320-328 WEST 36TH STREET

NEW YORK, NEW YORK

Remedial Investigation Report

NYC E-Designation Site Number: 14EH-N579M

NYC VCP Site Number: Pending

Prepared for:

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REMEDIAL INVESTIGATION REPORT

TABLE OF CONTENTS

FIGURES

TABLES

APPENDICES

- Appendix 1: Previous Environmental Reports
- Appendix 2: Field Notes
- Appendix 3: Soil Boring Logs
- Appendix 4: Laboratory Analytical Reports

LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FID	Flame Ionization Detector
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
NAPL	Non-aqueous Phase Liquid
NYC VCP	New York City Voluntary Cleanup Program
NYC DOHMH	New York City Department of Health and Mental Hygiene
NYC OER	New York City Office of Environmental Remediation
NYS DOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PID	Photoionization Detector
QEP	Qualified Environmental Professional
RI	Remedial Investigation
RIR	Remedial Investigation Report
SCO	Soil Cleanup Objective
SPEED	Searchable Property Environmental Electronic Database

CERTIFICATION

I, Paul P. Stewart, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the 320-328 West 36th Street Site, (NYC OER Site No. 14EH-N579M). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

Paul P. Stewart 2/25/15 [signature]

Qualified Environmental Professional Date Signature

EXECUTIVE SUMMARY

The Remedial Investigation Report (RIR) provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy pursuant to RCNY§ 43-1407(f). The remedial investigation (RI) described in this document is consistent with applicable guidance.

Site Location and Current Usage

The Site is located at 320-328 West 36th Street in the Midtown section in Manhattan, New York and is identified as Block 759 and Lot 55 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 8,145-square feet and is bounded by West 36th Street, followed by a 17-story building to the north, a 25-story hotel under construction to the south, a 5-story mixed use building to the east, and a 5-story mixed use building to the west. Currently, the Site is a vacant parking garage and contains a fully built out 2-story building with a full cellar. The cellar is currently 9'3" in depth.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of a 29-story hotel. Layout of the proposed site development is presented in Figure 2. The current zoning designation is commercial (C6-4M). The proposed use is consistent with existing zoning for the property.

The entire current building is projected to be demolished. The future cellar will be installed to a depth of 13'8' below grade and entails a full build out of the property. There will be an elevator pit installed 7'6" below the cellar. This will require an additional 4'5" of soil and bedrock to be excavated from the site and approximately 2,400 tons of materials excavated. The elevator pit will be installed into the groundwater table. The proposed cellar will contain utility rooms, administrative offices, lockers and a kitchen. The first floor at grade will contain the hotel lobby, restaurant, additional offices and an outdoor terrace on the south side of the property. Floors 2 through 26 will be utilized for hotel lodging and floors 27 through 29 will be mechanical rooms. The projected final height of the building will be 286'8".

Summary of Past Uses of Site and Areas of Concern

A Phase I Environmental Site Assessment was completed by Merritt Environmental Consulting Corp. on October 18th, 2012. The most recent use of the property was as a two story-

parking garage with a full cellar. The Phase I indicates that the property was utilized as stores and dwellings from 1911 through 1950 and as a parking garage from 1968 through 2012. The Phase I indicates two 550-gallon underground storage tanks (USTs) in the basement of the property that were abandoned in place with concrete slurry in March of 2001. In addition, the Phase I indicates an "E"-designation (E-137) for Window Wall Attenuation and Alternate Ventilation and Gasoline Storage Tanks* Testing Protocol.

The AOCs identified for this site include:

1. Location of 2 abandoned 550-gal USTs.

Summary of the Work Performed under the Remedial Investigation

AC 320 Hotel Partners LLC performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Performed a geophysical investigation to determine the precise locations of the abandoned USTs;
3. Installed eight soil borings across the entire project Site, and collected eleven soil samples for chemical analysis from the soil borings to evaluate soil quality;
4. Installed one temporary groundwater monitoring well at the Site and collected one groundwater sample for chemical analysis to evaluate groundwater quality;
5. Installed five soil vapor probes around Site and collected five samples for chemical analysis.

Summary of Environmental Findings

1. The property is approximately 36' above sea level.
2. Depth to groundwater ranges from approximately 6 to 8 feet below the cellar level at the Site or approximately 15 to 17 feet below street level.
3. Accurate depths to groundwater were not determined during this investigation. Therefore, groundwater flow was not determined beneath the Site.

4. Depth to bedrock ranges from 1 to 18 feet below cellar surface at the Site or approximately 10 to 27 feet below street level.

5. The stratigraphy of the site, from the surface down, consists of red-brown coarse to fine sand with some silt, clay and gravel overlying bedrock.

6. Soil/fill samples collected during the RI were compared to NYSDEC Part 375-6.8 Unrestricted Use (Track 1) and Restricted Residential Use (Track 2) Soil Cleanup Objectives (SCOs). Soil sampling results detected trace concentrations of acetone and several SVOCs soil samples. No VOCs, SVOCs or PCBs were detected above Unrestricted Use Track 1 SCOs. One pesticide, 4,4'-DDT was detected above its Track I with a concentration of 8.57 µg/kg. Metals including lead (max of 158 µg/kg), mercury (max of 0.775 µg/kg) and zinc (max of 261 µg/kg) were detected above the Unrestricted Use SCOs. No compounds were detected above Track 2 SCOs or below the shallow 0-2' depth. Overall, the soil chemistry is unremarkable and does not indicate any disposal of historic fill materials and no hotspots were identified.

7. Groundwater samples collected during the RI were compared to NYSDEC 6NYCRR Part 703.5 Groundwater Quality Standards (GQS). Groundwater results showed no SVOCs were detected at concentrations exceeding GQS. Three VOCs were detected above their corresponding groundwater standards including, benzene (1.4 µg/L), toluene (7.4 µg/L) and p &m xylenes (6.9 µg/L). Several metals were identified in groundwater and only cobalt (16 µg/L), magnesium (49,100 µg/L), manganese (3,020 µg/L) and sodium (240,000 µg/L) exceeded their corresponding GQSs.

8. Soil vapor samples collected during the RI were compared to the compounds listed in Table 3.1 Air Guideline Values Derived by the NYSDOH located in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion. All of the detected compounds were below their respective guidance values. Soil vapor samples showed moderate levels of petroleum related and trace levels of chlorinated VOCs in all soil vapor samples. Overall, the highest concentrations were detected for Tetrahydrofuran at 460 ug/m^3. Petroleum related BTEX compounds were detected at maximum concentrations of 789 ug/m^3. Chlorinated VOC, tetrachloroethene was detected in one of the samples at a concentration of 3.2 µg/m^3. Carbon tetrachloride, trichlorethene and 1,1,1-trichloroethane were not detected in any soil vapor samples. The

detected concentration of tetrachloroethene was below the monitoring level range established by NYSDOH.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

AC 320 Hotel Partners LLC has enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate an 8,145-square foot site located at 320-328 West 36th Street in the Garment District of Manhattan, New York. Commercial use is proposed for the property. The RI work was performed between December 19th, 2014 and January 6th, 2015. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 Site Location and Current Usage

The Site is located at 320-328 West 36th Street in the Midtown section in Manhattan, New York and is identified as Block 759 and Lot 55 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 8,145-square feet and is bounded by West 36th Street, followed by a 17-story building to the north, a 25-story hotel under construction to the south, a 5-story mixed use building to the east, and a 5-story mixed use building to the west. Currently, the Site is a vacant parking garage and contains a fully built out 2-story building with a full cellar. The cellar is currently 9'3" in depth.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of a 29-story hotel. Layout of the proposed site development is presented in Figure 2. The current zoning designation is commercial (C6-4M). The proposed use is consistent with existing zoning for the property.

The entire current building is projected to be demolished. The future cellar will be installed to a depth of 13'8' below grade and entails a full build out of the property. There will be an elevator pit installed 7'6" below the cellar. This will require an additional 4'5" of soil and bedrock to be excavated from the site and approximately 2,400 tons of materials excavated. The elevator pit will be installed into the groundwater table. The proposed cellar will contain utility

rooms, administrative offices, lockers and a kitchen. The first floor at grade will contain the hotel lobby, restaurant, additional offices and an outdoor terrace on the south side of the property. Floors 2 through 26 will be utilized for hotel lodging and floors 27 through 29 will be mechanical rooms. The projected final height of the building will be 286'8".

1.3 Description of Surrounding Property

There are no nearby sensitive receptors such as schools, hospitals, and day care facilities within a 250 to 500-foot radius.

Figure 3 shows the surrounding land usage.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

A Phase I Environmental Site Assessment was completed by Merritt Environmental Consulting Corp. on October 18th, 2012. The most recent use of the property was as a two story-parking garage with a full cellar. The Phase I indicates that the property was utilized as stores and dwellings from 1911 through 1950 and as a parking garage from 1968 through 2012. The Phase I indicates two 550-gallon underground storage tanks (USTs) in the basement of the property that were abandoned in place with concrete slurry in March of 2001. In addition, the Phase I indicates an "E"-designation (E-137) for Window Wall Attenuation and Alternate Ventilation and Gasoline Storage Tanks* Testing Protocol.

2.2 Previous Investigations

A Geotechnical Evaluation was completed by URS on February 17th, 2014. The evaluation included the installation of four test borings to identify soil, rock and groundwater conditions at the property. The evaluation concluded shallow bedrock is present beneath the property ranging from 1' below cellar level on the eastern side of the property to 18' below cellar on the southwestern side of the property. The report estimated that groundwater is likely to be located 14.5' below ground surface. No samples were collected for analysis.

2.3 Site Inspection

A site inspection was conducted on March 4th, 2014 by Theresa Burkard. The site was an active parking garage and there was little access to the cellar due to cars. The location of the abandoned tanks was not determined at that time.

2.4 Areas of Concern

The AOCs identified for this site include:

1. Location of 2 abandoned 550-gal USTs.

The Phase 1 Report and Geotechnical Evaluation are presented in Appendix 1.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Paul P. Stewart.

3.2 Health and Safety

All work described in this RIR was performed in full compliance with applicable laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements.

3.3 Materials Management

All material encountered during the RI was managed in accordance with applicable laws and regulations.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

AC 320 Hotel Partners LLC performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Performed a geophysical investigation to determine the precise locations of the abandoned USTs;
3. Installed eight soil borings across the entire project Site, and collected eleven soil samples for chemical analysis from the soil borings to evaluate soil quality;
4. Installed one temporary groundwater monitoring well at the Site and collected one groundwater sample for chemical analysis to evaluate groundwater quality;
5. Installed five soil vapor probes around Site and collected five samples for chemical analysis.

4.1 Geophysical Investigation

The geophysical survey was completed on December 29th, 2014. The survey encompassed all accessible areas of the cellar. Field notes from the survey are contained in Appendix 2.

The survey was performed utilizing an SIR-2000 Ground-Penetrating Radar (GPR) unit at a range to allow for the identification of anomalies to a depth of 10 feet below ground surface. At the time of the survey, reflections indicative of two 550-gal USTs were observed along the south side of the property. The anomalies were observed to be approximately 2-3' below the cellar floor and 10.5' by 10.5' wide. The locations of the suspected USTs are indicated in Figure 5.

GPR is primarily used as a preliminary survey of a property for the development of subsurface information prior to a formal site assessment. Surface cover or obstructions, subsurface soil types and buried debris can mask or conceal the presence and precise locations of underground structures or even suggest their presence when none exist. The presence, absence or precise locations of underground structures indicated during a GPR survey should be confirmed by excavation, subsurface sampling or other invasive procedures.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

Eight soil borings were installed around the site at the locations indicated in Figure 5. All samples were installed in the basement of the existing building. Each boring was installed utilizing Geoprobe-style portable hydraulic equipment in combinations with four-foot macro core soil samplers containing dedicated acetate liners. All down hole drilling equipment was decontaminated between sampling events to minimize the possibility of cross contamination.

Soil was continuously sampled in each soil boring from ground surface to a depth of 9 feet below ground surface (bgs) or the depth that bedrock was encountered. All soil samples were screened for volatile organic compounds (VOCs) utilizing a Photovac 2020 Photo Ionization Detector (PID) and visually examined for lithology and the presence of contamination. None of the soil borings exhibited elevated PID readings or staining.

SB-1 was installed to a depth of 6' bgs at which depth bedrock was encountered. A soil sample was collected from the 0-2' depth. Soils were saturated at 5.5' bgs and there was not enough soil recovery to sample deeper. SB-2 was installed to a final depth of 9' bgs. Groundwater was encountered at approximately 8' bgs. Samples were collected from the shallow soils 0-2' and the groundwater interface labeled 6-8'. SB-3 was installed to a final depth of 9' bgs at which depth refusal was encountered. Groundwater was encountered at approximately 8' bgs. Samples were collected from the shallow soils 0-2' and the groundwater interface 6-8'. SB-4 was installed to a depth of 7' bgs at which depth bedrock was encountered. Soils were saturated at 6.2' bgs. Samples were collected from the 0-2' depth and the groundwater interface 4-6'. SB-5 was installed to a depth of 3' where bedrock was encountered. A sample was collected from 0-2'. SB-6 encountered bedrock at 3' and a sample was collected from 0-2'. SB-7 encountered bedrock at 2' and a sample was collected from 0-2'. Lastly SB-8 encountered bedrock at 1' bgs and a sample was collected from 0-1'.

Eleven soil samples were collected from the site and placed in appropriate laboratory issued containers. Samples were submitted to York Analytical Laboratories, Inc. (NYSDOH #10854). Soil samples were analyzed for VOCs in accordance with EPA method 8260, SVOCs in accordance with EPA method 8270, TAL metals in accordance with EPA methods 6010 and 7471 and lastly PCBs and Pesticides in accordance with EPA methods 8081 and 8082.

Boring logs were prepared and are attached in Appendix 3. A map showing the location of soil borings and monitor wells is shown in Figure 4.

Groundwater Monitoring Well Construction

Groundwater quality was determined during this investigation through the installation and sampling of one temporary monitoring well. The sample was collected utilizing a two foot steel groundwater sampler in combination with 4' hollow steel rods. The location of the groundwater sampling point is depicted in Figure 4.

Survey

Due to the temporary construction of the wells and limited groundwater recovery a formal survey of the sampling point was not conducted.

Water Level Measurement

Ground water was generally encountered between 6 and 8 feet below the basement floor. Due to the temporary construction of the monitoring wells and limited groundwater recovery an accurate measurement of depth to water was not determined.

4.3 Sample Collection and Chemical Analysis

Sampling performed as part of the field investigation was conducted for all Areas of Concern and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil, groundwater and soil vapor have been sampled and evaluated in the RIR. Discrete (grab) samples have been used for final delineation of the nature and extent of contamination and to determine the impact of contaminants on public health and the environment. The sampling performed and presented in this RIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy.

Soil Sampling

Eleven soil samples were collected for chemical analysis during this RI. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Tables 1 through 4. Figure 4 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

All equipment was properly decontaminated between each sampling event and after each use to prevent the contamination of samples. Care was taken to store and transport the equipment away from cleaning solvents and gasoline. Cleaned equipment was handled as little as possible

prior to use and disposable gloves were worn during the handling. Sampling field equipment was field decontaminated according to the following steps:

- Washed with solution of non-phosphate detergent in tap water;
- Rinsed with tap water;
- Rinsed with distilled/de-ionized water;
- Rinsed with methanol;
- Rinsed with distilled/de-ionized water;
- Air dry.

A decontamination area was set up in a non-contaminated area of the site, away from the work area. A polyethylene tarp was placed on the ground and the cleaning/rinsing solutions were stored in laboratory wash bottles to reduce waste generation. Scrub brushes were used to remove residue from the equipment. All rinse solutions were collected into one-gallon polyethylene containers and transported to ACT's Port Washington office for disposal as manifested laboratory waste.

Groundwater Sampling

One groundwater sample was collected for chemical analysis during this RI. Groundwater sample collection data is reported in Tables 5 through 7. Sampling logs with information on purging and sampling of groundwater monitor wells is included in Appendix 2. Groundwater at the property was found to be extremely silty and therefore there was not enough recovery from MW-2 to analyze for PCBs and Pesticides. Figure 4 shows the location of groundwater sampling. Laboratories and analytical methods are shown below.

Soil Vapor Sampling

5 soil vapor probes were installed and 5 soil vapor samples were collected for chemical analysis during this RI. Soil vapor sampling locations are shown in Figure 4. Soil vapor sample collection data is reported in Table 8. Soil vapor sampling logs are included in Appendix 2. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.*

Chemical Analysis

Chemical analytical work presented in this RIR has been performed in the following manner:

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Paul P. Stewart.
Chemical Analytical Laboratory	The chemical analytical laboratory used in the RI is NYS ELAP certified York Analytical Laboratories, Inc. (NYSDOH #10854).
Chemical Analytical Methods	Soil analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Groundwater analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Soil vapor analytical methods: • VOCs by TO-15 VOC parameters..

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Tables 1 through 8, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix 3.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

The topography of the site is generally level. The nearest surface water body is the Hudson River, located approximately 0.7 miles to the west. The stratigraphy of the site, from the surface down, consists of red-brown coarse to fine sand with some silt, clay and gravel overlying bedrock. Bedrock ranges at the property from 2'8" bgs on the northeastern side of the property to 1' bgs on the eastern side of the property. The bedrock ranges from 6' bgs on the southeastern side of the property to 18' bgs on the southwestern side of the property.

Hydrogeology

Groundwater is expected to be perched on top of the bedrock and traveling through fractures. Ground water was generally encountered between 6 and 8 feet below the basement floor or approximately 15 to 17 feet below street level. An accurate depth to groundwater was not determined during this investigation.

5.2 Soil Chemistry

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in Tables 1 through 4. Figure 5 shows the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Track 1 Soil Cleanup Objectives.

It can be seen from table 1 that no VOC's were detected above Track 1 Unrestricted Use SCOs in any of the soil samples. Acetone was the only VOC detected in all of the samples at trace concentrations and is commonly utilized as a laboratory solvent. Its presence in the samples is a possible artifact from laboratory equipment.

Table 2 shows the SVOCs detected in the soil samples obtained at the property. No SVOCs were detected above Track 1 SCOs. The most prevalent compound was bis(2-ethylhexyl)phthalate detected at trace concentrations in samples SB-4 (0-2), SB-5 (0-2), SB-6 (0-2), SB-7 (0-2) and SB-8 (0-2) with a maximum concentration of 212 µg/kg. The highest concentration of a compound was pyrene in SB-6 (0-2) with a concentration of 417 µg/kg, which is still well below it's Track 1 SCO. The compounds detected are commonly found in historic fill

materials. Burning petroleum products such as coal, tar, oil and gas can create SVOCs as a byproduct.

Table 3 summarizes the concentrations of PCBs and Pesticides detected in the soil samples. SB-6 (0-2) and SB-7 (0-2) were the only samples to contain detections of Pesticides. 4,4'-DDT was detected above its Track 1 SCO in SB-6 (0-2) and SB-7 (0-2) with a maximum concentration of 8.57 µg/kg. No other pesticides were detected above Track 1 SCOs. No PCBs were detected Track 1 SCOs. Pesticides are common compounds found at commercial properties and their presence at the property could be due to the historical usage of the site and surrounding area.

Concentrations of TAL metals in the soils at the site are summarized in Table 4. A total of 3 metals were detected in the soil borings above Track 1 SCOs. Lead was detected above its SCO in SB-6 (0-2) and SB-7 (0-2) with a maximum concentration of 158 µg/kg. Mercury was detected above its Track 1 SCO in SB-7 (0-2) with a concentration of 0.775 µg/kg. The last metal detected above its SCO was Zinc in SB-7 (0-2) with a concentration of 261 µg/kg. All remaining detections of metals were below soil cleanup objectives. Metals are commonly found at higher concentrations in urban areas due to the presence of fill materials. The highest concentrations of metals were detected in the shallow soils, indicating that groundwater is unlikely the source of contamination.

5.3 Groundwater Chemistry

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on groundwater samples is included in Table 5 through 7.

It can be seen from Table 5 that a total of 3 VOCs were detected above their respective groundwater quality standards (GQSs). Benzene was found to exceed its GQS of 0.7 µg/L with a concentration of 1.4 µg/L. Toluene exceeded its GQS of 5 µg/L with a concentration of 7.4 µg/L. Lastly, p &m xylenes were detected at a combined concentration of 6.9 µg/L, which exceeds the GQS of 5 µg/L. The other compounds detected were well below the GQSs and would be commonly found in the industrial and urban area that the site is located.

Table 6 shows the concentrations of semi-volatile organic compounds detected in the groundwater samples obtained at the site. No SVOC's were detected above their corresponding GQSs. Lastly, Table 7 shows that there were exceedences of four metals in dissolved metal concentrations in the groundwater sample. Cobalt was detected at a concentration of 16 µg/L,

which is above the GQS of 5 µg/L. Magnesium was detected above it's GQS of 35,000 µg/L with a concentration of 49,100 µg/L. Manganese was detected at a concentration of 3,020 µg/L, which exceeds the GQS of 300 µg/L. Lastly, sodium was detected at a concentration of 240,000 µg/L, which is above the GQS of 20,000 µg/L.

Figure 5 shows the location and posts the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards.

5.4 Soil Vapor Chemistry

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor samples is included in Table 8.

As shown in Table 8, multiple VOCs were detected in soil vapor. SV-1 through SV-5 did not contain concentrations of VOCs above NYSDOH monitoring levels. Carbon tetrachloride, trichloroethene (TCE), and 1,1,1-tetrachloroethane were not detected in any soil vapor samples. Chlorinated VOC, tetrachlorethene (PCE) was detected in one sample (SV-5) with a concentration of 3.2 µg/m^3. The detected concentration of tetrachloroethene was below the monitoring level range established by NYSDOH. Overall, the highest concentrations of compounds were detected for tetrahydrofuran at maximum of 460 ug/m^3. Petroleum related BTEX compounds were detected at maximum concentrations of 789 ug/m^3 in SV-1. None of the above compounds were detected above standards in soil or groundwater beneath the site. All of the compounds detected are commonly found in industrial solvents and petroleum products and their presence at the property is likely due to the historical usage of the surrounding area.

5.5 Prior Activity

Based on an evaluation of the data and information from the RIR, disposal of significant amounts of hazardous waste is not suspected at this site.

5.6 Impediments to Remedial Action

There are no known impediments to remedial action at this property.

TABLES

Table 1

Volatile Organic Compounds in Soil (ug/kg-dry)
EPA Method 8260
320-328 West 36th Street
New York, NY

ACT Project No.: 7648-NYNY

Sample ID Sample Date	UUSCO [1]	Standard RRSCO [2]	CSCO [3]	SB-1 (0-2') 1/6/15	SB-2 (0-2') 1/5/15	SB-2 (6-8') 1/5/15	SB-3 (0-2') 1/6/15	SB-3 (6-8') 1/6/15	SB-4 (0-2') 12/29/14
1,1,1,2-Tetrachloroethane	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
1,1,1-Trichloroethane	680	100,000	500,000	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
1,1,2,2-Tetrachloroethane	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
1,1,2-Trichloroethane	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
1,1-Dichloroethane	270	26,000	240,000	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
1,1-Dichloroethene	330	100,000	500,000	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
1,2,4-Trichlorobenzene	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
1,2,4-Trimethylbenzene	4,700	5,200	19,000	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
1,2-Dibromo-3-chloropropane	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
1,2-Dibromoethane	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
1,2-Dichlorobenzene	1,100	100,000	500,000	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
1,2-Dichloroethane	20	3,100	30,000	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
1,2-Dichloropropane	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
1,3,5-Trimethylbenzene	4,700	5,200	19,000	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
1,3-Dichlorobenzene	2,400	49,000	280,000	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
1,4-Dichlorobenzene	1,800	13,000	130,000	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
1,4-Dioxane	980	1,300	13,000	<57	<52	<150	<110	<79	<84
2-Butanone	120	100,000	500,000	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
2-Hexanone	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
4-Methyl-2-pentanone	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
Acetone	50	100,000	500,000	**11**	**12**	**22**	**11**	**11**	**9.1**
Acrolein	NS	NS	NS	<2.9	<2.6	<7.6	<2.6	<4.0	<2.1
Acrylonitrile	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
Benzene	60	4,800	44,000	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
Bromodichloromethane	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
Bromoform	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
Bromomethane	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
Carbon disulfide	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
Carbon tetrachloride	760	2,400	22,000	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
Chlorobenzene	1,100	100,000	500,000	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
Chloroethane	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
Chloroform	370	49,000	350,000	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
Chloromethane	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
cis-1,2-Dichloroethene	250	100,000	500,000	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
cis-1,3-Dichloropropene	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
Dibromochloromethane	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
Dibromomethane	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
Dichlorodifluoromethane	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
Ethylbenzene	1,000	41,000	390,000	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
Hexachlorobutadine	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
Isopropylbenzene	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
Methyl acetate	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
Methyl tert-butyl ether	930	100,000	500,000	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
Methylene chloride	50	100,000	500,000	<2.9	<2.6	<7.6	<5.3	<4.0	<4.2
n-Butylbenzene	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
n-Propylbenzene	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
o-Xylene	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
p- & m- Xylenes	NS	NS	NS	<5.7	<5.2	<7.6	<5.3	<4.0	<2.1
p-Isopropyltoluene	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
sec-Butylbenzene	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
Styrene	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
tert-Butyl alcohol (TBA)	NS	NS	NS	<5.7	<5.2	<7.6	<5.3	<4.0	<4.2
tert-Butylbenzene	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
Tetrachloroethene	1,300	19,000	150,000	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
Toluene	700	100,000	500,000	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
trans-1,2-Dichloroethene	100,000	100,000	500,000	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
trans-1,3-Dichloropropene	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
Trichloroethene	470	21,000	200,000	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
Trichlorofluoromethane	NS	NS	NS	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
Vinyl chloride	20	900	13,000	<2.9	<2.6	<3.8	<2.6	<2.0	<2.1
Xylenes (Total)	260	100,000	500,000	<8.6	<7.8	<11	<7.9	<5.9	<6.3

[1] Unrestricted Use Soil Cleanup Objectives, Table 375-6.8(a), 6 NYCRR 375, NYSDEC 2006
[2] Restricted Residential Soil Cleanup Objectives, Table 375-6.8(b), 6 NYCRR 375, NYSDEC 2006
[3] Commercial Soil Cleanup Objectives, Table 375-6.8(b), 6 NYCRR 375, NYSDEC 2006
Bolded values signify detection above method detection limit
Highlighted values signify exceedance of regulatory standard
NS = No Standard

Table 1 continued.

Volatile Organic Compounds in Soil (ug/kg-dry)
EPA Method 8260
320-328 West 36th Street
New York, NY

ACT Project No.: 7648-NYNY

Sample ID Sample Date	UUSCO [1]	Standard RRSCO [2]	CSCO [3]	SB-4 (4-6') 12/29/14	SB-5 (0-2') 1/5/15	SB-6 (0-2') 12/29/14	SB-7 (0-2') 1/5/15	SB-8 (0-1') 1/5/15
1,1,1,2-Tetrachloroethane	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
1,1,1-Trichloroethane	680	100,000	500,000	<2.1	<2.2	<2.2	<2.7	<3.4
1,1,2,2-Tetrachloroethane	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
1,1,2-Trichloroethane	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
1,1-Dichloroethane	270	26,000	240,000	<2.1	<2.2	<2.2	<2.7	<3.4
1,1-Dichloroethene	330	100,000	500,000	<2.1	<2.2	<2.2	<2.7	<3.4
1,2,4-Trichlorobenzene	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
1,2,4-Trimethylbenzene	4,700	5,200	19,000	<2.1	<2.2	<2.2	<2.7	<3.4
1,2-Dibromo-3-chloropropane	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
1,2-Dibromoethane	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
1,2-Dichlorobenzene	1,100	100,000	500,000	<2.1	<2.2	<2.2	<2.7	<3.4
1,2-Dichloroethane	20	3,100	30,000	<2.1	<2.2	<2.2	<2.7	<3.4
1,2-Dichloropropane	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
1,3,5-Trimethylbenzene	4,700	5,200	19,000	<2.1	<2.2	<2.2	<2.7	<3.4
1,3-Dichlorobenzene	2,400	49,000	280,000	<2.1	<2.2	<2.2	<2.7	<3.4
1,4-Dichlorobenzene	1,800	13,000	130,000	<2.1	<2.2	<2.2	<2.7	<3.4
1,4-Dioxane	980	1,300	13,000	<85	<89	<90	<110	<140
2-Butanone	120	100,000	500,000	<2.1	<2.2	<2.2	<2.7	<3.4
2-Hexanone	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
4-Methyl-2-pentanone	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
Acetone	50	100,000	500,000	**7.7**	**7.7**	**30**	**16**	**22**
Acrolein	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<6.9
Acrylonitrile	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
Benzene	60	4,800	44,000	<2.1	<2.2	<2.2	<2.7	<3.4
Bromodichloromethane	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
Bromoform	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
Bromomethane	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
Carbon disulfide	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
Carbon tetrachloride	760	2,400	22,000	<2.1	<2.2	<2.2	<2.7	<3.4
Chlorobenzene	1,100	100,000	500,000	<2.1	<2.2	<2.2	<2.7	<3.4
Chloroethane	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
Chloroform	370	49,000	350,000	<2.1	<2.2	<2.2	<2.7	<3.4
Chloromethane	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
cis-1,2-Dichloroethene	250	100,000	500,000	<2.1	<2.2	<2.2	<2.7	<3.4
cis-1,3-Dichloropropene	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
Dibromochloromethane	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
Dibromomethane	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
Dichlorodifluoromethane	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
Ethylbenzene	1,000	41,000	390,000	<2.1	<2.2	<2.2	<2.7	<3.4
Hexachlorobutadine	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
Isopropylbenzene	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
Methyl acetate	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
Methyl tert-butyl ether	930	100,000	500,000	<2.1	<2.2	<2.2	<2.7	<3.4
Methylene chloride	50	100,000	500,000	<4.2	<4.5	<4.5	<2.7	<6.9
n-Butylbenzene	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
n-Propylbenzene	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
o-Xylene	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
p- & m- Xylenes	NS	NS	NS	<2.1	<2.2	<2.2	<5.3	<6.9
p-Isopropyltoluene	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
sec-Butylbenzene	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
Styrene	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
tert-Butyl alcohol (TBA)	NS	NS	NS	<4.2	<4.5	<4.5	<5.3	<6.9
tert-Butylbenzene	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
Tetrachloroethene	1,300	19,000	150,000	<2.1	<2.2	<2.2	<2.7	<3.4
Toluene	700	100,000	500,000	<2.1	<2.2	<2.2	<2.7	<3.4
trans-1,2-Dichloroethene	100,000	100,000	500,000	<2.1	<2.2	<2.2	<2.7	<3.4
trans-1,3-Dichloropropene	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
Trichloroethene	470	21,000	200,000	<2.1	<2.2	<2.2	<2.7	<3.4
Trichlorofluoromethane	NS	NS	NS	<2.1	<2.2	<2.2	<2.7	<3.4
Vinyl chloride	20	900	13,000	<2.1	<2.2	<2.2	<2.7	<3.4
Xylenes (Total)	260	100,000	500,000	<6.4	<6.7	<6.7	<7.8	<10

[1] Unrestricted Use Soil Cleanup Objectives, Table 375-6.8(a), 6 NYCRR 375, NYSDEC 2006
[2] Restricted Residential Soil Cleanup Objectives, Table 375-6.8(b), 6 NYCRR 375, NYSDEC 2006
[3] Commercial Soil Cleanup Objectives, Table 375-6.8(b), 6 NYCRR 375, NYSDEC 2006
Bolded values signify detection above method detection limit
Highlighted values signify exceedance of regulatory standard
NS = No Standard

Table 2

Semi Volatile Organic Compounds in Soil (ug/kg-dry)
EPA Method 8270
320-328 West 36th Street
New York, NY

ACT Project No.: 7648-NYNY

Sample ID Sample Date	UUSCO [1]	Standard RRSCO [2]	CSCO [3]	SB-1 (0-2') 1/6/15	SB-2 (0-2') 1/5/15	SB-2 (6-8') 1/5/15	SB-3 (0-2') 1/6/15	SB-3 (6-8') 1/6/15	SB-4 (0-2') 12/29/14
Acenaphthene	20,000	100,000	500,000	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Acenaphthylene	100,000	100,000	500,000	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Acetophenone	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Anthracene	100,000	100,000	500,000	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Atrazine	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Benzaldehyde	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Benzidine	NS	NS	NS	<89.0	<89.0	<98.5	<90.3	<93.2	<90.7
Benzo(a)anthracene	1,000	1,000	5,600	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Benzo(a)pyrene	1,000	1,000	1,000	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Benzo(b)fluoranthene	1,000	1,000	5,600	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Benzo(g,h,i)perylene	100,000	100,000	500,000	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Benzoic acid	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Benzo(k)fluoranthene	800	3,900	56,000	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Benzyl butyl phthalate	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
1,1'-Biphenyl	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
4-Bromophenyl-phenylether	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Caprolactam	NS	NS	NS	<44.4	<43.9	<49.2	<45.1	<46.6	<45.3
Carbazole	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Bis(2-chloroethoxy)methane	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Bis(2-chloroethyl)ether	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Bis(2-chloroisopropyl)ether	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
2-Chloronaphthalene	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
2-Chlorophenol	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
4-Chlorophenyl phenyl ether	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Chrysene	1,000	3,900	56,000	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Dibenzo(a,h)anthracene	330	330	560	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Dibenzofuran	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Di-n-butyl phthalate	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
1,2-Dichlorobenzene	100,000	100,000	500,000	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
1,3-Dichlorobenzene	17,000	49,000	280,000	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
1,4-Dichlorobenzene	980	13,000	130,000	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
3,3´-Dichlorobenzidine	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
2,4-Dichlorophenol	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Diethyl phthalate	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
2,4-Dimethylphenol	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Dimethyl phthalate	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
4,6-Dinitro-2-methylphenol	NS	NS	NS	<44.4	<43.9	<49.2	<45.1	<46.6	<45.3
2,4-Dinitrophenol	NS	NS	NS	<44.4	<43.9	<49.2	<45.1	<46.6	<45.3
2,4-Dinitrotoluene	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
2,6-Dinitrotoluene	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Di-n-octyl phthalate	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
1,2-Diphenylhydrazine	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Bis(2-ethylhexyl)phthalate	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	**64.4**
Fluoranthene	100,000	100,000	500,000	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Fluorene	30,000	100,000	500,000	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Hexachlorobenzene	33	12	60	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Hexachlorobutadiene	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Hexachlorocyclopentadiene	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Hexachloroethane	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Indeno(1,2,3-c,d)pyrene	500	500	5,600	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Isophorone	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
2-Methylnaphthalene	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
2-Methylphenol	330	100,000	500,000	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
3- & 4-Methylphenols	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Naphthalene	12,000	100,000	500,000	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
4-Nitroaniline	NS	NS	NS	<44.4	<43.9	<49.2	<45.1	<46.6	<45.3
2-Nitroaniline	NS	NS	NS	<44.4	<43.9	<49.2	<45.1	<46.6	<45.3
3-Nitroaniline	NS	NS	NS	<44.4	<43.9	<49.2	<45.1	<46.6	<45.3
Nitrobenzene	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
2-Nitrophenol	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
4-Nitrophenol	NS	NS	NS	<44.4	<43.9	<49.2	<45.1	<46.6	<45.3
N-Nitrosodi-n-propylamine	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
N-Nitrosodiumethylamine	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
N-Nitrosodiphenylamine	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Pentachlorophenol	800	6,700	6,700	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Phenanthrene	100,000	100,000	500,000	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Phenol	330	100,000	500,000	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
Pyrene	100,000	100,000	500,000	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
1,2,4-Tricholobenzene	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
2,4,6-Trichlorophenol	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7
2,4,5-Trichlorophenol	NS	NS	NS	<22.3	<22.0	<24.7	<22.6	<23.3	<22.7

[1] Unrestricted Use Soil Cleanup Objectives, Table 375-6.8(a), 6 NYCRR 375, NYSDEC 2006
[2] Restricted Residential Soil Cleanup Objectives, Table 375-6.8(b), 6 NYCRR 375, NYSDEC 2006
[3] Commercial Soil Cleanup Objectives, Table 375-6.8(b), 6 NYCRR 375, NYSDEC 2006
Bolded values signify detection above method detection limit
Highlighted values signify exceedance of regulatory guidance
NS = No Standard

Table 2 continued.

Semi Volatile Organic Compounds in Soil (ug/kg-dry)
EPA Method 8270
320-328 West 36th Street
New York, NY

ACT Project No.: 7648-NYNY

Sample ID Sample Date	UUSCO [1]	Standard RRSCO [2]	CSCO [3]	SB-4 (4-6') 12/29/14	SB-5 (0-2') 1/5/15	SB-6 (0-2') 12/29/14	SB-7 (0-2') 1/5/15	SB-8 (0-1') 1/5/15
Acenaphthene	20,000	100,000	500,000	<22.4	<22.0	<45.5	<22.9	<22.4
Acenaphthylene	100,000	100,000	500,000	<22.4	<22.0	<45.5	<22.9	<22.4
Acetophenone	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
Anthracene	100,000	100,000	500,000	<22.4	<22.0	<45.5	**26.3**	<22.4
Atrazine	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
Benzaldehyde	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
Benzidine	NS	NS	NS	<89.7	<87.8	<182	<91.4	<89.4
Benzo(a)anthracene	1,000	1,000	5,600	<22.4	**36.8**	**266**	**140**	**65.3**
Benzo(a)pyrene	1,000	1,000	1,000	<22.4	<22.0	**173**	**96.7**	**45.0**
Benzo(b)fluoranthene	1,000	1,000	5,600	<22.4	<22.0	**155**	**68.3**	**30.7**
Benzo(g,h,i)perylene	100,000	100,000	500,000	<22.4	<22.0	**104**	**51.1**	**28.2**
Benzoic acid	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
Benzo(k)fluoranthene	800	3,900	56,000	<22.4	<22.0	**165**	**98.2**	**33.9**
Benzyl butyl phthalate	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
1,1'-Biphenyl	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
4-Bromophenyl-phenylether	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
Caprolactam	NS	NS	NS	<44.8	<43.8	<90.7	<45.7	<44.6
Carbazole	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
Bis(2-chloroethoxy)methane	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
Bis(2-chloroethyl)ether	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
Bis(2-chloroisopropyl)ether	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
2-Chloronaphthalene	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
2-Chlorophenol	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
4-Chlorophenyl phenyl ether	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
Chrysene	1,000	3,900	56,000	<22.4	**42.8**	**284**	**142**	**73.9**
Dibenzo(a,h)anthracene	330	330	560	<22.4	<22.0	**60.2**	**32.1**	<22.4
Dibenzofuran	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
Di-n-butyl phthalate	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
1,2-Dichlorobenzene	100,000	100,000	500,000	<22.4	<22.0	<45.5	<22.9	<22.4
1,3-Dichlorobenzene	17,000	49,000	280,000	<22.4	<22.0	<45.5	<22.9	<22.4
1,4-Dichlorobenzene	980	13,000	130,000	<22.4	<22.0	<45.5	<22.9	<22.4
3,3´-Dichlorobenzidine	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
2,4-Dichlorophenol	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
Diethyl phthalate	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
2,4-Dimethylphenol	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
Dimethyl phthalate	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
4,6-Dinitro-2-methylphenol	NS	NS	NS	<44.8	<43.8	<90.7	<45.7	<44.6
2,4-Dinitrophenol	NS	NS	NS	<44.8	<43.8	<90.7	<45.7	<44.6
2,4-Dinitrotoluene	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
2,6-Dinitrotoluene	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
Di-n-octyl phthalate	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
1,2-Diphenylhydrazine	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
Bis(2-ethylhexyl)phthalate	NS	NS	NS	<22.4	**37.2**	**129**	**60.6**	**212**
Fluoranthene	100,000	100,000	500,000	<22.4	**36.1**	**334**	**208**	**72.4**
Fluorene	30,000	100,000	500,000	<22.4	<22.0	<45.5	<22.9	<22.4
Hexachlorobenzene	33	12	60	<22.4	<22.0	<45.5	<22.9	<22.4
Hexachlorobutadiene	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
Hexachlorocyclopentadiene	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
Hexachloroethane	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
Indeno(1,2,3-c,d)pyrene	500	500	5,600	<22.4	<22.0	**71.1**	**48.2**	**25.7**
Isophorone	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
2-Methylnaphthalene	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
2-Methylphenol	330	100,000	500,000	<22.4	<22.0	<45.5	<22.9	<22.4
3- & 4-Methylphenols	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
Naphthalene	12,000	100,000	500,000	<22.4	<22.0	<45.5	<22.9	<22.4
4-Nitroaniline	NS	NS	NS	<44.8	<43.8	<90.7	<45.7	<44.6
2-Nitroaniline	NS	NS	NS	<44.8	<43.8	<90.7	<45.7	<44.6
3-Nitroaniline	NS	NS	NS	<44.8	<43.8	<90.7	<45.7	<44.6
Nitrobenzene	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
2-Nitrophenol	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
4-Nitrophenol	NS	NS	NS	<44.8	<43.8	<90.7	<45.7	<44.6
N-Nitrosodi-n-propylamine	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
N-Nitrosodiumethylamine	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
N-Nitrosodiphenylamine	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
Pentachlorophenol	800	6,700	6,700	<22.4	<22.0	<45.5	<22.9	<22.4
Phenanthrene	100,000	100,000	500,000	<22.4	<22.0	**204**	**132**	**47.8**
Phenol	330	100,000	500,000	<22.4	<22.0	<45.5	<22.9	<22.4
Pyrene	100,000	100,000	500,000	<22.4	**57.1**	**417**	**226**	**128**
1,2,4-Tricholobenzene	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
2,4,6-Trichlorophenol	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4
2,4,5-Trichlorophenol	NS	NS	NS	<22.4	<22.0	<45.5	<22.9	<22.4

[1] Unrestricted Use Soil Cleanup Objectives, Table 375-6.8(a), 6 NYCRR 375, NYSDEC 2006
[2] Restricted Residential Soil Cleanup Objectives, Table 375-6.8(b), 6 NYCRR 375, NYSDEC 2006
[3] Commercial Soil Cleanup Objectives, Table 375-6.8(b), 6 NYCRR 375, NYSDEC 2006
Bolded values signify detection above method detection limit
Highlighted values signify exceedance of regulatory guidance
NS = No Standard

Table 3

PCBs and Pesticides in Soil (ug/kg-dry)
EPA Method 8081/8082
320-328 West 36th Street
New York, NY

ACT Project No.: 7648-NYNY

Sample ID Sample Date	UUSCO [1]	Standard RRSCO [2]	CSCO [3]	SB-1 (0-2') 1/6/15	SB-2 (0-2') 1/5/15	SB-2 (6-8') 1/5/15	SB-3 (0-2') 1/6/15	SB-3 (6-8') 1/6/15	SB-4 (0-2') 12/29/14
Toxaphene	NS	NS	NS	<89.0	<87.8	<98.5	<90.3	<93.2	<90.7
Methoxychlor	NS	NS	NS	<8.79	<8.68	<9.73	<8.92	<9.21	<8.96
Heptachlor epoxide	NS	NS	NS	<1.76	<1.74	<1.95	<1.78	<1.84	<1.79
Heptachlor	42	420	15,000	<1.76	<1.74	<1.95	<1.78	<1.84	<1.79
gamma-BHC	100	280	9,200	<1.76	<1.74	<1.95	<1.78	<1.84	<1.79
Endrin ketone	NS	NS	NS	<1.76	<1.74	<1.95	<1.78	<1.84	<1.79
Endrin aldehyde	NS	NS	NS	<1.76	<1.74	<1.95	<1.78	<1.84	<1.79
Endrin	14	2,200	89,000	<1.76	<1.74	<1.95	<1.78	<1.84	<1.79
Endosulfan sulfate	2,400	4,800	200,000	<1.76	<1.74	<1.95	<1.78	<1.84	<1.79
Endosulfan II	2,400	4,800	200,000	<1.76	<1.74	<1.95	<1.78	<1.84	<1.79
Endosulfan I	2,400	4,800	200,000	<1.76	<1.74	<1.95	<1.78	<1.84	<1.79
Dieldrin	5	39	1,400	<1.76	<1.74	<1.95	<1.78	<1.84	<1.79
delta-BHC	40	100,000	500,000	<1.76	<1.74	<1.95	<1.78	<1.84	<1.79
Chlordane, total	NS	NS	NS	<7.03	<6.94	<7.79	<7.14	<7.37	<7.17
beta-BHC	36	72	3,000	<1.76	<1.74	<1.95	<1.78	<1.84	<1.79
alpha-BHC	20	97	3,400	<1.76	<1.74	<1.95	<1.78	<1.84	<1.79
Aldrin	5	19	680	<1.76	<1.74	<1.95	<1.78	<1.84	<1.79
4,4´-DDT	3.3	1,700	47,000	<1.76	<1.74	<1.95	<1.78	<1.84	<1.79
4,4´-DDE	3.3	1,800	62,000	<1.76	<1.74	<1.95	<1.78	<1.84	<1.79
4,4´-DDD	3.3	2,600	92,000	<1.76	<1.74	<1.95	<1.78	<1.84	<1.79
Aroclor 1260	100	1,000	1,000	<0.0178	<0.0175	<0.0197	<0.0180	<0.0186	<0.0181
Aroclor 1254	100	1,000	1,000	<0.0178	<0.0175	<0.0197	<0.0180	<0.0186	<0.0181
Aroclor 1248	100	1,000	1,000	<0.0178	<0.0175	<0.0197	<0.0180	<0.0186	<0.0181
Aroclor 1242	100	1,000	1,000	<0.0178	<0.0175	<0.0197	<0.0180	<0.0186	<0.0181
Aroclor 1232	100	1,000	1,000	<0.0178	<0.0175	<0.0197	<0.0180	<0.0186	<0.0181
Aroclor 1221	100	1,000	1,000	<0.0178	<0.0175	<0.0197	<0.0180	<0.0186	<0.0181
Aroclor 1016	100	1,000	1,000	<0.0178	<0.0175	<0.0197	<0.0180	<0.0186	<0.0181

[1] Unrestricted Use Soil Cleanup Objectives, Table 375-6.8(a), 6 NYCRR 375, NYSDEC 2006
[2] Restricted Residential Soil Cleanup Objectives, Table 375-6.8(b), 6 NYCRR 375, NYSDEC 2006
[3] Commercial Soil Cleanup Objectives, Table 375-6.8(b), 6 NYCRR 375, NYSDEC 2006
Bolded values signify detection above method detection limit
Highlighted values signify exceedance of regulatory standard
NS = No Standard

Table 3 continued.

PCBs and Pesticides in Soil (ug/kg-dry)
EPA Method 8081/8082
320-328 West 36th Street
New York, NY

ACT Project No.: 7648-NYNY

Sample ID Sample Date	UUSCO [1]	Standard RRSCO [2]	CSCO [3]	SB-4 (4-6') 12/29/14	SB-5 (0-2') 1/5/15	SB-6 (0-2') 12/29/14	SB-7 (0-2') 1/5/15	SB-8 (0-1') 1/5/15
Toxaphene	NS	NS	NS	<89.7	<87.8	<90.8	<91.4	<89.4
Methoxychlor	NS	NS	NS	<8.86	<8.67	<8.97	<9.03	<8.83
Heptachlor epoxide	NS	NS	NS	<1.77	<1.73	<1.79	<1.81	<1.77
Heptachlor	42	420	15,000	<1.77	<1.73	<1.79	<1.81	<1.77
gamma-BHC	100	280	9,200	<1.77	<1.73	<1.79	<1.81	<1.77
Endrin ketone	NS	NS	NS	<1.77	<1.73	<1.79	<1.81	<1.77
Endrin aldehyde	NS	NS	NS	<1.77	<1.73	<1.79	<1.81	<1.77
Endrin	14	2,200	89,000	<1.77	<1.73	<1.79	<1.81	<1.77
Endosulfan sulfate	2,400	4,800	200,000	<1.77	<1.73	<1.79	<1.81	<1.77
Endosulfan II	2,400	4,800	200,000	<1.77	<1.73	<1.79	<1.81	<1.77
Endosulfan I	2,400	4,800	200,000	<1.77	<1.73	<1.79	<1.81	<1.77
Dieldrin	5	39	1,400	<1.77	<1.73	<1.79	<1.81	<1.77
delta-BHC	40	100,000	500,000	<1.77	<1.73	<1.79	<1.81	<1.77
Chlordane, total	NS	NS	NS	<7.09	<6.94	<7.18	**14.6**	<7.07
beta-BHC	36	72	3,000	<1.77	<1.73	<1.79	<1.81	<1.77
alpha-BHC	20	97	3,400	<1.77	<1.73	<1.79	<1.81	<1.77
Aldrin	5	19	680	<1.77	<1.73	<1.79	<1.81	<1.77
4,4´-DDT	3.3	1,700	47,000	<1.77	<1.73	**5.25**	**8.57**	<1.77
4,4´-DDE	3.3	1,800	62,000	<1.77	<1.73	<1.79	**2.26**	<1.77
4,4´-DDD	3.3	2,600	92,000	<1.77	<1.73	<1.79	<1.81	<1.77
Aroclor 1260	100	1,000	1,000	<0.0179	<0.0175	<0.0181	<0.0182	<0.0178
Aroclor 1254	100	1,000	1,000	<0.0179	<0.0175	<0.0181	<0.0182	<0.0178
Aroclor 1248	100	1,000	1,000	<0.0179	<0.0175	<0.0181	<0.0182	<0.0178
Aroclor 1242	100	1,000	1,000	<0.0179	<0.0175	<0.0181	<0.0182	<0.0178
Aroclor 1232	100	1,000	1,000	<0.0179	<0.0175	<0.0181	<0.0182	<0.0178
Aroclor 1221	100	1,000	1,000	<0.0179	<0.0175	<0.0181	<0.0182	<0.0178
Aroclor 1016	100	1,000	1,000	<0.0179	<0.0175	<0.0181	<0.0182	<0.0178

[1] Unrestricted Use Soil Cleanup Objectives, Table 375-6.8(a), 6 NYCRR 375, NYSDEC 2006
[2] Restricted Residential Soil Cleanup Objectives, Table 375-6.8(b), 6 NYCRR 375, NYSDEC 2006
[3] Commercial Soil Cleanup Objectives, Table 375-6.8(b), 6 NYCRR 375, NYSDEC 2006
Bolded values signify detection above method detection limit
Highlighted values signify exceedance of regulatory standard
NS = No Standard

Table 4

Metals in Soil (mg/kg-dry)
EPA Method 6010
320-328 West 36th Street
New York, NY

ACT Project No.: 7648-NYNY

Sample ID Sample Date	UUSCO [1]	Standard RRSCO [2]	CSCO [3]	SB-1 (0-2') 1/6/15	SB-2 (0-2') 1/5/15	SB-2 (6-8') 1/5/15	SB-3 (0-2') 1/6/15	SB-3 (6-8') 1/6/15	SB-4 (0-2') 12/29/14
Aluminum	NS	NS	NS	**7,290**	**4,780**	**4,180**	**3,310**	**5,230**	**7,420**
Antimony	NS	NS	NS	<0.533	<0.526	<0.590	<0.541	<0.558	<0.543
Arsenic	13	16	16	**2.70**	**2.08**	**1.45**	**1.17**	**2.23**	**4.23**
Barium	350	400	400	**124**	**25.8**	**74.6**	**17.1**	**141**	**96.8**
Beryllium	7.2	72	590	<0.107	<0.105	<0.118	<0.108	<0.112	<0.109
Cadmium	2.5	4.3	9.3	<0.320	<0.316	<0.354	<0.324	<0.335	<0.326
Calcium	NS	NS	NS	**4,820**	**1,800**	**7,230**	**1,180**	**7,880**	**21+0**
Chromium	30	180	1,500	**17.5**	**16.6**	**8.65**	**9.12**	**11.4**	**19.7**
Cobalt	NS	NS	NS	**7.41**	**5.82**	**4.02**	**4.29**	**4.99**	**7.36**
Copper	50	270	270	**17.5**	**16.4**	**7.59**	**13.0**	**8.65**	**19.6**
Iron	NS	NS	NS	**14,000**	**8,490**	**9,350**	**5,890**	**10,900**	**14,200**
Lead	63	400	1,000	**7.09**	**4.30**	**3.82**	**3.08**	**4.37**	**29.6**
Magnesium	NS	NS	NS	**4,000**	**1,910**	**3,090**	**1,550**	**4,640**	**2,950**
Manganese	1,600	2,000	10,000	**475**	**97.3**	**375**	**80.5**	**377**	**424**
Mercury	0.18	0.81	2.8	<0.0320	<0.0316	<0.0354	<0.0324	<0.0335	<0.0326
Nickel	30	310	310	**20.2**	**13.7**	**11.1**	**9.17**	**13.0**	**18.9**
Potassium	NS	NS	NS	**2,330**	**1,090**	**1,440**	**710**	**2,130**	**2,270**
Selenium	3.9	180	1,500	**3.27**	**1.65**	**2.14**	**1.60**	**1.97**	**3.51**
Silver	2	180	1,500	<0.533	<0.526	<0.590	<0.541	<0.558	<0.543
Sodium	NS	NS	NS	**551**	**243**	**194**	**179**	**205**	**308**
Thallium	NS	NS	NS	<1.07	<1.05	<1.18	<1.08	<1.12	<1.09
Vanadium	NS	NS	NS	**25.2**	**21.1**	**13.3**	**10.0**	**17.4**	**25.9**
Zinc	109	10,000	10,000	**27.5**	**16.9**	**18.2**	**11.9**	**20.7**	**29.5**

[1] Unrestricted Use Soil Cleanup Objectives, Table 375-6.8(a), 6 NYCRR 375, NYSDEC 2006
[2] Restricted Residential Soil Cleanup Objectives, Table 375-6.8(b), 6 NYCRR 375, NYSDEC 2006
[3] Commercial Soil Cleanup Objectives, Table 375-6.8(b), 6 NYCRR 375, NYSDEC 2006
Bolded values signify detection above method detection limit
Highlighted values signify exceedance of regulatory standard
NS = No Standard

Table 4 continued.

Metals in Soil (mg/kg-dry)
EPA Method 6010
320-328 West 36th Street
New York, NY

ACT Project No.: 7648-NYNY

Sample ID Sample Date	UUSCO [1]	Standard RRSCO [2]	CSCO [3]	SB-4 (4-6') 12/29/14	SB-5 (0-2') 1/5/15	SB-6 (0-2') 12/29/14	SB-7 (0-2') 1/5/15	SB-8 (0-1') 1/5/15
Aluminum	NS	NS	NS	**5,720**	**2,690**	**5,980**	**8,590**	**9,240**
Antimony	NS	NS	NS	<0.537	<0.526	<0.544	<0.547	<0.535
Arsenic	13	16	16	**1.81**	<1.05	**3.02**	**3.93**	**3.72**
Barium	350	400	400	**106**	**24.2**	**149**	**208**	**171**
Beryllium	7.2	72	590	<0.107	<0.105	<0.109	<0.109	<0.107
Cadmium	2.5	4.3	9.3	<0.322	<0.315	<0.326	<0.328	<0.321
Calcium	NS	NS	NS	**6,350**	**1,210**	**11,700**	**17,300**	**17,300**
Chromium	30	180	1,500	**12.1**	**4.20**	**12.8**	**38.8**	**16.5**
Cobalt	NS	NS	NS	**6.70**	**1.69**	**4.78**	**5.98**	**10.5**
Copper	50	270	270	**9.82**	**5.00**	**17.1**	**25.5**	**16.9**
Iron	NS	NS	NS	**12,000**	**5,790**	**10,900**	**16,100**	**18,200**
Lead	63	400	1,000	**6.01**	**32.9**	**98.9**	**158**	**35.8**
Magnesium	NS	NS	NS	**3,770**	**1,340**	**3,630**	**6,230**	**6,360**
Manganese	1,600	2,000	10,000	**406**	**127**	**257**	**402**	**350**
Mercury	0.18	0.81	2.8	<0.0322	<0.0315	**0.162**	**0.775**	**0.137**
Nickel	30	310	310	**16.6**	**4.92**	**12.4**	**38.0**	**19.4**
Potassium	NS	NS	NS	**2,150**	**615**	**1,890**	**3,810**	**6,110**
Selenium	3.9	180	1,500	**2.84**	**1.72**	**2.54**	**3.43**	**3.75**
Silver	2	180	1,500	<0.537	<0.526	<0.544	<0.547	<0.535
Sodium	NS	NS	NS	**224**	**165**	**314**	**376**	**711**
Thallium	NS	NS	NS	<1.07	<1.05	<1.09	<1.09	<1.07
Vanadium	NS	NS	NS	**17.8**	**9.60**	**25.9**	**20.7**	**25.6**
Zinc	109	10,000	10,000	**22.4**	**24.0**	**102**	**261**	**76.2**

[1] Unrestricted Use Soil Cleanup Objectives, Table 375-6.8(a), 6 NYCRR 375, NYSDEC 2006
[2] Restricted Residential Soil Cleanup Objectives, Table 375-6.8(b), 6 NYCRR 375, NYSDEC 2006
[3] Commercial Soil Cleanup Objectives, Table 375-6.8(b), 6 NYCRR 375, NYSDEC 2006
Bolded values signify detection above method detection limit
Highlighted values signify exceedance of regulatory standard
NS = No Standard

Table 5

Volatile Organic Compounds in Groundwater (ug/l)
EPA Method 8260
320-328 West 36th Street
New York, NY

ACT Project No.: 7648-NYNY

Sample ID Sample Date	Standard [1]	MW-2 1/6/14
1,1,1,2-Tetrachloroethane	5	<0.20
1,1,1-Trichloroethane	5	<0.20
1,1,2,2-Tetrachloroethane	0.2	<0.20
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	<0.20
1,1,2-Trichloroethane	1	<0.20
1,1-Dichloroethane	5	<0.20
1,1-Dichloroethene	0.7	<0.20
1,2,4-Trichlorobenzene	5	<0.20
1,2,4-Trimethylbenzene	5	**3.80**
1,2-Dibromo-3-chloropropane	0.04	<0.20
1,2-Dibromoethane	NS	<0.20
1,2-Dichlorobenzene	2	<0.20
1,2-Dichloroethane	0.6	<0.20
1,2-Dichloropropane	1	<0.20
1,3,5-Trimethylbenzene	5	**0.93**
1,3-Dichlorobenzene	3	<0.20
1,4-Dichlorobenzene	3	<0.20
1,4-Dioxane	NS	<40
2-Butanone	50	**15**
2-Hexanone	50	<0.20
4-Methyl-2-pentanone	NS	<0.20
Acetone	50	**12.0**
Acrolein	NS	<0.20
Acrylonitrile	5	<0.20
Benzene	0.7	**1.4**
Bromodichloromethane	50	<0.20
Bromoform	50	<0.20
Bromomethane	5	<0.20
Carbon disulfide	NS	<0.20
Carbon tetrachloride	5	<0.20
Chlorobenzene	5	<0.20
Chloroethane	5	<0.20
Chloroform	7	<0.20
Chloromethane	NS	<0.20
cis-1,2-Dichloroethene	5	<0.20
cis-1,3-Dichloropropene	0.4	<0.20
Dibromochloromethane	50	<0.20
Dibromomethane	5	<0.20
Dichlorodifluoromethane	5	<0.20
Ethylbenzene	5	**1.5**
Hexachlorobutadiene	0.5	<0.20
Isopropylbenzene	5	<0.20
Methyl Acetate	NS	<0.20
Methyl tert-butyl ether	10	<0.20
Methylene chloride	5	<1.0
n-Butylbenzene	5	<0.20
n-Propylbenzene	5	**0.38**
o-Xylene	5	**3.0**
p- & m-Xylenes	5	**6.9**
p-Isopropyltoluene	5	<0.20
sec-Butylbenzene	5	<0.20
Styrene	50	<0.20
tert-Butyl alcohol (TBA)	NS	<0.50
tert-Butylbenzene	5	<0.20
Tetrachloroethene	5	<0.20
Toluene	5	**7.4**
trans-1,2-Dichloroethene	5	<0.20
trans-1,3-Dichloropropene	NS	<0.20
Trichloroethene	5	<0.20
Trichlorofluoromethane	5	<0.20
Vinyl chloride	2	<0.50
Xylene (total)	15	**9.9**

[1] NYS DEC TOGS 1.1.1, June, 1998
Bolded values signify detection above method detection limit
Highlighted values signify exceedance of regulatory guidance
NS = No Standard

Table 6

Semi Volatile Organic Compounds in Groundwater (ug/l)
EPA Method 8270
320-328 West 36th Street
New York, NY

ACT Project No.: 7648-NYNY

Sample ID Sample Date	Standard [1]	MW-2 1/6/14
Acenaphthene	20	**<0.0500**
Acenaphthylene	NS	<0.0500
Acetophenone	NS	<2.50
Anthracene	50	<0.0500
Atrazine	7.5	<0.500
Benzaldehyde	NS	<2.50
Benzidine	5	<10.3
Benzo(a)anthracene	NS	<0.0500
Benzo(a)pyrene	NS	<0.0500
Benzo(b)fluoranthene	0.002	<0.0500
Benzo(g,h,i)perylene	NS	<0.0500
Benzoic acid	NS	<25.0
Benzo(k)fluoranthene	0.002	<0.0500
Benzyl alcohol	NS	<2.50
Benzyl butyl phthalate	50	<2.50
1,1´-Biphenyl	5	<2.50
4-Bromophenyl-phenylether	NS	<2.50
Caprolactam	NS	<2.50
Carbazole	NS	<2.50
Bis(2-chloroethoxy)methane	5	<2.50
Bis(2-chloroethyl)ether	1	<2.50
Bis(2-chloroisopropyl)ether	5	<2.50
2-Chloronaphthalene	10	<2.50
2-Chlorophenol	NS	<2.50
4-Chlorophenyl phenyl ether	NS	<2.50
Chrysene	0.002	<0.0500
Dibenzo(a,h)anthracene	NS	<0.0500
Dibenzofuran	NS	<2.50
Di-n-butyl phthalate	50	<2.50
1,4-Dichlorobenzene	3	<2.50
1,2-Dichlorobenzene	3	<2.50
1,3-Dichlorobenzene	3	<2.50
3,3´-Dichlorobenzidine	5	<2.50
2,4-Dichlorophenol	0.3	<2.50
Diethyl phthalate	50	<2.50
2,4-Dimethylphenol	50	<2.50
Dimethyl phthalate	50	<2.50
4,6-Dinitro-2-methylphenol	NS	<2.50
2,4-Dinitrophenol	10	<2.50
2,4-Dinitrotoluene	5	<2.50
2,6-Dinitrotoluene	0.07	<2.50
Di-n-octyl phthalate	50	<2.50
1,2-Diphenyhydrazine	NS	<2.50
Bis(2-ethylhexyl)phthalate	5	**4.38**
Fluoranthene	50	<0.0500
Fluorene	50	<0.0500
Hexachlorobenzene	0.04	<0.0205
Hexachlorobutadiene	0.5	<0.500
Hexachlorocyclopentadiene	5	<2.50
Hexachloroethane	5	<0.500
Indeno(1,2,3-c,d)pyrene	0.002	<0.0500
Isophorone	50	<2.50
2-Methylnaphthalene	42	<2.50
2-Methylphenol	NS	<2.50
3- & 4-Methylphenol	NS	<2.50
Naphthalene	10	**0.920**
3-Nitroaniline	5	<2.50
4-Nitroaniline	5	<2.50
2-Nitroaniline	5	<2.50
Nitrobenzene	0.4	<0.256
4-Nitrophenol	NS	<2.50
2-Nitrophenol	NS	<2.50
N-Nitrosodi-n-propylamine	NS	<2.50
N-Nitrosodimethylamine	NS	<0.500
N-Nitrosodiphenylamine	50	<2.50
Pentachlorophenol	NS	<0.256
Phenanthrene	50	**0.190**
Phenol	NS	<2.50
Pyrene	50	<0.0500
1,2,4-Trichlorobenzene	50	<2.50
2,4,6-Trichlorophenol	NS	<2.50
2,4,5-Trichlorophenol	NS	<2.50

[1] NYS DEC TOGS 1.1.1, June, 1998
Bolded values signify detection above method detection limit
Highlighted values signify exceedance of regulatory guidance
NS = No Standard

Table 7

Total and Dissolved Metals in Groundwater (ug/l)
EPA Method 6010 and 7471
120 Kings Highway
Brooklyn, NY

ACT Project No.: 7772-BKNY

Sample ID Sample Date	Standard [1]	MW-2 1/6/14
Dissolved		
Aluminum	100	<0.010
Antimony	3	<0.005
Arsenic	50	<0.004
Barium	1,000	**248**
Beryllium	3	<0.001
Cadmium	5	<0.003
Calcium	NS	**326,000**
Chromium	50	<0.005
Cobalt	5	**16**
Copper	200	<0.003
Iron	300	**4.70**
Lead	50	<3
Magnesium	35,000	**49,100**
Manganese	300	**3,020**
Mercury	0.7	<0.20
Nickel	100	**18**
Potassium	NS	**21,800**
Selenium	10	<0.010
Silver	NS	<0.005
Sodium	20,000	**240,000**
Thallium	8	<0.005
Vanadium	14	<0.010
Zinc	66	**11**

[1] NYS DEC TOGS 1.1.1, June, 1998
Bolded values signify detection above method detection limit
Highlighted values signify exceedance of regulatory guidance in dissolved samples
NS = No Standard

Table 8

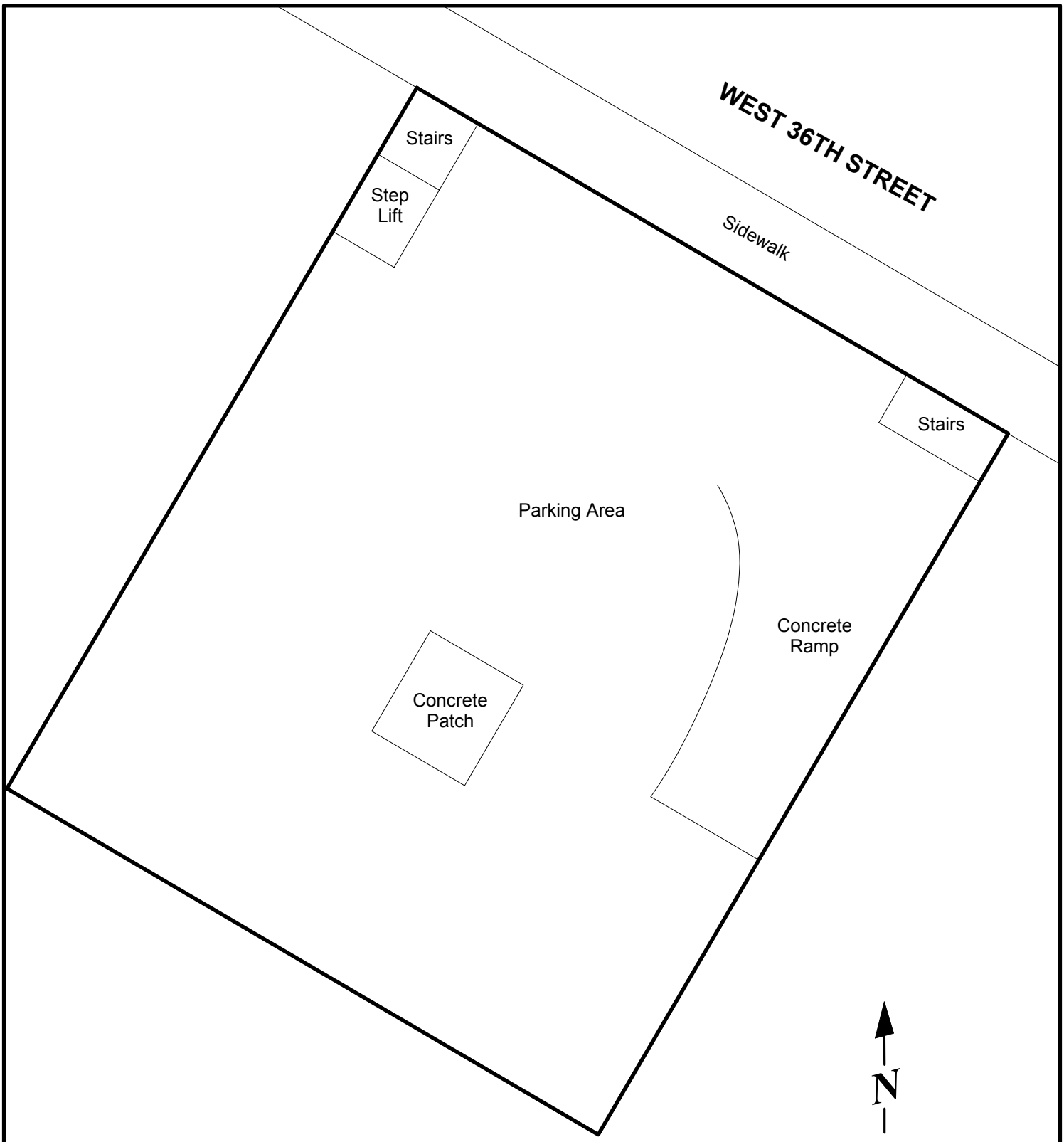
Volatile Organic Compounds in Soil Vapor (ug/m3)
EPA Method TO-15
320-328 West 36th Street
New York, NY

ACT Project No.: 7648-LINY

Sample ID	NYSDOH Indoor	SV-1	SV-2	SV-3	SV-4	SV-5
Sample Date	Air Guideline [1]	1/6/15	1/6/15	1/6/15	1/6/15	1/6/15
Vinyl chloride	NA	<1.4	<1.1	<1.3	<1.1	<0.13
Vinyl acetate	NA	<7.9	<6.2	<7.4	<6.1	<0.70
Trichloroethene	5	<3.0	<2.4	<2.8	<2.3	<0.27
1,3-Dichloropropene (trans)	NA	<10	<8.0	<9.5	<7.9	<0.90
1,2-Dichloroethene (trans)	NA	<8.9	<7.0	<8.3	<6.9	<0.78
Toluene	NA	**430**	**230**	**340**	**260**	**66**
Tetrahydrofuran	NA	**720**	**260**	**460**	**310**	**96**
Tetrachloroethene	30	<3.8	<3.0	<3.6	<2.9	**3.2**
Styrene	NA	<9.5	<7.5	<8.9	<7.4	<0.84
Propylene	NA	<3.9	<3.0	<3.6	<3.0	<0.34
4-Ethyltoluene	NA	**34**	**34**	**30**	**21**	**7.1**
Xylenes (m&p)	NA	**200**	**170**	**180**	**140**	**39**
Xylenes (o)	NA	**53**	**48**	**47**	**35**	**10**
n-Hexane	NA	**78**	**31**	**56**	**38**	**12**
n-Heptane	NA	**55**	**26**	**37**	**23**	**7.5**
Methylene chloride	60	<16	<12	<15	**26**	**1.4**
Methyl tert-butyl ether	NA	<8.1	<6.4	<7.6	<6.3	<0.71
4-Methyl-2-pentanone	NA	<9.2	<7.2	<8.6	<7.1	<0.81
Isopropanol	NA	<11	<8.7	<10	<8.5	**1.20**
1,3-Hexachlorobutadiene	NA	<24	**<19**	<22	<19	<2.1
Ethylbenzene	NA	**58**	**43**	**49**	**40**	**11**
Ethyl acetate	NA	<16	<13	<15	<13	<1.4
Cyclohexane	NA	**12**	**6.1**	**8.7**	<6.0	**2.1**
1,3-Dichloropropene (cis)	NA	<10	<8.0	<9.5	<7.9	<0.90
1,2-Dichloroethene (cis)	NA	<8.9	<7.0	<8.3	<6.9	<0.78
Chloromethane	NA	<4.6	<3.7	<4.3	<3.6	<0.41
Chloroform	NA	**13**	**28**	**21**	**12**	**1.4**
Chloroethane	NA	<5.9	<4.7	<5.5	<4.6	<0.52
Carbon tetrachloride	NA	<3.5	<2.8	<3.3	<2.7	<0.31
Carbon disulfide	NA	**16**	**7.2**	**48**	**15**	**4.6**
Bromomethane	NA	<8.7	<6.9	<8.2	<6.7	<0.7
Bromoform	NA	<23	<18	<22	<18	<2.0
Bromodichloromethane	NA	<14	<11	<13	<11	<1.2
Benzyl Chloride	NA	<12	<9.2	<11	<9.0	<1.0
Benzene	NA	**67**	**23**	**62**	**28**	**8.2**
Acetone	NA	**94**	**31**	**91**	**74**	**21**
2-Hexanone	NA	<18	<14	<17	<14	<1.6
2-Butanone	NA	**120**	**33**	**81**	**52**	**19**
1,4-Dioxane	NA	<8.1	<6.4	<7.6	<6.3	<0.71
1,4-Dichlorobenzene	NA	<13	<11	<13	<10	<1.2
1,3-Dichlorobenzene	NA	<13	<11	<13	<10	<1.2
1,3-Butadiene	NA	<9.7	<7.7	<9.1	<7.5	<0.86
1,3,5-Trimethylbenzene	NA	<11	<8.7	<10	<8.5	**1.4**
1,2-Dichlorotetrafluoroethane	NA	<16	<12	<15	<12	<1.4
1,2-Dichloropropane	NA	<10	<8.2	<9.7	<8.0	<0.91
1,2-Dichloroethane	NA	<9.1	<7.2	<8.5	<7.0	<0.80
1,2-Dichlorobenzene	NA	<13	<11	<13	<10	<1.2
1,2,4-Trimethylbenzene	NA	**26**	**28**	**23**	**15**	**4.8**
1,2,4-Trichlorobenzene	NA	<17	<13	<16	<13	<1.5
1,1-Dichloroethene	NA	<8.9	<7.0	<8.3	<6.9	<0.78
1,1-Dichloroethane	NA	<9.1	<7.2	<8.5	<7.0	<0.80
Trichlorofluoromethane	NA	<13	<9.9	<12	<9.8	1.20
1,1,2-Trichloroethane	NA	<12	<9.6	<11	<9.5	<1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	<17	<14	<16	<13	<1.5
1,1,2,2-Tetrachloroethane	NA	<15	<12	<14	<12	<1.4
1,1,1-Trichloroethane	NA	<12	<9.6	<11	<9.5	<1.1
Dichlorodifluoromethane	NA	<11	<8.7	<10	<8.6	**1.9**
1,2-Dibromoethane	NA	<17	<14	<16	<13	<1.5
Dibromochloromethane	NA	<18	<14	<17	<14	<1.6
Methyl Methacrylate	NA	<9.2	<7.2	<8.6	<7.1	<0.81
Chlorobenzene	NA	<10	<8.1	<9.7	<8.0	<0.91

[1] Table 3.1, NYSDOH "Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York" (October 2006)
[3] Matrix 1, NYSDOH "Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York" (October 2006)
[4] Matrix 2, NYSDOH "Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York" (October 2006)
Bolded values signify detection above method detection limit
Highlighted values signify detection above guidance value
NA = Guidance Value Not Available

FIGURES



Site Diagram

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Project No.:7648-NYNY	Figure No.: 1
Date: 01/14/2015	Scale: Not To Scale

Figure 3 : Redevelopment Plans

AC 320 HOTEL PARTNERS LLC

320-328 West 36th Street
New York, NY 10018
ISSUED FOR CONSTRUCTION 10-8-2014

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ISSUE RECORD

02.28.2014	DOB SUBMISSION
05.19.2014	DOB SUBMISSION
07.10.2014	DOB SUBMISSION
08.25.2014	DOB SUBMISSION
07.18.2014	90% CD SUBMISSION
09.15.2014	ISSUED FOR JV
10.08.2014	ISSUED FOR CONSTRUCTION

REVISION RECORD

–	–
–	–

21362
Oct. 8, 2014
No Scale

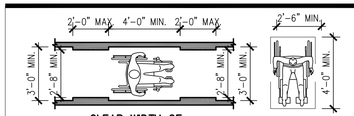
T-100.00
Drawing Number 01 of ##

10 / 8 / 2014 21362-T100.00.DWG
Plotted: 10 / 8 / 2014 by:efc

DWG No.	DRAWING NAME	SCALE	20140431: 50% CD SUBMISSION	20140604: 80% CD SUBMISSION	2014-07-18: 90% CD SUBMISSION	2014-07-18: ISSUED FOR JOINT VENTURE	2014-10-08: ISSUED FOR CONSTRUCTION
ARCHITECTURAL							
T-100.00	COVER SHEET	-	X	X	X	X	X
T-101.00	DRAWING INDEX	-	X	X	X	X	X
G-001.00	GENERAL NOTES AND ACCESSABILITY DIAGRAMS	-	X	X	X	X	X
G-002.00	GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS	-	X	X	X	X	X
G-003.00	FUEL OIL GAS CODE NOTES	-	X	X	X	X	X
EN-100.00	ENVELOPE COMPLIANCE CERTIFICATE		X	X	X	X	X
Z-001.00	SITE PLAN & ZONING CALCULATIONS	AS NOTED	X	X	X	X	X
Z-002.00	ZONING SKY EXPORSURE PLANE/TOWER REGULATIONS/BICYCLE PARKING	-	X	X	X	X	X
Z-003.00	FLOOD INSURANCE RATE MAP 2007	-	X	X	X	X	X
Z-004.00	FLOOD INSURANCE RATE MAP 2013			X	X	X	X
Z-005.00	SURVEY	-	X	X	X	X	X
Z-101.00	FLOOR AREA CALCULATIONS	1/16" = 1'-0"	X	X	X	X	X
Z-102.00	FLOOR AREA CALCULATIONS	1/16" = 1'-0"	X	X	X	X	X
Z-103.00	FLOOR AREA CALCULATIONS	1/16" = 1'-0"	X	X	X	X	X
Z-104.00	MECHANICAL DEDUCTIONS - GROUND FLOOR AND 2ND FLOOR	1/8" = 1'-0"	X	X	X	X	X
Z-105.00	MECHANICAL DEDUCTIONS - 3RD FLOOR AND 4TH FLOOR	1/8" = 1'-0"	X	X	X	X	X
Z-106.00	MECHANICAL DEDUCTIONS - 5TH FLOOR AND 6TH FLOOR	1/8" = 1'-0"	X	X	X	X	X
Z-107.00	MECHANICAL DEDUCTIONS - 7TH FLOOR AND 8TH - 9TH FLOOR	1/8" = 1'-0"	X	X	X	X	X
Z-108.00	MECHANICAL DEDUCTIONS - 10TH FLOOR AND 11TH - 12TH FLOOR	1/8" = 1'-0"	X	X	X	X	X
Z-109.00	MECHANICAL DEDUCTIONS - 13TH - 15TH FLOOR AND 16TH - 18TH FLOOR	1/8" = 1'-0"	X	X	X	X	X
Z-110.00	MECHANICAL DEDUCTIONS - 19TH FLOOR AND 20TH FLOOR	1/8" = 1'-0"	X	X	X	X	X
Z-111.00	MECHANICAL DEDUCTIONS - 21ST FLOOR AND 22ND - 24TH FLOOR	1/8" = 1'-0"	X	X	X	X	X
Z-112.00	MECHANICAL DEDUCTIONS - 25TH FLOOR AND 26TH FLOOR	1/8" = 1'-0"	X	X	X	X	X
Z-113.00	MECHANICAL DEDUCTIONS - 27TH FLOOR AND 28TH FLOOR	1/8" = 1'-0"	X	X	X	X	X
EG-100.00	EGRESS PLAN - CELLAR FLOOR	1/8" = 1'-0"		X	X	X	X
EG-101.00	EGRESS PLAN - GROUND FLOOR AND 2ND FLOOR	1/8" = 1'-0"	X	X	X	X	X
EG-103.00	EGRESS PLAN - 3RD FLOOR AND 4TH FLOOR	1/8" = 1'-0"	X	X	X	X	X
EG-105.00	EGRESS PLAN - 5TH FLOOR AND 6TH FLOOR	1/8" = 1'-0"	X	X	X	X	X
EG-107.00	EGRESS PLAN - 7TH FLOOR AND 8TH - 9TH FLOOR	1/8" = 1'-0"	X	X	X	X	X
EG-110.00	EGRESS PLAN - 10TH FLOOR AND 11TH - 12TH FLOOR	1/8" = 1'-0"	X	X	X	X	X
EG-113.00	EGRESS PLAN - 13TH - 15TH FLOOR AND 16TH - 18TH FLOOR	1/8" = 1'-0"	X	X	X	X	X
EG-119.00	EGRESS PLAN - 19TH FLOOR AND 20TH FLOOR	1/8" = 1'-0"	X	X	X	X	X
EG-121.00	EGRESS PLAN - 21ST FLOOR AND 22ND - 24TH FLOOR	1/8" = 1'-0"	X	X	X	X	X
EG-125.00	EGRESS PLAN - 25TH FLOOR AND 26TH FLOOR	1/8" = 1'-0"	X	X	X	X	X
A-100.00	CELLAR FLOOR SLAB EDGE PLAN	1/4" = 1'-0"		X	X	X	X
A-101.00	GROUND FLOOR SLAB EDGE PLAN	1/4" = 1'-0"	X	X	X	X	X
A-102.00	2ND FLOOR SLAB EDGE PLAN	1/4" = 1'-0"	X	X	X	X	X
A-103.00	3RD FLOOR SLAB EDGE PLAN	1/4" = 1'-0"	X	X	X	X	X
A-104.00	4TH FLOOR SLAB EDGE PLAN	1/4" = 1'-0"	X	X	X	X	X
A-105.00	5TH FLOOR SLAB EDGE PLAN	1/4" = 1'-0"	X	X	X	X	X
A-106.00	6TH FLOOR SLAB EDGE PLAN	1/4" = 1'-0"	X	X	X	X	X
A-107.00	7TH FLOOR SLAB EDGE PLAN	1/4" = 1'-0"	X	X	X	X	X
A-108.00	8TH - 9TH FLOOR SLAB EDGE PLAN	1/4" = 1'-0"	X	X	X	X	X
A-109.00	9TH FLOOR SLAB EDGE PLAN	1/4"=1'-0"		X	X	X	X
A-110.00	10TH FLOOR SLAB EDGE PLAN	1/4" = 1'-0"	X	X	X	X	X
A-111.00	11TH - 12TH FLOOR SLAB EDGE PLAN	1/4" = 1'-0"	X	X	X	X	X
A-113.00	13TH - 15TH FLOOR SLAB EDGE PLAN	1/4" = 1'-0"	X	X	X	X	X
A-116.00	16TH - 18TH FLOOR SLAB EDGE PLAN	1/4" = 1'-0"	X	X	X	X	X
A-119.00	19TH FLOOR SLAB EDGE PLAN	1/4" = 1'-0"	X	X	X	X	X
A-120.00	20TH FLOOR SLAB EDGE PLAN	1/4" = 1'-0"	X	X	X	X	X
A-121.00	21ST FLOOR SLAB EDGE PLAN	1/4" = 1'-0"	X	X	X	X	X
A-122.00	22ND - 24TH FLOOR SLAB EDGE PLAN	1/4" = 1'-0"	X	X	X	X	X
A-125.00	25TH FLOOR SLAB EDGE PLAN	1/4" = 1'-0"	X	X	X	X	X
A-126.00	26TH FLOOR SLAB EDGE PLAN	1/4" = 1'-0"	X	X	X	X	X
A-127.00	MECHANICAL LEVEL 1 FLOOR SLAB EDGE PLAN	1/4" = 1'-0"	X	X	X	X	X
A-128.00	MECHANICAL LEVEL 2 FLOOR SLAB EDGE PLAN	1/4" = 1'-0"	X	X	X	X	X
A-129.00	ROOF SLAB EDGE PLAN	1/4" = 1'-0"	X	X	X	X	X
A-200.00	CELLAR PLAN	1/4" = 1'-0"	X	X	X	X	X
A-201.00	GROUND FLOOR PLAN	1/4" = 1'-0"	X	X	X	X	X
A-202.00	2ND FLOOR PLAN	1/4" = 1'-0"	X	X	X	X	X
A-203.00	3RD FLOOR PLAN	1/4" = 1'-0"	X	X	X	X	X
A-204.00	4TH FLOOR PLAN	1/4" = 1'-0"	X	X	X	X	X
A-204AT.00	4TH FLOOR PLAN	1/4" = 1'-0"		X	X	X	X
A-205.00	5TH FLOOR PLAN	1/4" = 1'-0"	X	X	X	X	X
A-206.00	6TH FLOOR PLAN	1/4" = 1'-0"	X	X	X	X	X
A-207.00	7TH FLOOR PLAN	1/4" = 1'-0"	X	X	X	X	X
A-208.00	8TH - 9TH FLOOR PLAN ADA ROLL-IN SHOWER	1/4" = 1'-0"	X	X	X	X	X
A-210.00	10TH FLOOR PLAN	1/4" = 1'-0"	X	X	X	X	X
A-211.00	11TH - 12TH FLOOR PLAN	1/4" = 1'-0"	X	X	X		
A-211.00	11TH-13TH FLOOR PLAN ADA TUB					X	X
A-213.00	13TH - 15TH FLOOR PLAN	1/4" = 1'-0"	X	X	X		
A-214.00	14TH-15TH FLOOR PLAN	1/4" = 1'-0"				X	X
A-216.00	16TH - 18TH FLOOR PLAN ADA TUB	1/4" = 1'-0"	X	X	X	X	X
A-219.00	19TH FLOOR PLAN	1/4" = 1'-0"	X	X	X	X	X
A-220.00	20TH FLOOR PLAN ADA ROLL-IN SHOWER	1/4" = 1'-0"	X	X	X	X	X
A-221.00	21ST FLOOR PLAN	1/4" = 1'-0"	X	X	X	X	X
A-222.00	22ND - 24TH FLOOR PLAN ADA ROLL-IN SHOWER	1/4" = 1'-0"	X	X	X	X	X
A-225.00	25TH FLOOR PLAN ADA TUB SUITE	1/4" = 1'-0"	X	X	X	X	X
A-226.00	26TH FLOOR PLAN	1/4" = 1'-0"	X	X	X	X	X
A-227.00	MECHANICAL LEVEL 1 FLOOR PLAN	1/4" = 1'-0"	X	X	X	X	X
A-228.00	MECHANICAL LEVEL 2 FLOOR PLAN	1/4" = 1'-0"	X	X	X	X	X
A-229.00	ROOF PLAN	1/4" = 1'-0"	X	X	X	X	X
A-300.00	CELLAR PLAN REFLECTED CEILING PLAN	1/4" = 1'-0"	X	X	X	X	X
A-301.00	GROUND FLOOR PLAN REFLECTED CEILING PLAN	1/4" = 1'-0"	X	X	X	X	X
A-302.00	2ND FLOOR PLAN REFLECTED CEILING PLAN	1/4" = 1'-0"	X	X	X	X	X
A-303.00	3RD FLOOR PLAN REFLECTED CEILING PLAN	1/4" = 1'-0"	X	X	X	X	X
A-304.00	4TH FLOOR PLAN REFLECTED CEILING PLAN	1/4" = 1'-0"	X	X	X	X	X
A-305.00	5TH FLOOR PLAN REFLECTED CEILING PLAN	1/4" = 1'-0"	X	X	X	X	X
A-306.00	6TH FLOOR PLAN REFLECTED CEILING PLAN	1/4" = 1'-0"	X	X	X	X	X
A-307.00	7TH FLOOR PLAN REFLECTED CEILING PLAN	1/4" = 1'-0"	X	X	X	X	X
A-308.00	8TH - 9TH FLOOR PLAN REFLECTED CEILING PLAN	1/4" = 1'-0"	X	X	X	X	X
A-310.00	10TH FLOOR PLAN REFLECTED CEILING PLAN	1/4" = 1'-0"	X	X	X	X	X
A-311.00	11TH - 12TH FLOOR PLAN REFLECTED CEILING PLAN	1/4" = 1'-0"	X	X	X	X	X
A-313.00	13TH - 15TH FLOOR PLAN REFLECTED CEILING PLAN	1/4" = 1'-0"	X	X	X	X	X
A-316.00	16TH - 18TH FLOOR PLAN REFLECTED CEILING PLAN	1/4" = 1'-0"	X	X	X	X	X
A-319.00	19TH FLOOR PLAN REFLECTED CEILING PLAN	1/4" = 1'-0"	X	X	X	X	X
A-320.00	20TH FLOOR PLAN REFLECTED CEILING PLAN	1/4" = 1'-0"	X	X	X	X	X
A-321.00	21ST FLOOR PLAN REFLECTED CEILING PLAN	1/4" = 1'-0"	X	X	X	X	X
A-322.00	22ND - 24TH FLOOR PLAN REFLECTED CEILING PLAN	1/4" = 1'-0"	X	X	X	X	X
A-325.00	25TH FLOOR PLAN REFLECTED CEILING PLAN	1/4" = 1'-0"	X	X	X	X	X
A-326.00	26TH FLOOR PLAN REFLECTED CEILING PLAN	1/4" = 1'-0"	X	X	X	X	X
A-400.00	CELLAR FLOOR PLAN POWER AND DATE	1/4" = 1'-0"		X	X	X	X

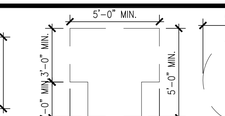
DWG No.	DRAWING NAME	SCALE	20140431: 50% CD SUBMISSION	20140604: 80% CD SUBMISSION	2014-07-18: 90% CD SUBMISSION	2014-07-18: ISSUED FOR JOINT VENTURE	2014-10-08: ISSUED FOR CONSTRUCTION
A-401.00	GROUND FLOOR PLAN POWER AND DATA	1/4" = 1'-0"		X	X	X	X
A-402.00	2ND FLOOR PLAN POWER AND DATA	1/4" = 1'-0"		X	X	X	X
A-403.00	3RD FLOOR PLAN POWER AND DATA	1/4" = 1'-0"		X	X	X	X
A-404.00	4TH FLOOR PLAN POWER AND DATA	1/4" = 1'-0"		X	X	X	X
A-405.00	5TH FLOOR PLAN POWER AND DATA	1/4" = 1'-0"		X	X	X	X
A-406.00	6TH FLOOR PLAN POWER AND DATA	1/4" = 1'-0"		X	X	X	X
A-407.00	7TH FLOOR PLAN POWER AND DATA	1/4" = 1'-0"		X	X	X	X
A-408.00	8TH- 9TH FLOOR PLAN POWER AND DATA	1/4" = 1'-0"		X	X	X	X
A-410.00	10 TH FLOOR PLAN POWER AND DATA	1/4" = 1'-0"		X	X	X	X
A-411.00	11TH AND 12TH FLOOR PLAN POWER AND DATA	1/4" = 1'-0"		X	X	X	X
A-413.00	13TH - 15TH FLOOR PLAN POWER AND DATA	1/4" = 1'-0"		X	X	X	X
A-416.00	16TH - 18TH FLOR PLAN POWER AND DATA	1/4" = 1'-0"		X	X	X	X
A-419.00	19TH FLOOR PLAN POWER AND DATA	1/4" = 1'-0"		X	X	X	X
A-420.00	20TH FLOOR PLAN POWER AND DATA	1/4" = 1'-0"		X	X	X	X
A-421.00	21ST FLOOR PLAN POWER AND DATA	1/4" = 1'-0"		X	X	X	X
A-422.00	22ND-24TH FLOR PLAN POWER AND DATA	1/4" = 1'-0"		X	X	X	X
A-425.00	25TH FLOOR PLAN POWER AND DATA	1/4" = 1'-0"		X	X	X	X
A-426.00	26TH FLOOR PLAN POWER AND DATA	1/4" = 1'-0"		X	X	X	X
A-427.00	MECHANICAL LEVEL 1 POWER AND DATA	1/4" = 1'-0"		X	X	X	X
A-428.00	MECHANICAL LEVEL 2 POWER AND DATA	1/4" = 1'-0"		X	X	X	X
A-429.00	ROOF PLAN POWER AND DATA	1/4" = 1'-0"		X	X	X	X
A-501.00	NORTH (FRONT) ELEVATION	3/32" = 1'-0"	X	X	X	X	X
A-502.00	SOUTH (REAR) ELEVATION	3/32" = 1'-0"	X	X	X	X	X
A-503.00	EAST (SIDE) ELEVATION	3/32" = 1'-0"	X	X	X	X	X
A-504.00	WEST (SIDE) ELEVATION	3/32" = 1'-0"	X	X	X	X	X
A-505.00	BUILDING SECTION	3/32" = 1'-0"	X	X	X	X	X
A-506.00	BUIDLING SECTION	3/32" = 1'-0"	X	X	X	X	X
A-507.00	BUILDING SECTION	3/32" = 1'-0"	X	X	X	X	X
A-508.00	BUILDING SECTION	3/32" = 1'-0"	X	X	X	X	X
A-509.00	BUILDING SECTION AT RESTAURANT (PARTIAL)	1/4"=1'-0"	X	X	X	X	X
A-509A.00	BUILDING SECTION AT HOTEL LOBBY (PARTIAL)	1/4"=1'-0"				X	X
A-510.00	WALL SECTION	AS NOTED	X	X	X	X	X
A-511.00	WALL SECTION	AS NOTED	X	X	X	X	X
A-512.00	EXTERIOR WALL DETAILS & REAR TERRACE SECTION	AS NOTED	X	X	X	X	X
A-513.00	EXTERIOR WALL PLAN DETAILS	AS NOTED	X	X	X	X	X
A-514.00	EXTERIOR WALL PLAN DETAILS	AS NOTED	X	X	X	X	X
A-515.00	CANOPY PLAN, ELEVATIONS & DETAILS	AS NOTED				X	X
A-516.00	CANOPY PLAN, ELEVATIONS & DETAILS	AS NOTED				X	X
A-516.00	ELEVATOR PLANS AND SECTION	AS NOTED		X	X		
A-517.00	ELEVATOR DETAILS	AS NOTED		X	X		
A-520.00	STREET WALL ANALYSIS	AS NOTED		X	X	X	X
A-521.00	ELEVATIONS DETAILS	AS NOTED					X
A-522.00	ENLARGED ELEVATIONS	AS NOTED					X
A-530.00	INTERIOR ELEVATIONS (LOBBY/RESTAURANT)	AS NOTED	X	X	X	X	X
A-531.00	INTERIOR ELEVATIONS & DETAILS	AS NOTED	X	X	X	X	X
A-532.00	INTERIOR ELEVATIONS CELLAR	AS NOTED	X	X	X	X	X
A-533.00	INTERIOR ELEVATIONS CELLAR	AS NOTED	X	X	X	X	X
A-540.00	ROOF DETAILS	AS NOTED	X	X	X	X	X
A-540.00	ROOF DETAILS	AS NOTED					X
A-601.00	STAIR "B" PLANS & SECTIONS	AS NOTED	X	X	X	X	X
A-602.00	STAIR "A" PLANS, SECTIONS & TYP. DETAILS	AS NOTED	X	X	X	X	X
A-603.00	STAIR "C" AND "D" PLANS & SECTIONS	AS NOTED	X	X	X	X	X
A-604.00	ELEVATOR 1, 2 & 3 PLANS & ELEVATIONS	AS NOTED					X
A-605.00	ELEVATOR DETAILS	AS NOTED					X
A-606.00	LINENE CHUTE PLAN AND SECTION DETAILS	AS NOTED		X	X	X	X
A-607.00	ADA GUESTROOM BATHROOM ENLARGED PLANS	AS NOTED					X
A-800.00	PARTITION TYPES	AS NOTED	X	X	X	X	X
A-801.00	CEILING DETAILS	AS NOTED	X	X	X	X	X
A-900.00	DOOR SCHEDULE	AS NOTED	X	X	X	X	X
A-901.00	DOOR AND FRAME DETAILS	AS NOTED	X	X	X	X	X
A-902.00	DOOR HEAD, JAMB AND SILL DETAILS	AS NOTED	X	X	X	X	X
A-903.00	WINDOW SCHEDULE	NA	X	X	X	X	X
MECHANICAL							
M-000.00	MECHANICAL DRAWING LIST	NTS				X	X
M-001.00	MECHANICAL SYMBOL LIST AND ABBREVIATIONS	NTS				X	X
M-002.00	MECHANICAL SCOPE OF WORK # 1	NTS				X	X
M-003.00	MECHANICAL SCOPE OF WORK # 2	NTS				X	X
M-004.00	MECHANICAL SCOPE OF WORK # 3	NTS				X	X
M-300.00	MECHANICAL CELLAR FLOOR PLAN	1/4" = 1'-0"				X	X
M-301.00	MECHANICAL FIRST FLOOR PLAN	1/4" = 1'-0"				X	X
M-302.00	MECHANICAL 2ND FLOOR PLAN	1/4" = 1'-0"				X	X
M-303.00	MECHANICAL 3RD FLOOR PLAN	1/4" = 1'-0"				X	X
M-304.00	MECHANICAL 4TH FLOOR PLAN	1/4" = 1'-0"				X	X
M-305.00	MECHANICAL 5TH FLOOR PLAN	1/4" = 1'-0"				X	X
M-306.00	MECHANICAL 6TH FLOOR PLAN	1/4" = 1'-0"				X	X
M-307.00	MECHANICAL 7TH FLOOR PLAN	1/4" = 1'-0"				X	X
M-308.00	MECHANICAL 8TH & 9TH FLOOR PLAN	1/4" = 1'-0"				X	X
M-310.00	MECHANICAL 10TH FLOOR PLAN	1/4" = 1'-0"				X	X
M-311.00	MECHANICAL 11TH & 12TH FLOOR PLAN	1/4" = 1'-0"				X	X
M-313.00	MECHANICAL 13TH - 15TH FLOOR PLAN	1/4" = 1'-0"				X	X
M-316.00	MECHANICAL 16TH-18TH FLOOR PLAN	1/4" = 1'-0"				X	X
M-319.00	MECHANICAL 19TH FLOOR PLAN	1/4" = 1'-0"				X	X
M-320.00	MECHANICAL 20TH FLOOR PLAN	1/4" = 1'-0"				X	X
M-321.00	MECHANICAL 21TH FLOOR PLAN	1/4" = 1'-0"				X	X
M-322.00	MECHANICAL 22ND & 24TH FLOOR PLAN	1/4" = 1'-0"				X	X
M-325.00	MECHANICAL 25TH FLOOR PLAN	1/4" = 1'-0"				X	X
M-326.00	MECHANICAL 26TH FLOOR PLAN	1/4" = 1'-0"				X	X
M-327.00	MECHANICAL PENTHOUSE 1 PLAN	1/4" = 1'-0"				X	X
M-328.00	MECHANICAL PENTHOUSE 2 PLAN	1/4" = 1'-0"				X	X
M-329.00	MECHANICAL ROOF PLAN	1/4" = 1'-0"				X	X
M-330.00	MECHANICAL FIRST FLOOR RADIANT FLOOR PIPING PLAN	1/4" = 1'-0"				X	X
M-400.00	MECHANICAL SECTIONS SHEET #1	NTS				X	X
M-401.00	MECHANICAL SECTIONS SHEET #2	NTS				X	X
M-500.00	MECHANICAL AIR RISER DIAGRAM LOWER LEVEL	NTS				X	X
M-501.00	MECHANICAL AIR RISER DIAGRAM UPPER LEVEL	NTS				X	X
M-502.00	MECHANICAL HEAT PUMP AND MICROTURBINE FLOW DIAGRAM LOWER LEVEL	NTS				X	X
M-503.00	MECHANICAL HEAT PUMP AND MICROTURBINE FLOW DIAGRAM UPPER LEVEL	NTS				X	X
M-504.00	MECHANICAL FUEL OIL FLOW DIAGRAM	NTS				X	X
M-505.00	MECHANICAL STAIRWELL AND ELEVATOR PRESSURIZATION RISER DIAGRAM	NTS				X	X
M-600.00	MECHANICAL DETAIL SHEET # 1	NTS				X	X
M-601.00	MECHANICAL DETAIL SHEET # 2	NTS				X	X
M-602.00	MECHANICAL DETAIL SHEET # 3	NTS				X	X
M-603.00	MECHANICAL DETAIL SHEET # 4	NTS				X	X
M-604.00	MECHANICAL DETAIL SHEET # 5	NTS				X	X

DWG No.	DRAWING NAME	SCALE	20140431: 50% CD SUBMISSION	20140604: 80% CD SUBMISSION	2014-07-18: 90% CD SUBMISSION	2014-07-18: ISSUED FOR JOINT VENTURE	2014-10-08: ISSUED FOR CONSTRUCTION
M-605.00	MECHANICAL DETAIL SHEET # 6	NTS			X	X	X
M-606.00	MECHANICAL DETAIL SHEET # 7	NTS			X	X	X
M-700.00	MECHANICAL SCHEDULE SHEET #1	NTS			X	X	X
M-701.00	MECHANICAL SCHEDULE SHEET #2	NTS			X	X	X
M-702.00	MECHANICAL SCHEDULE SHEET #3	NTS			X	X	X
M-703.00	MECHANICAL SCHEDULE SHEET #4	NTS			X	X	X
M-704.00	MECHANICAL SCHEDULE SHEET #5	NTS			X	X	X
M-800.00	MECHANICAL SEQUENCE OF OPERATIONS SHEET #1	NTS			X	X	X
M-801.00	MECHANICAL SEQUENCE OF OPERATIONS SHEET #2	NTS			X	X	X
EN-001.00	MECHANICAL ENERGY CODE COMPLIANCE SHEET #1	NTS			X	X	X
EN-002.00	MECHANICAL ENERGY CODE COMPLIANCE SHEET #2	NTS			X	X	X
ELECTRICAL							
E-000	ELECTRICAL DRAWING LIST	NTS			X	X	X
E-001	ELECTRICAL LEGEND, SYMBOLS, & ABBREVIATIONS	NTS			X	X	X
E-002	ELECTRICAL SCOPE OF WORK	NTS			X	X	X
E-003	ELECTRICAL FRONT OF HOUSE LIGHTING FIXTURE SCHEDULE AND ATS PRIORITY SCHEDULE	NTS			X	X	X
E-004	ELECTRICAL BACK OF HOUSE LIGHTING FIXTURE SCHEDULE	NTS			X	X	X
E-100	ELECTRICAL CELLAR FLOOR PLAN POWER	1/4" = 1'-0"			X	X	X
E-101	ELECTRICAL GROUND FLOOR PLAN POWER	1/4" = 1'-0"			X	X	X
E-102	ELECTRICAL 2ND FLOOR PLAN POWER	1/4" = 1'-0"			X	X	X
E-103	ELECTRICAL 3RD FLOOR PLAN POWER	1/4" = 1'-0"			X	X	X
E-104	ELECTRICAL 4TH FLOOR PLAN POWER	1/4" = 1'-0"			X	X	X
E-105	ELECTRICAL 5TH FLOOR PLAN POWER	1/4" = 1'-0"			X	X	X
E-106	ELECTRICAL 6TH FLOOR PLAN POWER	1/4" = 1'-0"			X	X	X
E-107	ELECTRICAL 7TH FLOOR PLAN POWER	1/4" = 1'-0"			X	X	X
E-108	ELECTRICAL 8TH-9TH FLOOR PLAN POWER	1/4" = 1'-0"			X	X	X
E-110	ELECTRICAL 10TH FLOOR PLAN POWER	1/4" = 1'-0"			X	X	X
E-111	ELECTRICAL 11TH-12TH FLOOR PLAN POWER	1/4" = 1'-0"			X	X	X
E-113	ELECTRICAL 13TH-15TH FLOOR PLAN POWER	1/4" = 1'-0"			X	X	X
E-116	ELECTRICAL 16TH-18TH FLOOR PLAN POWER	1/4" = 1'-0"			X	X	X
E-119	ELECTRICAL 19TH FLOOR PLAN POWER	1/4" = 1'-0"			X	X	X
E-120	ELECTRICAL 20TH FLOOR PLAN POWER	1/4" = 1'-0"			X	X	X
E-121	ELECTRICAL 21ST FLOOR PLAN POWER	1/4" = 1'-0"			X	X	X
E-122	ELECTRICAL 22ND-24TH FLOOR PLAN POWER	1/4" = 1'-0"			X	X	X
E-125	ELECTRICAL 25TH FLOOR PLAN POWER	1/4" = 1'-0"			X	X	X
E-126	ELECTRICAL 26TH FLOOR PLAN POWER	1/4" = 1'-0"			X	X	X
E-127	ELECTRICAL PENTHOUSE 1 FLOOR PLAN POWER	1/4" = 1'-0"			X	X	X
E-128	ELECTRICAL PENTHOUSE 2 FLOOR PLAN POWER	1/4" = 1'-0"			X	X	X
E-129	ELECTRICAL UPPER ROOF PLAN POWER	1/4" = 1'-0"			X	X	X
E-200	ELECTRICAL CELLAR FLOOR PLAN LIGHTING	1/4" = 1'-0"			X	X	X
E-201	ELECTRICAL GROUND FLOOR PLAN LIGHTING	1/4" = 1'-0"			X	X	X
E-202	ELECTRICAL 2ND FLOOR PLAN LIGHTING	1/4" = 1'-0"			X	X	X
E-203	ELECTRICAL 3RD FLOOR PLAN LIGHTING	1/4" = 1'-0"			X	X	X
E-204	ELECTRICAL 4TH FLOOR PLAN LIGHTING	1/4" = 1'-0"			X	X	X
E-205	ELECTRICAL 5TH FLOOR PLAN LIGHTING	1/4" = 1'-0"			X	X	X
E-206	ELECTRICAL 6TH FLOOR PLAN LIGHTING	1/4" = 1'-0"			X	X	X
E-207	ELECTRICAL 7TH FLOOR PLAN LIGHTING	1/4" = 1'-0"			X	X	X
E-208	ELECTRICAL 8TH-9TH FLOOR PLAN LIGHTING	1/4" = 1'-0"			X	X	X
E-210	ELECTRICAL 10TH FLOOR PLAN LIGHTING	1/4" = 1'-0"			X	X	X
E-211	ELECTRICAL 11TH-12TH FLOOR PLAN LIGHTING	1/4" = 1'-0"			X	X	X
E-213	ELECTRICAL 13TH-15TH FLOOR PLAN LIGHTING	1/4" = 1'-0"			X	X	X
E-216	ELECTRICAL 16TH-18TH FLOOR PLAN LIGHTING	1/4" = 1'-0"			X	X	X
E-219	ELECTRICAL 19TH FLOOR PLAN LIGHTING	1/4" = 1'-0"			X	X	X
E-220	ELECTRICAL 20TH FLOOR PLAN LIGHTING	1/4" = 1'-0"			X	X	X
E-221	ELECTRICAL 21ST FLOOR PLAN LIGHTING	1/4" = 1'-0"			X	X	X
E-222	ELECTRICAL 22ND-24TH FLOOR PLAN LIGHTING	1/4" = 1'-0"			X	X	X
E-225	ELECTRICAL 25TH FLOOR PLAN LIGHTING	1/4" = 1'-0"			X	X	X
E-226	ELECTRICAL 26TH FLOOR PLAN LIGHTING	1/4" = 1'-0"			X	X	X
E-227	ELECTRICAL PENTHOUSE 1 FLOOR PLAN LIGHTING	1/4" = 1'-0"			X	X	X
E-228	ELECTRICAL PENTHOUSE 2 FLOOR PLAN LIGHTING	1/4" = 1'-0"			X	X	X
E-215	ELECTRICAL UPPER ROOF PLAN LIGHTING	1/4" = 1'-0"			X	X	X
E-400	ELECTRICAL FRONT LOBBY ELEVATIONS DETAILS SHEET #1	NTS			X	X	X
E-500	ELECTRICAL POWER RISER DIAGRAM #1	NTS			X	X	X
E-501	ELECTRICAL POWER RISER DIAGRAM #2	NTS			X	X	X
E-600	ELECTRICAL SCHEDULE SHEET # 1	NTS			X	X	X
E-601	ELECTRICAL SCHEDULE SHEET # 2	NTS			X	X	X
E-602	ELECTRICAL SCHEDULE SHEET # 3	NTS			X	X	X
E-603	ELECTRICAL SCHEDULE SHEET # 4	NTS			X	X	X
E-604	ELECTRICAL SCHEDULE SHEET # 5	NTS			X	X	X
E-605	ELECTRICAL LIGHTING PANEL SHEET	NTS			X	X	X
E-700	ELECTRICAL DETAILS SHEET # 1	NTS			X	X	X
E-701	ELECTRICAL DETAILS SHEET # 2	NTS			X	X	X
E-702	ELECTRICAL DETAILS SHEET # 3	NTS			X	X	X
EN-003	ELECTRICAL ENERGY CODE COMPLIANCE SHEET #1	NTS			X	X	X
FIRE ALARM							
FA-000	FIRE ALARM DRAWING LIST, SYMBOLS & ABBREVIATIONS, AND MATRIX	NTS			X	X	X
FA-300	FIRE ALARM CELLAR FLOOR PLAN	1/4" = 1'-0"			X	X	X
FA-301	FIRE ALARM GROUND FLOOR PLAN	1/4" = 1'-0"			X	X	X
FA-302	FIRE ALARM 2ND FLOOR PLAN	1/4" = 1'-0"			X	X	X
FA-303	FIRE ALARM 3RD FLOOR PLAN	1/4" = 1'-0"			X	X	X
FA-304	FIRE ALARM 4TH FLOOR PLAN	1/4" = 1'-0"			X	X	X
FA-305	FIRE ALARM 5TH FLOOR PLAN	1/4" = 1'-0"			X	X	X
FA-306	FIRE ALARM 6TH FLOOR PLAN	1/4" = 1'-0"			X	X	X
FA-307	FIRE ALARM 7TH FLOOR PLAN	1/4" = 1'-0"			X	X	X
FA-308	FIRE ALARM 8TH-9TH FLOOR PLAN	1/4" = 1'-0"			X	X	X
FA-310	FIRE ALARM 10TH FLOOR PLAN	1/4" = 1'-0"			X	X	X
FA-311	FIRE ALARM 11TH-12TH FLOOR PLAN	1/4" = 1'-0"			X	X	X
FA-313	FIRE ALARM 13TH-15TH FLOOR PLAN	1/4" = 1'-0"			X	X	X
FA-316	FIRE ALARM 16TH-18TH FLOOR PLAN	1/4" = 1'-0"			X	X	X
FA-319	FIRE ALARM 19TH FLOOR PLAN	1/4" = 1'-0"			X	X	X
FA-320	FIRE ALARM 20TH FLOOR PLAN	1/4" = 1'-0"			X	X	X
FA-321	FIRE ALARM 21ST FLOOR PLAN	1/4" = 1'-0"			X	X	X
FA

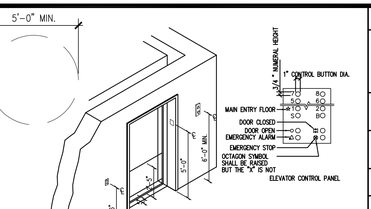


CLEAR WIDTH OF ACCESSIBLE ROUTE

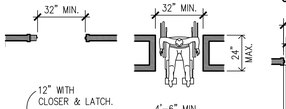
SIZE OF CLEAR FLOOR SPACE



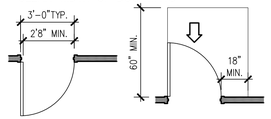
SIZE OF TURNING SPACE

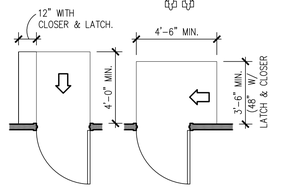


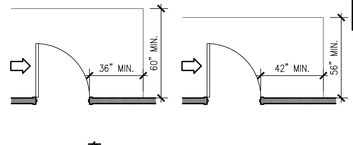
CLEARANCE AT DOORWAYS W/O DOORS

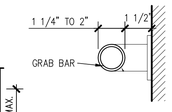


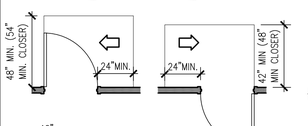
CLEAR WIDTH OF DOORWAYS

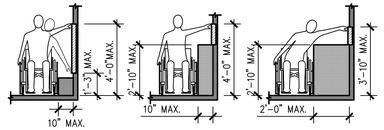




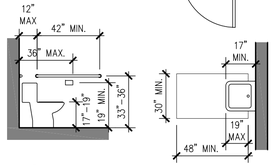


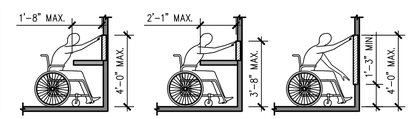




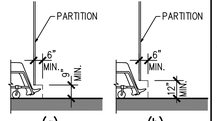


SIDE REACH RANGES



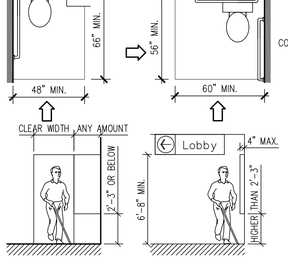


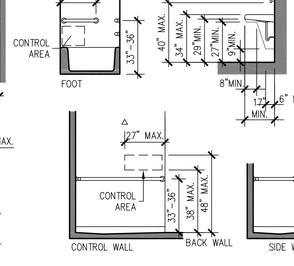
FORWARD REACH RANGES

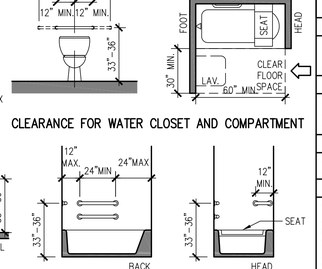


(a) ELEVATION ADULT

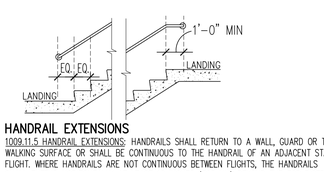
(b) ELEVATION CHILDREN

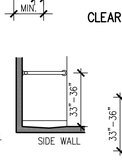






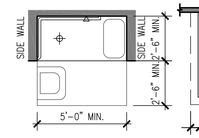
CLEARANCE FOR WATER CLOSET AND COMPARTMENT



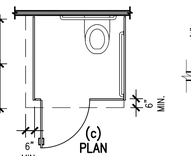


HANDRAIL EXTENSIONS

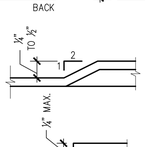
1009.11.5 HANDRAIL EXTENSIONS: HANDRAILS SHALL RETURN TO A WALL, GUARD OR THE WALKING SURFACE OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT. WHERE HANDRAILS ARE NOT CONTINUOUS BETWEEN FLIGHTS, THE HANDRAILS SHALL EXTEND HORIZONTALLY AT LEAST 12 INCHES (305 MM) BEYOND THE TOP RISER AND CONTINUE TO SLOPE FOR THE DEPTH OF ONE TREAD BEYOND THE BOTTOM RISER.



CLEARANCE FOR SHOWERS



WHEELCHAIR ACCESSIBLE COMPARTMENT TOE CLEARANCE



CHANGES IN LEVEL

1107.6 GROUP R: OCCUPANCIES IN GROUP R SHALL BE PROVIDED WITH ACCESSIBLE FEATURES IN ACCORDANCE WITH SECTIONS 1107.6.1 THROUGH 1107.6.3.
1107.6.1 GROUP R-1 OCCUPANCIES SHALL BE PROVIDED WITH ACCESSIBLE FEATURES IN ACCORDANCE WITH SECTIONS 1107.6.1.1 THROUGH 1107.6.1.3.
EXCEPTION: BOARDING HOUSES, DORMITORIES, FRATERNITY HOUSES AND SORORITY HOUSES SHALL COMPLY WITH SECTION 1107.6.1.4.

1107.6.1.1 ACCESSIBLE UNITS. IN OCCUPANCIES IN GROUP R-1, ACCESSIBLE DWELLING UNITS AND SLEEPING UNITS SHALL BE PROVIDED IN ACCORDANCE WITH TABLE 1107.6.1.1. ALL FACILITIES ON A SITE SHALL BE CONSIDERED TO DETERMINE THE TOTAL NUMBER OF ACCESSIBLE UNITS. ACCESSIBLE UNITS SHALL BE DISPERSED AMONG THE VARIOUS CLASSES OF UNITS. ROLL-IN SHOWERS PROVIDED IN ACCESSIBLE UNITS SHALL INCLUDE A PERMANENTLY MOUNTED FOLDING SHOWER SEAT. IN ADDITION, REQUIRED ACCESSIBLE UNITS IN OCCUPANCIES IN GROUP R-1 SHALL COMPLY WITH THE FOLLOWING:

WHERE HARD WIRING OF AUDIBLE AND VISUAL SMOKE DETECTORS AND/OR CARBON MONOXIDE DETECTORS IS NOT REQUIRED TO BE PROVIDED BY CHAPTER 9, PORTABLE SMOKE AND/OR CARBON MONOXIDE DETECTORS WITH BOTH AUDIBLE AND VISUAL FEATURES SHALL BE AVAILABLE FOR A MINIMUM OF 3 PERCENT OF THE TOTAL NUMBER OF DWELLING AND SLEEPING UNITS, OR FRACTION THEREOF, BUT NOT FEWER THAN ONE. SUCH DETECTORS SHALL HAVE A FLASH FREQUENCY RANGE OF 60 TO 120 FLASHES PER MINUTE. WHERE THE AVERAGE ILLUMINATION LEVEL WITH MOTION PRESENT IS MORE THAN 20 LUMENS PER SQUARE FOOT, THE VISIBLE SIGNALING APPLIANCE SHALL HAVE AN EFFECTIVE INTENSITY RATING BETWEEN 100 AND 1000 CANDELA. A SIGN WITH A MINIMUM HEIGHT OF 3 INCHES (76 MM) SHALL BE POSTED AT THE MAIN DESK OR OTHER EQUIVALENT LOCATIONS INDICATING THE AVAILABILITY OF SUCH DETECTORS.

ANSI A117.1 (2009):
1006.5 UNIT PRIMARY ENTRANCE. COMMUNICATION FEATURE SHALL BE PROVIDED AT THE UNIT PRIMARY ENTRANCE COMPLYING WITH SECTION 1006.5.
1006.5.1 NOTIFICATION. A HARD-WIRED ELECTRIC DOORBELL SHALL BE PROVIDED. A BUTTON OR SWITCH SHALL BE PROVIDED ON THE PUBLIC SIDE OF THE UNIT PRIMARY ENTRANCE. ACTIVATION OF THE BUTTON OR SWITCH SHALL INITIATE AN AUDIBLE TONE WITHIN THE UNIT.
1006.5.2 IDENTIFICATION. A MEANS FOR VISUALLY IDENTIFYING A VISITOR WITHOUT OPENING THE UNIT ENTRY DOOR SHALL BE PROVIDED. PEEPHOLES, WHERE USED, SHALL PROVIDE A MINIMUM 180-DEGREE RANGE OF VIEW.

TABLE 1107.6.1.1 ACCESSIBLE DWELLING AND SLEEPING UNITS

TOTAL NUMBER OF UNITS PROVIDED	MINIMUM REQUIRED NUMBER OF ACCESSIBLE UNITS ASSOCIATED WITH ROLL-IN SHOWERS	TOTAL NUMBER OF REQUIRED ACCESSIBLE UNITS
1 to 25	0	1
26 to 49	0	2
50 to 75	1	4
76 to 100	1	5
101 to 149	2	7
150 and over	1% of total*	5% of total*

* Where determination by percentage results in a number containing a decimal of 0.5 or more, the next higher number shall be used.

TABLE 907.9.1.3 VISIBLE AND AUDIBLE ALARMS

NUMBER OF DWELLING UNITS	DWELLING UNITS WITH VISIBLE AND AUDIBLE ALARMS
201 to 300	17

ACCESSIBLE GUESTROOM ANALYSIS

	CALCULATIONS	PROVIDED	COMPLIES
TOTAL GUESTROOMS	251		
ROLL-IN-SHOWERS 1% OF TOTAL	251 x.01 =2.54	6	YES
TOTAL NUMBER OF ACCESSIBLE UNITS	251 x.05 =12.55=13	7	YES

6 / 13 / 2011 21375-TITLE-300423.DWG Plotted: 10 / 8 / 2014 by/et: [21362-1B-24X36 -008]

2008 NEW YORK CITY BUILDING CODE COMPLIANCE

- TABLE 503 [BC 503]: ALLOWABLE HEIGHT AND BUILDING AREAS
  CONSTRUCTION COMPLIES WITH OCCUPANCY GROUP R-1 / TYPE 1B CONSTRUCTION OF UNLIMITED HEIGHT AND AREA LIMITATIONS.
- TABLE 508.2 [BC 508]: INCIDENTAL USE AREAS
  ITEMS COMPLYING LISTED BELOW. ITEMS NOT LISTED BELOW ARE NOT APPLICABLE.

ROOM OR AREA ROOMS WITH ANY BOILER OVER 15PSI AND 10 HORSEPOWER	SEPARATION 2-HR, OR 1-HR AND PROVIDE AUTOMATIC FIRE-EXTINGUISHING SYSTEM
MECHANICAL AND/OR ELECTRICAL EQUIPMENT ROOM, EXCEPT R-3 OCCUPANCY	1-HR OR PROVIDE AUTOMATIC SPRINKLER SYSTEM
LAUNDRY ROOMS OVER 100 SF, EXCEPT WITHIN DWELLING UNITS	1-HR OR PROVIDE AUTOMATIC FIRE-EXTINGUISHING SYSTEM
STORAGE ROOMS OVER 100 SF, EXCEPT IN R-3 OCCUPANCY	1-HR OR PROVIDE AUTOMATIC FIRE-EXTINGUISHING SYSTEM
WASTE AND LINEN COLLECTION ROOMS OVER 100 SF	1-HR OR PROVIDE AUTOMATIC FIRE-EXTINGUISHING SYSTEM
ROOMS UTILIZING THE ELECTRICAL INSTALLATION STANDARDS FOR "INFORMATION TECHNOLOGY ROOMS" AS PER SECTION 645.1 OF THE NEW YORK CITY ELECTRICAL CODE	AS MAY BE REQUIRED BY THE NEW YORK CITY ELECTRICAL CODE

- TABLE 601: FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS
  COMPLIES WITH 2-HR RATING FOR TYPE 1B CONSTRUCTION OF BUILDING STRUCTURAL FRAME, BEARING WALLS, AND FLOOR CONSTRUCTION. ROOF CONSTRUCTION COMPLIES WITH 1-HR RATING.
- TABLE 602: FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE
  COMPLIES WITH OCCUPANCY R-1, TYPE 1B CONSTRUCTION FOR EXTERIOR WALLS TO BE SEPARATED AT ≥10 TO<30 FT WITH 1-HR RATING.
- TABLE 704.8 [BC 704]: MAXIMUM AREA OF EXTERIOR WALL OPENINGS
  THE MAXIMUM AREA OF UNPROTECTED OR PROTECTED OPENINGS PERMITTED IN AN EXTERIOR WALL SEPARATED AT DISTANCE GREATER THAN 30 FT IS NOT LIMITED.
- TABLE 705.4 [BC 705]: FIRE WALL FIRE-RESISTANCE RATINGS
  USE OF FIRE WALLS IS NOT APPLICABLE IN THIS PROJECT.
- TABLE 706.3.7 [BC 706]: FIRE WALL FIRE-RESISTANCE RATINGS FOR FIRE BARRIER ASSEMBLIES
  COMPLIES WITH 2-HR RATING FOR OCCUPANCY GROUP R.
- TABLE 715.3 [BC 715]: FIRE DOOR AND FIRE SHUTTER FIRE PROTECTION RATINGS
  COMPLIES WITH ITEMS LISTED BELOW. ITEMS NOT LISTED ARE NOT APPLICABLE.

TYPE OF ASSEMBLY	REQUIRED ASSEMBLY (HOURS)	MINIMUM FIRE DOOR & FIRE SHUTTER ASSEMBLY RATING (HOURS)
FIRE WALLS AND FIRE BARRIERS HAVING A REQUIRED FIRE-RESISTANCE RATING GREATER THAN 1-HR	2	1 1/2
EXTERIOR WALLS	2	1 1/2

- BC 907.2.8.3
  SMOKE DETECTORS AND AUDIBLE NOTIFICATION APPLIANCES SHALL BE INSTALLED IN DWELLING UNITS AND SHALL BE ANNUNCIATED BY DWELLING UNIT AT A CONSTANTLY ATTENDED LOCATION FROM WHICH THE FIRE ALARM SYSTEM IS CAPABLE OF BEING MANUALLY ACTIVATED.
  1) IN SLEEPING AREAS.
  2) IN EVERY ROOM IN THE PATH OF THE MEANS OF EGRESS FROM THE SLEEPING AREA TO THE DOOR LEADING TO THE DWELLING UNIT.
  NFPA 72 NATIONAL FIRE ALARM CODE 5.7.3.2.3(A) & (E):
  SPOT-TYPE SMOKE DETECTORS SPACING OF 30' SHALL BE PERMITTED. ALL POINTS ON THE CEILING SHALL HAVE A DETECTOR WITHIN A DISTANCE EQUAL TO 0.7 TIMES THE SELECTED SPACING.
- BC 1004.1
  THE NUMBER OF OCCUPANTS FOR WHOM MEANS OF EGRESS FACILITIES SHALL BE PROVIDED SHALL BE ESTABLISHED BY LARGEST NUMBER COMPUTED IN ACCORDANCE WITH SECTIONS 1004.1.1 THROUGH 1004.1.3
  ALL OCCUPANTS CALCULATIONS ARE SHOWN ON EACH FLOOR PLAN.

ENERGY CODE STATEMENT

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2010 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

SPECIAL INSPECTIONS

• WALL PANELS, CURTAIN WALLS,AND VENEERS	BC 1704.10
• ALTERNATIVE MATERIALS- OTCR BUILDINGS BULLETIN	BC 1704.15
• FIRESTOP, DRAFTSTOP, AND FIREBLOCK SYSTEM	BC 1704.25

PROGRESS INSPECTIONS

• ENERGY CODE COMPLIANCE INSPECTION	BC 109.3.5
• FIRE-RESISTANCE RATED CONSTRUCTION	BC 109.3.4

SECTION BC 907 FIRE ALARM AND DETECTION SYSTEMS

907.2.12 HIGH-RISE BUILDINGS: BUILDINGS CONSTRUCTED IN ACCORDANCE WITH SECTION 403 AND HAVING FLOORS USED FOR HUMAN OCCUPANCY LOCATED MORE THAN 75 FEET (22 860 MM) ABOVE THE LOWEST LEVEL OF FIRE DEPARTMENT VEHICLE ACCESS SHALL BE PROVIDED WITH AUTOMATIC FIRE DETECTION CONNECTED TO AN AUTOMATIC FIRE ALARM SYSTEM IN ACCORDANCE WITH SECTION 907.2.12.1 AND AN EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM IN ACCORDANCE WITH SECTION 907.2.12.2.

ENERGY CODE PROGRESS INSPECTIONS

IA	ENVELOPE INSPECTIONS	FREQUENCY (MINIMUM)	REFERENCE STANDARD (SEE ECC CHAPTER 6) OR OTHER CRITERIA	ECC OR OTHER CITATION
IA1	PROTECTION OF EXPOSED FOUNDATION INSULATION: INSULATION SHALL BE VISUALLY INSPECTED TO VERIFY PROPER PROTECTION WHERE APPLIED TO THE EXTERIOR OF BASEMENT OR CELLAR WALLS, CRAWL-SPACE WALLS AND/OR THE PERIMETER OF SLAB-ON-GRADE FLOORS.	PRIOR TO BACK-FILL	APPROVED CONSTRUCTION DOCUMENTS	303.2.1
IA2	INSULATION PLACEMENT AND R-VALUES: INSTALLED INSULATION FOR EACH COMPONENT OF THE CONDITIONED SPACE ENVELOPE AND AT JUNCTIONS BETWEEN COMPONENTS SHALL BE VISUALLY INSPECTED TO ENSURE THAT THE R-VALUES ARE MARKED, THAT SUCH R-VALUES CONFORM TO THE R-VALUES IDENTIFIED IN THE CONSTRUCTION DOCUMENTS AND THAT THE INSULATION IS PROPERLY INSTALLED. CERTIFICATIONS FOR UNMARKED INSULATION SHALL BE SIMILARLY VISUALLY INSPECTED.	AS REQUIRED TO VERIFY CONTINUOUS ENCLOSURE. WHILE WALLS, CEILINGS AND FLOORS ARE OPEN	APPROVED CONSTRUCTION DOCUMENTS	303.1.1, 303.1.1.1, 303.1.2, 402.1, 402.2, 402.4.2.2, TABLE 402.4.2
IA3	FENESTRATION THERMAL VALUES AND PRODUCT RATINGS: U-FACTORS OF INSTALLED FENESTRATION SHALL BE VERIFIED BY VISUAL INSPECTION FOR CONFORMANCE WITH THE U-FACTORS IDENTIFIED IN THE CONSTRUCTION DRAWINGS, EITHER BY VERIFYING THE MANUFACTURER'S NFRC LABELS OR, WHERE NOT LABELED, USING THE RATINGS IN ECC TABLES 303.1.3(1) AND (2).	AS REQUIRED DURING INSTALL.	APPROVED CONSTRUCTION DRAWINGS;NFRC 100	303.1, 303.1.3, 402.1, 402.3, 402.6
IA4	FENESTRATION PRODUCT RATINGS FOR AIR LEAKAGE: WINDOWS, SKYLIGHTS AND SLIDING GLASS DOORS, EXCEPT SITE-BUILT WINDOWS, SKYLIGHTS AND DOORS, SHALL BE VISUALLY INSPECTED TO VERIFY THAT INSTALLED ASSEMBLIES ARE LISTED AND LABELED TO THE REFERENCED STANDARD.	AS REQUIRED DURING INSTALL.	NFRC 400, AAMA/WDMA/CSA 101/I.S.2/A440	402.4.4
IA5	FENESTRATION AREAS: DIMENSIONS OF WINDOWS, DOORS AND SKYLIGHTS SHALL BE VERIFIED BY VISUAL INSPECTION.	PRIOR TO FINAL CONSTR. INSPECTION	APPROVED CONSTRUCTION DOCUMENTS	402.4.1, 402.4.2.2, 402.4.3
IA6	AIR SEALING AND INSULATION – VISUAL INSPECTION OPTION: OPENINGS AND PENETRATIONS IN THE BUILDING ENVELOPE, INCLUDING SITE-BUILT FENESTRATION AND DOORS, SHALL BE VISUALLY INSPECTED TO VERIFY THAT THEY ARE PROPERLY SEALED, IN ACCORDANCE WITH TABLE 402.4.2.	PRIOR TO FINAL CONSTR. INSPECTION	APPROVED CONSTRUCTION DOCUMENTS	402.3, 402.6
IA6	AIR SEALING AND INSULATION – TESTING OPTION: TESTING SHALL BE PERFORMED IN ACCORDANCE WITH SECTION ECC 402.4.2.1 AND SHALL BE ACCEPTED IF THE BUILDING MEETS THE REQUIREMENTS DETAILED IN SUCH SECTION. TEST RESULTS SHALL BE RETAINED IN ACCORDANCE WITH THE PROVISIONS OF TITLE 28.	PRIOR TO FINAL CONSTR. INSPECTION	ASHRAE/ASTM E779; ANSI Z65; APPROVED CONSTRUCTION DOCUMENTS	402.4.2.1
IIA9	BUILDING ENTRANCE VESTIBULES: REQUIRED ENTRANCE VESTIBULES SHALL BE VISUALLY INSPECTED FOR PROPER OPERATION.	PRIOR TO FINAL CONSTR. INSPECTION	APPROVED CONSTRUCTION DOCUMENTS	502.4.6; ASHRAE 90.1 – 5.4.3.4

LIST OF SEPARATE APPLICATIONS

FIRE ALARM ---------- SEPARATE APPLICATION
FIRE SAFETY PLAN ---------- SEPARATE APPLICATION
SPRINKLER SYSTEM ---------- SEPARATE APPLICATION
BUILDERS PAVEMENT PLAN---------- SEPARATE APPLICATION
ANSUL SYSTEM---------- SEPARATE APPLICATION
VENT HOOD---------- SEPARATE APPLICATION
KITCHEN EQUIPMENT ---------- SEPARATE APPLICATION
TRANSFORMER VAULT ---------- SEPARATE APPLICATION
UNDERPINNING, SHEETING AND SHORING---------- SEPARATE APPLICATION
ELEVATORS ---------- SEPARATE APPLICATION
PLACE OF ASSEMBLY ---------- SEPARATE APPLICATION
BOILER---------- SEPARATE APPLICATION
EMERGENCY GENERATOR ---------- SEPARATE APPLICATION
TEMPORARY FENCE---------- SEPARATE APPLICATION
MARQUEE---------- SEPARATE APPLICATION
FIRE PROTECTION PLAN---------- SEPARATE APPLICATION

GENERAL NOTES

1. SCOPE OF WORK: NEW HOTEL 26 STORY HOTEL WITH TENANT RESTAURANT AT FIRST FLOOR.
2. BEFORE COMMENCING WORK THE CONTRACTOR SHALL FILE ALL NECESSARY CERTIFICATES OF INSURANCE WITH THE DEPARTMENT OF BUILDINGS, PAY ALL FEES, OBTAIN ALL PERMITS AND PROVIDE ANY AND ALL BONDS REQUIRED BY ANY CITY AGENCY IN ORDER TO DO THE WORK HEREIN DESCRIBED. AT LEAST 24 HOURS WRITTEN NOTICE SHALL BE GIVEN TO THE COMMISSIONER BEFORE COMMENCEMENT OF WORK [SECTION BC 28.103.1].
4. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE RULES, REGULATIONS AND PROCEDURES OF THE OWNER, THE BEST TRADE PRACTICES, AND GOVERNMENTAL AUTHORITIES HAVING JURISDICTION OVER THE WORK.
5. PLUMBING AND ELECTRICAL WORK SHALL BE PERFORMED BY PERSONS LICENSED IN THEIR TRADES, WHO SHALL ARRANGE FOR AND OBTAIN INSPECTIONS AND REQUIRED SIGN-OFFS.
6. ALL INTERIOR SPACES TO BE MECHANICALLY VENTILATED AS PER REQUIREMENTS OF CODE.
7. THE CONTRACTOR SHALL PROVIDE ADEQUATE WEATHER PROTECTION FOR THE BUILDING AND IT'S CONTENTS DURING THE COURSE OF THE WORK. ALL OPENINGS IN ANY WALL OR ROOF SHALL BE PROTECTED FROM ALL FORMS OF WEATHER OR WATER PENETRATION.
8. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD, WHETHER OR NOT SPECIFICALLY NOTED, AND SHALL REPORT ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS TO THE ARCHITECT PRIOR TO STARTING WORK.
9. DO NOT SCALE DRAWINGS.
10. MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER CONSTRUCTION OF ANY PART OF THE WORK SHALL BE INCLUDED AS IF THEY WERE INDICATED IN THE DRAWINGS.
11. THE CONTRACTOR SHALL LAY OUT HIS OWN WORK, AND SHALL PROVIDE ALL DIMENSIONS REQUIRED FOR OTHER TRADES (PLUMBING, ELECTRICAL, ETC.).
12. THE CONTRACTOR SHALL DO ALL CUTTING, FITTING OR PATCHING OF WORK THAT MAY BE REQUIRED TO MAKE ALL WORK COME TOGETHER PROPERLY AND FIT TO RECEIVE OR BE RECEIVED BY WORK OF OTHER CONTRACTORS SHOWN UPON OR REASONABLY IMPLIED BY THE DRAWINGS AND NOTES.
13. SEE DOOR SCHEDULE FOR ALL DOOR SIZE.
14. DOORS WHICH REQUIRE FIRE RATINGS SHALL BE A TYPE COMPLYING WITH SECTION BC 1008 & SECTION BC 1007 OF NYC BUILDING CODE.
15. ALL CORRIDORS SHALL BE 3'8" MINIMUM CLEAR IN COMPLIANCE WITH SECTION BC 1005 & SECTION BC 1016 OF NYC BUILDING CODE.
16. ALL WOOD TO BE USED SHALL BE FIRE RETARDANT TREATED IN ACCORDANCE WITH NEW YORK CITY BUILDING CODE.
17. DUCTS, PIPES AND CONDUITS PASSING THROUGH RATED CONSTRUCTION SHALL HAVE SPACES NOT EXCEEDING 1/2 INCH AND PACKED MINERAL WOOL AND CLOSED OFF WITH CLOSE FITTING METAL ESCUTCHEONS. UNLESS OTHERWISE NOTED OR SPECIFIED IN DRAWINGS OR SPECIFICATIONS.
18. WHERE PIPES, WIRES, CONDUITS, DUCTS, ETC., PIERCE FIRE PROTECTION OF INDIVIDUALLY ENCASED STRUCTURAL MEMBERS, SUCH AS PENETRATION SHALL NOT EXCEED 2% OF ANY FACE OF SUCH PROTECTION, AND SHALL BE CLOSED OFF WITH CLOSE FITTING METAL ESCUTCHEONS OR PLATES.
19. THE CONTRACTOR SHALL AT ALL TIME PROTECT THE PROPERTY OF THE BUILDING AND OWNER. THE CONTRACTOR SHALL PROTECT ALL EXISTING WORK WHICH WILL REMAIN FROM DAMAGE AND SOILING DURING THE CONSTRUCTION PERIOD. ANY DAMAGED OR SOILED ITEMS SHALL BE RESTORED TO "LIKE NEW CONDITION" AT NO COST TO THE OWNER. IT IS THE INTENT OF THIS CONTRACT THAT THE ENTIRE AREA WITHIN THE CONTRACT LIMITS SHALL BE IN A "LIKE NEW CONDITION", AND THAT ANY DAMAGE TO OTHER AREAS CAUSED BY THIS CONSTRUCTION WORK SHALL BE REPAIRED AND RESTORED BEFORE ACCEPTANCE BY THE OWNER.
20. THE CONTRACTOR SHALL FURNISH A SYSTEM OF TEMPORARY LIGHTS THROUGHOUT THE SPACES UNDER CONSTRUCTION AS REQUIRED TO MAINTAIN MINIMUM SAFE LIGHTING LEVELS.
21. ALL HEIGHTS NOTED A.F.S. (ABOVE FINISHED SLAB) SHALL BE ABOVE A SINGULAR 0'0" DATUM POINT AT THE HIGH POINT OF THE EXISTING CONCRETE FLOOR SLAB OR OTHER POINT DETERMINED BY THE ARCHITECT IN THE FIELD. THE GENERAL CONTRACTOR SHALL PROVIDE A TEMPORARY MEASURING LINE AT 5'0" A.F.S. THE ARCHITECT SHALL INSPECT THIS LINE PRIOR TO IT'S USE IN ESTABLISHING HEIGHTS.
22. THE LAYOUT OF PARTITION AND OPENINGS SHALL BE VERIFIED BY THE ARCHITECT PRIOR TO SECURING FLOOR CHANNELS. ARCHITECTS VERIFICATION DOES NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITY IN CONFORMING WITH THE CONTRACT DOCUMENTS.
27. ALL NEW PARTITIONS SHALL BE PLUMB, STRAIGHT AND SHALL ALIGN WITH EXISTING ELEMENTS AS SHOWN ON THE DRAWINGS. ALL ANGLES SHALL BE 90 DEGREES UNLESS OTHERWISE NOTED. REINFORCEMENT SHALL BE PROVIDED AT ALL OPENINGS, AS REQUIRED. METAL CORNER SPACKLE BEADS SHALL BE INSTALLED AT ALL OUTSIDE CORNERS. ALSO, CASING MOLDINGS AND OTHER EDGE REINFORCEMENTS SHALL BE INSTALLED, AS REQUIRED BY PREMIUM STANDARDS OF PRACTICE AS INDICATED ON CONTRACT DOCUMENTS.
28. THE CONTRACTOR SHALL COORDINATE THE SETTING OF ALL NECESSARY BLOCKING, AS INFERRED OR CALLED FOR ON THE DRAWINGS.
29. SHOP DRAWINGS INDICATING ALL DIMENSIONS, FINISHES, CONNECTIONS, MATERIALS, AND MEANS OF SUPPORT SHALL BE SUBMITTED TO STONEHILL AND TAYLOR ARCHITECTS FOR REVIEW AND APPROVAL FOR ALL ITEMS REQUESTED ON THE DRAWINGS AND IN THE SPECIFICATIONS. THE CONTRACTOR IS TO RECEIVE APPROVALS PRIOR TO CONSTRUCTION. ANY WORK INSTALLED PRIOR TO APPROVAL IS SUBJECT TO REMOVAL AND REINSTALLATION AT NO COST TO OWNER.
30. THE CONTRACTOR IS TO SUPPLY FLUSH FINISHED ACCESS DOORS WHERE REQUIRED, EXCEPT AS OTHERWISE NOTED. THE CONTRACTOR IS RESPONSIBLE FOR SUPPLYING ACCESS DOORS IN THE SIZE AND QUANTITY AS REQUIRED BY THE OWNER OR BY BUILDING CODES FOR ALL SUPPLEMENTAL MECHANICAL EQUIPMENT, ELECTRICAL, SPRINKLER, OR OTHER SUCH DEVICES INSTALLED OR LOCATED ABOVE THE CEILING OR IN THE WALLS. THE CONTRACTOR IS TO RECEIVE APPROVAL FOR ALL ACCESS DOOR LOCATIONS PRIOR TO ORDERING DOORS.

APPENDIX H OUTDOOR SIGNS

BC H103 LOCATION
H103.1 LOCATION RESTRICTIONS. SIGNS SHALL NOT BE ERECTED, CONSTRUCTED OR MAINTAINED SO AS TO OBSTRUCT ANY FIRE ESCAPE OR ANY WINDOW OR DOOR OR OPENING USED AS A MEANS OF EGRESS OR SO AS TO PREVENT FREE PASSAGE FROM ONE PART OF A ROOF TO ANY OTHER PART THEREOF. A SIGN SHALL NOT BE ATTACHED IN ANY FORM, SHAPE OR MANNER TO A FIRE ESCAPE OR EXTERIOR STAIR, NOR BE PLACED IN SUCH MANNER AS TO INTERFERE WITH ANY OPENING REQUIRED FOR NATURAL LIGHT OR NATURAL VENTILATION.

SUSPENDED CEILING NOTES

1. CEILING HEIGHTS ARE TO BE IN RELATION TO 0'0" DATUM POINT AT EXISTING FINISHED FLOOR AND TO THE UNDERSIDE OF FINISHED SURFACE.
2. ALL DIMENSIONS ARE TAKEN TO CENTERLINES OF CEILING SUPPORT MEMBERS OR FACE OF PARTITION.
3. THE CONTRACTOR IS TO LAY OUT REFLECTED CEILING PLAN AND RECEIVE APPROVAL FROM THE ARCHITECT PRIOR TO CONSTRUCTION.
4. SAMPLES OF ALL EXPOSED CEILING MEMBERS OR TILES SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW, PRIOR TO ORDERING OR INSTALLATION.
5. PROVIDE PERIMETER CEILING ANGLES WHERE REQUIRED.

ACCESSIBILITY/ LOCAL LAW 58 COMPLIANCE

1. PROPOSED WORK TO COMPLY WITH APPLICABLE REQUIREMENTS OF AMERICANS WITH DISABILITIES ACT FOR HANDICAPPED ACCESS.
2. CONTROLS AND OPERATING MECHANISMS SHAL

EGRESS NOTES

1. ALL EXITS SHALL BE KEPT READILY ACCESSIBLE AND UNOBSTRUCTED AT ALL TIMES.
2. CORRIDORS SHALL HAVE A CEILING HEIGHT OF NOT LESS THAN 7'-6" FOR AT LEAST 75% OF THE FLOOR AREA, WITH NO POINT LESS THAN 7'-0". [SECTION BC 1003.2]
3. FLOOR SURFACE OF THE MEAN OF EGRESS SHALL HAVE A SLIP-RESISTANT SURFACE AND BE SECURELY ATTACHED.
4. THE OCCUPANT LOAD ARE TO BE CALCULATED AS PER [SECTION BC 1004.1] AND [TABLE 1004.1.2].
5. THE EGRESS WIDTHS ARE TO BE CALCULATED AS PER TABLE 1004.1.2 AND TABLE 1005.1 [SECTION BC 1005.1].
6. EXITS, EXIT DISCHARGES AND PUBLIC CORRIDORS SHALL BE ILLUMINATED AT ALL TIMES AND COMPLY WITH [SECTION BC 1006].
   A. THE MEAN OF EGRESS ILLUMINATION LEVEL SHALL NOT BE LESS THAN 2 FOOT-CANDLES AT THE FLOOR LEVEL IN EXITS, AT EXIT DISCHARGES, AND IN PUBLIC CORRIDORS, AND SHALL NOT BE LESS THAN 1 FOOT-CANDLE AT THE FLOOR LEVEL IN EXIT ACCESS COMPONENTS OTHER THAN PUBLIC CORRIDORS.
   B. THE EMERGENCY POWER SYSTEM SHALL PROVIDE POWER FOR A DURATION OF NOT LESS THAN 90 MINUTES AND SHALL CONSIST OF STORAGE BATTERIES, UNIT EQUIPMENT OF AN ON-SITE GENERATOR.
7. DOORS ARE TO COMPLY WITH ALL APPLICABLE REQUIREMENTS OF [SECTION BC 1008], INCLUDING THE FOLLOWING:
   A. DOOR SHALL BE SUFFICIENT FOR THE OCCUPANT LOAD THEREOF AND SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32" MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES.
   B. THE HEIGHT OF DOORS SHALL NOT BE LESS THAN 80".
   C. DOORS SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL.
   D. THERE SHALL BE A FLOOR OR LANDING ON EACH SIDE OF A DOOR. SUCH FLOOR OR LANDING SHALL BE AT THE SAME ELEVATION ON EACH SIDE OF THE DOOR.
   E. LANDING SHALL HAVE A WIDTH NOT LESS THAN THE WIDTH OF THE STAIRWAY OR THE DOOR, WHICHEVER IS THE GREATER. DOORS IN ANY POSITION SHALL NOT REDUCE THE LANDING TO LESS THAN 75% OF ITS REQUIRED WIDTH. [SECTION BC 1008.1.5]
   F. EXIT DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OF EFFORT.
   G. DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES SHALL BE INSTALLED 34" MINIMUM AND 48" MAXIMUM ABOVE FINISH FLOOR.
   H. INTERIOR STAIRWAY MEANS OF EGRESS DOORS SHALL BE OPENABLE FROM BOTH SIDES WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
   I. EACH DOOR IN A MEAN OF EGRESS FROM AN OCCUPANCY GROUP A OR E HAVING AN OCCUPANT LOAD OF 75 OR MORE...SHALL BE PROVIDED WITH PANIC HARDWARE OR FIRE EXIT HARDWARE COMPLYING WITH [SECTION BC 1008.1.9]
8. INTERIOR STAIR ARE TO COMPLY WITH ALL APPLICABLE REQUIREMENTS OF [SECTION BC 1009] INCLUDING THE FOLLOWING:
   A. THE WIDTH OF THE STAIRWAYS SHALL BE DETERMINED AS SPECIFIED IN TABLE 1004.1.2 AND TABLE 1005.1.
   B. STAIRWAYS SHALL HAVE A MINIMUM HEADROOM CLEARANCE OF 7'-0" MEASURED VERTICALLY FROM A LINE CONNECTING THE EDGE OF THE NOSING.
   C. STAIR RISER HEIGHTS SHALL COMPLY WITH [SECTION BC 1009.3]. STAIR TREADS AND RISERS SHALL BE OF UNIFORM SIZE AND SHAPE PER [SECTION BC 1009.3.1]
   D. THERE SHALL BE A FLOOR OR LANDING AT THE TOP AND BOTTOM OF EACH STAIRWAY. THE WIDTH OF LANDINGS SHALL NOT BE LESS THAN THE WIDTH OF STAIRWAYS THEY SERVE. EVERY LANDING SHALL HAVE A MINIMUM DIMENSION MEASURED IN THE DIRECTION OF TRAVEL EQUAL TO THE WIDTH OF THE STAIRWAYS. SUCH DIMENSIONS NEED NOT EXCEED 48" WHERE THE STAIRWAY HAS A STRAIGHT RUN. [SECTION BC 1009.4]
   E. STAIRWAYS SHALL HAVE HANDRAILS ON EACH SIDE. HANDRAILS SHALL BE ADEQUATE IN STRENGTH AND ATTACHMENT IN ACCORDANCE WITH [SECTION BC 1009.11]
   F. HANDRAIL HEIGHT, MEASURED ABOVE STAIR TREAD NOSING, OR FINISH SURFACE OF RAMP SLOPE, SHALL BE UNIFORM, NOT LESS THAN 34" AND NOT MORE THAN 38". [SECTION BC 1009.11.1]
   G. CLEAR SPACE BETWEEN A HANDRAIL AND A WALL OR OTHER SURFACE SHALL BE A MINIMUM OF 1.5". PROJECTIONS INTO THE REQUIRED WIDTH AT EACH HANDRAIL SHALL NOT EXCEED 4.5". [SECTION BC 1009.11.7]
   H. IN BUILDINGS IN OCCUPANCY GROUPS R-1 AND R-2 2 STORIES OR MORE IN HEIGHT, WITH ROOFS HAVING A SLOPE OF 15 DEGREES OR LESS, ALL INTERIOR STAIRS, EXCEPT THOSE TERMINATING AT THE LEVEL OF A SETBACK ROOF, SHALL EXTEND TO THE ROOF SURFACE. [SECTION BC 1009.12.1]
9. EXITS AND EXIT ACCESS DOORS SHALL BE MARKED BY AN APPROVED EXIT SIGN READILY VISIBLE FROM ANY DIRECTION OF EGRESS TRAVEL. [SECTION BC 1011]
10. EGRESS FROM A ROOM OR SPACE SHALL NOT PASS THROUGH ADJOINING OR INTERVENING ROOMS OR AREAS, EXCEPT WHERE SUCH ADJOINING ROOMS OR AREAS ARE ACCESSORY TO THE AREA SERVED; ARE NOT A HIGH-HAZARD OCCUPANCY AND PROVIDE A DISCERNIBLE PATH OF EGRESS TRAVEL TO AN EXIT. [SECTION BC 1013.2]
11. TWO EXITS OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHALL BE PROVIDED EXCEPT COMPLY WITH [TABLE 1014.1].
12. EXITS SHALL BE SO LOCATED ON EACH STORY SUCH THAT THE MAXIMUM LENGTH OF EXIT ACCESS TRAVEL, MEASURED FROM THE MOST REMOTE POINT WITHIN A STORY TO THE ENTRANCE TO AN EXIT SHALL NOT EXCEED THE DISTANCES GIVEN IN [TABLE 1015.1].
13. CORRIDORS SHALL BE CONSTRUCTED IN ACCORDANCE WITH [SECTION BC 1016] INCLUDING THE FOLLOWING:
   A. THE MINIMUM CORRIDOR WIDTH SHALL BE AS DETERMINED IN [TABLE 1016.2], BUT NOT LESS THAN 44".
   B. WHERE MORE THAN 1 EXIT OR EXIT ACCESS DOORWAY IS REQUIRED, THE EXIT ACCESS SHALL BE ARRANGED SUCH THAT THERE ARE NO DEAD ENDS IN CORRIDORS MORE THAN SPECIFIED IN [SECTION BC 1016.3].

POWER, COMMUNICATIONS & CONTROL NOTES

1. RECEPTACLES ARE INDICATED FOR DIMENSIONAL COORDINATION ONLY. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL REQUIREMENTS.
2. ALL DIMENSIONS TAKEN TO CENTERLINE OF DEVICE OR TO FACE OF PARTITION. DUPLEXES ARE TO BE MOUNTED AT A HEIGHT SPECIFIED BY THE ARCHITECT OR AS NOTED ON THE DRAWINGS.
3. LAYOUT OF ALL ELECTRICAL OUTLETS AND SWITCHES SHALL BE REVIEWED BY THE ARCHITECT BEFORE INSTALLATION OF CONDUIT, BOXES, ETC. ARCHITECTS REVIEW DOES NOT RELIEVE THE CONTRACTORS RESPONSIBILITY TO CONFORM WITH THE CONTRACT DOCUMENTS.
4. ALL TELEPHONE AND LOW VOLTAGE OUTLETS TO BE PROVIDED WITH TWO DRAG LINES.
5. LAYOUT OF ALL ELECTRICAL OUTLETS AND SWITCHES SHALL BE REVIEWED BY THE ARCHITECT BEFORE INSTALLATION OF CONDUIT, BOXES, ETC. ARCHITECTS REVIEW DOES NOT RELIEVE THE CONTRACTORS RESPONSIBILITY TO CONFORM WITH THE CONTRACT DOCUMENTS.
6. ALL TELEPHONE AND LOW VOLTAGE OUTLETS TO BE PROVIDED WITH TWO DRAG LINES.
7. WHERE MULTIPLE OUTLETS OCCUR AT ONE LOCATION, THEY ARE TO BE SPACED EQUALLY APART.
8. WALL SWITCHES/DIMMERS SHALL BE MOUNTED AT A HEIGHT OF 42" A.F.F., AND 48" A.F.F. AT NON-ADA GUESTROOM ONLY, UNLESS OTHERWISE NOTED.
9. THERMOSTAT SHALL BE MOUNTED AT A HEIGHT OF 6" ABOVE WALL SWITCH UNLESS OTHERWISE NOTED.
10. THE CONTRACTOR TO SUPPLY POWER TO ALL MACHINERY AND APPLIANCES AS SHOWN ON THE DRAWINGS.
11. WHERE MULTIPLE SWITCHES/DIMMERS OCCUR AT ONE LOCATION, THEY SHALL BE GANGED WHERE POSSIBLE.
12. FINISH OF OUTLET AND SWITCH COVER PLATES TO BE : GRAY, WHITE, OR BLACK, DEPENDING ON THE SURFACE WHICH THEY ARE TO BE MOUNTED ON. VERIFY AND COORDINATE WITH THE ARCHITECT.
13. RECEPTACLES ARE TO BE 15" A.F.F., AND 12" A.F.F. AT NON-ADA GUESTROOM ONLY, UNLESS OTHERWISE NOTED.
14. ALL ELECTRICAL WORK TO BE FILED UNDER A SEPARATE APPLICATION AT B.E.C. UNIT. THIS FILING MUST BE DONE BY THE ELECTRICAL CONTRACTOR.
15. PRIOR TO CORING SLAB, REVIEW LOCATIONS WITH ARCHITECT AND COORDINATE LOCATIONS WITH OWNER.
16. COORDINATE INSTALLATION OF TELECOMMUNICATIONS, DATA AND SECURITY SYSTEMS.
17. VERIFY EQUIPMENT SPECIFICATIONS, POWER AND INSTALLATION REQUIREMENTS WITH MANUFACTURER TO ENSURE PROPER FIT AND FUNCTION.
18. VERIFY MOUNTING REQUIREMENTS OF ELECTRICAL, TELEPHONE AND OTHER EQUIPMENT.
19. PROVIDE LIGHT SWITCHING IN CONFORMANCE WITH TITLE 24 REQUIREMENTS. FOR ROOMS OR AREAS GREATER THAN 100 SQUARE FEET PROVIDE DOUBLE SWITCHES WITH EACH SWITCH CONTROLLING 50% OF LAMPS PER FIXTURE.
20. MOUNT STANDARD WALL OUTLETS, SWITCHES AND THERMOSTATS AT HEIGHTS REQUIRED BY TITLE 24 AND ADA GUIDELINES, UNLESS OTHERWISE NOTED. WHEN THERMOSTATS AND LIGHT SWITCH OCCUR TOGETHER, INSTALL BOTH ALIGNED HORIZONTALLY WITH CENTER LINE AT +3'-2" ABOVE FINISHED FLOOR.
21. INSTALL OUTLETS ON OPPOSITE SIDES OF PARTITIONS IN SEPARATE STUD CAVITIES. DO NOT INSTALL BACK-TO-BACK.
22. IDENTIFY DEDICATED OR ISOLATED GROUND ELECTRICAL OUTLETS WITH A RED DOT.

SECTION BC 905 STANDPIPE SYSTEMS

905.1 GENERAL. STANDPIPE SYSTEMS SHALL BE PROVIDED IN BUILDINGS AND STRUCTURES IN ACCORDANCE WITH THIS SECTION. FIRE HOSE THREADS USED IN CONNECTION WITH STANDPIPE SYSTEMS SHALL BE APPROVED BY THE FIRE COMMISSIONER. THE LOCATION OF FIRE DEPARTMENT HOSE CONNECTIONS SHALL BE APPROVED BY THE FIRE COMMISSIONER. STANDPIPE SYSTEMS IN BUILDINGS USED FOR HIGH-PILED COMBUSTIBLE STORAGE SHALL BE IN ACCORDANCE WITH THE NEW YORK CITY FIRE CODE. INSTALLATION OF STANDPIPE SYSTEMS SHALL COMPLY WITH THE SPECIAL INSPECTION REQUIREMENTS OF CHAPTER 17.

ANY SPACE OR ROOM THAT CONTAINS EQUIPMENT OF SUCH NATURE THAT THE USE OF WATER WOULD BE INEFFECTIVE IN FIGHTING A FIRE THEREIN, OR WOULD BE OTHERWISE HAZARDOUS, SHALL HAVE A CONSPICUOUS SIGN ON EACH DOOR OPENING ON SUCH SPACE OR ROOM STATING THE NATURE OF THE USE AND THE WARNING: "IN CASE OF FIRE, USE NO WATER".

905.2 INSTALLATION STANDARDS. STANDPIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THIS SECTION AND NFPA 14 AS MODIFIED IN APPENDIX Q.

905.3 REQUIRED INSTALLATIONS. STANDPIPE SYSTEMS SHALL BE INSTALLED WHERE REQUIRED BY SECTIONS 905.3.1 THROUGH 905.3.6 AND IN THE LOCATIONS INDICATED IN SECTIONS 905.4, 905.5

AND 905.6. STANDPIPE SYSTEMS ARE PERMITTED TO BE COMBINED WITH AUTOMATIC SPRINKLER SYSTEMS.

EXCEPTION: STANDPIPE SYSTEMS ARE NOT REQUIRED IN BUILDINGS OCCUPIED ENTIRELY BY GROUP R-3.

905.3.1 APPLICABILITY. CLASS III STANDPIPE SYSTEMS SHALL BE INSTALLED THROUGHOUT THE FOLLOWING BUILDINGS:

1. IN BUILDINGS 2 STORIES OR MORE IN HEIGHT WITH FLOOR AREA OF 10,000 SQUARE FEET (929 M2) OR GREATER ON ANY STORY;
2. IN BUILDINGS 3 STORIES OR MORE IN HEIGHT WITH FLOOR AREA OF 7,500 SQUARE FEET (697 M2) OR GREATER ON ANY STORY;
3. IN BUILDINGS OF ANY AREA WITH A FLOOR LEVEL HAVING AN OCCUPANT LOAD OF 30 OR MORE THAT IS LOCATED 55 FEET (16 764 MM) OR MORE ABOVE THE LOWEST LEVEL OF FIRE DEPARTMENT VEHICLE ACCESS.
4. IN BUILDINGS OF ANY AREA, CONSTRUCTED IN ACCORDANCE WITH SECTION 403, WITH OCCUPIED FLOORS LOCATED 75 FEET (22 860 MM) OR MORE ABOVE THE LOWEST LEVEL OF FIRE DEPARTMENT VEHICLE ACCESS.

   EXCEPTIONS:

   1. CLASS I STANDPIPES ARE ALLOWED IN BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1 OR 903.3.1.2 PROVIDED THAT THE FOLLOWING ADDITIONAL REQUIREMENTS ARE MET:
      1.1. A LOCKED STORAGE CABINET SHALL BE PROVIDED ON THE MAIN ENTRANCE FLOOR IN A LOCATION APPROVED BY THE FIRE COMMISSIONER NEAR THE STANDPIPE RISER ENCLOSURE. SUCH CABINET SHALL CONTAIN AT LEAST THREE OPEN NOZZLES, TWO 1.5 INCH (38 MM) SPANNER WRENCHES, TWO 2.5 INCH (64 MM) SPANNER WRENCHES, TWO 2.5 INCH (64 MM) BY 1.5 INCH (38 MM) NON-SWIVEL REDUCING COUPLINGS, AND 375 FEET (114 M) OF 1.5 INCH (38 MM) HOSE. HOWEVER, THE HOSE MAY BE OMITTED WHEN SERVING GROUP R-2 OCCUPANCIES.
      1.1.1. A KEY FOR UNLOCKING THE STORAGE CABINET SHALL BE KEPT IN A LOCATION WHERE IT IS READILY AVAILABLE TO AUTHORIZED PERSONS, BUT NOT AVAILABLE TO THE GENERAL PUBLIC. A SIGN SHALL BE PLACED ON THE STORAGE CABINET INDICATING THE LOCATION OF SUCH KEY.
      1.1.2. AN ADDITIONAL LABELED KEY SHALL BE KEPT IN A LOCKED RECEPTACLE NEAR THE STORAGE CABINET OPENABLE BY A FIRE DEPARTMENT STANDARD KEY. SUCH RECEPTACLE SHALL BE LABELED, "FOR FIRE DEPARTMENT USE ONLY."
      1.1.3. A METAL SIGN SHALL BE PLACED IN EACH STAIR ENCLOSURE ON THE MAIN ENTRANCE FLOOR STATING CLEARLY WHERE THE STORAGE CABINET IS LOCATED.
      1.2. HOSE VALVES ARE CAPPED WITH A HOSE VALVE CAP FASTENED TO THE VALVE WITH A CHAIN.
   2. CLASS I MANUAL STANDPIPES ARE ALLOWED IN OPEN PARKING GARAGES WHERE THE HIGHEST FLOOR IS LOCATED NOT MORE THAN 150 FEET (45 720 MM) ABOVE THE LOWEST LEVEL OF FIRE DEPARTMENT VEHICLE ACCESS.
   3. CLASS I MANUAL DRY STANDPIPES ARE ALLOWED IN OPEN PARKING GARAGES THAT ARE SUBJECT TO FREEZING TEMPERATURES, PROVIDED THAT THE HOSE CONNECTIONS ARE LOCATED AS REQUIRED FOR CLASS II STANDPIPES IN ACCORDANCE WITH SECTION 905.5.
   4. CLASS I STANDPIPES ARE ALLOWED IN BELOW-GRADE STORIES EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM.
   5. STANDPIPE OUTLETS MAY BE OMITTED IN PORTIONS OF FIRST FLOORS OR BASEMENTS THAT ARE COMPLETELY SEPARATED FROM THE ENTRANCE HALL OR ENCLOSED STAIRWAYS LEADING TO THE UPPER FLOORS, PROVIDED THAT PORTABLE FIRE EXTINGUISHERS

FIRE CODE NOTES NOTES

SECTION FC 906 PORTABLE FIRE EXTINGUISHERS

906.1 WHERE REQUIRED. PORTABLE FIRE EXTINGUISHERS SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS.

1. IN ALL GROUP A, B, E, F, H, I, M, R-1, R-2 ADULT HOMES AND ENRICHED HOUSING, AND S OCCUPANCIES.
2. WITHIN 30 FEET (9144 MM) OF COMMERCIAL COOKING EQUIPMENT.
3. IN AREAS WHERE FLAMMABLE OR COMBUSTIBLE LIQUIDS ARE MANUFACTURED, STORED, HANDLED AND USED, INCLUDING DISPENSING, IN QUANTITIES REQUIRING A PERMIT PURSUANT TO SECTION 105.6.
4. ON EACH FLOOR OF STRUCTURES UNDER CONSTRUCTION, ALTERATION OR DEMOLITION, EXCEPT DETACHED GROUP R-3 OCCUPANCIES, IN ACCORDANCE WITH SECTION 1415.1. 170
5. WHERE REQUIRED BY THE SECTIONS INDICATED IN TABLE 906.1.
6. SPECIAL-HAZARD AREAS, INCLUDING BUT NOT LIMITED TO LABORATORIES, COMPUTER ROOMS AND GENERATOR ROOMS, WHERE REQUIRED BY THE COMMISSIONER.
7. WHERE REQUIRED BY OTHER PROVISIONS OF THIS CODE OR THE RULES.

906.2 GENERAL REQUIREMENTS. PORTABLE FIRE EXTINGUISHERS SHALL BE SELECTED, INSTALLED AND MAINTAINED IN ACCORDANCE WITH THIS SECTION AND NFPA 10. 171

EXCEPTION: THE TRAVEL DISTANCE TO REACH A PORTABLE FIRE EXTINGUISHER SHALL NOT APPLY TO THE SPECTATOR SEATING PORTIONS OF GROUP A-5 OCCUPANCIES.

906.2.1 MAINTENANCE. PORTABLE FIRE EXTINGUISHERS SHALL BE MAINTAINED IN ACCORDANCE WITH SECTION 901.6 AND THIS SECTION.

906.2.1.1 MONTHLY INSPECTION. AN INSPECTION TO VERIFY THAT THE PORTABLE FIRE EXTINGUISHERS ARE READILY AVAILABLE AND IN GOOD WORKING ORDER SHALL BE CONDUCTED AT LEAST ONCE A MONTH. THE PERSON CONDUCTING SUCH INSPECTIONS SHALL KEEP RECORDS OF ALL PORTABLE FIRE EXTINGUISHERS INSPECTED, INCLUDING THE DATE THE INSPECTION WAS PERFORMED, THE PERSON PERFORMING THE INSPECTION, AND THOSE PORTABLE FIRE EXTINGUISHERS FOUND TO REQUIRE CORRECTIVE ACTION. SUCH RECORDKEEPING SHALL BE EITHER KEPT ON A TAG OR LABEL SECURELY ATTACHED TO THE PORTABLE FIRE EXTINGUISHER, ON AN INSPECTION CHECKLIST MAINTAINED ON FILE OR BY AN APPROVED ELECTRONIC METHOD THAT PROVIDES A PERMANENT RECORD.

906.2.1.2 SERVICING. ANNUAL SERVICING AND RECHARGING SHALL BE PERFORMED BY A PERSON OR COMPANY MEETING THE REQUIREMENTS OF SECTION 901.6.3.1. RECORDS OF SERVICING AND RECHARGING OF PORTABLE FIRE EXTINGUISHERS SHALL BE PROVIDED AND MAINTAINED IN ACCORDANCE WITH NFPA 10. THE REQUIRED TAG OR LABEL FOR SERVICING SHALL ALSO INCLUDE THE FOLLOWING INFORMATION:

1. THE NAME AND CERTIFICATE OF FITNESS NUMBER OF THE PERSON WHO SERVICED THE PORTABLE FIRE EXTINGUISHER.
2. THE MONTH AND YEAR THE PORTABLE FIRE EXTINGUISHER WAS SERVICED.
3. THE NAME, STREET ADDRESS AND TELEPHONE NUMBER OF THE PORTABLE FIRE EXTINGUISHER SERVICING COMPANY, IF ANY, SERVICING THE PORTABLE FIRE EXTINGUISHER.

906.2.1.3 HYDROSTATIC TESTING. PERIODIC HYDROSTATIC TESTING OF PORTABLE FIRE EXTINGUISHERS SHALL BE DONE IN ACCORDANCE WITH NFPA 10.

906.3 SIZE AND DISTRIBUTION. FOR OCCUPANCIES THAT INVOLVE PRIMARILY CLASS A FIRE HAZARDS, THE MINIMUM SIZES AND DISTRIBUTION SHALL COMPLY WITH TABLE 906.3(1). PORTABLE FIRE EXTINGUISHERS FOR OCCUPANCIES INVOLVING FLAMMABLE OR COMBUSTIBLE LIQUIDS WITH DEPTHS OF LESS THAN OR EQUAL TO 0.25-INCH (6.35 MM) SHALL BE SELECTED AND PLACED IN ACCORDANCE WITH TABLE 906.3(2). PORTABLE FIRE EXTINGUISHERS FOR OCCUPANCIES INVOLVING FLAMMABLE OR COMBUSTIBLE LIQUIDS WITH A DEPTH OF GREATER THAN 0.25-INCH (6.35 MM) OR INVOLVING COMBUSTIBLE METALS SHALL BE SELECTED AND PLACED IN ACCORDANCE WITH NFPA 10. EXTINGUISHERS FOR CLASS C FIRE HAZARDS SHALL BE SELECTED AND PLACED ON THE BASIS OF THE ANTICIPATED CLASS A OR CLASS B HAZARD.

906.3.1 SPRINKLERED AREAS. IN BUILDINGS CLASSIFIED AS GROUP A-3 OCCUPANCY HOUSES OF WORSHIP AND GROUP B OCCUPANCY OFFICE BUILDINGS THAT ARE PROTECTED THROUGHOUT BY A SPRINKLER SYSTEM, THE MAXIMUM FLOOR AREA PER UNIT OF A REQUIRED BY TABLE 906.3(1) MAY BE DOUBLED.

906.4 COOKING GREASE FIRES. PORTABLE FIRE EXTINGUISHERS PROVIDED FOR THE PROTECTION OF COOKING GREASE FIRES SHALL BE OF AN APPROVED TYPE COMPATIBLE WITH THE FIRE EXTINGUISHING SYSTEM AGENT AND IN ACCORDANCE WITH SECTION 904.11.5.

906.5 CONSPICUOUS LOCATION. PORTABLE FIRE EXTINGUISHERS SHALL BE LOCATED IN CONSPICUOUS LOCATIONS WHERE THEY WILL BE READILY ACCESSIBLE AND IMMEDIATELY AVAILABLE FOR USE. THESE LOCATIONS SHALL BE ALONG NORMAL PATHS OF TRAVEL, UNLESS THE COMMISSIONER DETERMINES THAT THE HAZARD POSED INDICATES THE NEED FOR PLACEMENT AWAY FROM NORMAL PATHS OF TRAVEL.

EXCEPTIONS:

1. PORTABLE FIRE EXTINGUISHERS SUBJECT TO THEFT, MALICIOUS USE OR DAMAGE MAY BE LOCATED IN LOCATIONS APPROVED BY THE COMMISSIONER.
2. IN ROOMING HOUSES AND SINGLE ROOM OCCUPANCIES, AS DEFINED IN THE NEW YORK STATE MULTIPLE DWELLING LAW, WITH OVER 15 SLEEPING ROOMS, A 2-A RATED PORTABLE FIRE EXTINGUISHER MAY BE KEPT IN THE APARTMENT OF THE MANAGER OR THE BUILDING SUPERINTENDENT.

906.6 UNOBSTRUCTED AND UNOBSCURED. PORTABLE FIRE EXTINGUISHERS SHALL NOT BE OBSTRUCTED OR OBSCURED FROM VIEW. IN ROOMS OR AREAS IN WHICH VISUAL OBSTRUCTION CANNOT BE COMPLETELY AVOIDED, SIGNS OR OTHER MARKINGS SHALL BE PROVIDED TO INDICATE THE LOCATIONS OF PORTABLE FIRE EXTINGUISHERS.

906.7 HANGERS AND BRACKETS. HAND-HELD PORTABLE FIRE EXTINGUISHERS, NOT HOUSED IN CABINETS, SHALL BE INSTALLED ON THE HANGERS OR BRACKETS SUPPLIED. HANGERS OR BRACKETS SHALL BE SECURELY ANCHORED TO THE MOUNTING SURFACE IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. 173

ABBREVIATIONS

A	
ACCES	ACCESSORY
ACOUS	ACOUSTIC(AL)
AFF	ABOVE FINISHED FLOOR
AL	ALUMINATE
ALT	ALTERNATE
ANNUNC	ANNUNCIATOR
ANOD	ANODIZED
APPL	APPLIANCE
ARCH	ARCHITECT(URAL)
AUTO	AUTOMATIC
AVG	AVERAGE
&	AND
B	
BLDG	BUILDING
BOLLD	BOLLARD
BD	BOARD
BLKG	BLOCKING
BRDLM	BROADLOOM
BU	BUILT UP
C	
CAB	CABINET
CPT	CARPET
CEM	CEMENT(ITIOUS)
CER	CERAMIC
CLG	CEILING
COATG	COATING
COILG	COILING
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONT	CONTINUOUS(ATION)
CONTR	CONTRACT(OR)
COV	COVER
CMU	CONCRETE MASONRY UNIT
D	
DBL	DOUBLE
DD ROOM	DOUBLE DOUBLE ROOM
DEPT	DEPARTMENT
DES	DESIGN(ED)
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIFF	DIFFUSER
DIM	DIMENSION
DISP	DISPENSER
DIV	DIVISION
DN	DOWN
$	DOLLAR (US CURRENCY)
DR	DOOR
DSCON	DISCONNECT
DWR	DRAWER
E	
ELAST	ELASTOMERIC
ELEC	ELECTRICAL
EMBED	EMBEDD(ED)(ING)
ENGR	ENGINEER(ED)
ENTR	ENTRANCE
EQ	EQUAL
EQUIP	EQUIPMENT
EXIST	EXISTING
EXP JT	EXPANSION JOINT
EXPS	EXPOSE(D)
EXT	EXTERIOR
F	
FAB	FABRICATION
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FE&C	FIRE EXTINGUISHER AND CABINET
FHC	FIRE HOSE CABINET
FIN	FINISH
FLDG	FOLDING
FPLC	FIREPLACE
FR	FIRE RAT(ING)(ED)
FRMG	FRAMING
FXD	FIXED
FXTR	FIXTURE
FLR	FLOOR(ING)
FURN	FURNITURE
FWC	FABRIC WALL COVERING
G	
GA	GAUGE
GFRC	GLASS FIBER REINFORCED CONCRETE
GFRG	GLASS FIBER REINFORCED GYPSUM
GFRP	GLASS FIBER REINFORCED PLASTER
GL	GLASS
GR	GRAD(E)(ING)
GYP	GYPSUM
H	
HD	HEAD
HDWD	HARDWOOD
HDWE	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
I	
INFO	INFORMATION
INSTRUM	INSTRUMENT(ATION)
INSUL	INSULATION
INTLK	INTERLOCK(ING)
INT	INTERIOR
INFILTR	INFILTRATION
J	
JAN	JANITOR
K	
KIT	KITCHEN
L	
LAV	LAVATORY
LB	POUND
£	BRITISH POUND (CURRENCY)
LT	LIGHT
LVLG	LEVELING
LVR	LOUVER
M	
MAX	MAXIMUM
MFD	MANUFACTURED
MFR	MANUFACTURER
MECH	MECHANICAL
MET	METAL
MEMB	MEMBRANE
MEZZ	MEZZANINE
MIN	MINIMUM
MISC	MISCELLANEOUS
MLWK	MILLWORK
MOIST	MOISTURE
MOT	MOTOR(IZED)
MTD	MOUNTED
N	
NIC	NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE
O	
ORNA	ORNAMENTAL
OVFL	OVERFLOW
OVHD	OVERHEAD
OPNG	OPENING(S)
OPR	OPERABLE
P	
PTN	PARTITION
PEDTR	PEDESTRIAN
PBD	PARTICLE BOARD
PNL	PANEL
POLYST	POLYSTYRENE
PORT	PORTABLE
PREFIN	PREFINISHED
PREFAB	PREFABRICATED
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLSTC	PLASTIC
PLYWD	PLYWOOD
PRTECN	PROTECTION
R	
RDR	READER
RECES	RECESSED
RECPT	RECEPTACLE
REF	REFER(ENCE)
REFL	REFLECTED
REFR	REFRIGERATOR
REQD	REQUIRED
RESIS	RESIST(ANT)(IVE)
REINF	REINFORCE(D)(ING)(MENT)
RESIL	RESILIENT
RFG	ROOFING
RM	ROOM
RO	ROUGH OPENING
S	
SCR	SCRIBE
SECUR	SECURITY
SF	SQUARE FEET
SGL	SINGLE
SHORG	SHORING
SIM	SIMILAR
SST	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STRFR	STOREFRONT
STRUCT	STRUCTURAL
SURF	SURFACE
SUSP	SUSPENDED
SYS	SYSTEM(S)
T	
THK	THICK
TLT	TOILET
TRAF	TRAFFIC
TRANS	TRANSPARENT
TRTD	TREATED
T&G	TONGUE AND GROOVE
TYP	TYPICAL
U	
UNDRLAY	UNDERLAYMENT
UTIL	UTILITY
UNO	UNLESS NOTED OTHERWISE
V	
VEH	VEHICLE
VERT	VERTICAL
VIF	VERIFY IN FIELD
W	
W/	WITH
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
W/O	WITHOUT
WT	WEIGHT
WTRPRF	WATERPROOFING

FIRE CODE NOTES (CONTINUED)

906.8 CABINETS. CABINETS USED TO HOUSE PORTABLE FIRE EXTINGUISHERS SHALL BE READILY IDENTIFIABLE AND SHALL NOT BE LOCKED.

EXCEPTIONS:

1. PORTABLE FIRE EXTINGUISHERS SUBJECT TO THEFT, MALICIOUS USE OR DAMAGE, IF PROVIDED WITH AN APPROVED MEANS OF READY ACCESS.
2. PORTABLE FIRE EXTINGUISHERS IN GROUP I-3 OCCUPANCIES AND IN MENTAL HEALTH AREAS IN GROUP I-2 OCCUPANCIES MAY BE LOCKED OR LOCATED IN STAFF LOCATIONS, PROVIDED THE STAFF OF THE INSTITUTION HAS READY ACCESS TO THE CABINET OR OTHER STORAGE LOCATION.

906.9 HEIGHT ABOVE FLOOR. PORTABLE FIRE EXTINGUISHERS HAVING A GROSS WEIGHT NOT EXCEEDING 40 POUNDS (18 KG) SHALL BE INSTALLED SO THAT THEIR TOPS ARE NOT MORE THAN 5 FEET (1524 MM) ABOVE THE FLOOR. HAND-HELD PORTABLE FIRE EXTINGUISHERS HAVING A GROSS WEIGHT EXCEEDING 40 POUNDS (18 KG) SHALL BE INSTALLED SO THAT THEIR TOPS ARE NOT MORE THAN 3.5 FEET (1067 MM) ABOVE THE FLOOR. THE CLEARANCE BETWEEN THE FLOOR AND THE BOTTOM OF INSTALLED HAND-HELD EXTINGUISHERS SHALL NOT BE LESS THAN 4 INCHES (102 MM).

906.10 WHEELED UNITS. WHEELED PORTABLE FIRE EXTINGUISHERS SHALL BE CONSPICUOUSLY LOCATED IN A DESIGNATED LOCATION.

FIRE DEPARTMENT NOTES

1. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A WITHIN 75 FOOT TRAVEL DISTANCE TO ALL PORTIONS OF THE BUILDING ON EACH FLOOR, AND ADDITIONAL EXTINGUISHERS AS REQUIRED BY FIRE DEPARTMENT FIELD INSPECTOR OR BUILDING DEPART

THE NEW YORK CITY FUEL GAS CODE

SECTION FGC 305
INSTALLATION

305.1 GENERAL
EQUIPMENT AND APPLIANCES SHALL BE INSTALLED AS REQUIRED BY THE TERMS OF THEIR APPROVAL, IN ACCORDANCE WITH THE CONDITIONS OF LISTING, THE MANUFACTURER'S INSTRUCTIONS AND THIS CODE. MANUFACTURERS' INSTALLATION INSTRUCTIONS SHALL BE AVAILABLE ON THE JOB SITE AT THE TIME OF INSPECTION. WHERE A CODE PROVISION IS LESS RESTRICTIVE THAN THE CONDITIONS OF THE LISTING OF THE EQUIPMENT OR APPLIANCE OR THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, THE CONDITIONS OF THE LISTING AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL APPLY.
305.2 HAZARDOUS AREA
EQUIPMENT AND APPLIANCES HAVING AN IGNITION SOURCE SHALL NOT BE INSTALLED IN GROUP H OCCUPANCIES OR CONTROL AREAS WHERE OPEN USE, HANDLING OR DISPENSING OF COMBUSTIBLE, FLAMMABLE OR EXPLOSIVE MATERIALS OCCURS.
305.3 ELEVATION OF IGNITION SOURCE
EQUIPMENT AND APPLIANCES HAVING AN IGNITION SOURCE SHALL BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS NOT LESS THAN 18 INCHES (457 MM) ABOVE THE FLOOR IN HAZARDOUS LOCATIONS AND PUBLIC GARAGES, PRIVATE GARAGES, REPAIR GARAGES, MOTOR FUEL-DISPENSING FACILITIES AND PARKING GARAGES. FOR THE PURPOSE OF THIS SECTION, ROOMS OR SPACES THAT ARE NOT PART OF THE LIVING SPACE OF A DWELLING UNIT AND THAT COMMUNICATE DIRECTLY WITH A PRIVATE GARAGE THROUGH OPENINGS SHALL BE CONSIDERED TO BE PART OF THE PRIVATE GARAGE.
EXCEPTION: ELEVATION OF THE IGNITION SOURCE IS NOT REQUIRED FOR APPLIANCES THAT ARE LISTED AS FLAMMABLE VAPOR RESISTANT AND FOR INSTALLATION WITHOUT ELEVATION.
305.4 PUBLIC GARAGES, MOTOR FUEL-DISPENSING FACILITIES AND REPAIR GARAGES. APPLIANCES LOCATED IN PUBLIC GARAGES, MOTOR FUEL-DISPENSING FACILITIES, OR OTHER AREAS FREQUENTED BY MOTOR VEHICLES SHALL BE INSTALLED A MINIMUM OF 8 FEET (2438 MM) ABOVE THE FLOOR. WHERE MOTOR VEHICLES EXCEED 6 FEET (1829 MM) IN HEIGHT AND ARE CAPABLE OF PASSING UNDER AN APPLIANCE, APPLIANCES SHALL BE INSTALLED A MINIMUM OF 2 FEET (610 MM) HIGHER ABOVE THE FLOOR THAN THE HEIGHT OF THE TALLEST VEHICLE.
EXCEPTIONS:
1. THE REQUIREMENTS OF THIS SECTION SHALL NOT APPLY WHERE THE APPLIANCES ARE PROTECTED FROM MOTOR VEHICLE IMPACT AND INSTALLED IN ACCORDANCE WITH SECTION 305.3 AND NFPA 88B.
2. APPLIANCES INSTALLED IN REPAIR GARAGES SHALL BE SEPARATED FROM REPAIR AREAS BY WALLS OR PARTITIONS, FLOORS, OR FLOOR CEILING ASSEMBLIES THAT ARE CONSTRUCTED SO AS TO PROHIBIT THE TRANSMISSION OF VAPORS AND HAVING A FIRE-RESISTANCE RATING OF NOT LESS THAN ONE HOUR, AND THAT HAVE NO OPENINGS IN THE WALL SEPARATING THE REPAIR AREA WITHIN 8 FEET (2438 MM) OF THE FLOOR. WALL PENETRATION SHALL BE FIRESTOPPED. AIR FOR COMBUSTION PURPOSES SHALL BE OBTAINED FROM THE OUTDOORS. THE HEATING ROOM SHALL NOT BE USED FOR THE STORAGE OF COMBUSTIBLE MATERIALS.
3. HEATING APPLIANCES FOR VEHICLE REPAIR AREAS WHERE THERE IS NO DISPENSING OR TRANSFERRING OF CLASS I OR CLASS II FLAMMABLE OR COMBUSTIBLE LIQUIDS OR LIQUEFIED PETROLEUM GAS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 30A
305.5 PRIVATE GARAGES
APPLIANCES LOCATED IN PRIVATE GARAGES SHALL BE INSTALLED WITH A MINIMUM CLEARANCE OF 6 FEET (1829 MM) ABOVE THE FLOOR.
EXCEPTION: THE REQUIREMENTS OF THIS SECTION SHALL NOT APPLY WHERE THE APPLIANCES ARE PROTECTED FROM MOTOR VEHICLE IMPACT AND INSTALLED IN ACCORDANCE WITH SECTION 305.3.
305.6 CONSTRUCTION AND PROTECTION
BOILER ROOMS AND FURNACE ROOMS SHALL BE PROTECTED AS REQUIRED BY THE NEW YORK CITY BUILDING CODE.
305.7 CLEARANCES FROM GRADE
EQUIPMENT AND APPLIANCES INSTALLED AT GRADE LEVEL SHALL BE SUPPORTED ON A LEVEL CONCRETE SLAB OR OTHER APPROVED MATERIAL EXTENDING ABOVE ADJOINING GRADE OR SHALL BE SUSPENDED A MINIMUM OF 6 INCHES (152 MM) ABOVE ADJOINING GRADE.
305.8 CLEARANCES TO COMBUSTIBLE CONSTRUCTION
HEAT-PRODUCING EQUIPMENT AND APPLIANCES SHALL BE INSTALLED TO MAINTAIN THE REQUIRED CLEARANCES TO COMBUSTIBLE CONSTRUCTION AS SPECIFIED IN THE LISTING AND MANUFACTURER'S INSTRUCTIONS. SUCH CLEARANCES SHALL BE REDUCED ONLY IN ACCORDANCE WITH SECTION 308. CLEARANCES TO COMBUSTIBLES SHALL INCLUDE SUCH CONSIDERATIONS AS DOOR SWING, DRAWER PULL, OVERHEAD PROJECTIONS OR SHELVING AND WINDOW SWING. DEVICES, SUCH AS DOOR STOPS OR LIMITS AND CLOSERS, SHALL NOT BE USED TO PROVIDE THE REQUIRED CLEARANCES.

SECTION FGC 306
ACCESS AND SERVICE SPACE

306.1 CLEARANCES FOR MAINTENANCE AND REPLACEMENT
CLEARANCES AROUND APPLIANCES TO ELEMENTS OF PERMANENT CONSTRUCTION, INCLUDING OTHER INSTALLED APPLIANCES, SHALL BE SUFFICIENT TO ALLOW INSPECTION, SERVICE, REPAIR OR REPLACEMENT WITHOUT REMOVING SUCH ELEMENTS OF PERMANENT CONSTRUCTION OR DISABLING THE FUNCTION OF A REQUIRED FIRE-RESISTANCE-RATED ASSEMBLY.
306.2 APPLIANCES IN ROOMS
ROOMS CONTAINING APPLIANCES REQUIRING ACCESS SHALL BE PROVIDED WITH A DOOR AND AN UNOBSTRUCTED PASSAGEWAY MEASURING NOT LESS THAN 36 INCHES (914 MM) WIDE AND 80 INCHES (2032 MM) HIGH.
EXCEPTION: WITHIN A DWELLING UNIT, APPLIANCES INSTALLED IN A COMPARTMENT, ALCOVE, BASEMENT OR SIMILAR SPACE SHALL BE PROVIDED WITH ACCESS BY AN OPENING OR DOOR AND AN UNOBSTRUCTED PASSAGEWAY MEASURING NOT LESS THAN 24 INCHES (610 MM) WIDE AND LARGE ENOUGH TO ALLOW REMOVAL OF THE LARGEST APPLIANCE IN THE SPACE, PROVIDED THAT A LEVEL SERVICE SPACE OF NOT LESS THAN 30 INCHES (762 MM) DEEP AND THE HEIGHT OF THE APPLIANCE, BUT NOT LESS THAN 30 INCHES (762 MM), IS PRESENT AT THE FRONT OR SERVICE SIDE OF THE APPLIANCE WITH THE DOOR OPEN.
306.3 APPLIANCES IN ATTICS
ATTICS CONTAINING APPLIANCES REQUIRING ACCESS SHALL BE PROVIDED WITH AN OPENING AND UNOBSTRUCTED PASSAGEWAY LARGE ENOUGH TO ALLOW REMOVAL OF THE LARGEST COMPONENT OF THE APPLIANCE. THE PASSAGEWAY SHALL NOT BE LESS THAN 30 INCHES (762 MM) HIGH AND 22 INCHES (559 MM) WIDE AND NOT MORE THAN 20 FEET (6096 MM) IN LENGTH WHEN MEASURED ALONG THE CENTERLINE OF THE PASSAGEWAY FROM THE OPENING TO THE EQUIPMENT. THE PASSAGEWAY SHALL HAVE CONTINUOUS SOLID FLOORING NOT LESS THAN 24 INCHES (610 MM) WIDE. A LEVEL SERVICE SPACE NOT LESS THAN 30 INCHES (762 MM) DEEP AND 30 INCHES (762 MM) WIDE SHALL BE PRESENT AT THE FRONT OR SERVICE SIDE OF THE EQUIPMENT. THE CLEAR ACCESS OPENING DIMENSIONS SHALL BE A MINIMUM OF 20 INCHES BY 30 INCHES (508 MM BY 762 MM), WHERE SUCH DIMENSIONS ARE LARGE ENOUGH TO ALLOW REMOVAL OF THE LARGEST COMPONENT OF THE APPLIANCE.
EXCEPTIONS:
1. THE PASSAGEWAY AND LEVEL SERVICE SPACE ARE NOT REQUIRED WHERE THE APPLIANCE IS CAPABLE OF BEING SERVICED AND REMOVED THROUGH THE REQUIRED OPENING.
2. WHERE THE PASSAGEWAY IS NOT LESS THAN 6 FEET (1829 MM) HIGH FOR ITS ENTIRE LENGTH, THE PASSAGEWAY SHALL BE NOT GREATER THAN 50 FEET (15 250 MM) IN LENGTH.

306.3.1 ELECTRICAL REQUIREMENTS
A LIGHTING FIXTURE CONTROLLED BY A SWITCH LOCATED AT THE REQUIRED PASSAGEWAY OPENING AND A RECEPTACLE OUTLET SHALL BE PROVIDED AT OR NEAR THE EQUIPMENT LOCATION IN ACCORDANCE WITH THE NEW YORK CITY ELECTRICAL CODE.
306.4 APPLIANCES UNDER FLOORS
UNDER-FLOOR SPACES CONTAINING APPLIANCES REQUIRING ACCESS SHALL BE PROVIDED WITH AN ACCESS OPENING AND UNOBSTRUCTED PASSAGEWAY LARGE ENOUGH TO REMOVE THE LARGEST COMPONENT OF THE APPLIANCE. THE PASSAGEWAY SHALL NOT BE LESS THAN 30 INCHES (762 MM) HIGH AND 22 INCHES (559 MM) WIDE, NOR MORE THAN 20 FEET (6096 MM) IN LENGTH WHEN MEASURED ALONG THE CENTERLINE OF THE PASSAGEWAY FROM THE OPENING TO THE EQUIPMENT. A LEVEL SERVICE SPACE NOT LESS THAN 30 INCHES (762 MM) DEEP AND 30 INCHES (762 MM) WIDE SHALL BE PRESENT AT THE FRONT OR SERVICE SIDE OF THE APPLIANCE. IF THE DEPTH OF THE PASSAGEWAY OR THE SERVICE SPACE EXCEEDS 12 INCHES (305 MM) BELOW THE ADJOINING GRADE, THE WALLS OF THE PASSAGEWAY SHALL BE LINED WITH CONCRETE OR MASONRY EXTENDING 4 INCHES (102 MM) ABOVE THE ADJOINING GRADE AND HAVING SUFFICIENT LATERAL-BEARING CAPACITY TO RESIST COLLAPSE. THE CLEAR ACCESS OPENING DIMENSIONS SHALL BE A MINIMUM OF 22 INCHES BY 30 INCHES (559 MM BY 762 MM), WHERE SUCH DIMENSIONS ARE LARGE ENOUGH TO ALLOW REMOVAL OF THE LARGEST COMPONENT OF THE APPLIANCE.
EXCEPTIONS:
1. THE PASSAGEWAY IS NOT REQUIRED WHERE THE LEVEL SERVICE SPACE IS PRESENT WHEN THE ACCESS IS OPEN AND THE APPLIANCE IS CAPABLE OF BEING SERVICED AND REMOVED THROUGH THE REQUIRED OPENING.
2. WHERE THE PASSAGEWAY IS NOT LESS THAN 6 FEET HIGH (1829 MM) FOR ITS ENTIRE LENGTH, THE PASSAGEWAY SHALL NOT BE LIMITED IN LENGTH.

306.4.1 ELECTRICAL REQUIREMENTS
A LIGHTING FIXTURE CONTROLLED BY A SWITCH LOCATED AT THE REQUIRED PASSAGEWAY OPENING AND A RECEPTACLE OUTLET SHALL BE PROVIDED AT OR NEAR THE EQUIPMENT LOCATION IN ACCORDANCE WITH THE NEW YORK CITY ELECTRICAL CODE.

306.5 APPLIANCES ON ROOFS OR ELEVATED STRUCTURES
WHERE APPLIANCES REQUIRING ACCESS ARE INSTALLED ON ROOFS OR ELEVATED STRUCTURES AT A HEIGHT EXCEEDING 16 FEET (4877 MM), SUCH ACCESS SHALL BE PROVIDED BY A PERMANENT MEANS OF ACCESS DESIGNED BY A REGISTERED DESIGN PROFESSIONAL, THE EXTENT OF WHICH SHALL BE FROM GRADE OR FLOOR LEVEL TO THE APPLIANCE'S LEVEL SERVICE SPACE. SUCH ACCESS SHALL NOT REQUIRE CLIMBING OVER OBSTRUCTIONS GREATER THAN 30 INCHES HIGH (762 MM) OR WALKING ON ROOFS HAVING A SLOPE GREATER THAN FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE).
PERMANENT LADDERS INSTALLED TO PROVIDE THE REQUIRED ACCESS SHALL COMPLY WITH THE FOLLOWING MINIMUM DESIGN CRITERIA.
1. THE SIDE RAILING SHALL EXTEND ABOVE THE PARAPET OR ROOF EDGE NOT LESS THAN 30 INCHES (762 MM).
2. LADDERS SHALL HAVE A RUNG SPACING NOT TO EXCEED 14 INCHES (356 MM) ON CENTER.
3. LADDERS SHALL HAVE A TOE SPACING NOT LESS THAN 6 INCHES (152 MM) DEEP.
4. THERE SHALL BE A MINIMUM OF 18 INCHES (457 MM) BETWEEN RAILS.
5. RUNGS SHALL HAVE A MINIMUM DIAMETER OF 0.75-INCH (19 MM) AND SHALL BE CAPABLE OF WITHSTANDING A 300-POUND (136.1 KG) LOAD.
6. LADDERS OVER 30 FEET (9144 MM) IN HEIGHT SHALL BE PROVIDED WITH OFFSET SECTIONS AND LANDINGS CAPABLE OF WITHSTANDING A LOAD OF 100 POUNDS PER SQUARE FOOT (488.2 KG/M^2).
7. LADDERS SHALL BE PROTECTED AGAINST CORROSION BY MEANS DESIGNED BY A REGISTERED DESIGN PROFESSIONAL. CATWALKS INSTALLED TO PROVIDE THE REQUIRED ACCESS SHALL BE NOT LESS THAN 24 INCHES WIDE (610 MM) AND SHALL HAVE RAILINGS AS REQUIRED FOR SERVICE PLATFORMS.

EXCEPTION: THIS SECTION SHALL NOT APPLY TO GROUP R-3 OCCUPANCIES.
306.5.1 SLOPED ROOFS
WHERE APPLIANCES ARE INSTALLED ON A ROOF HAVING A SLOPE OF THREE UNITS VERTICAL IN 12 UNITS HORIZONTAL (25-PERCENT SLOPE) OR GREATER AND HAVING AN EDGE MORE THAN 30 INCHES (762 MM) ABOVE GRADE AT SUCH EDGE, A LEVEL PLATFORM SHALL BE PROVIDED ON EACH SIDE OF THE APPLIANCE TO WHICH ACCESS IS REQUIRED BY THE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR SERVICE, REPAIR OR MAINTENANCE. THE PLATFORM SHALL NOT BE LESS THAN 30 INCHES (762 MM) IN ANY DIMENSION AND SHALL BE PROVIDED WITH GUARDS IN ACCORDANCE WITH SECTION 306.6.
306.5.2 ELECTRICAL REQUIREMENTS
A RECEPTACLE OUTLET SHALL BE PROVIDED AT OR NEAR THE EQUIPMENT LOCATION IN ACCORDANCE WITH THE NEW YORK CITY ELECTRICAL CODE.
306.6 GUARDS
GUARDS SHALL BE PROVIDED WHERE APPLIANCES, FANS OR OTHER COMPONENTS THAT REQUIRE SERVICE ARE LOCATED WITHIN 10 FEET (3048 MM) OF A ROOF EDGE OR OPEN SIDE OF A WALKING SURFACE AND SUCH EDGE OR OPEN SIDE IS LOCATED MORE THAN 30 INCHES (762 MM) ABOVE THE FLOOR, ROOF OR GRADE BELOW. THE GUARD SHALL EXTEND NOT LESS THAN 30 INCHES (762 MM) BEYOND EACH END OF SUCH APPLIANCES, FANS OR OTHER COMPONENTS AND THE TOP OF THE GUARD SHALL BE LOCATED NOT LESS THAN 42 INCHES (1067 MM) ABOVE THE ELEVATED SURFACE ADJACENT TO THE GUARD. THE GUARD SHALL BE CONSTRUCTED SO AS TO PREVENT THE PASSAGE OF A 21-INCH-DIAMETER (533 MM) SPHERE AND SHALL COMPLY WITH THE LOADING REQUIREMENTS FOR GUARDS SPECIFIED IN THE NEW YORK CITY BUILDING CODE.

SECTION FGC 307
CONDENSATE DISPOSAL

307.1 FUEL-BURNING APPLIANCES
LIQUID COMBUSTION BY-PRODUCTS OF CONDENSING APPLIANCES SHALL BE COLLECTED AND DISCHARGED TO A DEDICATED PLUMBING FIXTURE, OR TO A DISPOSAL AREA IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. CONDENSATE PIPING SHALL BE OF CORROSION-RESISTANT MATERIAL AND SHALL NOT BE SMALLER THAN THE DRAIN CONNECTION ON THE APPLIANCE. SUCH PIPING SHALL MAINTAIN A MINIMUM SLOPE IN THE DIRECTION OF DISCHARGE OF NOT LESS THAN ONE-EIGHTH UNIT VERTICAL IN 12 UNITS HORIZONTAL (1-PERCENT SLOPE).
307.2 DRAIN PIPE MATERIALS AND SIZES
COMPONENTS OF THE CONDENSATE DISPOSAL SYSTEM SHALL BE CAST IRON, GALVANIZED STEEL, COPPER, POLYETHYLENE, ABS, CPVC OR PVC PIPE OR TUBING. ALL COMPONENTS SHALL BE SELECTED FOR THE PRESSURE AND TEMPERATURE RATING OF THE INSTALLATION. CONDENSATE WASTE AND DRAIN LINE SIZE SHALL BE NOT LESS THAN 3/4-INCH INTERNAL DIAMETER (19 MM) AND SHALL NOT DECREASE IN SIZE FROM THE DRAIN CONNECTION TO THE PLACE OF CONDENSATE DISPOSAL WHERE THE DRAIN PIPES FROM MORE THAN ONE UNIT ARE MANIFOLDED TOGETHER FOR CONDENSATE DRAINAGE, THE PIPE OR TUBING SHALL BE SIZED BY A REGISTERED DESIGN PROFESSIONAL. ALL HORIZONTAL SECTIONS OF DRAIN PIPING SHALL BE INSTALLED IN UNIFORM ALIGNMENT AT A UNIFORM SLOPE.
307.3 TRAPS
CONDENSATE DRAINS SHALL BE TRAPPED AS REQUIRED BY THE EQUIPMENT OR APPLIANCE MANUFACTURER.
307.4 EVAPORATORS AND COOLING COILS
DRAINAGE OF CONDENSATE FROM EVAPORATORS AND COOLING COILS SHALL BE PERFORMED IN ACCORDANCE WITH THE NEW YORK CITY MECHANICAL CODE.
307.5 EXCEPTIONS. SECTION 307.5 APPLIES TO PERMANENTLY INSTALLED EQUIPMENT. WINDOW UNITS AND THROUGH-THE-WALL AIR-CONDITIONING UNITS ARE EXEMPT.

SECTION FGC 308
CLEARANCE REDUCTION

308.1 SCOPE
THIS SECTION SHALL GOVERN THE REDUCTION IN REQUIRED CLEARANCES TO COMBUSTIBLE MATERIALS AND COMBUSTIBLE ASSEMBLIES FOR CHIMNEYS, VENTS, APPLIANCES, DEVICES AND EQUIPMENT. CLEARANCE REQUIREMENTS FOR AIR-CONDITIONING EQUIPMENT AND CENTRAL HEATING BOILERS AND FURNACES SHALL COMPLY WITH SECTIONS 308.3 AND 308.4.
308.2 REDUCTION TABLE
THE ALLOWABLE CLEARANCE REDUCTION SHALL BE BASED ON ONE OF THE METHODS SPECIFIED IN TABLE 308.2 OR SHALL UTILIZE AN ASSEMBLY LISTED FOR SUCH APPLICATION. WHERE REQUIRED CLEARANCES ARE NOT LISTED IN TABLE 308.2, THE REDUCED CLEARANCES SHALL BE DETERMINED BY LINEAR INTERPOLATION BETWEEN THE DISTANCES LISTED IN THE TABLE. REDUCED CLEARANCES SHALL NOT BE DERIVED BY EXTRAPOLATION BELOW THE RANGE OF THE TABLE. THE REDUCTION OF THE REQUIRED CLEARANCES TO COMBUSTIBLES FOR LISTED AND LABELED APPLIANCES AND EQUIPMENT SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THIS SECTION EXCEPT THAT SUCH CLEARANCES SHALL NOT BE REDUCED WHERE REDUCTION IS SPECIFICALLY PROHIBITED BY THE TERMS OF THE APPLIANCE OR EQUIPMENT LISTING [SEE FIGURES 308.2(1) THROUGH 308.2(3)]

THE NEW YORK CITY APPENDIX-A CHAPTER 24 REFUSE CHUTES AND REFUSE ROOMS

24-01 CONSTRUCTION AND MAINTENANCE OF REFUSE CHUTES AND REFUSE ROOMS.
(A) REFUSE CHUTE ENCLOSURES.REFUSE CHUTES USED FOR CONVEYANCE OF GARBAGE AND RUBBISH FROM UPPER FLOORS OF A BUILDING TO A CELLAR OR OTHER LOCATION SHALL BE CONSTRUCTED WITH AN ENCLOSURE OF BRICK MASONRY AT LEAST EIGHT INCHES IN THICKNESS OR OF REINFORCED CONCRETE AT LEAST SIX INCHES IN THICKNESS, EXCEPT AS OTHERWISE PROVIDED IN THIS SECTION.

(B) HEIGHT AND SERVICE OPENINGS. REFUSE CHUTES SHALL EXTEND FROM THE REFUSE COLLECTION ROOM TO A HEIGHT OF AT LEAST SIX FEET ABOVE THE ROOF. A SPARK ARRESTOR SHALL BE PROVIDED AT THE TOP OF THE CHUTE ABOVE THE ROOF. SERVICE OPENINGS INTO THE CHUTE SHALL BE EQUIPPED WITH APPROVED SELF-CLOSING HOPPERS SO CONSTRUCTED THAT THE CHUTE IS CLOSED OFF WHILE THE HOPPER IS BEING LOADED AND SO THAT NO PART WILL PROJECT INTO THE CHUTE. THE AREA OF SERVICE OPENING SHALL NOT EXCEED ONE THIRD THE AREA OF THE CHUTE. HOPPER DOORS SHALL HAVE A FIRE RESISTIVE RATING OF AT LEAST ONE HOUR, UNLESS SEPARATED FROM THE CORRIDOR BY A FIREPROOF, SELF-CLOSING DOOR IN WHICH CASE THEY SHALL BE CONSTRUCTED OF INCOMBUSTIBLE MATERIAL.

(C) EXISTING FLUES AND REFUSE CHUTES. FLUES FOR EXISTING INCINERATORS MAY BE USED FOR REFUSE CHUTES PROVIDED SUCH FLUES ARE IN GOOD CONDITION AND PROVIDED THE FLUES COMPLY WITH THE PROVISIONS OF SUBDIVISIONS (A) AND (B) OF THIS SECTION. EXISTING REFUSE CHUTES MAY BE CONTINUED IN USE PROVIDED THEY CONFORM TO THE PROVISIONS OF SUBDIVISIONS (A) AND (B) OF THIS SECTION, EXCEPT THAT EXISTING REFUSE CHUTES OF OTHER CONSTRUCTION, WHICH HAVE BEEN APPROVED BY THE DEPARTMENT MAY BE RETAINED.

(D) REFUSE CHUTES IN NEW CONSTRUCTION. WHERE REFUSE COMPACTING SYSTEMS ARE REQUIRED HEREAFTER IN NEW CONSTRUCTION, REFUSE CHUTES SHALL BE REQUIRED FOR CONVEYANCE OF GARBAGE AND RUBBISH TO REFUSE COLLECTION ROOMS, EXCEPT THAT REFUSE CHUTES WILL NOT BE REQUIRED IN CLASS A MULTIPLE DWELLINGS WHICH ARE FOUR STORIES OR LESS IN HEIGHT. REFUSE CHUTES ERECTED HEREAFTER IN NEW CONSTRUCTION SHALL BE OF A TYPE APPROVED BY THE BOARD OR SHALL COMPLY WITH THE REQUIREMENTS OF SUBDIVISIONS (A) AND (B) OF THIS SECTION. CHUTES SHALL BE CONSTRUCTED STRAIGHT AND PLUMB, WITHOUT PROJECTIONS OF ANY KIND WITHIN THE CHUTE. REFUSE CHUTES SHALL HAVE AN INSIDE DIMENSION OF AT LEAST TWENTY-FOUR INCHES FOR THE FULL HEIGHT OF THE CHUTE. ALL CHUTES SHALL BE SUPPORTED ON FIREPROOF CONSTRUCTION HAVING AT LEAST A THREE HOUR RESISTIVE RATING.

THE NEW YORK CITY APPENDIX-A CHAPTER 24 REFUSE CHUTES AND REFUSE ROOMS (CONTINUED)

(E) REFUSE COLLECTION ROOMS. A REFUSE COLLECTION ROOM SHALL BE PROVIDED AT THE BOTTOM OF ALL CHUTES AT THE CELLAR OR LOWEST STORY LEVEL TO RECEIVE THE REFUSE. SUCH ROOMS SHALL BE ENCLOSED WITH WALLS AND ROOFS CONSTRUCTED OF MATERIAL HAVING A MINIMUM FIRE RESISTIVE RATING OF THREE HOURS, EXCEPT THAT GYPSUM MASONRY MAY NOT BE USED FOR SUCH ENCLOSURE WALLS. OPENINGS TO SUCH ROOMS SHALL BE PROVIDED WITH FIREPROOF, SELF-CLOSING DOORS HAVING A MINIMUM FIRE RESISTIVE RATING OF ONE AND ONE-HALF HOURS. IT SHALL BE UNLAWFUL TO KEEP SUCH DOORS OPEN. REFUSE CHUTES SHALL EXTEND TO THE UNDERSIDE OF THE ROOF OF THE REFUSE ROOM OR LOWER. ROOFS SHALL BE AT LEAST SIX INCHES AWAY FROM COMBUSTIBLE FLOOR OR WALL CONSTRUCTION. REFUSE ROOMS SHALL BE USED ONLY FOR RECEIPT OF REFUSE AND FOR REFUSE COMPACTING EQUIPMENT. REFUSE ROOMS SHALL BE PROVIDED WITH SUFFICIENT SPRINKLERS TO SPRINKLE ALL PARTS OF THE ROOM, WITH AT LEAST TWO SPRINKLER HEADS PROVIDED AND WITH SPRINKLERS SO SEPARATED AS TO SPRINKLE A MAXIMUM AREA OF THE ROOM WHEN ONE OF THE SPRINKLERS IS BLOCKED OR NOT OPERATING. A HOSE CONNECTION SHALL BE PROVIDED WITHIN THE REFUSE ROOM. EXISTING REFUSE ROOMS AND INCINERATOR ROOMS THAT HAVE BEEN APPROVED BY THE DEPARTMENT FOR SUCH USE MAY BE RETAINED AS APPROVED.

(F) COLLECTION ROOM FLOORS. THE FLOOR WITHIN THE ROOM FOR THE COLLECTION OF REFUSE SHALL BE CONSTRUCTED OF CONCRETE AND SHALL BE SLOPED TO A FLOOR DRAIN WITHIN THE ROOM CONNECTED TO THE HOUSE DRAIN. THE DRAIN SHALL BE PROVIDED WITH A PROTECTIVE SCREEN TO RETAIN SOLID MATERIAL. FLOOR DRAIN TRAPS SHALL BE READILY ACCESSIBLE FOR CLEANING.

(G) USE OF EXISTING COMBUSTION CHAMBERS. EXISTING INCINERATOR COMBUSTION CHAMBERS MAY BE USED IN WHOLE OR IN PART AS REFUSE COLLECTING ROOMS FOR COLLECTION OF REFUSE AND FOR COMPACTING EQUIPMENT PROVIDED THE GRATES ARE REMOVED AND PROVIDED THEY COMPLY WITH THE PROVISIONS OF SUBDIVISION (E) OF THIS SECTION.

(H) SPRINKLER OPERATION AND WATER SUPPLY. SPRINKLERS SHALL BE DESIGNED TO OPERATE AUTOMATICALLY AT A TEMPERATURE NOT EXCEEDING ONE HUNDRED SIXTY-FIVE DEGREES FAHRENHEIT. THEY MAY BE ELECTRICALLY CONTROLLED PROVIDED SUCH SPRINKLERS ARE APPROVED BY THE BOARD OF STANDARDS AND APPEALS. SPRINKLERS MAY BE CONNECTED TO THE COLD WATER SUPPLY OF THE BUILDING AT THE POINT WHERE SUCH SERVICE ENTERS THE BUILDING OR AT THE BASE OF A WATER SUPPLY RISER PROVIDED THE PIPING OF SUCH SERVICE OR RISER IS OF ADEQUATE SIZE. NO CONNECTIONS, EXCEPT THOSE FOR SPRINKLERS, SHALL BE MADE TO THE SPRINKLER PIPING.

(I) HOPPERS, CUT OFF DOORS AND COMPACTORS. A HOPPER AND CUT OFF DOOR SHALL BE PROVIDED AT THE BOTTOM OF THE REFUSE CHUTE TO REGULATE AND GUIDE THE FLOW OF REFUSE INTO CONTAINERS. WHERE COMPACTORS ARE INSTALLED SO THAT THE REFUSE FLOWS DIRECTLY INTO THE COMPACTING EQUIPMENT, A HOPPER MAY BE USED IN PLACE OF THE HOPPER AND CUT OFF DOOR. COMPACTING EQUIPMENT SHALL BE ARRANGED TO OPERATE AUTOMATICALLY WHEN THE LEVEL OF RUBBISH IS NOT HIGHER THAN THREE FEET BELOW THE LOWEST DOOR.
COMPACTORS SHALL BE LOCATED ENTIRELY WITHIN THE ENCLOSURE OF THE REFUSE ROOM AND FORMER COMBUSTION CHAMBER WHERE THE LATTER IS RETAINED, EXCEPT THAT MOTORS, PUMPS AND CONTROLS MAY BE INSTALLED IN ADJACENT ROOMS.
WHERE REFUSE IS REMOVED MANUALLY, THE REFUSE SHALL BE REMOVED WITH SUFFICIENT FREQUENCY SO THAT IT WILL AT NO TIME EXTEND LESS THAN THREE FEET BELOW THE LEVEL OF THE LOWEST HOPPER DOOR OPENING INTO THE CHUTE.

(J) NUMBER OF SPRINKLER HEADS. SUFFICIENT SPRINKLERS SHALL BE INSTALLED IN THE REFUSE ROOM AND FORMER COMBUSTION CHAMBER TO PROVIDE SPRINKLER COVERAGE FOR THE ENTIRE AREA OF EACH UNIT.
(1) ADEQUATE LIGHTING SHALL BE PROVIDED IN REFUSE ROOMS.
(2) REFUSE CHUTES, REFUSE ROOMS, HOPPERS AND ALL PARTS OF THE REFUSE COLLECTING SYSTEM SHALL BE MAINTAINED IN A CLEAN AND SANITARY CONDITION AT ALL TIMES, FREE OF VERMIN, ODORS AND DEFECTS, AND SHALL BE MAINTAINED IN GOOD OPERATING CONDITION. FUSED SPRINKLER HEADS SHALL BE REPLACED PROMPTLY.
(3) THE OWNER SHALL ESTABLISH A PROGRAM TO ENSURE THAT THE REFUSE CHUTE AND THE REFUSE ROOM AND APPURTENANCES WILL BE TREATED AS OFTEN AS MAY BE NECESSARY TO PREVENT INFESTATION WITH INSECTS OR RODENTS. THE OWNER SHALL MAINTAIN A RECORD OF SUCH TREATMENTS WHICH SHALL BE AVAILABLE AT ALL TIMES FOR INSPECTION BY THE DEPARTMENT.

(K) THESE RULES SHALL APPLY ONLY TO REFUSE CHUTES IN NEW CONSTRUCTION AND TO REFUSE CHUTES RESULTING FROM THE CONVERSION OF EXISTING INCINERATOR FLUES AND TO EXISTING REFUSE CHUTES.

(L) COLLECTION AND DISPOSAL OF REFUSE WITHIN PREMISES. THE COLLECTION AND DISPOSAL OF REFUSE WITHIN ANY BUILDING OR ON ANY PREMISES SHALL BE PERFORMED AS DEEMED NECESSARY TO PROVIDE FOR THE SAFETY, HEALTH AND WELL BEING OF THE OCCUPANTS OF BUILDINGS AND OF THE PUBLIC. THE CONSTRUCTION, OPERATION, MAINTENANCE, CLEANLINESS AND SANITATION OF REFUSE CHUTES AND REFUSE ROOMS AND EXTERMINATION TREATMENT FOR INSECTS AND RODENTS, AND THE KEEPING OF RECORDS OF SUCH TREATMENTS FOR REFUSE CHUTES AND REFUSE ROOMS SHALL BE IN ACCORDANCE WITH REGULATIONS ESTABLISHED BY THIS DEPARTMENT IN CONSULTATION WITH THE DEPARTMENT OF HEALTH.

TRASH COMPACTOR NOTES:
TRASH COMPACTOR ROOM LOCATIONS, CLEARLY MARKED
'TRASH COMPACTOR ROOM,' AND THE ROOM'S DIMENSIONS;
(A)TRASH COMPACTOR SIZE, DIMENSIONS, AND LOCATION;
(B)CLEARANCE SPACE SURROUNDING THE TRASH COMPACTOR;
(C)SPRINKLER LOCATIONS IN THE TRASH COMPACTOR ROOM;
(D)ELECTRICAL POWER ACCESS FOR TRASH COMPACTOR EQUIPMENT;
(E)VENTILATION ACCESS TO FRESH AIR (VIA POWER VENTILATION OR WINDOW DUCT);
(F)FLOOR DRAIN CONNECTED TO THE BUILDING DRAIN IN THE TRASH COMPACTOR ROOM;
(G)HOSE BIB LOCATION IN THE TRASH COMPACTOR ROOM. AMEND THE SCHEDULE B FORM, PLUMBING RISER DIAGRAMS, ETC.;
(H) A MINIMUM FIRE RESISTIVE RATING OF THREE HOURS FOR THE COMPACTOR ROOM WALLS AND CEILING MATERIAL ASSEMBLIES. (GYPSUM MASONRY MAY NOT BE USED.)
(I) A FIRE-PROTECTIVE SELF-CLOSING DOOR WITH A MINIMUM FIRE RESISTIVE RATING OF 1-1/2 HOURS;
(J)CONSTRUCTION DETAILS FOR WALL MATERIAL ASSEMBLIES; WITH MIN FIRE RESISTIVE RATING OF 3HRS.
(K)SOUND TRANSMISSION CLASS (STC) RATINGS OF 50 ARE REQUIRED FOR:
(1)ALL COMPACTOR ROOM WALLS; AND
(2)ALL TRASH CHUTE WALLS AND TRASH DISPOSAL ROOM WALLS;
(L)STC AND IMPACT INSULATING CLASS RATINGS FOR FLOOR CONSTRUCTION ABOVE THE COMPACTOR ROOM.

NO TRASH CHUTE COMPLIANCE

IN HOTELS THAT ARE PROVIDED WITH DAILY CLEANING SERVICE, THE COMMISSIONER MAY ACCEPT TRANSIENT HOTELS WITHOUT A REFUSE CHUTE UNDER THE FOLLOWING CONDITIONS:
TRASH CHUTE NOT PROVIDED AS BUILDING MEETS THE FOLLOWING REQUIREMENTS:
1.) THE BUILDING IS OF NON-COMBUSTIBLE CONSTRUCTION CLASS 1B
2.) THE HOTEL ROOMS ARE PROVIDED WITH DAILY CLEANING SERVICE
3.) TH

COMcheck Software Version 3.9.3

Envelope Compliance Certificate

2010 New York Energy Conservation Construction Code

Section 1: Project Information

Project Type: **New Construction**
Project Title : AC 320 Hotel Partners LLC.

Construction Site:
320 West 36 Street
New York, NY 10018

Owner/Agent:
Lance Steinberg
LANDMARK REALTY LLC & RUN 78 LLC
175 CANAL STREET
NEW YORK, NY 10013
(917)428-0027
lance@rsbenterprises.com

Designer/Contractor:
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Stonehill & Taylor Architect P.C.
31 WEST 27TH STREET - 5TH FLOOR
New York, NY 10001
(212) 226-8898
NPARKER@STONEHILLTAYLOR.COM

Section 2: General Information

Building Location (for weather data):	**New York, New York**
Climate Zone:	**4a**
Building Space Conditioning Type(s):	**Nonresidential**
Vertical Glazing / Wall Area Pct.:	**33%**

Activity Type(s)	Floor Area
Hotel	119039

Section 3: Requirements Checklist

Envelope PASSES: Design 0.1% better than code

Climate-Specific Requirements:

Component Name/Description	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Exterior Wall-North: Steel-Framed, 16" o.c.	14350	19.0	9.8	0.053	0.064
Window 1: Metal Frame with Thermal Break, Perf. Type: Other testing/cert. Product ID: pending, SHGC 0.50, PF 0.05 (c)	7641	---	---	0.600	0.550
Exterior Wall-North 2: Solid Concrete:12" Thickness,Normal Density , Furring: Metal	5995	19.0	9.8	0.056	0.104
Window 2: Metal Frame Curtain Wall/Storefront, Perf. Type: Other testing/cert. Product ID: Pending, SHGC 0.50, PF 0.05 (c)	4193	---	---	0.600	0.500
Exterior Wall-East: Concrete Block:8", Solid Grouted,Normal Density , Furring: Metal	14628	19.0	13.0	0.048	0.104
Exterior Wall-South: Metal Building Wall, Single Layer Mineral Fiber	19766	19.0	9.8	0.054	0.084
Window 3: Metal Frame with Thermal Break, Perf. Type: Other testing/cert. Product ID: Pending, SHGC 0.50, PF 0.05 (c)	10821	---	---	0.600	0.550
Exterior Wall 5: Concrete Block:8", Solid Grouted,Normal Density , Furring: Metal	14652	19.0	13.0	0.048	0.104
Roof @27 FLR: Insulation Entirely Above Deck	4114	---	30.0	0.032	0.048
Roof@ Open Area: Insulation Entirely Above Deck	2154	---	30.0	0.032	0.048
Roof @ 22 FLR Setback: Insulation Entirely Above Deck	227	---	30.0	0.032	0.048
Basement Wall 1: Solid Concrete:12" Thickness, Normal Density, Furring: Metal, Wall Ht 13.0, Depth B.G. 13.0	2028	0.0	13.0	0.065	0.579
Basement Wall 2: Solid Concrete:12" Thickness, Normal Density, Furring: None, Wall Ht 13.0, Depth B.G. 13.0	2574	---	0.0	0.630	0.579

Basement Slab: Slab-On-Grade:Unheated	8146	---	---	---	---

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
(b) 'Other' components require supporting documentation for proposed U-factors.
(c) Fenestrations product performance must be certified in accordance with NFRC and requires supporting documentation.

Air Leakage, Component Certification, and Vapor Retarder Requirements:

1. [X] All joints and penetrations are caulked, gasketed or covered with a moisture vapor-permeable wrapping material installed in accordance with the manufacturer's installation instructions.
2. [X] Windows, doors, and skylights certified as meeting leakage requirements.
3. [X] Component R-values & U-factors labeled as certified.
4. [X] No roof insulation is installed on a suspended ceiling with removable ceiling panels.
5. [X] 'Other' components have supporting documentation for proposed U-Factors.
6. [X] Insulation installed according to manufacturer's instructions, in substantial contact with the surface being insulated, and in a manner that achieves the rated R-value without compressing the insulation.
7. [X] Stair, elevator shaft vents, and other outdoor air intake and exhaust openings in the building envelope are equipped with motorized dampers.
8. [ ] Cargo doors and loading dock doors are weather sealed.
9. [ ] Recessed lighting fixtures installed in the building envelope are Type IC rated as meeting ASTM E283, are sealed with gasket or caulk.
10. [X] Building entrance doors have a vestibule equipped with self-closing devices.
    Exceptions:
    - [X] Building entrances with revolving doors.
    - [ ] Doors not intended to be used as a building entrance.
    - [ ] Doors that open directly from a space less than 3000 sq. ft. in area.
    - [ ] Doors used primarily to facilitate vehicular movement or materials handling and adjacent personnel doors.
    - [X] Doors opening directly from a sleeping/dwelling unit.

Section 4: Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed envelope system has been designed to meet the 2010 New York Energy Conservation Construction Code requirements in COMcheck Version 3.9.3 and to comply with the mandatory requirements in the Requirements Checklist.

When a Registered Design Professional has stamped and signed this page, they are attesting that to the best of his/her knowledge, belief, and professional judgment, such plans or specifications are in compliance with the code.

NEILL E PARKER JR REG ARCH — Name - Title
Signature
2014.07.11 — Date

ENERGY CODE PROGRESS INSPECTIONS

	ENVELOPE INSPECTIONS	FREQUENCY (MINIMUM)	REFERENCE STANDARD (SEE ECC CHAPTER 6) OR OTHER CRITERIA	ECC OR OTHER CITATION
IA	ENVELOPE INSPECTIONS			
IA1	PROTECTION OF EXPOSED FOUNDATION INSULATION: INSULATION SHALL BE VISUALLY INSPECTED TO VERIFY PROPER PROTECTION WHERE APPLIED TO THE EXTERIOR OF BASEMENT OR CELLAR WALLS, CRAWL-SPACE WALLS AND/OR THE PERIMETER OF SLAB-ON-GRADE FLOORS.	PRIOR TO BACK-FILL	APPROVED CONSTRUCTION DOCUMENTS	303.2.1
IA2	INSULATION PLACEMENT AND R-VALUES: INSTALLED INSULATION FOR EACH COMPONENT OF THE CONDITIONED SPACE ENVELOPE AND AT JUNCTIONS BETWEEN COMPONENTS SHALL BE VISUALLY INSPECTED TO ENSURE THAT THE R-VALUES ARE MARKED, THAT SUCH R-VALUES CONFORM TO THE R-VALUES IDENTIFIED IN THE CONSTRUCTION DOCUMENTS AND THAT THE INSULATION IS PROPERLY INSTALLED. CERTIFICATIONS FOR UNMARKED INSULATION SHALL BE SIMILARLY VISUALLY INSPECTED.	AS REQUIRED TO VERIFY CONTINUOUS ENCLOSURE WHILE WALLS, CEILINGS AND FLOORS ARE OPEN	APPROVED CONSTRUCTION DOCUMENTS	303.1, 303.1.1, 303.1.2, 402.1, 402.2, 402.4.2.2, TABLE 402.4.2
IA3	FENESTRATION THERMAL VALUES AND PRODUCT RATINGS: U-FACTORS OF INSTALLED FENESTRATION SHALL BE VERIFIED BY VISUAL INSPECTION FOR CONFORMANCE WITH THE U-FACTORS IDENTIFIED IN THE CONSTRUCTION DRAWINGS, EITHER BY VERIFYING THE MANUFACTURER'S NFRC LABELS OR, WHERE NOT LABELED, USING THE RATINGS IN ECC TABLES 303.1.3(1) AND (2).	AS REQUIRED DURING INSTALL.	APPROVED CONSTRUCTION DRAWINGS;NFRC 100	303.1, 303.1.3, 402.1, 402.3, 402.6
IA4	FENESTRATION PRODUCT RATINGS FOR AIR LEAKAGE: WINDOWS, SKYLIGHTS AND SLIDING GLASS DOORS, EXCEPT SITE-BUILT WINDOWS, SKYLIGHTS AND DOORS, SHALL BE VISUALLY INSPECTED TO VERIFY THAT INSTALLED ASSEMBLIES ARE LISTED AND LABELED TO THE REFERENCED STANDARD.	AS REQUIRED DURING INSTALL.	NFRC 400, AAMA/WDMA/CSA 101/I.S.2/A440	402.4.4
IA5	FENESTRATION AREAS: DIMENSIONS OF WINDOWS, DOORS AND SKYLIGHTS SHALL BE VERIFIED BY VISUAL INSPECTION.	PRIOR TO FINAL CONSTR. INSPECTION	APPROVED CONSTRUCTION DOCUMENTS	402.4.1, 402.4.2.2, 402.4.3
IA6	AIR SEALING AND INSULATION – VISUAL INSPECTION OPTION: OPENINGS AND PENETRATIONS IN THE BUILDING ENVELOPE, INCLUDING SITE-BUILT FENESTRATION AND DOORS, SHALL BE VISUALLY INSPECTED TO VERIFY THAT THEY ARE PROPERLY SEALED, IN ACCORDANCE WITH TABLE 402.4.2.	PRIOR TO FINAL CONSTR. INSPECTION	APPROVED CONSTRUCTION DOCUMENTS	402.3, 402.6
IA6	AIR SEALING AND INSULATION – TESTING OPTION: TESTING SHALL BE PERFORMED IN ACCORDANCE WITH SECTION ECC 402.4.2.1 AND SHALL BE ACCEPTED IF THE BUILDING MEETS THE REQUIREMENTS DETAILED IN SUCH SECTION. TEST RESULTS SHALL BE RETAINED IN ACCORDANCE WITH THE PROVISIONS OF TITLE 28.	PRIOR TO FINAL CONSTR. INSPECTION	ASHRAE/ASTM E779; ANSI Z65; APPROVED CONSTRUCTION DOCUMENTS	402.4.2.1
IIA9	BUILDING ENTRANCE VESTIBULES: REQUIRED ENTRANCE VESTIBULES SHALL BE VISUALLY INSPECTED FOR PROPER OPERATION.	PRIOR TO FINAL CONSTR. INSPECTION	APPROVED CONSTRUCTION DOCUMENTS	502.4.6; ASHRAE 90.1 – 5.4.3.4

BLOCK: 759 LOT: 55

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

Project Team

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Seal

Project

AC 320 HOTEL PARTNERS LLC
NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

ENVELOPE COMPLIANCE CERTIFICATE

Drawing Number ## of

EN-100.00

DOB B-Scan

AS NOTED 21362

Zoning Analysis 320-328 West 36 Street, New York, NY

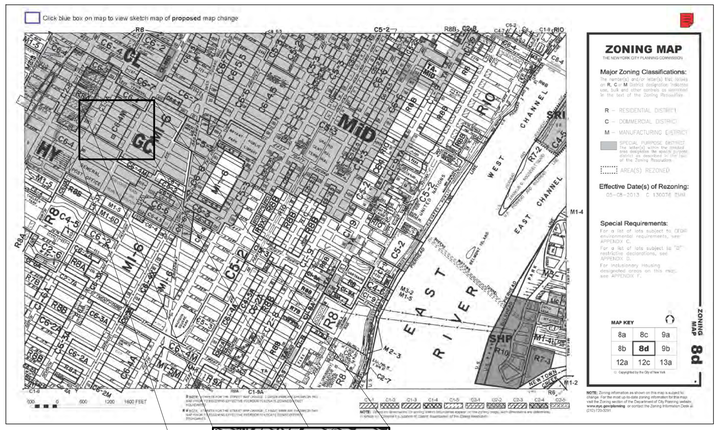
Block: 759

Lot: 55

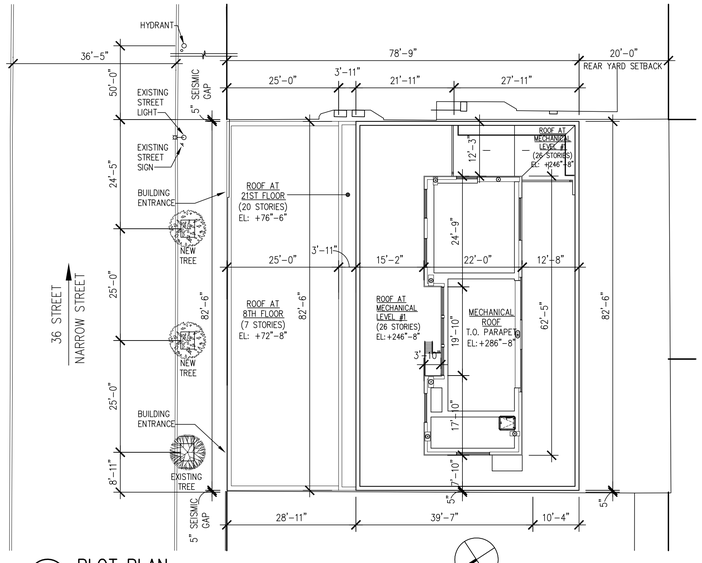
Zoning District: C6-4M (Special Garment Center Distric & Preservation Area P2)

Zoning Map: 8d

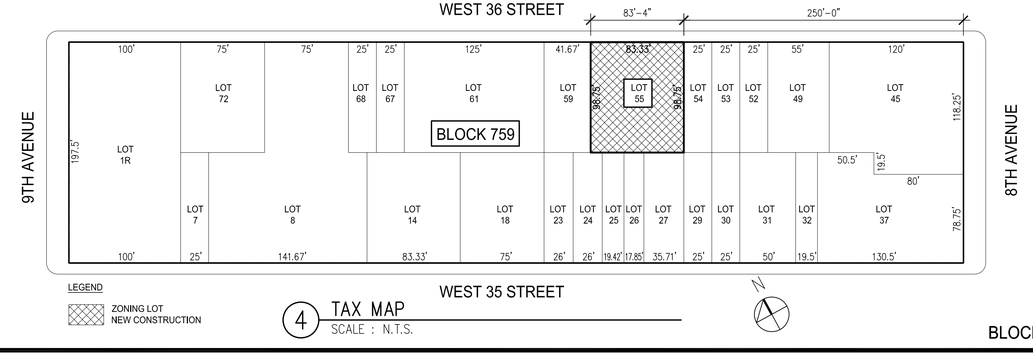
Zoning Resolution	Description	Zoning Text	Allowed/ Required	Proposed	Compliance
	Commercial District Regulations				
32-10	Uses permitted AS-OF-RIGHT	See ZR32-14 & ZR32-15			
32-14	Use Group 5	Transient Accommodations (Hotel)	5	5	Complies
32-15	Use Group 10	Eating or drinking establishment	10	10	Complies
26-41	Street tree Planting	In accordance with applicability requirements of underlying district regulations, one street tree, pre-existing or newly planted, shall be provided for every 25 feet of street frontage of the zoning lot. Fractions equal to or greater than one-half resulting from this calculation shall be considered to be one tree. Such trees shall be planted at approximately equal intervals along the entire length of the curb of the street adjacent to the zoning lot.	1 per 25'	1 existing tree 2 proposed trees 3 Total (See Z-001.00)	Complies
33-10	**Floor Area Regulations**				
33-12	Maximum Permitted Floor Area	See ZR 93-31 & ZR 121-31			
33-25	Minimum Required Side Yards	No side yards are required.	N/A	N/A	
33-26	Minimum Required Rear Yards	In all districts, as indicated, a rear yard with a depth of not less than 20 feet shall be provided at every rear lot line on any zoning lot.	20' Min.	20' (See Z-001.00)	Complies
33-40	**Height and Setback Regulations**				
33-42	Permitted Obstructions	Elevator and stair bulkheads (including shafts; and vestibules not larger than 60 square feet in area providing access to a roof), roof water tanks and accessory mechanical equipment (including enclosures) provided that such obstructions and screening are contained within a volume that complies with one of the following. The lot coverage of all such obstructions does not exceed 20 % of the lot coverage of the building, and where the maximum permitted height of a building is 120 feet or greater, such obstructions are limited to a maximum height of 40 feet.	20% of Building Lot Coverage: Area: 1,300 sf Height: 40'-0"	Mechanical/ elevator/Stair Bulkhead obstruction. Area=1,298.5 sf Height=40'-0" (See Z-002.00)	Complies
33-451	Tower Regulations In certain specified Commercial Districts	In the districts indicated, any buildings or portions thereof which in the aggregate occupy not more than 40 percent of the lot area of a zoning lot or, for zoning lots of less than 20,000 square feet, the percent set forth in Section 33-454 (Towers on small lots), may penetrate an established sky exposure plane. (Such building or portion thereof is hereinafter referred to as a tower.) At any given level, except where the provisions set forth in Section 33-455 (Alternate regulations for towers on lots bounded by two or more streets) or 33-456 (Alternate setback regulations on lots bounded by two or more streets) or 33-457 (Tower setbacks on narrow blocks) are applicable and where the option is taken to be governed by such provisions, such tower may occupy any portion of the zoning lot not located less than 15 feet from the street line of a narrow street, or less than 10 feet from the street line of a wide street, provided that the aggregate area so occupied within 50 feet of a narrow street shall not exceed 1,875 square feet.....	Max. Area 1,875sf within 50' of the Narrow Street.	Floors: 21-26 Penetrate the sky exposure plane and have an area of 1,742sf provided within 50' of the Narrow Street. (See Z-002.00)	Complies
36-711	BICYCLE PARKING	In all districts, as indicated, enclosed #accessory# bicycle parking spaces shall be provided for at least that amount specified for the applicable #use# set forth in the table in this Section.	1 Per 10,000 square feet of floor area	10 spaces @ 15sf. (151sf. Total) provided at cellar. (See Z-002.00)	Complies
93-31	District Improvement Fund Bonus	In Area P-2 of the Special Garment Center District and in the Special Hudson Yards District, except in Subdistrict F, the Chairperson of the City Planning Commission shall allow, by certification, the applicable basic maximum floor area ratio to be increased up to the maximum amount specified in Sections 93-21, 93-22 or 121-31, as applicable, provided that instruments in a form acceptable to the City are executed and recorded and that, thereafter, a contribution has been deposited in the Hudson Yards District Improvement Fund.		CPC Hudson Yards Final Certification has been E-submitted.	Complies
93-80	OFF-STREET PARKING REGULATIONS	In Subdistricts A, B, C, D and E, the regulations governing permitted accessory off-street parking spaces of Article I, Chapter 3 (Comprehensive Off-Street Parking and Loading Regulations in the Manhattan Core), and Article II, Chapter 5; Article III, Chapter 6; and Article IV, Chapter 4 (Accessory Off-Street Parking and Loading Regulations) shall not apply, except as set forth in this Section. In lieu thereof, the provisions of this Section, inclusive, shall apply. In Subdistrict F, the regulations of Article I, Chapter 3, shall apply.	Permitted Parking/None Required	None Provided	Complies
93-90	HARASSMENT	Exempt hotel "Exempt hotel" shall mean any multiple dwelling: (i) which is a transient hotel and was a transient hotel on the referral date; (ii) in which no residential occupant is, or was on the referral date, entitled to a renewal lease or otherwise entitled to continued occupancy pursuant to the Local Housing Emergency Rent Control Act, as amended, the City Rent and Rehabilitation Law, as amended, the Rent Stabilization Law of 1969, as amended, or the Emergency Tenant Protection Act of 1974, as amended; and (iii) which has been exempted from the provisions of this Section by written determination of the Department of Housing Preservation and Development.	None required	None reqruied	Complies
121-31	Maximum Permitted Floor Area	The basic maximum floor area ratio of a zoning lot containing non-residential buildings shall be 10.0 and may be increased to a maximum #floor area ratio# of 12.0 only pursuant to Section 93-31 (District Improvement Fund Bonus).	Maximum Allowable 98,746 sf	98,558 sf	Complies
121-32	Height of Street Walls and Maximum Building Height	a) Height of street walls The street wall of any building shall be located on the street line and extend along the entire street frontage of the zoning lot not occupied by existing buildings to remain. Such street wall shall rise without setback to a minimum base height of 80 feet and a maximum base height of 90 feet.	Maximum Street Wall: 90'-0" Minimum Street Wall: 80'-0"	80'-0" (See Z-002.00)	Complies
121-32	Height of Street Walls and Maximum Building Height	b) Maximum building height Above a height of 90 feet or the height of the adjacent street wall if higher than 90 feet, no portion of a building or other structure# shall penetrate a sky exposure plane that begins at a height of 90 feet above the street line, or the height of the adjacent street wall if higher than 90 feet, and rises over the zoning lot at a slope of four feet of vertical distance for each foot of horizontal distance to a maximum height limit of 250 feet	Maximum Buildnig Height: 250'-0"	Building Height: 246'-8" (See Z-002.00)	Complies
121-40	Parking Provisions for Preservation Area P-2	Within Preservation Area P-2, as shown in Appendix A of this Chapter, the underlying parking provisions shall not apply. In lieu thereof, the parking regulations of the Special Hudson Yards District, as set forth in Section 93-80 (OFF-STREET PARKING) shall apply.		(See 93-80)	
121-50	Supplimental Regulations In Preservation Area P-2	In Preservation Area P-2, the provisions of Section 93-90 (HARASSMENT) and Section 93-91 (Demolition), inclusive, shall apply.		(See 93-90)	



1 ZONING MAP – MAP 8d
SCALE : N.T.S.



3 PLOT PLAN
SCALE : 1/16" = 1'-0"



4 TAX MAP
SCALE : N.T.S.

BLOCK: 759 LOT: 55

ZONING CALCULATIONS:

TOTAL LOT AREA: 8,229 Sq. Ft.
FLOOR AREA RATIO FOR C6-4M
GENERAL CENTRAL COMMERCIAL DISTRICT: 10.0 (AS PER ZR 81-211)
8,229 SF. x 10.0 = 82,290 SF.

MAXIMUM PERMITTED
ZONING FLOOR AREA PER ZR93-31 DISTRICT IMPROVEMENT FUND:
8,229 SF. x 12.0 = 98,748 SF.

PROPOSED ZONING FLOOR AREA = 98,558 Sq. Ft. < 98,748 SF. (COMPLIES)

ZONING FLOOR AREA CALCULATIONS

Floor	Gross Floor Area	Mechanical Deductions	Total Zoning Floor Area
C1	8,147.00	-	-
1	6,447.00	155.89	6,291.11
2	3,270.00	1,481.99	1,788.01
3	2,324.00	142.63	2,181.37
4	4,370.19	213.35	4,156.84
5	2,468.00	113.06	2,354.94
6	4,287.00	1,187.61	3,099.39
7	2,328.90	143.43	2,185.47
8	4,394.03	233.50	4,160.53
9	4,394.03	233.50	4,160.53
10	4,394.03	226.00	4,168.03
11	4,390.00	229.15	4,160.85
12	4,390.00	229.15	4,160.85
13	4,390.00	233.50	4,156.50
14	4,390.00	233.50	4,156.50
15	4,390.00	233.50	4,156.50
16	4,390.00	230.70	4,159.30
17	4,390.00	230.70	4,159.30
18	4,390.00	230.70	4,159.30
19	4,390.00	235.36	4,154.64
20	4,390.00	233.16	4,156.84
21	4,070.00	236.60	3,833.40
22	4,069.00	235.10	3,833.90
23	4,069.00	235.10	3,833.90
24	4,069.00	235.10	3,833.90
25	4,071.02	525.07	3,545.95
26	4,071.02	521.09	3,549.93
27	1,298.50	1,298.50	-
28	1,298.50	1,298.50	-
29	1,298.50	1,298.50	-
TOTAL	**119,039**	**8,438**	**98,558**

Total Gross Floor Area Including Cellar:	119,039 sf
Total Gross Floor Area Above Grade:	110,892 sf
Total Permitted ZFA:	98,748 sf
Proposed Total ZFA:	98,558 sf
Undeveloped ZFA:	190 sf

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

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Seal

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AC 320 HOTEL PARTNERS LLC
NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

SITE PLAN & ZONING CALCULATIONS

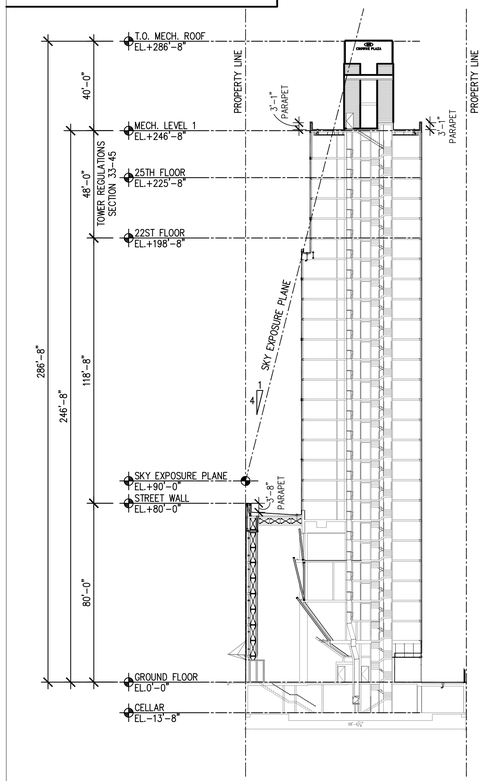
Drawing Number ## of

Z-001.00

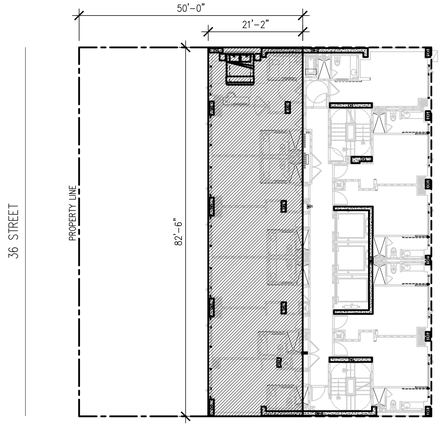
DOB B-Scan

AS NOTED 21362

SKY EXPOSURE PLANE (ZR121-32)
TOWER REGULATIONS: ZR33-145

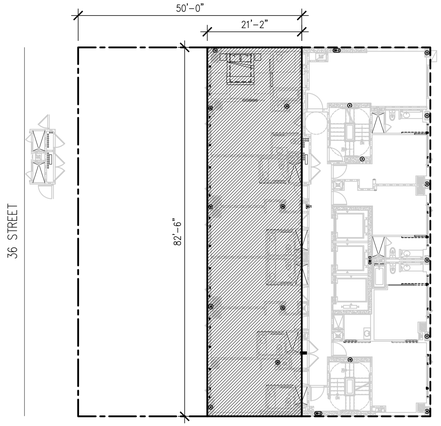


1 SKY EXPOSURE PLANE (ZR121-32)
TOWER REGULATIONS DIAGRAM (ZR33-451)
SCALE : N.T.S.



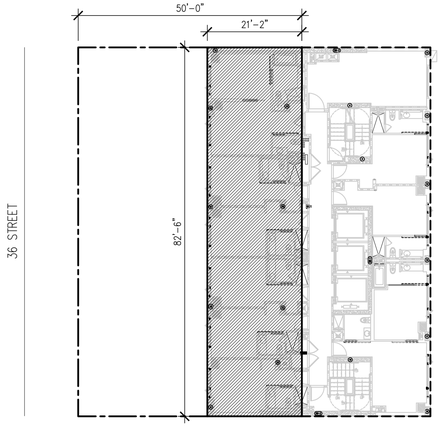
TOWER REGULATIONS: ZR33-145
- MAX. AREA 1,875SF WITHIN 50' OF THE NARROW STREET.
- FLOOR: 22-24 PENETRATE THE SKY EXPOSURE PLANE AND HAVE AN AREA OF 1,742SF PROVIDED WITHIN 50' OF THE NARROW STREET.
- 82'-6" X 21'-2"=1,746sf.

2 TOWER REGULATIONS
22nd-24th FLOOR PLAN DIAGRAM
SCALE : 1/16" = 1'-0"



TOWER REGULATIONS: ZR33-145
- MAX. AREA 1,875SF WITHIN 50' OF THE NARROW STREET.
- FLOOR: 25 PENETRATES THE SKY EXPOSURE PLANE AND HAVE AN AREA OF 1,742SF PROVIDED WITHIN 50' OF THE NARROW STREET.
- 82'-6" X 21'-2"=1,746sf.

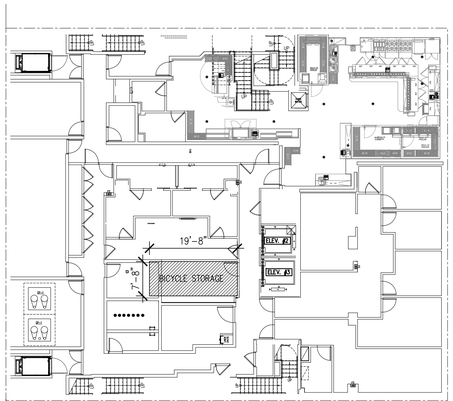
3 TOWER REGULATIONS
25th FLOOR PLAN DIAGRAM
SCALE : 1/16" = 1'-0"



TOWER REGULATIONS: ZR33-145
- MAX. AREA 1,875SF WITHIN 50' OF THE NARROW STREET.
- FLOOR: 25 PENETRATES THE SKY EXPOSURE PLANE AND HAVE AN AREA OF 1,742SF PROVIDED WITHIN 50' OF THE NARROW STREET.
- 82'-6" X 21'-2"=1,746sf.

4 TOWER REGULATIONS
26th FLOOR PLAN DIAGRAM
SCALE : 1/16" = 1'-0"

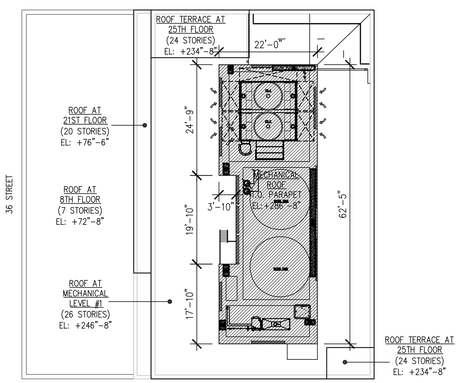
BICYCLE PARKING DIAGRAM (ZR36-711)



BICYCLE PARKING: ZR36-711
- 1 PER 10,000 SQUARE FEET OF FLOOR AREA.
- 10 SPACES @ 15SF. (150SF. TOTAL)
- 19'-8" X 7'-8"=151.19sf. PROVIDED AT CELLAR

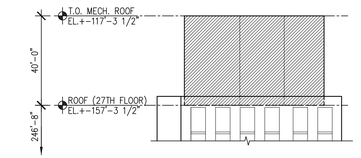
5 BICYCLE STORAGE DIAGRAM (CELLAR)
SCALE : 1/16" = 1'-0"

PERMITTED OBSTRUCTIONS (ZR33-42)

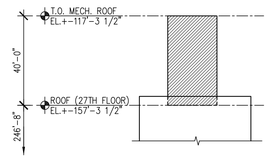


PERMITTED OBSTRUCTIONS (ZR33-42)
- 20% OF BUILDING LOT COVERAGE: AREA: 1,300 SF HEIGHT: 40'-0"
- MECHANICAL/ELEVATOR/STAIR BULKHEAD OBSTRUCTION AREA=1,298 SF HEIGHT=40'-0" (SEE SKY PLANE EXPOSURE SECTION ON THIS PAGE)

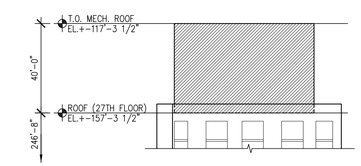
6 PERMITTED OBSTRUCTIONS (ZR33-42)
MECHANICAL/STAIR/ELEVATOR BULKHEAD DIAGRAM
SCALE : 1/16" = 1'-0"



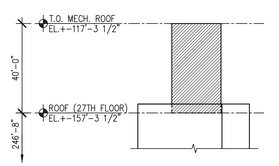
7 NORTH ELEVATION
PERMITTED OBSTRUCTIONS (ZR33-42)
SCALE : 1/32" = 1'-0"



8 EAST ELEVATION
PERMITTED OBSTRUCTIONS (ZR33-42)
SCALE : 1/32" = 1'-0"



9 SOUTH ELEVATION
PERMITTED OBSTRUCTIONS (ZR33-42)
SCALE : 1/32" = 1'-0"



10 WEST ELEVATION
PERMITTED OBSTRUCTIONS (ZR33-42)
SCALE : 1/32" = 1'-0"

BLOCK: 759 LOT: 55

6 / 13 / 2011 2013-TITLE-30X42.DWG Plotted: 10 / 8 / 2014 by eb. (DIESEL evolution (eb4))

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
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NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

SKY EXPOSURE PLANE/
TOWER REGULATIONS/
BICYCLE PARKING DIAGRAM

Drawing Number ## of

Z-002.00

DOB B-Scan

AS NOTED 21362

LOCATION OF 320 WEST 36 STREET

LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- 513 — Base Flood Elevation line and value; elevation in feet*
- (EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the National Geodetic Vertical Datum of 1929

- A — A — Cross section line
- B — B — Transect line
- 87°07'45", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 4276000mN — 1000-meter Universal Transverse Mercator grid values, zone 18
- 600000 FT — 5000-foot grid ticks: New York State Plane coordinate system, Long Island zone (FIPSZONE 3104), Lambert Conformal Conic projection
- DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1.5 — River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

INITIAL NFIP MAP DATE
June 28, 1974

FLOOD HAZARD BOUNDARY MAP REVISIONS
June 11, 1975

FLOOD INSURANCE RATE MAP EFFECTIVE
November 16, 1983

FLOOD INSURANCE RATE MAP REVISIONS
September 5, 2007 - to change Special Flood Hazard Areas, to reflect updated topographic information, and to update map format

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'
250 0 500 1000 FEET
150 0 150 300 METERS

NFIP

PANEL 0088F

FIRM

FLOOD INSURANCE RATE MAP

CITY OF
NEW YORK,
NEW YORK
BRONX, RICHMOND, NEW YORK, QUEENS, AND KINGS COUNTIES

PANEL 88 OF 457

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
NEW YORK, CITY OF	360497	0088	F

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

MAP NUMBER
3604970088F

MAP REVISED
SEPTEMBER 5, 2007

Federal Emergency Management Agency

BLOCK: 759 LOT: 55

6 / 13 / 2011 2007S-TITLE-360497.dwg Plotted: 10 / 8 / 2014 Wed | 2362-15-24436 - 008

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
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Seal

Project

AC 320 HOTEL PARTNERS LLC
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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

FLOOD INSUARANCE RATE MAP 2007

Drawing Number ## of

Z-003.00

DOB B-Scan

AS NOTED 21362

LOCATION OF 320 WEST 36 STREET

LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- ZONE A — No Base Flood Elevations determined.
- ZONE AE — Base Flood Elevations determined.
- ZONE AH — Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AO — Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR — Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99 — Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V — Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE — Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

- ZONE X — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

- ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.
- ZONE D — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- Limit of Moderate Wave Action
- 513 — Base Flood Elevation line and value; elevation in feet*
- (EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

- Cross section line
- Transect line
- Culvert, Flume, Penstock or Aqueduct
- Road or Railroad Bridge
- Footbridge
- 87°07'45", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 4376000mN — 1000-meter Universal Transverse Mercator grid values, zone 18
- 600000 FT — 5000-foot grid values: New York State Plane coordinate system, Long Island zone (FIPSZONE 3104), Lambert Conformal Conic projection
- DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1.5 — River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

INITIAL NFIP MAP DATE
June 28, 1974

FLOOD HAZARD BOUNDARY MAP REVISIONS
June 11, 1976

FLOOD INSURANCE RATE MAP EFFECTIVE
November 18, 1983

FLOOD INSURANCE RATE MAP REVISIONS

For descriptions of revisions see Notice to Users page in the Flood Insurance Study report.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'
250 0 500 1000 FEET
150 0 150 300 METERS

NFIP

PANEL 0088G

FIRM
FLOOD INSURANCE RATE MAP

CITY OF,
NEW YORK
NEW YORK
BRONX, RICHMOND, NEW YORK, QUEENS, AND KINGS COUNTIES

PANEL 88 OF 457

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
NEW YORK, CITY OF	360497	0088	G

PRELIMINARY
DECEMBER 5, 2013

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

MAP NUMBER
3604970088G

MAP REVISED

Federal Emergency Management Agency

BLOCK: 759 LOT: 55

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
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08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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FLOOD INSUARANCE RATE MAP 2013

Drawing Number ## of

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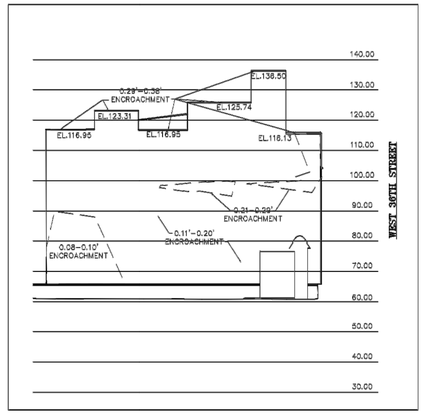
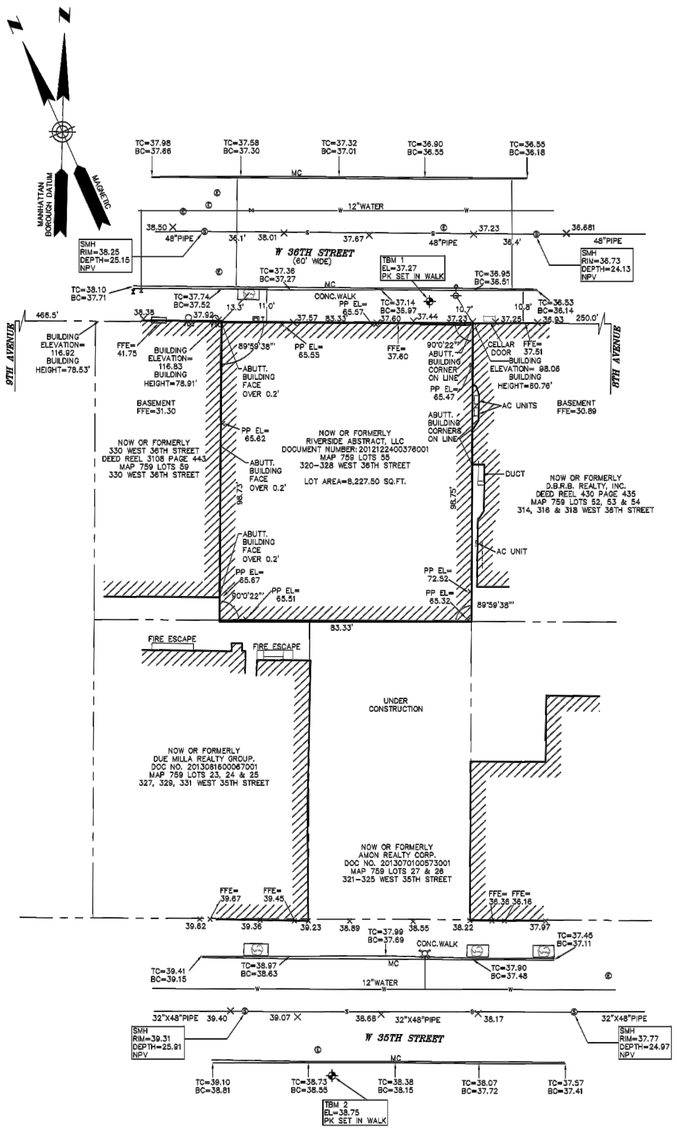
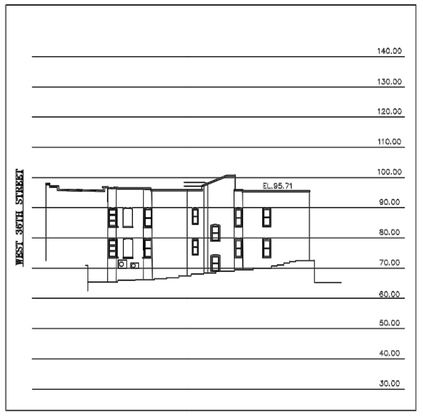
AS NOTED 21362



ELEVATION VIEW
BUILDING WEST
1"=20'



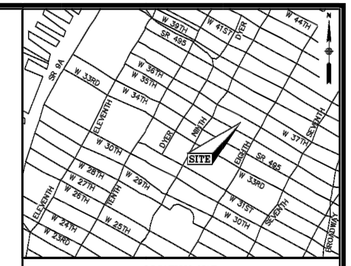
GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.



ELEVATION VIEW
BUILDING EAST
1"=20'

LEGEND

FFE	FINISHED FLOOR ELEVATION
TC	TOP OF CURB ELEVATION
BC	BOTTOM OF CURB ELEVATION
PP EL=	PARAPET ELEVATION
MC	METAL CURB
NPV	NO PIPES VISIBLE
	ABUTTERS LOT LINE
	PROPERTY LINE
	INDEX CONTOURS
	INTERMEDIATE CONTOURS
	TEMPORARY BENCHMARK
XCUT	XCUT
NAIL	NAIL FOUND
	SIGN (SINGLE POSTED)
	UTILITY POLE WITH LIGHT
	DECIDUOUS TREE
	WATER GATE
	GAS GATE
FDC	FIRE DEPARTMENT CONNECTION
E	ELECTRIC MANHOLE
S	SEWER MANHOLE
T	TELEPHONE BOOTH
	BOLLARD
	FIRE HYDRANT



LOCATION MAP
(N.T.S.)

NOTES

1. THIS PLAN WAS PREPARED FROM AN ACTUAL ON THE GROUND FIELD SURVEY CONDUCTED BY WSP FROM NOVEMBER 4, 2013 TO NOVEMBER 12, 2013.

2. ELEVATIONS AND ESTABLISHED GRADES SHOWN HEREON REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

3. ESTABLISHED GRADES SHOWN HEREON REFER TO TOP OF CURB. IF ESTABLISHED GRADES VARY SUBSTANTIALLY WITH EXISTING ELEVATIONS CONSULT WITH THE HIGHWAY DEPARTMENT BEFORE DESIGNING IMPROVEMENTS.

4. SIZES AND LOCATIONS OF WATER MAINS SHOWN HEREON AS SUPPLIED BY THE DEPARTMENT OF WATER SUPPLY, BOROUGH OF MANHATTAN: LOCATIONS OF WATER SUPPLY MANHOLES, HYDRANTS AND WATER VALVES AS OBTAINED FROM FIELD MEASUREMENT.

5. SIZES AND TYPES OF SEWERS SHOWN HEREON AS OBTAINED FROM THE BOROUGH OF MANHATTAN SEWER DEPARTMENT RECORDS. SEWER MANHOLE RIM AND INVERT ELEVATIONS SHOWN HEREON OBTAINED BY FIELD MEASUREMENTS UNLESS INDICATED (*), WHICH DENOTES INVERT INACCESSIBLE OR MANHOLE NOT FOUND IN FIELD. INFORMATION SHOWN IN THIS MANNER IS AS OBTAINED FROM THE BOROUGH OF MANHATTAN SEWER DEPARTMENT RECORDS.

6. ELECTRIC AND GAS INFORMATION COULD NOT BE OBTAINED FROM CONSOLIDATED EDISON COMPANY OF NEW YORK.

7. TELEPHONE INFORMATION COULD NOT BE OBTAINED FROM THE EMPIRE CITY SUBWAY CO.

8. CABLE TELEVISION COULD NOT BE OBTAINED FROM TIME WARNER CABLE COMPANY OF NEW YORK. AERIAL CABLE TV SERVICES.

9. LOCATIONS OF ALL UTILITIES AND SUBSTRUCTURES ARE APPROXIMATE ONLY. THE INFORMATION GIVEN ON THE SURVEY PERTAINING TO UTILITIES AND SUBSTRUCTURES IS NOT CERTIFIED AS TO ACCURACY OR COMPLETENESS. CONSULT WITH THE APPROPRIATE COMPANY OR AGENCY BEFORE DESIGNING IMPROVEMENTS.

10. THE OWNER, CONTRACTOR AND/OR HIS AGENTS MUST NOTIFY THE APPROPRIATE UTILITY COMPANIES AND/OR AGENCIES AT LEAST 72 HOURS PRIOR TO ANY CONSTRUCTION IN ACCORDANCE WITH INDUSTRIAL CODE RULE 753.

11. NO EVIDENCE OF EXISTING STREAMS, CREEKS, DITCHES OR WATER COURSES ON/OR CROSSING PROPERTY SURVEYED.

12. NOT ALL SUBSURFACE INFORMATION PLOTTED.

PLAN REFERENCES

1. SURVEY MAP 41
2. SECTION MAP 48
3. SECTION MAP 51

Revision:	
	2) Edits from Sullivan Goup / Datum 88 04/24/14
	1) Added Adjoining Basement Elevations 3/18/14

EXISTING CONDITIONS PLAN
320-328 W 36TH STREET
PARKING GARAGE
NEW YORK, NEW YORK
PREPARED FOR
FLINTLOCK LLC

WSP
Transportation & Infrastructure
155 Main Dunstable Rd. Suites 120 & 125 • Nashua, NH 03060 • 603.595.7900
www.wspsells.com

Drawn By LA	Date JANUARY 7, 2014	Job No. 1330133
Surveyed By BD & TG		
Checked By DPP	Scale 1" = 20'	Sheet No. 1 OF 1
Book No. BD-1		

1330133-1 ADJUSTED2_88.dwg

BLOCK: 759 LOT: 55

6/13/2011 21073-TITLE-20X42.DWG Plotted: 10/8/2014 Wed | 21362-TB-24X36 -DOB

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
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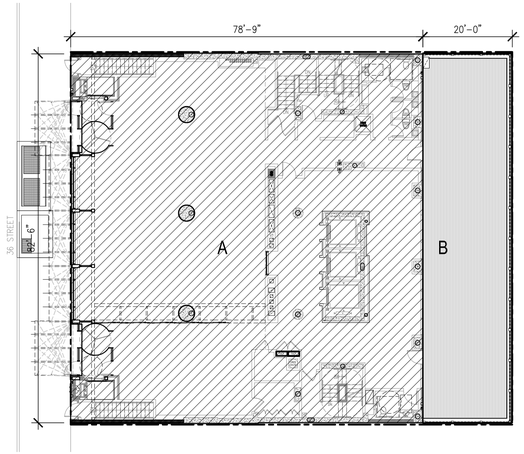
SURVEY

Drawing Number ## of

Z-005.00

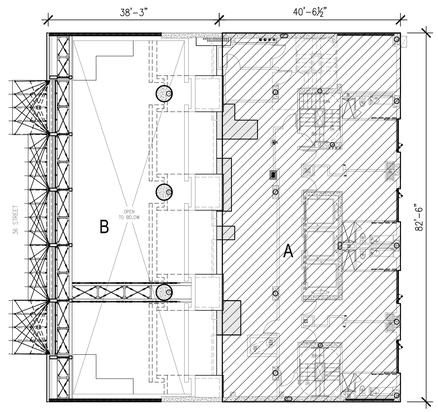
DOB B-Scan

AS NOTED 21362



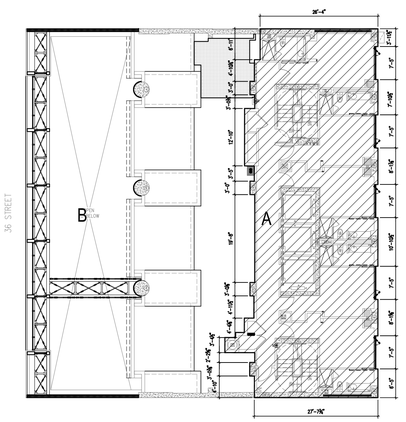
GROUND FLOOR - FLOOR AREA CALCULATIONS			
GROSS FLOOR SQUARE FOOTAGE			
DESIGNATION	USE	SIZE	TOTAL S.F.
A	HOTEL	78'-9" X 82'-6"	6,447.00
B	REAR YARD	20'-0" X 82'-6"	N/A
TOTAL GROSS FLOOR AREA			6447.00
TOTAL ZONING FLOOR AREA			6447.00

1 FLOOR AREA CALCULATIONS – GROUND FLOOR
SCALE : 1/16" = 1'-0"



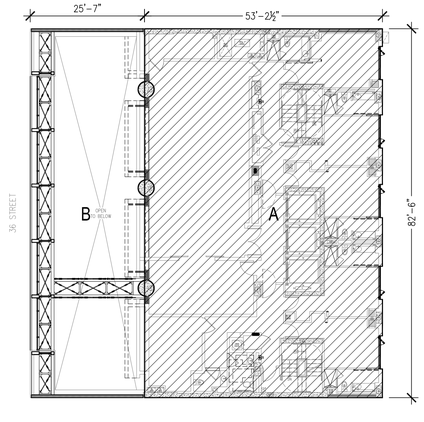
2ND FLOOR - FLOOR AREA CALCULATIONS			
GROSS FLOOR SQUARE FOOTAGE			
DESIGNATION	USE	SIZE	TOTAL S.F.
A	HOTEL	40'-6 1/2" X 82'-6"	3,270.32
B	N/A	38'-3" X 82'-6"	N/A
TOTAL GROSS FLOOR AREA			3270.32
TOTAL ZONING FLOOR AREA			3270.32

2 FLOOR AREA CALCULATIONS – 2ND FLOOR
SCALE : 1/16" = 1'-0"



3RD FLOOR - FLOOR AREA CALCULATIONS			
GROSS FLOOR SQUARE FOOTAGE			
DESIGNATION	USE	SIZE	TOTAL S.F.
A	HOTEL	IRREGULAR	2,324.00
B	N/A	IRREGULAR	N/A
TOTAL GROSS FLOOR AREA			2324.00
TOTAL ZONING FLOOR AREA			2324.00

3 FLOOR AREA CALCULATIONS – 3RD FLOOR
SCALE : 1/16" = 1'-0"



4TH FLOOR - FLOOR AREA CALCULATIONS			
GROSS FLOOR SQUARE FOOTAGE			
DESIGNATION	USE	SIZE	TOTAL S.F.
A	HOTEL	IRREGULAR	4,370.19
B	N/A	25'-7" X 82'-6"	N/A
TOTAL GROSS FLOOR AREA			4370.19
TOTAL ZONING FLOOR AREA			4370.19

4 FLOOR AREA CALCULATIONS – 4TH FLOOR
SCALE : 1/16" = 1'-0"

BLOCK: 759 LOT: 55

6 / 13 / 2011 20013-TITLE-ZONING.DWG Plotted 10 / 8 / 2014 Work | 21362-RB-2AUG - V08 | 21362_1ST FLOOR PLAN | 21362_2ND FLOOR PLAN | 21362_3RD FLOOR PLAN | 21362_4TH FLOOR PLAN | 21362_SHEARWAL

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
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07.18.2014	90% CD SUBMISSION UPDATED
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NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

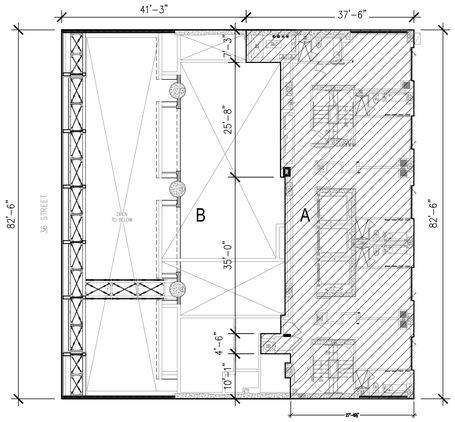
FLOOR AREA CALCULATIONS – GROUND, 2ND, 3RD, AND 4TH FLOORS

Drawing Number ## of

Z-101.00

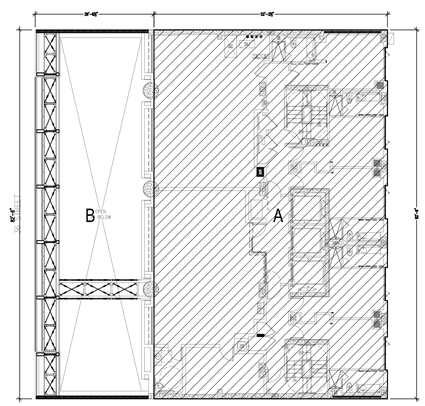
DOB B-Scan

AS NOTED 21362



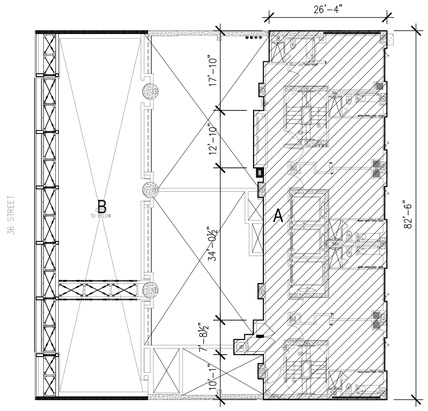
5TH FLOOR - FLOOR AREA CALCULATIONS			
GROSS FLOOR SQUARE FOOTAGE			
DESIGNATION	USE	SIZE	TOTAL S.F.
A	HOTEL	IRREGUALAR	2,468.22
B	N/A	IRREGULAR	N/A
TOTAL GROSS FLOOR AREA			2468.22
TOTAL ZONING FLOOR AREA			2468.22

1 FLOOR AREA CALCULATIONS – 5TH FLOOR
SCALE : 1/16" = 1'-0"



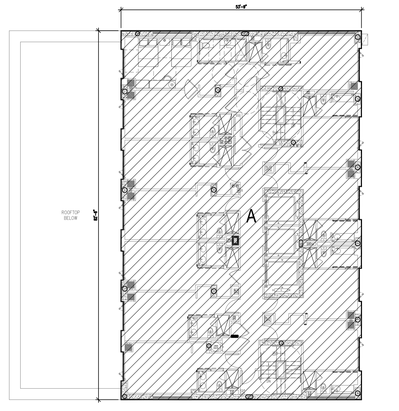
6TH FLOOR - FLOOR AREA CALCULATIONS			
GROSS FLOOR SQUARE FOOTAGE			
DESIGNATION	USE	SIZE	TOTAL S.F.
A	HOTEL	IRREGULAR	4,289.20
B	N/A	25'-0" X 82'-6"	N/A
TOTAL GROSS FLOOR AREA			4289.20
TOTAL ZONING FLOOR AREA			4289.20

2 FLOOR AREA CALCULATIONS – 6TH FLOOR
SCALE : 1/16" = 1'-0"



7TH FLOOR - FLOOR AREA CALCULATIONS			
GROSS FLOOR SQUARE FOOTAGE			
DESIGNATION	USE	SIZE	TOTAL S.F.
A	HOTEL	IRREGULAR	2,328.90
B	N/A	IRREGULAR	N/A
TOTAL GROSS FLOOR AREA			2328.90
TOTAL ZONING FLOOR AREA			2328.90

3 FLOOR AREA CALCULATIONS – 7TH FLOOR
SCALE : 1/16" = 1'-0"



8th TO 10th FLOOR - FLOOR AREA CALCULATIONS			
GROSS FLOOR SQUARE FOOTAGE			
DESIGNATION	USE	SIZE	TOTAL S.F.
A	HOTEL	IRREGULAR	4,394.80
TOTAL GROSS FLOOR AREA PER FLOOR			4394.80
TOTAL GROSS FLOOR AREA PER FLOOR X (13) FLOORS			13184.40
TOTAL ZONING FLOOR AREA			13184.40

4 FLOOR AREA CALCULATIONS – 8TH TO 10TH FLOOR
SCALE : 1/16" = 1'-0"

BLOCK: 759 LOT: 55

6 / 13 / 2011 20073-TITLE-ZONING.DWG Plotted 10 / 8 / 2014 Week | 21362-RB-2AUG8 -VOB | 21362_5TH FLOOR PLAN | 21362_6TH FLOOR PLAN | 21362_7TH FLOOR PLAN | 21362_8-9TH FLOOR PLAN | 21362_3RDAFW

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NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

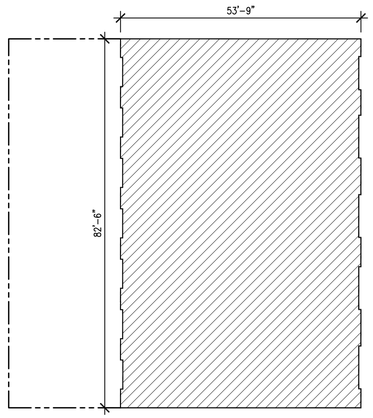
FLOOR AREA CALCULATIONS – 5TH, 6TH, 7TH, AND 8TH TO 20TH FLOORS

Drawing Number ## of

Z-102.00

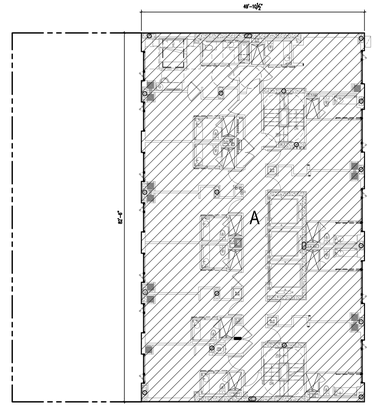
DOB B-Scan

AS NOTED 21362



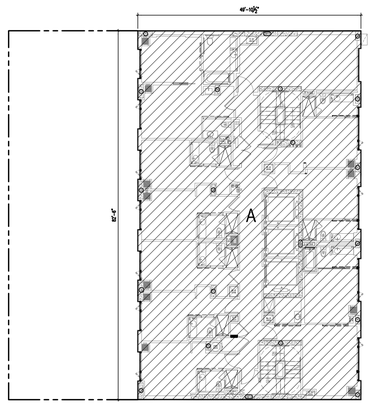
11ST TO 20TH FLOOR - FLOOR AREA CALCULATIONS			
GROSS FLOOR SQUARE FOOTAGE			
DESIGNATION	USE	SIZE	TOTAL S.F.
A	HOTEL	IRREGULAR	4,390.41
TOTAL GROSS FLOOR AREA PER FLOOR			4390.41
TOTAL GROSS FLOOR AREA X (10) FLOORS			43904.10
TOTAL ZONING FLOOR AREA			43904.10

1 FLOOR AREA CALCULATIONS – 11ST TO 20TH FLOOR
SCALE : 1/16" = 1'-0"



21ST TO 24TH FLOOR - FLOOR AREA CALCULATIONS			
GROSS FLOOR SQUARE FOOTAGE			
DESIGNATION	USE	SIZE	TOTAL S.F.
A	HOTEL	IRREGULAR	4,068.08
TOTAL GROSS FLOOR AREA PER FLOOR			4068.08
TOTAL GROSS FLOOR AREA X (3) FLOORS			12207.24
TOTAL ZONING FLOOR AREA			12207.24

2 FLOOR AREA CALCULATIONS – 21TH TO 24TH FLOOR
SCALE : 1/16" = 1'-0"



25th-26th FLOOR - FLOOR AREA CALCULATIONS			
GROSS FLOOR SQUARE FOOTAGE			
DESIGNATION	USE	SIZE	TOTAL S.F.
A	HOTEL	IRREGULAR	4071.01
TOTAL GROSS FLOOR AREA PER FLOOR			4071.01
TOTAL GROSS FLOOR AREA X (2) FLOORS			8142.02
TOTAL ZONING FLOOR AREA			8142.02

3 FLOOR AREA CALCULATIONS – 25TH TO 26TH FLOOR
SCALE : 1/16" = 1'-0"

BLOCK: 759 LOT: 55

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
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07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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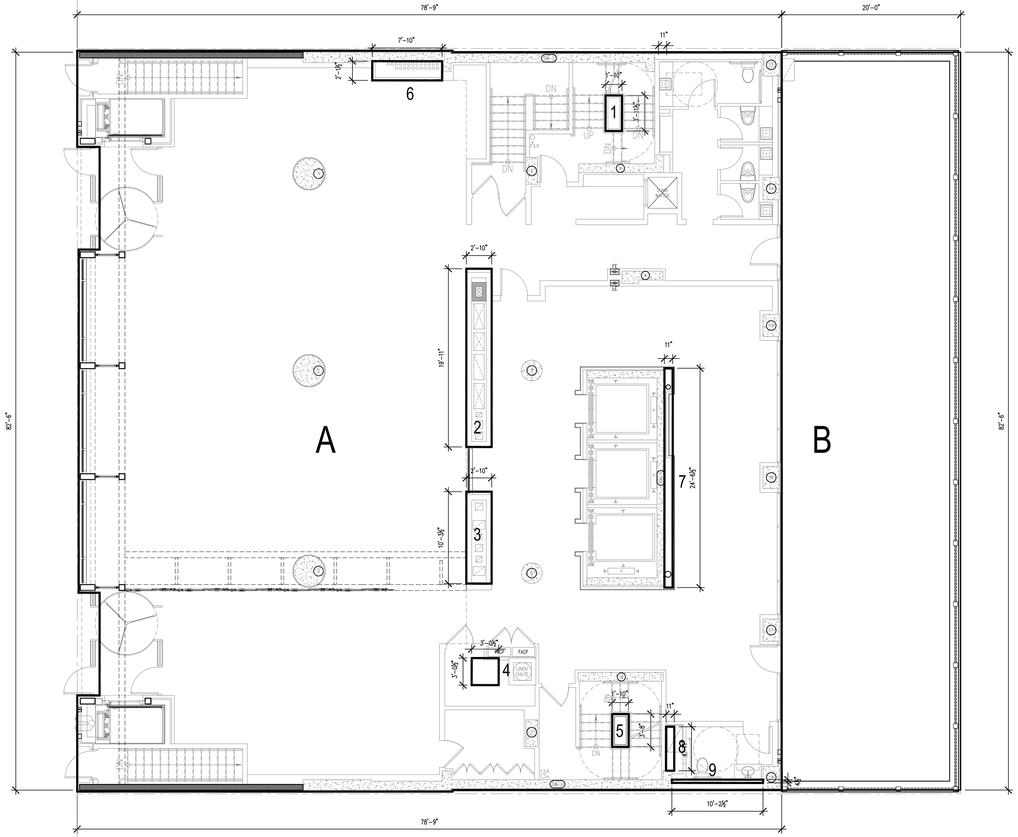
FLOOR AREA CALCULATIONS – 21ST TO 24TH, 25TH, AND 26TH FLOORS

Drawing Number ## of

Z-103.00

DOB B-Scan

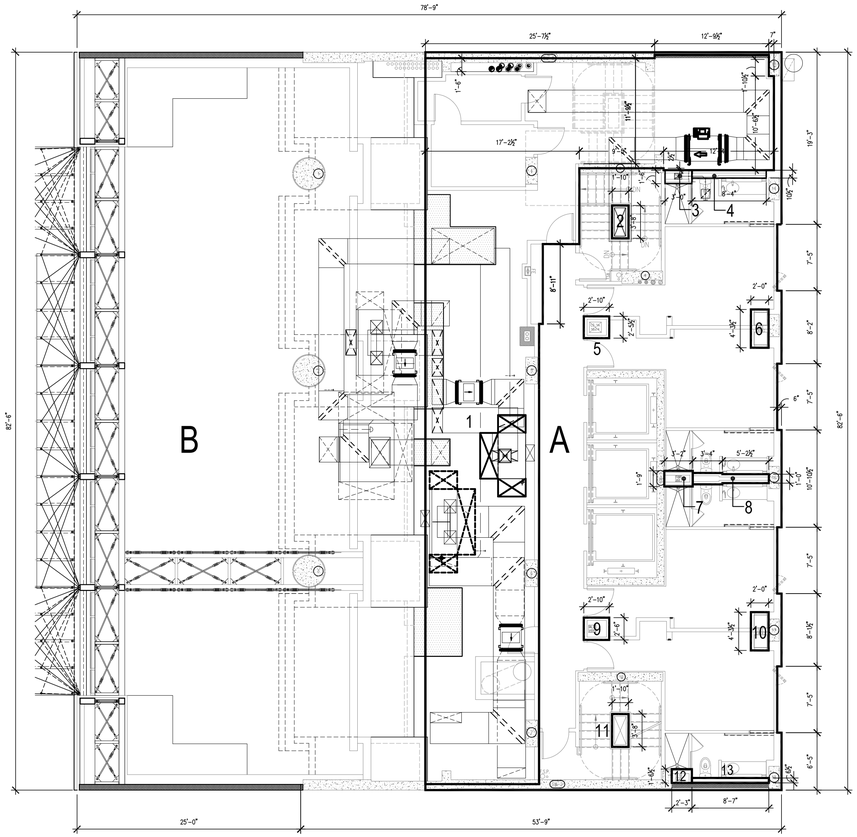
AS NOTED 21362



1 MECHANICAL DEDUCTIONS – GROUND FLOOR

SCALE : 1/8" = 1'-0"

GROUND FLOOR - MECHANICAL DEDUCTIONS			
GROSS FLOOR SQUARE FOOTAGE			
DESIGNATION	USE	SIZE	TOTAL S.F.
A	HOTEL	66'-8" X 82'-6"	6,447.05
B			N/A
TOTAL GROSS FLOOR AREA			6447.05
MECHANICAL DEDUCTIONS			
DESIGNATION	USE	SIZE	TOTAL S.F.
1	MECHANICAL	1'-10" X 3'-11 1/2"	-7.3
2	MECHANICAL	11" X 11'-8"	-56.0
3	MECH. & PLUMB.	2'-10" X 14'-10"	-29.11
4	MECH. & PLUMB.	2'-10" X 32'-0"	-9.1
5	MECHANICAL	1'-10" X 3'-8"	-6.7
6	MECHANICAL	8'-0 1/2" x 2'-4 1/2"	-16.75
7	PLUMBING	8'-0 1/2" x 2'-4 1/2"	-22.73
8	MECHANICAL	8'-0 1/2" x 2'-4 1/2"	-4.5
9	PLUMBING	8'-0 1/2" x 2'-4 1/2"	-3.7
TOTAL MECHANICAL DEDUCTIONS			-155.89
TOTAL ZONING FLOOR AREA			6291.16



2 MECHANICAL DEDUCTIONS – 2ND FLOOR

SCALE : 1/8" = 1'-0"

2ND FLOOR - MECHANICAL DEDUCTIONS			
GROSS FLOOR SQUARE FOOTAGE			
DESIGNATION	USE	SIZE	TOTAL S.F.
A	HOTEL	IRREGULAR	3270.3
B			N/A
TOTAL GROSS FLOOR AREA			3270.32
MECHANICAL DEDUCTIONS			
DESIGNATION	USE	SIZE	TOTAL S.F.
1	MECHANICAL	IRREGULAR	-1402.5
2	MECHANICAL	1'-10" X 3'-8"	-6.7
3	MECHANICAL	1'-6" X 3-0"	-4.5
4	PLUMBING	8'-4" X 10 1/2"	-7.4
5	MECHANICAL	2'-10" X 2'-5 1/2"	-6.9
6	MECHANICAL	1'-8" X 3'-8"	-8.5
7	MECHANICAL	3'-2" X 1-9"	-5.6
8	PLUMBING	IRREGULAR	-9.4
9	MECHANICAL	2'-2" X 1'-10 1/2"	-7.1
10	MECHANICAL	4-3 1/2" X 2'-0"	-8.5
11	PLUMBING	1'-10" X 3'-8"	-6.7
12	MECHANICAL	1-6 1/2" X 2'-3"	-3.5
13	PLUMBING	8'-7" X 6 1/2"	-4.8
TOTAL MECHANICAL DEDUCTIONS			-1481.99
TOTAL ZONING FLOOR AREA			1788.33

BLOCK: 759 LOT: 55

Issue Record

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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

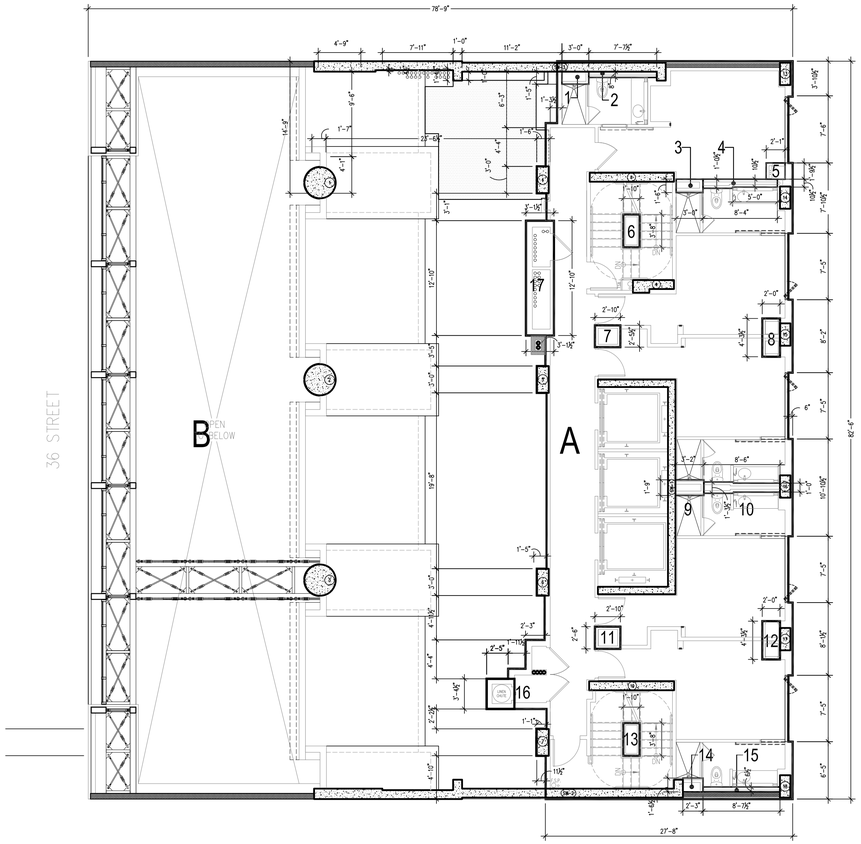
MECHANICAL DEDUCTIONS – GROUND FLOOR AND SECOND FLOOR

Drawing Number ## of

Z-104.00

DOB B-Scan

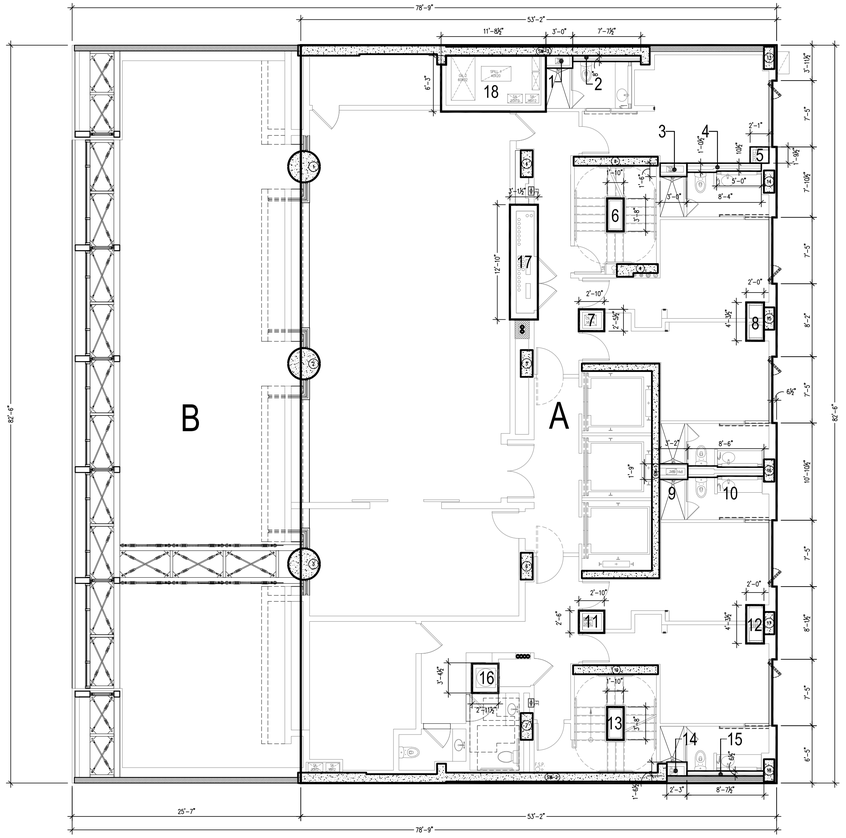
AS NOTED 21362



1 MECHANICAL DEDUCTIONS – 3RD FLOOR

SCALE : 1/8" = 1'-0"

3RD FLOOR - MECHANICAL DEDUCTIONS			
GROSS FLOOR SQUARE FOOTAGE			
DESIGNATION	USE	SIZE	TOTAL S.F.
A	HOTEL	IRREGULAR	2324.0
B			N/A
TOTAL GROSS FLOOR AREA			2324.00
MECHANICAL DEDUCTIONS			
DESIGNATION	USE	SIZE	TOTAL S.F.
1	MECHANICAL	3'-0" X 1'-5"	-4.2
2	PLUMBING	7'-7½" X 8"	-4.9
3	MECHANICAL	3'-0" X 1'-6"	-4.5
4	PLUMBING	IRREGULAR	-7.8
5	MECHANICAL	2'-1" X 1'-9½"	-3.8
6	MECHANICAL	1'-10" X 3'-8"	-6.7
7	MECHANICAL	2'-10" X 2'-5½"	-6.9
8	MECHANICAL	2'-0" X 4'-3½"	-8.5
9	MECHANICAL	3'-2" X 1'-9"	-5.6
10	PLUMBING	IRREGULAR	-9.4
11	MECHANICAL	2'-10" X 2'-6"	-7.1
12	ELECTRICAL	2'-0" X 4'-3½"	-8.5
13	MECHANICAL	1'-10" X 3'-8"	-6.7
14	MECHANICAL	2'-3" X 1'-6½"	-3.5
15	PLUMBING	8'-7 1/2" X 6½"	-4.8
16	MECH. & PLUMB.	4'-8" X 3'-7½"	-9.7
17	ELECTRICAL	3'-1 1/2" X 12'-10"	-40.1
TOTAL MECHANICAL DEDUCTIONS			-142.63
TOTAL ZONING FLOOR AREA			2181.37



2 MECHANICAL DEDUCTIONS – 4TH FLOOR

SCALE : 1/8" = 1'-0"

4TH FLOOR - MECHANICAL DEDUCTIONS			
GROSS FLOOR SQUARE FOOTAGE			
DESIGNATION	USE	SIZE	TOTAL S.F.
A	HOTEL	IRREGULAR	4370.2
B			N/A
TOTAL GROSS FLOOR AREA			4370.19
MECHANICAL DEDUCTIONS			
DESIGNATION	USE	SIZE	TOTAL S.F.
1	MECHANICAL	3'-0" X 1'-5"	-4.2
2	PLUMBING	7-7½" X 8"	-4.9
3	MECHANICAL	3'-0" X 1'-0"	-4.5
4	PLUMBING	IRREGULAR	-7.8
5	MECHANICAL	2'-1" X 1'-9½"	-3.8
6	MECHANICAL	1'-10" X 3'-8"	-6.7
7	MECHANICAL	2'-10" X 2'-5½"	-6.9
8	MECHANICAL	2'-0" X 4'-3½"	-8.5
9	MECHANICAL	3'-2" X 1'-9"	-5.6
10	PLUMBING	IRREGULAR	-9.4
11	MECHANICAL	2'-10" X 2'-6"	-7.1
12	MECHANICAL	2'-0" X 4'-3½"	-8.5
13	MECHANICAL	1'-10" X 3'-8"	-6.7
14	MECHANICAL	2'-3" X 1'-6½"	-3.5
15	PLUMBING	8'-7½" X 6½"	-4.8
16	MECH. & PLUMB.	2'-9" X 2'-9"	-7.6
17	ELECTRICAL	2'-10" X 12'-3"	-40.1
18	MECHANICAL	6'-3" X 11'-8 ½"	-72.8
TOTAL MECHANICAL DEDUCTIONS			-213.35
TOTAL ZONING FLOOR AREA			4156.84

BLOCK: 759 LOT: 55

Issue Record

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NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

MECHANICAL DEDUCTIONS – THIRD FLOOR AND FOURTH FLOOR

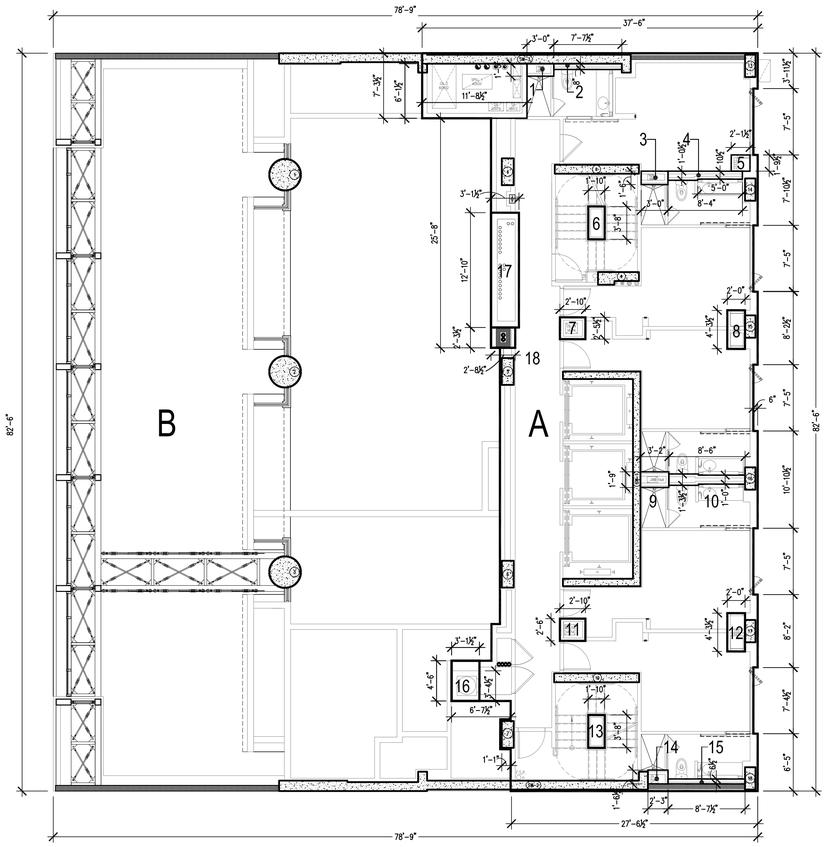
Drawing Number ## of

Z-105.00

DOB B-Scan

AS NOTED 21362

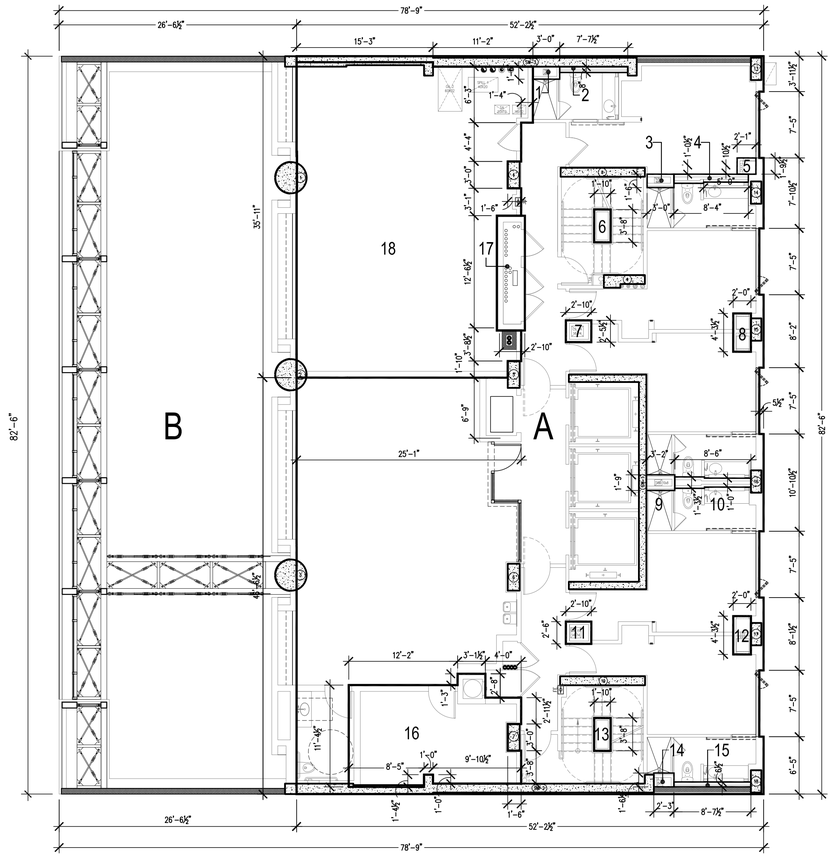
6/13/2011 21073-TITLE-SDXALDWG Plotted: 10/8/2014 Xrefs: 21362-TB-2ADB-DOB | 21362_2ND FLOOR PLAN | 21362_4TH FLOOR PLAN | 21362_SHEARWALLS 3-7 | 21362_TRUSS PLAN 2_2



1 MECHANICAL DEDUCTIONS – FIFTH FLOOR

SCALE : 1/8" = 1'-0"

5TH FLOOR - MECHANICAL DEDUCTIONS			
GROSS FLOOR SQUARE FOOTAGE			
DESIGNATION	USE	SIZE	TOTAL S.F.
A	HOTEL	IRREGULAR	2468.0
B			N/A
TOTAL GROSS FLOOR AREA			2468.00
MECHANICAL DEDUCTIONS			
DESIGNATION	USE	SIZE	TOTAL S.F.
1	MECHANICAL	1'-5" X 3'-0"	-4.2
2	PLUMBING	7'-7½" X 8"	-4.9
3	MECHANICAL	1'-6" X 3'-0"	-4.5
4	PLUMBING	IRREGULAR	-7.8
5	MECHANICAL	2'-1½" X 1'-9½"	-3.8
6	MECHANICAL	1'-10" X 3'-8"	-6.7
7	MECHANICAL	2'-10" X 2'-5½"	-6.9
8	MECHANICAL	2'-0" X 4'-3½"	8.5
9	MECHANICAL	1'-9" X 3-2	-5.6
10	PLUMBING	IRREGULAR	-9.4
11	MECHANICAL	2'-6" X 2'-10"	-7.1
12	MECHANICAL	2'-0" X 4'-3½"	8.5
13	MECHANICAL	1'-10" X 3'-8"	-6.7
14	MECHANICAL	1'-6½" X 2'-3"	-3.5
15	PLUMBING	8'-7½" X 6½"	-4.8
16	MECH. & PLUMB.	2'-8" X 2'-9"	-14.0
17	ELECTRICAL	2'-10" X 12'-3"	-40.1
18	MECHANICAL	2'-8½" X 2'-5½"	-6.2
TOTAL MECHANICAL DEDUCTIONS			-113.06
TOTAL ZONING FLOOR AREA			2354.94



2 MECHANICAL DEDUCTIONS – SIXTH FLOOR

SCALE : 1/8" = 1'-0"

6TH FLOOR - MECHANICAL DEDUCTIONS			
GROSS FLOOR SQUARE FOOTAGE			
DESIGNATION	USE	SIZE	TOTAL S.F.
A	HOTEL	IRREGULAR	4287.3
B			N/A
TOTAL GROSS FLOOR AREA			4287.34
MECHANICAL DEDUCTIONS			
DESIGNATION	USE	SIZE	TOTAL S.F.
1	MECHANICAL	1'-5" X 3'-0"	-4.2
2	PLUMBING	7'-7½" X 8"	-4.9
3	MECHANICAL	1'-6" X 3'-0"	-4.5
4	PLUMBING	IRREGULAR	-7.8
5	MECHANICAL	1'-9½" X 2'-1"	-3.8
6	MECHANICAL	1'-10" X 3'-8"	-6.7
7	MECHANICAL	2'-10" X 2'-5½"	-6.9
8	MECHANICAL	2'-0" X 4'-3½"	-8.5
9	MECHANICAL	1'-9" X 3-2"	-5.6
10	PLUMBING	IRREGULAR	-9.4
11	MECHANICAL	2'-6" X 2'-10"	-7.1
12	MECHANICAL	2'-0" X 4'-3½"	-8.5
13	MECHANICAL	1'-10" X 3'-8"	-6.7
14	MECHANICAL	1'-6½" X 2'-3"	-3.5
15	PLUMBING	8'-7½" X 6½"	-4.8
16	MECH. & PLUMB.	IRREGULAR	-208.3
17	ELECTRICAL	2'-0" X 12-10"	-40.1
18	MECHANICAL	IRREGULAR	-846.4
TOTAL MECHANICAL DEDUCTIONS			-1187.61
TOTAL ZONING FLOOR AREA			3099.73

BLOCK: 759 LOT: 55

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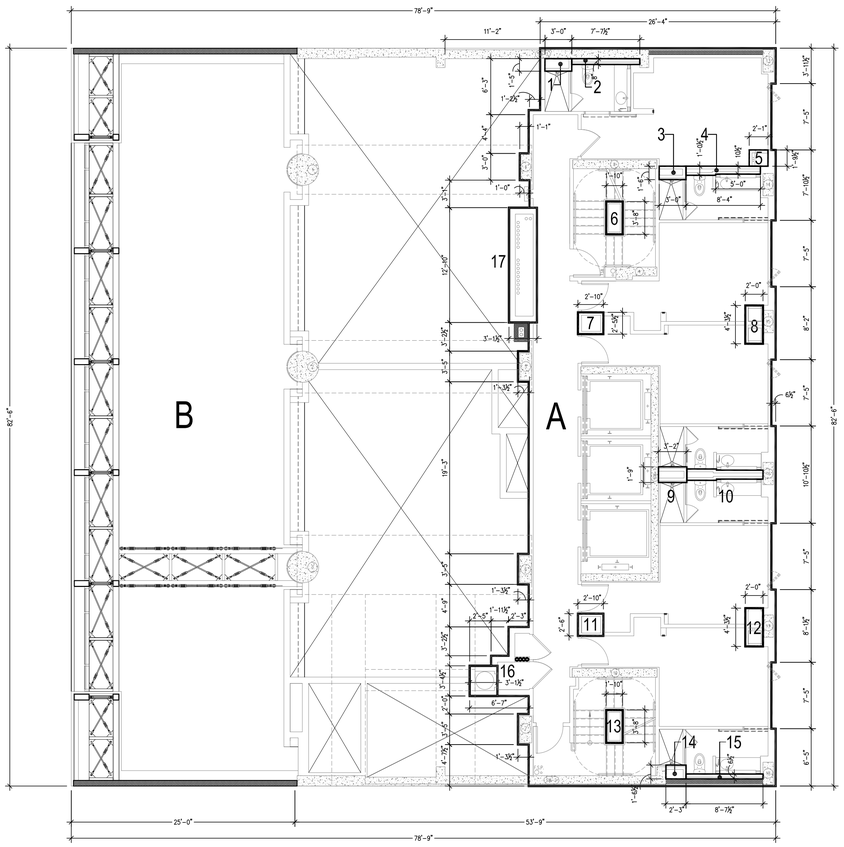
MECHANICAL DEDUCTIONS – FIFTH FLOOR AND SIXTH FLOOR

Drawing Number ## of

Z-106.00

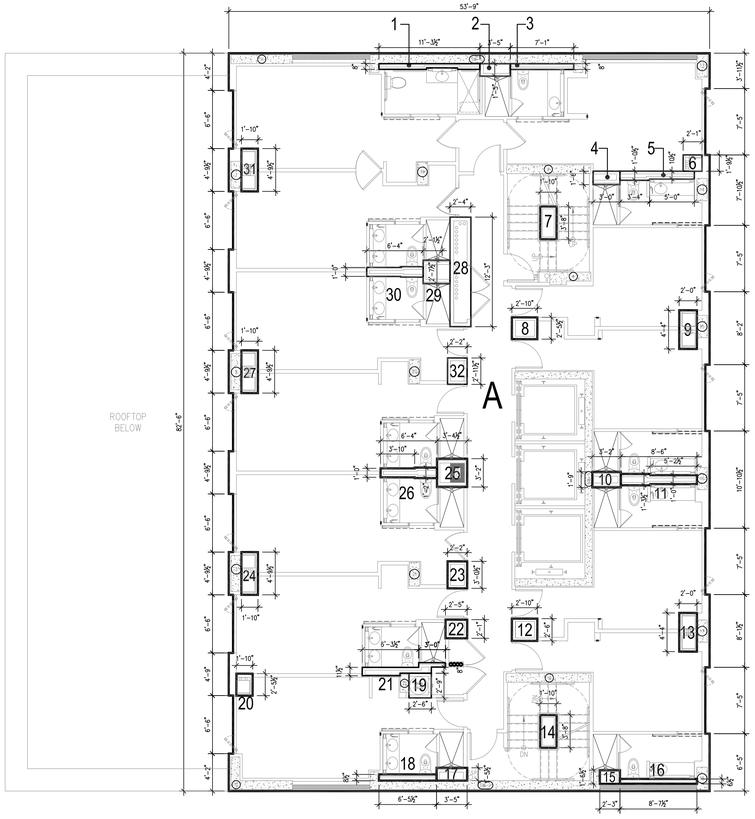
DOB B-Scan

AS NOTED 21362



1 MECHANICAL DEDUCTIONS – 7TH FLOOR
SCALE : 1/8" = 1'-0"

7TH FLOOR - MECHANICAL DEDUCTIONS			
GROSS FLOOR SQUARE FOOTAGE			
DESIGNATION	USE	SIZE	TOTAL S.F.
A	HOTEL	IRREGULAR	2329.0
B			N/A
TOTAL GROSS FLOOR AREA			2328.95
MECHANICAL DEDUCTIONS			
DESIGNATION	USE	SIZE	TOTAL S.F.
1	MECHANICAL	1'-5" X 3'-0"	-4.2
2	PLUMBING	7'-7½" X 8"	-4.9
3	MECHANICAL	1'-6" X 3'-0"	-4.5
4	PLUMBING	IRREGULAR	-7.8
5	MECHANICAL	2'-1" X 1'-9½"	-3.8
6	MECHANICAL	1'-10" X 3'-8"	-6.7
7	MECHANICAL	2'-10" X 2'-5½"	-6.9
8	MECHANICAL	2'-0" X 4'-3½"	-8.5
9	MECHANICAL	1'-9" X 3'-2"	-5.6
10	PLUMBING	IRREGULAR	-9.4
11	MECHANICAL	2'-6" X 1'-10"	-7.1
12	MECHANICAL	2'-0" X 4'-3½"	-8.5
13	MECHANICAL	1'-10" X 3'-8"	-6.7
14	MECHANICAL	1'-6½" X 2'-3½"	-3.5
15	PLUMBING	8'-7½" X 6½"	-4.8
16	MECH. & PLUMB.	2'-8" X 2'-9"	-10.5
17	ELECTRICAL	2'-10" X 12'-3"	-40.1
TOTAL MECHANICAL DEDUCTIONS			-143.43
TOTAL ZONING FLOOR AREA			2185.52



2 MECHANICAL DEDUCTIONS – 8TH TO 9TH FLOOR
SCALE : 1/8" = 1'-0"

8th-9th FLOOR - MECHANICAL DEDUCTIONS			
GROSS FLOOR SQUARE FOOTAGE PER FLOOR			
DESIGNATION	USE	SIZE	TOTAL S.F.
A	HOTEL	IRREGULAR	4,394.03
TOTAL GROSS FLOOR AREA PER FLOOR			4394.03
MECHANICAL DEDUCTIONS PER FLOOR			
DESIGNATION	USE	SIZE	TOTAL S.F.
1	PLUMBING	11'-0" X 8"	-6.6
2	MECHANICAL	3'-6½" X 1'-5"	-4.8
3	PLUMBING	6'-0" X 8"	-4.6
4	MECHANICAL	3'-0" X 1'-6"	-4.5
5	PLUMBING	IRREGULAR	-7.8
6	MECHANICAL	2'-1½" X 1'-10"	-3.8
7	MECHANICAL	1'-10" X 3'-8"	-6.7
8	MECHANICAL	2'-10" X 2'-5½"	-6.9
9	MECHANICAL	2'-0" X 4'-3½"	-8.6
10	MECHANICAL	3'-2" X 1'-9"	-5.6
11	PLUMBING	IRREGULAR	-9.4
12	MECHANICAL	2'-10" X 2'-6"	-7.0
13	MECHANICAL	2'-0" X 4'-3½"	-8.6
14	MECHANICAL	1'-10" X 3'-8"	-6.7
15	MECHANICAL	2'-3" X 1'-6½"	-3.5
16	PLUMBING	8'-7" X 6½"	-4.8
17	MECHANICAL	3'-5" X 1'-7½"	-4.9
18	PLUMBING	6'-5½" X 8½"	-4.5
19	MECHANICAL	2'-6" X 2'-7"	-6.9
20	MECHANICAL	1'-10½" X 2'-5½"	-4.5
21	PLUMBING	7'-9" X 8"	-6.9
22	MECHANICAL	2'-5" X 2'-1"	-5.0
23	MECHANICAL	2'-2" X 3'-0½"	-6.6
24	MECHANICAL	2'-0" X 2'-9"	-8.8
25	MECHANICAL	3'-4½" X 3'-2"	-10.7
26	PLUMBING	IRREGULAR	-6.7
27	MECHANICAL	1'-9½" X 4'-6"	-8.8
28	ELECTRICAL	2'-4" X 12'-3"	-28.6
29	MECHANICAL	3'-0" X 2'-7½"	-7.9
30	PLUMBING	IRREGULAR	-6.7
31	MECHANICAL	1'-9½" X 4'-6"	-8.8
32	MECHANICAL	2'-2" X 2'-11½"	-6.4
TOTAL MECHANICAL DEDUCTIONS PER FLOOR			-232.60
TOTAL ZONING FLOOR AREA PER FLOOR			4161.43

BLOCK: 759 LOT: 55

6 / 13 / 2011 21073-TITLE-ZONING.DWG Plotted: 10 / 8 / 2014 Xrefs: | 21362-TB-2ACAD -XDB | 21362_7th FLOOR PLAN | 21362_8-9th FLOOR PLAN | 21362_3HEADWALLS 8-9 | 21362_3HEADWALLS 3-7 | 21362_TBLSS

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

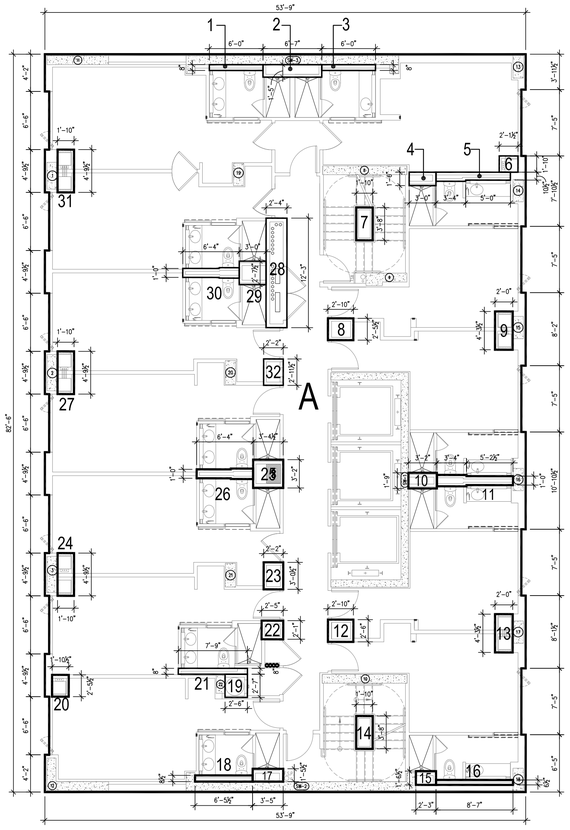
MECHANICAL DEDUCTIONS – SEVENTH FLOOR, AND EIGHTH TO NINTH FLOORS

Drawing Number ## of

Z-107.00

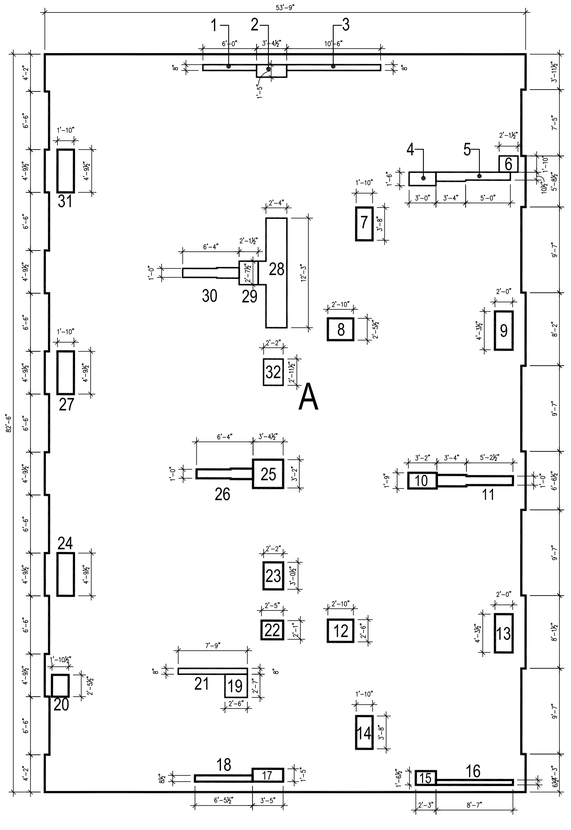
DOB B-Scan

AS NOTED 21362



1 MECHANICAL DEDUCTIONS – 10TH FLOOR
SCALE : 1/8" = 1'-0"

10th FLOOR - MECHANICAL DEDUCTIONS			
GROSS FLOOR SQUARE FOOTAGE PER FLOOR			
DESIGNATION	USE	SIZE	TOTAL S.F.
A	HOTEL	IRREGULAR	4,394.80
TOTAL GROSS FLOOR AREA PER FLOOR			4,394.80
MECHANICAL DEDUCTIONS PER FLOOR			
DESIGNATION	USE	SIZE	TOTAL S.F.
1	PLUMBING	11'-0" X 8"	-3.8
2	MECHANICAL	3'-4½" X 1'-5"	-9.1
3	PLUMBING	6'-0" X 8"	-3.8
4	MECHANICAL	3'-0" X 1'-6"	-4.5
5	PLUMBING	IRREGULAR	-7.8
6	MECHANICAL	2'-1½" X 1'-10"	-3.8
7	MECHANICAL	1'-10" X 3'-8"	-6.7
8	MECHANICAL	2'-10" X 2'-5½"	-6.9
9	MECHANICAL	2'-0" X 4'-3½"	-8.4
10	MECHANICAL	3'-2" X 1'-9"	-5.6
11	PLUMBING	IRREGULAR	-9.4
12	MECHANICAL	2'-10" X 2'-6"	-7.0
13	MECHANICAL	2'-0" X 4'-3½"	-8.5
14	MECHANICAL	1'-10" X 3'-8"	-6.7
15	MECHANICAL	2'-3" X 1'-6½"	-3.5
16	PLUMBING	8'-7" X 6½"	-4.7
17	MECHANICAL	3'-5" X 1'-5½"	-4.9
18	PLUMBING	6'-5½" X 8½"	-4.5
19	MECHANICAL	2'-6" X 2'-7"	-6.5
20	MECHANICAL	1'-10½" X 2'-5½"	-4.5
21	PLUMBING	7'-9" X 8"	-6.9
22	MECHANICAL	2'-5" X 2'-1"	-5.0
23	MECHANICAL	2'-2" X 3'-0½"	-6.6
24	MECHANICAL	2'-0" X 2'-9"	-8.8
25	MECHANICAL	3'-4½" X 3'-2"	-10.7
26	PLUMBING	IRREGULAR	-6.7
27	MECHANICAL	1'-9½" X 4'-6"	-8.8
28	ELECTRICAL	2'-4" X 12'-3"	-28.6
29	MECHANICAL	3'-0" X 2'-7½"	-7.9
30	PLUMBING	IRREGULAR	-6.7
31	MECHANICAL	1'-9½" X 4'-6"	-8.8
32	MECHANICAL	2'-2" X 2'-11½"	-6.4
TOTAL MECHANICAL DEDUCTIONS PER FLOOR			-232.50
TOTAL ZONING FLOOR AREA PER FLOOR			4162.30



2 MECHANICAL DEDUCTIONS – 11TH AND 12TH FLOORS
SCALE : 1/8" = 1'-0"

11th-12th FLOOR - MECHANICAL DEDUCTIONS			
GROSS FLOOR SQUARE FOOTAGE PER FLOOR			
DESIGNATION	USE	SIZE	TOTAL S.F.
A	HOTEL	IRREGULAR	4,390.03
TOTAL GROSS FLOOR AREA PER FLOOR			4390.03
MECHANICAL DEDUCTIONS PER FLOOR			
DESIGNATION	USE	SIZE	TOTAL S.F.
1	PLUMBING	6'-0" X 8"	-3.8
2	MECHANICAL	3'-4½" X 1'-5"	-4.7
3	PLUMBING	10'-6" X 8"	-6.8
4	MECHANICAL	3'-0" X 1'-6"	-4.5
5	PLUMBING	IRREGULAR	-7.8
6	MECHANICAL	2'-1½" X 1'-10"	-3.8
7	MECHANICAL	1'-10" X 3'-8"	-6.7
8	MECHANICAL	2'-10" X 2'-5½"	-6.9
9	MECHANICAL	2'-0" X 4'-3½"	-8.4
10	MECHANICAL	3'-2" X 1'-9"	-5.6
11	PLUMBING	IRREGULAR	-9.4
12	MECHANICAL	2'-10" X 2'-6"	-7.0
13	MECHANICAL	2'-0" X 4'-3½"	-8.5
14	MECHANICAL	1'-10" X 3'-8"	-6.7
15	MECHANICAL	2'-3" X 1'-6½"	-3.5
16	PLUMBING	8'-7" X 6½"	-4.7
17	MECHANICAL	3'-5" X 1'-5½"	-4.9
18	PLUMBING	6'-5½" X 8½"	-4.5
19	MECHANICAL	2'-6" X 2'-7"	-6.5
20	MECHANICAL	1'-10½" X 2'-5½"	-4.5
21	PLUMBING	7'-9" X 8"	-6.9
22	MECHANICAL	2'-5" X 2'-1"	-5.0
23	MECHANICAL	2'-2" X 3'-0½"	-6.6
24	MECHANICAL	2'-0" X 2'-9"	-8.8
25	MECHANICAL	3'-4½" X 3'-2"	-10.7
26	PLUMBING	IRREGULAR	-6.7
27	MECHANICAL	1'-9½" X 4'-6"	-8.8
28	ELECTRICAL	2'-4" X 12'-3"	-28.6
29	MECHANICAL	3'-0" X 2'-7½"	-7.9
30	PLUMBING	IRREGULAR	-6.7
31	MECHANICAL	1'-9½" X 4'-6"	-8.8
32	MECHANICAL	2'-2" X 2'-11½"	-6.4
TOTAL MECHANICAL DEDUCTIONS PER FLOOR			-231.10
TOTAL ZONING FLOOR AREA PER FLOOR			4158.93

BLOCK: 759 LOT: 55

6/13/2011 21073-TITLE-ZONING Plotted: 10/8/2014 Xrefs: 21362-TB-2ADB.dwg 21362_10th FLOOR PLAN 21362_SHEARWALLS 8-15 21362_11-12th FLOOR PLAN

Issue Record

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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

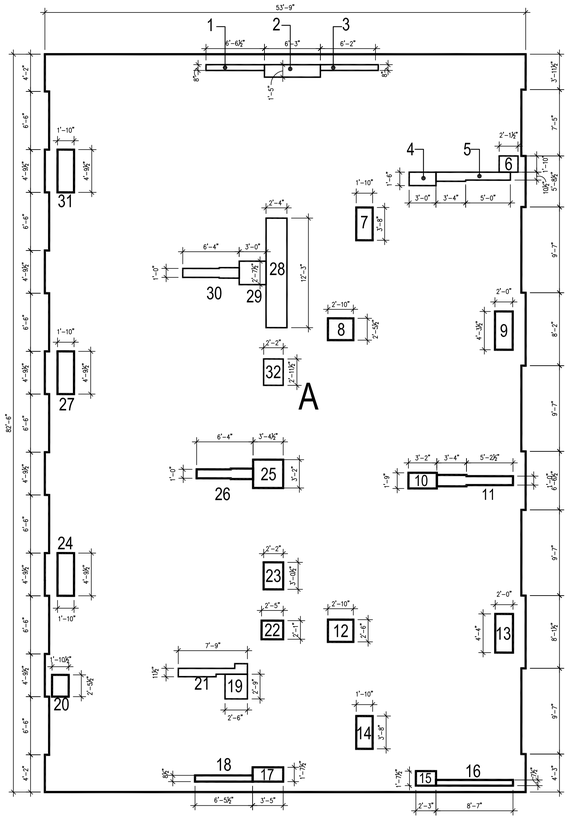
MECHANICAL DEDUCTIONS – TENTH FLOOR, AND ELEVENTH AND TWELFTH FLOORS

Drawing Number ## of

Z-108.00

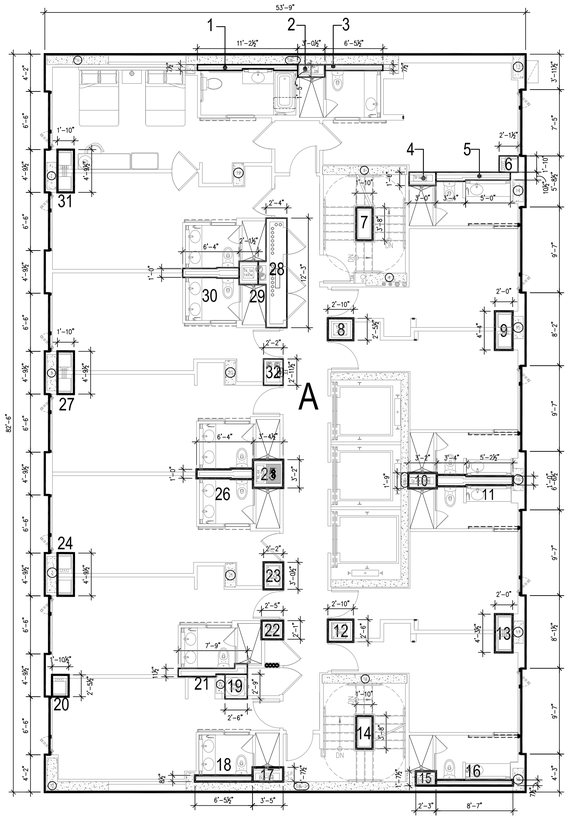
DOB B-Scan

AS NOTED 21362



1 MECHANICAL DEDUCTIONS – 13TH TO 15TH FLOOR
SCALE : 1/8" = 1'-0"

13th-15th FLOOR - MECHANICAL DEDUCTIONS			
GROSS FLOOR SQUARE FOOTAGE PER FLOOR			
DESIGNATION	USE	SIZE	TOTAL S.F.
A	HOTEL	IRREGULAR	4,390.65
TOTAL GROSS FLOOR AREA PER FLOOR			4390.65
MECHANICAL DEDUCTIONS PER FLOOR			
DESIGNATION	USE	SIZE	TOTAL S.F.
1	PLUMBING	11'-0" X 8"	-4.2
2	MECHANICAL	3'-6½" X 1'-5"	-8.7
3	PLUMBING	6'-0" X 8"	-4.17
4	MECHANICAL	3'-0" X 1'-6"	-4.5
5	PLUMBING	IRREGULAR	-7.8
6	MECHANICAL	2'-1½" X 1'-10"	-3.8
7	MECHANICAL	1'-10" X 3'-8"	-6.7
8	MECHANICAL	2'-10" X 2'-5½"	-6.9
9	MECHANICAL	2'-0" X 4'-3½"	-8.4
10	MECHANICAL	3'-2" X 1'-9"	-5.6
11	PLUMBING	IRREGULAR	-9.4
12	MECHANICAL	2'-10" X 2'-6"	-7.0
13	MECHANICAL	2'-0" X 4'-3½"	-8.5
14	MECHANICAL	1'-10" X 3'-8"	-6.7
15	MECHANICAL	2'-3" X 1'-6½"	-3.5
16	PLUMBING	8'-7" X 6½"	-4.7
17	MECHANICAL	3'-5" X 1'-5½"	-4.9
18	PLUMBING	6'-5½" X 8½"	-4.5
19	MECHANICAL	2'-6" X 2'-7"	-6.5
20	MECHANICAL	1'-10½" X 2'-5½"	-4.5
21	PLUMBING	7'-9" X 8"	-6.9
22	MECHANICAL	2'-5" X 2'-1"	-5.0
23	MECHANICAL	2'-2" X 3'-0½"	-6.6
24	MECHANICAL	2'-0" X 2'-9"	-8.8
25	MECHANICAL	3'-4½" X 3'-2"	-10.7
26	PLUMBING	IRREGULAR	-6.7
27	MECHANICAL	1'-9½" X 4'-6"	-8.8
28	ELECTRICAL	2'-4" X 12'-3"	-28.6
29	MECHANICAL	3'-0" X 2'-7½"	-7.9
30	PLUMBING	IRREGULAR	-6.7
31	MECHANICAL	1'-9½" X 4'-6"	-8.8
32	MECHANICAL	2'-2" X 2'-11½"	-6.4
TOTAL MECHANICAL DEDUCTIONS PER FLOOR			-232.87
TOTAL ZONING FLOOR AREA PER FLOOR			4157.78



2 MECHANICAL DEDUCTIONS – 16TH TO 18TH FLOOR
SCALE : 1/8" = 1'-0"

16th-18th FLOOR - MECHANICAL DEDUCTIONS			
GROSS FLOOR SQUARE FOOTAGE PER FLOOR			
DESIGNATION	USE	SIZE	TOTAL S.F.
A	HOTEL	IRREGULAR	4,390.65
TOTAL GROSS FLOOR AREA PER FLOOR			4390.65
MECHANICAL DEDUCTIONS PER FLOOR			
DESIGNATION	USE	SIZE	TOTAL S.F.
1	PLUMBING	IRREGULAR	-6.5
2	MECHANICAL	3'-0½" X 1'-5"	-4.2
3	PLUMBING	6'-5" X 7"	-4.2
4	MECHANICAL	3'-0" X 1'-6"	-4.5
5	PLUMBING	IRREGULAR	-7.8
6	MECHANICAL	2'-1½" X 1'-10"	-3.8
7	MECHANICAL	1'-10" X 3'-8"	-6.7
8	MECHANICAL	2'-10" X 2'-5½"	-6.9
9	MECHANICAL	2'-0" X 4'-4"	-8.4
10	MECHANICAL	3'-2" X 1'-9"	-5.6
11	PLUMBING	IRREGULAR	-9.4
12	MECHANICAL	2'-10" X 2'-6"	-7.0
13	MECHANICAL	2'-0" X 4'-4"	-8.5
14	MECHANICAL	1'-10" X 3'-8"	-6.7
15	MECHANICAL	2'-3" X 1'-7½"	-3.5
16	PLUMBING	8'-7" X 7½"	-4.7
17	MECHANICAL	3'-5" X 1'-7½"	-4.9
18	MECHANICAL	6'-5½" X 8½"	-4.5
19	MECHANICAL	2'-6" X 2'-9"	-6.5
20	MECHANICAL	1'-9½" X 2'-5½"	-4.5
21	PLUMBING	IRREGULAR	-6.9
22	MECHANICAL	2'-5" X 2'-1"	-5.0
23	MECHANICAL	2'-2" X 3'-0½"	-6.6
24	MECHANICAL	2'-0" X 2'-9"	-8.8
25	MECHANICAL	3'-4½" X 3'-2"	-10.7
26	PLUMBING	IRREGULAR	-6.7
27	MECHANICAL	1'-9½" X 4'-6"	-8.8
28	ELECTRICAL	IRREGULAR	-28.6
29	MECHANICAL	2'-1½" X 2'-7½"	-7.9
30	PLUMBING	IRREGULAR	-6.7
31	MECHANICAL	1'-9½" X 4'-6"	-8.8
32	MECHANICAL	2'-2" X 2'-11½"	-6.4
TOTAL MECHANICAL DEDUCTIONS PER FLOOR			-230.70
TOTAL ZONING FLOOR AREA PER FLOOR			4159.95

BLOCK: 759 LOT: 55

6 / 13 / 2011 21073-TITLE-ZONING.DWG Plotted: 10 / 8 / 2014 Xrefs: | 21362-TB-2ADB -XDB | 21362_13-15TH FLOOR PLAN | 21362_16-18TH FLOOR PLAN | 21362_3HEARINGALLS 8-15 | 21362_3HEARINGALLS 16-18

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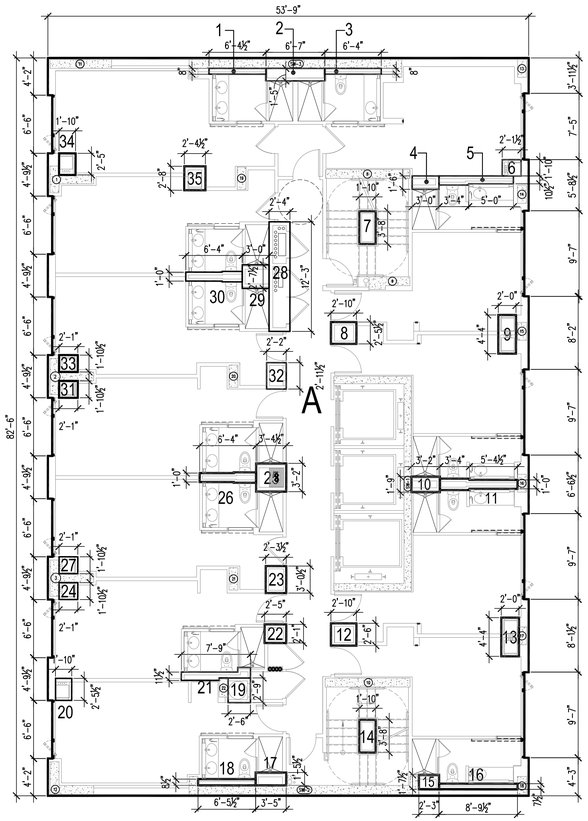
MECHANICAL DEDUCTIONS – 13TH TO TO 15TH FLOOR, AND 16TH TO 18TH FLOOR

Drawing Number ## of

Z-109.00

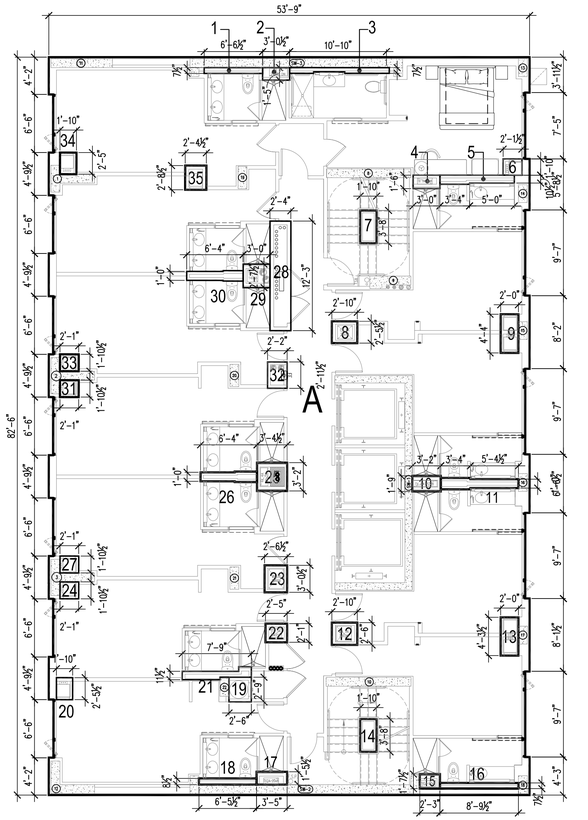
DOB B-Scan

AS NOTED 21362



1 MECHANICAL DEDUCTIONS – 19TH FLOOR
SCALE : 1/8" = 1'-0"

19th FLOOR - MECHANICAL DEDUCTIONS			
GROSS FLOOR SQUARE FOOTAGE PER FLOOR			
DESIGNATION	USE	SIZE	TOTAL S.F.
A	HOTEL	IRREGULAR	4,390.65
TOTAL GROSS FLOOR AREA PER FLOOR			4390.65
MECHANICAL DEDUCTIONS PER FLOOR			
DESIGNATION	USE	SIZE	TOTAL S.F.
1	PLUMBING	6'-4" X 8"	-4.1
2	MECHANICAL	6'-7" X 1'-5"	-9.1
3	PLUMBING	6'-4" X 8"	-4.0
4	MECHANICAL	3'-0" X 1'-6"	-4.5
5	PLUMBING	IRREGULAR	-7.8
6	MECHANICAL	2'-1½" X 1'-10"	-3.8
7	MECHANICAL	1'-10" X 3'-8"	-6.7
8	MECHANICAL	2'-10" X 2'-5½"	-6.9
9	MECHANICAL	2'-0" X 4'-4"	-8.6
10	MECHANICAL	3'-2" X 1'-9"	-5.6
11	PLUMBING	IRREGULAR	-9.6
12	MECHANICAL	2'-10" X 2'-6"	-7.0
13	MECHANICAL	2'-0" X 4'-4"	-8.6
14	MECHANICAL	1'-10" X 3'-8"	-6.7
15	MECHANICAL	2'-3" X 1'-7½"	-3.7
16	PLUMBING	8'-9½" X 7½"	-5.6
17	MECHANICAL	3'-5" X 1'-5½"	-4.9
18	PLUMBING	6'-5½" X 8½"	-4.5
19	MECHANICAL	2'-6" X 2'-9"	-6.9
20	MECHANICAL	1'-10" X 2'-5½"	-4.4
21	PLUMBING	IRREGULAR	-7.0
22	MECHANICAL	2'-5" X 2'-1"	-5.0
23	MECHANICAL	2'-3½" X 3'-0½"	-6.9
24	MECHANICAL	2'-0" X 2'-9½"	-3.94
25	MECHANICAL	3'-4½" X 3'-2"	-10.7
26	PLUMBING	IRREGULAR	-6.7
27	MECHANICAL	2'-0" X 2'-5"	-3.97
28	ELECTRICAL	IRREGULAR	-28.6
29	MECHANICAL	2'-1½" X 2'-7½"	-7.9
30	PLUMBING	IRREGULAR	-6.7
31	MECHANICAL	2'-0" X 2'-3"	-3.95
32	MECHANICAL	2'-2" X 2'-11½"	-6.4
33	MECHANICAL	2'-0" X 2'-1½"	-3.95
34	MECHANICAL	2'-4" X 2'-11½"	-4.45
35	MECHANICAL	2'-4½" X 2'-8"	-6.3
TOTAL MECHANICAL DEDUCTIONS PER FLOOR			-235.46
TOTAL ZONING FLOOR AREA PER FLOOR			4155.19



2 MECHANICAL DEDUCTIONS – 20TH FLOOR
SCALE : 1/8" = 1'-0"

20th FLOOR - MECHANICAL DEDUCTIONS			
GROSS FLOOR SQUARE FOOTAGE PER FLOOR			
DESIGNATION	USE	SIZE	TOTAL S.F.
A	HOTEL	IRREGULAR	4394.03
TOTAL GROSS FLOOR AREA PER FLOOR			4394.03
MECHANICAL DEDUCTIONS PER FLOOR			
DESIGNATION	USE	SIZE	TOTAL S.F.
1	PLUMBING	6'-6½" X 7½"	-4.2
2	MECHANICAL	3'-0½" X 1'-5"	-4.2
3	PLUMBING	IRREGULAR	-6.5
4	MECHANICAL	3'-0" X 1'-6"	-4.5
5	PLUMBING	IRREGULAR	-7.8
6	MECHANICAL	2'-1½" X 1'-10"	-3.8
7	MECHANICAL	1'-10" X 3'-8"	-6.7
8	MECHANICAL	2'-10" X 2'-5½"	-6.9
9	MECHANICAL	2'-0" X 4'-4"	-8.6
10	MECHANICAL	3'-2" X 1'-9"	-5.6
11	PLUMBING	IRREGULAR	-9.6
12	MECHANICAL	2'-10" X 2'-6"	-7.0
13	MECHANICAL	2'-0" X 4'-4"	-8.6
14	MECHANICAL	1'-10" X 3'-8"	-6.7
15	MECHANICAL	2'-3" X 1'-7½"	-3.7
16	PLUMBING	8'-9½" X 7½"	-5.6
17	MECHANICAL	3'-5" X 1'-5½"	-4.9
18	PLUMBING	6'-5½" X 8½"	-4.5
19	MECHANICAL	2'-6" X 2'-9"	-6.9
20	MECHANICAL	1'-10" X 2'-5½"	-4.4
21	PLUMBING	IRREGULAR	-7.0
22	MECHANICAL	2'-5" X 2'-1"	-5.0
23	MECHANICAL	2'-6½" X 3'-0½"	-6.9
24	MECHANICAL	2'-0" X 2'-9½"	-3.94
25	MECHANICAL	3'-4½" X 3'-2"	-10.7
26	PLUMBING	IRREGULAR	-6.7
27	MECHANICAL	2'-0" X 2'-5"	-3.97
28	ELECTRICAL	IRREGULAR	-28.6
29	MECHANICAL	2'-1½" X 2'-7½"	-7.9
30	PLUMBING	IRREGULAR	-6.7
31	MECHANICAL	2'-0" X 2'-3"	-3.95
32	MECHANICAL	2'-2" X 2'-11½"	-6.4
33	MECHANICAL	2'-0" X 2'-1½"	-3.95
34	MECHANICAL	2'-4" X 2'-11½"	-4.45
35	MECHANICAL	2'-4½" X 2'-8½"	-6.3
TOTAL MECHANICAL DEDUCTIONS PER FLOOR			-233.16
TOTAL ZONING FLOOR AREA PER FLOOR			4160.87

BLOCK: 759 LOT: 55

6 / 13 / 2011 21073-TITLE-SOM23.DWG Plotted: 10 / 6 / 2014 3:46pm | 21362-1B-24X36 -XOB | 21362_20TH FLOOR PLAN | 21362_3REARWALLS 19-20 | 21362_19TH FLOOR PLAN

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

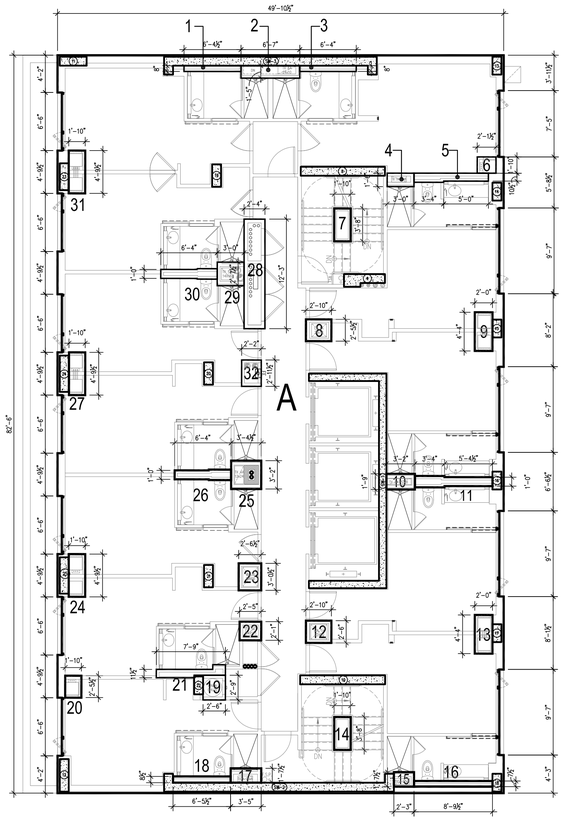
MECHANICAL DEDUCTIONS – NINETEENTH FLOOR, AND TWENTIETH FLOOR

Drawing Number ## of

Z-110.00

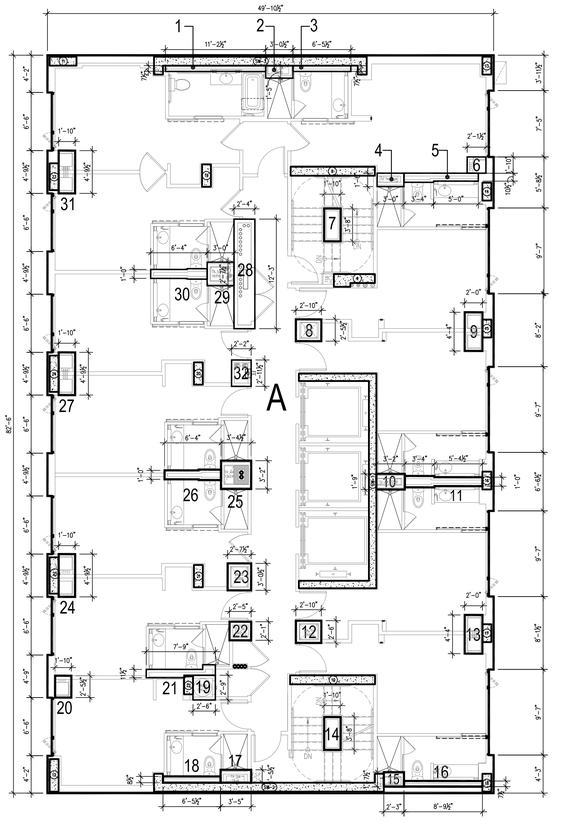
DOB B-Scan

AS NOTED 21362



1 MECHANICAL DEDUCTIONS – 21ST FLOOR
SCALE : 1/8" = 1'-0"

21ST FLOOR - MECHANICAL DEDUCTIONS			
GROSS FLOOR SQUARE FOOTAGE PER FLOOR			
DESIGNATION	USE	SIZE	TOTAL S.F.
A	HOTEL	IRREGULAR	4,069.05
TOTAL GROSS FLOOR AREA PER FLOOR			4069.05
MECHANICAL DEDUCTIONS PER FLOOR			
DESIGNATION	USE	SIZE	TOTAL S.F.
1	PLUMBING	6'-4½" X 8"	-4.1
2	MECHANICAL	6'-7" X 1'-5"	-9.1
3	PLUMBING	6'-4" X 8"	-4.0
4	MECHANICAL	3'-0" X 1'-6"	-4.5
5	PLUMBING	IRREGULAR	-7.8
6	MECHANICAL	2'-1½" X 1'-10"	-3.8
7	MECHANICAL	1'-10" X 3'-8"	-6.7
8	MECHANICAL	2'-10" X 2'-5½"	-6.9
9	MECHANICAL	2'-0" X 4'-4"	-8.6
10	MECHANICAL	3'-2" X 1'-9"	-5.6
11	PLUMBING	IRREGULAR	-9.6
12	MECHANICAL	2'-10" X 2'-6"	-7.0
13	MECHANICAL	2'-0" X 4'-4"	-8.6
14	MECHANICAL	1'-10" X 3'-8"	-6.7
15	MECHANICAL	2'-3" X 1'-7½"	-3.7
16	PLUMBING	8'-9½" X 7½"	-5.6
17	MECHANICAL	3'-5" X 1'-7½"	-5.5
18	PLUMBING	6'-5½" X 8½"	-4.5
19	MECHANICAL	2'-6" X 2'-9"	-6.9
20	MECHANICAL	1'-10" X 2'-5½"	-4.4
21	PLUMBING	IRREGULAR	-7.0
22	MECHANICAL	2'-5" X 2'-1"	-5.0
23	MECHANICAL	2'-6½" X 3'-0½"	-7.6
24	MECHANICAL	1'-10" X 4'-9½"	-8.8
25	MECHANICAL	3'-4½" X 3'-2"	-10.7
26	PLUMBING	IRREGULAR	-6.7
27	MECHANICAL	1'-10" X 4'-9½"	-8.8
28	ELECTRICAL	IRREGULAR	-28.6
29	MECHANICAL	2'-1½" X 2'-7½"	-7.9
30	PLUMBING	IRREGULAR	-6.7
31	MECHANICAL	1'-10" X 4'-9½"	-8.8
32	MECHANICAL	2'-2" X 2'-11½"	-6.4
TOTAL MECHANICAL DEDUCTIONS PER FLOOR			-236.60
TOTAL ZONING FLOOR AREA PER FLOOR			3832.45



2 MECHANICAL DEDUCTIONS – 22ND TO 24TH FLOOR
SCALE : 1/8" = 1'-0"

22nd-24th FLOOR - MECHANICAL DEDUCTIONS			
GROSS FLOOR SQUARE FOOTAGE PER FLOOR			
DESIGNATION	USE	SIZE	TOTAL S.F.
A	HOTEL	IRREGULAR	4,069.05
TOTAL GROSS FLOOR AREA PER FLOOR			4069.05
MECHANICAL DEDUCTIONS PER FLOOR			
DESIGNATION	USE	SIZE	TOTAL S.F.
1	PLUMBING	11'-2⅞" X 7½"	-7.2
2	MECHANICAL	3'-0½" X 1'-5"	-4.3
3	PLUMBING	6'-5½" X 7½"	-4.2
4	MECHANICAL	3'-0" X 1'-6"	-4.5
5	PLUMBING	IRREGULAR	-7.8
6	MECHANICAL	2'-1½" X 1'-10"	-3.8
7	MECHANICAL	1'-10" X 3'-8"	-6.7
8	MECHANICAL	2'-10" X 2'-5½"	-6.9
9	MECHANICAL	2'-0" X 4'-4"	-8.6
10	MECHANICAL	3'-2" X 1'-9"	-5.6
11	PLUMBING	IRREGULAR	-9.6
12	MECHANICAL	2'-10" X 2'-6"	-7.0
13	MECHANICAL	2'-0" X 4'-4"	-8.6
14	MECHANICAL	1'-10" X 3'-8"	-6.7
15	MECHANICAL	2'-3" X 1'-7½"	-3.7
16	PLUMBING	8'-9½" X 7½"	-5.6
17	MECHANICAL	3'-5" X 1'-5½"	-5.5
18	PLUMBING	6'-5½" X 8½"	-4.5
19	MECHANICAL	2'-6" X 2'-9"	-6.9
20	MECHANICAL	1'-10" X 2'-5½"	-4.4
21	PLUMBING	IRREGULAR	-7.0
22	MECHANICAL	2'-5" X 2'-1"	-5.0
23	MECHANICAL	2'-7½" X 3'-0½"	-7.6
24	MECHANICAL	1'-10" X 4'-9½"	-8.8
25	MECHANICAL	3'-4½" X 3'-2"	-10.7
26	PLUMBING	IRREGULAR	-6.7
27	MECHANICAL	1'-10" X 4'-9½"	-8.8
28	ELECTRICAL	IRREGULAR	-28.6
29	MECHANICAL	2'-1½" X 2'-7½"	-7.9
30	PLUMBING	IRREGULAR	-6.7
31	MECHANICAL	1'-10" X 4'-9½"	-8.8
32	MECHANICAL	2'-2" X 2'-11½"	-6.4
TOTAL MECHANICAL DEDUCTIONS PER FLOOR			-235.10
TOTAL ZONING FLOOR AREA PER FLOOR			3833.95

BLOCK: 759 LOT: 55

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
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08.25.2014	D.O.B. SUBMISSION
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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

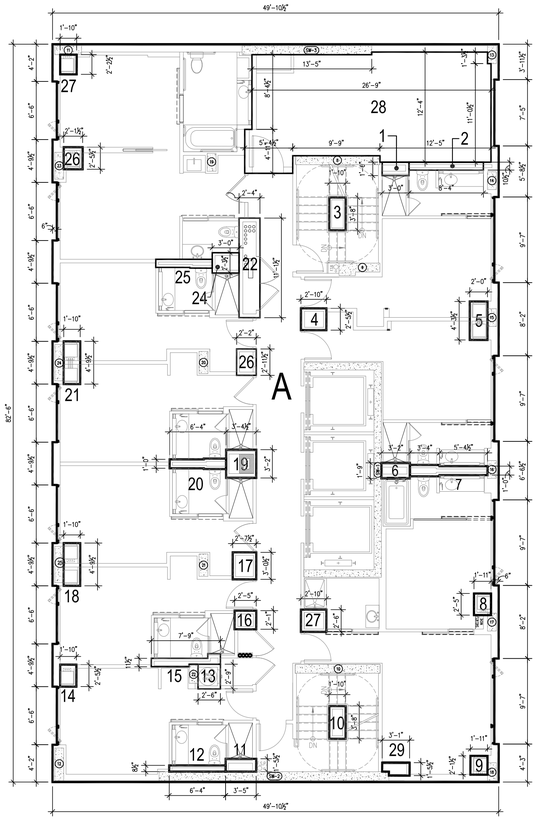
MECHANICAL DEDUCTIONS – 21ST FLOOR, AND 22ND TO 24TH FLOOR

Drawing Number ## of

Z-111.00

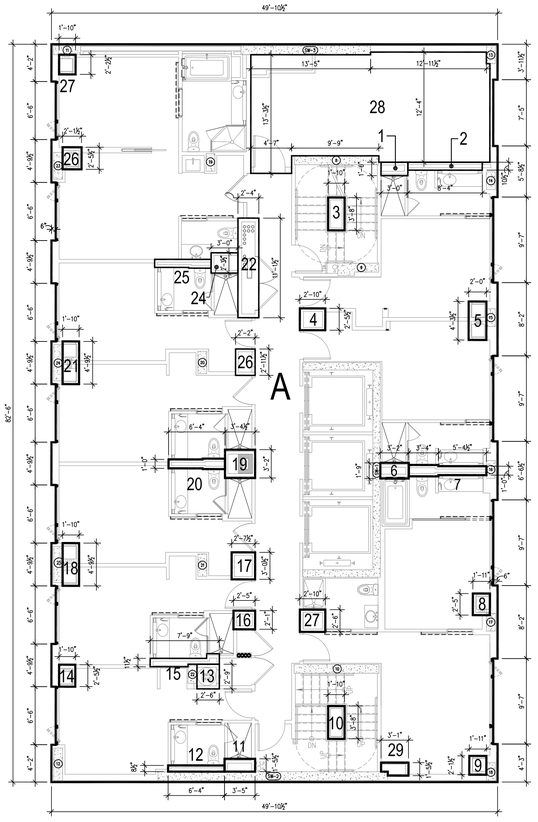
DOB B-Scan

AS NOTED 21362



1 MECHANICAL DEDUCTIONS – 25TH FLOOR
SCALE : 1/8" = 1'-0"

25th FLOOR - MECHANICAL DEDUCTIONS			
GROSS FLOOR SQUARE FOOTAGE PER FLOOR			
DESIGNATION	USE	SIZE	TOTAL S.F.
A	HOTEL	IRREGULAR	4071.02
TOTAL GROSS FLOOR AREA PER FLOOR			4071.0200
MECHANICAL DEDUCTIONS PER FLOOR			
DESIGNATION	USE	SIZE	TOTAL S.F.
1	MECHANICAL	3'-0" X 1'-6"	-4.5
2	PLUMBING	8'-4" X 10-1/2"	-7.3
3	MECHANICAL	1'-10" X 3'-8"	-6.7
4	MECHANICAL	2'-10" X 2'-5½"	-6.9
5	MECHANICAL	2'-0" X 4'-3½"	-8.5
6	MECHANICAL	3'-2" X 1'-9"	-5.6
7	PLUMBING	IRREGULAR	-9.6
8	MECHANICAL	IRREGULAR	-4.6
9	MECHANICAL	IRREGULAR	-4.0
10	MECHANICAL	1'-10" X 3'-8"	-6.7
11	MECHANICAL	3'-5" X 1'-5½"	-5.0
12	PLUMBING	6'-4" X 8½"	-4.4
13	MECHANICAL	2'-6" X 2'-9"	-6.9
14	MECHANICAL	1'-10" X 2'-5½"	-4.5
15	PLUMBING	IRREGULAR	-7.0
16	MECHANICAL	2'-5" X 2'-1"	-5.0
17	MECHANICAL	2'-7½" X 3'-0½"	-7.9
18	MECHANICAL	1'-10" X 4'-9½"	-8.8
19	MECHANICAL	3'-4½" X 3'-2"	-10.7
20	PLUMBING	IRREGULAR	-6.7
21	MECHANICAL	1'-10" X 4'-9½"	-8.8
22	ELECTRICAL	2'-4" X 11'-1½"	-26.0
23	MECHANICAL	2'-1½" X 2'-7½"	-5.6
24	PLUMBING	3'-0" X 2'-3½"	-6.8
25	PLUMBING	IRREGULAR	-5.9
26	MECHANICAL	2'-1½" X 2'-5½"	-5.2
27	MECHANICAL	1'-10" X 2'-2½"	-4.05
28	MECHANICAL	IRREGULAR	-327.32
29	MECHANICAL	IRREGULAR	-4.1
TOTAL MECHANICAL DEDUCTIONS PER FLOOR			-525.07
TOTAL ZONING FLOOR AREA PER FLOOR			3545.95



2 MECHANICAL DEDUCTIONS – 26TH FLOOR
SCALE : 1/8" = 1'-0"

26TH FLOOR - MECHANICAL DEDUCTIONS			
GROSS FLOOR SQUARE FOOTAGE PER FLOOR			
DESIGNATION	USE	SIZE	TOTAL S.F.
A	HOTEL	IRREGULAR	4071.02
TOTAL GROSS FLOOR AREA PER FLOOR			4071.0200
MECHANICAL DEDUCTIONS PER FLOOR			
DESIGNATION	USE	SIZE	TOTAL S.F.
1	MECHANICAL	3'-0" X 1'-6"	-4.5
2	PLUMBING	8'-4" X 10-1/2"	-7.3
3	MECHANICAL	1'-10" X 3'-8"	-6.7
4	MECHANICAL	2'-10" X 2'-5½"	-6.9
5	MECHANICAL	2'-0" X 4'-3½"	-8.5
6	MECHANICAL	3'-2" X 1'-9"	-5.6
7	PLUMBING	IRREGULAR	-9.6
8	MECHANICAL	IRREGULAR	-4.6
9	MECHANICAL	IRREGULAR	-4.0
10	MECHANICAL	1'-10" X 3'-8"	-6.7
11	MECHANICAL	3'-5" X 1'-5½"	-5.0
12	PLUMBING	6'-4" X 8½"	-4.4
13	MECHANICAL	2'-6" X 2'-9"	-6.9
14	MECHANICAL	1'-10" X 2'-5½"	-4.5
15	PLUMBING	IRREGULAR	-7.0
16	MECHANICAL	2'-5" X 2'-1"	-5.0
17	MECHANICAL	2'-7½" X 3'-0½"	-7.9
18	MECHANICAL	1'-10" X 4'-9½"	-8.8
19	MECHANICAL	3'-4½" X 3'-2"	-10.7
20	PLUMBING	IRREGULAR	-6.7
21	MECHANICAL	1'-10" X 4'-9½"	-8.8
22	ELECTRICAL	2'-4" X 11'-1½"	-26.0
23	MECHANICAL	2'-1½" X 2'-7½"	-5.6
24	PLUMBING	3'-0" X 2'-3½"	-6.8
25	PLUMBING	IRREGULAR	-5.9
26	MECHANICAL	2'-1½" X 2'-5½"	-5.2
27	MECHANICAL	1'-10" X 2'-2½"	-4.05
28	MECHANICAL	IRREGULAR	-323.34
29	MECHANICAL	IRREGULAR	-4.1
TOTAL MECHANICAL DEDUCTIONS PER FLOOR			-521.09
TOTAL ZONING FLOOR AREA PER FLOOR			3549.93

BLOCK: 759 LOT: 55

6 / 13 / 2011 21073-TITLE-ZONING.DWG Plotted: 10 / 8 / 2014 Wade | 21362-TB-2ADB .ADB | 21362_25TH FLOOR PLAN | 21362_SHEARWALLS 25-26 | 21362_25TH FLOOR PLAN

Issue Record

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04.30.2014	50% CD SUBMISSION
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Seal

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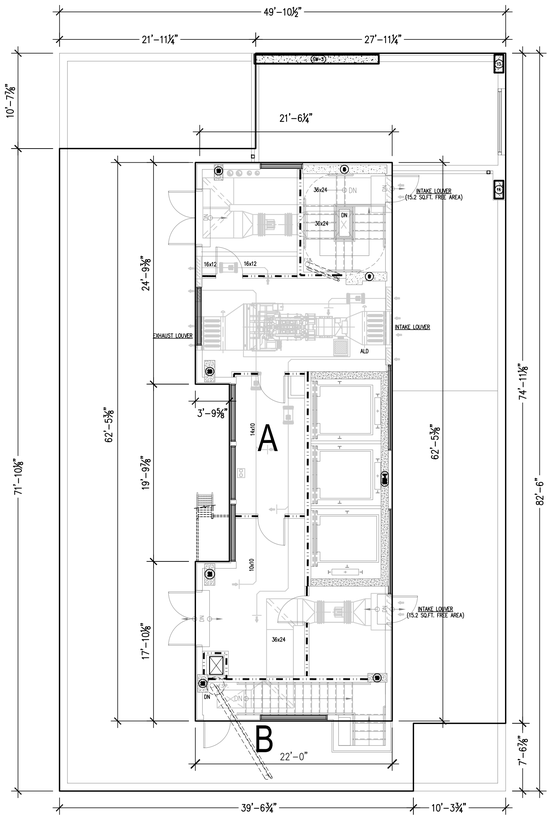
MECHANICAL DEDUCTIONS – 25TH AND 26TH FLOOR

Drawing Number of

Z-112.00

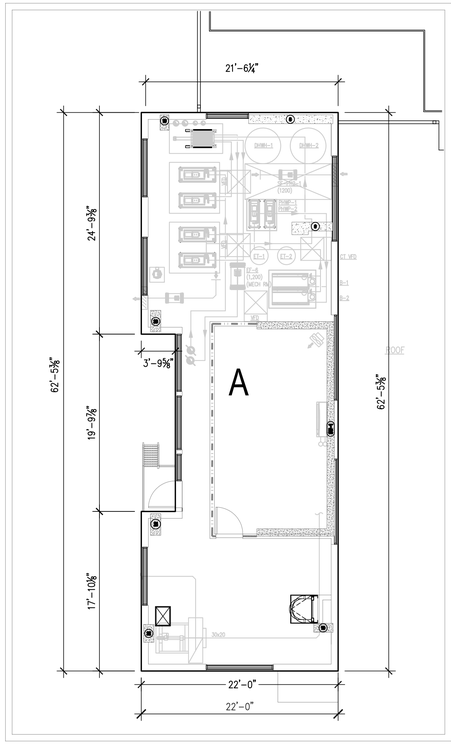
DOB B-Scan

AS NOTED 21362



1 MECHANICAL DEDUCTIONS – 27TH FLOOR
SCALE : 1/8" = 1'-0"

27TH FLOOR - AREA CALCULATIONS			
GROSS FLOOR SQUARE FOOTAGE			
DESIGNATION	USE	SIZE	TOTAL S.F.
A	MECHANICAL	IRREGULAR	1298.5
B	TERRACE		N/A
TOTAL ZONING FLOOR AREA			0



2 MECHANICAL DEDUCTIONS – 28TH FLOOR
SCALE : 1/8" = 1'-0"

28 TH FLOOR - AREA CALCULATIONS			
GROSS FLOOR SQUARE FOOTAGE			
DESIGNATION	USE	SIZE	TOTAL S.F.
A	MECHANICAL	IRREGULAR	1298.5
B			N/A
TOTAL ZONING FLOOR AREA			0

BLOCK: 759 LOT: 55

6 / 13 / 2011 21073-TITLE-SDXA12.DWG Plotted: 10 / 8 / 2014 Xrefs: | 21362-TB-2AUG -DOB | 21362_27 MECHANICAL PENTHOUSE | 21362_SHEARWALLS PENTHOUSE | 21362_28 MECHANICAL PENTHOUSE 2 | CPH-4A227

Issue Record

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05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

MECHANICAL DEDUCTIONS – 27TH FLOOR, AND 28TH FLOOR

Drawing Number ## of

Z-113.00

DOB B-Scan

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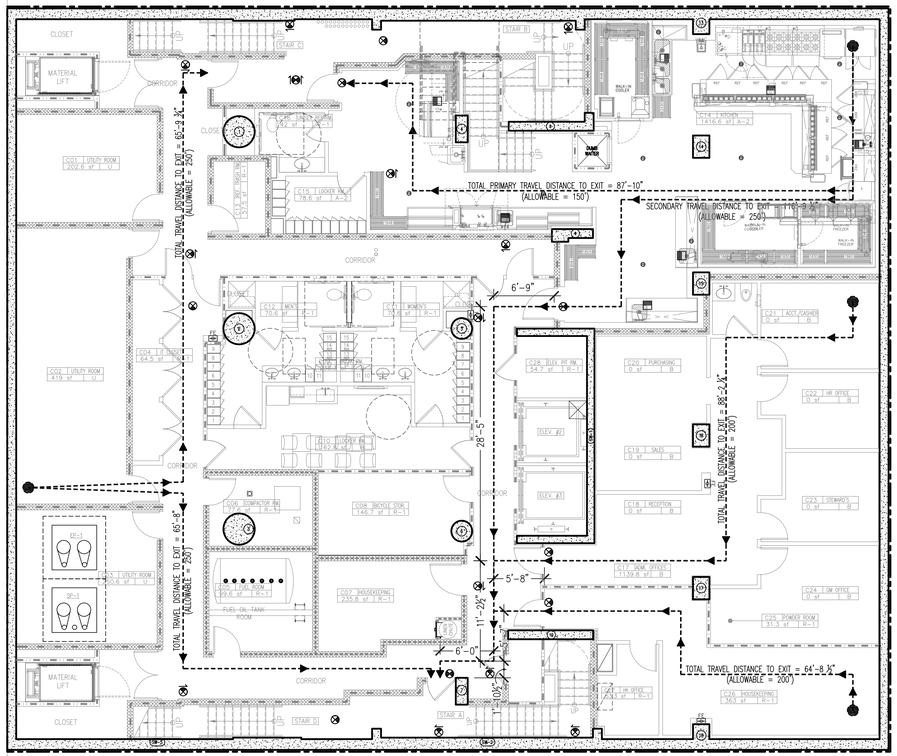

1 EGRESS PLAN – CELLAR FLOOR
SCALE : 1/8" = 1'-0"

MAXIMUM FLOOR AREA ALLOWABLE PER OCCUPANT TABLE 1004.1.2				
GROUND FLOOR				
USE OF SPACE	AREA (sf)	OCCUPANCY GROUP	SF/OCCUPANT (sf)	OCCUPANT LOAD
C01 (UTILITY)	202.6	U	300	1
C02 (UTILITY)	419	U	300	1
C03 (UTILITY)	250.6	U	300	1
C04 (IT CLOSET)	64.5	R-1	200	1
C05 (FUEL OIL TANK RM.)	99.8	R-1	200	1
C06 (COMPACTOR RM.)	77.6	R-1	200	1
C07 (HOUSEKEEPING)	235.8	R-1	200	1
C08 (BICYCLE STORAGE)	146.7	R-1	200	1
C09 (BREAK ROOM)	238.3	B	200	1
C10 (LOCKER ROOM)	162.8	B	50	3
C13 (REF. TRASH RM.)	57.5	R-1	200	1
C14 (KITCHEN)	1,416.6	A-2	200	7
C15 (LOCKER ROOM)	78.6	A-2	50	1
C17 (ADMIN. OFFICES)	1,139.8	B	100	11
C26 (HOUSEKEEPING)	363	R-1	200	1
C27 (HOUSEKPG. OFFICE)	53.3	R-1	200	1
C28 (ELEV. PIT RM.)	54.7	R-1	200	1
TOTAL FLOOR OCCUPANTS				35

EGRESS WIDTH PER OCCUPANT SERVED TABLE 1005.1		
GROUND FLOOR		
	STAIRWAYS (INCH/OCC.)	OTHER COMPONENTS (INCH/OCC)
	35 X 0.3 = 10.5"	35 X 0.2 = 7"
WIDTH CAPACITY	STAIR A	EXIT DOOR A
	44" W.	36" W.
	146	180
WIDTH CAPACITY	STAIR B	EXIT DOOR B
	44" W.	36" W.
	146	180
CAPACITY TOTAL	292	360
OCCUPANCY TOTAL	35	35

BLOCK: 759 LOT: 55

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
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EGRESS PLAN– CELLAR FLOOR

Drawing Number ## of

EG-100.00

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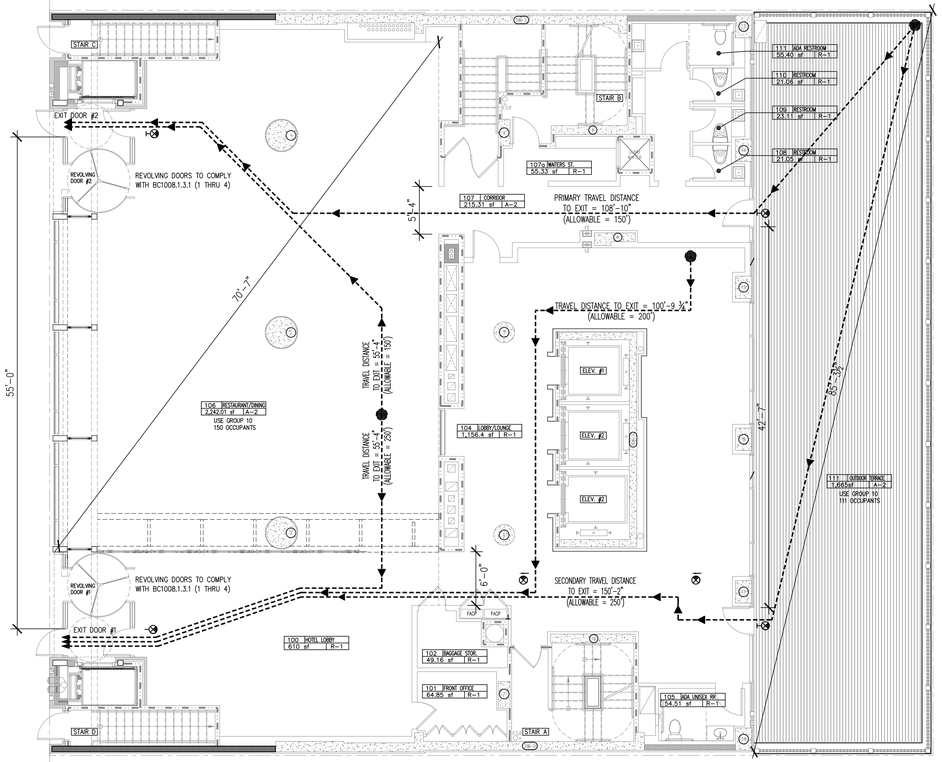


1 EGRESS PLAN – GROUND FLOOR
SCALE : 1/8" = 1'-0"

1014.2.1 TWO EXITS OR EXIT ACCESS DOORWAYS
WHERE TWO EXITS OR EXIT ACCESS DOORWAYS ARE REQUIRED FROM ANY PORTION OF THE EXIT ACCESS, THE EXIT DOORS OR EXIT ACCESS DOORWAYS SHALL BE PLACED A DISTANCE APART EQUAL TO NOT LESS THAN ONE-HALF OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE BUILDING OR AREA TO BE SERVED MEASURED IN A STRAIGHT LINE BETWEEN EXIT DOORS OR EXIT ACCESS DOORWAYS. STAIRS SHARING ANY COMMON WALL, FLOORS, CEILINGS, SCISSOR STAIR ASSEMBLIES, OR OTHER ENCLOSURES SHALL BE COUNTED AS ONE EXIT STAIRWAY.

EXCEPTIONS:

1. CORRIDOR MEASUREMENTS. WHERE EXIT ENCLOSURES ARE PROVIDED AS A PORTION OF THE REQUIRED EXIT AND ARE INTERCONNECTED BY A 1-HOUR FIRE-RESISTANCE-RATED CORRIDOR CONFORMING TO THE REQUIREMENTS OF SECTION 1016, THE REQUIRED EXIT SEPARATION SHALL BE MEASURED ALONG THE SHORTEST DIRECT LINE OF TRAVEL WITHIN THE CORRIDOR.

2. REMOTE LOCATION IN SPRINKLERED BUILDINGS. WHERE A BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1 OR 903.3.1.2, THE SEPARATION DISTANCE OF THE EXIT DOORS OR EXIT ACCESS DOORWAYS SHALL NOT BE LESS THAN ONE-THIRD OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA SERVED.

TABLE 1015.1 EXIT ACCESS TRAVEL DISTANCE

OCCUPANCY	WITHOUT SPRINKLER SYSTEM (FEET)	WITH SPRINKLER SYSTEM (FEET)
E, F-1, I-1, M, R, S-1	150	250

TABLE 1015.1 EXIT ACCESS TRAVEL DISTANCE

OCCUPANCY	WITHOUT SPRINKLER SYSTEM (FEET)		WITH SPRINKLER SYSTEM (FEET)	
	PRIMARY	SECONDARY	PRIMARY	SECONDARY
A-1, A-2, A-3, A-4	100	150	150	250
A-5	200	300	200	300

LOCATION	DIAGONAL DISTANCE	MINIMUM DIMENSION BETWEEN EXITS	DISTANCE PROVIDED	
RESTAURANT	70'-9⅝"	23'-4"	55'-0"	COMPLIES
OUTDOOR TERRACE	85'-3⅝"	28'-2"	42'-7"	COMPLIES

1008.1.3.1 REVOLVING DOORS. REVOLVING DOORS SHALL COMPLY WITH THE FOLLOWING:

1. EACH REVOLVING DOOR SHALL BE CAPABLE OF COLLAPSING INTO A BOOK FOLD POSITION WITH PARALLEL EGRESS PATHS PROVIDING AN AGGREGATE WIDTH OF 36 INCHES (914 MM).

2. A REVOLVING DOOR SHALL NOT BE LOCATED WITHIN 10 FEET (3048 MM) OF THE FOOT OF OR TOP OF STAIRS OR ESCALATORS. A DISPERSAL AREA SHALL BE PROVIDED BETWEEN THE STAIRS OR ESCALATORS AND THE REVOLVING DOORS.

3. THE REVOLUTIONS PER MINUTE (RPM) FOR A REVOLVING DOOR SHALL NOT EXCEED THOSE SHOWN IN TABLE 1008.1.3.1.

4. EACH REVOLVING DOOR SHALL HAVE A SIDE-HINGED SWINGING DOOR WHICH COMPLIES WITH SECTION 1008.1 IN THE SAME WALL AND WITHIN 10 FEET (3048 MM) OF THE REVOLVING DOOR.

TABLE 1008.1.3.1 REVOLVING DOOR SPEEDS

INSIDE DIAMETER (FEET-INCHES)	POWER-DRIVEN-TYPE SPEED CONTROL (RPM)	MANUAL-TYPE SPEED CONTROL (RPM)
6–6	11	12
7–0	10	11
7–6	9	11
8–0	9	10
8–6	8	9
9–0	8	9
9–6	7	8
10–0	7	8

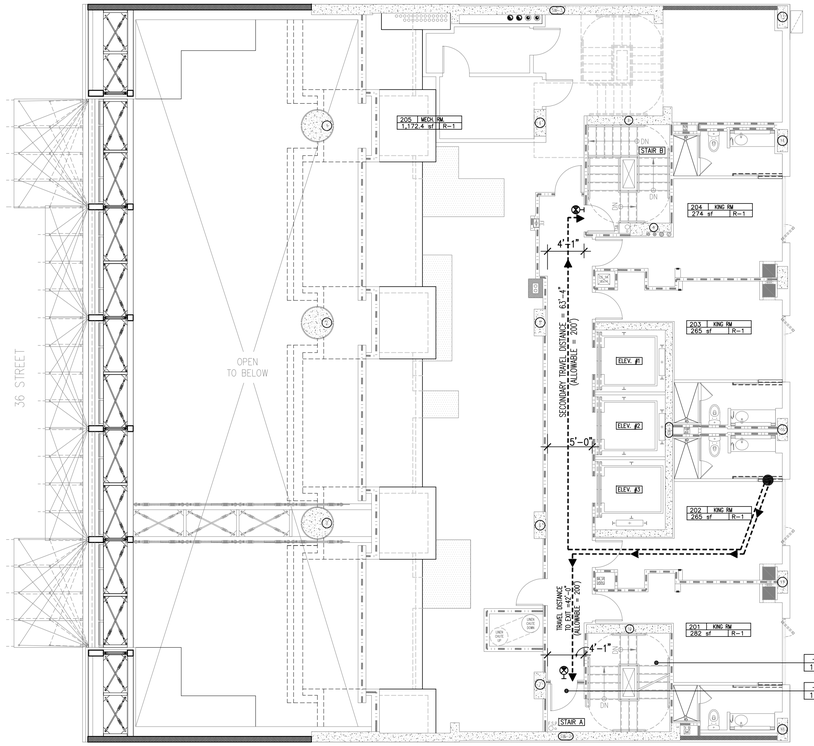
1008.1.3.1.1 EGRESS COMPONENT. A REVOLVING DOOR USED AS A COMPONENT OF A MEANS OF EGRESS SHALL COMPLY WITH SECTION 1008.1.3.1 AND THE FOLLOWING THREE CONDITIONS:
1. REVOLVING DOORS SHALL NOT BE GIVEN CREDIT FOR MORE THAN 50 PERCENT OF THE REQUIRED EGRESS CAPACITY.
2. EACH REVOLVING DOOR SHALL BE CREDITED WITH NO MORE THAN A 50-PERSON CAPACITY.
3. EACH REVOLVING DOOR SHALL BE CAPABLE OF BEING COLLAPSED WHEN A FORCE OF NOT MORE THAN 130 POUNDS (578 N) IS APPLIED WITHIN 3 INCHES (76 MM) OF THE OUTER EDGE OF A WING.

MAXIMUM FLOOR AREA ALLOWABLE PER OCCUPANT TABLE 1004.1.2
GROUND FLOOR

USE OF SPACE	AREA (sf)	OCCUPANCY GROUP	SF/OCCUPANT (sf)	OCCUPANT LOAD
100 (Hotel Lobby)	610	R-1	200	3
101 (FRONT OFFICE)	64.85	R-1	100	1
102 (BAGGAGE STORAGE)	49.16	R-1	200	1
103 (BAGGAGE STORAGE)	49.16	R-1	200	1
104 (LOBBY/LOUNGE)	1,146.4	R-1	200	1
106 (Restaurant) + 107 (Corridor) + 111(TERRACE)	4,122.32	A-2	15	275
TOTAL FLOOR OCCUPANTS				282

EGRESS WIDTH PER OCCUPANT SERVED TABLE 1005.1
GROUND FLOOR

	STAIRWAYS (INCH/OCC.)	OTHER COMPONENTS (INCH/OCC)
	277 X 0.3 = 83.1"	277 X 0.2 = 55.4"
WIDTH CAPACITY	STAIR A	EXIT DOOR A
	44" W.	36" W.
	146	180
WIDTH CAPACITY	STAIR B	EXIT DOOR B
	44" W.	36" W.
	146	180
WIDTH CAPACITY		REVOLVING DOORS 1&2
		(2)36" W = 72"
		72/0.2=360 = (50 MAX.)
CAPACITY TOTAL	292	410
OCCUPANCY TOTAL	277+50(REVOLVING DOOR)=327	277+50(REVOLVING DOOR)=327



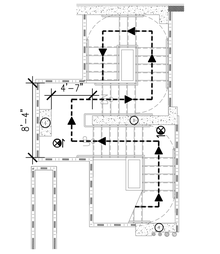
2 EGRESS PLAN – 2ND FLOOR
SCALE : 1/8" = 1'-0"

MAXIMUM FLOOR AREA ALLOWABLE PER OCCUPANT TABLE 1004.1.2
2ND FLOOR

USE OF SPACE	AREA (sf)	OCCUPANCY GROUP	SF/OCCUPANT (sf)	OCCUPANT LOAD
HOTEL GUESTROOMS	1,086 (4 Units)	R-1	200	5
205	1,172.4 (Mech. Rm.)	R-1	300	4
206	242 (Meeting Rm.#2)	A-3	15	16
207	290 (Meeting Rm.#2)	A-3	15	19
eR	245 (IT/ELECTRICAL)	R-1	300	1
TOTAL FLOOR OCCUPANTS				45

EGRESS WIDTH PER OCCUPANT SERVED TABLE 1005.1
2ND FLOOR

	STAIRWAYS (INCH/OCC.)	OTHER COMPONENTS (INCH/OCC)
	45 X 0.3 = 13.5"	45 X 0.2 = 9"
WIDTH CAPACITY	STAIR A	EXIT DOOR A
	44" W.	36" W.
	146	180
WIDTH CAPACITY	STAIR B	EXIT DOOR B
	44" W.	36" W.
	146	180
CAPACITY TOTAL	292	360
OCCUPANCY TOTAL	45	45



3 STAIR B TRANSFER
SCALE : 1/8" = 1'-0"

BLOCK: 759 LOT: 55

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
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STONEHILL & TAYLOR
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EGRESS PLAN– GROUND FLOOR AND 2ND FLOOR

Drawing Number ## of

EG-101.00

DOB B-Scan

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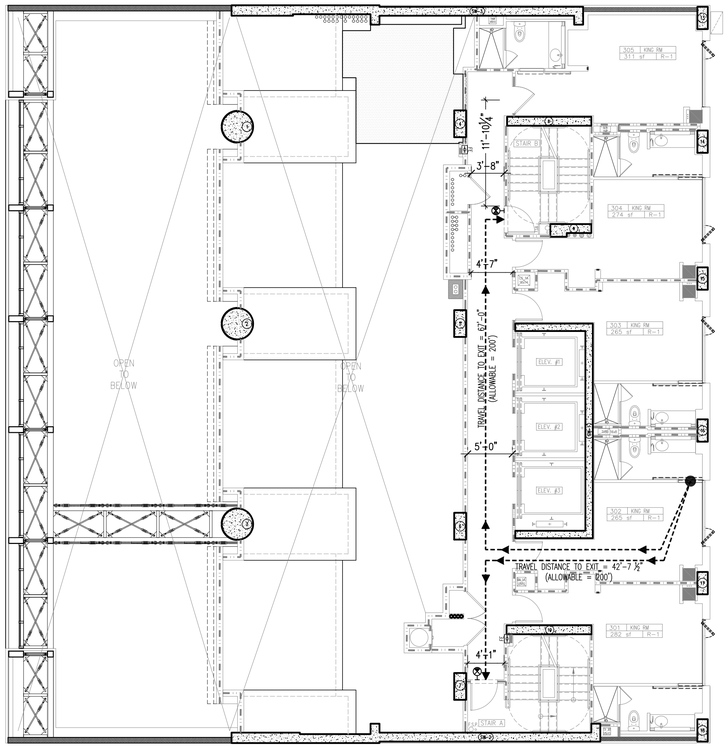
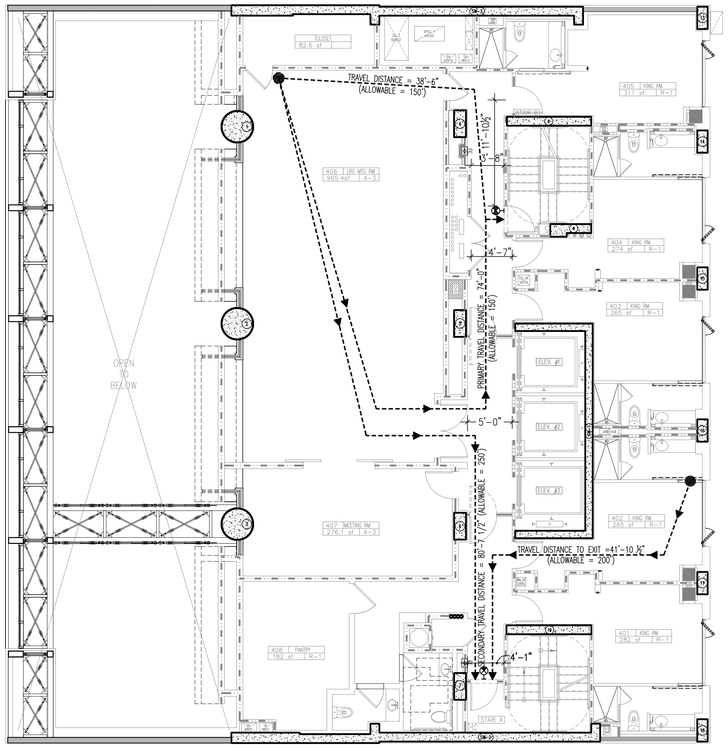


1 EGRESS PLAN – 3RD FLOOR
SCALE : 1/8" = 1'-0"

MAXIMUM FLOOR AREA ALLOWABLE PER OCCUPANT TABLE 1004.1.2				
3RD FLOOR				
USE OF SPACE	AREA (sf)	OCCUPANCY GROUP	SF/OCCUPANT (sf)	OCCUPANT LOAD
HOTEL GUESTROOMS	1,397 (5 Units)	R-1	200	7
306	338.7 (Mech. Rm.)	R-1	300	1
TOTAL FLOOR OCCUPANTS				8

EGRESS WIDTH PER OCCUPANT SERVED TABLE 1005.1		
3RD FLOOR		
	STAIRWAYS (INCH/OCC.)	OTHER COMPONENTS (INCH/OCC)
	8 X 0.3 = 2.4"	8 X 0.2 = 1.6"
WIDTH CAPACITY	STAIR A	EXIT DOOR A
	44" W.	36" W.
	146	180
WIDTH CAPACITY	STAIR B	EXIT DOOR B
	44" W.	36" W.
	146	180
CAPACITY TOTAL	292	360
OCCUPANCY TOTAL	**8**	**8**



2 EGRESS PLAN – 4TH FLOOR
SCALE : 1/8" = 1'-0"

MAXIMUM FLOOR AREA ALLOWABLE PER OCCUPANT TABLE 1004.1.2				
4TH FLOOR				
USE OF SPACE	AREA (sf)	OCCUPANCY GROUP	SF/OCCUPANT (sf)	OCCUPANT LOAD
HOTEL GUESTROOMS	1,397 (5 Units)	R-1	200	7
406	965.4 (Large Meeting Rm.)	A-3	15	64
407	276.0 (Meeting Room)	A-3	15	19
408	182 (Pantry)	R-1	200	1
TOTAL FLOOR OCCUPANTS				91

EGRESS WIDTH PER OCCUPANT SERVED TABLE 1005.1		
4TH FLOOR		
	STAIRWAYS (INCH/OCC.)	OTHER COMPONENTS (INCH/OCC)
	109 X 0.3 = 32.7"	109 X 0.2 = 21.8"
WIDTH CAPACITY	STAIR A	EXIT DOOR A
	44" W.	36" W.
	146	180
WIDTH CAPACITY	STAIR B	EXIT DOOR B
	44" W.	36" W.
	146	180
CAPACITY TOTAL	292	360
OCCUPANCY TOTAL	**109**	**109**

BLOCK: 759 LOT: 55

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06.04.2014	80% CD SUBMISSION
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EGRESS PLAN – 3RD FLOOR AND 4TH FLOOR

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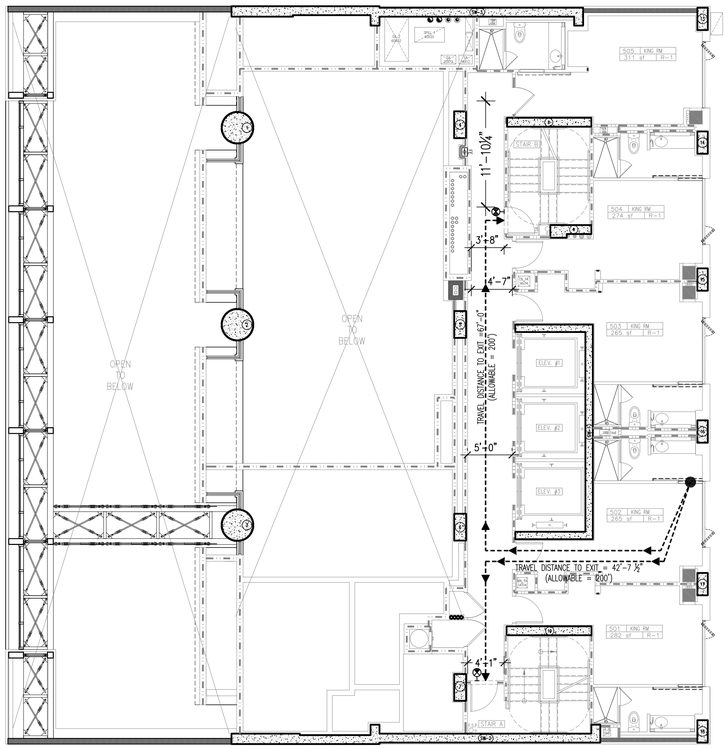
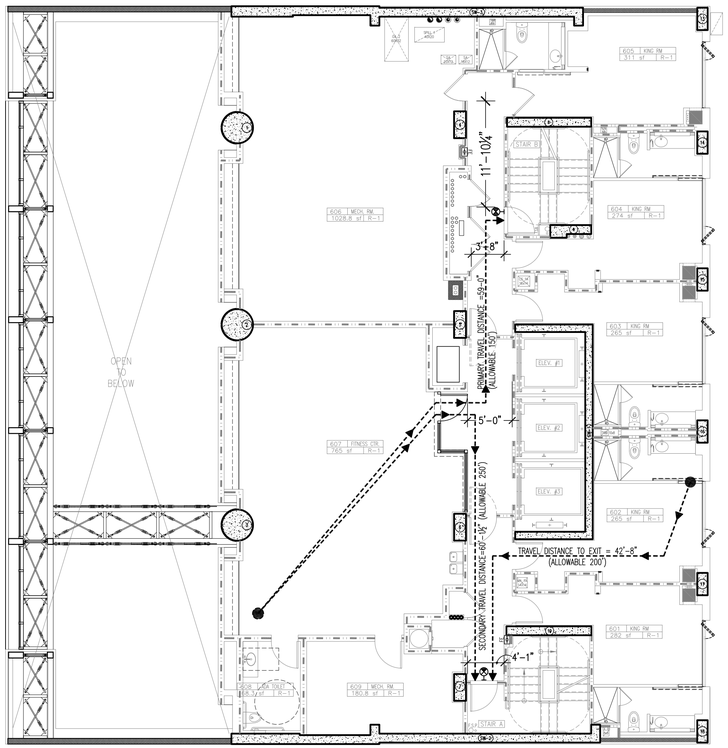


MAXIMUM FLOOR AREA ALLOWABLE PER OCCUPANT TABLE 1004.1.2				
5TH FLOOR				
USE OF SPACE	AREA (sf)	OCCUPANCY GROUP	SF/OCCUPANT (sf)	OCCUPANT LOAD
HOTEL GUESTROOMS	1,397 (5 Units)	R-1	200	7
TOTAL FLOOR OCCUPANTS				7

EGRESS WIDTH PER OCCUPANT SERVED TABLE 1005.1		
5TH FLOOR		
	STAIRWAYS (INCH/OCC.)	OTHER COMPONENTS (INCH/OCC)
	7 X 0.3 = 2.1"	7 X 0.2 = 1.4"
WIDTH CAPACITY	STAIR A	EXIT DOOR A
	44" W.	36" W.
	146	180
WIDTH CAPACITY	STAIR B	EXIT DOOR B
	44" W.	36" W.
	146	180
CAPACITY TOTAL	292	360
OCCUPANCY TOTAL	**7**	**7**

1 EGRESS PLAN – 5TH FLOOR
SCALE : 1/8" = 1'-0"



MAXIMUM FLOOR AREA ALLOWABLE PER OCCUPANT TABLE 1004.1.2				
6TH FLOOR				
USE OF SPACE	AREA (sf)	OCCUPANCY GROUP	SF/OCCUPANT (sf)	OCCUPANT LOAD
HOTEL GUESTROOMS	1,397 (5 Units)	R-1	200	7
606	1,028.8 (Mech. Rm.)	R-1	300	3
607	765 (Fitness)	R-1	50	15
608	68.3 (Unisex Restrm.)	R-1	200	1
609	180.8 (Mech. Rm.)	R-1	300	1
TOTAL FLOOR OCCUPANTS				27

EGRESS WIDTH PER OCCUPANT SERVED TABLE 1005.1		
6TH FLOOR		
	STAIRWAYS (INCH/OCC.)	OTHER COMPONENTS (INCH/OCC)
	25 X 0.3 = 7.5"	25 X 0.2 = 5"
WIDTH CAPACITY	STAIR A	EXIT DOOR A
	44" W.	36" W.
	146	180
WIDTH CAPACITY	STAIR B	EXIT DOOR B
	44" W.	36" W.
	146	180
CAPACITY TOTAL	292	360
OCCUPANCY TOTAL	**25**	**25**

2 EGRESS PLAN – 6TH FLOOR
SCALE : 1/8" = 1'-0"

BLOCK: 759 LOT: 55

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EGRESS PLAN – 5TH FLOOR AND 6TH FLOOR

Drawing Number ## of

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DOB B-Scan

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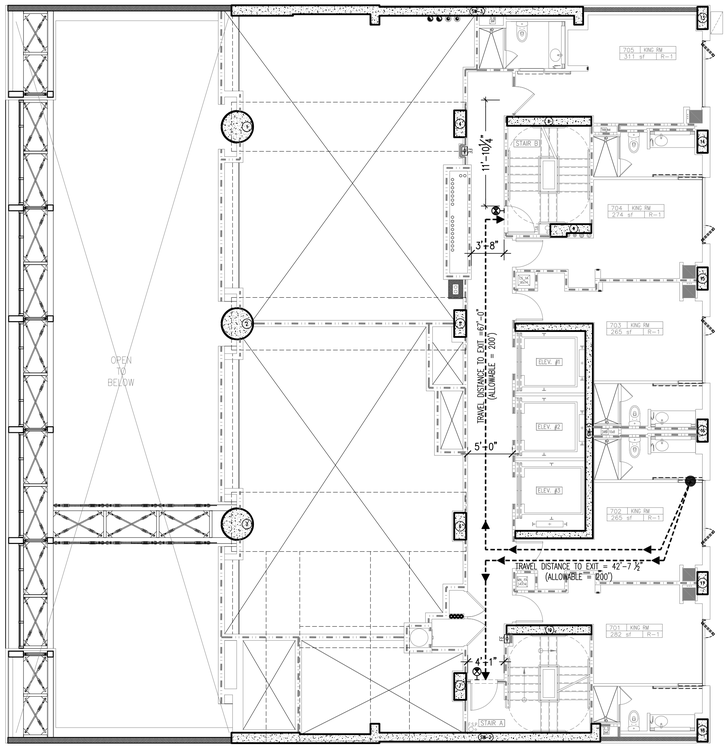
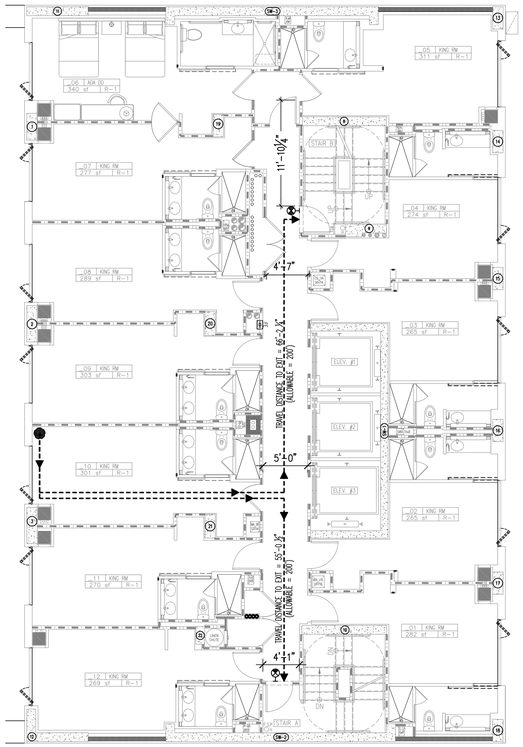


1 EGRESS PLAN – 7TH FLOOR
SCALE : 1/8" = 1'-0"

MAXIMUM FLOOR AREA ALLOWABLE PER OCCUPANT TABLE 1004.1.2				
7TH FLOOR				
USE OF SPACE	AREA (sf)	OCCUPANCY GROUP	SF/OCCUPANT (sf)	OCCUPANT LOAD
HOTEL GUESTROOMS	1,397 (5 Units)	R-1	200	7
706	338.1 (Mech. Rm.)	R-1	300	1
TOTAL FLOOR OCCUPANTS				8

EGRESS WIDTH PER OCCUPANT SERVED TABLE 1005.1		
7TH FLOOR		
	STAIRWAYS (INCH/OCC.)	OTHER COMPONENTS (INCH/OCC)
	8 X 0.3 = 2.4"	8 X 0.2 = 1.6"
WIDTH CAPACITY	STAIR A	EXIT DOOR A
	44" W.	36" W.
	146	180
WIDTH CAPACITY	STAIR B	EXIT DOOR B
	44" W.	36" W.
	146	180
CAPACITY TOTAL	292	360
OCCUPANCY TOTAL	**8**	**8**



2 EGRESS PLAN – 8TH AND 9TH FLOOR
SCALE : 1/8" = 1'-0"

MAXIMUM FLOOR AREA ALLOWABLE PER OCCUPANT TABLE 1004.1.2				
8TH TO 9TH FLOOR				
USE OF SPACE	AREA (sf)	OCCUPANCY GROUP	SF/OCCUPANT (sf)	OCCUPANT LOAD
HOTEL GUESTROOMS	3,446 (12 Units/Flr.)	R-1	200	17
TOTAL FLOOR OCCUPANTS / FLOOR				17

EGRESS WIDTH PER OCCUPANT SERVED TABLE 1005.1		
8TH TO 9TH FLOOR		
	STAIRWAYS (INCH/OCC.)	OTHER COMPONENTS (INCH/OCC)
	17 X 0.3 = 5.1"	17 X 0.2 = 3.4"
WIDTH CAPACITY	STAIR A	EXIT DOOR A
	44" W.	36" W.
	146	180
WIDTH CAPACITY	STAIR B	EXIT DOOR B
	44" W.	36" W.
	146	180
CAPACITY TOTAL	292	360
OCCUPANCY TOTAL	**17**	**17**

BLOCK: 759 LOT: 55

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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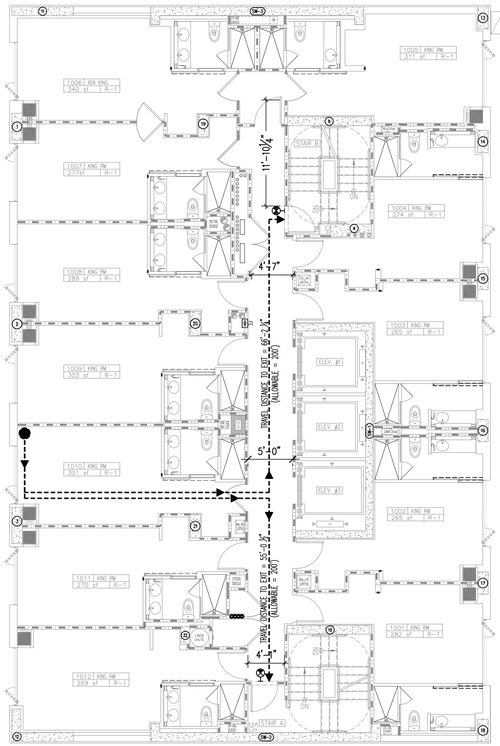
EGRESS PLAN – 7TH FLOOR, 8TH AND 9TH FLOOR

Drawing Number ## of

EG-107.00

DOB B-Scan

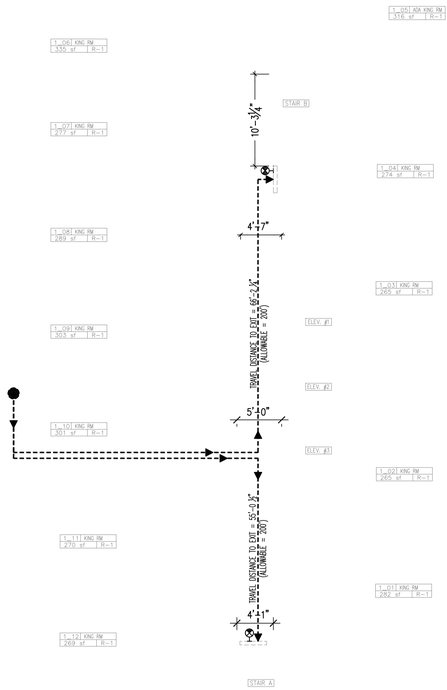
AS NOTED 21362



MAXIMUM FLOOR AREA ALLOWABLE PER OCCUPANT TABLE 1004.1.2				
10TH FLOOR				
USE OF SPACE	AREA (sf)	OCCUPANCY GROUP	SF/OCCUPANT (sf)	OCCUPANT LOAD
HOTEL GUESTROOMS	3,446 (12 Units)	R-1	200	17
TOTAL FLOOR OCCUPANTS				17

EGRESS WIDTH PER OCCUPANT SERVED TABLE 1005.1		
10TH FLOOR		
	STAIRWAYS (INCH/OCC.)	OTHER COMPONENTS (INCH/OCC)
	17 X 0.3 = 5.1"	17 X 0.2 = 3.4"
WIDTH CAPACITY	STAIR A	EXIT DOOR A
	44" W.	36" W.
	146	180
WIDTH CAPACITY	STAIR B	EXIT DOOR B
	44" W.	36" W.
	146	180
CAPACITY TOTAL	292	360
OCCUPANCY TOTAL	**17**	**17**

1 EGRESS PLAN – 10TH FLOOR
SCALE : 1/8" = 1'-0"



MAXIMUM FLOOR AREA ALLOWABLE PER OCCUPANT TABLE 1004.1.2				
11TH TO 12TH FLOOR				
USE OF SPACE	AREA (sf)	OCCUPANCY GROUP	SF/OCCUPANT (sf)	OCCUPANT LOAD
HOTEL GUESTROOMS	3,446 (12 Units/Flr.)	R-1	200	17
TOTAL FLOOR OCCUPANTS / FLOOR				17

EGRESS WIDTH PER OCCUPANT SERVED TABLE 1005.1		
11TH TO 12TH FLOOR		
	STAIRWAYS (INCH/OCC.)	OTHER COMPONENTS (INCH/OCC)
	17 X 0.3 = 5.1"	17 X 0.2 = 3.4"
WIDTH CAPACITY	STAIR A	EXIT DOOR A
	44" W.	36" W.
	146	180
WIDTH CAPACITY	STAIR B	EXIT DOOR B
	44" W.	36" W.
	146	180
CAPACITY TOTAL	292	360
OCCUPANCY TOTAL	**17**	**17**

2 EGRESS PLAN – 11TH AND 12TH FLOORS
SCALE : 1/8" = 1'-0"

BLOCK: 759 LOT: 55

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
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STONEHILL & TAYLOR
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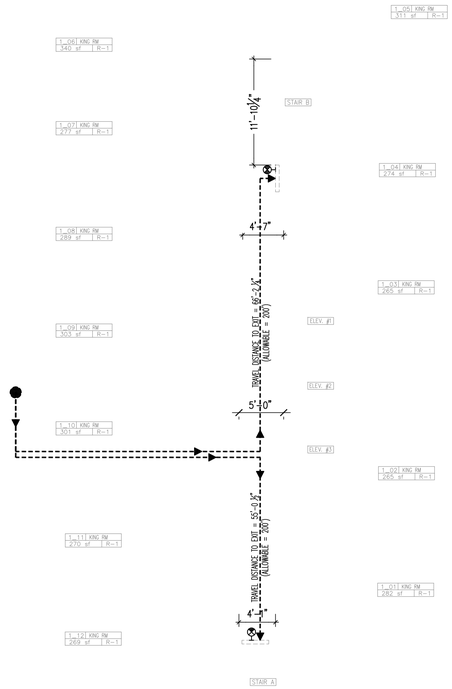
EGRESS PLAN – 10TH FLOOR, 11TH AND 12TH FLOORS

Drawing Number ## of

EG-110.00

DOB B-Scan

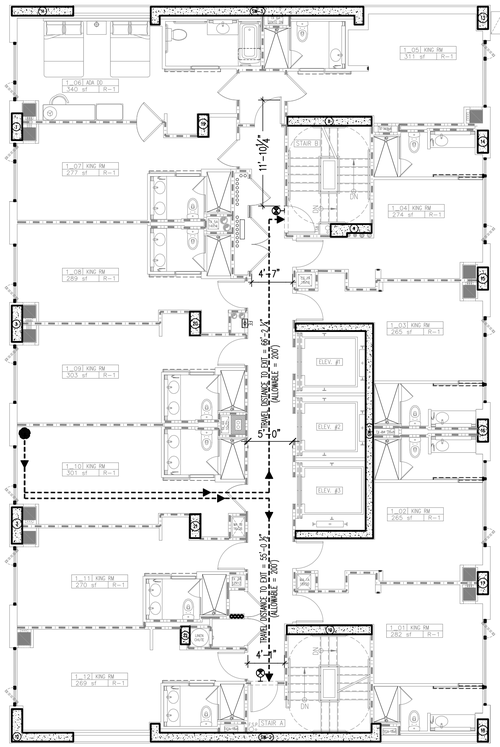
AS NOTED 21362



1 EGRESS PLAN – 13TH TO 15TH FLOOR
SCALE : 1/8" = 1'-0"

MAXIMUM FLOOR AREA ALLOWABLE PER OCCUPANT TABLE 1004.2				
13TH TO 15TH FLOOR				
USE OF SPACE	AREA (sf)	OCCUPANCY GROUP	SF/OCCUPANT (sf)	OCCUPANT LOAD
HOTEL GUESTROOMS	3,446 (12 Units/Flr.)	R-1	200	17
TOTAL FLOOR OCCUPANTS / FLOOR				17

EGRESS WIDTH PER OCCUPANT SERVED TABLE 1005.1		
13TH TO 15TH FLOOR		
	STAIRWAYS (INCH/OCC.)	OTHER COMPONENTS (INCH/OCC)
	17 X 0.3 = 5.1"	17 X 0.2 = 3.4"
WIDTH CAPACITY	STAIR A	EXIT DOOR A
	44" W.	36" W.
	146	180
WIDTH CAPACITY	STAIR B	EXIT DOOR B
	44" W.	36" W.
	146	180
CAPACITY TOTAL	292	360
OCCUPANCY TOTAL	**17**	**17**



2 EGRESS PLAN – 16TH TO 18TH FLOOR
SCALE : 1/8" = 1'-0"

MAXIMUM FLOOR AREA ALLOWABLE PER OCCUPANT TABLE 1004.2				
16TH TO 18TH FLOOR				
USE OF SPACE	AREA (sf)	OCCUPANCY GROUP	SF/OCCUPANT (sf)	OCCUPANT LOAD
HOTEL GUESTROOMS	3,446 (12 Units/Flr.)	R-1	200	17
TOTAL FLOOR OCCUPANTS / FLOOR				17

EGRESS WIDTH PER OCCUPANT SERVED TABLE 1005.1		
16TH TO 18TH FLOOR		
	STAIRWAYS (INCH/OCC.)	OTHER COMPONENTS (INCH/OCC)
	17 X 0.3 = 5.1"	17 X 0.2 = 3.4"
WIDTH CAPACITY	STAIR A	EXIT DOOR A
	44" W.	36" W.
	146	180
WIDTH CAPACITY	STAIR B	EXIT DOOR B
	44" W.	36" W.
	146	180
CAPACITY TOTAL	292	360
OCCUPANCY TOTAL	**17**	**17**

BLOCK: 759 LOT: 55

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
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07.03.2014	ISSUED TO IHG
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07.18.2014	90% CD SUBMISSION UPDATED
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STONEHILL & TAYLOR
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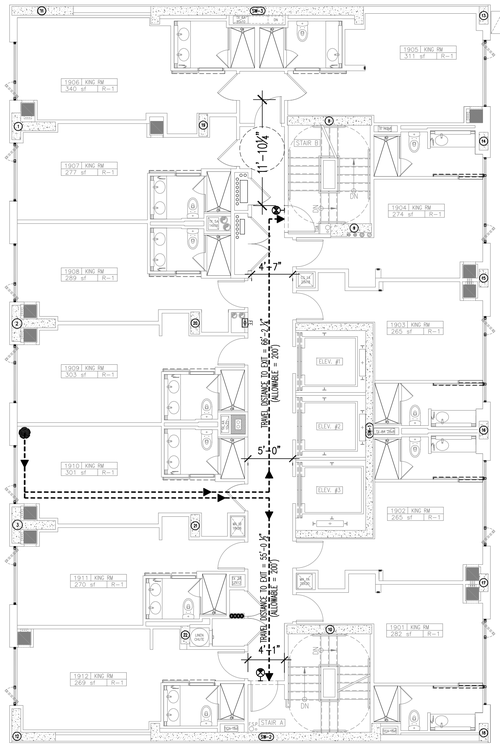
EGRESS PLAN – 13TH TO 15TH FLOOR, AND 16TH TO 18TH FLOOR

Drawing Number ## of

EG-113.00

DOB B-Scan

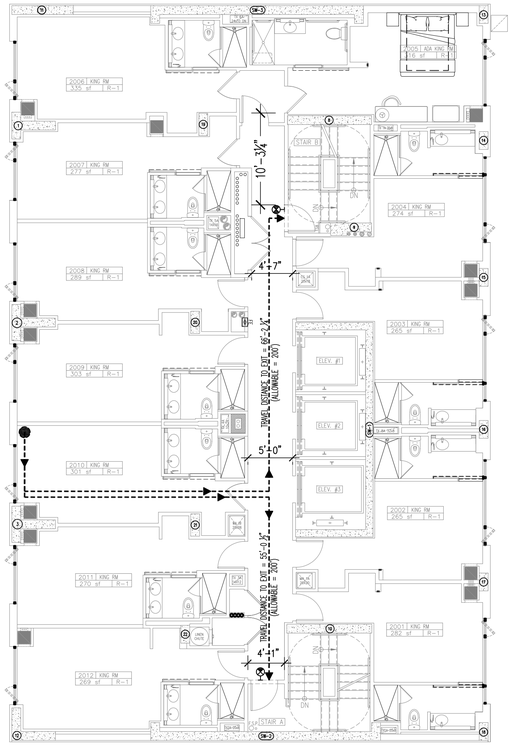
AS NOTED 21362



1 EGRESS PLAN – 19TH FLOOR
SCALE : 1/8" = 1'-0"

MAXIMUM FLOOR AREA ALLOWABLE PER OCCUPANT TABLE 1004.1.2				
19 ST FLOOR				
USE OF SPACE	AREA (sf)	OCCUPANCY GROUP	SF/OCCUPANT (sf)	OCCUPANT LOAD
HOTEL GUESTROOMS	3,446 (12 Units)	R-1	200	17
TOTAL FLOOR OCCUPANTS				17

EGRESS WIDTH PER OCCUPANT SERVED TABLE 1005.1		
19TH FLOOR		
	STAIRWAYS (INCH/OCC.)	OTHER COMPONENTS (INCH/OCC)
	17 X 0.3 = 5.1"	17 X 0.2 = 3.4"
WIDTH CAPACITY	STAIR A	EXIT DOOR A
	44" W.	36" W.
	146	180
WIDTH CAPACITY	STAIR B	EXIT DOOR B
	44" W.	36" W.
	146	180
CAPACITY TOTAL	292	360
OCCUPANCY TOTAL	**17**	**17**



2 EGRESS PLAN – 20TH FLOOR
SCALE : 1/8" = 1'-0"

MAXIMUM FLOOR AREA ALLOWABLE PER OCCUPANT TABLE 1004.1.2				
20TH FLOOR				
USE OF SPACE	AREA (sf)	OCCUPANCY GROUP	SF/OCCUPANT (sf)	OCCUPANT LOAD
HOTEL GUESTROOMS	3,446 (12 Units)	R-1	200	17
TOTAL FLOOR OCCUPANTS				17

EGRESS WIDTH PER OCCUPANT SERVED TABLE 1005.1		
20TH FLOOR		
	STAIRWAYS (INCH/OCC.)	OTHER COMPONENTS (INCH/OCC)
	17 X 0.3 = 5.1"	17 X 0.2 = 3.4"
WIDTH CAPACITY	STAIR A	EXIT DOOR A
	44" W.	36" W.
	146	180
WIDTH CAPACITY	STAIR B	EXIT DOOR B
	44" W.	36" W.
	146	180
CAPACITY TOTAL	292	360
OCCUPANCY TOTAL	**17**	**17**

BLOCK: 759 LOT: 55

Issue Record

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06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
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07.18.2014	90% CD SUBMISSION UPDATED
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STONEHILL & TAYLOR
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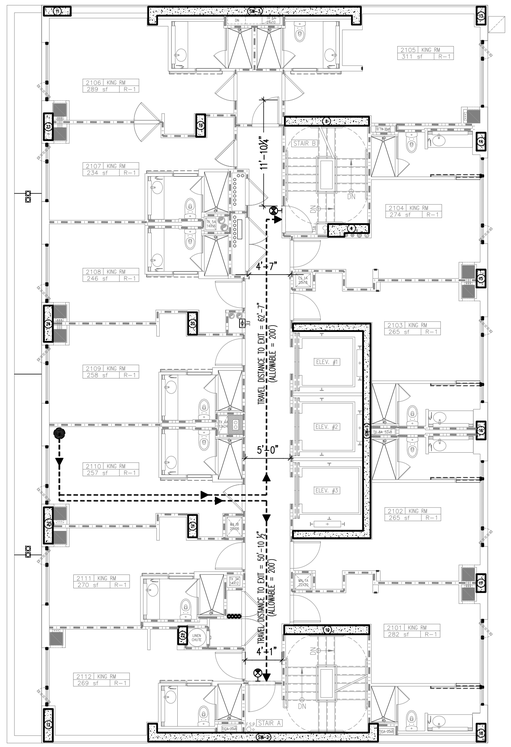
EGRESS PLAN – 19TH FLOOR, AND 20TH FLOOR

Drawing Number ## of

EG-119.00

DOB B-Scan

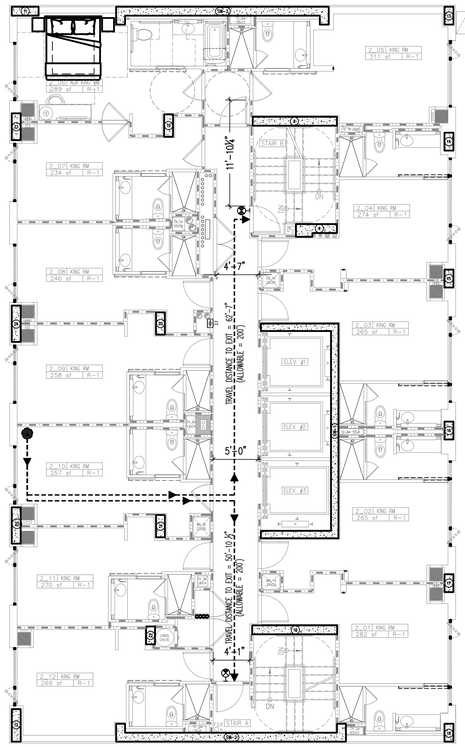
AS NOTED 21362



MAXIMUM FLOOR AREA ALLOWABLE PER OCCUPANT TABLE 1004.1.2				
21 ST FLOOR				
USE OF SPACE	AREA (sf)	OCCUPANCY GROUP	SF/OCCUPANT (sf)	OCCUPANT LOAD
HOTEL GUESTROOMS	3,220 (12 Units)	R-1	200	16
TOTAL FLOOR OCCUPANTS				16

EGRESS WIDTH PER OCCUPANT SERVED TABLE 1005.1		
21ST FLOOR		
	STAIRWAYS (INCH/OCC.)	OTHER COMPONENTS (INCH/OCC)
	16 X 0.3 = 4.8"	16 X 0.2 = 3.2"
WIDTH CAPACITY	STAIR A	EXIT DOOR A
	44" W.	36" W.
	146	180
WIDTH CAPACITY	STAIR B	EXIT DOOR B
	44" W.	36" W.
	146	180
CAPACITY TOTAL	292	360
OCCUPANCY TOTAL	**16**	**16**

1 EGRESS PLAN – 21ST FLOOR
SCALE : 1/8" = 1'-0"



MAXIMUM FLOOR AREA ALLOWABLE PER OCCUPANT TABLE 1004.1.2				
22ND TO 24TH FLOOR				
USE OF SPACE	AREA (sf)	OCCUPANCY GROUP	SF/OCCUPANT (sf)	OCCUPANT LOAD
HOTEL GUESTROOMS	3,220 (12 Units/Flr.)	R-1	200	16
TOTAL FLOOR OCCUPANTS / FLOOR				16

EGRESS WIDTH PER OCCUPANT SERVED TABLE 1005.1		
22ND TO 24TH FLOOR		
	STAIRWAYS (INCH/OCC.)	OTHER COMPONENTS (INCH/OCC)
	16 X 0.3 = 4.8"	16 X 0.2 = 3.2"
WIDTH CAPACITY	STAIR A	EXIT DOOR A
	44" W.	36" W.
	146	180
WIDTH CAPACITY	STAIR B	EXIT DOOR B
	44" W.	36" W.
	146	180
CAPACITY TOTAL	292	360
OCCUPANCY TOTAL	**16**	**16**

2 EGRESS PLAN – 22ND TO 24TH FLOOR
SCALE : 1/8" = 1'-0"

BLOCK: 759 LOT: 55

Issue Record

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STONEHILL & TAYLOR
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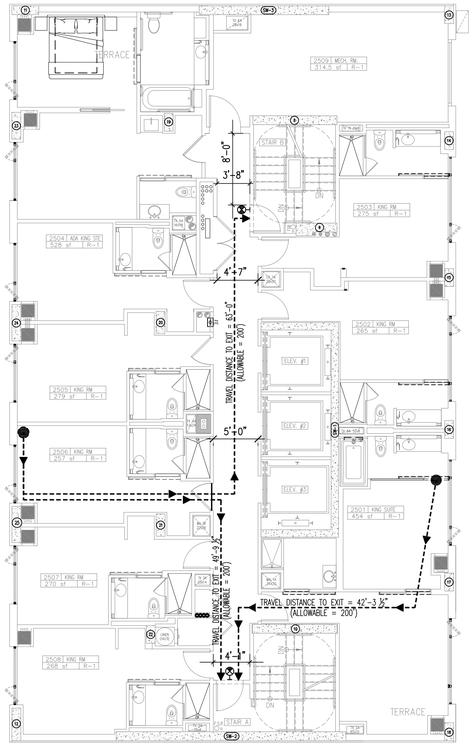
EGRESS PLAN – 21ST FLOOR, AND 22ND TO 24TH FLOOR

Drawing Number ## of

EG-121.00

DOB B-Scan

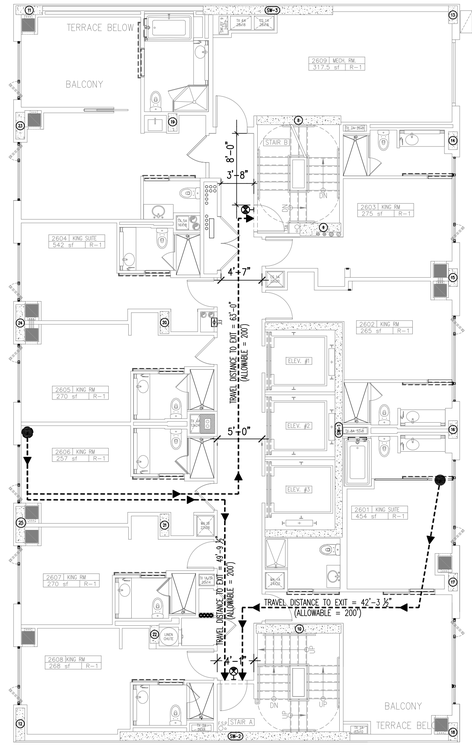
AS NOTED 21362



1 EGRESS PLAN – 25TH FLOOR
SCALE : 1/8" = 1'-0"

MAXIMUM FLOOR AREA ALLOWABLE PER OCCUPANT TABLE 1004.1.2				
25TH FLOOR				
USE OF SPACE	AREA (sf)	OCCUPANCY GROUP	SF/OCCUPANT (sf)	OCCUPANT LOAD
HOTEL GUESTROOMS	2,596 (8 Units)	R-1	200	13
2509	314.5 (Mech. Rm.)	R-1	300	1
TOTAL FLOOR OCCUPANTS				14

EGRESS WIDTH PER OCCUPANT SERVED TABLE 1005.1		
25TH FLOOR		
	STAIRWAYS (INCH/OCC.)	OTHER COMPONENTS (INCH/OCC)
	14 X 0.3 = 4.2"	14 X 0.2 = 2.8"
WIDTH CAPACITY	STAIR A	EXIT DOOR A
	44" W.	36" W.
	146	180
WIDTH CAPACITY	STAIR B	EXIT DOOR B
	44" W.	36" W.
	146	180
CAPACITY TOTAL	292	360
OCCUPANCY TOTAL	**14**	**14**



2 EGRESS PLAN – 26TH FLOOR
SCALE : 1/8" = 1'-0"

MAXIMUM FLOOR AREA ALLOWABLE PER OCCUPANT TABLE 1004.1.2				
26TH FLOOR				
USE OF SPACE	AREA (sf)	OCCUPANCY GROUP	SF/OCCUPANT (sf)	OCCUPANT LOAD
HOTEL GUESTROOMS	2,601 (8 Units)	R-1	200	13
2609	317.5 (Mech. Rm.)	R-1	300	1
TOTAL FLOOR OCCUPANTS				14

EGRESS WIDTH PER OCCUPANT SERVED TABLE 1005.1		
26TH FLOOR		
	STAIRWAYS (INCH/OCC.)	OTHER COMPONENTS (INCH/OCC)
	14 X 0.3 = 4.2"	14 X 0.2 = 2.8"
WIDTH CAPACITY	STAIR A	EXIT DOOR A
	44" W.	36" W.
	146	180
WIDTH CAPACITY	STAIR B	EXIT DOOR B
	44" W.	36" W.
	146	180
CAPACITY TOTAL	292	360
OCCUPANCY TOTAL	**14**	**14**

BLOCK: 759 LOT: 55

6 / 13 / 2011 21013-TITLE-ZONING.DWG Plotted: 10 / 8 / 2014 Wed. | 21362-TB-2ASUB -SUB | 21362_25TH FLOOR PLAN | 21362_SHEARWALLS 25-26 | 21362_26TH FLOOR PLAN

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

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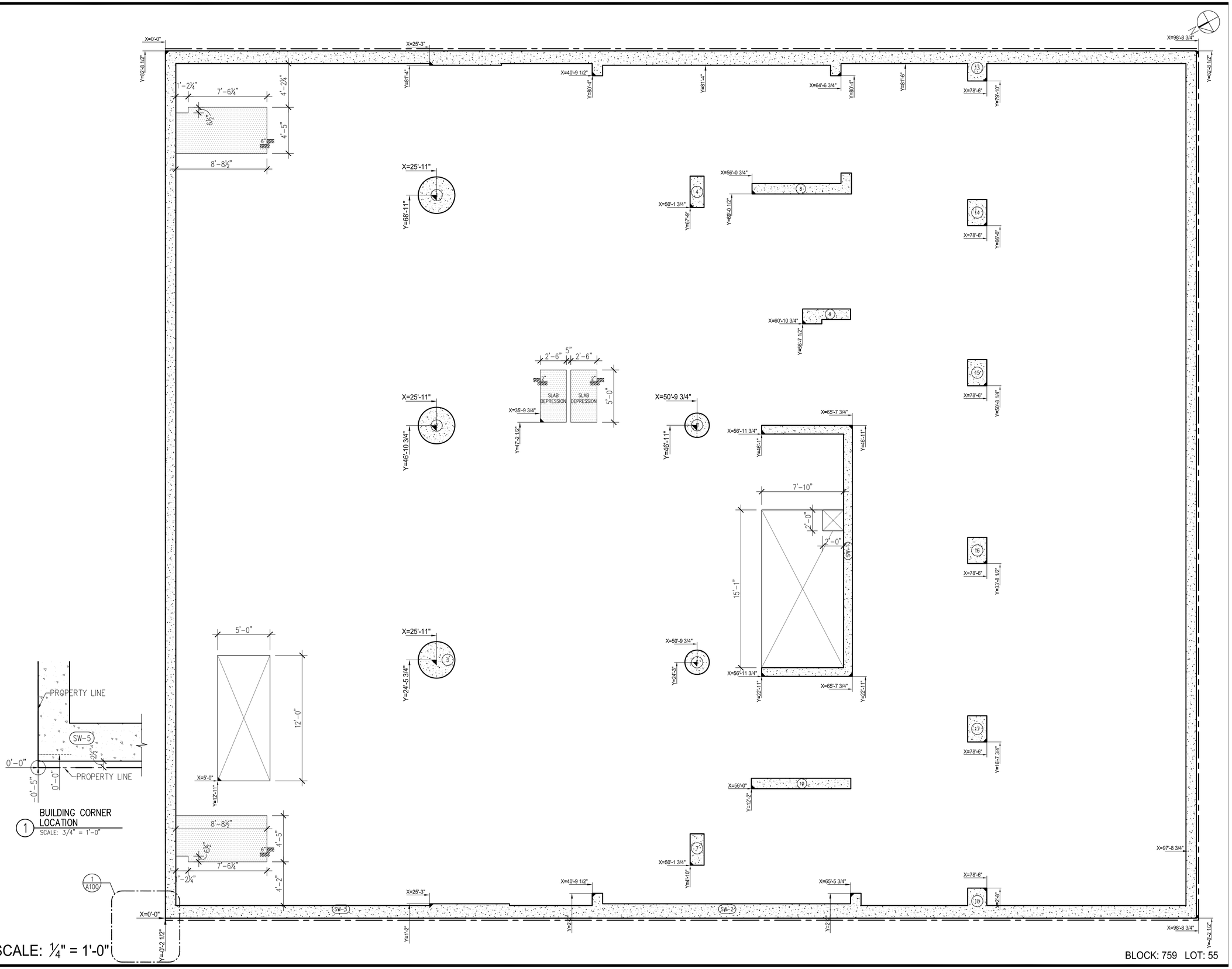
EGRESS PLAN – 25TH AND 26TH FLOOR

Drawing Number of

EG-125.00

DOB B-Scan

AS NOTED 21362



6 / 13 / 2011 20313-TITLE-30X42.DWG Plotted: 10 / 8 / 2014 Wed. | 21362-1Bb-24X36 -D08 | 21362_SHEARWALLS 0 C | 21362_0 CELLAR FLOOR PLAN

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

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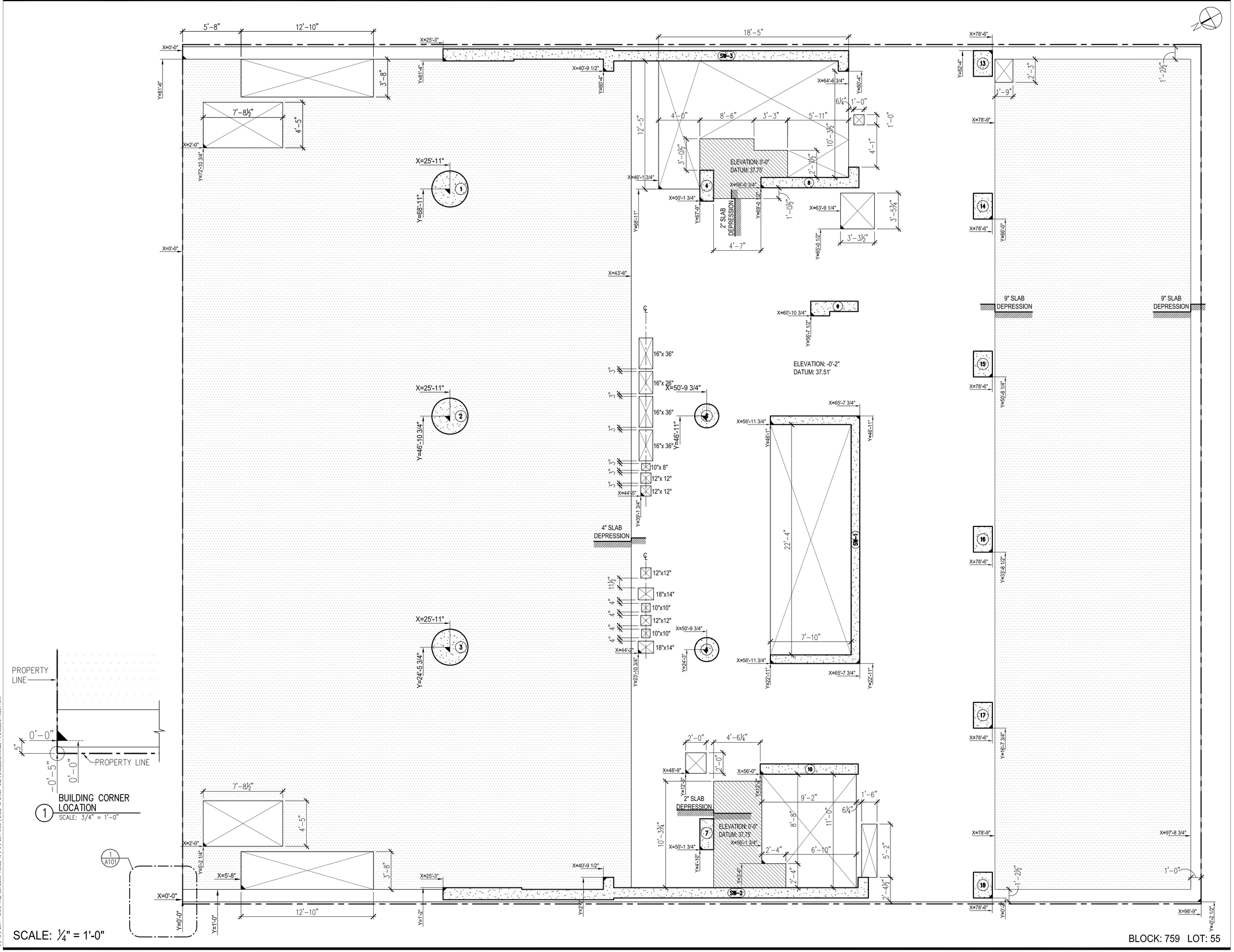
CELLAR FLOOR SLAB EDGE PLAN

Drawing Number ## of

A-100.00

DOB B-Scan

21362



BLOCK: 759 LOT: 55

6 / 13 / 2011 21073-TITLE-30X42.DWG Plotted: 10 / 8 / 2014 by eds | 21362-19-24X36 -008 | 21362_SHEARWALLS 1 | 21362_1ST FLOOR PLAN

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
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07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
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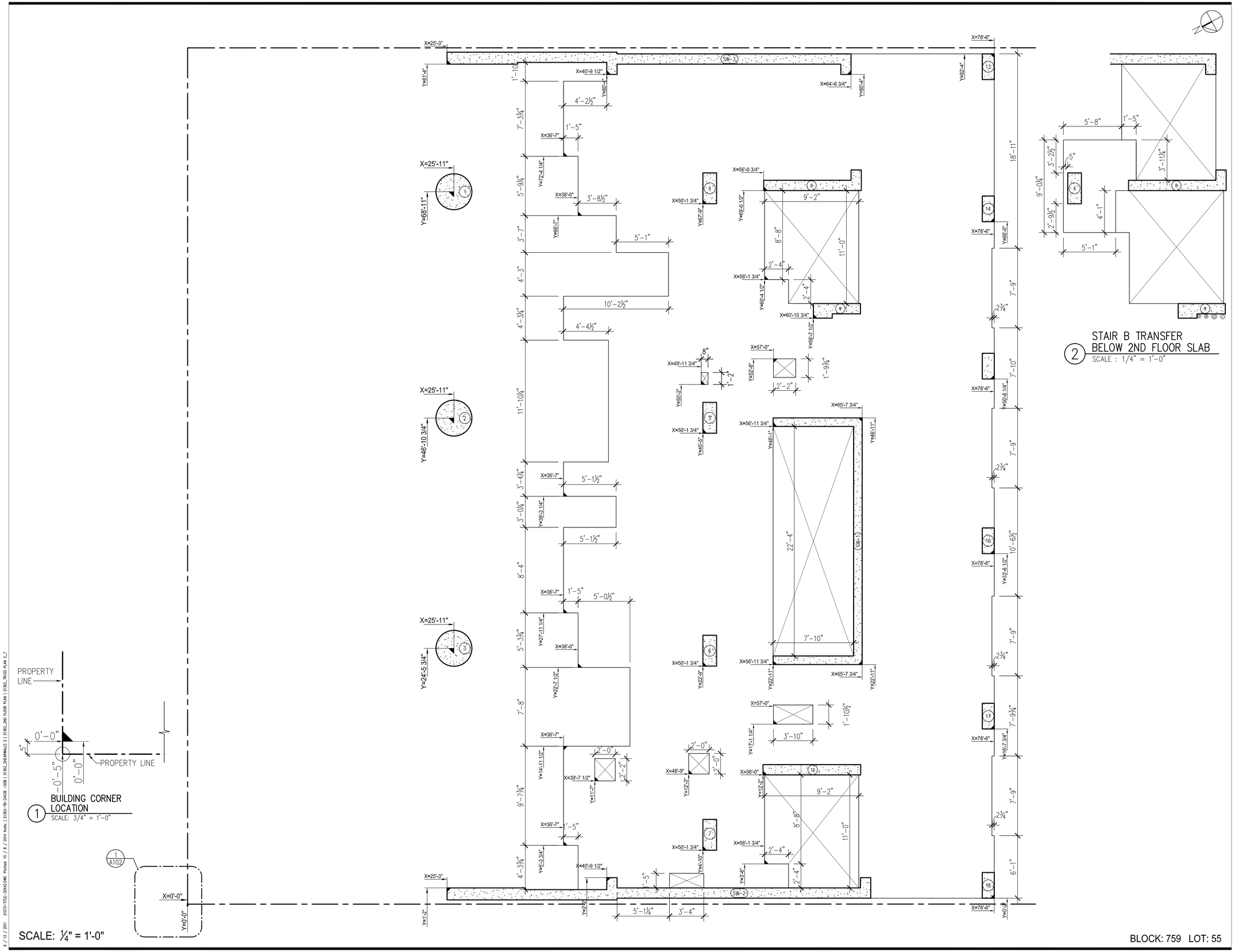
GROUND FLOOR SLAB EDGE PLAN

Drawing Number ## of

A-101.00

DOB B-Scan

21362



2 STAIR B TRANSFER BELOW 2ND FLOOR SLAB

SCALE : 1/4" = 1'-0"

BLOCK: 759 LOT: 55

6 / 15 / 2011 21073-TITLE-SDX12.DWG Plotted: 10 / 8 / 2014 by vvelc | 21362-1B-2AUG -DGB | 21362_SHEARWALLS 2 | 21362_2ND FLOOR PLAN | 21362_TROSS PLAN 2_7

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
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07.18.2014	90% CD SUBMISSION UPDATED
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10.08.2014	ISSUED FOR CONSTRUCTION

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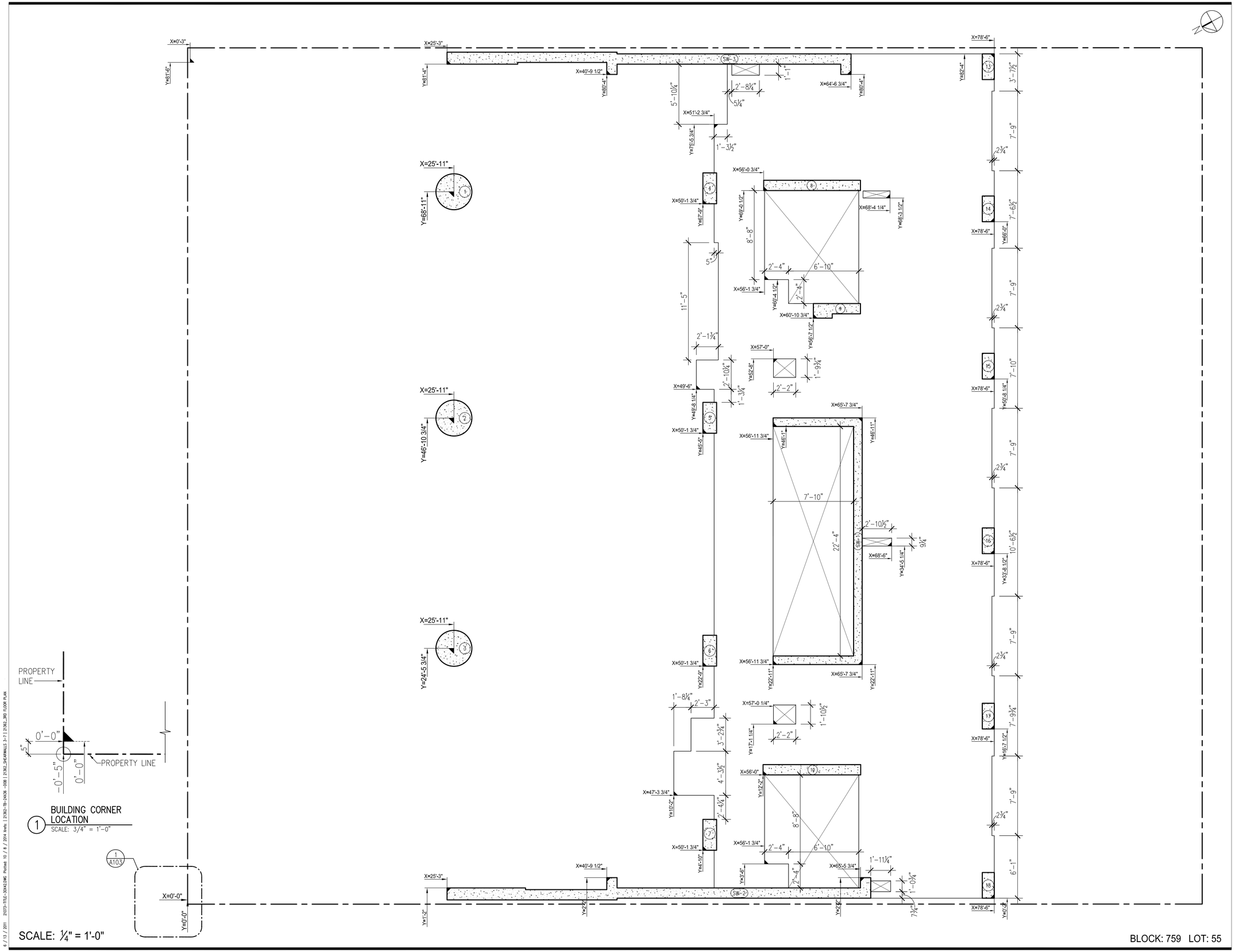
2nd FLOOR SLAB EDGE PLAN

Drawing Number ## of

A-102.00

DOB B-Scan

21362



6 / 15 / 2014 21073-TITLE-3DWG.DWG Plotted: 10 / 8 / 2014 Wed. | 21362-1B-2AXOS -IOSB | 21362_3RDFARWALLS 3=1 | 21362_3RD FLOOR PLAN

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
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08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

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3rd FLOOR SLAB EDGE PLAN

Drawing Number ## of

A-103.00

DOB B-Scan

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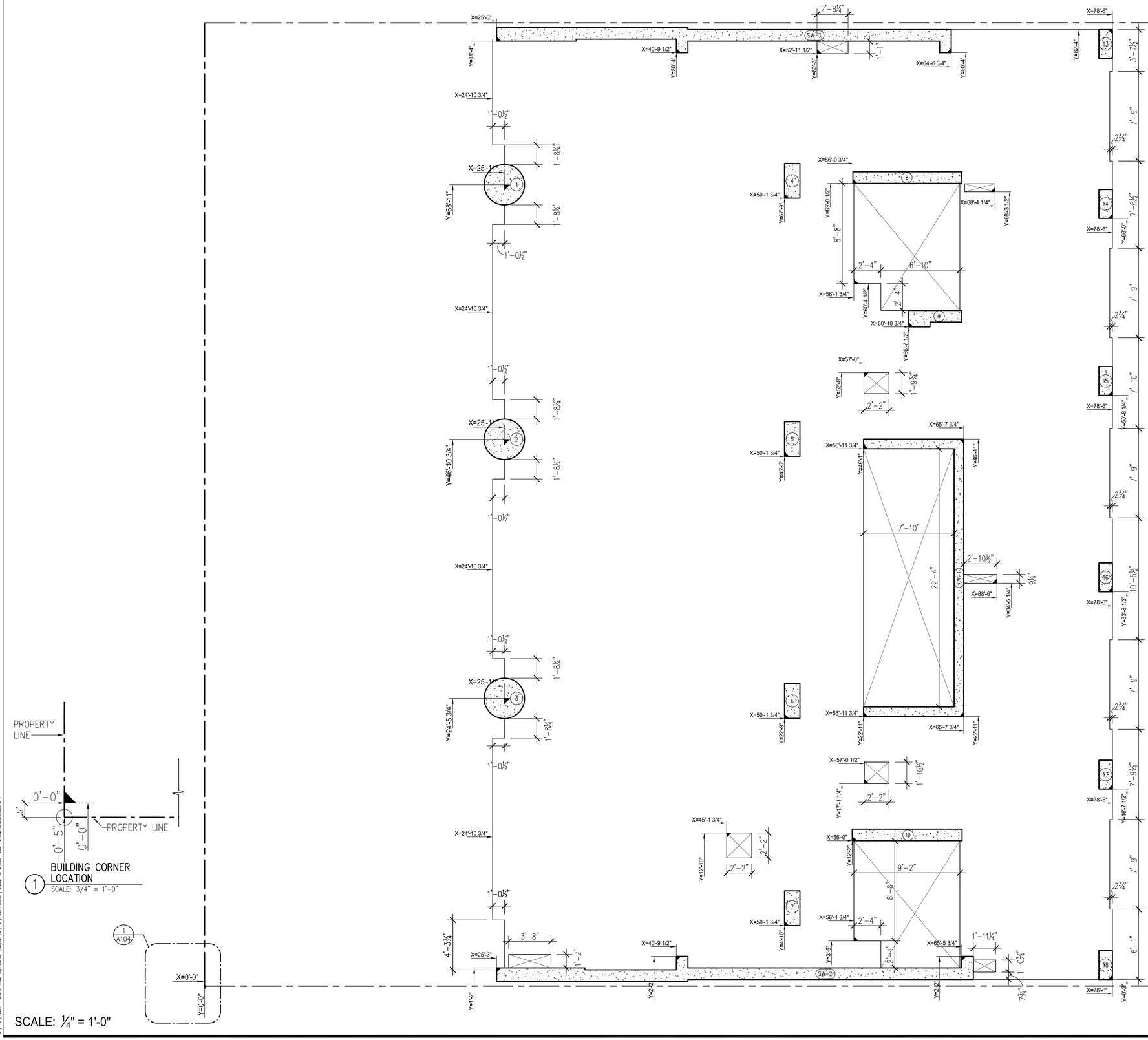

6 / 13 / 2011 21073-TITLE-SDWG1.DWG Plotted: 10 / 8 / 2014 Wed. | 21362-TB-2ADB -DOB | 21362_SHEARWALLS 3-7

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

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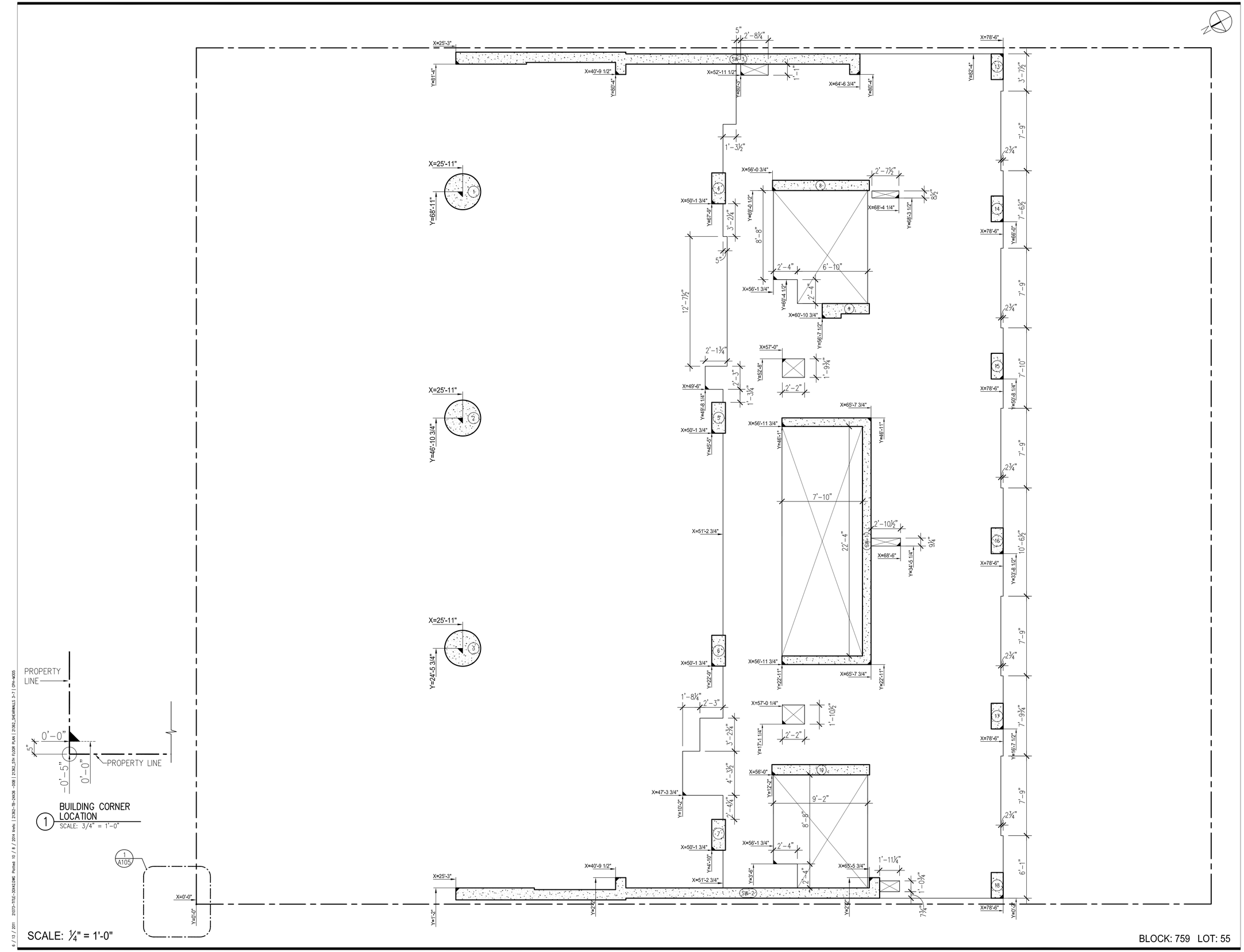
4th FLOOR SLAB EDGE PLAN

Drawing Number ## of

A-104.00

DOB B-Scan

21362



6 / 15 / 2011 21073-TITLE-SDX42.DWG Plotted: 10 / 8 / 2014 by ivetc | 21362-1B-2AD8 -ODB | 21362_5TH FLOOR PLAN | 21362_SHEARWALLS 3-7 | CPH-HDDS

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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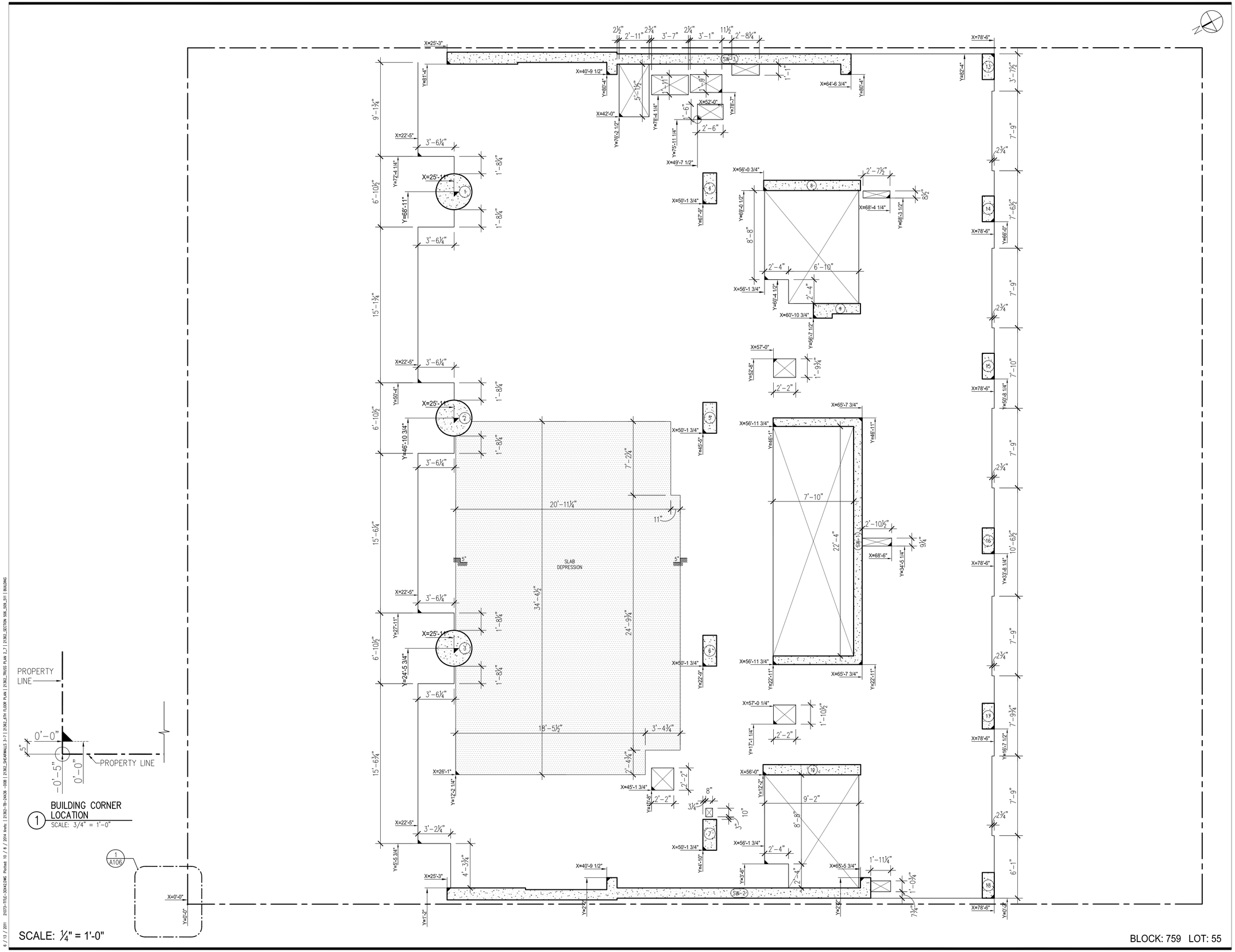
5th FLOOR SLAB EDGE PLAN

Drawing Number ## of

A-105.00

DOB B-Scan

21362



BLOCK: 759 LOT: 55

6/15/2014 21073-TITLE-3DWG.DWG Plotted: 10/8/2014 by etc | 21362-1B-2406 -DOB | 21362_SHEARWALLS 3=7 | 21362_5TH FLOOR PLAN | 21362_ROOF PLAN 2_7 | 21362_SECTION 506_509_511 | BUILDING

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
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07.18.2014	90% CD SUBMISSION UPDATED
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09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

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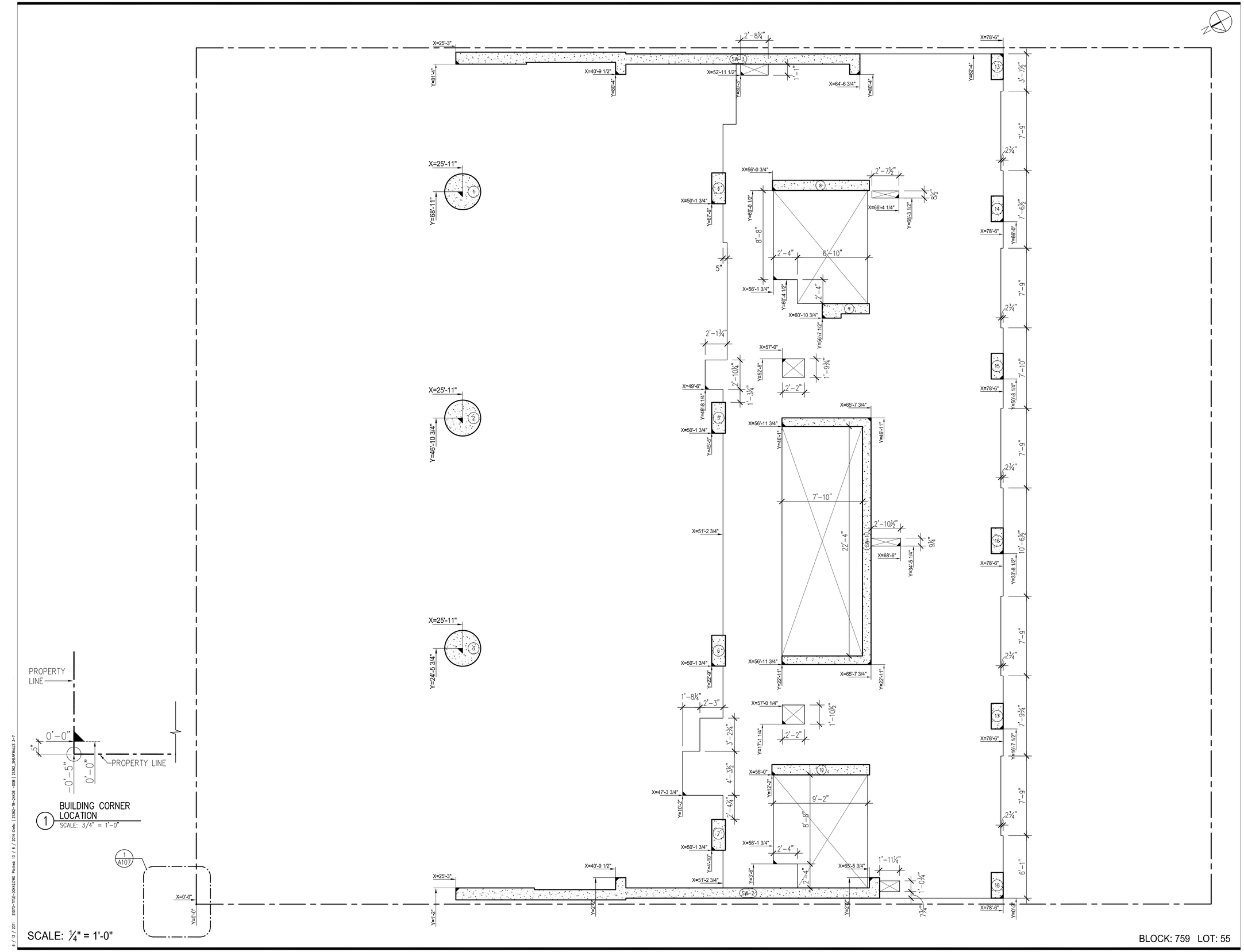
6th FLOOR SLAB EDGE PLAN

Drawing Number ## of

A-106.00

DOB B-Scan

21362



6 / 15 / 2011 21073-TITLE-SDX42.DWG Plotted: 10 / 8 / 2014 by eric | 21362-1B-24X36 -COB | 21362_SHEARWALLS 3=7

Issue Record

02.28.2014	D.O.B. SUBMISSION
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07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
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10.08.2014	ISSUED FOR CONSTRUCTION

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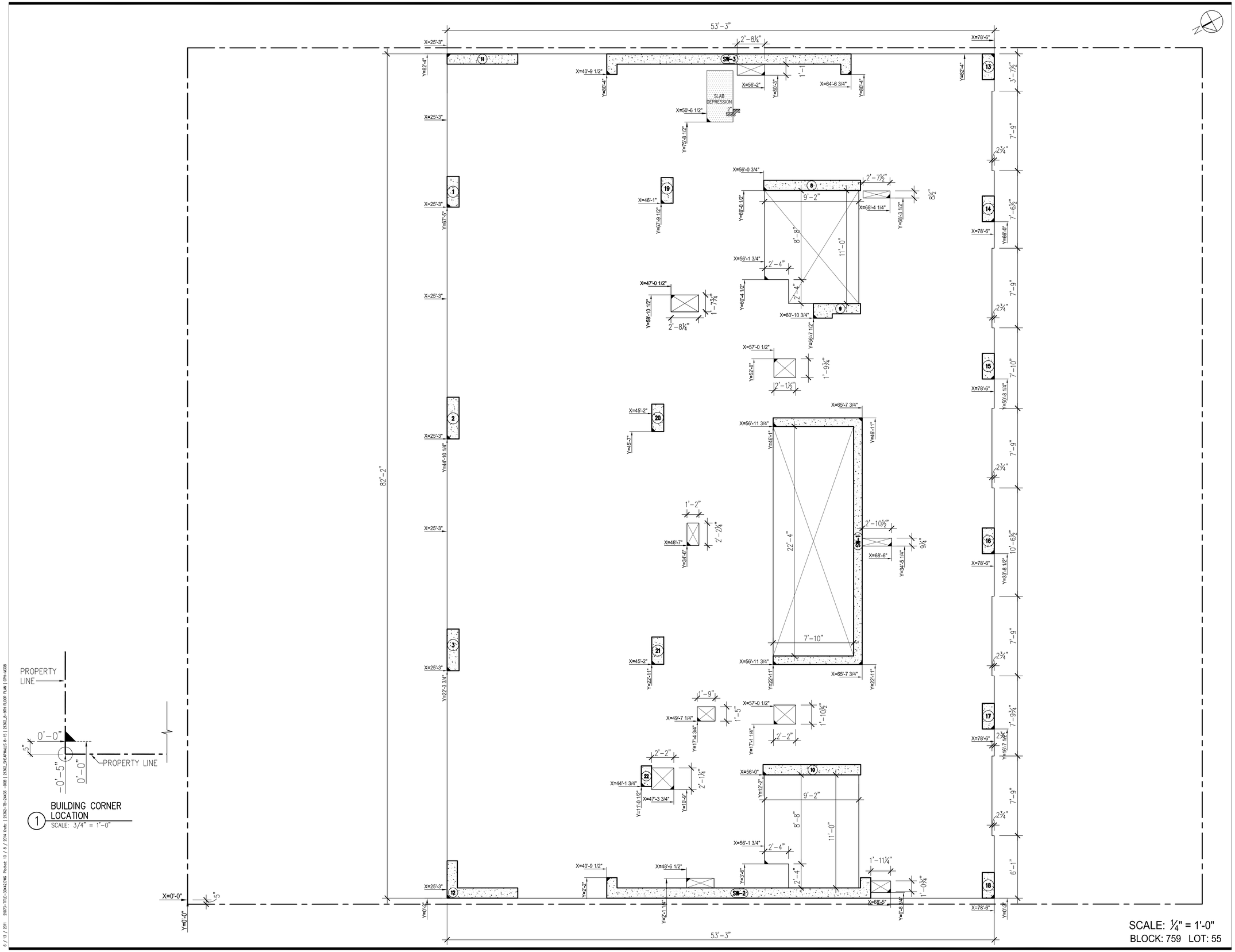
7th FLOOR SLAB EDGE PLAN

Drawing Number ## of

A-107.00

DOB B-Scan

21362



6 / 13 / 2014 21073-TITLE-SDKA2.DWG Plotted: 10 / 8 / 2014 9:44a | 21362-TB-2A426 .ODB | 21362_04EARWALLS 8-15 | 21362_8-9TH FLOOR PLAN | CPH-W308

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
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10.08.2014	ISSUED FOR CONSTRUCTION

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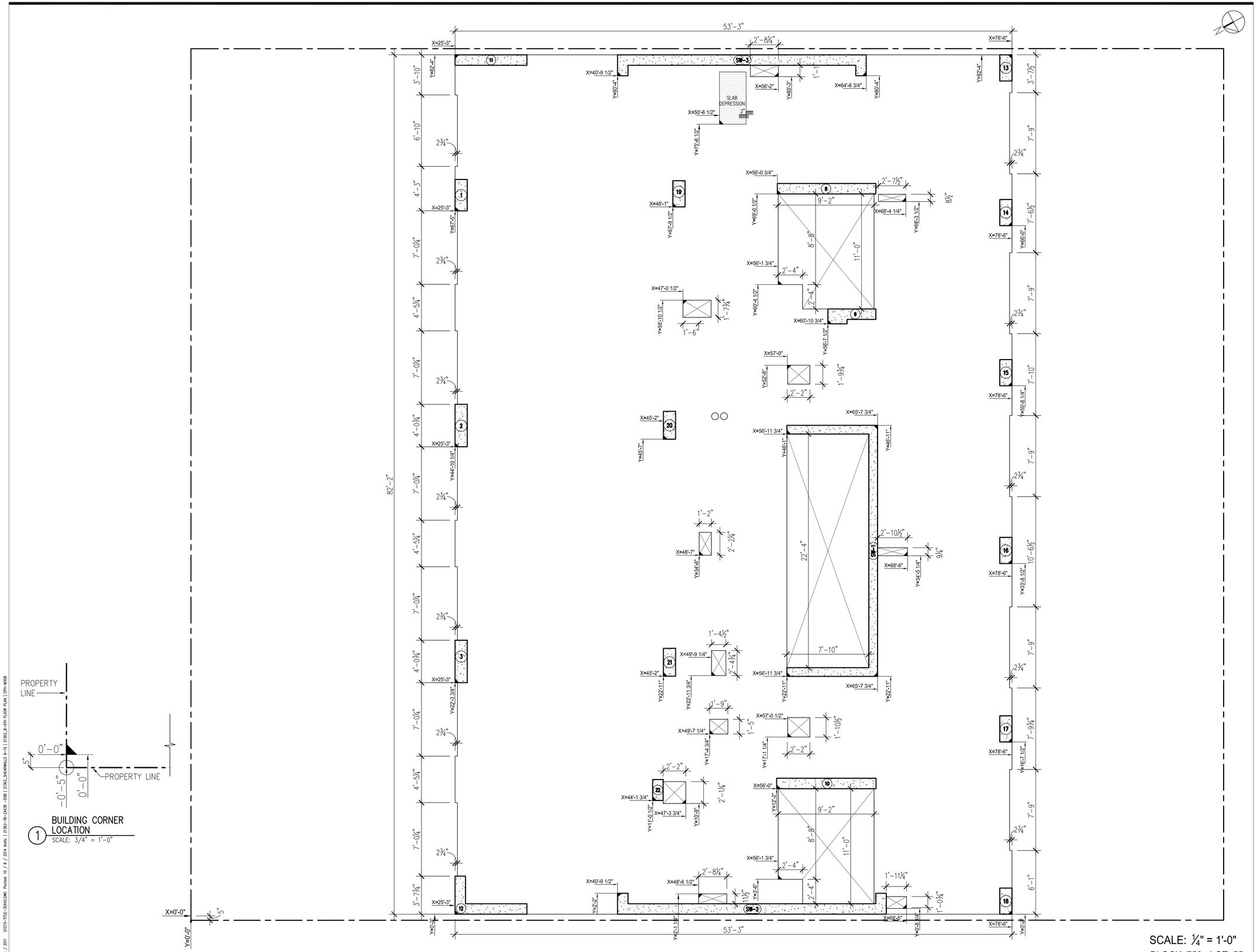
8th FLOOR SLAB EDGE PLAN

Drawing Number ## of

A-108.00

DOB B-Scan

21362



PROPERTY LINE

0'-0"

5"

0'-5"

0'-0"

PROPERTY LINE

1 BUILDING CORNER LOCATION

SCALE: 3/4" = 1'-0"

SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

6/13/2011 21073-TITLE-SDWG.DWG Plotted: 10/8/2014 Xrefs: [21362-TB-2ACAD-XDB] [21362_2HEADWALLS 9-15] [21362_9-9TH FLOOR PLAN] [CPH-XDB]

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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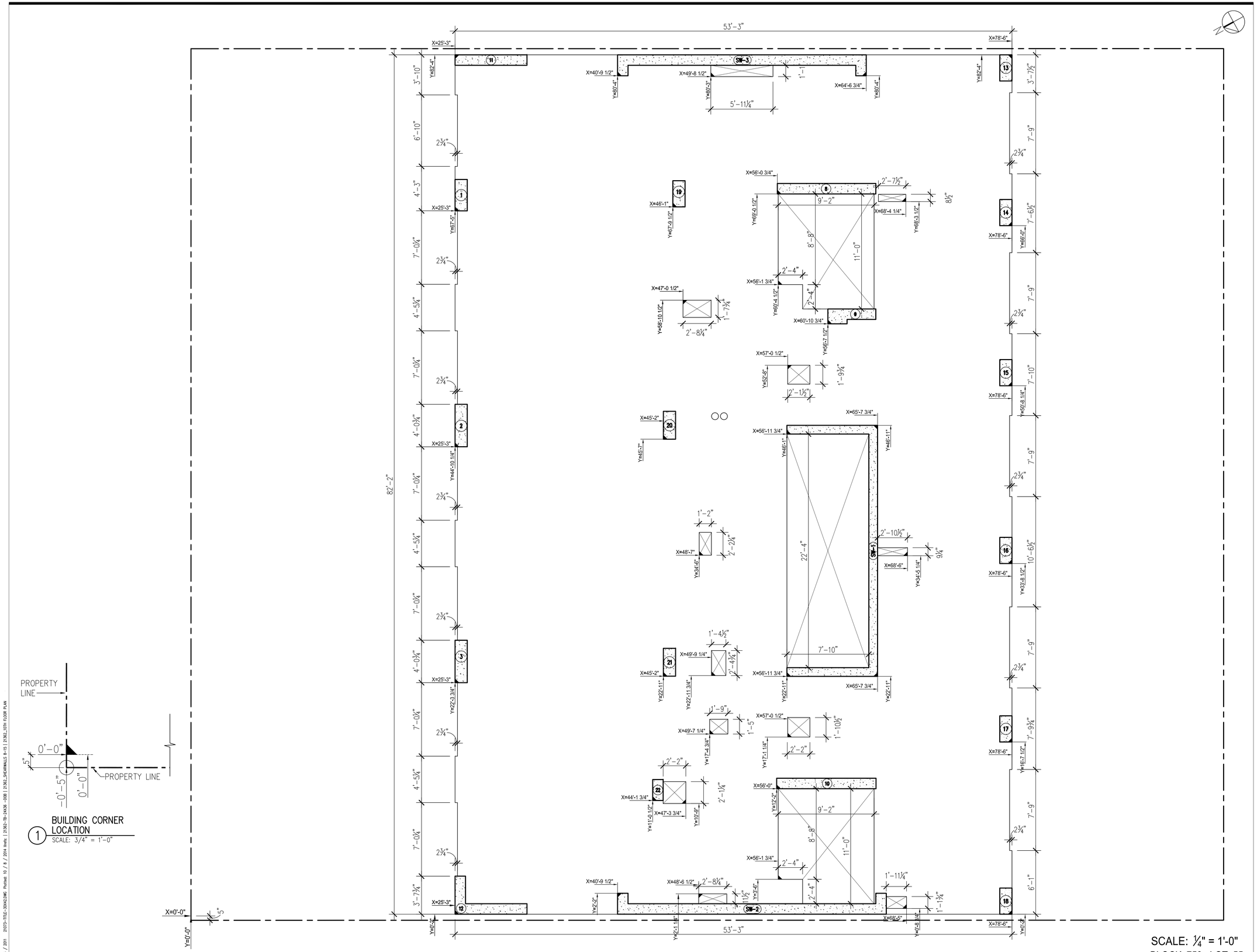
9th FLOOR SLAB EDGE PLAN

Drawing Number ## of

A-109.00

DOB B-Scan

21362



1 BUILDING CORNER LOCATION
SCALE: 3/4" = 1'-0"

SCALE: ¼" = 1'-0"
BLOCK: 759 LOT: 55

6/13/2011 21073-TITLE-SDKALDWG Plotted: 10/8/2014 Xrefs: 21362-TB-2ADB -XDB | 21362_SHEARWALLS R-15 | 21362_10TH FLOOR PLAN

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
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07.18.2014	90% CD SUBMISSION UPDATED
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09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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10th FLOOR SLAB EDGE PLAN

Drawing Number ## of

A-110.00

DOB B-Scan

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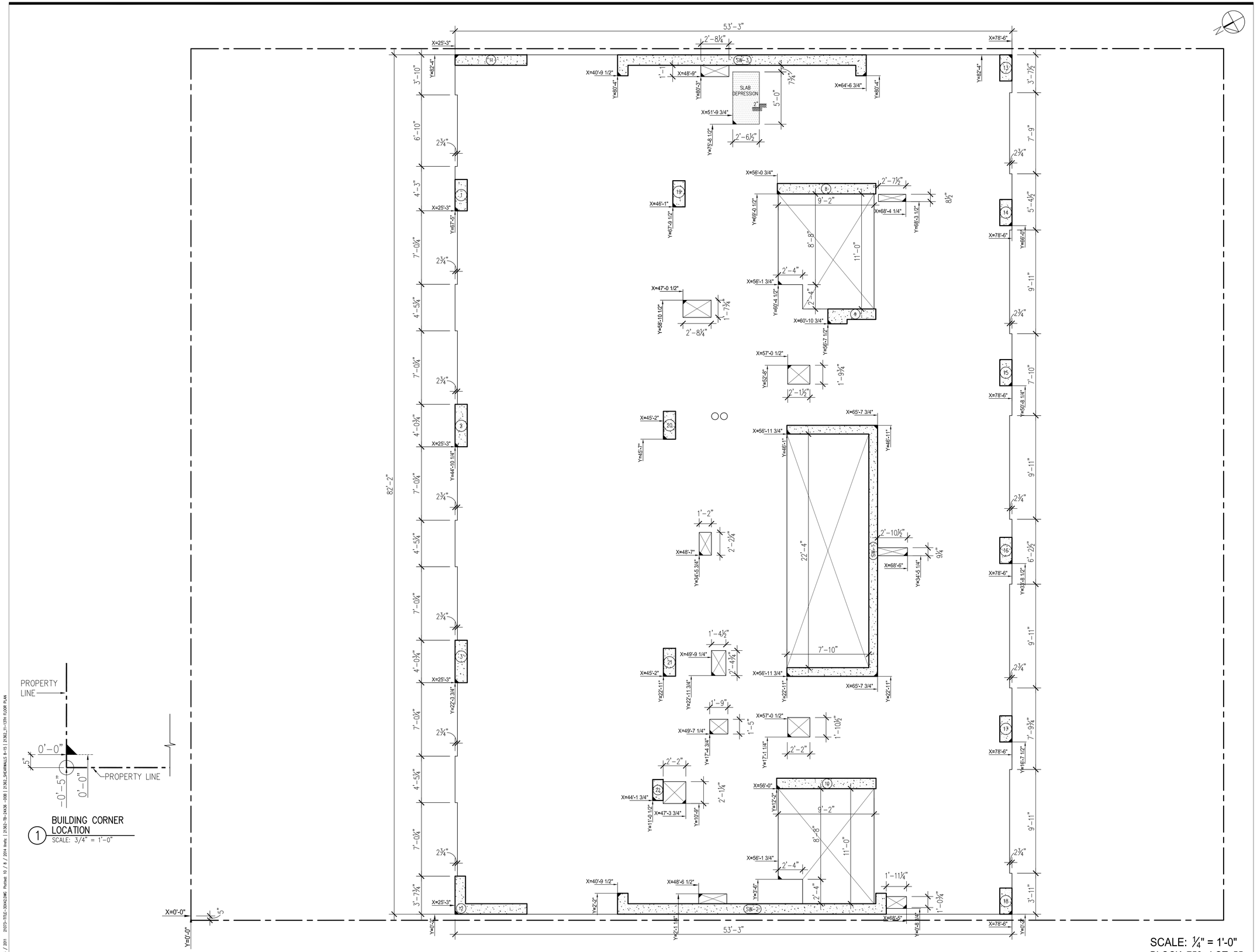

6 / 13 / 2011 21073-TITLE-2DWG.DWG Plotted: 10 / 8 / 2014 Wed. | 21362-TB-24X36 -DOB | 21362_2HEARWALLS 9-15 | 21362_11-13th FLOOR PLAN

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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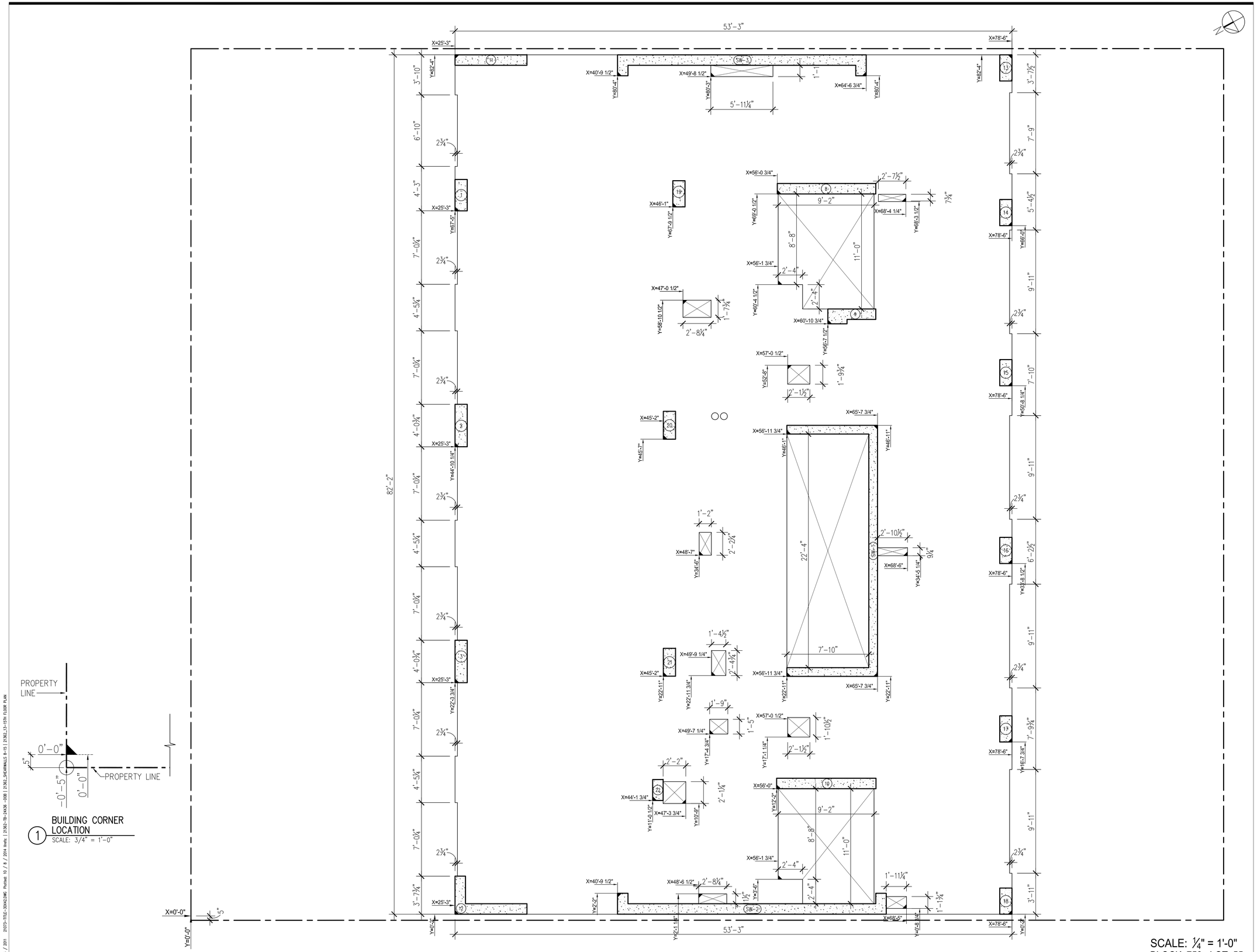
11th - 13th FLOOR SLAB EDGE PLAN

Drawing Number ## of

A-111.00

DOB B-Scan

21362



PROPERTY LINE

0'-0"

5"

-0'-5"

0'-0"

PROPERTY LINE

1 BUILDING CORNER LOCATION
SCALE: 3/4" = 1'-0"

SCALE: ¼" = 1'-0"
BLOCK: 759 LOT: 55

6/13/2011 21073-TITLE-2DWG.DWG Plotted: 10/8/2014 Wrote: | 21362-TB-2408 -DOB | 21362_SHEARWALLS 9-15 | 21362_14-15th FLOOR PLAN

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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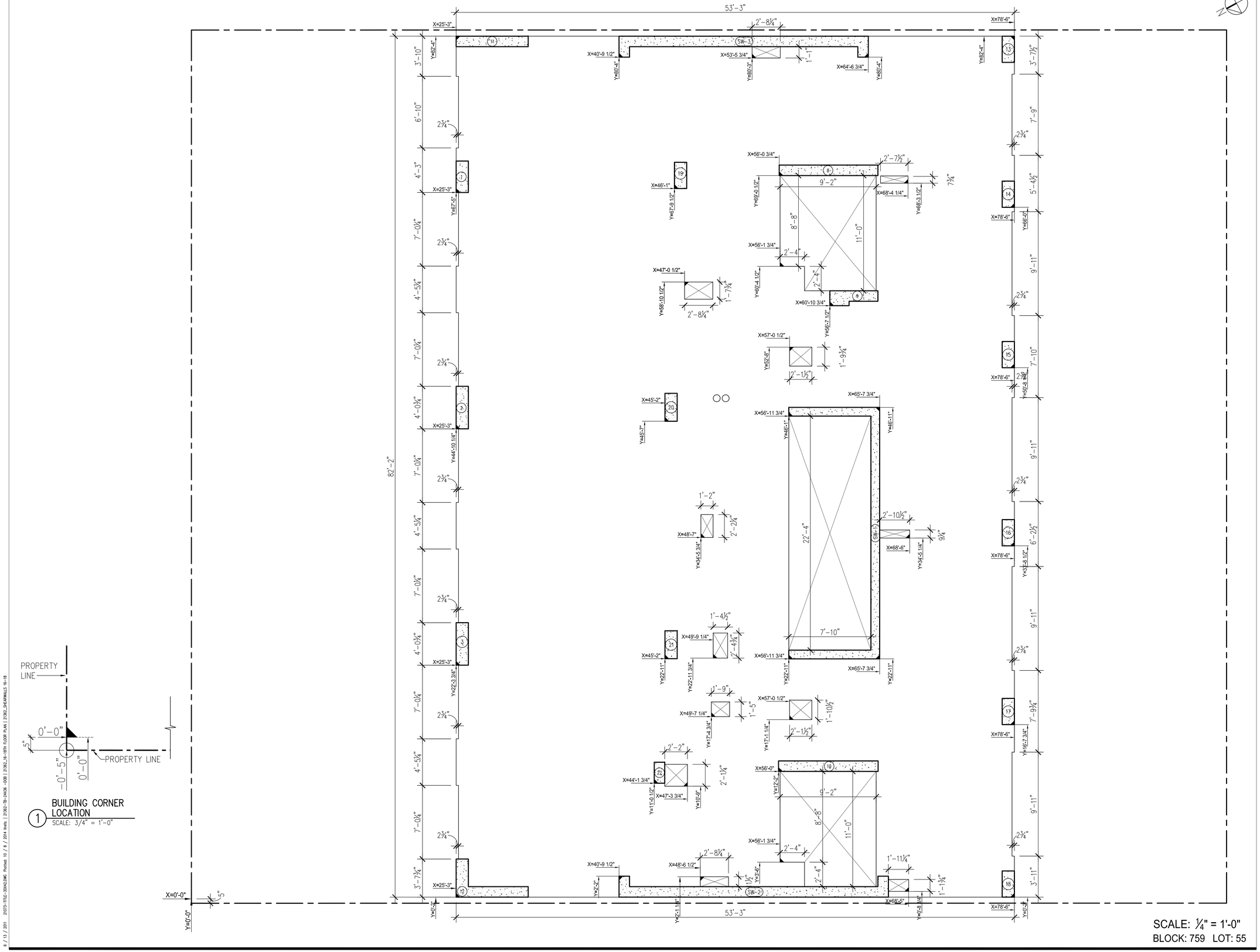
14th -15th FLOOR SLAB EDGE PLAN

Drawing Number ## of

A-114.00

DOB B-Scan

21362



6 / 13 / 2011 21073-TITLE-2DWG.DWG Plotted: 10 / 8 / 2014 Wed. | 21362-TB-2408 -DOB | 21362_16-18TH FLOOR PLAN | 21362_SHEARWALLS 16-18

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

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STONEHILL & TAYLOR
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16th - 18th FLOOR SLAB EDGE PLAN

Drawing Number ## of

A-116.00

DOB B-Scan

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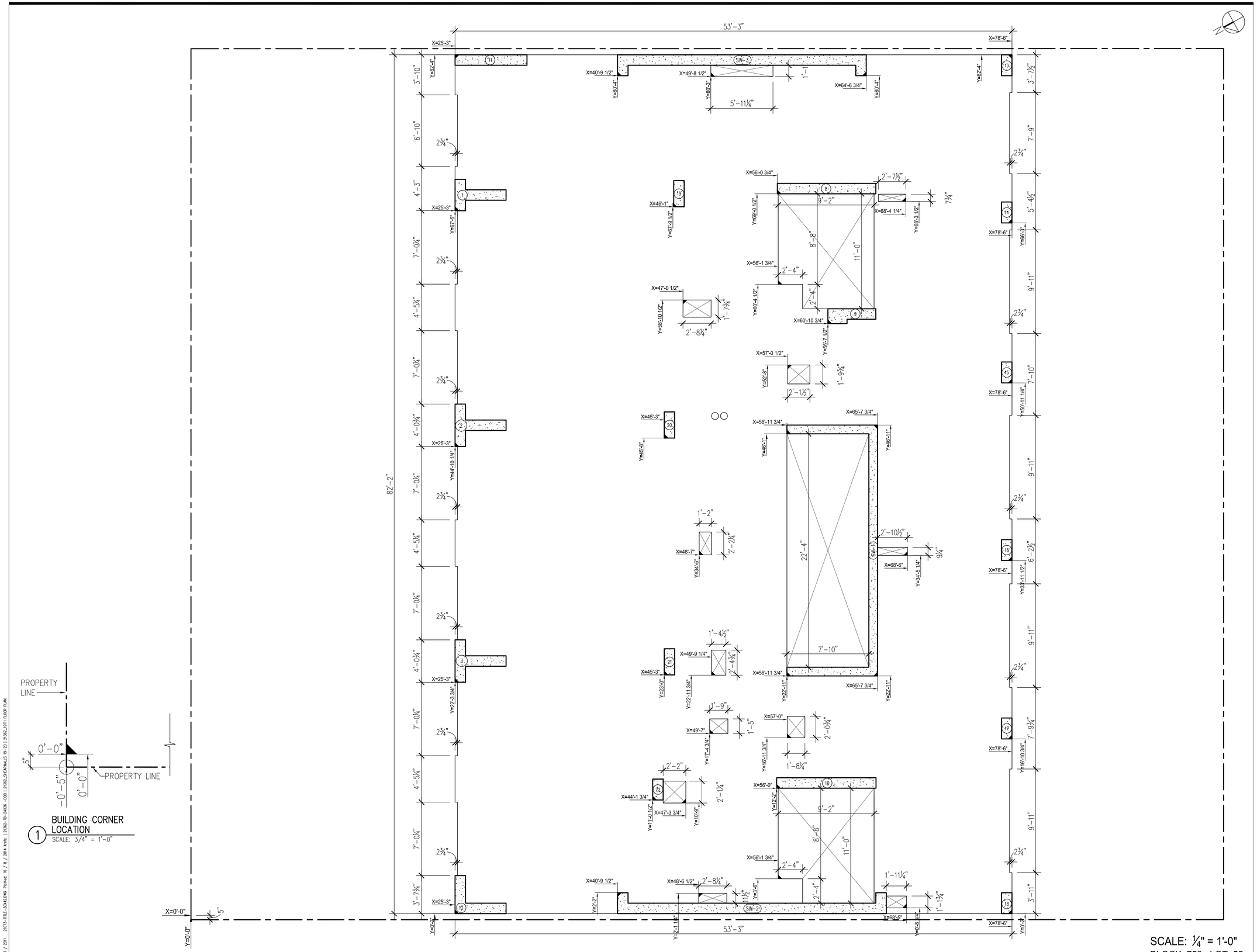

1 BUILDING CORNER LOCATION
SCALE: 3/4" = 1'-0"

SCALE: ¼" = 1'-0"
BLOCK: 759 LOT: 55

6 / 13 / 2011 20013-TITLE-22X34.DWG Plotted: 10 / 8 / 2014 Xrefs: [21362-TB-24X36 -108] [21362_24X36PANELS 19-20] [21362_19TH FLOOR PLAN

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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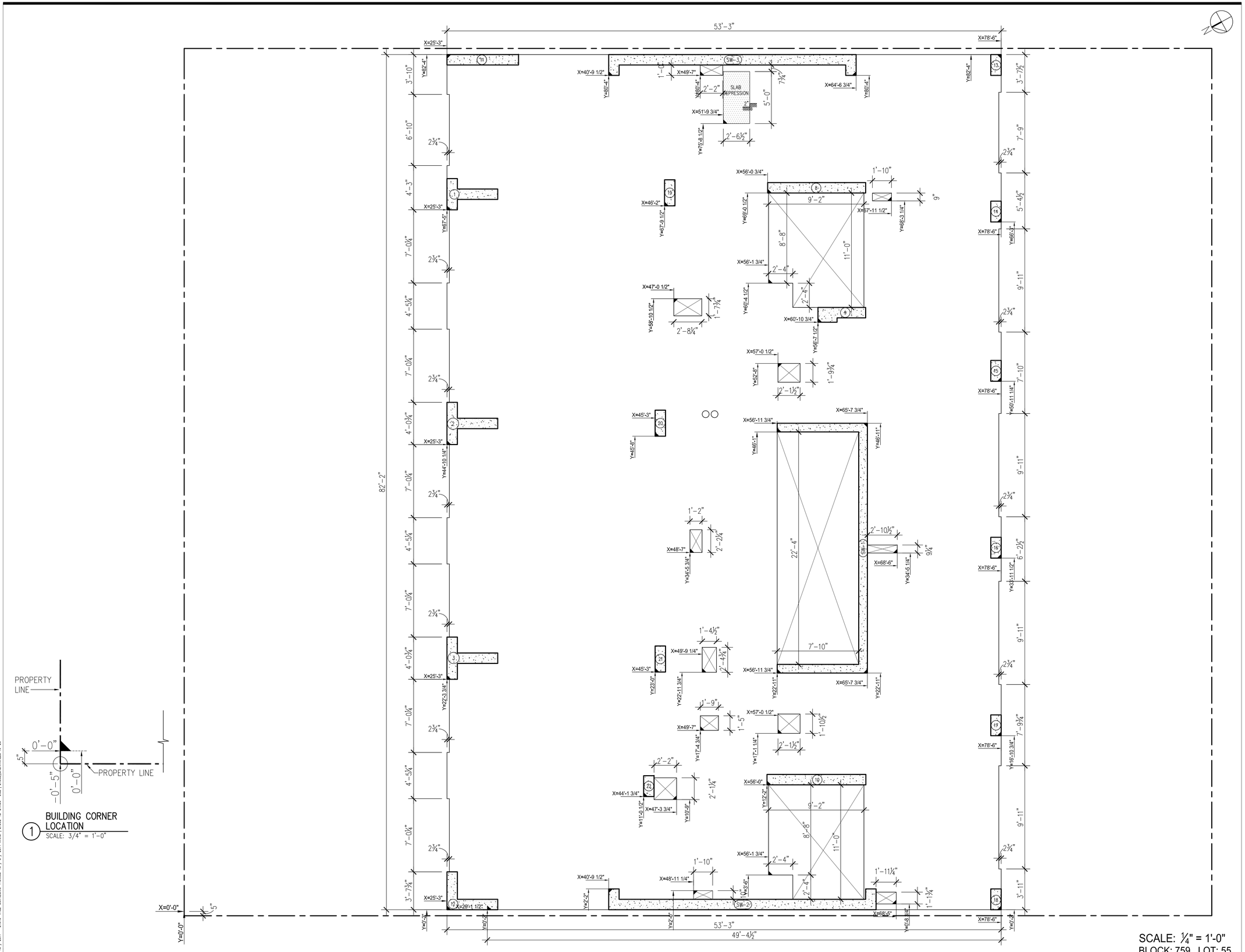
19th FLOOR SLAB EDGE PLAN

Drawing Number ## of

A-119.00

DOB B-Scan

21362



SCALE: ¼" = 1'-0"
BLOCK: 759 LOT: 55

6 / 13 / 2011 20073-TITLE-20X42.DWG Plotted: 10 / 8 / 2014 Xrefs: | 21362-TB-24X36 -108 | 21362_SHEAVINWALLS 19-20

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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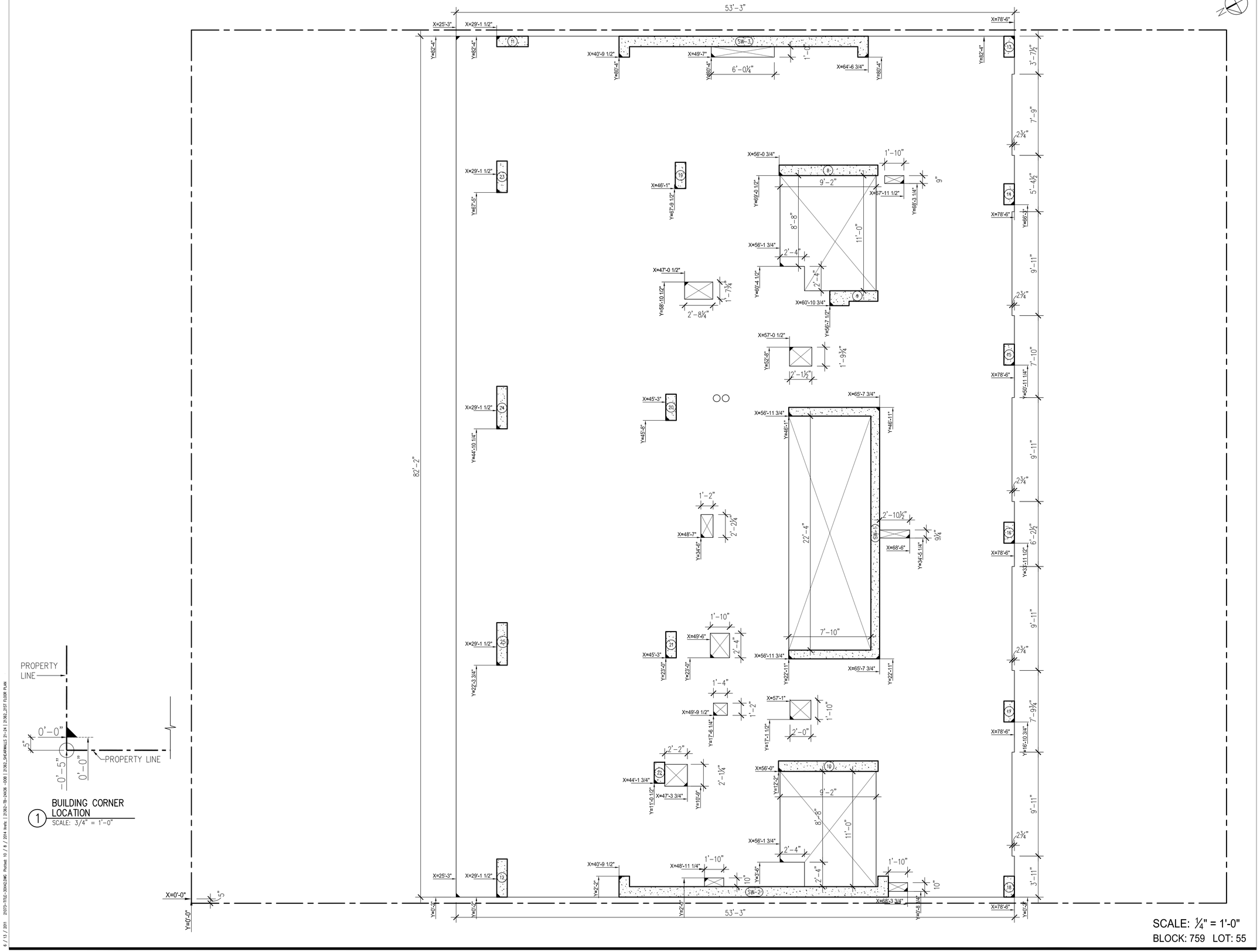
20th FLOOR SLAB EDGE PLAN

Drawing Number ## of

A-120.00

DOB B-Scan

21362



6 / 13 / 2011 21073-TITLE-ZONING.DWG Plotted: 10 / 8 / 2014 Wed | 21362-TB-2406 -DOB | 21362_SHEARWALLS 21-24 | 21362_21ST FLOOR PLAN

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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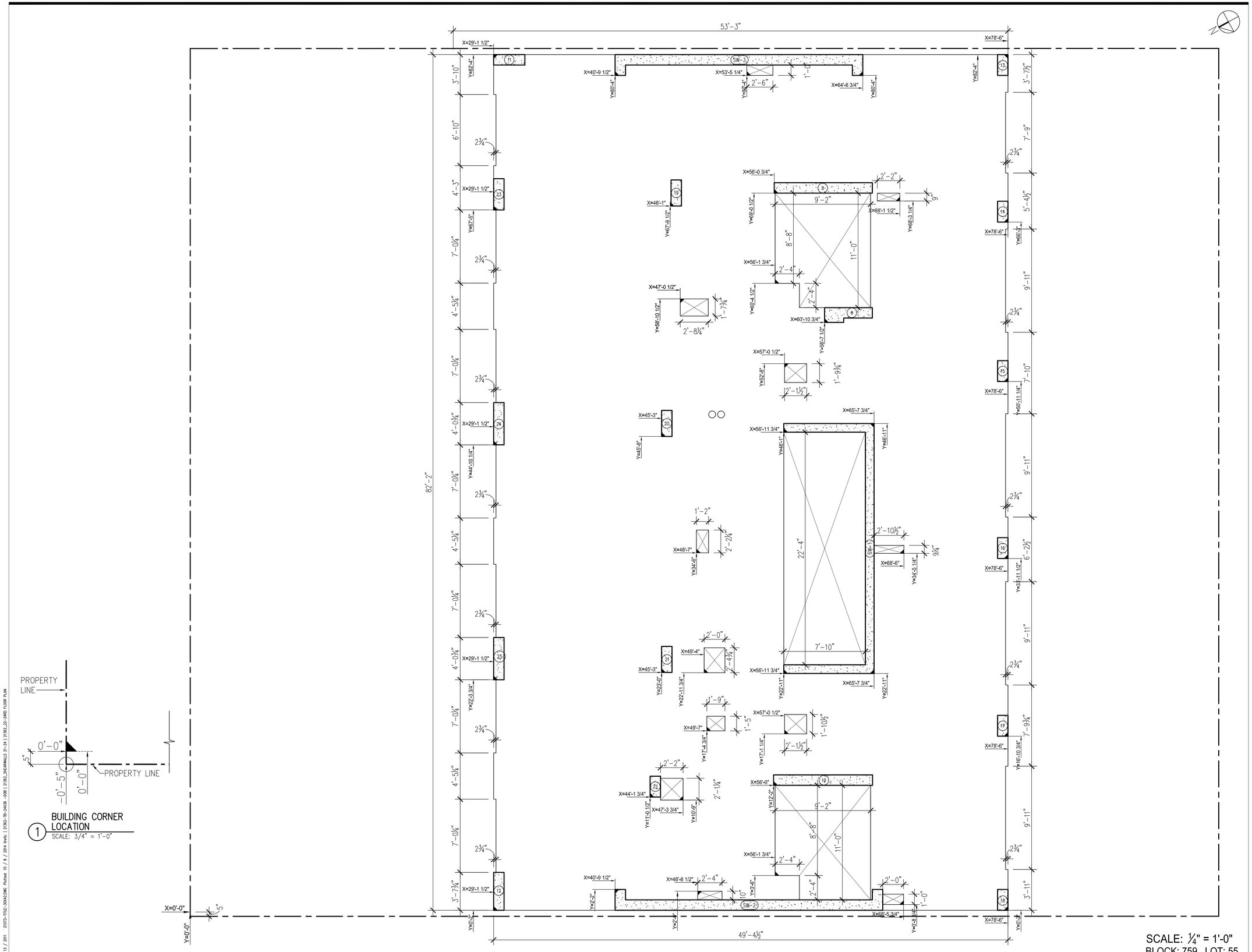
21st FLOOR SLAB EDGE PLAN

Drawing Number ## of

A-121.00

DOB B-Scan

21362



6 / 13 / 2011 21073-TITLE-22X42.DWG Plotted: 10 / 8 / 2014 Wed. | 21362-TB-24X36 -DOB | 21362_SHEARWALLS 21-24 | 21362_22-24RD FLOOR PLAN

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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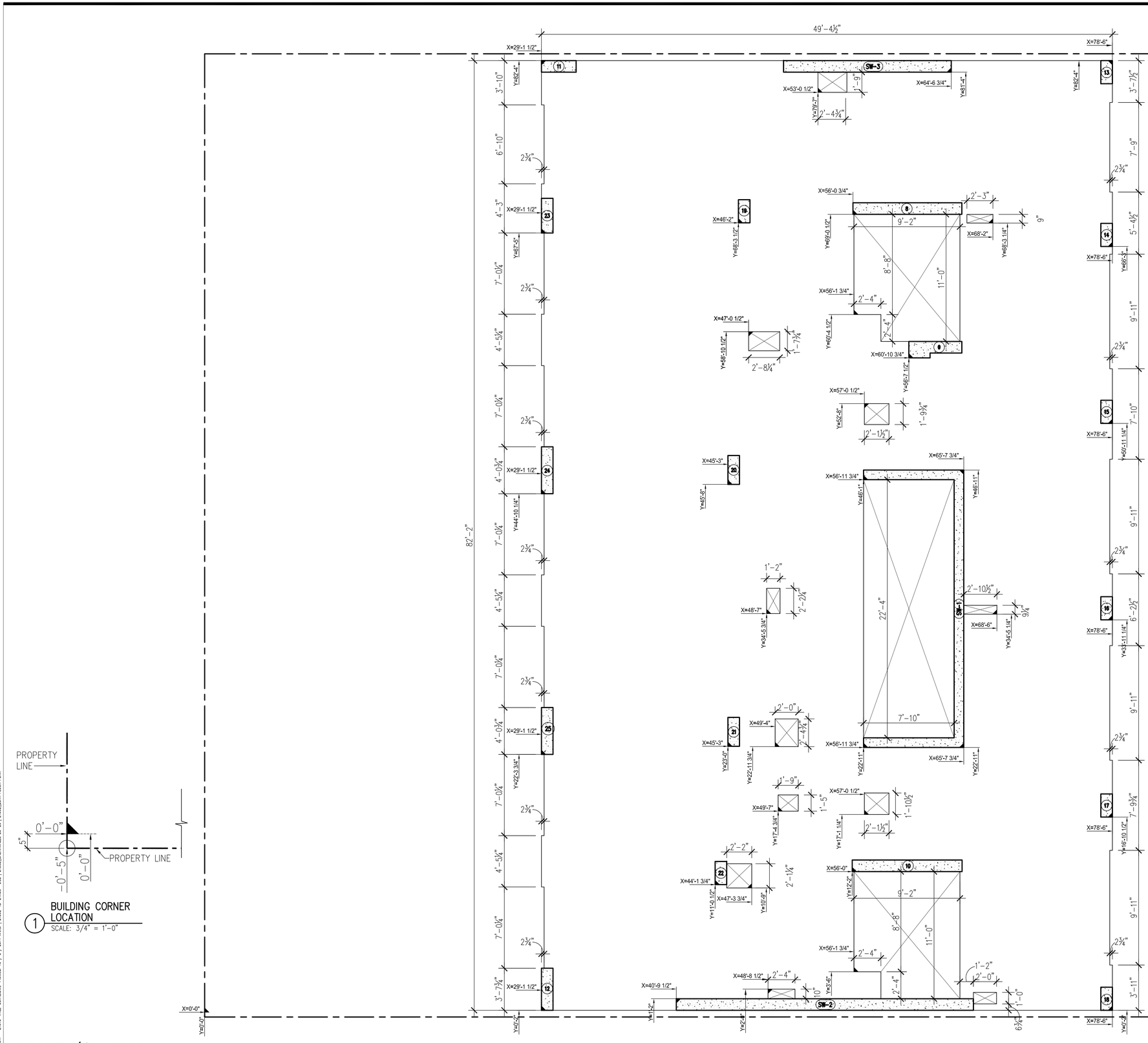
22nd - 24th FLOOR SLAB EDGE PLAN

Drawing Number ## of

A-122.00

DOB B-Scan

21362



6/13/2011 21073-TITLE-02X42.DWG Plotted: 10/8/2014 Xrefs: | 21362-TB-24X36 -DOB | 21362_SHEARWALLS 25-26 | 21362_25TH FLOOR PLAN

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
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06.04.2014	80% CD SUBMISSION
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09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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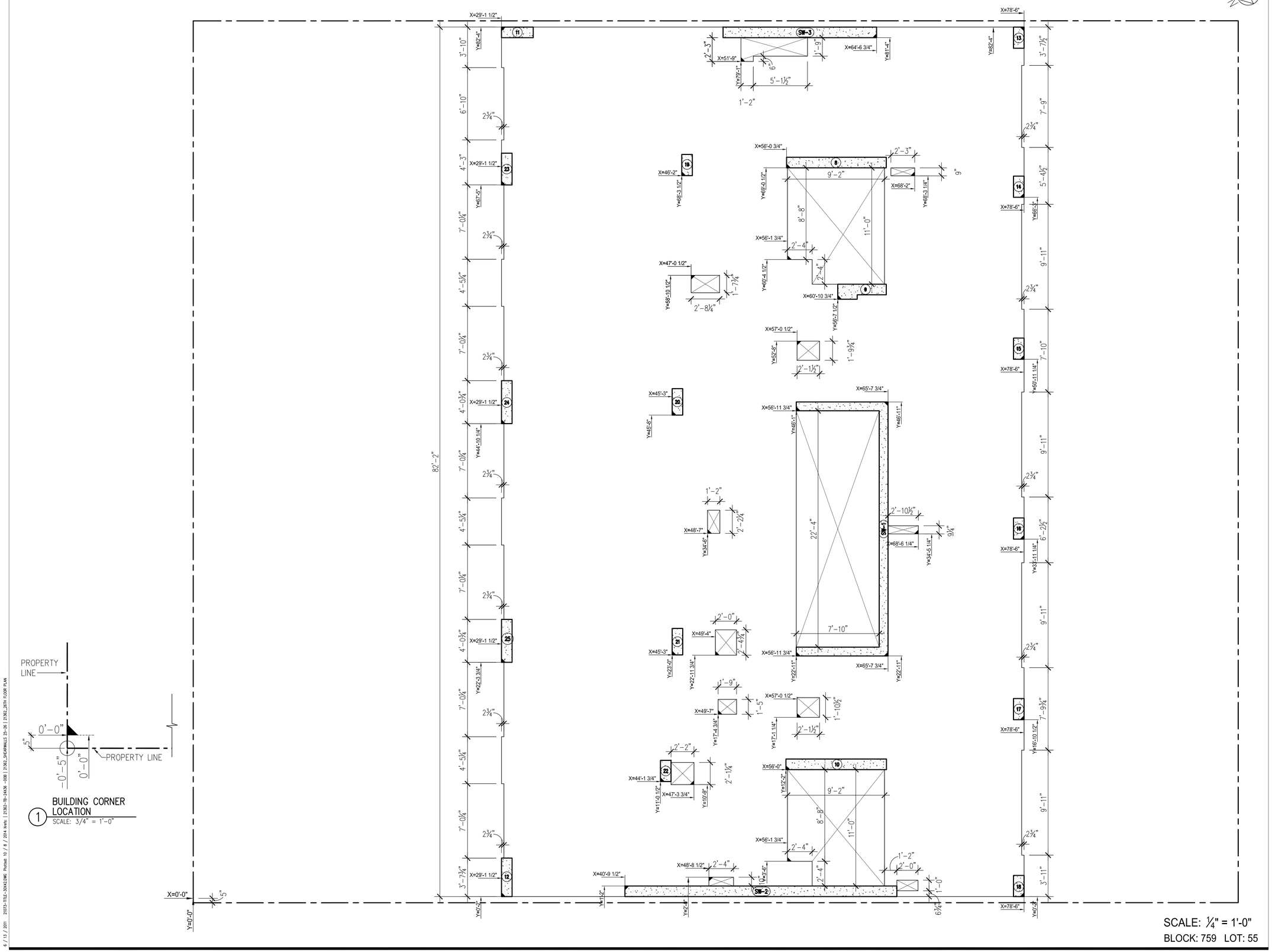
25th FLOOR SLAB EDGE PLAN

Drawing Number ## of

A-125.00

DOB B-Scan

21362



PROPERTY LINE

0'-0"

5"

0'-5"

0'-0"

PROPERTY LINE

1 BUILDING CORNER LOCATION
SCALE: 3/4" = 1'-0"

SCALE: ¼" = 1'-0"
BLOCK: 759 LOT: 55

6 / 13 / 2011 21073-TITLE-SDWG.DWG Plotted: 10 / 8 / 2014 Wed | 21362-TB-2406 -DOB | 21362_26FLRWALLS 25-26 | 21362_26TH FLOOR PLAN

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

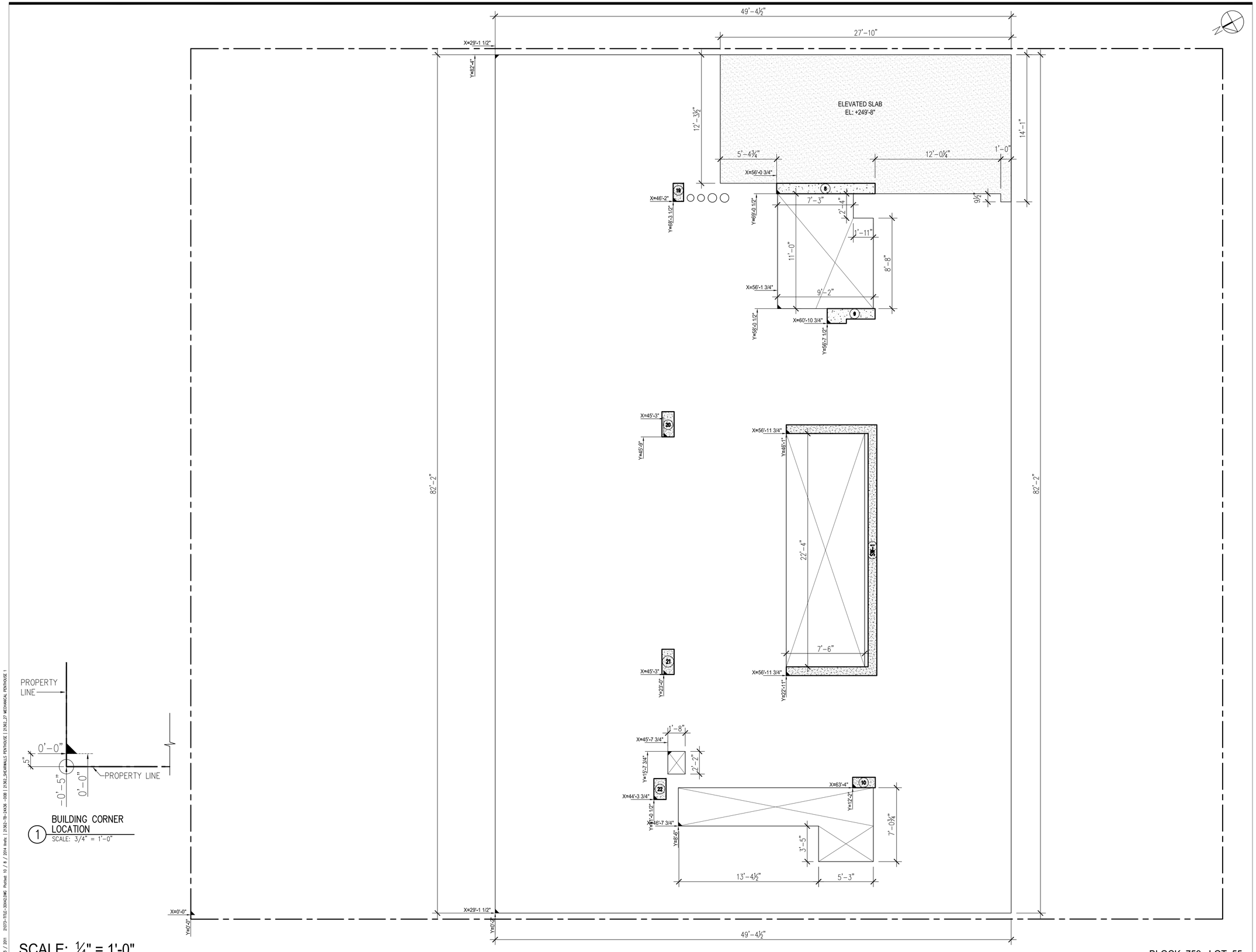
26th FLOOR SLAB EDGE PLAN

Drawing Number ## of

A-126.00

DOB B-Scan

21362



6 / 13 / 2014 21073-TITLE-SOM12.DWG Plotted: 10 / 8 / 2014 by=bt | 21362-18-24X36 -108 | 21362_34EARMALLS PENTHOUSE | 21362_27 MECHANICAL PENTHOUSE 1

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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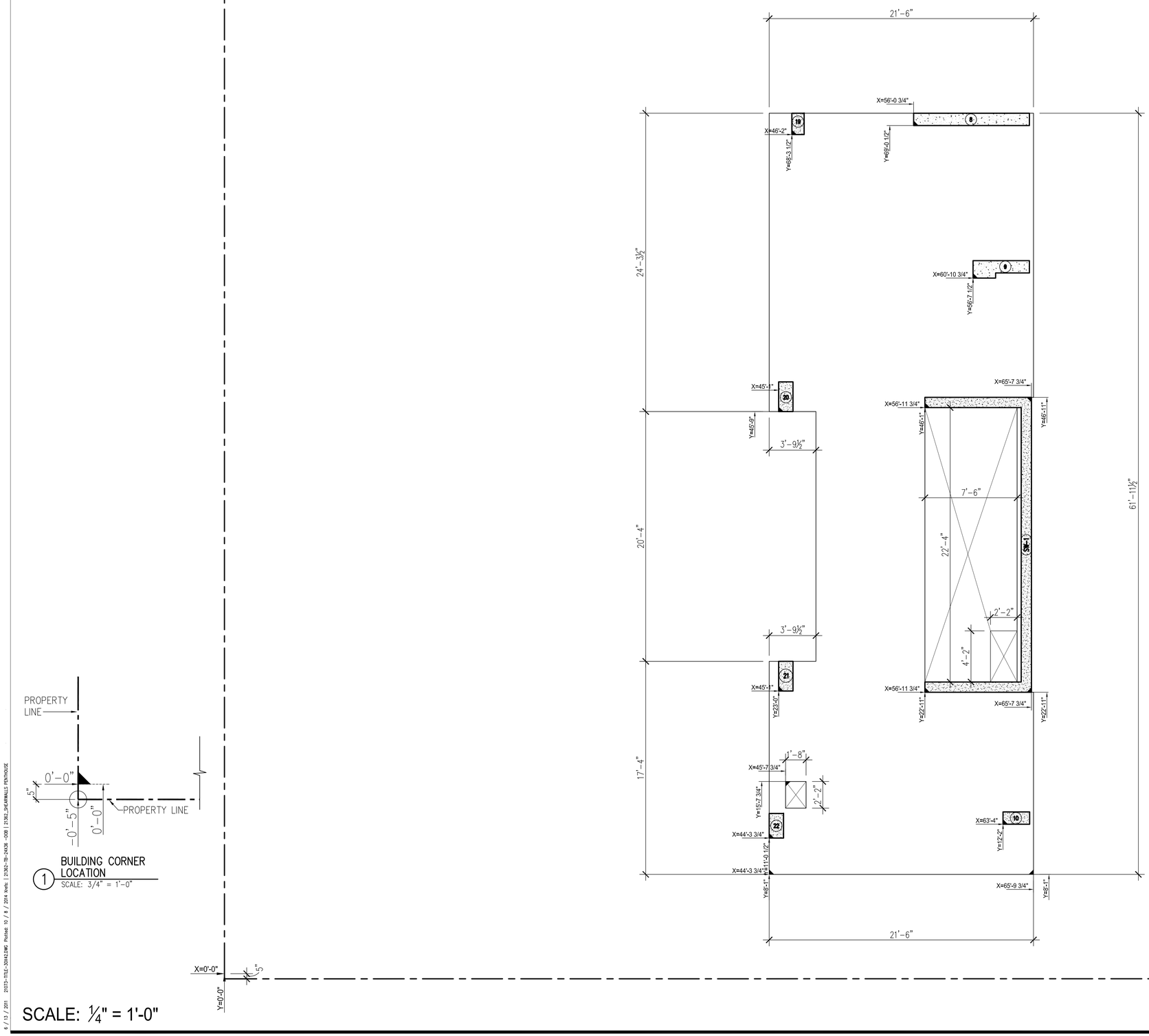
MECHANICAL LEVEL 1 FLOOR SLAB EDGE PLAN

Drawing Number ## of

A-127.00

DOB B-Scan

21362



1 BUILDING CORNER LOCATION
SCALE: 3/4" = 1'-0"

SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

6/13/2011 21073-TITLE-SDRAIL.DWG Plotted: 10/8/2014 by eric | 21362-TB-24X36 -DOB | 21362_SHEARWALLS PENTHOUSE

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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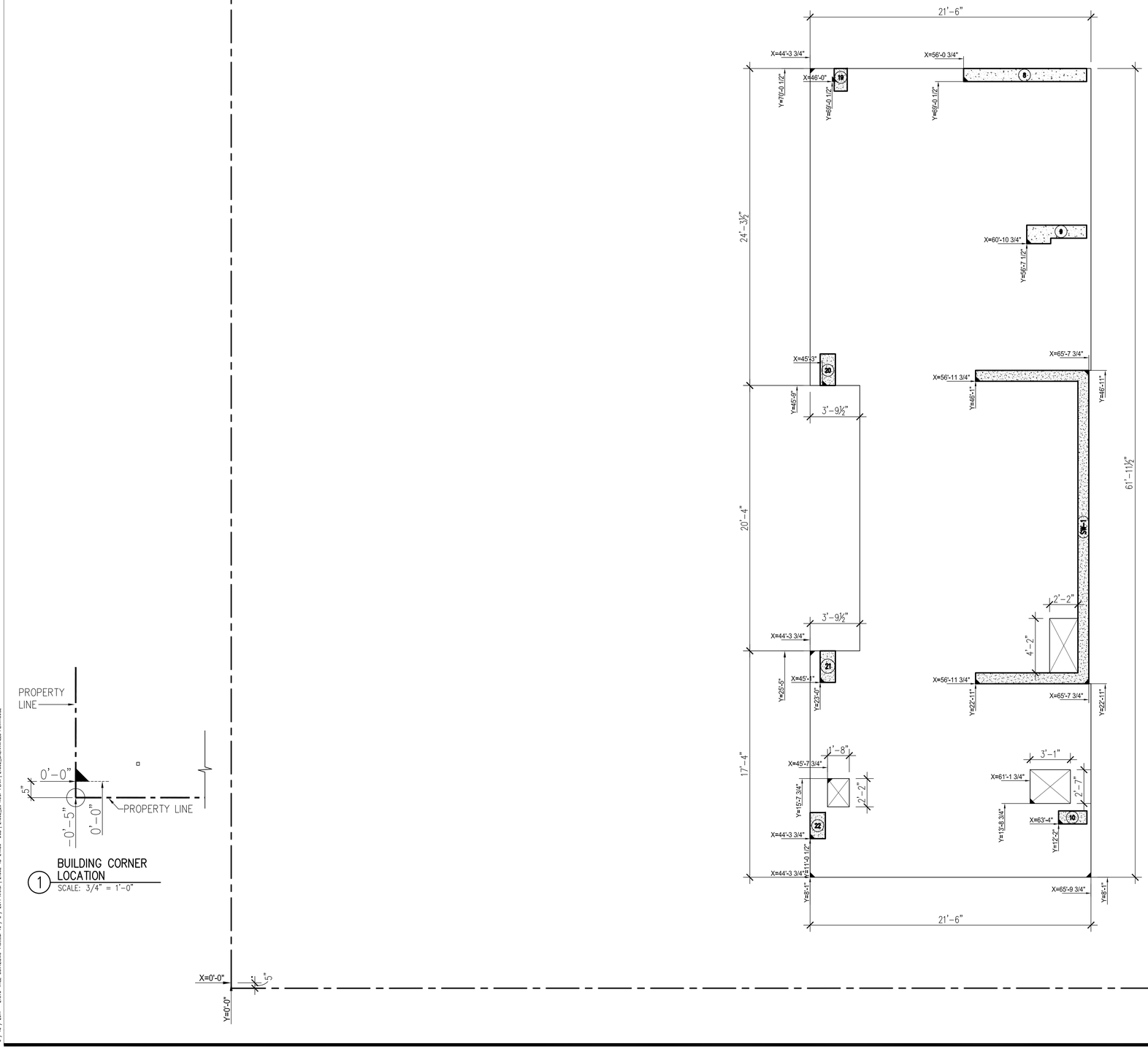
MECHANICAL LEVEL 2 FLOOR SLAB EDGE PLAN

Drawing Number ## of

A-128.00

DOB B-Scan

21362



1 BUILDING CORNER LOCATION
SCALE: 3/4" = 1'-0"

SCALE: ¼" = 1'-0"
BLOCK: 759 LOT: 55

6/13/2011 21073-TITLE-ZONING.DWG Plotted: 10/8/2014 Xrefs: 21362-TB-2ACAD -DOB | 21362_29 ROOF PLAN | 21362_SHEARWALLS PENTHOUSE

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

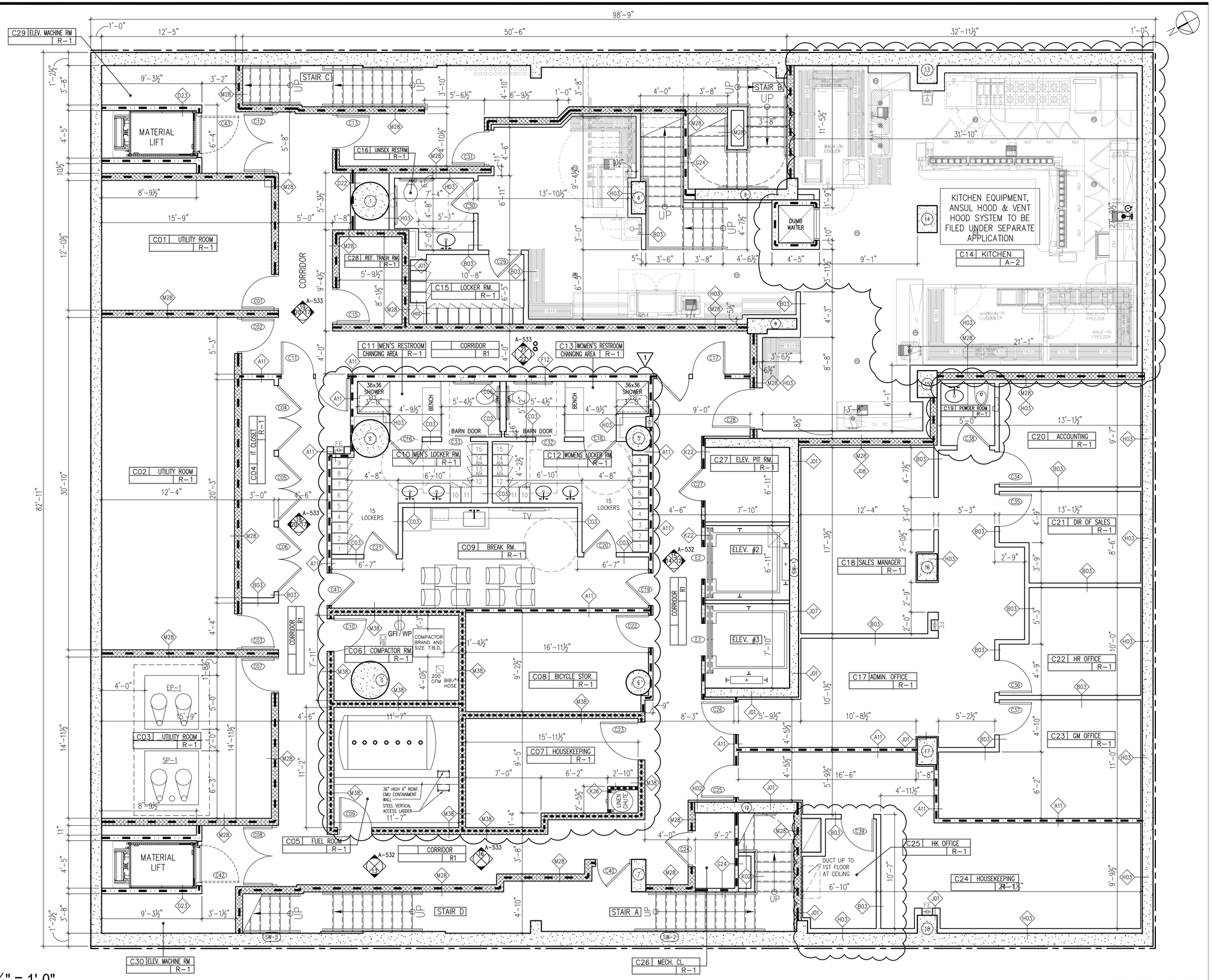
ROOF SLAB EDGE PLAN

Drawing Number ## of

A-129.00

DOB B-Scan

21362



6 / 13 / 2011 20073-TITLE-3DRAWING Plotted: 10 / 8 / 2014 Wed. | 21362_15-04A36 - 006 | 21362_D CELLAR FLOOR PLAN | 21362_3DERAWALLS 0 C

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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STONEHILL & TAYLOR
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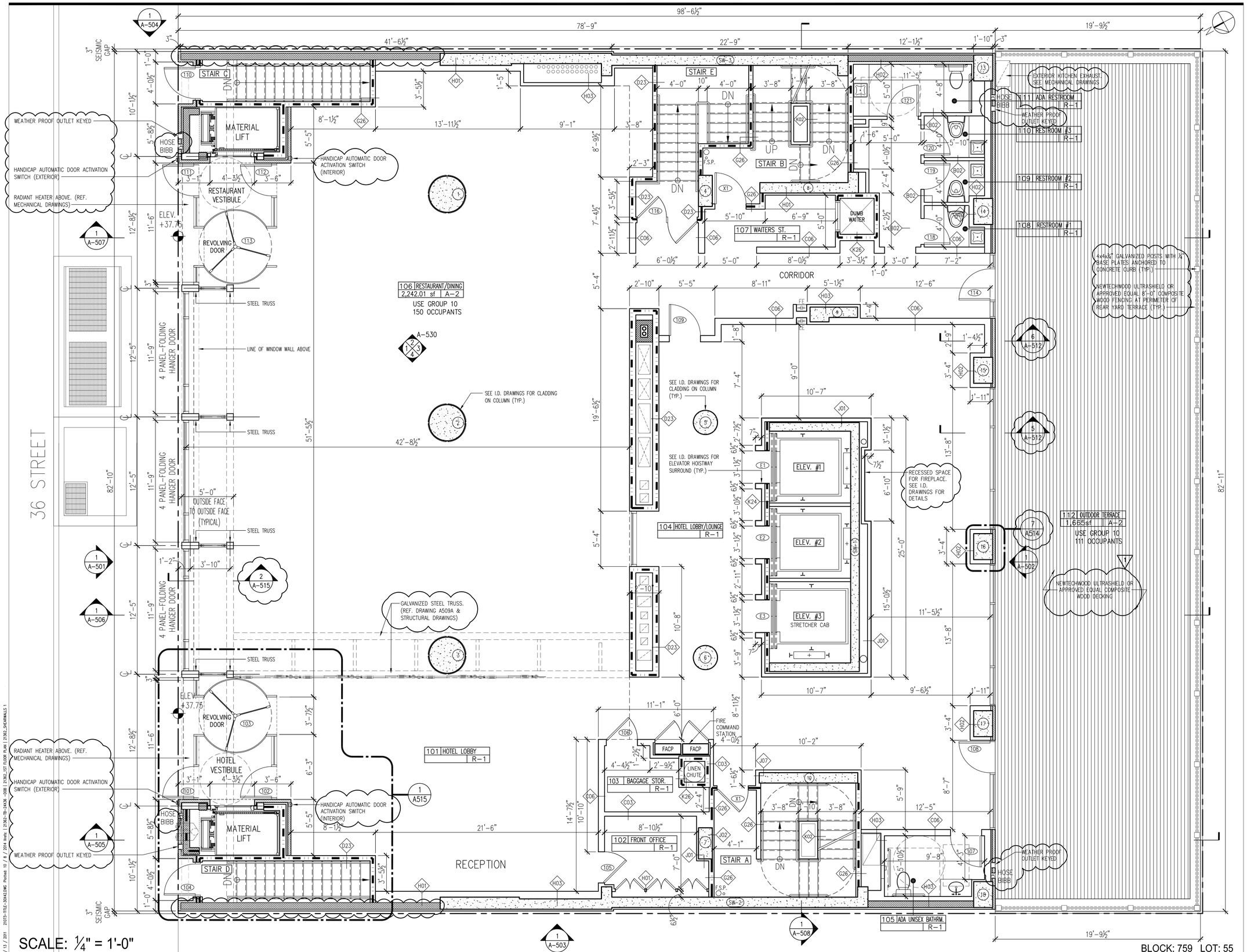
CELLAR FLOOR PLAN

Drawing Number ## of

A-200.00

DOB B-Scan

21362



Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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Seal

Project

AC 320 HOTEL PARTNERS LLC
NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

GROUND FLOOR PLAN

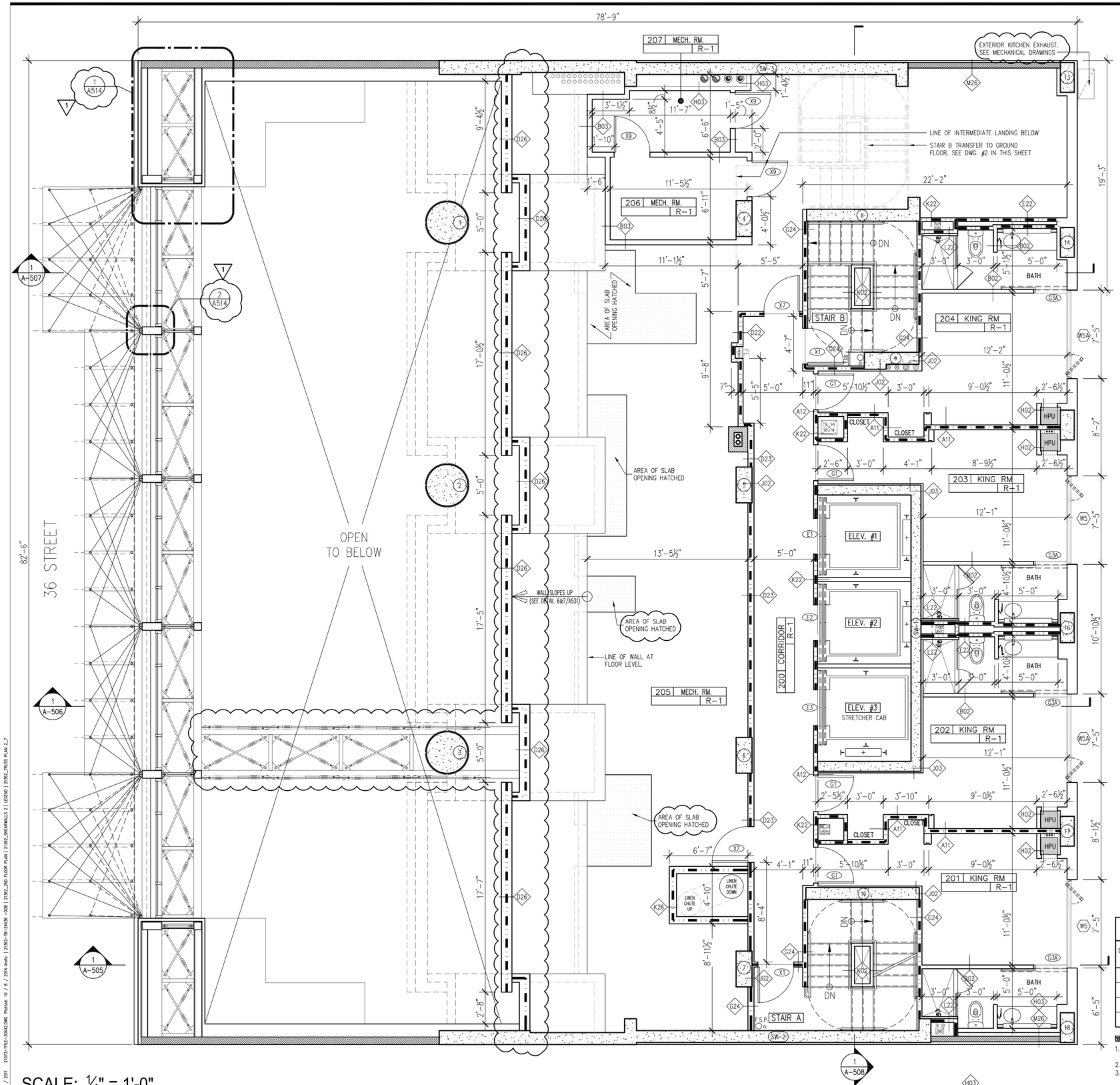
Drawing Number ## of

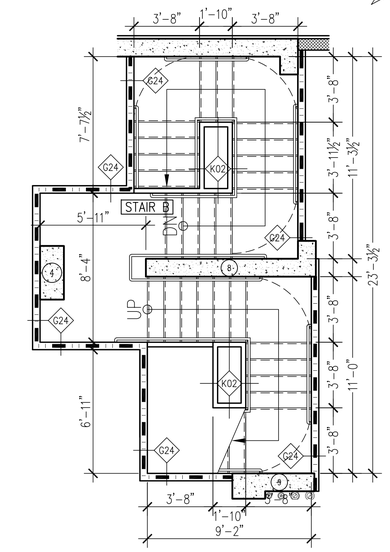
A-201.00

DOB B-Scan

21362

6 / 13 / 2011 20123-TITLE-30X42.DWG Plotted: 10 / 8 / 2014 by Mark J. 21362-1ST FLOOR PLAN J 21362_SHEARWALLS 1





2 STAIR B TRANSFER
SCALE : 1/4" = 1'-0"

LEGEND

- ROOM NUM. / ####DD ROOM / 100sf / R-1 — ROOM TYPE / USE GROUP
- PARTITION TYPE
- FE — FIRE EXTINGUISHER
- WINDOW TYPE
- DOOR TAG
- UNITS WITH ACCESSIBLE COMMUNICATION FEATURES (REFER TO G-001 FOR NOTES AND ANALYSIS)
- FD — FLOOR DRAIN
- RD — ROOF DRAIN
- AD — AREA DRAIN

EXIT PATHWAY MARKINGS NOTES:
403.16 EXIT PATH MARKINGS. ALL HIGH-RISE BUILDINGS SHALL BE PROVIDED WITH PHOTOLUMINESCENCE EXIT PATH MARKINGS CONFORMING TO SECTION 1026.

CARBON MONOXIDE NOTE:
1) HARDWIRED CARBON MONOXIDE DETECTORS COMPLYING WITH RS 17-13 AND INSTALLED IN ACCORDANCE WITH 17-14 SHALL BE PROVIDED IN EVERY UNIT WITHIN 15 FEET OF THE PRIMARY ENTRANCE TO EACH BED ROOM.

LIGHT AND AIR CALCULATION (2ND FLOOR)

GUESTROOM NO.	FLOOR AREA (S.F.)	REQUIRED MIN. LIGHT (10%)	PROPOSED LIGHT (S.F.)	REQUIRED MIN. AIR (5%)	PROPOSED AIR (S.F.)	COMPLIANCE
201	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
202	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
203	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
204	162 S.F.	16.2 S.F.	50 S.F.	8.1 S.F.	13 S.F.	COMPLIES

NOTES:
1. AREA CALCULATION IS BASED ON "HABITABLE ROOM" DEFINITION AND DOES NOT INCLUDE CLOSETS, HALLS, AND BATHROOM.
2. NATURAL LIGHT SHALL BE AT LEAST 10% OF THE "HABITABLE ROOM" AREA (BC-1205.2.1)
3. VENTILATING OPENING (AIR) SHALL BE AT LEAST 5% OF THE "HABITABLE ROOM" AREA (BC-1203.4.1.2.1)

BLOCK: 759 LOT: 55

6/13/2011 21017-TITLE-SCHEDULE.DWG Plotted: 10/8/2014 Xrefs: 21362-TB-2A3DB-00B1 | 21362_2ND FLOOR PLAN | 21362_3HRWALLS 2 | LEGEND | 21362_TRUSS PLAN 2_2

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

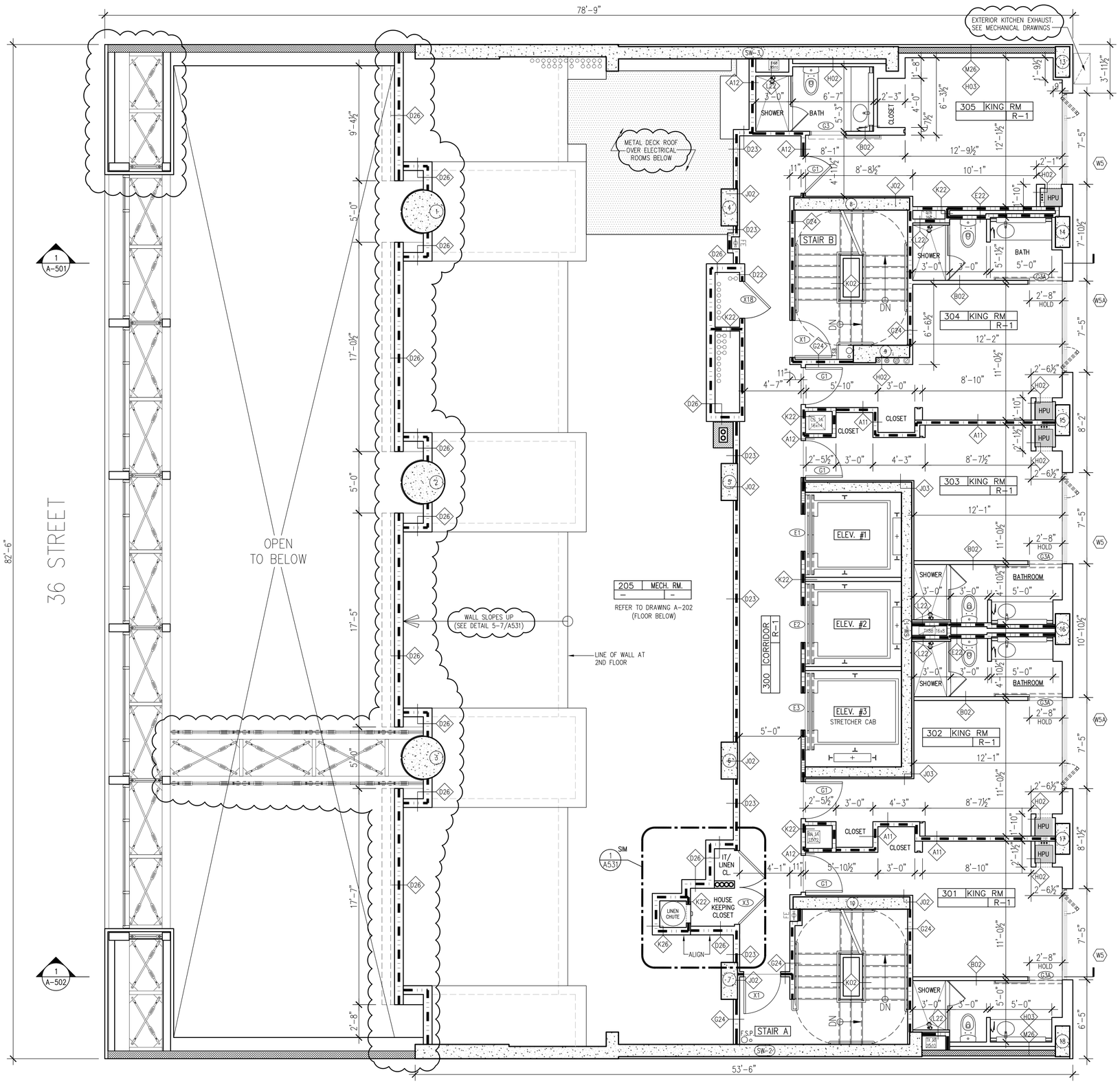
2nd FLOOR PLAN

Drawing Number ## of

A-202.00

DOB B-Scan

21362



LIGHT AND AIR CALCULATION (3RD FLOOR)

GUESTROOM NO.	FLOOR AREA (S.F.)	REQUIRED MIN. LIGHT (10%)	PROPOSED LIGHT (S.F.)	REQUIRED MIN. AIR (5%)	PROPOSED AIR (S.F.)	COMPLIANCE
301	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
302	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
303	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
304	162 S.F.	16.2 S.F.	50 S.F.	8.1 S.F.	13 S.F.	COMPLIES
305	197 S.F.	19.7 S.F.	50 S.F.	9.85 S.F.	13 S.F.	COMPLIES

NOTES:

1. AREA CALCULATION IS BASED ON "HABITABLE ROOM" DEFINITION AND DOES NOT INCLUDE CLOSETS, HALLS, AND BATHROOM.
2. NATURAL LIGHT SHALL BE AT LEAST 10% OF THE "HABITABLE ROOM" AREA (BC-1205.2.1)
3. VENTILATING OFENING (AIR) SHALL BE AT LEAST 5% OF THE "HABITABLE ROOM" AREA (BC-1203.4.1.2.1)

LEGEND

- ROOM NUM. / #### DD ROOM / 100sf R-1 / ROOM NUM. — ROOM TYPE, USE GROUP
- G24 — PARTITION TYPE
- FE — FIRE EXTINGUISHER
- W5 — WINDOW TYPE
- G1 — DOOR TAG
- UNITS WITH ACCESSIBLE COMMUNICATION FEATURES (REFER TO G-001 FOR NOTES AND ANALYSIS)
- FD — FLOOR DRAIN
- RD — ROOF DRAIN
- AD — AREA DRAIN

EXIT PATHWAY MARKINGS NOTES:
403.16 EXIT PATH MARKINGS. ALL HIGH-RISE BUILDINGS SHALL BE PROVIDED WITH PHOTOLUMINESCENCE EXIT PATH MARKINGS CONFORMING TO SECTION 1026.

CARBON MONOXIDE NOTE:
1) HARDWIRED CARBON MONOXIDE DETECTORS COMPLYING WITH RS 17-13 AND INSTALLED IN ACCORDANCE WITH 17-14 SHALL BE PROVIDED IN EVERY UNIT WITHIN 15 FEET OF THE PRIMARY ENTRANCE TO EACH BED ROOM.

BLOCK: 759 LOT: 55

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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Project

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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

3rd FLOOR PLAN

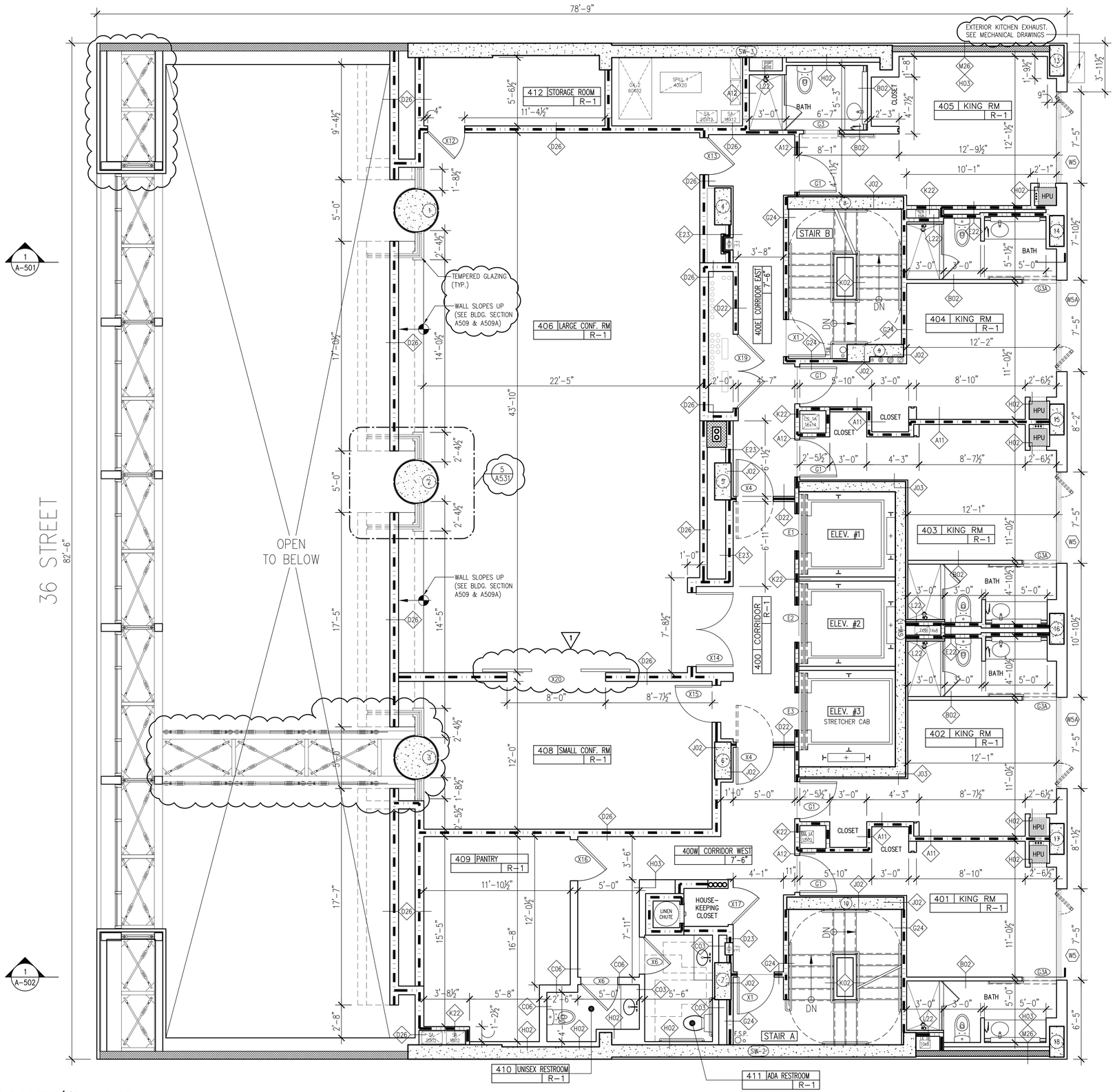
Drawing Number ## of

A-203.00

DOB B-Scan

21362

6 / 13 / 2011 21073-TITLE-30X42.DWG Plotted: 10 / 8 / 2014 by rbelz | 21362_3RD FLOOR PLAN | 21362-TB-24X36 -108 | 21362_SHEARWALLS 3+7 | LEGEND | 21362_CROSS PLAN 2_7



LIGHT AND AIR CALCULATION (4TH FLOOR)

GUESTROOM NO.	FLOOR AREA (S.F.)	REQUIRED MIN. LIGHT (10%)	PROPOSED LIGHT (S.F.)	REQUIRED MIN. AIR (5%)	PROPOSED AIR (S.F.)	COMPLIANCE
401	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
402	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
403	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
404	162 S.F.	16.2 S.F.	50 S.F.	8.1 S.F.	13 S.F.	COMPLIES
405	197 S.F.	19.7 S.F.	50 S.F.	9.85 S.F.	13 S.F.	COMPLIES

NOTES:

1. AREA CALCULATION IS BASED ON "HABITABLE ROOM" DEFINITION AND DOES NOT INCLUDE CLOSETS, HALLS, AND BATHROOM.
2. NATURAL LIGHT SHALL BE AT LEAST 10% OF THE "HABITABLE ROOM" AREA (BC-1205.2.1)
3. VENTILATING OPENING (AIR) SHALL BE AT LEAST 5% OF THE "HABITABLE ROOM" AREA (BC-1203.4.1.2.1)

LEGEND

- ROOM NUM. / ROOM TYPE / ROOM NUM. / USE GROUP — DD ROOM, 100sf, R-1
- G24 — PARTITION TYPE
- FE — FIRE EXTINGUISHER
- W5 — WINDOW TYPE
- G1 — DOOR TAG
- UNITS WITH ACCESSIBLE COMMUNICATION FEATURES (REFER TO G-001 FOR NOTES AND ANALYSIS)
- FD — FLOOR DRAIN
- RD — ROOF DRAIN
- AD — AREA DRAIN

EXIT PATHWAY MARKINGS NOTES:
403.16 EXIT PATH MARKINGS. ALL HIGH-RISE BUILDINGS SHALL BE PROVIDED WITH PHOTOLUMINESCENCE EXIT PATH MARKINGS CONFORMING TO SECTION 1026.

CARBON MONOXIDE NOTE:
1) HARDWIRED CARBON MONOXIDE DETECTORS COMPLYING WITH RS 17-13 AND INSTALLED IN ACCORDANCE WITH 17-14 SHALL BE PROVIDED IN EVERY UNIT WITHIN 15 FEET OF THE PRIMARY ENTRANCE TO EACH BED ROOM.

SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

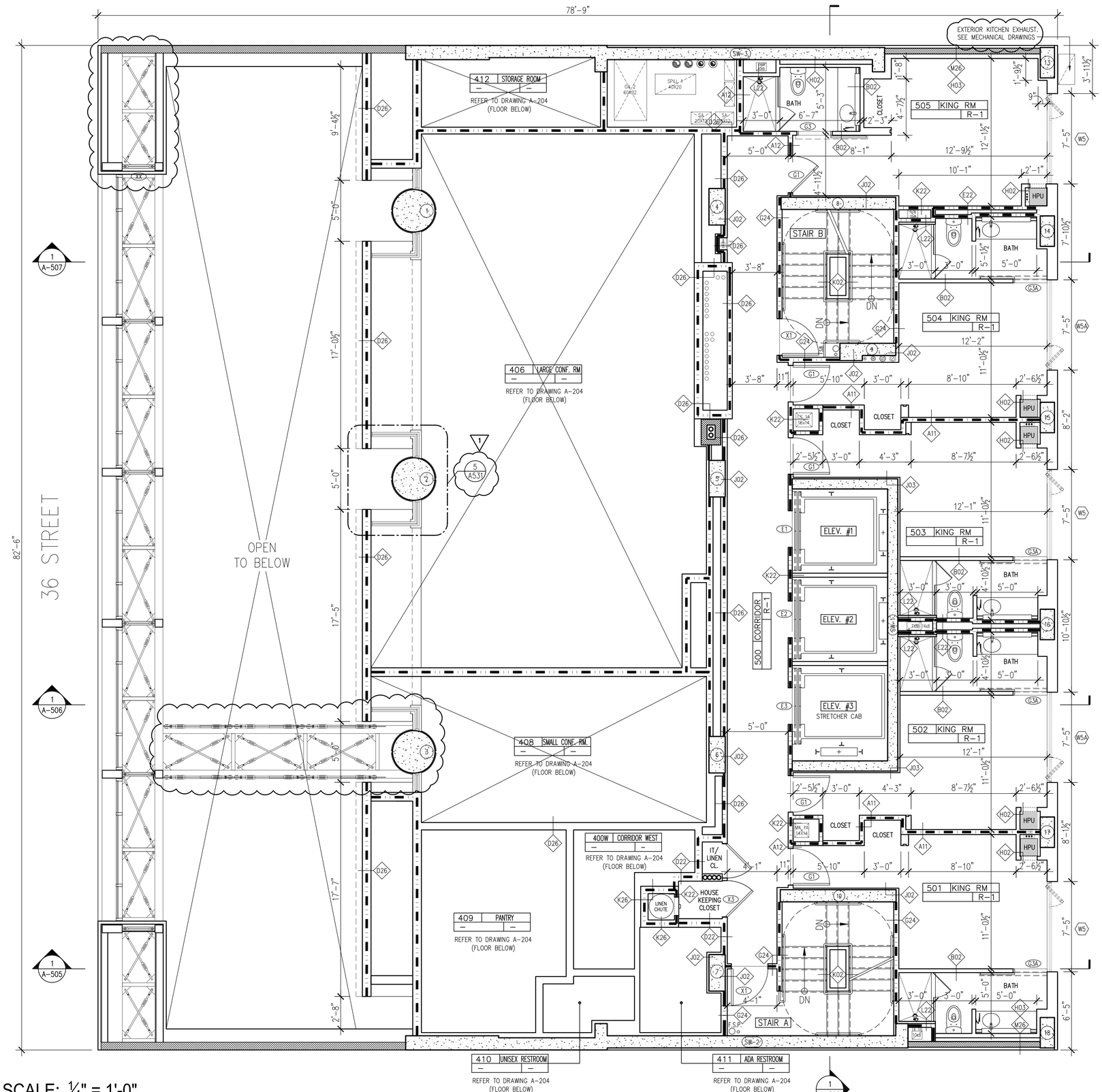
4th
FLOOR PLAN

Drawing Number ## of

A-204.00

DOB B-Scan

21362



SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

LIGHT AND AIR CALCULATION (5TH FLOOR)

GUESTROOM NO.	FLOOR AREA (S.F.)	REQUIRED MIN. LIGHT (10%)	PROPOSED LIGHT (S.F.)	REQUIRED MIN. AIR (5%)	PROPOSED AIR (S.F.)	COMPLIANCE
501	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
502	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
503	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
504	162 S.F.	16.2 S.F.	50 S.F.	8.1 S.F.	13 S.F.	COMPLIES
505	198 S.F.	19.8 S.F.	50 S.F.	9.9 S.F.	13 S.F.	COMPLIES

NOTES:

1. AREA CALCULATION IS BASED ON "HABITABLE ROOM" DEFINITION AND DOES NOT INCLUDE CLOSETS, HALLS, AND BATHROOM.
2. NATURAL LIGHT SHALL BE AT LEAST 10% OF THE "HABITABLE ROOM" AREA (BC-1205.2.1)
3. VENTILATING OPENING (AIR) SHALL BE AT LEAST 5% OF THE "HABITABLE ROOM" AREA (BC-1203.4.1.2.1)

LEGEND

- ROOM NUM. / ####DD ROOM / 100sf / R-1 / ROOM NUM. — ROOM TYPE, USE GROUP
- G24 — PARTITION TYPE
- FE — FIRE EXTINGUISHER
- W5 — WINDOW TYPE
- G1 — DOOR TAG
- UNITS WITH ACCESSIBLE COMMUNICATION FEATURES (REFER TO G-001 FOR NOTES AND ANALYSIS)
- FD — FLOOR DRAIN
- RD — ROOF DRAIN
- AD — AREA DRAIN

EXIT PATHWAY MARKINGS NOTES:
403.16 EXIT PATH MARKINGS. ALL HIGH-RISE BUILDINGS SHALL BE PROVIDED WITH PHOTOLUMINESCENCE EXIT PATH MARKINGS CONFORMING TO SECTION 1026.

CARBON MONOXIDE NOTE:
1) HARDWIRED CARBON MONOXIDE DETECTORS COMPLYING WITH RS 17-13 AND INSTALLED IN ACCORDANCE WITH 17-14 SHALL BE PROVIDED IN EVERY UNIT WITHIN 15 FEET OF THE PRIMARY ENTRANCE TO EACH BED ROOM.

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

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AC 320 HOTEL PARTNERS LLC
NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

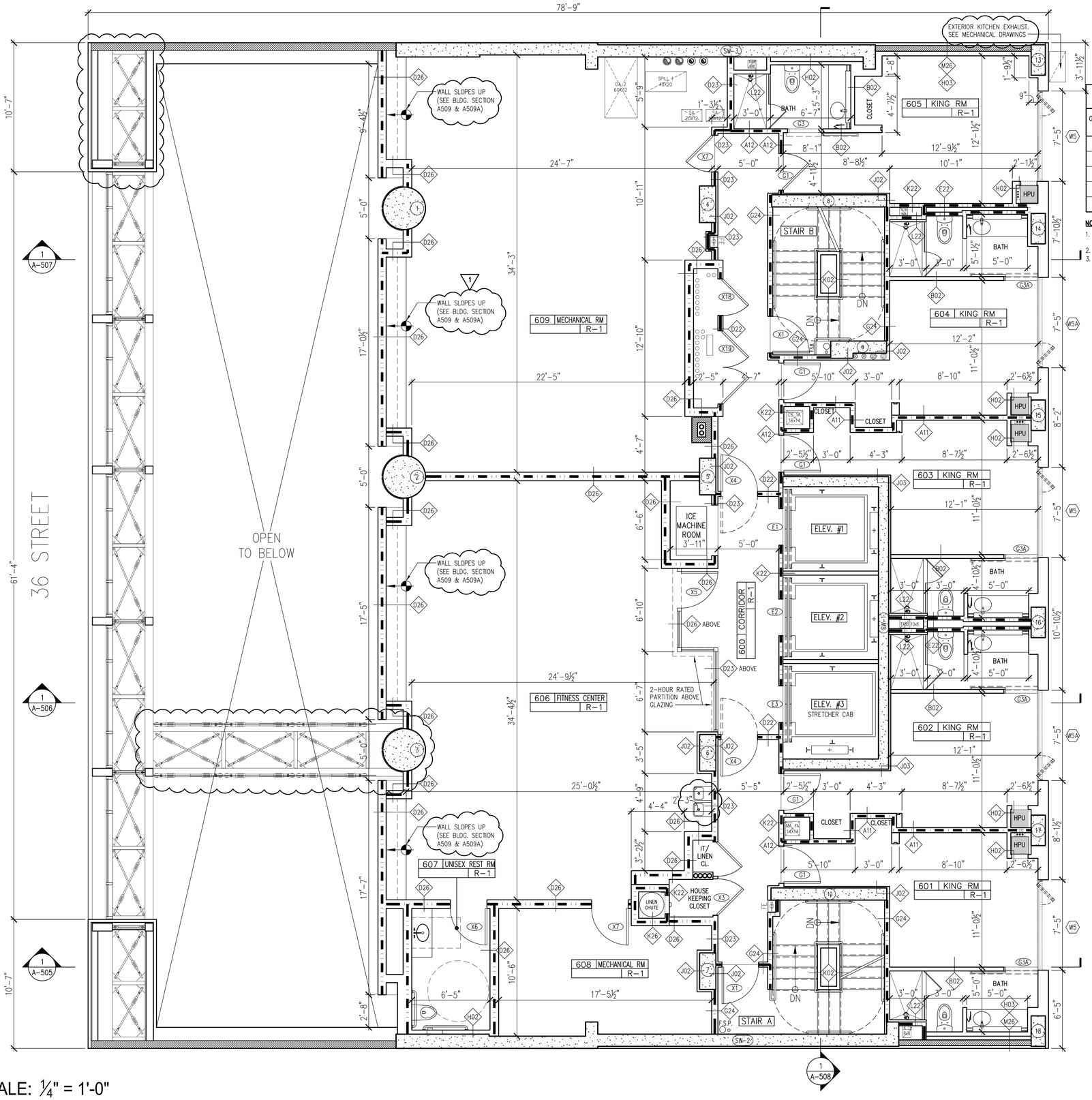
5th FLOOR PLAN

Drawing Number ## of

A-205.00

DOB B-Scan

21362



LIGHT AND AIR CALCULATION (6TH FLOOR)

GUESTROOM NO.	FLOOR AREA (S.F.)	REQUIRED MIN. LIGHT (10%)	PROPOSED LIGHT (S.F.)	REQUIRED MIN. AIR (5%)	PROPOSED AIR (S.F.)	COMPLIANCE
601	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
602	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
603	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
604	162 S.F.	16.2 S.F.	50 S.F.	8.1 S.F.	13 S.F.	COMPLIES
605	198 S.F.	19.8 S.F.	50 S.F.	9.9 S.F.	13 S.F.	COMPLIES

NOTES:

1. AREA CALCULATION IS BASED ON "HABITABLE ROOM" DEFINITION AND DOES NOT INCLUDE CLOSETS, HALLS, AND BATHROOM.
2. NATURAL LIGHT SHALL BE AT LEAST 10% OF THE "HABITABLE ROOM" AREA (BC-1205.2.1)
3. VENTILATING OPENING (AIR) SHALL BE AT LEAST 5% OF THE "HABITABLE ROOM" AREA (BC-1203.4.1.2.1)

LEGEND

- ROOM NUM. / ####DD ROOM 100sf R-1 / ROOM TYPE / ROOM NUM. / USE GROUP
- G24 — PARTITION TYPE
- FE — FIRE EXTINGUISHER
- W5 — WINDOW TYPE
- G1 — DOOR TAG
- UNITS WITH ACCESSIBLE COMMUNICATION FEATURES (REFER TO G-001 FOR NOTES AND ANALYSIS)
- FD — FLOOR DRAIN
- RD — ROOF DRAIN
- AD — AREA DRAIN

EXIT PATHWAY MARKINGS NOTES:
403.16 EXIT PATH MARKINGS. ALL HIGH-RISE BUILDINGS SHALL BE PROVIDED WITH PHOTOLUMINESCENCE EXIT PATH MARKINGS CONFORMING TO SECTION 1026.

CARBON MONOXIDE NOTE:
1) HARDWIRED CARBON MONOXIDE DETECTORS COMPLYING WITH RS 17-13 AND INSTALLED IN ACCORDANCE WITH 17-14 SHALL BE PROVIDED IN EVERY UNIT WITHIN 15 FEET OF THE PRIMARY ENTRANCE TO EACH BED ROOM.

BLOCK: 759 LOT: 55

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

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AC 320 HOTEL PARTNERS LLC
NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

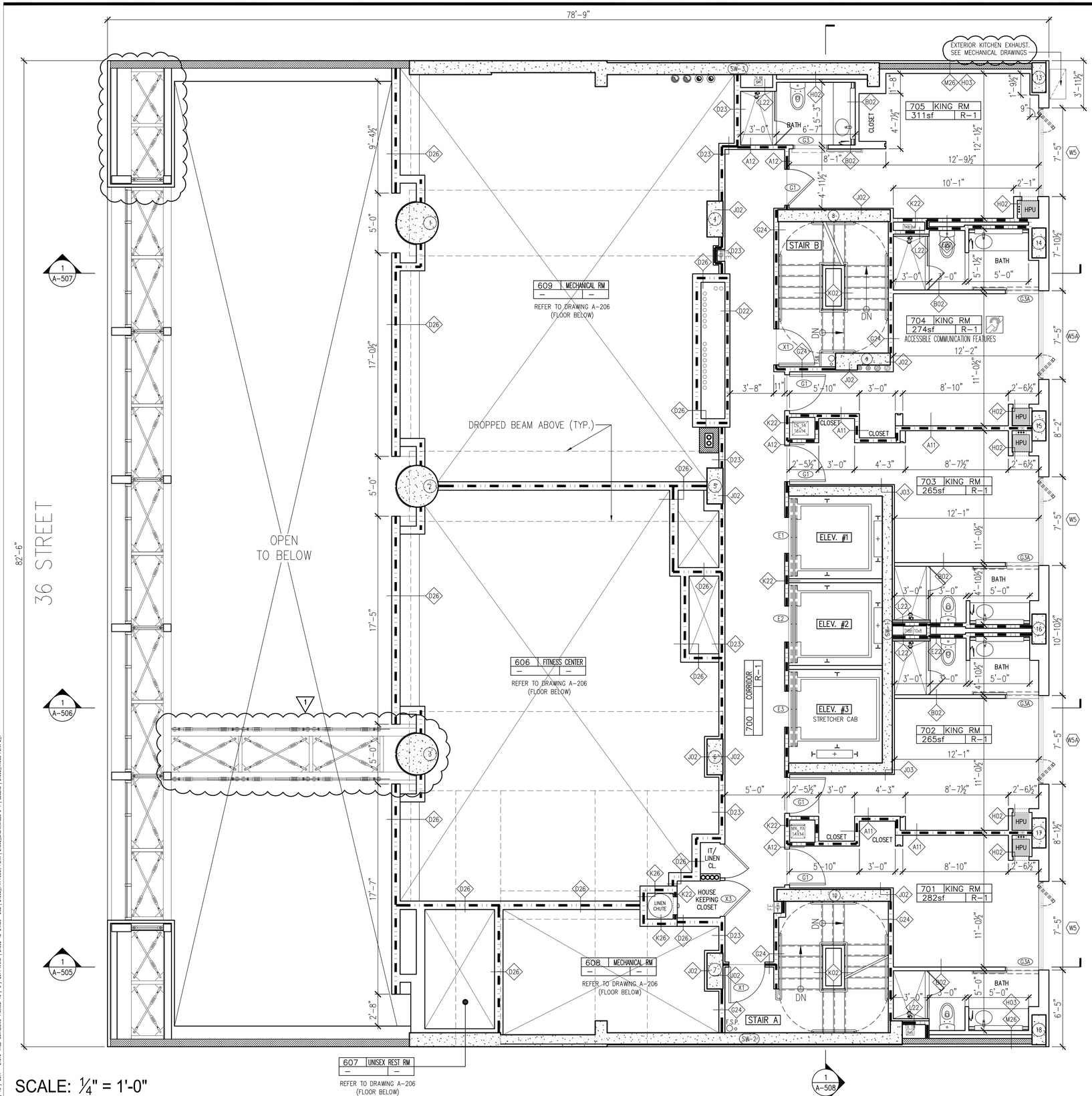
6th FLOOR PLAN

Drawing Number ## of

A-206.00

DOB B-Scan

21362



SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

LIGHT AND AIR CALCULATION (7TH FLOOR)

GUESTROOM NO.	FLOOR AREA (S.F.)	REQUIRED MIN. LIGHT (10%)	PROPOSED LIGHT (S.F.)	REQUIRED MIN. AIR (5%)	PROPOSED AIR (S.F.)	COMPLIANCE
701	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
702	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
703	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
704	162 S.F.	16.2 S.F.	50 S.F.	8.1 S.F.	13 S.F.	COMPLIES
705	197 S.F.	19.7 S.F.	50 S.F.	9.85 S.F.	13 S.F.	COMPLIES

NOTES:

1. AREA CALCULATION IS BASED ON "HABITABLE ROOM" DEFINITION AND DOES NOT INCLUDE CLOSETS, HALLS, AND BATHROOM.
2. NATURAL LIGHT SHALL BE AT LEAST 10% OF THE "HABITABLE ROOM" AREA (BC-1205.2.1)
3. VENTILATING OPENING (AIR) SHALL BE AT LEAST 5% OF THE "HABITABLE ROOM" AREA (BC-1203.4.1.2.1)

LEGEND

- ROOM NUM. / ####DD ROOM / 100sf | R-1 / ROOM NUM. — ROOM TYPE, USE GROUP
- G24 — PARTITION TYPE
- FE — FIRE EXTINGUISHER
- W5 — WINDOW TYPE
- G1 — DOOR TAG
- UNITS WITH ACCESSIBLE COMMUNICATION FEATURES (REFER TO G-001 FOR NOTES AND ANALYSIS)
- FD — FLOOR DRAIN
- RD — ROOF DRAIN
- AD — AREA DRAIN

EXIT PATHWAY MARKINGS NOTES:
403.16 EXIT PATH MARKINGS. ALL HIGH-RISE BUILDINGS SHALL BE PROVIDED WITH PHOTOLUMINESCENCE EXIT PATH MARKINGS CONFORMING TO SECTION 1026.

CARBON MONOXIDE NOTE:
1) HARDWIRED CARBON MONOXIDE DETECTORS COMPLYING WITH RS 17-13 AND INSTALLED IN ACCORDANCE WITH 17-14 SHALL BE PROVIDED IN EVERY UNIT WITHIN 15 FEET OF THE PRIMARY ENTRANCE TO EACH BED ROOM.

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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Seal

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AC 320 HOTEL PARTNERS LLC
NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

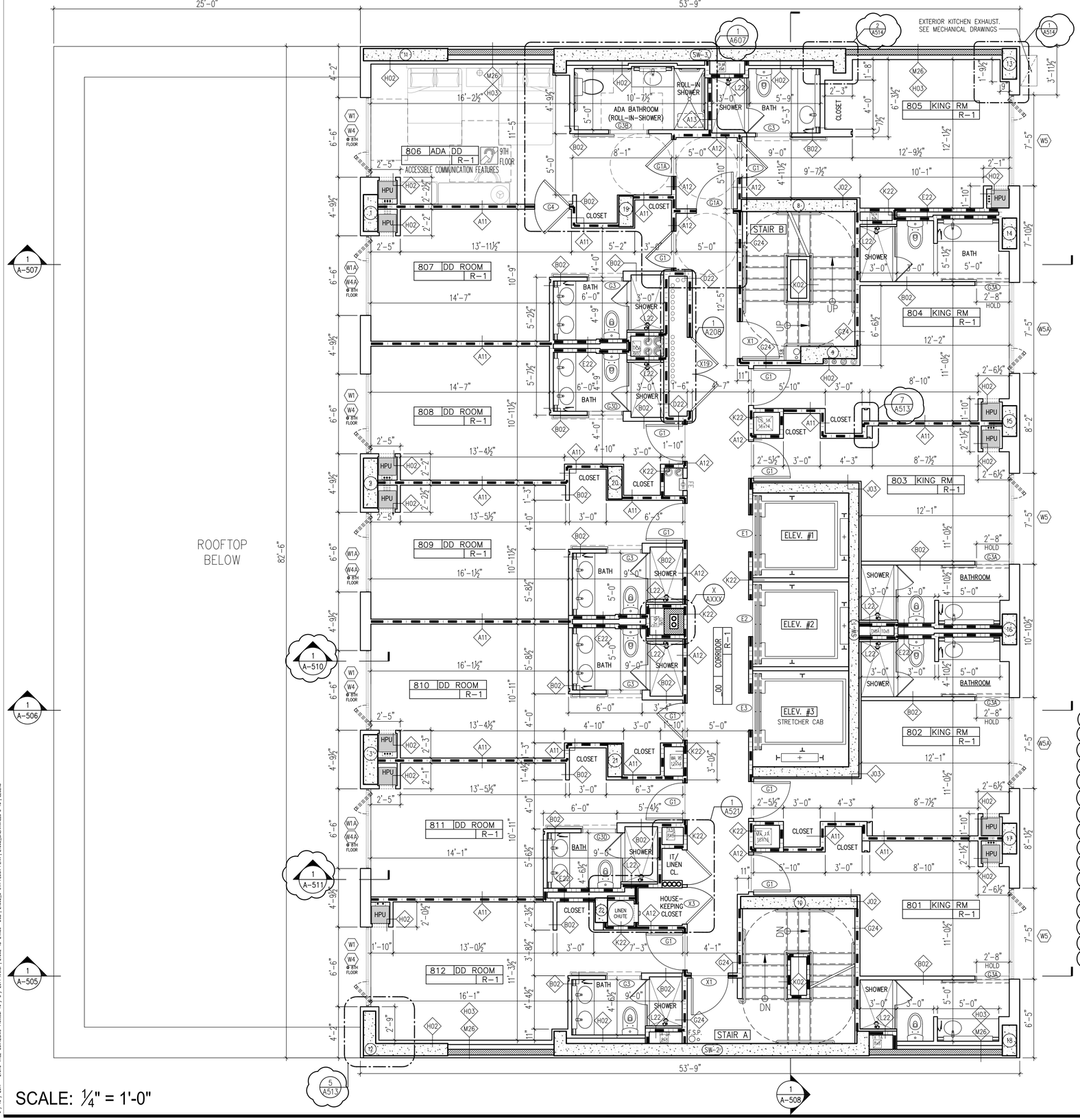
7th
FLOOR PLAN

Drawing Number ## of

A-207.00

DOB B-Scan

21362

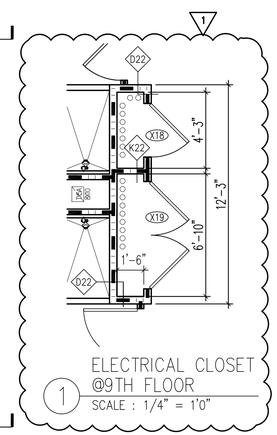


LIGHT AND AIR CALCULATION (8TH FLOOR)						
GUESTROOM NO.	FLOOR AREA (S.F.)	REQUIRED MIN. LIGHT (10%)	PROPOSED LIGHT (S.F.)	REQUIRED MIN. AIR (5%)	PROPOSED AIR (S.F.)	COMPLIANCE
801	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
802	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
803	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
804	162 S.F.	16.2 S.F.	50 S.F.	8.1 S.F.	13 S.F.	COMPLIES
805	198 S.F.	19.8 S.F.	50 S.F.	9.9 S.F.	13 S.F.	COMPLIES
806	221 S.F.	22.1 S.F.	20 S.F.	11.05 S.F.	6 S.F.	COMPLIES
807	191 S.F.	19.1 S.F.	20 S.F.	9.55 S.F.	6 S.F.	COMPLIES
808	197 S.F.	19.7 S.F.	20 S.F.	9.85 S.F.	6 S.F.	COMPLIES
809	212 S.F.	21.2 S.F.	20 S.F.	10.6 S.F.	6 S.F.	COMPLIES
810	207 S.F.	20.7 S.F.	20 S.F.	10.35 S.F.	6 S.F.	COMPLIES
811	151 S.F.	15.1 S.F.	20 S.F.	7.55 S.F.	6 S.F.	COMPLIES
812	164 S.F.	16.4 S.F.	20 S.F.	8.2 S.F.	6 S.F.	COMPLIES

LIGHT AND AIR CALCULATION (9TH FLOOR)						
GUESTROOM NO.	FLOOR AREA (S.F.)	REQUIRED MIN. LIGHT (10%)	PROPOSED LIGHT (S.F.)	REQUIRED MIN. AIR (5%)	PROPOSED AIR (S.F.)	COMPLIANCE
901	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
902	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
903	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
904	162 S.F.	16.2 S.F.	50 S.F.	8.1 S.F.	13 S.F.	COMPLIES
905	198 S.F.	19.8 S.F.	50 S.F.	9.9 S.F.	13 S.F.	COMPLIES
906	221 S.F.	22.1 S.F.	42 S.F.	11.05 S.F.	13 S.F.	COMPLIES
907	191 S.F.	19.1 S.F.	42 S.F.	9.55 S.F.	13 S.F.	COMPLIES
908	197 S.F.	19.7 S.F.	42 S.F.	9.85 S.F.	13 S.F.	COMPLIES
909	212 S.F.	21.2 S.F.	42 S.F.	10.6 S.F.	13 S.F.	COMPLIES
910	207 S.F.	20.7 S.F.	42 S.F.	10.35 S.F.	13 S.F.	COMPLIES
911	151 S.F.	15.1 S.F.	42 S.F.	7.55 S.F.	13 S.F.	COMPLIES
912	164 S.F.	16.4 S.F.	42 S.F.	8.2 S.F.	13 S.F.	COMPLIES

NOTES:

1. AREA CALCULATION IS BASED ON "HABITABLE ROOM" DEFINITION AND DOES NOT INCLUDE CLOSETS, HALLS, AND BATHROOM.
2. NATURAL LIGHT SHALL BE AT LEAST 10% OF THE "HABITABLE ROOM" AREA (BC-1205.2.1)
3. VENTILATING OPENING (AIR) SHALL BE AT LEAST 5% OF THE "HABITABLE ROOM" AREA (BC-1203.4.1.2.1)



LEGEND

- ROOM NUM. / ROOM TYPE / ROOM NUM. / USE GROUP — ####DD ROOM 100sf R-1
- PARTITION TYPE
- FIRE EXTINGUISHER
- WINDOW TYPE
- DOOR TAG
- UNITS WITH ACCESSIBLE COMMUNICATION FEATURES (REFER TO G-001 FOR NOTES AND ANALYSIS)
- FD FLOOR DRAIN
- RD ROOF DRAIN
- AD AREA DRAIN

EXIT PATHWAY MARKINGS NOTES:
403.16 EXIT PATH MARKINGS. ALL HIGH-RISE BUILDINGS SHALL BE PROVIDED WITH PHOTOLUMINESCENCE EXIT PATH MARKINGS CONFORMING TO SECTION 1026.

CARBON MONOXIDE NOTE:
1) HARDWIRED CARBON MONOXIDE DETECTORS COMPLYING WITH RS 17-13 AND INSTALLED IN ACCORDANCE WITH 17-14 SHALL BE PROVIDED IN EVERY UNIT WITHIN 15 FEET OF THE PRIMARY ENTRANCE TO EACH BED ROOM.

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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Seal

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AC 320 HOTEL PARTNERS LLC
NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

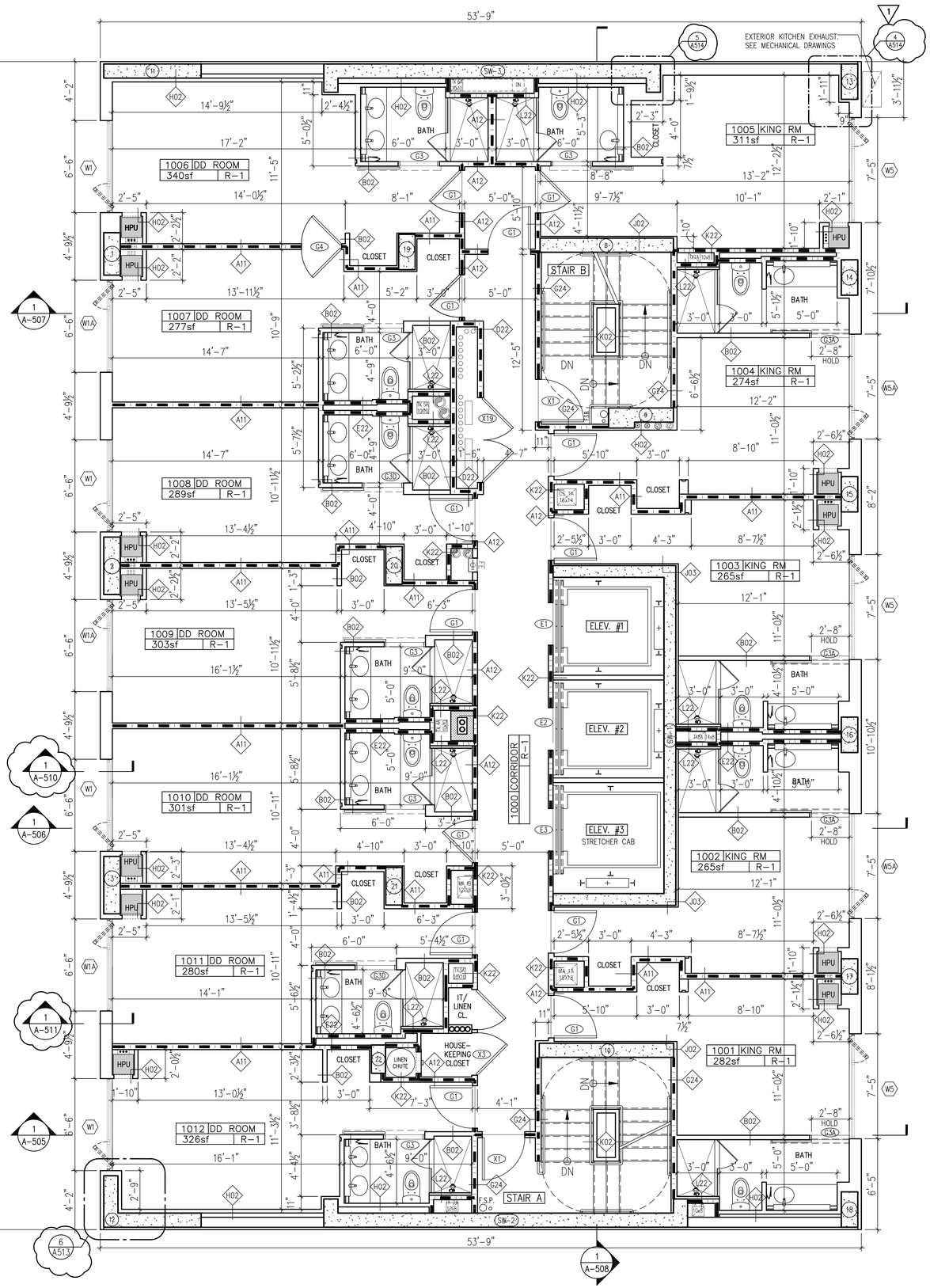
8th-9th FLOOR PLAN ADA ROLL-IN-SHOWER

Drawing Number ## of

A-208.00

DOB B-Scan

21362



SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

LIGHT AND AIR CALCULATION (10TH FLOOR)

GUESTROOM NO.	FLOOR AREA (S.F.)	REQUIRED MIN. LIGHT (10%)	PROPOSED LIGHT (S.F.)	REQUIRED MIN. AIR (5%)	PROPOSED AIR (S.F.)	COMPLIANCE
1001	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
1002	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
1003	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
1004	162 S.F.	16.2 S.F.	50 S.F.	8.1 S.F.	13 S.F.	COMPLIES
1005	198 S.F.	19.8 S.F.	50 S.F.	9.9 S.F.	13 S.F.	COMPLIES
1006	226 S.F.	22.6 S.F.	42 S.F.	11.3 S.F.	13 S.F.	COMPLIES
1007	191 S.F.	19.1 S.F.	42 S.F.	9.55 S.F.	13 S.F.	COMPLIES
1008	197 S.F.	19.7 S.F.	42 S.F.	9.85 S.F.	13 S.F.	COMPLIES
1009	212 S.F.	21.2 S.F.	42 S.F.	10.6 S.F.	13 S.F.	COMPLIES
1010	207 S.F.	20.7 S.F.	42 S.F.	10.35 S.F.	13 S.F.	COMPLIES
1011	151 S.F.	15.1 S.F.	42 S.F.	7.55 S.F.	13 S.F.	COMPLIES
1012	164 S.F.	16.4 S.F.	42 S.F.	8.2 S.F.	13 S.F.	COMPLIES

NOTES:

1. AREA CALCULATION IS BASED ON "HABITABLE ROOM" DEFINITION AND DOES NOT INCLUDE CLOSETS, HALLS, AND BATHROOM.
2. NATURAL LIGHT SHALL BE AT LEAST 10% OF THE "HABITABLE ROOM" AREA (BC-1205.2.1)
3. VENTILATING OPENING (AIR) SHALL BE AT LEAST 5% OF THE "HABITABLE ROOM" AREA (BC-1203.4.1.2.1)

LEGEND

- ROOM NUM. / ####|DD ROOM / 100sf|R-1 / ROOM NUM. — ROOM TYPE / USE GROUP
- (G24) PARTITION TYPE
- FE (G3) FIRE EXTINGUISHER
- (W5) WINDOW TYPE
- (G1) DOOR TAG
- UNITS WITH ACCESSIBLE COMMUNICATION FEATURES (REFER TO G-001 FOR NOTES AND ANALYSIS)
- FD FLOOR DRAIN
- RD ROOF DRAIN
- AD AREA DRAIN

EXIT PATHWAY MARKINGS NOTES:
403.16 EXIT PATH MARKINGS. ALL HIGH-RISE BUILDINGS SHALL BE PROVIDED WITH PHOTOLUMINESCENCE EXIT PATH MARKINGS CONFORMING TO SECTION 1026.

CARBON MONOXIDE NOTE:
1) HARDWIRED CARBON MONOXIDE DETECTORS COMPLYING WITH RS 17-13 AND INSTALLED IN ACCORDANCE WITH 17-14 SHALL BE PROVIDED IN EVERY UNIT WITHIN 15 FEET OF THE PRIMARY ENTRANCE TO EACH BED ROOM.

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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Seal

Project

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NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

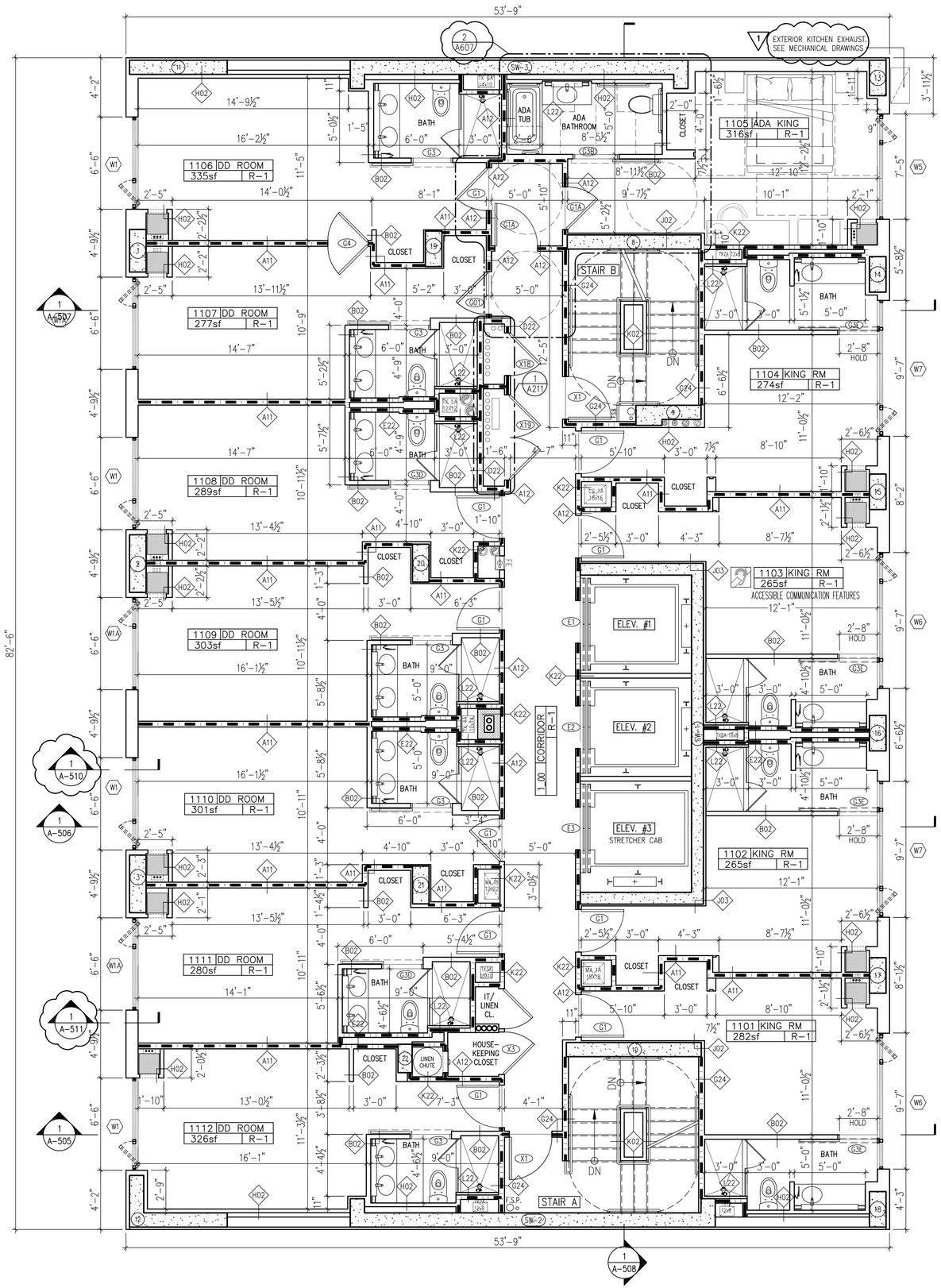
10th
FLOOR PLAN

Drawing Number ## of

A-210.00

DOB B-Scan

21362



SCALE: ¼" = 1'-0"

LIGHT AND AIR CALCULATION (11TH TO 12TH FLOOR)

GUESTROOM NO.	FLOOR AREA (S.F.)	REQUIRED MIN. LIGHT (10%)	PROPOSED LIGHT (S.F.)	REQUIRED MIN. AIR (5%)	PROPOSED AIR (S.F.)	COMPLIANCE
1_01	159 S.F.	15.9 S.F.	62 S.F.	7.95 S.F.	26 S.F.	COMPLIES
1_02	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
1_03	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
1_04	162 S.F.	16.2 S.F.	50 S.F.	8.1 S.F.	13 S.F.	COMPLIES
1_05	195 S.F.	19.5 S.F.	50 S.F.	9.75 S.F.	13 S.F.	COMPLIES
1_06	222 S.F.	22.2 S.F.	42 S.F.	11.1 S.F.	13 S.F.	COMPLIES
1_07	191 S.F.	19.1 S.F.	42 S.F.	9.55 S.F.	13 S.F.	COMPLIES
1_08	197 S.F.	19.7 S.F.	42 S.F.	9.85 S.F.	13 S.F.	COMPLIES
1_09	212 S.F.	21.2 S.F.	42 S.F.	10.6 S.F.	13 S.F.	COMPLIES
1_10	207 S.F.	20.7 S.F.	42 S.F.	10.35 S.F.	13 S.F.	COMPLIES
1_11	151 S.F.	15.1 S.F.	42 S.F.	7.55 S.F.	13 S.F.	COMPLIES
1_12	164 S.F.	16.4 S.F.	42 S.F.	8.2 S.F.	13 S.F.	COMPLIES

NOTES:

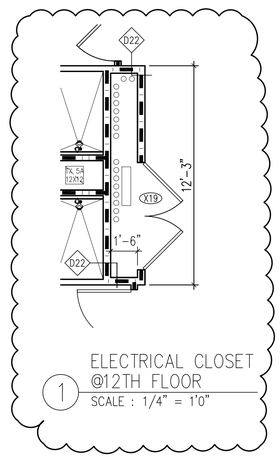
1. AREA CALCULATION IS BASED ON "HABITABLE ROOM" DEFINITION AND DOES NOT INCLUDE CLOSETS, HALLS, AND BATHROOM.
2. NATURAL LIGHT SHALL BE AT LEAST 10% OF THE "HABITABLE ROOM" AREA (BC-1205.2.1)
3. VENTILATING OPENING (AIR) SHALL BE AT LEAST 5% OF THE "HABITABLE ROOM" AREA (BC-1203.4.1.2.1)

LEGEND

- ROOM NUM. / ROOM TYPE — ####DD ROOM 100sf R-1 — ROOM NUM. / USE GROUP
- PARTITION TYPE
- FIRE EXTINGUISHER
- WINDOW TYPE
- DOOR TAG
- UNITS WITH ACCESSIBLE COMMUNICATION FEATURES (REFER TO G-001 FOR NOTES AND ANALYSIS)
- FD — FLOOR DRAIN
- RD — ROOF DRAIN
- AD — AREA DRAIN

EXIT PATHWAY MARKINGS NOTES:
403.16 EXIT PATH MARKINGS. ALL HIGH-RISE BUILDINGS SHALL BE PROVIDED WITH PHOTOLUMINESCENCE EXIT PATH MARKINGS CONFORMING TO SECTION 1026.

CARBON MONOXIDE NOTE:
1) HARDWIRED CARBON MONOXIDE DETECTORS COMPLYING WITH RS 17-13 AND INSTALLED IN ACCORDANCE WITH 17-14 SHALL BE PROVIDED IN EVERY UNIT WITHIN 15 FEET OF THE PRIMARY ENTRANCE TO EACH BED ROOM.



1 ELECTRICAL CLOSET @12TH FLOOR
SCALE : 1/4" = 1'0"

BLOCK: 759 LOT: 55

6 / 13 / 2011 20173-TITLE-30X42.DWG Plotted: 10 / 8 / 2014 Wed | 21362-19-24X36 - ORB | LICENSE | 21362_11-13th FLOOR PLAN | 21362_SHEARWALLS 8-15

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

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Seal

Project

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NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

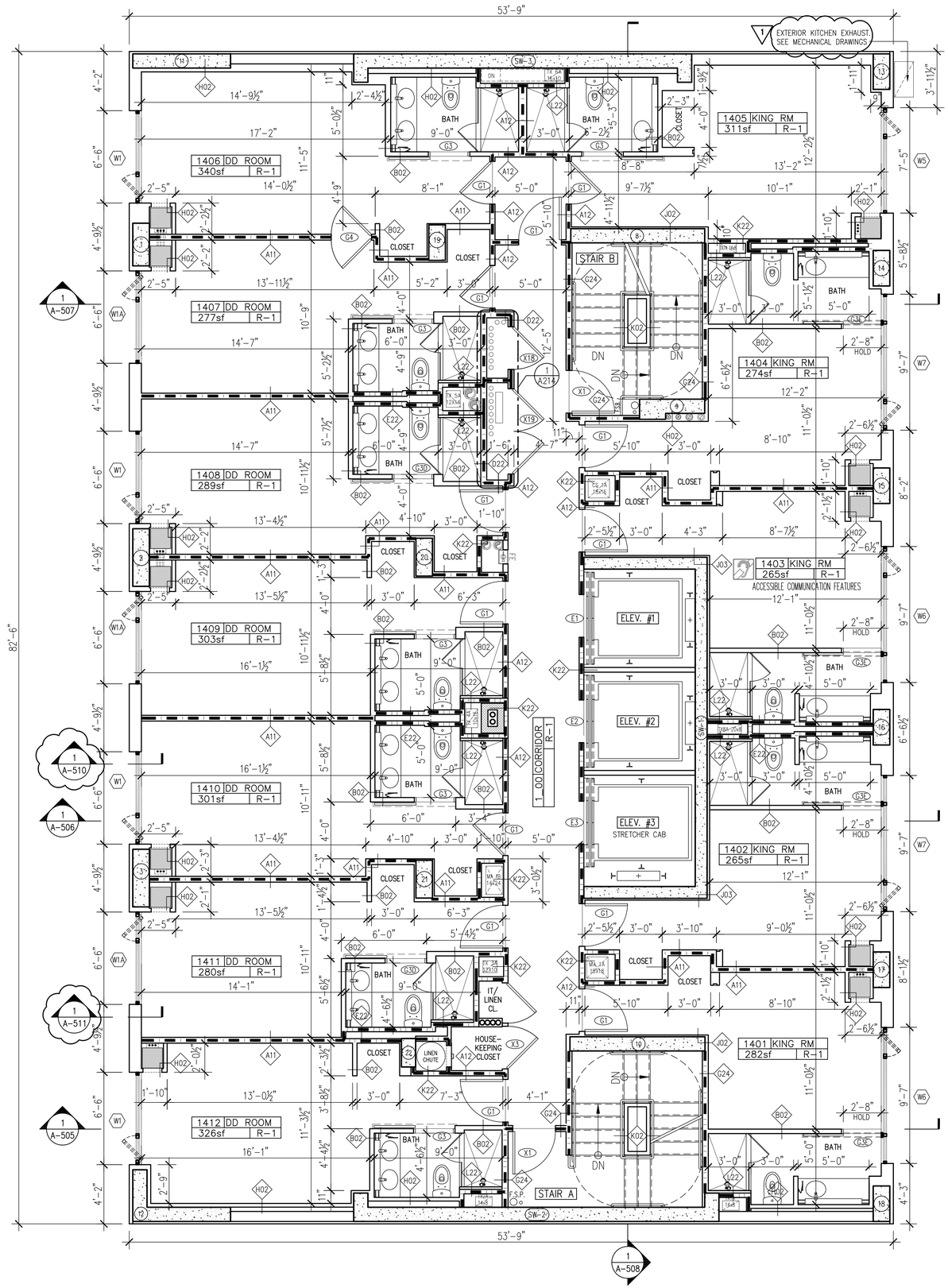
11th - 13th FLOOR PLAN ADA TUB

Drawing Number ## of

A-211.00

DOB B-Scan

21362



SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

LIGHT AND AIR CALCULATION (13TH FLOOR)

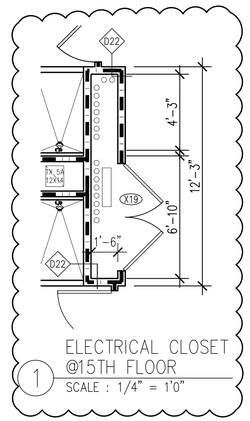
GUESTROOM NO.	FLOOR AREA (S.F.)	REQUIRED MIN. LIGHT (10%)	PROPOSED LIGHT (S.F.)	REQUIRED MIN. AIR (5%)	PROPOSED AIR (S.F.)	COMPLIANCE
1_01	159 S.F.	15.9 S.F.	62 S.F.	7.95 S.F.	26 S.F.	COMPLIES
1_02	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
1_03	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
1_04	162 S.F.	16.2 S.F.	50 S.F.	8.1 S.F.	13 S.F.	COMPLIES
1_05	198 S.F.	19.8 S.F.	50 S.F.	9.9 S.F.	13 S.F.	COMPLIES
1_06	226 S.F.	22.6 S.F.	42 S.F.	11.3 S.F.	13 S.F.	COMPLIES
1_07	191 S.F.	19.1 S.F.	42 S.F.	9.55 S.F.	13 S.F.	COMPLIES
1_08	197 S.F.	19.7 S.F.	42 S.F.	9.85 S.F.	13 S.F.	COMPLIES
1_09	212 S.F.	21.2 S.F.	42 S.F.	10.6 S.F.	13 S.F.	COMPLIES
1_10	207 S.F.	20.7 S.F.	42 S.F.	10.35 S.F.	13 S.F.	COMPLIES
1_11	151 S.F.	15.1 S.F.	42 S.F.	7.55 S.F.	13 S.F.	COMPLIES
1_12	164 S.F.	16.4 S.F.	42 S.F.	8.2 S.F.	13 S.F.	COMPLIES

LIGHT AND AIR CALCULATION (13TH TO 14TH to 15TH FLOOR)

GUESTROOM NO.	FLOOR AREA (S.F.)	REQUIRED MIN. LIGHT (10%)	PROPOSED LIGHT (S.F.)	REQUIRED MIN. AIR (5%)	PROPOSED AIR (S.F.)	COMPLIANCE
1_01	159 S.F.	15.9 S.F.	62 S.F.	7.95 S.F.	26 S.F.	COMPLIES
1_02	159 S.F.	15.9 S.F.	62 S.F.	7.95 S.F.	26 S.F.	COMPLIES
1_03	159 S.F.	15.9 S.F.	50 S.F.	7.95 S.F.	13 S.F.	COMPLIES
1_04	162 S.F.	16.2 S.F.	62 S.F.	8.1 S.F.	26 S.F.	COMPLIES
1_05	198 S.F.	19.8 S.F.	50 S.F.	9.9 S.F.	13 S.F.	COMPLIES
1_06	226 S.F.	22.6 S.F.	42 S.F.	11.3 S.F.	13 S.F.	COMPLIES
1_07	191 S.F.	19.1 S.F.	42 S.F.	9.55 S.F.	13 S.F.	COMPLIES
1_08	197 S.F.	19.7 S.F.	42 S.F.	9.85 S.F.	13 S.F.	COMPLIES
1_09	212 S.F.	21.2 S.F.	42 S.F.	10.6 S.F.	13 S.F.	COMPLIES
1_10	207 S.F.	20.7 S.F.	42 S.F.	10.35 S.F.	13 S.F.	COMPLIES
1_11	151 S.F.	15.1 S.F.	42 S.F.	7.55 S.F.	13 S.F.	COMPLIES
1_12	164 S.F.	16.4 S.F.	42 S.F.	8.2 S.F.	13 S.F.	COMPLIES

NOTES:

1. AREA CALCULATION IS BASED ON "HABITABLE ROOM" DEFINITION AND DOES NOT INCLUDE CLOSETS, HALLS, AND BATHROOM.
2. NATURAL LIGHT SHALL BE AT LEAST 10% OF THE "HABITABLE ROOM" AREA (BC-1205.2.1)
3. VENTILATING OPENING (AIR) SHALL BE AT LEAST 5% OF THE "HABITABLE ROOM" AREA (BC-1203.4.1.2.1)



1 ELECTRICAL CLOSET @15TH FLOOR
SCALE : 1/4" = 1'0"

LEGEND

- ROOM NUM. / ROOM TYPE: ##### DD ROOM, 100sf, R-1
- ROOM NUM. / USE GROUP
- G24 — PARTITION TYPE
- FE — FIRE EXTINGUISHER
- W5 — WINDOW TYPE
- G1 — DOOR TAG
- UNITS WITH ACCESSIBLE COMMUNICATION FEATURES (REFER TO G-001 FOR NOTES AND ANALYSIS)
- FD — FLOOR DRAIN
- RD — ROOF DRAIN
- AD — AREA DRAIN

EXIT PATHWAY MARKINGS NOTES:
403.16 EXIT PATH MARKINGS. ALL HIGH-RISE BUILDINGS SHALL BE PROVIDED WITH PHOTOLUMINESCENCE EXIT PATH MARKINGS CONFORMING TO SECTION 1026.

CARBON MONOXIDE NOTE:
1) HARDWIRED CARBON MONOXIDE DETECTORS COMPLYING WITH RS 17-13 AND INSTALLED IN ACCORDANCE WITH 17-14 SHALL BE PROVIDED IN EVERY UNIT WITHIN 15 FEET OF THE PRIMARY ENTRANCE TO EACH BED ROOM.

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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Seal

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NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

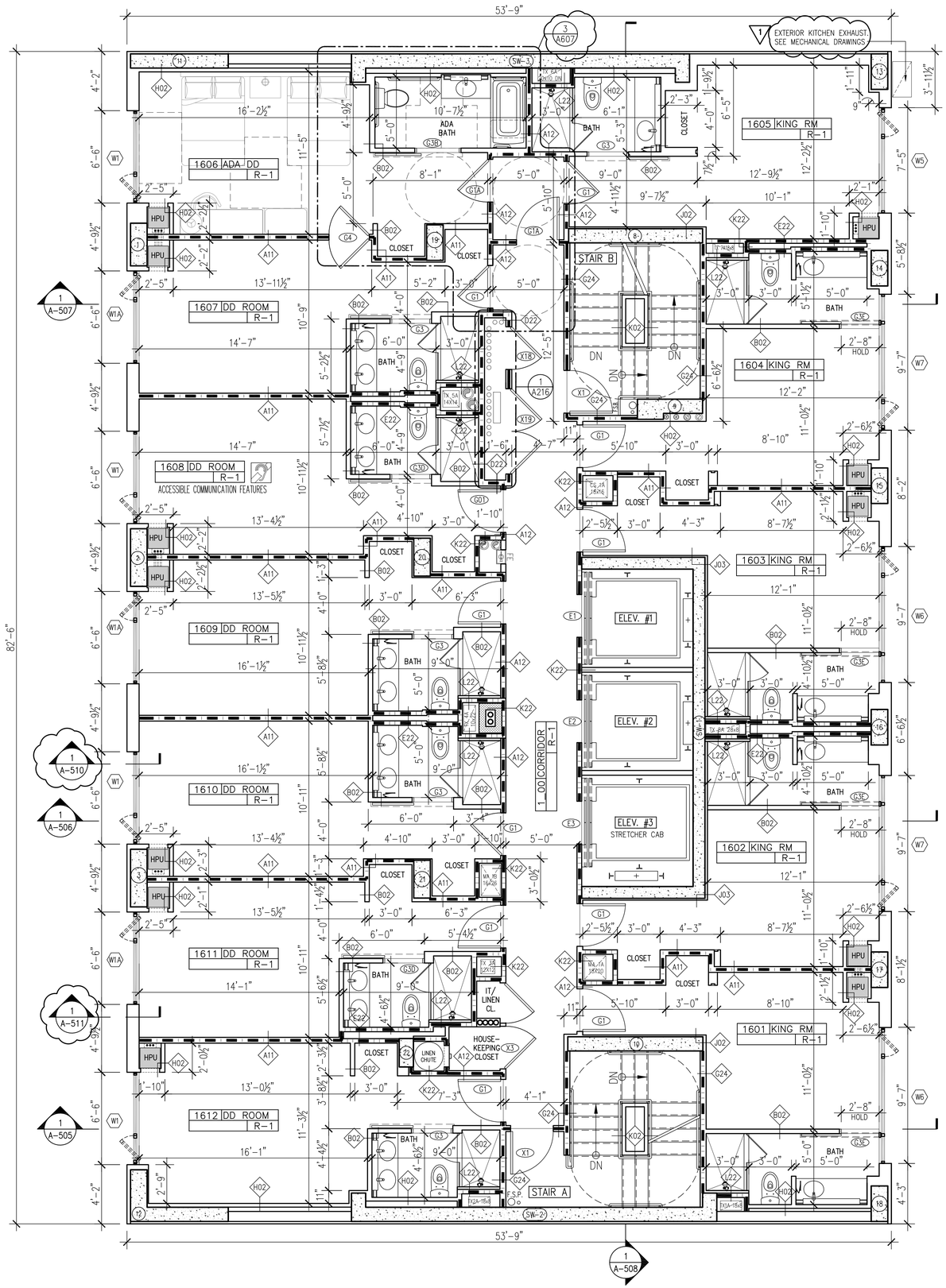
14th -15th
FLOOR PLAN

Drawing Number ## of

A-214.00

DOB B-Scan

21362



LIGHT AND AIR CALCULATION (16TH TO 18TH FLOOR)

GUESTROOM NO.	FLOOR AREA (S.F.)	REQUIRED MIN. LIGHT (10%)	PROPOSED LIGHT (S.F.)	REQUIRED MIN. AIR (5%)	PROPOSED AIR (S.F.)	COMPLIANCE
1_01	159 S.F.	15.9 S.F.	62 S.F.	7.95 S.F.	26 S.F.	COMPLIES
1_02	159 S.F.	15.9 S.F.	62 S.F.	7.95 S.F.	26 S.F.	COMPLIES
1_03	159 S.F.	15.9 S.F.	62 S.F.	7.95 S.F.	26 S.F.	COMPLIES
1_04	162 S.F.	16.2 S.F.	62 S.F.	8.1 S.F.	26 S.F.	COMPLIES
1_05	197 S.F.	19.7 S.F.	50 S.F.	9.85 S.F.	13 S.F.	COMPLIES
1_06	220 S.F.	22 S.F.	42 S.F.	11 S.F.	13 S.F.	COMPLIES
1_07	191 S.F.	19.1 S.F.	42 S.F.	9.55 S.F.	13 S.F.	COMPLIES
1_08	197 S.F.	19.7 S.F.	42 S.F.	9.85 S.F.	13 S.F.	COMPLIES
1_09	212 S.F.	21.2 S.F.	42 S.F.	10.6 S.F.	13 S.F.	COMPLIES
1_10	207 S.F.	20.7 S.F.	42 S.F.	10.35 S.F.	13 S.F.	COMPLIES
1_11	151 S.F.	15.1 S.F.	42 S.F.	7.55 S.F.	13 S.F.	COMPLIES
1_12	164 S.F.	16.4 S.F.	42 S.F.	8.2 S.F.	13 S.F.	COMPLIES

NOTES:

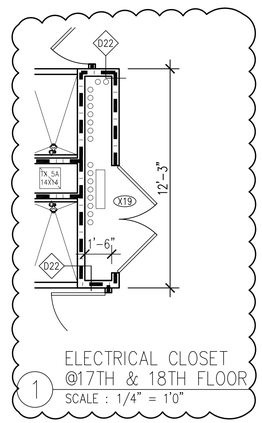
1. AREA CALCULATION IS BASED ON "HABITABLE ROOM" DEFINITION AND DOES NOT INCLUDE CLOSETS, HALLS, AND BATHROOM.
2. NATURAL LIGHT SHALL BE AT LEAST 10% OF THE "HABITABLE ROOM" AREA (BC-1205.2.1)
3. VENTILATING OPENING (AIR) SHALL BE AT LEAST 5% OF THE "HABITABLE ROOM" AREA (BC-1203.4.1.2.1)

LEGEND

- ROOM NUM. / ROOM TYPE — ####|DD ROOM, 100sf, R-1
- ROOM NUM. / USE GROUP
- PARTITION TYPE
- FIRE EXTINGUISHER
- WINDOW TYPE
- DOOR TAG
- UNITS WITH ACCESSIBLE COMMUNICATION FEATURES (REFER TO G-001 FOR NOTES AND ANALYSIS)
- FD FLOOR DRAIN
- RD ROOF DRAIN
- AD AREA DRAIN

EXIT PATHWAY MARKINGS NOTES:
403.16 EXIT PATH MARKINGS. ALL HIGH-RISE BUILDINGS SHALL BE PROVIDED WITH PHOTOLUMINESCENCE EXIT PATH MARKINGS CONFORMING TO SECTION 1026.

CARBON MONOXIDE NOTE:
1) HARDWIRED CARBON MONOXIDE DETECTORS COMPLYING WITH RS 17-13 AND INSTALLED IN ACCORDANCE WITH 17-14 SHALL BE PROVIDED IN EVERY UNIT WITHIN 15 FEET OF THE PRIMARY ENTRANCE TO EACH BED ROOM.



ELECTRICAL CLOSET @17TH & 18TH FLOOR
1 SCALE : 1/4" = 1'0"

BLOCK: 759 LOT: 55

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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Seal

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NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

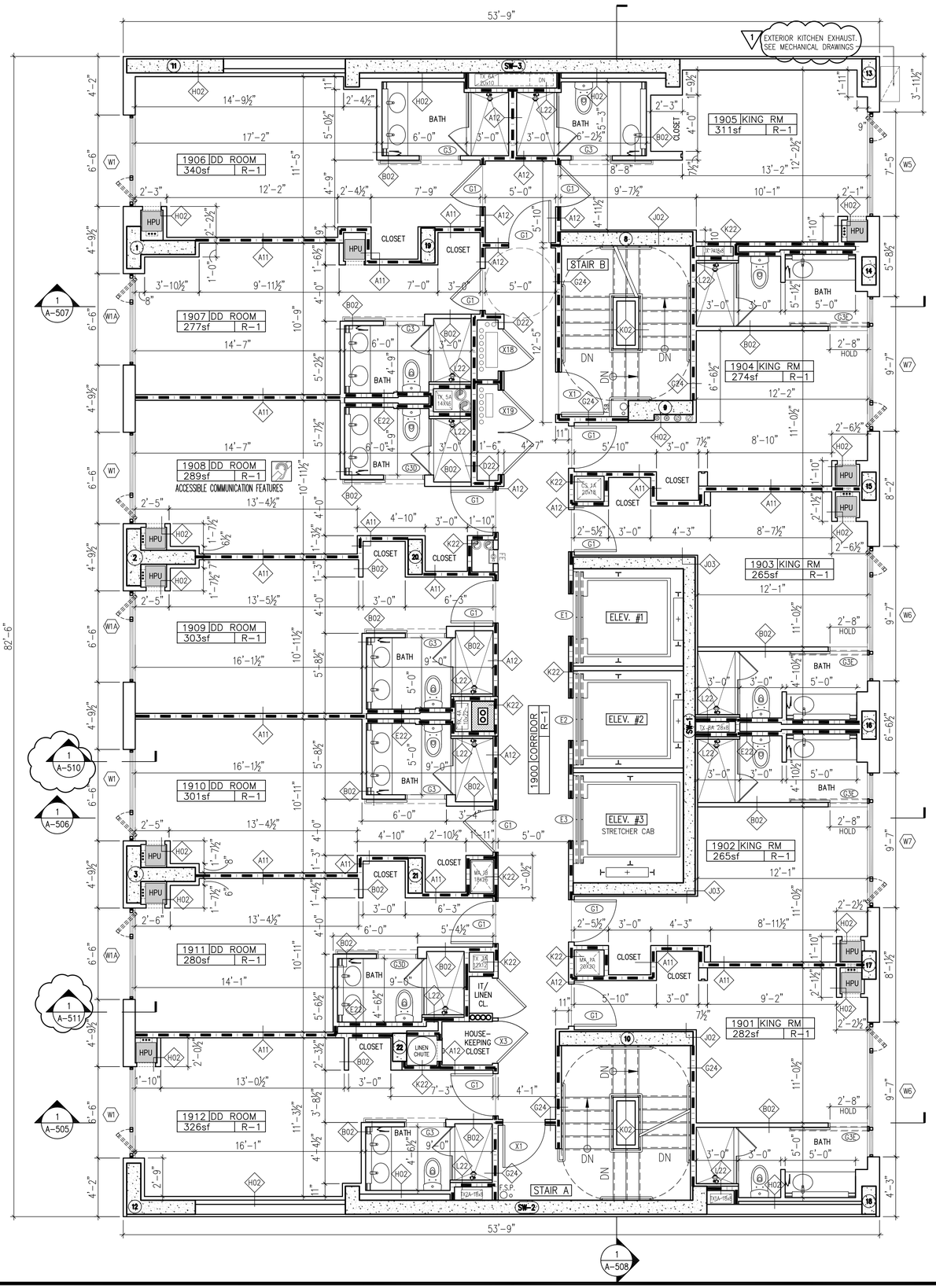
16th - 18th FLOOR PLAN ADA TUB

Drawing Number ## of

A-216.00

DOB B-Scan

21362



LIGHT AND AIR CALCULATION (19TH FLOOR)						
GUESTROOM NO.	FLOOR AREA (S.F.)	REQUIRED MIN. LIGHT (10%)	PROPOSED LIGHT (S.F.)	REQUIRED MIN. AIR (5%)	PROPOSED AIR (S.F.)	COMPLIANCE
1901	160 S.F.	16 S.F.	62 S.F.	8 S.F.	26 S.F.	COMPLIES
1902	160 S.F.	16 S.F.	62 S.F.	8 S.F.	26 S.F.	COMPLIES
1903	159 S.F.	15.9 S.F.	62 S.F.	7.95 S.F.	26 S.F.	COMPLIES
1904	162 S.F.	16.2 S.F.	62 S.F.	8.1 S.F.	26 S.F.	COMPLIES
1905	198 S.F.	19.8 S.F.	50 S.F.	9.9 S.F.	13 S.F.	COMPLIES
1906	223 S.F.	22.3 S.F.	42 S.F.	11.15 S.F.	13 S.F.	COMPLIES
1907	189 S.F.	18.9 S.F.	42 S.F.	9.45 S.F.	13 S.F.	COMPLIES
1908	195 S.F.	19.5 S.F.	42 S.F.	9.75 S.F.	13 S.F.	COMPLIES
1909	212 S.F.	21.2 S.F.	42 S.F.	10.6 S.F.	13 S.F.	COMPLIES
1910	207 S.F.	20.7 S.F.	42 S.F.	10.35 S.F.	13 S.F.	COMPLIES
1911	151 S.F.	15.1 S.F.	42 S.F.	7.55 S.F.	13 S.F.	COMPLIES
1912	165 S.F.	16.5 S.F.	42 S.F.	8.25 S.F.	13 S.F.	COMPLIES

NOTES:

1. AREA CALCULATION IS BASED ON "HABITABLE ROOM" DEFINITION AND DOES NOT INCLUDE CLOSETS, HALLS, AND BATHROOM.
2. NATURAL LIGHT SHALL BE AT LEAST 10% OF THE "HABITABLE ROOM" AREA (BC-1205.2.1)
3. VENTILATING OPENING (AIR) SHALL BE AT LEAST 5% OF THE "HABITABLE ROOM" AREA (BC-1203.4.1.2.1)

LEGEND

ROOM NUM. ####DD ROOM 100sf R-1 ROOM TYPE
ROOM NUM. USE GROUP

- G24 — PARTITION TYPE
- FE — FIRE EXTINGUISHER
- W5 — WINDOW TYPE
- G1 — DOOR TAG
- UNITS WITH ACCESSIBLE COMMUNICATION FEATURES (REFER TO G-001 FOR NOTES AND ANALYSIS)
- FD — FLOOR DRAIN
- RD — ROOF DRAIN
- AD — AREA DRAIN

EXIT PATHWAY MARKINGS NOTES:
403.16 EXIT PATH MARKINGS. ALL HIGH-RISE BUILDINGS SHALL BE PROVIDED WITH PHOTOLUMINESCENCE EXIT PATH MARKINGS CONFORMING TO SECTION 1026.

CARBON MONOXIDE NOTE:
1) HARDWIRED CARBON MONOXIDE DETECTORS COMPLYING WITH RS 17-13 AND INSTALLED IN ACCORDANCE WITH 17-14 SHALL BE PROVIDED IN EVERY UNIT WITHIN 15 FEET OF THE PRIMARY ENTRANCE TO EACH BED ROOM.

BLOCK: 759 LOT: 55

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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Seal

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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

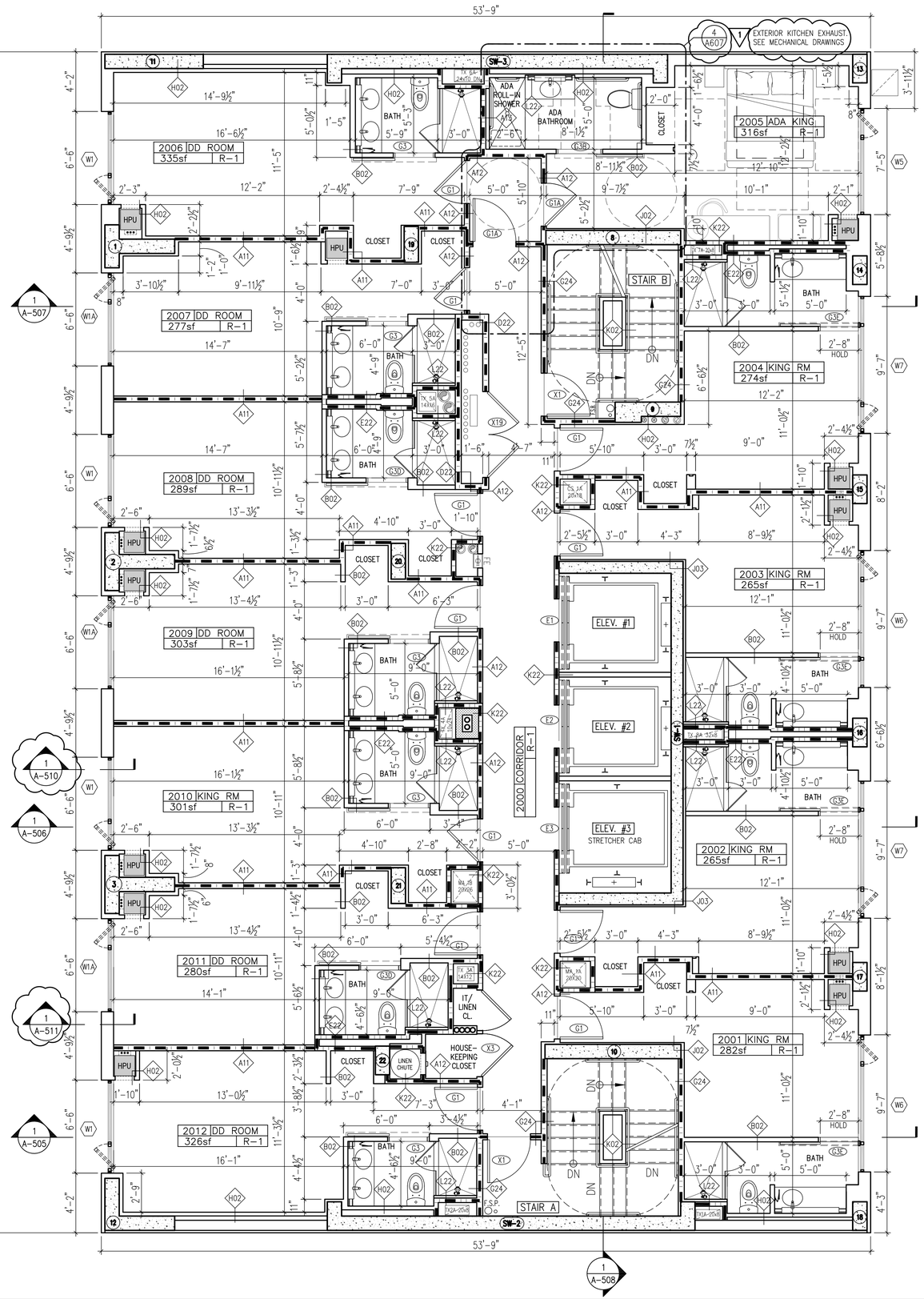
19th
FLOOR PLAN

Drawing Number ## of

A-219.00

DOB B-Scan

21362



SCALE: ¼" = 1'-0"

LIGHT AND AIR CALCULATION (20TH FLOOR)

GUESTROOM NO.	FLOOR AREA (S.F.)	REQUIRED MIN. LIGHT (10%)	PROPOSED LIGHT (S.F.)	REQUIRED MIN. AIR (5%)	PROPOSED AIR (S.F.)	COMPLIANCE
2001	160 S.F.	16 S.F.	62 S.F.	8 S.F.	26 S.F.	COMPLIES
2002	160 S.F.	16 S.F.	62 S.F.	8 S.F.	26 S.F.	COMPLIES
2003	159 S.F.	15.9 S.F.	62 S.F.	7.95 S.F.	26 S.F.	COMPLIES
2004	162 S.F.	16.2 S.F.	62 S.F.	8.1 S.F.	26 S.F.	COMPLIES
2005	196 S.F.	19.6 S.F.	50 S.F.	9.8 S.F.	13 S.F.	COMPLIES
2006	219 S.F.	21.9 S.F.	42 S.F.	10.95 S.F.	13 S.F.	COMPLIES
2007	189 S.F.	18.9 S.F.	42 S.F.	9.45 S.F.	13 S.F.	COMPLIES
2008	195 S.F.	19.5 S.F.	42 S.F.	9.75 S.F.	13 S.F.	COMPLIES
2009	212 S.F.	21.2 S.F.	42 S.F.	10.6 S.F.	13 S.F.	COMPLIES
2010	207 S.F.	20.7 S.F.	42 S.F.	10.35 S.F.	13 S.F.	COMPLIES
2011	151 S.F.	15.1 S.F.	42 S.F.	7.55 S.F.	13 S.F.	COMPLIES
2012	165 S.F.	16.5 S.F.	42 S.F.	8.25 S.F.	13 S.F.	COMPLIES

NOTES:

1. AREA CALCULATION IS BASED ON "HABITABLE ROOM" DEFINITION AND DOES NOT INCLUDE CLOSETS, HALLS, AND BATHROOM.
2. NATURAL LIGHT SHALL BE AT LEAST 10% OF THE "HABITABLE ROOM" AREA (BC-1205.2.1)
3. VENTILATING OPENING (AIR) SHALL BE AT LEAST 5% OF THE "HABITABLE ROOM" AREA (BC-1203.4.1.2.1)

LEGEND

ROOM NUM. — ROOM TYPE
####|DD ROOM | 100sf | R-1
ROOM NUM. — USE GROUP

- PARTITION TYPE
- FIRE EXTINGUISHER
- WINDOW TYPE
- DOOR TAG
- UNITS WITH ACCESSIBLE COMMUNICATION FEATURES (REFER TO G-001 FOR NOTES AND ANALYSIS)
- FD — FLOOR DRAIN
- RD — ROOF DRAIN
- AD — AREA DRAIN

EXIT PATHWAY MARKINGS NOTES:
403.16 EXIT PATH MARKINGS. ALL HIGH-RISE BUILDINGS SHALL BE PROVIDED WITH PHOTOLUMINESCENCE EXIT PATH MARKINGS CONFORMING TO SECTION 1026.

CARBON MONOXIDE NOTE:
1) HARDWIRED CARBON MONOXIDE DETECTORS COMPLYING WITH RS 17-13 AND INSTALLED IN ACCORDANCE WITH 17-14 SHALL BE PROVIDED IN EVERY UNIT WITHIN 15 FEET OF THE PRIMARY ENTRANCE TO EACH BED ROOM.

BLOCK: 759 LOT: 55

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

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Seal

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AC 320 HOTEL PARTNERS LLC
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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

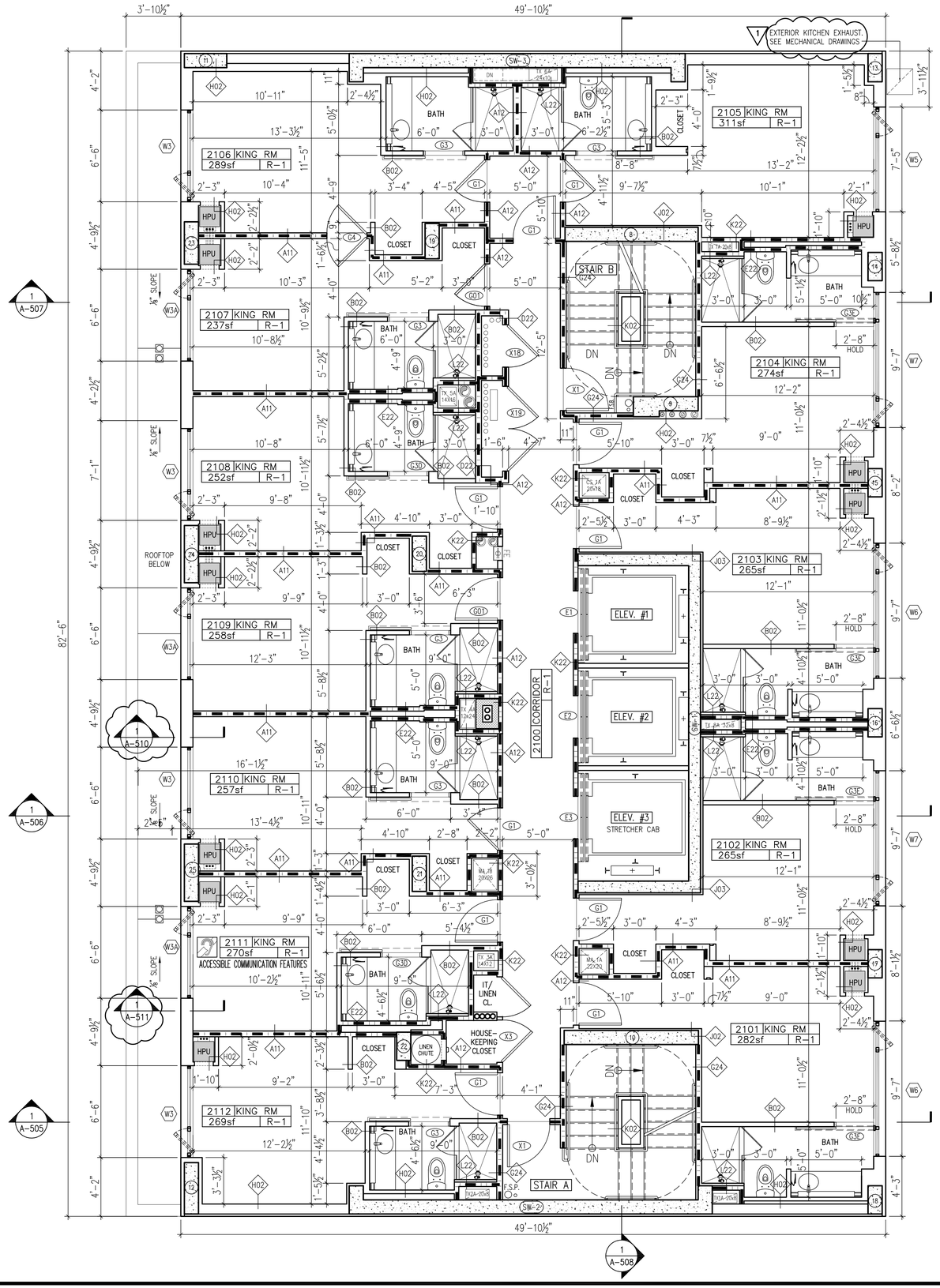
20th FLOOR PLAN ADA ROLL-IN-SHOWER

Drawing Number ## of

A-220.00

DOB B-Scan

21362



SCALE: ¼" = 1'-0"

LIGHT AND AIR CALCULATION (21ST FLOOR)

GUESTROOM NO.	FLOOR AREA (S.F.)	REQUIRED MIN. LIGHT (10%)	PROPOSED LIGHT (S.F.)	REQUIRED MIN. AIR (5%)	PROPOSED AIR (S.F.)	COMPLIANCE
2101	160 S.F.	16 S.F.	62 S.F.	8 S.F.	26 S.F.	COMPLIES
2102	159 S.F.	15.9 S.F.	62 S.F.	7.95 S.F.	26 S.F.	COMPLIES
2103	159 S.F.	15.9 S.F.	62 S.F.	7.95 S.F.	26 S.F.	COMPLIES
2104	162 S.F.	16.2 S.F.	62 S.F.	8.1 S.F.	26 S.F.	COMPLIES
2105	198 S.F.	19.8 S.F.	50 S.F.	9.9 S.F.	13 S.F.	COMPLIES
2106	182 S.F.	18.2 S.F.	42 S.F.	9.1 S.F.	13 S.F.	COMPLIES
2107	149 S.F.	14.9 S.F.	42 S.F.	7.45 S.F.	13 S.F.	COMPLIES
2108	155 S.F.	155.5 S.F.	42 S.F.	7.75 S.F.	13 S.F.	COMPLIES
2109	169 S.F.	16.9 S.F.	42 S.F.	8.45 S.F.	13 S.F.	COMPLIES
2110	167 S.F.	16.7 S.F.	42 S.F.	8.35 S.F.	13 S.F.	COMPLIES
2111	151 S.F.	15.1 S.F.	42 S.F.	7.55 S.F.	13 S.F.	COMPLIES
2112	164 S.F.	16.4 S.F.	42 S.F.	8.2 S.F.	13 S.F.	COMPLIES

NOTES:

1. AREA CALCULATION IS BASED ON "HABITABLE ROOM" DEFINITION AND DOES NOT INCLUDE CLOSETS, HALLS, AND BATHROOM.
2. NATURAL LIGHT SHALL BE AT LEAST 10% OF THE "HABITABLE ROOM" AREA (BC-1205.2.1)
3. VENTILATING OPENING (AIR) SHALL BE AT LEAST 5% OF THE "HABITABLE ROOM" AREA (BC-1203.4.1.2.1)

LEGEND

- ROOM NUM. / ####DD ROOM / 100sf / R-1 / ROOM NUM. — ROOM TYPE / USE GROUP
- PARTITION TYPE
- FIRE EXTINGUISHER
- WINDOW TYPE
- DOOR TAG
- UNITS WITH ACCESSIBLE COMMUNICATION FEATURES (REFER TO G-001 FOR NOTES AND ANALYSIS)
- FD FLOOR DRAIN
- RD ROOF DRAIN
- AD AREA DRAIN

EXIT PATHWAY MARKINGS NOTES:
403.16 EXIT PATH MARKINGS. ALL HIGH-RISE BUILDINGS SHALL BE PROVIDED WITH PHOTOLUMINESCENCE EXIT PATH MARKINGS CONFORMING TO SECTION 1026.

CARBON MONOXIDE NOTE:
1) HARDWIRED CARBON MONOXIDE DETECTORS COMPLYING WITH RS 17-13 AND INSTALLED IN ACCORDANCE WITH 17-14 SHALL BE PROVIDED IN EVERY UNIT WITHIN 15 FEET OF THE PRIMARY ENTRANCE TO EACH BED ROOM.

BLOCK: 759 LOT: 55

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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AC 320 HOTEL PARTNERS LLC
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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

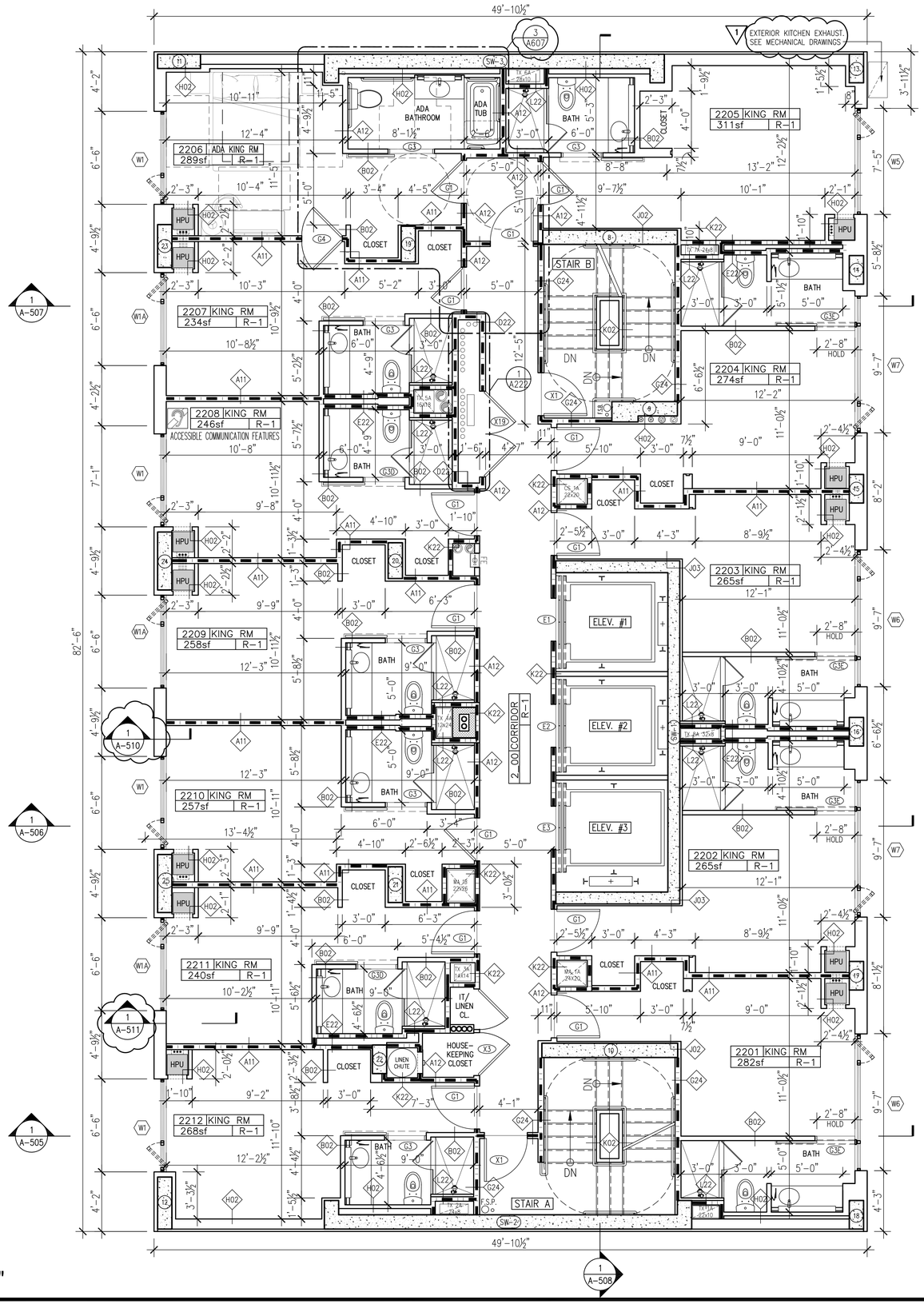
21st FLOOR PLAN

Drawing Number ## of

A-221.00

DOB B-Scan

21362



LIGHT AND AIR CALCULATION (22ND TO 24TH FLOOR)

GUESTROOM NO.	FLOOR AREA (S.F.)	REQUIRED MIN. LIGHT (10%)	PROPOSED LIGHT (S.F.)	REQUIRED MIN. AIR (5%)	PROPOSED AIR (S.F.)	COMPLIANCE
2_01	160 S.F.	16 S.F.	62 S.F.	8 S.F.	26 S.F.	COMPLIES
2_02	160 S.F.	16 S.F.	62 S.F.	8 S.F.	26 S.F.	COMPLIES
2_03	159 S.F.	15.9 S.F.	62 S.F.	7.95 S.F.	26 S.F.	COMPLIES
2_04	162 S.F.	16.2 S.F.	62 S.F.	8.1 S.F.	26 S.F.	COMPLIES
2_05	198 S.F.	19.8 S.F.	50 S.F.	9.9 S.F.	13 S.F.	COMPLIES
2_06	179 S.F.	17.9 S.F.	42 S.F.	8.95 S.F.	13 S.F.	COMPLIES
2_07	149 S.F.	14.9 S.F.	42 S.F.	7.45 S.F.	13 S.F.	COMPLIES
2_08	155 S.F.	15.5 S.F.	42 S.F.	7.75 S.F.	13 S.F.	COMPLIES
2_09	170 S.F.	17 S.F.	42 S.F.	8.5 S.F.	13 S.F.	COMPLIES
2_10	167 S.F.	16.7 S.F.	42 S.F.	8.35 S.F.	13 S.F.	COMPLIES
2_11	151 S.F.	15.1 S.F.	42 S.F.	7.55 S.F.	13 S.F.	COMPLIES
2_12	165 S.F.	16.5 S.F.	42 S.F.	8.25 S.F.	13 S.F.	COMPLIES

NOTES:

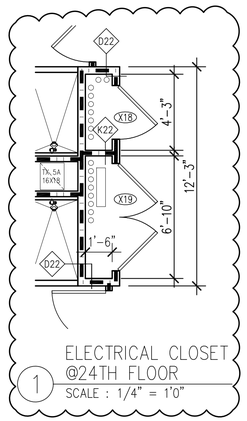
1. AREA CALCULATION IS BASED ON "HABITABLE ROOM" DEFINITION AND DOES NOT INCLUDE CLOSETS, HALLS, AND BATHROOM.
2. NATURAL LIGHT SHALL BE AT LEAST 10% OF THE "HABITABLE ROOM" AREA (BC-1205.2.1)
3. VENTILATING OPENING (AIR) SHALL BE AT LEAST 5% OF THE "HABITABLE ROOM" AREA (BC-1203.4.1.2.1)

LEGEND

- ROOM NUM. / ####DD ROOM / 100sf | R-1 / ROOM NUM. — ROOM TYPE, USE GROUP
- G24 — PARTITION TYPE
- FE — FIRE EXTINGUISHER
- W5 — WINDOW TYPE
- G1 — DOOR TAG
- UNITS WITH ACCESSIBLE COMMUNICATION FEATURES (REFER TO G-001 FOR NOTES AND ANALYSIS)
- FD — FLOOR DRAIN
- RD — ROOF DRAIN
- AD — AREA DRAIN

EXIT PATHWAY MARKINGS NOTES:
403.16 EXIT PATH MARKINGS. ALL HIGH-RISE BUILDINGS SHALL BE PROVIDED WITH PHOTOLUMINESCENCE EXIT PATH MARKINGS CONFORMING TO SECTION 1026.

CARBON MONOXIDE NOTE:
1) HARDWIRED CARBON MONOXIDE DETECTORS COMPLYING WITH RS 17-13 AND INSTALLED IN ACCORDANCE WITH 17-14 SHALL BE PROVIDED IN EVERY UNIT WITHIN 15 FEET OF THE PRIMARY ENTRANCE TO EACH BED ROOM.



1 ELECTRICAL CLOSET @24TH FLOOR
SCALE : 1/4" = 1'0"

BLOCK: 759 LOT: 55

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
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08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

22nd-24th FLOOR PLAN ADA TUB

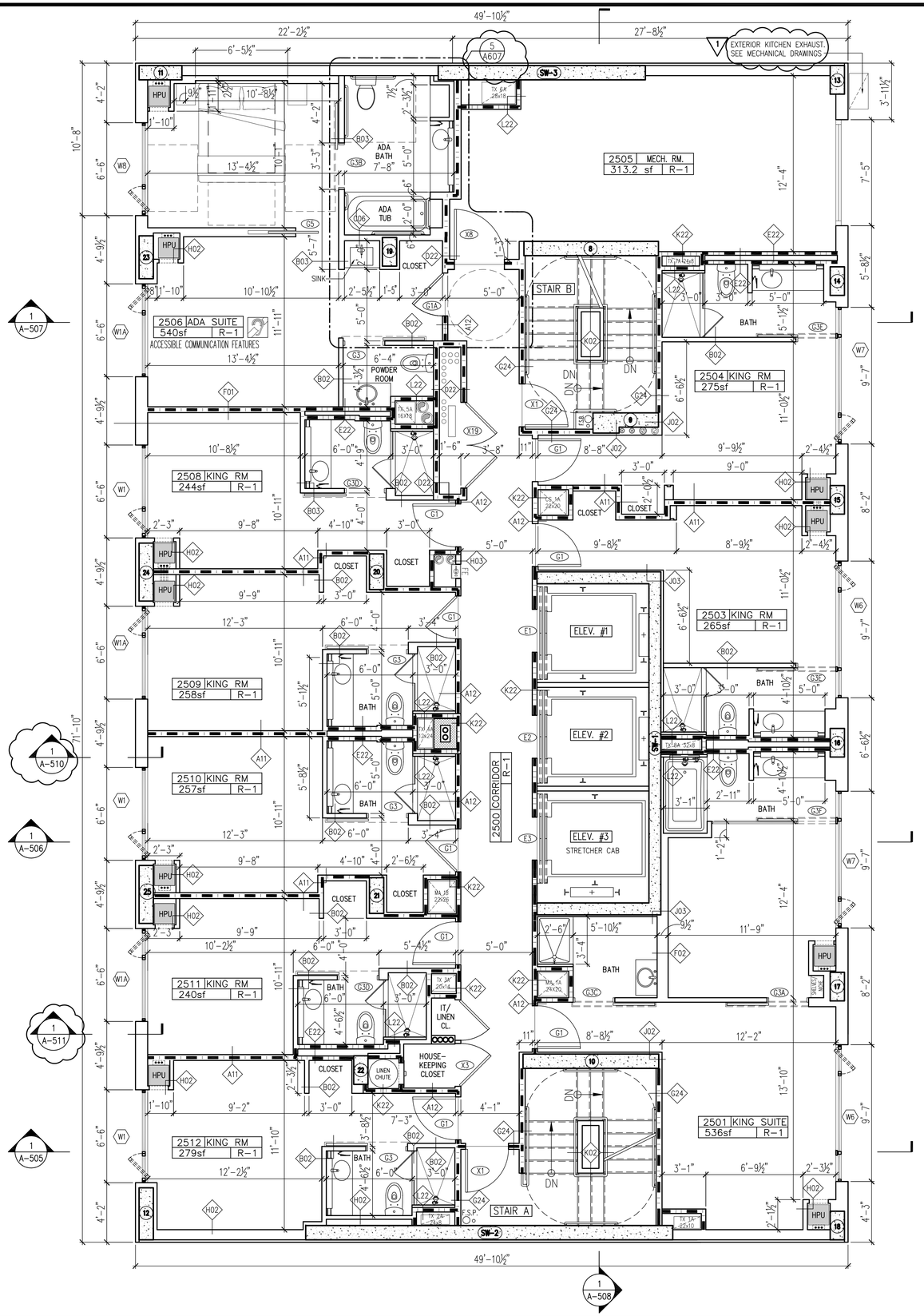
Drawing Number ## of

A-222.00

DOB B-Scan

21362

6 / 13 / 2011 20173-TITLE-ZONING.DWG Plotted: 10 / 8 / 2014 Wed. | 21362-19-24ADA - ONE | 21362_2F-24RD FLOOR PLAN | LEGEND | 21362_SHEARWALLS 21-24



LIGHT AND AIR CALCULATION (25TH FLOOR)

GUESTROOM NO.	FLOOR AREA (S.F.)	REQUIRED MIN. LIGHT (10%)	PROPOSED LIGHT (S.F.)	REQUIRED MIN. AIR (5%)	PROPOSED AIR (S.F.)	COMPLIANCE
2501	278 S.F.	27.8 S.F.	102 S.F.	13.9 S.F.	42 S.F.	COMPLIES
2502	159 S.F.	15.9 S.F.	62 S.F.	7.95 S.F.	27 S.F.	COMPLIES
2503	162 S.F.	16.2 S.F.	62 S.F.	8.1 S.F.	27 S.F.	COMPLIES
2504	333 S.F.	33.3 S.F.	102 S.F.	16.65 S.F.	42 S.F.	COMPLIES
2505	187 S.F.	18.7 S.F.	42 S.F.	9.35 S.F.	13 S.F.	COMPLIES
2506	167 S.F.	16.7 S.F.	42 S.F.	8.35 S.F.	13 S.F.	COMPLIES
2507	151 S.F.	15.1 S.F.	42 S.F.	7.55 S.F.	13 S.F.	COMPLIES
2508	168 S.F.	16.8 S.F.	42 S.F.	8.4 S.F.	13 S.F.	COMPLIES

NOTES:

1. AREA CALCULATION IS BASED ON "HABITABLE ROOM" DEFINITION AND DOES NOT INCLUDE CLOSETS, HALLS, AND BATHROOM.
2. NATURAL LIGHT SHALL BE AT LEAST 10% OF THE "HABITABLE ROOM" AREA (BC-1205.2.1)
3. VENTILATING OPENING (AIR) SHALL BE AT LEAST 5% OF THE "HABITABLE ROOM" AREA (BC-1203.4.1.2.1)

LEGEND

- ROOM NUM. / ROOM TYPE — ####DD ROOM, 100sf, R-1 — ROOM NUM. / USE GROUP
- G24 — PARTITION TYPE
- FE — FIRE EXTINGUISHER
- W5 — WINDOW TYPE
- G1 — DOOR TAG
- UNITS WITH ACCESSIBLE COMMUNICATION FEATURES (REFER TO G-001 FOR NOTES AND ANALYSIS)
- FD — FLOOR DRAIN
- RD — ROOF DRAIN
- AD — AREA DRAIN

EXIT PATHWAY MARKINGS NOTES:
403.16 EXIT PATH MARKINGS. ALL HIGH-RISE BUILDINGS SHALL BE PROVIDED WITH PHOTOLUMINESCENCE EXIT PATH MARKINGS CONFORMING TO SECTION 1026.

CARBON MONOXIDE NOTE:
1) HARDWIRED CARBON MONOXIDE DETECTORS, COMPLYING WITH RS 17-13 AND INSTALLED IN ACCORDANCE WITH 17-14 SHALL BE PROVIDED IN EVERY UNIT WITHIN 15 FEET OF THE PRIMARY ENTRANCE TO EACH BED ROOM.

SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

6 / 13 / 2011 20013-TITLE-DOM.DWG Plotted: 10 / 8 / 2014 by eds | I:\2012-TB-24JOB -DOB | 21362_25TH FLOOR PLAN | 21362_SHEARWALLS 25-26 | LEGEND

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
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09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

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Seal

Project

AC 320 HOTEL PARTNERS LLC
NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

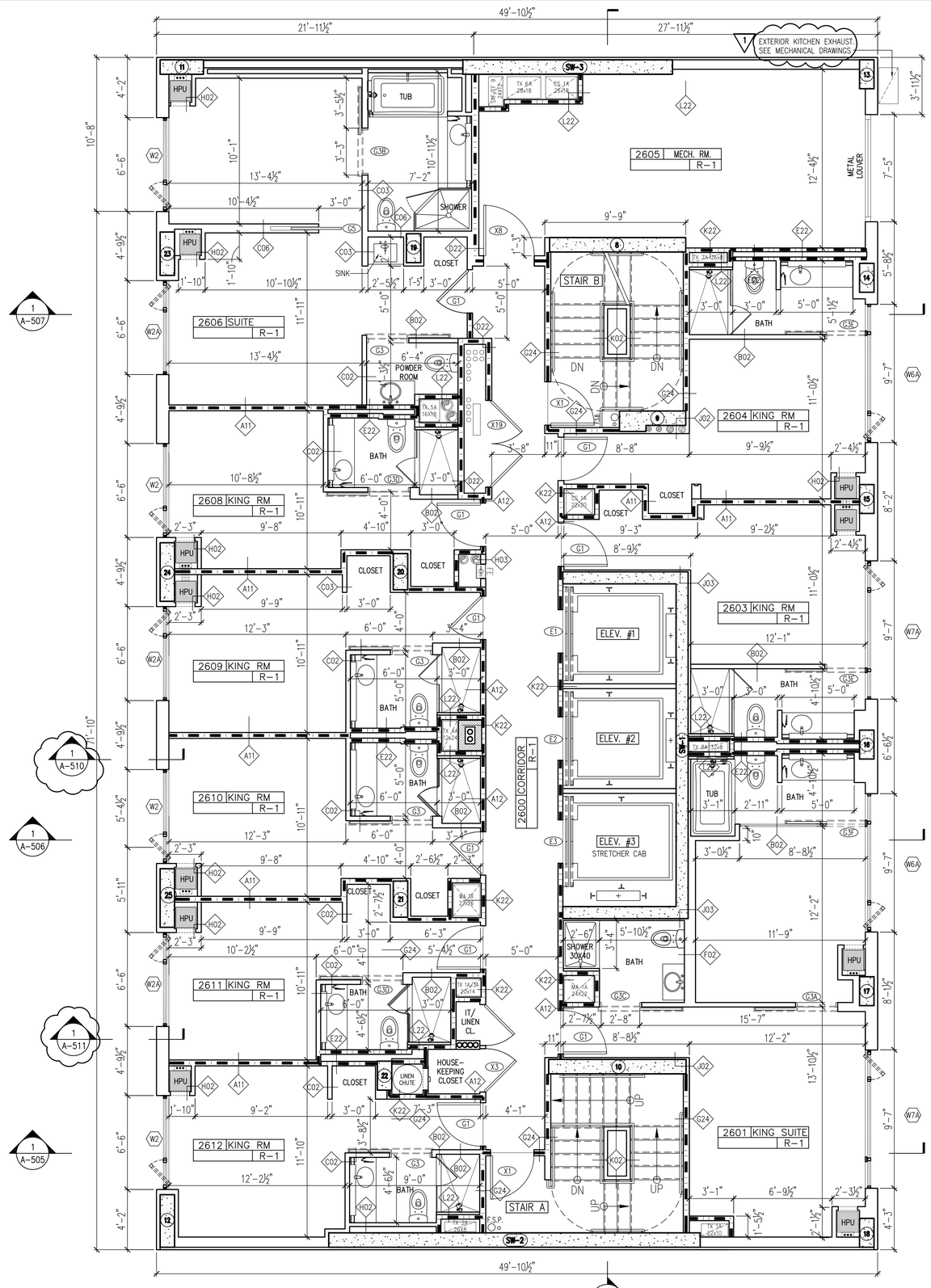
25th FLOOR PLAN ADA TUB SUITE

Drawing Number ## of

A-225.00

DOB B-Scan

21362



LIGHT AND AIR CALCULATION (26TH FLOOR)

GUESTROOM NO.	FLOOR AREA (S.F.)	REQUIRED MIN. LIGHT (10%)	PROPOSED LIGHT (S.F.)	REQUIRED MIN. AIR (5%)	PROPOSED AIR (S.F.)	COMPLIANCE
2601	319 S.F.	31.9 S.F.	124 S.F.	15.95 S.F.	54 S.F.	COMPLIES
2603	127 S.F.	12.7 S.F.	42 S.F.	6.35 S.F.	27 S.F.	COMPLIES
2604	130 S.F.	13 S.F.	42 S.F.	6.5 S.F.	13 S.F.	COMPLIES
2606	286 S.F.	28.6 S.F.	114 S.F.	14.3 S.F.	26 S.F.	COMPLIES
2608	151 S.F.	15.1 S.F.	57 S.F.	7.55 S.F.	13 S.F.	COMPLIES
2609	167 S.F.	16.7 S.F.	57 S.F.	7.35 S.F.	13 S.F.	COMPLIES
2610						
2611						
2612						

NOTES:
1. AREA CALCULATION IS BASED ON "HABITABLE ROOM" DEFINITION AND DOES NOT INCLUDE CLOSETS, HALLS, AND BATHROOM.
2. NATURAL LIGHT SHALL BE AT LEAST 10% OF THE "HABITABLE ROOM" AREA (BC-1205.2.1)
3. VENTILATING OPENING (AIR) SHALL BE AT LEAST 5% OF THE "HABITABLE ROOM" AREA (BC-1203.4.1.2.1)

LEGEND

- ROOM NUM. / ROOM TYPE / ROOM NUM. / USE GROUP
- G24 — PARTITION TYPE
- FE — FIRE EXTINGUISHER
- W5 — WINDOW TYPE
- G1 — DOOR TAG
- UNITS WITH ACCESSIBLE COMMUNICATION FEATURES (REFER TO G-001 FOR NOTES AND ANALYSIS)
- FD — FLOOR DRAIN
- RD — ROOF DRAIN
- AD — AREA DRAIN

EXIT PATHWAY MARKINGS NOTES:
403.16 EXIT PATH MARKINGS. ALL HIGH-RISE BUILDINGS SHALL BE PROVIDED WITH PHOTOLUMINESCENCE EXIT PATH MARKINGS CONFORMING TO SECTION 1026.

CARBON MONOXIDE NOTE:
1) HARDWIRED CARBON MONOXIDE DETECTORS COMPLYING WITH RS 17-13 AND INSTALLED IN ACCORDANCE WITH 17-14 SHALL BE PROVIDED IN EVERY UNIT WITHIN 15 FEET OF THE PRIMARY ENTRANCE TO EACH BED ROOM.

BLOCK: 759 LOT: 55

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
06.09.2014	REVISED 26TH FLOOR
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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AC 320 HOTEL PARTNERS LLC
NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

26th
FLOOR PLAN

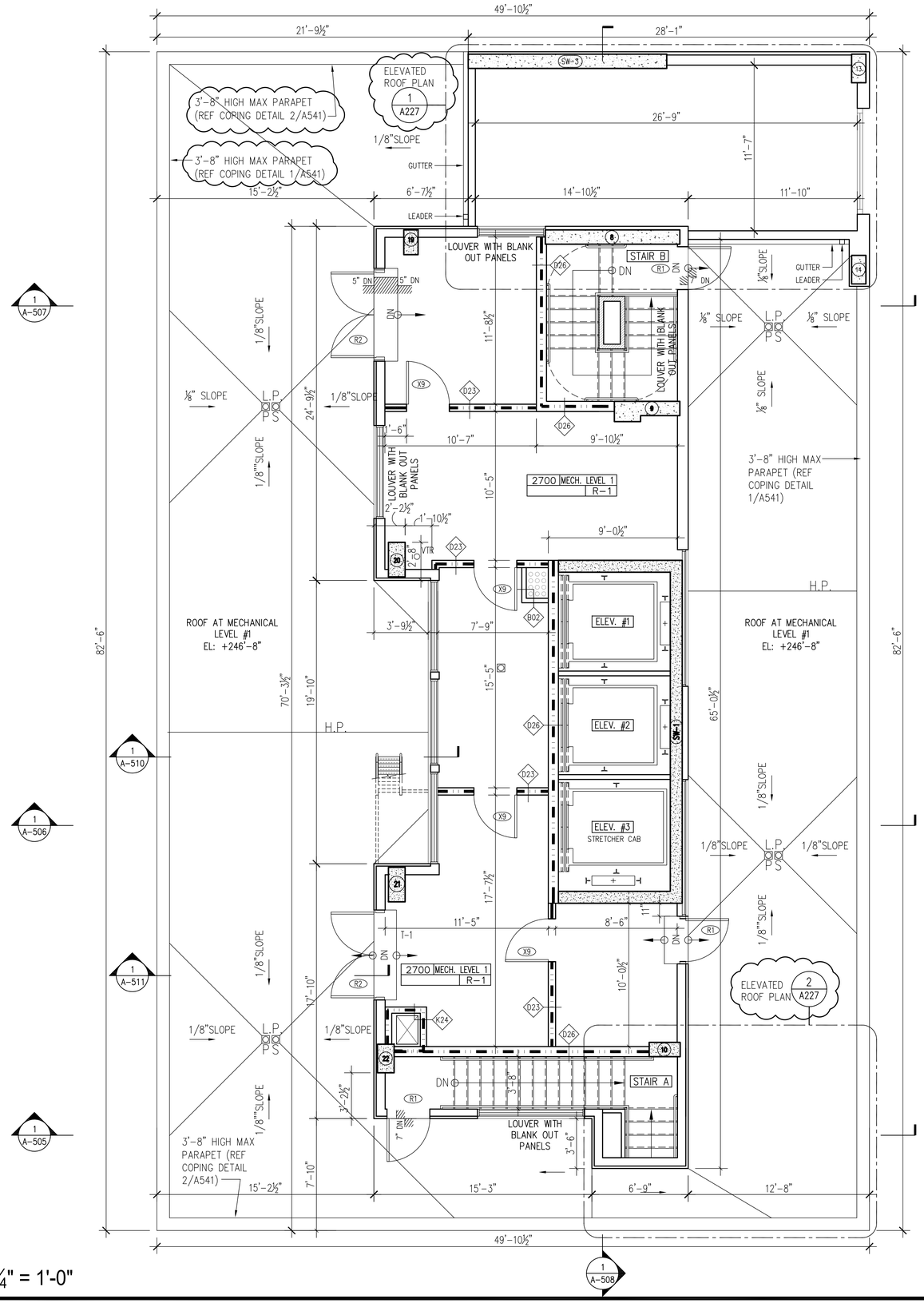
Drawing Number ## of

A-226.00

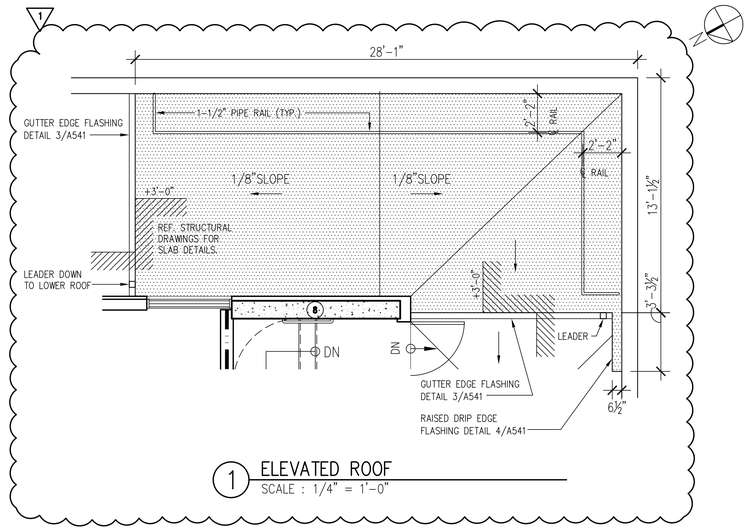
DOB B-Scan

21362

6/13/2011 21073-TITLE-SCHEDULEMC Plotted: 10/8/2014 Xrefs: I:21362-TB-2ASDB-DOB | I:21362_26TH FLOOR PLAN | I:21362_SHEARWALLS 25-26 | LEGEND



SCALE: ¼" = 1'-0"



1 ELEVATED ROOF
SCALE : 1/4" = 1'-0"

LEGEND

- ROOM NUM. / ROOM TYPE — ####DD ROOM / 100sf / R-1 / ROOM NUM. / USE GROUP
- (X24) PARTITION TYPE
- FE FIRE EXTINGUISHER
- (W5) WINDOW TYPE
- (G1) DOOR TAG
- UNITS WITH ACCESSIBLE COMMUNICATION FEATURES (REFER TO G-001 FOR NOTES AND ANALYSIS)
- (FD) FLOOR DRAIN
- (RD) ROOF DRAIN
- (AD) AREA DRAIN

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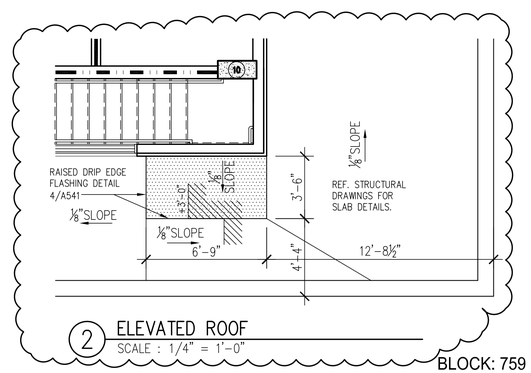

2 ELEVATED ROOF
SCALE : 1/4" = 1'-0"

BLOCK: 759 LOT: 55

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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Seal

Project

AC 320 HOTEL PARTNERS LLC
NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

MECHANICAL LEVEL 1 FLOOR PLAN

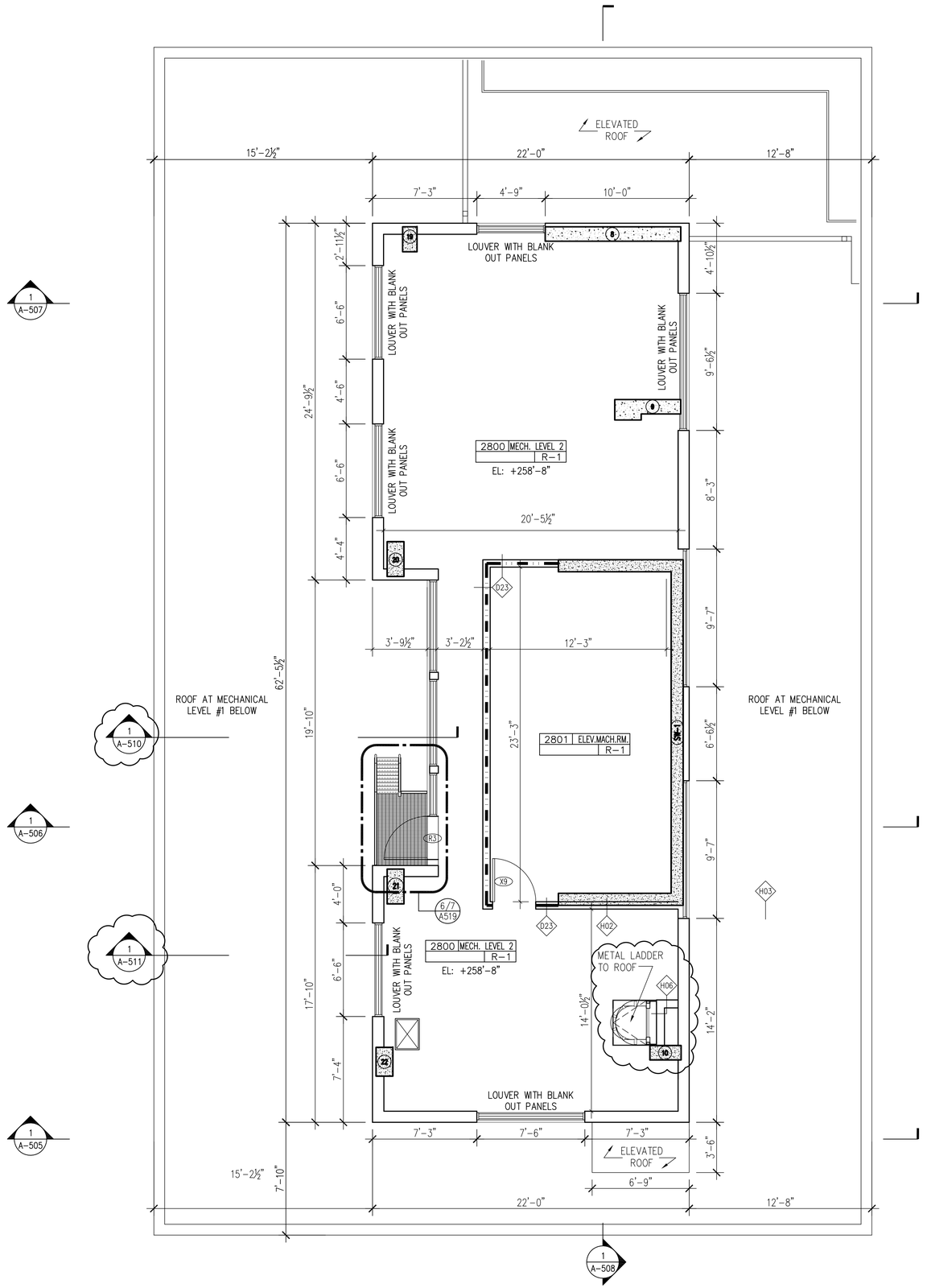
Drawing Number ## of

A-227.00

DOB B-Scan

21362

36 STREET



SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

LEGEND

ROOM NUM. — ROOM TYPE
DD ROOM
100sf R-1
ROOM NUM. — USE GROUP

- PARTITION TYPE
- FIRE EXTINGUISHER
- WINDOW TYPE
- DOOR TAG
- UNITS WITH ACCESSIBLE COMMUNICATION FEATURES (REFER TO G-001 FOR NOTES AND ANALYSIS)
- FLOOR DRAIN
- ROOF DRAIN
- AREA DRAIN

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07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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STONEHILL & TAYLOR
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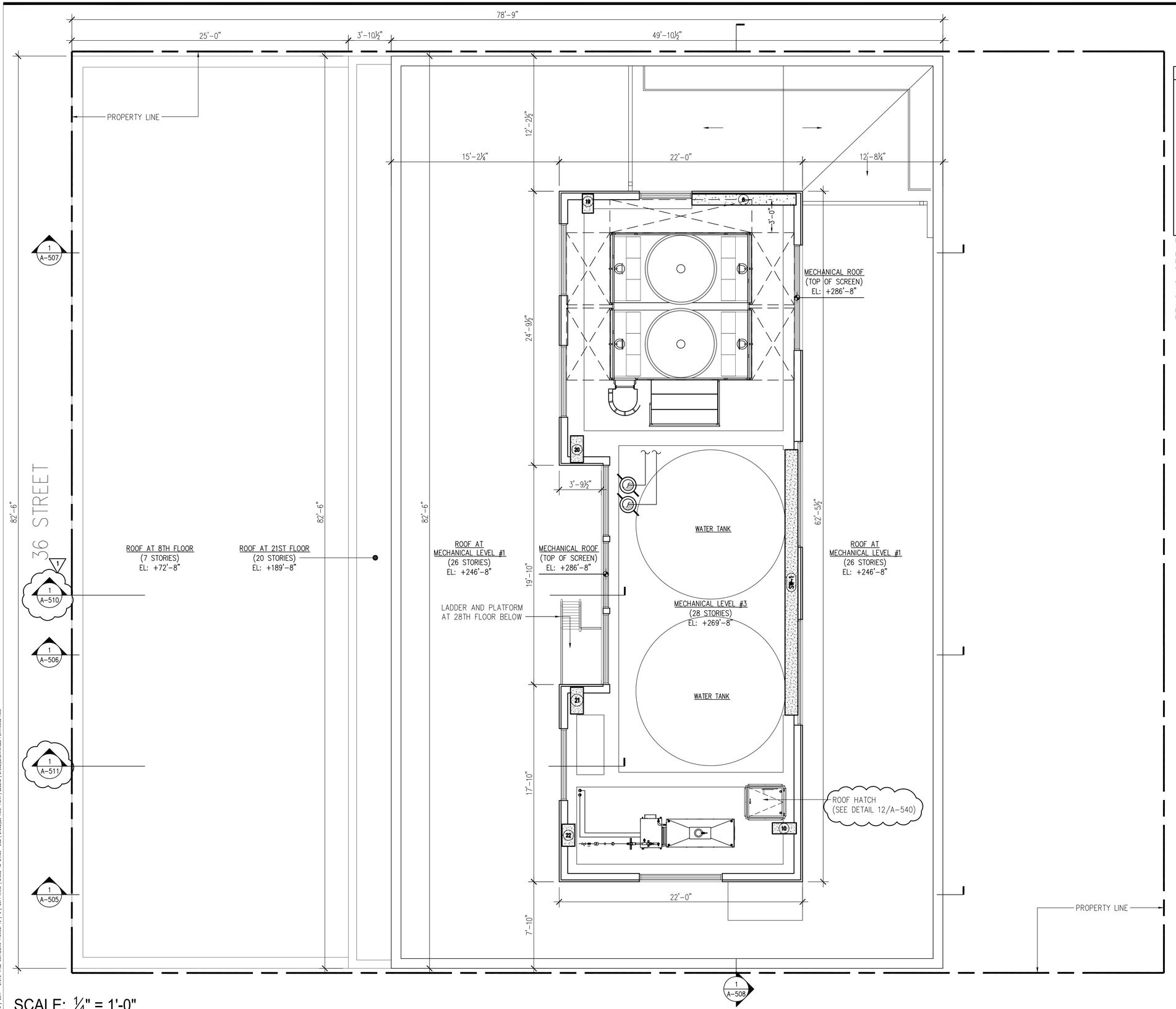
MECHANICAL LEVEL 2 FLOOR PLAN

Drawing Number ## of

A-228.00

DOB B-Scan

21362



SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

LEGEND

ROOM NUM. — ROOM TYPE
DD ROOM
100sf R-1
ROOM NUM. — USE GROUP

- PARTITION TYPE
- FIRE EXTINGUISHER
- WINDOW TYPE
- DOOR TAG
- UNITS WITH ACCESSIBLE COMMUNICATION FEATURES (REFER TO G-001 FOR NOTES AND ANALYSIS)
- FLOOR DRAIN
- ROOF DRAIN
- AREA DRAIN

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Issue Record

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08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

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STONEHILL & TAYLOR
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ROOF PLAN

Drawing Number ## of

A-229.00

DOB B-Scan

21362

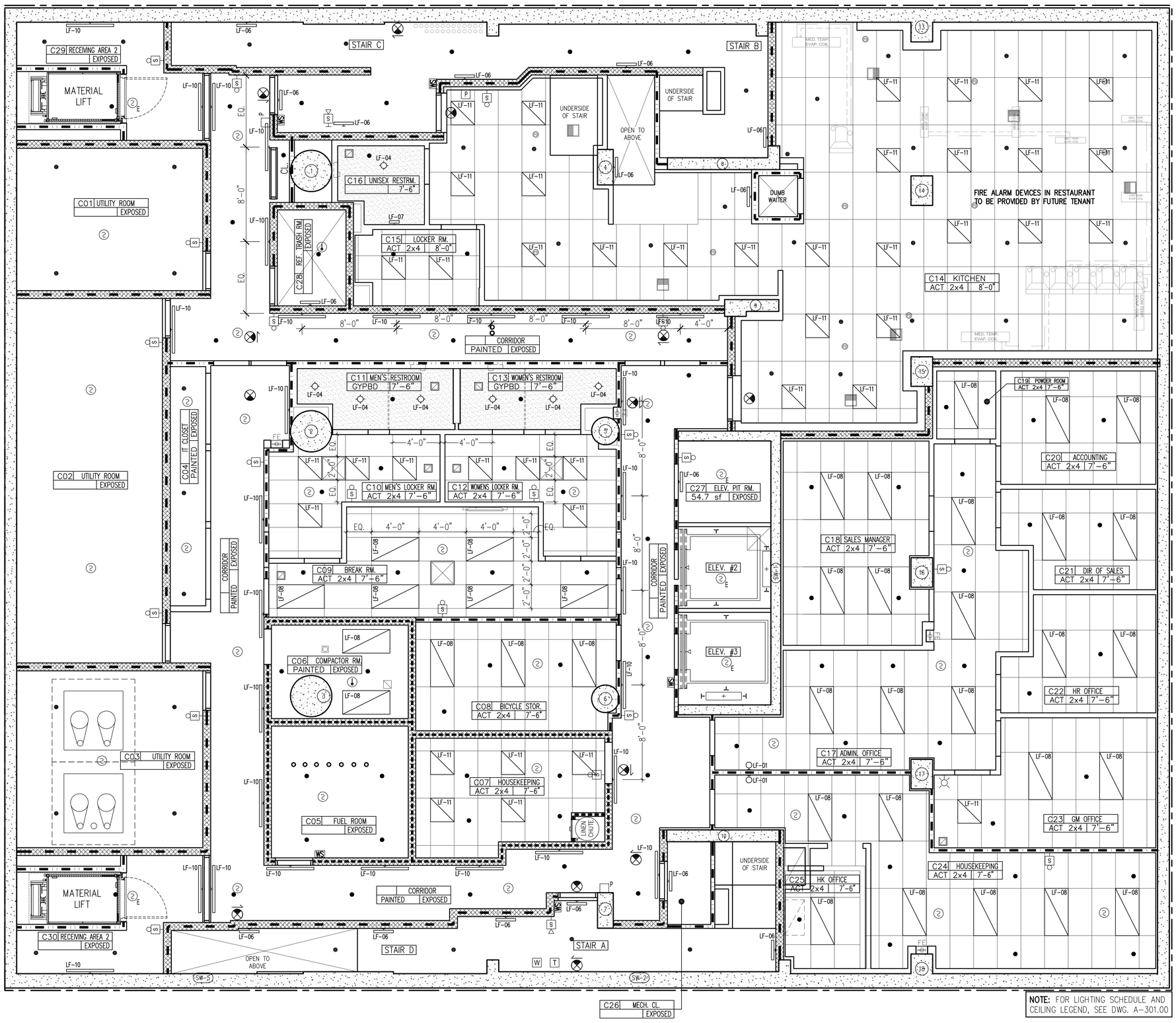
6 / 13 / 2011 20013-TITLE-32ndCDWG Plotted: 10 / 8 / 2014 Week: I 21362-TB-24x36 -108 | 21362_29 ROOF PLAN | LEGEND | 21362_SHEARWALLS PENTHOUSE ROOF

CELLAR LIGHTING SCHEDULE				
	TYPE	DESCRIPTION	MANUFACTURER	MODEL NUMBER
○	LF-04	RECESSED CFL SHOWER LIGHT	HE WILLIAMS	PVSL60-1-26T-DGL-EB1-UNV-UND
▭	LF-06	WALL MOUNTED LENS FLUORESCENT EGRESS FIXTURE WITH OCCUPANCY SENSOR	HE WILLIAMS	SLF-3-2-25-HIA-EB2-OCCWS FS-505-PP-(VOLTAGE)
▭	LF-07	WALL MOUNTED LENS FLUORESCENT EGRESS FIXTURE WITH OCCUPANCY SENSOR	HE WILLIAMS	SLF-2-2-24-HIA-EB2-UNV
▭	LF-08	2X4 RECESSED MOUNTED FLUORESCENT LENS FIXTURE	HE WILLIAMS	50-(CEILING)-S-2-4-3-32-F-A19156-EB3-UNV
▭	LF-10	WALL MOUNT 48" LINEAR FLUORESCENT LIGHTS WITH REFLECTOR	HE WILLIAMS	SLF-4-2-32-HIA-EB2--UNV-UND
▭	LF-11	2'-0"W X 2'-0"L. RECESSED FLUORESCENT LIGHTS	HE WILLIAMS	50-(CEILING)-S-2-2-2-40-F-A19156-AMW-EB3-UNV
⊗		EXIT FACES MOUNTING FACEPLATE AS PER ARCH DWG	HE WILLIAMS	EXIT/EL/NYC-(FACES)-(FACEPLATE)-(COLOR)-(EM)
⊗		EXIT FACES MOUNTING FACEPLATE AS PER ARCH DWG	HE WILLIAMS	EXIT/EL/NYC-(FACES)-(FACEPLATE)-(COLOR)-(EM)

LEGEND

- EXIT SIGN (WALL/CEILING MOUNTED)
- CEILING AND WALL MOUNTED COMBINATION SMOKE DETECTORS: E = ELEVATOR RECALL, C = CARBON MONOXIDE
- P — MANUAL PULL STATION
- FAS — FIRE ALARM SPEAKER; WALL MOUNTED
- CO/FAS — COMBINATION FIRE ALARM SPEAKER/VISUAL ALARM; WALL MOUNTED
- WS — WARDEN STATION

NOTE: REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.
REFER TO MECHANICAL DRAWINGS FOR TOILET EXHAUST.
REFER TO FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR DETAILED INFORMATION.



NOTE: FOR LIGHTING SCHEDULE AND CEILING LEGEND, SEE DWG. A-301.00

SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

6 / 13 / 2011 21073-TITLE-2DXALDWG Plotted: 10 / 8 / 2014 Xrefs: | 21362-TB-2ADB -DOB | ROP NOTES | 21362_D CELLAR FLOOR PLAN | LIGHTING SCHEDULE CELLAR LEGEND | 21362_SHEARWALLS C | LEGEND RC

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
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08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

CELLAR REFLECTED CEILING PLAN

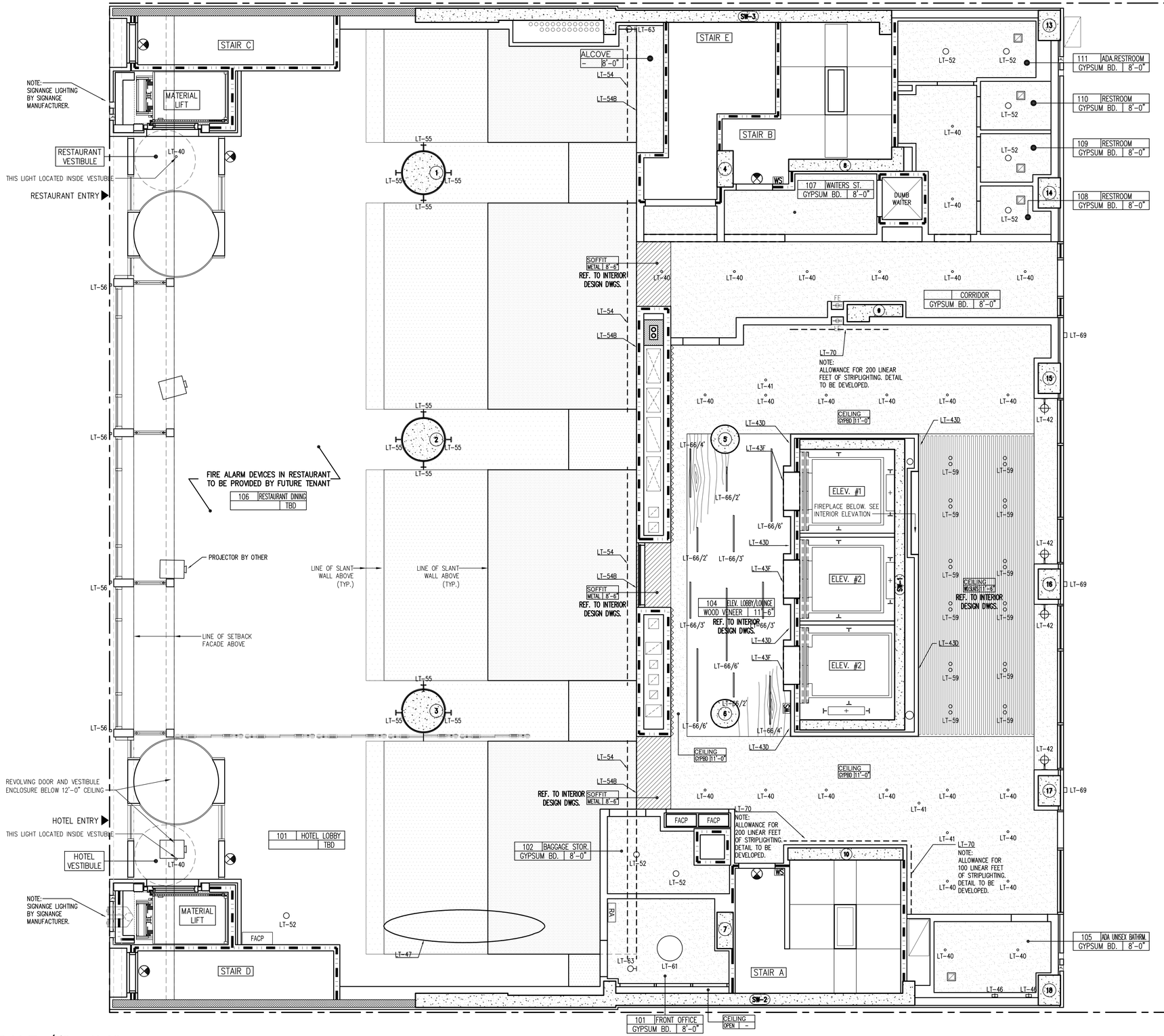
Drawing Number ## of

A-300.00

DOB B-Scan

21362

NOTE: REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.
REFER TO MECHANICAL DRAWINGS FOR TOILET EXHAUST.
REFER TO FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR DETAILED INFORMATION.



SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

6 / 13 / 2011 20173-TITLE-32X42.DWG Plotted: 10 / 8 / 2014 Kwiki | 21362-RB-24X36 - 108 | LIGHTING SCHEDULE N LEGEND | 21362_1ST FLOOR PLAN | 21362_CHECKPRINALS 1 | RCP NOTES | A-201.00A | 21362_3E

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
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10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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AC 320 HOTEL PARTNERS LLC
NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

GROUND FLOOR REFLECTED CEILING PLAN

Drawing Number ## of

1 A-301.00

DOB B-Scan

21362

NOTE: REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.
REFER TO MECHANICAL DRAWINGS FOR TOILET EXHAUST.
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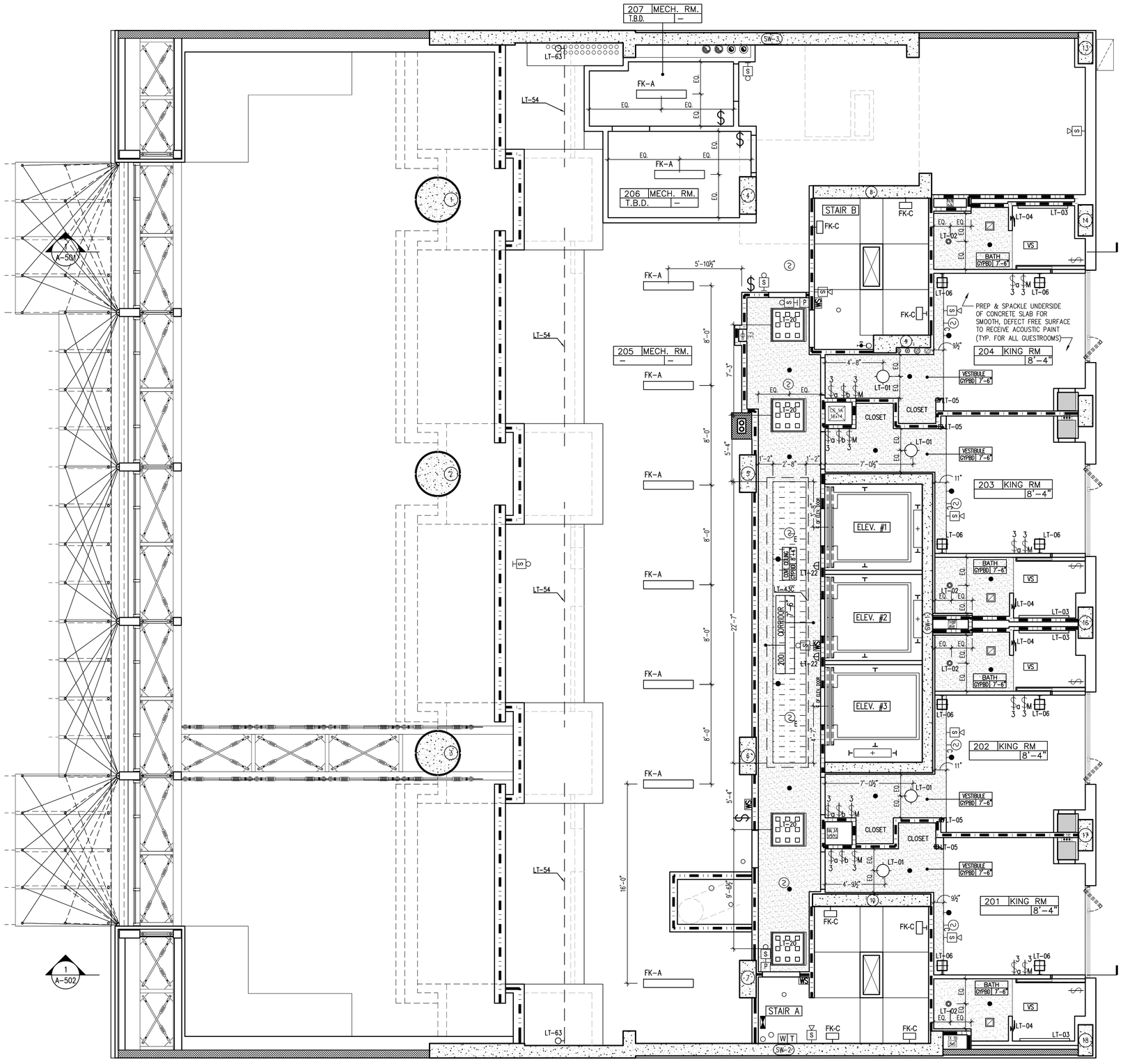

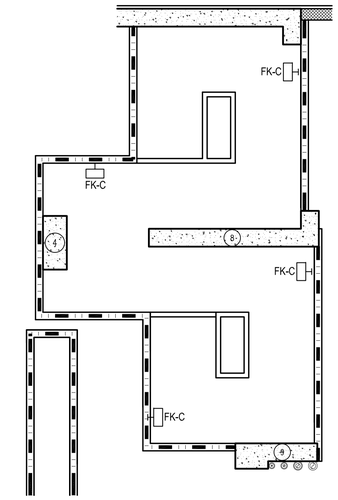

2 STAIR B TRANSFER
SCALE : 1/4" = 1'-0"

LEGEND

- EXIT SIGN (WALL/CEILING MOUNTED)
- CEILING AND WALL MOUNTED COMBINATION SMOKE DETECTORS: E = ELEVATOR RECALL, C = CARBON MONOXIDE
- P — MANUAL PULL STATION
- S — FIRE ALARM SPEAKER; WALL MOUNTED
- S — COMBINATION FIRE ALARM SPEAKER/VISUAL ALARM; WALL MOUNTED
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- FK-C — SURFACE MOUNTED FLUORESCENT WITH BUILT IN MOTION DETECTOR.
- FK-L — SURFACE MOUNTED FLUORESCENT.
- LT-06 — WALL SCONCE
- LT-01 — SURFACE MOUNTED LIGHT FIXTURE
- LT-04 — LIT MAKE-UP MIRROR
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- LED LIGHT STRIP
- WALL MOUNTED SPRINKLER HEAD
- CEILING MOUNTED SPRINKLER HEAD
- TOILET EXHAUST VENT
- SWITCH
- 3 — THREE-WAY SWITCH
- M — MASTER SWITCH

BLOCK: 759 LOT: 55

6 / 13 / 2011 21073-TITLE-2DWG.dwg Plotted: 10 / 8 / 2014 Xrefs: | 21362_2ND FLOOR PLAN | 21362-TB-XHOR - 1008 | 21362_SHEARWALLS 2 | RCP NOTES | A-202.00 | LEGEND RCP | SPRINKLER 2 FLOOR | 21362

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
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10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

2nd REFLECTED CEILING PLAN

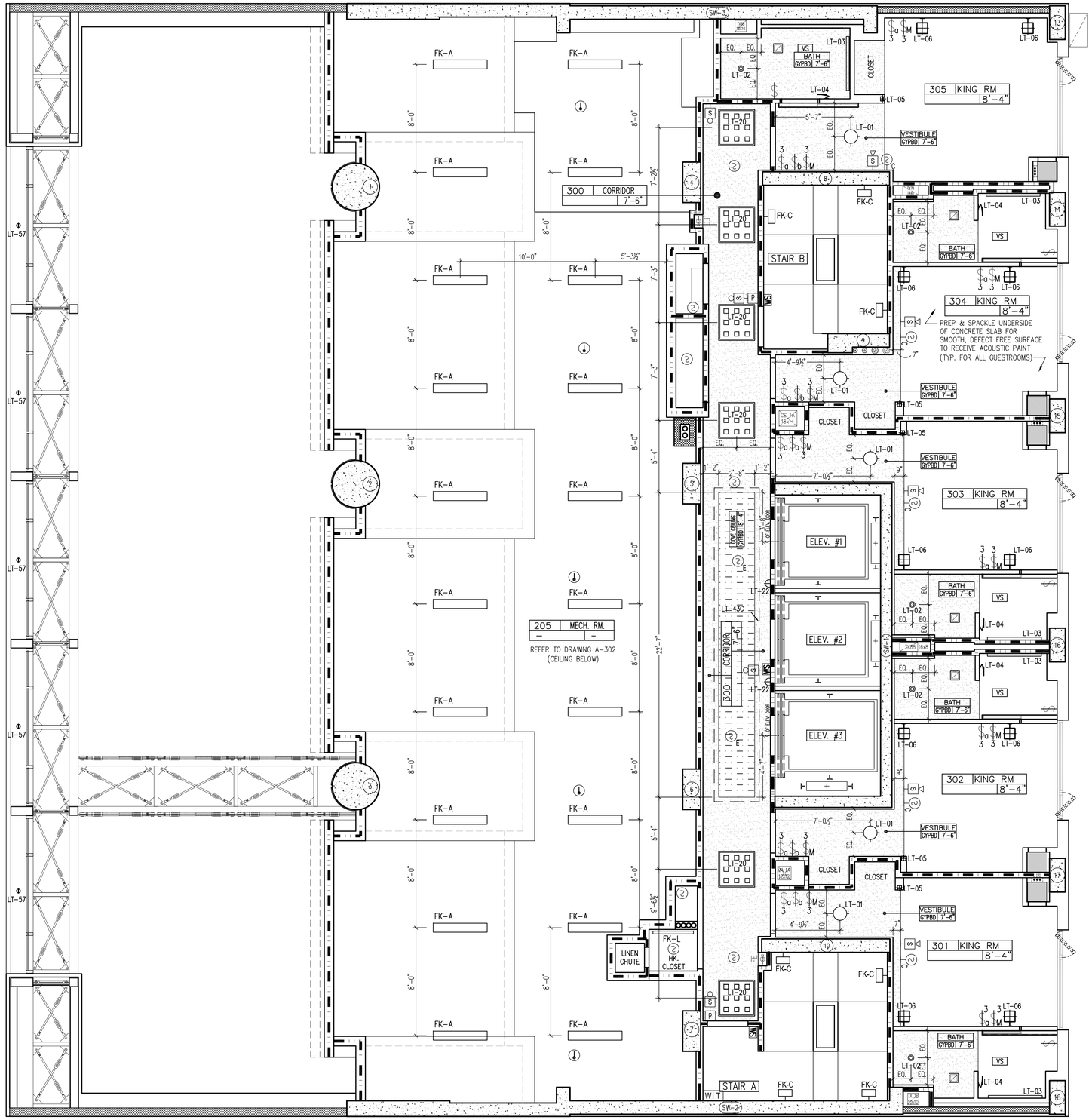
Drawing Number ## of

A-302.00

DOB B-Scan

21362

NOTE: REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.
REFER TO MECHANICAL DRAWINGS FOR TOILET EXHAUST.
REFER TO FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR DETAILED INFORMATION.



LEGEND

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SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

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AC 320 HOTEL PARTNERS LLC
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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

3rd
REFLECTED CEILING PLAN

Drawing Number ## of

A-303.00

DOB B-Scan

21362

NOTE: REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.
REFER TO MECHANICAL DRAWINGS FOR TOILET EXHAUST.
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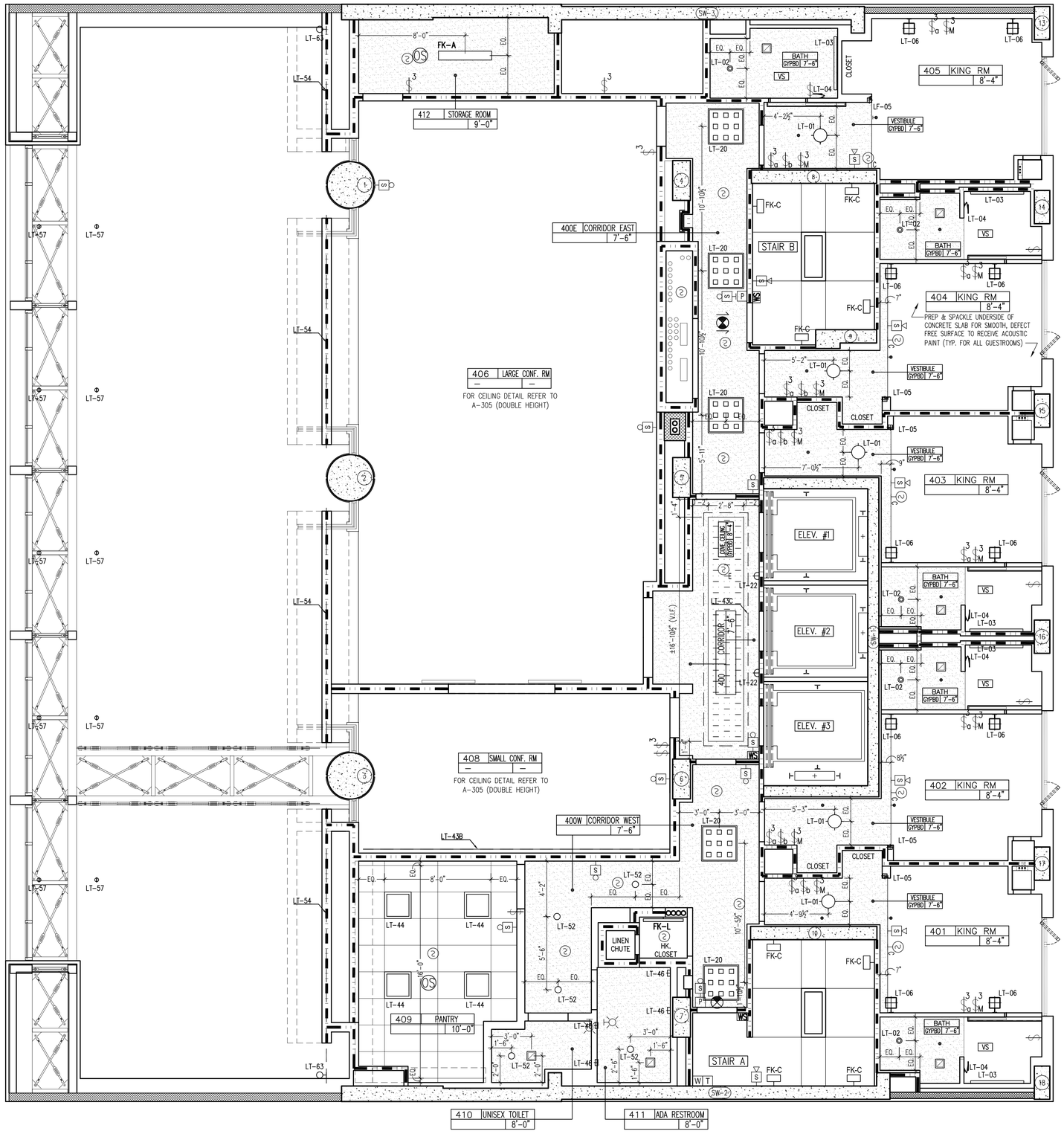

SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

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Project

AC 320 HOTEL PARTNERS LLC
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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

4th REFLECTED CEILING PLAN

Drawing Number ## of

1 A-304.00

DOB B-Scan

21362

NOTE: REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.
REFER TO MECHANICAL DRAWINGS FOR TOILET EXHAUST.
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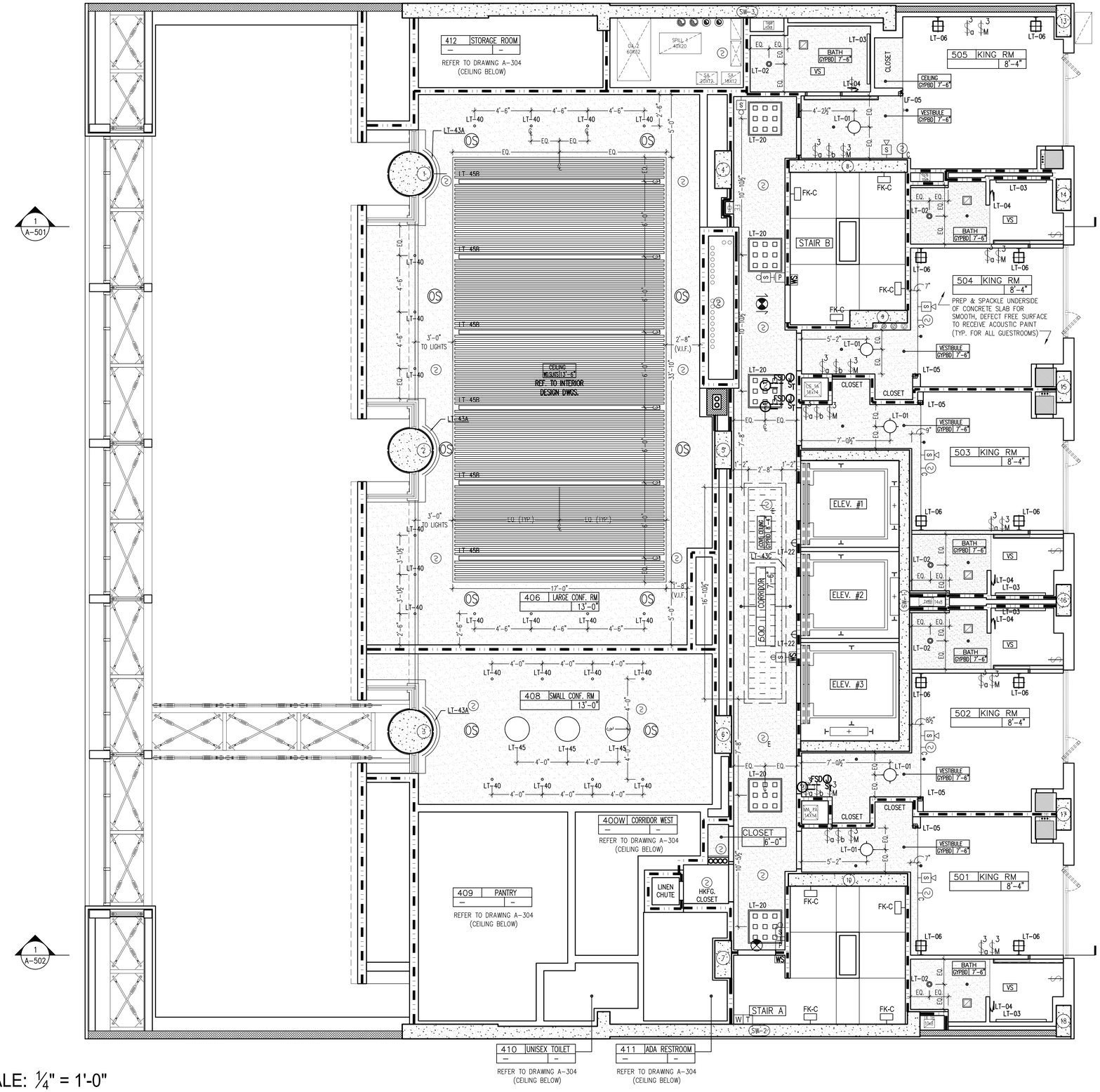

SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

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Issue Record

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Seal

Project

AC 320 HOTEL PARTNERS LLC
NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

5th REFLECTED CEILING PLAN

Drawing Number ## of

1 A-305.00

DOB B-Scan

21362

NOTE: REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.
REFER TO MECHANICAL DRAWINGS FOR TOILET EXHAUST.
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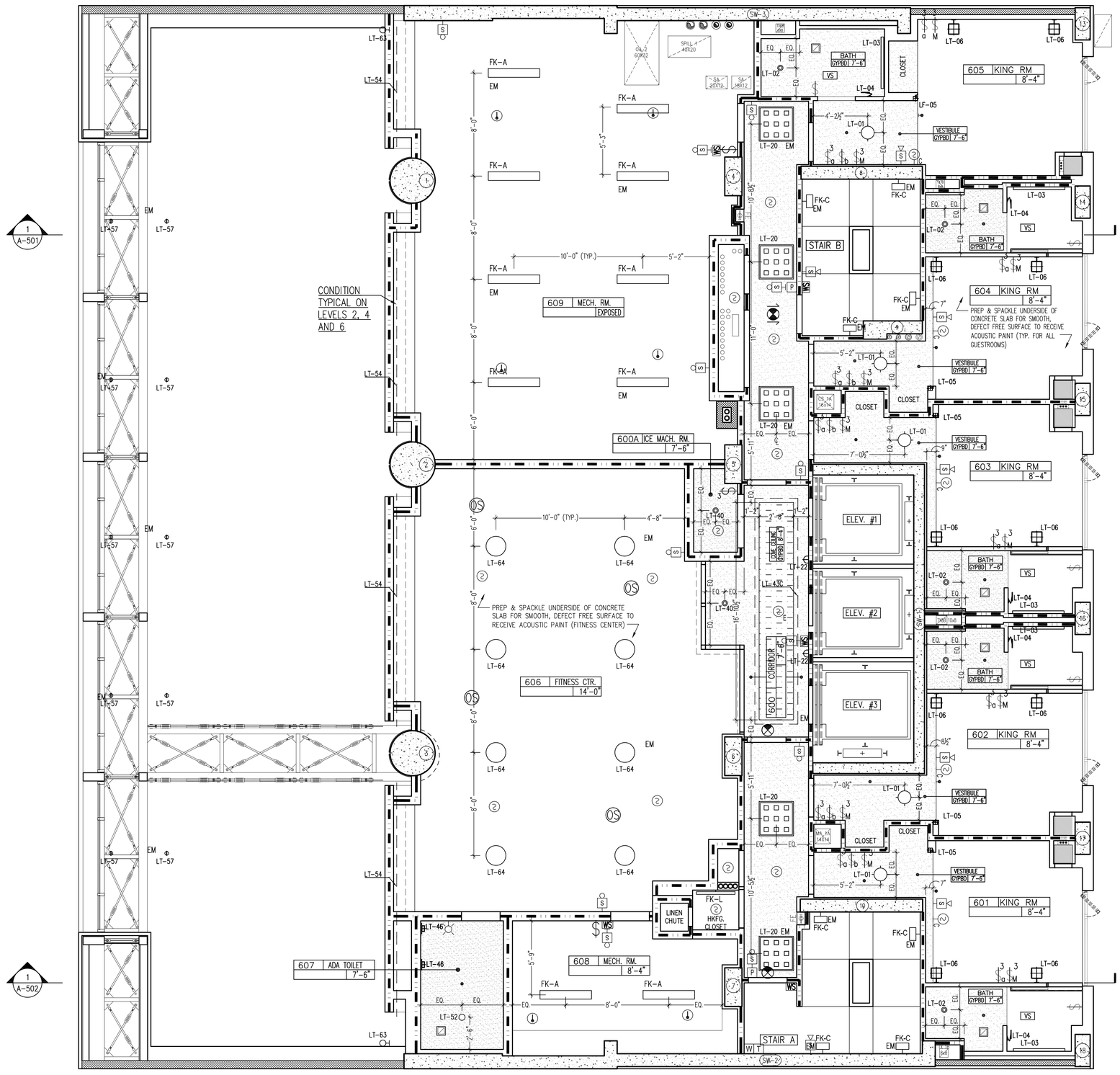

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- M — MASTER SWITCH

Issue Record

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09.15.2014	ISSUED FOR JOINT VENTURE
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Revision Record

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Seal

Project

AC 320 HOTEL PARTNERS LLC
NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

6th REFLECTED CEILING PLAN

Drawing Number ## of

V1 A-306.00

DOB B-Scan

21362

NOTE: REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.
REFER TO MECHANICAL DRAWINGS FOR TOILET EXHAUST.
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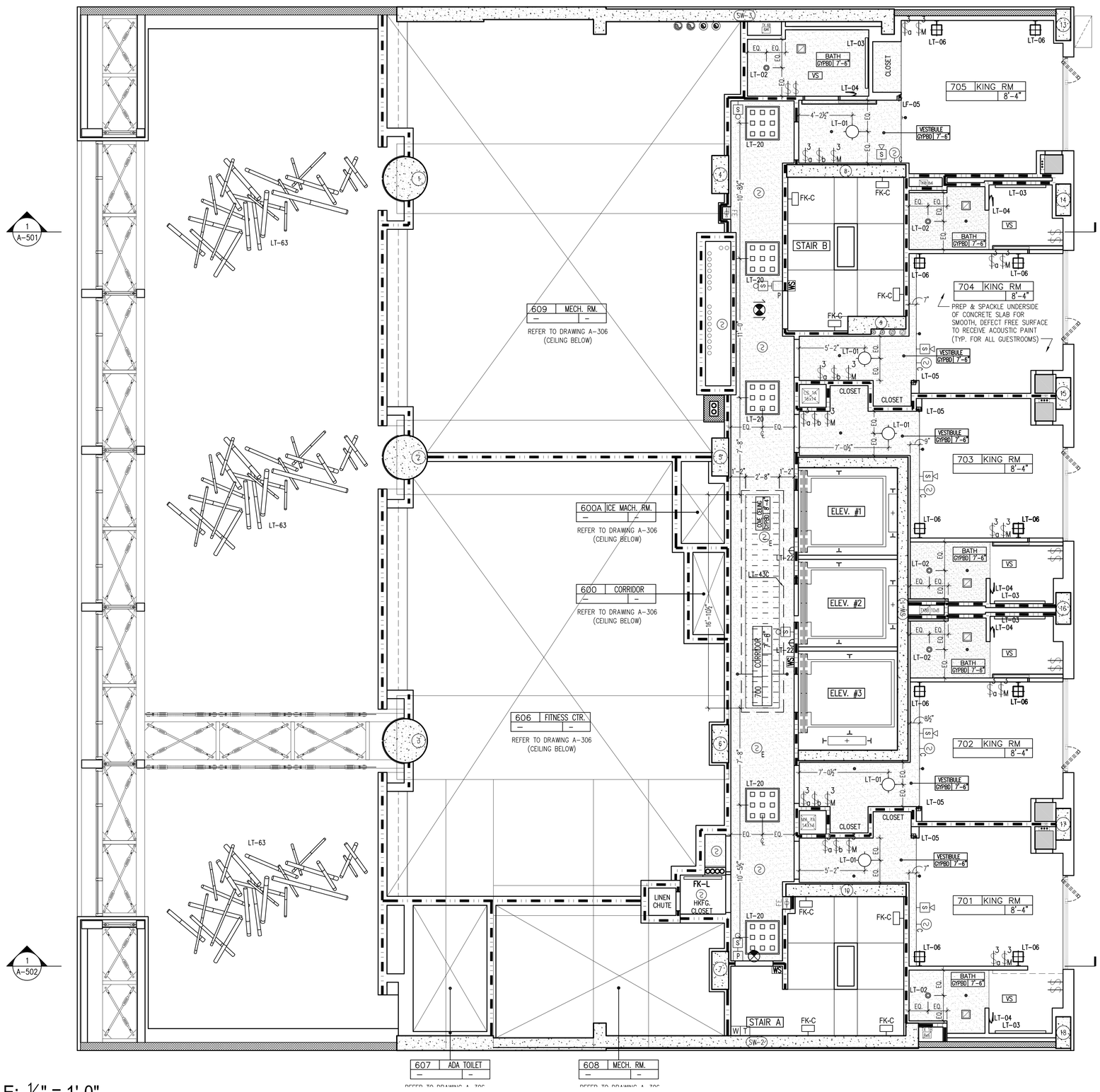

SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

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Seal

Project

AC 320 HOTEL PARTNERS LLC
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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

7th REFLECTED CEILING PLAN

Drawing Number ## of

V1 A-307.00

DOB B-Scan

21362

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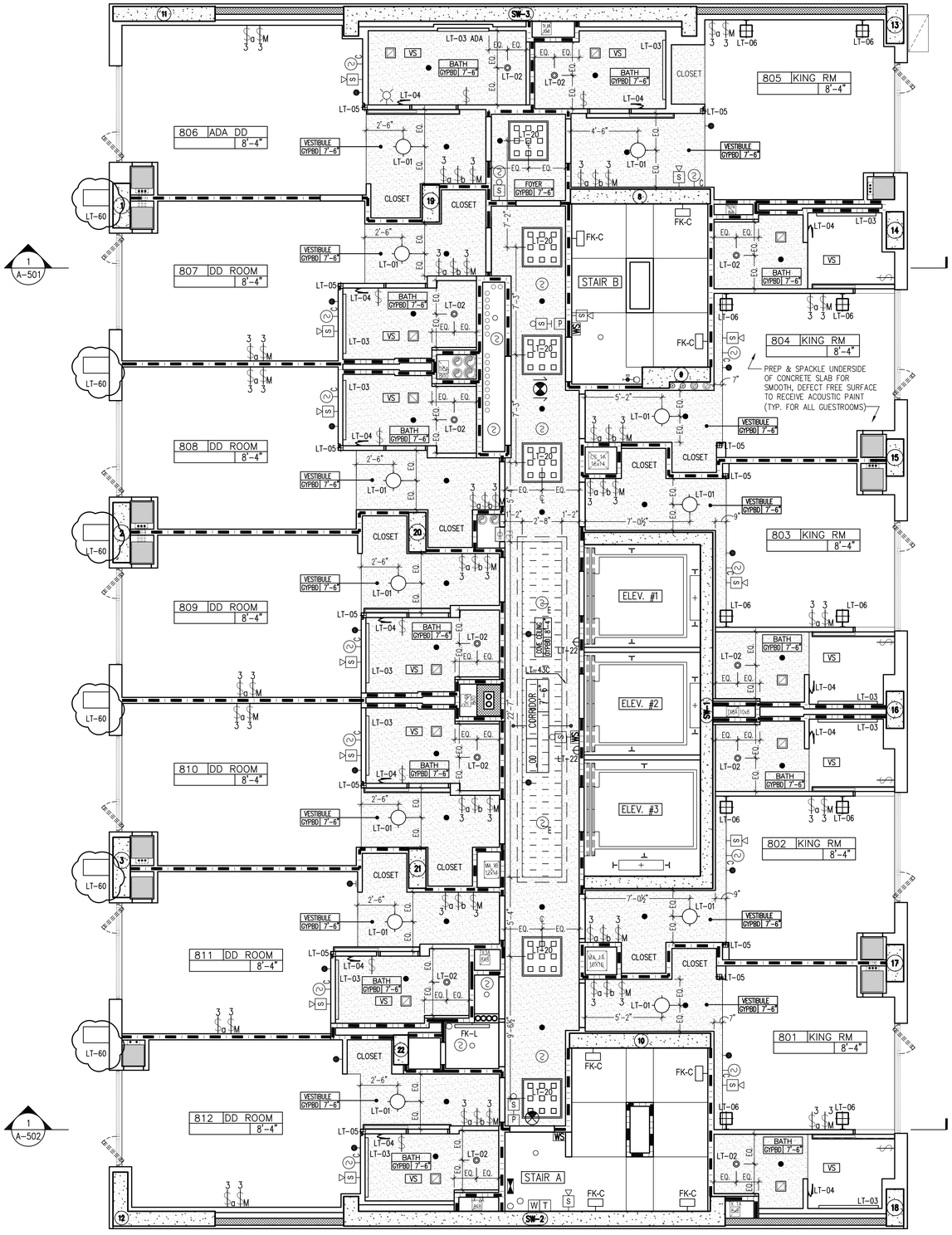

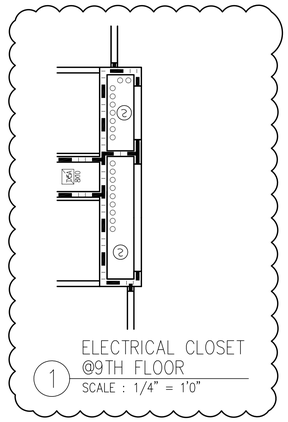

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BLOCK: 759 LOT: 55

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STONEHILL & TAYLOR
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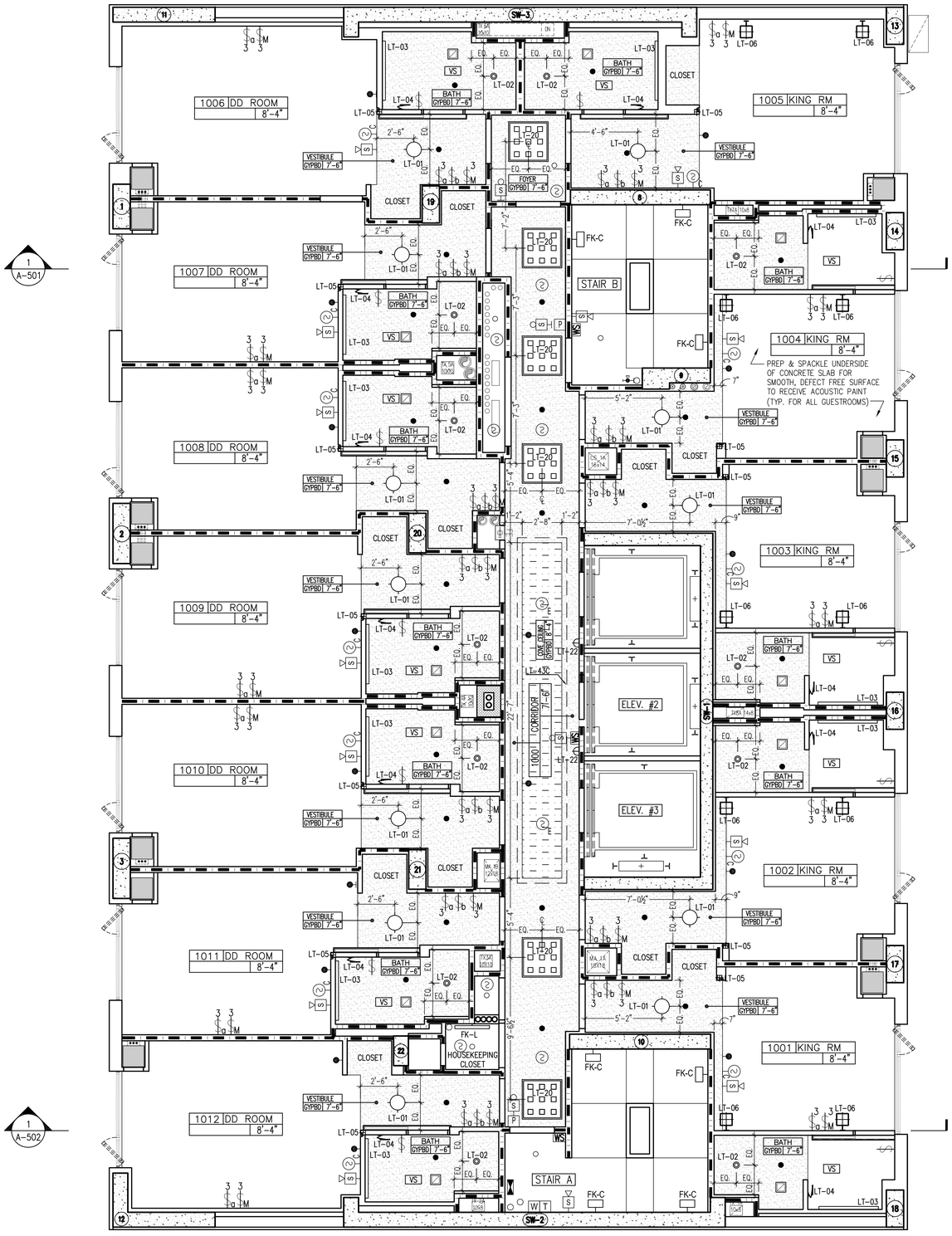
8th-9th REFLECTED CEILING PLAN

Drawing Number ## of

1 A-308.00

DOB B-Scan

21362



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- CUSTOM LIGHT FIXTURE. (SEE ELECTRICAL LIGHTING PLANS)
- FK-C — SURFACE MOUNTED FLUORESCENT WITH BUILT IN MOTION DETECTOR.
- FK-L — SURFACE MOUNTED FLUORESCENT.
- LT-06 — WALL SCONCE
- LT-01 — SURFACE MOUNTED LIGHT FIXTURE
- LT-04 — LIT MAKE-UP MIRROR
- LT-05 — RECESSED LED WALL LIGHT FIXTURE
- LED LIGHT STRIP
- WALL MOUNTED SPRINKLER HEAD
- CEILING MOUNTED SPRINKLER HEAD
- TOILET EXHAUST VENT
- SWITCH
- 3 — THREE-WAY SWITCH
- M — MASTER SWITCH

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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Seal

Project

AC 320 HOTEL PARTNERS LLC
NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

10th
REFLECTED CEILING
PLAN

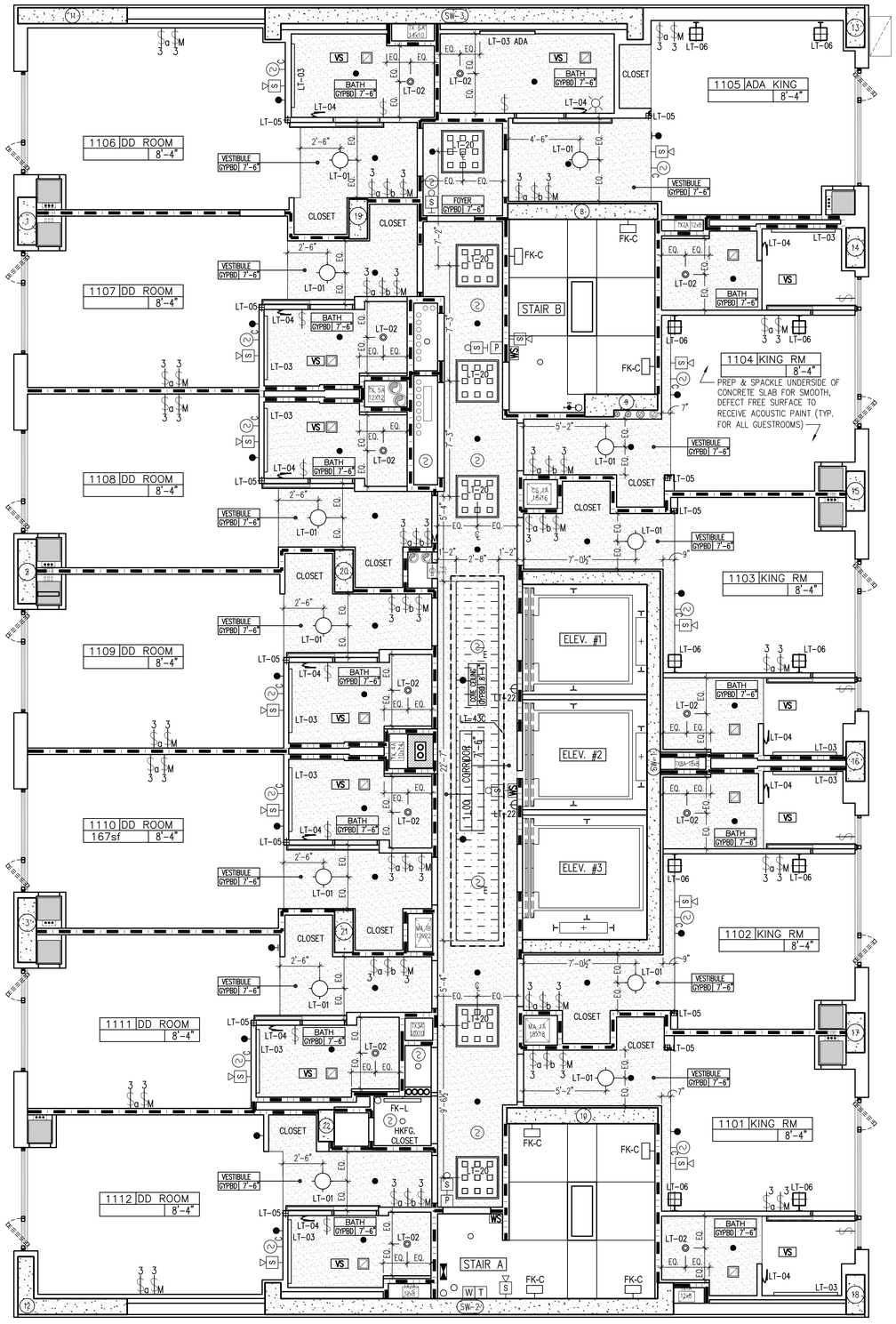
Drawing Number ## of

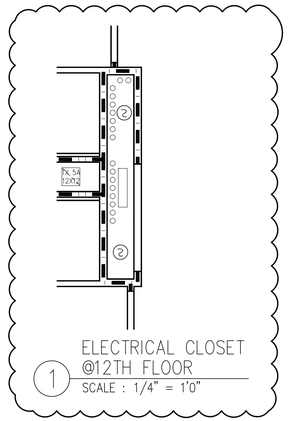
1 A-310.00

DOB B-Scan

21362

NOTE: REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.
REFER TO MECHANICAL DRAWINGS FOR TOILET EXHAUST.
REFER TO FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR DETAILED INFORMATION.





LEGEND

- EXIT SIGN (WALL/CEILING MOUNTED)
- CEILING AND WALL MOUNTED COMBINATION SMOKE DETECTORS: E = ELEVATOR RECALL, C = CARBON MONOXIDE
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- MASTER SWITCH

SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

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AC 320 HOTEL PARTNERS LLC
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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

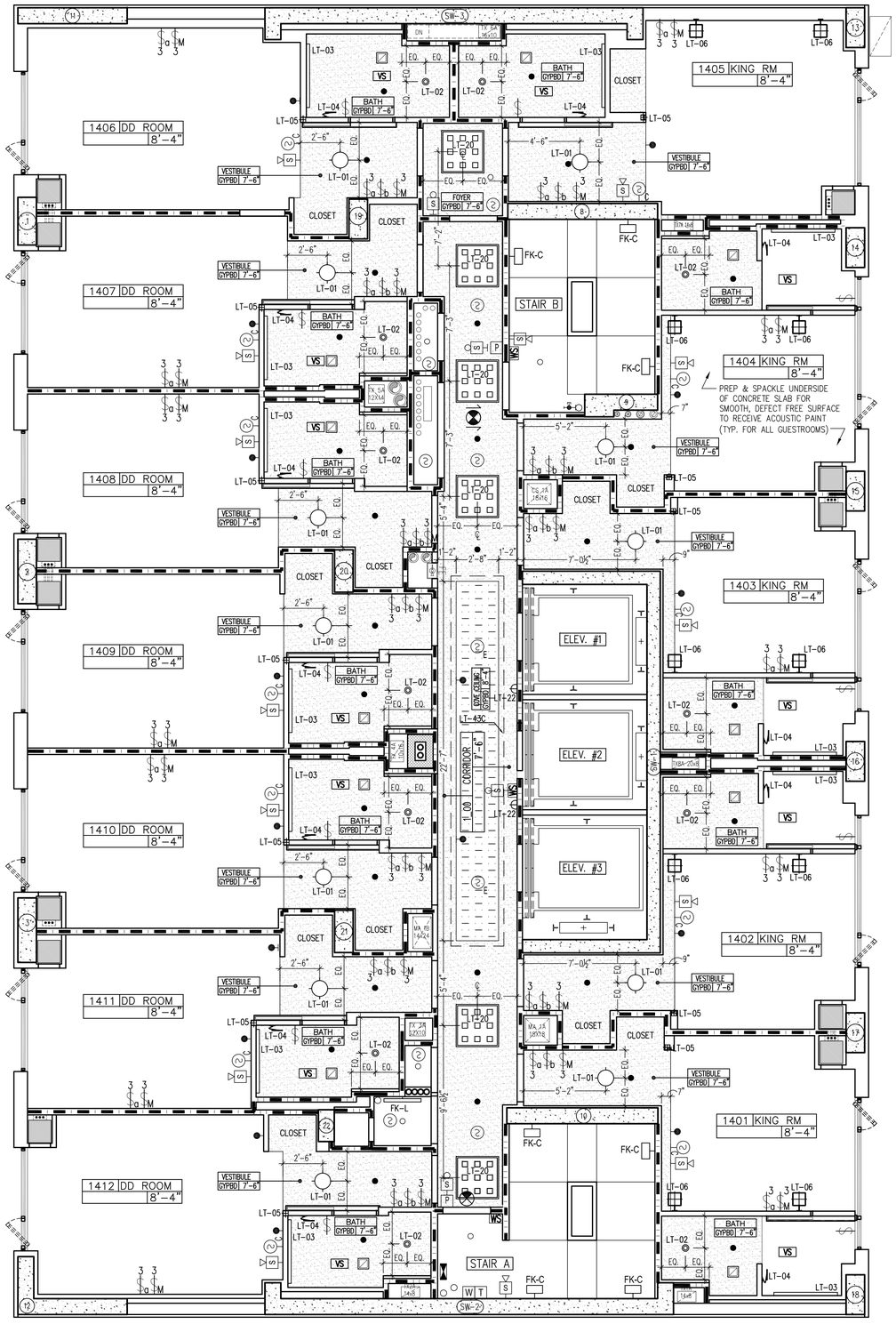
11th - 13th REFLECTED CEILING PLAN

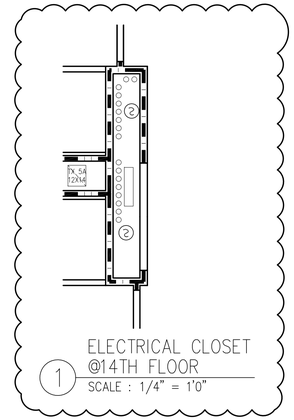
Drawing Number ## of

1 A-311.00

DOB B-Scan

21362





LEGEND

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- CEILING MOUNTED SPRINKLER HEAD
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- THREE-WAY SWITCH
- MASTER SWITCH

SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

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10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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AC 320 HOTEL PARTNERS LLC
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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

14th -15th REFLECTED CEILING PLANS

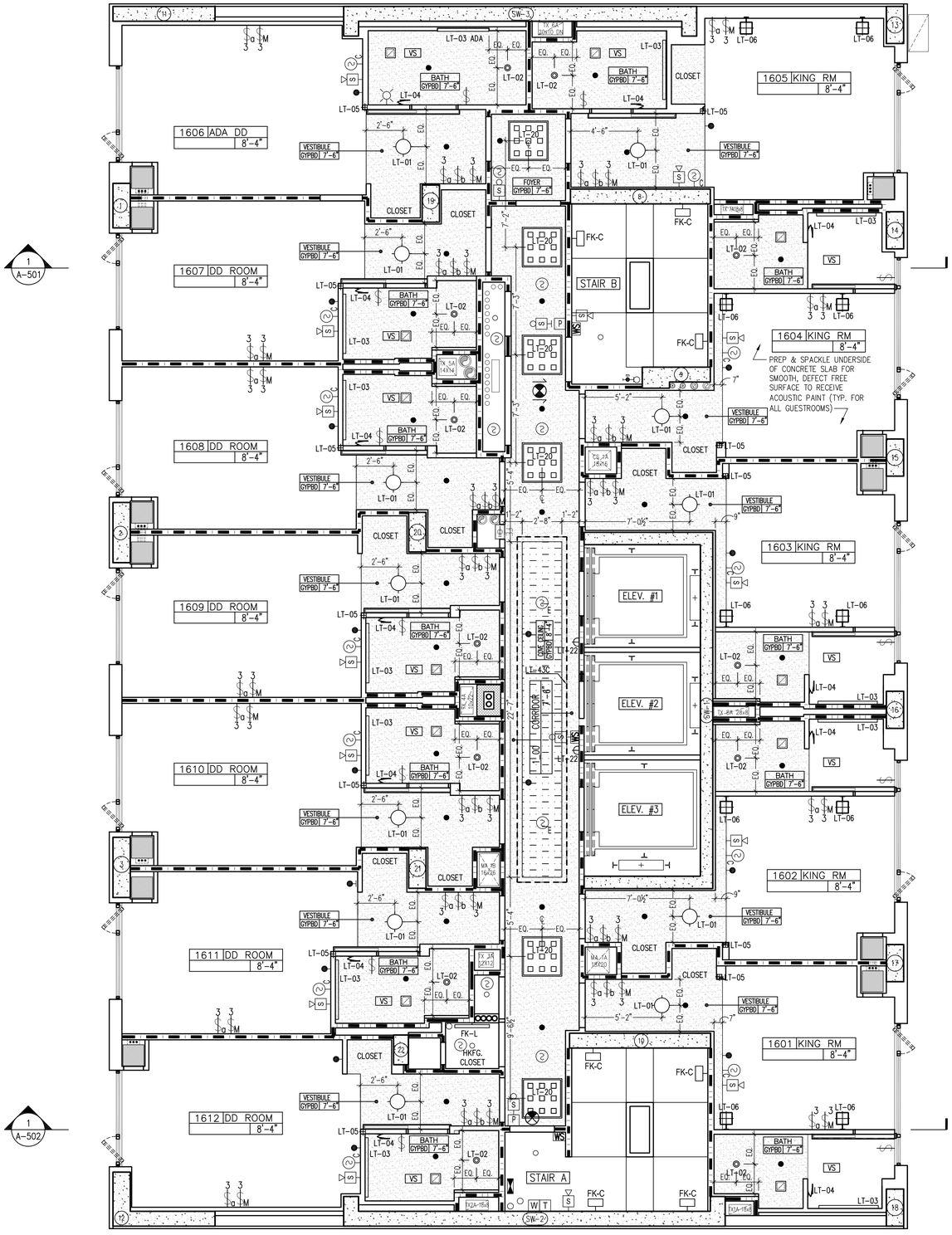
Drawing Number ## of

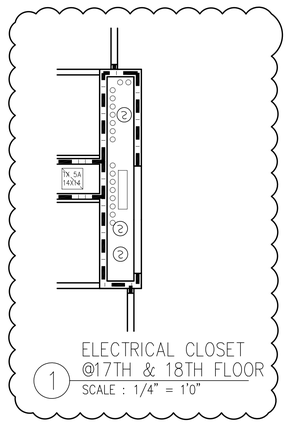
V1 A-314.00

DOB B-Scan

21362

NOTE: REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.
REFER TO MECHANICAL DRAWINGS FOR TOILET EXHAUST.
REFER TO FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR DETAILED INFORMATION.





LEGEND

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- CEILING AND WALL MOUNTED COMBINATION SMOKE DETECTORS: E = ELEVATOR RECALL, C = CARBON MONOXIDE
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- LED LIGHT STRIP
- WALL MOUNTED SPRINKLER HEAD
- CEILING MOUNTED SPRINKLER HEAD
- TOILET EXHAUST VENT
- SWITCH
- THREE-WAY SWITCH
- MASTER SWITCH

SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

Issue Record

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09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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AC 320 HOTEL PARTNERS LLC
NEW YORK, NY 10018

STONEHILL & TAYLOR
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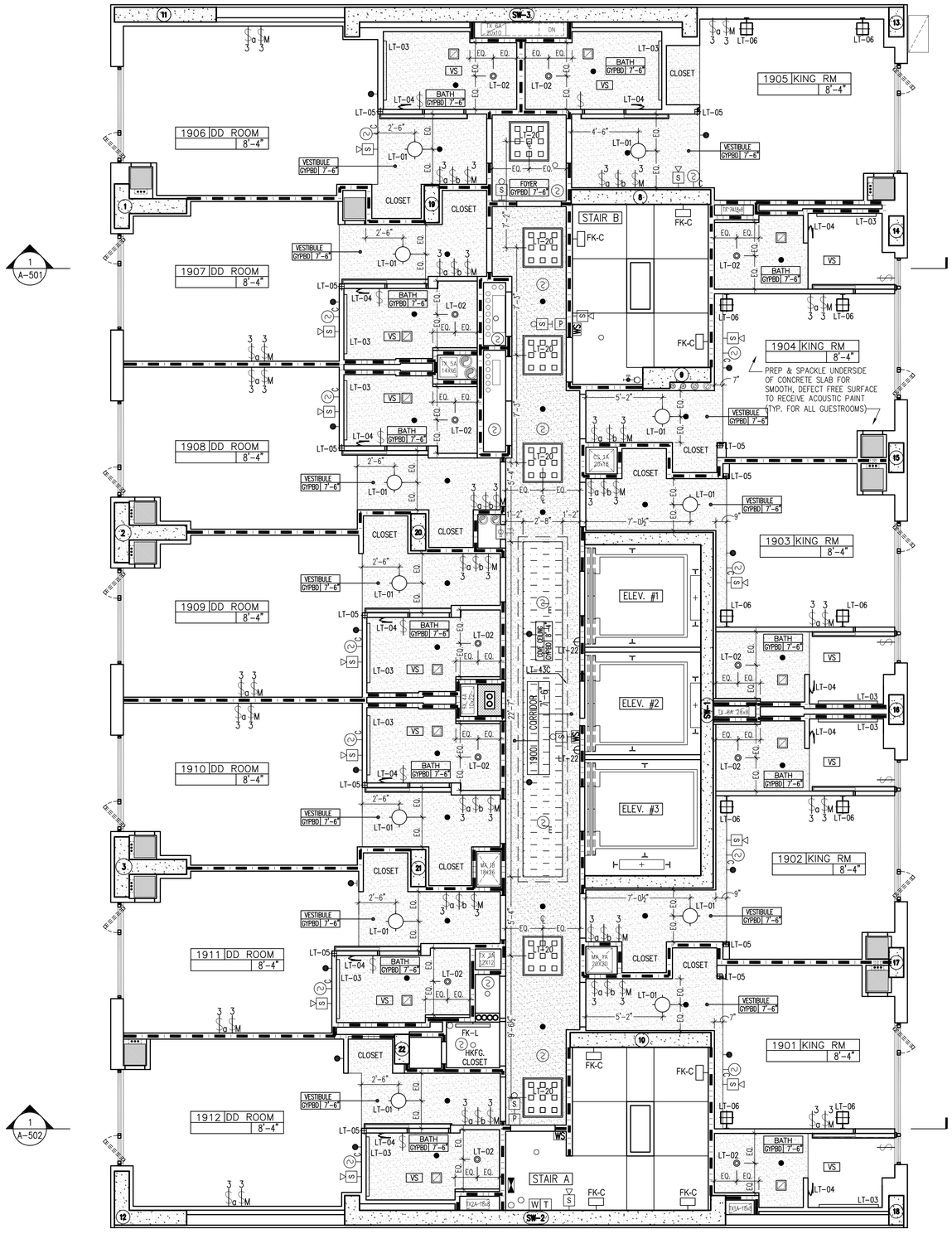
16th - 18th
REFLECTED CEILING PLAN

Drawing Number ## of

1 A-316.00

DOB B-Scan

21362



1 A-501

1 A-502

NOTE: REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.
REFER TO MECHANICAL DRAWINGS FOR TOILET EXHAUST.
REFER TO FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR DETAILED INFORMATION.

LEGEND

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- P — MANUAL PULL STATION
- S — FIRE ALARM SPEAKER; WALL MOUNTED
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- LT-05 — RECESSED LED WALL LIGHT FIXTURE
- LED LIGHT STRIP
- WALL MOUNTED SPRINKLER HEAD
- CEILING MOUNTED SPRINKLER HEAD
- TOILET EXHAUST VENT
- SWITCH
- THREE-WAY SWITCH
- M — MASTER SWITCH

SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

Issue Record

02.28.2014	D.O.B. SUBMISSION
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09.15.2014	ISSUED FOR JOINT VENTURE
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Revision Record

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NEW YORK, NY 10018

STONEHILL & TAYLOR
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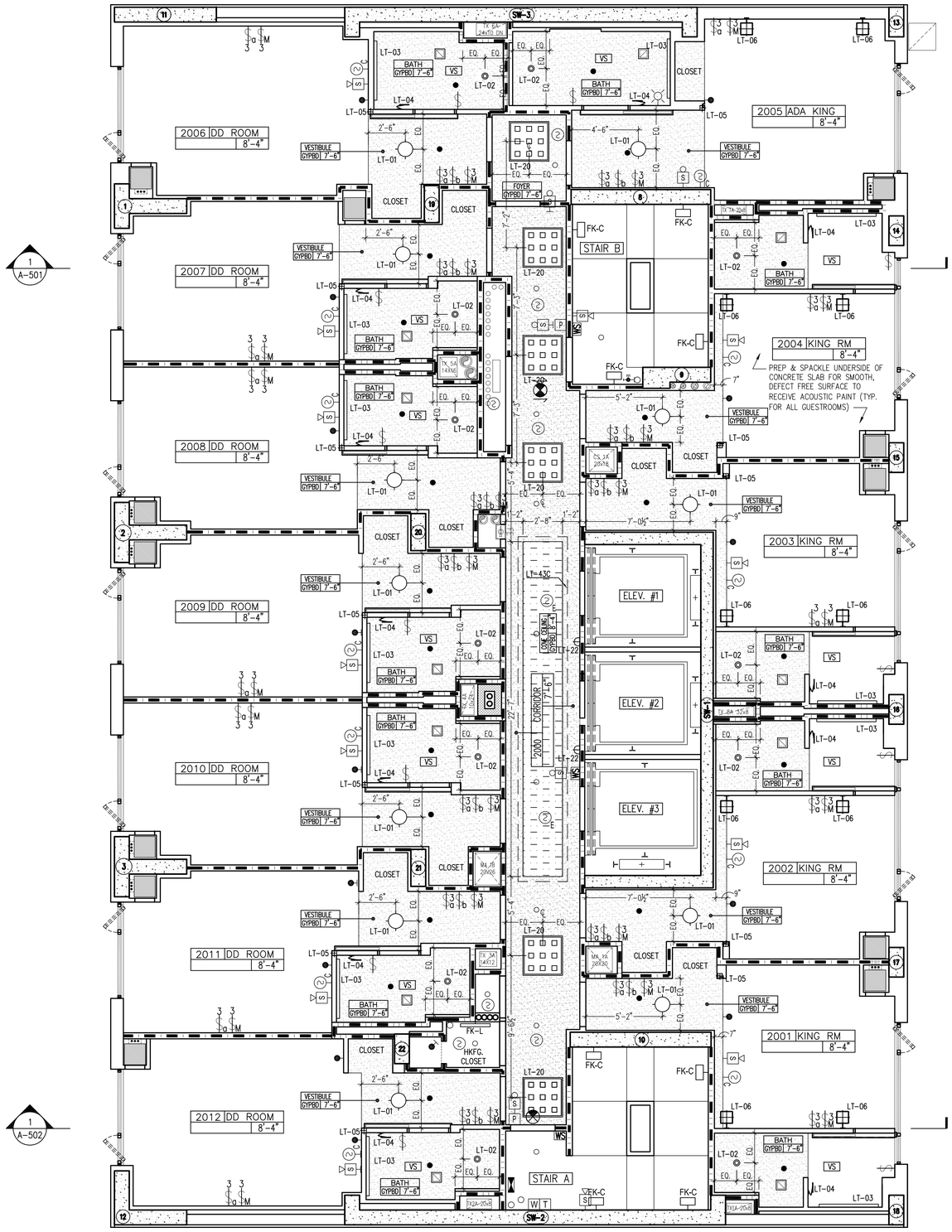
19th
REFLECTED CEILING PLAN

Drawing Number ## of

1 A-319.00

DOB B-Scan

21362



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SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

Issue Record

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AC 320 HOTEL PARTNERS LLC
NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

20th REFLECTED CEING PLAN

Drawing Number ## of

1 A-320.00

DOB B-Scan

21362

NOTE: REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.
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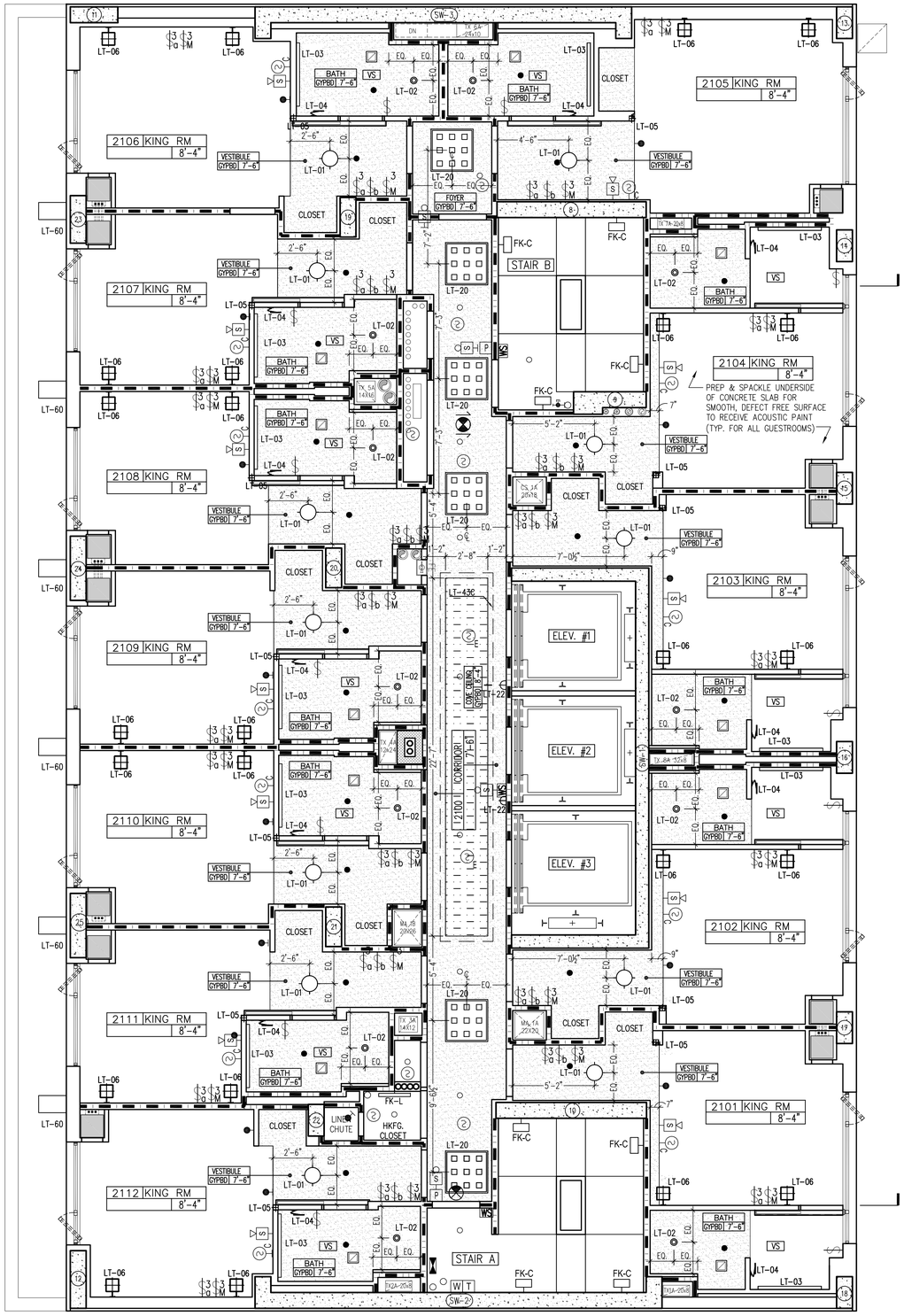

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NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

21st
REFLECTED CEILING PLAN

Drawing Number ## of

1 A-321.00

DOB B-Scan

21362

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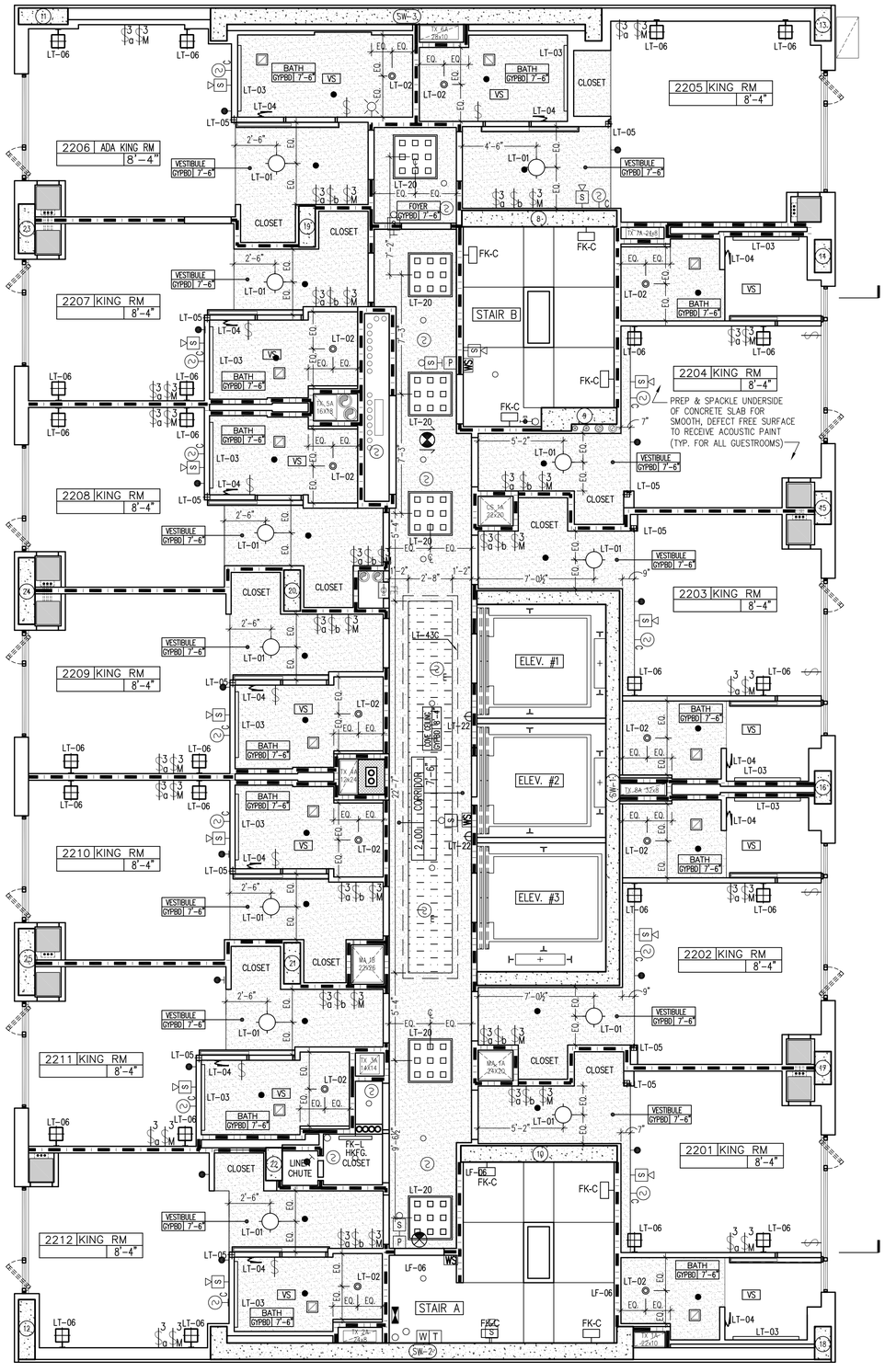
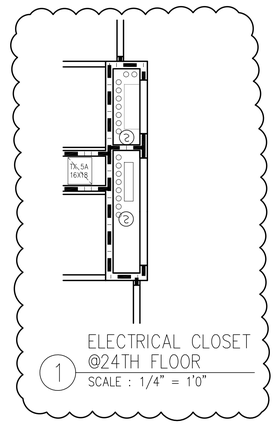
REFER TO FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR DETAILED INFORMATION.





LEGEND

- EXIT SIGN (WALL/CEILING MOUNTED)
- CEILING AND WALL MOUNTED COMBINATION SMOKE DETECTORS: E = ELEVATOR RECALL, C = CARBON MONOXIDE
- MANUAL PULL STATION
- FIRE ALARM SPEAKER; WALL MOUNTED
- COMBINATION FIRE ALARM SPEAKER/VISUAL ALARM; WALL MOUNTED
- WARDEN STATION
- CUSTOM LIGHT FIXTURE. (SEE ELECTRICAL LIGHTING PLANS)
- FK-C: SURFACE MOUNTED FLUORESCENT WITH BUILT IN MOTION DETECTOR.
- FK-L: SURFACE MOUNTED FLUORESCENT.
- LT-06: WALL SCONCE
- LT-01: SURFACE MOUNTED LIGHT FIXTURE
- LT-04: LIT MAKE-UP MIRROR
- LT-05: RECESSED LED WALL LIGHT FIXTURE
- LED LIGHT STRIP
- WALL MOUNTED SPRINKLER HEAD
- CEILING MOUNTED SPRINKLER HEAD
- TOILET EXHAUST VENT
- SWITCH
- THREE-WAY SWITCH
- MASTER SWITCH

SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

22nd-24th RFFLECTED CEILING PLANS

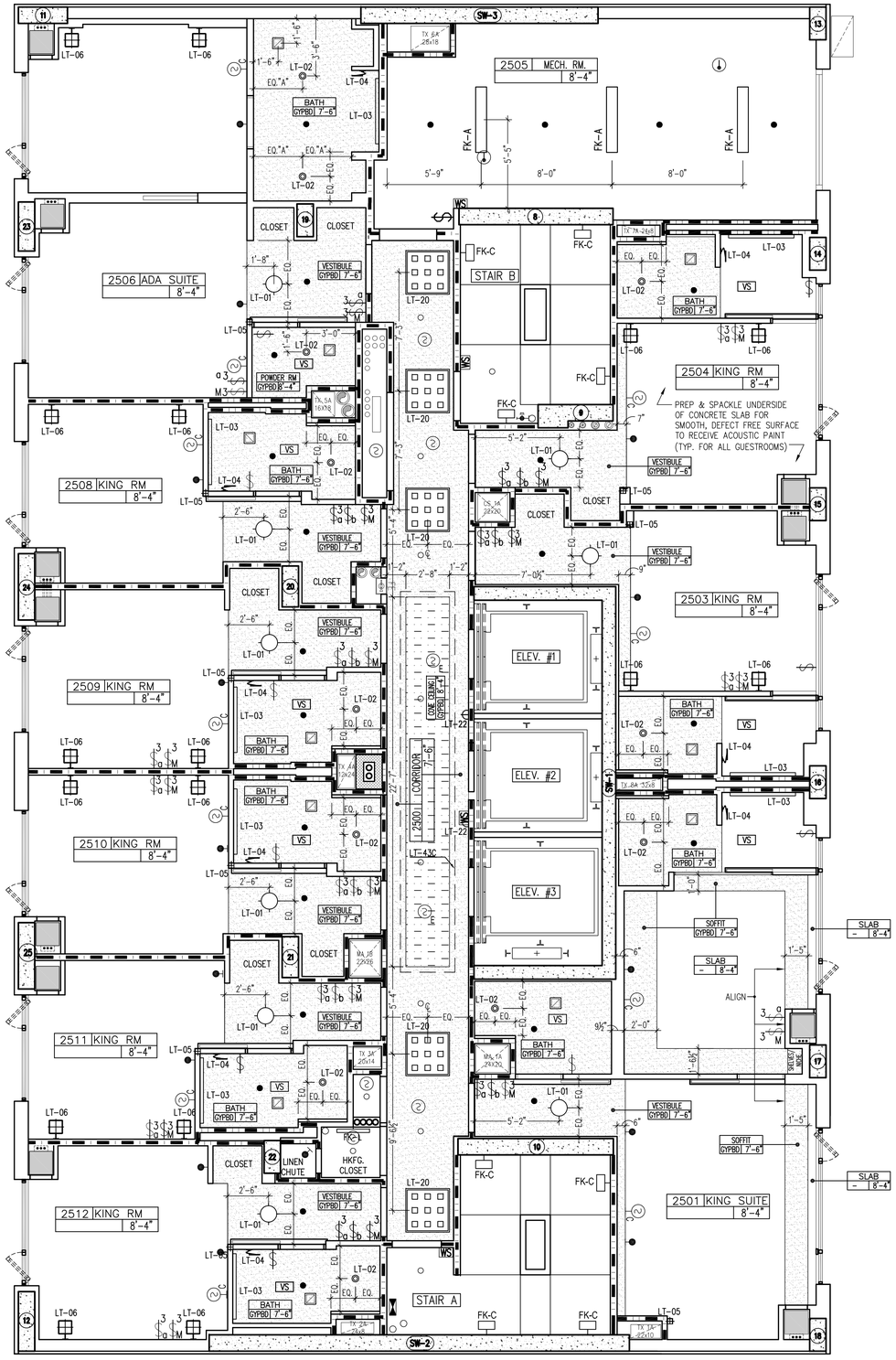
Drawing Number ## of

1 A-322.00

DOB B-Scan

21362

6 / 13 / 2011 20013-TITLE-ZONING.DWG Plotted: 10 / 8 / 2014 by: Kvets | 21362-TB-24JOB -NOBI | 21362_22-24RD FLOOR PLAN | 21362_SHEARWALLS 21-24 | RCP NOTES | SPRINKLER 22-24 FLOOR | A[-322.00 | LEGEND



NOTE: REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.
REFER TO MECHANICAL DRAWINGS FOR TOILET EXHAUST.
REFER TO FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR DETAILED INFORMATION.

LEGEND

- EXIT SIGN (WALL/CEILING MOUNTED)
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- LED LIGHT STRIP
- WALL MOUNTED SPRINKLER HEAD
- CEILING MOUNTED SPRINKLER HEAD
- TOILET EXHAUST VENT
- SWITCH
- THREE-WAY SWITCH
- MASTER SWITCH

SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

Issue Record

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07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

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AC 320 HOTEL PARTNERS LLC
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ARCHITECTS AND PLANNERS

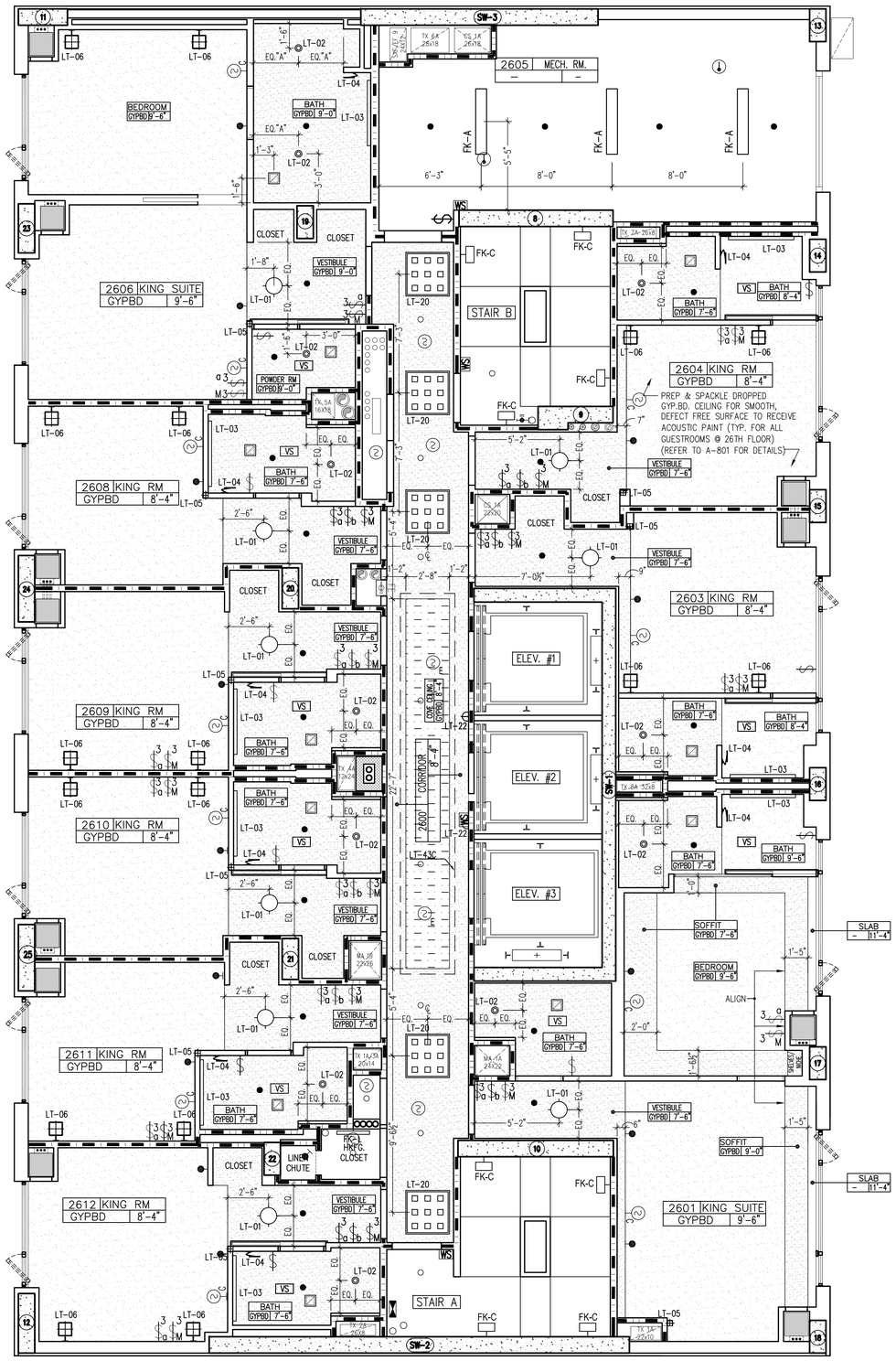
25th
REFLECTED CEILING PLAN

Drawing Number ## of

1 A-325.00

DOB B-Scan

21362



SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

NOTE: REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.
REFER TO MECHANICAL DRAWINGS FOR TOILET EXHAUST.
REFER TO FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR DETAILED INFORMATION.

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- LT-05: RECESSED LED WALL LIGHT FIXTURE
- LED LIGHT STRIP
- WALL MOUNTED SPRINKLER HEAD
- CEILING MOUNTED SPRINKLER HEAD
- TOILET EXHAUST VENT
- SWITCH
- THREE-WAY SWITCH
- MASTER SWITCH

Issue Record

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07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

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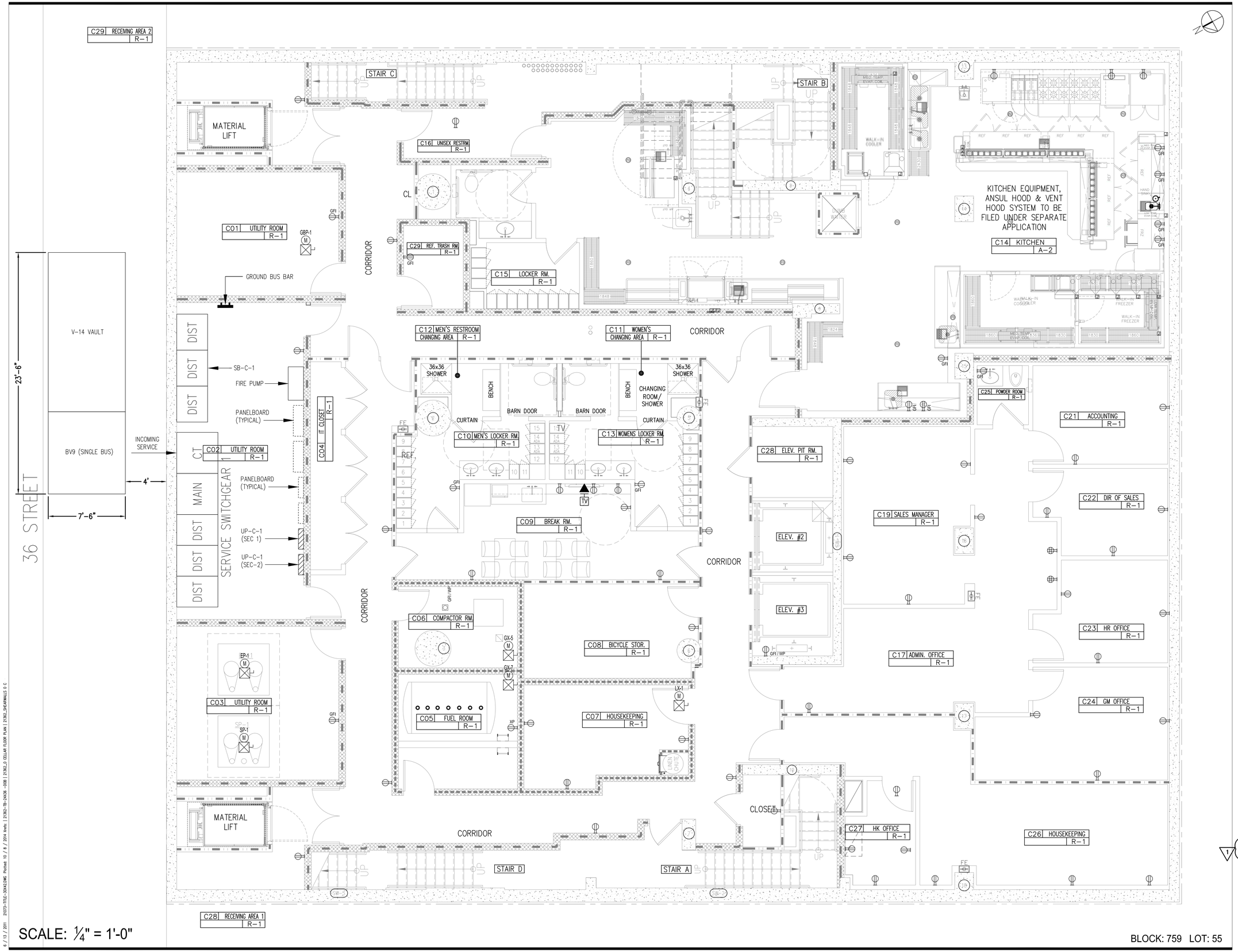
26th REFLECTED CEILING PLAN

Drawing Number ## of

1 A-326.00

DOB B-Scan

21362



SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

6 / 13 / 2011 2013-TITLE-30X42.DWG Plotted: 10 / 8 / 2014 by:efs | 21362-15-2A08 -008 | 21362_D CELLAR FLOOR PLAN | 21362_DRAWINGS D C

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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ARCHITECTS AND PLANNERS

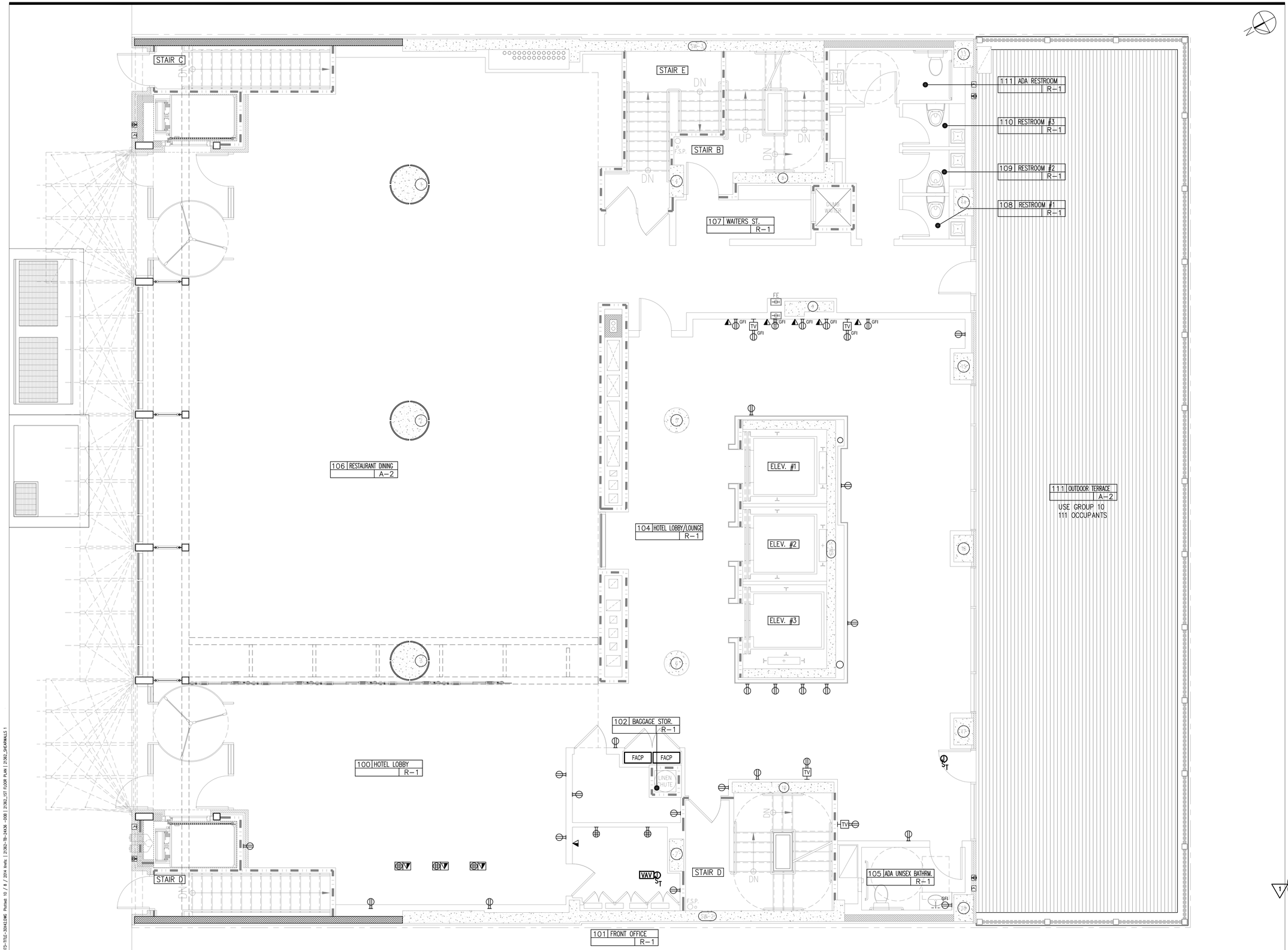
CELLAR FLOOR PLAN POWER AND DATA

Drawing Number ## of

1 A-400.00

DOB B-Scan

21362



SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

6 / 13 / 2011 20131-TITLE-30X42.DWG Plotted: 10 / 8 / 2014 by eb | 21362-15-2AOB -008 | 21362_1ST FLOOR PLAN | 21362_SHEARWALLS 1

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
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07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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Project

AC 320 HOTEL PARTNERS LLC
NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

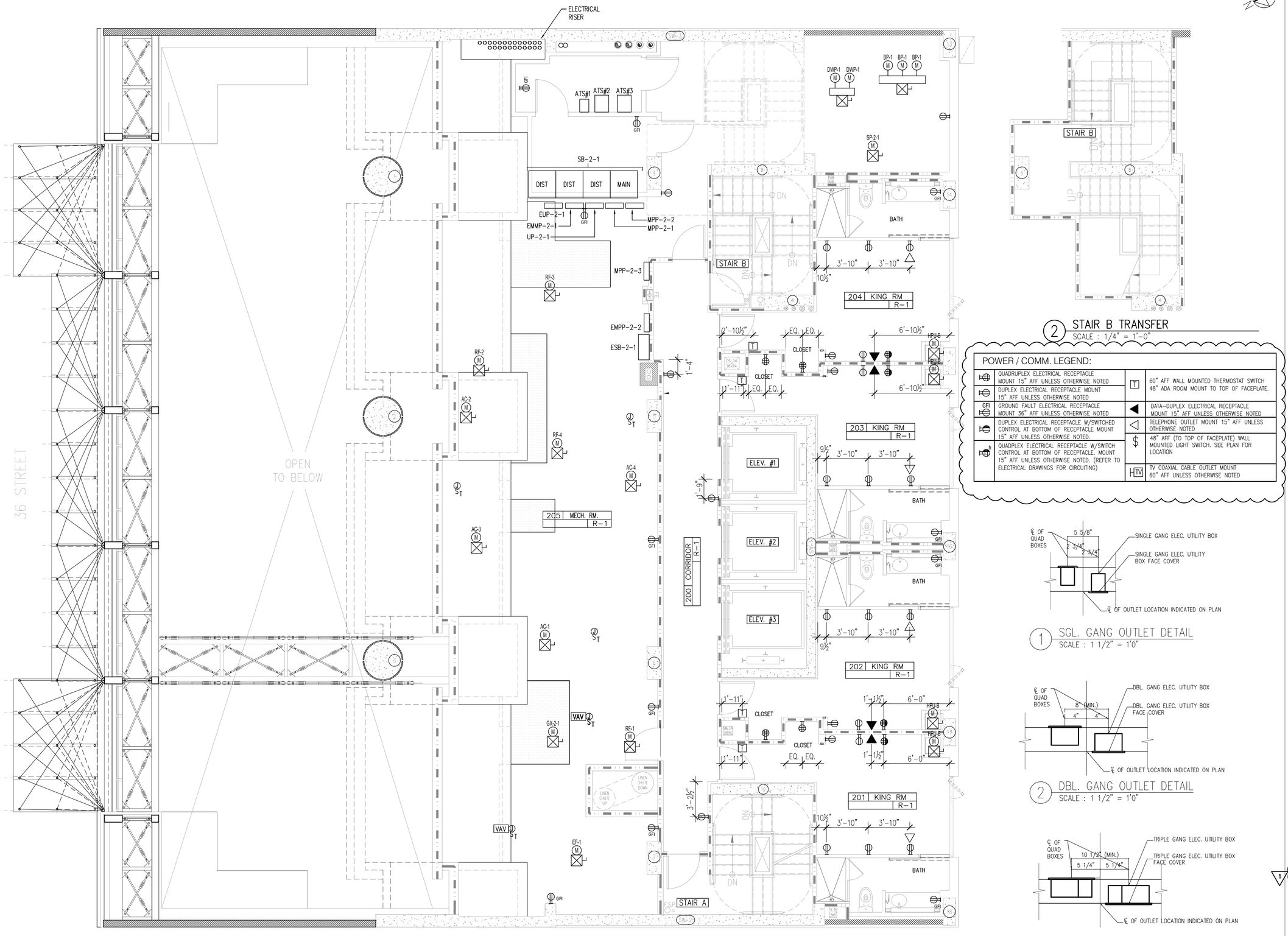
GROUND FLOOR PLAN POWER AND DATA

Drawing Number ## of

1 A-401.00

DOB B-Scan

21362



2 STAIR B TRANSFER
SCALE : 1/4" = 1'-0"

POWER / COMM. LEGEND:

QUADRUPLEX ELECTRICAL RECEPTACLE MOUNT 15" AFF UNLESS OTHERWISE NOTED	T 60" AFF WALL MOUNTED THERMOSTAT SWITCH 48" ADA ROOM MOUNT TO TOP OF FACEPLATE.
DUPLEX ELECTRICAL RECEPTACLE MOUNT 15" AFF UNLESS OTHERWISE NOTED	
GFI GROUND FAULT ELECTRICAL RECEPTACLE MOUNT 36" AFF UNLESS OTHERWISE NOTED	DATA-DUPLEX ELECTRICAL RECEPTACLE MOUNT 15" AFF UNLESS OTHERWISE NOTED
DUPLEX ELECTRICAL RECEPTACLE W/SWITCHED CONTROL AT BOTTOM OF RECEPTACLE MOUNT 15" AFF UNLESS OTHERWISE NOTED.	TELEPHONE OUTLET MOUNT 15" AFF UNLESS OTHERWISE NOTED
QUADPLEX ELECTRICAL RECEPTACLE W/SWITCH CONTROL AT BOTTOM OF RECEPTACLE. MOUNT 15" AFF UNLESS OTHERWISE NOTED. (REFER TO ELECTRICAL DRAWINGS FOR CIRCUITING)	$ 48" AFF (TO TOP OF FACEPLATE) WALL MOUNTED LIGHT SWITCH. SEE PLAN FOR LOCATION
	TV TV COAXIAL CABLE OUTLET MOUNT 60" AFF UNLESS OTHERWISE NOTED

1 SGL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"

2 DBL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"

3 TRIPLE GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"

SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

6 / 13 / 2014 21075-TITLE-3DX42.DWG Plotted: 10 / 8 / 2014 9:46:1 | 21362-TB-2AXSE -DOB | 21362_2ND FLOOR PLAN | 21362_SHEAVEWALLS 2 | POWER LEGEND-NOTES | 21362_TRUSS PLAN 2_2

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
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Revision Record

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NEW YORK, NY 10018

STONEHILL & TAYLOR
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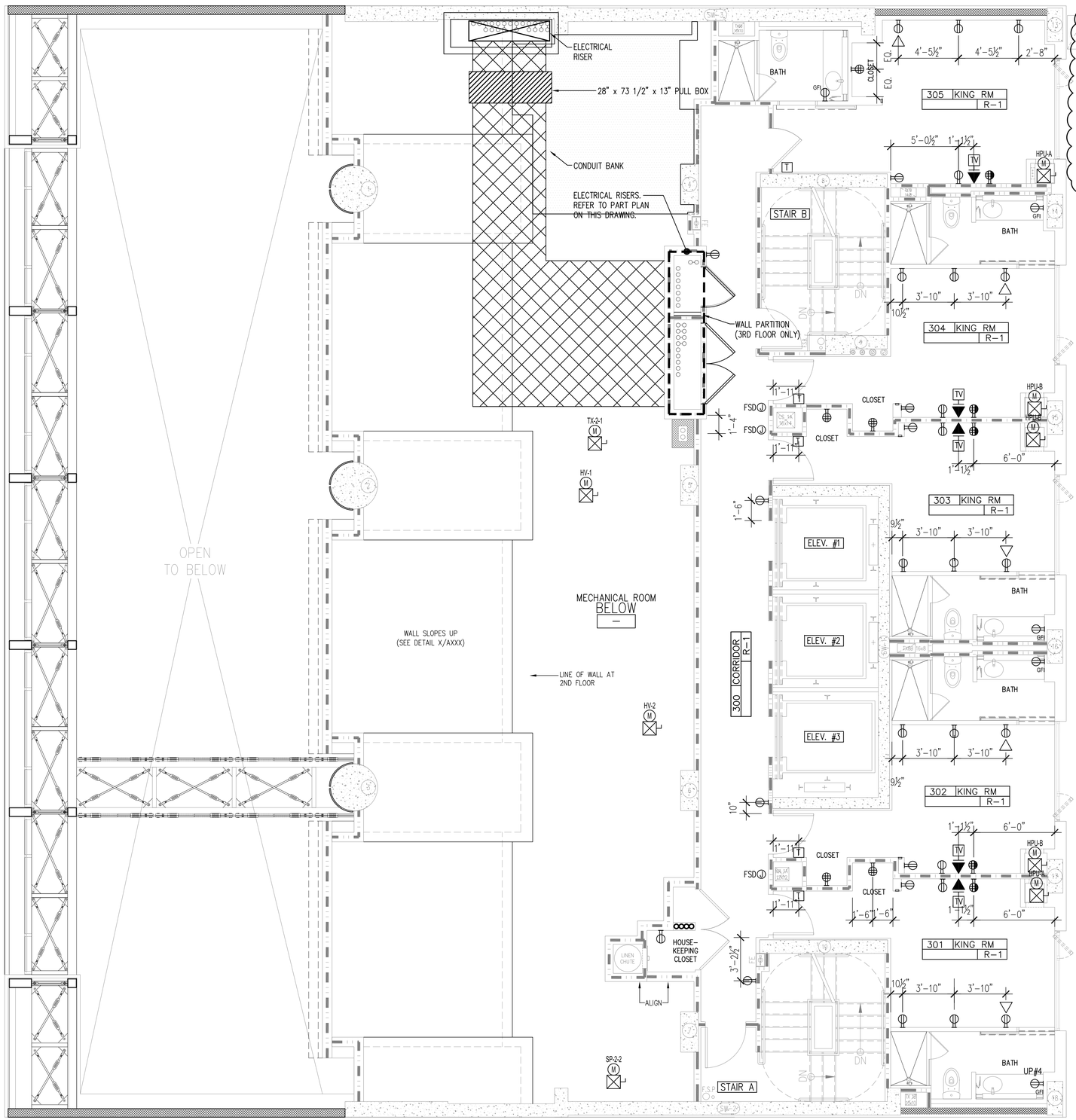
2nd FLOOR PLAN POWER AND DATA

Drawing Number ## of

1 A-402.00

DOB B-Scan

21362



SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

POWER / COMM. LEGEND:

⊕	QUADRUPLEX ELECTRICAL RECEPTACLE MOUNT 15" AFF UNLESS OTHERWISE NOTED	T	60" AFF WALL MOUNTED THERMOSTAT SWITCH 48" ADA ROOM MOUNT TO TOP OF FACEPLATE.
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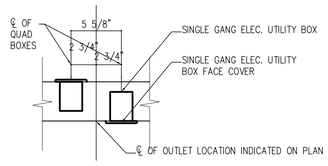
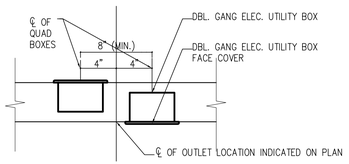
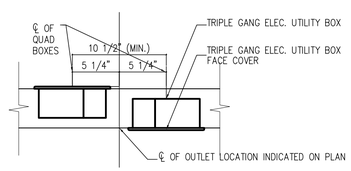
GFI ⊖	GROUND FAULT ELECTRICAL RECEPTACLE MOUNT 36" AFF UNLESS OTHERWISE NOTED	◁	TELEPHONE OUTLET MOUNT 15" AFF UNLESS OTHERWISE NOTED
⊖	DUPLEX ELECTRICAL RECEPTACLE W/SWITCHED CONTROL AT BOTTOM OF RECEPTACLE MOUNT 15" AFF UNLESS OTHERWISE NOTED.	$	48" AFF (TO TOP OF FACEPLATE) WALL MOUNTED LIGHT SWITCH. SEE PLAN FOR LOCATION
⊖ᵇ	QUADPLEX ELECTRICAL RECEPTACLE W/SWITCH CONTROL AT BOTTOM OF RECEPTACLE. MOUNT 15" AFF UNLESS OTHERWISE NOTED. (REFER TO ELECTRICAL DRAWINGS FOR CIRCUITING)	HTV	TV COAXIAL CABLE OUTLET MOUNT 60" AFF UNLESS OTHERWISE NOTED



1 SGL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"



2 DBL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"



3 TRIPLE GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"

Issue Record

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Revision Record

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STONEHILL & TAYLOR
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3rd FLOOR PLAN POWER AND DATA

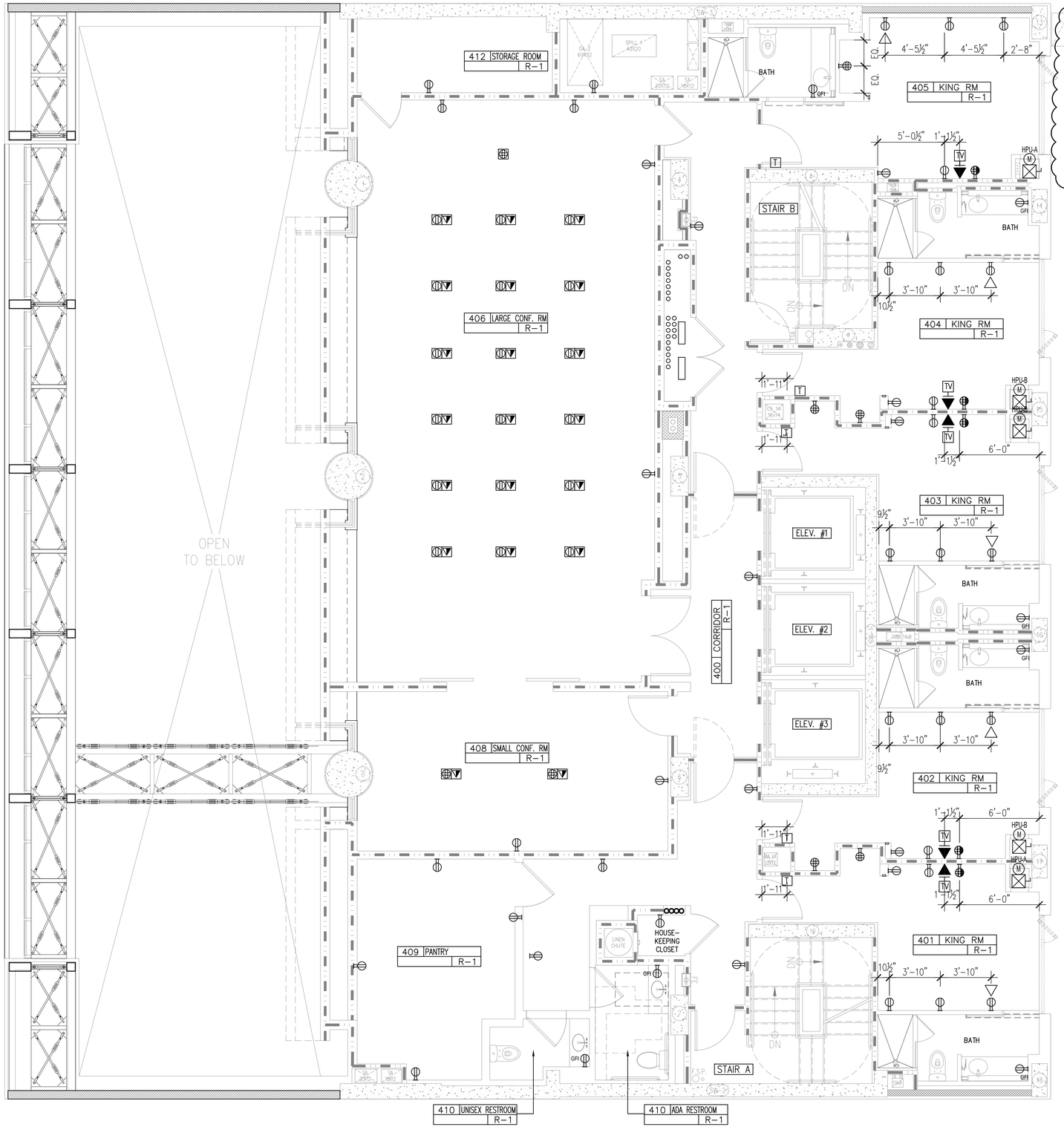
Drawing Number ## of

1 A-403.00

DOB B-Scan

21362

6 / 13 / 2011 20713-TITLE-32ACAD.DWG Plotted: 10 / 8 / 2014 Wed. | 21362_3RD FLOOR PLAN | 21362-TB-24X36 - 008 | 21362_SHEARWALLS_3-1 | POWER LEGEND-KNOTES | 21362_TRUSS PLAN 2_7

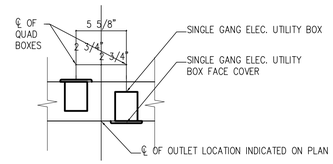


36 STREET

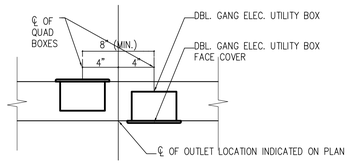
SCALE: ¼" = 1'-0"

POWER / COMM. LEGEND:

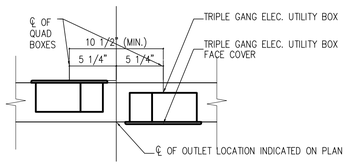
	QUADRUPLEX ELECTRICAL RECEPTACLE MOUNT 15" AFF UNLESS OTHERWISE NOTED	T	60" AFF WALL MOUNTED THERMOSTAT SWITCH 48" ADA ROOM MOUNT TO TOP OF FACEPLATE.
	DUPLEX ELECTRICAL RECEPTACLE MOUNT 15" AFF UNLESS OTHERWISE NOTED	◀	DATA-DUPLEX ELECTRICAL RECEPTACLE MOUNT 15" AFF UNLESS OTHERWISE NOTED
GFI	GROUND FAULT ELECTRICAL RECEPTACLE MOUNT 36" AFF UNLESS OTHERWISE NOTED	◁	TELEPHONE OUTLET MOUNT 15" AFF UNLESS OTHERWISE NOTED
	DUPLEX ELECTRICAL RECEPTACLE W/SWITCHED CONTROL AT BOTTOM OF RECEPTACLE MOUNT 15" AFF UNLESS OTHERWISE NOTED.	$	48" AFF (TO TOP OF FACEPLATE) WALL MOUNTED LIGHT SWITCH. SEE PLAN FOR LOCATION
b	QUADPLEX ELECTRICAL RECEPTACLE W/SWITCH CONTROL AT BOTTOM OF RECEPTACLE. MOUNT 15" AFF UNLESS OTHERWISE NOTED. (REFER TO ELECTRICAL DRAWINGS FOR CIRCUITING)	HTV	TV COAXIAL CABLE OUTLET MOUNT 60" AFF UNLESS OTHERWISE NOTED



1 SGL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"



2 DBL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"



3 TRIPLE GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"

BLOCK: 759 LOT: 55

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
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08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

4th FLOOR PLAN POWER AND DATA

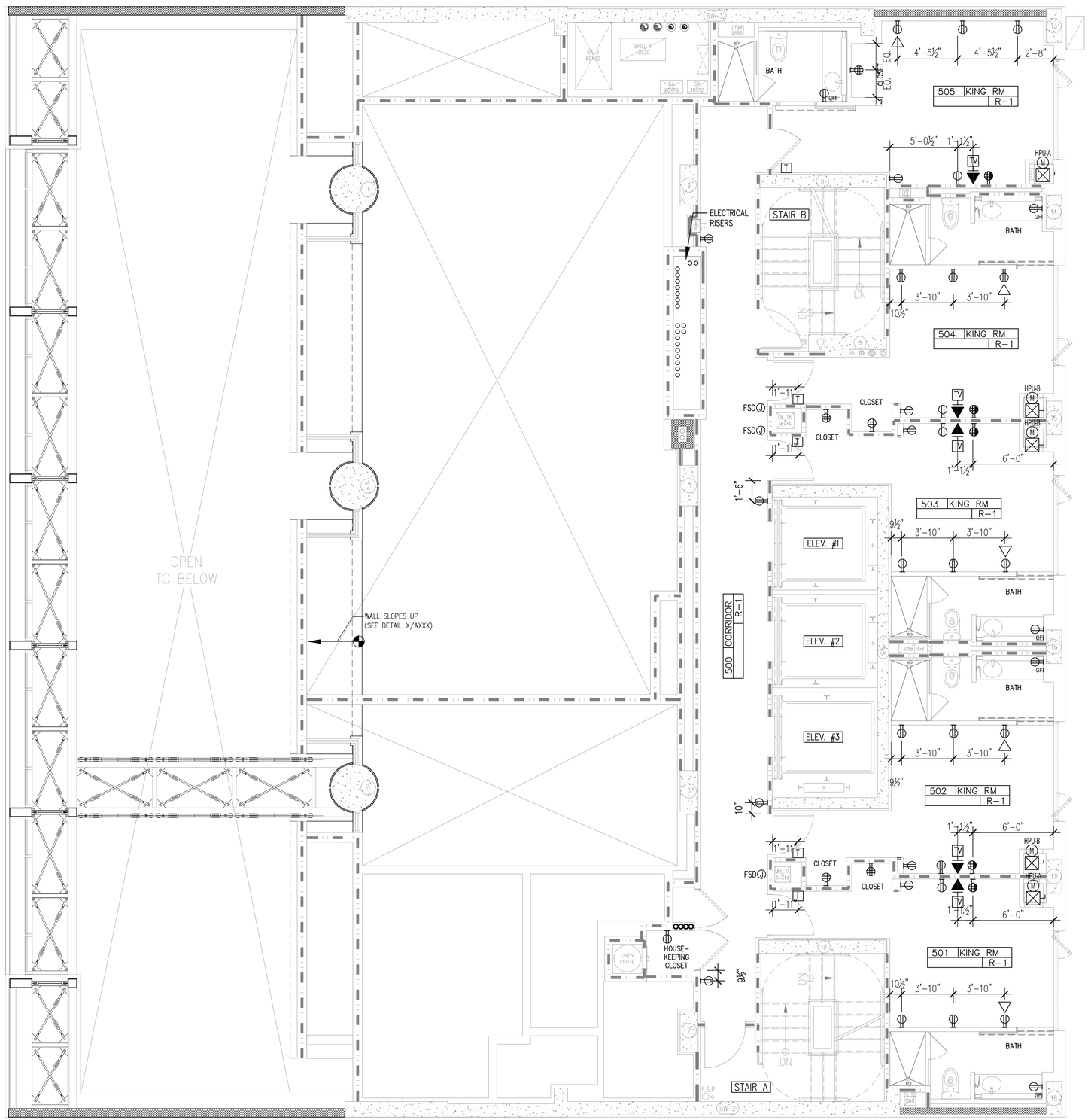
Drawing Number ## of

1 A-404.00

DOB B-Scan

21362

6 / 13 / 2011 21073-TITLE-30X42.DWG Plotted: 10 / 8 / 2014 by eels | 21362-15-24X36 -008 | 21362_4TH FLOOR PLAN | 21362_SHEARWALLS 3-7 | POWER LEGEND-NNOTES | 21362_TRUSS PLAN 2_7



SCALE: ¼" = 1'-0"

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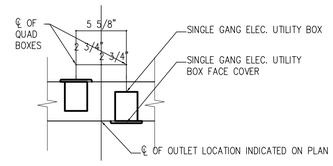
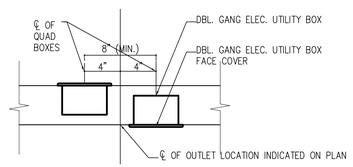
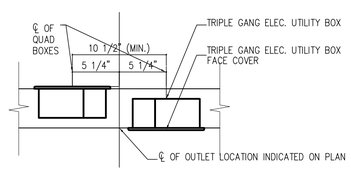


1 SGL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"



2 DBL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"



3 TRIPLE GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"

BLOCK: 759 LOT: 55

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02.28.2014	D.O.B. SUBMISSION
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NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

5th FLOOR PLAN POWER AND DATA

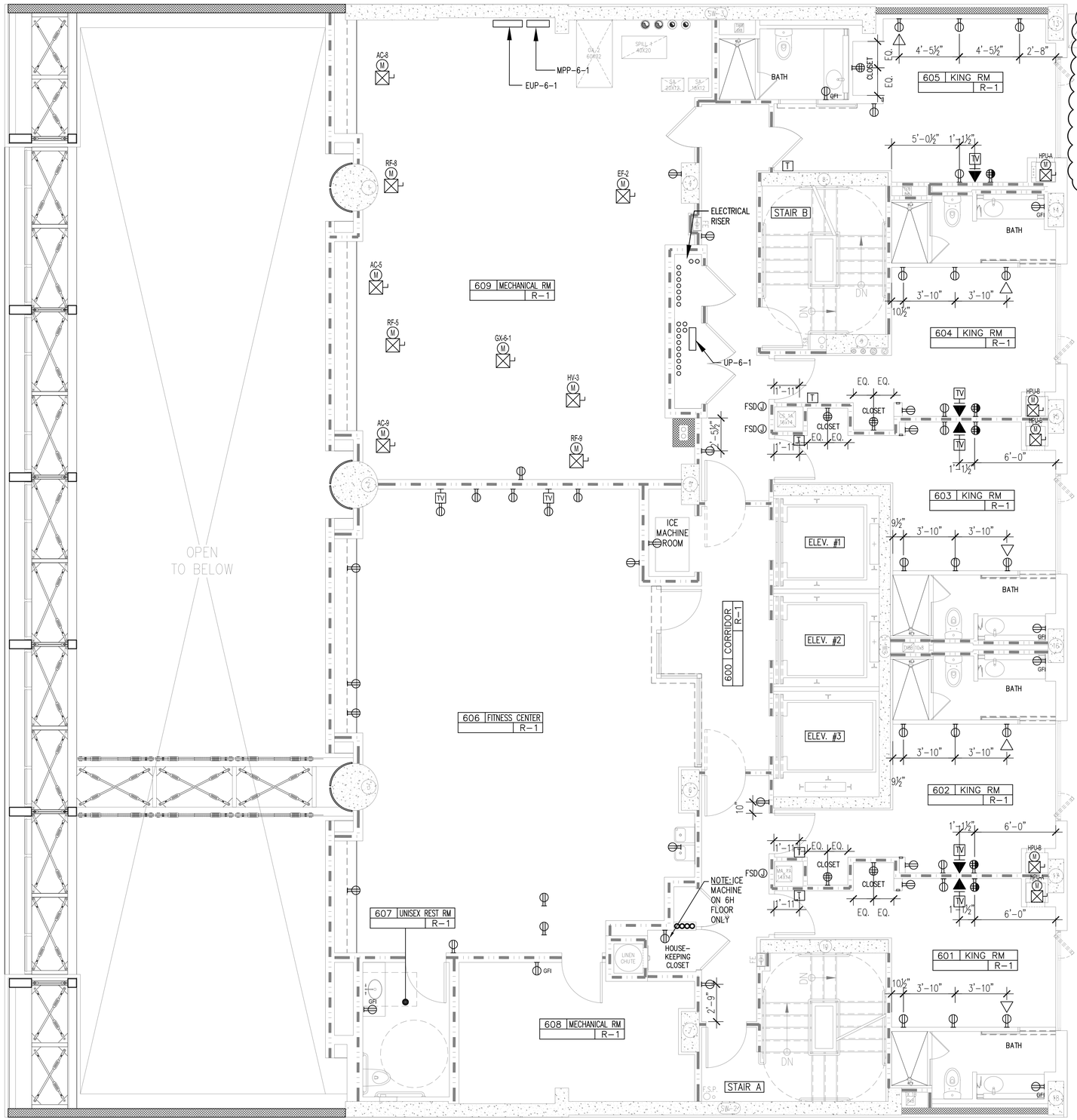
Drawing Number ## of

1 A-405.00

DOB B-Scan

21362

6 / 13 / 2011 20713-TITLE-3DVIZ.DWG Plotted: 10 / 8 / 2014 Wed. | 21362-TB-2AUG -DWG | 21362_5TH FLOOR PLAN | 21362_SHEARWALLS_3-7 | POWER LEGEND-ANNOTES | 21362_TROSS PLAN 2_7



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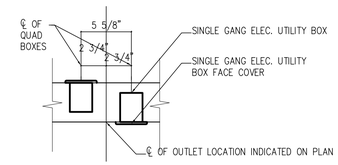
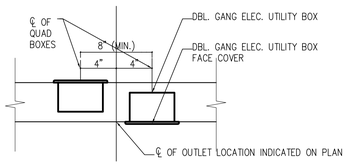
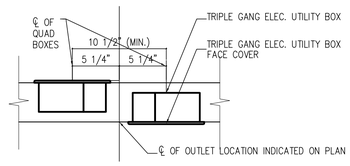


1 SGL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"



2 DBL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"



3 TRIPLE GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"

SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

Issue Record

02.28.2014	D.O.B. SUBMISSION
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Seal

Project

AC 320 HOTEL PARTNERS LLC
NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

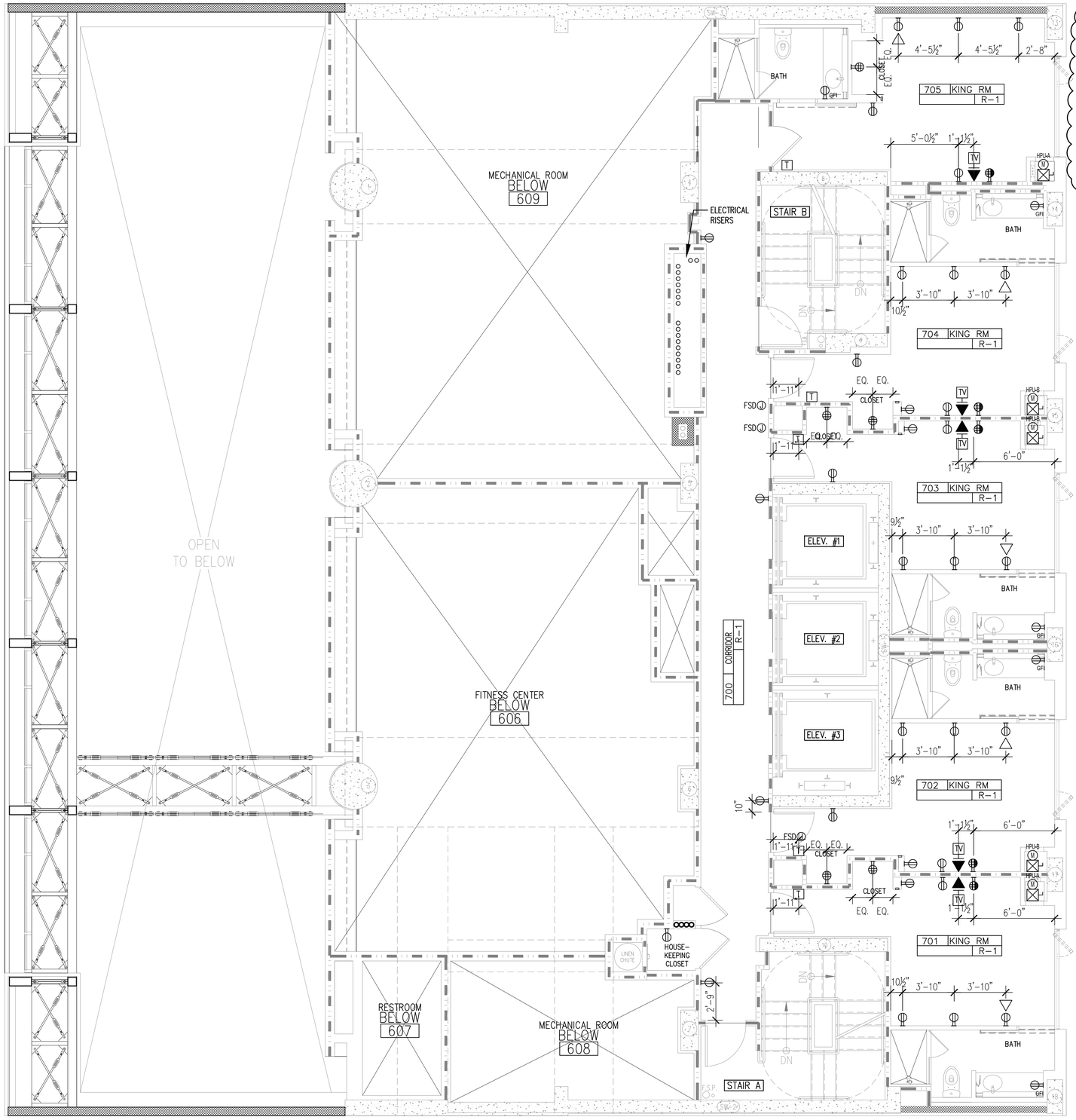
6th FLOOR PLAN POWER AND DATA

Drawing Number ## of

1 A-406.00

DOB B-Scan

21362



SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

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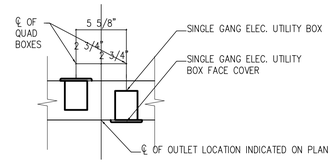
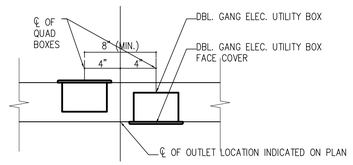
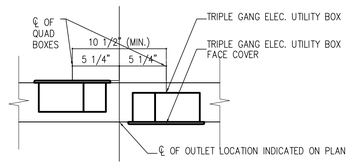


1 SGL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"



2 DBL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"



3 TRIPLE GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"

Issue Record

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Seal

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NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

7th
FLOOR PLAN
POWER AND DATA

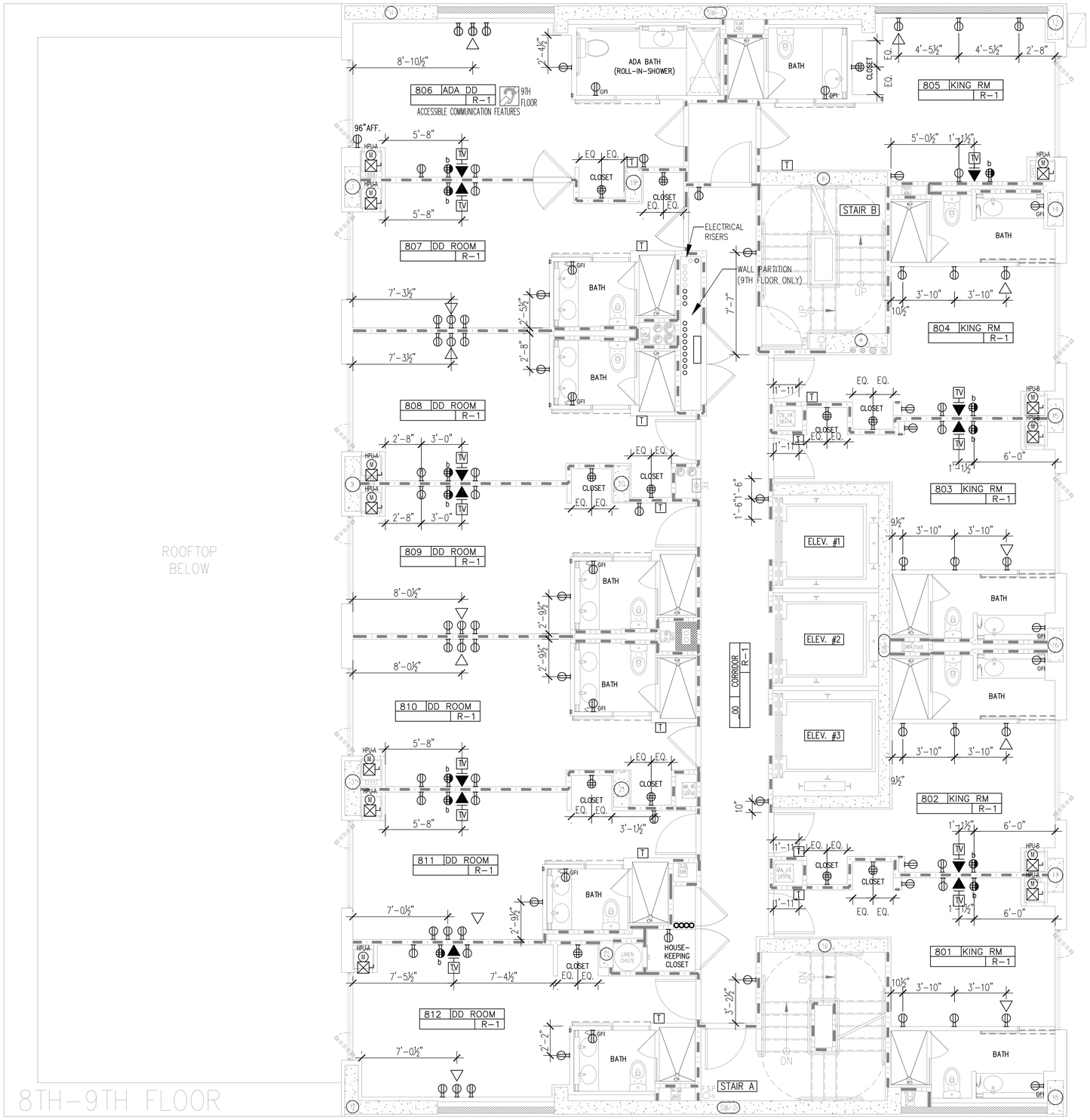
Drawing Number ## of

1 A-407.00

DOB B-Scan

21362

6 / 13 / 2011 21073-TITLE-3DM42.MC Plotted: 10 / 8 / 2014 Kiefer | 21362_7TH FLOOR PLAN | 21362_3WORKWALLS 3-7 | POWER LEGEND-NOTES | 21362-TB-24X36 - DOB | 21362_PASS PLAN 2.7



SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

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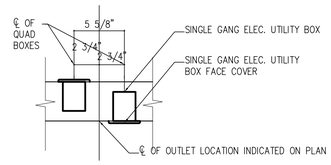
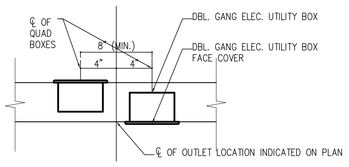
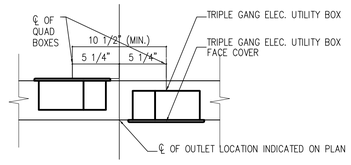


1 SGL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"



2 DBL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"



3 TRIPLE GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"

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Seal

Project

AC 320 HOTEL PARTNERS LLC
NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

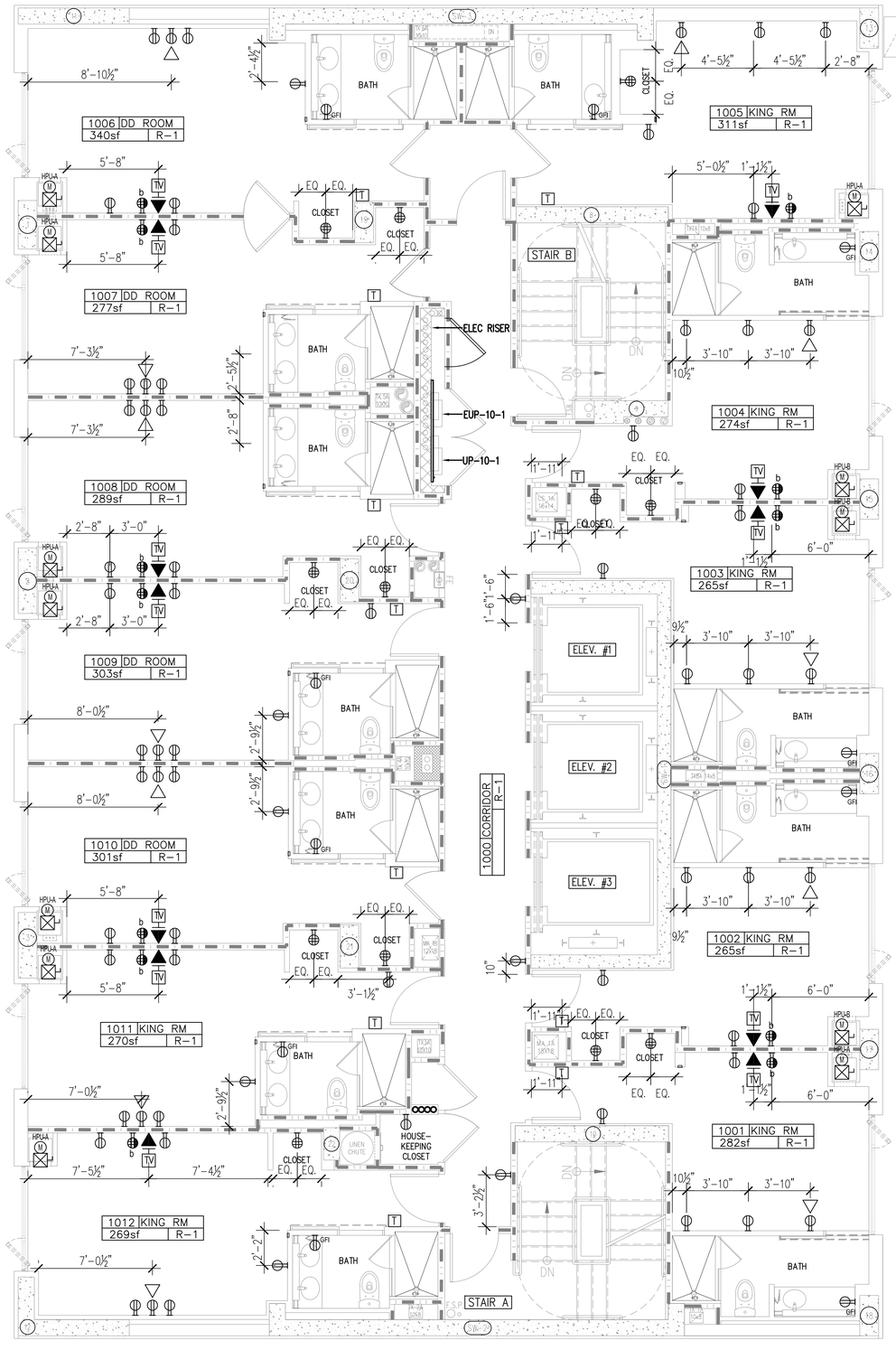
8th-9th
FLOOR PLAN
ADA ROLL-IN-SHOWER
POWER AND DATA

Drawing Number ## of

A-408.00

DOB B-Scan

21362

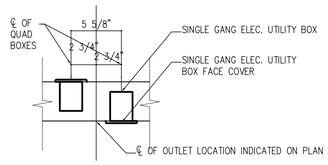


SCALE: ¼" = 1'-0"

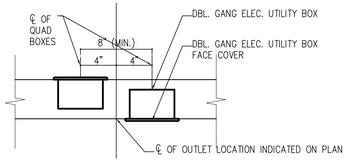
BLOCK: 759 LOT: 55

POWER / COMM. LEGEND:

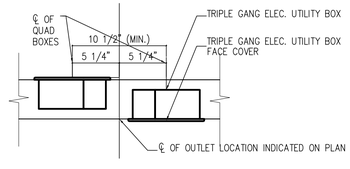
	QUADRUPLEX ELECTRICAL RECEPTACLE MOUNT 15" AFF UNLESS OTHERWISE NOTED	T	60" AFF WALL MOUNTED THERMOSTAT SWITCH 48" ADA ROOM MOUNT TO TOP OF FACEPLATE.
	DUPLEX ELECTRICAL RECEPTACLE MOUNT 15" AFF UNLESS OTHERWISE NOTED	◀	DATA-DUPLEX ELECTRICAL RECEPTACLE MOUNT 15" AFF UNLESS OTHERWISE NOTED
GFI	GROUND FAULT ELECTRICAL RECEPTACLE MOUNT 36" AFF UNLESS OTHERWISE NOTED	◁	TELEPHONE OUTLET MOUNT 15" AFF UNLESS OTHERWISE NOTED
	DUPLEX ELECTRICAL RECEPTACLE W/SWITCHED CONTROL AT BOTTOM OF RECEPTACLE MOUNT 15" AFF UNLESS OTHERWISE NOTED.	$	48" AFF (TO TOP OF FACEPLATE) WALL MOUNTED LIGHT SWITCH. SEE PLAN FOR LOCATION
b	QUADPLEX ELECTRICAL RECEPTACLE W/SWITCH CONTROL AT BOTTOM OF RECEPTACLE. MOUNT 15" AFF UNLESS OTHERWISE NOTED. (REFER TO ELECTRICAL DRAWINGS FOR CIRCUITING)	TV	TV COAXIAL CABLE OUTLET MOUNT 60" AFF UNLESS OTHERWISE NOTED



1 SGL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"



2 DBL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"



3 TRIPLE GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
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07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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Seal

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AC 320 HOTEL PARTNERS LLC
NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

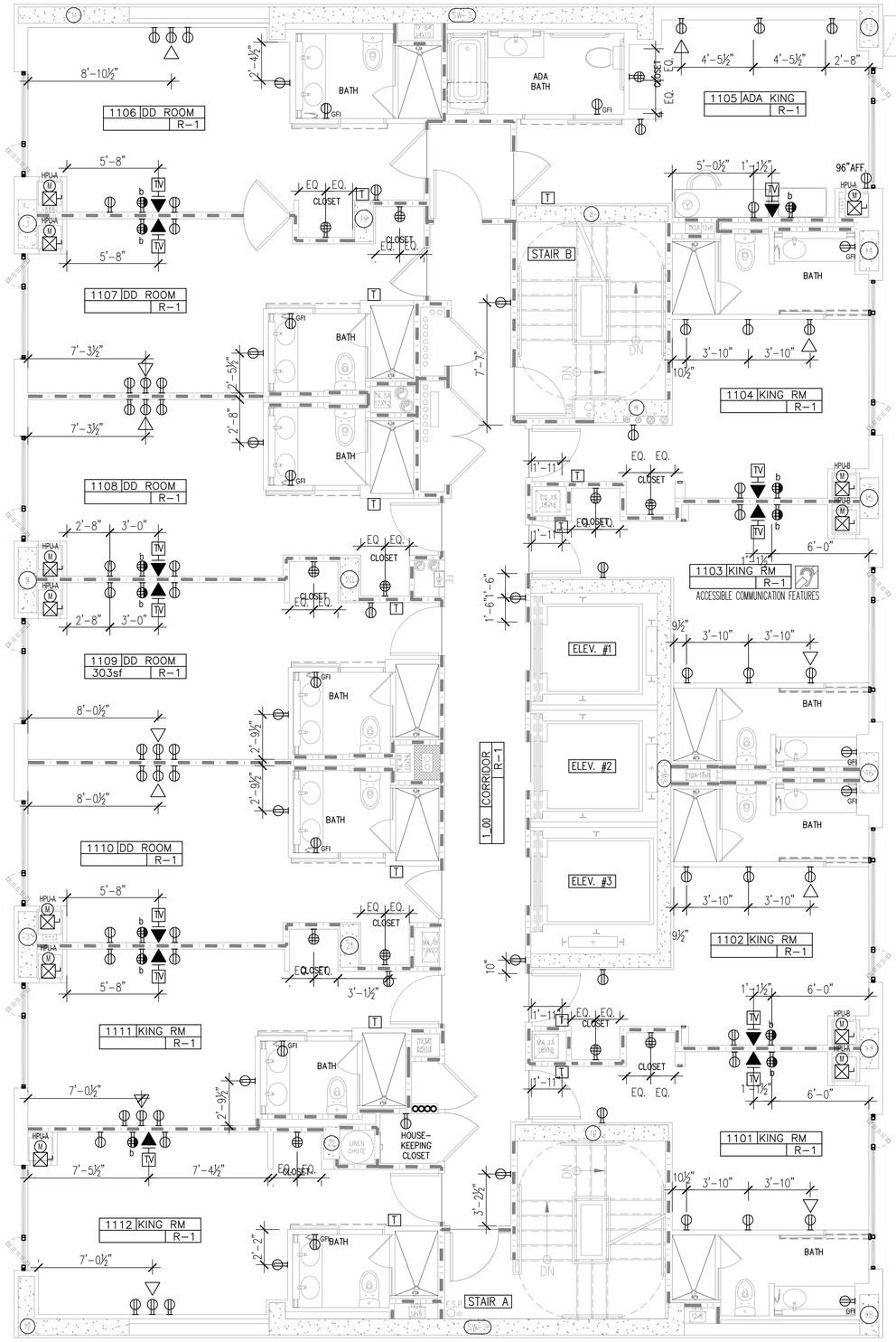
10th
FLOOR PLAN
POWER AND DATA

Drawing Number ## of

A-410.00

DOB B-Scan

21362



SCALE: ¼" = 1'-0"

POWER / COMM. LEGEND:			
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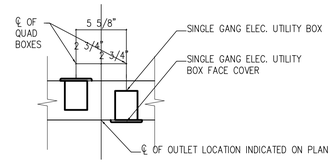
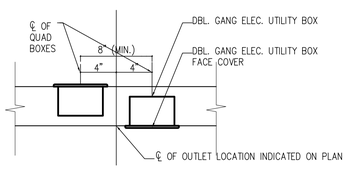
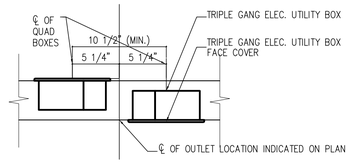


1 SGL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"



2 DBL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"



3 TRIPLE GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"

BLOCK: 759 LOT: 55

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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

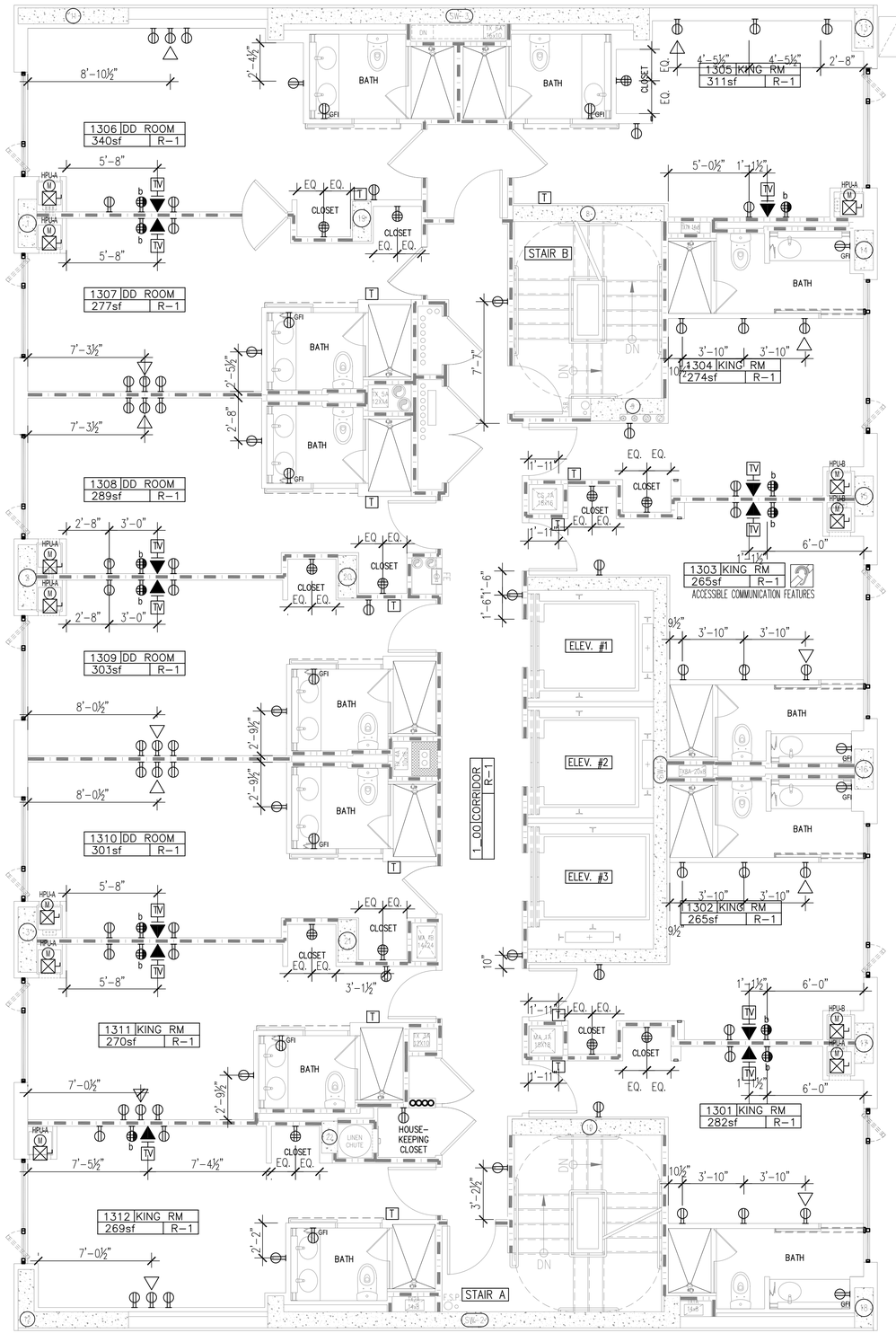
11th - 12th
FLOOR PLAN
ADA ROLL-IN-SH0WER
POWER AND DATA

Drawing Number ## of

1 A-411.00

DOB B-Scan

21362



SCALE: ¼" = 1'-0"

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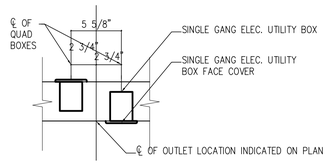
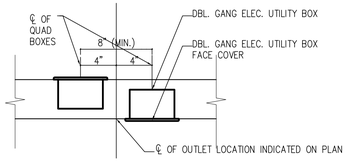
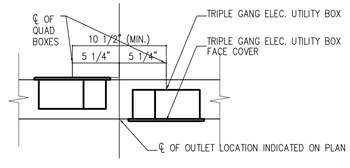


1 SGL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"



2 DBL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"



3 TRIPLE GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"

BLOCK: 759 LOT: 55

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10.08.2014	ISSUED FOR CONSTRUCTION

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Seal

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STONEHILL & TAYLOR
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13th -15th
FLOOR PLAN
POWER AND DATA

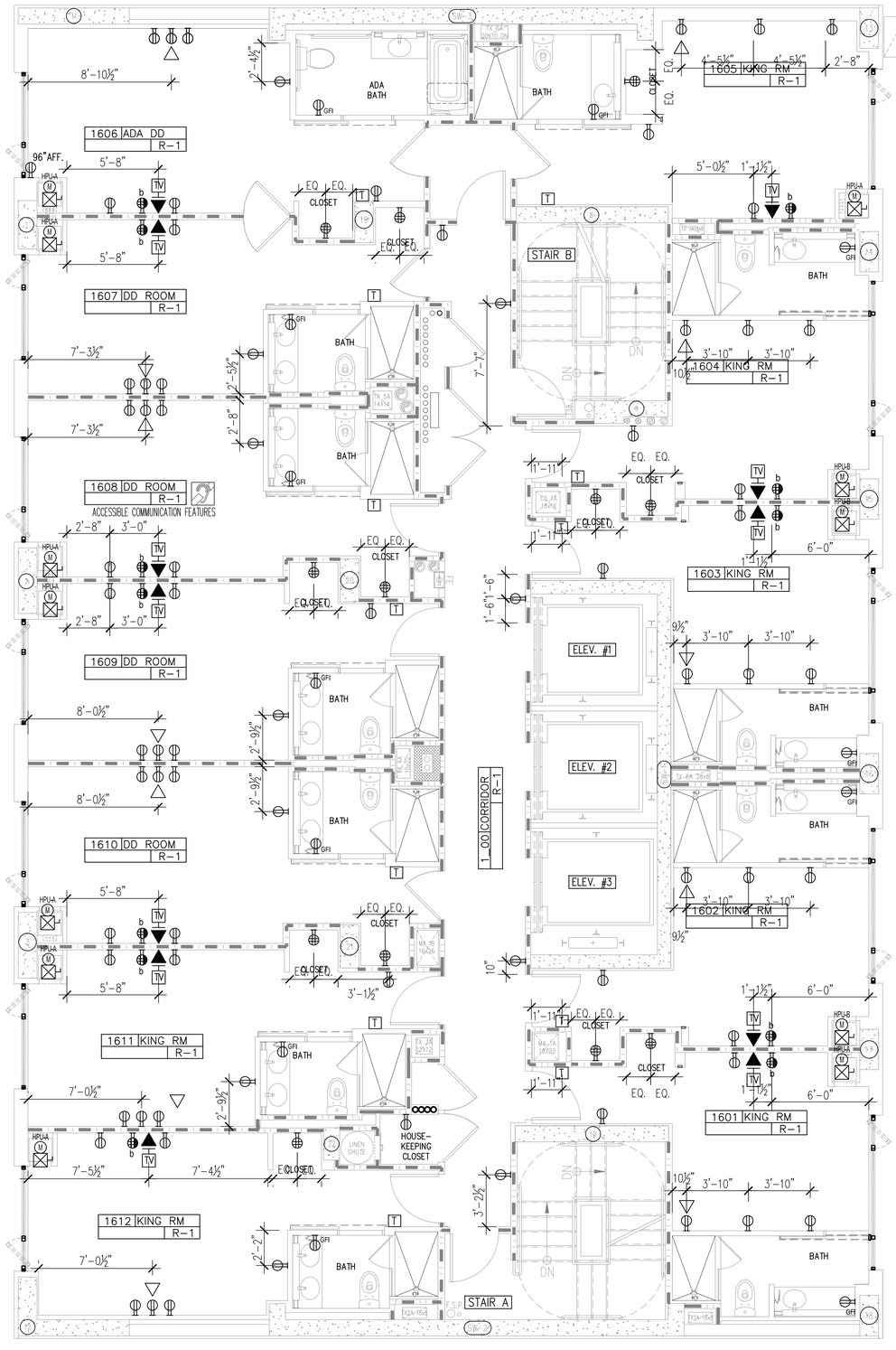
Drawing Number ## of

A-413.00

DOB B-Scan

21362

6 / 13 / 2014 21373-TITLE-SCHEDSWG Plotted: 10 / 8 / 2014 9:48:11 | 21362-TB-24X36 -HOB | 21362_A4-15TH FLOOR PLAN | 21362_SHEAVERWALLS 8=15 | POWER LEGEND-KNOTES



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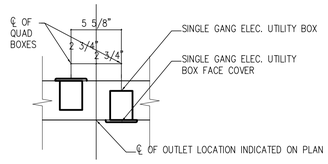
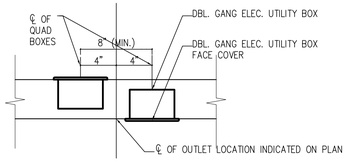
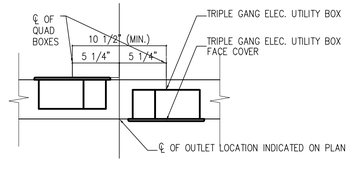


1 SGL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"



2 DBL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"



3 TRIPLE GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"

SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

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AC 320 HOTEL PARTNERS LLC
NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

16th - 18th
FLOOR PLAN
ADA TUB
POWER AND DATA

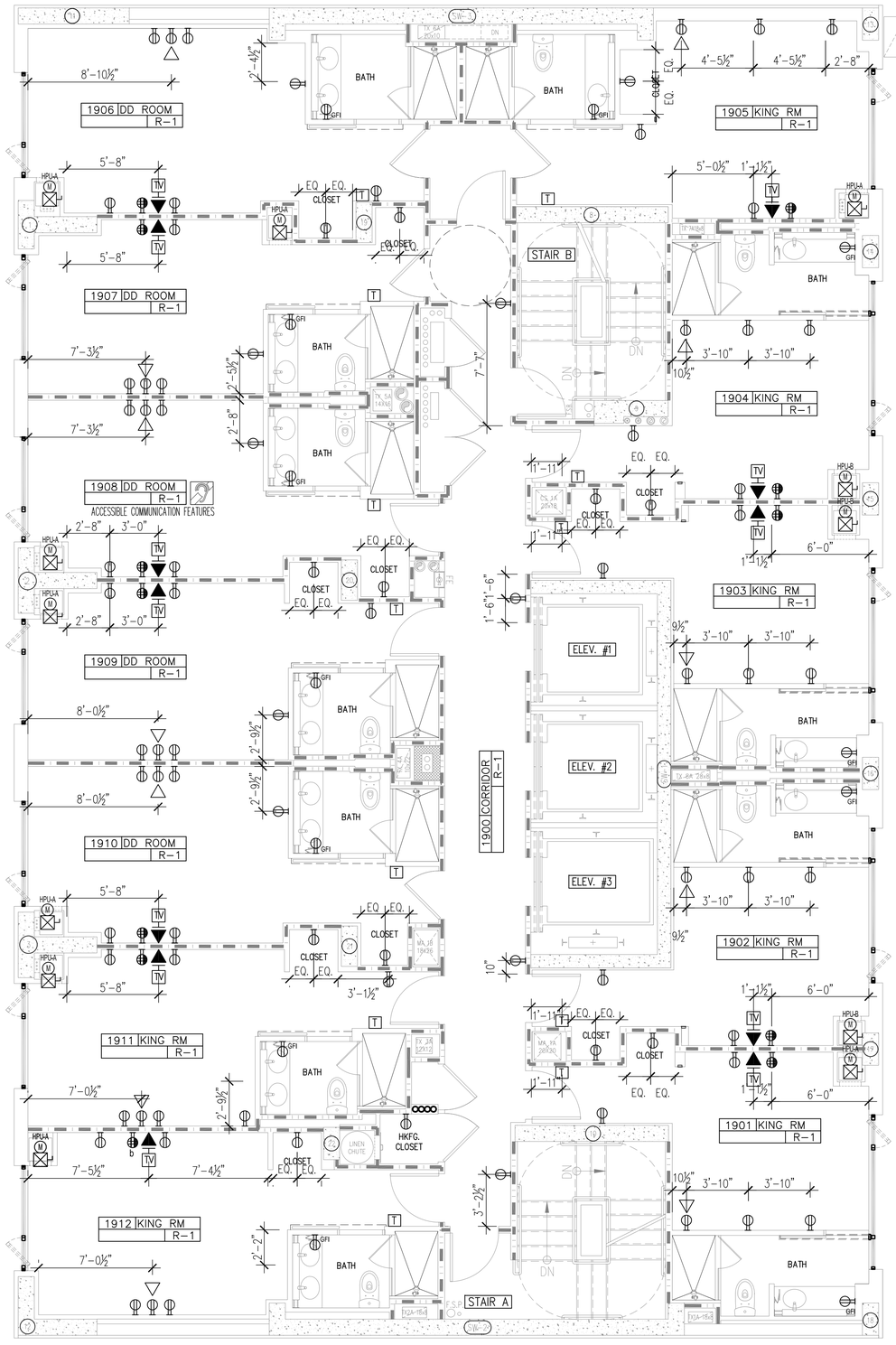
Drawing Number ## of

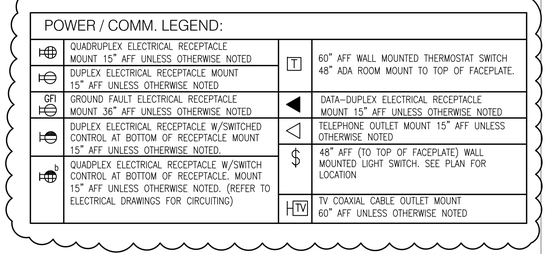
V1 A-416.00

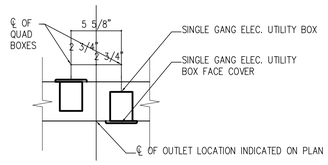
DOB B-Scan

21362

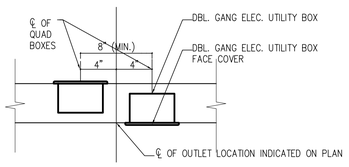
6/13/2014 21073-TITLE-SHEET.DWG Plotted: 10/8/2014 by=tc | 21362-TB-2A416 -FOR | 21362_16-18th FLOOR PLAN | POWER LEGEND-NOTES | 21362_3HRWALLS 16-18



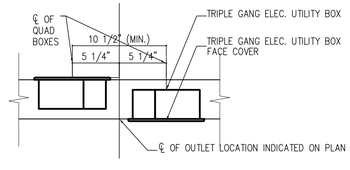




1 SGL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"



2 DBL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"



3 TRIPLE GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"

SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

6 / 13 / 2014 21373-TITLE-30X42.DWG Plotted: 10 / 6 / 2014 by=bc | 21362-19-24X36 -XOB | 21362_19TH FLOOR PLAN | 21362_SHEARWALLS 19-20 | POWER LEGEND-KNOTES

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
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Seal

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STONEHILL & TAYLOR
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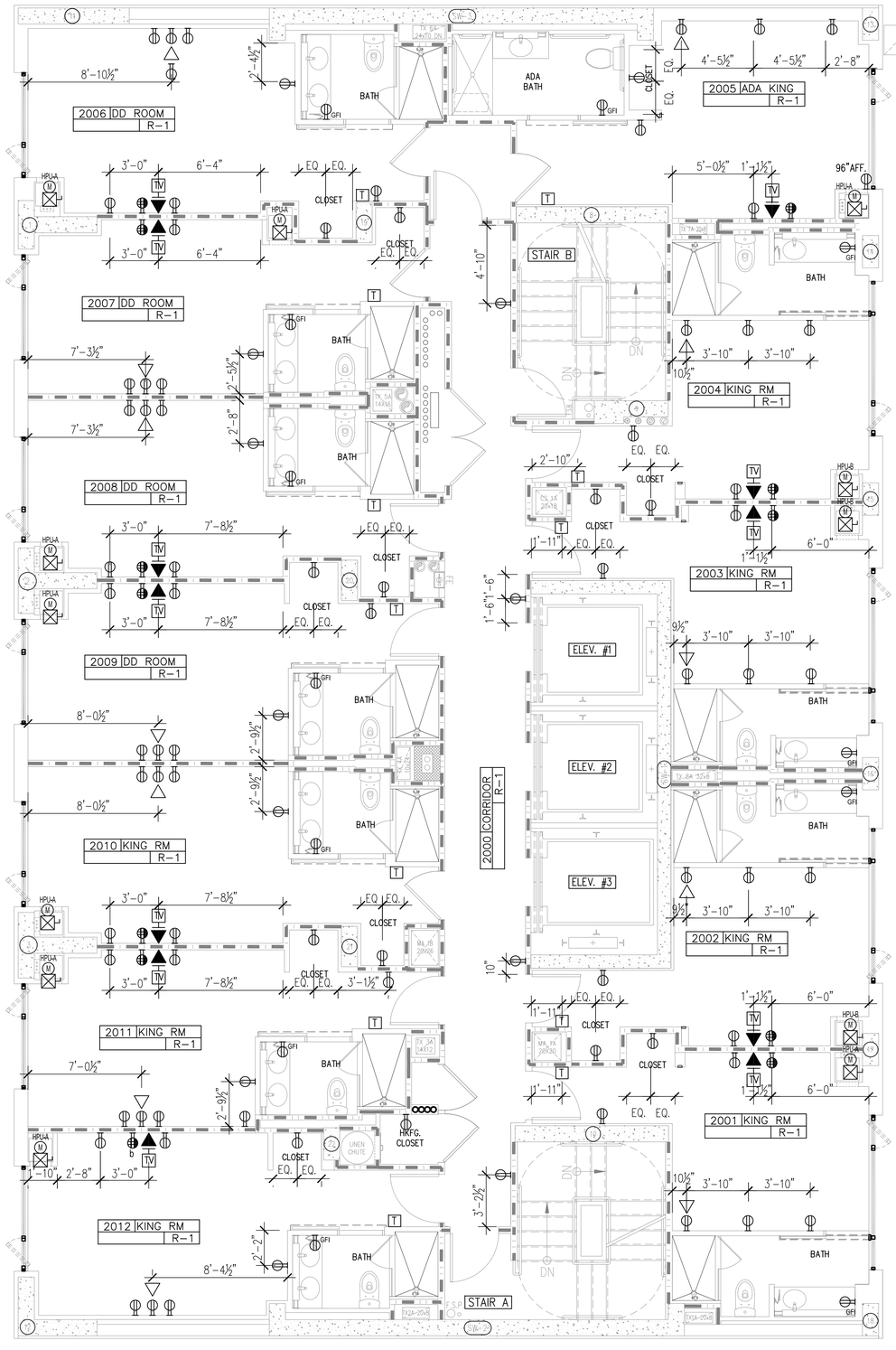
19th
FLOOR PLAN
POWER AND DATA

Drawing Number ## of

1 A-419.00

DOB B-Scan

21362



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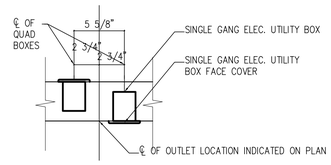
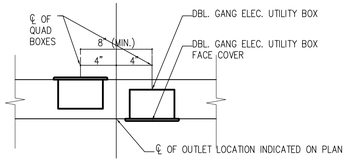
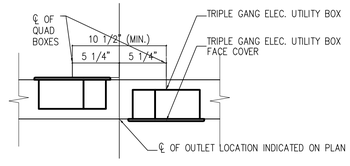
b	QUADPLEX ELECTRICAL RECEPTACLE W/SWITCH CONTROL AT BOTTOM OF RECEPTACLE. MOUNT 15" AFF UNLESS OTHERWISE NOTED. (REFER TO ELECTRICAL DRAWINGS FOR CIRCUITING)	HTV	TV COAXIAL CABLE OUTLET MOUNT 60" AFF UNLESS OTHERWISE NOTED



1 SGL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"



2 DBL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"



3 TRIPLE GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"

SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

20th FLOOR PLAN ADA ROLL-IN-SHOWER POWER AND DATA

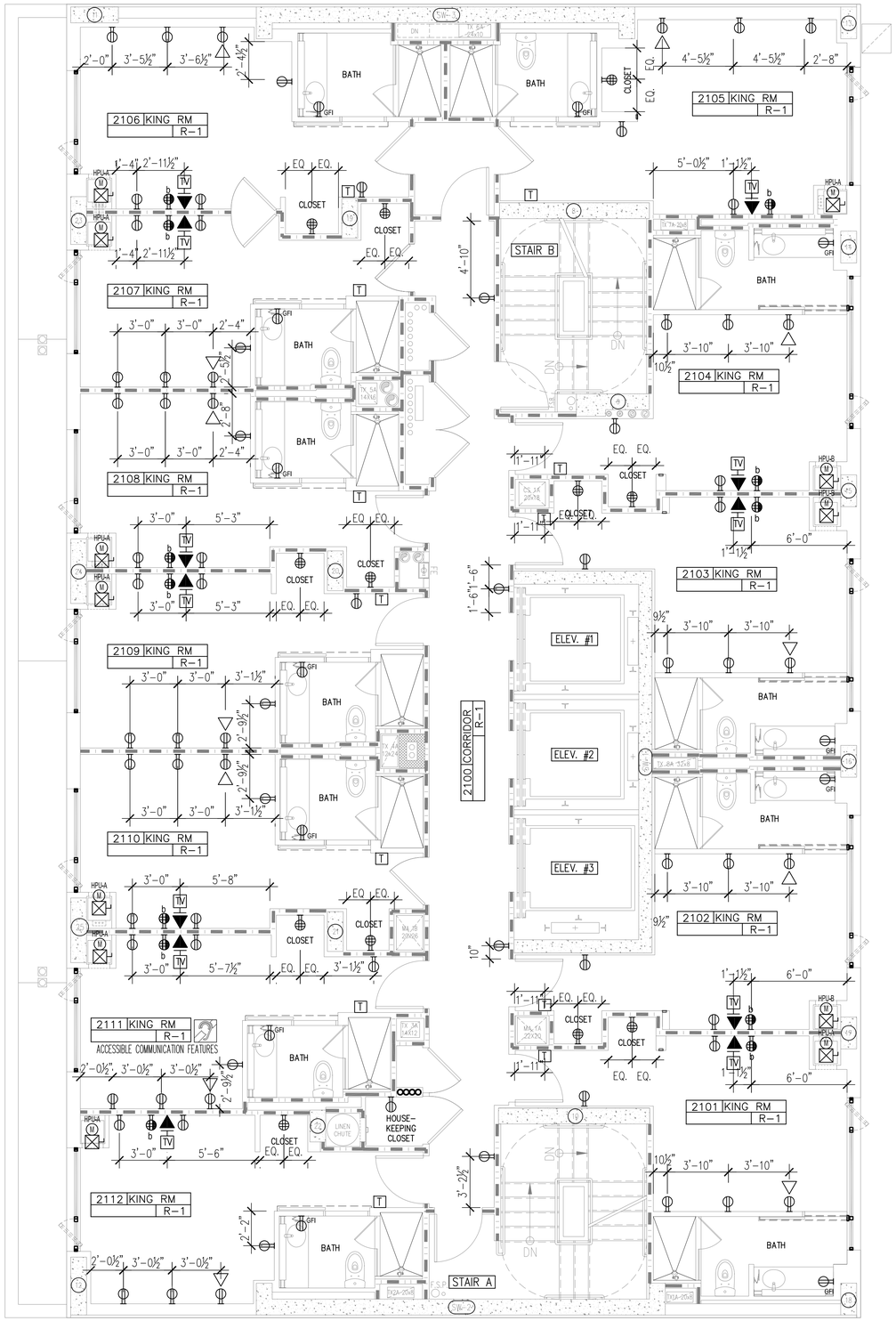
Drawing Number ## of

A-420.00

DOB B-Scan

21362

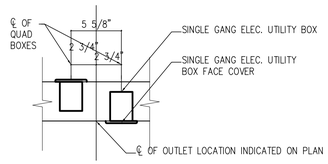
6 / 13 / 2014 21373-TITLE-30X42.DWG Plotted: 10 / 8 / 2014 by=kc | 21362-1B-24X36 -ADB | 21362_20TH FLOOR PLAN | 21362_SHEARWALLS 19-20 | POWER LEGEND-4NOTES



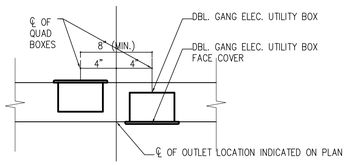
SCALE: ¼" = 1'-0"

POWER / COMM. LEGEND:

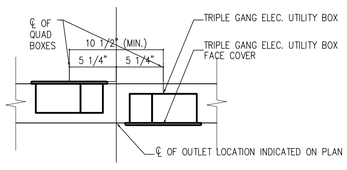
	QUADRUPLEX ELECTRICAL RECEPTACLE MOUNT 15" AFF UNLESS OTHERWISE NOTED	T	60" AFF WALL MOUNTED THERMOSTAT SWITCH 48" ADA ROOM MOUNT TO TOP OF FACEPLATE.
	DUPLEX ELECTRICAL RECEPTACLE MOUNT 15" AFF UNLESS OTHERWISE NOTED		
GFI	GROUND FAULT ELECTRICAL RECEPTACLE MOUNT 36" AFF UNLESS OTHERWISE NOTED	◀	DATA-DUPLEX ELECTRICAL RECEPTACLE MOUNT 15" AFF UNLESS OTHERWISE NOTED
	DUPLEX ELECTRICAL RECEPTACLE W/SWITCHED CONTROL AT BOTTOM OF RECEPTACLE MOUNT 15" AFF UNLESS OTHERWISE NOTED.	◁	TELEPHONE OUTLET MOUNT 15" AFF UNLESS OTHERWISE NOTED
b	QUADPLEX ELECTRICAL RECEPTACLE W/SWITCH CONTROL AT BOTTOM OF RECEPTACLE. MOUNT 15" AFF UNLESS OTHERWISE NOTED. (REFER TO ELECTRICAL DRAWINGS FOR CIRCUITING)	$	48" AFF (TO TOP OF FACEPLATE) WALL MOUNTED LIGHT SWITCH. SEE PLAN FOR LOCATION
		HTV	TV COAXIAL CABLE OUTLET MOUNT 60" AFF UNLESS OTHERWISE NOTED



1 SGL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"



2 DBL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"



3 TRIPLE GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"

BLOCK: 759 LOT: 55

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02.28.2014	D.O.B. SUBMISSION
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NEW YORK, NY 10018

STONEHILL & TAYLOR
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21st FLOOR PLAN POWER AND DATA

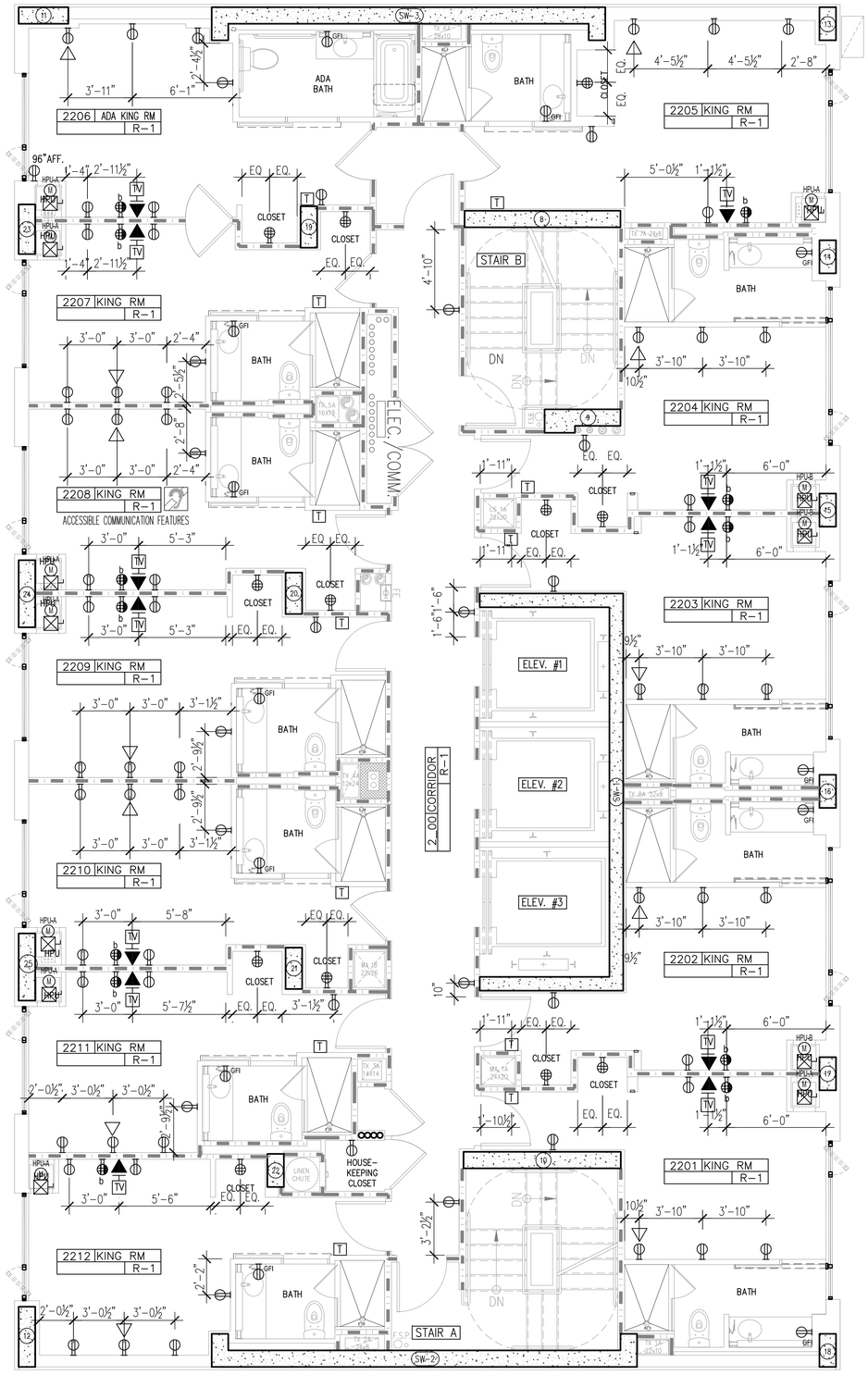
Drawing Number ## of

1 A-421.00

DOB B-Scan

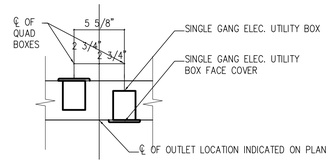
21362

6/13/2011 21073-TITLE-30X42.DWG Plotted: 10/8/2014 by eric | 21362-19-JACOB -DOB | 21362_21ST FLOOR PLAN | POWER LEGEND-NOTES | 21362_3REARWALLS 21-24

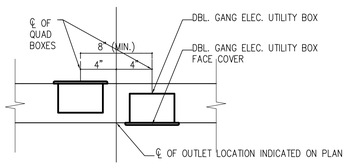


SCALE: ¼" = 1'-0"

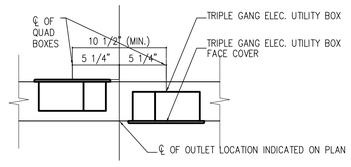
POWER / COMM. LEGEND:			
	QUADRUPLEX ELECTRICAL RECEPTACLE MOUNT 15" AFF UNLESS OTHERWISE NOTED	T	60" AFF WALL MOUNTED THERMOSTAT SWITCH 48" ADA ROOM MOUNT TO TOP OF FACEPLATE.
	DUPLEX ELECTRICAL RECEPTACLE MOUNT 15" AFF UNLESS OTHERWISE NOTED	◀	DATA-DUPLEX ELECTRICAL RECEPTACLE MOUNT 15" AFF UNLESS OTHERWISE NOTED
GFI	GROUND FAULT ELECTRICAL RECEPTACLE MOUNT 36" AFF UNLESS OTHERWISE NOTED	◁	TELEPHONE OUTLET MOUNT 15" AFF UNLESS OTHERWISE NOTED
	DUPLEX ELECTRICAL RECEPTACLE W/SWITCHED CONTROL AT BOTTOM OF RECEPTACLE MOUNT 15" AFF UNLESS OTHERWISE NOTED.	$	48" AFF (TO TOP OF FACEPLATE) WALL MOUNTED LIGHT SWITCH. SEE PLAN FOR LOCATION
b	QUADPLEX ELECTRICAL RECEPTACLE W/SWITCH CONTROL AT BOTTOM OF RECEPTACLE. MOUNT 15" AFF UNLESS OTHERWISE NOTED. (REFER TO ELECTRICAL DRAWINGS FOR CIRCUITING)	HTV	TV COAXIAL CABLE OUTLET MOUNT 60" AFF UNLESS OTHERWISE NOTED



1 SGL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"



2 DBL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"



3 TRIPLE GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"

BLOCK: 759 LOT: 55

6 / 13 / 2011 20073-TITLE-32KAZUMO Plotted: 10 / 8 / 2014 Work: I:\2362-7B-2AUG -VOB\ I:\2362_22-24RD FLOOR PLAN\ POWER LEGEND-KNOTES\ I:\2362_DRAWINGS 21-24

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
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06.04.2014	80% CD SUBMISSION
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07.18.2014	90% CD SUBMISSION UPDATED
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NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

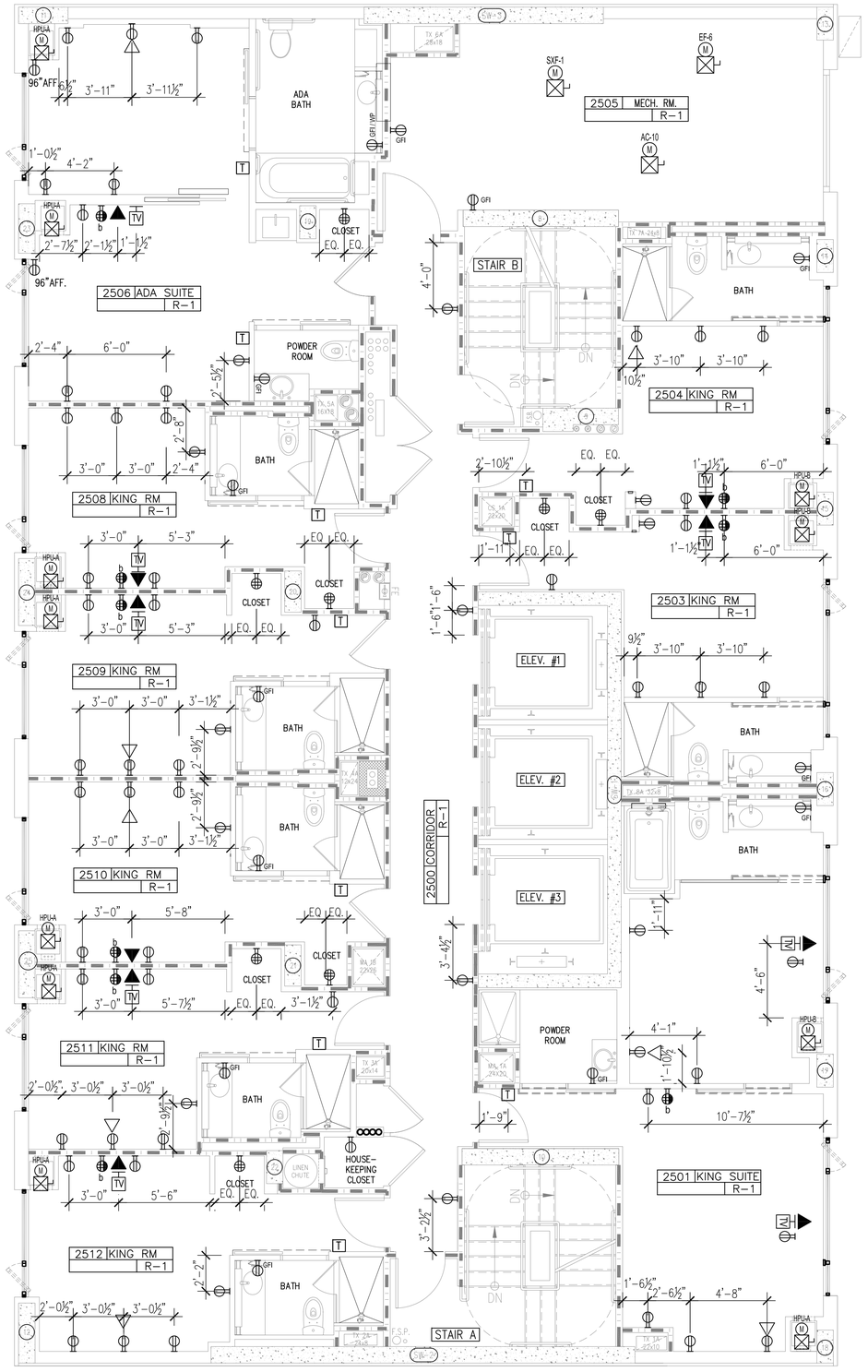
22nd-24th FLOOR PLAN ADA ROLL-IN-SHOWER POWER AND DATA

Drawing Number ## of

1 A-422.00

DOB B-Scan

21362



SCALE: ¼" = 1'-0"

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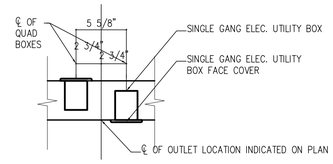
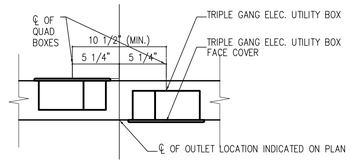


1 SGL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"

2 DBL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"



3 TRIPLE GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"

BLOCK: 759 LOT: 55

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
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09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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AC 320 HOTEL PARTNERS LLC
NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

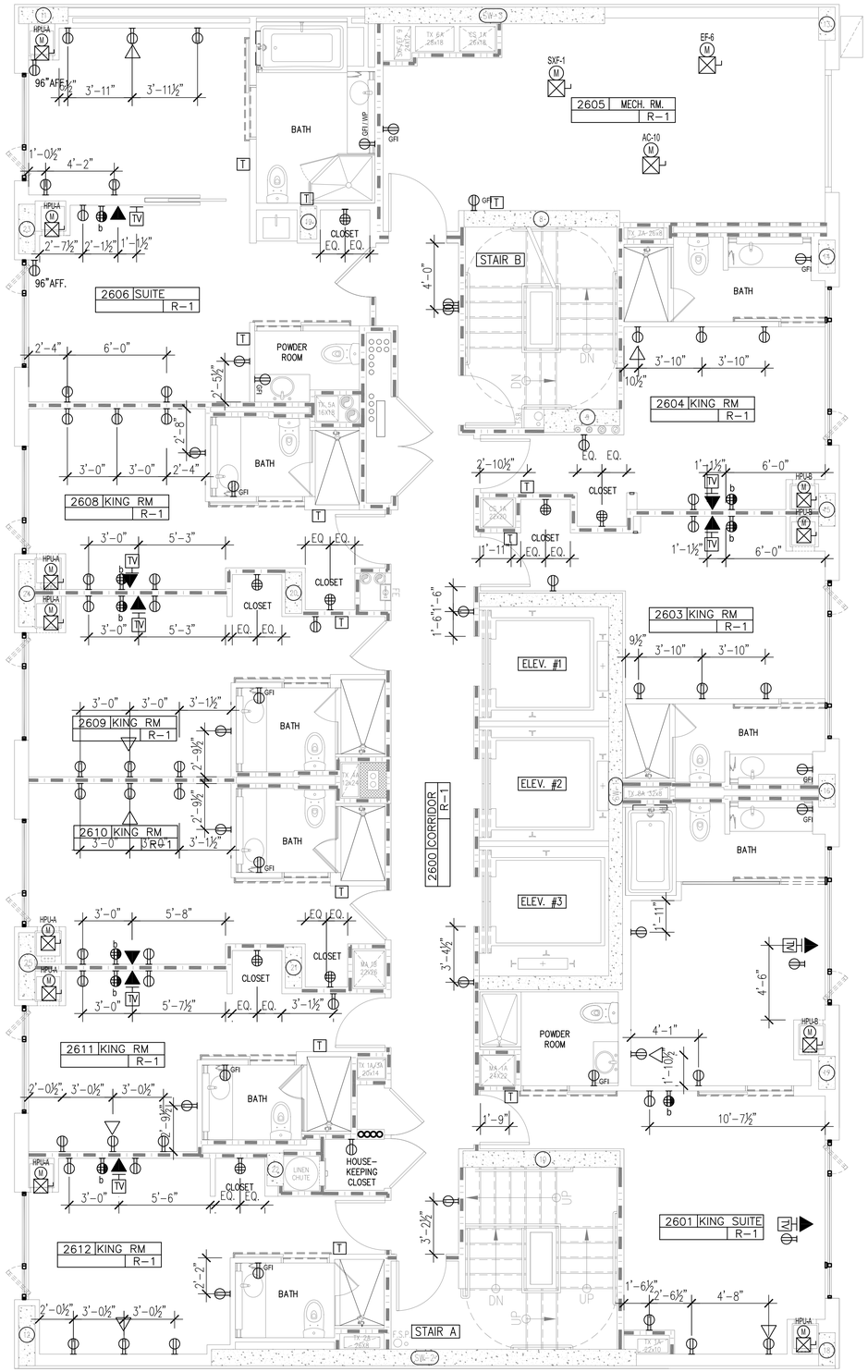
25th FLOOR PLAN
ADA TUB
POWER AND DATA

Drawing Number ## of

1 A-425.00

DOB B-Scan

21362



SCALE: ¼" = 1'-0"

POWER / COMM. LEGEND:			
⊕	QUADRUPLEX ELECTRICAL RECEPTACLE MOUNT 15" AFF UNLESS OTHERWISE NOTED	T	60" AFF WALL MOUNTED THERMOSTAT SWITCH 48" ADA ROOM MOUNT TO TOP OF FACEPLATE.
⊖	DUPLEX ELECTRICAL RECEPTACLE MOUNT 15" AFF UNLESS OTHERWISE NOTED	◀	DATA-DUPLEX ELECTRICAL RECEPTACLE MOUNT 15" AFF UNLESS OTHERWISE NOTED
GFI ⊖	GROUND FAULT ELECTRICAL RECEPTACLE MOUNT 36" AFF UNLESS OTHERWISE NOTED	◁	TELEPHONE OUTLET MOUNT 15" AFF UNLESS OTHERWISE NOTED
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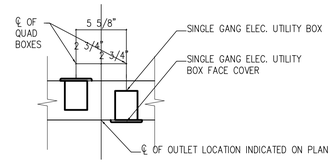
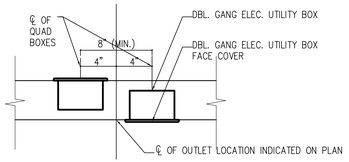
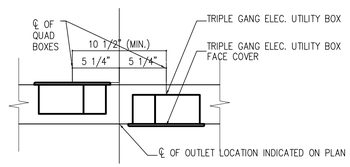


1 SGL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"



2 DBL. GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"



3 TRIPLE GANG OUTLET DETAIL
SCALE : 1 1/2" = 1'0"

BLOCK: 759 LOT: 55

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NEW YORK, NY 10018

STONEHILL & TAYLOR
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26th FLOOR PLAN POWER AND DATA

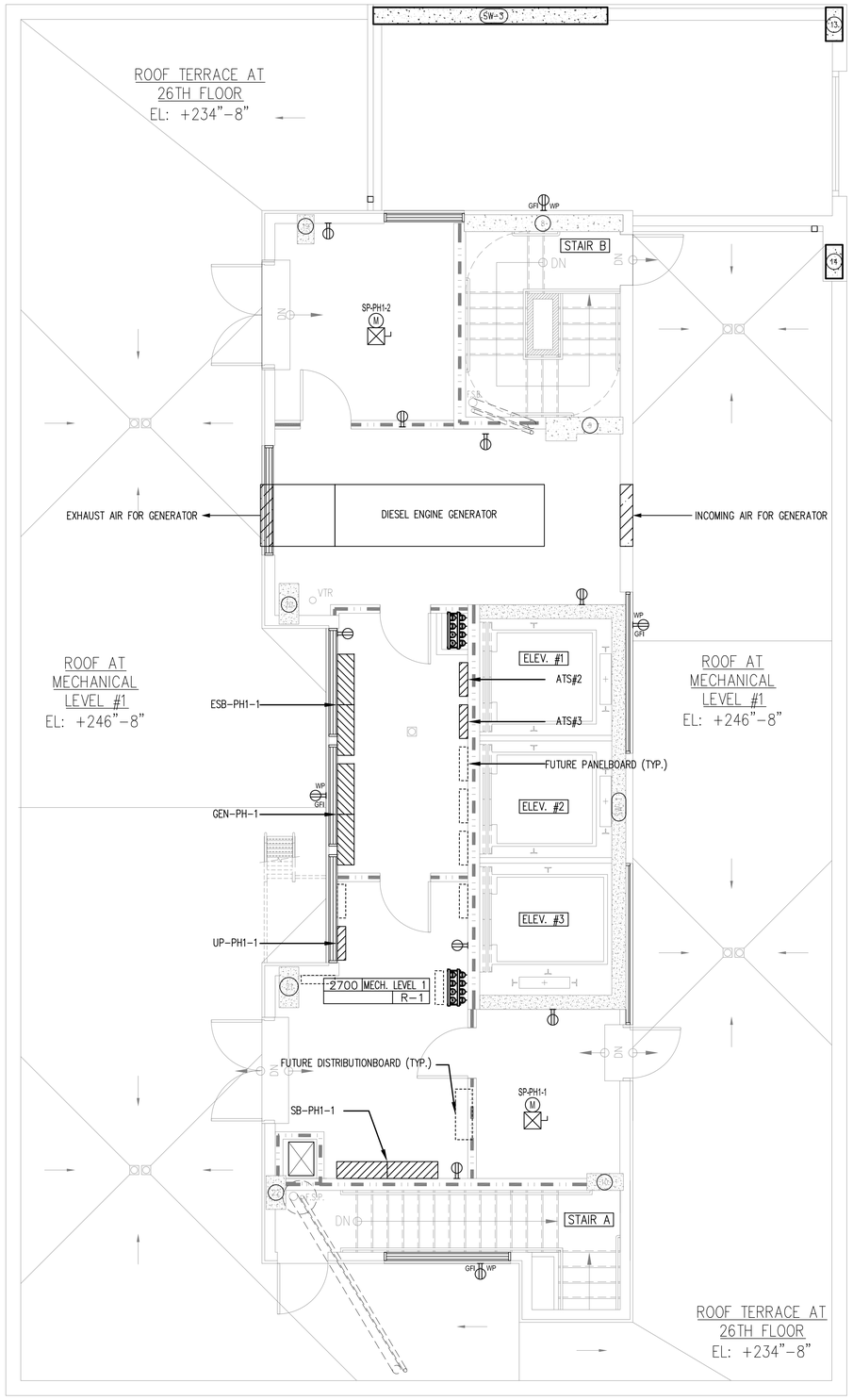
Drawing Number ## of

A-426.00

DOB B-Scan

21362

6 / 13 / 2011 21073-TITLE-32KACDWG Plotted: 10 / 8 / 2014 Wed: I:\2362-TB-2AVE\B - DOB\ I:\2362_26TH FLOOR PLAN\ I:\2362_DRAWINGS 25-26 \ POWER LEGEND-NOTES



POWER / COMM. LEGEND:

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	DUPLEX ELECTRICAL RECEPTACLE MOUNT 15" AFF UNLESS OTHERWISE NOTED	◀	DATA-DUPLEX ELECTRICAL RECEPTACLE MOUNT 15" AFF UNLESS OTHERWISE NOTED
GFI	GROUND FAULT ELECTRICAL RECEPTACLE MOUNT 36" AFF UNLESS OTHERWISE NOTED	◁	TELEPHONE OUTLET MOUNT 15" AFF UNLESS OTHERWISE NOTED
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SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

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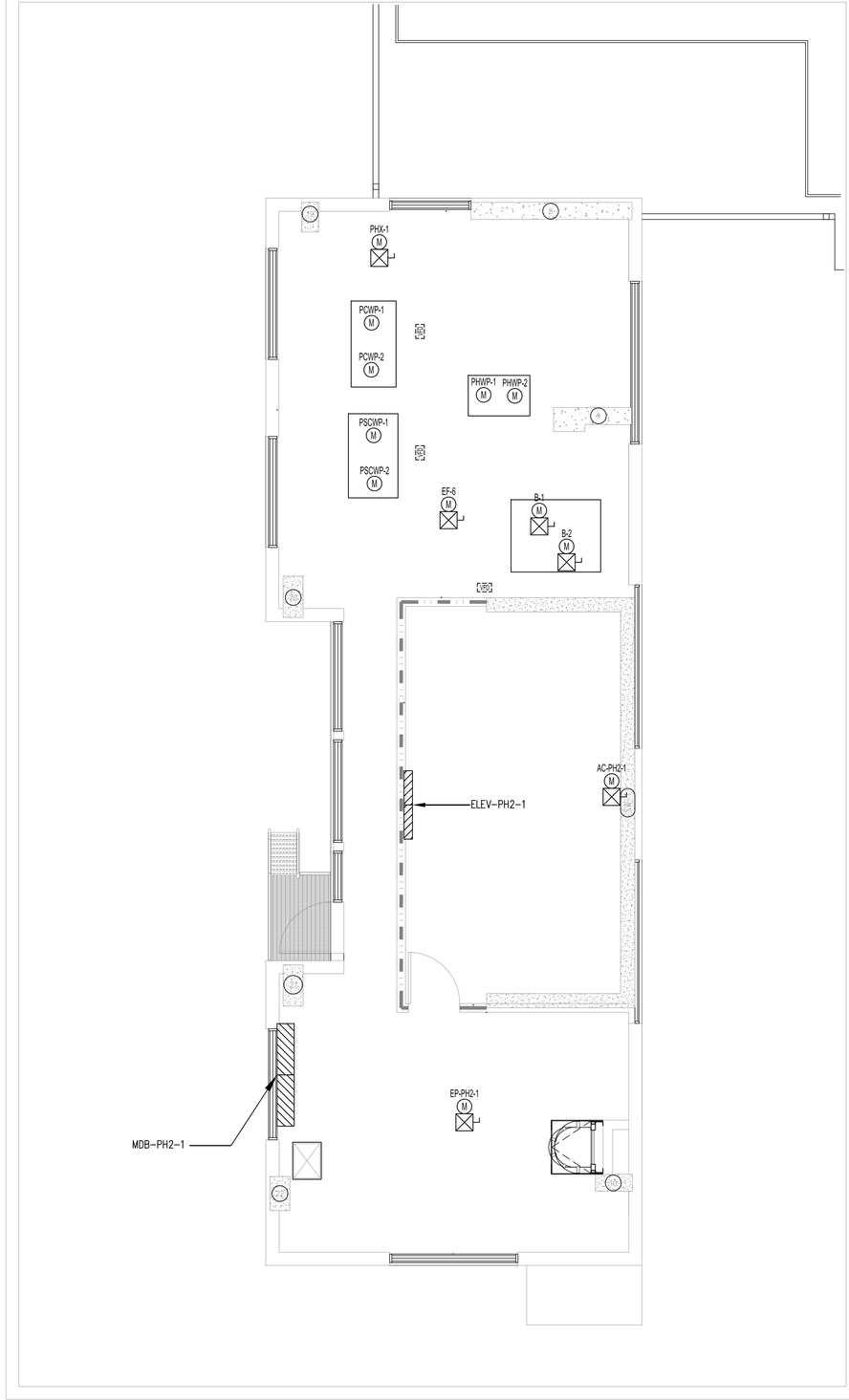
MECHANICAL LEVEL 1 FLOOR PLAN POWER AND DATA

Drawing Number ## of

1 A-427.00

DOB B-Scan

21362



POWER / COMM. LEGEND:

	QUADRUPLEX ELECTRICAL RECEPTACLE MOUNT 15" AFF UNLESS OTHERWISE NOTED	T	60" AFF WALL MOUNTED THERMOSTAT SWITCH 48" ADA ROOM MOUNT TO TOP OF FACEPLATE.
	DUPLEX ELECTRICAL RECEPTACLE MOUNT 15" AFF UNLESS OTHERWISE NOTED	◀	DATA–DUPLEX ELECTRICAL RECEPTACLE MOUNT 15" AFF UNLESS OTHERWISE NOTED
GFI	GROUND FAULT ELECTRICAL RECEPTACLE MOUNT 36" AFF UNLESS OTHERWISE NOTED	◁	TELEPHONE OUTLET MOUNT 15" AFF UNLESS OTHERWISE NOTED
	DUPLEX ELECTRICAL RECEPTACLE W/SWITCHED CONTROL AT BOTTOM OF RECEPTACLE MOUNT 15" AFF UNLESS OTHERWISE NOTED.	$	48" AFF (TO TOP OF FACEPLATE) WALL MOUNTED LIGHT SWITCH. SEE PLAN FOR LOCATION
b	QUADPLEX ELECTRICAL RECEPTACLE W/SWITCH CONTROL AT BOTTOM OF RECEPTACLE. MOUNT 15" AFF UNLESS OTHERWISE NOTED. (REFER TO ELECTRICAL DRAWINGS FOR CIRCUITING)	TV	TV COAXIAL CABLE OUTLET MOUNT 60" AFF UNLESS OTHERWISE NOTED

SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

6 / 13 / 2011 20713-TITLE-30X42.DWG Plotted: 10 / 8 / 2014 by mehl | 21362-19-2AOB - 008 | 21362_28 MECHANICAL PENTHOUSE 2 | 21362_36#DRAWALLS PENTHOUSE | POWER LEGEND+NOTES

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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STONEHILL & TAYLOR
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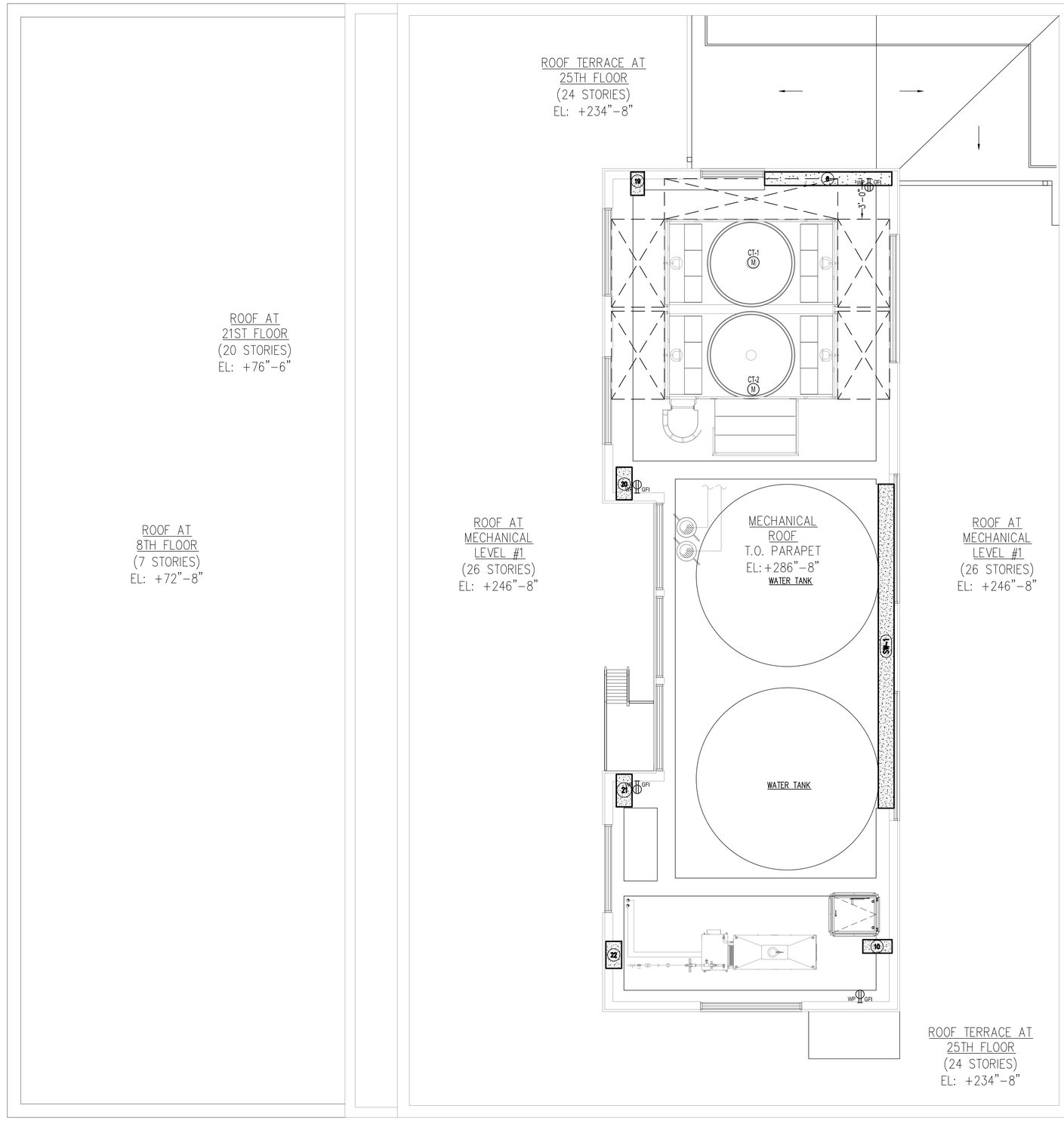
MECHANICAL LEVEL 2 FLOOR PLAN POWER AND DATA

Drawing Number ## of

1 A-428.00

DOB B-Scan

21362



SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

6 / 13 / 2011 20373-TITLE-ZONING Plotted: 10 / 8 / 2014 Wed | 21362-YB-2AUG -ORB | 21362_29 ROOF PLAN | 21362_SHEARWALLS PENTHOUSE ROOF

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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STONEHILL & TAYLOR
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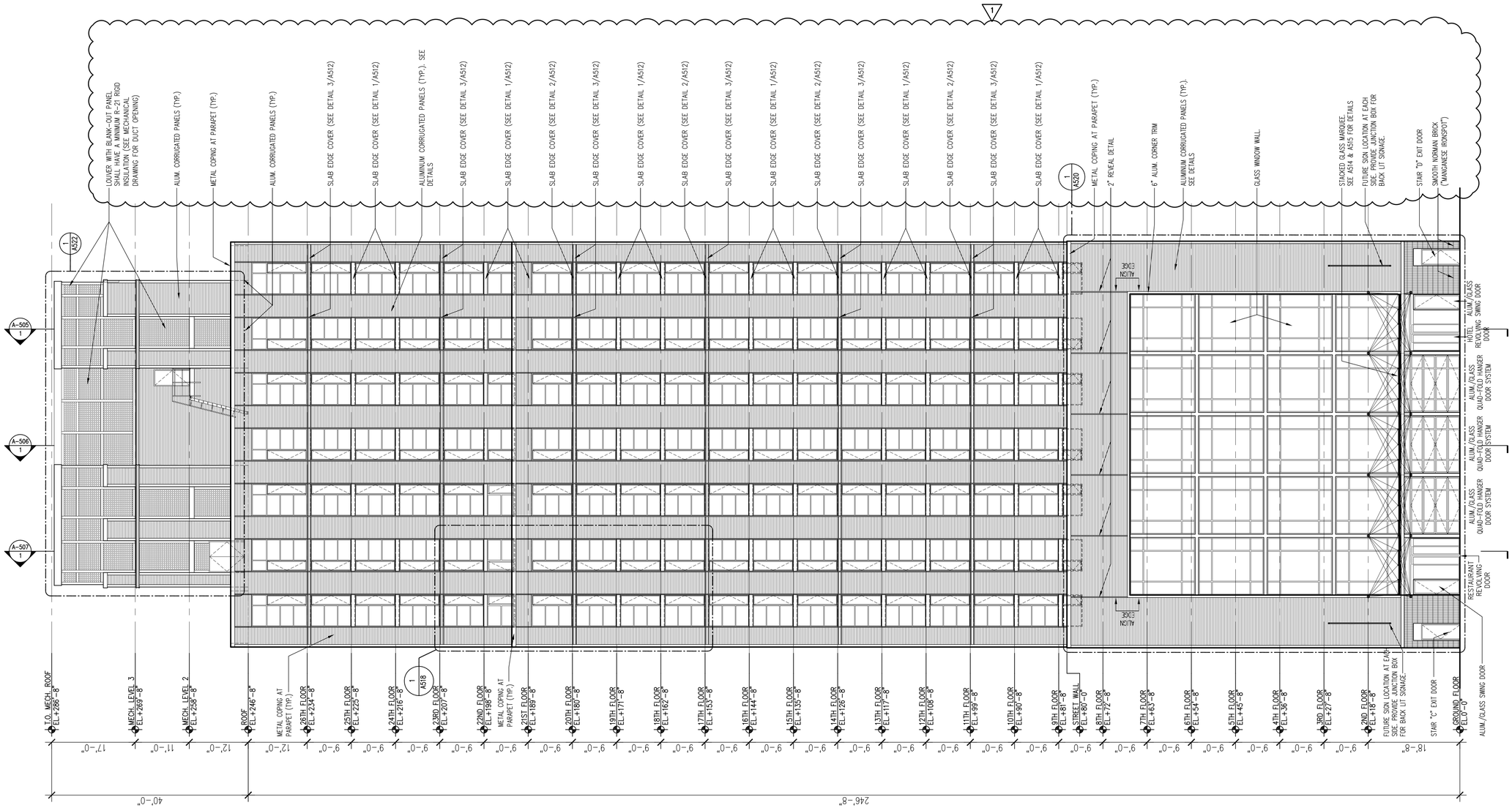
ROOF PLAN
POWER AND DATA

Drawing Number ## of

1 A-429.00

DOB B-Scan

21362



SCALE: 3/32" = 1'-0"

BLOCK: 759 LOT: 55

6 / 13 / 2011 21073-TITLE-30X42.DWG Plotted: 10 / 8 / 2014 Kvetz | 21362-TB-XMOD - 1008 | 21362_ELEVATION - FRONT MAIN | BUILDING ELEVATION MARKERS 3_32

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

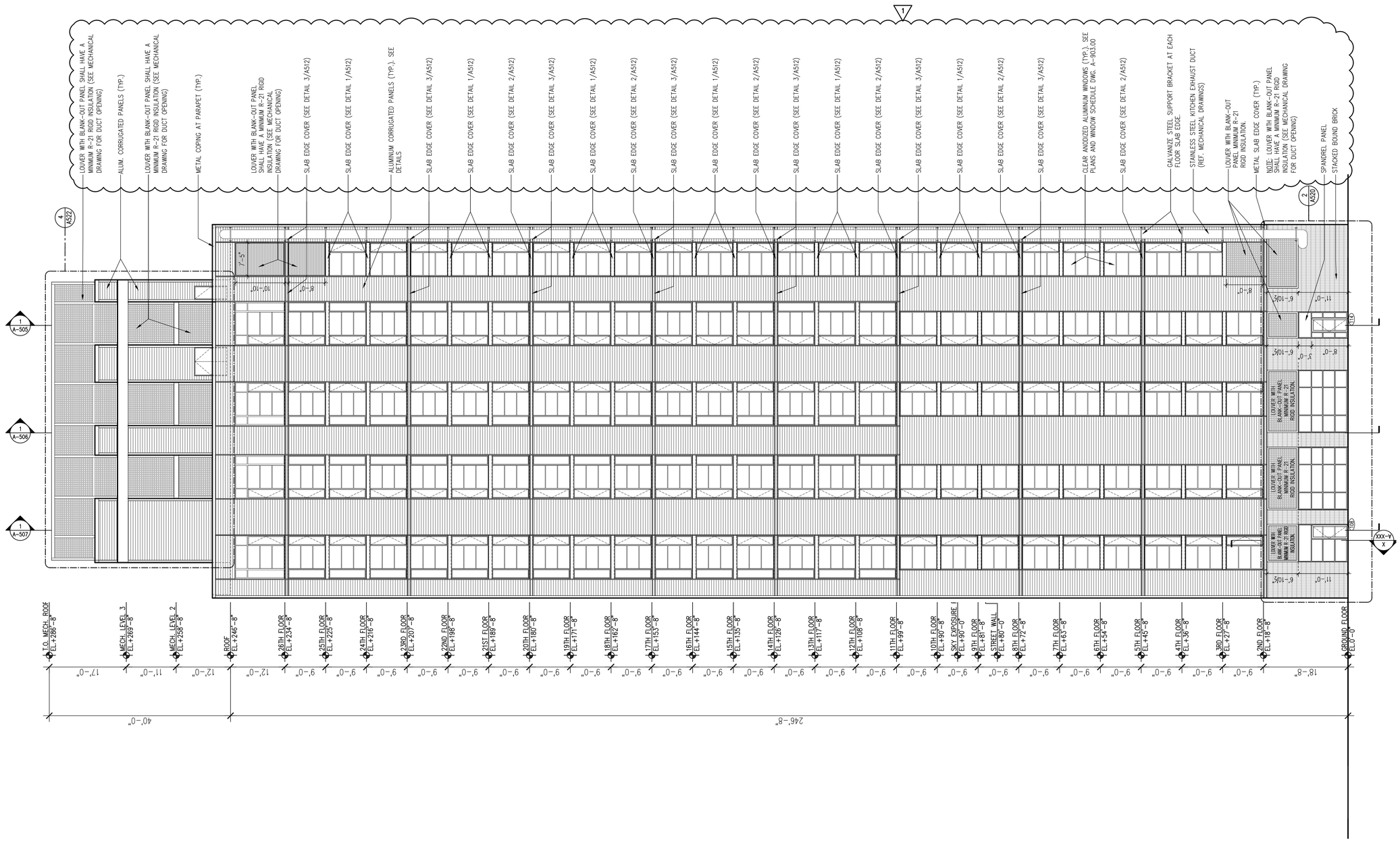
NORTH (FRONT) ELEVATION

Drawing Number ## of

A-501.00

DOB B-Scan

21362



SCALE: 3/32" = 1'-0"

BLOCK: 759 LOT: 55

6 / 13 / 2011 21073-TITLE-30X42.DWG Plotted: 10 / 8 / 2014 Wed | 21362-19-AXOS - 008 | 21362_ELEVATION - SOUTH | BUILDING ELEVATION MARKERS 3_32

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

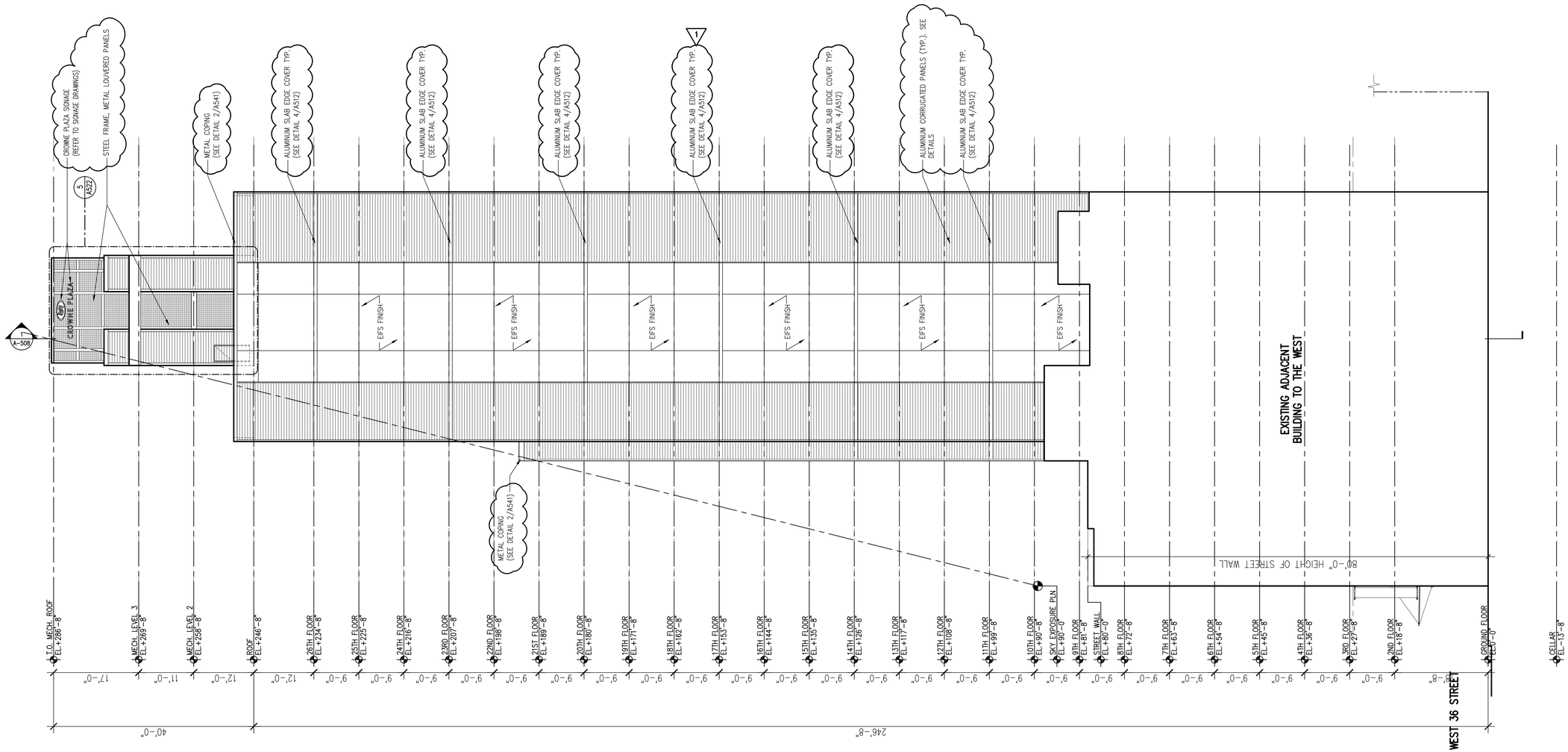
SOUTH (BACK) ELEVATION

Drawing Number ## of

A-502.00

DOB B-Scan

21362



SCALE: $\frac{3}{32}$" = 1'-0"

BLOCK: 759 LOT: 55

6 / 13 / 2011 21373-TITLE-SCHEDSMC Plotted: 10 / 8 / 2014 9:44:11 | 21362-TB-24X36 - DOB | 21362_ELEVATION - SOE WEST | BUILDING ELEVATION MARKERS 3_32

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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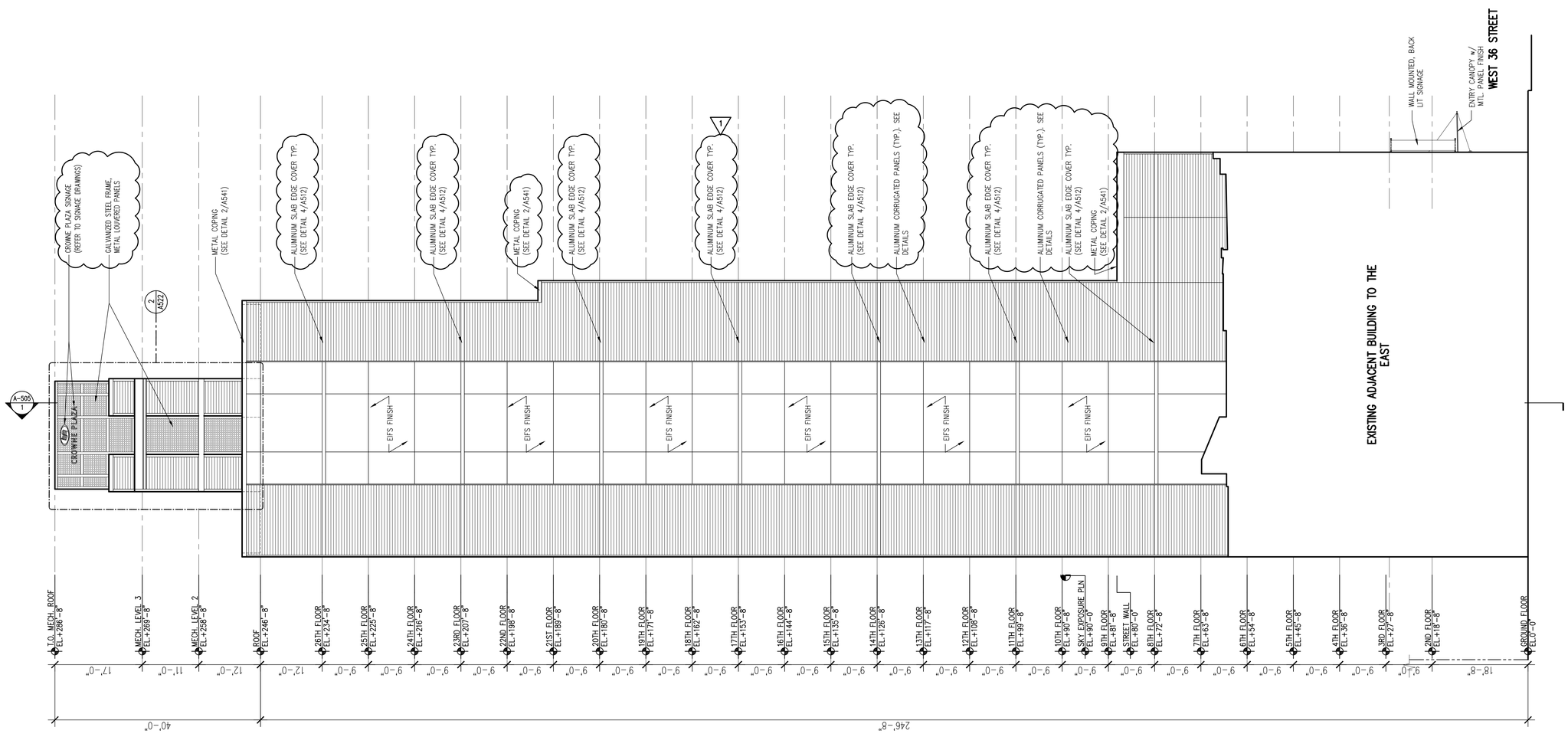
WEST(SIDE) ELEVATION

Drawing Number ## of

A-503.00

DOB B-Scan

21362



6 / 13 / 2011 21073-TITLE-30X42.DWG Plotted: 10 / 8 / 2014 Xrefs: | 21362-TB-24X36 -DOB | 21362_ELEVATION - SIDE EAST | BUILDING ELEVATION MARKERS 3_32

SCALE: $\frac{3}{32}$" = 1'-0"

BLOCK: 759 LOT: 55

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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STONEHILL & TAYLOR
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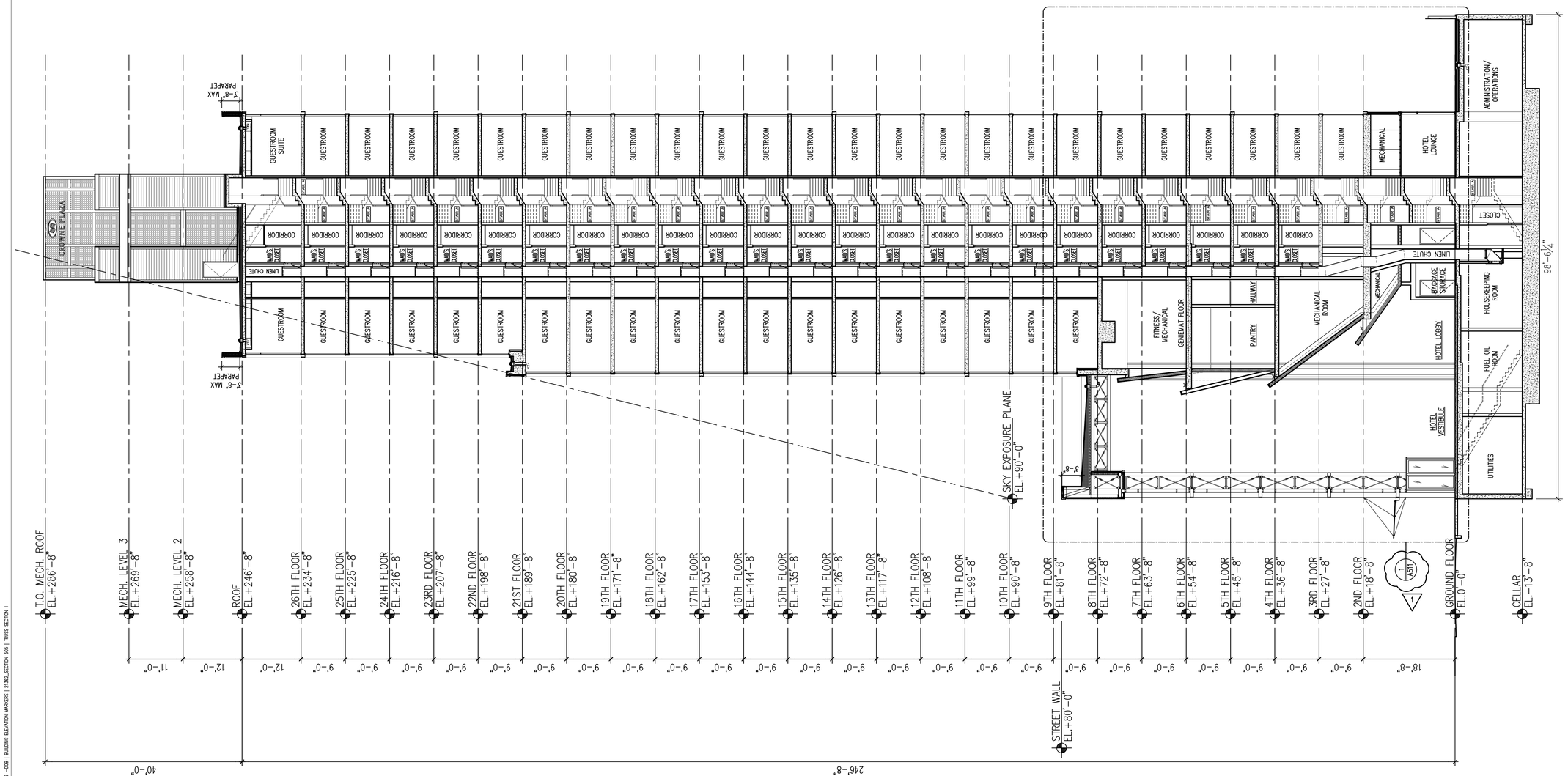
EAST(SIDE) ELEVATION

Drawing Number ## of

A-504.00

DOB B-Scan

21362



SCALE: 3/32" = 1'-0"

BLOCK: 759 LOT: 55

6 / 13 / 2011 21073-TITLE-30X42.PMC Plotted: 10 / 8 / 2014 Kvetk | 21362-19-XAOS - 1068 | BUILDING ELEVATION MARKERS | 21362_SECTION 505 | TRUSS SECTION 1

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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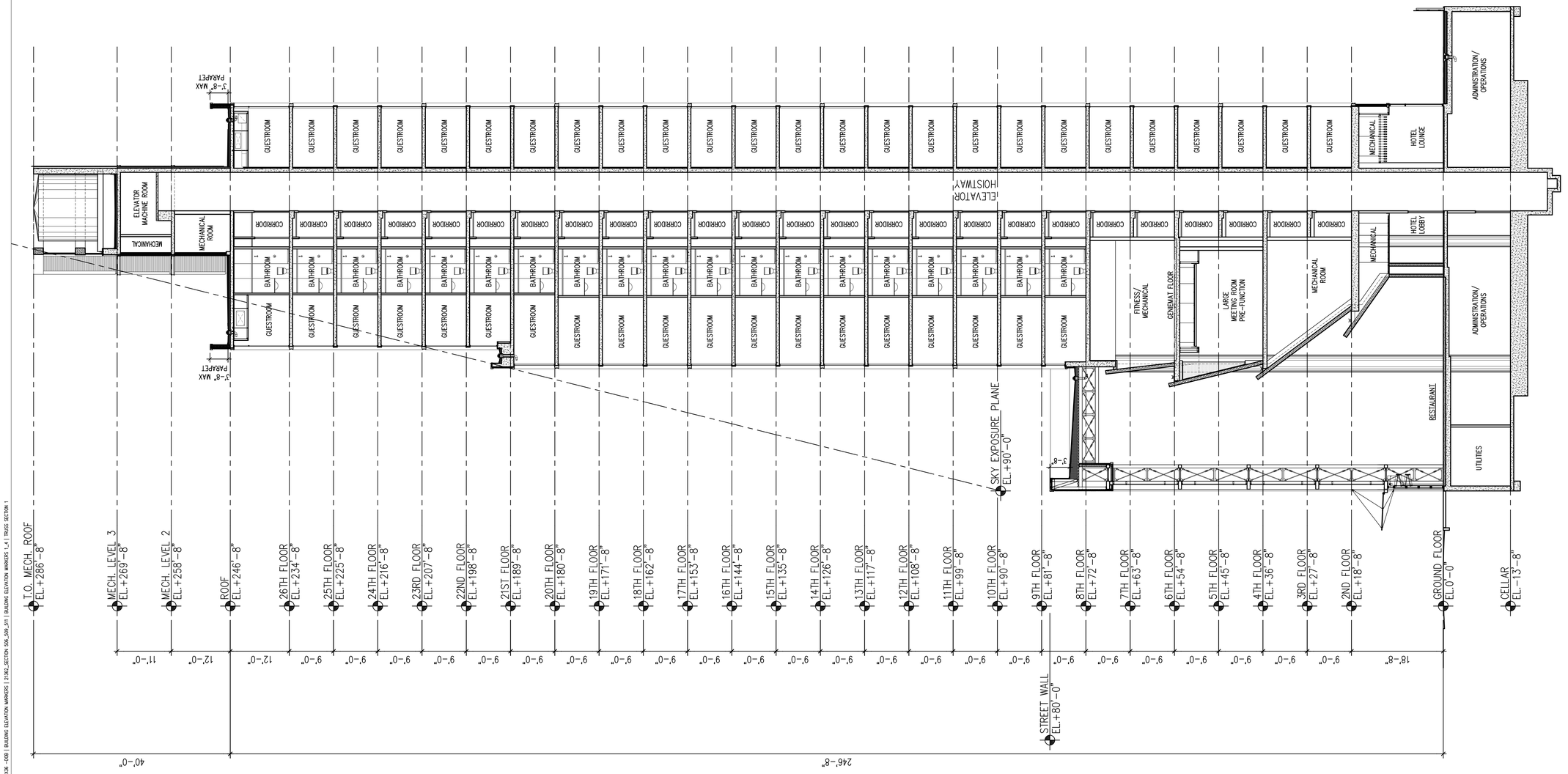
BUILDING SECTION

Drawing Number ## of

A-505.00

DOB B-Scan

21362



SCALE: 3/32" = 1'-0"

BLOCK: 759 LOT: 55

6 / 13 / 2011 21073-TITLE-30X42.PMC Plotted: 10 / 8 / 2014 Kvitle | 21362-TB-XMOB - 008 | BUILDING ELEVATION MARKERS | 21362_SECTION 006_009_011 | BUILDING ELEVATION MARKERS 1_4 | TROSS SECTION 1

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
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07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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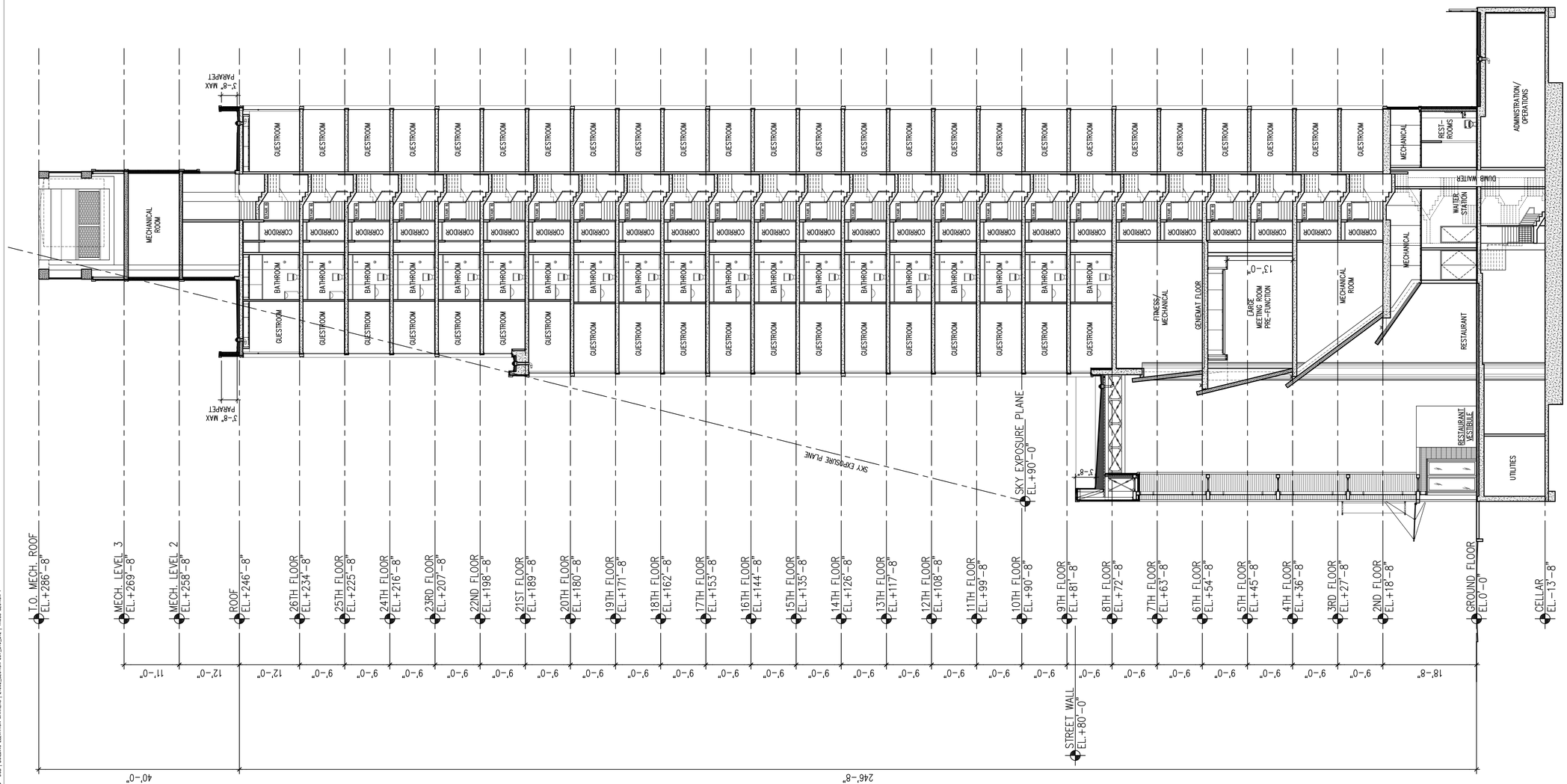
Drawing Number ## of

A-506.00

DOB B-Scan

21362



SCALE: 3/32" = 1'-0"

BLOCK: 759 LOT: 55

6 / 13 / 2011 21073-TITLE-30X42.DWG Plotted: 10 / 8 / 2014 Xrefs: | 21362-TB-24X36 -DOB | BUILDING ELEVATION MARKERS | 21362_SECTION 507_510_512 | TRUSS SECTION 1

Issue Record

02.28.2014	D.O.B. SUBMISSION
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07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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STONEHILL & TAYLOR
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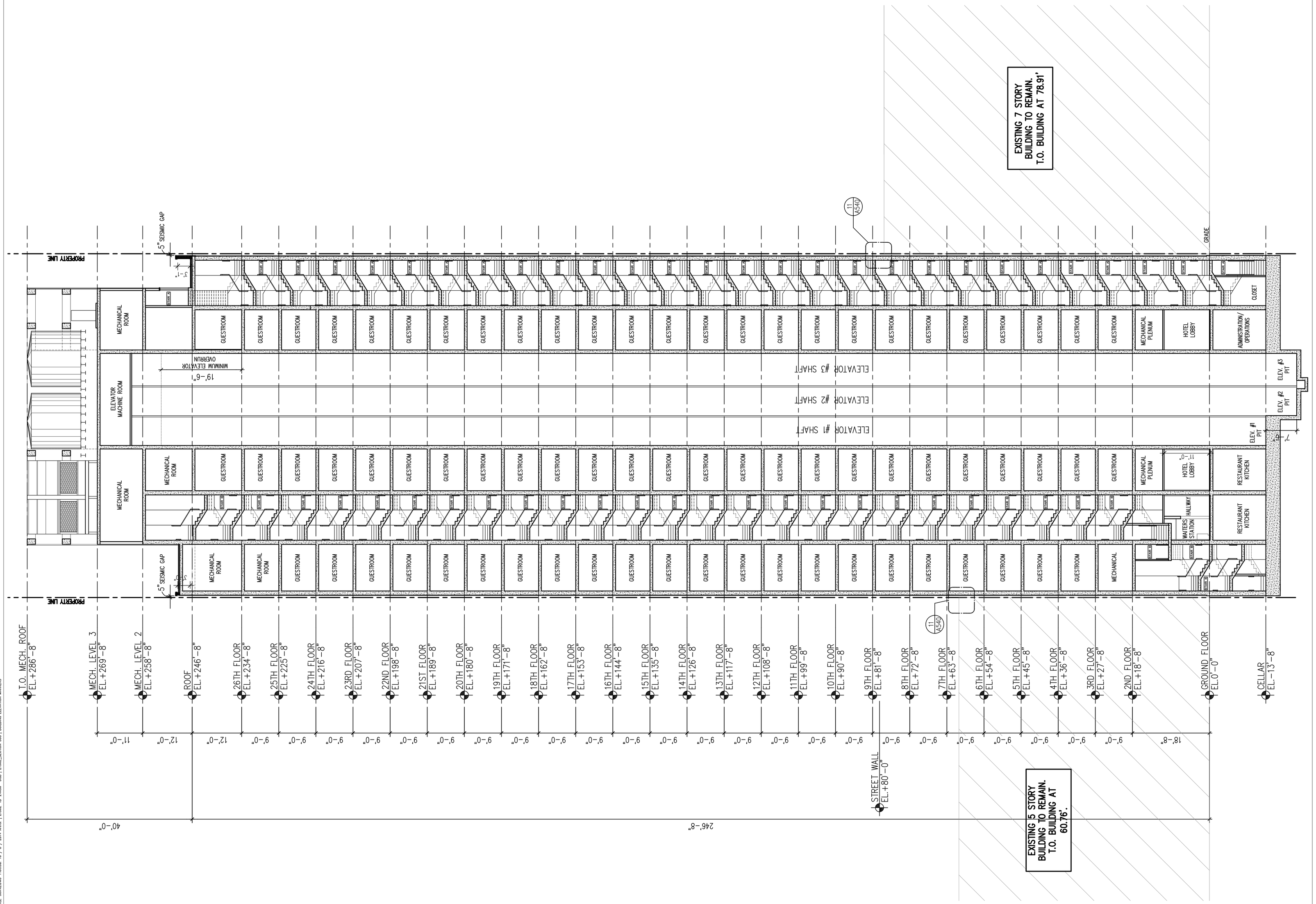
BUILDING SECTION

Drawing Number ## of

A-507.00

DOB B-Scan

21362



SCALE: 3/32" = 1'-0"

BLOCK: 759 LOT: 55

6 / 13 / 2011 21073-TITLE-30X42.DWG Plotted: 10 / 8 / 2014 By:eric [21362-1B-24X36 -008] 21362_SECTION 500 | BUILDING ELEVATION MARKERS

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

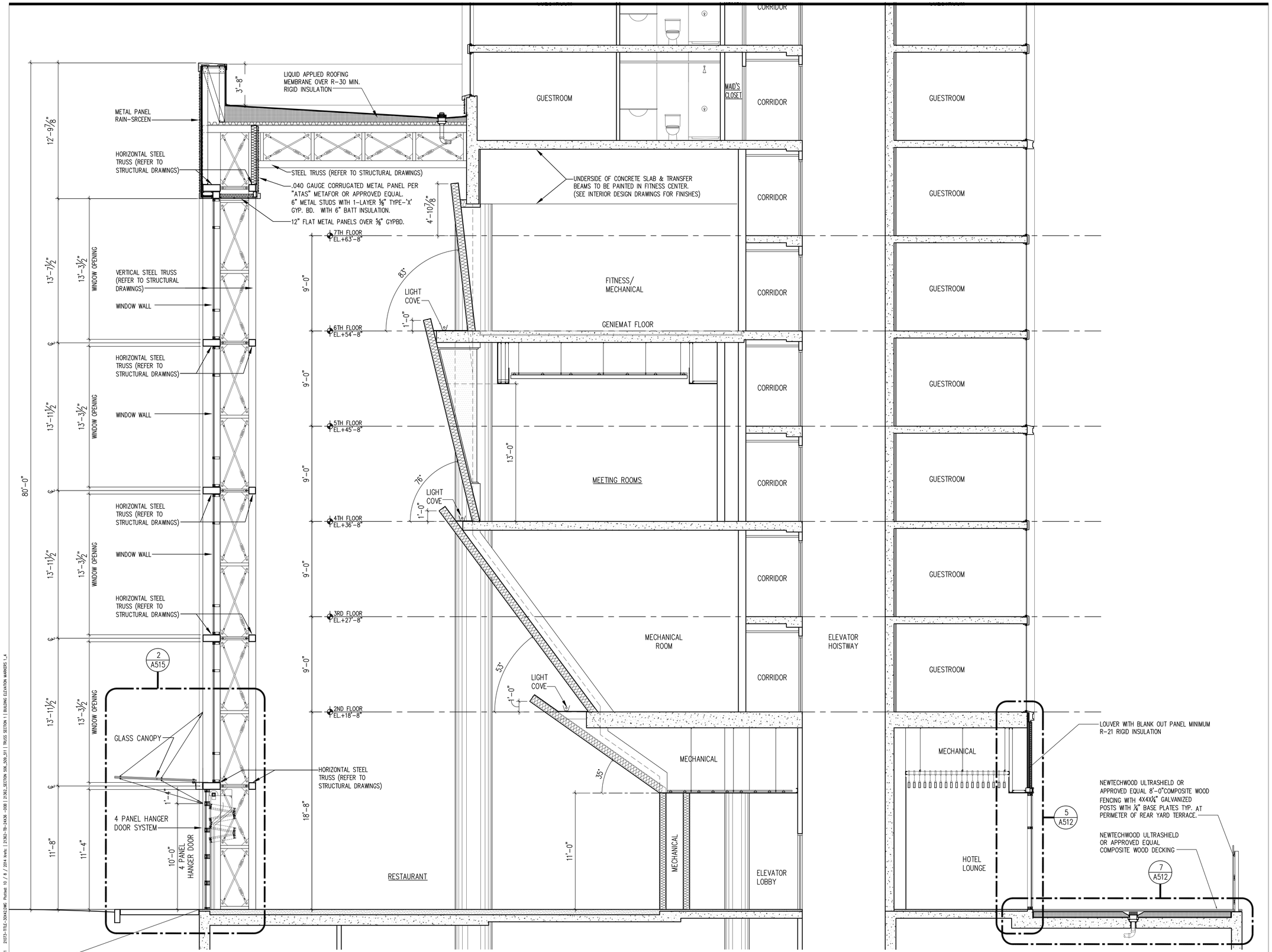
BUILDING SECTION

Drawing Number ## of

A-508.00

DOB B-Scan

21362



SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

6 / 13 / 2011 21973-TITLE-SDKA2.DWG Plotted: 10 / 8 / 2014 Wed | 21362-TB-24X36 - ODB | 21362_SECTION 508_509_511 | BUILDING SECTION | BUILDING ELEVATION MARKERS 1_4

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
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09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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Seal

Project

AC 320 HOTEL PARTNERS LLC
NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

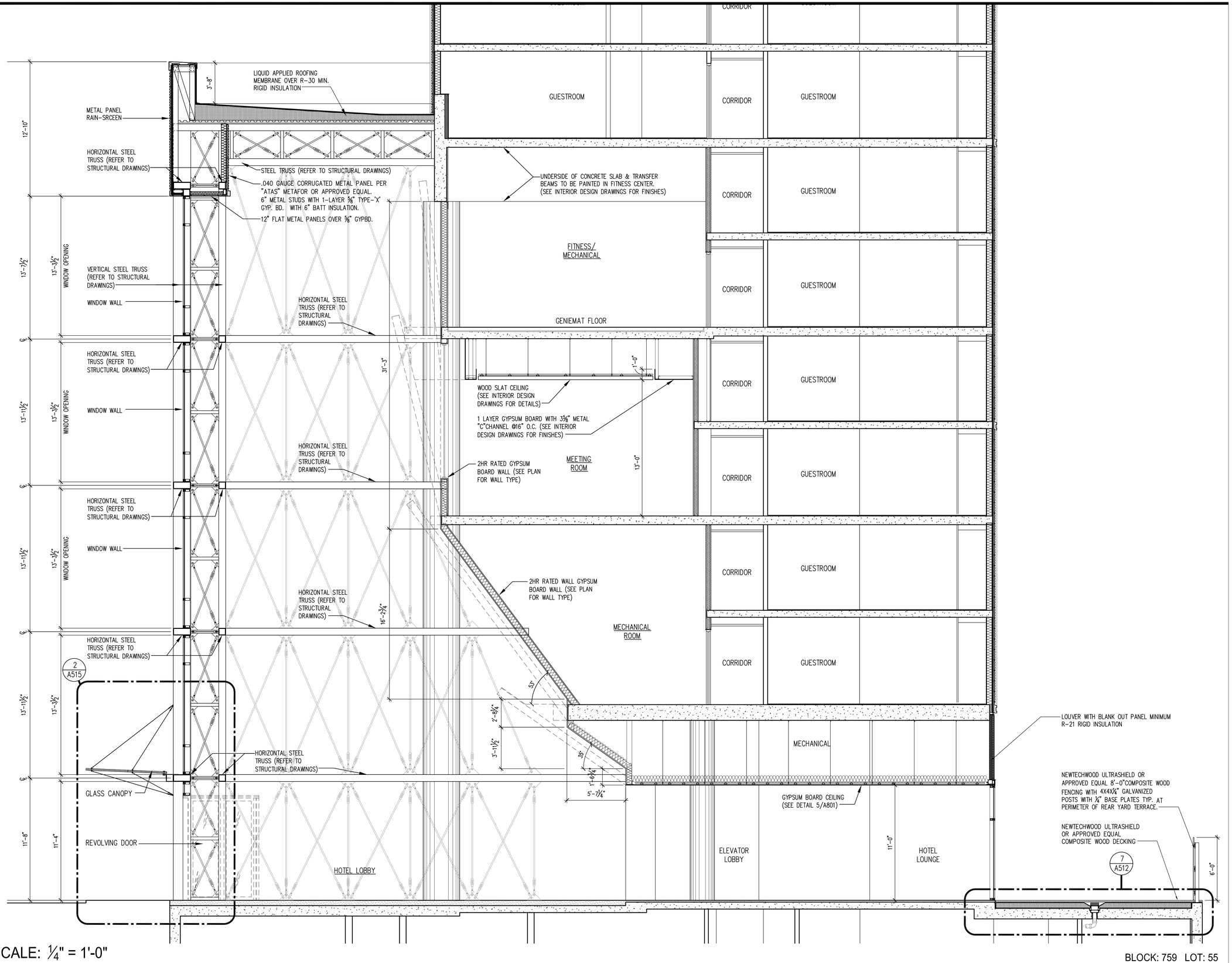
BUILDING SECTION AT RESTARAUNT (PARTIAL)

Drawing Number ## of

A-509.00

DOB B-Scan

21362



SCALE: ¼" = 1'-0"

BLOCK: 759 LOT: 55

6 / 13 / 2014 21375-TITLE-30X42.DWG Plotted: 10 / 8 / 2014 Xrefs: | 21362-TB-24X36 - DOB | 21362_SECTION 500A.DWL | TYPICAL SECTION | | BUILDING ELEVATION MARKERS 1_4

Issue Record

02.28.2014	D.O.B. SUBMISSION
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08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

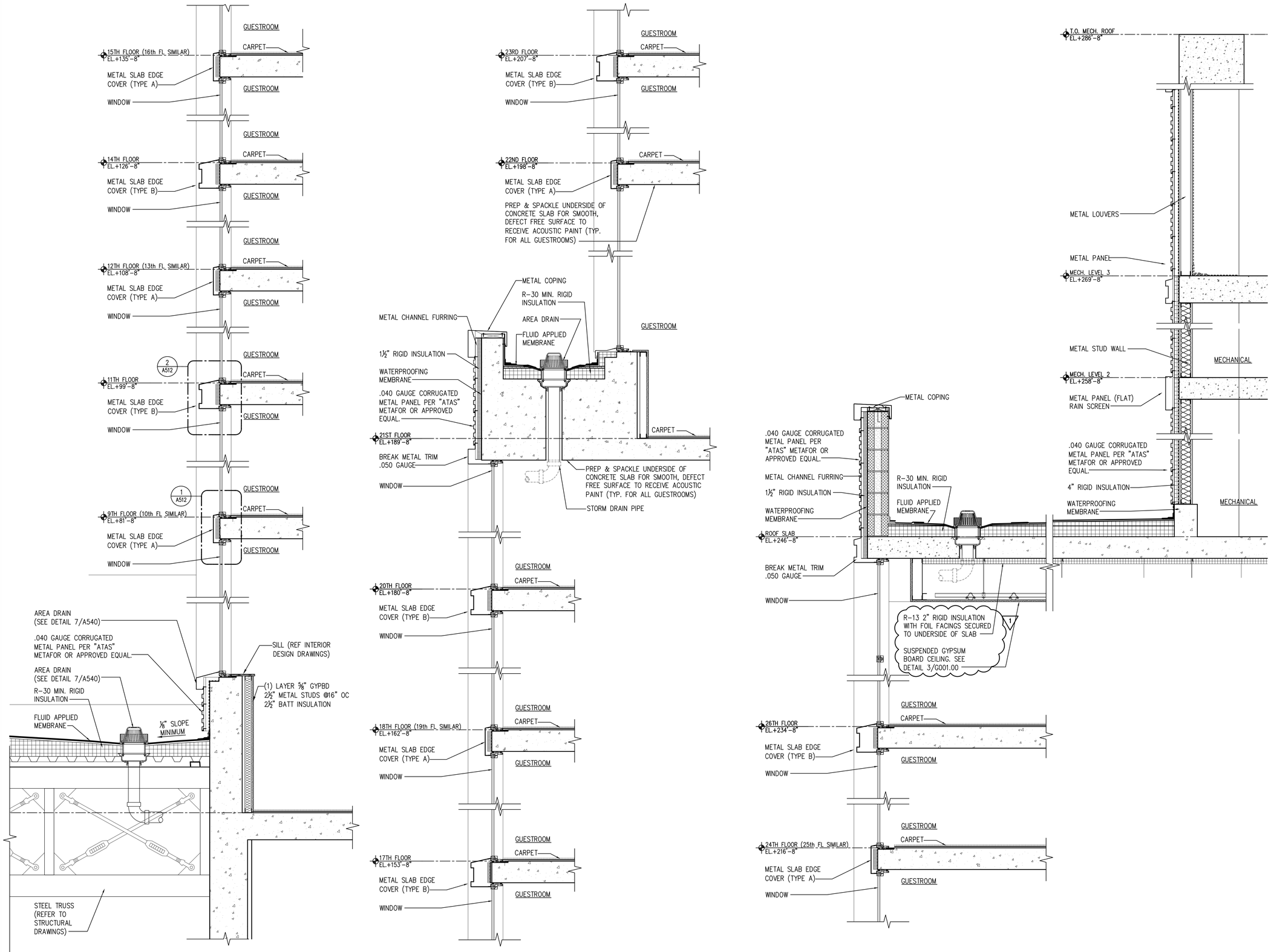
BUILDING SECTION AT HOTEL LOBBY (PARTIAL)

Drawing Number ## of

A-509A.00

DOB B-Scan

21362



1 WALL SECTION
SCALE : 3/4" = 1'-0"

SCALE: ¾" = 1'-0"

BLOCK: 759 LOT: 55

6 / 13 / 2011 21013-TITLE-22X42.DWG Plotted: 10 / 8 / 2014 Width: 1 21362-TB-24X36 -006 | 21362_SECTION 007_010_012 | TROSS SECTION 1

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
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07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

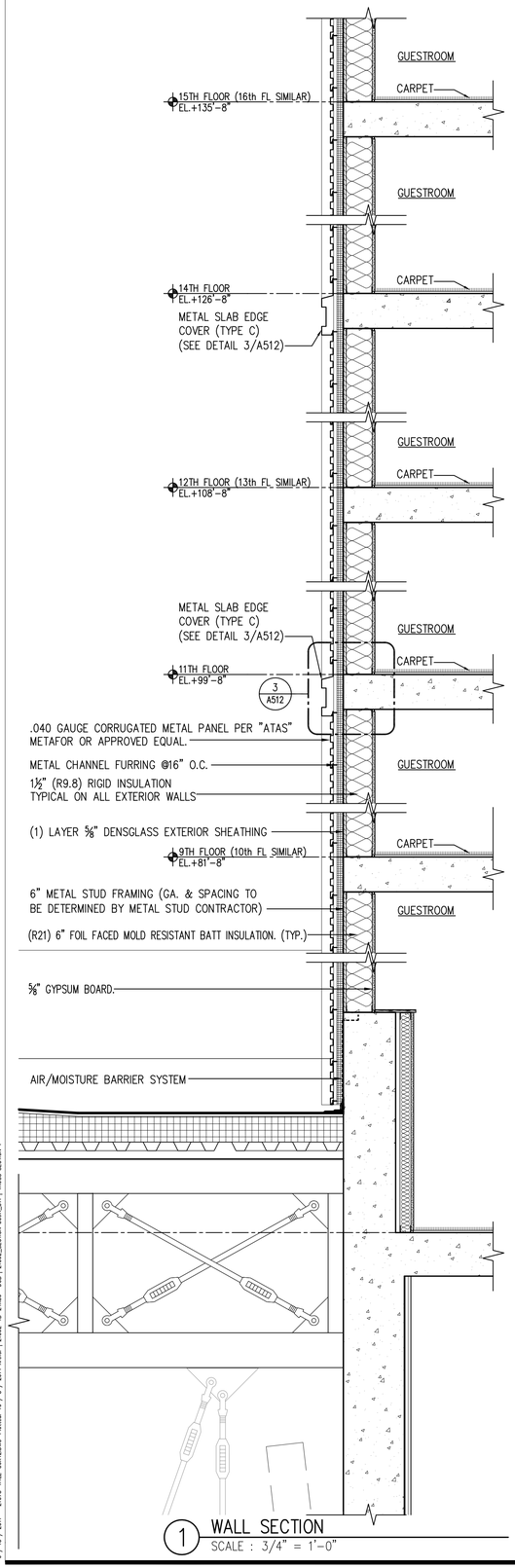
WALL SECTION

Drawing Number ## of

A-510.00

DOB B-Scan

21362



1 WALL SECTION
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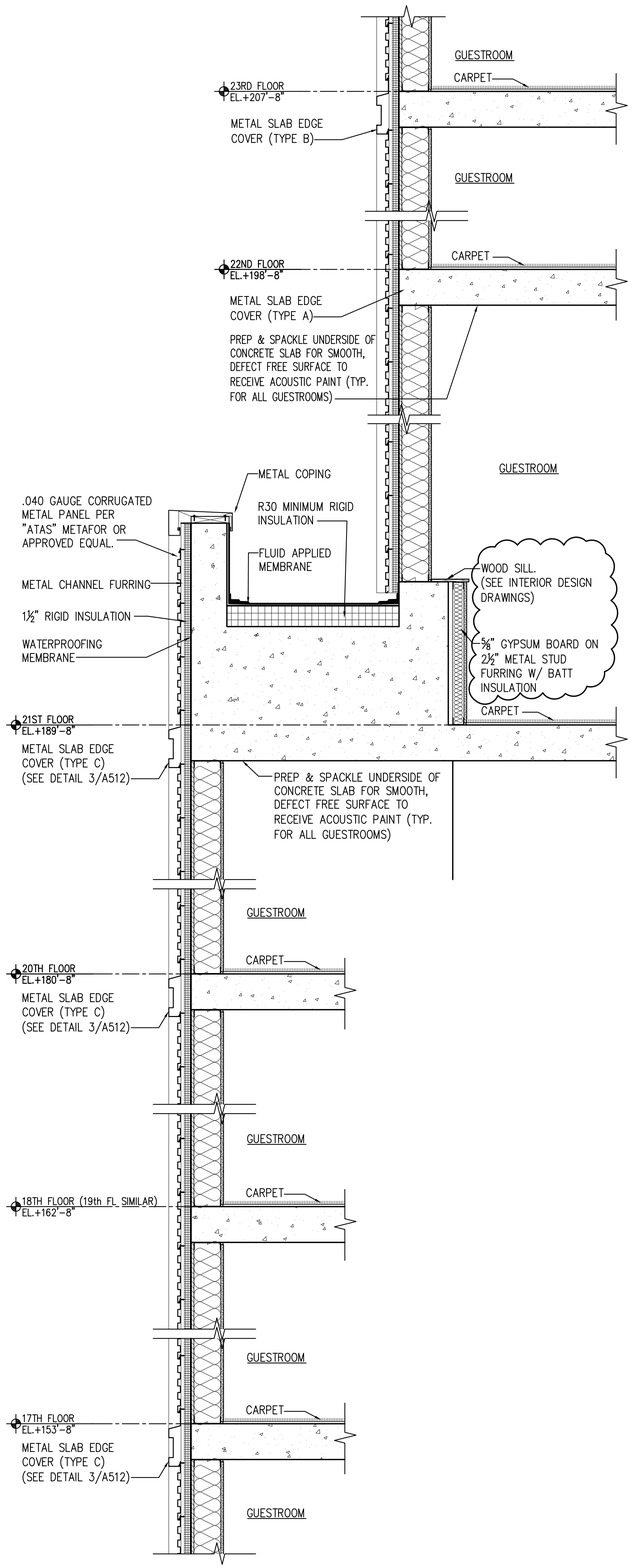

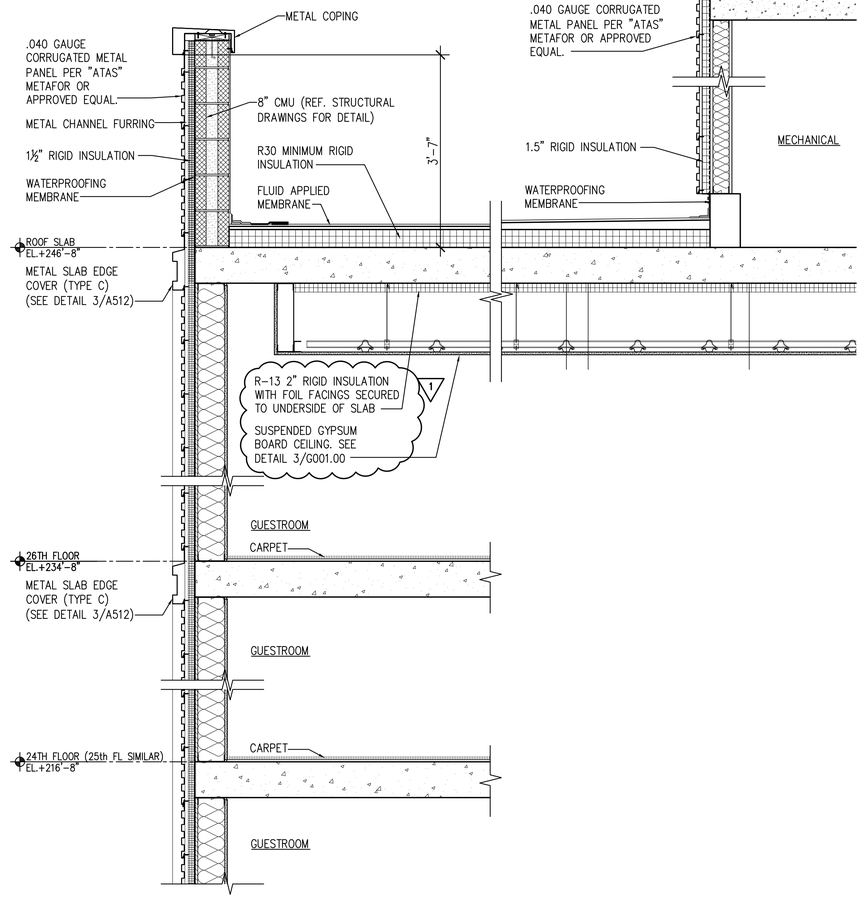

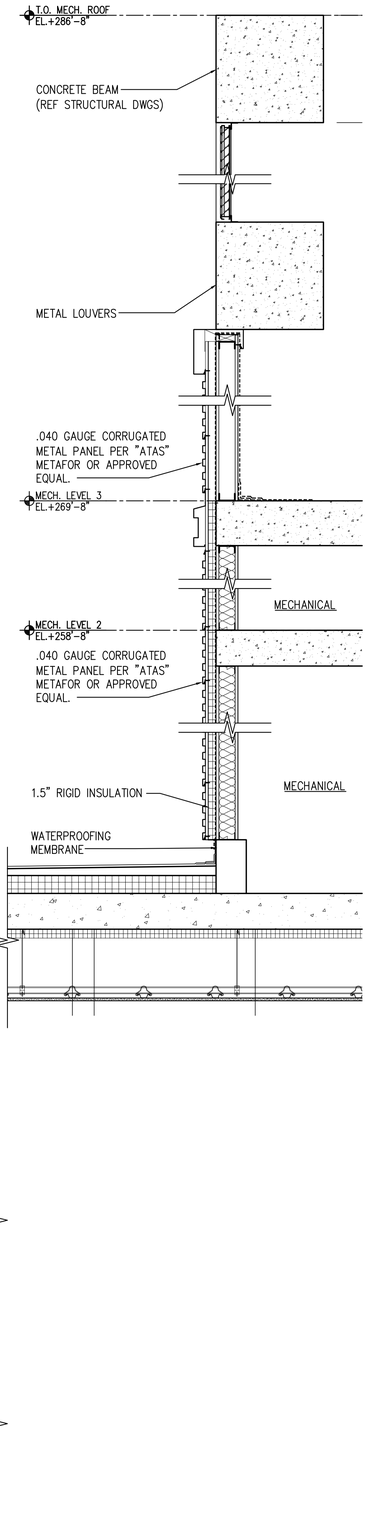

SCALE: 3/4" = 1'-0"

BLOCK: 759 LOT: 55

6 / 13 / 2011 20073-TITLE-32X42.DWG Plotted: 10 / 8 / 2014 Wed. | 21362-RB-24X36 -108 | 21362_SECTION 009A_SH | TROSS SECTION 1

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
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Revision Record

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Seal

Project

AC 320 HOTEL PARTNERS LLC
NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

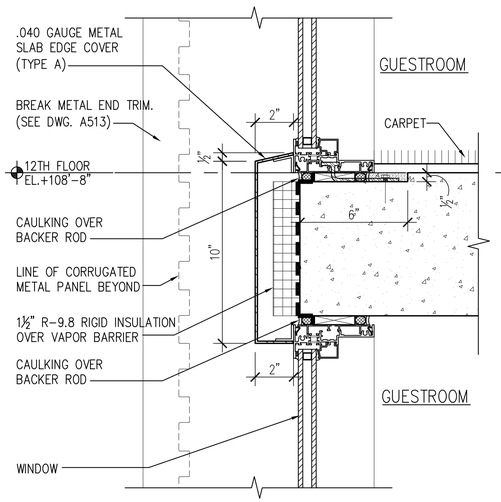
WALL SECTION

Drawing Number ## of

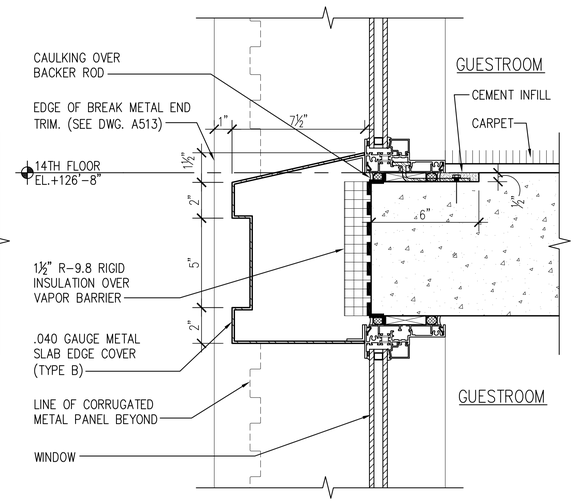
A-511.00

DOB B-Scan

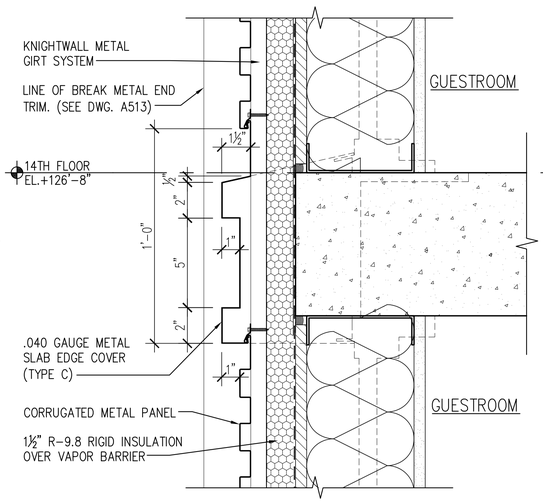
21362



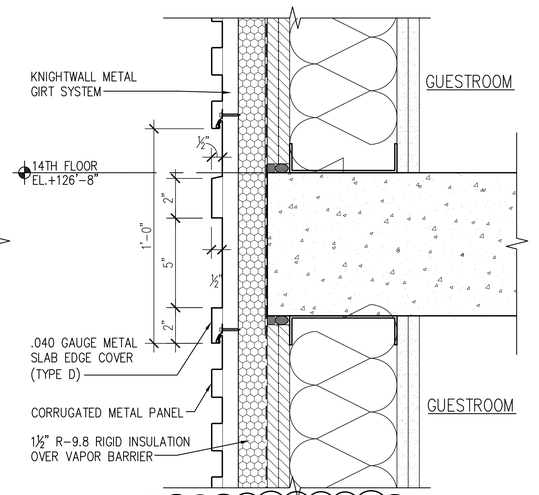
1 SLAB EDGE DETAIL "A"
SCALE : 3" = 1'-0"



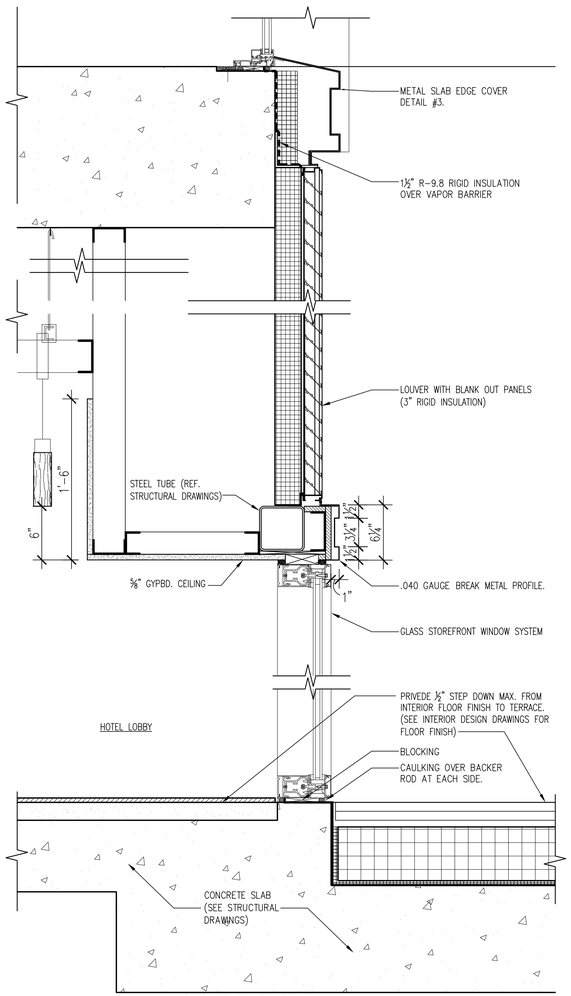
2 SLAB EDGE DETAIL "B"
SCALE : 3" = 1'-0"



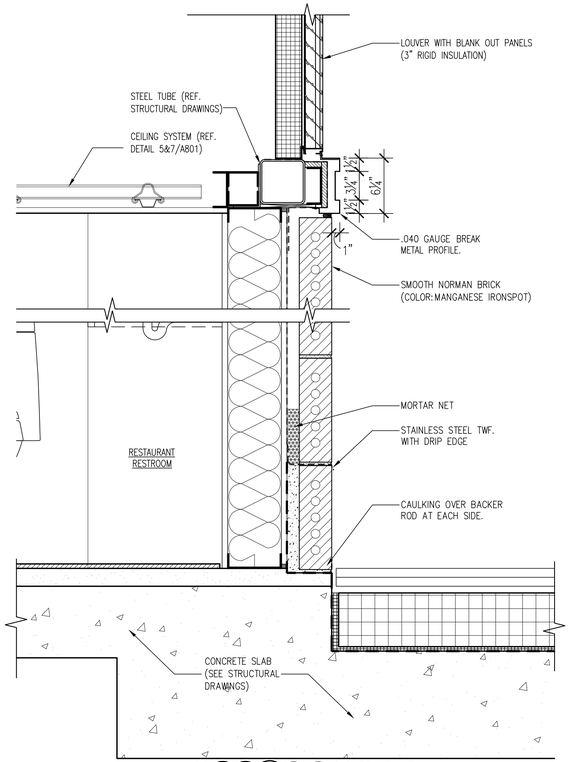
3 SLAB EDGE DETAIL "C"
SCALE : 3" = 1'-0"



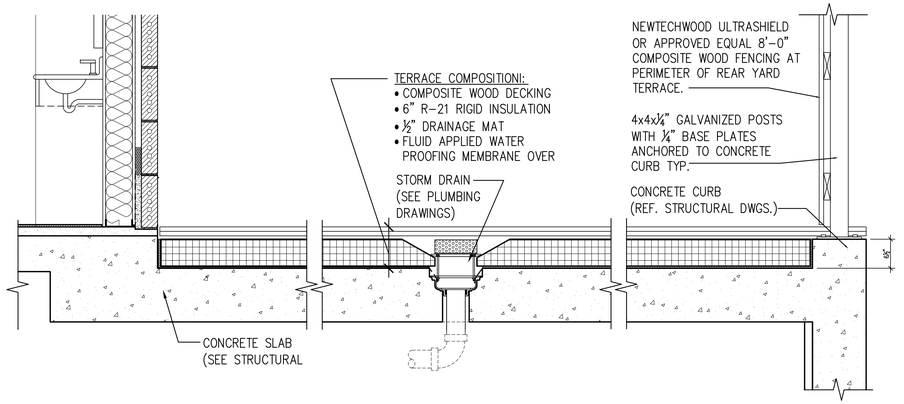
4 SLAB EDGE DETAIL "D"
SCALE : 3" = 1'-0"



5 DETAILED SECTION AT REAR LOBBY STOREFRONT
SCALE : 1-1/2" = 1'-0"



6 DETAILED SECTION AT REAR LOBBY MASONRY WALL
SCALE : 1-1/2" = 1'-0"



7 TERRACE SECTION DETAIL
SCALE : 1 1/2" = 1'-0"

BLOCK: 759 LOT: 55

Issue Record

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Project

AC 320 HOTEL PARTNERS LLC
NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

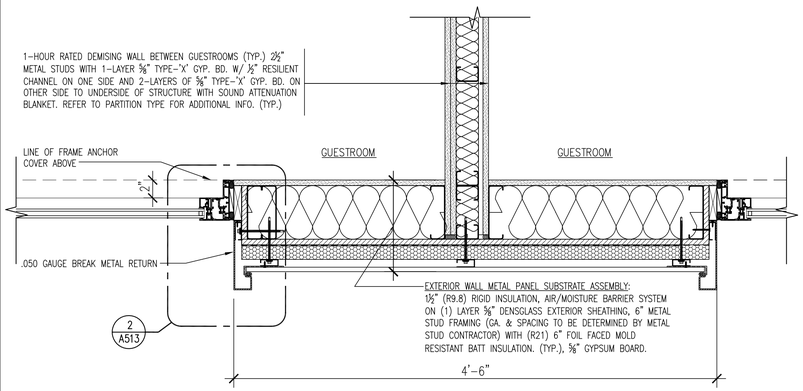
EXTERIOR WALL DETAILS & REAR TERRACE SECTION

Drawing Number ## of

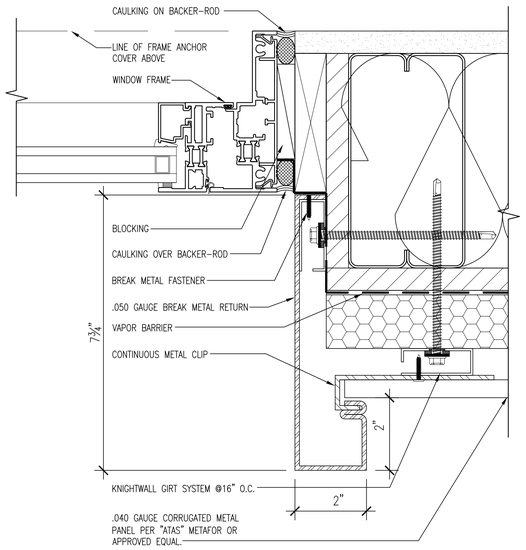
A-512.00

DOB B-Scan

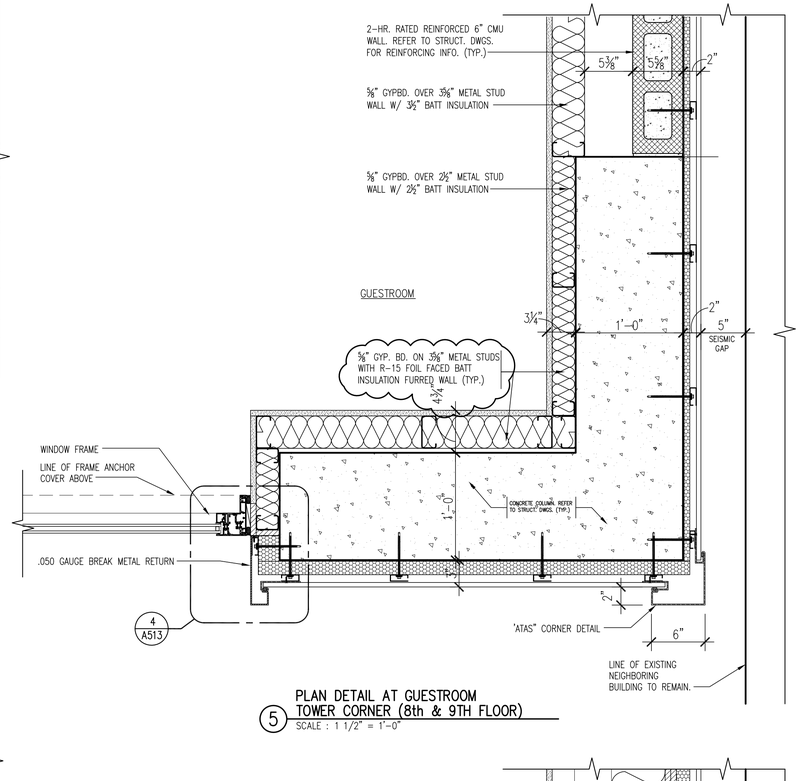
21362



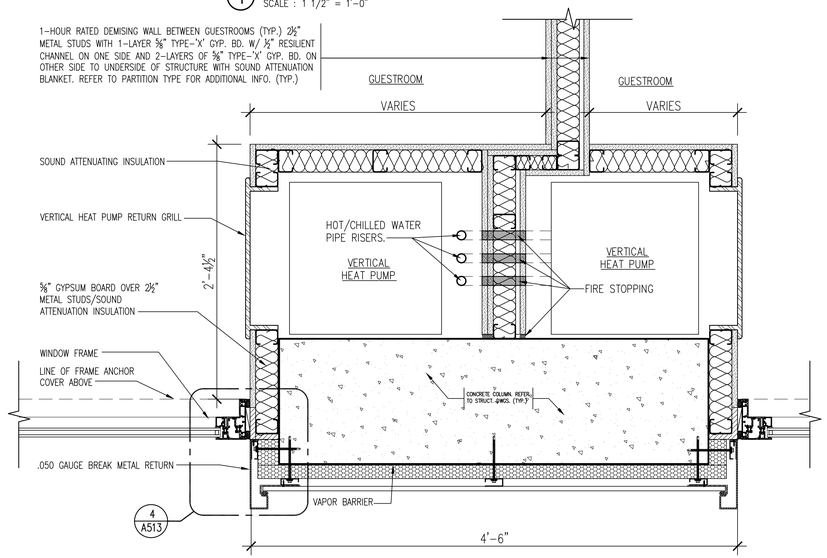
1 PLAN DETAIL AT EXTERIOR WALL BETWEEN GUESTROOMS
SCALE : 1 1/2" = 1'-0"



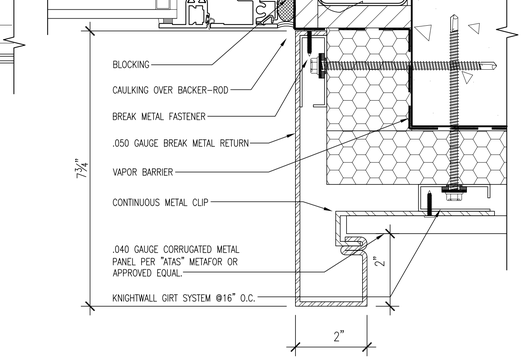
2 PLAN DETAIL AT WINDOW WALL
SCALE : 6" = 1'-0"



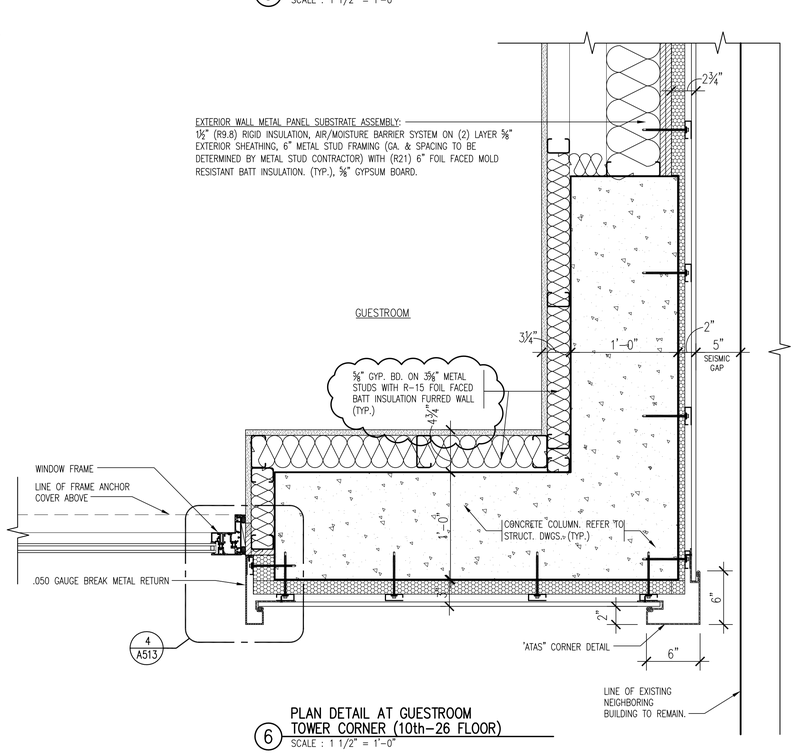
5 PLAN DETAIL AT GUESTROOM TOWER CORNER (8th & 9TH FLOOR)
SCALE : 1 1/2" = 1'-0"



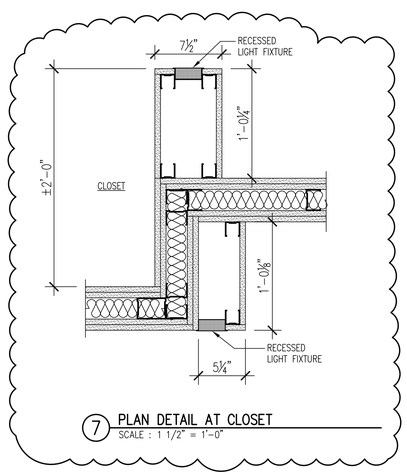
3 PLAN DETAIL AT VERTICAL HEAT PUMP ENCLOSURE
SCALE : 1 1/2" = 1'-0"



4 PLAN DETAIL AT VERTICAL HEAT PUMP ENCLOSURE
SCALE : 6" = 1'-0"



6 PLAN DETAIL AT GUESTROOM TOWER CORNER (10th-26 FLOOR)
SCALE : 1 1/2" = 1'-0"



7 PLAN DETAIL AT CLOSET
SCALE : 1 1/2" = 1'-0"

BLOCK: 759 LOT: 55

Issue Record

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Seal

Project

AC 320 HOTEL PARTNERS LLC
NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

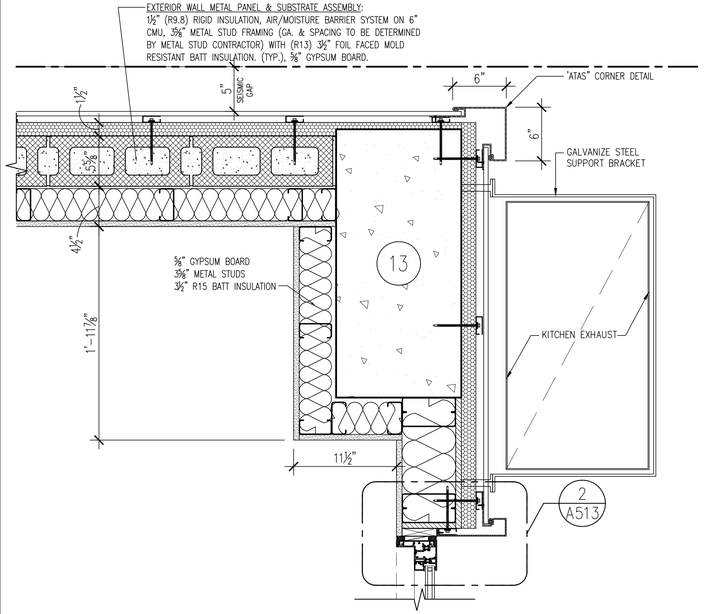
EXTERIOR WALL PLAN DETAILS

Drawing Number ## of

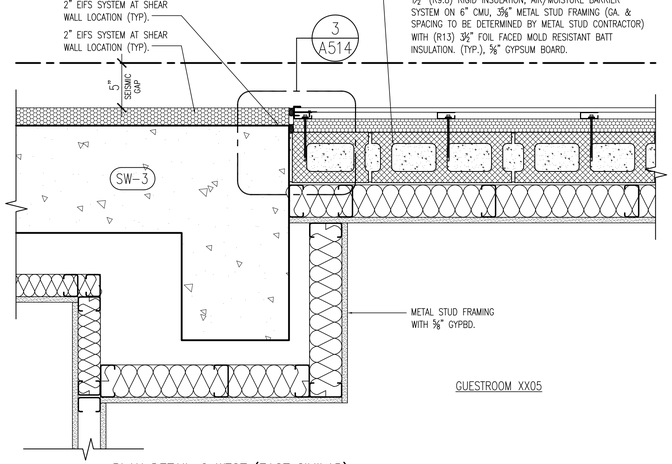
A-513.00

DOB B-Scan

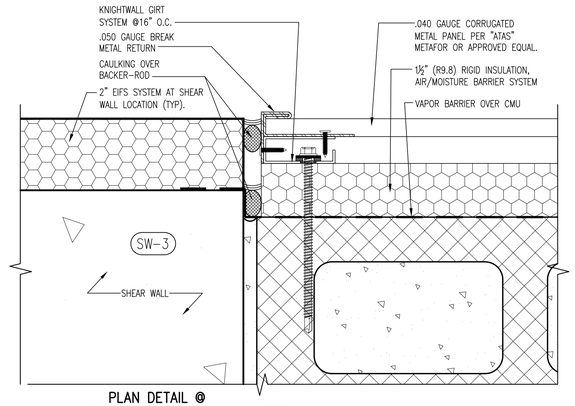
21362



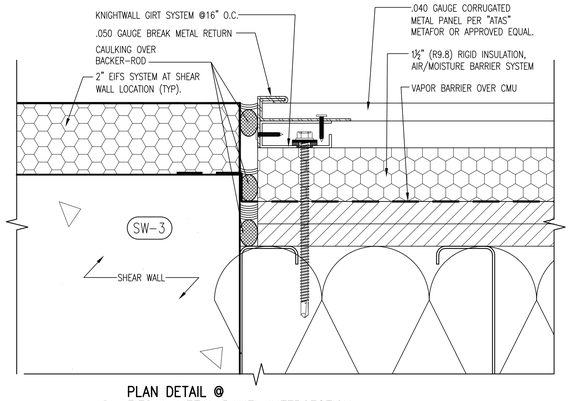
1 PLAN DETAIL @ SOUTH EAST (SOUTH WEST) CORNER EXTERIOR WALL (1st to 9th floor)
SCALE : 1 1/2" = 1'-0"



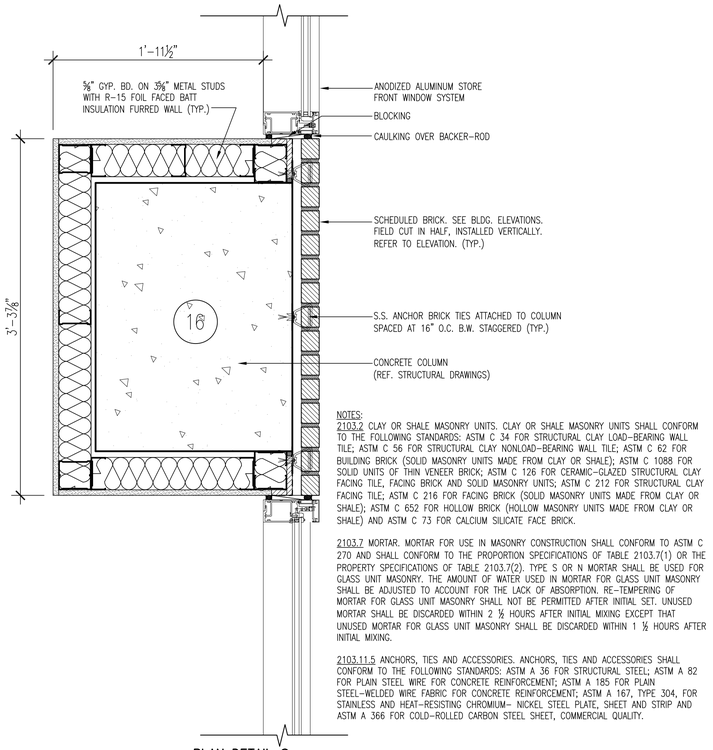
2 PLAN DETAIL @ WEST (EAST SIMILAR) EXTERIOR WALL (1st to 9th floor)
SCALE : 1 1/2" = 1'-0"



3 PLAN DETAIL @ EIFS & METAL PANEL INTERSECTION
SCALE : 6" = 1'-0"



6 PLAN DETAIL @ EIFS & METAL PANEL INTERSECTION
SCALE : 6" = 1'-0"

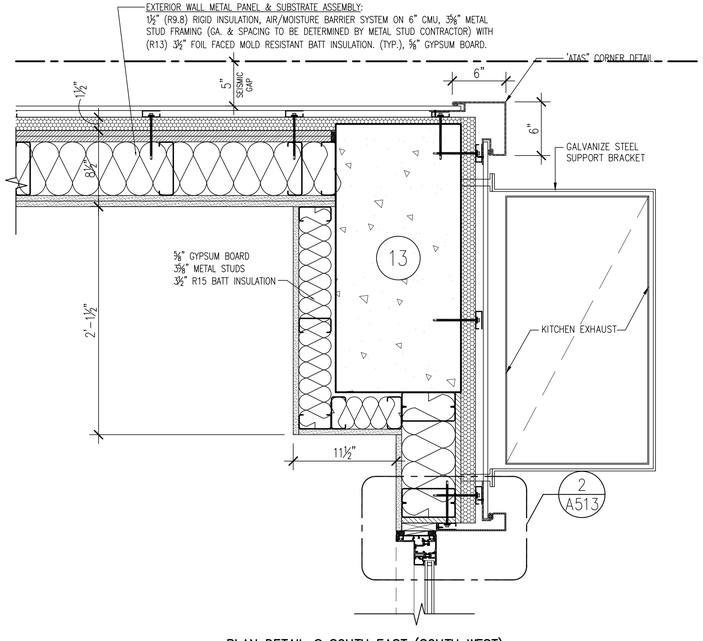


NOTES:
2103.2 CLAY OR SHALE MASONRY UNITS. CLAY OR SHALE MASONRY UNITS SHALL CONFORM TO THE FOLLOWING STANDARDS: ASTM C 34 FOR STRUCTURAL CLAY LOAD-BEARING WALL TILE; ASTM C 56 FOR STRUCTURAL CLAY NONLOAD-BEARING WALL TILE; ASTM C 62 FOR BUILDING BRICK (SOLID MASONRY UNITS MADE FROM CLAY OR SHALE); ASTM C 1088 FOR SOLID UNITS OF THIN VENEER BRICK; ASTM C 126 FOR CERAMIC-GLAZED STRUCTURAL CLAY FACING TILE, FACING BRICK AND SOLID MASONRY UNITS; ASTM C 212 FOR STRUCTURAL CLAY FACING TILE; ASTM C 216 FOR FACING BRICK (SOLID MASONRY UNITS MADE FROM CLAY OR SHALE); ASTM C 652 FOR HOLLOW BRICK (HOLLOW MASONRY UNITS MADE FROM CLAY OR SHALE) AND ASTM C 73 FOR CALCIUM SILICATE FACE BRICK.

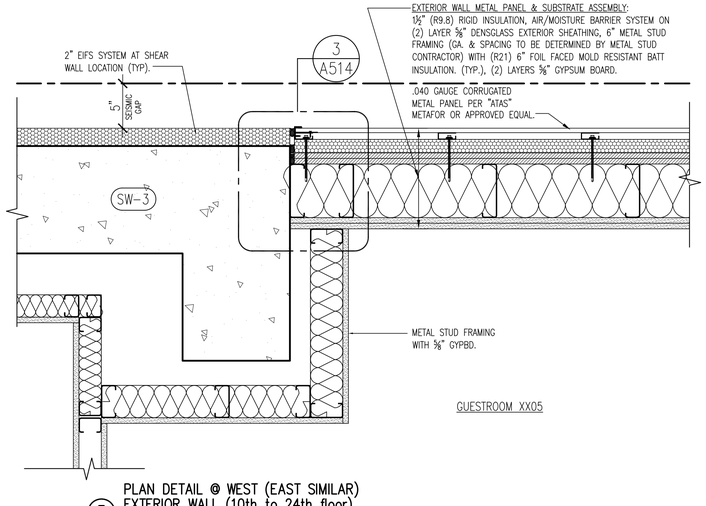
2103.7 MORTAR. MORTAR FOR USE IN MASONRY CONSTRUCTION SHALL CONFORM TO ASTM C 270 AND SHALL CONFORM TO THE PROPORTION SPECIFICATIONS OF TABLE 2103.7(1) OR THE PROPERTY SPECIFICATIONS OF TABLE 2103.7(2). TYPE S OR N MORTAR SHALL BE USED FOR GLASS UNIT MASONRY. THE AMOUNT OF WATER USED IN MORTAR FOR GLASS UNIT MASONRY SHALL BE ADJUSTED TO ACCOUNT FOR THE LACK OF ABSORPTION. RE-TEMPERING OF MORTAR FOR GLASS UNIT MASONRY SHALL NOT BE PERMITTED AFTER INITIAL SET. UNUSED MORTAR SHALL BE DISCARDED WITHIN 2 ½ HOURS AFTER INITIAL MIXING EXCEPT THAT UNUSED MORTAR FOR GLASS UNIT MASONRY SHALL BE DISCARDED WITHIN 1 ½ HOURS AFTER INITIAL MIXING.

2103.11.5 ANCHORS, TIES AND ACCESSORIES. ANCHORS, TIES AND ACCESSORIES SHALL CONFORM TO THE FOLLOWING STANDARDS: ASTM A 36 FOR STRUCTURAL STEEL; ASTM A 82 FOR PLAIN STEEL WIRE FOR CONCRETE REINFORCEMENT; ASTM A 185 FOR PLAIN STEEL-WELDED WIRE FABRIC FOR CONCRETE REINFORCEMENT; ASTM A 167, TYPE 304, FOR STAINLESS AND HEAT-RESISTING CHROMIUM- NICKEL STEEL PLATE, SHEET AND STRIP AND ASTM A 366 FOR COLD-ROLLED CARBON STEEL SHEET, COMMERCIAL QUALITY.

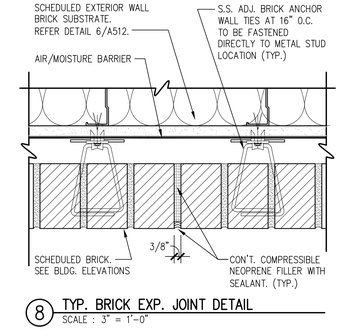
7 PLAN DETAIL @ 1ST FLR. CONCRETE COLUMN
SCALE : 6" = 1'-0"



4 PLAN DETAIL @ SOUTH EAST (SOUTH WEST) CORNER EXTERIOR WALL (10th to 24th floor)
SCALE : 1 1/2" = 1'-0"



5 PLAN DETAIL @ WEST (EAST SIMILAR) EXTERIOR WALL (10th to 24th floor)
SCALE : 1 1/2" = 1'-0"



8 TYP. BRICK EXP. JOINT DETAIL
SCALE : 3" = 1'-0"

BLOCK: 759 LOT: 55

6/15/2015 21073-TITLE-SDX12.DWG Plotted: 10/8/2014 by eric | 21362-TB-2AXO6 .DOB | 21362_8-9TH FLOOR PLAN | 21362_SHEARWALLS 8-15 | 21362_SHEARWALLS 1

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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Seal

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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

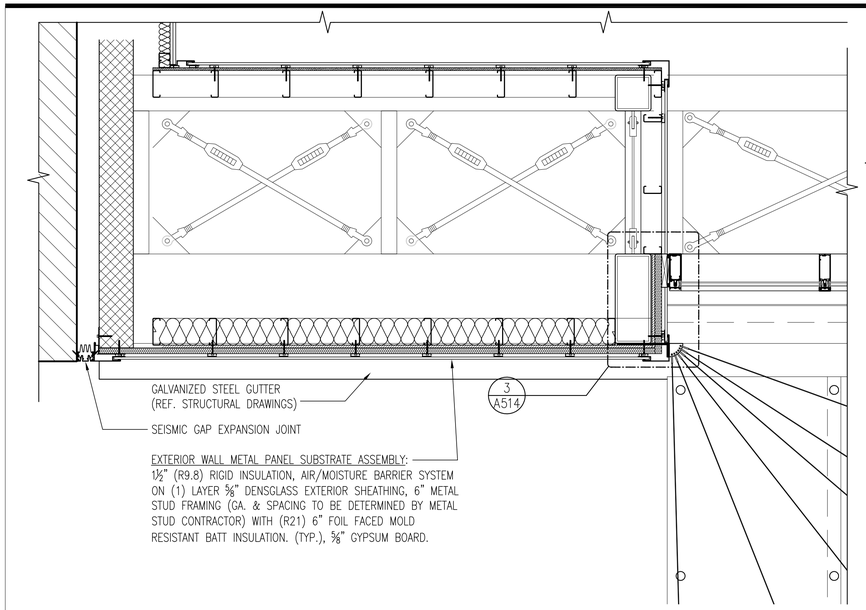
EXTERIOR WALL PLAN DETAILS

Drawing Number ## of

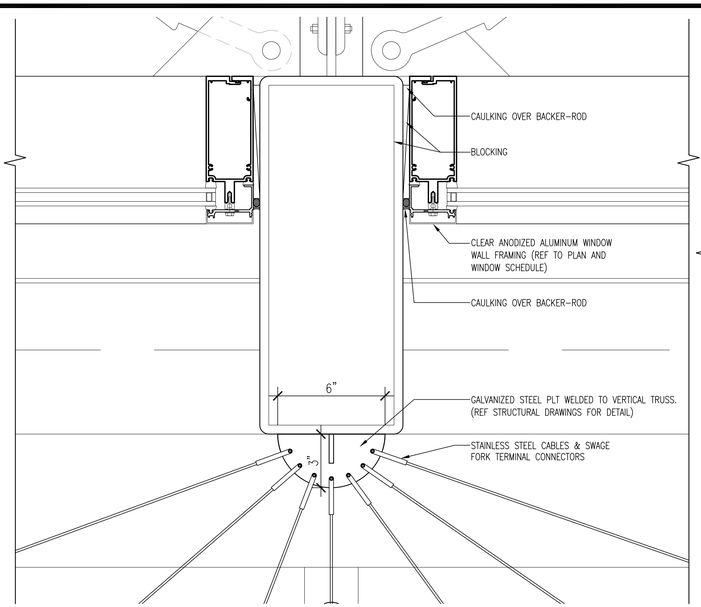
A-514.00

DOB B-Scan

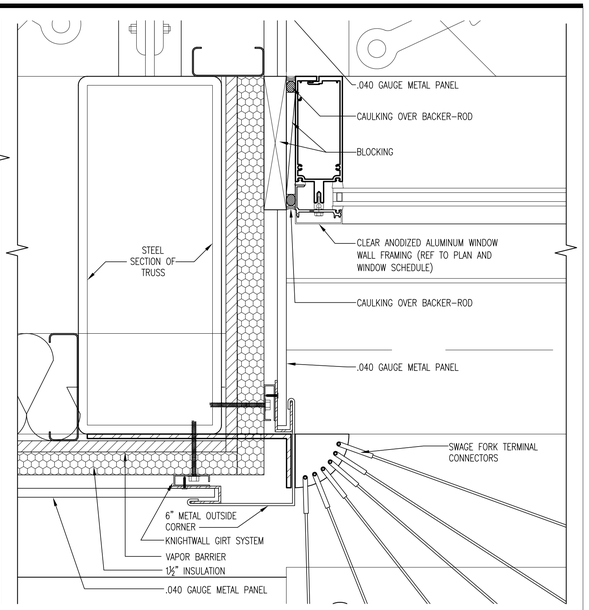
21362



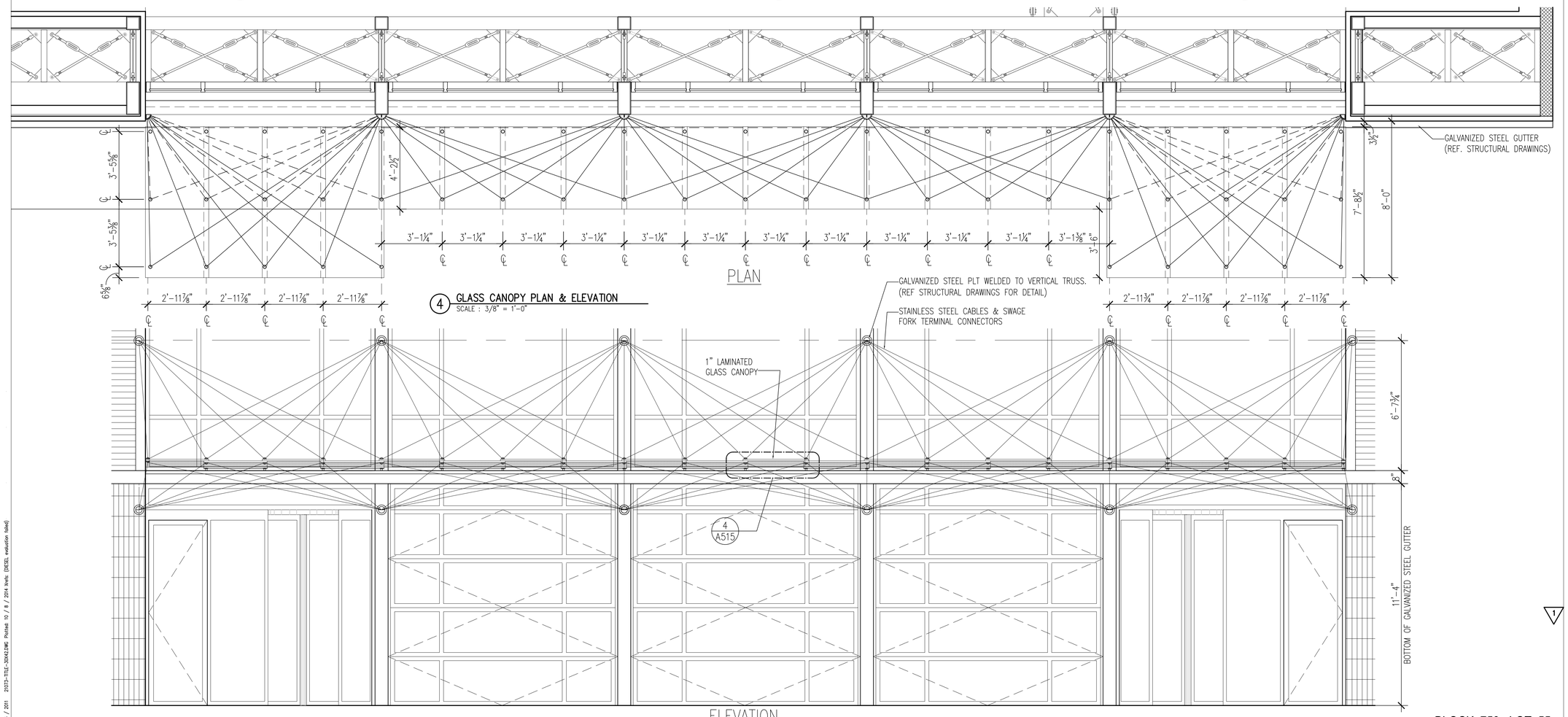
1 PLAN DETAIL AT STREETWALL CORNER
SCALE : 3/4" = 1'-0"



3 PLAN DETAIL @TRUSS/CURTAINWALL CONNECTION
SCALE : 3" = 1'-0"



3 PLAN DETAIL AT WINDOW WALL CORNER
SCALE : 3" = 1'-0"



4 GLASS CANOPY PLAN & ELEVATION
SCALE : 3/8" = 1'-0"

BLOCK: 759 LOT: 55

6 / 13 / 2014 2073-TILE-30442.DWG Plotted: 10 / 8 / 2014 by eb. (DESIGN evaluation false)

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
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08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

CANOPY PLAN, ELEVATIONS & DETAILS

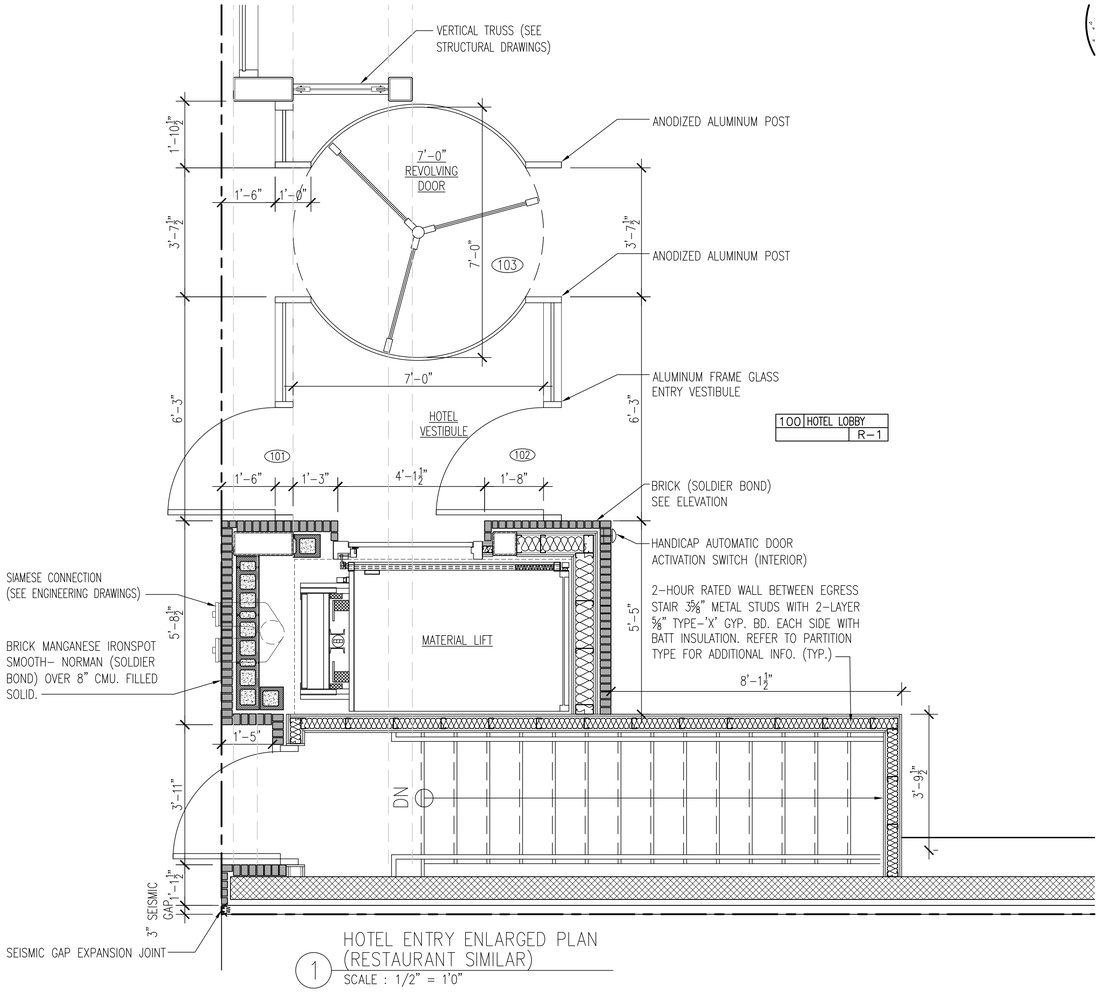
Drawing Number ## of

A-515.00

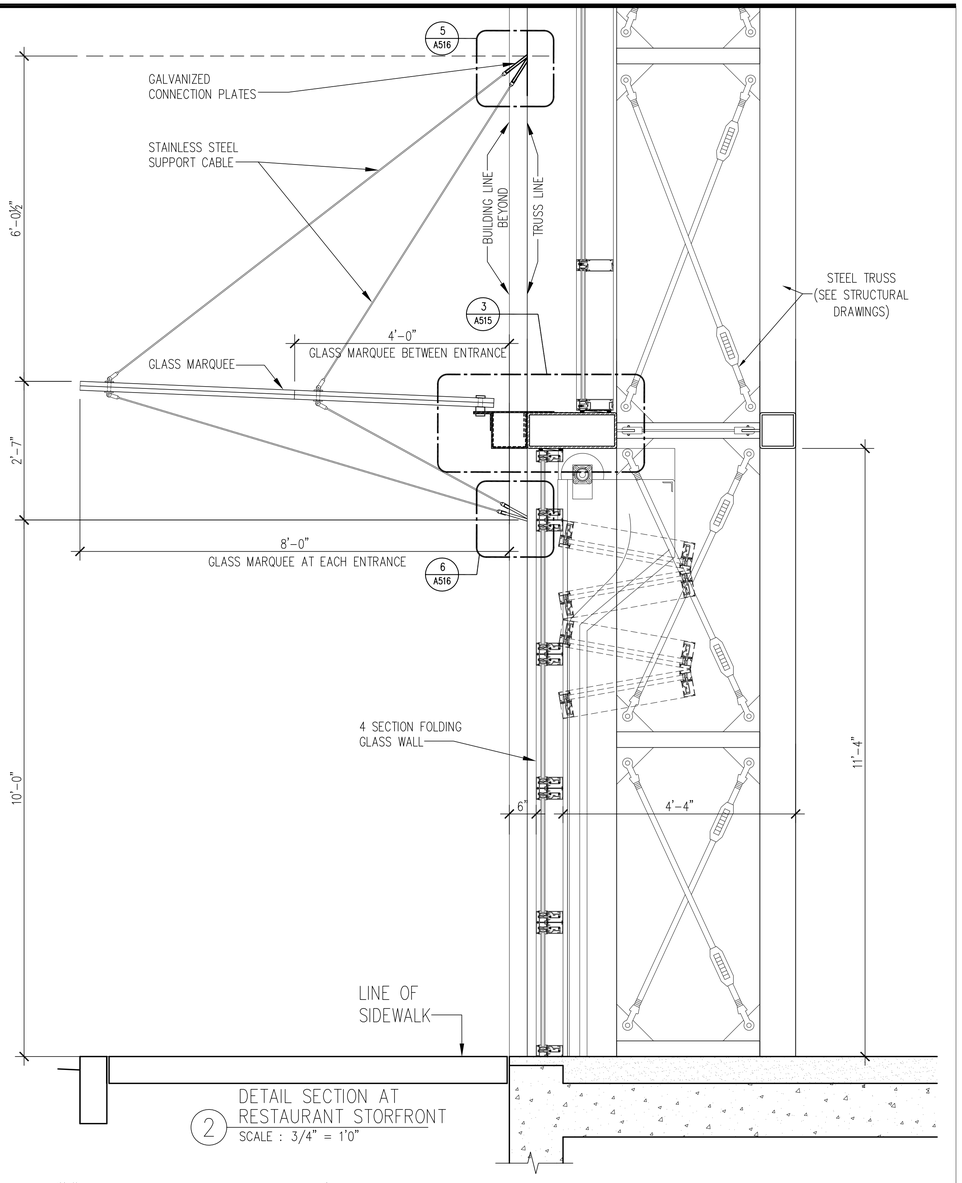
1

DOB B-Scan

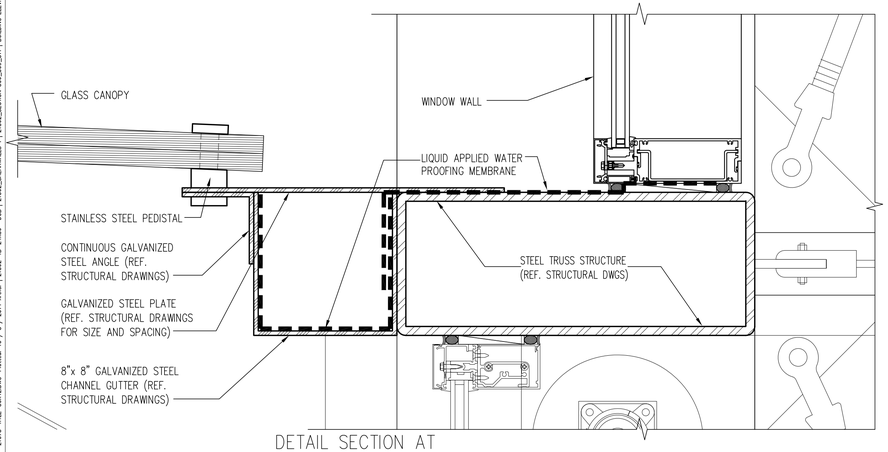
21362



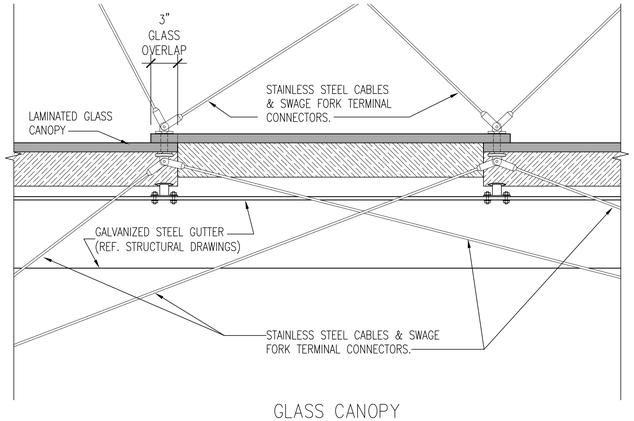
1 HOTEL ENTRY ENLARGED PLAN (RESTAURANT SIMILAR)
SCALE : 1/2" = 1'0"



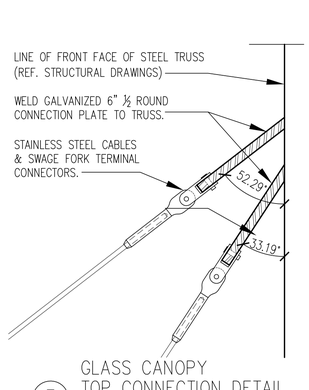
2 DETAIL SECTION AT RESTAURANT STORFRONT
SCALE : 3/4" = 1'0"



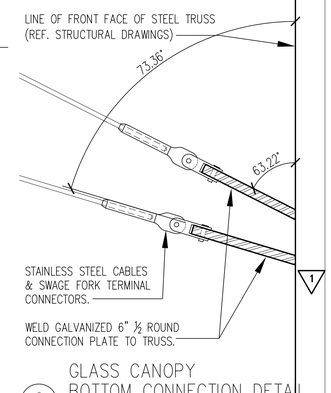
3 DETAIL SECTION AT CANOPY SUPPORT
SCALE : 3" = 1'-0"



4 GLASS CANOPY CONNECTION DETAIL
SCALE : 1" = 1'-0"



5 GLASS CANOPY TOP CONNECTION DETAIL
SCALE : 3" = 1'-0"



6 GLASS CANOPY BOTTOM CONNECTION DETAIL
SCALE : 3" = 1'-0"

BLOCK: 759 LOT: 55

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
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06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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AC 320 HOTEL PARTNERS LLC
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STONEHILL & TAYLOR
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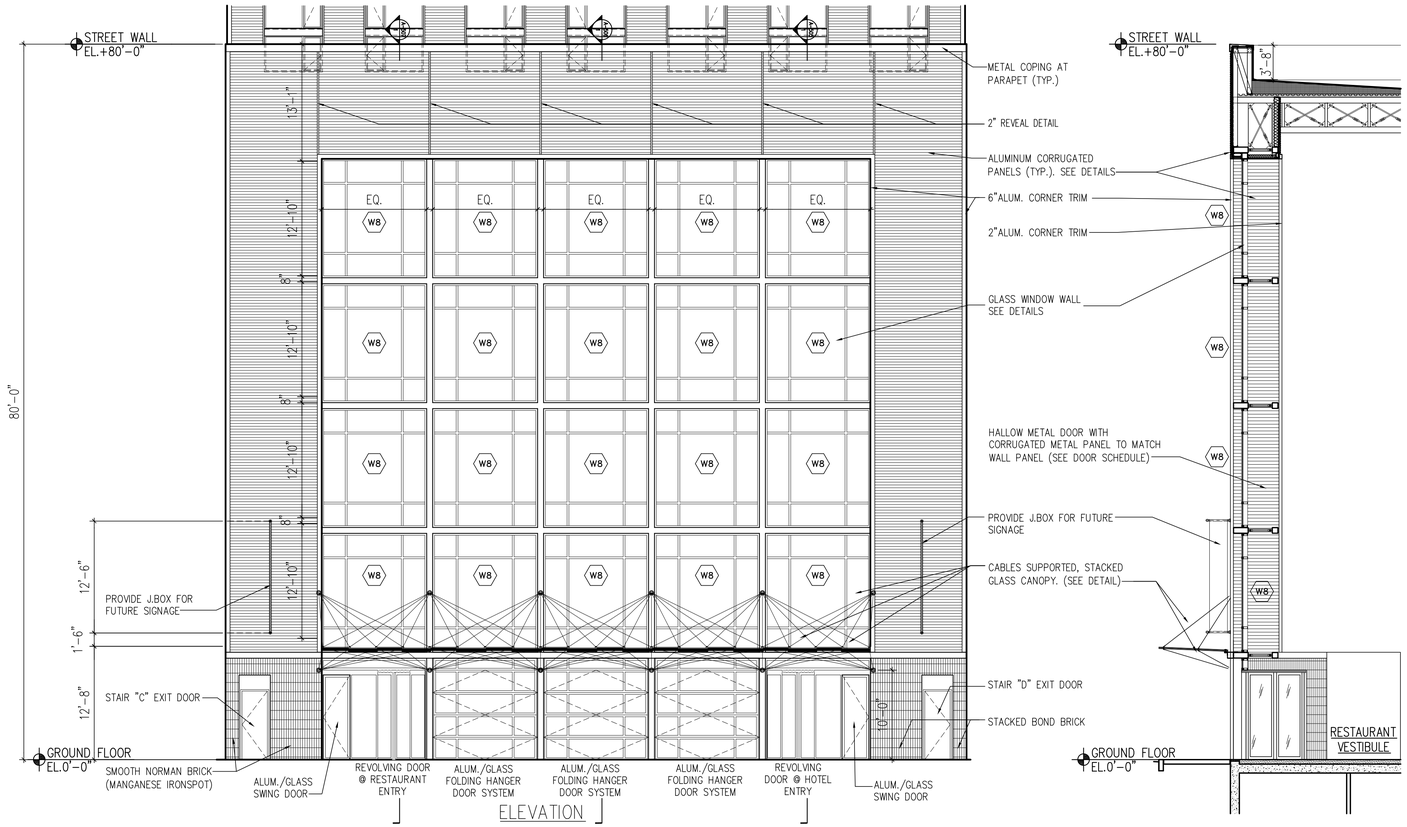
HOTEL ENTRY PLAN & SECTION (RESTAURANT SIM.) / ENLARGED CANOPY DETAILS

Drawing Number ## of

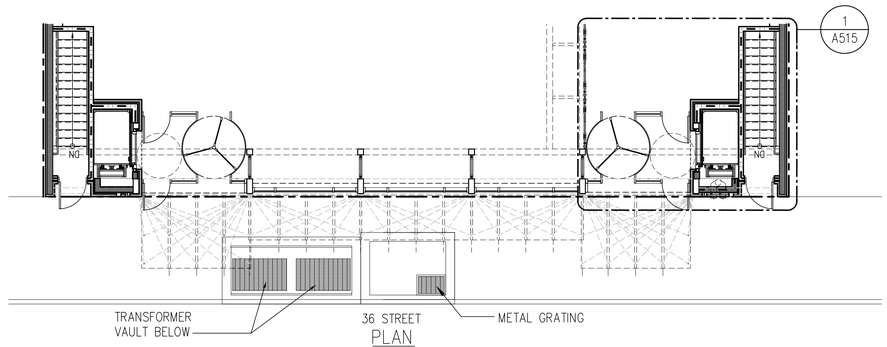
A-516.00

DOB B-Scan

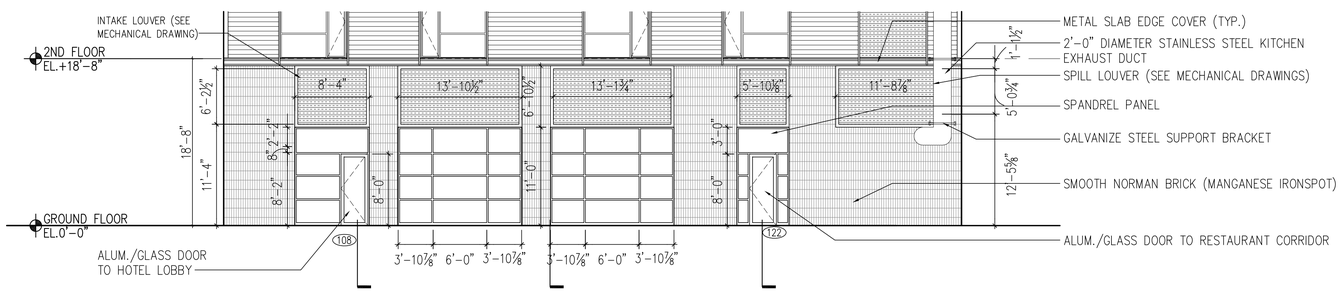
21362



3 NORTH SECTION (ENLARGED)
SCALE : 1/8" = 1'-0"



1 NORTH STREET ELEVATION WALL & PLAN
SCALE : 1/8" = 1'-0"



2 SOUTH ELEVATION (ENLARGED)
SCALE : 1/8" = 1'-0"

BLOCK: 759 LOT: 55

6/13/2011 21073-TITLE-DONALDMC Plotted: 10/8/2014 Wed& (DIESEL evaluation Used)

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
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09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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Seal

Project

AC 320 HOTEL PARTNERS LLC
NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

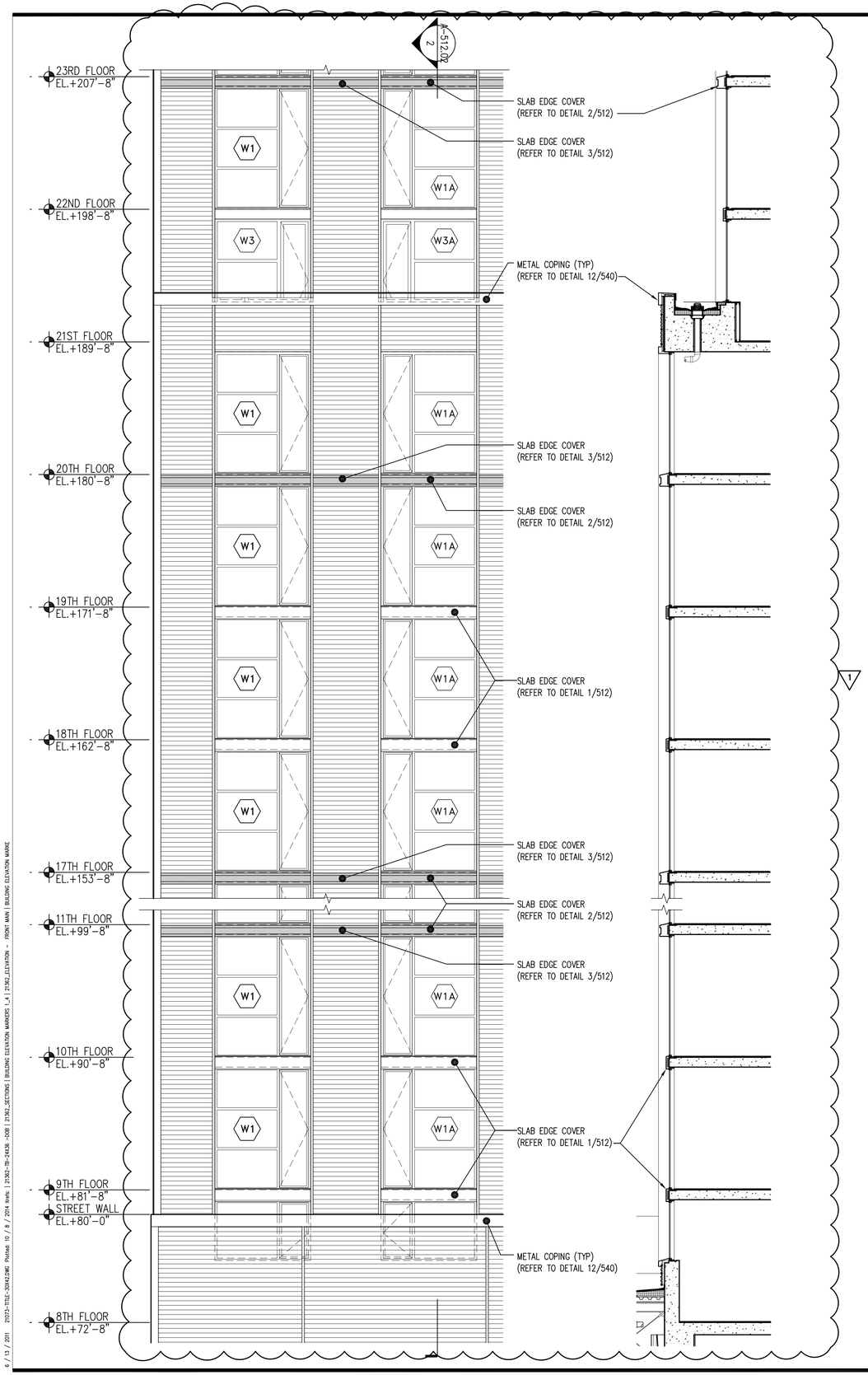
STREET WALL ANALYSIS

Drawing Number ## of

A-520.00

DOB B-Scan

21362



BLOCK: 759 LOT: 55

6/13/2011 21073-TITLE-ZONING.DWG Plotted: 10/8/2014 Xrefs: 21362-TB-2ADB -DOB | 21362_SECTIONS | BUILDING ELEVATION MARKERS 1_4 | 21362_ELEVATION - FRONT MAIN | BUILDING ELEVATION MARKE

Issue Record

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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

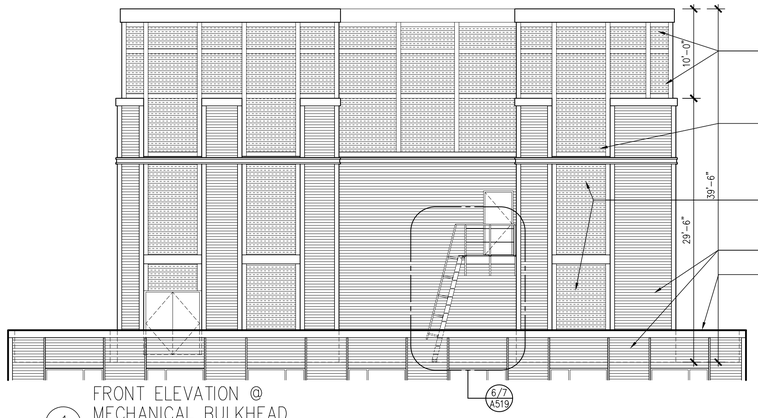
ELEVATIONS DETAILS

Drawing Number ## of

A-521.00

DOB B-Scan

21362



LOUVER WITH BLANK-OUT PANEL SHALL HAVE A MINIMUM R-21 RIGID INSULATION (SEE MECHANICAL DRAWING FOR DUCT OPENING)

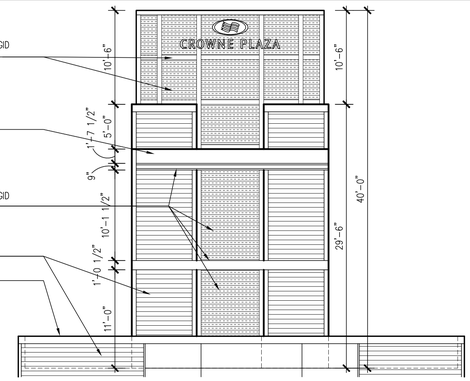
METAL SLAB EDGE COVER SEE DETAIL 2/A512

LOUVER WITH BLANK-OUT PANEL SHALL HAVE A MINIMUM R-21 RIGID INSULATION (SEE MECHANICAL DRAWING FOR DUCT OPENING)

ALUM. CORRUGATED PANELS (TYP.)

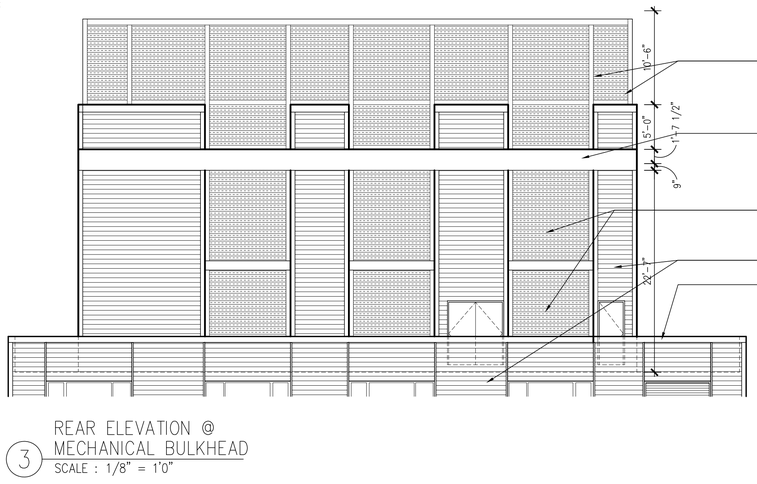
METAL COPING AT PARAPET (TYP.)

1 FRONT ELEVATION @ MECHANICAL BULKHEAD
SCALE : 1/8" = 1'0"



2 EAST ELEVATION @ MECHANICAL BULKHEAD
SCALE : 1/8" = 1'0"

OF



STEEL FRAME, METAL LOUVERED PANELS

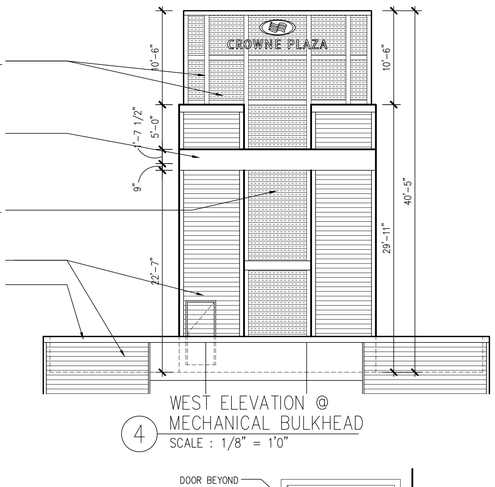
METAL SLAB EDGE COVER SEE DETAIL 2/A512

STEEL FRAME, METAL LOUVERED PANELS

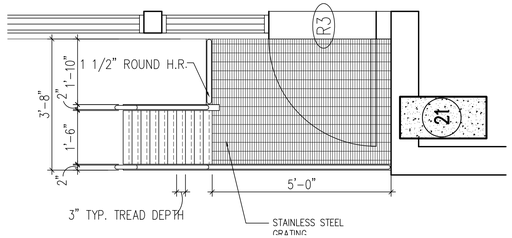
ALUM. CORRUGATED PANELS (TYP.)

METAL COPING AT PARAPET (TYP.)

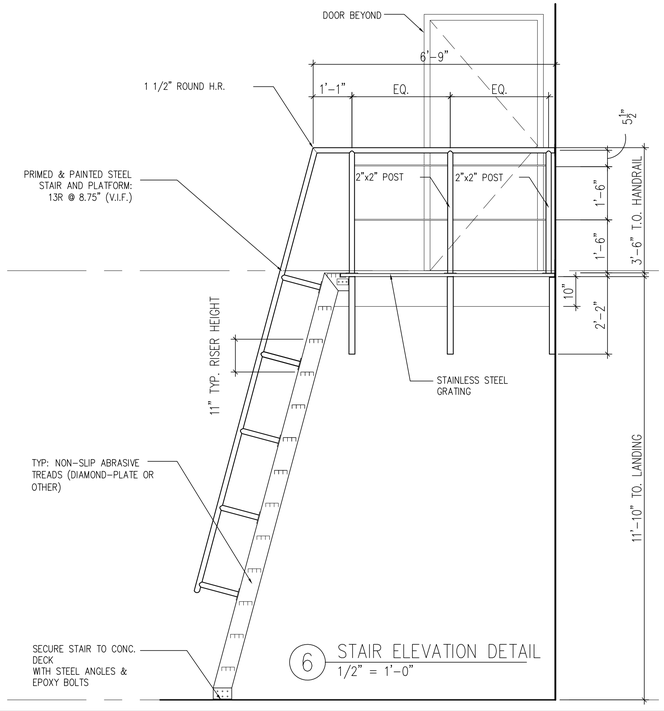
3 REAR ELEVATION @ MECHANICAL BULKHEAD
SCALE : 1/8" = 1'0"



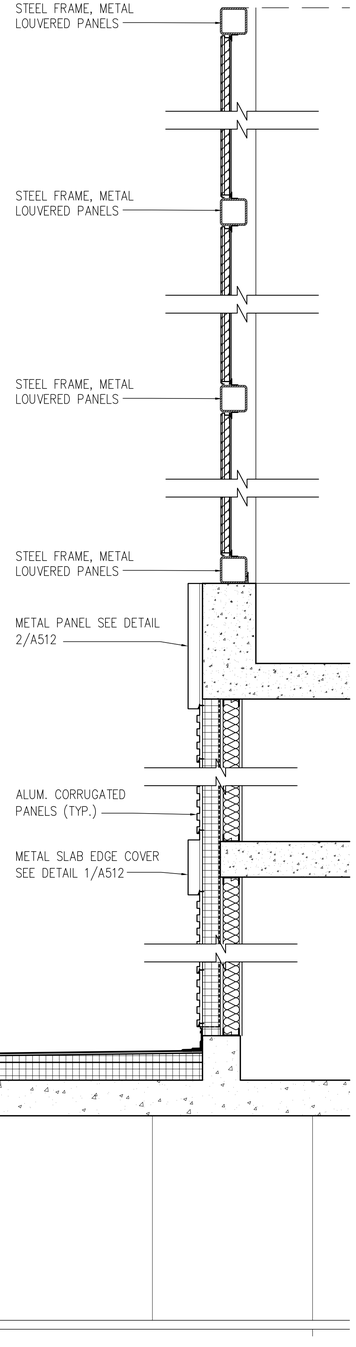
4 WEST ELEVATION @ MECHANICAL BULKHEAD
SCALE : 1/8" = 1'0"



5 STAIR PLAN DETAIL
SCALE : 1/2" = 1'0"



6 STAIR ELEVATION DETAIL
1/2" = 1'-0"



7 PARTIAL SECTION @ MECHANICAL BULKHEAD
SCALE : 3/4" = 1'0"

BLOCK: 759 LOT: 55

6/13/2011 21073-TYEE-SDRAILDWG Plotted: 10/8/2014 Kreb (DESEL evaluation toed)

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

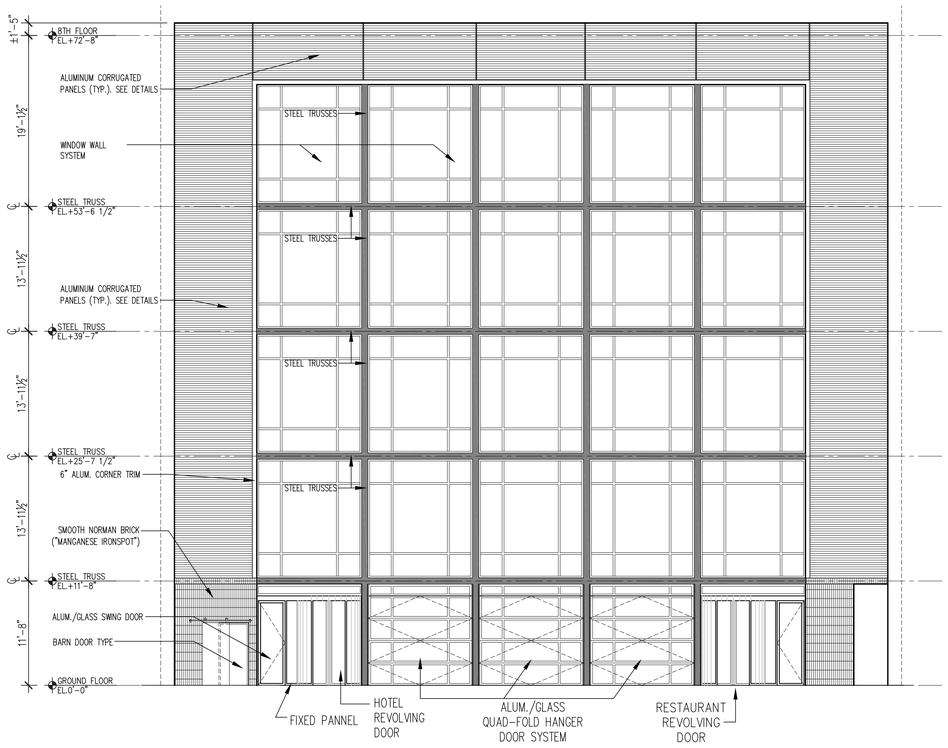
ENLARGED ELEVATIONS

Drawing Number ## of

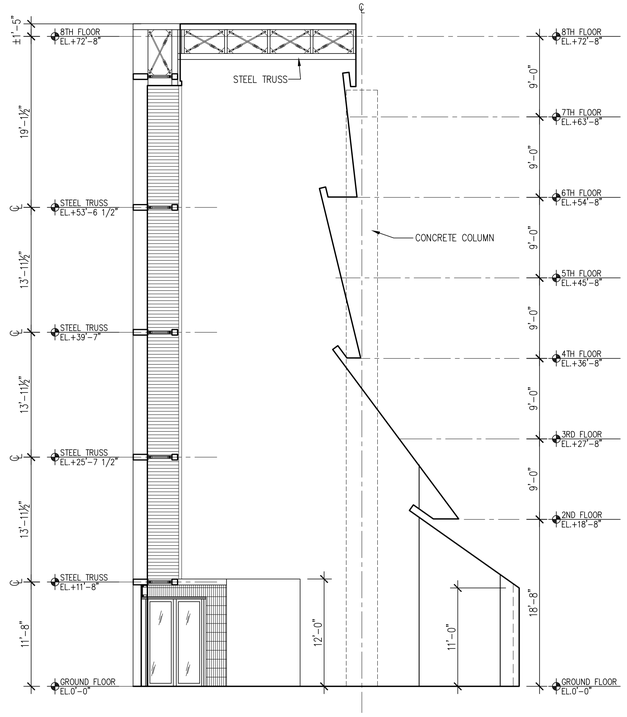
A-522.00

DOB B-Scan

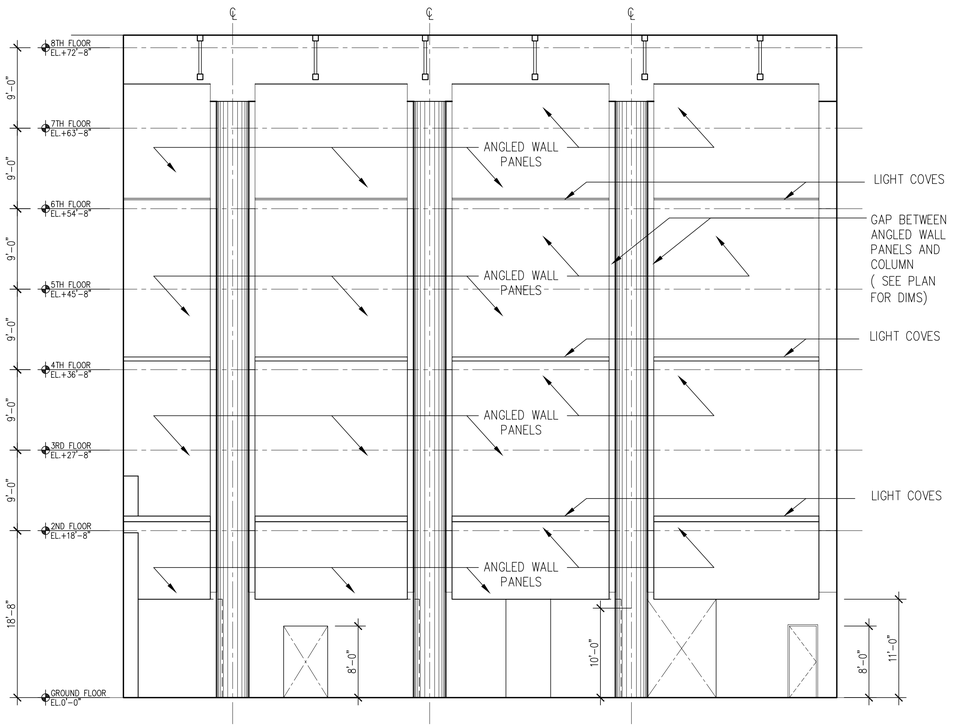
21362



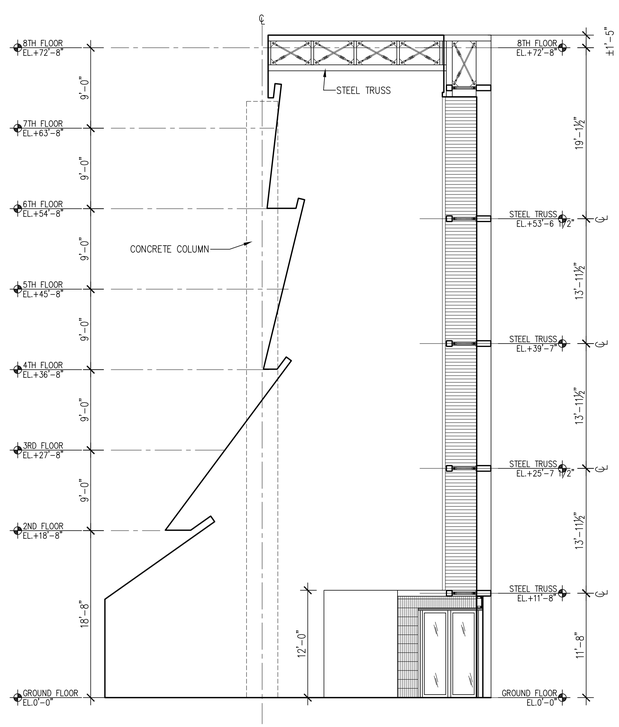
1 INTERIOR ELEVATION – NORTH ELEVATION
SCALE : 1/8" = 1'-0"



2 INTERIOR ELEVATION – EAST ELEVATION
SCALE : 1/8" = 1'-0"



3 INTERIOR ELEVATION – SOUTH ELEVATION
SCALE : 1/8" = 1'-0"



4 INTERIOR ELEVATION – WEST ELEVATION
SCALE : 1/8" = 1'-0"

BLOCK: 759 LOT: 55

6 / 13 / 2011 20073-TITLE-32X42.DWG Plotted: 10 / 8 / 2014 Wed: I:\2362-RB-2A\06 -DOB\ 21362_INTERIOR ELEVATIONS-01

Issue Record

02.28.2014	D.O.B. SUBMISSION
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ARCHITECTS AND PLANNERS

INTERIOR ELEVATIONS

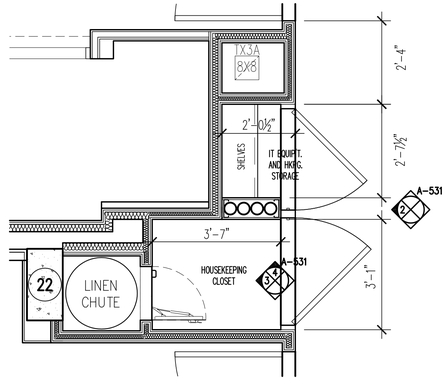
Drawing Number ## of

1

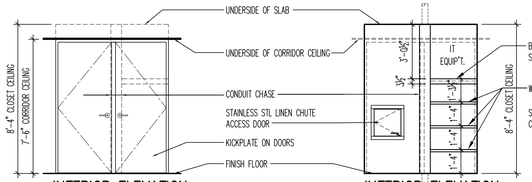
A-530.00

DOB B-Scan

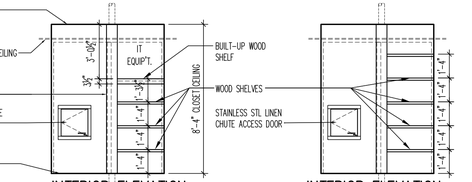
21362



1 ENLARGED FLOOR PLAN – HOUSEKEEPING CLOSET
SCALE : 1/2" = 1'-0"

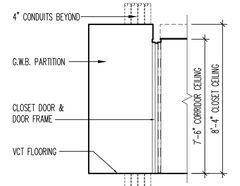


2 INTERIOR ELEVATION HOUSEKEEPING CLOSET CORRIDOR SIDE
SCALE : 1/4" = 1'-0"

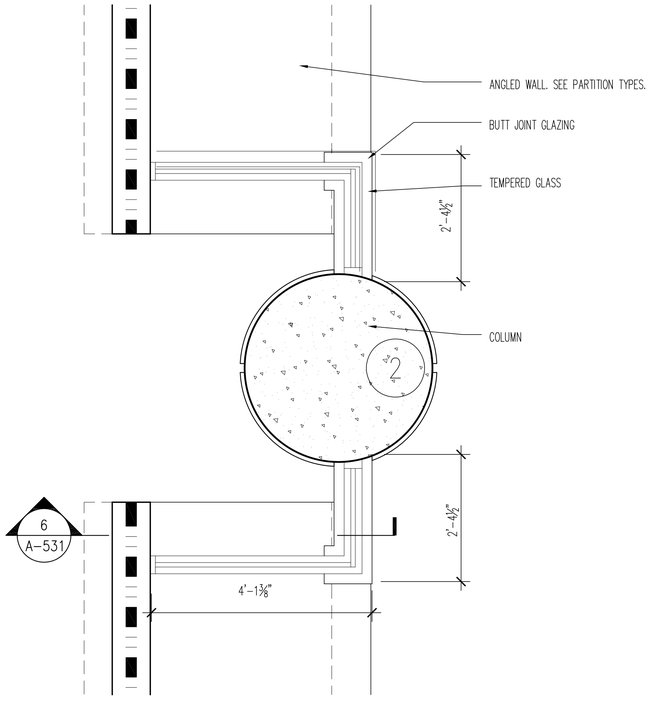


3A INTERIOR ELEVATION HOUSEKEEPING CLOSET @ IT CLOSET FLOORS
SCALE : 1/4" = 1'-0"

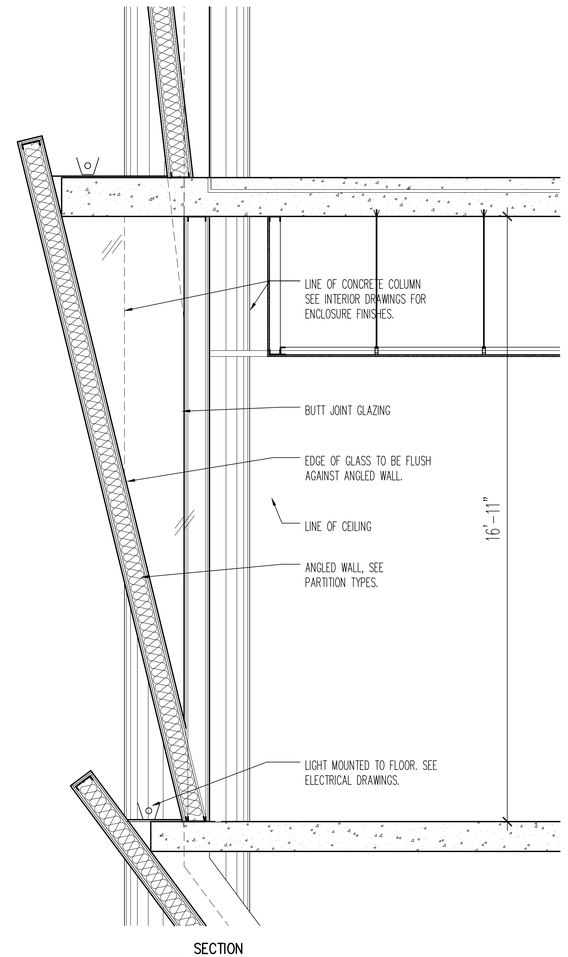
3B INTERIOR ELEVATION HOUSEKEEPING CLOSET STANDARD
SCALE : 1/4" = 1'-0"



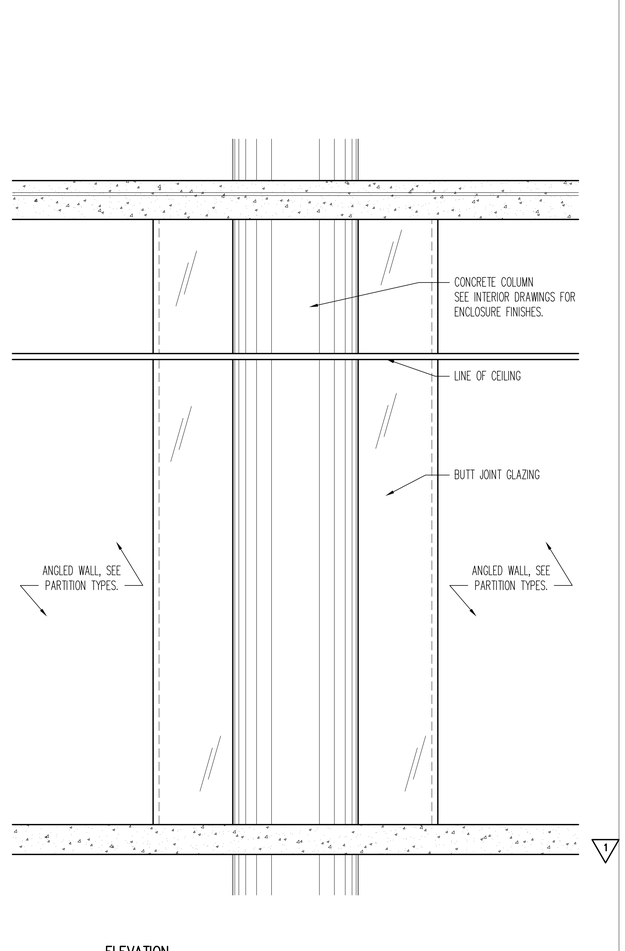
4 INTERIOR ELEVATION HOUSEKEEPING CLOSET
SCALE : 1/4" = 1'-0"



5 ENLARGED PLAN – AT CONCRETE COLUMNS
SCALE : 3/4" = 1'-0"



6 SECTION AT CONCRETE COLUMNS
SCALE : 1/2" = 1'-0"



7 ELEVATION AT CONCRETE COLUMNS
SCALE : 1/2" = 1'-0"

BLOCK: 759 LOT: 55

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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

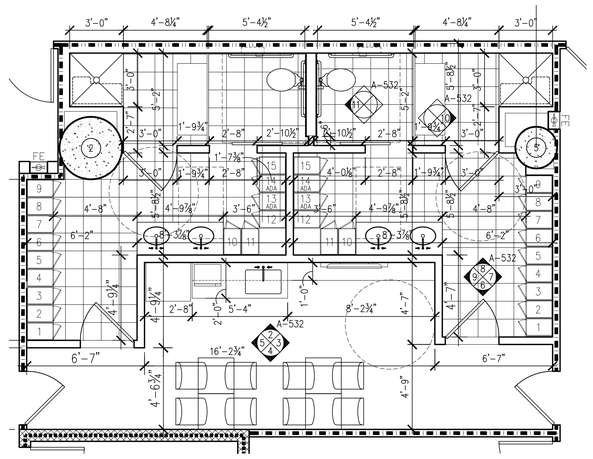
INTERIOR ELEVATIONS - AND DETAILS

Drawing Number ## of

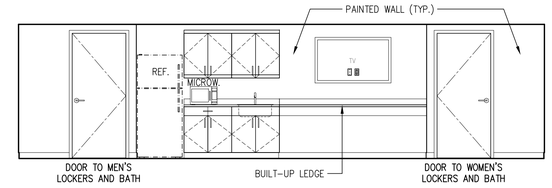
A-531.00

DOB B-Scan

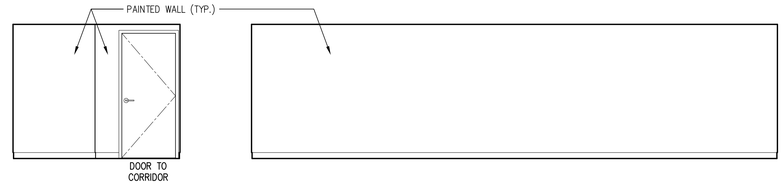
21362



1 ENLARGED FLOOR PLAN – BREAK ROOM / LOCKER ROOM, MEN'S & WOMEN'S BATHROOMS
SCALE : 1/4" = 1'-0"

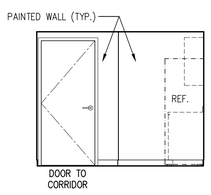


2 INTERIOR ELEVATION – BREAK ROOM / LOCKER ROOM
SCALE : 1/4" = 1'-0"

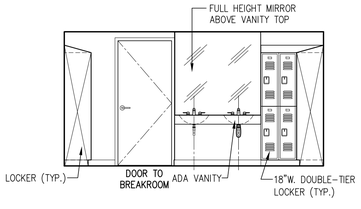


3 INTERIOR ELEVATION – LOCKER ROOM
SCALE : 1/4" = 1'-0"

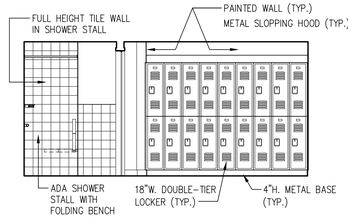
4 INTERIOR ELEVATION – LOCKER ROOM
SCALE : 1/4" = 1'-0"



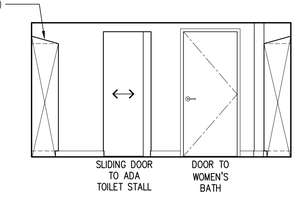
5 INTERIOR ELEVATION – BREAK ROOM / LOCKER ROOM
SCALE : 1/4" = 1'-0"



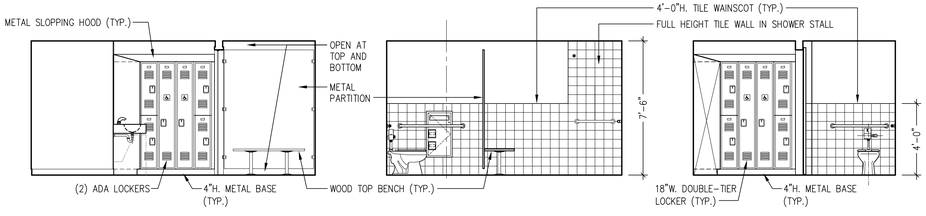
6 INTERIOR ELEVATION – BREAK ROOM
SCALE : 1/4" = 1'-0"



7 INTERIOR ELEVATION – BREAK ROOM
SCALE : 1/4" = 1'-0"



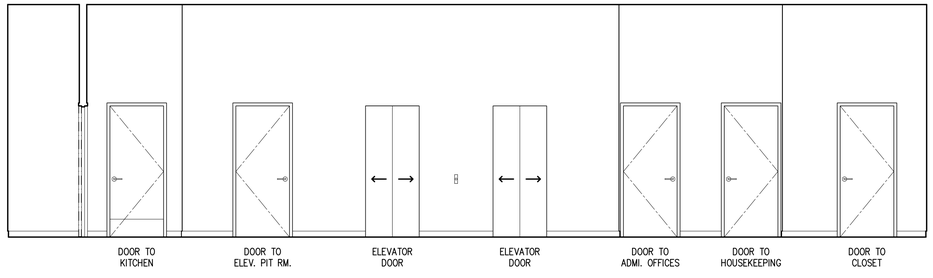
8 INTERIOR ELEVATION – BREAK ROOM
SCALE : 1/4" = 1'-0"



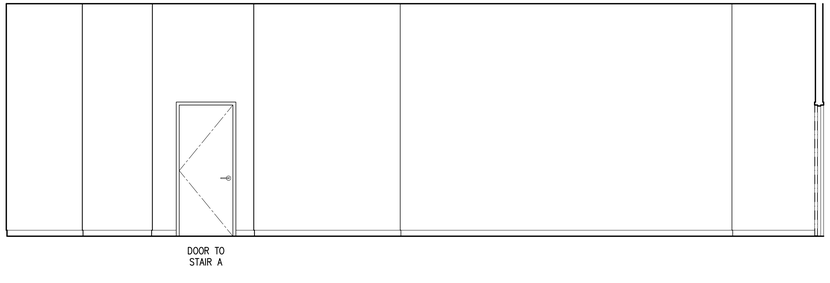
9 INTERIOR ELEVATION – BREAK ROOM
SCALE : 1/4" = 1'-0"

10 INTERIOR ELEVATION – BREAK ROOM
SCALE : 1/4" = 1'-0"

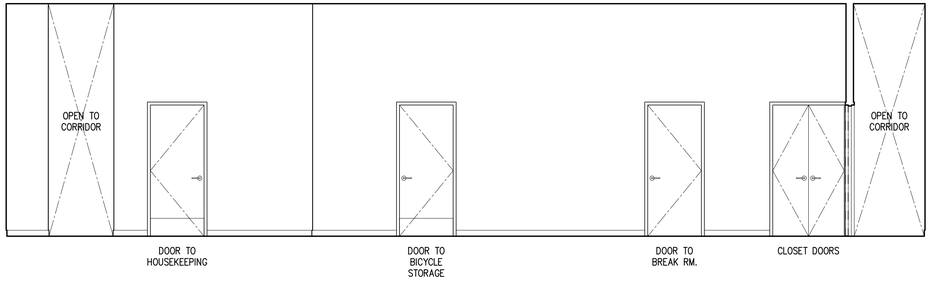
11 INTERIOR ELEVATION – BREAK ROOM
SCALE : 1/4" = 1'-0"



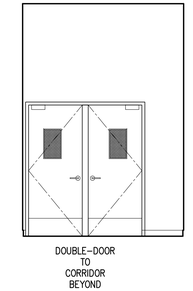
12 INTERIOR ELEVATION – CELLAR CORRIDOR
SCALE : 1/4" = 1'-0"



13 INTERIOR ELEVATION – CELLAR CORRIDOR
SCALE : 1/4" = 1'-0"



14 INTERIOR ELEVATION – CELLAR CORRIDOR
SCALE : 1/4" = 1'-0"



15 INTERIOR ELEVATION – CELLAR CORRIDOR
SCALE : 1/4" = 1'-0"

1

6/15/2011 21073-TITLE-SHEET.DWG Plotted: 10/8/2014 by=tc | 21362-TB-2A426 .DGB | 21362_INTERIOR ELEVATIONS-00 | 21362_D CELLAR FLOOR PLAN | 21362_3REARWALLS 0 C

Issue Record

02.28.2014	D.O.B. SUBMISSION
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INTERIOR ELEVATIONS - CELLAR

Drawing Number ## of

A-532.00

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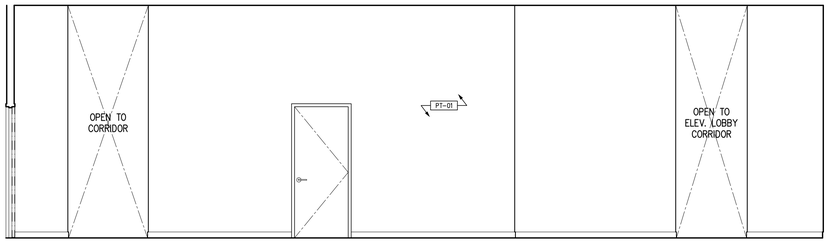
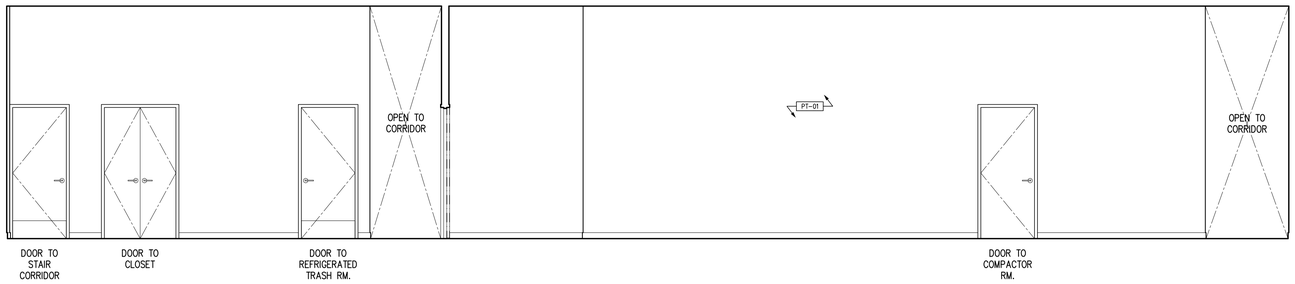


16 INTERIOR ELEVATION – CELLAR CORRIDOR
SCALE : 1/4" = 1'-0"



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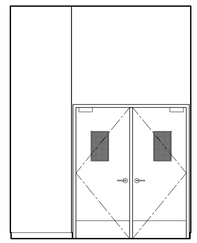
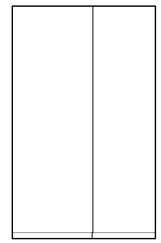
SCALE : 1/4" = 1'-0"



18 INTERIOR ELEVATION – CELLAR CORRIDOR
SCALE : 1/4" = 1'-0"



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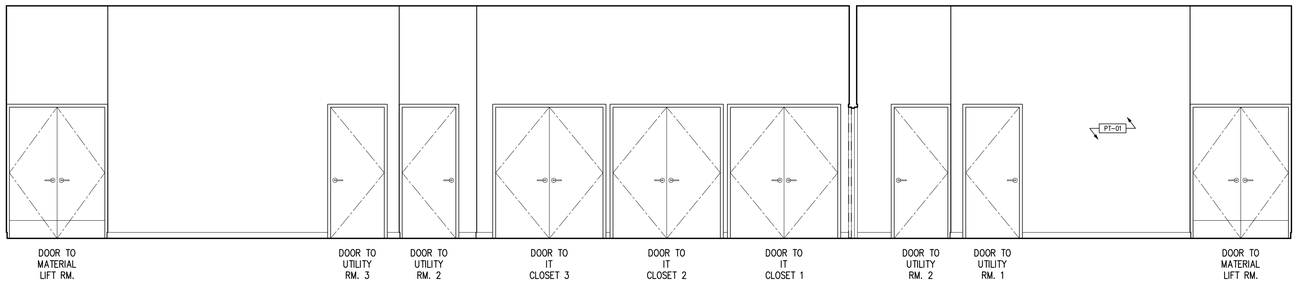
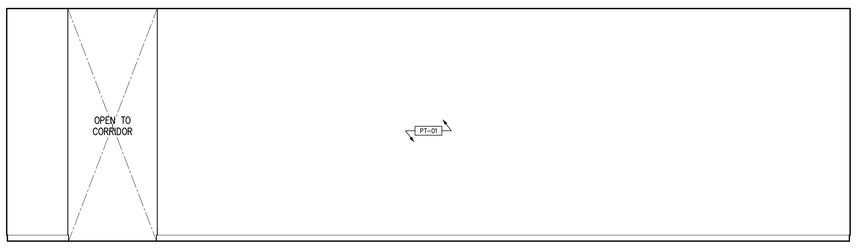
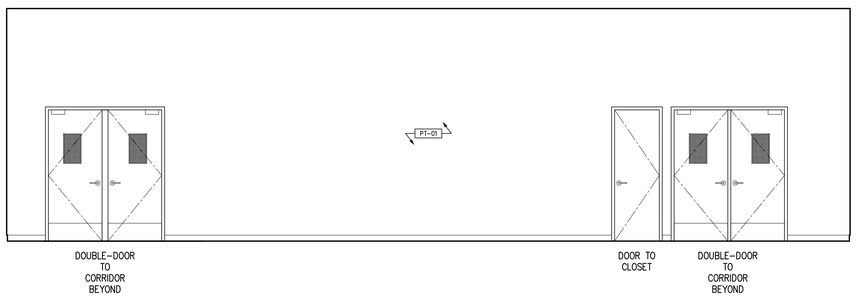
SCALE : 1/4" = 1'-0"



20 INTERIOR ELEVATION – CELLAR CORRIDOR
SCALE : 1/4" = 1'-0"



21 INTERIOR ELEVATION – CELLAR CORRIDOR
SCALE : 1/4" = 1'-0"



22 INTERIOR ELEVATION – CELLAR CORRIDOR
SCALE : 1/4" = 1'-0"

6 / 13 / 2011 21073-TITLE-ZONING.dwg Plotted 10 / 8 / 2014 Kiehl [21362-RB-2AUG8 -V08 | 21362_INTERIOR ELEVATIONS-00 | 21362_0 CELLAR FLOOR PLAN [21362_SHEARWALLS 0 C

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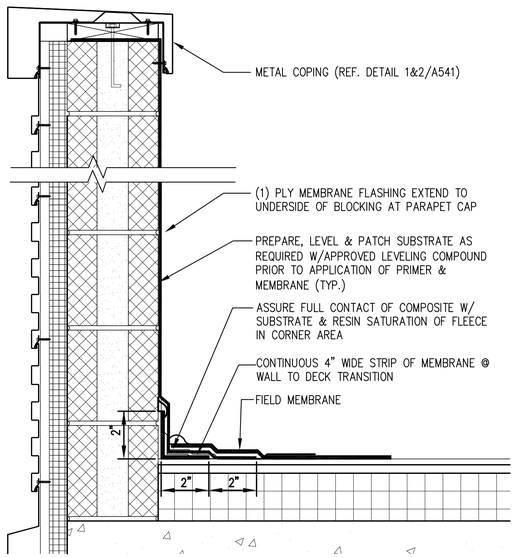
INTERIOR ELEVATIONS - CELLAR

Drawing Number ## of

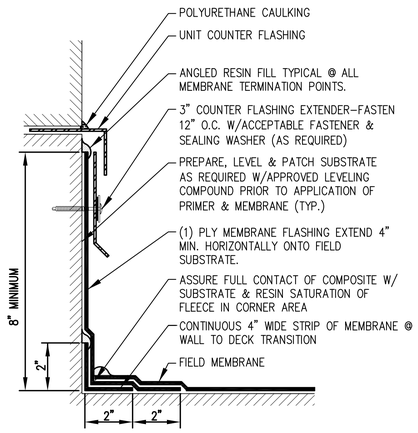
A-533.00

DOB B-Scan

21362



1 ROOF BASE DETAIL AT PARAPET
SCALE : N.T.S.



2 ROOF BASE DETAIL AT BULKHEAD
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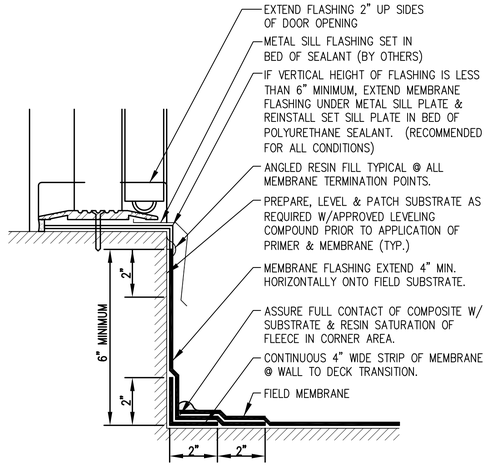

3 DOOR SILL FLASHING
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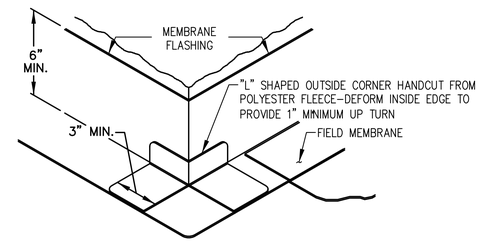

4 FIELD FABRICATED OUTSIDE CORNER FLASHING
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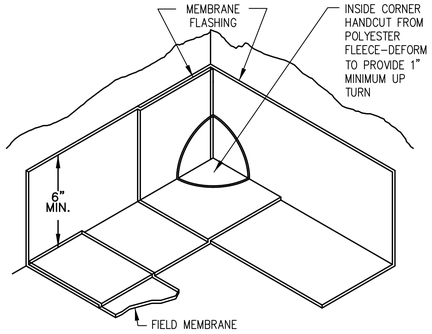

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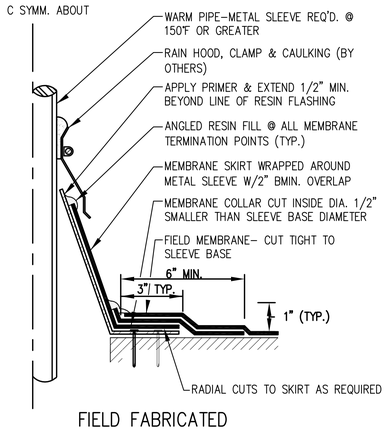
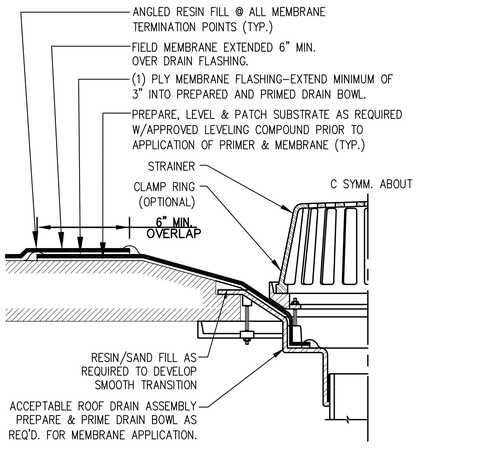
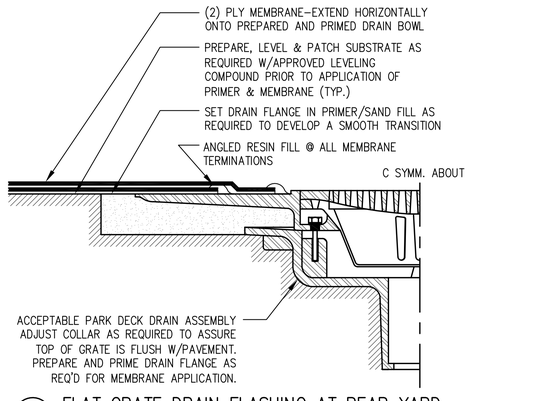


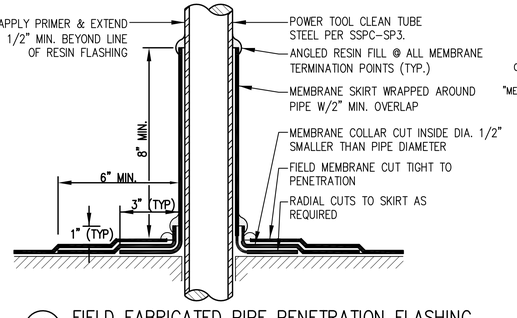
FIELD FABRICATED
WARM PIPE PENETRATION FLASHING
SCALE : N.T.S.



7 ROOF DRAIN FLASHING
SCALE : N.T.S.



8 FLAT GRATE DRAIN FLASHING AT REAR YARD
SCALE : N.T.S.



9 FIELD FABRICATED PIPE PENETRATION FLASHING
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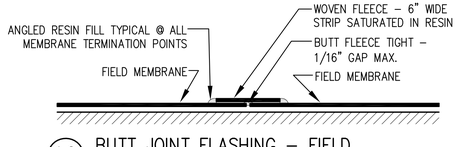

10 BUTT JOINT FLASHING – FIELD
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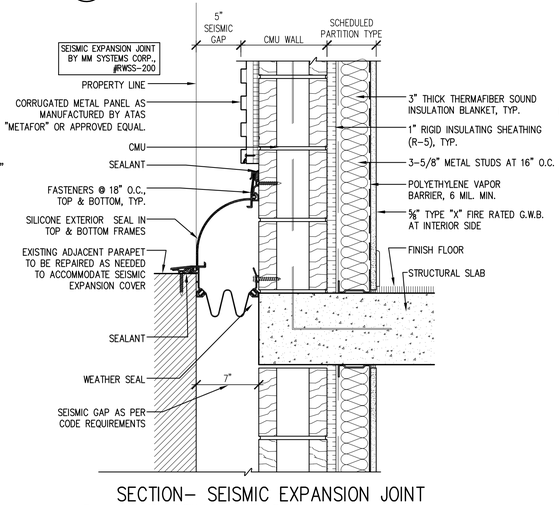
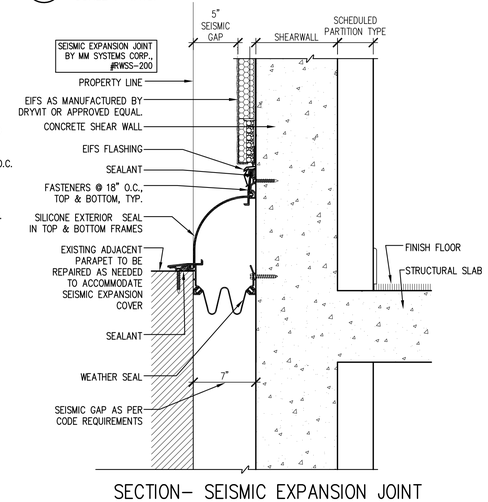
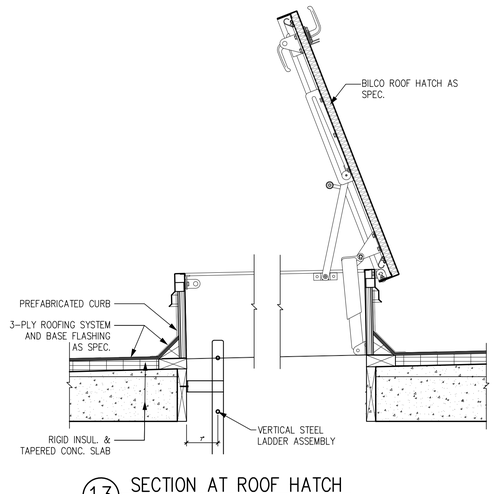


SECTION– SEISMIC EXPANSION JOINT AT EXISTING PARAPET
SCALE : 3"=1'–0"



SECTION– SEISMIC EXPANSION JOINT AT EXISTING PARAPET
SCALE : 3"=1'–0"



13 SECTION AT ROOF HATCH
SCALE : 3/4" = 1'0"

BLOCK: 759 LOT: 55

6/13/2011 21075-TITLE-30X42.DWG Plotted: 10/8/2014 by:eli [21362-TB-24X36 -008] TRUSS SECTION 1 [21362_SECTION 008A_241

Issue Record

02.28.2014	D.O.B. SUBMISSION
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10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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ROOF DETAILS

Drawing Number ## of

A-540.00 V1

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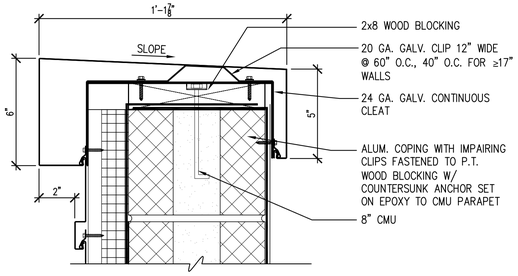
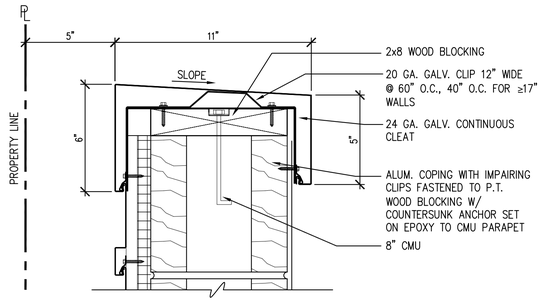
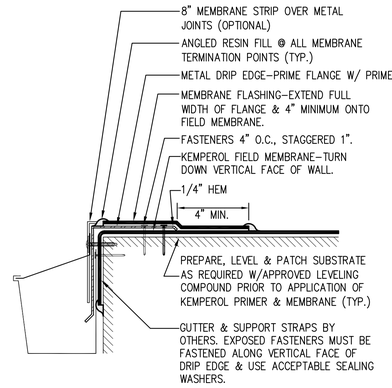
21362



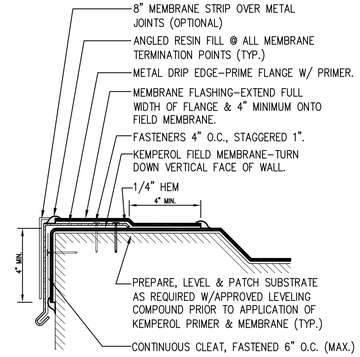
1 METAL COPING DETAIL
SCALE : 3"=1'-0"



2 METAL COPING DETAIL AT PROPERTY LINE
SCALE : 3"=1'-0"



3 GUTTER EDGE FLASHING
SCALE : N.T.S.



4 RAISED DRIP EDGE FLASHING
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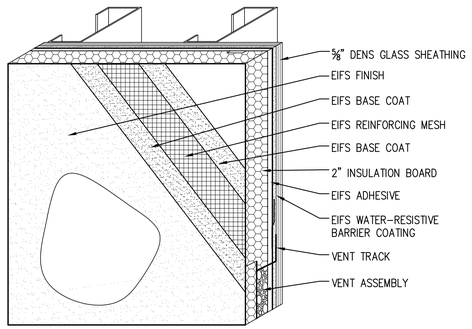
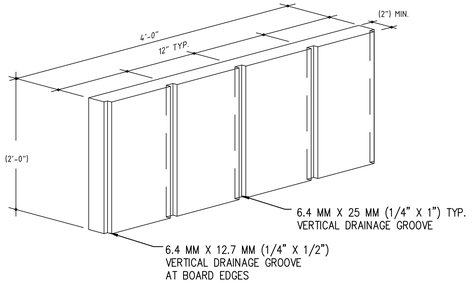
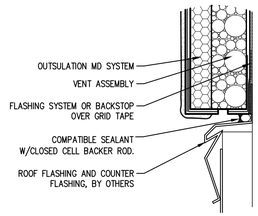


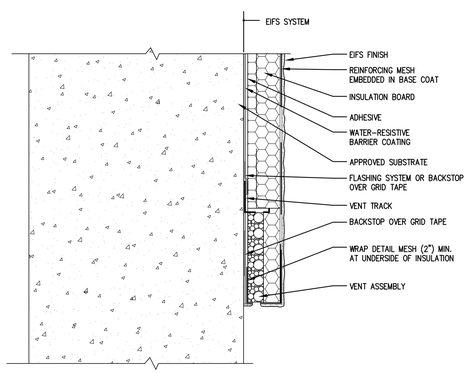
EIFS SYSTEM



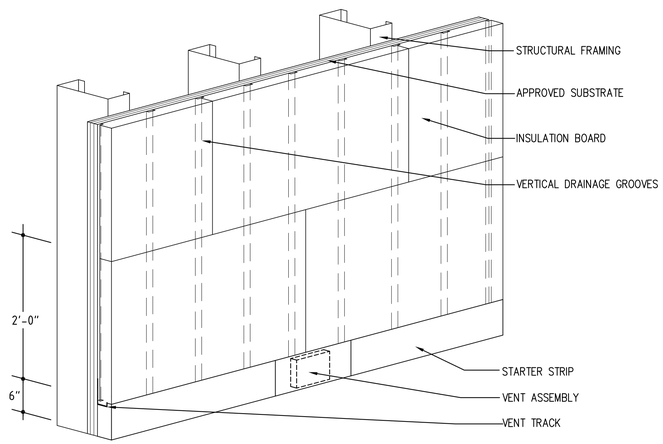
EIFS INSULATION BOARD



EIFS TERMINATION AT WALL INTERSECTION



EIFS TERMINATION DETAIL



EIFS INSULATION BOARD LAYOUT

4 EIFS SYSTEM
SCALE : N.T.S.

BLOCK: 759 LOT: 55

6 / 13 / 2011 21072-TYLE-3DWG.DWG Plotted: 10 / 8 / 2014 Wed | 21362-TB-2A08 -DOB | TROSS SECTION 1 | 21362_SECTION SCHA_01

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
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ROOF & EIFS DETAILS

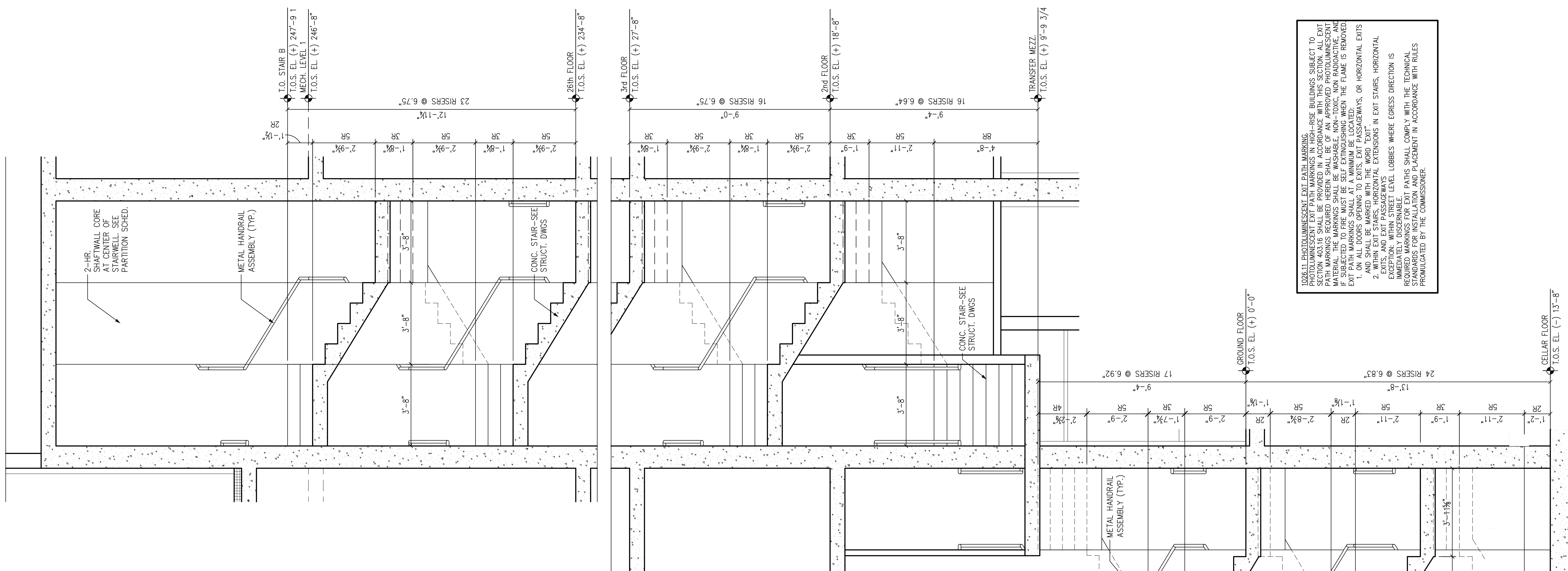
Drawing Number ## of

1

A-541.00

DOB B-Scan

21362



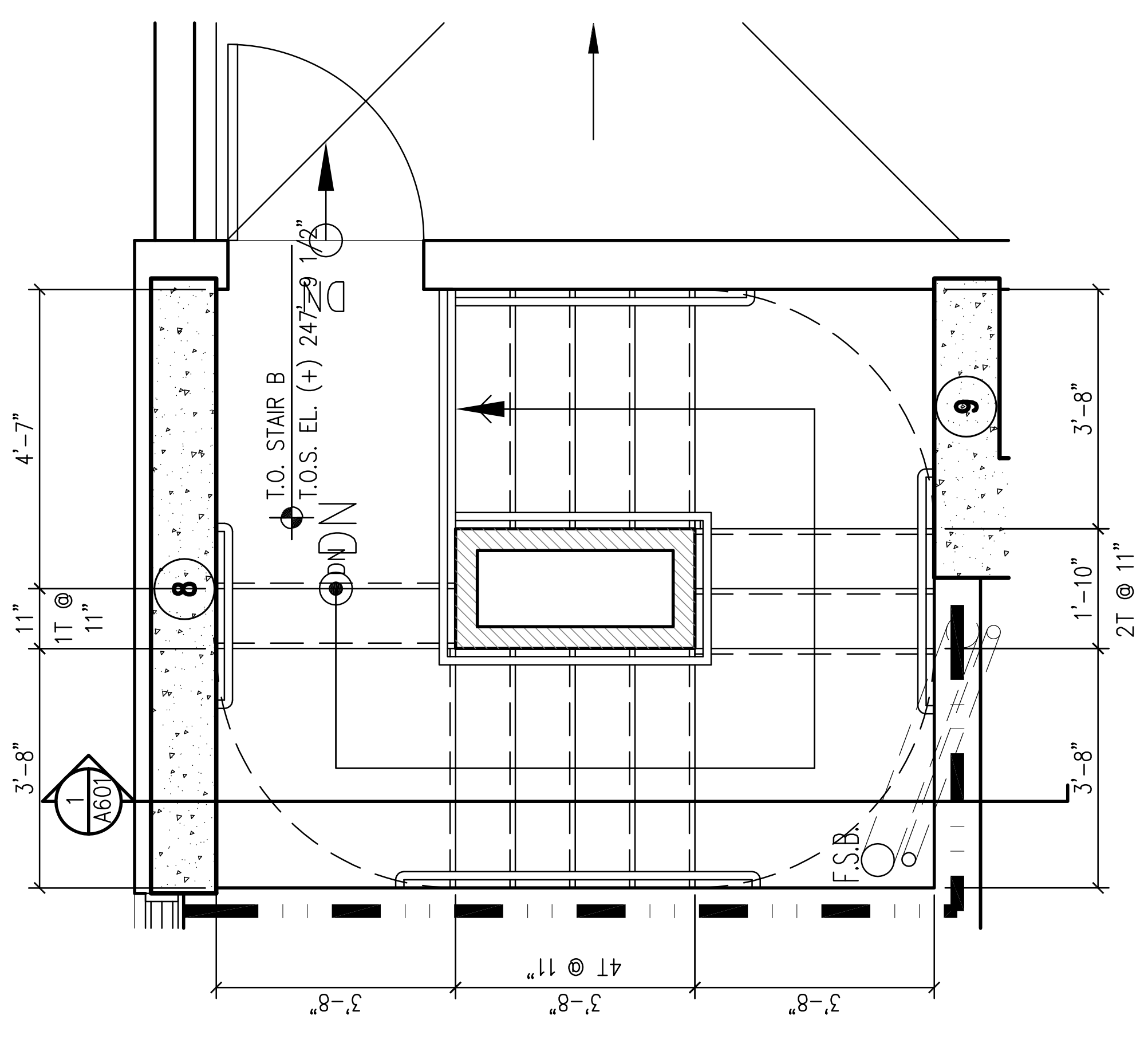
1026.11 PHOTOLUMINESCENT EXIT PATH MARKING.
PHOTOLUMINESCENT EXIT PATH MARKINGS IN HIGH-RISE BUILDINGS SUBJECT TO SECTION 403.16 SHALL BE PROVIDED IN ACCORDANCE WITH THIS SECTION. ALL EXIT PATH MARKINGS REQUIRED HEREIN SHALL BE OF AN APPROVED PHOTOLUMINESCENT MATERIAL. THE MARKINGS SHALL BE WASHABLE, NON-TOXIC, NON RADIOACTIVE, AND IF SUBJECTED TO FIRE MUST BE SELF EXTINGUISHING WHEN THE FLAME IS REMOVED. EXIT PATH MARKINGS SHALL AT A MINIMUM BE LOCATED:

1. ON ALL DOORS OPENING TO EXITS, EXIT PASSAGEWAYS, OR HORIZONTAL EXITS AND SHALL BE MARKED WITH THE WORD "EXIT".
2. WITHIN EXIT STAIRS, HORIZONTAL EXTENSIONS IN EXIT STAIRS, HORIZONTAL EXITS, AND EXIT PASSAGEWAYS

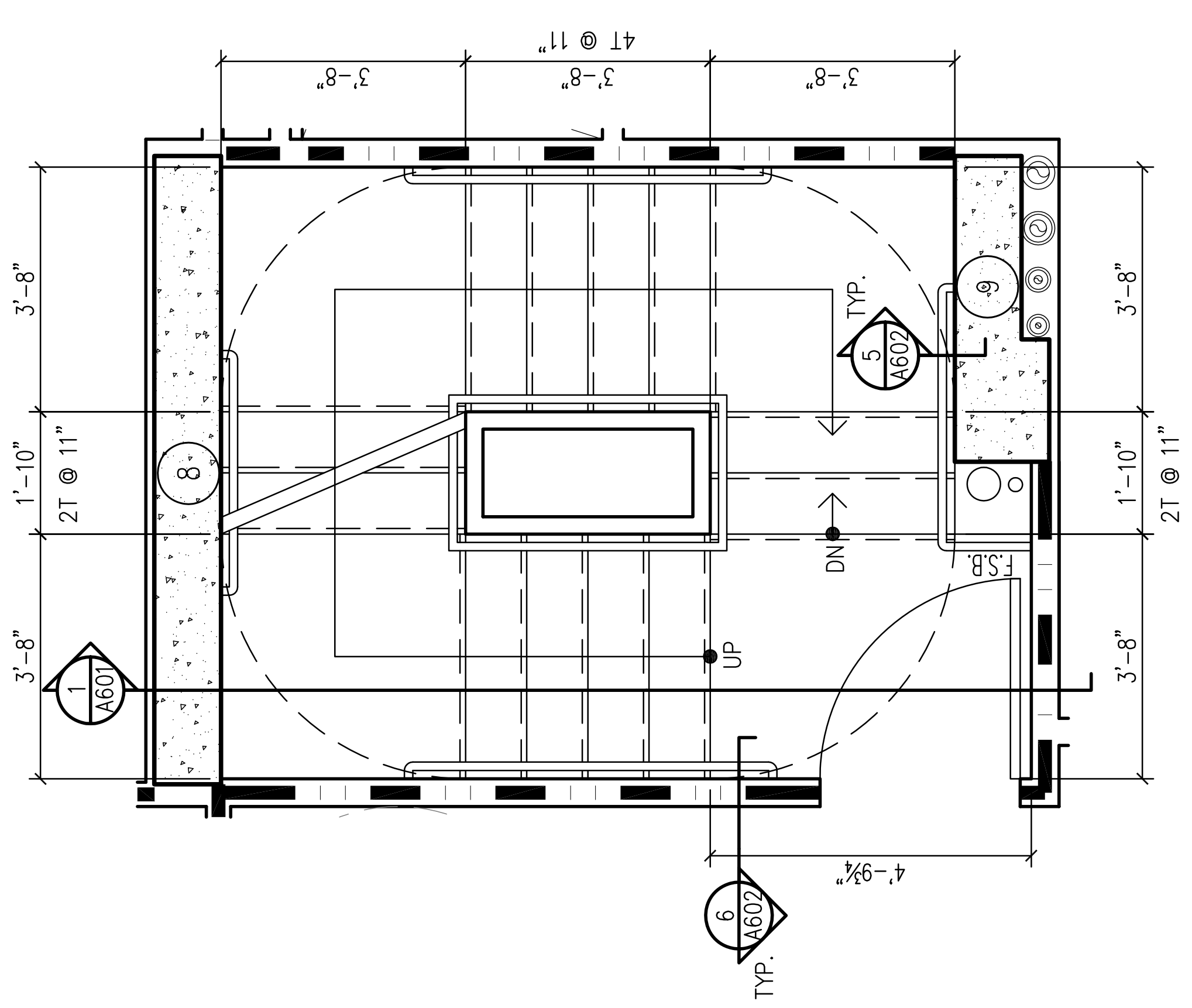
EXCEPTION: WITHIN STREET LEVEL LOBBIES WHERE EGRESS DIRECTION IS IMMEDIATELY DISCERNABLE.

REQUIRED MARKINGS FOR EXIT PATHS SHALL COMPLY WITH THE TECHNICAL STANDARDS FOR INSTALLATION AND PLACEMENT IN ACCORDANCE WITH RULES PROMULGATED BY THE COMMISSIONER.

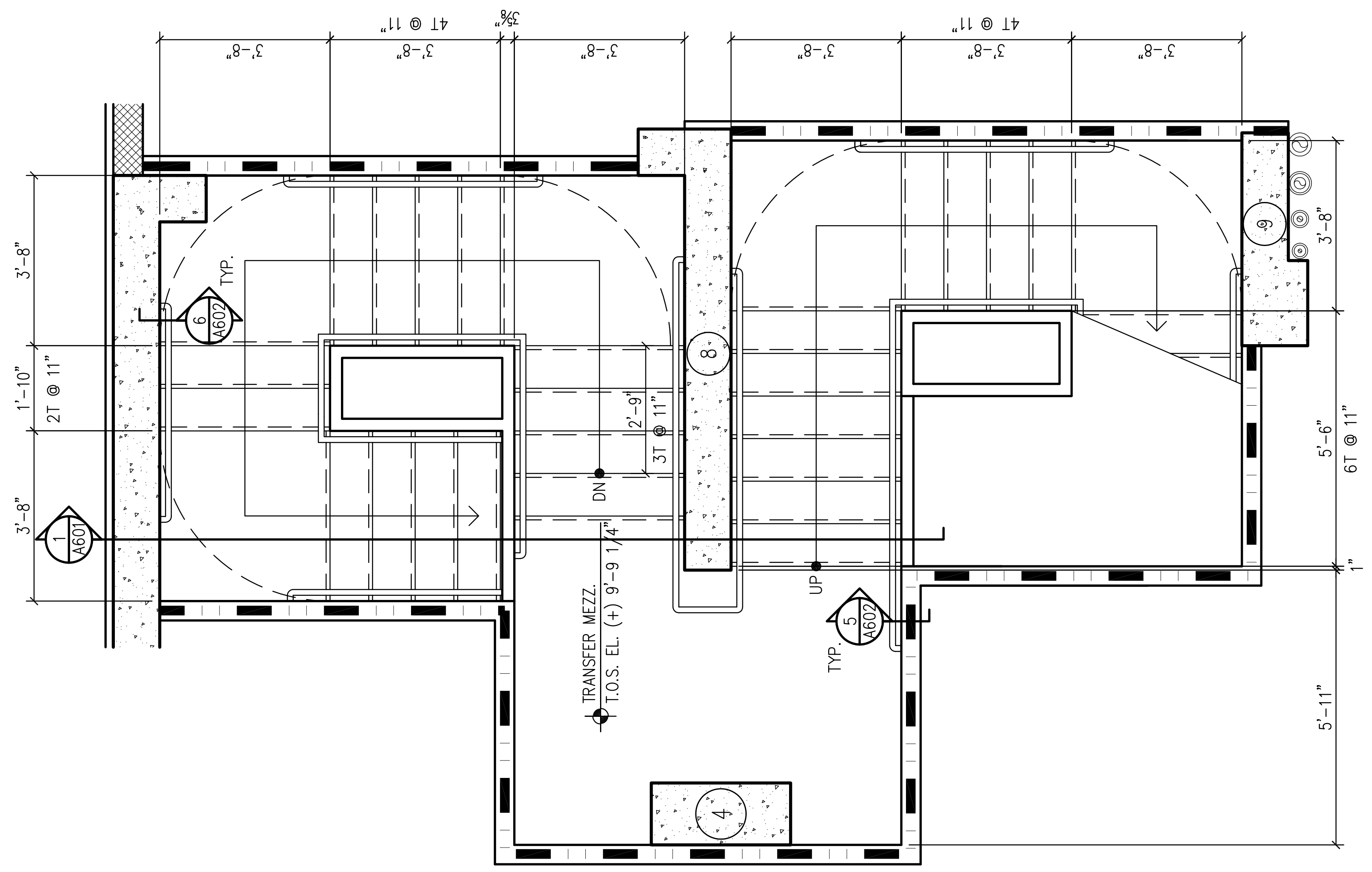
① STAIR B – SECTION
SCALE : 3/8" = 1'0"



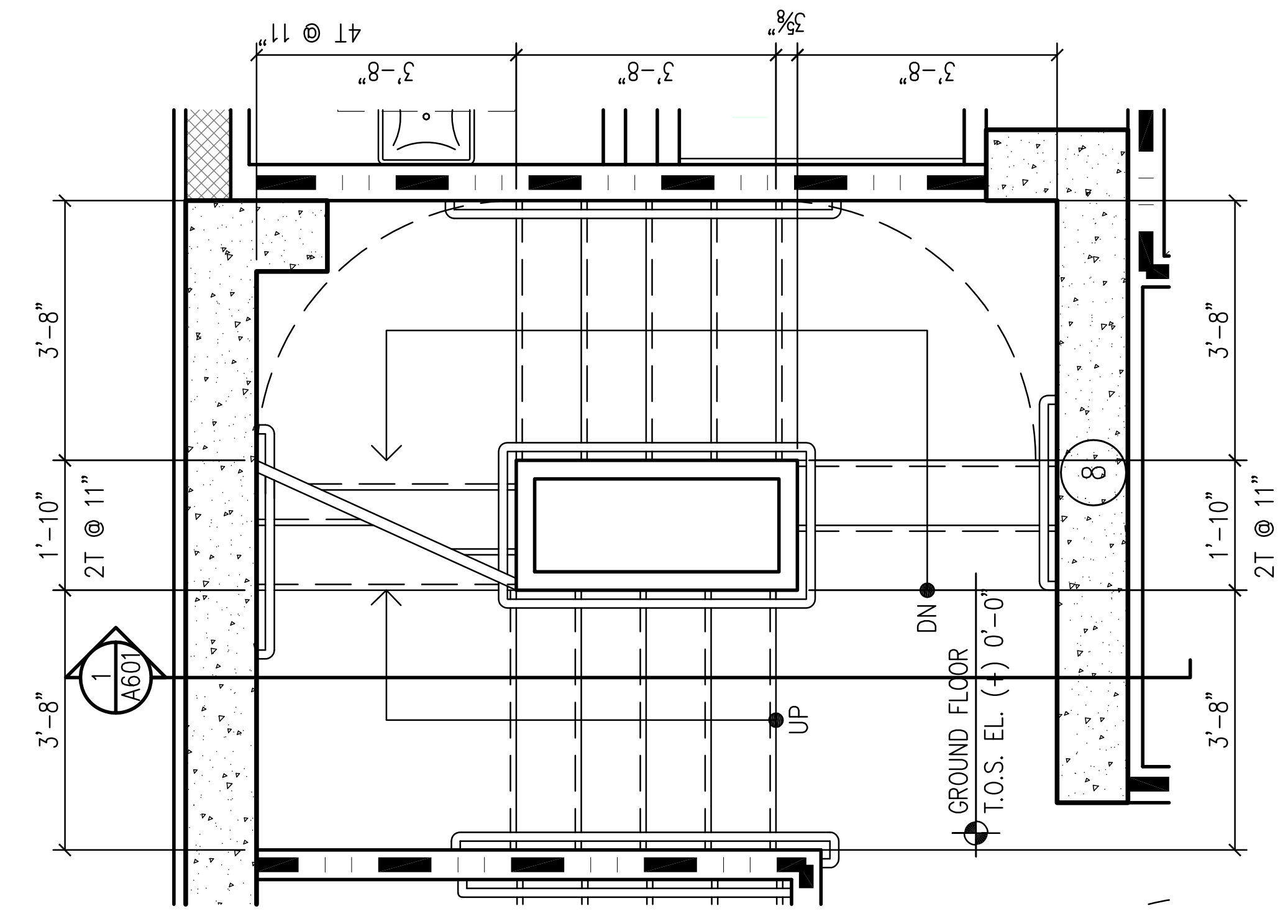
⑥ STAIR B –ROOF LEVEL
SCALE : 3/8" = 1'0"



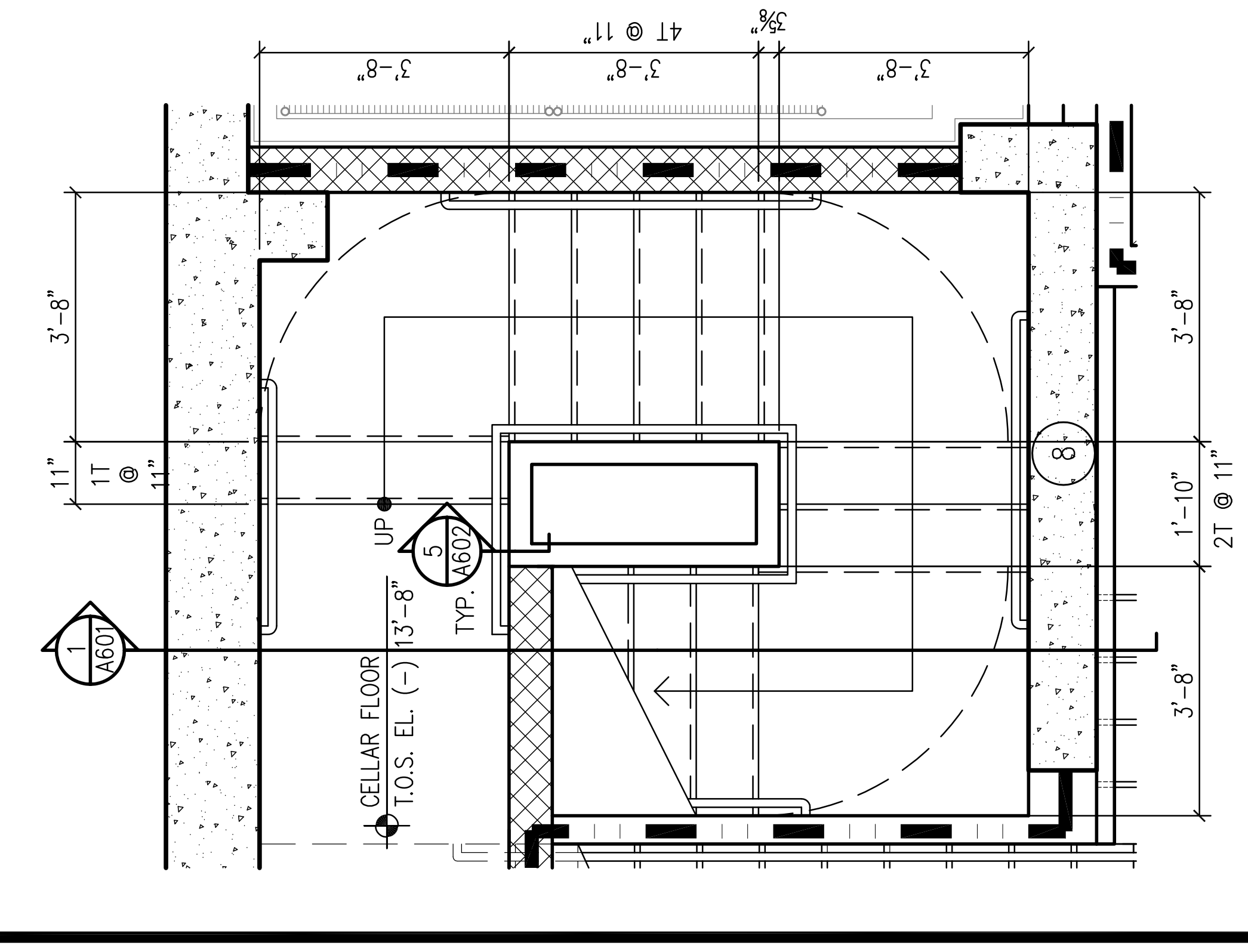
⑤ STAIR B –TYPICAL FLOOR
SCALE : 3/8" = 1'0"



④ STAIR B –TRANSFER MEZZ.
SCALE : 3/8" = 1'0"



③ STAIR B – GROUND FL.
SCALE : 3/8" = 1'0"



② STAIR B – CELLAR
SCALE : 3/8" = 1'0"

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Seal

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STONEHILL & TAYLOR
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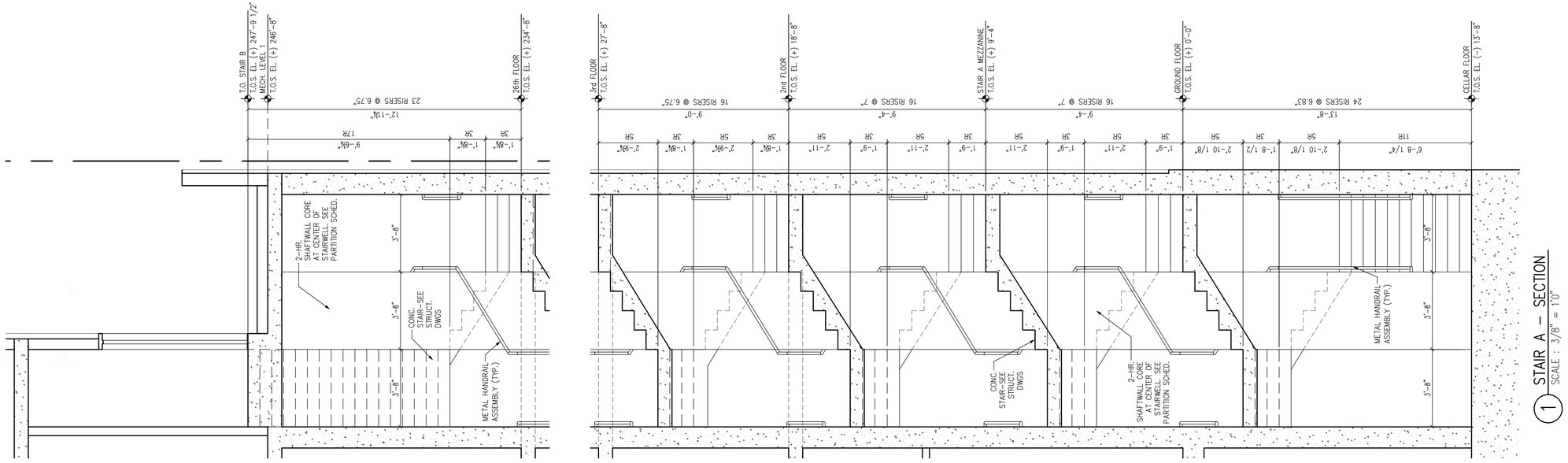
STAIR B PLANS & SECTIONS

Drawing Number ## of

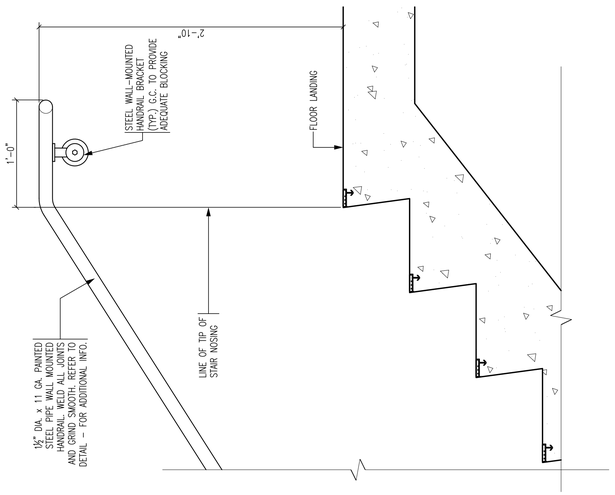
A-601.00

DOB B-Scan

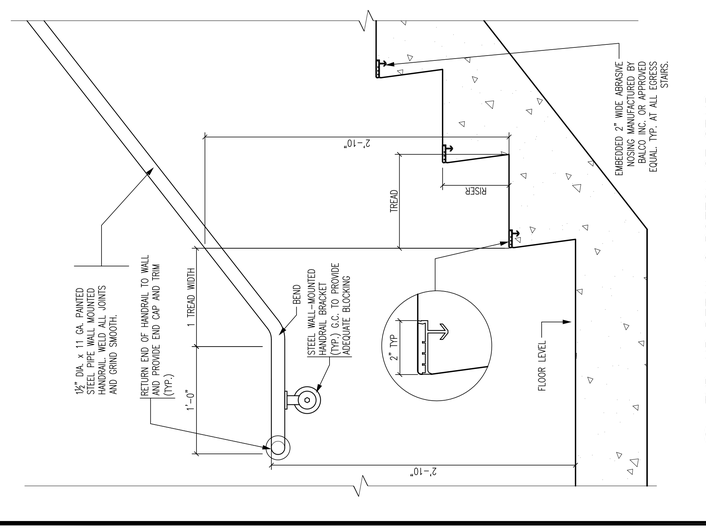
21362



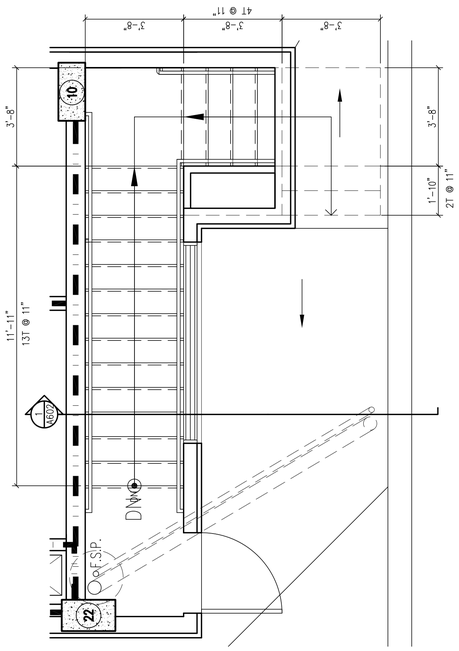
1 STAIR A – SECTION
SCALE : 3/8" = 1'0"



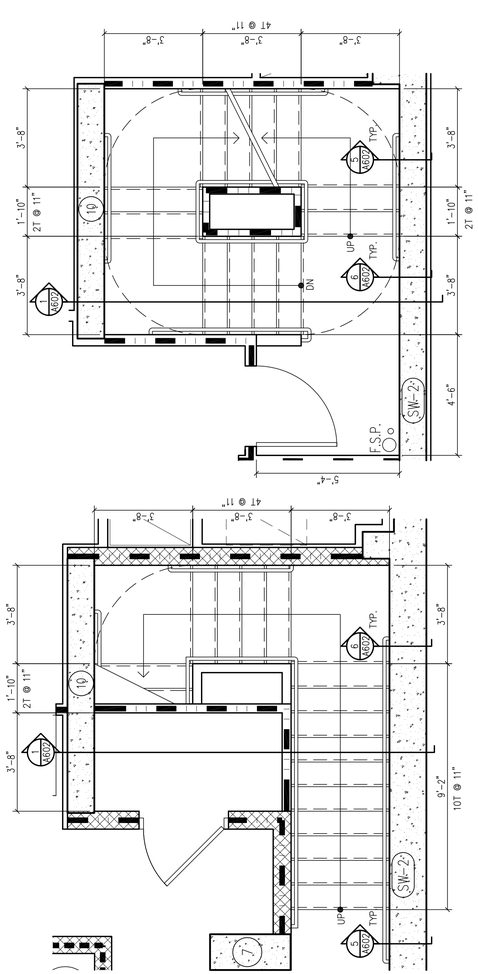
6 TYP. HR DETAIL @ TOP OF STAIR
SCALE : 3/8" = 1'0"



5 TYP. HR DETAIL @ BOTTOM OF STAIR
SCALE : 3/8" = 1'0"



4 STAIR A – ROOF LEVEL
SCALE : 3/8" = 1'0"



3 STAIR A – TYP. FLOOR
SCALE : 3/8" = 1'0"
NOTE: 1st FLOOR PLAN VERY SIMILAR

2 STAIR A – CELLAR
SCALE : 3/8" = 1'0"

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PHOTOLUMINESCENT EXIT PATH MARKINGS IN HIGH-RISE BUILDINGS SHALL BE PROVIDED AS REQUIRED BY THIS SECTION IN ACCORDANCE WITH THIS SECTION. ALL EXIT PATH MARKINGS REQUIRED HEREIN SHALL BE OF AN APPROVED PHOTOLUMINESCENT MATERIAL. THE MARKINGS SHALL BE MAINTAINED GLOWING AND VISIBLE IN THE EVENT OF FIRE AND SMOKE. SELF EXTINGUISHING WHEN THE FLAME IS REMOVED. EXIT PATH MARKINGS SHALL AT A MINIMUM BE LOCATED:
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EXCEPTION: WITHIN STAIR ENCLOSURES AT LEVEL LOBBIES WHERE EGRESS DIRECTION IS IMMEDIATELY DISCERNABLE.
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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

STAIR A PLANS & SECTIONS & TYP. DETAILS

Drawing Number ## of

A-602.00

DOB B-Scan

21362

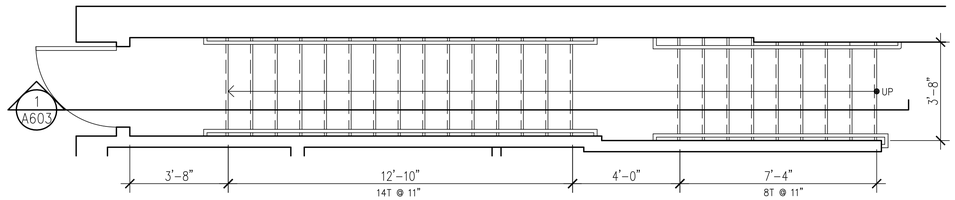
6 / 13 / 2014 21373-TTLE-SDWG.DWG Plotted: 10 / 8 / 2014 by=et (DIESEL-evaluation Edition)

1026.11 PHOTOLUMINESCENT EXIT PATH MARKING.
PHOTOLUMINESCENT EXIT PATH MARKINGS IN HIGH-RISE BUILDINGS SUBJECT TO SECTION 403.16 SHALL BE PROVIDED IN ACCORDANCE WITH THIS SECTION. ALL EXIT PATH MARKINGS REQUIRED HEREIN SHALL BE OF AN APPROVED PHOTOLUMINESCENT MATERIAL. THE MARKINGS SHALL BE WASHABLE, NON-TOXIC, NON RADIOACTIVE, AND IF SUBJECTED TO FIRE MUST BE SELF EXTINGUISHING WHEN THE FLAME IS REMOVED. EXIT PATH MARKINGS SHALL AT A MINIMUM BE LOCATED:

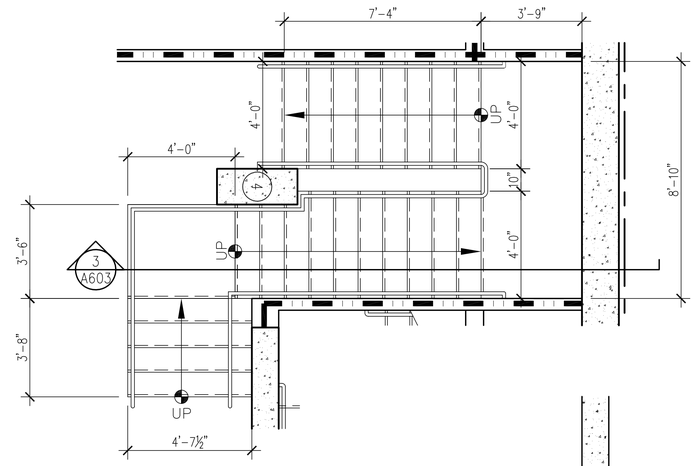
1. ON ALL DOORS OPENING TO EXITS, EXIT PASSAGEWAYS, OR HORIZONTAL EXITS AND SHALL BE MARKED WITH THE WORD "EXIT".
2. WITHIN EXIT STAIRS, HORIZONTAL EXTENSIONS IN EXIT STAIRS, HORIZONTAL EXITS, AND EXIT PASSAGEWAYS

EXCEPTION: WITHIN STREET LEVEL LOBBIES WHERE EGRESS DIRECTION IS IMMEDIATELY DISCERNABLE.

REQUIRED MARKINGS FOR EXIT PATHS SHALL COMPLY WITH THE TECHNICAL STANDARDS FOR INSTALLATION AND PLACEMENT IN ACCORDANCE WITH RULES PROMULGATED BY THE COMMISSIONER.

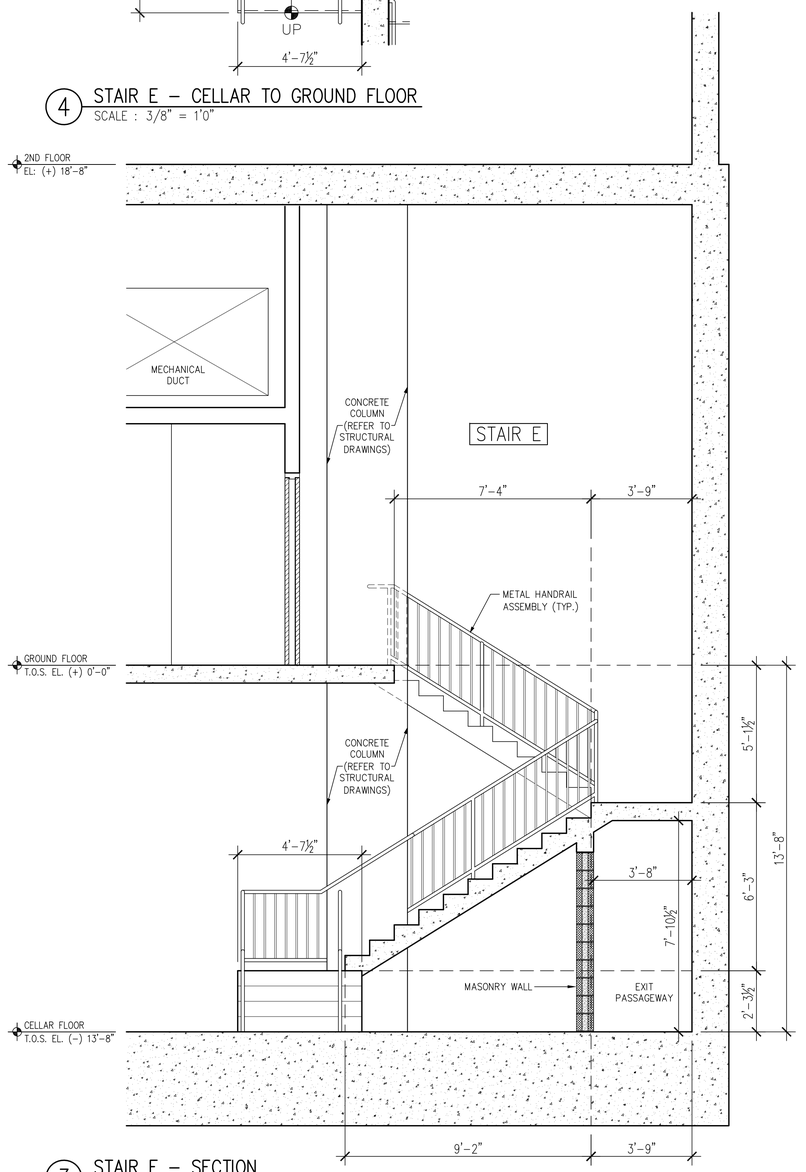


2 STAIR C & D – CELLAR TO GROUND FLOOR
SCALE : 3/8" = 1'0"



4 STAIR E – CELLAR TO GROUND FLOOR
SCALE : 3/8" = 1'0"

1 STAIR C & D – SECTION
SCALE : 3/8" = 1'0"



3 STAIR E – SECTION
SCALE : 3/8" = 1'0"

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
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07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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Seal

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NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

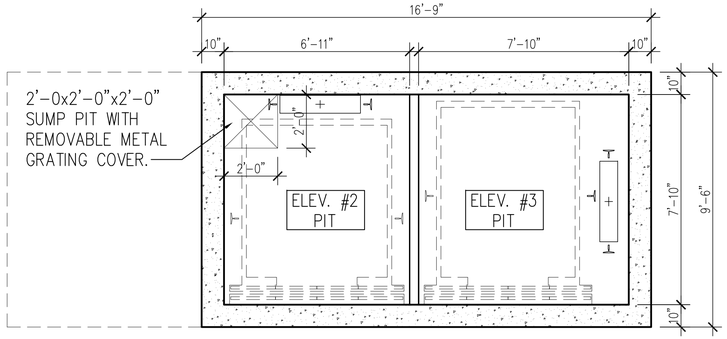
STAIR C, D & E PLANS & SECTIONS

Drawing Number ## of

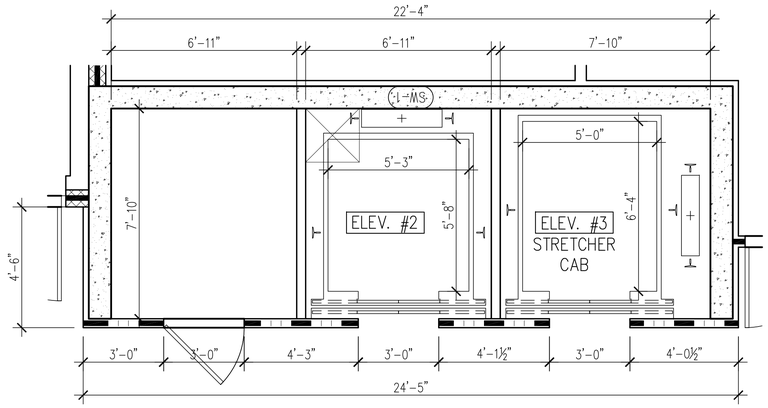
A-603.00

DOB B-Scan

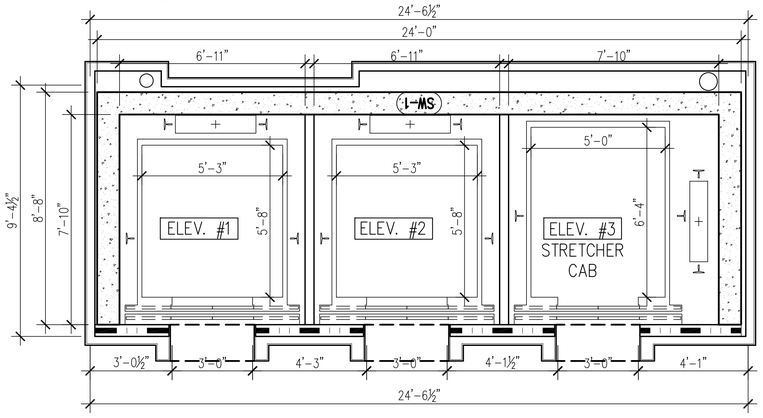
21362



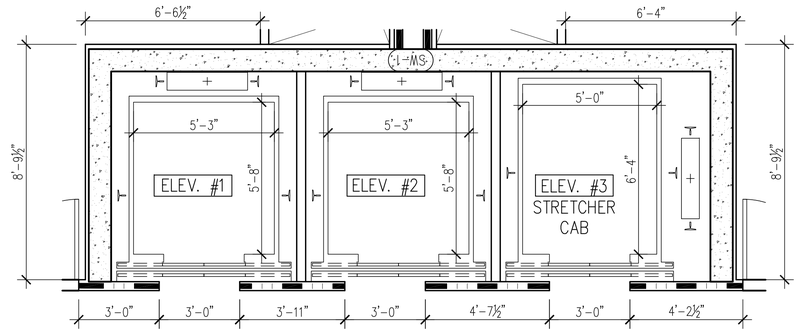
1 ELEVATOR PIT
SCALE : 3/8" = 1'-0"



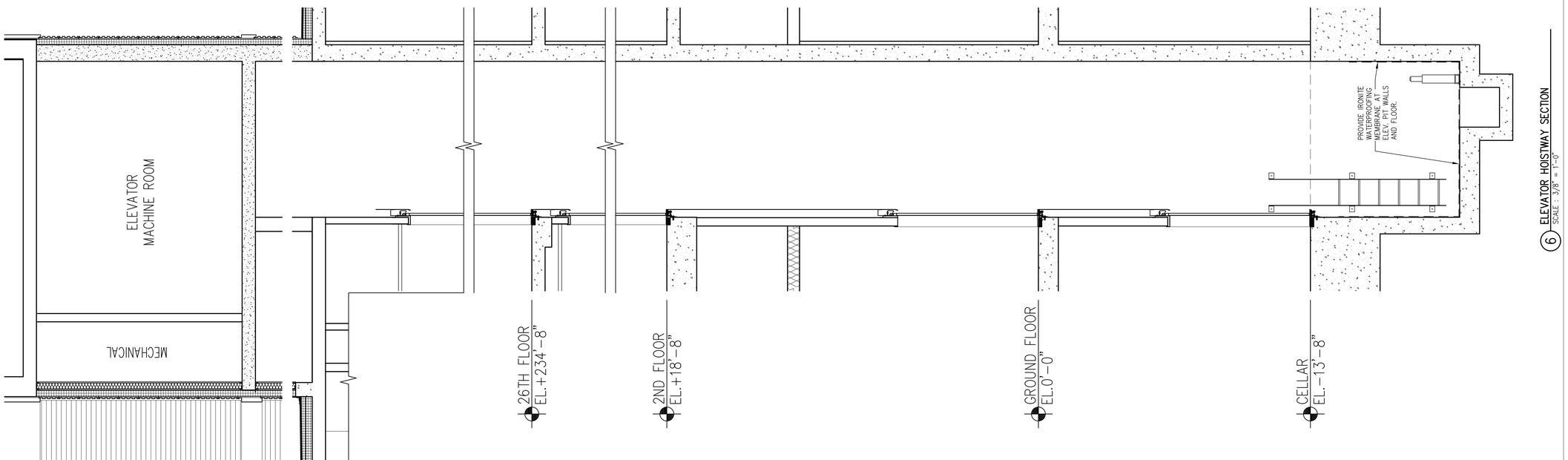
2 ELEVATOR HOISTWAY AT CELLAR
SCALE : 3/8" = 1'-0"



3 ELEVATOR HOISTWAY AT 1ST FLOOR
SCALE : 3/8" = 1'-0"



4 ELEVATOR HOISTWAY AT FLOORS 8-26
SCALE : 3/8" = 1'-0"



6 ELEVATOR HOISTWAY SECTION
SCALE : 3/8" = 1'-0"

BLOCK: 759 LOT: 55

6 / 13 / 2011 20073-TITLE-32ndZONE Plotted: 10 / 8 / 2014 Kiehl | 21362-RB-24X36 -10BI | 21362_1ST FLOOR PLAN | 21362_SHEARWALLS 1 | 21362_C CELLAR FLOOR PLAN | 21362_SHEARWALLS C | 21362_B-9TH

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

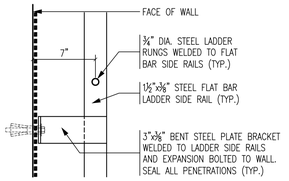
ELEVATOR 1, 2 & 3 PLANS & SECTION

Drawing Number ## of

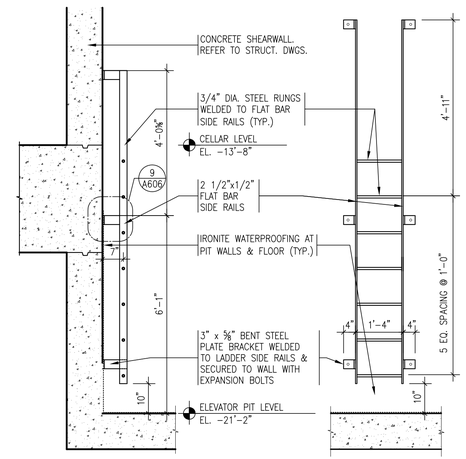
A-604.00

DOB B-Scan

21362



9 TYP. LADDER ATTACHMENT DETAIL
SCALE : 1 1/2" = 1'-0"

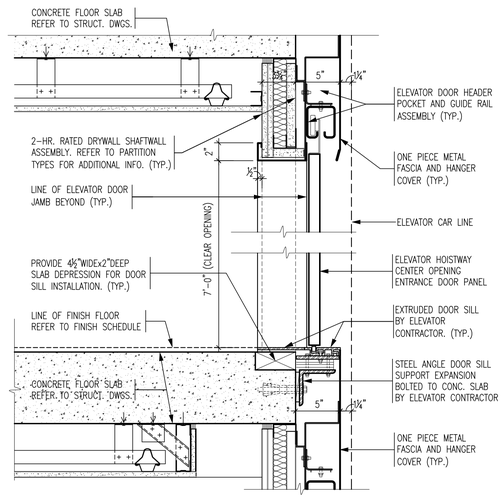


8 ELEVATOR PIT ACCESS LADDER DETAIL
SCALE : 1/2" = 1'-0"

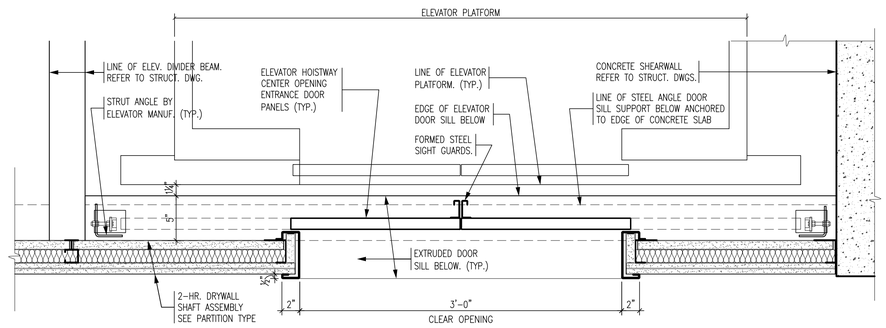
7 TYP. ELEV. CALL BOX SECTION DETAIL
SCALE : 1 1/2" = 1'-0"

6 TYP. ELEV. CALL BOX PLAN DETAIL
SCALE : 1 1/2" = 1'-0"

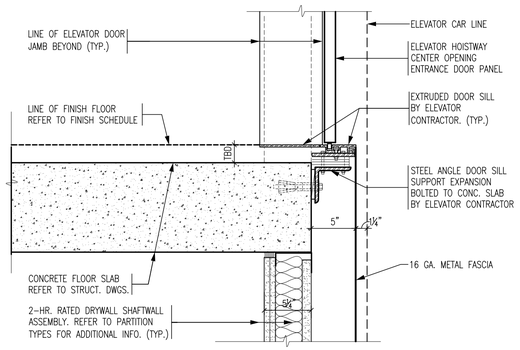
5 ELEV. HOISTWAY DOOR HEAD DETAIL AT 18TH. FLOOR
SCALE : 1 1/2" = 1'-0"



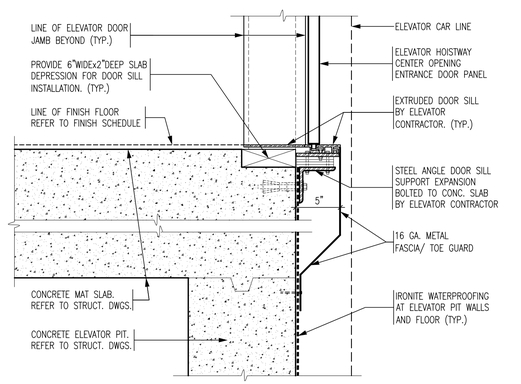
4 ELEV. HOISTWAY DOOR SILL/HEAD DETAIL AT TYP. FLOORS
SCALE : 1 1/2" = 1'-0"



3 TYP. ELEV. HOISTWAY ENTRANCE DOOR JAMB DETAIL
SCALE : 1 1/2" = 1'-0"



2 ELEV. HOISTWAY DOOR SILL DETAIL AT 1ST. FLOOR
SCALE : 1 1/2" = 1'-0"



1 ELEV. HOISTWAY DOOR SILL DETAIL AT CELLAR
SCALE : 1 1/2" = 1'-0"

BLOCK: 759 LOT: 55

6 / 13 / 2011 20073-TITLE-30X42.DWG Plotted: 10 / 8 / 2014 by Kelly | 2192-15-24436 - 008

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
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08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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Seal

Project

AC 320 HOTEL PARTNERS LLC
NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

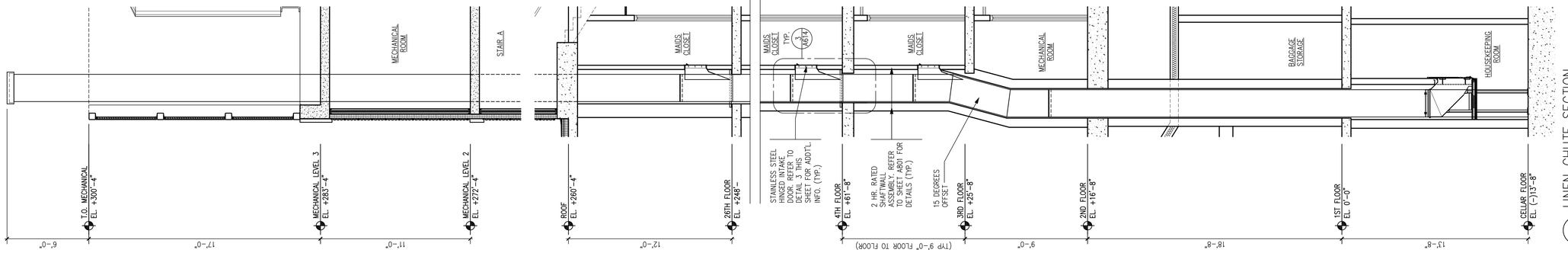
ELEVATOR DETAILS

Drawing Number ## of

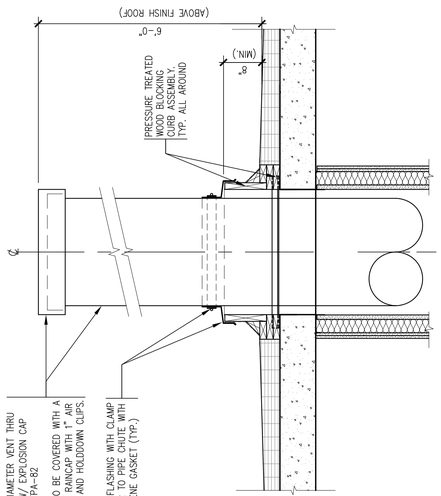
A-605.00

DOB B-Scan

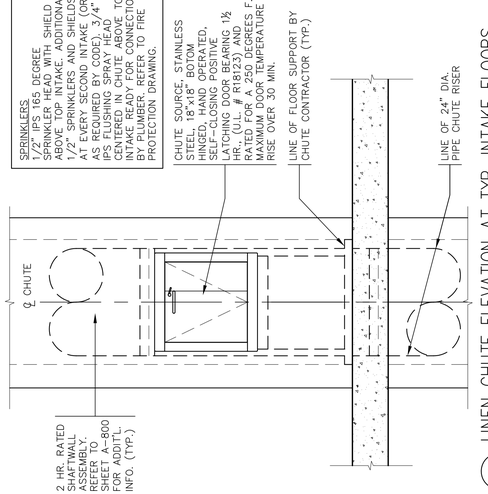
21362



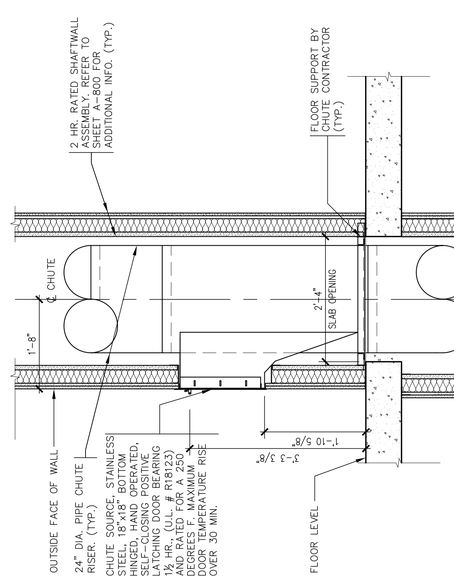
1 LINEN CHUTE SECTION
SCALE : 1/4" = 1'-0"



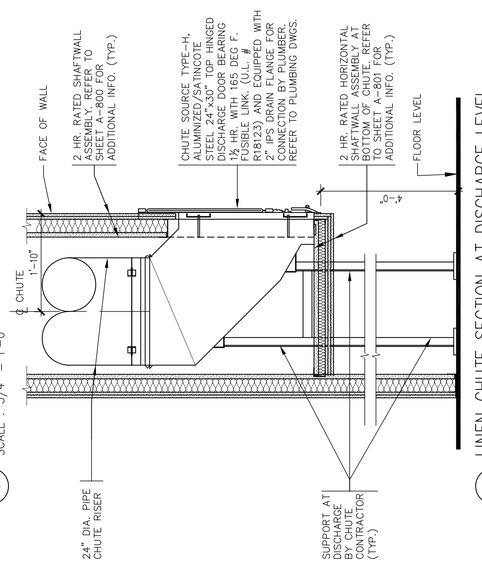
5 LINEN CHUTE SECTION AT ROOF LEVEL
SCALE : 3/4" = 1'-0"



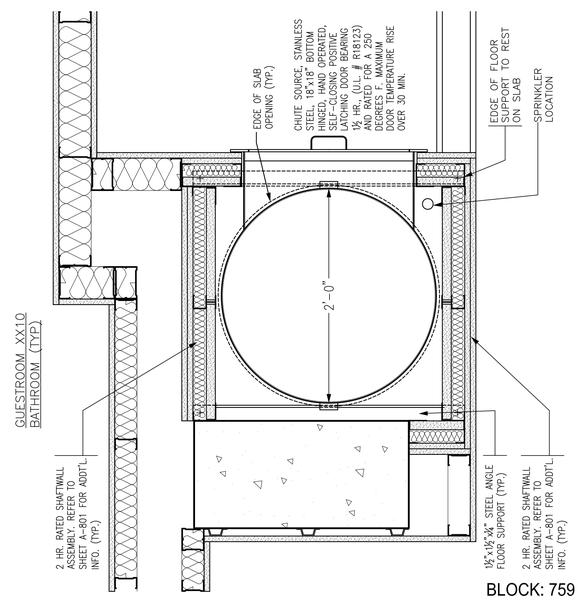
4 LINEN CHUTE ELEVATION AT TYP. INTAKE FLOORS
SCALE : 3/4" = 1'-0"



3 LINEN CHUTE SECTION AT TYPICAL INTAKE FLOORS
SCALE : 3/4" = 1'-0"



2 LINEN CHUTE SECTION AT DISCHARGE LEVEL
SCALE : 3/4" = 1'-0"



6 LINEN CHUTE INTAKE PLAN AT TYPICAL FLOOR
SCALE : 1 1/2" = 1'-0"

BLOCK: 759 LOT: 55

6 / 13 / 2011 2013-TITLE-30X42.DWG Plotted: 10 / 8 / 2014 by eb | 21362-19-2AOB - 008 | 21362_SECTIONS | BUILDING ELEVATION MARKERS | _4

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
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07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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Seal

Project

AC 320 HOTEL PARTNERS LLC
NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

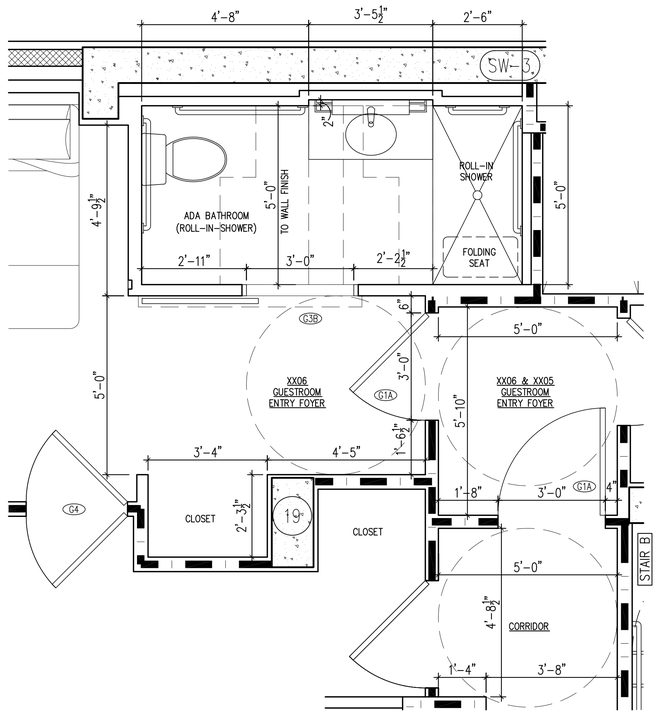
LINEN CHUTE PLAN & SECTION DETAILS

Drawing Number ## of

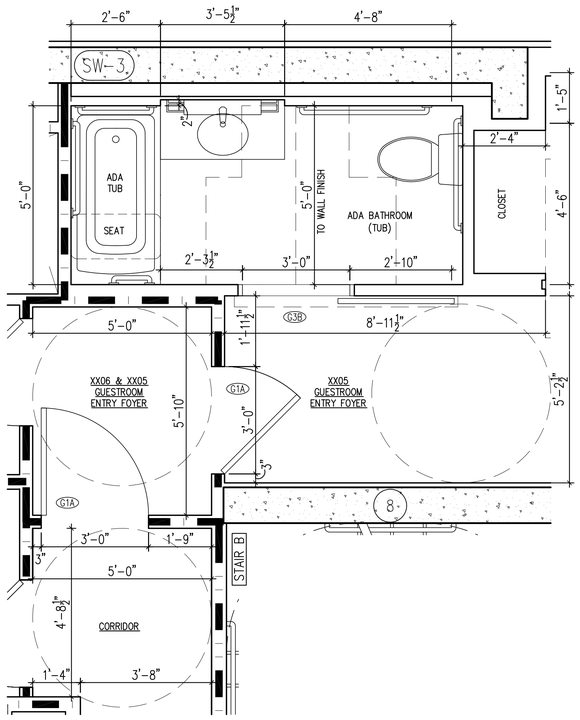
A-606.00

DOB B-Scan

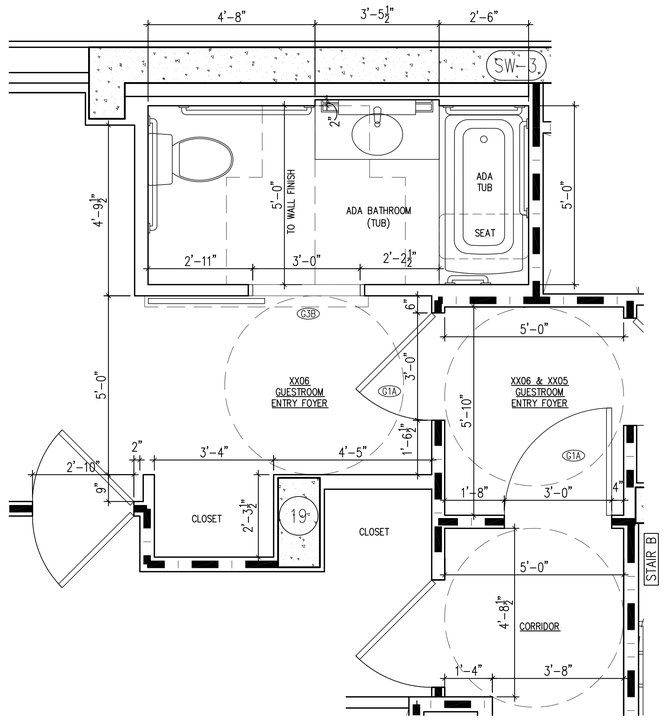
21362



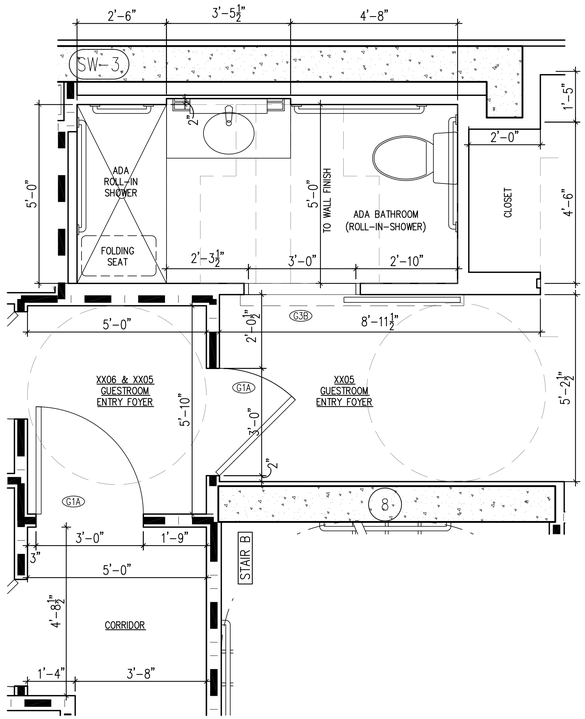
1 ADA GUESTROOM BATHROOM AT 8 & 9 FLOORS
SCALE : 1/2" = 1'0"



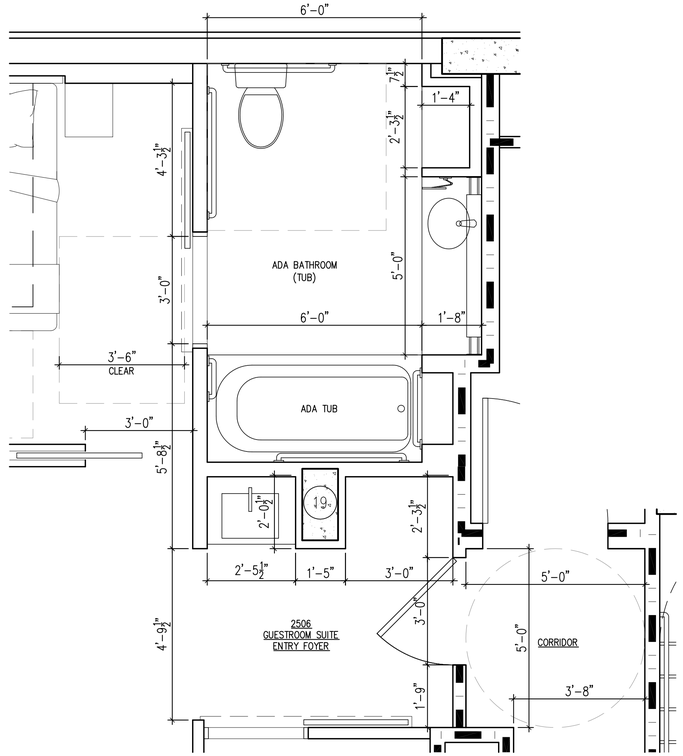
2 ADA GUESTROOM BATHROOM AT 11, 12, & 13 FLOORS
SCALE : 1/2" = 1'0"



3 ADA GUESTROOM BATHROOM AT 16, 17, 18, 22, 23, & 24 FLOORS
SCALE : 1/2" = 1'0"



4 ADA GUESTROOM BATHROOM AT 20 FLOOR
SCALE : 1/2" = 1'0"



5 ADA GUESTROOM SUITE BATHROOM AT 25TH FLOOR
SCALE : 1/2" = 1'0"

BLOCK: 759 LOT: 55

6 / 13 / 2011 21073-TITLE-CONXLDWG Plotted: 10 / 8 / 2014 Wed. (DESEL evaluation toned)

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
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STONEHILL & TAYLOR
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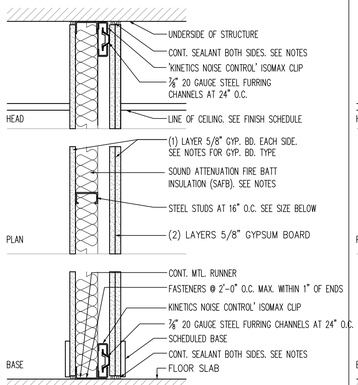
ADA GUESTROOM BATHROOM ENLARGED PLANS

Drawing Number ## of

A-607.00

DOB B-Scan

21362



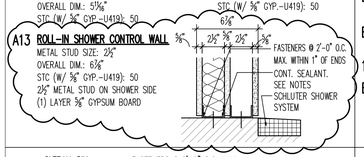
A 1-LAYER/2-LAYER PARTITION

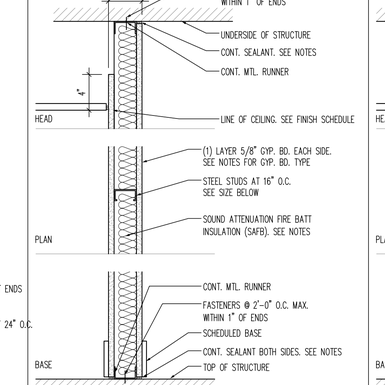
1-HOUR RATED (BASED ON UL DES. #U419, #U263; MEA 310-03-M)

A11 METAL STUD SIZE: 2½"
ISOMAX CLIP W/ FURRING CHANNEL: ⅞"
OVERALL DIM.: 5⅞"
STC (W/ ⅝" GYP.-U419): 50

A12 METAL STUD SIZE: 3⅝"
OVERALL DIM.: 4⅝"
STC (W/ ⅝" GYP.-U419): 50

A13 ROLL-IN SHOWER CONTROL WALL
METAL STUD SIZE: 2½"
OVERALL DIM.: 6⅞"
STC (W/ ⅝" GYP.-U419): 50
2½" METAL STUD ON SHOWER SIDE
(1) LAYER ⅝" GYPSUM BOARD





B 1-LAYER PARTITION

NON-RATED

B01 METAL STUD SIZE: 1-5/8"
OVERALL DIM.: 2-7/8"

B02 METAL STUD SIZE: 2-1/2"
OVERALL DIM.: 3-3/4"

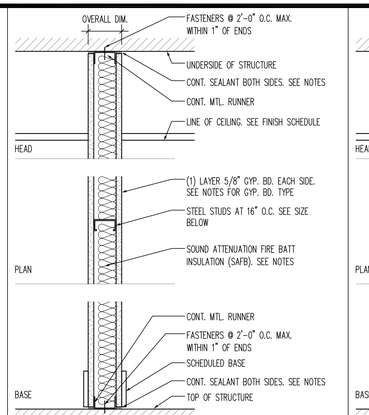
B03 METAL STUD SIZE: 3-5/8"
OVERALL DIM.: 4-7/8"

B06 METAL STUD SIZE: 6"
OVERALL DIM.: 7-1/4"

1-HOUR RATED (UL DES. #U419, #U465; MEA 81-98-M)

B13 METAL STUD SIZE: 3-5/8"
OVERALL DIM.: 4-7/8"
STC (W/ 3" SAFB): 45 TO 49

B16 METAL STUD SIZE: 6"
OVERALL DIM.: 7-1/4"



C 1-LAYER PARTITION

NON-RATED

C01 METAL STUD SIZE: 1-5/8"
OVERALL DIM.: 2-7/8"

C02 METAL STUD SIZE: 2-1/2"
OVERALL DIM.: 3-3/4"

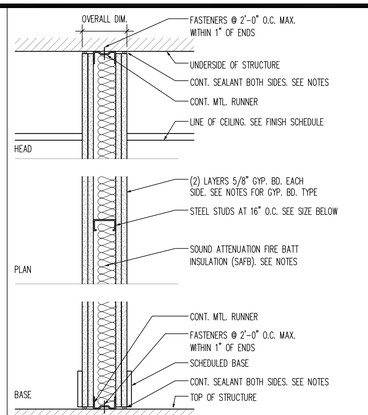
C03 METAL STUD SIZE: 3-5/8"
OVERALL DIM.: 4-7/8"

C06 METAL STUD SIZE: 6"
OVERALL DIM.: 7-1/4"

1-HOUR RATED (UL DES. #U419, #U465; MEA 81-98-M)

C13 METAL STUD SIZE: 3-5/8"
OVERALL DIM.: 4-7/8"
STC (W/ 3" SAFB): 45 TO 49

C16 METAL STUD SIZE: 6"
OVERALL DIM.: 7-1/4"



D 2-LAYER PARTITION

1-HOUR RATED (UL DES. #U419, #U465; MEA 81-98-M)

D13 METAL STUD SIZE: 3-5/8"
OVERALL DIM.: 6-1/8"

D16 METAL STUD SIZE: 6"
OVERALL DIM.: 8-1/2"

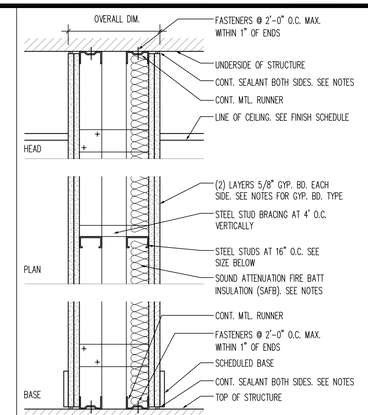
2-HOUR RATED (UL DES. #U411, #U412, #U419; MEA 81-98-M)

D21 METAL STUD SIZE: 1-5/8"
OVERALL DIM.: 4-1/8"

D22 METAL STUD SIZE: 2-1/2"
OVERALL DIM.: 5"
STC (W/ 2-1/2" SAFB): 50 TO 54

D23 METAL STUD SIZE: 3-5/8"
OVERALL DIM.: 6-1/8"
STC (W/ 3-1/2" SAFB): 55 TO 59
MASONRY EQUIVLENT AT EGRESS ENCLOSURES:
USE 20 GUAGE OR THICKER AND 3⅝" DEEP COLD FORMED STEEL FRAMING @ 16" O.C. AND CONFORMING REQUIREMNETS OF BC1014-01

D26 METAL STUD SIZE: 6"
OVERALL DIM.: 8-1/2"



E CHASE PARTITION

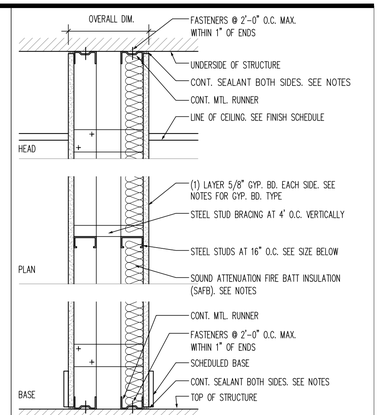
2-HOUR RATED (UL DES. #U420; BSA 173-77-SM)

E21 METAL STUD SIZE: 1-5/8"
OVERALL DIM: VARIES (24" MAX) (6¾" MIN.)
STC (W/ 3½" SAFB): 55 TO 59

E22 METAL STUD SIZE: 2½"
OVERALL DIM.: VARIES. 24" MAX.
IIC RATING 50 OR BETTER

E23 METAL STUD SIZE: 3-5/8"
OVERALL DIM.: VARIES. 24" MAX.

E26 METAL STUD SIZE: 6"
OVERALL DIM.: VARIES. 24" MAX.



F CHASE PARTITION

NON-RATED

F01 METAL STUD SIZE: 1-5/8"
OVERALL DIM.: VARIES. 24" MAX.

F02 METAL STUD SIZE: 2-1/2"
OVERALL DIM.: VARIES. 24" MAX.

F03 METAL STUD SIZE: 3-5/8"
OVERALL DIM.: VARIES. 24" MAX.

F06 METAL STUD SIZE: 6"
OVERALL DIM.: VARIES. 24" MAX.

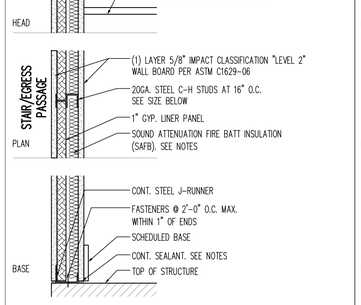
1-HOUR RATED (UL DES. #U420; BSA 173-77-SM)

F11 METAL STUD SIZE: 1⅝"
OVERALL DIM.: VARIES. 24" MAX. 5⅜" MIN.
STC (W/ 3-1/2" SAFB): 50 TO 54

F12 METAL STUD SIZE: 2-1/2"
OVERALL DIM.: VARIES. 24" MAX.

F13 METAL STUD SIZE: 3-5/8"
OVERALL DIM.: VARIES. 24" MAX.

F16 METAL STUD SIZE: 6"
OVERALL DIM.: VARIES. 24" MAX.



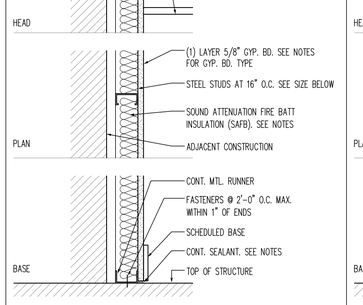
G EGRESS ENCLOSURE PARTITION

2-HOUR RATED (UL DES. #U467)

G22 METAL STUD SIZE: 2-1/2"
OVERALL DIM.: 3-5/8"

G26 METAL STUD SIZE: 6"
OVERALL DIM.: 7-1/4"

G24 CONFORMING REQUIREMNETS OF RCNY 1014-01
MASONRY EQUIVALENT EGRESS ENCLOSURE:
METAL STUD SIZE: 4" 20GA.
OVERALL DIM.: 5-1/4"



H FURRING

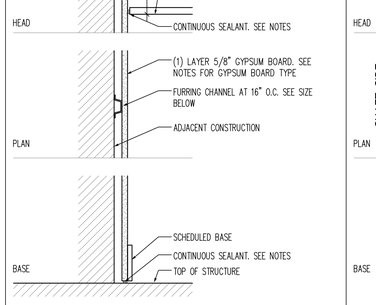
NON-RATED

H01 METAL STUD SIZE: 1-5/8"
OVERALL DIM.: 2-1/4"

H02 METAL STUD SIZE: 2-1/2"
OVERALL DIM.: 3-1/8"

H03 METAL STUD SIZE: 3-5/8"
OVERALL DIM.: 4-1/4"
R-13 RIGID INSULATION

H06 METAL STUD SIZE: 6"
OVERALL DIM.: 6-5/8"



J FURRING

NON-RATED

J00 RESILIENT CHANNEL SIZE: 1/2"
OVERALL DIMENSION: 1-1/8"

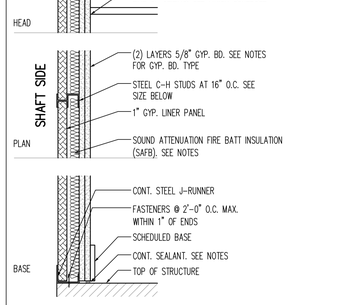
J01 FURRING CHANNEL SIZE: 7/8"
OVERALL DIMENSION: 1-1/2"

J02 FURRING CHANNEL SIZE: 7/8"
OVERALL DIMENSION: 1-1/2"
(SEE NOTE IN DRAWING ABOVE)

J03 KINETICS NOISE CONTROL' ISOMAX CLIP
OVERALL DIMENSION: 2"

J07 Z-FURRING CHANNEL SIZE: 1-1/2"
OVERALL DIMENSION: 2-1/8"

J08 Z-FURRING CHANNEL SIZE: 2"
OVERALL DIMENSION: 2-5/8"



K SHAFT PARTITION

NON-RATED

K02 METAL STUD SIZE: 2-1/2"
OVERALL DIM.: 3-3/4"

K04 METAL STUD SIZE: 4"
OVERALL DIM.: 5-1/4"

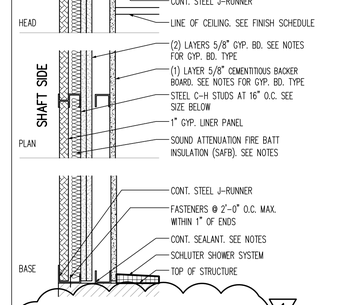
K06 METAL STUD SIZE: 6"
OVERALL DIM.: 7-1/4"

2-HOUR RATED (UL DES. #U438; BSA 354-76-SM)

K22 METAL STUD SIZE: 2-1/2"
OVERALL DIM.: 3-3/4"
STC (W/ 2-1/2" SAFB): 45 TO 49

K24 METAL STUD SIZE: 4"
OVERALL DIM.: 5-1/4"

K26 METAL STUD SIZE: 6"
OVERALL DIM.: 7-1/4"



L SHAFT PARTITION (AT SHOWER CONTROL WALL)

NON-RATED

L02 METAL STUD SIZE: 2-1/2"
OVERALL DIM.: 3-3/4"

L04 METAL STUD SIZE: 4"
OVERALL DIM.: 5-1/4"

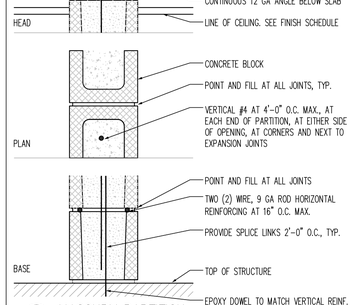
L06 METAL STUD SIZE: 6"
OVERALL DIM.: 7-1/4"

2-HOUR RATED (UL DES. #U438; BSA 354-76-SM)

L22 METAL STUD SIZE: 2-1/2"
OVERALL DIM.: 3-3/4"
STC (W/ 2-1/2" SAFB): 45 TO 49

L24 METAL STUD SIZE: 4"
OVERALL DIM.: 5-1/4"

L26 METAL STUD SIZE: 6"
OVERALL DIM.: 7-1/4"



M MASONRY PARTITION

NON-RATED

M06 CMU SIZE: 5-5/8"

M08 CMU SIZE: 7-5/8"

1-HOUR RATED (UL DES. #905, #U906)

M16 CMU SIZE: 5-5/8"; STC: 46

M18 CMU SIZE: 7-5/8"

2-HOUR RATED (UL DES. #905, #U906)

M26 CMU SIZE: 5-5/8"; STC: 46

M210 CMU SIZE: 9-5/8"

M28 CMU SIZE: 7-5/8"

M212 CMU SIZE: 11-5/8"

3-HOUR RATED (UL DES. #904)

M38 CMU SIZE: 7-5/8"; STC: 50

M310 CMU SIZE: 9-5/8"

TYPICAL LIMITING HEIGHTS:

25 GAUGE STUD

STUD WIDTH	ALLOWABLE DEFLECTION	ONE LAYER GYP. BD. EACH SIDE	TWO LAYERS GYP. BD. EACH SIDE	FURRING ONE LAYER
1-5/8"	L/240 L/360	9'-6" 8'-3"	10'-6" 9'-0"	8'-3" 7'-3"
2-1/2"	L/240 L/360	12'-6" 10'-9"	13'-6" 11'-9"	11'-0" 9'-9"
3-5/8"	L/240 L/360	16'-0" 14'-0"	16'-9" 14'-9"	14'-6" 12'-9"
6"	L/240 L/360	20'-0" 20'-0"	20'-0" 20'-0"	20'-0" 18'-9"

22 GAUGE STUD

STUD WIDTH	ALLOWABLE DEFLECTION	ONE LAYER GYP. BD. EACH SIDE	TWO LAYERS GYP. BD. EACH SIDE	FURRING ONE LAYER
2-1/2"	L/240 L/360	13'-0" 11'-6"	14'-0" 12'-3"	12'-0" 10'-6"
3-5/8"	L/240 L/360	17'-3" 15'-0"	18'-0" 15'-9"	16'-0" 14'-0"
6"	L/240 L/360	25'-3" 22'-0"	26'-0" 22'-9"	23'-9" 20'-9"

20 GAUGE STUD

STUD WIDTH	ALLOWABLE DEFLECTION	ONE LAYER GYP. BD. EACH SIDE	TWO LAYERS GYP. BD. EACH SIDE	FURRING ONE LAYER
2-1/2"	L/240 L/360	13'-10" 12'-0"	16'-1" 14'-0"	13'-0" 11'-6"
3-5/8"	L/240 L/360	17'-11" 15'-7"	20'-2" 17'-8"	17'-3" 15'-0"
6"	L/240 L/360	26'-1" 22'-10"	28'-6" 24'-11"	25'-6" 23'-3"

NOTE: ALLOWABLE DEFLECTION SHALL BE L/360 UNLESS OTHERWISE NOTED.

SCALE: 1½" = 1'-0"

NOTES:

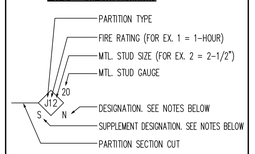
1. ALL GYPSUM BOARD SHALL BE INSTALLED AS PER NEW YORK CITY CODE, MEA, BSA, GA SPECIFICATIONS OR ANY OTHER AUTHORITY HAVING JURISDICTION.
2. PROVIDE ADDITIONAL BRACING AND/OR HEAVIER GAUGE STUDS AT SPANS EXCEEDING THOSE RECOMMENDED BY MANUFACTURER TO PREVENT EXCESSIVE DEFLECTION.
3. USE 22 GAUGE FOR ALL METAL FRAMING COMPONENTS AS STANDARD UNLESS OTHERWISE NOTED. SEE SPECIFICATIONS.
4. IMPACT RESISTANT GYPSUM BOARD SHALL BE USED ON ALL CORRIDOR SIDES OF PARTITIONS IN LIEU OF STANDARD GYPSUM BOARD.
5. WATER RESISTANT GYPSUM BOARD SHALL BE USED AT DAMP SIDE OF ALL BATHROOMS, BAR PARTITIONS, KITCHENS, ETC. IN LIEU OF STANDARD GYPSUM BOARD. WATER RESISTANT GYPSUM BOARD SHALL NOT BE USED FOR CEILING CONSTRUCTION.
6. CEMENT BOARD SHALL BE USED AT ALL WET LOCATIONS, FOR EXAMPLE SHOWERS, TUBS ETC. IN LIEU OF STANDARD GYPSUM BOARD. PROVIDE ADDITIONAL LAYER OF WALL BOARD AT PERIMETER OF TUB/SHOWER TO ACCOMMODATE LIP.
7. FIRE RESISTANT GYPSUM BOARD (ASTM TYPE 'X' GYPSUM BOARD OR APPROVED EQUAL) SHALL BE USED AT ALL FIRE RATED PARTITIONS.
8. ALL PLYWOOD USED IN PARTITIONS SHALL BE FIRE RETARDANT TREATED.
9. MULTIPLE LAYERS OF DRYWALL ARE TO BE APPLIED WITH STAGGERED JOINTS FOR ACOUSTICAL CONTROL.
10. PARTITIONS ABOVE CEILING TO BE ACOUSTICALLY SEALED AS FOLLOWS:

– GAP EQUAL TO 1/2": ACOUSTICAL SEALANT. USG FIRE CODE ACRYLIC FIRESTOP SEALANT OR APPROVED EQUAL.

– GAP FROM 1/2" UP TO 1": COMPRESSED BACKER ROD WITH ACOUSTICAL SEALANT. DAP CAULK BACKER ROD OR APPROVED EQUAL.

11. 1207.3 STRUCTURE-BORNE SOUND. FLOOR/CEILING ASSEMBLIES BETWEEN DWELLING UNITS OR BETWEEN A DWELLING UNIT AND A PUBLIC OR SERVICE AREA STAIR, EXTERIOR MECHANICAL EQUIPMENT, OR OTHER MECHANICAL EQUIPMENT SPACE, INCLUDING BOILER ROOMS, SHALL BE CONSTRUCTED OF ASSEMBLIES HAVING AN IMPACT INSULATION CLASS (IIC) RATING OF NOT LESS THAN 50 BASED UPON LABORATORY MEASUREMENTS MADE IN ACCORDANCE WITH ASTM E 492, OR NOT LESS THAN 45 IF FIELD TESTED IN ACCORDANCE WITH ASTM E 1007 IN COMPLETED CONSTRUCTION. SEE CHAPTER 30 FOR ADDITIONAL SOUND CONTROL REQUIREMENTS FOR ELEVATOR MACHINERY.

LEGEND – INTERIOR PARTITIONS



DESIGNATIONS:

1. USE 'N' WHERE NO SOUND ATTENUATION FIRE BATT INSULATION (SAFB) IS USED.
2. USE 'L' WHERE LEAD-FACED GYPSUM BOARD IS USED.
3. USE 'A' FOR ACOUSTIC SENSITIVE PARTITIONS. PROVIDE CONTINUOUS ACOUSTICAL SEALANT AT ALL JOINTS.
4. USE 'R' FOR PARTITIONS WITH REVEALS. PROVIDE 1 ADDITIONAL LAYER GYPSUM BOARD (NOT SHOWN AT PARTITION TYPES) AT FINISH SIDE FOR REVEAL CUTOUTS. SEE PARTITION DETAIL.

1014-01 MASONRY EQUIVALENT EXIT ENCLOSURES.

(A) SCOPE. THIS RULE PROVIDES THE CONSTRUCTION REQUIREMENTS FOR MASONRY EQUIVALENT EXIT ENCLOSURES IN GROUPS R-1, R-2 AND B OCCUPANCIES.
(B) REFERENCES. SEE SECTIONS 1014.2.1 (TWO EXITS AND EXIT ACCESS DOORWAYS, EXCEPTIONS 3 AND 4) AND 1019.1 (ENCLOSURES REQUIRED EXCEPTION 10) OF THE BUILDING CODE.
(C) STUD WALL CONSTRUCTION REQUIREMENTS. A MASONRY EQUIVALENT EXIT ENCLOSURE CONSTRUCTED AS STUD AND WALL BOARD ASSEMBLY SHALL SATISFY THE FOLLOWING REQUIREMENTS:
(1) PRESCRIPTIVE STUD AND WALL BOARD ASSEMBLY. A COMPLIANT WALL ASSEMBLY SHALL BE SUBSTANTIALLY IDENTICAL TO, AND SHALL PROVIDE AN IMPACT RESISTANCE EQUIVALENT TO OR EXCEEDING, THE PERFORMANCE OF ONE (1) OF THE FOLLOWING:
(I) MATERIALS. IMPACT RESISTANT WALL BOARD SHEATHED ON THE INTERIOR SURFACE OF THE EXIT ENCLOSURE WALL ASSEMBLY SHALL BE TESTED BY AN APPROVED TESTING AGENCY. THE WALL BOARD USED AS THE INTERIOR FACE PANEL SHALL BE LISTED BY AN APPROVED AGENCY TO ASTM C 1629–06, STANDARD CLASSIFICATION FOR ABUSE–RESISTANT NONDECORATED INTERIOR GYPSUM PANEL PRODUCTS AND FIBER–REINFORCED CEMENT PANELS, IMPACT CLASSIFICATION LEVEL 2, AND THE BASE LAYER PANEL SHALL BE A MINIMUM ½ INCH (16 MM) GYPSUM WALL BOARD. WALL BOARD APPLIED TO THE INTERIOR SURFACE OF THE EXIT ENCLOSURE WALL SHALL NOT REDUCE THE CLEAR WIDTH OF THE EXIT STAIRS BELOW THAT REQUIRED FOR MEANS OF EGRESS BY CHAPTER 10 OF THE BUILDING CODE.
(II) ASSEMBLY. THE WALL ASSEMBLY SHALL BE AT LEAST TWO–HOUR FIRE RESISTANCE RATED.
(III) INSTALLATION SHALL COMPLY WITH THE FOLLOWING:
(A) STUDS SHALL BE MINIMUM 3–⅝ INCH (89 MM) DEPTH COLD–FORMED STEEL FRAMING, AT LEAST 33 MILS THICK (20 GAUGE).
(B) VERTICAL STUDS SHALL BE SPACED AT A MAXIMUM DISTANCE OF 24 INCHES (610 MM), ON CENTER.
(C) RUNNERS SHALL BE SECURELY ATTACHED AT THE FLOOR AND CEILING TO STRUCTURAL ELEMENT MEMBERS AND SHALL COMPLY WITH THE STRUCTURAL REQUIREMENTS OF THE BUILDING CODE.
(D) WALL BOARDS SHALL BE ATTACHED WITH NO. 8 SELF–DRILLING BUGLE–HEAD SCREWS, 12 INCHES (305 MM), ON CENTER MAXIMUM, WITH A MINIMUM DEPTH OF ½ INCH (16 MM) PENETRATION INTO THE WALL CAVITY.
(E) JOINTS BETWEEN ADJOINING SHEETS OF WALL BOARD SHALL BE STAGGERED FROM BASE LAYER WITH FACE PANEL LAYER.
(2) PERFORMANCE–BASED REQUIREMENTS. FOR A WALL ASSEMBLY NOT CLASSIFIED IN SUBDIVISION (1) ABOVE, A MASONRY EQUIVALENT WALL ASSEMBLY SHALL SATISFY THE FOLLOWING REQUIREMENTS:
(I) MATERIALS. MATERIALS CONSTITUTING THE INTERIOR SIDE OF THE EXIT ENCLOSURE WALL ASSEMBLY SHALL BE TESTED BY AN APPROVED TESTING AGENCY TO ASTM C1629, HARD BODY IMPACT CLASSIFICATION LEVEL 3.
(II) ASSEMBLY. THE WALL ASSEMBLY SHALL HAVE A MINIMUM TWO–HOUR FIRE RESISTANCE RATING. THE WALL ASSEMBLY SHALL BE TESTED BY AN APPROVED TESTING AGENCY TO ASTM C1629, SOFT BODY IMPACT CLASSIFICATION LEVEL 2.
(III) INSTALLATION. WALL ASSEMBLIES SHALL BE ANCHORED TO STRUCTURAL MEMBERS AND SHALL COMPLY WITH THE STRUCTURAL REQUIREMENTS OF THE BUILDING CODE.

BLOCK: 759 LOT: 55

6 / 13 / 2011 20073-TITLE-2DMASTER.dwg Plotted: 10 / 8 / 2014 Kveto | 21362-TB-240R -008

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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Project

AC 320 HOTEL PARTNERS LLC
NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

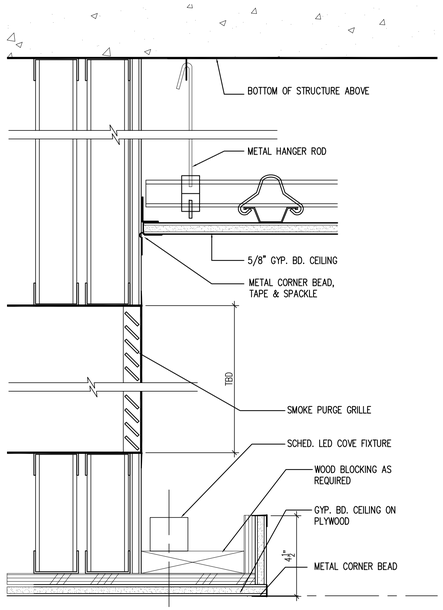
PARTITION TYPES

Drawing Number ## of

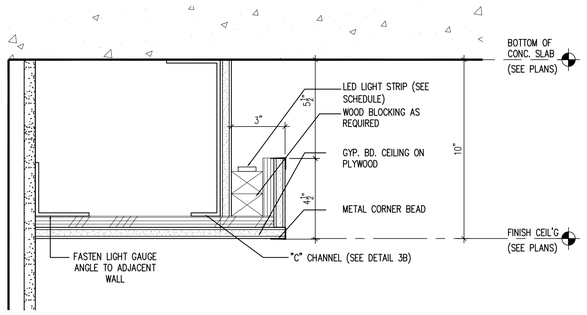
A-800.00

DOB B-Scan

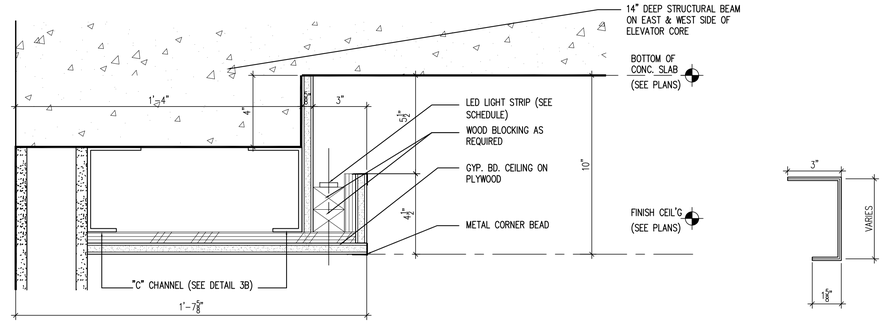
21362



1 A801 SECTION– LED COVE FIXTURE
3"=1'–0"

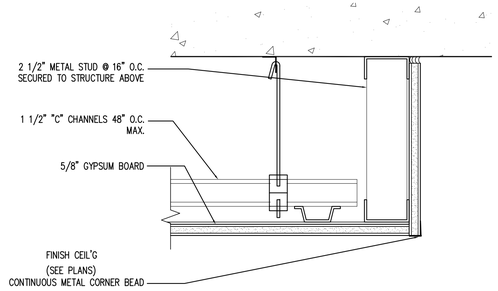


2 A801 SECTION– LED COVE FIXTURE
3"=1'–0"

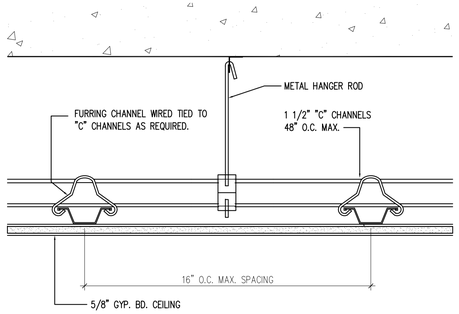


3 A801 SECTION– LED COVE AT ELEVATOR BEAM
3"=1'–0"

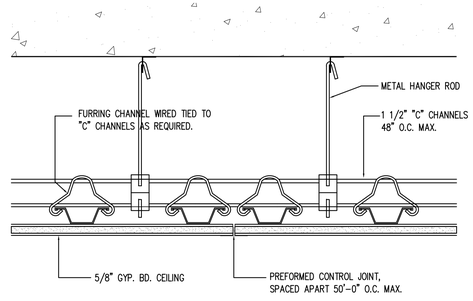
3B A801 "C" CHANNEL
6"=1'–0"



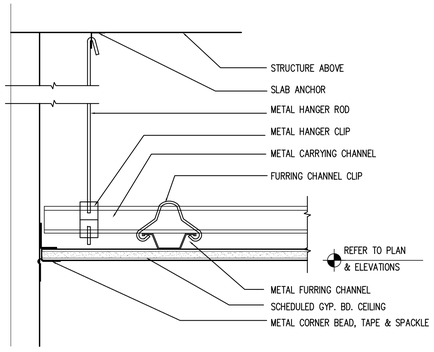
4 A801 SECTION– GYPSUM BOARD DROP SOFFIT
3"=1'–0"



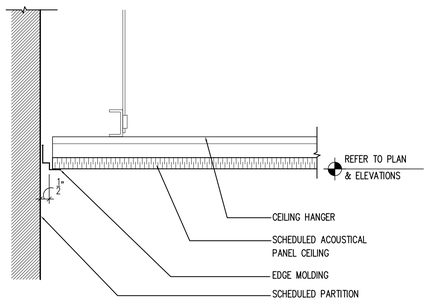
5 A801 SECTION– TYPICAL GYPSUM BOARD CEILING
3"=1'–0"



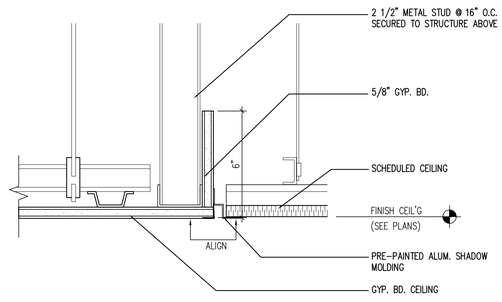
6 A801 SECTION– TYPICAL GYPSUM BOARD CEILING CONTROL JOINT
3"=1'–0"



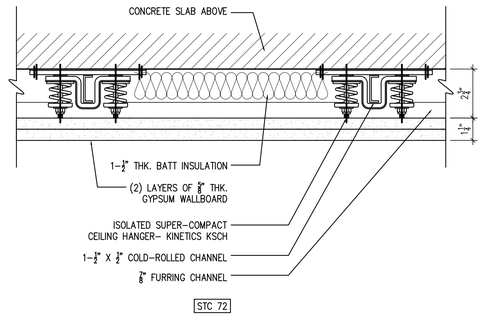
7 A801 SECTION– TYPICAL CEILING TRANSITION – G.W.B.
3"=1'–0"



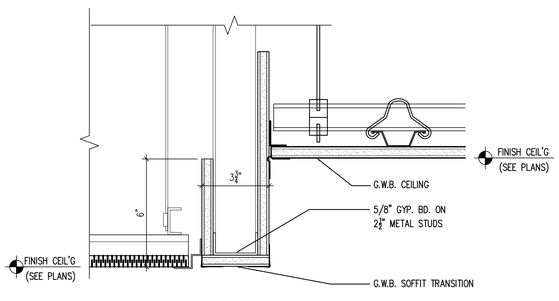
9 A801 SECTION– TYPICAL CEILING TRANSITION – A.C.T.
3"=1'–0"



11 A801 SECTION– A.C.T./GYPSUM BOARD CEILING TRANSITION
3"=1'–0"



12 A801 SECTION– ISOLATED GYPSUM BOARD CEILING
3"=1'–0"



13 A801 SECTION– G.W.B. SOFFIT TRANSITION AT A.C.T./G.W.B.
3"=1'–0"

BLOCK: 759 LOT: 55

6 / 13 / 2011 20073-TITLE-32KAD.DWG Plotted: 10 / 8 / 2014 Width: 1 20362-TB-24X36 -108

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

CEILING DETAILS

Drawing Number ## of

A-801.00

DOB B-Scan

3" = 1'0" #20681

DOOR SCHEDULE

FLOOR	DOOR NO.	ROOM NAME	LOCATION		DOOR						FRAME							LABEL	HARDWARE	HARDWARE FINISH	REMARKS
			FROM	TO	SIZE (WxHxT)	MEA NUMBER	TYPE	MATERIAL	FINISH	UNDERCUT	TYPE	MEA NUMBER	MATERIAL	FINISH	DETAILS HEAD	DETAILS JAMB	DETAILS SILL				
CELLAR	C01	UTILITY RM.	CORRIDOR	UTILITY	3'-0" X 7'-0" X 1-3/4"		A3	H.M.	PAINTED	3/8"	A2		H.M.	PAINTED	H-1	J-1	-	B (1-1/2 HR)	1.0	STANDARD	VINGCARD
	C02	UTILITY RM.	UTILITY	CORRIDOR	3'-0" X 7'-0" X 1-3/4"		A3	H.M.	PAINTED	3/8"	A2		H.M.	PAINTED	H-1	J-1	-	B (1-1/2 HR)	1.0	STANDARD	VINGCARD
	C03	UTILITY RM.	UTILITY	CORRIDOR	3'-0" X 7'-0" X 1-3/4"		A3	H.M.	PAINTED	3/8"	A2		H.M.	PAINTED	H-1	J-1	-	B (1-1/2 HR)	1.0	STANDARD	VINGCARD
	C04	IT CLOSET	IT CLOSET	CORRIDOR	(2) @ 3'-0" X 7'-0" X 1-3/4"		C3	H.M.	PAINTED	3/8"	C		H.M.	PAINTED	H-1	J-1	-	NR	2.0	STANDARD	
	C05	IT CLOSET	IT CLOSET	CORRIDOR	(2) @ 3'-0" X 7'-0" X 1-3/4"		C3	H.M.	PAINTED	3/8"	C		H.M.	PAINTED	H-1	J-1	-	NR	2.0	STANDARD	
	C06	IT CLOSET	IT CLOSET	CORRIDOR	(2) @ 3'-0" X 7'-0" X 1-3/4"		C3	H.M.	PAINTED	3/8"	C		H.M.	PAINTED	H-1	J-1	-	NR	2.0	STANDARD	
	C07	UTILITY RM.	CORRIDOR	UTILITY	3'-0" X 7'-0" X 1-3/4"		A3	H.M.	PAINTED	3/8"	A2		H.M.	PAINTED	H-1	J-1	-	B (1-1/2 HR)	1.0	STANDARD	VINGCARD
	C08	RECEIVING AREA 1	CORRIDOR	RECEIVING 1	(2) @ 2'-6" X 7'-0" X 1-3/4"		C1	H.M.	PAINTED	3/8"	C2		H.M.	PAINTED	H-1	J-1	-	B (1-1/2 HR)	3.0	STANDARD	VINGCARD
	C09	FUEL ROOM	CORRIDOR	FUEL ROOM	3'-0" X 7'-0" X 1-3/4"		A4	H.M.	PAINTED	3/8"	A3		H.M.	PAINTED	H-1	J-1	-	A (3 HR)	1.0	STANDARD	VINGCARD
	C10	COMPACTOR RM.	CORRIDOR	COMPACTOR RM.	3'-0" X 7'-0" X 1-3/4"		A3	H.M.	PAINTED	3/8"	A1		H.M.	PAINTED	H-1	J-1	-	A (3 HR)	1.0	STANDARD	VINGCARD
	C11	CORRIDOR	CORRIDOR	CORRIDOR	(2) @ 3'-0" X 7'-0" X 1-3/4"		E2	H.M.	PAINTED	3/8"	E2		H.M.	PAINTED	H-1	J1 / J-6	-	B (1-1/2 HR)	4.0	STANDARD	
	C12	RECEIVING AREA 2	CORRIDOR	RECEIVING 2	(2) @ 2'-6" X 7'-0" X 1-3/4"		C1	H.M.	PAINTED	3/8"	C2		H.M.	PAINTED	H-1	J-1	-	B (1-1/2 HR)	3.0	STANDARD	VINGCARD
	C13	STAIR CORRIDOR	CORRIDOR	STAIR CORRIDOR	3'-0" X 7'-0" X 1-3/4"		E1	H.M.	PAINTED	3/8"	A2		H.M.	PAINTED	H-1	J-1	S-5	B (1-1/2 HR)	5.0	STANDARD	VISION PANEL
	C14	CLOSET	CLOSET	CORRIDOR	(2) @ 2'-0" X 7'-0" X 1-3/4"		A3	H.M.	PAINTED	3/8"	A2		H.M.	PAINTED	H-1	J-1	-	B (1-1/2 HR)	3.3	STANDARD	VINGCARD
	C15	REF. TRASH RM.	CORRIDOR	REF. TRASH RM.	3'-0" X 7'-0" X 1-3/4"		A3	H.M.	PAINTED	3/8"	A2		H.M.	PAINTED	H-1	J-1	-	B (1-1/2 HR)	1.0	STANDARD	VINGCARD
	C16	MEN CHANGING/SHOWER	SHOWER	LOCKERS	3'-0" X 7'-0" X 1-3/4"		A1	H.M.	PAINTED	3/8"	A		H.M.	PAINTED	H-1	J-1	-	NR	8.1	STANDARD	
	C17	CORRIDOR	CORRIDOR	CORRIDOR	(2) @ 3'-0" X 7'-0" X 1-3/4"		E2	H.M.	PAINTED	3/8"	E2		H.M.	PAINTED	H-1	J-1 / J-6	-	B (1-1/2 HR)	4.0	STANDARD	
	C18	WOMEN CHANGING/SHOWER	SHOWER	LOCKERS	3'-0" X 7'-0" X 1-3/4"		A1	H.M.	PAINTED	3/8"	A		H.M.	PAINTED	H-1	J-1	-	NR	8.1	STANDARD	
	C19	BREAK ROOM	CORRIDOR	BREAK ROOM	3'-0" X 7'-0" X 1-3/4"		A2	H.M.	PAINTED	3/8"	A1		H.M.	PAINTED	H-1	J-1	-	C (3/4 HR)	1.0	STANDARD	VINGCARD
	C20	WOMENS LOCKER ROOM	BREAK ROOM	WOMENS LOCKER RM	3'-0" X 7'-0" X 1-3/4"		A1	H.M.	PAINTED	3/8"	A		H.M.	PAINTED	H-1	J-1	S-5	NR	6.0	STANDARD	
	C21	MEN'S LOCKER ROOM	BREAK ROOM	MEN'S LOCKER RM	3'-0" X 7'-0" X 1-3/4"		A1	H.M.	PAINTED	3/8"	A		H.M.	PAINTED	H-1	J-1	S-5	NR	6.0	STANDARD	
	C22	BICYCLE STORAGE	CORRIDOR	BICYLE STORAGE	3'-0" X 7'-0" X 1-3/4"		A2	H.M.	PAINTED	3/8"	A1		H.M.	PAINTED	H-1	J-1	-	C (3/4 HR)	1.0	STANDARD	VINGCARD
	C23	HOUSEKEEPING	CORRIDOR	HOUSEKEEPING	3'-0" X 7'-0" X 1-3/4"		A2	H.M.	PAINTED	3/8"	A1		H.M.	PAINTED	H-1	J-1	-	A (3 HR)	1.0	STANDARD	VINGCARD
	C24	MECHANICAL CLOSET	MECH. CLOSET	CORRIDOR	3'-0" X 7'-0" X 1-3/4"		A2	H.M.	PAINTED	3/8"	A2		H.M.	PAINTED	H-1	J-1	-	B (1-1/2 HR)	1.1	STANDARD	VINGCARD
	C25	HOUSEKEEPING	HOUSEKEEPING	CORRIDOR	3'-0" X 7'-0" X 1-3/4"		A2	H.M.	PAINTED	3/8"	A2		H.M.	PAINTED	H-1	J-1	-	C (3/4 HR)	1.0	STANDARD	VINGCARD
	C26	ADMIL OFFICE	ADMIL OFFICE	CORRIDOR	3'-0" X 7'-0" X 1-3/4"		A2	H.M.	PAINTED	3/8"	A2		H.M.	PAINTED	H-1	J-1	-	C (3/4 HR)	1.0	STANDARD	VINGCARD
	C27	ELEVATOR PIT RM.	ELELV. PIT RM.	CORRIDOR	3'-0" X 7'-0" X 1-3/4"		A2	H.M.	PAINTED	3/8"	A2		H.M.	PAINTED	H-1	J-1	-	B (1-1/2 HR)	7.0	STANDARD	
	C28	KITCHEN	KITCHEN	CORRIDOR	3'-0" X 7'-0" X 1-3/4"		E1	H.M.	PAINTED	3/8"	A2		H.M.	PAINTED	H-1	J-1	-	B (1-1/2 HR)	8.0	STANDARD	
	C29	LOCKER ROOM	KITCHEN	LOCKER ROOM	3'-0" X 7'-0" X 1-3/4"		A1	H.M.	PAINTED	3/8"	A		H.M.	PAINTED	H-1	J-1	-	NR	9.0	STANDARD	
	C30	ADA UNISEX BATHRM.	KITCHEN	ADA UNISEX BATHRM.	3'-0" X 7'-0" X 1-3/4"		A1	H.M.	PAINTED	3/8"	A		H.M.	PAINTED	H-1	J-1	S-5	NR	6.1	STANDARD	
	C31	KITCHEN	KITCHEN	STAIR CORRIDOR	3'-0" X 7'-0" X 1-3/4"		E1	H.M.	PAINTED	3/8"	A2		H.M.	PAINTED	H-1	J-1	S-5	B (1-1/2 HR)	8.0	STANDARD	VISION PANEL
	C32	WOMENS RESTROOM	WOMENS RESTRM.	WOMENS LOCKER RM.	3'-0" X 7'-0" X 1-3/4"		A1	H.M.	PAINTED	3/8"	A		H.M.	PAINTED	H-1	J-1	S-5	NR	6.0	STANDARD	
	C33	MENS RESTROOM	MENS RESTRM.	MENS LOCKER RM.	3'-0" X 7'-0" X 1-3/4"		A1	H.M.	PAINTED	3/8"	A		H.M.	PAINTED	H-1	J-1	S-5	NR	6.0	STANDARD	
	C34	ACCOUNTING	ADMIL OFFICE	ACCOUNTING	3'-0" X 7'-0" X 1-3/4"		A1	H.M.	PAINTED	3/8"	A		H.M.	PAINTED	H-1	J-1	-	NR	8.1	STANDARD	
	C35	DIRECTOR OF SALES	ADMIL OFFICE	DIRECTOR OF SALES	3'-0" X 7'-0" X 1-3/4"		A1	H.M.	PAINTED	3/8"	A		H.M.	PAINTED	H-1	J-1	-	NR	8.1	STANDARD	
	C36	HR OFFICE	ADMIL OFFICE	HR OFFICE	3'-0" X 7'-0" X 1-3/4"		A1	H.M.	PAINTED	3/8"	A		H.M.	PAINTED	H-1	J-1	-	NR	8.1	STANDARD	
	C37	G.M. OFFICE	ADMIL OFFICE	G.M. OFFICE	3'-0" X 7'-0" X 1-3/4"		A1	H.M.	PAINTED	3/8"	A		H.M.	PAINTED	H-1	J-1	-	NR	8.1	STANDARD	
	C38	POWDER ROOM	ADMIL OFFICE	POWDER ROOM	3'-0" X 7'-0" X 1-3/4"		A1	H.M.	PAINTED	3/8"	A		H.M.	PAINTED	H-1	J-1	S-5	NR	6.2	STANDARD	
	C39	HK OFFICE	HK OFFICE	HOUSEKEEPING	3'-0" X 7'-0" X 1-3/4"		A1	H.M.	PAINTED	3/8"	A		H.M.	PAINTED	H-1	J-1	-	NR	8.1	STANDARD	
	C40	STAIR CORRIDOR	CORRIDOR	STAIR CORRIDOR	3'-0" X 7'-0" X 1-3/4"		E1	H.M.	PAINTED	3/8"	A2		H.M.	PAINTED	H-1	J-1	S-5	B (1-1/2 HR)	5.0	STANDARD	VISION PANEL
	C41	BREAK ROOM	CORRIDOR	BREAK ROOM	3'-0" X 7'-0" X 1-3/4"		A2	H.M.	PAINTED	3/8"	A1		H.M.	PAINTED	H-1	J-1	-	C (3/4 HR)	1.0	STANDARD	VINGCARD
	C42	MATERIAL LIFT	MATERIAL LIFT	RECEIVING AREA 1	3'-0" X 7'-0" X 1-3/4"		A2	H.M.	PAINTED	3/8"	A2		H.M.	PAINTED	H-1	J-1	-	B (1-1/2 HR)	7.0	STANDARD	
	C43	MATERIAL LIFT	MATERIAL LIFT	RECEIVING AREA 2	3'-0" X 7'-0" X 1-3/4"		A2	H.M.	PAINTED	3/8"	A2		H.M.	PAINTED	H-1	J-1	-	B (1-1/2 HR)	7.0	STANDARD	
FIRST FLOOR	101	HOTEL VESTIBULE	HOTEL VESTIBULE	STREET	3'-6" X 7'-0" X 1-3/4"		D2	AL/GLASS	ANODIZED	3/8"	-		ALUM.	-	-	-	S-11	NR	10.0		REQUIRED WEATHER SEALS: VINGCARD
	102	HOTEL VESTIBULE	HOTEL LOBBY/LOUNGE	HOTEL VESTIBULE	3'-6" X 7'-0" X 1-3/4"		D2	AL/GLASS	ANODIZED	3/8"	-		ALUM.	-	-	-	S-11	NR	11.0		REQUIRED WEATHER SEALS
	103	HOTEL REVOLVING DOOR	HOTEL LOBBY/LOUNGE	STREET	7'-0" DIA. X 7'-0" H.		F	AL/GLASS	ANODIZED	-	-		ALUM.	-	-	-	-	NR	12.0		REQUIRED WEATHER SEALS
	104	STAIR D	STAIR D	STREET	3'-0" X 7'-4" X 1-3/4"		A3	SOLID CORE	P.LAM.	3/8"	A2		H.M.	PAINTED	H-1	J-1	S-6	B (1-1/2 HR)	13.0	STANDARD	REQUIRED WEATHER SEALS
	105	FRONT OFFICE	HOTEL LOBBY/LOUNGE	FRONT OFFICE	3'-0" X 7'-4" X 1-3/4"		A1	SOLID CORE	P.LAM.	3/8"	A		H.M.	PAINTED	H-1	J-1	-	NR	1.0	SATIN CHROME	VINGCARD
	106	BAGGAGE STORAGE	BAGGAGE STORAGE	HOTEL LOBBY/LOUNGE	3'-0" X 7'-4" X 1-3/4"		A1	SOLID CORE	P.LAM.	3/8"	A		H.M.	PAINTED	H-1	J-1	-	NR	1.1	SATIN CHROME	VINGCARD
	107	ADA UNISEX BATHROOM	HOTEL LOBBY/LOUNGE	ADA UNISEX BATH	3'-0" X 7'-4" X 1-3/4"		A1	SOLID CORE	P.LAM.	3/8"	A		H.M.	PAINTED	H-1	J-1	S-9	NR	6.1	SATIN CHROME	NO CLOSER
	108	HOTEL LOBBY/LOUNGE	HOTEL LOBBY/LOUNGE	OUTDOOR TERRACE	3'-0" X 8'-0" X 1-3/4"		D2	AL/GLASS	ANODIZED	-	-		ALUM.	-	-	-	S-11	NR	14.0	SATIN CHROME	REQUIRED WEATHER SEALS
	109	HOTEL LOBBY/LOUNGE	HOTEL LOBBY/LOUNGE	RESTAURANT CORR.	3'-0" X 7'-4" X 1-3/4"		E1	SOLID CORE	P.LAM.	3/8"	A2		H.M.	PAINTED	-	-	S-5	B (1-1/2 HR)	1.0	SATIN CHROME	VISION PANEL: VINGCARD
	110	STAIR C	STAIR C	STREET	3'-0" X 7'-4" X 1-3/4"		A3	H.M.	PAINTED	3/8"	A2		H.M.	PAINTED	H-1	J-1	S-6	B (1-1/2 HR)	13.0		REQUIRED WEATHER SEALS
	111	RESTAURANT VESTIBULE	RESTAURANT VEST.	STREET	3'-6" X 7'-0" X 1-3/4"		D2	AL/GLASS	ANODIZED	3/8"	-		ALUM.	-	-	-	S-11	NR	10.1		REQUIRED WEATHER SEALS
	112	RESTAURANT VESTIBULE	RESTUARANT	RESTAURANT VEST.	3'-6" X 7'-0" X 1-3/4"		D2	AL/GLASS	ANODIZED	3/8"	-		ALUM.	-	-	-	S-11	NR	11.0		REQUIRED WEATHER SEALS
	113	RESTAURANT REVOLVING DOOR	RESTAURANT	STREET	7'-0" DIA. X 7'-0" H.		F	AL/GLASS	ANODIZED	-	-		ALUM.	-	-	-	-	NR	12.0		REQUIRED WEATHER SEALS
	114	RESTAURANT CORRIDOR	RESTAURANT CORR.	OUTDOOR TERRACE	3'-0" X 7'-0" X 1-3/4"		D2	AL/GLASS	ANODIZED	3/8"	-		ALUM.	-	-	-	-	NR	14.1		REQUIRED WEATHER SEALS
	116	STAIR E	STAIR E	RESTAURANT CORR.	(2) @ 3'-0" X 7'-4" X 1-3/4"		E2	SOLID CORE	P.LAM.	3/8"	E2		H.M.	PAINTED	H-1	J-1 / J-6	-	B (1-1/2 HR)	4.0	SATIN CHROME	VISION PANEL
	118	RESTROOM #1	CORRIDOR	RESTROOM #1	3'-0" X 7'-4" X 1-3/4"		A1	SOLID CORE	P.LAM.	3/8"	A1		H.M.	PAINTED	H-1	J-1	S-9	NR	6.1	SATIN CHROME	
	119	RESTROOM #2	CORRIDOR	RESTROOM #2	3'-0" X 7'-4" X 1-3/4"		A1	SOLID CORE	P.LAM.	3/8"	A1		H.M.	PAINTED	H-1	J-1	S-9	NR	6.1	SATIN CHROME	
	120	RESTROOM #3	CORRIDOR	RESTROOM #3	3'-0" X 7'-4" X 1-3/4"		A1	SOLID CORE	P.LAM.	3/8"	A1		H.M.	PAINTED	H-1	J-1	S-9	NR	6.1	SATIN CHROME	
	121	ADA RESTROOM	CORRIDOR	ADA RESTROOM	3'-0" X 7'-4" X 1-3/4"		A1	SOLID CORE	P.LAM.	3/8"	A1		H.M.	PAINTED	H-1	J-1	S-9	NR	6.1	SATIN CHROME	
GUEST ROOMS (FROM 2ND FLOOR TO 35TH FLOOR)	X1	FIRE STAIR	CORRIDOR	FIRE STAIR	3'-0" X 7'-4" X 1-3/4"		E1	SOLID CORE	P.LAM.	3/8"	A2		H.M.	PAINTED	H-1	J-1	S-1A	B (1-1/2 HR)	5.0	SATIN CHROME	VISION PANEL
	X3	HKPG. CLOSET	HKPG. CLOSET	CORRIDOR	(1) @ 3'-0" X 7'-4" X 1-3/4" (1) @ 2'-10" X 7'-4" X 1-3/4"		C4	SOLID CORE	P.LAM.	3/8"	E1		H.M.	PAINTED	H-1	J-1 / J-6	S-1A	C (3/4 HR)	1.3	SATIN CHROME	VINGCARD
	X4	CORRIDOR	CORRIDOR	CORRIDOR	3'-0" X 7'-4" X 1-3/4"		E1	SOLID CORE	P.LAM.	3/8"	A2		H.M.	PAINTED	H-1	J-4	-	B (1-1/2 HR)	5.0	SATIN CHROME	
	X5	FITNESS CENTER	FITNESS CENTER	CORRIDOR	3'-0" X 7'-4" X 1-3/4"		D2	AL/GLASS	ANODIZED	3/8"	A2		ALUM.	-	H-5	J-5	S-1	NR	10.3	SATIN CHROME	VINGCARD
	X6	UNISEX RESTROOM	FITNESS CENTER	UNISEX BATHRM.	3'-0" X 7'-4" X 1-3/4"		A3	SOLID CORE	P.LAM.	3/8"	A2		H.M.	PAINTED	H-1	J-1	S-9	NR	6.1	SATIN CHROME	
	X7	MECHANICAL RM.	CORRIDOR	MECH.RM.	3'-0" X 7'-4" X 1-3/4"		A3	SOLID CORE	P.LAM.	3/8"	A2		H.M.	PAINTED	H-1	J-1	S-1A	B (1-1/2 HR)	1.0	SATIN CHROME	VINGCARD
	X8	MECHANICAL RM.	CORRIDOR	MECH.RM.	3'-0" X 7'-4" X 1-3/4"		A3	SOLID CORE	P.LAM.	3/8"	A2		H.M.	PAINTED	H-1	J-1	S-1A	B (1-1/2 HR)	1.2	SATIN CHROME	VINGCARD
	X9	MECHANICAL RM.	MECH.RM.	MECH.RM.	3'-0" X 7'-4" X 1-3/4"		A1	H.M.	PAINTED	3/8"	A		H.M.	PAINTED	H-1	J-1	-	NR	1.0	SATIN CHROME	VINGCARD
	X12	STORAGE	STORAGE	LRG. CONFERENCE RM.	3'-0" X 7'-4" X 1-3/4"		A1	SOLID CORE	P.LAM.	3/8"	A2		H.M.	PAINTED	H-1	J-1	-	NR	8.1	SATIN CHROME	
	X13	LARGE CONFERENCE ROOM	LRG.CONFERENCE RM.	CORRIDOR	(2) @ 3'-0" X 7'-4" X 1-3/4"		B7	SOLID CORE	P.LAM.	3/8"	A2		H.M.	PAINTED	H-1	J-1	S-1	B (1-1/2 HR)	8.0	SATIN CHROME	PANIC HARDWARE
	X14	LARGE CONFERENCE ROOM	LRG.CONFERENCE RM.	CORRIDOR	3'-0" X 7'-4" X 1-3/4"		A3	SOLID CORE	P.LAM.	3/8"	C2		H.M.	PAINTED	H-1	J-1	S-1	B (1-1/2 HR)	16.0	SATIN CHROME	
	X15	SMALL CONFERENCE ROOM	CORRIDOR	SML. CONFERENCE RM.	3'-0" X 7'-4" X 1-3/4"		A3	SOLID CORE	P.LAM.	3/8"	A2		H.M.	PAINTED	H-1	J-1	S-1	B (1-1/2 HR)	8.0	SATIN CHROME	
	X16	PANTRY	PANTRY	CORRIDOR	3'-0" X 7'-4" X 1-3/4"		A3	SOLID CORE	P.LAM.	3/8"	A2		H.M.	PAINTED	H-1	J-1	S-1A	B (1-1/2 HR)	1.0	SATIN CHROME	VINGCARD
	X17	HOUSEKEEPING CLOSET	HKPG. CLOSET	CORRIDOR	3'-0" X 7'-4" X 1-3/4"		C4	SOLID CORE	P.LAM.	3/8"	A1		H.M.	PAINTED	H-1	J-1	S-1A	C (3/4 HR)	1.1	SATIN CHROME	VINGCARD
	X18	ELECTRICAL CLOSET	ELECTRICAL CLOSET	CORRIDOR	3'-0" X 7'-4" X 1-3/4"		A3	SOLID CORE	P.LAM.	3/8"	A2		H.M.	PAINTED	H-1	J-1	S-1A	B (1-1/2 HR)	3.0	SATIN CHROME	VINGCARD
	X19	ELECTRICAL CLOSET	ELECTRICAL CLOSET	CORRIDOR	(2) @ 3'-0" X 7'-4" X 1-3/4"		B7	SOLID CORE	P.LAM.	3/8"	C2		H.M.	PAINTED	H-1	J-1	S-1A	B (1-1/2 HR)	3.0	SATIN CHROME	VINGCARD
	X20	LARGE CONFERENCE ROOM	LRG. CONFERENCE RM.	SML. CONFERENCE RM.	(2) @ 4'-0" X 9'-0" X 2-1/2"			SOLID CORE	P.LAM.	3/8"			WD	PAINTED				B (1-1/2 HR)			
	E1	ELEVATOR CAB #1	CORRIDOR	ELEVATOR CAB #1	3'-0" X 7'-4"		-	H.M.	-	-	-		-	-	-	-	-	1-1/2 HR			BY ELEVATOR MANUFACTURER
	E2	ELEVATOR CAB #2	COORIDOR	ELEVATOR CAB #2	3'-0" X 7'-4"		-	H.M.	-	-	-		-	-	-	-	-	1-1/2 HR			BY ELEVATOR MANUFACTURER
	E3	ELEVATOR CAB #3	COORIDOR	ELEVATOR CAB #3	3'-0" X 7'-4"		-	H.M.	-	-	-		-	-	-	-	-	1-1/2 HR			BY ELEVATOR MANUFACTURER
	G1	TYP. GUEST ROOM	CORRIDOR	GUEST ROOM	3'-0" X 7'-4" X 1-3/4"		B1	SOLID CORE	P.LAM.	3/8"	A1		H.M.	PAINTED	H-1	J-1A	S-2	C (3/4 HR)	17.0	SATIN CHROME	VINGCARD
	G1A	TYP. ADA GUEST RM.	CORRIDOR	GUEST ROOM	3'-0" X 7'-4" X 1-3/4"		B1	SOLID CORE	P.LAM.	3/8"	A1		H.M.	PAINTED	H-1	J-1A	S-2	C (3/4 HR)	17.1	SATIN CHROME	VINGCARD
	G3	BATHROOM	BATH	VESTIBULE	2'-11" X 7'-5" X 1-3/4"		B5	SOLID CORE	P.LAM.	3/4"	B		WD.	PAINTED	H-1	J-1	-	NR	18.0	SATIN CHROME	
	G3A	BATHROOM	BATH	VESTIBULE/BEDRM.	2'-9 1/2" X 7'-5" X 1-3/4"		B5	SOLID CORE	P.LAM.	3/4"	B		WD.	PAINTED	H-2	J-7	S-10	NR	18.0	SATIN CHROME	
	G3B	ADA BATHROOM	ADA BATH	VESTIBULE	3'-3" X 7'-5" X 1-3/4"		B5	SOLID CORE	P.LAM.	3/4"	B		WD.	PAINTED	H-2	J-2	S-10	NR	18.0	SATIN CHROME	
	G3C	POWDER ROOM	POWDER RM.	VESTIBULE	2'-8" X 7'-5" X 1-3/4"		B4	SOLID CORE	P.LAM.	3/4"	B		WD.	PAINTED	H-3	J-3	-	NR	19.0	SATIN CHROME	
	G3D	BATHROOM	BATH	VESTIBULE	2'-11" X 7'-5" X 1-3/4"		B5	SOLID CORE	P.LAM.	3/4"	B		WD.	PAINTED	H7	J-2	S-10	NR	18.0	SATIN CHROME	EXPOSED TRACK
	G3E	BATHROOM	BATH	BEDROOM	2'-9 1/2" X 7'-5" X 1-3/4"		B5	SOLID CORE	P.LAM.	3/4"	B		WD.	PAINTED	H-2	J-8	S-10	NR	18.0	SATIN CHROME	
	G3F	BATHROOM	BATH	BEDROOM	2'-9 1/2" X 7'-5" X 1-3/4"		B5	SOLID CORE	P.LAM.	3/4"	B		WD.	PAINTED	H-7	J-8	S-10	NR	18.0	SATIN CHROME	EXPOSED TRACK
	G4	CONNECTING RM.	GUEST ROOM	GUEST ROOM	(2) @ 3'-0" X 7'-4" X 1-3/4"		B6	SOLID CORE	P.LAM.	3/8"	A1		H.M.	PAINTED	H-1	J-1A	-	C (3/4 HR)	20.0	SATIN CHROME	
	G5	BEDROOM	LIVING ROOM	BEDROOM	3'-6" X 7'-5" X 1-3/4"		B4	SOLID CORE	P.LAM.	3/8"	B		WD.	PAINTED	H-3	J-3	-	NR	21.0	SATIN CHROME	
	G5A	ADA BEDROOM	LIVING ROOM	BEDROOM	3'-2" X 7'-5" X 1-3/4"		B4	SOLID CORE	P.LAM.	3/8"	B		WD.	PAINTED	H-3	J-3	-	NR	21.0	SATIN CHROME	
ROOF	R1	FIRE STAIR	FIRE STAIR	ROOF	3'-0" X 7'-0" X 1-3/4"		A5	H.M.	PAINTED	3/8"	A2		H.M.	PAINTED	H-1	J-1	S-8A	B (1-1/2 HR)	5.1	SATIN CHROME	VISION PANEL / REQUIRED WEATHER SEALS
	R2	MECHANICAL LEVEL 1	MECH. LEVEL 1	ROOF	(2) @ 3'-0" X 7'-0" X 1-3/4"		C2	H.M.	PAINTED	3/8"	C2		H.M.	PAINTED	H-1	J-1	S-8	B (1-1/2 HR)	2.1	SATIN CHROME	REQUIRED WEATHER SEALS
UPPER ROOF	R3	MECHANICAL LEVEL 2	EXTERIOR STAIR	MECH. LEVEL 2	3'-0" X 7'-0" X 1-3/4"		A5	H.M.	PAINTED	3/8"	A2		H.M.	PAINTED	H-1	J-1	S8A	B (1-1/2 HR)	7.1	STANDARD	REQUIRED WEATHER SEALS

BLOCK: 759 LOT: 55

6 / 13 / 2011 21073-TITLE-30X42.DWG Plotted: 10 / 8 / 2014 by eds | 2362-1B-DOR - DOB

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.26.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

1

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Seal

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NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

DOOR SCHEDULE

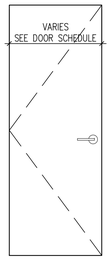
Drawing Number ## of

A-900.00

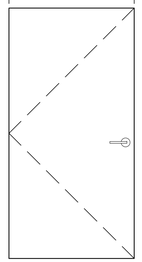
DOB B-Scan

21362

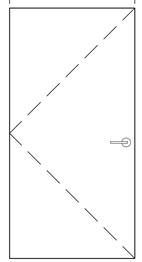
DOOR TYPES



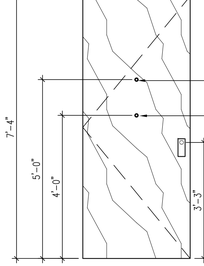
TYPE A1, A2, A3, A4 – H.M.
PAINTED HOLLOW METAL WELDED DOOR
A1 – NON–RATED
A2 – 3/4 HR RATED / SELF CLOSING
A3 – 1–1/2 HR RATED / SELF CLOSING
A4 – 3 HR RATED / SELF CLOSING



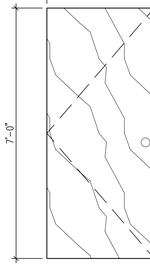
TYPE A5 – H.M.
1–1/2 HR RATED
EXTERIOR DOOR
WEATHER SEALED
SELF CLOSING
PAINTED HOLLOW METAL WELDED DOOR



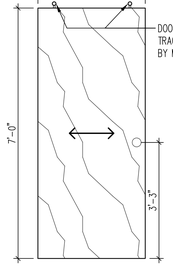
TYPE A6 – H.M.
1–1/2 HR RATED
EXTERIOR DOOR
SELF CLOSING
PAINTED HOLLOW METAL WELDED DOOR



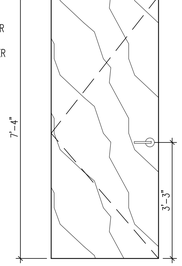
TYPE B1 – SOLID CORE PLASTIC LAMINATE
3/4 HR FIRE–RATED
W/ FIREPROOF SELF CLOSING HARDWARE
SOLID CORE / BEVELED PLASTIC LAMINATED DOOR



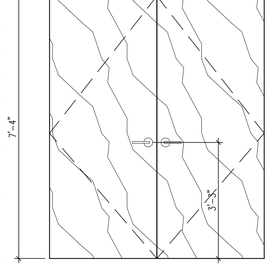
TYPE B4 – WOOD
NON–RATED
SOLID CORE / BEVELED WOOD BARN DOOR



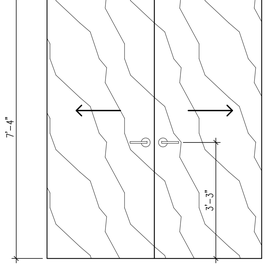
TYPE B5 – WOOD
NON–RATED
SOLID CORE BEVELED WOOD BARN DOOR



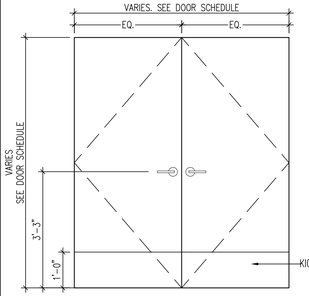
TYPE B6 – WOOD
1–1/2 HR RATED
SOLID CORE / BEVELED WOOD CONNECTING DOOR



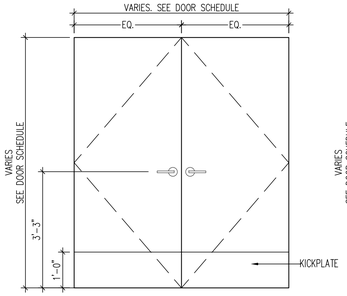
TYPE B7 – WOOD
SOLID CORE / BEVELED WOOD CONNECTING DOOR



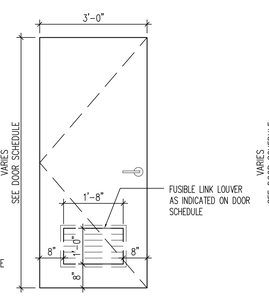
TYPE B8 – WOOD
SOLID CORE / BEVELED WOOD CONNECTING DOOR



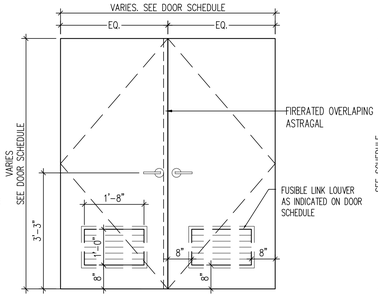
TYPE C1 – DOUBLE H.M.
1–1/2 HR RATED
PAINTED HOLLOW METAL DOOR
SELF CLOSING



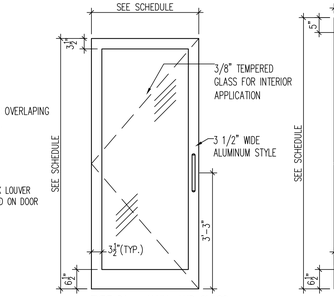
TYPE C2 – DOUBLE H.M.
1–1/2 HR RATED
EXTERIOR DOOR
WEATHER SEALED
SELF CLOSING
PAINTED HOLLOW METAL DOOR



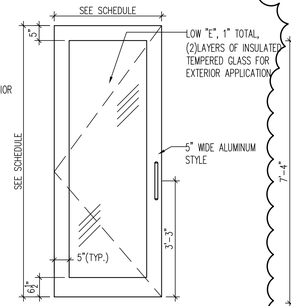
TYPE C3, C4, C5 – H.M.
PAINTED HOLLOW METAL WELDED DOORS
C3 – NON–RATED
C4 – 3/4 HR RATED / SELF CLOSING
C5 – 1–1/2 HR RATED / SELF CLOSING



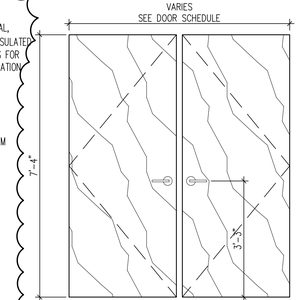
TYPE C6, C7, C8 – DOUBLE H.M.
PAINTED HOLLOW METAL WELDED DOORS
C6 – NON–RATED
C7 – 3/4 HR RATED / SELF CLOSING
C8 – 1–1/2 HR RATED / SELF CLOSING



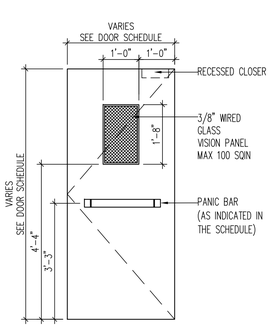
TYPE D1 – ALUM. AND GLASS
ALUMINUM AND GLASS DOOR MODEL 350 MEDIUM STILE BY KAWNEER



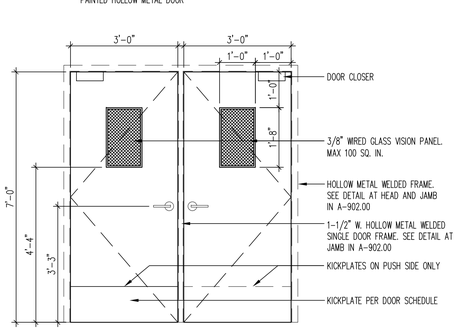
TYPE D2 – ALUM. AND GLASS
ALUMINUM AND GLASS DOOR MODEL 500 WIDE STILE BY KAWNEER



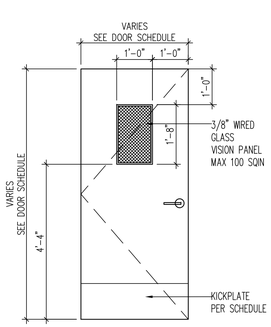
TYPE B9 – WOOD
SOLID CORE / BEVELED WOOD ELECTRICAL CLOSET



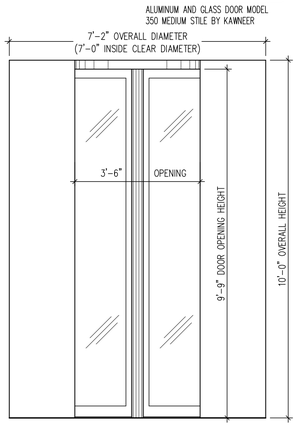
TYPE E1 – H.M.
PAINTED HOLLOW METAL DOOR
1–1/2 HR RATED
1'–0" X 1'–8" VISION PANEL
SELF CLOSING DOOR



TYPE E2 – H.M.
1–1/2 HR RATED
PAINTED HOLLOW METAL DOOR
1' X 1'–8" VISION PANEL
MAGNETIC HOLD OPEN
SELF CLOSING DOOR

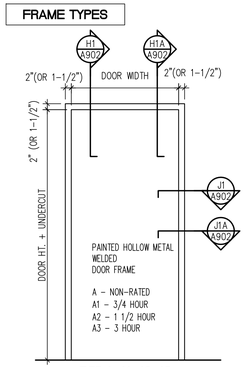


TYPE E3 – H.M.
PAINTED HOLLOW METAL DOOR
NON–RATED
1'–0" X 1'–8" VISION PANEL
SELF CLOSING DOOR

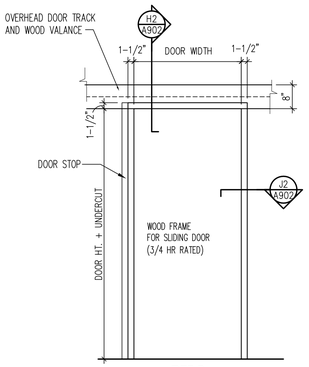


TYPE F – ALUMN & GLASS
AUTOMATIC REVOLVING DOOR BY BOON EDAM
TYPE TQA 7'–0" / INSIDE DIAMETER (NON ADA)

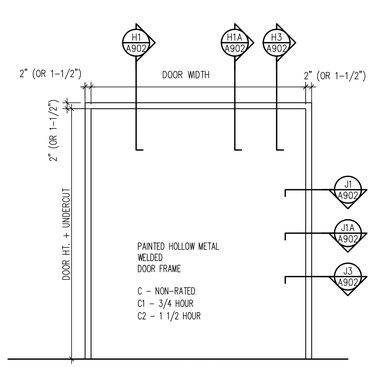
FRAME TYPES



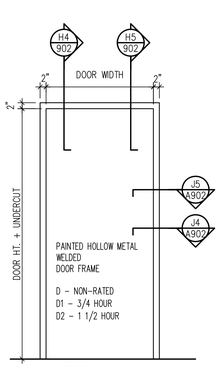
TYPE A, A1, A2, A3



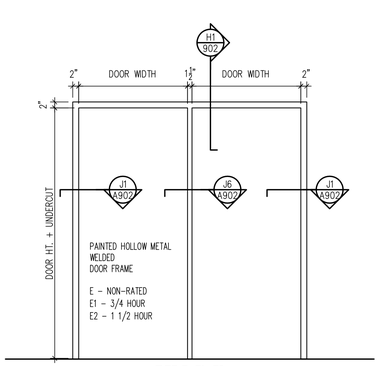
TYPE B



TYPE C, C1, C2



TYPE D, D1, D2



TYPE E, E1, E2

HOLLOW METAL FRAME NOTES:
1. ALL HOLLOW METAL FRAMES @ GUEST ROOM FLOORS (2 TO 18TH) SHALL BE 1–1/2" DEEP; SEE A902 J1A/ H1A A900 SCHEDULE FOR DETAILS.

2. THE REMAINING HOLLOW METAL FRAMES FROM NOTE 1 ARE REGULAR 2" DEEP FRAMING DETAIL –SEE A902 J1/H1 AND A900 FOR DETAILS.

6 / 13 / 2011 21073–TITLE–SDX42.DWG Plotted: 10 / 8 / 2014 levelc | 21362–TB–24X36 –COB

Issue Record

02.28.2014	D.O.B. SUBMISSION
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05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

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Seal

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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

DOOR AND FRAME TYPES

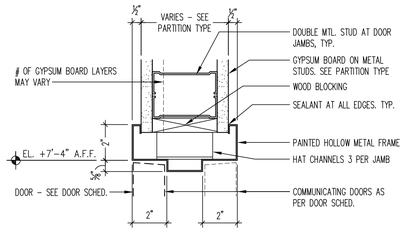
Drawing Number ## of

A-901.00

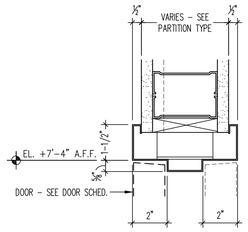
DOB B-Scan

21362

HEAD TYPES

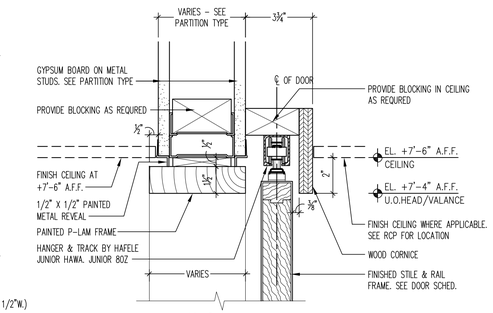


H-1

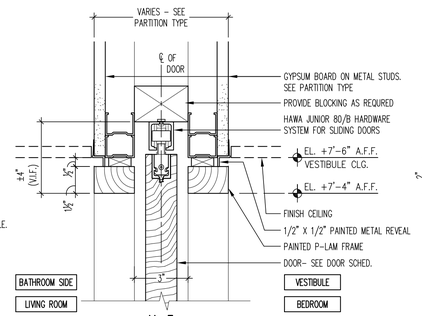


H-1A

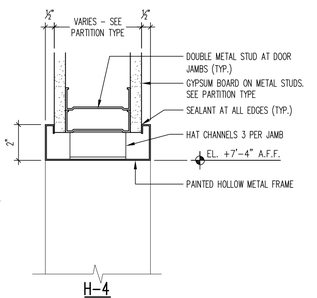
(SIMILAR TO TYPE H-1, FRAME WIDTH: 1 1/2"W.)



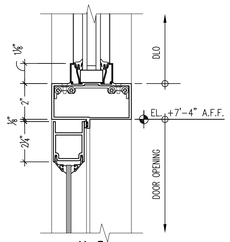
H-2



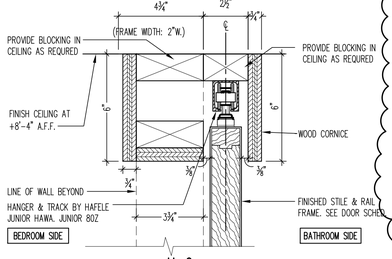
H-3



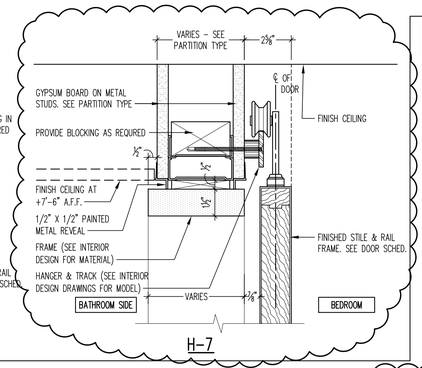
H-4



H-5

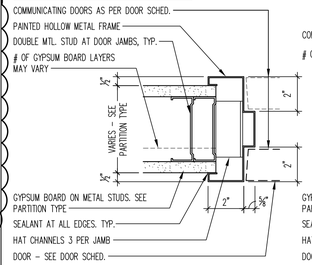


H-6



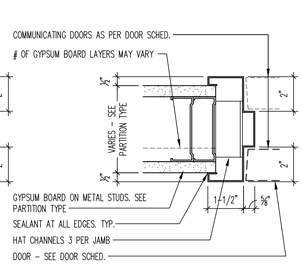
H-7

JAMB TYPES



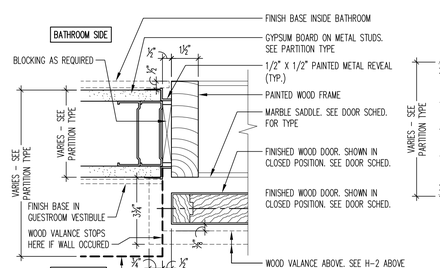
J-1

(FRAME WIDTH: 2"W.)

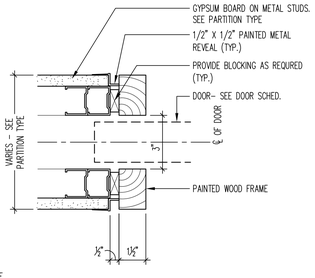


J-1A

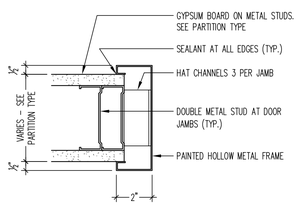
(SIMILAR TO TYPE H-1, FRAME WIDTH: 1 1/2"W.)



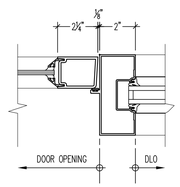
J-2



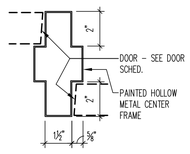
J-3



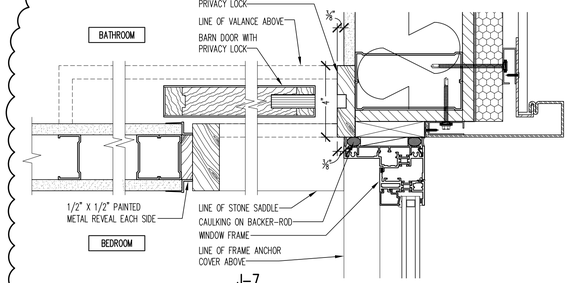
J-4



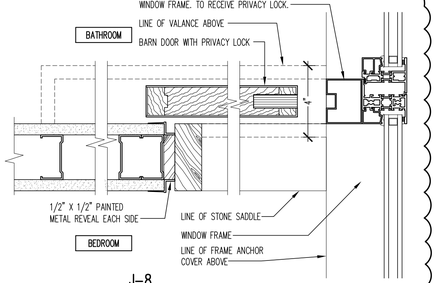
J-5



J-6

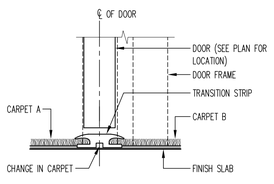


J-7

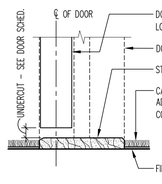


J-8

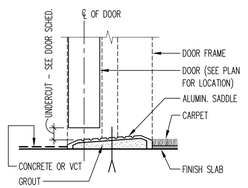
SILL TYPES



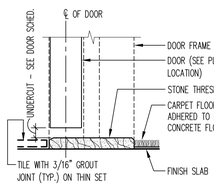
S-1 CARPET TO CARPET



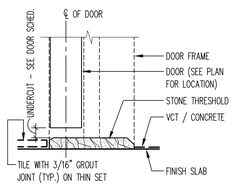
S-2 CARPET TO CARPET



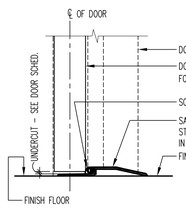
S-3 CONCRETE / VCT TO CARPET



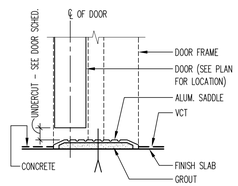
S-4 TILE TO CARPET



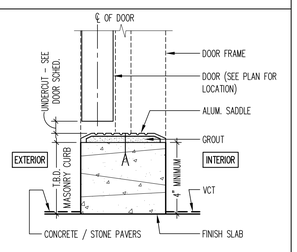
S-5 TILE TO CONC. / VCT OR CONC.



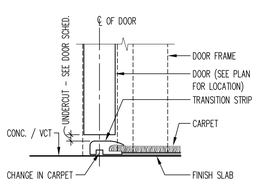
S-6 WEATHERPROOF



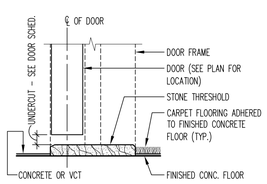
S-7 CONCRETE TO VCT



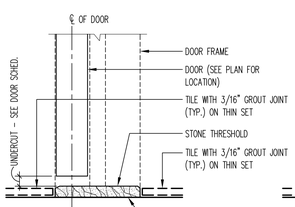
S-8 CONCRETE TO VCT



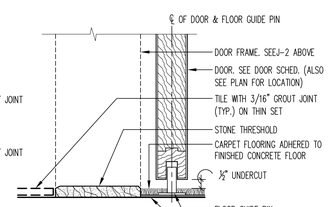
S-1A CARPET TO CONC. / VCT



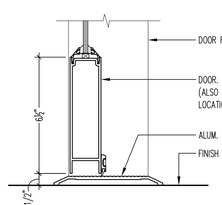
S-2A CONCRETE TO CARPET



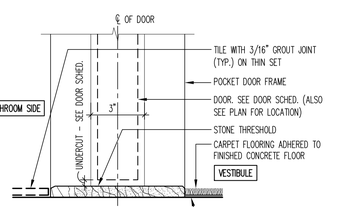
S-9 TILE TO TILE



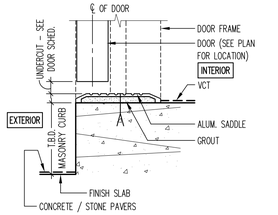
S-10 TILE TO CARPET



S-11 ALUM EXTERIOR TRESHOLD



S-12 TILE TO CARPET



S-8A CONCRETE TO VCT

SILL NOTES:

1. REFER TO "I0" DRAWINGS SCHEDULE FOR EXACT FLOOR FINISHES.
2. MAXIMUM HEIGHT FOR SILLS SHALL NOT BE MORE THEN 1/2"

6/13/2011 21073-TITLE-2DXA12WC Plotted: 10/8/2014 Xrefs: 21362-TB-2ADR -DOB

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DOOR HEAD, JAMB, AND SILL TYPES

Drawing Number ## of

A-902.00

DOB B-Scan

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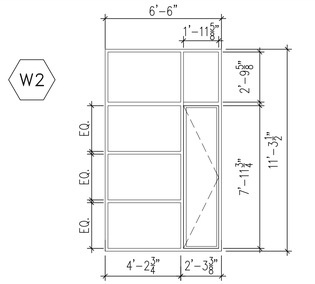
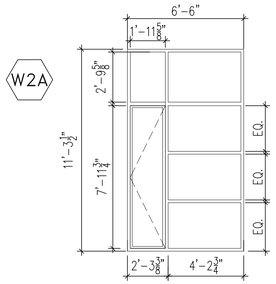
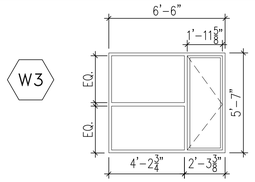
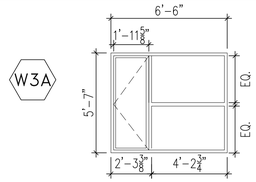
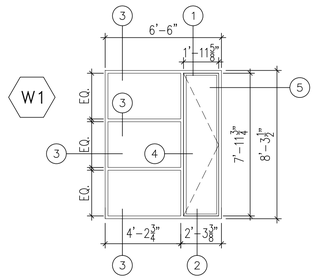
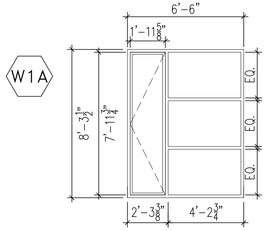


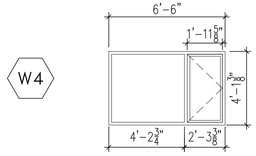


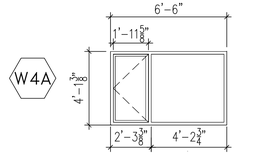




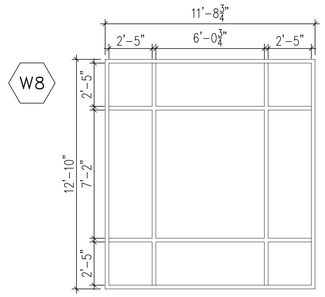


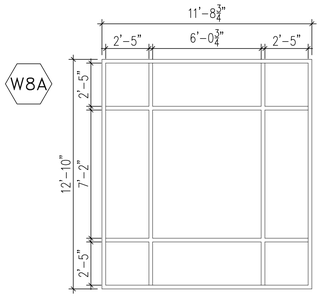




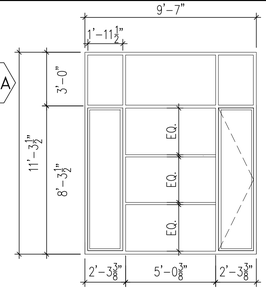


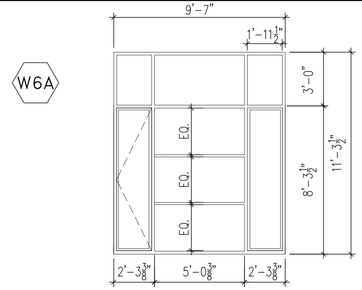
1 FRONT ELEVATION WINDOWS
SCALE : 1/4" = 1'0"

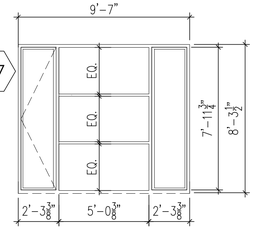


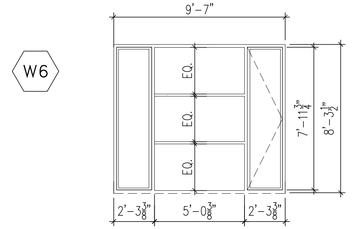


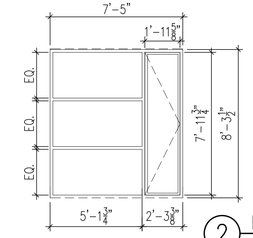
3 FRONT ELEVATION – STREET WALL WINDOWS
SCALE : 1/4" = 1'0"

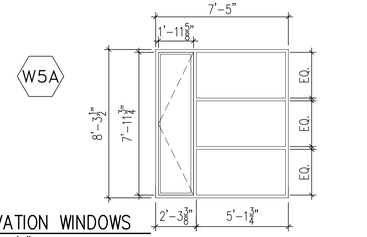












2 REAR ELEVATION WINDOWS
SCALE : 1/4" = 1'0"

WINDOW SCHEDULE

TYPE	NOMINAL WINDOW SIZE W X H	MATERIAL	TYPE	FINISH	GLAZING	OPERABLE SIDE (FROM ELEV SIDE)	U-VALUE
W1	6' - 6" x 8 '-3 1/2"	ANOD. ALUM.	CASEMENT & FIXED	CLEAR	1.5" THERMAL, OITC 31 DBA	RIGHT SIDE	0.6
W1A	6' - 6" x 8' - 3 1/2"	ANOD. ALUM.	CASEMENT & FIXED	CLEAR	1.5" THERMAL, OITC 31 DBA	LEFT SIDE	0.6
W2	6' - 6" X 11' - 3 1/2"	ANOD. ALUM.	CASEMENT & FIXED	CLEAR	1.5" THERMAL, OITC 31 DBA	RIGHT SIDE	0.6
W2A	6' - 6" X 11' - 3 1/2"	ANOD. ALUM.	CASEMENT & FIXED	CLEAR	1.5" THERMAL, OITC 31 DBA	LEFT SIDE	0.6
W3	6' - 6" X 5 '- 7"	ANOD. ALUM.	CASEMENT & FIXED	CLEAR	1.5" THERMAL, OITC 31 DBA	RIGHT SIDE	0.6
W3A	6' - 6" X 5 '- 7"	ANOD. ALUM.	CASEMENT & FIXED	CLEAR	1.5" THERMAL, OITC 31 DBA	LEFT SIDE	0.6
W4	6' - 6" X 6' - 4"	ANOD. ALUM.	CASEMENT & FIXED	CLEAR	1.5" THERMAL, OITC 31 DBA	RIGHT SIDE	0.6
W4A	6' - 6" X 6' - 4"	ANOD. ALUM.	CASEMENT & FIXED	CLEAR	1.5" THERMAL, OITC 31 DBA	LEFT SIDE	0.6
W5	7' - 5" X 8' - 3 1/2"	ANOD. ALUM.	CASEMENT & FIXED	CLEAR	1.5" THERMAL, OITC 31 DBA	RIGHT SIDE	0.6
W5A	7' - 5" X 8' - 3 1/2"	ANOD. ALUM.	CASEMENT & FIXED	CLEAR	1.5" THERMAL, OITC 31 DBA	LEFT SIDE	0.6
W6	9' - 7" X 8'- 3 1/2"	ANOD. ALUM.	CASEMENT & FIXED	CLEAR	1.5" THERMAL, OITC 31 DBA	RIGHT SIDE	0.6
W6A	9' - 7" X 11' - 3 1/2"	ANOD. ALUM.	CASEMENT & FIXED	CLEAR	1.5" THERMAL, OITC 31 DBA	LEFT SIDE	0.6
W7	9' - 7" X 8'- 3 1/2"	ANOD. ALUM.	CASEMENT & FIXED	CLEAR	1.5" THERMAL, OITC 31 DBA	LEFT SIDE	0.6
W7A	5' - 10" X 11' - 3 1/2"	ANOD. ALUM.	CASEMENT & FIXED	CLEAR	1.5" THERMAL, OITC 31 DBA	RIGHT SIDE	0.6
W8	11' - 8 3/4" X 12'- 10"	ANOD. ALUM.	FIXED	CLEAR	1.5" THERMAL, OITC 28 DBA	FIXED	0.6
W8A	11' - 8 3/4" X 12'- 10"	ANOD. ALUM.	FIXED	CLEAR	1.5" THERMAL, OITC 28 DBA	FIXED	0.6

NOTES:
1. SCREENS SHALL BE PROVIDED ON THE INTERIOR SIDE.
2. SEE ELEVATIONS FOR CASEMENT WINDOW, FIXED GLAZING AND GLAZING CONFIGURATIONS
3. BASED ON WAUSAU 4250i INVENT SERIES.

BLOCK: 759 LOT: 55

Issue Record

02.28.2014	D.O.B. SUBMISSION
04.30.2014	50% CD SUBMISSION
05.29.2014	D.O.B. SUBMISSION
06.04.2014	80% CD SUBMISSION
07.03.2014	ISSUED TO IHG
07.09.2014	D.O.B. SUBMISSION
07.18.2014	90% CD SUBMISSION UPDATED
08.25.2014	D.O.B. SUBMISSION
09.15.2014	ISSUED FOR JOINT VENTURE
10.08.2014	ISSUED FOR CONSTRUCTION

Revision Record

Project Team

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Seal

Project

AC 320 HOTEL PARTNERS LLC
NEW YORK, NY 10018

STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

WINDOW SCHEDULE

Drawing Number ## of

A-903.00

DOB B-Scan

21362

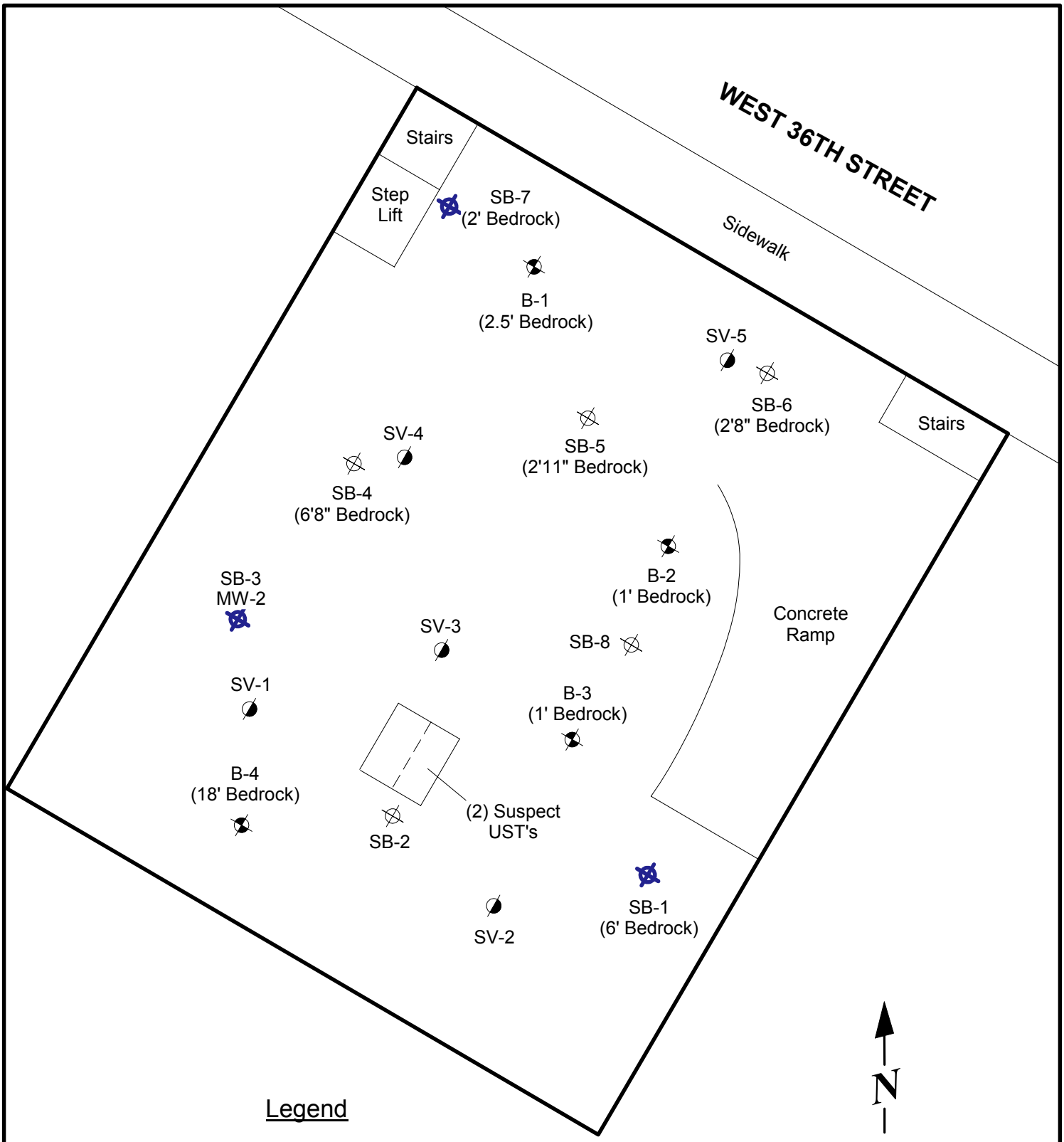
Source: Oasis.net

N

Surrounding Land Use Diagram

Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS
110 Main Street, Suite 103, Port Washington, New York 11050
Tel: 516-441-5800 Fax: 516-441-5511

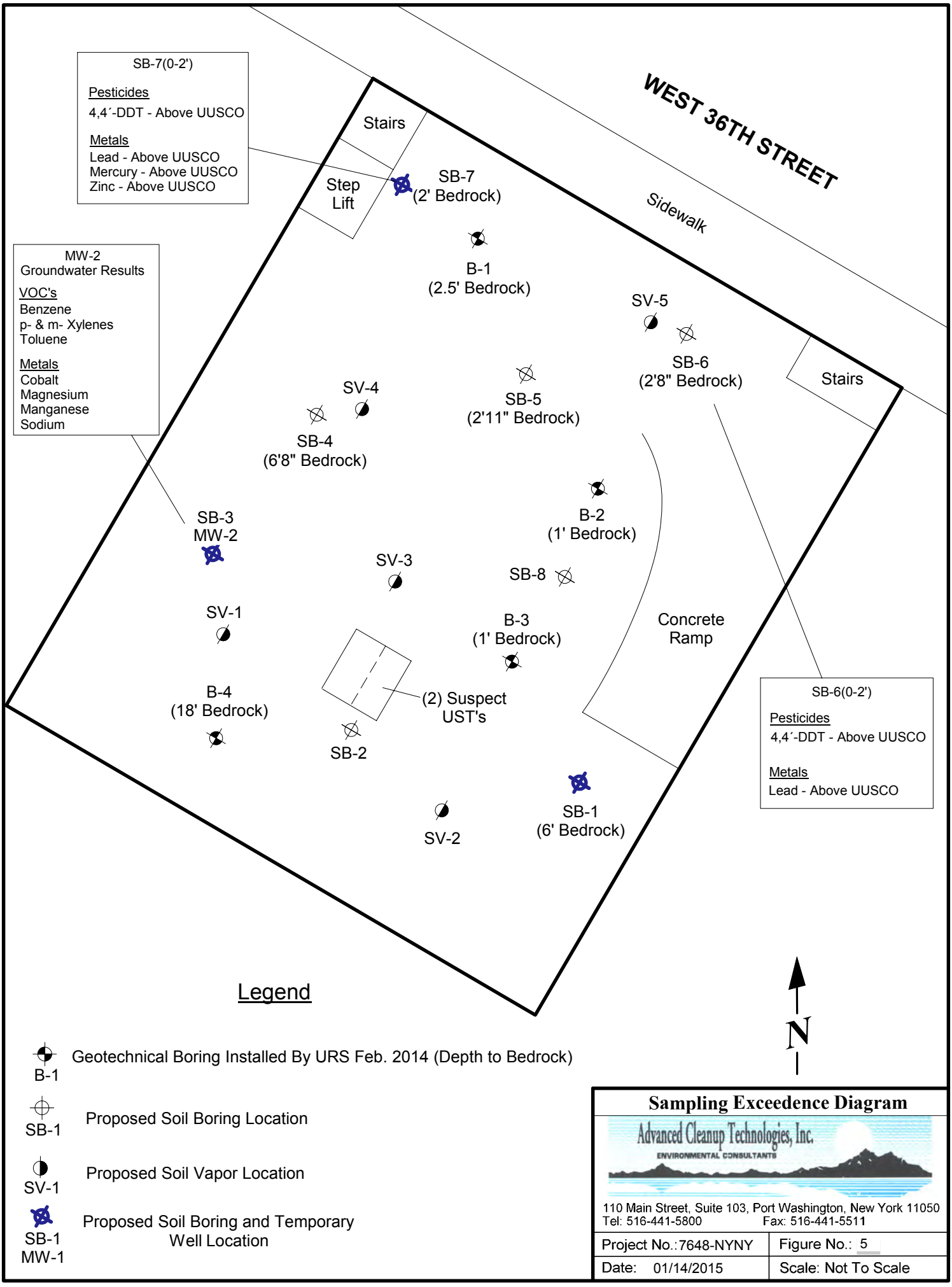
Project No.: 7648-NYNY	Figure No.:
Date: 01/14/2015	Scale: Not To Scale



Sampling Diagram

Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS
110 Main Street, Suite 103, Port Washington, New York 11050
Tel: 516-441-5800 Fax: 516-441-5511

Project No.:7648-NYNY	Figure No.: 4
Date: 01/14/2015	Scale: Not To Scale



Sampling Exceedence Diagram

Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS
110 Main Street, Suite 103, Port Washington, New York 11050
Tel: 516-441-5800 Fax: 516-441-5511

Project No.:7648-NYNY	Figure No.: 5
Date: 01/14/2015	Scale: Not To Scale

APPENDIX 1 – PREVIOUS ENVIRONMENTAL REPORTS

MERRITT
Environmental
Consulting Corp.

77 Arkay Drive, Suite D, Hauppauge, NY 11788
(631) 617-6200, Fax. 631-617-6201

ALL APPROPRIATE INQUIRY (AAI)
PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA)

ASTM E1527-05

Site Address	321-325 West 35th Street & 320-328 West 36th Street New York, New York 10001
Prepared for	Raber Enterprises, LLC 175 Canal Street New York, New York 10013 Attn: Mr. Lance Steinberg
Prepared By	Merritt Environmental Consulting Corp. 77 Arkay Drive, Suite D Hauppauge, New York 11788 (631) 617-6200 www.merrittec.com
MECC Project No	Project M7848
Inspection Date	October 8, 2012
Summary Date	October 12, 2012
Final Report Date	October 18, 2012

4.1 EXECUTIVE SUMMARY

Merritt Environmental Consulting Corp. (MECC) was retained by Raber Enterprises, LLC to conduct a Phase I Environmental Site Assessment (ESA) at 321-325 West 35th Street & 320-328 West 36th Street, New York, New York 10001.

The on site investigation was conducted on October 8, 2012.

The current use of the site consists of a vacant office and warehouse building (321-323 West 35th Street) a parking garage driveway (325 West 35th Street) and a parking garage (326-328 West 36th Street).

At the time of our inspection, no access was possible to the building located at 321-323 West 35th Street. However, a prior Phase I Report conducted on February 26, 2001 by Merritt Engineering Consultants (MEC) did not reveal any Areas of Concern (AOCs) within the building.

Based on our site reconnaissance, database review and historical investigation, the following Recognized Environmental Conditions (RECs) were noted at the time of our inspection.

A Recognized Environmental Condition means the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substance or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under compliance with laws.

The subject property is documented as "E" designated lots at the NYC Department of Buildings:

Lot 55, Tax Block 759
320 West 36th Street
E-No. E-137
Effective Date: 01/19/05
Satisfaction date: Not Reported
Description: Window Wall Attenuation & Alternate Ventilation, Underground Gasoline Storage Tanks* Testing Protocol

Lot 27, Tax Block 759
321 West 35h Street
E-No. E-137
Effective Date: 01/19/05
Satisfaction date: Not Reported
Description: Window Wall Attenuation & Alternate Ventilation, Underground Gasoline Storage Tanks* Testing Protocol

Lot 26, Tax Block 759
325 West 35th Street
E-No. E-137
Effective Date: 01/19/05
Satisfaction date: Not Reported
Description: Window Wall Attenuation & Alternate Ventilation, Underground Gasoline Storage Tanks* Testing Protocol

The "E" designations would require that the fee owner of the site conduct a testing and sampling protocol and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings. Once approval is granted by the NYCDEP, the work can be performed in accordance to required regulations in order to receive a notice of satisfaction.

As previously outlined, an "E" designation only needs to be complied with during the redevelopment of a site. Part of the "E" designation submittal includes architectural drawings on the proposed development.

The existence of an "E" designation does not automatically assume that any contamination or Underground Storage Tanks (USTs) exist. The "E" designation is a "flag" levied on the site to be further evaluated.

MECC has not been informed of the future usage of the site. Therefore, we cannot comment on the time frame in which the "E" designation would need to be addressed.

In addition, no de minimis conditions were noted.

A de minimis condition is one that generally does not present a material risk of harm to public health or the environment and that generally would not be subject of an enforcement action if brought to the attention of appropriate governmental agencies (excluding local asbestos & lead situations).

NON-SCOPE CONSIDERATIONS

There may be environmental issues or conditions at a property that parties may wish to assess in connection with commercial real estate that are outside the scope of this practice (the non-scope considerations). Some substances may be present on a property in quantities and under conditions that may lead to contamination of the property or of nearby properties but are not included in CERCLA's definition of hazardous substances (42 U.S.C. §9601(14) or do not otherwise present potential CERCLA liability. In any case, they are beyond the scope of this practice. There may be standards or protocols for assessment of potential hazards and conditions associated with non-scope conditions developed by governmental entities, professional organizations, or other private entities. Asbestos-Containing Building Materials, Lead-Based Paint, and Radon are several non-scope considerations that persons may want to assess in connection with commercial real estate.

ITEM	
1	At the time of our inspection, no access was possible to 321-323 West 35th Street. Based on the age of the building, Asbestos Containing Materials (ACM) and Lead Based Paint (LBP) are assumed to be present. Since the building is currently vacant, any potential ACM and LBP as well as any mold encountered should be addressed during any renovations /redevelopment of the site.

The following Historical Recognized Environmental Conditions (HRECs) were reported:

A Historical Recognized Environmental Condition (HREC) is an environmental condition which in the past would have been considered a Recognized Environmental Condition (REC), but which may or may not be considered a recognized environmental condition currently. Such as a past release of any hazardous substances or petroleum products which has been remediated, with such remediation accepted by the responsible regulatory agency (for example, as evidenced by the issuance of a no further action letter or equivalent).

There are two (2) 550-gallon underground storage tanks (USTs), which have been abandoned in place, located in basement area of 320-328 West 36th Street. The tanks were utilized to house gasoline.

From March 20-22, 2001, proper abandonment of the tanks was conducted. The tanks were drained of gasoline/water mix (approximately 1,100 gallons) and disposed of. Soil samples were taken and analyzed. The results did not indicate any contamination.

On Saturday, March 24, 2001, the tanks were filled with concrete slurry. The slab, which was broken up during the investigation was repaired. A New York City Fire Department Affidavit was filed upon completion of the job.

TABLE OF CONTENTS

4.6) Site Reconnaissance

- 4.6.1 Methodology and Limiting Conditions
- 4.6.2 General Site Setting
- 4.6.3 Exterior Observations
- 4.6.4 Interior Observations
- 4.6.5 Underground Storage Tanks (USTs) and Drums
- 4.6.6 Aboveground Storage Tanks (ASTs) and Drums
- 4.6.7 Electrical Transformers (PCBs)
- 4.6.8 Natural Gas
- 4.6.9 Vapor Encroachment /Vapor Intrusion
- 4.6.10 Non-Scope ASTM Considerations

4.7) Interviews

- 4.7.1 Interview with Owner
- 4.7.2 Interview with Site Representative
- 4.7.3 Interviews with Occupants
- 4.7.4 Interviews with Local Government Officials
- 4.7.5 Interviews with Others

4.8) Report Findings

4.9) Opinion

4.10) Conclusions

4.11) Deviations

4.12) Additional Services

4.13) References

4.14) Signature(s) of Environmental Professional(s)

4.15) Qualification(s) of Environmental Professional(s)

Appendices

- Site Photography
- Site Vicinity Map
- Regulatory Records Documentation
- Historical Research Documentation
- Interview Documentation
- Qualifications
- Special Contractual Conditions between User & Environmental Professional (If Applicable)
- Historical Recognized Environmental Conditions (HREC) documentation provided (If Applicable)
- Additional Information obtained

4.2) INTRODUCTION

4.2.1 PURPOSE

The report was prepared by Merritt Environmental Consulting Corp., whose purpose is to provide comprehensive Phase I Environmental Site Assessments (ESA) in accordance with American Society of Testing Materials (ASTM E 1527-05) standards for a Phase I Environmental Site Assessment. The survey personnel are trained in the field of Environmental Site inspections as Certified Environmental Specialist (CES) by the Environmental Assessment Association as well as asbestos investigators by the Federal Environmental Protection Agency and NY State.

4.2.2 DETAILED SCOPE OF SERVICES

For the Phase I Environmental Site Assessment (ESA), Merritt Environmental Consulting Corp. performed the following primary tasks:

1. *Physical site inspection by Certified Environmental Specialists (CES) who traversed the interior and exterior areas of the site by foot, in addition to conducting a review of adjacent areas and their exteriors.*
2. *Investigations of historical usage of site based upon:*
   a. *Interview of persons knowledgeable about the sites current and past usage.*
   b. *Review of historical sources provided*
3. *Review of USGS geologic and 7.5 Minute Topographical Maps.*
4. *Review of the federal and state environmental databases as per ASTM E1527-05 guidelines, as well as a review of pertinent information provided by local government records.*
5. *Limited survey of site for the presence of electrical transformers that may contain Poly-chlorinated biphenyl (PCBs).*
6. *Limited survey for the presence of friable asbestos containing material (ACM).*
7. *Limited survey of site for the presence of lead based paint surfaces within common areas.*
8. *Inspection of water supply, gas supply, garbage disposal practices, groundwater flow, storm and sanitary discharge methods.*
9. *Review of Radon averages as published by the local and state regulatory agencies.*
10. *Inspection for petroleum storage tanks, above and below grade, stored on site.*
11. *Review of report by a senior certified environmental specialist (CES).*
12. *Unless provided with a Bank Scope of Work (SOW) prior to inspection, no other items have been included.*

4.2.3 SIGNIFICANT ASSUMPTIONS

Information and records provided by the client and outside vendors retained by Merritt Environmental Consulting Corp. are assumed to be correct and complete.

4.2.4 LIMITATIONS AND EXCEPTIONS

The contents of this report are correct to our knowledge and belief. This report and conclusions stated herein are, however, limited to actual knowledge based upon a visual inspection of the Property, the examination of readily available public records concerning the current and prior use of the Property, and interviews with individuals knowledgeable about present and past property uses.

Merritt Environmental Consulting Corp. has performed this Phase I Environmental Site Assessment (ESA) of the Property in accordance with the detailed scope of work in section 4.2.2.

Merritt Environmental Consulting Corp. cannot guarantee that the Property is completely free of hazardous substances or other materials or conditions that could subject the Client to potential liability. The presence or absence of any such condition can only be confirmed through the collection and analysis of soil and groundwater samples, as well as through testing building materials that may contain asbestos or lead paint. This is beyond the scope of the investigation.

Merritt Environmental Consulting Corp. has no interest other than professional in this Assessment and neither its performance, nor compensation for same, is contingent upon the findings and recommendations that are represented herein.

Transfer Property Acts

Many states have enacted property transfer laws that require notification of environmental conditions to a buyer. This ESA is not designed to meet those parameters or determine if a transfer act applies to the subject site

4.2.5 SPECIAL TERMS AND CONDITIONS

There are no special terms or conditions to the content of the report that are in addition to the scope outlined in Section 4.2.2.

4.2.6 RELIANCE

This Phase I Assessment was performed at the client's request utilizing methods and procedures that are consistent with acceptable professional standards ASTM-E1527-05.

The report has been prepared for the sole use of MECC's client. No other party may use the report without the written authority of MECC.

4.3) SITE DESCRIPTION

4.3.1 LOCATION AND LEGAL DESCRIPTION

The property address is 321-325 West 35th Street & 320-328 West 36th Street. The legal site address is Block 759, Lots 26, 27 & 55. The site is located in the Fashion District section of Manhattan, New York.

4.3.2 SITE AND VICINITY GENERAL CHARACTERISTICS

The current site is situated on a plot size 13,511 square feet.

The weather conditions during our on-site inspection consisted of cloudy skies. The temperature was approximately 52°.

4.3.3 CURRENT USE OF THE PROPERTIES

The current use of the site consists of a vacant office and warehouse building (321-323 West 35th Street) a parking garage driveway (325 West 35th Street) and a parking garage (326-328 West 36th Street).

At the time of our inspection, no access was possible to the building located at 321-323 West 35th Street. However, a prior Phase I Report conducted on February 26, 2001 by Merritt Engineering Consultants (MEC) did not reveal any Areas of Concern (AOCs) within the building.

4.3.4 DESCRIPTIONS OF STRUCTURES, ROADS AND OTHER IMPROVEMENTS

A. The current site consists of a vacant 2-story office and warehouse building (321-323 West 35th Street), a parking garage driveway (325 West 35th Street) and a 2-story parking garage with basement and roof top parking (320-328 West 36th Street). The site is located on a plot size approximately 13,511 square feet. There is a basement which houses the utilities located in the parking garage (320-328 West 36th Street). There are no basements or subbasements in the vacant office and warehouse building (321-323 West 35th Street) or driveway (325 West 35th Street).

   At the time of our inspection, no access was possible to the building located at 321-323 West 35th Street. However, a prior Phase I Report conducted on February 26, 2001 by Merritt Engineering Consultants (MEC) did not reveal any Areas of Concern (AOCs) within the building.

B. The site is located on the north side of West 35th Street and south side of West 36th Street between the corners of 9th Avenue and 8th Avenue.

C. There are no working heating systems located in the 2-story parking garage (320-328 West 36th Street). At the time of our inspection, no access was possible to 321-323 West 35th Street, therefore, we cannot comment on the location of the utilities for this building.

D. *STORM AND SANITARY DISCHARGE*

There are no on-site sanitary services such as cesspools or septic tanks located on the property. The sanitary discharge for this site empties into the New York City sewer system.

E. *WATER SUPPLY*

The U.S. Environmental Protection Agency estimates that drinking water can comprise 20% or more of a person's total exposure to lead. Although lead in drinking water is rarely the single cause of lead poisoning, it can significantly increase a person's total lead exposure. Infants who are fed baby formula or drinks mixed with hot water from the tap are the most vulnerable to lead in drinking water. Lead solder can leach into the water supply. Standing water in the piping system can aid in the leaching process.

The EPA action level for lead in drinking water is 15 parts per billion, (PPB).

A sample with lead levels that equal or exceed 15 PPB is considered to have elevated levels of lead, and it is recommended that response action be taken. This response action may include additional testing, replacement of plumbing components, or an operations and maintenance program.

FINDINGS

A 1" copper water main enters the 2-story parking garage (320-328 West 36th Street) from West 36th Street. The main is connected to a water meter located in the basement.

At the time of our inspection, no access was possible to 321-323 West 35th Street, therefore, we cannot comment on the type of water main present.

The domestic water is supplied by New York City through aqueducts from upstate reservoirs.

The parking garage driveway (325 West 35th Street) has no water service.

There are no private ground water wells servicing this property.

No testing of the water was conducted under this scope.

F. *GARBAGE DISPOSAL*

There are currently no active incinerators located on the property. The garbage to be disposed of is placed the front of the 320-328 West 36th Street building in portable cans with covers. These containers are picked up several times per week by private sanitation.

4.3.5 CURRENT USES OF THE ADJOINING PROPERTIES

North	West 36th Street /17-story commercial building
South	West 35th Street /4-story parking garage
East	5-story residential & commercial building
West	5-story residential building

4.4) USER PROVIDED INFORMATION

4.4.1 TITLE RECORDS

No title records were provided.

4.4.2 ENVIRONMENTAL LIENS

Merritt Environmental Consulting Corp. (MECC) has retained Environmental Data Resources (EDR) to conduct an Environmental Lien Search on the site. No environmental liens were indicated (See Appendix A).

4.4.3 SPECIALIZED KNOWLEDGE

No information regarding specialized knowledge was provided.

4.4.4 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

Merritt Environmental Consulting Corp. (MECC) has used the following New York State websites to research information on the subject property:

- NYC Housing and Preservation
- NYC Department of Finance
- NYC Department of Buildings
- PropertyShark.com

4.4.5 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

No information regarding the valuation reduction for environmental issues was provided by the owner.

4.4.6 OWNER, PROPERTY MANAGER AND OCCUPANT INFORMATION

The current owner of 321-325 West 35th Street is Amon Realty Corp.

The current owner of 320-328 West 36th Street is Abraham Feirstein.

The current use of the site consists of a vacant office and warehouse building (321-323 West 35th Street) a parking garage driveway (325 West 35th Street) and a parking garage (326-328 West 36th Street).

4.4.7 REASON FOR PERFORMING PHASE I

Merritt Environmental Consulting Corp. (MECC) was retained to perform a Phase I Environmental Site Assessment (ESA) as an agent for the buyer (Raber Enterprises, LLC) conducting a due diligence evaluation prior to purchasing site.

4.4.8 OTHER/ADDITIONAL INFORMATION PROVIDED

The following additional information was provided:

- Prior Phase I & Phase II Report was conducted on February 26, 2001 by Merritt Engineering Consultants (MEC)

4.5) RECORDS REVIEW

4.5.1 STANDARD ENVIRONMENTAL RECORD SOURCES

The federal government and New York State have compiled database lists of contaminated, potentially hazardous and regulated sites that may impact the subject property. Environmental Data Resources (EDR) has provided this information to Merritt Environmental Consulting Corp. (MECC).

4.5.2A DATABASE SEARCHES

The following Federal and State databases were reviewed by Merritt Environmental Consulting Corp. (MECC) on October 10, 2012, with the corresponding distance.

FINDINGS

The closest 10 sites have been included in Appendix A.

Due to the density of the area, several of the site printouts have been omitted from the report.

FEDERAL

Database	**Radius Searched**
1. Federal National Priority List	1 Mile
2. Federal CERCLIS list	½ Mile
3. Federal RCRA TSD facilities list	½ Mile
4. Federal RCRA generators list	Site & Adjacent Properties
5. Federal ERNS list	Site

National Priorities List (NPL) - list compiled by EPA pursuant to CERCLA 42 USC 9605(a)(8)(B) of properties with the highest priority for cleanup pursuant to EPA's Hazard Ranking System.

Findings: 1 site located within a 1-mile radius.

Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) - the list of sites compiled by EPA that EPA has investigated or is currently investigating for potential hazardous substance contamination for possible inclusion on the National Priorities List.

Findings: No sites located within a ½-mile radius.

Resource Conservation Recovery Act (RCRA) Treatment Storage Disposal (TSD) facilities - those facilities on which treatment, storage, and/or disposal of hazardous wastes takes place, as defined and regulated by RCRA. Inclusion on the RCRA TSD list does not imply contamination has occurred at the site.

Findings: No sites located within a ½-mile radius.

Resource Conservation Recovery Act (RCRA) generators list - list kept by EPA of those persons or entities that generate hazardous wastes as defined and regulated by RCRA. Inclusion on the RCRA list does not imply contamination has occurred at the site.

Findings: No generators listed at property.
25 generators listed within a ¼-mile radius.

Emergency Response Notification System (ERNS) list - list of reported CERCLA hazardous substance releases or spills in quantities greater than the reportable quantity, as maintained at the National Response Center. Notification requirements for such releases or spills are codified in 40 CFR Parts 302 & 355.

Findings: Site not listed.

STATE AND LOCAL RECORDS

Database	Radius Searched
1. State lists of Haz. Waste Sites	1 Mile
2. State landfill/solid waste site lists	½ Mile
3. State leaking tank lists (LTANKS)	½ Mile
4. State registered tanks	Site & Adjacent Properties

Department of Environmental Conservation (DEC) lists the contaminated sites throughout the State and classifies the degree of contamination. Number 1 being highly contaminated; number 5 being the least hazardous to the public.

code:

1. Causing or presenting an imminent danger of causing irreversible or irreparable damage to the public health or environment - immediate action required;

2. Significant threat to the public health or environment - action required;

2a. Temporary classification assigned to sites that have inadequate and/or insufficient data for inclusion in any of the other classifications;

3. Does not present a significant threat to the public health or the environment - action may be deferred;

4. Site is properly closed - requires continued management;

5. Site is properly closed, no evidence of present or potential adverse impact - no further action is required.

Findings: No sites located within a 1-mile radius.

Solid Waste Disposal Site - any place, location, tract of land, area, or premises used for the disposal of solid wastes as defined by state solid waste regulations. The term is synonymous with the term landfill and is also known as a garbage dump, trash dump or by similar terms.

Findings: No sites located within a ½-mile radius.

Spill Logs/LTANKS list – New York State Department of Environmental Conservation (NYSDEC) has a computerized list of spills that have occurred as of 1986, including the present status of the sites. In addition, the leaking tank (LTANKS) database was also reviewed for reported incidents in the area.

Findings: 88 LTANKS located within a ½-mile radius.

27 NY Spills located within a 1/8-mile radius.

State registered tanks - state lists of storage tanks required to be registered under Subtitle I. Section 9002 of RCRA.

Findings: No registered tanks located on site.
167 registered tank sites located within a 1/8-mile radius.

E Designation- According to a NYCDOB memorandum (12/23/03), "E" designated lots are amendments to the New York City Zoning Maps that may include environmental designations of certain tax lots that have physical or historical evidence of uses related to hazardous materials. Zoning Resolution 11-15 provides that the Department of Buildings may not issue a building permit for work on a tax lot labeled "E", until the Department of Buildings is provided with a report from the Department of Environmental Protection stating that the environmental requirements for the lot have been met.

Findings: **The subject property is listed as an "E" designated lot.**

Lot 55, Tax Block 759
320 West 36th Street
E-No. E-137
Effective Date: 01/19/05
Satisfaction date: Not Reported
Description: Window Wall Attenuation & Alternate Ventilation, Underground Gasoline Storage Tanks* Testing Protocol

Lot 27, Tax Block 759
321 West 35h Street
E-No. E-137
Effective Date: 01/19/05
Satisfaction date: Not Reported
Description: Window Wall Attenuation & Alternate Ventilation, Underground Gasoline Storage Tanks* Testing Protocol

Lot 26, Tax Block 759
325 West 35th Street
E-No. E-137
Effective Date: 01/19/05
Satisfaction date: Not Reported
Description: Window Wall Attenuation & Alternate Ventilation, Underground Gasoline Storage Tanks* Testing Protocol

The "E" designations would require that the fee owner of the site conduct a testing and sampling protocol and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings. Once approval is granted by the NYCDEP, the work can be performed in accordance to required regulations in order to receive a notice of satisfaction.

As previously outlined, an "E" designation only needs to be complied with during the redevelopment of a site. Part of the "E" designation submittal includes architectural drawings on the proposed development.

MECC has not been informed of the future usage of the site. Therefore, we cannot comment on the time frame in which the "E" designation would need to be addressed.

The existence of an "E" designation does not automatically assume that any contamination or Underground Storage Tanks (USTs) exist. The "E" designation is a "flag" levied on the site to be further evaluated.

4.5.2 ADDITIONAL RECORDS SEARCHED

Database	Radius Searched
1. Indian Reservation	1 Mile
2. Indian LUST	½ Mile
3. Indian UST	¼ Mile

The subject site is not listed in any of the additional database searches provided by Environmental Data Resources (EDR). No other environmental records were researched.

4.5.2B ORPHAN SITES

Our database review indicated several sites that cannot be positively plotted (orphan sites). A total of 20 sites were classified as orphans.

The subject site does not appear on the orphan list.

4.5.3 PHYSICAL SETTING SOURCES

A. BODIES OF WATER

The nearest body of water to the subject site is the Hudson River, which is approximately ½ mile west of the site.

B. GROUND WATER FLOW

Through information provided by EDR, hydrological data involving ground water flow has been obtained. Based on our findings, the hydrological groundwater flows in a westerly direction eventually emptying into the Hudson River.

Groundwater in this area is at a depth of approximately 39 feet.

Drinking water for the five boroughs has been supplied by the New York reservoir system for many years (See Map in Appendix A). Groundwater is not a primary source of drinking water for Manhattan.

C. ECOLOGICAL SENSITIVE AREA

Based on information provided by Environmental Data Resources (EDR), no designated wetlands are located in the immediate vicinity of the property.

SITE GEOLOGY AND TOPOGRAPHY

Information pertaining to the hydrogeologic setting in the vicinity of the subject property was obtained from a review of selected published documents and maps. United States Geological Survey (USGS) 7.5-minute Topographic Maps were used to characterize surface topography, water table elevation and drainage. Subsurface characteristics were obtained from USGS Surficial and Bedrock Geology Maps from the lower Hudson Sheet.

4.5.4 HISTORICAL USE INFORMATION ON THE PROPERTY

A. Sanborn Fire Insurance maps of the site and immediate area were available for the years 1890, 1899, 1911, 1930, 1950, 1968, 1979, 1980, 1982, 1984, 1985, 1987, 1988, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 2001, 2002, 2003, 2004 and 2005. The maps indicate the following information:

321-323 West 35th Street

1890-1899 Sub-divided lots
1911-1930 Stores /Dwellings
1950 Freight Depot
1968-2005 Commercial Warehouse Building (Apparel Carriers)

325 West 35th Street

1890-1899 Sub-divided lots
1911-1930 Stores /Dwellings
1950-2005 Commercial building

320-328 West 36th Street

1890-1899 Sub-divided lots
1911-1930 Stores /Dwellings
1950 Stores /Dwellings
1968-2005 Parking Garage

B. Aerial Photographs of the site and immediate area were available for the years 1924, 1943, 1954, 1966, 1975, 1984, 1994, 1995, 2006 and 2008. The photos indicate the following information:

This section of Manhattan has been developed with residential and commercial buildings from 1924 through the latest aerial photo available (2008).

C. City Directories

City Directories were ordered for the site (See Appendix A). The search indicated the following:

321-323 West 35th Street

1920-1947 Address Not Listed in Research Source
1950 Levy Leon Candy Store
1956 Midtown Food Shoppe / Posner Max J Service, Inc.
1958 Amer Consolidating, Inc. / Posner Max J Service, Inc.
1968 Posner Max J Service, Inc. /Trucking /Post Consolidators, Inc.
1973-2000 Bal-Gem Trucking Corp. /MLB Delivery Corp. /Newmark Hurwitz Trucking Corp. /R & I Express, Inc. /Ricky Express Delivery Corp.
2006 No Current Listing
2012 Heli Trucker

325 West 35th Street

1920-1934 Address Not Listed in Research Source
1938-1942 Pastorino Cerolamo Rms
1947 De Giovanni Nino Furn Rms
1950-1956 Mrs. Dora Giovanelli
1968 Advance Jewelry Corp.
1973-2012 Address Not Listed in Research Source

320-328 West 36th Street

1920-1923 Address Not Listed in Research Source
1927-1938 Residential Occupants
1942-1978 Address Not Listed in Research Source
1983 Action JV /South Eastern Printing Co. /Braunstein Express Co., Inc.
1988-1998 Address Not Listed in Research Source
2000-2007 Wizard Parking
2012 West 36th Operating, LLC

D. Topographic Maps

A topographic map (topo) is a color coded line-and-symbol representation of natural and selected artificial features plotted to a scale. Topos show the shape, elevation, and development of the terrain in precise detail by using contour lines and color coded symbols. The colors of the lines usually indicate similar classes of information. For example, topographic contours (brown); lakes, streams, irrigation ditches, etc. (blue); land grids and important roads (red); secondary roads and trails, railroads, boundaries, etc. (black).

Historical topographic maps are a valuable historical resource for documenting the prior use of a property and its surrounding area.

Topographic Maps of the site and immediate area were available for the years 1891, 1897, 1900, 1903, 1905, 1940, 1947, 1955, 1956, 1966, 1967, 1979, 1981, 1995.

4.5.4A DATA GAPS

No significant data gaps were noted within the historical research conducted by Merritt Environmental Consulting Corp (MECC).

4.5.5 HISTORICAL USE INFORMATION ON ADJOINING PROPERTIES

The above historical sources were reviewed by Merritt Environmental Consulting Corp. (MECC) for the adjoining properties on the north, south, east & west.

4.6) SITE RECONNAISSANCE

4.6.1 METHODOLOGY AND LIMITING CONDITIONS

At the time of our inspection, the following areas of 325 West 35th Street and 320-328 West 36th Street were accessed by Mr. John Perotti, of our staff: basement parking area, ground floor, 2nd floor and roof top parking areas, utilities areas and all accessible exterior areas of the site.

At the time of our inspection, no access was possible to the building located at 321-323 West 35th Street. However, a prior Phase I Report conducted on February 26, 2001 by Merritt Engineering Consultants (MEC) did not reveal any Areas of Concern (AOCs) within the building.

4.6.2 GENERAL SITE SETTING

North side of West 35th Street
South side of West 36th Street
Topography is flat

4.6.3 EXTERIOR OBSERVATIONS

No potential environmental conditions such as, dead vegetation, gas/chemical spills or storage drums were observed throughout the exterior areas at the time of our inspection.

4.6.4 INTERIOR OBSERVATIONS

The interior inspection of 325 West 35th Street and 320-328 West 36th Street revealed no evidence of any on-site staining of petroleum products, chemicals, or other hazardous materials.

Hydraulic equipment was observed in the basement area of the parking garage at 320-328 West 36th Street. The unit operates the ground floor hydraulic parking lifts.

At the time of our inspection, no access was possible to the building located at 321-323 West 35th Street. However, a prior Phase I Report conducted on February 26, 2001 by Merritt Engineering Consultants (MEC) did not reveal any Areas of Concern (AOCs) within the building.

4.6.5 UNDERGROUND STORAGE TANKS (UST) AND DRUMS

Each year, thousands of petroleum leaks and spills are reported to the Department of Environmental Conservation (DEC) / Department of Environmental Protection (DEP). Thousands of others may go unreported mainly because they have not yet been discovered. These leaks can enter the ground, seep into an aquifer and contaminate a water supply. In some places, water wells have been closed down and people have had to vacate their homes. Even small amounts of petroleum in soil or groundwater can be tasted or smelled and can subsequently affect health.

Leaking petroleum storage tanks are a major source of groundwater contamination. The DEC/DEP estimates that there may be as many as 185,000 tanks storing petroleum, which are subject to state regulations. Many of these tanks are bare steel and were installed underground in the 1950s and 1960s. These tanks have weakened by rust and have a fifty percent chance of developing leaks.

FINDINGS

There are two (2) 550-gallon underground storage tanks (USTs), which have been abandoned in place, located in basement area of 320-328 West 36th Street. The tanks were utilized to house gasoline.

From March 20-22, 2001, proper abandonment of the tanks was conducted. The tanks were drained of gasoline/water mix (approximately 1,100 gallons) and disposed of. Soil samples were taken and analyzed. The results did not indicate any contamination.

On Saturday, March 24, 2001, the tanks were filled with concrete slurry. The slab, which was broken up during the investigation was repaired. A New York City Fire Department Affidavit was filed upon completion of the job.

4.6.6 ABOVEGROUND STORAGE TANKS (AST)

No aboveground tanks or storage drums were observed in any of the accessible areas at the time of our inspection.

4.6.7 ELECTRICAL TRANSFORMERS (PCBs)

Transformers often contain poly-chlorinated biphenyl (PCB) Askarel coolant liquid and are generally used in hazardous locations where flammability is of concern. PCB transformers are no longer produced because of EPA's ban on the manufacture of new equipment containing PCBs. However, older equipment does remain in certain areas and may contain PCBs.

As of January, 1979, Polychlorinated Biphenyls (PCB) and other toxic materials used in fluorescent ballasts were phased out. Any building constructed prior to 1979 may contain PCB in minor quantities and is not considered a major health threat.

Further evaluation goes beyond the scope of a Phase I Environmental Report. Should you need any additional information, a technical engineer may be contacted for assistance.

FINDINGS

No electrical transformers were observed on the property.

As per the Toxic Substance Control Act (TSCA), the transformer owner, i.e. the utility company, is responsible for all transformer maintenance and all spills of PCBs from their transformers.

Fluorescent light fixtures were not inspected for PCB content under the scope of this assessment.

4.6.8 NATURAL GAS

The site does not utilize natural gas.

4.6.9 VAPOR ENCROACHMENT /VAPOR INTRUSION CONDITION

A Vapor Encroachment Condition (VEC) is defined by ASTM E2600-10 as "the presence or likely presence of contaminant of concern (COC) vapors in the subsurface of the Target Property (TP) caused by the release of vapors from the contaminated soil or groundwater or both either on or near the TP".

Vapor Intrusion (VI) occurs when contaminant of concern (COC) vapors enter a structure from the subsurface and impact the indoor air quality (IAQ) of a building. At high enough concentrations, vapor intrusion may present a health risk to the building's occupants.

MECC conducted a review of historical resources and regulatory database listings to identify any potential sources of contamination at the subject site that may result in Vapor Encroachment or Vapor Intrusion. In addition, MECC has reviewed available information for surrounding properties within the appropriate search distances to identify potential sources of a VEC/VIC at the subject site.

This is not intended to meet the criteria of a Vapor Encroachment Screen (VES) as outlined by ASTM E2600-10 Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transaction. This is beyond the scope of a Phase I ESA.

FINDINGS:

The subject property is listed as an "E" designated lot.

Lot 55, Tax Block 759
320 West 36th Street
E-No. E-137
Effective Date: 01/19/05
Satisfaction date: Not Reported
Description: Window Wall Attenuation & Alternate Ventilation, Underground Gasoline Storage Tanks* Testing Protocol

Lot 27, Tax Block 759
321 West 35h Street
E-No. E-137
Effective Date: 01/19/05
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Lot 26, Tax Block 759
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E-No. E-137
Effective Date: 01/19/05
Satisfaction date: Not Reported
Description: Window Wall Attenuation & Alternate Ventilation, Underground Gasoline Storage Tanks* Testing Protocol

The "E" designations would require that the fee owner of the site conduct a testing and sampling protocol and remediation where appropriate, to the satisfaction of the NYCDEP

before the issuance of a building permit by the Department of Buildings. Once approval is granted by the NYCDEP, the work can be performed in accordance to required regulations in order to receive a notice of satisfaction.

As previously outlined, an "E" designation only needs to be complied with during the redevelopment of a site. Part of the "E" designation submittal includes architectural drawings on the proposed development.

MECC has not been informed of the future usage of the site. Therefore, we cannot comment on the time frame in which the "E" designation would need to be addressed.

The existence of an "E" designation does not automatically assume that any contamination or Underground Storage Tanks (USTs) exist. The "E" designation is a "flag" levied on the site to be further evaluated.

Based on the fact that the site is "E" designated, consideration should be given to the potential for a Vapor Encroachment/Intrusion Condition (VEC/VIC). A Focused Sub-surface Investigation (FSSI) including soil and groundwater sampling will aide in determining if any sub-surface impacts are present and can better define whether a VEC exists at the site.

4.6.10 NON-SCOPE ASTM CONSIDERATIONS

There may be environmental issues or conditions at a property that parties may wish to assess in connection with commercial real estate that are outside the scope of this practice (the non-scope considerations). Some substances may be present on a property in quantities and under conditions that may lead to contamination of the property or of nearby properties but are not included in CERCLA's definition of hazardous substances (42 U.S.C. §9601(14) or do not otherwise present potential CERCLA liability. In any case, they are beyond the scope of this practice. There may be standards or protocols for assessment of potential hazards and conditions associated with non-scope conditions developed by governmental entities, professional organizations, or other private entities. Asbestos-Containing Building Materials, Lead-Based Paint, and Radon are several non-scope considerations that persons may want to assess in connection with commercial real estate.

A. ASBESTOS

The EPA has identified over 3,000 products used in buildings containing asbestos fibers. Our inspection of the premises is to determine the presence of **friable asbestos**, as defined by the Federal Environmental Protection Agency as any material, which may be pulverized with hand pressure. This material has the potential to release asbestos fibers into the atmosphere and in turn may be hazardous to the building occupants' health.

We have not inspected for or included in our report any building materials, which may contain non-friable asbestos such as vinyl asbestos floor tiles, exterior asbestos shingles, asbestos roofing felts, etc. Many of these materials are still manufactured today and not considered hazardous unless the material is cut, sawed, or grounded in a manner that might release asbestos fibers into the atmosphere.

We have used the 4-category system as defined by Asbestos Hazardous Emergency Response Act (AHERA) to designate the different conditions of asbestos noted throughout the areas of the site. This report is not designed to meet the AHERA protocols.

1. *Good Condition*
   Material with no visible damage or deterioration to very limited damage or deterioration.

2. *Fair Condition*
   Material with one or more of the following characteristics:
   - *A few water stains or less than one tenth of insulation with missing jackets.*
   - *Crushed insulation or water stains, gouges, puncture or mars on up to one tenth of the insulation if the damage is evenly distributed (or up to one quarter if the damage is localized).*

3. *Poor Condition*
   Material with one or more of the following characteristics:
   - *Missing jackets on at least one tenth of the piping equipment.*
   - *Crushed or heavily gouged or punctured insulation on at least one tenth of pipe runs/risers, boiler, tank duct, etc., if the damage is evenly distributed (one quarter if the damage is localized).*

4. *Significantly Damaged*

Thermal systems insulation on pipes, boilers, tanks, ducts, and other thermal system insulation equipment which the insulation has lost its structural integrity, or its covering, in whole or in part, is crushed, water-stained, gouged, punctured, missing, or not intact such that is not able to contain fibers. Damage may be further illustrated by occasional puncture, gouges, or other signs of physical injury to ACM; occasional water damage on the protective coverings/jackets; or exposed ACM ends or joints. Asbestos debris, originating from the ACM in question may also indicate damage.

ASBESTOS FINDINGS

No friable asbestos containing material was observed in any of the accessible areas of the 325 West 35th Street and 320-328 West 36 Street.

At the time of our inspection, no access was possible to 321-323 West 35th Street. Based on the age of the building, Asbestos Containing Materials (ACM) are assumed to be present. Since the building is currently vacant, any potential ACM should be addressed during any renovations /redevelopment of the site.

Many buildings' fireproofing is concealed in a plenum above the ceiling. These areas were not accessible and, therefore, we are unable to determine the type of fireproofing for those areas above the first floor.

B. LEAD BASED PAINT

Lead-based paint (LBP) was used extensively in buildings and structures that were constructed prior to 1978 and can be hazardous when damaged (i.e., chipped, broken, crumbling, pulverized); lead is toxic to humans particularly to children, if ingested, inhaled, or otherwise absorbed. Exposure to lead can cause health problems in children ranging from damage to the brain and nervous system, behavioral and learning problems (such as hyperactivity), slowed growth, hearing problems and headaches. In adults the health problems can range from difficulties during pregnancy, other reproductive problems, high blood pressure, digestive problems, nerve disorders, memory and concentration problems and muscle and joint pain.

Our research indicates the buildings were constructed **prior to 1978**, and lead based paint is assumed to be present throughout the buildings.

FINDINGS

The painted surface in the common areas inspected by Merritt Environmental Consulting Corp's staff did not demonstrate signs of peeling or cracking. No samples of the paint were analyzed since this is beyond the scope of this Assessment.

At the time of our inspection, no access was possible to 321-323 West 35th Street. Based on the age of the building, Lead Based Paint (LBP) are assumed to be present. Since the building is currently vacant, any potential LBP encountered should be addressed during any renovations /redevelopment of the site.

Research of the Housing Preservation and Development (HPD) Department records did not reveal any lead based paint violations against the subject site (See Appendix A).

In addition, the site is not used for residential purposes.

A lead based paint survey in accordance with The Housing & Urban Development (HUD) guidelines was not conducted under the scope of this assessment.

C. MOLD

Our on-site inspection did not reveal any visible evidence of mold or mold spores in any of the accessible areas inspected.

At the time of our inspection, no access was possible to 321-323 West 35th Street. Since the building is currently vacant, any mold encountered should be addressed during any renovations /redevelopment of the site.

D. RADON

Radon first gained national attention in early 1984, when extremely high levels of indoor radon were found in areas of Connecticut, Pennsylvania, New Jersey, and New York. Radon is a colorless, odorless radioactive gas. Nearly one out of every 15 homes in the U.S. is estimated to have elevated annual average levels of indoor radon. EPA established a Radon Program in 1985 to assist States and homeowners in reducing their risk of lung cancer from indoor radon.

FINDINGS

The New York State Department of Health indicates the average radon level for this area of Manhattan to be 1.4 picocuries per liter (pCi/L), which is below the EPA action level of 4 pCi/L.

A radon canister was not initiated at the time of our inspection since this is beyond the scope of this assessment.

4.7) INTERVIEWS

4.7.1 INTERVIEW WITH OWNER

The owner was not present during our inspection.

4.7.2 INTERVIEW WITH SITE REPRESENTATIVE

During our on-site visit, we interviewed Mr. David Kalush, who is the broker with Massey Knakal.

Copies of the above records of communications are included in Appendices, Section 10.6.

4.7.3 INTERVIEWS WITH OCCUPANTS (TENANTS)

No other individuals were interviewed regarding the facility.

4.7.4 INTERVIEWS WITH LOCAL GOVERNMENT OFFICIALS

We are researching the New York Health & Fire Department records for any information of hazardous operations including, past spills, leaks or violations. The information has not yet been provided. We will forward any information that appears to impact the scope of this assessment.

Research of the New York City Building Department indicated the following:

The subject property is documented as an "E" designated lot at the NYC Department of Buildings. According to a NYCDOB memorandum (12/23/03), "E" designated lots are amendments to the New York City Zoning Maps that may include environmental designations of certain tax lots that have physical or historical evidence of uses related to hazardous materials. Zoning Resolution 11-15 provides that the Department of Buildings may not issue a building permit for work on a tax lot labeled "E", until the Department of Buildings is provided with a report from the Department of Environmental Protection stating that the environmental requirements for the lot have been met.

The process to remove an "E" designation and receive a notice of satisfaction includes the following:

- **Submitting a work plan to the New York City Department of Environmental Protection**
- **Conducting a sub-surface investigation**
- **Submit results to the New York City Department of Environmental Protection**

The process can take several months and cost over $20,000 to satisfy the requirement for removing an "E" designation. However, the "E" designation is only addressed during the redevelopment of a site.

The "E" designations would require that the fee owner of the site conduct a testing and sampling protocol and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings. Once approval is granted by the NYCDEP, the work can be performed in accordance to required regulations in order to receive a notice of satisfaction.

As previously outlined, an "E" designation only needs to be complied with during the redevelopment of a site. Part of the "E" designation submittal includes architectural drawings on the proposed development.

MECC has not been informed of the future usage of the site. Therefore, we cannot comment on the time frame in which the "E" designation would need to be addressed.

The existence of an "E" designation does not automatically assume that any contamination or Underground Storage Tanks (USTs) exist. The "E" designation is a "flag" levied on the site to be further evaluated.

4.7.5 INTERVIEWS WITH OTHERS

No additional interviews were conducted as part of this assessment.

A questionnaire was forwarded to Mr. Lance Steinberg on October 5, 2012. We have not yet received a completed questionnaire (See Appendix A).

4.8) REPORT FINDINGS

Based on our site reconnaissance, database review and historical investigation, the following Recognized Environmental Conditions (RECs) were noted at the time of our inspection.

A Recognized Environmental Condition means the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substance or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under compliance with laws.

The subject property is documented as "E" designated lots at the NYC Department of Buildings:

Lot 55, Tax Block 759
320 West 36th Street
E-No. E-137
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Satisfaction date: Not Reported
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The "E" designations would require that the fee owner of the site conduct a testing and sampling protocol and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings. Once approval is granted by the NYCDEP, the work can be performed in accordance to required regulations in order to receive a notice of satisfaction.

As previously outlined, an "E" designation only needs to be complied with during the redevelopment of a site. Part of the "E" designation submittal includes architectural drawings on the proposed development.

The existence of an "E" designation does not automatically assume that any contamination or Underground Storage Tanks (USTs) exist. The "E" designation is a "flag" levied on the site to be further evaluated.

MECC has not been informed of the future usage of the site. Therefore, we cannot comment on the time frame in which the "E" designation would need to be addressed.

In addition, no de minimis conditions were noted.

A de minimis condition is one that generally does not present a material risk of harm to public health or the environment and that generally would not be subject of an enforcement action if brought to the attention of appropriate governmental agencies (excluding local asbestos & lead situations).

NON-SCOPE CONSIDERATIONS

There may be environmental issues or conditions at a property that parties may wish to assess in connection with commercial real estate that are outside the scope of this practice (the non-scope considerations). Some substances may be present on a property in quantities and under conditions that may lead to contamination of the property or of nearby properties but are not included in CERCLA's definition of hazardous substances (42 U.S.C. §9601(14) or do not otherwise present potential CERCLA liability. In any case, they are beyond the scope of this practice. There may be standards or protocols for assessment of potential hazards and conditions associated with non-scope conditions developed by governmental entities, professional organizations, or other private entities. Asbestos-Containing Building Materials, Lead-Based Paint, and Radon are several non-scope considerations that persons may want to assess in connection with commercial real estate.

	ITEM
1	At the time of our inspection, no access was possible to 321-323 West 35th Street. Based on the age of the building, Asbestos Containing Materials (ACM) and Lead Based Paint (LBP) are assumed to be present. Since the building is currently vacant, any potential ACM and LBP as well as any mold encountered should be addressed during any renovations /redevelopment of the site.

The following Historical Recognized Environmental Conditions (HRECs) were reported:

A Historical Recognized Environmental Condition (HREC) is an environmental condition which in the past would have been considered a Recognized Environmental Condition (REC), but which may or may not be considered a recognized environmental condition currently. Such as a past release of any hazardous substances or petroleum products which has been remediated, with such remediation accepted by the responsible regulatory agency (for example, as evidenced by the issuance of a no further action letter or equivalent).

There are two (2) 550-gallon underground storage tanks (USTs), which have been abandoned in place, located in basement area of 320-328 West 36th Street. The tanks were utilized to house gasoline.

From March 20-22, 2001, proper abandonment of the tanks was conducted. The tanks were drained of gasoline/water mix (approximately 1,100 gallons) and disposed of. Soil samples were taken and analyzed. The results did not indicate any contamination.

On Saturday, March 24, 2001, the tanks were filled with concrete slurry. The slab, which was broken up during the investigation was repaired. A New York City Fire Department Affidavit was filed upon completion of the job.

4.9 OPINIONS

Based on our site reconnaissance, database review, historical review and interviews with persons familiar with the subject site and adjacent properties, the above Recognized Environmental Conditions (RECs) and non-scope considerations were identified under the scope of services outlined in Section 4.2.2.

Based on our site reconnaissance, database review, historical review and interviews with persons familiar with the subject site and adjacent properties, no de minimis conditions were identified under the scope of services outlined in Section 4.2.2.

The following Historical Recognized Environmental Conditions (HRECs) were reported:

There are two (2) 550-gallon underground storage tanks (USTs), which have been abandoned in place, located in basement area of 320-328 West 36th Street. The tanks were utilized to house gasoline.

From March 20-22, 2001, proper abandonment of the tanks was conducted. The tanks were drained of gasoline/water mix (approximately 1,100 gallons) and disposed of. Soil samples were taken and analyzed. The results did not indicate any contamination.

On Saturday, March 24, 2001, the tanks were filled with concrete slurry. The slab, which was broken up during the investigation was repaired. A New York City Fire Department Affidavit was filed upon completion of the job.

4.10 CONCLUSION

Merritt Environmental Consulting Corp has performed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM Practice E1527 of 321-325 West 35th Street and 320-328 West 36th Street, New York, New York 10001, the property. Any exceptions to, or deletions from, this practice are described in Section [4.2.2] of this report.

4.11 DEVIATIONS

The assessment was performed in accordance with the ASTM 1527-05 Standards as well as the detailed scope of services outlined in section 4.2.2 of this report.

4.12 ADDITIONAL SERVICES

No additional services were performed beyond the detailed scope of services in section 4.2.2.

4.13 REFERENCES

All references relied upon are located in Appendix A.

4.14 SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

We thank you for allowing Merritt Environmental Consulting Corp., to serve as your Environmental Consultant for this project. We declare that, to the best our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312, and

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the "All Appropriate Inquiries" in conformance with the standards and practices set forth in 40 CFR Part 312.

Should you have any questions regarding the contents of this report, please feel free to contact us to discuss the report in further detail.

Site Inspector:

John Perotti
Certified Environmental Specialist

Reviewed by:

Charles G. Merritt
Certified Environmental Specialist /LEED AP

4.15 QUALIFICATIONS

See Appendix A

R E P O R T

GEOTECHNICAL EVALUATION

320-328 WEST 36TH STREET
NEW YORK, NEW YORK

Prepared for:
AC320 Hotel Partners, LLC
c/o Flintlock Construction Services
580 8th Avenue
New York, New York 10018

February 17, 2014

Prepared by:

URS
1255 Broad Street, Suite 201
Clifton, New Jersey 07013

Project No: 11100652

TABLE OF CONTENTS

This report provides geotechnical recommendations for the design and construction of a proposed 25-story structure located at 320-328 West 36th Street in the Borough of Manhattan, New York.

The subsurface conditions generally consist of red-brown coarse to fine sand (Stratum 1) with some silt, clay, and gravel inclusions overlying bedrock (Stratum 2). Cobbles and boulders were encountered within Stratum 1 in one boring. Bedrock was generally encountered within one foot below the existing cellar floor slab in three borings and was encountered at about 18 feet below the cellar floor slab in one boring to the south. Groundwater is estimated to be about 13 feet below the sidewalk, which corresponds to approximately el. +23 feet[1].

The recommended seismic site classification is Site Class C. If the proposed building is in Seismic Use Group I or II, the Seismic Design Category (SDC) is B. Liquefaction is unlikely.

Based on a cellar slab depth of 14 feet and assuming a foundation thickness of about three feet, it is estimated that Stratum 2 will be encountered for the central and northern portions of the site and Stratum 1 will be encountered at the southern portion of the site. Constructing isolated spread footings on rock and soil could result in unacceptable differential settlements at locations where a column bears on rock and an adjacent column bears on soil. In addition, it will be difficult to construct the footings at the transition zone because a foundation cannot bear partly on soil and partly on rock. Therefore, isolated spread footings are not recommended.

The feasibility of a mat foundation will depend on many factors, including the foundation types and depths of the adjacent buildings, the proposed building loads, and the estimated mat settlements. It is recommended that adjacent building information be obtained prior to selecting a mat foundation. The recommended maximum bearing capacity for a mat foundation bearing on Stratum 1 and Stratum 2 is 6 and 8 tsf, respectively, and the recommended moduli of subgrade reaction values are 150 and 250 pci, respectively. If the mat stresses or settlement are too high, especially close to the adjacent buildings, settlement reducing elements may be an option, but this will require additional analyses and determination of the cost effectiveness.

Based on the available subsurface information, it is difficult to accurately estimate where the mat will bear on Stratum 1 and where it will bear on Stratum 2. If this is critical to the design of the mat foundation, it is recommended that additional test borings be performed to better delineate where the mat will transition from Stratum 1 to Stratum 2.

If a mat foundation is not feasible, or desired, it is recommended that the building be supported on a combination of footings bearing on rock, piers to rock, and piles. Based on our experience, performing excavations below approximately 10 feet to install a pier to rock becomes impractical; therefore, if the rock is greater than 10 feet below the excavation level, it is recommended that piles be installed. Due to the relatively shallow rock conditions, it is recommended that drilled piles (i.e., caissons) be installed. Recommendations are given in the report for 200 and 400 ton caissons.

[1] Elevations are referenced to Borough President of Manhattan Datum, which is 2.75 feet above the National Geodetic Vertical Datum (Mean sea level. at Sandy Hook, NJ 1929). [BPMD = USGS – 2.75]

The recommended design groundwater elevation is el. +26 ft. The bottom of the cellar slab will likely be below the design groundwater elevation; therefore, the below grade walls and cellar slab should be designed to resist groundwater pressures and they should be fully waterproofed.

Information regarding the foundation types and depths of the adjacent buildings has not been provided to us. If it is assumed that the foundations for the new buildings will be at a depth of 17 feet and that the adjacent buildings do not have deep cellars, underpinning of the adjacent buildings may be required. It is recommended that a site walk through of the adjacent structures be performed, a test pit plan be developed, and test pits be performed to document the size, depth, and type of foundation of the adjacent buildings, as well as any below-grade encroachments that may be present.

The report includes additional information regarding the subsurface conditions and foundation design recommendations and additional recommendations regarding excavation considerations, temporary groundwater control, underpinning, caisson installation, subgrade preparation, backfill and compaction requirements, pre-construction condition documentation and monitoring, and construction inspection and monitoring.

1.1 GENERAL

This report provides geotechnical recommendations for the design and construction of the proposed building at 320-328 West 36th Street in Manhattan, New York. The geotechnical evaluations and recommendations presented herein are in general accordance with the 2008 NYC Building Code (Code). Authorization to proceed was obtained in the form of an agreement between AC320 Hotel Partners, LLC c/o Flintlock Construction Services and URS Corporation – New York (URS), dated November 18, 2013.

Ground surface elevations were obtained from an "Existing Conditions Plan" prepared by WSP Transportation and Infrastructure, dated 7 January 2014. All elevations presented herein are referenced to the Borough President of Manhattan Datum (BPMD).

1.2 SITE DESCRIPTION AND PROPOSED DEVELOPMENT

The project site is located at 320-328 West 36th Street (Block 759, Lot 55) in Manhattan, New York and is referenced as Block 759, Lot No.55. The total lot size is about 8,230 ft^2 and is currently occupied by a two-story parking lot. The existing building has one below grade level about 11-feet below the sidewalk. The site has about 83-feet fronting the south side of West 36th Street and the sidewalk elevation fronting the existing building varies from about el. +35.3 to +36.6 ft. A site location plan is provided as Figure No. 1.

The site is bounded to the west by a 7-story brick structure (330 West 36th Street) and bounded to the east by a 5-story masonry structure (314-318 West 36th Street). The site is bounded to the south by a lot under development (excavation phase at time of investigation). The site is bounded to the south-west by a 5-story building with a rear yard that abuts the south property line of the site. The presence of any cellar levels of the adjacent buildings is unknown. Information regarding the foundation types and depths of the adjacent structures has not been provided to us.

The proposed development involves the construction of a new 26-story building (about 287-feet above sidewalk elevation). The latest architectural progress drawings, dated February 3, 2014, indicate that the building will have one cellar level with a floor to floor height of about 14 feet from the first floor level. The estimated finished floor elevation of the cellar is about el. +22 with localized deeper elevator pits at about el. +14. All proposed elevations are estimated and are to be finalized by the architect. Structural foundation loads were not developed at the time of writing this report.

1.3 OBJECTIVES AND SCOPE OF SERVICES

The objectives of this investigation were to evaluate the subsurface conditions at the site and provide geotechnical recommendations for the design and construction of the proposed building. The following scope of services were performed to achieve these objectives:

- Retained a subcontractor to perform test borings;
- Provided full-time special inspection of the test boring operations;

- Performed engineering evaluations and prepared this report that includes the following:
    a) A description of the subsurface investigation performed for this project;
    b) A plan drawing showing the locations of the as-drilled test borings;
    c) An overview of general site and geologic conditions;
    d) The results of engineering evaluations and recommendations regarding the foundation design, including:
        - Foundation type, estimated capacity, bearing elevation, and settlement estimate;
        - Evaluation of caisson foundations, including estimated caisson lengths, and capacities;
        - Seismic site class and liquefaction potential;
        - Cellar floor slab support;
        - Permanent below grade wall lateral pressures;
        - Permanent groundwater control measures;
    e) A discussion regarding construction related issues, including:
        - Excavation and temporary support of excavation considerations;
        - Underpinning;
        - Temporary groundwater control;
        - Subgrade preparation;
        - Pile load test and installation inspection requirements, if applicable
        - Backfill and compaction requirements;
        - Pre-construction survey;
        - Construction monitoring recommendations;
    f) Appendices that include test boring logs.

1.4 REPORT ORGANIZATION

This report is divided into five sections. Following this section is a description of the subsurface investigation methods and results in Section 2. Section 3 summarizes the engineering evaluations and our recommendations. Construction considerations are addressed in Section 4. The limitations of this study are discussed in Section 5. Figures are provided at the end of the text. The boring logs and laboratory testing results are included in the appendices.

2.1 GENERAL

The subsurface investigation included a test boring and laboratory testing program to identify soil, rock, and groundwater conditions at the site. Details of the subsurface investigation are presented in the following sections.

2.2 SUBSURFACE INVESTIGATION

Four test borings, designated B-1 through B-4, were drilled between February 3 and February 10, 2014, in the cellar of the existing building. The borings were inspected on a full-time basis by a URS Geotechnical Engineer, under the direction of Mr. Jaime Rodger, P.E. The test boring locations are shown in Figure 2.

The URS test borings were performed by Warren George, Inc. of Jersey City, New Jersey using a track-mounted DK-50 restricted access drill rig. The borings were advanced using the mud rotary technique with a 3-7/8-inch diameter tricone roller bit. Soil samples were obtained in all borings using a 2-inch O.D. split-spoon sampler in accordance with American Society for Testing and Materials (ASTM) Standard Specification D1586-Standard Penetration Test (SPT). The SPT consists of driving a 2-in O.D. split-spoon for a depth of 24 inches with repeated blows of a 140-lb hammer free-falling 30 inches. The standard penetration or N-value is defined as the number of blows required to drive the sampler for a 12-in interval after an initial 6 inches of penetration. The split-spoon sampler was advanced using a donut hammer in all borings. The soil samples obtained from the borings were visually classified by the URS field inspector using the Unified Soil Classification System and the New York City Building Code designations. The recovered split-spoon samples were placed in properly labeled jars.

Rock coring was performed using a five-foot long NX (2-1/8 in. O.D.) core barrel. The top of rock was estimated based on the drilling operations (e.g., excessive rig chatter, difficult penetration) and practical spoon refusal as indicated by blow counts greater than 100 for a 6-inch interval on the split spoon sampler. Rock coring was performed to verify the presence of rock (instead of intercepting a boulder) and assess its relative quality, as indicated by Core Recovery[2] and the Rock Quality Designation (RQD)[3].

A groundwater observation well could not be installed in any of the completed borings due to shallow bedrock and collapse of soil in the completed Boring B-4.

The test boring logs are included in Appendix A.

[2] The Core Recovery is defined as the ratio (expressed as a percent) of the total length of recovered core to the length cored.

[3] The Rock Quality Designation (RQD) is defined as the ratio (expressed as a percentage) of the total length of recovered core samples having a length of at least twice the core diameter (e.g., about 4 in for NX-core) to the total length of core.

2.3 GENERALIZED SUBSURFACE CONDITIONS

The generalized strata descriptions provided below are based on our interpretation of the results of the subsurface investigation.

Stratum 1 – Sand (3b, 3a, 6) [4] : This stratum generally consists of red-brown coarse to fine sand with some silt, clay, and gravel inclusions. Cobbles and boulders were encountered within this stratum in boring B-4. The N-Values typically range from about 60 to over 100 bpf, which is indicative of a very dense material. The thickness of this stratum varies from thin cover over rock in borings B-1, B-2, and B-3, and is about 18 feet thick in boring B-4.

Stratum 2 – Soft Rock (1d): This stratum was encountered below Stratum 1 at about 18 feet below the cellar slab in boring B-4, and at about below the existing cellar floor slab in borings B-1, B-2, and B-3. The soft rock consists of gray soft/weathered schist to schistose-gneiss with moderate to intensely spaced fracturing. The rock core recovery within the soft/weathered rock ranged from about 60 to 100% and the Rock Quality Designation (RQD) ranged from about zero to 38%.

The third rock core run made in boring B-4 from 25.5-feet to 29.5-feet below the cellar slab indicates an improvement of rock quality with core recovery of about 83% and RQD of about 46% indicative of Class 1c material.

Based on a geotechnical report prepared by Pillori Associates, as provided by Flintlock, four geotechnical test borings were performed at 321-325 West 35th Street, which is located along the southern property line. Based on the boring logs, soft/weathered rock to competent bedrock was encountered at about 26 to 31 feet below grade (about el. + 11 to el. +6, respectively), at the time of the investigation. The depth to rock in boring B-4, which was performed closest to the southern property line of 320 West 36th Street, is approximately 29 feet below the West 36th Street sidewalk level. This depth is consistent with the test borings performed at 321-325 West 35th Street.

2.4 GROUNDWATER LEVEL

A groundwater observation well could not be installed in the completed borings due to the shallow bedrock. Groundwater readings taken at the 321-325 West 35th Street site in January 2013 indicate groundwater is about 14.5 feet below the sidewalk (i.e., about el. +23 ft).

The groundwater is expected to be perched on top of the bedrock and flowing through the fractures within the rock mass. The water is likely flowing towards the south of the site and forming the water table within the "rock basin" to the south.

Since groundwater measurements were not taken over an extended period of time, the measured groundwater level does not adequately reflect seasonal or other time dependent variations that may occur.

[4] Number in brackets is the 2008 NYC Building Code soil classification designation.

3.1 GENERAL

This section presents engineering evaluations and recommendations for the design of the foundations and below grade structures. The evaluations and recommendations are based on the results of the subsurface investigation, our experience on other projects, and the information we have been provided to date on the design requirements for the proposed structure.

3.2 SEISMIC CONSIDERATIONS

Based on the soil profile, the recommended seismic site classification is Site Class C. Therefore, if the Seismic Use Group is I or II, the Seismic Design Category is "B". The appropriate Seismic Use Group should be determined by the Architect or Structural Engineer.

Earthquake induced soil liquefaction is unlikely.

3.3 FOUNDATION RECOMMENDATIONS

3.3.1 Columns and Walls

Shallow Foundation

Based on a top of the cellar slab at about 14 feet below the sidewalk elevation and assuming a mat foundation thickness of about three feet, the bottom of the foundations will be approximately 17 feet below grade (i.e., about el. +19). At this depth, it is estimated that Stratum 2 will be encountered for the central and northern portions of the site and Stratum 1 will be encountered at the southern portion of the site.

Constructing isolated spread footings on rock and piers to rock is not likely to be feasible because of the significant excavations that would be required at the southern portions of the site to reach the rock. Constructing isolated spread footings on rock and soil could result in unacceptable differential settlements at locations where a column bears on rock and an adjacent column bears on soil. In addition, it will be difficult to construct the footings at the transition zone because a foundation cannot bear partly on soil and partly on rock. Therefore, isolated spread footings are not recommended.

A mat foundation will act to distribute the loads better and reduce the potential for differential settlement. However, the feasibility of a mat foundation will depend on many factors, including the foundation types and depths of the adjacent buildings, the proposed building loads, and the estimated mat settlements. If the adjacent buildings have multiple cellar levels or foundations that are located below the proposed foundations of the new building, it will be necessary to match the foundation level of the adjacent buildings and this may decrease the cost effectiveness of a mat foundation. We have not been provided information regarding the extent and depth of any below grade levels of the adjacent buildings. It is recommended that this information be obtained prior to selecting a mat foundation. The recommended maximum bearing capacity for a mat foundation bearing on Stratum 1 and Stratum 2 is 6 and 8 tsf, respectively.

The stresses on the soil from the building loads and mat settlements are estimated by performing mat structural analyses, which require a modulus of subgrade reaction value. For a mat

foundation bearing on Stratum 1 and Stratum 2, it is recommended that analyses be performed for a moduli of subgrade reaction values of 150 and 250 pci, respectively. The structural engineers' plots of estimated soil bearing pressure and settlement of the mat foundation should be provided to us for review. If the stresses or settlement are too high, especially close to the adjacent buildings, settlement reducing elements may be an option, but this will require additional analyses and determination of the cost effectiveness.

Based on the available subsurface information, we cannot accurately estimate where the mat will bear on Stratum 1 and where it will bear on Stratum 2. If this is critical to the design of the mat foundation, it is recommended that additional test borings be performed to better delineate where the mat will transition from Stratum 1 to Stratum 2.

If a mat foundation bearing on Stratum 1 and Stratum 2 is feasible and unsuitable material is encountered at the proposed bottom of the foundations, the unacceptable material should be excavated and replaced with the compacted structural fill. It is also recommended that a "mud-slab" (several inches of lean concrete) or a 4-inch thick minimum layer of ¾ inch gravel or crushed stone be placed on the subgrade prior to pouring the mat foundation. See Section 4.6 for the proper preparation of the subgrade.

Deep Foundations

If a mat foundation is not feasible, or desired, it is recommended that the building be supported on a combination of footings bearing on rock, piers to rock, and piles. The recommended allowable bearing capacity for footings and piers bearing on Class 1d rock is 8 tsf. Based on our experience, performing excavations below approximately 10 feet to install a pier to rock becomes impractical; therefore, if the rock is greater than 10 feet below the excavation level, it is recommended that piles be installed. Due to the relatively shallow rock conditions, it is recommended that drilled piles (i.e., caissons) be installed. In addition, pile driving may cause excessive vibration and settlement of the adjacent buildings, which are likely to be supported on a shallow foundation.

Caissons should be drilled through Class 1d rock and socketed into Class 1c, or better, rock. Based on the borings performed to date, there may be locations on the site where a significant amount of weathered (Class 1d) rock may be encountered. The amount of time needed to drill through this material adds uncertainty to the drilling cost and schedule.

Selection of the optimum /caisson capacity will depend on the building loads. Maximizing the caisson capacity will minimize the number of caissons and result in the most cost effective foundation. The final design of the caisson is often performed by the contractor, because some contractors have their preferred design methods and materials. For the purpose of preparing design drawings and evaluating costs, the following caisson sizes and capacities can be used:

Maximum Allowable Compression Capacity (tons)	Steel Casing Outside Diameter (see Note 1) (in.)	Steel Casing Thickness (in.)	Number and Size of Reinforcing Bars (see Note 1)	Maximum Allowable Uplift Capacity (tons)	Minimum Rock Socket Length (see Note 2) (ft)
200	9.625	0.545	1 - #24	150	10
400	13.375	0.48	2 - #24	200	10

Notes:

1. The estimated caisson capacities are based on steel casing and reinforcing bar minimum yield strengths of 50 ksi and 75 ksi, respectively. The casing shall be installed at least 1 foot into the rock. The reinforcing steel shall be installed through the cased and uncased (i.e., rock socket) portions of the caissons. The connection of the reinforcement to the pile cap shall be designed by others.
2. The rock socket length is based on the socket being in Class 1c rock or better. Axial load tests are not required to substantiate the caisson capacity; however, video inspection (special inspection) of the rock socket for each caisson is required.
3. The concrete/grout compression strength should be 6,000 psi.
4. The minimum center-to-center caisson spacing shall be 2.5 times the outside diameter, but not less than 4 ft.

The Code allows for a 1-ton lateral design load without performing additional lateral pile analyses or lateral load tests. If more than 1 ton lateral capacity is needed, it is recommended that lateral pile analyses or load tests be performed to determine if the selected pile(s) can resist the lateral loads.

3.3.2 Cellar Floor Slab

Assuming that the bottom of the mat foundation will be at a depth of approximately 17 feet, it is estimated that the cellar slab will be below the recommended design groundwater elevation (see Section 3.5). It is recommended that the cellar floor slab be designed as a slab-on-grade that resists hydrostatic pressures. The subgrade at the cellar level will require proper preparation, as included in Section 4.6, to reduce the potential for slab cracking.

3.4 LATERAL EARTH PRESSURES

The design lateral pressures for permanent below grade walls consist of static and seismic pressures that are influenced by the thickness and type of overburden material. It is recommended that the below grade walls above and below the design groundwater level be designed for a static lateral soil pressure of 45 pcf and 85 pcf, respectively. In addition, a seismic lateral soil force of $6H^2$ (lb/ft of wall), where H is the total vertical height of the foundation wall,

in feet, should be included. This force should be applied at a distance of H/3 from the top of the wall (i.e., wall pressure is an inverted triangle).

The recommended lateral pressure does not include any surcharge loads adjacent to the walls or at the ground surface. It is recommended that a uniform (i.e., rectangular) lateral pressure distribution of 0.40 times the surcharge be added to the lateral soil and rock pressure distribution. The structural engineer should determine the magnitude of the surcharge loads (i.e., live loads).

3.5 PERMANENT GROUNDWATER CONTROL

The groundwater level is expected to be about el. +23 within the sand material (Stratum 1), and either perched on top of the soft rock and/or flowing through fractures within the rock (Stratum 2). Considering that the groundwater level may fluctuate due to seasonal conditions, the recommended design groundwater elevation is el. +26 feet.

The bottom of the cellar slab will likely be below the design groundwater elevation; therefore, the below grade walls and slab should be designed to resist groundwater pressures and be fully waterproofed. Waterproofing materials should be installed on the outside of the perimeter walls (Grace Construction Products Bituthene 3000 for two-sided form applications and Preprufe 160R for blind side applications, or approved equivalent) and directly beneath the cellar floor slab (Grace Construction Products Preprufe 300R, or equivalent). The waterproofing on the perimeter walls should be installed to the ground surface. Waterstops should be installed at applicable locations.

Quality control is critical to a successful waterproofing project. Careful installation, diligent protection, and close full-time oversight are critical to produce a final product that limits the potential for seepage. It is recommended that a warrantee be obtained from the installer to cover materials and workmanship. Only certified installers approved by the product manufacturer should perform the work. The installation of all waterproofing elements should be inspected on a full time basis to confirm that the waterproofing is being applied as per the manufacturer's specifications and details. A representative of the manufacturer should perform final waterproofing inspection, in coordination with the waterproofing inspector, and approve all waterproofing work prior to concrete placement.

It is also recommended that the project team consider the benefits of a "sandwich" slab, which consists of the pressure slab, a gravel filled layer with perforated pipes connected to a sump pit, and a wearing slab. This system minimizes penetrations through the pressure slab and provides a way to manage water that may leak from the pressure slab or at connections between the pressure slab and the foundation walls or other critical locations.

4.1 GENERAL

This section presents a discussion and recommendations regarding special geotechnical aspects of the proposed construction, which should be addressed in the project specifications and contract documents.

4.2 EXCAVATION CONSIDERATIONS

Local temporary soil excavations above and below the groundwater level can have cut slopes as steep as 1.5H:1V and 2H:1V, respectively, unless steeper slopes are approved by the support of excavation (SOE) engineer. The slopes of any excavations adjacent to the existing structures should be no steeper than 2H:1V, unless approved by the SOE engineer.

All vertical soil faces will require temporary support until the new cellar walls and foundations are constructed and the area is properly backfilled. Considering the subsurface condition and proposed cellar level, a feasible support system at the north and south sides of the site may consist of soldier piles and timber lagging with sufficient lateral restraint (e.g., anchors, rakers, bracing, etc.), as required. The soldier piles at the north side of the site will need to be drilled into the rock.

Measurements of vibration levels should be made in selected adjacent structures during the installation of the support system. The maximum allowable vibration levels should be established as part of the pre-construction survey. Considering the proximity of the adjacent buildings, the vibrations from driving or vibrating the soldier piles may cause damage to the adjacent buildings; therefore, it is recommended that all soldier piles be drilled so that the vibrations are reduced.

The design and construction of any slopes and/or temporary excavation support systems should be the responsibility of a licensed New York Professional Engineer. All excavations and temporary support systems should conform to pertinent OSHA and local safety regulations.

4.3 UNDERPINNING

Underpinning will be required at locations where the foundations of existing adjacent structures are above the proposed excavation levels. Underpinning of the adjacent structures should transfer the foundation loads from their present bearing level to a level below the lowest excavation elevation of the proposed building.

As discussed in a previous section, information regarding the extent and depth of any below grade levels of the adjacent buildings is not known at the time of our investigation. It is recommended that information be obtained regarding the elevations, locations, and bearing grades of the foundations of the adjacent structures. It is recommended that a site walk through of the adjacent structures be performed for the purpose of determining the extents of the cellar level, the cellar depth, and any other features (e.g., elevator pits, ejector pits, etc.) that may affect the design and construction of the proposed new building. This information can then be used to develop a test pit plan. The purposes of the test pits are to document the size, depth, and type of foundation of the adjacent buildings, as well as any below-grade encroachments that may be

present. This information should then be reviewed for estimating underpinning needs and for development of underpinning drawings, as necessary.

Underpinning operations should be inspected full time during construction by a qualified engineer.

4.4 TEMPORARY GROUNDWATER CONTROL

If a mat is constructed, the groundwater should be maintained at least 2 feet below the bottom of the excavation, so that the foundation bearing surface can be adequately prepared. Based on the present design information, it is estimated that construction of a mat foundation may require excavations to depths of 17 feet (approximately el. +19 ft), with deeper excavations at the elevator and ejector pit locations. Assuming that the groundwater remains at about el. +23 ft, it is estimated that temporary dewatering will be required. Since the groundwater may be perched, it may be possible for the contractor to use sump pits and pumps to control the water. Discharge of groundwater to the sewer will require a discharge permit from the NYCDEP.

4.5 CAISSON INSTALLATION AND TESTING

If caissons are installed, they should be performed by a contractor with experience on similar projects. The contract specifications should require that the proposed contractor submit a construction procedure to the Engineer for review and approval prior to beginning the work. It is the responsibility of the contractor to use an installation method that will not cause damage to adjacent structures. The use of air or undereamers to advance the casing through the overburden may cause damage to adjacent structures if the air cannot be contained in the casing. Control of the air will depend on the drillers equipment, procedures, and experience. If the driller cannot control the air, they will have to switch to another method, which typically consists of using water with no air. The use of water to advance the casing may be much slower than using air; therefore, this should be taken into consideration when obtaining pricing from the contractor.

All aspects of the caisson installation should be inspected on a full time basis. The use of air during advance of the casing and the drilling of the rock socket should be closely monitored by the special inspector. Upon completion of the caisson drilling, the caisson should be thoroughly cleaned prior to installing the reinforcement and grout/concrete.

If caissons are installed, the Code requires that either a load test be performed or that each rock socket be inspected with a downhole video camera. Most projects perform a camera inspection of all rock sockets. The Contractor should provide appropriate equipment to provide clear and unobscured camera inspection of all rock sockets. The special inspector should be present during the camera inspection to confirm that the casing is well seated in the rock and that the rock socket consists of Class 1c, or better, rock.

4.6 SUBGRADE PREPARATION

The subgrade surface for a mat foundation or the cellar slab should be level and cleaned of loose soil, mud, and other material (such as concrete, brick, wood, debris, etc.) that can have a negative impact on the performance of the foundation or slab. If directed by the Special Inspector, the soil subgrade should be proof-rolled with a minimum of 6 passes of a smooth drum roller with a

minimum 1500 lb. static weight and minimum centrifugal force of 4,000 lbs, or similar approved equipment. Any unstable areas encountered which cannot be stabilized by additional compaction should be excavated to competent material and the area backfilled with compacted structural fill or ¾" stone. The proof-rolling should not be performed when the subgrade is wet, muddy, or frozen. If the foundations or floor slab are constructed in the winter, the subgrade should be protected from frost action to limit possible subgrade deterioration resulting from freezing and thawing cycles. The concrete should not be poured if the subgrade is wet, muddy, or frozen.

A 4-inch thick layer of compacted coarse aggregate, commonly known as ¾" gravel or crushed stone, or a "mud-slab" (i.e., 2 inches of lean concrete), should be placed on the approved subgrade so that the subgrade is properly protected from disturbance.

4.7 BACKFILL AND COMPACTION REQUIREMENTS

Select backfill or structural backfill should be granular soils free of cinder, brick, asphalt, ash, and other unsuitable materials. Such material should not contain any boulders or cobbles larger than about 4 inches across, and should have a fine content (material passing the No. 200 sieve) less than 15 percent. It is recommended that structural backfill or select backfill beneath the proposed building foundations be compacted to a minimum of 95% of the maximum dry density, as determined by ASTM D1557-88, Method C. All backfill should be placed in lifts not exceeding 8-in. in loose thickness. If requested by the special inspector, the subgrade underneath the backfill should be satisfactorily proofrolled prior to the placement of backfill. Backfill placed beneath slabs-on-grade, behind below-grade walls, and underneath sidewalks should be compacted to a minimum of 90% of the maximum dry density. Backfill placed in landscaped areas should be compacted to a minimum of 85% of the maximum dry density.

4.8 PRE-CONSTRUCTION DOCUMENTATION REPORT AND MONITORING

A pre-construction documentation report of the adjacent structures should be performed for the protection of the new building owner in the event of a future damage claim. This is also required by the NYC Department of Buildings. The report should include detailed documentation and photographs of the existing condition of the structures. Based on the survey results, a monitoring program should be developed for the purpose of checking the performance of the adjacent structures or utilities and for monitoring construction procedures. This monitoring program should include, at a minimum, recommendations for the location of survey points to monitor vertical and horizontal movements, locations for crack gauges, and locations for monitoring vibrations during key construction activities. The monitoring program should also include threshold levels for allowable movements and vibrations, and the procedures to be implemented if the threshold levels are exceeded during construction.

4.9 CONSTRUCTION MONITORING

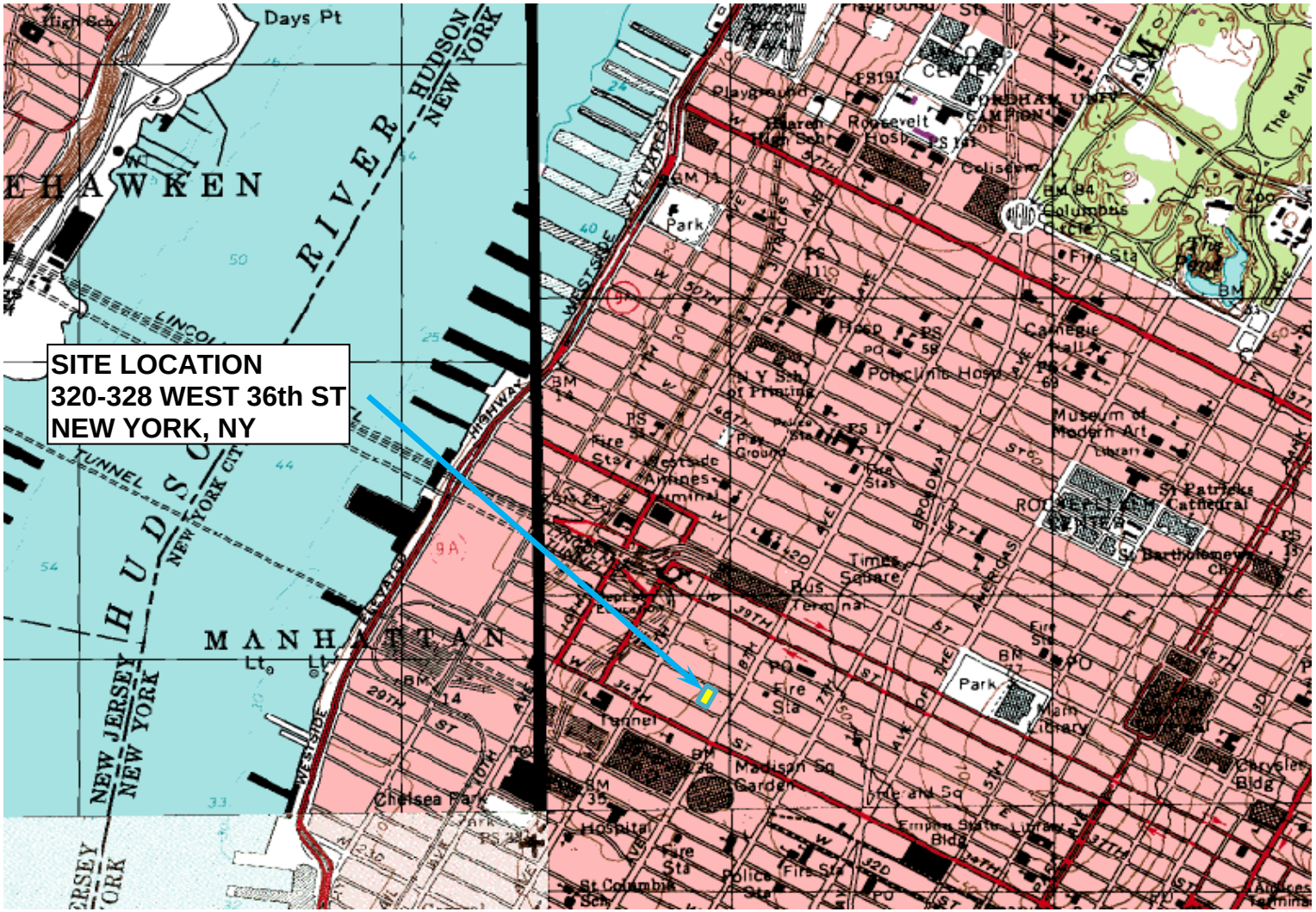
It is recommended that a geotechnical engineer familiar with the subsurface conditions and foundation design criteria, review the foundation contractors procedures and provide inspection services during excavation and foundation construction. Geotechnical related inspection services should include:

- Review and approval of contractor submittals related to foundation construction;
- Observation and documentation of all phases of excavation and foundation construction.
- Special inspection of the foundation subgrade.
- Full time special inspection of caissons.
- Monitoring of subgrade preparation and structural fill placement and compaction.
- Special inspection of underpinning (if required) and support of excavation.
- Monitoring of vibrations and review of monitoring data.

Professional judgments were necessary in relation to determining stratigraphy and soil properties from the subsurface investigations. Such judgments were based partly on the evaluation of the technical information gathered, and partly on our experience with similar projects. If further investigation reveals differences in the subsurface conditions and/or groundwater level, or if the proposed building elevations or design are different from those indicated herein, it is recommended that we be given the opportunity to review this new information and modify our recommendations, if deemed appropriate.

The results presented in this report are applicable only to the present study, and should not be used for any other purpose without our review and consent. This study has been conducted in accordance with the standard of care commonly used as state-of-the-practice in the profession. No other warranties are either expressed or implied.

FIGURES



N

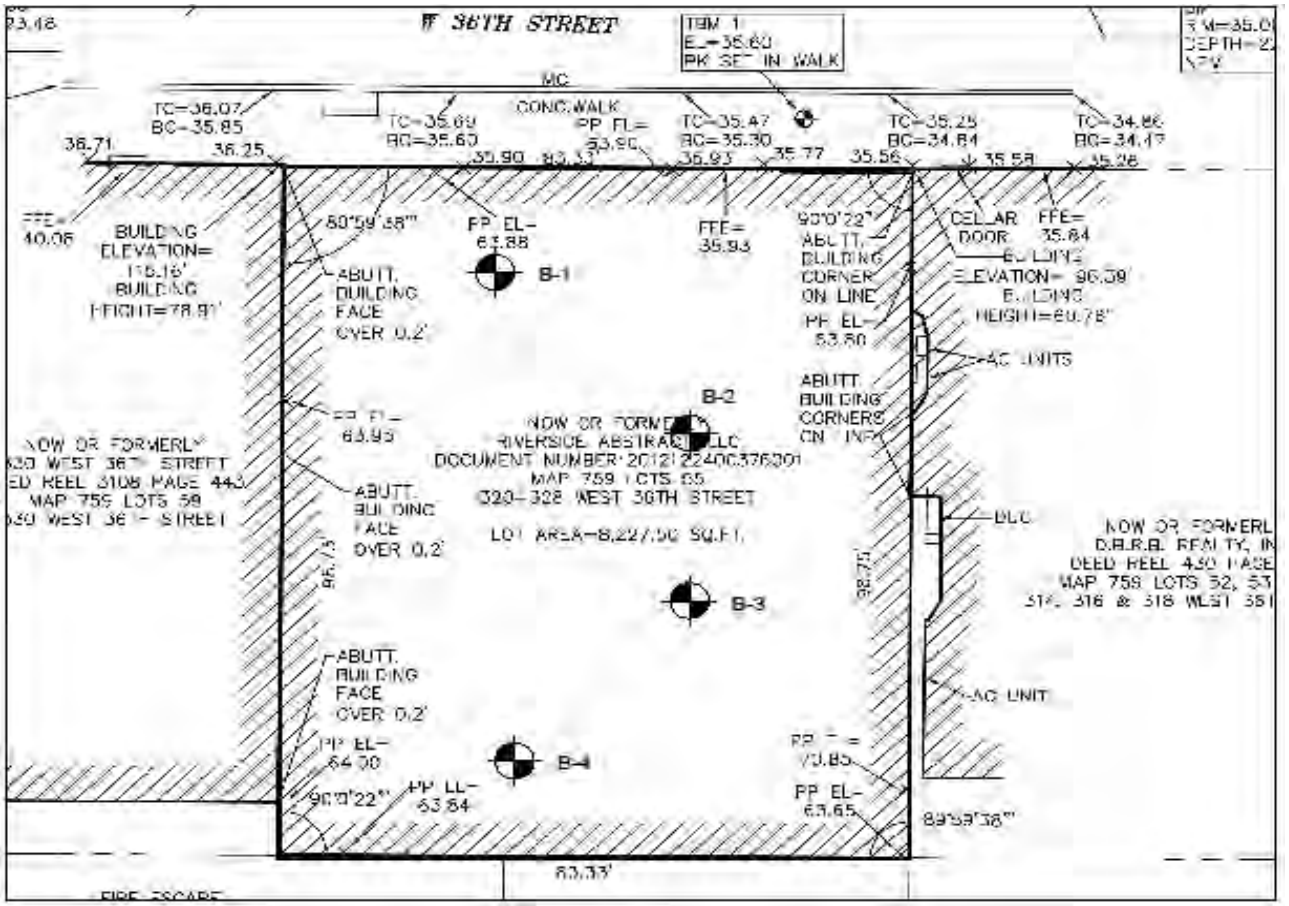
Site Location Plan
320-328 West 36th Street
New York, New York

URS
CLIFTON, NEW JERSEY

DR. BY: JR	SCALE: NTS	PROJ: 11100652
	DATE: Feb. 14, 2014	FIG NO: 1

Map Source : U.S.G.S. 7.5 Minute Series Quadrangles: Central Park, NY

I:\Projects\11100652 (320-328 W. 36th St.)\9. Reports\Fig 1 - SiteLocPlan.xls



Notes:

1. Base plan taken from "Existing Conditions Plan, 320-328 West 36th Street Parking Garage" prepared by WSP Transportation & Infrastructure, dated January 7, 2014.
2. Elevations are Borough of Manhattan Topographical Bureau Datum.

Boring Location Plan
360-328 West 36th Street
New York, New York

URS
CLIFTON, NEW JERSEY

DR. BY: JR	SCALE: NTS	PROJ: 11100652
	DATE: Feb. 14, 2014	FIG NO: 2

I:\Projects\11100652 (320-328 W. 36th St.)\9. Reports\Fig 2 - BoringLocPlan

APPENDIX A
TEST BORING LOGS

Project: 320 W 36th Street
Project Location: 320 W 36th Street, New York, NY
Project Number: 11100652

Log of Boring B-1

Sheet 1 of 1

Date(s) Drilled	**2/10/14 - 2/10/14**	Logged By	**H. Arana**	Approximate Surface Elevation (feet)	**24 BPMD**
Drilling Method	**Mud Rotary**	Drilling Contractor	**Warren George Inc.**	Coordinates	**North:** **East:**
Casing Size/Type	**4" Steel**	Drill Rig Operator	**Freddy Navarro**	Total Depth Drilled (feet) **8.0**	Rock Depth (feet) **2.5**
Drill Rig Type	**Acker DK50**	Drill Bit Size/Type	**3 7/8 Tricone**	Sampler Type(s)	**2" Split Spoon**
Groundwater Level and Date Measured		Hammer Wt/Drop **140 lb. Donut/30"**	Casing Hammer Wt/Drop **300 lb. Donut/30"**	Core Barrel Size/Type	**NX**
Boring Location and Comments	**13' from inside wall on north side; 26' from inside wall on west side**			No. of Samples **Dist.: 1** **Undist.: 0** **Core (ft): 5**	

Depth, feet	Soil Samples: Type, Number	Soil Samples: Recov. (ft)	Soil Samples: Pen. Resist. (blows/6 in)	Rock Coring: Run Number	Rock Coring: Recov. (%)	Rock Coring: RQD (%)	Graphic Log	MATERIAL DESCRIPTION	Liquid Limit	Plastic Limit	Water Cont.(%)	% Fines	REMARKS/ OTHER TESTS
0								Concrete slab - 5" thick					
	S-1	0.8	6 6 8 30					Brown c-f SAND, some c-f Gravel, some Silt, trace mica (SM) [3b]					
5				R-1	100	30		Schistose GNEISS, medium to fine grained, slightly to moderately weathered (deeply weathered from 3' to 5' BGS), moderately fractured, medium hardness [1d]					
								End of boring at 8' below ground surface					
10													
15													
20													
25													

Project: 320 W 36th Street
Project Location: 320 W 36th Street, New York, NY
Project Number: 11100652

Log of Boring B-2

Sheet 1 of 1

Date(s) Drilled	**2/5/14 - 2/6/14**	Logged By	**H. Arana & J. Rodger**	Approximate Surface Elevation (feet)	**24 BPMD**
Drilling Method	**Mud Rotary**	Drilling Contractor	**Warren George Inc.**	Coordinates	**North:** **East:**
Casing Size/Type	**4" Steel**	Drill Rig Operator	**Freddy Navarro**	Total Depth Drilled (feet) **7.8**	Rock Depth (feet) **1.0**
Drill Rig Type	**Acker DK50**	Drill Bit Size/Type	**3 7/8 Tricone**	Sampler Type(s)	**2" Split Spoon**
Groundwater Level and Date Measured		Hammer Wt/Drop **140 lb. Donut/30"**	Casing Hammer Wt/Drop **300 lb. Donut/30"**	Core Barrel Size/Type	**NX**
Boring Location and Comments	**37' from inside wall on north side; 52' from inside wall on west side**			No. of Samples	**Dist.: 1** **Undist.: 0** **Core (ft): 5**

Depth, feet	Soil Samples: Type, Number	Soil Samples: Recov. (ft)	Soil Samples: Pen. Resist. (blows/6 in)	Rock Coring: Run Number	Rock Coring: Recov. (%)	Rock Coring: RQD (%)	Graphic Log	MATERIAL DESCRIPTION	Liquid Limit	Plastic Limit	Water Cont.(%)	% Fines	REMARKS/ OTHER TESTS
0								Concrete slab - 6" thick					
	S-1	0.5	50/6"					Brown c-f SAND, some Silt, trace Mica (SM) [3a]					Roller Bit to 2.75
5				R-1	100	68		Schistose GNEISS, light grey to reddish, medium to fine grained, slightly weathered, slightly fractured, medium hardness [1b]					
								End of boring at 7.75' below ground surface					
10													
15													
20													
25													

Project: 320 W 36th Street
Project Location: 320 W 36th Street, New York, NY
Project Number: 11100652

Log of Boring B-3

Sheet 1 of 1

Date(s) Drilled	**2/7/14 - 2/7/14**	Logged By	**H. Arana**	Approximate Surface Elevation (feet)	**24 BPMD**
Drilling Method	**Mud Rotary**	Drilling Contractor	**Warren George Inc.**	Coordinates	**North:** **East:**
Casing Size/Type	**4" Steel**	Drill Rig Operator	**Freddy Navarro**	Total Depth Drilled (feet) **8.5**	Rock Depth (feet) **1.0**
Drill Rig Type	**Acker DK50**	Drill Bit Size/Type	**3 7/8 Tricone**	Sampler Type(s)	**2" Split Spoon**
Groundwater Level and Date Measured		Hammer Wt/Drop **140 lb. Donut/30"**	Casing Hammer Wt/Drop **300 lb. Donut/30"**	Core Barrel Size/Type	**NX**
Boring Location and Comments	**60' from inside wall on north side; 52' from inside wall on west side**			No. of Samples **Dist.: 1** **Undist.: 0** **Core (ft): 5**	

Depth, feet	Soil Samples: Type, Number	Recov. (ft)	Pen. Resist. (blows/6 in)	Rock Coring: Run Number	Recov. (%)	RQD (%)	Graphic Log	MATERIAL DESCRIPTION	Liquid Limit	Plastic Limit	Water Cont.(%)	% Fines	REMARKS/ OTHER TESTS
0								Concrete slab					
	S-1A	0.7	40					Top 4" - Brown c-f SAND, some Silt, trace concrete, trace mica (fill) [7]					
	S-1B		100/2"					Bottom 4" - Light gray, c-f GRAVEL, some m-f Sand, trace silt/mica (soft rock) (GP) [2a]					Roller Bit to 3.5
5				R-1	97	10		Schistose GNEISS, light gray to gray, medium to fine grained, moderately to deeply weathered, closely fractured, soft rock [1d]					
								End of boring at 8.5' below ground surface					
10													
15													
20													
25													

Project: 320 W 36th Street
Project Location: 320 W 36th Street, New York, NY
Project Number: 11100652

Log of Boring B-4

Sheet 1 of 2

Date(s) Drilled	**2/4/14 - 2/5/14**	Logged By	**H. Arana & J. Rodger**	Approximate Surface Elevation (feet)	**24 BPMD**
Drilling Method	**Mud Rotary**	Drilling Contractor	**Warren George Inc.**	Coordinates	**North:** **East:**
Casing Size/Type	**4" Steel**	Drill Rig Operator	**Freddy Navarro**	Total Depth Drilled (feet) **29.5** / Rock Depth (feet)	**18.0**
Drill Rig Type	**Acker DK50**	Drill Bit Size/Type	**3 7/8 Tricone**	Sampler Type(s)	**2" Split Spoon**
Groundwater Level and Date Measured		Hammer Wt/Drop **140 lb. Donut/30"** / Casing Hammer Wt/Drop **300 lb. Donut/30"**		Core Barrel Size/Type	**NX**
Boring Location and Comments	**12' from inside wall on south side; 29.5' from inside wall on west side**			No. of Samples	**Dist.: 5** **Undist.: 0** **Core (ft): 12**

Depth, feet	Soil Samples: Type, Number	Recov. (ft)	Pen. Resist. (blows/6 in)	Rock Coring: Run Number	Recov. (%)	RQD (%)	Graphic Log	MATERIAL DESCRIPTION	Liquid Limit	Plastic Limit	Water Cont.(%)	% Fines	REMARKS/ OTHER TESTS
0								Concrete slab					
	S-1	0.8	10 9 11 15					Reddish Brown, c-f SAND, some c-f Gravel, trace Silt, trace clay (SP) [3b]					
													Cored through 12" Boulder
5	S-2	0.8	30 35 34 34					Reddish Brown, c-f SAND, some c-f Gravel, trace Silt, trace clay (SP) [3a]					
10	S-3	0.0	100/2"					No Recovery					Cored through 4" Cobble
	S-4	0.8	30 41 63 100/5"					Reddish Brown, m-f SAND, some clay, trace Silt, trace f Gravel (SC) [3a]					
15	S-5	0.5	30 56 70 100/3"					Brown, m-f SAND, some Silt, trace f Gravel (SM) [3a]					
20				R-1	87	38		Mica SCHIST, gray, medium to fine grained, slightly to moderately weathered, moderately to closely fractured (22-23' bgs closely fractured) [1c]					
25				R-2	60	0		Mica SCHIST, gray, medium to fine grained, moderately weathered, closely fractured, soft [1d]					

Project: 320 W 36th Street
Project Location: 320 W 36th Street, New York, NY
Project Number: 11100652

Log of Boring B-4

Depth, feet	Soil Samples: Type, Number	Soil Samples: Recov. (ft)	Soil Samples: Pen. Resist. (blows/6 in)	Rock Coring: Run Number	Rock Coring: Recov. (%)	Rock Coring: RQD (%)	Graphic Log	MATERIAL DESCRIPTION	Liquid Limit	Plastic Limit	Water Cont.(%)	% Fines	REMARKS/ OTHER TESTS
25													
				R-3	83	46		Mica SCHIST, gray, medium to fine grained, slightly to moderately weathered, moderately fractured, soft to medium hardness [1c]					
30								End of boring at 8' below ground surface					
35													
40													
45													
50													

APPENDIX 2 – FIELD NOTES

ENVIRONMENTAL CONSULTANTS

960 S. Broadway Hicksville, NY

Date: 1/6/15

SAMPLE INFORMATION RECORD

PROJECT NO.: 7648- NYNY Sampling Personnel: TY

Job Locations: 320 W 36th NYC

Field Sample Designation: SV-1 Time: _____

Weather: very cold, snowy Temperature: _____

SAMPLE TYPE:

GROUNDWATER: _____ SEDIMENT: _____

SURFACE WATER: _____ SOIL: soil vapor

AIR: _____ OTHER (describe): _____

GROUNDWATER INFORMATION:

Depth to Groundwater: _____ Measurement Method: _____

Depth of well or Sampling Point: _____ Measurement Method: _____

Volume of Groundwater Purged: _____ Purge Method: _____

FIELD TEST RESULTS:

Color: _____ pH: _____ Odor: _____

Temperature (°F/°C): _____ Specific Conductance (µmhos/cm): _____

Other: PID: _____ ppm Helium Detector: _____ ppm

Canister #: 532 Initial Pressure: -30" Hg Start Time: 918 AM

Flow Regulator #: 7422 Final Pressure: -8" Hg End Time: 1327

SAMPLE ANANLYSIS:

TO-15

REMARKS:

depth: ~~3~~ 3.5-4' ft

ENVIRONMENTAL CONSULTANTS

960 S. Broadway Hicksville, NY

Date: 1/6/15

SAMPLE INFORMATION RECORD

PROJECT NO.: 7648-NYNY Sampling Personnel: TY

Job Locations: 320 W 36th NYC

Field Sample Designation: SV-2 Time: _____

Weather: cold, snowy Temperature: _____

SAMPLE TYPE:

GROUNDWATER: _____ SEDIMENT: _____

SURFACE WATER: _____ SOIL: soil vapor

AIR: _____ OTHER (describe): ~~SOIL~~

GROUNDWATER INFORMATION:

Depth to Groundwater: _____ Measurement Method: _____

Depth of well or Sampling Point: _____ Measurement Method: _____

Volume of Groundwater Purged: _____ Purge Method: _____

FIELD TEST RESULTS:

Color: _____ pH: _____ Odor: _____

Temperature (°F/°C): _____ Specific Conductance (µmhos/cm): _____

Other: PID: _____ ppm Helium Detector: _____ ppm

Canister #: ~~5530~~ 530 Initial Pressure: -35" Hg Start Time: 915 AM

Flow Regulator #: Y18 Final Pressure: -6" Hg End Time: 1415 ~~1444~~

SAMPLE ANANLYSIS:

TO-15

REMARKS:

Y18 starts below -30" Hg @ -35" Hg

depth: 3.5-4' ft

ENVIRONMENTAL CONSULTANTS

960 S. Broadway Hicksville, NY

Date: 1/6/15

SAMPLE INFORMATION RECORD

PROJECT NO.: 7648-NYNY Sampling Personnel: TY

Job Locations: 320 W36th NYC

Field Sample Designation: SV-3 Time: _____

Weather: very cold, snowy Temperature: _____

SAMPLE TYPE:

GROUNDWATER: _____ SEDIMENT: _____

SURFACE WATER: _____ SOIL: soil vapor point

AIR: _____ OTHER (describe): _____

GROUNDWATER INFORMATION:

Depth to Groundwater: _____ Measurement Method: _____

Depth of well or Sampling Point: _____ Measurement Method: _____

Volume of Groundwater Purged: _____ Purge Method: _____

FIELD TEST RESULTS:

Color: _____ pH: _____ Odor: _____

Temperature (°F/°C): _____ Specific Conductance (µmhos/cm): _____

Other: PID: _____ ppm Helium Detector: _____ ppm

Canister #: S29 Initial Pressure: -30" Hg Start Time: 921 AM

Flow Regulator #: Y27 Final Pressure: -8" Hg End Time: 1252 PM

SAMPLE ANANLYSIS:

_____ _____ _____ _____

_____ _____ _____ _____

REMARKS:

depth: 1.5-2' ft

Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS

960 S. Broadway Hicksville, NY

Date: 1/6/15

SAMPLE INFORMATION RECORD

PROJECT NO.: 7648- NYNY Sampling Personnel: TY

Job Locations: 320 W36th NYC

Field Sample Designation: SV-4 Time: _____

Weather: _____ Temperature: _____

SAMPLE TYPE:

GROUNDWATER: _____ SEDIMENT: _____

SURFACE WATER: _____ SOIL: soil vapor point

AIR: _____ OTHER (describe): _____

GROUNDWATER INFORMATION:

Depth to Groundwater: _____ Measurement Method: _____

Depth of well or Sampling Point: _____ Measurement Method: _____

Volume of Groundwater Purged: _____ Purge Method: _____

FIELD TEST RESULTS:

Color: _____ pH: _____ Odor: _____

Temperature (°F): _____ Specific Conductance (µmhos/cm): _____

Other (PID): _____

SAMPLE ANANLYSIS:

_____ _____ _____ _____

_____ _____ _____ _____

REMARKS:

start - 35" Hg 922AM

end - 8" Hg 1311 PM

[canister - #531
flow regulator - 7416] (depth: 3.5-4' ft)

Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS

960 S. Broadway Hicksville, NY

Date: 1/6/15

SAMPLE INFORMATION RECORD

PROJECT NO.: 7648- NYNY Sampling Personnel: TY

Job Locations: 320 W36th NYC

Field Sample Designation: SV-5 Time: _____

Weather: very cold, snowy Temperature: _____

SAMPLE TYPE:

GROUNDWATER: _____ SEDIMENT: _____

SURFACE WATER: _____ SOIL: soil vapor point

AIR: _____ OTHER (describe): _____

GROUNDWATER INFORMATION:

Depth to Groundwater: _____ Measurement Method: _____

Depth of well or Sampling Point: _____ Measurement Method: _____

Volume of Groundwater Purged: _____ Purge Method: _____

FIELD TEST RESULTS:

Color: _____ pH: _____ Odor: _____

Temperature (°F): _____ Specific Conductance (µmhos/cm): _____

Other (PID): _____

SAMPLE ANANLYSIS:

_____ _____ _____ _____

_____ _____ _____ _____

REMARKS:

start -30" Hg 938 AM

end -8" Hg 1315

canister - 511

flow regulator - 7421

(depth: 1.5-2' ft)

APPENDIX 3 – SOIL BORING LOGS

Soil Boring Log

Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS

Project No: 7768-NYNY
Site: 320-328 West 36th Street
Client: AC 320 Hotel Partners LLC
Water Table Level: Approximately 5.5' bgs

Boring No: ***SB-1***
Date Drilled: 1/6/15
Geologist: T. Young
S. Walls

Depth (feet)	Description (Unified Soils Classification)	Sample Depth	PID (ppmv)	Inches of Recovery	Remarks
0			0.0		
	0-.5': Concrete	0	0.0		
1		to	0.0		
		2	0.0		
2	0.5-4': Dry, red-brown, silty sands mixed		0.0	35"	
	with rock fragments and pebbles		0.0		
3			0.0		
			0.0		
4			0.0		
			0.0		No odor or staining observed.
5			0.0		
			0.0		
6	5-6': Same as above		0.0		
			0.0	3"	
7			0.0		
			0.0		Saturated at approximately 5.5' bgs.
8			0.0		Refusal/bedrock 6' bgs.
			0.0		No odor or staing observed.
9					
10					
11					
12					

Rig Type: ***AMS Power Probe***
Driller: ***ACT - Tim Young***

Reviewed by: ***Paul Stewart***
Sheet No: 1 of 1

Soil Boring Log

Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS

Project No: 7768-NYNY
Site: 320-328 West 36th Street
Client: AC 320 Hotel Partners LLC
Water Table Level: Approximately 8' bgs

Boring No: ***SB-2***
Date Drilled: 1/5/15
Geologist: T. Young
S. Walls

Depth (feet)	Description (Unified Soils Classification)	Sample Depth	PID (ppmv)	Inches of Recovery	Remarks
0			0.0		
	0-0.25': Concrete	0	0.0		
1		to	0.0		
		2	0.0		
2	0.25-4': Moist, orange-brown, fine to med		0.0	15"	
	sand mixed with silt and rock fragments		0.0		
3			0.0		
			0.0		
4			0.0		
			0.0		No odor or staining observed.
5			0.0		
			0.0		
6	4-8': Moist, red-brown, silty sands mixed	6	0.0		
	with large rock fragments	to	0.0	32"	
7		8	0.0		
			0.0		
8			0.0		
			0.0		No odor or staining observed.
9			0.0		
	8-9': Moist to saturated, brown, fine to		0.0		
10	coarse sand				Refusal/bedrock 9' bgs.
11					
12					No odor or staining observed

Rig Type: ***AMS Power Probe***
Driller: ***ACT - Tim Young***

Reviewed by: ***Paul Stewart***
Sheet No: 1 of 1

Soil Boring Log

Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS

Project No: 7768-NYNY
Site: 320-328 West 36th Street
Client: AC 320 Hotel Partners LLC
Water Table Level: Approximately 9' bgs

Boring No: ***SB-3***
Date Drilled: 1/6/15
Geologist: T. Young
S. Walls

Depth (feet)	Description (Unified Soils Classification)	Sample Depth	PID (ppmv)	Inches of Recovery	Remarks
0			0.0		
	0-0.25': Concrete	0	0.0		
1		to	0.0		
		2	0.0		
2	0.25-5': Moist,red-brown, medium to		0.0	15"	
	very coarse sand mixed with silt, rock		0.0		
3	fragments and pebbles		0.0		
			0.0		
4			0.0		
			0.0		No odor or staining observed.
5	5-6.5': Moist, red-brown, medium to		0.0		
	very coarse sand mixed with silt, rock		0.0		
6	fragments and pebbles	6	0.0		
		to	0.0	32"	
7	6.5-8': Moist, red-brown, silty sand mixed	8	0.0		
	with rock fragments and pebbles		0.0		
8			0.0		
			0.0		No odor or staining observed.
9			0.0		
	8-9': Moist to saturated, red-brown, silty	11"	0.0		
10	sand mixed with rock fragments and				Refusal/bedrock 9' bgs.
	pebbles				
11					
12					No odor or staining observed

Rig Type: ***AMS Power Probe***
Driller: ***ACT - Tim Young***

Reviewed by: ***Paul Stewart***
Sheet No: 1 of 1

Soil Boring Log

Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS

Project No: 7768-NYNY
Site: 320-328 West 36th Street
Client: AC 320 Hotel Partners LLC
Water Table Level: Approximately 6.2' bgs

Boring No: ***SB-4***
Date Drilled: 12/29/14
Geologist: T. Young
S. Walls

Depth (feet)	Description (Unified Soils Classification)	Sample Depth	PID (ppmv)	Inches of Recovery	Remarks
0	0-0.3': Concrete		0.0		
		0	0.0		
1	0.3-1.8': Dry, medium to dark brown, silty	to	0.0		
	fine sands mixed with gravel and pebbles	2	0.0		
2			0.0	36"	
	1.8-4.0': Dry, medium to dark brown,		0.0		
3	to black shales, terrestrial fragments		0.0		
			0.0		
4	4.0-5': Dry, brown, fill materials		0.0		
			0.0		No odor or staining observed.
5	5.0-6.0'L Dry, light brown, fine grained		0.0		
	sands mixed with large fragments		0.0		
6		4	0.0		
	6.0-7.0': Moist to saturated, light brown,	to	0.0	48"	
7	silty fine grained sands	6	0.0		
			0.0		Refusal/bedrock 6.8' bgs.
8			0.0		
			0.0		No odor or staining observed.
9					
10					
11					
12					

Rig Type: ***AMS Power Probe***
Driller: ***ACT - Tim Young***

Reviewed by: ***Paul Stewart***
Sheet No: 1 of 1

Soil Boring Log

Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS

Project No: 7768-NYNY
Site: 320-328 West 36th Street
Client: AC 320 Hotel Partners LLC
Water Table Level: Not encountered

Boring No: ***SB-5***
Date Drilled: 1/5/15
Geologist: T. Young
S. Walls

Depth (feet)	Description (Unified Soils Classification)	Sample Depth	PID (ppmv)	Inches of Recovery	Remarks
0	0-0.3': Concrete		0.0		
	0.3-1': Dry, medium brown, medium to	0	0.0		
1	coarse sands, trace gravel and silt	to	0.0		
	1.0-1.5': Dry, light brow, medium to fine	2	0.0		
2	sands		0.0	27"	
	1.5-3': Dry, light brown to dusky orange,		0.0		
3	coarse to very coarse sands mixed with		0.0		Refusal/bedrock 2.77' bgs.
	trace gravel				
4					
					No odor or staining observed
5					
6					
7					
8					
9					
10					
11					
12					

Rig Type: ***AMS Power Probe***
Driller: ***ACT - Tim Young***

Reviewed by: ***Paul Stewart***
Sheet No: 1 of 1

Soil Boring Log

Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS

Project No: 7768-NYNY
Site: 320-328 West 36th Street
Client: AC 320 Hotel Partners LLC
Water Table Level: Not Encountered

Boring No: ***SB-6***
Date Drilled: 12/29/14
Geologist: T. Young
S. Walls

Depth (feet)	Description (Unified Soils Classification)	Sample Depth	PID (ppmv)	Inches of Recovery	Remarks
0	0-0.8': Concrete		0.0		
		0	0.0		
1	0.8-1.5': Dry, medium brown, medium to	to	0.0		
	coarse, silty sands	1.5	0.0		
2			0.0	18"	
	1.5-2': Dry, white, fine sands mixed with		0.0		
3	moderate silt		0.0		Refusal/bedrock 2' bgs.
4					
					No odor or staining observed
5					
6					
7					
8					
9					
10					
11					
12					

Rig Type: ***AMS Power Probe***
Driller: ***ACT - Tim Young***

Reviewed by: ***Paul Stewart***
Sheet No: 1 of 1

Soil Boring Log

Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS

Project No: 7768-NYNY
Site: 320-328 West 36th Street
Client: AC 320 Hotel Partners LLC
Water Table Level: Not Encountered

Boring No: ***SB-7***
Date Drilled: 1/5/15
Geologist: T. Young
S. Walls

Depth (feet)	Description (Unified Soils Classification)	Sample Depth	PID (ppmv)	Inches of Recovery	Remarks
0	0-0.2': Concrete		0.0		
		0	0.0		
1	0.2-1': Dry, light brown, fine to very fine	to	0.0		
	sands mixed with trace silt	2	0.0		
2			0.0	19"	
	1.0-2': Dry, dark brown to medium brown,		0.0		
3	medium to coarse sands with gravel		0.0		Refusal/bedrock 2' bgs.
4					
					No odor or staining observed
5					
6					
7					
8					
9					
10					
11					
12					

Rig Type: ***AMS Power Probe***
Driller: ***ACT - Tim Young***

Reviewed by: ***Paul Stewart***
Sheet No: 1 of 1

Soil Boring Log

Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS

Project No: 7768-NYNY
Site: 320-328 West 36th Street
Client: AC 320 Hotel Partners LLC
Water Table Level: Not Encountered

Boring No: ***SB-8***
Date Drilled: 1/5/15
Geologist: T. Young
S. Walls

Depth (feet)	Description (Unified Soils Classification)	Sample Depth	PID (ppmv)	Inches of Recovery	Remarks
0	0-0.3': Concrete		0.0		
		0	0.0		
1	0.3-1': Dry, orange brown silt mixed with	to	0.0		
	medium to coarse sand and rock		0.0		
2	fragments		0.0	8"	
			0.0		
3			0.0		Refusal/bedrock 1' bgs.
4					
					No odor or staining observed
5					
6					
7					
8					
9					
10					
11					
12					

Rig Type: ***AMS Power Probe***
Driller: ***ACT - Tim Young***

Reviewed by: ***Paul Stewart***
Sheet No: 1 of 1

APPENDIX 4 – ANALYTICAL REPORTS

Technical Report

prepared for:

Advanced Cleanup Technologies, Inc.
110 Main Street
Port Washington NY, 11050
Attention: Theresa Burkard

Report Date: 01/12/2015
Client Project ID: 7648-NYNY
York Project (SDG) No.: 15A0166

Report Date: 01/12/2015
Client Project ID: 7648-NYNY
York Project (SDG) No.: 15A0166

Advanced Cleanup Technologies, Inc.
110 Main Street
Port Washington NY, 11050
Attention: Theresa Burkard

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on January 07, 2015 and listed below. The project was identified as your project: **7648-NYNY**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
15A0166-01	SB-1	Soil	01/06/2015	01/07/2015
15A0166-02	SB-2 0-2	Soil	01/05/2015	01/07/2015
15A0166-03	SB-2 7-9	Soil	01/05/2015	01/07/2015
15A0166-04	SB-3 0-2	Soil	01/06/2015	01/07/2015
15A0166-05	SB-3 7-9	Soil	01/06/2015	01/07/2015
15A0166-06	SB-4 S	Soil	12/29/2014	01/07/2015
15A0166-07	SB-4 D	Soil	12/29/2014	01/07/2015
15A0166-08	SB-5	Soil	01/05/2015	01/07/2015
15A0166-09	SB-6	Soil	12/29/2014	01/07/2015
15A0166-10	SB-7	Soil	01/05/2015	01/07/2015
15A0166-11	SB-8	Soil	01/05/2015	01/07/2015
15A0166-12	MW-2	Water	01/06/2015	01/07/2015

General Notes for York Project (SDG) No.: 15A0166

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 01/12/2015

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: SB-1 **York Sample ID:** 15A0166-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 6, 2015 11:45 am	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	5.7	11	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	110	230	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
110-82-7	Cyclohexane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
591-78-6	2-Hexanone	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
67-64-1	**Acetone**	**11**	Cal-E, J	ug/kg dry	5.7	11	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
107-02-8	Acrolein	ND		ug/kg dry	5.7	11	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
107-13-1	Acrylonitrile	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
71-43-2	Benzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
75-25-2	Bromoform	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
67-66-3	Chloroform	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK

Sample Information

Client Sample ID: SB-1 **York Sample ID:** 15A0166-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 6, 2015 11:45 am	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
79-20-9	Methyl acetate	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
75-09-2	Methylene chloride	ND		ug/kg dry	5.7	11	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.7	11	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
100-42-5	Styrene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	5.7	11	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
108-88-3	Toluene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.6	17	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:04	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*112 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*105 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*102 %*	*85-120*

Sample Information

Client Sample ID: SB-1 **York Sample ID:** 15A0166-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 6, 2015 11:45 am	01/07/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
98-86-2	Acetophenone	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
62-53-3	Aniline	ND		ug/kg dry	89.0	178	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
120-12-7	Anthracene	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
1912-24-9	Atrazine	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
92-87-5	Benzidine	ND		ug/kg dry	89.0	178	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
65-85-0	Benzoic acid	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
105-60-2	Caprolactam	ND		ug/kg dry	44.4	88.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
86-74-8	Carbazole	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
218-01-9	Chrysene	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH

Sample Information

Client Sample ID: SB-1 **York Sample ID:** 15A0166-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 6, 2015 11:45 am	01/07/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	44.4	88.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	44.4	88.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
206-44-0	Fluoranthene	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
86-73-7	Fluorene	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
78-59-1	Isophorone	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
91-20-3	Naphthalene	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	44.4	88.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	44.4	88.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	44.4	88.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	44.4	88.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
85-01-8	Phenanthrene	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
108-95-2	Phenol	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
129-00-0	Pyrene	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	44.4	88.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	44.4	88.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH

Sample Information

Client Sample ID: SB-1 **York Sample ID:** 15A0166-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 6, 2015 11:45 am	01/07/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	22.3	44.4	1	EPA 8270D	01/08/2015 06:49	01/09/2015 02:38	KH
	Surrogate Recoveries	**Result**			**Acceptance Range**						
367-12-4	*Surrogate: 2-Fluorophenol*	*76.1 %*			*10-99*						
4165-62-2	*Surrogate: Phenol-d5*	*75.9 %*			*10-108*						
4165-60-0	*Surrogate: Nitrobenzene-d5*	*69.6 %*			*10-119*						
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*70.6 %*			*10-114*						
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*66.0 %*			*10-106*						
1718-51-0	*Surrogate: Terphenyl-d14*	*73.3 %*			*10-123*						

Pesticides, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	89.0	89.0	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:25	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.79	8.79	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:25	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:25	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:25	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:25	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:25	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:25	JW
72-20-8	Endrin	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:25	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:25	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:25	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:25	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:25	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:25	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.03	7.03	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:25	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:25	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:25	JW
309-00-2	Aldrin	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:25	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:25	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:25	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.76	1.76	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:25	JW
	Surrogate Recoveries	**Result**			**Acceptance Range**						
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*97.0 %*			*30-140*						
2051-24-3	*Surrogate: Decachlorobiphenyl*	*121 %*			*30-140*						

Sample Information

Client Sample ID: SB-1 **York Sample ID:** 15A0166-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 6, 2015 11:45 am	01/07/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	01/08/2015 14:10	01/09/2015 17:14	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	01/08/2015 14:10	01/09/2015 17:14	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	01/08/2015 14:10	01/09/2015 17:14	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	01/08/2015 14:10	01/09/2015 17:14	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	01/08/2015 14:10	01/09/2015 17:14	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	01/08/2015 14:10	01/09/2015 17:14	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	01/08/2015 14:10	01/09/2015 17:14	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	01/08/2015 14:10	01/09/2015 17:14	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*105 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*75.6 %*	*30-140*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7290**		mg/kg dry	1.07	1.07	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:39	MW
7440-36-0	Antimony	ND		mg/kg dry	0.533	0.533	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:39	MW
7440-38-2	**Arsenic**	**2.70**		mg/kg dry	1.07	1.07	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:39	MW
7440-39-3	**Barium**	**124**		mg/kg dry	1.07	1.07	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:39	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.107	0.107	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:39	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.320	0.320	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:39	MW
7440-70-2	**Calcium**	**4820**		mg/kg dry	0.533	5.33	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:39	MW
7440-47-3	**Chromium**	**17.5**		mg/kg dry	0.533	0.533	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:39	MW
7440-48-4	**Cobalt**	**7.41**		mg/kg dry	0.533	0.533	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:39	MW
7440-50-8	**Copper**	**17.5**		mg/kg dry	0.533	0.533	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:39	MW
7439-89-6	**Iron**	**14000**		mg/kg dry	2.13	2.13	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:39	MW
7439-92-1	**Lead**	**7.09**		mg/kg dry	0.320	0.320	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:39	MW
7439-95-4	**Magnesium**	**4000**		mg/kg dry	5.33	5.33	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:39	MW
7439-96-5	**Manganese**	**475**		mg/kg dry	0.533	0.533	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:39	MW
7440-02-0	**Nickel**	**20.2**		mg/kg dry	0.533	0.533	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:39	MW
7440-09-7	**Potassium**	**2330**		mg/kg dry	5.33	5.33	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:39	MW
7782-49-2	**Selenium**	**3.27**		mg/kg dry	1.07	1.07	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:39	MW
7440-22-4	Silver	ND		mg/kg dry	0.533	0.533	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:39	MW
7440-23-5	**Sodium**	**551**		mg/kg dry	10.7	10.7	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:39	MW
7440-28-0	Thallium	ND		mg/kg dry	1.07	1.07	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:39	MW
7440-62-2	**Vanadium**	**25.2**		mg/kg dry	1.07	1.07	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:39	MW
7440-66-6	**Zinc**	**27.5**		mg/kg dry	1.07	1.07	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:39	MW

Sample Information

Client Sample ID: SB-1 **York Sample ID:** 15A0166-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 6, 2015 11:45 am	01/07/2015

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0320	0.0320	1	EPA 7473	01/08/2015 06:55	01/08/2015 10:46	ALD

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**93.9**		%	0.100	0.100	1	SM 2540G	01/08/2015 08:58	01/08/2015 16:13	KK

Sample Information

Client Sample ID: SB-2 0-2 **York Sample ID:** 15A0166-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 1:30 pm	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	5.2	10	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK

Sample Information

Client Sample ID: SB-2 0-2 **York Sample ID:** 15A0166-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 1:30 pm	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	100	210	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
110-82-7	Cyclohexane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
591-78-6	2-Hexanone	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
67-64-1	**Acetone**	**12**	Cal-E	ug/kg dry	5.2	10	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
107-02-8	Acrolein	ND		ug/kg dry	5.2	10	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
107-13-1	Acrylonitrile	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
71-43-2	Benzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
75-25-2	Bromoform	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
67-66-3	Chloroform	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
79-20-9	Methyl acetate	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
75-09-2	Methylene chloride	ND		ug/kg dry	5.2	10	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.2	10	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
100-42-5	Styrene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK

Sample Information

Client Sample ID: SB-2 0-2 **York Sample ID:** 15A0166-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 1:30 pm	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	5.2	10	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
108-88-3	Toluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.8	16	1	EPA 8260C	01/09/2015 17:05	01/10/2015 02:41	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*107 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*104 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*102 %*	*85-120*

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
98-86-2	Acetophenone	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
62-53-3	Aniline	ND		ug/kg dry	87.8	176	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
120-12-7	Anthracene	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
1912-24-9	Atrazine	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
92-87-5	Benzidine	ND		ug/kg dry	87.8	176	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
65-85-0	Benzoic acid	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
105-60-2	Caprolactam	ND		ug/kg dry	43.9	87.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
86-74-8	Carbazole	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH

Sample Information

Client Sample ID: SB-2 0-2 **York Sample ID:** 15A0166-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 1:30 pm	01/07/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
218-01-9	Chrysene	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	43.9	87.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	43.9	87.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
206-44-0	Fluoranthene	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
86-73-7	Fluorene	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
78-59-1	Isophorone	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH

Sample Information

Client Sample ID: SB-2 0-2 **York Sample ID:** 15A0166-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 1:30 pm	01/07/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	43.9	87.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	43.9	87.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	43.9	87.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	43.9	87.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
85-01-8	Phenanthrene	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
108-95-2	Phenol	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
129-00-0	Pyrene	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	43.9	87.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	43.9	87.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	22.0	43.9	1	EPA 8270D	01/08/2015 06:49	01/09/2015 03:10	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*71.6 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*72.3 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*69.1 %*	*10-119*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*67.3 %*	*10-114*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*63.9 %*	*10-106*
1718-51-0	*Surrogate: Terphenyl-d14*	*68.8 %*	*10-123*

Sample Information

Client Sample ID: SB-2 0-2 **York Sample ID:** 15A0166-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 1:30 pm	01/07/2015

Pesticides, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	87.8	87.8	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:40	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.68	8.68	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:40	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:40	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:40	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:40	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:40	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:40	JW
72-20-8	Endrin	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:40	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:40	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:40	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:40	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:40	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:40	JW
57-74-9	Chlordane, total	ND		ug/kg dry	6.94	6.94	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:40	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:40	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:40	JW
309-00-2	Aldrin	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:40	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:40	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:40	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.74	1.74	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:40	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*87.1 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*111 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	01/08/2015 14:10	01/09/2015 17:43	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	01/08/2015 14:10	01/09/2015 17:43	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	01/08/2015 14:10	01/09/2015 17:43	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	01/08/2015 14:10	01/09/2015 17:43	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	01/08/2015 14:10	01/09/2015 17:43	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	01/08/2015 14:10	01/09/2015 17:43	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	01/08/2015 14:10	01/09/2015 17:43	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	01/08/2015 14:10	01/09/2015 17:43	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*101 %*	*30-140*

Sample Information

Client Sample ID: SB-2 0-2 **York Sample ID:** 15A0166-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 1:30 pm	01/07/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	*Surrogate: Decachlorobiphenyl*	*69.7 %*			*30-140*						

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**4780**		mg/kg dry	1.05	1.05	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:43	MW
7440-36-0	Antimony	ND		mg/kg dry	0.526	0.526	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:43	MW
7440-38-2	**Arsenic**	**2.08**		mg/kg dry	1.05	1.05	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:43	MW
7440-39-3	**Barium**	**25.8**		mg/kg dry	1.05	1.05	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:43	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.105	0.105	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:43	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.316	0.316	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:43	MW
7440-70-2	**Calcium**	**1800**		mg/kg dry	0.526	5.26	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:43	MW
7440-47-3	**Chromium**	**16.6**		mg/kg dry	0.526	0.526	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:43	MW
7440-48-4	**Cobalt**	**5.82**		mg/kg dry	0.526	0.526	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:43	MW
7440-50-8	**Copper**	**16.4**		mg/kg dry	0.526	0.526	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:43	MW
7439-89-6	**Iron**	**8490**		mg/kg dry	2.10	2.10	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:43	MW
7439-92-1	**Lead**	**4.30**		mg/kg dry	0.316	0.316	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:43	MW
7439-95-4	**Magnesium**	**1910**		mg/kg dry	5.26	5.26	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:43	MW
7439-96-5	**Manganese**	**97.3**		mg/kg dry	0.526	0.526	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:43	MW
7440-02-0	**Nickel**	**13.7**		mg/kg dry	0.526	0.526	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:43	MW
7440-09-7	**Potassium**	**1090**		mg/kg dry	5.26	5.26	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:43	MW
7782-49-2	**Selenium**	**1.65**		mg/kg dry	1.05	1.05	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:43	MW
7440-22-4	Silver	ND		mg/kg dry	0.526	0.526	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:43	MW
7440-23-5	**Sodium**	**243**		mg/kg dry	10.5	10.5	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:43	MW
7440-28-0	Thallium	ND		mg/kg dry	1.05	1.05	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:43	MW
7440-62-2	**Vanadium**	**21.1**		mg/kg dry	1.05	1.05	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:43	MW
7440-66-6	**Zinc**	**16.9**		mg/kg dry	1.05	1.05	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:43	MW

Sample Information

Client Sample ID: SB-2 0-2 **York Sample ID:** 15A0166-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 1:30 pm	01/07/2015

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0316	0.0316	1	EPA 7473	01/08/2015 06:55	01/08/2015 10:56	ALD

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**95.1**		%	0.100	0.100	1	SM 2540G	01/08/2015 08:58	01/08/2015 16:13	KK

Sample Information

Client Sample ID: SB-2 7-9 **York Sample ID:** 15A0166-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 1:30 pm	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	7.6	15	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK

Sample Information

Client Sample ID: SB-2 7-9 **York Sample ID:** 15A0166-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 1:30 pm	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	150	310	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
110-82-7	Cyclohexane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
78-93-3	2-Butanone	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
591-78-6	2-Hexanone	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
67-64-1	**Acetone**	**22**	Cal-E	ug/kg dry	7.6	15	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
107-02-8	Acrolein	ND		ug/kg dry	7.6	15	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
107-13-1	Acrylonitrile	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
71-43-2	Benzene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
75-25-2	Bromoform	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
74-83-9	Bromomethane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
75-00-3	Chloroethane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
67-66-3	Chloroform	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
74-87-3	Chloromethane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
74-95-3	Dibromomethane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
108-87-2	Methylcyclohexane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
79-20-9	Methyl acetate	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
75-09-2	Methylene chloride	ND		ug/kg dry	7.6	15	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
95-47-6	o-Xylene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	7.6	15	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
100-42-5	Styrene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK

Sample Information

Client Sample ID: SB-2 7-9 **York Sample ID:** 15A0166-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 1:30 pm	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	7.6	15	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
108-88-3	Toluene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	11	23	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:18	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*110 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.2 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*103 %*	*85-120*

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
98-86-2	Acetophenone	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
62-53-3	Aniline	ND		ug/kg dry	98.5	197	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
120-12-7	Anthracene	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
1912-24-9	Atrazine	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
92-87-5	Benzidine	ND		ug/kg dry	98.5	197	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
65-85-0	Benzoic acid	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
105-60-2	Caprolactam	ND		ug/kg dry	49.2	98.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
86-74-8	Carbazole	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH

Sample Information

Client Sample ID: SB-2 7-9 **York Sample ID:** 15A0166-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 1:30 pm	01/07/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
218-01-9	Chrysene	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	49.2	98.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	49.2	98.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
206-44-0	Fluoranthene	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
86-73-7	Fluorene	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
78-59-1	Isophorone	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH

Sample Information

Client Sample ID: SB-2 7-9 **York Sample ID:** 15A0166-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 1:30 pm	01/07/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	49.2	98.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	49.2	98.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	49.2	98.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	49.2	98.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
85-01-8	Phenanthrene	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
108-95-2	Phenol	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
129-00-0	Pyrene	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	49.2	98.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	49.2	98.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	24.7	49.2	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:20	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*62.8 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*60.2 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*58.9 %*	*10-119*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*58.7 %*	*10-114*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*61.4 %*	*10-106*
1718-51-0	*Surrogate: Terphenyl-d14*	*59.0 %*	*10-123*

Sample Information

Client Sample ID: SB-2 7-9 **York Sample ID:** 15A0166-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 1:30 pm	01/07/2015

Pesticides, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	98.5	98.5	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:55	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.73	9.73	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:55	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:55	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:55	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:55	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:55	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:55	JW
72-20-8	Endrin	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:55	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:55	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:55	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:55	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:55	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:55	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.79	7.79	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:55	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:55	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:55	JW
309-00-2	Aldrin	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:55	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:55	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:55	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:55	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*86.6 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*107 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0197	0.0197	1	EPA 8082A	01/08/2015 14:10	01/09/2015 18:12	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0197	0.0197	1	EPA 8082A	01/08/2015 14:10	01/09/2015 18:12	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0197	0.0197	1	EPA 8082A	01/08/2015 14:10	01/09/2015 18:12	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0197	0.0197	1	EPA 8082A	01/08/2015 14:10	01/09/2015 18:12	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0197	0.0197	1	EPA 8082A	01/08/2015 14:10	01/09/2015 18:12	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0197	0.0197	1	EPA 8082A	01/08/2015 14:10	01/09/2015 18:12	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0197	0.0197	1	EPA 8082A	01/08/2015 14:10	01/09/2015 18:12	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0197	0.0197	1	EPA 8082A	01/08/2015 14:10	01/09/2015 18:12	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*100 %*	*30-140*

Sample Information

Client Sample ID: **SB-2 7-9** **York Sample ID:** **15A0166-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 1:30 pm	01/07/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	*Surrogate: Decachlorobiphenyl*	*68.2 %*			*30-140*						

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**4180**		mg/kg dry	1.18	1.18	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:48	MW
7440-36-0	Antimony	ND		mg/kg dry	0.590	0.590	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:48	MW
7440-38-2	**Arsenic**	**1.45**		mg/kg dry	1.18	1.18	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:48	MW
7440-39-3	**Barium**	**74.6**		mg/kg dry	1.18	1.18	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:48	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.118	0.118	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:48	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.354	0.354	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:48	MW
7440-70-2	**Calcium**	**7230**		mg/kg dry	0.590	5.90	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:48	MW
7440-47-3	**Chromium**	**8.65**		mg/kg dry	0.590	0.590	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:48	MW
7440-48-4	**Cobalt**	**4.02**		mg/kg dry	0.590	0.590	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:48	MW
7440-50-8	**Copper**	**7.59**		mg/kg dry	0.590	0.590	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:48	MW
7439-89-6	**Iron**	**9350**		mg/kg dry	2.36	2.36	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:48	MW
7439-92-1	**Lead**	**3.82**		mg/kg dry	0.354	0.354	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:48	MW
7439-95-4	**Magnesium**	**3090**		mg/kg dry	5.90	5.90	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:48	MW
7439-96-5	**Manganese**	**375**		mg/kg dry	0.590	0.590	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:48	MW
7440-02-0	**Nickel**	**11.1**		mg/kg dry	0.590	0.590	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:48	MW
7440-09-7	**Potassium**	**1440**		mg/kg dry	5.90	5.90	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:48	MW
7782-49-2	**Selenium**	**2.14**		mg/kg dry	1.18	1.18	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:48	MW
7440-22-4	Silver	ND		mg/kg dry	0.590	0.590	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:48	MW
7440-23-5	**Sodium**	**194**		mg/kg dry	11.8	11.8	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:48	MW
7440-28-0	Thallium	ND		mg/kg dry	1.18	1.18	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:48	MW
7440-62-2	**Vanadium**	**13.3**		mg/kg dry	1.18	1.18	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:48	MW
7440-66-6	**Zinc**	**18.2**		mg/kg dry	1.18	1.18	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:48	MW

Sample Information

Client Sample ID: SB-2 7-9 **York Sample ID:** 15A0166-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 1:30 pm	01/07/2015

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0354	0.0354	1	EPA 7473	01/08/2015 06:55	01/08/2015 11:05	ALD

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**84.8**		%	0.100	0.100	1	SM 2540G	01/08/2015 08:58	01/08/2015 16:13	KK

Sample Information

Client Sample ID: SB-3 0-2 **York Sample ID:** 15A0166-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 6, 2015 1:00 pm	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	5.3	11	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK

Sample Information

Client Sample ID: SB-3 0-2 **York Sample ID:** 15A0166-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 6, 2015 1:00 pm	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	110	210	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
110-82-7	Cyclohexane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
591-78-6	2-Hexanone	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
67-64-1	**Acetone**	**11**	Cal-E	ug/kg dry	5.3	11	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
107-02-8	Acrolein	ND		ug/kg dry	5.3	11	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
107-13-1	Acrylonitrile	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
71-43-2	Benzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
75-25-2	Bromoform	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
67-66-3	Chloroform	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
79-20-9	Methyl acetate	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
75-09-2	Methylene chloride	ND		ug/kg dry	5.3	11	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.3	11	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
100-42-5	Styrene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK

Sample Information

Client Sample ID: SB-3 0-2 **York Sample ID:** 15A0166-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 6, 2015 1:00 pm	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	5.3	11	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
108-88-3	Toluene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.9	16	1	EPA 8260C	01/09/2015 17:05	01/10/2015 03:55	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*116 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*100 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*104 %*	*85-120*

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
98-86-2	Acetophenone	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
62-53-3	Aniline	ND		ug/kg dry	90.3	181	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
120-12-7	Anthracene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
1912-24-9	Atrazine	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
92-87-5	Benzidine	ND		ug/kg dry	90.3	181	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
65-85-0	Benzoic acid	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
105-60-2	Caprolactam	ND		ug/kg dry	45.1	90.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
86-74-8	Carbazole	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH

Sample Information

Client Sample ID: SB-3 0-2 **York Sample ID:** 15A0166-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 6, 2015 1:00 pm	01/07/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
218-01-9	Chrysene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	45.1	90.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	45.1	90.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
206-44-0	Fluoranthene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
86-73-7	Fluorene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
78-59-1	Isophorone	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH

Sample Information

Client Sample ID: SB-3 0-2 **York Sample ID:** 15A0166-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 6, 2015 1:00 pm	01/07/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	45.1	90.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	45.1	90.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	45.1	90.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	45.1	90.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
85-01-8	Phenanthrene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
108-95-2	Phenol	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
129-00-0	Pyrene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	45.1	90.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	45.1	90.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	22.6	45.1	1	EPA 8270D	01/08/2015 06:49	01/09/2015 21:52	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*65.4 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*64.9 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*59.9 %*	*10-119*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*64.9 %*	*10-114*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*66.3 %*	*10-106*
1718-51-0	*Surrogate: Terphenyl-d14*	*58.7 %*	*10-123*

Sample Information

Client Sample ID: SB-3 0-2 **York Sample ID:** 15A0166-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 6, 2015 1:00 pm	01/07/2015

Pesticides, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	90.3	90.3	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:10	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.92	8.92	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:10	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:10	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:10	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:10	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:10	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:10	JW
72-20-8	Endrin	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:10	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:10	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:10	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:10	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:10	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:10	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.14	7.14	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:10	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:10	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:10	JW
309-00-2	Aldrin	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:10	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:10	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:10	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.78	1.78	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:10	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*82.8 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*109 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	01/08/2015 14:10	01/09/2015 18:42	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	01/08/2015 14:10	01/09/2015 18:42	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	01/08/2015 14:10	01/09/2015 18:42	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	01/08/2015 14:10	01/09/2015 18:42	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	01/08/2015 14:10	01/09/2015 18:42	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	01/08/2015 14:10	01/09/2015 18:42	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	01/08/2015 14:10	01/09/2015 18:42	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	01/08/2015 14:10	01/09/2015 18:42	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*102 %*	*30-140*

Sample Information

Client Sample ID: **SB-3 0-2** **York Sample ID:** **15A0166-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 6, 2015 1:00 pm	01/07/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	*Surrogate: Decachlorobiphenyl*	*73.1 %*			*30-140*						

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**3310**		mg/kg dry	1.08	1.08	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:53	MW
7440-36-0	Antimony	ND		mg/kg dry	0.541	0.541	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:53	MW
7440-38-2	**Arsenic**	**1.17**		mg/kg dry	1.08	1.08	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:53	MW
7440-39-3	**Barium**	**17.1**		mg/kg dry	1.08	1.08	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:53	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.108	0.108	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:53	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.324	0.324	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:53	MW
7440-70-2	**Calcium**	**1180**		mg/kg dry	0.541	5.41	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:53	MW
7440-47-3	**Chromium**	**9.12**		mg/kg dry	0.541	0.541	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:53	MW
7440-48-4	**Cobalt**	**4.29**		mg/kg dry	0.541	0.541	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:53	MW
7440-50-8	**Copper**	**13.0**		mg/kg dry	0.541	0.541	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:53	MW
7439-89-6	**Iron**	**5890**		mg/kg dry	2.16	2.16	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:53	MW
7439-92-1	**Lead**	**3.08**		mg/kg dry	0.324	0.324	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:53	MW
7439-95-4	**Magnesium**	**1550**		mg/kg dry	5.41	5.41	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:53	MW
7439-96-5	**Manganese**	**80.5**		mg/kg dry	0.541	0.541	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:53	MW
7440-02-0	**Nickel**	**9.17**		mg/kg dry	0.541	0.541	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:53	MW
7440-09-7	**Potassium**	**710**		mg/kg dry	5.41	5.41	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:53	MW
7782-49-2	**Selenium**	**1.60**		mg/kg dry	1.08	1.08	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:53	MW
7440-22-4	Silver	ND		mg/kg dry	0.541	0.541	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:53	MW
7440-23-5	**Sodium**	**179**		mg/kg dry	10.8	10.8	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:53	MW
7440-28-0	Thallium	ND		mg/kg dry	1.08	1.08	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:53	MW
7440-62-2	**Vanadium**	**10.0**		mg/kg dry	1.08	1.08	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:53	MW
7440-66-6	**Zinc**	**11.9**		mg/kg dry	1.08	1.08	1	EPA 6010C	01/08/2015 13:13	01/08/2015 19:53	MW

Sample Information

Client Sample ID: SB-3 0-2 **York Sample ID:** 15A0166-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 6, 2015 1:00 pm	01/07/2015

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0324	0.0324	1	EPA 7473	01/08/2015 06:55	01/08/2015 11:14	ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**92.5**		%	0.100	0.100	1	SM 2540G	01/08/2015 08:58	01/08/2015 16:13	KK

Sample Information

Client Sample ID: SB-3 7-9 **York Sample ID:** 15A0166-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 6, 2015 1:00 pm	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	4.0	7.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK

Sample Information

Client Sample ID: SB-3 7-9 **York Sample ID:** 15A0166-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 6, 2015 1:00 pm	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	79	160	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
110-82-7	Cyclohexane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
591-78-6	2-Hexanone	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
67-64-1	**Acetone**	**11**	Cal-E	ug/kg dry	4.0	7.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
107-02-8	Acrolein	ND		ug/kg dry	4.0	7.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
107-13-1	Acrylonitrile	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
71-43-2	Benzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
75-25-2	Bromoform	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
67-66-3	Chloroform	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
79-20-9	Methyl acetate	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
75-09-2	Methylene chloride	ND		ug/kg dry	4.0	7.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.0	7.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
100-42-5	Styrene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK

Sample Information

Client Sample ID: SB-3 7-9 **York Sample ID:** 15A0166-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 6, 2015 1:00 pm	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	4.0	7.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
108-88-3	Toluene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.9	12	1	EPA 8260C	01/09/2015 17:05	01/10/2015 04:32	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*114 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*108 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*104 %*	*85-120*

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
98-86-2	Acetophenone	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
62-53-3	Aniline	ND		ug/kg dry	93.2	186	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
120-12-7	Anthracene	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
1912-24-9	Atrazine	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
92-87-5	Benzidine	ND		ug/kg dry	93.2	186	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
65-85-0	Benzoic acid	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
105-60-2	Caprolactam	ND		ug/kg dry	46.6	93.0	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
86-74-8	Carbazole	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH

Sample Information

Client Sample ID: SB-3 7-9 **York Sample ID:** 15A0166-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 6, 2015 1:00 pm	01/07/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
218-01-9	Chrysene	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	46.6	93.0	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	46.6	93.0	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
206-44-0	Fluoranthene	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
86-73-7	Fluorene	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
78-59-1	Isophorone	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH

Sample Information

Client Sample ID: SB-3 7-9 **York Sample ID:** 15A0166-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 6, 2015 1:00 pm	01/07/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	46.6	93.0	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	46.6	93.0	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	46.6	93.0	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	46.6	93.0	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
85-01-8	Phenanthrene	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
108-95-2	Phenol	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
129-00-0	Pyrene	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	46.6	93.0	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	46.6	93.0	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	23.3	46.6	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:25	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*68.4 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*65.8 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*62.6 %*	*10-119*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*62.8 %*	*10-114*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*65.4 %*	*10-106*
1718-51-0	*Surrogate: Terphenyl-d14*	*59.7 %*	*10-123*

Sample Information

Client Sample ID: SB-3 7-9 **York Sample ID:** 15A0166-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 6, 2015 1:00 pm	01/07/2015

Pesticides, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	93.2	93.2	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:25	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.21	9.21	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:25	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:25	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:25	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:25	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:25	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:25	JW
72-20-8	Endrin	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:25	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:25	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:25	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:25	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:25	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:25	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.37	7.37	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:25	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:25	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:25	JW
309-00-2	Aldrin	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:25	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:25	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:25	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.84	1.84	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:25	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*84.3 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*106 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0186	0.0186	1	EPA 8082A	01/08/2015 14:10	01/09/2015 19:11	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	0.0186	1	EPA 8082A	01/08/2015 14:10	01/09/2015 19:11	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	0.0186	1	EPA 8082A	01/08/2015 14:10	01/09/2015 19:11	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	0.0186	1	EPA 8082A	01/08/2015 14:10	01/09/2015 19:11	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	0.0186	1	EPA 8082A	01/08/2015 14:10	01/09/2015 19:11	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0186	0.0186	1	EPA 8082A	01/08/2015 14:10	01/09/2015 19:11	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0186	0.0186	1	EPA 8082A	01/08/2015 14:10	01/09/2015 19:11	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0186	0.0186	1	EPA 8082A	01/08/2015 14:10	01/09/2015 19:11	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*95.6 %*	*30-140*

Sample Information

Client Sample ID: SB-3 7-9 **York Sample ID:** 15A0166-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 6, 2015 1:00 pm	01/07/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	*Surrogate: Decachlorobiphenyl*	*68.7 %*			*30-140*						

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5230**		mg/kg dry	1.12	1.12	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:11	MW
7440-36-0	Antimony	ND		mg/kg dry	0.558	0.558	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:11	MW
7440-38-2	**Arsenic**	**2.23**		mg/kg dry	1.12	1.12	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:11	MW
7440-39-3	**Barium**	**141**		mg/kg dry	1.12	1.12	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:11	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.112	0.112	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:11	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.335	0.335	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:11	MW
7440-70-2	**Calcium**	**7880**		mg/kg dry	0.558	5.58	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:11	MW
7440-47-3	**Chromium**	**11.4**		mg/kg dry	0.558	0.558	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:11	MW
7440-48-4	**Cobalt**	**4.99**		mg/kg dry	0.558	0.558	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:11	MW
7440-50-8	**Copper**	**8.65**		mg/kg dry	0.558	0.558	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:11	MW
7439-89-6	**Iron**	**10900**		mg/kg dry	2.23	2.23	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:11	MW
7439-92-1	**Lead**	**4.37**		mg/kg dry	0.335	0.335	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:11	MW
7439-95-4	**Magnesium**	**4640**		mg/kg dry	5.58	5.58	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:11	MW
7439-96-5	**Manganese**	**377**		mg/kg dry	0.558	0.558	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:11	MW
7440-02-0	**Nickel**	**13.0**		mg/kg dry	0.558	0.558	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:11	MW
7440-09-7	**Potassium**	**2130**		mg/kg dry	5.58	5.58	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:11	MW
7782-49-2	**Selenium**	**1.97**		mg/kg dry	1.12	1.12	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:11	MW
7440-22-4	Silver	ND		mg/kg dry	0.558	0.558	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:11	MW
7440-23-5	**Sodium**	**205**		mg/kg dry	11.2	11.2	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:11	MW
7440-28-0	Thallium	ND		mg/kg dry	1.12	1.12	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:11	MW
7440-62-2	**Vanadium**	**17.4**		mg/kg dry	1.12	1.12	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:11	MW
7440-66-6	**Zinc**	**20.7**		mg/kg dry	1.12	1.12	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:11	MW

Sample Information

Client Sample ID: SB-3 7-9 **York Sample ID:** 15A0166-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 6, 2015 1:00 pm	01/07/2015

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0335	0.0335	1	EPA 7473	01/08/2015 06:55	01/08/2015 11:23	ALD

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.6**		%	0.100	0.100	1	SM 2540G	01/08/2015 08:58	01/08/2015 16:13	KK

Sample Information

Client Sample ID: SB-4 S **York Sample ID:** 15A0166-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	December 29, 2014 3:45 pm	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK

Sample Information

Client Sample ID: **SB-4 S** **York Sample ID:** **15A0166-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	December 29, 2014 3:45 pm	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	84	170	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
110-82-7	Cyclohexane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
591-78-6	2-Hexanone	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
67-64-1	**Acetone**	**9.1**	Cal-E	ug/kg dry	4.2	8.4	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
107-02-8	Acrolein	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
107-13-1	Acrylonitrile	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
71-43-2	Benzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
75-25-2	Bromoform	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
67-66-3	Chloroform	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
79-20-9	Methyl acetate	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
75-09-2	Methylene chloride	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
100-42-5	Styrene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK

Sample Information

Client Sample ID: SB-4 S **York Sample ID:** 15A0166-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	December 29, 2014 3:45 pm	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
108-88-3	Toluene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.3	13	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:08	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*107 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*101 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*102 %*	*85-120*

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
98-86-2	Acetophenone	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
62-53-3	Aniline	ND		ug/kg dry	90.7	181	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
120-12-7	Anthracene	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
1912-24-9	Atrazine	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
92-87-5	Benzidine	ND		ug/kg dry	90.7	181	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
65-85-0	Benzoic acid	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
105-60-2	Caprolactam	ND		ug/kg dry	45.3	90.5	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
86-74-8	Carbazole	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH

Sample Information

Client Sample ID: **SB-4 S** **York Sample ID:** **15A0166-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	December 29, 2014 3:45 pm	01/07/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
218-01-9	Chrysene	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	45.3	90.5	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	45.3	90.5	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
117-81-7	**Bis(2-ethylhexyl)phthalate**	**64.4**		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
206-44-0	Fluoranthene	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
86-73-7	Fluorene	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
78-59-1	Isophorone	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH

Sample Information

Client Sample ID: SB-4 S **York Sample ID:** 15A0166-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	December 29, 2014 3:45 pm	01/07/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	45.3	90.5	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	45.3	90.5	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	45.3	90.5	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	45.3	90.5	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
85-01-8	Phenanthrene	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
108-95-2	Phenol	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
129-00-0	Pyrene	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	45.3	90.5	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	45.3	90.5	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	22.7	45.3	1	EPA 8270D	01/08/2015 06:49	01/09/2015 22:57	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*70.5 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*68.6 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*66.4 %*	*10-119*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*68.1 %*	*10-114*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*68.8 %*	*10-106*
1718-51-0	*Surrogate: Terphenyl-d14*	*69.0 %*	*10-123*

Sample Information

Client Sample ID: SB-4 S

York Sample ID: 15A0166-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	December 29, 2014 3:45 pm	01/07/2015

Pesticides, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	90.7	90.7	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:40	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.96	8.96	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:40	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:40	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:40	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:40	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:40	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:40	JW
72-20-8	Endrin	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:40	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:40	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:40	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:40	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:40	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:40	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.17	7.17	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:40	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:40	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:40	JW
309-00-2	Aldrin	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:40	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:40	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:40	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:40	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*98.8 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*127 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	01/08/2015 14:10	01/09/2015 19:40	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	01/08/2015 14:10	01/09/2015 19:40	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	01/08/2015 14:10	01/09/2015 19:40	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	01/08/2015 14:10	01/09/2015 19:40	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	01/08/2015 14:10	01/09/2015 19:40	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	01/08/2015 14:10	01/09/2015 19:40	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	01/08/2015 14:10	01/09/2015 19:40	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	01/08/2015 14:10	01/09/2015 19:40	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*98.0 %*	*30-140*

Sample Information

Client Sample ID: SB-4 S **York Sample ID:** 15A0166-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	December 29, 2014 3:45 pm	01/07/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	*Surrogate: Decachlorobiphenyl*	*74.6 %*			*30-140*						

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7420**		mg/kg dry	1.09	1.09	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:16	MW
7440-36-0	Antimony	ND		mg/kg dry	0.543	0.543	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:16	MW
7440-38-2	**Arsenic**	**4.23**		mg/kg dry	1.09	1.09	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:16	MW
7440-39-3	**Barium**	**96.8**		mg/kg dry	1.09	1.09	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:16	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.109	0.109	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:16	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.326	0.326	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:16	MW
7440-70-2	**Calcium**	**2160**		mg/kg dry	0.543	5.43	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:16	MW
7440-47-3	**Chromium**	**19.7**		mg/kg dry	0.543	0.543	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:16	MW
7440-48-4	**Cobalt**	**7.36**		mg/kg dry	0.543	0.543	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:16	MW
7440-50-8	**Copper**	**19.6**		mg/kg dry	0.543	0.543	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:16	MW
7439-89-6	**Iron**	**14200**		mg/kg dry	2.17	2.17	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:16	MW
7439-92-1	**Lead**	**29.6**		mg/kg dry	0.326	0.326	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:16	MW
7439-95-4	**Magnesium**	**2950**		mg/kg dry	5.43	5.43	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:16	MW
7439-96-5	**Manganese**	**424**		mg/kg dry	0.543	0.543	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:16	MW
7440-02-0	**Nickel**	**18.9**		mg/kg dry	0.543	0.543	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:16	MW
7440-09-7	**Potassium**	**2270**		mg/kg dry	5.43	5.43	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:16	MW
7782-49-2	**Selenium**	**3.51**		mg/kg dry	1.09	1.09	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:16	MW
7440-22-4	Silver	ND		mg/kg dry	0.543	0.543	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:16	MW
7440-23-5	**Sodium**	**308**		mg/kg dry	10.9	10.9	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:16	MW
7440-28-0	Thallium	ND		mg/kg dry	1.09	1.09	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:16	MW
7440-62-2	**Vanadium**	**25.9**		mg/kg dry	1.09	1.09	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:16	MW
7440-66-6	**Zinc**	**29.5**		mg/kg dry	1.09	1.09	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:16	MW

Sample Information

Client Sample ID: SB-4 S **York Sample ID:** 15A0166-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	December 29, 2014 3:45 pm	01/07/2015

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0326	0.0326	1	EPA 7473	01/08/2015 06:55	01/08/2015 11:32	ALD

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**92.1**		%	0.100	0.100	1	SM 2540G	01/08/2015 08:58	01/08/2015 16:13	KK

Sample Information

Client Sample ID: SB-4 D **York Sample ID:** 15A0166-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	December 29, 2014 3:45 pm	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK

Sample Information

Client Sample ID: **SB-4 D** **York Sample ID:** **15A0166-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	December 29, 2014 3:45 pm	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	85	170	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
110-82-7	Cyclohexane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
591-78-6	2-Hexanone	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
67-64-1	**Acetone**	**7.7**	Cal-E, J	ug/kg dry	4.2	8.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
107-02-8	Acrolein	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
107-13-1	Acrylonitrile	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
71-43-2	Benzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
75-25-2	Bromoform	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
67-66-3	Chloroform	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
79-20-9	Methyl acetate	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
75-09-2	Methylene chloride	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
100-42-5	Styrene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK

Sample Information

Client Sample ID: SB-4 D

York Sample ID: 15A0166-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	December 29, 2014 3:45 pm	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
108-88-3	Toluene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.4	13	1	EPA 8260C	01/09/2015 17:05	01/10/2015 05:45	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*114 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*105 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*105 %*	*85-120*

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
98-86-2	Acetophenone	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
62-53-3	Aniline	ND		ug/kg dry	89.7	179	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
120-12-7	Anthracene	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
1912-24-9	Atrazine	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
92-87-5	Benzidine	ND		ug/kg dry	89.7	179	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
65-85-0	Benzoic acid	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
105-60-2	Caprolactam	ND		ug/kg dry	44.8	89.5	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
86-74-8	Carbazole	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH

Sample Information

Client Sample ID: SB-4 D

York Sample ID: 15A0166-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	December 29, 2014 3:45 pm	01/07/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
218-01-9	Chrysene	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	44.8	89.5	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	44.8	89.5	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
206-44-0	Fluoranthene	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
86-73-7	Fluorene	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
78-59-1	Isophorone	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH

Sample Information

Client Sample ID: SB-4 D

York Sample ID: 15A0166-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	December 29, 2014 3:45 pm	01/07/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	44.8	89.5	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	44.8	89.5	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	44.8	89.5	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	44.8	89.5	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
85-01-8	Phenanthrene	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
108-95-2	Phenol	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
129-00-0	Pyrene	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	44.8	89.5	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	44.8	89.5	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	22.4	44.8	1	EPA 8270D	01/08/2015 06:49	01/09/2015 23:29	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*39.6 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*39.9 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*37.8 %*	*10-119*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*40.4 %*	*10-114*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*45.7 %*	*10-106*
1718-51-0	*Surrogate: Terphenyl-d14*	*41.4 %*	*10-123*

Sample Information

Client Sample ID: SB-4 D

York Sample ID: 15A0166-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	December 29, 2014 3:45 pm	01/07/2015

Pesticides, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	89.7	89.7	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:55	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.86	8.86	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:55	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:55	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:55	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:55	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:55	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:55	JW
72-20-8	Endrin	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:55	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:55	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:55	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:55	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:55	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:55	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.09	7.09	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:55	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:55	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:55	JW
309-00-2	Aldrin	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:55	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:55	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:55	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/09/2015 23:55	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*86.6 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*114 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A	01/08/2015 14:10	01/09/2015 20:09	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A	01/08/2015 14:10	01/09/2015 20:09	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A	01/08/2015 14:10	01/09/2015 20:09	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A	01/08/2015 14:10	01/09/2015 20:09	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A	01/08/2015 14:10	01/09/2015 20:09	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A	01/08/2015 14:10	01/09/2015 20:09	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A	01/08/2015 14:10	01/09/2015 20:09	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0179	0.0179	1	EPA 8082A	01/08/2015 14:10	01/09/2015 20:09	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*96.6 %*	*30-140*

Sample Information

Client Sample ID: SB-4 D

York Sample ID: 15A0166-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	December 29, 2014 3:45 pm	01/07/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	*Surrogate: Decachlorobiphenyl*	*66.7 %*			*30-140*						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5720**		mg/kg dry	1.07	1.07	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:20	MW
7440-36-0	Antimony	ND		mg/kg dry	0.537	0.537	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:20	MW
7440-38-2	**Arsenic**	**1.81**		mg/kg dry	1.07	1.07	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:20	MW
7440-39-3	**Barium**	**106**		mg/kg dry	1.07	1.07	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:20	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.107	0.107	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:20	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.322	0.322	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:20	MW
7440-70-2	**Calcium**	**6350**		mg/kg dry	0.537	5.37	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:20	MW
7440-47-3	**Chromium**	**12.1**		mg/kg dry	0.537	0.537	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:20	MW
7440-48-4	**Cobalt**	**6.70**		mg/kg dry	0.537	0.537	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:20	MW
7440-50-8	**Copper**	**9.82**		mg/kg dry	0.537	0.537	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:20	MW
7439-89-6	**Iron**	**12000**		mg/kg dry	2.15	2.15	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:20	MW
7439-92-1	**Lead**	**6.01**		mg/kg dry	0.322	0.322	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:20	MW
7439-95-4	**Magnesium**	**3770**		mg/kg dry	5.37	5.37	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:20	MW
7439-96-5	**Manganese**	**406**		mg/kg dry	0.537	0.537	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:20	MW
7440-02-0	**Nickel**	**16.6**		mg/kg dry	0.537	0.537	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:20	MW
7440-09-7	**Potassium**	**2150**		mg/kg dry	5.37	5.37	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:20	MW
7782-49-2	**Selenium**	**2.84**		mg/kg dry	1.07	1.07	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:20	MW
7440-22-4	Silver	ND		mg/kg dry	0.537	0.537	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:20	MW
7440-23-5	**Sodium**	**224**		mg/kg dry	10.7	10.7	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:20	MW
7440-28-0	Thallium	ND		mg/kg dry	1.07	1.07	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:20	MW
7440-62-2	**Vanadium**	**17.8**		mg/kg dry	1.07	1.07	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:20	MW
7440-66-6	**Zinc**	**22.4**		mg/kg dry	1.07	1.07	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:20	MW

Sample Information

Client Sample ID: SB-4 D **York Sample ID:** 15A0166-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	December 29, 2014 3:45 pm	01/07/2015

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0322	0.0322	1	EPA 7473	01/08/2015 06:55	01/08/2015 11:41	ALD

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**93.1**		%	0.100	0.100	1	SM 2540G	01/08/2015 08:58	01/08/2015 16:13	KK

Sample Information

Client Sample ID: SB-5 **York Sample ID:** 15A0166-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 10:45 am	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK

Sample Information

Client Sample ID: SB-5 **York Sample ID:** 15A0166-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 10:45 am	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	89	180	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
110-82-7	Cyclohexane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
591-78-6	2-Hexanone	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
67-64-1	**Acetone**	**9.8**	Cal-E	ug/kg dry	4.5	8.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
107-02-8	Acrolein	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
107-13-1	Acrylonitrile	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
71-43-2	Benzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
75-25-2	Bromoform	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
67-66-3	Chloroform	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
79-20-9	Methyl acetate	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
75-09-2	Methylene chloride	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
100-42-5	Styrene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK

Sample Information

Client Sample ID: SB-5 **York Sample ID:** 15A0166-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 10:45 am	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
108-88-3	Toluene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.7	13	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:22	BK
	Surrogate Recoveries	**Result**		**Acceptance Range**							
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*114 %*		*77-125*							
460-00-4	*Surrogate: p-Bromofluorobenzene*	*106 %*		*76-130*							
2037-26-5	*Surrogate: Toluene-d8*	*105 %*		*85-120*							

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
98-86-2	Acetophenone	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
62-53-3	Aniline	ND		ug/kg dry	87.8	176	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
120-12-7	Anthracene	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
1912-24-9	Atrazine	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
92-87-5	Benzidine	ND		ug/kg dry	87.8	176	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
56-55-3	**Benzo(a)anthracene**	**36.8**	J	ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
65-85-0	Benzoic acid	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
105-60-2	Caprolactam	ND		ug/kg dry	43.8	87.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
86-74-8	Carbazole	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH

Sample Information

Client Sample ID: SB-5 **York Sample ID:** 15A0166-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 10:45 am	01/07/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
218-01-9	**Chrysene**	**42.8**	J	ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	43.8	87.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	43.8	87.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
117-81-7	**Bis(2-ethylhexyl)phthalate**	**37.2**	J	ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
206-44-0	**Fluoranthene**	**36.1**	J	ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
86-73-7	Fluorene	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
78-59-1	Isophorone	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH

Sample Information

Client Sample ID: SB-5 **York Sample ID:** 15A0166-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 10:45 am	01/07/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	43.8	87.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	43.8	87.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	43.8	87.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	43.8	87.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
85-01-8	Phenanthrene	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
108-95-2	Phenol	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
129-00-0	**Pyrene**	**57.1**		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	43.8	87.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	43.8	87.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	22.0	43.8	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:02	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*63.8 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*64.2 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*60.3 %*	*10-119*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*58.1 %*	*10-114*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*68.5 %*	*10-106*
1718-51-0	*Surrogate: Terphenyl-d14*	*64.7 %*	*10-123*

Sample Information

Client Sample ID: SB-5 **York Sample ID:** 15A0166-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 10:45 am	01/07/2015

Pesticides, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	87.8	87.8	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:10	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.67	8.67	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:10	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:10	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:10	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:10	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:10	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:10	JW
72-20-8	Endrin	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:10	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:10	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:10	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:10	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:10	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:10	JW
57-74-9	Chlordane, total	ND		ug/kg dry	6.94	6.94	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:10	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:10	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:10	JW
309-00-2	Aldrin	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:10	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:10	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:10	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:10	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*93.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*129 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	01/08/2015 14:10	01/09/2015 20:39	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	01/08/2015 14:10	01/09/2015 20:39	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	01/08/2015 14:10	01/09/2015 20:39	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	01/08/2015 14:10	01/09/2015 20:39	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	01/08/2015 14:10	01/09/2015 20:39	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	01/08/2015 14:10	01/09/2015 20:39	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	01/08/2015 14:10	01/09/2015 20:39	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	01/08/2015 14:10	01/09/2015 20:39	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*100 %*	*30-140*

Sample Information

Client Sample ID: **SB-5** **York Sample ID:** **15A0166-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 10:45 am	01/07/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	*Surrogate: Decachlorobiphenyl*	*81.1 %*			*30-140*						

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**2690**		mg/kg dry	1.05	1.05	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:25	MW
7440-36-0	Antimony	ND		mg/kg dry	0.526	0.526	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:25	MW
7440-38-2	Arsenic	ND		mg/kg dry	1.05	1.05	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:25	MW
7440-39-3	**Barium**	**24.2**		mg/kg dry	1.05	1.05	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:25	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.105	0.105	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:25	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.315	0.315	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:25	MW
7440-70-2	**Calcium**	**1210**		mg/kg dry	0.526	5.26	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:25	MW
7440-47-3	**Chromium**	**4.20**		mg/kg dry	0.526	0.526	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:25	MW
7440-48-4	**Cobalt**	**1.69**		mg/kg dry	0.526	0.526	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:25	MW
7440-50-8	**Copper**	**5.00**		mg/kg dry	0.526	0.526	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:25	MW
7439-89-6	**Iron**	**5790**		mg/kg dry	2.10	2.10	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:25	MW
7439-92-1	**Lead**	**32.9**		mg/kg dry	0.315	0.315	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:25	MW
7439-95-4	**Magnesium**	**1340**		mg/kg dry	5.26	5.26	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:25	MW
7439-96-5	**Manganese**	**127**		mg/kg dry	0.526	0.526	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:25	MW
7440-02-0	**Nickel**	**4.92**		mg/kg dry	0.526	0.526	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:25	MW
7440-09-7	**Potassium**	**615**		mg/kg dry	5.26	5.26	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:25	MW
7782-49-2	**Selenium**	**1.72**		mg/kg dry	1.05	1.05	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:25	MW
7440-22-4	Silver	ND		mg/kg dry	0.526	0.526	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:25	MW
7440-23-5	**Sodium**	**165**		mg/kg dry	10.5	10.5	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:25	MW
7440-28-0	Thallium	ND		mg/kg dry	1.05	1.05	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:25	MW
7440-62-2	**Vanadium**	**9.60**		mg/kg dry	1.05	1.05	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:25	MW
7440-66-6	**Zinc**	**24.0**		mg/kg dry	1.05	1.05	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:25	MW

Sample Information

Client Sample ID: SB-5 **York Sample ID:** 15A0166-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 10:45 am	01/07/2015

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0315	0.0315	1	EPA 7473	01/08/2015 06:55	01/08/2015 11:50	ALD

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**95.1**		%	0.100	0.100	1	SM 2540G	01/08/2015 08:58	01/08/2015 16:13	KK

Sample Information

Client Sample ID: SB-6 **York Sample ID:** 15A0166-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	December 29, 2014 2:25 pm	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	4.5	9.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK

Sample Information

Client Sample ID: SB-6 **York Sample ID:** 15A0166-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	December 29, 2014 2:25 pm	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	90	180	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
110-82-7	Cyclohexane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
591-78-6	2-Hexanone	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
67-64-1	**Acetone**	**30**	Cal-E	ug/kg dry	4.5	9.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
107-02-8	Acrolein	ND		ug/kg dry	4.5	9.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
107-13-1	Acrylonitrile	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
71-43-2	Benzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
75-25-2	Bromoform	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
67-66-3	Chloroform	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
79-20-9	Methyl acetate	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
75-09-2	Methylene chloride	ND		ug/kg dry	4.5	9.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.5	9.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
100-42-5	Styrene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK

Sample Information

Client Sample ID: SB-6 **York Sample ID:** 15A0166-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	December 29, 2014 2:25 pm	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	4.5	9.0	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
108-88-3	Toluene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.2	4.5	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.7	13	1	EPA 8260C	01/09/2015 17:05	01/10/2015 06:59	BK
	Surrogate Recoveries	**Result**		**Acceptance Range**							
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*112 %*		*77-125*							
460-00-4	*Surrogate: p-Bromofluorobenzene*	*103 %*		*76-130*							
2037-26-5	*Surrogate: Toluene-d8*	*104 %*		*85-120*							

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
98-86-2	Acetophenone	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
62-53-3	Aniline	ND		ug/kg dry	182	363	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
120-12-7	Anthracene	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
1912-24-9	Atrazine	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
92-87-5	Benzidine	ND		ug/kg dry	182	363	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
56-55-3	**Benzo(a)anthracene**	**266**		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
50-32-8	**Benzo(a)pyrene**	**173**		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
205-99-2	**Benzo(b)fluoranthene**	**155**		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
191-24-2	**Benzo(g,h,i)perylene**	**104**	CCV-E	ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
65-85-0	Benzoic acid	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
207-08-9	**Benzo(k)fluoranthene**	**165**		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
105-60-2	Caprolactam	ND		ug/kg dry	90.7	181	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
86-74-8	Carbazole	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH

Sample Information

Client Sample ID: SB-6 **York Sample ID:** 15A0166-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	December 29, 2014 2:25 pm	01/07/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
218-01-9	**Chrysene**	**284**		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
53-70-3	**Dibenzo(a,h)anthracene**	**60.2**	CCV-E, J	ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	90.7	181	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	90.7	181	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
117-81-7	**Bis(2-ethylhexyl)phthalate**	**129**		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
206-44-0	**Fluoranthene**	**334**		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
86-73-7	Fluorene	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**71.1**	CCV-E, J	ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
78-59-1	Isophorone	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH

Sample Information

Client Sample ID: SB-6 **York Sample ID:** 15A0166-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	December 29, 2014 2:25 pm	01/07/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
91-20-3	Naphthalene	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	90.7	181	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	90.7	181	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	90.7	181	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	90.7	181	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
85-01-8	**Phenanthrene**	**204**		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
108-95-2	Phenol	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
129-00-0	**Pyrene**	**417**		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	90.7	181	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	90.7	181	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	45.5	90.7	2	EPA 8270D	01/08/2015 06:49	01/10/2015 01:39	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*76.0 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*89.4 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*80.4 %*	*10-119*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*83.7 %*	*10-114*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*81.3 %*	*10-106*
1718-51-0	*Surrogate: Terphenyl-d14*	*91.0 %*	*10-123*

Sample Information

Client Sample ID: SB-6 **York Sample ID:** 15A0166-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	December 29, 2014 2:25 pm	01/07/2015

Pesticides, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	90.8	90.8	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:25	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.97	8.97	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:25	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:25	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:25	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:25	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:25	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:25	JW
72-20-8	Endrin	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:25	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:25	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:25	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:25	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:25	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:25	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.18	7.18	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:25	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:25	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:25	JW
309-00-2	Aldrin	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:25	JW
50-29-3	**4,4'-DDT**	**5.25**		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:25	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:25	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:25	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*82.6 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*111 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	01/08/2015 14:10	01/09/2015 21:08	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	01/08/2015 14:10	01/09/2015 21:08	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	01/08/2015 14:10	01/09/2015 21:08	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	01/08/2015 14:10	01/09/2015 21:08	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	01/08/2015 14:10	01/09/2015 21:08	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	01/08/2015 14:10	01/09/2015 21:08	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	01/08/2015 14:10	01/09/2015 21:08	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	01/08/2015 14:10	01/09/2015 21:08	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*90.6 %*	*30-140*

Sample Information

Client Sample ID: SB-6 **York Sample ID:** 15A0166-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	December 29, 2014 2:25 pm	01/07/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	*Surrogate: Decachlorobiphenyl*	*71.1 %*			*30-140*						

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5980**		mg/kg dry	1.09	1.09	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:42	MW
7440-36-0	Antimony	ND		mg/kg dry	0.544	0.544	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:42	MW
7440-38-2	**Arsenic**	**3.02**		mg/kg dry	1.09	1.09	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:42	MW
7440-39-3	**Barium**	**149**		mg/kg dry	1.09	1.09	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:42	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.109	0.109	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:42	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.326	0.326	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:42	MW
7440-70-2	**Calcium**	**11700**		mg/kg dry	0.544	5.44	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:42	MW
7440-47-3	**Chromium**	**12.8**		mg/kg dry	0.544	0.544	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:42	MW
7440-48-4	**Cobalt**	**4.78**		mg/kg dry	0.544	0.544	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:42	MW
7440-50-8	**Copper**	**17.1**		mg/kg dry	0.544	0.544	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:42	MW
7439-89-6	**Iron**	**10900**		mg/kg dry	2.18	2.18	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:42	MW
7439-92-1	**Lead**	**98.9**		mg/kg dry	0.326	0.326	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:42	MW
7439-95-4	**Magnesium**	**3630**		mg/kg dry	5.44	5.44	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:42	MW
7439-96-5	**Manganese**	**257**		mg/kg dry	0.544	0.544	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:42	MW
7440-02-0	**Nickel**	**12.4**		mg/kg dry	0.544	0.544	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:42	MW
7440-09-7	**Potassium**	**1890**		mg/kg dry	5.44	5.44	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:42	MW
7782-49-2	**Selenium**	**2.54**		mg/kg dry	1.09	1.09	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:42	MW
7440-22-4	Silver	ND		mg/kg dry	0.544	0.544	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:42	MW
7440-23-5	**Sodium**	**314**		mg/kg dry	10.9	10.9	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:42	MW
7440-28-0	Thallium	ND		mg/kg dry	1.09	1.09	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:42	MW
7440-62-2	**Vanadium**	**25.9**		mg/kg dry	1.09	1.09	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:42	MW
7440-66-6	**Zinc**	**102**		mg/kg dry	1.09	1.09	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:42	MW

Sample Information

Client Sample ID: SB-6 **York Sample ID:** 15A0166-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	December 29, 2014 2:25 pm	01/07/2015

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.162**		mg/kg dry	0.0326	0.0326	1	EPA 7473	01/08/2015 06:55	01/08/2015 11:59	ALD

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.9**		%	0.100	0.100	1	SM 2540G	01/08/2015 08:58	01/08/2015 16:13	KK

Sample Information

Client Sample ID: SB-7 **York Sample ID:** 15A0166-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 10:00 am	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	5.3	11	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK

Sample Information

Client Sample ID: SB-7 **York Sample ID:** 15A0166-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 10:00 am	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	110	210	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
110-82-7	Cyclohexane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
591-78-6	2-Hexanone	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
67-64-1	**Acetone**	**16**	Cal-E	ug/kg dry	5.3	11	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
107-02-8	Acrolein	ND		ug/kg dry	5.3	11	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
107-13-1	Acrylonitrile	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
71-43-2	Benzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
75-25-2	Bromoform	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
67-66-3	Chloroform	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
79-20-9	Methyl acetate	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
75-09-2	Methylene chloride	ND		ug/kg dry	5.3	11	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.3	11	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
100-42-5	Styrene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK

Sample Information

Client Sample ID: SB-7 **York Sample ID:** 15A0166-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 10:00 am	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	5.3	11	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
108-88-3	Toluene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.0	16	1	EPA 8260C	01/09/2015 17:05	01/10/2015 07:36	BK
	Surrogate Recoveries	**Result**			**Acceptance Range**						
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*112 %*			*77-125*						
460-00-4	*Surrogate: p-Bromofluorobenzene*	*104 %*			*76-130*						
2037-26-5	*Surrogate: Toluene-d8*	*104 %*			*85-120*						

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
98-86-2	Acetophenone	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
62-53-3	Aniline	ND		ug/kg dry	91.4	183	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
120-12-7	**Anthracene**	**26.3**	J	ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
1912-24-9	Atrazine	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
92-87-5	Benzidine	ND		ug/kg dry	91.4	183	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
56-55-3	**Benzo(a)anthracene**	**140**		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
50-32-8	**Benzo(a)pyrene**	**96.7**		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
205-99-2	**Benzo(b)fluoranthene**	**68.3**		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
191-24-2	**Benzo(g,h,i)perylene**	**51.1**	CCV-E	ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
65-85-0	Benzoic acid	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
207-08-9	**Benzo(k)fluoranthene**	**98.2**		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
105-60-2	Caprolactam	ND		ug/kg dry	45.7	91.2	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
86-74-8	Carbazole	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH

Sample Information

Client Sample ID: SB-7 **York Sample ID:** 15A0166-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 10:00 am	01/07/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
218-01-9	**Chrysene**	**142**		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
53-70-3	**Dibenzo(a,h)anthracene**	**32.1**	CCV-E, J	ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	45.7	91.2	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	45.7	91.2	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
117-81-7	**Bis(2-ethylhexyl)phthalate**	**60.6**		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
206-44-0	**Fluoranthene**	**208**		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
86-73-7	Fluorene	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**48.2**	CCV-E	ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
78-59-1	Isophorone	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH

Sample Information

Client Sample ID: SB-7 **York Sample ID:** 15A0166-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 10:00 am	01/07/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	45.7	91.2	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	45.7	91.2	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	45.7	91.2	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	45.7	91.2	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
85-01-8	**Phenanthrene**	**132**		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
108-95-2	Phenol	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
129-00-0	**Pyrene**	**226**		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	45.7	91.2	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	45.7	91.2	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	22.9	45.7	1	EPA 8270D	01/08/2015 06:49	01/10/2015 00:34	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*52.3 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*65.0 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*66.3 %*	*10-119*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*68.0 %*	*10-114*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*45.8 %*	*10-106*
1718-51-0	*Surrogate: Terphenyl-d14*	*66.1 %*	*10-123*

Sample Information

Client Sample ID: **SB-7** **York Sample ID:** **15A0166-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 10:00 am	01/07/2015

Pesticides, EPA TCL List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	91.4	91.4	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:40	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.03	9.03	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:40	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:40	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:40	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:40	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:40	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:40	JW
72-20-8	Endrin	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:40	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:40	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:40	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:40	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:40	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:40	JW
57-74-9	**Chlordane, total**	**14.6**		ug/kg dry	7.23	7.23	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:40	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:40	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:40	JW
309-00-2	Aldrin	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:40	JW
50-29-3	**4,4'-DDT**	**8.57**		ug/kg dry	1.81	1.81	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:40	JW
72-55-9	**4,4'-DDE**	**2.26**		ug/kg dry	1.81	1.81	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:40	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:40	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*99.7 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*111 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	01/08/2015 14:10	01/09/2015 21:37	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	01/08/2015 14:10	01/09/2015 21:37	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	01/08/2015 14:10	01/09/2015 21:37	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	01/08/2015 14:10	01/09/2015 21:37	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	01/08/2015 14:10	01/09/2015 21:37	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	01/08/2015 14:10	01/09/2015 21:37	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	01/08/2015 14:10	01/09/2015 21:37	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	01/08/2015 14:10	01/09/2015 21:37	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*105 %*	*30-140*

Sample Information

Client Sample ID: SB-7 **York Sample ID:** 15A0166-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 10:00 am	01/07/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	*Surrogate: Decachlorobiphenyl*	*72.6 %*			*30-140*						

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**8590**		mg/kg dry	1.09	1.09	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:47	MW
7440-36-0	Antimony	ND		mg/kg dry	0.547	0.547	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:47	MW
7440-38-2	**Arsenic**	**3.93**		mg/kg dry	1.09	1.09	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:47	MW
7440-39-3	**Barium**	**208**		mg/kg dry	1.09	1.09	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:47	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.109	0.109	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:47	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.328	0.328	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:47	MW
7440-70-2	**Calcium**	**17300**		mg/kg dry	0.547	5.47	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:47	MW
7440-47-3	**Chromium**	**38.8**		mg/kg dry	0.547	0.547	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:47	MW
7440-48-4	**Cobalt**	**5.98**		mg/kg dry	0.547	0.547	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:47	MW
7440-50-8	**Copper**	**25.5**		mg/kg dry	0.547	0.547	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:47	MW
7439-89-6	**Iron**	**16100**		mg/kg dry	2.19	2.19	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:47	MW
7439-92-1	**Lead**	**158**		mg/kg dry	0.328	0.328	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:47	MW
7439-95-4	**Magnesium**	**6230**		mg/kg dry	5.47	5.47	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:47	MW
7439-96-5	**Manganese**	**402**		mg/kg dry	0.547	0.547	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:47	MW
7440-02-0	**Nickel**	**38.0**		mg/kg dry	0.547	0.547	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:47	MW
7440-09-7	**Potassium**	**3810**		mg/kg dry	5.47	5.47	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:47	MW
7782-49-2	**Selenium**	**3.43**		mg/kg dry	1.09	1.09	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:47	MW
7440-22-4	Silver	ND		mg/kg dry	0.547	0.547	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:47	MW
7440-23-5	**Sodium**	**376**		mg/kg dry	10.9	10.9	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:47	MW
7440-28-0	Thallium	ND		mg/kg dry	1.09	1.09	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:47	MW
7440-62-2	**Vanadium**	**20.7**		mg/kg dry	1.09	1.09	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:47	MW
7440-66-6	**Zinc**	**261**		mg/kg dry	1.09	1.09	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:47	MW

Sample Information

Client Sample ID: SB-7 **York Sample ID:** 15A0166-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 10:00 am	01/07/2015

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.775**		mg/kg dry	0.0328	0.0328	1	EPA 7473	01/08/2015 06:55	01/08/2015 12:09	ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.3**		%	0.100	0.100	1	SM 2540G	01/08/2015 08:58	01/08/2015 16:13	KK

Sample Information

Client Sample ID: SB-8 **York Sample ID:** 15A0166-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 3:15 pm	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	6.9	14	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK

Sample Information

Client Sample ID: SB-8 **York Sample ID:** 15A0166-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 3:15 pm	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	140	280	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
110-82-7	Cyclohexane	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
78-93-3	2-Butanone	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
591-78-6	2-Hexanone	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
67-64-1	**Acetone**	**22**	Cal-E	ug/kg dry	6.9	14	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
107-02-8	Acrolein	ND		ug/kg dry	6.9	14	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
107-13-1	Acrylonitrile	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
71-43-2	Benzene	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
75-25-2	Bromoform	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
74-83-9	Bromomethane	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
75-00-3	Chloroethane	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
67-66-3	Chloroform	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
74-87-3	Chloromethane	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
74-95-3	Dibromomethane	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
108-87-2	Methylcyclohexane	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
79-20-9	Methyl acetate	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
75-09-2	Methylene chloride	ND		ug/kg dry	6.9	14	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
95-47-6	o-Xylene	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	6.9	14	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
100-42-5	Styrene	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK

Sample Information

Client Sample ID: **SB-8** **York Sample ID:** **15A0166-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 3:15 pm	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	6.9	14	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
108-88-3	Toluene	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.4	6.9	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	10	21	1	EPA 8260C	01/09/2015 17:05	01/10/2015 08:12	BK
	Surrogate Recoveries	**Result**		**Acceptance Range**							
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*111 %*		*77-125*							
460-00-4	*Surrogate: p-Bromofluorobenzene*	*104 %*		*76-130*							
2037-26-5	*Surrogate: Toluene-d8*	*104 %*		*85-120*							

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
98-86-2	Acetophenone	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
62-53-3	Aniline	ND		ug/kg dry	89.4	179	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
120-12-7	Anthracene	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
1912-24-9	Atrazine	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
92-87-5	Benzidine	ND		ug/kg dry	89.4	179	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
56-55-3	**Benzo(a)anthracene**	**65.3**		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
50-32-8	**Benzo(a)pyrene**	**45.0**		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
205-99-2	**Benzo(b)fluoranthene**	**30.7**	J	ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
191-24-2	**Benzo(g,h,i)perylene**	**28.2**	CCV-E, J	ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
65-85-0	Benzoic acid	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
207-08-9	**Benzo(k)fluoranthene**	**33.9**	J	ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
105-60-2	Caprolactam	ND		ug/kg dry	44.6	89.2	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH

Sample Information

Client Sample ID: **SB-8** **York Sample ID:** **15A0166-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 3:15 pm	01/07/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-74-8	Carbazole	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
218-01-9	**Chrysene**	**73.9**		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	44.6	89.2	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	44.6	89.2	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
117-81-7	**Bis(2-ethylhexyl)phthalate**	**212**		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
206-44-0	**Fluoranthene**	**72.4**		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
86-73-7	Fluorene	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**25.7**	CCV-E, J	ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
78-59-1	Isophorone	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH

Sample Information

Client Sample ID: SB-8 **York Sample ID:** 15A0166-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 3:15 pm	01/07/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
91-20-3	Naphthalene	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	44.6	89.2	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	44.6	89.2	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	44.6	89.2	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	44.6	89.2	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
85-01-8	**Phenanthrene**	**47.8**		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
108-95-2	Phenol	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
129-00-0	**Pyrene**	**128**		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	44.6	89.2	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	44.6	89.2	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	22.4	44.6	1	EPA 8270D	01/08/2015 06:49	01/10/2015 01:07	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*28.1 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*51.8 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*57.1 %*	*10-119*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*64.0 %*	*10-114*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*13.1 %*	*10-106*
1718-51-0	*Surrogate: Terphenyl-d14*	*66.2 %*	*10-123*

Sample Information

Client Sample ID: SB-8 **York Sample ID:** 15A0166-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 3:15 pm	01/07/2015

Pesticides, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	89.4	89.4	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:55	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.83	8.83	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:55	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:55	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:55	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:55	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:55	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:55	JW
72-20-8	Endrin	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:55	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:55	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:55	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:55	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:55	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:55	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.07	7.07	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:55	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:55	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:55	JW
309-00-2	Aldrin	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:55	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:55	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:55	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	01/08/2015 14:10	01/10/2015 00:55	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*86.2 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*111 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	01/08/2015 14:10	01/09/2015 22:06	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	01/08/2015 14:10	01/09/2015 22:06	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	01/08/2015 14:10	01/09/2015 22:06	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	01/08/2015 14:10	01/09/2015 22:06	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	01/08/2015 14:10	01/09/2015 22:06	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	01/08/2015 14:10	01/09/2015 22:06	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	01/08/2015 14:10	01/09/2015 22:06	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	01/08/2015 14:10	01/09/2015 22:06	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*95.1 %*	*30-140*

Sample Information

Client Sample ID: **SB-8** **York Sample ID:** **15A0166-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 3:15 pm	01/07/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	*Surrogate: Decachlorobiphenyl*	*72.6 %*			*30-140*						

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**9240**		mg/kg dry	1.07	1.07	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:51	MW
7440-36-0	Antimony	ND		mg/kg dry	0.535	0.535	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:51	MW
7440-38-2	**Arsenic**	**3.72**		mg/kg dry	1.07	1.07	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:51	MW
7440-39-3	**Barium**	**171**		mg/kg dry	1.07	1.07	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:51	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.107	0.107	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:51	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.321	0.321	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:51	MW
7440-70-2	**Calcium**	**17300**		mg/kg dry	0.535	5.35	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:51	MW
7440-47-3	**Chromium**	**16.5**		mg/kg dry	0.535	0.535	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:51	MW
7440-48-4	**Cobalt**	**10.5**		mg/kg dry	0.535	0.535	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:51	MW
7440-50-8	**Copper**	**16.9**		mg/kg dry	0.535	0.535	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:51	MW
7439-89-6	**Iron**	**18200**		mg/kg dry	2.14	2.14	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:51	MW
7439-92-1	**Lead**	**35.8**		mg/kg dry	0.321	0.321	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:51	MW
7439-95-4	**Magnesium**	**6360**		mg/kg dry	5.35	5.35	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:51	MW
7439-96-5	**Manganese**	**350**		mg/kg dry	0.535	0.535	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:51	MW
7440-02-0	**Nickel**	**19.4**		mg/kg dry	0.535	0.535	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:51	MW
7440-09-7	**Potassium**	**6110**		mg/kg dry	5.35	5.35	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:51	MW
7782-49-2	**Selenium**	**3.75**		mg/kg dry	1.07	1.07	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:51	MW
7440-22-4	Silver	ND		mg/kg dry	0.535	0.535	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:51	MW
7440-23-5	**Sodium**	**711**		mg/kg dry	10.7	10.7	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:51	MW
7440-28-0	Thallium	ND		mg/kg dry	1.07	1.07	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:51	MW
7440-62-2	**Vanadium**	**25.6**		mg/kg dry	1.07	1.07	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:51	MW
7440-66-6	**Zinc**	**76.2**		mg/kg dry	1.07	1.07	1	EPA 6010C	01/08/2015 13:13	01/08/2015 20:51	MW

Sample Information

Client Sample ID: SB-8 **York Sample ID:** 15A0166-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Soil	January 5, 2015 3:15 pm	01/07/2015

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.137**		mg/kg dry	0.0321	0.0321	1	EPA 7473	01/08/2015 06:55	01/08/2015 12:21	ALD

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**93.4**		%	0.100	0.100	1	SM 2540G	01/08/2015 08:58	01/08/2015 16:13	KK

Sample Information

Client Sample ID: MW-2 **York Sample ID:** 15A0166-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Water	January 6, 2015 3:00 pm	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
95-63-6	**1,2,4-Trimethylbenzene**	**3.8**		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
108-67-8	**1,3,5-Trimethylbenzene**	**0.93**		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **15A0166-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Water	January 6, 2015 3:00 pm	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
78-93-3	**2-Butanone**	**15**		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
67-64-1	**Acetone**	**12**		ug/L	1.0	2.0	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
71-43-2	**Benzene**	**1.4**		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
100-41-4	**Ethyl Benzene**	**1.5**		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
103-65-1	**n-Propylbenzene**	**0.38**	J	ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
95-47-6	**o-Xylene**	**3.0**		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
179601-23-1	**p- & m- Xylenes**	**6.9**		ug/L	0.50	1.0	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **15A0166-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Water	January 6, 2015 3:00 pm	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
108-88-3	**Toluene**	**7.4**		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS
1330-20-7	*** Xylenes, Total**	**9.9**		ug/L	0.60	1.5	1	EPA 8260C	01/08/2015 08:58	01/08/2015 14:02	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*118 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*101 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*96.9 %*	*81-117*

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	01/08/2015 08:02	01/08/2015 18:29	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	01/08/2015 08:02	01/08/2015 18:29	KH
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
120-12-7	Anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	01/08/2015 08:02	01/08/2015 18:29	KH
1912-24-9	Atrazine	ND		ug/L	0.500	0.500	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
92-87-5	Benzidine	ND		ug/L	10.0	20.0	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	01/08/2015 08:02	01/08/2015 18:29	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	01/08/2015 08:02	01/08/2015 18:29	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	01/08/2015 08:02	01/08/2015 18:29	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	01/08/2015 08:02	01/08/2015 18:29	KH
65-85-0	Benzoic acid	ND		ug/L	25.0	50.0	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	01/08/2015 08:02	01/08/2015 18:29	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
92-52-4	1,1'-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
105-60-2	Caprolactam	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH

Sample Information

Client Sample ID: MW-2 **York Sample ID:** 15A0166-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Water	January 6, 2015 3:00 pm	01/07/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
218-01-9	Chrysene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	01/08/2015 08:02	01/08/2015 18:29	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	01/08/2015 08:02	01/08/2015 18:29	KH
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
117-81-7	**Bis(2-ethylhexyl)phthalate**	**4.38**		ug/L	0.500	0.500	1	EPA 8270D	01/08/2015 08:02	01/08/2015 18:29	KH
206-44-0	Fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	01/08/2015 08:02	01/08/2015 18:29	KH
86-73-7	Fluorene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	01/08/2015 08:02	01/08/2015 18:29	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	0.0200	1	EPA 8270D	01/08/2015 08:02	01/08/2015 18:29	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	0.500	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
67-72-1	Hexachloroethane	ND		ug/L	0.500	0.500	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	01/08/2015 08:02	01/08/2015 18:29	KH
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
91-20-3	**Naphthalene**	**0.920**		ug/L	0.0500	0.0500	1	EPA 8270D	01/08/2015 08:02	01/08/2015 18:29	KH

Sample Information

Client Sample ID: MW-2 **York Sample ID:** 15A0166-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Water	January 6, 2015 3:00 pm	01/07/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
98-95-3	Nitrobenzene	ND		ug/L	0.250	0.250	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	0.500	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.250	0.250	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
85-01-8	**Phenanthrene**	**0.190**		ug/L	0.0500	0.0500	1	EPA 8270D	01/08/2015 08:02	01/08/2015 18:29	KH
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
129-00-0	Pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	01/08/2015 08:02	01/08/2015 18:29	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	01/08/2015 08:02	01/08/2015 20:44	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*29.8 %*	*10-47*
4165-62-2	*Surrogate: Phenol-d5*	*19.9 %*	*10-37*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*42.9 %*	*10-109*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*42.4 %*	*10-97*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*47.1 %*	*10-112*
1718-51-0	*Surrogate: Terphenyl-d14*	*43.5 %*	*10-137*

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **15A0166-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0166	7648-NYNY	Water	January 6, 2015 3:00 pm	01/07/2015

Metals, Target Analyte, Dissolved

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.010	0.010	1	EPA 6010C	01/08/2015 13:19	01/08/2015 21:50	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	01/08/2015 13:19	01/08/2015 21:50	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C	01/08/2015 13:19	01/08/2015 21:50	MW
7440-39-3	**Barium**	**0.248**		mg/L	0.010	0.010	1	EPA 6010C	01/08/2015 13:19	01/08/2015 21:50	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	01/08/2015 13:19	01/08/2015 21:50	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	01/08/2015 13:19	01/08/2015 21:50	MW
7440-70-2	**Calcium**	**326**		mg/L	0.050	0.050	1	EPA 6010C	01/08/2015 13:19	01/08/2015 21:50	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	01/08/2015 13:19	01/08/2015 21:50	MW
7440-48-4	**Cobalt**	**0.016**		mg/L	0.005	0.005	1	EPA 6010C	01/08/2015 13:19	01/08/2015 21:50	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	01/08/2015 13:19	01/08/2015 21:50	MW
7439-89-6	Iron	ND		mg/L	0.020	0.020	1	EPA 6010C	01/08/2015 13:19	01/08/2015 21:50	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	01/08/2015 13:19	01/08/2015 21:50	MW
7439-95-4	**Magnesium**	**49.1**		mg/L	0.050	0.050	1	EPA 6010C	01/08/2015 13:19	01/08/2015 21:50	MW
7439-96-5	**Manganese**	**3.02**		mg/L	0.005	0.005	1	EPA 6010C	01/08/2015 13:19	01/08/2015 21:50	MW
7440-02-0	**Nickel**	**0.018**		mg/L	0.005	0.005	1	EPA 6010C	01/08/2015 13:19	01/08/2015 21:50	MW
7440-09-7	**Potassium**	**21.8**		mg/L	0.050	0.050	1	EPA 6010C	01/08/2015 13:19	01/08/2015 21:50	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C	01/08/2015 13:19	01/08/2015 21:50	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	01/08/2015 13:19	01/08/2015 21:50	MW
7440-23-5	**Sodium**	**240**		mg/L	0.100	0.100	1	EPA 6010C	01/08/2015 13:19	01/08/2015 21:50	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	01/08/2015 13:19	01/08/2015 21:50	MW
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	01/08/2015 13:19	01/08/2015 21:50	MW
7440-66-6	**Zinc**	**0.011**		mg/L	0.010	0.010	1	EPA 6010C	01/08/2015 13:19	01/08/2015 21:50	MW

Mercury by 7473, Dissolved

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473	01/08/2015 06:58	01/08/2015 10:28	ALD

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
15A0166-01	SB-1	40mL Vial with Stir Bar-Cool 4° C
15A0166-02	SB-2 0-2	40mL Vial with Stir Bar-Cool 4° C
15A0166-03	SB-2 7-9	40mL Vial with Stir Bar-Cool 4° C
15A0166-04	SB-3 0-2	40mL Vial with Stir Bar-Cool 4° C
15A0166-05	SB-3 7-9	40mL Vial with Stir Bar-Cool 4° C
15A0166-06	SB-4 S	40mL Vial with Stir Bar-Cool 4° C
15A0166-07	SB-4 D	40mL Vial with Stir Bar-Cool 4° C
15A0166-08	SB-5	40mL Vial with Stir Bar-Cool 4° C
15A0166-09	SB-6	40mL Vial with Stir Bar-Cool 4° C
15A0166-10	SB-7	40mL Vial with Stir Bar-Cool 4° C
15A0166-11	SB-8	40mL Vial with Stir Bar-Cool 4° C
15A0166-12	MW-2	1000mL Amber Glass Cool to 4° C

Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-LSRD	Original sample conc <50 X reporting limit.
M-ACCB	Analyte in CCB. Run is bracketed by acceptable CCBs.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Cal-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20% AND correlation coefficient <0.990 for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

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*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

Corrective Action: Client Did Not List Different Depths For Various Soil Borings On CoC

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 15A01606

YOUR Information

Company: Advanced CleanupTech
Address: 110 Main St. Port Washington, NY
Phone No. 516 441 5800
Contact Person: Tim Yang
E-Mail Address: timy@actenvirons.com

Report To:

Company: ACT
Address: same
Phone No.
Attention: Theresa Burkard
E-Mail Address: theresab@actenvirons.com

Invoice To:

Company: ACT
Address: same
Phone No.
Attention: Karen Friedman
E-Mail Address: Karen@actenvirons.com

YOUR Project ID

7648-NYNY

Purchase Order No.

Samples from: CT___ NY ✓ NJ___

Turn-Around Time

- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☒
- RUSH - Four Day ☐
- Standard(5-7 Days) ☐

Report Type

- Summary Report ✓
- Summary w/ QA Summary ____
- CT RCP Package ____
- CTRCP DQA/DUE Pkg ____
- NY ASP A Package ____
- NY ASP B Package ____
- NJDEP Red. Deliv. ____

Electronic Data Deliverables (EDD)

- Simple Excel ____
- NYSDEC EQuIS ____
- EQuIS (std) ____
- EZ-EDD (EQuIS) ____
- NJDEP SRP HazSite EDD ____
- GIS/KEY (std) ____
- Other ____
- **York Regulatory Comparison Excel Spreadsheet**

Compare to the following Regs. (please fill in):

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
SB-1	1/6/15 1145	S	VOCs, SVOCs, TAL, Pest/PCBs	VOC Kit, (2) 4oz's
SB-2	1/5/15 1330	"	"	VOC Kit (2x), (4) 4oz
SB-3	1/6/15 1300	"	"	VOC Kit (2x), (4) 4oz
SB-4	12/29/14 1545	"	"	VOC Kit (2x), (4) 4oz
SB-5	1/5/15 1045	"	"	VOC Kit, (2) 4oz
SB-6	12/29/14 1425	"	"	VOC Kit, (2) 4oz
SB-7	1/5/15 1000	"	"	VOC Kit, (2) 4oz
SB-8	1/5/15 1515	"	"	VOC Kit, (2) 4oz
MW-2	1/6/15	GW	VOCs, dissolved metals, SVOCs *	

Comments
* SVOCs if enough remaining (low recovery)

Preservation Check those Applicable
4°C___ Frozen___ HCl___ MeOH___ HNO_3___ H_2SO_4___ NaOH___
ZnAc Ascorbic Acid Other

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By — Date/Time 1/7/15 3:00 PM
Samples Relinquished By — Date/Time

Samples Received By — Date/Time 1-7-15 PM 3:10
Samples Received in LAB by — Date/Time 1/7/15 1820

Temperature on Receipt 3.6 °C

Technical Report

prepared for:

Advanced Cleanup Technologies, Inc.
110 Main Street
Port Washington NY, 11050
Attention: Theresa Burkard

Report Date: 01/12/2015
Client Project ID: 7648-NYNY
York Project (SDG) No.: 15A0147

Report Date: 01/12/2015
Client Project ID: 7648-NYNY
York Project (SDG) No.: 15A0147

Advanced Cleanup Technologies, Inc.
110 Main Street
Port Washington NY, 11050
Attention: Theresa Burkard

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on January 07, 2015 and listed below. The project was identified as your project: **7648-NYNY**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
15A0147-01	SV-1	Soil Vapor	01/06/2015	01/07/2015
15A0147-02	SV-2	Soil Vapor	01/06/2015	01/07/2015
15A0147-03	SV-3	Soil Vapor	01/06/2015	01/07/2015
15A0147-04	SV-4	Soil Vapor	01/06/2015	01/07/2015
15A0147-05	SV-5	Soil Vapor	01/06/2015	01/07/2015

General Notes for York Project (SDG) No.: 15A0147

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 01/12/2015

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: SV-1 **York Sample ID:** 15A0147-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0147	7648-NYNY	Soil Vapor	January 6, 2015 3:00 pm	01/07/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	1.4	1.4	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
108-05-4	Vinyl acetate	ND		ug/m³	7.9	7.9	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
79-01-6	Trichloroethylene	ND		ug/m³	3.0	3.0	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	10	10	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	8.9	8.9	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
108-88-3	**Toluene**	**430**		ug/m³	8.4	8.4	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
109-99-9	*** Tetrahydrofuran**	**720**		ug/m³	6.6	6.6	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
127-18-4	Tetrachloroethylene	ND		ug/m³	3.8	3.8	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
100-42-5	Styrene	ND		ug/m³	9.5	9.5	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
115-07-1	* Propylene	ND		ug/m³	3.9	3.9	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
622-96-8	*** p-Ethyltoluene**	**34**		ug/m³	11	11	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
179601-23-1	**p- & m- Xylenes**	**200**		ug/m³	19	19	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
95-47-6	**o-Xylene**	**53**		ug/m³	9.7	9.7	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
110-54-3	**n-Hexane**	**78**		ug/m³	7.9	7.9	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
142-82-5	**n-Heptane**	**55**		ug/m³	9.2	9.2	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
75-09-2	Methylene chloride	ND		ug/m³	16	16	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	8.1	8.1	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	9.2	9.2	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
67-63-0	Isopropanol	ND		ug/m³	11	11	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m³	24	24	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
100-41-4	**Ethyl Benzene**	**58**		ug/m³	9.7	9.7	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
141-78-6	* Ethyl acetate	ND		ug/m³	16	16	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
110-82-7	**Cyclohexane**	**12**		ug/m³	7.7	7.7	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	10	10	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	8.9	8.9	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
74-87-3	Chloromethane	ND		ug/m³	4.6	4.6	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
67-66-3	**Chloroform**	**13**		ug/m³	11	11	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
75-00-3	Chloroethane	ND		ug/m³	5.9	5.9	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
56-23-5	Carbon tetrachloride	ND		ug/m³	3.5	3.5	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
75-15-0	**Carbon disulfide**	**16**		ug/m³	7.0	7.0	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
74-83-9	Bromomethane	ND		ug/m³	8.7	8.7	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
75-25-2	Bromoform	ND		ug/m³	23	23	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
75-27-4	Bromodichloromethane	ND		ug/m³	14	14	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
100-44-7	Benzyl chloride	ND		ug/m³	12	12	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
71-43-2	**Benzene**	**67**		ug/m³	7.2	7.2	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
67-64-1	**Acetone**	**94**		ug/m³	5.3	5.3	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
591-78-6	* 2-Hexanone	ND		ug/m³	18	18	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
78-93-3	**2-Butanone**	**120**		ug/m³	6.6	6.6	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD

Sample Information

Client Sample ID: SV-1 **York Sample ID:** 15A0147-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0147	7648-NYNY	Soil Vapor	January 6, 2015 3:00 pm	01/07/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/m³	8.1	8.1	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	13	13	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	13	13	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
106-99-0	1,3-Butadiene	ND		ug/m³	9.7	9.7	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	11	11	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	16	16	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m³	10	10	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m³	9.1	9.1	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	13	13	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
95-63-6	**1,2,4-Trimethylbenzene**	**26**		ug/m³	11	11	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	17	17	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	8.9	8.9	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m³	9.1	9.1	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	13	13	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	12	12	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	17	17	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	15	15	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	12	12	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
75-71-8	Dichlorodifluoromethane	ND		ug/m³	11	11	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m³	17	17	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
124-48-1	Dibromochloromethane	ND		ug/m³	18	18	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
80-62-6	Methyl Methacrylate	ND		ug/m³	9.2	9.2	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD
108-90-7	Chlorobenzene	ND		ug/m³	10	10	22.4	EPA TO-15	01/10/2015 07:06	01/10/2015 20:14	ALD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.9 %*	*72-118*

Sample Information

Client Sample ID: SV-2 **York Sample ID:** 15A0147-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0147	7648-NYNY	Soil Vapor	January 6, 2015 3:00 pm	01/07/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	1.1	1.1	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
108-05-4	Vinyl acetate	ND		ug/m³	6.2	6.2	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD

Sample Information

Client Sample ID: SV-2 **York Sample ID:** 15A0147-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0147	7648-NYNY	Soil Vapor	January 6, 2015 3:00 pm	01/07/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		ug/m³	2.4	2.4	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	8.0	8.0	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	7.0	7.0	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
108-88-3	**Toluene**	**230**		ug/m³	6.7	6.7	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
109-99-9	*** Tetrahydrofuran**	**260**		ug/m³	5.2	5.2	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
127-18-4	Tetrachloroethylene	ND		ug/m³	3.0	3.0	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
100-42-5	Styrene	ND		ug/m³	7.5	7.5	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
115-07-1	* Propylene	ND		ug/m³	3.0	3.0	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
622-96-8	*** p-Ethyltoluene**	**34**		ug/m³	8.7	8.7	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
179601-23-1	**p- & m- Xylenes**	**170**		ug/m³	15	15	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
95-47-6	**o-Xylene**	**48**		ug/m³	7.7	7.7	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
110-54-3	**n-Hexane**	**31**		ug/m³	6.2	6.2	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
142-82-5	**n-Heptane**	**26**		ug/m³	7.2	7.2	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
75-09-2	Methylene chloride	ND		ug/m³	12	12	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	6.4	6.4	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	7.2	7.2	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
67-63-0	Isopropanol	ND		ug/m³	8.7	8.7	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m³	19	19	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
100-41-4	**Ethyl Benzene**	**43**		ug/m³	7.7	7.7	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
141-78-6	* Ethyl acetate	ND		ug/m³	13	13	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
110-82-7	**Cyclohexane**	**6.1**		ug/m³	6.1	6.1	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	8.0	8.0	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	7.0	7.0	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
74-87-3	Chloromethane	ND		ug/m³	3.7	3.7	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
67-66-3	**Chloroform**	**28**		ug/m³	8.6	8.6	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
75-00-3	Chloroethane	ND		ug/m³	4.7	4.7	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
56-23-5	Carbon tetrachloride	ND		ug/m³	2.8	2.8	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
75-15-0	**Carbon disulfide**	**7.2**		ug/m³	5.5	5.5	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
74-83-9	Bromomethane	ND		ug/m³	6.9	6.9	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
75-25-2	Bromoform	ND		ug/m³	18	18	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
75-27-4	Bromodichloromethane	ND		ug/m³	11	11	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
100-44-7	Benzyl chloride	ND		ug/m³	9.2	9.2	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
71-43-2	**Benzene**	**23**		ug/m³	5.6	5.6	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
67-64-1	**Acetone**	**31**		ug/m³	4.2	4.2	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
591-78-6	* 2-Hexanone	ND		ug/m³	14	14	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
78-93-3	**2-Butanone**	**33**		ug/m³	5.2	5.2	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
123-91-1	1,4-Dioxane	ND		ug/m³	6.4	6.4	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	11	11	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	11	11	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD

Sample Information

Client Sample ID: SV-2 **York Sample ID:** 15A0147-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0147	7648-NYNY	Soil Vapor	January 6, 2015 3:00 pm	01/07/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-99-0	1,3-Butadiene	ND		ug/m³	7.7	7.7	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	8.7	8.7	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	12	12	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m³	8.2	8.2	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m³	7.2	7.2	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	11	11	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
95-63-6	**1,2,4-Trimethylbenzene**	**28**		ug/m³	8.7	8.7	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	13	13	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	7.0	7.0	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m³	7.2	7.2	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	9.9	9.9	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	9.6	9.6	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	14	14	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	12	12	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	9.6	9.6	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
75-71-8	Dichlorodifluoromethane	ND		ug/m³	8.7	8.7	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m³	14	14	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
124-48-1	Dibromochloromethane	ND		ug/m³	14	14	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
80-62-6	Methyl Methacrylate	ND		ug/m³	7.2	7.2	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD
108-90-7	Chlorobenzene	ND		ug/m³	8.1	8.1	17.68	EPA TO-15	01/10/2015 07:06	01/10/2015 21:03	ALD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.4 %*	*72-118*

Sample Information

Client Sample ID: SV-3 **York Sample ID:** 15A0147-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0147	7648-NYNY	Soil Vapor	January 6, 2015 3:00 pm	01/07/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	1.3	1.3	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
108-05-4	Vinyl acetate	ND		ug/m³	7.4	7.4	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
79-01-6	Trichloroethylene	ND		ug/m³	2.8	2.8	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	9.5	9.5	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	8.3	8.3	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD

Sample Information

Client Sample ID: SV-3 **York Sample ID:** 15A0147-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0147	7648-NYNY	Soil Vapor	January 6, 2015 3:00 pm	01/07/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	**Toluene**	**340**		ug/m³	7.9	7.9	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
109-99-9	*** Tetrahydrofuran**	**460**		ug/m³	6.2	6.2	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
127-18-4	Tetrachloroethylene	ND		ug/m³	3.6	3.6	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
100-42-5	Styrene	ND		ug/m³	8.9	8.9	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
115-07-1	* Propylene	ND		ug/m³	3.6	3.6	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
622-96-8	*** p-Ethyltoluene**	**30**		ug/m³	10	10	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
179601-23-1	**p- & m- Xylenes**	**180**		ug/m³	18	18	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
95-47-6	**o-Xylene**	**47**		ug/m³	9.1	9.1	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
110-54-3	**n-Hexane**	**56**		ug/m³	7.4	7.4	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
142-82-5	**n-Heptane**	**37**		ug/m³	8.6	8.6	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
75-09-2	Methylene chloride	ND		ug/m³	15	15	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	7.6	7.6	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	8.6	8.6	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
67-63-0	Isopropanol	ND		ug/m³	10	10	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m³	22	22	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
100-41-4	**Ethyl Benzene**	**49**		ug/m³	9.1	9.1	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
141-78-6	* Ethyl acetate	ND		ug/m³	15	15	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
110-82-7	**Cyclohexane**	**8.7**		ug/m³	7.2	7.2	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	9.5	9.5	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	8.3	8.3	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
74-87-3	Chloromethane	ND		ug/m³	4.3	4.3	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
67-66-3	**Chloroform**	**21**		ug/m³	10	10	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
75-00-3	Chloroethane	ND		ug/m³	5.5	5.5	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
56-23-5	Carbon tetrachloride	ND		ug/m³	3.3	3.3	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
75-15-0	**Carbon disulfide**	**48**		ug/m³	6.5	6.5	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
74-83-9	Bromomethane	ND		ug/m³	8.2	8.2	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
75-25-2	Bromoform	ND		ug/m³	22	22	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
75-27-4	Bromodichloromethane	ND		ug/m³	13	13	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
100-44-7	Benzyl chloride	ND		ug/m³	11	11	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
71-43-2	**Benzene**	**62**		ug/m³	6.7	6.7	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
67-64-1	**Acetone**	**91**		ug/m³	5.0	5.0	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
591-78-6	* 2-Hexanone	ND		ug/m³	17	17	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
78-93-3	**2-Butanone**	**81**		ug/m³	6.2	6.2	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
123-91-1	1,4-Dioxane	ND		ug/m³	7.6	7.6	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	13	13	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	13	13	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
106-99-0	1,3-Butadiene	ND		ug/m³	9.1	9.1	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	10	10	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	15	15	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD

Sample Information

Client Sample ID: SV-3 **York Sample ID:** 15A0147-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0147	7648-NYNY	Soil Vapor	January 6, 2015 3:00 pm	01/07/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/m³	9.7	9.7	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m³	8.5	8.5	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	13	13	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
95-63-6	**1,2,4-Trimethylbenzene**	**23**		ug/m³	10	10	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	16	16	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	8.3	8.3	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m³	8.5	8.5	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	12	12	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	11	11	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	16	16	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	14	14	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	11	11	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
75-71-8	Dichlorodifluoromethane	ND		ug/m³	10	10	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m³	16	16	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
124-48-1	Dibromochloromethane	ND		ug/m³	17	17	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
80-62-6	Methyl Methacrylate	ND		ug/m³	8.6	8.6	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD
108-90-7	Chlorobenzene	ND		ug/m³	9.7	9.7	21	EPA TO-15	01/10/2015 07:06	01/10/2015 21:52	ALD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.5 %*	*72-118*

Sample Information

Client Sample ID: SV-4 **York Sample ID:** 15A0147-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0147	7648-NYNY	Soil Vapor	January 6, 2015 3:00 pm	01/07/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	1.1	1.1	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
108-05-4	Vinyl acetate	ND		ug/m³	6.1	6.1	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
79-01-6	Trichloroethylene	ND		ug/m³	2.3	2.3	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	7.9	7.9	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	6.9	6.9	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
108-88-3	**Toluene**	**260**		ug/m³	6.5	6.5	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
109-99-9	*** Tetrahydrofuran**	**310**		ug/m³	5.1	5.1	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
127-18-4	Tetrachloroethylene	ND		ug/m³	2.9	2.9	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD

Sample Information

Client Sample ID: SV-4 **York Sample ID:** 15A0147-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0147	7648-NYNY	Soil Vapor	January 6, 2015 3:00 pm	01/07/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/m³	7.4	7.4	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
115-07-1	* Propylene	ND		ug/m³	3.0	3.0	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
622-96-8	*** p-Ethyltoluene**	**21**		ug/m³	8.5	8.5	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
179601-23-1	**p- & m- Xylenes**	**140**		ug/m³	15	15	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
95-47-6	**o-Xylene**	**35**		ug/m³	7.5	7.5	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
110-54-3	**n-Hexane**	**38**		ug/m³	6.1	6.1	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
142-82-5	**n-Heptane**	**23**		ug/m³	7.1	7.1	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
75-09-2	**Methylene chloride**	**26**		ug/m³	12	12	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	6.3	6.3	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	7.1	7.1	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
67-63-0	Isopropanol	ND		ug/m³	8.5	8.5	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m³	19	19	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
100-41-4	**Ethyl Benzene**	**40**		ug/m³	7.5	7.5	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
141-78-6	* Ethyl acetate	ND		ug/m³	13	13	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
110-82-7	Cyclohexane	ND		ug/m³	6.0	6.0	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	7.9	7.9	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	6.9	6.9	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
74-87-3	Chloromethane	ND		ug/m³	3.6	3.6	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
67-66-3	**Chloroform**	**12**		ug/m³	8.5	8.5	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
75-00-3	Chloroethane	ND		ug/m³	4.6	4.6	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
56-23-5	Carbon tetrachloride	ND		ug/m³	2.7	2.7	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
75-15-0	**Carbon disulfide**	**15**		ug/m³	5.4	5.4	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
74-83-9	Bromomethane	ND		ug/m³	6.7	6.7	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
75-25-2	Bromoform	ND		ug/m³	18	18	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
75-27-4	Bromodichloromethane	ND		ug/m³	11	11	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
100-44-7	Benzyl chloride	ND		ug/m³	9.0	9.0	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
71-43-2	**Benzene**	**28**		ug/m³	5.6	5.6	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
67-64-1	**Acetone**	**74**		ug/m³	4.1	4.1	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
591-78-6	* 2-Hexanone	ND		ug/m³	14	14	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
78-93-3	**2-Butanone**	**52**		ug/m³	5.1	5.1	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
123-91-1	1,4-Dioxane	ND		ug/m³	6.3	6.3	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	10	10	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	10	10	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
106-99-0	1,3-Butadiene	ND		ug/m³	7.5	7.5	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	8.5	8.5	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	12	12	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m³	8.0	8.0	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m³	7.0	7.0	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	10	10	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD

Sample Information

Client Sample ID: SV-4 **York Sample ID:** 15A0147-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0147	7648-NYNY	Soil Vapor	January 6, 2015 3:00 pm	01/07/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	**1,2,4-Trimethylbenzene**	**15**		ug/m³	8.5	8.5	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	13	13	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	6.9	6.9	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m³	7.0	7.0	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	9.8	9.8	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	9.5	9.5	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	13	13	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	12	12	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	9.5	9.5	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
75-71-8	Dichlorodifluoromethane	ND		ug/m³	8.6	8.6	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m³	13	13	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
124-48-1	Dibromochloromethane	ND		ug/m³	14	14	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
80-62-6	Methyl Methacrylate	ND		ug/m³	7.1	7.1	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
108-90-7	Chlorobenzene	ND		ug/m³	8.0	8.0	17.38	EPA TO-15	01/10/2015 07:06	01/10/2015 22:42	ALD
	Surrogate Recoveries	**Result**		**Acceptance Range**							
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.9 %*		*72-118*							

Sample Information

Client Sample ID: SV-5 **York Sample ID:** 15A0147-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0147	7648-NYNY	Soil Vapor	January 6, 2015 3:00 pm	01/07/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	0.13	0.13	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
108-05-4	Vinyl acetate	ND		ug/m³	0.70	0.70	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
79-01-6	Trichloroethylene	ND		ug/m³	0.27	0.27	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.90	0.90	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.78	0.78	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
108-88-3	**Toluene**	**66**		ug/m³	0.74	0.74	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
109-99-9	*** Tetrahydrofuran**	**96**		ug/m³	0.58	0.58	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
127-18-4	**Tetrachloroethylene**	**3.2**		ug/m³	0.34	0.34	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
100-42-5	Styrene	ND		ug/m³	0.84	0.84	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
115-07-1	* Propylene	ND		ug/m³	0.34	0.34	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
622-96-8	*** p-Ethyltoluene**	**7.1**		ug/m³	0.97	0.97	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD

Sample Information

Client Sample ID: SV-5 **York Sample ID:** 15A0147-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0147	7648-NYNY	Soil Vapor	January 6, 2015 3:00 pm	01/07/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	**p- & m- Xylenes**	**39**		ug/m³	1.7	1.7	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
95-47-6	**o-Xylene**	**10**		ug/m³	0.86	0.86	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
110-54-3	**n-Hexane**	**12**		ug/m³	0.70	0.70	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
142-82-5	**n-Heptane**	**7.5**		ug/m³	0.81	0.81	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
75-09-2	**Methylene chloride**	**1.4**		ug/m³	1.4	1.4	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.71	0.71	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.81	0.81	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
67-63-0	**Isopropanol**	**1.2**		ug/m³	0.97	0.97	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m³	2.1	2.1	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
100-41-4	**Ethyl Benzene**	**11**		ug/m³	0.86	0.86	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
141-78-6	* Ethyl acetate	ND		ug/m³	1.4	1.4	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
110-82-7	**Cyclohexane**	**2.1**		ug/m³	0.68	0.68	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.90	0.90	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.78	0.78	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
74-87-3	Chloromethane	ND		ug/m³	0.41	0.41	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
67-66-3	**Chloroform**	**1.4**		ug/m³	0.96	0.96	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
75-00-3	Chloroethane	ND		ug/m³	0.52	0.52	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
56-23-5	Carbon tetrachloride	ND		ug/m³	0.31	0.31	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
75-15-0	**Carbon disulfide**	**4.6**		ug/m³	0.62	0.62	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
74-83-9	Bromomethane	ND		ug/m³	0.77	0.77	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
75-25-2	Bromoform	ND		ug/m³	2.0	2.0	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
75-27-4	Bromodichloromethane	ND		ug/m³	1.2	1.2	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
100-44-7	Benzyl chloride	ND		ug/m³	1.0	1.0	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
71-43-2	**Benzene**	**8.2**		ug/m³	0.63	0.63	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
67-64-1	**Acetone**	**21**		ug/m³	0.47	0.47	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
591-78-6	* 2-Hexanone	ND		ug/m³	1.6	1.6	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
78-93-3	**2-Butanone**	**19**		ug/m³	0.58	0.58	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
123-91-1	1,4-Dioxane	ND		ug/m³	0.71	0.71	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.2	1.2	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.2	1.2	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
106-99-0	1,3-Butadiene	ND		ug/m³	0.86	0.86	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
108-67-8	**1,3,5-Trimethylbenzene**	**1.4**		ug/m³	0.97	0.97	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.4	1.4	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.91	0.91	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.80	0.80	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.2	1.2	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
95-63-6	**1,2,4-Trimethylbenzene**	**4.8**		ug/m³	0.97	0.97	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.5	1.5	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.78	0.78	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD

Sample Information

Client Sample ID: SV-5 **York Sample ID:** 15A0147-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0147	7648-NYNY	Soil Vapor	January 6, 2015 3:00 pm	01/07/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.80	0.80	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.2**		ug/m³	1.1	1.1	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.1	1.1	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.5	1.5	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.4	1.4	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	1.1	1.1	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
75-71-8	**Dichlorodifluoromethane**	**1.9**		ug/m³	0.98	0.98	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.5	1.5	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
124-48-1	Dibromochloromethane	ND		ug/m³	1.6	1.6	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
80-62-6	Methyl Methacrylate	ND		ug/m³	0.81	0.81	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD
108-90-7	Chlorobenzene	ND		ug/m³	0.91	0.91	1.976	EPA TO-15	01/10/2015 07:06	01/11/2015 10:34	ALD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.1 %*	*72-118*

Notes and Definitions

QL-03 This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.

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*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record - AIR

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 15A0147

YOUR Information
Company: Advanced Cleanup Tech
Address: 110 Main Street
Port Washington, NY
Phone No. 516 441 5800
Contact Person: Tim Young
E-Mail Address: timy@actenvirons.com

Report To:
Company: ACT
Address: same
Phone No.
Attention: Theresa Burkard
E-Mail Address: theresab@actenvirons.com

Invoice To:
Company: ACT
Address: same
Phone No. same
Attention: Karen Friedman
E-Mail Address: Karenf@actenvirons.com

YOUR Project ID
7648- NYNY

Purchase Order No.

Samples from: CT ___ NY X NJ ___

Turn-Around Time
- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☒
- RUSH - Four Day ☐
- Standard(5-7 Days) ☐

Report Type/Deliverables
- Summary Report X
- Summary w/ QA Summary ____
- CT RCP Package ____
- NY ASP A Package ____
- NY ASP B/CLP Pkg ____
- NJDEP Reduced ____

Electronic Deliverables:
- EDD (Specify Type) ____
- Standard Excel ____
- Regulatory Comparison Excel ____

Print Clearly and Legibly. All information must be complete. Samples will NOT be logged in and the turnaround time clock will not begin until any questions by York are resolved.

Tim Young
Samples Collected/Authorized By (Signature)

Tim Young
Name (printed)

Air Matrix Codes
- AI - INDOOR Ambient Air
- AO- OUTDOOR Amb. Air
- AE- Vapor Extraction Well/ Process Gas/Effluent
- AS- SOIL Vapor/Sub-Slab

TO15 Volatiles and Other Gas Analyses
- EPA TO-15 List
- EPA TO-14A List
- NYSDEC VI list
- Tentatively Identified Compounds
- NYSDEC STARS List
- Air VPH
- **Project Specific List by TO-15**
- Helium
- NJDEP Target List
- Methane
- CTDEP RCP Target List
- OTHER ____

Detection Limits Required
- ≤ 1 ug/m³ ____
- NYSDEC VI Limits ____ (VI vapor intrusion)
- NJDEP low level ____
- Routine Survey ____
- Other ____

Special Instructions

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Choose Analyses Needed from the Menu Above and Enter Below	Sampling Media
SV-1	1/6/15	AS	-30"	-8" Hg	TO-15	6 Liter Summa canister ✓ / Tedlar Bag
SV-2	"	"	-35"	-6" Hg	"	6 Liter Summa canister ✓ / Tedlar Bag
SV-3	"	"	-30"	-8 Hg	"	6 Liter Summa canister ✓ / Tedlar Bag
SV-4	"	"	-35"	-8" Hg	"	6 Liter Summa canister ✓ / Tedlar Bag
SV-5	"	"	-30"	-8" Hg	"	6 Liter Summa canister ✓ / Tedlar Bag
						6 Liter Summa canister ___ / Tedlar Bag
						6 Liter Summa canister ___ / Tedlar Bag
						6 Liter Summa canister ___ / Tedlar Bag
						6 Liter Summa canister ___ / Tedlar Bag
						6 Liter Summa canister ___ / Tedlar Bag

mments

Tim Young — 1-7-15 3:40 pm
Samples Relinquished By — Date/Time

Samples Relinquished By — Date/Time

KBahr — 1-7-15 3:40 pm
Samples Received By — Date/Time

TC Yuhl — 1/7/15 1820
Samples Received in LAB by — Date/Time