2135 ADAM CLAYTON POWELL JR. BOULEVARD

MANHATTAN, NEW YORK

Remedial Action Work Plan

NYC VCP Number: 15CVCP051M

Prepared for:

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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
AS/SVE	Air Sparging/Soil Vapor Extraction
BOA	Brownfield Opportunity Area
CAMP	Community Air Monitoring Plan
C/D	Construction/Demolition
COC	Certificate of Completion
CQAP	Construction Quality Assurance Plan
CSOP	Contractors Site Operation Plan
DCR	Declaration of Covenants and Restrictions
ECs/ICs	Engineering and Institutional Controls
HASP	Health and Safety Plan
IRM	Interim Remedial Measure
BCA	Brownfield Cleanup Agreement
MNA	Monitored Natural Attenuation
NOC	Notice of Completion
NYC BCP	New York City Brownfield Cleanup Program
NYC DEP	New York City Department of Environmental Protection
NYC DOHMH	New York State Department of Health and Mental Hygiene
NYCRR	New York Codes Rules and Regulations
NYC OER	New York City Office of Environmental Remediation
NYS DEC	New York State Department of Environmental Conservation
NYS DEC DER	New York State Department of Environmental Conservation Division of Environmental Remediation
NYS DOH	New York State Department of Health
NYS DOT	New York State Department of Transportation
ORC	Oxygen-Release Compound
OSHA	United States Occupational Health and Safety Administration
PE	Professional Engineer

PID	Photo Ionization Detector
QEP	Qualified Environmental Professional
QHHEA	Qualitative Human Health Exposure Assessment
RAOs	Remedial Action Objectives
RAR	Remedial Action Report
RAWP	Remedial Action Work Plan or Plan
RCA	Recycled Concrete Aggregate
RD	Remedial Design
RI	Remedial Investigation
RMZ	Residual Management Zone
SCOs	Soil Cleanup Objectives
SCG	Standards, Criteria and Guidance
SMP	Site Management Plan
SPDES	State Pollutant Discharge Elimination System
SVOC	Semi-Volatile Organic Compound
USGS	United States Geological Survey
UST	Underground Storage Tank
VOC	Volatile Organic Compound

CERTIFICATION

I, Thomas Lembo, am a Professional Engineer licensed in the State of New York. I have primary direct responsibility for implementation of the remedial action for the 2135 Adam Clayton Powell Jr. Blvd., Harlem Site VCP Site Number 15CVCP051M.

I, Steven J. McGinn am a Qualified Environmental Professional as defined in §43-140. I have primary direct responsibility for implementation of the remedial action for the 2135 Adam Clayton Powell Jr. Blvd., Harlem Site VCP Site Number 15CVCP051M.

I certify that this Remedial Action Work Plan (RAWP) has a plan for handling, transport and disposal of soil, fill, fluids and other materials removed from the property in accordance with applicable City, State and Federal laws and regulations. Importation of all soil, fill and other material from off-Site will be in accordance with all applicable City, State and Federal laws and requirements. This RAWP has provisions to control nuisances during the remediation and all invasive work, including dust and odor suppression.

Thomas F. Lembo

Name

NYS PE License Number

Signature

Date

PE Stamp

Steven J. McGinn

QEP Name

QEP Signature

Date

EXECUTIVE SUMMARY

Alembic Development Company, LLC has applied to enroll in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 10,000-square foot site located at 2135 Adam Clayton Powell Jr. Blvd. in Harlem, New York. A remedial investigation (RI) was performed to compile and evaluate data and information necessary to develop this Remedial Action Work Plan (RAWP). The remedial action described in this document provides for the protection of public health and the environment consistent with the intended property use, complies with applicable environmental standards, criteria and guidance and conforms with applicable laws and regulations.

Site Location and Current Usage

The subject property is located at 2135 Adam Clayton Powell Jr. Boulevard (7th Avenue), Harlem, New York. The property is identified more specifically as City of New York Tax Number: Block 1911, Lot 61. The rectangular-shaped property is situated on the southeast corner of Adam Clayton Powell, Jr. Boulevard and West 127th Street. The subject property is currently vacant land. The 10,000± square foot (SF) property presently consists of a vacant, undeveloped lot covered with an asphalt and recycled concrete aggregate (RCA) surface, with a concrete slab present in the western portion of the subject property. The site is presently enclosed within a chain-link fence.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of a 10-story building with a height of approximately 110 feet and a street wall height of approximately 85 feet. The development will require excavation across the entire Site to a depth of approximately 12' below ground surface for the cellar level. The approximately 74,448 square foot mixed use building will comprise of approximately 16,000 square feet of community facility space for Harlem Dowling's West Side Center for Children and Family Services' administrative offices, program space and social services space. Of the 16,000 square feet, approximately 9,500 square feet will be located at grade level and the balance to be located below grade. Floors 2 - 10 will provide 60 affordable

residential units (approximately 56,295 square feet). Outdoor recreational space is located at the second floor level and will measure approximately 3,200 SF. No landscaped areas are planned at the Site.

Summary of Environmental Findings

1. Elevation of the property is approximately 28 feet above mean sea level.
2. Depth to groundwater ranges from 16 to 19 feet at the Site.
3. Groundwater flow is generally west to northwest beneath the Site.
4. The stratigraphy of the site, from the surface down, consists of eight to fourteen feet of fill underlain by native soil consisting of gravelly sands.
5. Ten soil/fill samples results were compared to NYSDEC Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Restricted Residential Soil Cleanup Objectives (RRSCOs) as presented in 6NYCRR Part 375-6.8 and CP51. Soil/fill samples collected during the RI showed no PCBs in any of the soil samples. One VOC, acetone (68.9 ug/kg), exceeded Unrestricted Use SCOs in one deep soil. Several SVOCs consisting of Polycyclic Aromatic Hydrocarbons (PAHs) including benzo (a)anthracene (max. of 2,960 ug/Kg), benzo(a)pyrene (max. of 3,460 ug/Kg), benzo(b)fluoranthene (max. of 4,820 ug/Kg), indeno(1,2,3-cd)pyrene (max. of 2,630 ug/Kg), and dibenzo(a,h)anthracene (max. of 615 ug/Kg) were found in four shallow samples exceeding Restricted Residential Use SCOs. In addition, benzo(k)flouranthene (max. of 1,570 ug/Kg) and chrysene (max. of 3,850 ug/Kg) also exceeded Unrestricted Use SCOs in three shallow samples. The pesticides 4,4'-DDE (max. of 42.2 ug/Kg), 4,4'-DDD (max of. 323 ug/Kg), 4,4'-DDT (max. of 188 ug/Kg), and chlordane (max. of 83.4) exceeded Unrestricted Use SCOs in both shallow and deep samples. Several metals including barium (max. of 1,120 mg/Kg), chromium (max. of 44.9 mg/Kg), copper (max of. 109 mg/kg), lead (max. of 2,090 ug/Kg), nickel (max. of 37.6 mg/kg), mercury (max. of 125 ug/Kg) and zinc (max. of 780 ug/Kg) were found exceeding Unrestricted Use SCOs. Of these metals, lead, barium and mercury also exceeded Restricted Residential SCOs. Supplemental investigations revealed

concentrations of lead were significantly elevated (maximum 23,000 ppm) in several of the sample locations and at various depths. TCLP analysis indicated hazardous concentrations of lead at various depths.

6. Two groundwater samples results were compared to New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS). Groundwater samples collected during the investigations showed no SVOCs, VOCs, PCBs, or pesticides in any sample. Several metals were identified exceeding their respective GQS in total groundwater samples, including barium (1.14 mg/L), chromium (max. of 0.22 mg/L), copper (max. of 0.43 mg/L), iron (max. of 41.4 mg/L), lead (max. of 0.275 mg/L), manganese (max. of 3.93 mg/L), and sodium (45.4 mg/L).
7. Soil vapor results 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 dated October 2006. Three soil vapor samples showed moderate levels of petroleum related VOCs in all soil vapor samples with total concentrations (BTEX) ranged from 242 $\mu g/m^3$ to 314 $\mu g/m^3$. Of the chlorinated VOCs, only tetrachloroethene (PCE) was detected in all soil vapor samples, ranging from 28 to 34 $\mu g/m^3$. Concentrations for PCE were above the monitoring level ranges established within the State DOH soil vapor guidance matrix.

Summary of the Remedy

The proposed remedial action achieves protection of public health and the environment for the intended use of the property. The proposed remedial action achieves all of the remedial action objectives established for the project and addresses applicable standards, criterion, and guidance; is effective in both the short-term and long-term and reduces mobility, toxicity and volume of contaminants; is cost effective and implementable; and uses standards methods that are well established in the industry.

The proposed remedial action will consist of:

1. Preparation of a Community Protection Statement and performance of all required NYC VCP Citizen Participation activities according to an approved Citizen Participation Plan.
2. Performance of a Community Air Monitoring Program for particulates and volatile organic carbon compounds.
3. Establishment of Track 2 Restricted Residential Soil Cleanup Objectives (SCOs).
4. Site mobilization involving Site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas.
5. Excavation and removal of soil/fill exceeding Track 2 Restricted Residential SCOs. For development purposes, the entire Site will be excavated to a depth of at least 10 to 12 feet for the building's new cellar level. Approximately 5,185 tons of soil will be excavated and removed from this Site.
6. Screening of excavated soil/fill during intrusive work for indications of contamination by visual means, odor, and monitoring with a PID. Appropriate segregation of excavated media on-Site.
7. Management of excavated materials including temporarily stockpiling and segregating in accordance with defined material types and to prevent co-mingling of contaminated material and non-contaminated materials.
8. Transportation and off-Site disposal of all soil/fill material at permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal, and this plan. Sampling and analysis of excavated media as required by disposal facilities.
9. Collection and analysis of nine end-point samples to determine the performance of the remedy with respect to attainment of SCOs.
10. Import of materials to be used for backfill and cover in compliance with this plan and in accordance with applicable laws and regulations.
11. Installation of a passive sub-slab depressurization system with ability to turn active if necessary.

12. Installation of a vapor barrier system beneath the building slab and outside foundation sidewalls below grade. The vapor barrier will consist of Grace Preprufe 300R/160R which is a 46-mil high density polyethylene (HDPE). The vapor barrier will be installed prior to pouring the building's concrete slab.

13. Construction and maintenance of an engineered composite cover consisting of the 6 inch thick concrete foundation slab to prevent human exposure to residual soil/fill remaining under the Site.

14. Performance of all activities required for the remedial action, including permitting requirements and pretreatment requirements, in compliance with applicable laws and regulations.

15. Implementation of storm-water pollution prevention measures in compliance with applicable laws and regulations.

16. Submission of a Remedial Action Report (RAR) that describes the remedial activities, certifies that the remedial requirements have been achieved, defines the Site boundaries, lists any changes from this RAWP, and describes all Engineering and Institutional Controls to be implemented at the Site.

17. Submission of an approved Site Management Plan (SMP) in the RAR for long-term management of residual contamination, including plans for operation, maintenance, monitoring, inspection and certification of Engineering and Institutional Controls and reporting at a specified frequency.

18. Recording of a Declaration of Covenants and Restrictions that includes a listing of Engineering Controls and Institutional Controls and a requirement that management of these controls must be in compliance with an approved SMP. Institutional Controls will include prohibition of the following: (1) vegetable gardening and farming; (2) use of groundwater without treatment rendering it safe for the intended use; (3) disturbance of residual contaminated material unless it is conducted in accordance with the SMP; and (4) higher level of land usage without OER-approval.

COMMUNITY PROTECTION STATEMENT

The Office of Environmental Remediation created the New York City Voluntary Cleanup Program (NYC VCP) to provide governmental oversight for the cleanup of contaminated property in NYC. This Remedial Action Work Plan ("cleanup plan") describes the findings of prior environmental studies that show the location of contamination at the site, and describes the plans to clean up the site to protect public health and the environment.

This cleanup plan provides a very high level of protection for neighboring communities and also includes many other elements that address common community concerns, such as community air monitoring, odor, dust and noise controls, hours of operation, good housekeeping and cleanliness, truck management and routing, and opportunities for community participation. The purpose of this Community Protection Statement is to explain these community protection measures in non-technical language to simplify community review.

Remedial Investigation and Cleanup Plan. Under the NYC VCP, a thorough cleanup study of this property (called a remedial investigation) has been performed to identify past property usage, to sample and test soils, groundwater and soil vapor, and identify contaminant sources present on the property. The cleanup plan has been designed to address all contaminant sources that have been identified during the study of this property.

Identification of Sensitive Land Uses. Prior to selecting a cleanup, the neighborhood was evaluated to identify sensitive land uses nearby, such as schools, day care facilities, hospitals and residential areas. The cleanup program was then tailored to address the special conditions of this community.

Qualitative Human Health Exposure Assessment. An important part of the cleanup planning for the Site is the performance of a study to find all of the ways that people might come in contact with contaminants at the Site now or in the future. This study is called a Qualitative Human Health Exposure Assessment (QHHEA). A QHHEA was performed for this project. This assessment has considered all known contamination at the Site and evaluated the potential for people to come in contact with this contamination. All identified public exposures will be addressed under this cleanup plan.

Construction Health and Safety Plan. This cleanup plan includes a Construction Health and Safety Plan (CHASP) that is designed to protect community residents and on-Site workers. The elements of this plan are in compliance with safety requirements of the United States Occupational Safety and Health Administration (OSHA). This plan includes many protective elements including those discussed below.

Site Safety Coordinator. This project has a designated Site safety coordinator to implement the CHASP. The safety coordinator maintains an emergency contact sheet and protocol for management of emergencies. The Site safety coordinator is Steven J. McGinn and can be reached at 631-427-5665.

Worker Training. Workers participating in cleanup of contaminated material on this project are required to be trained in a 40-hour hazardous waste operators training course and to take annual refresher training. This pertains to workers performing specific tasks including removing contaminated material and installing cleanup systems in contaminated areas.

Community Air Monitoring Plan. Community air monitoring will be performed during this cleanup project to ensure that the community is properly protected from contaminants, dust and odors. Air samples will be tested in accordance with a detailed plan called the Community Air Monitoring Plan (CAMP). Results will be regularly reported to the NYC OER. This cleanup plan also has a plan to address any unforeseen problems that might occur during the cleanup (called a 'Contingency Plan').

Odor, Dust and Noise Control. This cleanup plan includes actions for odor and dust control. These actions are designed to prevent off-Site odor and dust nuisances and includes steps to be taken if nuisances are detected. Generally, dust is managed by application of physical covers and by water sprays. Odors are controlled by limiting the area of open excavations, physical covers, spray foams and by a series of other actions (called operational measures). The project is also required to comply with NYC noise control standards. If you observe problems in these areas, please contact the on-site Project Manager Boris Medovoy of Mega Contractingby email (bmedovoy@megacontractinginc.com) or telephone at (347) 231-0461 or NYC Office of Environmental Remediation Project Manager Sarah Pong at 212-442-8342 or spong@dep.nyc.gov.

Quality Assurance. This cleanup plan requires that evidence be provided to illustrate that all cleanup work required under the plan has been completed properly. This evidence will be summarized in the final report, called the Remedial Action Report. This report will be submitted to the NYC Office of Environmental Remediation and will be thoroughly reviewed.

Storm-Water Management. To limit the potential for soil erosion and discharge, this cleanup plan has provisions for storm-water management. The main elements of the storm water management include physical barriers such as tarp covers and erosion fencing, and a program for frequent inspection.

Hours of Operation. The hours for operation of cleanup will comply with the NYC Department of Buildings construction code requirements or according to specific variances issued by that agency. For this cleanup project, the hours of operation are 7 am to 6 pm Monday through Friday.

Signage. While the cleanup is in progress, a placard will be prominently posted at the main entrance of the property with a laminated project Fact Sheet that states that the project is in the NYC Voluntary Cleanup Program, provides project contact names and numbers, and locations of project documents can be viewed.

Complaint Management. The contractor performing this cleanup is required to address all complaints. If you have any complaints, you can call the facility Project Manager Boris Medovoy at (347) 231-0461, the NYC Office of Environmental Remediation Project Manager Sarah Pong at (212) 442-8342, or call 311 and mention the Site is in the NYC Voluntary Cleanup Program.

Utility Mark-outs. To promote safety during excavation in this cleanup, the contractor is required to first identify all utilities and must perform all excavation and construction work in compliance with NYC Department of Buildings regulations.

Soil and Liquid Disposal. All soil and liquid material removed from the Site as part of the cleanup will be transported and disposed of in accordance with all applicable City, State and Federal regulations and required permits will be obtained.

Soil Chemical Testing and Screening. All excavations will be supervised by a trained and properly qualified environmental professional. In addition to extensive sampling and chemical testing of soils on the Site, excavated soil will be screened continuously using hand-held instruments, by sight, and by smell to ensure proper material handling and management, and community protection.

Stockpile Management. Soil stockpiles will be kept covered with tarps to prevent dust, odors and erosion. Stockpiles will be frequently inspected. Damaged tarp covers will be promptly replaced. Stockpiles will be protected with silt fences. Hay bales will be used, as needed to protect storm water catch basins and other discharge points.

Trucks and Covers. Loaded trucks leaving the Site will be covered in compliance with applicable laws and regulations to prevent dust and odor. Trucks will be properly recorded in logs and records and placarded in compliance with applicable City, State and Federal laws, including those of the New York State Department of Transportation. If loads contain wet material that can leak, truck liners will be used. All transport of materials will be performed by licensed truckers and in compliance with all laws and regulations.

Imported Material. All fill materials proposed to be brought onto the Site will comply with rules outlined in this cleanup plan and will be inspected and approved by a qualified worker located on-Site. Waste materials will not be brought onto the Site. Trucks entering the Site with imported clean materials will be covered in compliance with applicable laws and regulations.

Equipment Decontamination. All equipment used for cleanup work will be inspected and washed, if needed, before it leaves the Site. Trucks will be cleaned at a truck inspection station on the property before leaving the Site.

Housekeeping. Locations where trucks enter or leave the Site will be inspected every day and cleaned regularly to ensure that they are free of dirt and other materials from the Site.

Truck Routing. Truck routes have been selected to: (a) limit transport through residential areas and past sensitive nearby properties; (b) maximize use of city-mapped truck routes; (c) limit total distance to major highways; (d) promote safety in entry to highways; (e) promote overall safety in trucking; and (f) minimize off-Site line-ups (queuing) of trucks entering the

property. Operators of loaded trucks leaving the Site will be instructed not to stop or idle in the local neighborhood.

Final Report. The results of all cleanup work will be fully documented in a final report (called a Remedial Action Report) that will be available for you to review in the public document repositories located at

New York Public Library
Harlem Branch
9 West 124th Street
New York, NY 10027
212-348-5620

Long-Term Site Management. If long-term protection is required after the cleanup is complete, the property owner will be required to comply with an ongoing Site Management Plan that calls for continued inspection of protective controls, such as Site covers. The Site Management Plan is evaluated and approved by the NYC Office of Environmental Remediation. Requirements that the property owner must comply with are defined in the property's deed. A certification of continued protectiveness of the cleanup will be required from time to time to show that the approved cleanup is still effective.

REMEDIAL ACTION WORK PLAN

1.0 SITE BACKGROUND

Alembic Development Company, LLC has applied to enroll in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a property located at 2135 Adam Clayton Powell Jr. Blvd. in the Harlem section of Manhattan, New York (the "Site"). A Remedial Investigation (RI) was performed to compile and evaluate data and information necessary to develop this Remedial Action Work Plan (RAWP) in a manner that will render the Site protective of public health and the environment consistent with the contemplated end use. This RAWP establishes remedial action objectives, provides a remedial alternatives analysis that includes consideration of a permanent cleanup, and provides a description of the selected remedial action. The remedial action described in this document provides for the protection of public health and the environment, complies with applicable environmental standards, criteria and guidance and applicable laws and regulations.

1.1 SITE LOCATION AND CURRENT USAGE

The subject property is located at 2135 Adam Clayton Powell Jr. Boulevard (7th Avenue), Harlem, New York. The property is identified more specifically as City of New York Tax Number: Block 1911, Lot 61. The rectangular-shaped property is situated on the southeast corner of Adam Clayton Powell, Jr. Boulevard and West 127th Street. The subject property is currently vacant land. The 10,000± square foot (SF) property presently consists of a vacant, undeveloped lot covered with an asphalt and recycled concrete aggregate (RCA) surface, with a concrete slab present in the western portion of the subject property. The Site is presently enclosed within a chain-link fence. Figures 1 & 2 provide a location map and aerial of the subject property.

1.2 PROPOSED REDEVELOPMENT PLAN

The proposed future use of the Site will consist of a 10-story building with a height of approximately 110 feet and a street wall height of approximately 85 feet. The development will require excavation across the entire Site to a depth of approximately 12' below ground surface

for the cellar level. The approximately 74,448 square foot mixed use building will comprise of approximately 16,000 square feet of community facility space forHarlem Dowling's West Side Center for Children and Family Services' administrative offices, program space and social services space. Of the 16,000 square feet, approximately 9,500 square feet will be located at grade level and the balance to be located below grade. Floors 2 - 10 will provide 60 affordable residential units (approximately 56,295 square feet). Outdoor recreational space is located at the second floor level and will measure approximately 3,200 SF. No landscaped areas are planned at the Site.

The remedial action contemplated under this RAWP may be implemented independently of the proposed redevelopment plan.

1.3 DESCRIPTION OF SURROUNDING PROPERTY

The subject property is bordered on the west by Adam Clayton Powell Jr. Boulevard (7th Avenue) beyond which are apartment buildings with retail uses on the first floor. To the north, the property is bordered by West 127th Street beyond which are apartment buildings with retail uses on the first floor and a charter school. The James Wells District Grand Lodge, Citicare, Inc. Family Health Canter, White Rock Baptist Church and brownstone residential buildings are located to the east of the subject property. A vacant lot that was formerly a retail strip center, Brownstone residential buildings, West 126th Street and Adam Clayton Powell Jr. State Office Building are to the south of the Site. There are three day cares, one public school, and one health care center within a 500-foot radius of the Site.

Figure 3 shows the surrounding land usage.

1.4 REMEDIAL INVESTIGATION

A remedial investigation was performed and the results are documented in a companion document called "*Limited Phase II Environmental Site Assessment", 2135 Adam Clayton Powell Jr. Blvd.*", dated June 2014 (RIR).

Summary of Past Uses of Site and Areas of Concern

Nelson, Pope & Voorhis, LLC conducted a Phase I Environmental Site Assessment (ESA) of the property at 2135 Adam Clayton Powell Jr. Boulevard in April 2014. According to the records reviewed at the time, a portion of the subject property had been used a dry cleaning facility from 1956 to 1963. Several RCRA hazardous waste generators were also found to be in close proximity of the Site. Based on the findings of the Phase I ESA, the following two (2) recognized environmental conditions were identified in connection with the subject property:

1. Due to the presence of the sink holes on the subject property, prior to any redevelopment these areas should be investigated to determine if any structural remnants or debris are present. If so, they should be investigated and properly addressed.

2. Soil vapor sampling should be conducted on the subject property in order to ensure that the past occupancy of a cleaners has not negatively impacted the subsurface resources of the subject property.

Summary of the Work Performed under the Remedial Investigation

Nelson, Pope & Voorhis, LLC performed the following scope of work in May of 2014:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed five soil borings across the entire project Site, and collected ten soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed two temporary groundwater monitoring wells throughout the Site to establish groundwater flow and collected two groundwater samples;
4. Installed three soil vapor probes and collected three samples and one outdoor ambient air sample for chemical analysis.

Summary of Environmental Findings

1. Elevation of the property is approximately 28 feet above mean sea level.
2. Depth to groundwater ranges from 16 to 19 feet at the Site.

3. Groundwater flow is generally west to northwest beneath the Site.

4. The stratigraphy of the site, from the surface down, consists of eight to fourteen feet of fill underlain by native soil consisting of gravelly sands.

5. Ten soil/fill samples results were compared to NYSDEC Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Restricted Residential Soil Cleanup Objectives (RRSCOs) as presented in 6NYCRR Part 375-6.8 and CP51. Soil/fill samples collected during the RI showed no PCBs in any of the soil samples. One VOC, acetone (68.9 ug/kg), exceeded Unrestricted Use SCOs in one deep soil. Several SVOCs consisting of Polycyclic Aromatic Hydrocarbons (PAHs) including benzo (a)anthracene (max. of 2,960 ug/Kg), benzo(a)pyrene (max. of 3,460 ug/Kg), benzo(b)fluoranthene (max. of 4,820 ug/Kg), indeno(1,2,3-cd)pyrene (max. of 2,630 ug/Kg), and dibenzo(a,h)anthracene (max. of 615 ug/Kg) were found in four shallow samples exceeding Restricted Residential Use SCOs. In addition, benzo(k)flouranthene (max. of 1,570 ug/Kg) and chrysene (max. of 3,850 ug/Kg) also exceeded Unrestricted Use SCOs in three shallow samples. The pesticides 4,4'-DDE (max. of 42.2 ug/Kg), 4,4'-DDD (max of. 323 ug/Kg), 4,4'-DDT (max. of 188 ug/Kg), and chlordane (max. of 83.4) exceeded Unrestricted Use SCOs in both shallow and deep samples. Several metals including barium (max. of 1,120 mg/Kg), chromium (max. of 44.9 mg/Kg), copper (max of. 109 mg/kg), lead (max. of 2,090 ug/Kg), nickel (max. of 37.6 mg/kg), mercury (max. of 125 ug/Kg) and zinc (max. of 780 ug/Kg) were found exceeding Unrestricted Use SCOs. Of these metals, lead, barium and mercury also exceeded Restricted Residential SCOs. Supplemental investigations revealed concentrations of lead were significantly elevated (maximum 23,000 ppm) in several of the sample locations and at various depths. TCLP analysis indicated hazardous concentrations of lead at various depths.

6. Two groundwater samples results were compared to New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS). Groundwater samples collected during the investigations showed no SVOCs, VOCs, PCBs, or pesticides in any sample. Several metals were identified exceeding their respective GQS in total groundwater samples, including barium (1.14 mg/L), chromium (max. of 0.22 mg/L), copper (max. of

0.43 mg/L), iron (max. of 41.4 mg/L), lead (max. of 0.275 mg/L), manganese (max. of 3.93 mg/L), and sodium (45.4 mg/L).

7. Soil vapor results 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 dated October 2006. Three soil vapor samples showed moderate levels of petroleum related VOCs in all soil vapor samples with total concentrations (BTEX) ranged from 242 $\mu g/m^3$ to 314 $\mu g/m^3$. Of the chlorinated VOCs, only tetrachloroethene (PCE) was detected in all soil vapor samples, ranging from 28 to 34 $\mu g/m^3$. Concentrations for PCE were above the monitoring level ranges established within the State DOH soil vapor guidance matrix.

For more detailed results, consult the Phase II report found in Appendix 5. Based on an evaluation of the data and information from the RIR and this RAWP, disposal of significant amounts of hazardous waste is suspected at this site.

2.0 REMEDIAL ACTION OBJECTIVES

Based on the results of the RI, the following Remedial Action Objectives (RAOs) have been identified for this Site:

Groundwater

- Prevent direct exposure to contaminated groundwater.

Soil

- Prevent direct contact with contaminated soil.
- Prevent exposure to contaminants volatilizing from contaminated soil.
- Prevent migration of contaminants that would result in groundwater or surface water contamination.

Soil Vapor

- Prevent exposure to contaminants in soil vapor.
- Prevent migration of soil vapor into dwelling and other occupied structures.

3.0 REMEDIAL ALTERNATIVES ANALYSIS

The goal of the remedy selection process below is to select a remedy that is protective of human health and the environment taking into consideration the current, intended and reasonably anticipated future use of the property. The remedy selection process begins by establishing RAOs for media in which chemical constituents were found in exceedance of applicable standards, criteria and guidance values (SCGs). A remedy is then developed based on the following ten criteria:

- Protection of human health and the environment;
- Compliance with SCGs;
- Short-term effectiveness and impacts;
- Long-term effectiveness and permanence;
- Reduction of toxicity, mobility, or volume of contaminated material;
- Implementability;
- Cost effectiveness;
- Community Acceptance;
- Land use; and0
- Sustainability.

The following is a detailed description of the alternative analysis and remedy selection to address impacted media at the Site. As required, a minimum of two remedial alternatives (including a Track 1 Unrestricted Use scenario) are evaluated, as follows:

Alternative 1 involves:

- Selection of NYSDEC 6NYCRR Part 375 Unrestricted Use (Track 1) Soil Cleanup Objectives (SCOs);
- Removal of all soil/fill exceeding Track 1 Unrestricted Use SCOs throughout the Site and confirmation that Track 1 Unrestricted Use SCOs have been achieved with post-excavation endpoint sampling. Based on the results of the Remedial Investigation, it is

expected that this alternative would require excavation across the entire Site to a depth of at least twelve feet. If soil/fill containing analytes at concentrations above Unrestricted Use SCOs is still present at the base of the excavation after removal of all soil required for construction of the new building's cellar level is complete, additional excavation will be performed to ensure complete removal of soil that does not meet Track 1 Unrestricted Use SCOs;

- No Engineering or Institutional Controls are required for a Track 1 Unrestricted Use cleanup, but a vapor barrier and sub-slab depressurization system (SSDS) would be installed beneath the basement foundation and behind foundation sidewalls of the new building as a part of development to prevent any potential future exposures from off-Site soil vapor; and
- Placement of a final cover consisting of the building slab over the entire Site as part of new development.

Alternative 2 involves:

- Selection of NYSDEC 6NYCRR Part 375 Restricted Residential (Track 2) SCOs;
- Removal of all soil/fill exceeding Track 2 Restricted Residential SCOs and confirmation that Track 2 Restricted Residential SCOs have been achieved with post-excavation endpoint sampling. Excavation for construction of the new building's cellar level will require excavation to a depth of at least 10 to 12 feet below current grade. If soil/fill containing analytes at concentrations above Track 2 Restricted Residential SCOs is still present at the base of the excavation after removal of all soil required for construction of the new building's cellar is complete, additional excavation will be performed to ensure complete removal of soil that does not meet Track 2 Restricted Residential SCOs;
- Placement of a final cover over the entire Site to prevent exposure to remaining soil/fill;
- Installation of a soil vapor barrier system beneath the building's cellar slab, and along foundation sidewalls to prevent any potential future exposures from off-Site soil vapor;
- Installation of a passive Sub-Slab Depressurization system (SSDS) below the cellar's concrete slab;
- Establishment of use restrictions including prohibitions on the use of groundwater from the Site; prohibitions of sensitive Site uses, such as farming or vegetable gardening, to

prevent future exposure pathways; and prohibition of a higher level of land use without OER approval;

- Establishment of an approved Site Management Plan (SMP) to ensure long-term management of these Engineering and Institutional Controls including the performance of periodic inspections and certification that the controls are performing as they were intended; The SMP will note that the property owner and the property owner's successors and assigns must comply with the approved SMP; and
- Establishment of a deed restriction to ensure long term management of residual materials on the property

3.1 THRESHOLD CRITERIA

Protection of Public Health and the Environment

This criterion is an evaluation of the remedy's ability to protect public health and the environment, and an assessment of how risks posed through each existing or potential pathway of exposure are eliminated, reduced or controlled through removal, treatment, and implementation of Engineering Controls or Institutional Controls. Protection of public health and the environment must be achieved for all approved remedial actions.

Alternative 1 would be protective of human health and the environment by removing the historic fill exceeding Track 1 Unrestricted Use SCOs and groundwater protection standards, thus eliminating potential for direct contact with contaminated soil/ fill once construction is complete and eliminating the risk of contamination leaching into groundwater.

Alternative 2 would achieve comparable protections of human health and the environment by excavating the historic fill at the Site and by ensuring that remaining soil/fill on-Site meets Track 2 Restricted Residential SCOs, as well as by placement of Institutional and Engineering controls including a composite cover system. The composite cover system would prevent direct contact with any remaining on-Site soil/fill. A vapor barrier and SSDS would mitigate any vapor issues. Implementing Institutional Controls including a Site Management Plan and deed restriction would ensure that the composite cover system remains intact and protective. Establishment of

Track 2 Restricted Residential SCOs would minimize the risk of contamination leaching into groundwater.

For both Alternatives, potential exposure to contaminated soils or groundwater during construction would be minimized by implementing a Construction Health and Safety Plan, an approved Soils/Materials Management Plan and Community Air Monitoring Plan (CAMP). Since groundwater is not anticipated during construction and remediation, dewatering activities will not be required during the Site development. As such, there is minimal risk of contact with groundwater. In future, potential contact with contaminated groundwater would be prevented as its use is prohibited by city laws and regulations. Potential future migration of off-Site soil vapors into the new building would be prevented by installing a vapor barrier below the new building's basement slab and a passive SSDS.

3.2. BALANCING CRITERIA

Compliance with Standards, Criteria and Guidance (SCGs)

This evaluation criterion assesses the ability of the alternative to achieve applicable standards, criteria and guidance.

Alternative 1 would achieve compliance with remedial goals, chemical-specific SCGs and RAOs for soil through removal of soil to achieve Track 1 Unrestricted Use SCOs and Protection of Groundwater SCOs. Compliance for SCGs for soil vapor would also be achieved by installing a passive SSDS and a vapor barrier/waterproofing system below the new building's basement slab and continuing the vapor barrier around foundation walls, as part of development.

Alternative 2 would achieve compliance with the remedial goals, chemical-specific SCGs and RAOs for soil through removal of soil to meet Track 2 Restricted Residential SCOs. Compliance with SCGs for soil vapor would also be achieved by installing a SSDS and a vapor barrier/waterproofing system below the new building's basement slab and continuing the vapor barrier around foundation walls. A Site Management Plan would ensure that these controls remained protective for the long term.

Health and safety measures contained in the CHASP and Community Air Monitoring Plan (CAMP) that comply with the applicable SCGs shall be implemented during Site redevelopment under this RAWP. For both Alternatives, focused attention on means and methods employed during the remedial action would ensure that handling and management of contaminated material would be in compliance with applicable SCGs. These measures will protect on-site workers and the surrounding community from exposure to Site-related contaminants.

Short-term effectiveness and impacts

This evaluation criterion assesses the effects of the alternative during the construction and implementation phase until remedial action objectives are met. Under this criterion, alternatives are evaluated with respect to their effects on public health and the environment during implementation of the remedial action, including protection of the community, environmental impacts, time until remedial response objectives are achieved, and protection of workers during remedial actions.

Both Alternative 1 and Alternative 2 have similar short-term effectiveness during their implementations, as each requires excavation of historic fill material. Both alternatives would result in short term dust generation impacts associated with excavation, handling, load out of materials, and truck traffic. Short-term impacts could potentially be higher for Alternative 1 if excavation of greater amounts of historic fill material is encountered below the excavation depth of the proposed building. However, focused attention to means and methods during the remedial action during a Track 1 removal action, including community air monitoring and appropriate truck routing, would minimize or negate the overall impact of these activities.

Additional short-term adverse impact and risks to the community associated with both remedial alternatives is increased truck traffic. Truck traffic will be routed on the most direct course using major thoroughfares where possible and flaggers will be used to protect pedestrians at Site entrances and exits.

The effects of these potential adverse impacts to the community, workers, and the environment would be minimized through implementation of corresponding control plans including a Construction Health and Safety Plan, a Community Air Monitoring Plan (CAMP) and a Soil/Materials Management Plan (SMMP), during all on-Site soil disturbance activities and

would minimize the release of contaminants into the environment. Both alternatives provide short-term effectiveness in protecting the surrounding community by decreasing the risk of contact with on-Site contaminants. Construction workers operating under appropriate management procedures and a Construction Health and Safety Plan (CHASP) would be protected from on-Site contaminants (personal protective equipment would be worn consistent with the documented risks within the respective work zones).

Long-term effectiveness and permanence

This evaluation criterion addresses the results of a remedial action in terms of its permanence and quantity/nature of waste or residual contamination remaining at the Site after response objectives have been met, such as permanence of the remedial alternative, magnitude of remaining contamination, adequacy of controls including the adequacy and suitability of Engineering Controls/Institutional Controls (ECs/ICs) that may be used to manage contaminant residuals that remain at the Site and assessment of containment systems and ICs that are designed to eliminate exposures to contaminants, and long-term reliability of Engineering Controls.

Alternative 1 would achieve long-term effectiveness and permanence related to on-Site contamination by permanently removing all impacted soil/fill above Track 1 Unrestricted Use SCOs. Removal of on-Site contaminant sources will prevent future groundwater contamination.

Alternative 2 would provide long-term effectiveness by removing most on-Site contamination and attaining Track 2 Restricted Residential SCOs; a composite cover system across the Site, maintaining use restrictions, establishing an SMP to ensure long-term management of ICs, ECs, and implementing deed restriction to memorialize these controls for the long term. The SMP would ensure long-term effectiveness of all ECs and ICs by requiring periodic inspection and certification that these controls and restrictions continue to be in place and are functioning as they were intended assuring that protections designed into the remedy will provide continued high level of protection in perpetuity.

Both alternatives would result in removal of soil contamination exceeding their respective SCOs, providing the highest level, most effective and permanent remedy over the long-term with respect to a remedy for contaminated soil, which will eliminate any migration to groundwater.

Potential sources of soil vapor and groundwater contamination will also be eliminated as part of the remedy.

Reduction of toxicity, mobility, or volume of contaminated material

This evaluation criterion assesses the remedial alternative's use of remedial technologies that permanently and significantly reduce toxicity, mobility, or volume of contaminants as their principal element. The following is the hierarchy of source removal and control measures that are to be used to remediate a Site, ranked from most preferable to least preferable: removal and/or treatment, containment, elimination of exposure and treatment of source at the point of exposure. It is preferred to use treatment or removal to eliminate contaminants at a Site, reduce the total mass of toxic contaminants, cause irreversible reduction in contaminants mobility, or reduce of total volume of contaminated media.

Alternative 1 would permanently eliminate toxicity, mobility, and volume of contaminants from on-Site soil by excavating and removing all soils that exceed Track 1 Unrestricted Use SCOs.

Alternative 2 would remove most of the historic fill at the Site thus would permanently eliminate the toxicity, mobility, and volume of contaminants, and any remaining on-Site soil beneath the new building would meet Track 2 Restricted Residential SCOs. The site will be capped via the proposed construction of a ten-story building which will cover the entire site footprint with a concrete slab. Permanent institutional controls including a site management plan and deed restriction will be established to protect future site workers and/or residents should the need to break the site cap be necessary.

Alternative 1 would eliminate a greater total mass of contaminants on Site. The removal of soil to 10 to 12 feet for the new development in both scenarios would probably result in relatively minor differences between these two alternatives.

Implementability

This evaluation criterion addresses the technical and administrative feasibility of implementing an alternative and the availability of various services and materials required during its implementation, including technical feasibility of construction and operation, reliability of the

selected technology, ease of undertaking remedial action, monitoring considerations, administrative feasibility (e.g. obtaining permits for remedial activities), and availability of services and materials.

The techniques, materials and equipment to implement both remedial Alternatives 1 and 2 are readily available and have been proven effective in remediating the contaminants associated with the Site. They use standard materials and services that are well established technology. The reliability of each remedy is also high. There are no special difficulties associated with any of the activities proposed.

Cost effectiveness

This evaluation criterion addresses the cost of alternatives, including capital costs (such as construction costs, equipment costs, and disposal costs, engineering expenses) and site management costs (costs incurred after remedial construction is complete) necessary to ensure the continued effectiveness of a remedial action.

Since historic fill at the Site was found during the RI to only extend to a depth of up to 8 to 14 feet below grade, and the new building requires excavation of the entire Site to a depth of 10 to 12 ft, the costs associated with both Alternative 1 and Alternative 2 will likely be the comparable. Costs associated with Alternative 1 could potentially be higher than Alternative 2 if soil with analytes above Track 1 Unrestricted Use SCOs is encountered below the excavation depth required for development. Additional costs would include installation of additional shoring/underpinning, disposal of additional soil, and import of clean soil for backfill. However, long-term costs for Alternative 2 are likely higher than Alternative 1 based on implementation of a Site Management Plan as part of Alternative 2.

The remedial plan creates an approach that combines the remedial action with the redevelopment of the Site, including the construction of the building foundation and subgrade structures. The remedial plan is also cost effective in that it will take into consideration the selection of the closest and most appropriate disposal facilities to reduce transportation and disposal costs during the excavation of historic fill and other soils during the redevelopment of the Site.

Track 1 would incur additional costs due the removal and disposal of additional soil. Due the removal of additional soil, imported soil would be required to return the site to the necessary elevation to construct the proposed building. Part of importing soil as backfill is the requirement of proper compaction to ensure the proposed building would not settle causing possible structural failure. This compaction requirement would incur a significant cost of machines, labor and engineering which could potentially cause the project to be cancelled.

Community Acceptance

This evaluation criterion addresses community opinion and support for the remedial action. Observations here will be supplemented by public comment received on the RAWP.

The proposed project is to turn unused, vacant parcel of land which is a magnet for disposal of garbage and an eyesore for the neighborhood into a beautiful new building that would provide a necessary service to the community. Based on the overall goals of the remedial program and initial permitting associated with the proposed site development, no adverse community opinion is anticipated for either alternative. This RAWP will be subject to a public review under the NYC VCP and will provide the opportunity for detailed public input on the remedial alternatives and the selected remedy. This public comment will be considered by OER prior to approval of this plan. The Citizen Participation Plan for the project is provided in Appendix 1. Observations here will be supplemented by public comment received on the RAWP.

Land use

This evaluation criterion addresses the proposed use of the property. This evaluation has considered reasonably anticipated future uses of the Site and takes into account: current use and historical and/or recent development patterns; applicable zoning laws and maps; NYS Department of State's Brownfield Opportunity Areas (BOA) pursuant to section 970-r of the general municipal law; applicable land use plans; proximity to real property currently used for residential use, and to commercial, industrial, agricultural, and/or recreational areas; environmental justice impacts, Federal or State land use designations; population growth patterns and projections; accessibility to existing infrastructure; proximity of the site to important cultural resources and natural resources, potential vulnerability of groundwater to contamination that

might emanate from the site, proximity to flood plains, geography and geology; and current Institutional Controls applicable to the site.

The proposed redevelopment of the Site is compatible with its current zoning and is consistent with recent development patterns. The areas surrounding the site are urban and consist of predominantly mixed residential and commercial buildings in zoning districts designated for commercial and residential uses. Following remediation, the Site will meet either Track 1 Unrestricted Use or Track 2 Restricted Residential SCOs, both of which are appropriate for its planned residential and commercial use. Improvements in the current environmental condition of the property achieved by both alternatives are also consistent with the City's goals for cleanup of contaminated land and bringing such properties into productive reuse. Both alternatives are equally protective of natural resources and cultural resources.

Sustainability of the Remedial Action

This criterion evaluates the overall sustainability of the remedial action alternatives and the degree to which sustainable means are employed to implement the remedial action including those that take into consideration NYC's sustainability goals defined in *PlaNYC: A Greener, Greater New York*. Sustainability goals may include: maximizing the recycling and reuse of non-virgin materials; reducing the consumption of virgin and non-renewable resources; minimizing energy consumption and greenhouse gas emissions; improving energy efficiency; and promotion of the use of native vegetation and enhancing biodiversity during landscaping associated with Site development.

While Alternative 2 would potentially result in lower energy usage based on reducing the volume of material transported off-Site, both remedial alternatives are comparable with respect to the opportunity to achieve sustainable remedial action. The remedial plan would take into consideration the shortest trucking routes during off-Site disposal of historic fill and other soils, which would reduce greenhouse gas emissions and conserve energy used to fuel trucks. The New York City Clean Soil Bank program may be utilized for reuse of native soils. To the extent practicable, energy efficient building materials, appliances, and equipment will be utilized to complete the development. A complete list of green remedial activities considered as part of the NYC VCP is included in the Sustainability Statement, included as Appendix 2.

4.0 REMEDIAL ACTION

4.1 SUMMARY OF PREFERRED REMEDIAL ACTION

The preferred remedial action alternative is the Track 2 Alternative. The preferred remedial action alternative achieves protection of public health and the environment for the intended use of the property. The preferred remedial action alternative will achieve all of the remedial action objectives established for the project and addresses applicable SCGs. The preferred remedial action alternative is effective in both the short-term and long-term and reduces mobility, toxicity and volume of contaminants. The preferred remedial action alternative is cost effective and implementable and uses standards methods that are well established in the industry.

The proposed remedial action will consist of:

1. Preparation of a Community Protection Statement and performance of all required NYC VCP Citizen Participation activities according to an approved Citizen Participation Plan.
2. Performance of a Community Air Monitoring Program for particulates and volatile organic carbon compounds.
3. Selection of Track 2 Restricted Residential Soil Cleanup Objectives (SCOs).
4. Site mobilization involving Site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas.
5.
6. Excavation and removal of soil/fill exceeding Track 2 Restricted Residential SCOs. For development purposes, the entire Site will be excavated to a depth of at least 10 to 12 feet for the building's new cellar level. Approximately 5,185 tons of soil will be excavated and removed from this Site.
7. Screening of excavated soil/fill during intrusive work for indications of contamination by visual means, odor, and monitoring with a PID. Appropriate segregation of excavated media on-Site.

8. Management of excavated materials including temporarily stockpiling and segregating in accordance with defined material types and to prevent co-mingling of contaminated material and non-contaminated materials.

9. Transportation and off-Site disposal of all soil/fill material at permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal, and this plan. Sampling and analysis of excavated media as required by disposal facilities.

10. Collection and analysis of nine end-point samples to determine the performance of the remedy with respect to attainment of SCOs.

11. Import of materials to be used for backfill and cover in compliance with this plan and in accordance with applicable laws and regulations.

12. Installation of a passive sub-slab depressurization system with ability to turn active if necessary.

13. Installation of a vapor barrier system beneath the building slab and outside foundation sidewalls below grade. The vapor barrier will consist of Grace Preprufe 300R/160R which is a 46-mil high density polyethylene (HDPE). The vapor barrier will be installed prior to pouring the building's concrete slab.

14. Construction and maintenance of an engineered composite cover consisting of the 6 inch thick concrete foundation slab to prevent human exposure to residual soil/fill remaining under the Site.

15. Performance of all activities required for the remedial action, including permitting requirements and pretreatment requirements, in compliance with applicable laws and regulations.

16. Implementation of storm-water pollution prevention measures in compliance with applicable laws and regulations.

17. Submission of a Remedial Action Report (RAR) that describes the remedial activities, certifies that the remedial requirements have been achieved, defines the Site boundaries,

lists any changes from this RAWP, and describes all Engineering and Institutional Controls to be implemented at the Site.

18. Submission of an approved Site Management Plan (SMP) in the RAR for long-term management of residual contamination, including plans for operation, maintenance, monitoring, inspection and certification of Engineering and Institutional Controls and reporting at a specified frequency.

19. Recording of a Declaration of Covenants and Restrictions that includes a listing of Engineering Controls and Institutional Controls and a requirement that management of these controls must be in compliance with an approved SMP. Institutional Controls will include prohibition of the following: (1) vegetable gardening and farming; (2) use of groundwater without treatment rendering it safe for the intended use; (3) disturbance of residual contaminated material unless it is conducted in accordance with the SMP; and (4) higher level of land usage without OER-approval.

4.2 SOIL CLEANUP OBJECTIVES AND SOIL/FILL MANAGEMENT

Track 2 Soil Cleanup Objectives (SCOs) are proposed for this project. The SCOs for this Site are listed in the 6NYCRR Part 375, Table 6.8(b) Restricted Residential Use SCOs. If Track 2 Restricted Residential Use SCOs are not achieved, the following Site Specific (Track 4) SCOs will be used:

Contaminant	**Track 4 SCOs**
Total SVOCs	1000 ppm
Lead	1000 ppm
Mercury	2.0 ppm

Soil and materials management on-Site and off-Site, including excavation, handling and disposal, will be conducted in accordance with the Soil/Materials Management Plan in Appendix 3. The location of planned excavations is shown in Figure 8.

Discrete contaminant sources (such as hotspots) identified during the remedial action will be identified by GPS or surveyed. This information will be provided in the Remedial Action Report.

Estimated Soil/Fill Removal Quantities

The total quantity of soil/fill expected to be excavated and disposed off-Site is 5,185 tons.

The proposed disposal locations for Site-derived impacted materials are listed below. Additional disposal locations established at a later date will be reported promptly to the OER Project Manager.

Disposal Facility	**Waste Type**	**Estimated Quantities**
Clean Earth of North Jersey: 115 Jacubus Avenue Kearny, NJ 07032 (973) 344-4004 Contact: Jen Schrof	Hazardous and High Lead	Number tons
Clean Earth of Philadelphia: 3201 South 61st Street Philadelphia, PA 19153 (215) 724-5520 Contact: Jen Schrof	Contaminated soil	Number tons

End-Point Sampling

Removal actions for development purposes under this plan will be performed in conjunction with confirmation soil sampling. Nine (9) (one from each of the nine grids) confirmation samples will be collected from the base of the excavation at locations to be determined by OER. For comparison to Track 2 SCOs, analytes will include VOCs, SVOC, pesticides, PCBs and metals according to analytical methods described below.

Hot-spot removal actions, whether established under this RAWP or identified during the remedial program, will be performed in conjunction with post remedial end-point samples to ensure that hot-spots are fully removed. Analytes for end-point sampling will be those parameters that are driving the hot-spot removal action and will be approved by OER. Frequency for hot-spot end-point sample collection is as follows:

1. For excavations less than 20 feet in total perimeter, at least one bottom sample and one sidewall sample biased in the direction of surface runoff.

2. For excavations 20 to 300 feet in perimeter:

    - For surface removals, one sample from the top of each sidewall for every 30 linear feet of sidewall and one sample from the excavation bottom for every 900 square feet of bottom area.
    - For subsurface removals, one sample from each sidewall for every 30 linear feet of sidewall and one sample from the excavation bottom for every 900 square feet of bottom area.

3. For sampling of volatile organics, bottom samples should be taken within 24 hours of excavation, and should be taken from the zero to six-inch interval at the excavation floor. Samples taken after 24 hours should be taken at six to twelve inches.

4. For contaminated soil removal, post remediation soil samples for laboratory analysis should be taken immediately after contaminated soil removal. If the excavation is enlarged horizontally, additional soil samples will be taken pursuant to bullets 1-3 above.

Post-remediation end-point sample locations and depth will be biased towards the areas and depths of highest contamination identified during previous sampling episodes unless field indicators such as field instrument measurements or visual contamination identified during the remedial action indicate that other locations and depths may be more heavily contaminated. In all cases, post-remediation samples should be biased toward locations and depths of the highest expected contamination.

New York State ELAP certified labs will be used for all confirmation and end-point sample analyses. Labs performing confirmation and end-point sample analyses will be reported in the

RAR. The RAR will provide a tabular and map summary of all confirmation and end-point sample results and will include all data including non-detects and applicable standards and/or guidance values. End-point samples will be analyzed for compounds and elements as described above utilizing the following methodology:

Soil analytical methods will include:

- Volatile organic compounds by EPA Method 8260;
- Semi-volatile organic compounds by EPA Method 8270;
- Target Analyte List metals; and
- Pesticides/PCBs by EPA Method 8081/8082.

If either LNAPL and/or DNAPL are detected, appropriate samples will be collected for characterization and "finger print analysis" and required regulatory reporting (i.e. spills hotline) will be performed.

Quality Assurance/Quality Control

The fundamental QA objective with respect to accuracy, precision, and sensitivity of analysis for laboratory analytical data is to achieve the QC acceptance of the analytical protocol. The accuracy, precision and completeness requirements will be addressed by the laboratory for all data generated.

One duplicate sample for every 20 samples collected will be submitted to the approved laboratory for analysis of the same parameters. One trip blank will be submitted to the laboratory with each shipment of soil samples.

Collected samples will be appropriately packaged, placed in coolers and shipped via overnight courier or delivered directly to the analytical laboratory by field personnel. Samples will be containerized in appropriate laboratory provided glassware and shipped in plastic coolers. Samples will be preserved through the use of ice or "cold-paks" to maintain a temperature of $4^{o}C$.

Dedicated disposable sampling materials will be used for the collection endpoint samples, eliminating the need to prepare field equipment (rinsate) blanks. However, if non-disposable equipment is used, (stainless steel scoop, etc.) field rinsate blanks will be prepared at the rate of 1 for every eight samples collected. Decontamination of non-dedicated sampling equipment will consist of the following:

- Gently tap or scrape to remove adhered soil
- Rinse with tap water
- Wash with alconox® detergent solution and scrub
- Rinse with tap water
- Rinse with distilled or deionized water

Prepare field blanks by pouring distilled or deionized water over decontaminated equipment and collecting the water in laboratory provided containers. Trip blanks will be used whenever samples are transported to the laboratory for analysis of VOCs. Trip blanks will not be used for samples to be analyzed for metals, SVOCs or pesticides. One blind duplicate sample will be prepared and submitted for analysis every 20 samples.

Import and Reuse of Soils

Import of soils onto the property and reuse of soils already onsite will be performed in conformance with the Soil/Materials Management Plan in Appendix 3 if necessary. The estimated quantity of soil to be imported into the Site for backfill and cover soil is zero tons. The property will be completely covered by the building foundation once the project has been constructed. The estimated quantity of onsite soil/fill expected to be reused/relocated on Site is zero tons. All of the material removed from the project site will be transported to an approved disposal facility.

4.3 ENGINEERING CONTROLS

The excavation required for the proposed Site development will achieve Track 2 Restricted Residential SCOs. Engineering Controls are required in the remedial action to address residual contamination remaining at the site. The Site has three elements which constitute the primary

Engineering Controls, consisting of:

- composite cover system consisting of the concrete building slab;
- soil vapor barrier;
- passive sub-slab depressurization system.

Composite Cover System

Exposure to residual soil/fill will be prevented by an engineered, composite cover system to be built on the Site. This composite cover system is comprised of the six (6) inch thick concrete building slab and side walls as the foundation of the proposed building.

The composite cover system would serve as a permanent engineering control for the Site. The system will be inspected and reported at specified intervals as required by this RAWP and the SMP. A Soil Management Plan will be included in the Site Management Plan and will outline the procedures to be followed in the event that the composite cover system and underlying residual soil/fill is disturbed after the remedial action is complete. Maintenance of this composite cover system will be described in the Site Management Plan in the RAR.

Vapor Barrier

Migration of soil vapor from on-Site or off-Site in the future will be mitigated with a combination of the building slab and vapor barrier. The vapor barrier will consist of Raven Industries' VaporBlock 20 Plus, which is a seven layer co-extruded barrier made from state-of-the-art polyethylene and EVOH resins. The vapor barrier will be installed prior to pouring the building's concrete slab behind and alongside the existing foundation slab. The vapor barrier will up the foundation sidewalls in accordance with manufacturer specifications. The specifications for installation will be provided to the construction management company and the foundation contractor or installer of the liner. The specifications state that all vapor barrier seam, penetrations, and repairs will be sealed either by the tape method or weld method, according to the manufacturer's recommendations and instructions.

The project's Professional Engineer licensed by the State of New York will have primary direct responsibility for overseeing the implementation of the vapor barrier. The extent of the proposed

vapor barrier membrane is provided in Figure 6. Product specification sheets are provided in Attachment 7.

The Remedial Action Report will include photographs (maximum of two photos per page) of the installation process, PE/RA certified letter (on company letterhead) from primary contractor responsible for installation oversight and field inspections, and a copy of the manufacturers certificate of warranty.

Sub-Slab Depressurization System

Migration of soil vapor will be mitigated with the construction of a passive sub-slab depressurization system (SSDS).

The passive SSDS will consist of three runs of 4” diameter perforated PVC piping installed under the building slab. The piping will be set in a one-foot thick bed of ¾” crushed stone. Each of the piping runs will connect to a capped Vacuum point threaded through the building wall (where it is sealed with vapor barrier tape). Each vacuum point enables the system pressure to be monitored periodically to determine the system’s functionality. The vacuum gauge will be located on the riser pipe in the basement. The Photohelic Pressure Switch/Gauge with a 0 – 4 inch span will be wired to a red indicator light next to the riser pipe. All piping runs will be connected to a single riser pipe that extends up through the building to vent sub-slab vapor above roof height. A Fantec HP220 Duct Fan will be hardwired in to the system at the top of the riser pipe located above the roof so it can be run actively if necessary.

4.4 INSTITUTIONAL CONTROLS

Institutional Controls (IC) will be incorporated in this remedial action to manage residual soil/fill and other media and render the Site protective of public health and the environment. Institutional Controls are listed below. Long-term employment of EC/ICs will be established in a Declaration of Covenant and Restrictions (DCR) assigned to the property by the title holder and will be implemented under a site-specific Site Management Plan (SMP) that will be included in the RAR.

Institutional Controls for this remedial action are:

- Recording of an OER-approved Declaration of Covenant and Restrictions (DCR) with the City Register or county clerk, as appropriate. The DCR will include a description of all ECs and ICs, will summarize the requirements of the Site Management Plan, and will note that the property owner and property owner's successors and assigns must comply with the DCR and the approved SMP. The recorded DCR will be submitted in the Remedial Action Report. The DCR will be recorded prior to OER issuance of the Notice of Completion;
- Submittal of a Site Management Plan in the RAR for approval by OER that provides procedures for appropriate operation, maintenance, monitoring, inspection, reporting and certification of ECs. SMP will require that the property owner and property owner's successors and assigns will submit to OER a periodic written statement that certifies that: (1) controls employed at the Site are unchanged from the previous certification or that any changes to the controls were approved by OER; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. OER retains the right to enter the Site in order to evaluate the continued maintenance of any controls. This certification shall be submitted at a frequency to be determine by OER in the SMP and will comply with RCNY §43-1407(l)(3).
- Vegetable gardens and farming on the Site are prohibited in contact with residual soil materials;
- Use of groundwater underlying the Site is prohibited without treatment rendering it safe for its intended use;
- All future activities on the Site that will disturb residual material must be conducted pursuant to the soil management provisions in an approved SMP;
- The Site will be used for residential and commercial uses and will not be used for a higher level of use without prior approval by OER.

4.5 SITE MANAGEMENT PLAN

Site Management is the last phase of remediation and begins with the approval of the Remedial Action Report and issuance of the Notice of Completion (NOC) for the Remedial Action. The Site Management Plan (SMP) describes appropriate methods and procedures to ensure implementation of all ECs and ICs that are required by the DCR and this RAWP. The Site Management Plan is submitted as part of the RAR but will be written in a manner that allows its use as an independent document. Site Management continues until terminated in writing by OER. The property owner is responsible to ensure that all Site Management responsibilities defined in the DCR and the Site Management Plan are implemented.

The SMP will provide a detailed description of the procedures required to manage residual soil/fill left in place following completion of the remedial action in accordance with the Voluntary Cleanup Agreement with OER. This includes a plan for: (1) implementation of EC's and ICs; (2) implementation of monitoring programs; (3) operation and maintenance of EC's; (4) inspection and certification of EC's; and (5) reporting. No SMP will be required for the subject development since the majority of the contaminated material will be removed and properly disposed of at an approved facility. In addition, the proposed building will encompass the entire property so no soil will be exposed after the property is developed.

Site management activities, reporting, and EC/IC certification will be scheduled by OER on a periodic basis to be established in the SMP and will be subject to review and modification by OER. The Site Management Plan will be based on a calendar year and certification reports will be due for submission to OER by July 30 of the year following the reporting period.

4.6 QUALITATIVE HUMAN HEALTH EXPOSURE ASSESSMENT

The objective of the qualitative exposure assessment is to identify potential receptors and pathways for human exposure to the contaminants of concern (COC) that are present at, or migrating from, the Site. The identification of exposure pathways describes the route that the COC takes to travel from the source to the receptor. An identified pathway indicates that the potential for exposure exists; it does not imply that exposures actually occur.

Investigations reported in the Remedial Investigation Report (RIR) are sufficient to complete a Qualitative Human Health Exposure Assessment (QHHEA). As part of the VCP process, a

QHHEA was performed to determine whether the Site poses an existing or future health hazard to the Site's exposed or potentially exposed population. The sampling data from the RI were evaluated to determine whether there is any health risk by characterizing the exposure setting, identifying exposure pathways, and evaluating contaminant fate and transport. This QHHEA was prepared in accordance with Appendix 3B and Section 3.3 (b) 8 of the NYSDEC Draft DER-10 Technical Guidance for Site Investigation and Remediation.

Known and Potential Sources

Based on the results of the Remedial Investigation Report the contaminants of concern found are:

Soil

- SVOCs including benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene were detected at concentrations exceeding Restricted Residential Use SCOs;
- Pesticides, including 4,4'-DDD, 4,4'-DDT, 4,4'-DDE, and chlordane were identified but did not exceed Restricted Residential SCOs; and
- Metals, including barium, lead, and mercury exceeding Restricted Residential Use SCOs.

Groundwater

- Several metals were identified but total barium, chromium, copper, iron, lead, manganese, and sodium exceeded Groundwater Quality Standards.

Soil Vapor

- Chlorinated VOC tetrachloroethylene (PCE) detected above NYS DOH monitoring thresholds
- Petroleum-related hydrocarbons including BTEX were detected at moderate concentrations.

Nature, Extent, Fate and Transport of Contaminants

SVOCs, pesticides, and metals are present in the historic fill materials to depths of 12 feet below grade. No metals detected in soil were reported at a concentration within the groundwater

samples that would indicate that contamination is mobilizing into groundwater or migrating off-Site. The chlorinated compound, tetrachloroethylene (PCE), was detected at elevated concentrations with soil gas samples, but not detected in any of the soil or groundwater samples collected at the Site.

Potential Routes of Exposure

The five elements of an exposure pathway are: (1) a contaminant source; (2) contaminant release and transport mechanisms; (3) a point of exposure; (4) a route of exposure; and (5) a receptor population. An exposure pathways is considered complete when all five elements of an exposure pathway are documented. A potential exposure pathway exists when any one or more of the five elements comprising an exposure pathway cannot be documented. An exposure pathway may be eliminated from further evaluation when any one of the five elements comprising an exposure pathway has not existed in the past, does not exist in the present, and will never exist in the future. Three potential primary routes exist by which chemicals can enter the body:

- Ingestion of fill/soil;
- Inhalation of vapors and particulates; and
- Dermal contact with water, fill, soil, or building materials.

Potential Points of Exposure

Current Conditions: A portion of the Site is currently capped with concrete, but the remainder of the Site consists of exposed soil. The Site is served by public water supply and groundwater use for potable supply is prohibited, groundwater is not used at the Site and there is no potential for exposure. There is no building currently constructed on the Site, therefore there is no potential for soil vapor to intrude into an on-Site building.

Construction/Remediation Activities: Once redevelopment activities begin, construction workers will come into direct contact with surface and subsurface soils, as a result of on-Site construction and excavation activities. On-Site construction workers potentially could ingest, inhale, or have dermal contact with any exposed impacted soil, and fill. Similarly, off-Site receptors could be exposed to dust and vapors from on-Site activities. During the remedial action, on-Site and off-Site exposures to contaminated dust from on-Site will be addressed through the implementation of the Soil/Materials Management Plan, stormwater pollution prevention, dust controls, and

through the implementation of the Community Air-Monitoring Program and a Construction Health and Safety Plan.

Proposed Future Conditions: Under future remediated conditions, all soils in excess of Track 2 Restricted Residential SCOs will be removed. The Site will be fully capped, limiting potential direct exposure to soil and groundwater remaining in place, and a passive SSDS and vapor barrier system will prevent any exposure to potential off-Site soil vapors in the future. The Site is served by a public water supply, and groundwater is not used at the Site for potable supply. There are no plausible off-Site pathways for ingestion, inhalation, or dermal exposure to contaminants derived from the Site under future conditions.

Existence of Human Health Exposure

Human health exposure does not currently exist on the property since direct contact is limited by the current concrete slab and sidewalk. Following the start of redevelopment, the potential will exist for human health exposures during site excavation. A CAMP will be in place during this period so exposures are limited to levels below those which would impact human health for site workers and the surrounding neighborhood. Once site redevelopment has been completed, no exposure potential will remain at the site. A SMP will be in place to minimize the potential of human health exposures if the ground is broken to repair a utility or potential future site improvement.

Receptor Populations

On-Site Receptors - The Site is currently a vacant lot surrounded with a construction fence which limits access to the Site to Site owner/representatives and trespassers. During redevelopment of the Site, the on-Site potential receptors will include construction workers, site representatives, and visitors. Once the Site is redeveloped, the on-Site potential sensitive receptors will include adult and child building residents and visitors.

Off-Site Receptors - Potential off-Site receptors within a 0.25-mile radius of the Site include: adult and child residents, and commercial and construction workers, pedestrians, trespassers, and cyclists, based on the following:

1. Commercial Businesses (up to 0.25 mile) - existing and future
2. Residential Buildings (up to 0.25 mile) - existing and future
3. Building Construction/Renovation (up to 0.25 mile) - existing and future
4. pedestrians, Trespassers, Cyclists (up to 0.25 mile) - existing and future
5. Schools (up to 0.25 mile) - existing and future

Overall Human Health Exposure Assessment

Based upon this analysis, complete on-Site exposure pathways appear to be present during current conditions and during the remedial action phase. Under current conditions, on-Site exposure pathways exist for site personnel. During remedial construction, on-Site and off-Site exposures to contaminated dust from historic fill material will be addressed through dust controls, and through the implementation of the Community Air Monitoring Program, the Soil/Materials Management Plan, and a Construction Health and Safety Plan. After the remedial action is complete, there will be no remaining exposure pathways to on-Site soil/fill, as all soil above Site-Specific SCOs will have been removed and a SSDS and vapor barrier system will have been installed as part of development. The SSDS and vapor barrier system will prevent potential vapor intrusion. The composite cover system and use restrictions will prevent contact with residual soil or groundwater and continued protection after the remedial action will be achieved by the implementation of site management including periodic inspection and certification of the performance of remedial controls. Potential post-construction use of groundwater is not considered an option because groundwater in this area of New York City is not used as a potable water source. There are no surface waters in close proximity to the Site that could be impacted or threatened.

5.0 REMEDIAL ACTION MANAGEMENT

5.1 PROJECT ORGANIZATION AND OVERSIGHT

Principal personnel who will participate in the remedial action include Michael McCarthy, Alembic Development Corp. and Boris Medovoy, Mega Contracting Project Manager. The Professional Engineer (PE) and Qualified Environmental Professionals (QEP) for this project are Thomas F. Lembo, P.E. and Steven J. McGinn.

5.2 SITE SECURITY

Site access will be controlled by a locked gate located on the western side of the property along Adam Clayton Powell Jr. Boulevard.

5.3 WORK HOURS

The hours for operation of remedial construction will be from 7 am to 6 pm. These hours conform to the New York City Department of Buildings construction code requirements.

5.4 CONSTRUCTION HEALTH AND SAFETY PLAN

The Health and Safety Plan is included in Appendix 4. The Site Safety Coordinator will be Steven J. McGinn. Remedial work performed under this RAWP will be in full compliance with applicable health and safety laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements. Confined space entry, if any, will comply with OSHA requirements and industry standards and will address potential risks. The parties performing the remedial construction work will ensure that performance of work is in compliance with the HASP and applicable laws and regulations. The HASP pertains to remedial and invasive work performed at the Site until the issuance of the Notice of Completion.

All field personnel involved in remedial activities will participate in training required under 29 CFR 1910.120, including 40-hour hazardous waste operator training and annual 8-hour refresher training. Site Safety Officer will be responsible for maintaining workers training records.

Personnel entering any exclusion zone will be trained in the provisions of the HASP and be required to sign an HASP acknowledgment. Site-specific training will be provided to field personnel. Additional safety training may be added depending on the tasks performed. Emergency telephone numbers will be posted at the site location before any remedial work begins. A safety meeting will be conducted before each shift begins. Topics to be discussed include task hazards and protective measures (physical, chemical, environmental); emergency procedures; PPE levels and other relevant safety topics. Meetings will be documented in a log book or specific form.

An emergency contact sheet with names and phone numbers is included in the HASP. That document will define the specific project contacts for use in case of emergency.

5.5 COMMUNITY AIR MONITORING PLAN

Real-time air monitoring for volatile organic compounds (VOCs) and particulate levels at the perimeter of the exclusion zone or work area will be performed. Continuous monitoring will be performed for all ground intrusive activities and during the handling of contaminated or potentially contaminated media. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pit excavation or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be performed during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. Periodic monitoring during sample collection, for instance, will consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. Depending upon the proximity of potentially exposed individuals, continuous monitoring may be performed during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence. Exceedences of action levels observed during performance of the Community Air Monitoring Plan (CAMP) will be reported to the OER Project Manager and included in the Daily Report.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) will be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis during invasive work. Upwind concentrations will be measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring work will be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment will be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment will be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities will be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities will resume with continued monitoring.
- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities will be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities will resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.
- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities will be shutdown.

All 15-minute readings must be recorded and be available for OER personnel to review. Instantaneous readings, if any, used for decision purposes will also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations will be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate

monitoring will be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment will be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques will be employed. Work will continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.
- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work will be stopped and a re-evaluation of activities initiated. Work will resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

All readings will be recorded and be available for OER personnel to review.

5.6 AGENCY APPROVALS

All permits or government approvals required for remedial construction have been or will be obtained prior to the start of remedial construction. Approval of this RAWP by OER does not constitute satisfaction of these requirements and will not be a substitute for any required permit.

5.7 SITE PREPARATION

Pre-Construction Meeting

OER will be invited to attend the pre-construction meeting at the Site with all parties involved in the remedial process prior to the start of remedial construction activities.

Mobilization

Mobilization will be conducted as necessary for each phase of work at the Site. Mobilization includes field personnel orientation, equipment mobilization (including securing all sampling equipment needed for the field investigation), marking/staking sampling locations and utility mark-outs. Each field team member will attend an orientation meeting to become familiar with the general operation of the Site, health and safety requirements, and field procedures.

Utility Marker Layouts, Easement Layouts

The presence of utilities and easements on the Site will be fully investigated prior to the performance of invasive work such as excavation or drilling under this plan by using, at a minimum, the One-Call System (811). Underground utilities may pose an electrocution, explosion, or other hazard during excavation or drilling activities. All invasive activities will be performed incompliance with applicable laws and regulations to assure safety. Utility companies and other responsible authorities will be contacted to locate and mark the locations, and a copy of the Markout Ticket will be retained by the contractor prior to the start of drilling, excavation or other invasive subsurface operations. Overhead utilities may also be present within the anticipated work zones. Electrical hazards associated with drilling in the vicinity of overhead utilities will be prevented by maintaining a safe distance between overhead power lines and drill rig masts.

Proper safety and protective measures pertaining to utilities and easements, and compliance with all laws and regulations will be employed during invasive and other work contemplated under this RAWP. The integrity and safety of on-Site and off-Site structures will be maintained during all invasive, excavation or other remedial activity performed under the RAWP.

Equipment and Material Staging

Equipment and materials will be stored and staged in a manner that complies with applicable laws and regulations.

Stabilized Construction Entrance

Steps will be taken to ensure that trucks departing the site will not track soil, fill or debris off-Site. Such actions may include use of cleaned asphalt or concrete roads or use of stone or other aggregate-based egress paths between the truck inspection station and the property exit. Measures will be taken to ensure that adjacent roadways will be kept clean of project related soils, fill and debris.

Truck Inspection Station

An outbound-truck inspection station will be set up close to the Site exit. Before exiting the NYC VCP Site, trucks will be required to stop at the truck inspection station and will be examined for evidence of contaminated soil on the undercarriage, body, and wheels. Soil and debris will be removed. Brooms, shovels and potable water will be utilized for the removal of soil from vehicles and equipment, as necessary.

Extreme Storm Preparedness and Response Contingency Plan

Damage from flooding or storm surge can include dislocation of soil and stockpiled materials, dislocation of site structures and construction materials and equipment, and dislocation of support of excavation structures. Damage from wind during an extreme storm event can create unsafe or unstable structures, damage safety structures and cause downed power lines creating dangerous site conditions and loss of power. In the event of emergency conditions caused by an extreme storm event, the enrollee will undertake the following steps for site preparedness prior to the event and response after the event.

Storm Preparedness

Preparations in advance of an extreme storm event will include the following: containerized hazardous materials and fuels will be removed from the property; lose materials will be secured to prevent dislocation and blowing by wind or water; heavy equipment such as excavators and generators will be removed from holes, trenches and depressions on the property to high ground or removed from the property; an inventory of the property with photographs will be performed to establish conditions for the site and equipment prior to the event; stockpile covers for soil and fill will be secured by adding weights such as sandbags for added security and worn or ripped

stockpile covers will be replaced with competent covers; stockpiled hazardous wastes will be removed from the property; stormwater management systems will be inspected and fortified, including, as necessary: clean and reposition silt fences, haybales; clean storm sewer filters and traps; and secure and protect pumps and hosing.

Storm Response

At the conclusion of an extreme storm event, as soon as it is safe to access the property, a complete inspection of the property will be performed. A site inspection report will be submitted to OER at the completion of site inspection and after the site security is assessed. Site conditions will be compared to the inventory of site conditions and material performed prior to the storm event and significant differences will be noted. Damage from storm conditions that result in acute public safety threats, such as downed power lines or imminent collapse of buildings, structures or equipment will be reported to public safety authorities via appropriate means such as calling 911. Petroleum spills will be reported to NYS DEC within 2 hours of identification and consistent with State regulations. Emergency and spill conditions will also be reported to OER. Public safety structures, such as construction security fences will be repaired promptly to eliminate public safety threats. Debris will be collected and removed. Dewatering will be performed in compliance with existing laws and regulations and consistent with emergency notifications, if any, from proper authorities. Eroded areas of soil including unsafe slopes will be stabilized and fortified. Dislocated materials will by collected and appropriately managed. Support of excavation structure will be inspected and fortified as necessary. Impacted stockpiles will be contained and damaged stockpile covers will be replaced. Storm-water control systems and structures will be inspected and maintained as necessary. If soil or fill materials are discharged off site to adjacent properties, property owners and OER will be notified and corrective measure plan designed to remove and clean dislocated material will be submitted to OER and implemented following approval by OER and granting of site access by the property owner. Impacted offsite areas may require characterization based on site conditions, at the discretion of OER. If onsite petroleum spills are identified, a qualified environmental professional will determine the nature and extent of the spill and report to NYS DEC's spill hotline at DEC 800-457-7362. If the source of the spill is ongoing and can be identified, it should be stopped it this can be done safely. Potential hazards will be addressed immediately, consistent with guidance issued by NYS DEC.

Storm Response Reporting

A site inspection report will be submitted to OER at the completion of site inspection. An inspection report established by OER is available on OER's website (www.nyc.gov/oer) and will be used for this purpose. Site conditions will be compared to the inventory of site conditions and material performed prior to the storm event and significant differences will be noted. The site inspection report will be sent to the OER project manager and will include the site name, address, tax block and lot, site primary and alternate contact name and phone number. Damage and soil release assessment will include: whether the project had stockpiles; whether stockpiles were damaged; photographs of damage and notice of plan for repair; report of whether soil from the site was dislocated and whether any of the soil left the site; estimates of the volume of soil that left the site, nature of impact, and photographs; description of erosion damage; description of equipment damage; description of damage to the remedial program or the construction program, such as damage to the support of excavation; presence of onsite or offsite exposure pathways caused by the storm; presence of petroleum or other spills and status of spill reporting to NYS DEC; description of corrective actions; schedule for corrective actions. This report should be completed and submitted to OER project manager with photographs within 24 hours of the time of safe entry to the property after the storm event.

5.8 TRAFFIC CONTROL

Drivers of trucks leaving the NYC VCP Site with soil/fill will be instructed to proceed without stopping in the vicinity of the site to prevent neighborhood impacts. The planned route on local roads for trucks leaving the site is describe truck route or include a map in a figure.

5.9 DEMOBILIZATION

Demobilization will include:

- As necessary, restoration of temporary access areas and areas that may have been disturbed to accommodate support areas (e.g., staging areas, decontamination areas, storage areas, temporary water management areas, and access area);

- Removal of sediment from erosion control measures and truck wash and disposal of materials in accordance with applicable laws and regulations;
- Equipment decontamination, and;
- General refuse disposal.

Equipment will be decontaminated and demobilized at the completion of all field activities. Investigation equipment and large equipment (*e.g.*, soil excavators) will be washed at the truck inspection station as necessary. In addition, all investigation and remediation derived waste will be appropriately disposed.

5.10 REPORTING AND RECORD KEEPING

Daily Reports

Daily reports providing a general summary of activities for each day of *active remedial work* will be emailed to the OER Project Manager by the end of the following day. Those reports will include:

- Project number and statement of the activities and an update of progress made and locations of work performed;
- Quantities of material imported and exported from the Site;
- Status of on-Site soil/fill stockpiles;
- A summary of all citizen complaints, with relevant details (basis of complaint; actions taken; etc.);
- A summary of CAMP excursions, if any;
- Photograph of notable Site conditions and activities.

The frequency of the reporting period may be revised in consultation with OER project manager based on planned project tasks. Daily email reports are not intended to be the primary mode of communication for notification to OER of emergencies (accidents, spills), requests for changes to the RAWP or other sensitive or time critical information. However, such information will be included in the daily reports. Emergency conditions and changes to the RAWP will be

communicated directly to the OER project manager by personal communication. Daily reports will be included as an Appendix in the Remedial Action Report.

Record Keeping and Photo-Documentation

Job-site record keeping for all remedial work will be performed. These records will be maintained on-Site during the project and will be available for inspection by OER staff. Representative photographs will be taken of the Site prior to any remedial activities and during major remedial activities to illustrate remedial program elements and contaminant source areas. Photographs will be submitted at the completion of the project in the RAR in digital format (i.e. jpeg files).

5.11 COMPLAINT MANAGEMENT

All complaints from citizens will be promptly reported to OER. Complaints will be addressed and outcomes will also be reported to OER in daily reports. Notices to OER will include the nature of the complaint, the party providing the complaint, and the actions taken to resolve any problems.

5.12 DEVIATIONS FROM THE REMEDIAL ACTION WORK PLAN

All changes to the RAWP will be reported to the OER Project Manager and will be documented in daily reports and reported in the Remedial Action Report. The process to be followed if there are any deviations from the RAWP will include a request for approval for the change from OER noting the following:

- Reasons for deviating from the approved RAWP;
- Effect of the deviations on overall remedy; and
- Determination that the remedial action with the deviation(s) is protective of public health and the environment.

6.0 REMEDIAL ACTION REPORT

A Remedial Action Report (RAR) will be submitted to OER following implementation of the remedial action defined in this RAWP. The RAR will document that the remedial work required under this RAWP has been completed and has been performed in compliance with this plan. The RAR will include:

- Information required by this RAWP;
- As-built drawings for all constructed remedial elements, required certifications, manifests and other written and photographic documentation of remedial work performed under this remedy;
- Site Management Plan (if Track 1 is not achieved);
- Description of any changes in the remedial action from the elements provided in this RAWP and associated design documents;
- Tabular summary of all end point sampling results and all material characterization results, QA/QC results for end-point sampling, and other sampling and chemical analysis performed as part of the remedial action and DUSR;
- Test results or other evidence demonstrating that remedial systems are functioning properly;
- Account of the source area locations and characteristics of all contaminated material removed from the Site including a map showing source areas;
- Account of the disposal destination of all contaminated material removed from the Site. Documentation associated with disposal of all material will include transportation and disposal records, and letters approving receipt of the material.
- Account of the origin and required chemical quality testing for material imported onto the Site.
- Recorded Declaration of Covenants and Restrictions.
- Reports and supporting material will be submitted in digital form.

Remedial Action Report Certification

The following certification will appear in front of the Executive Summary of the Remedial Action Report. The certification will include the following statements:

I, Thomas F. Lembo, am currently a professional engineer licensed by the State of New York. I had primary direct responsibility for implementation of the remedial program for the 2135 Adam Clayton Powell Jr. Blvd., Harlem Site, VCP Site Number 15CVCP051M.

I, Steven J. McGinn, am a qualified Environmental Professional. I had primary direct responsibility for implementation remedial program for the 2135 Adam Clayton Powell Jr. Blvd., Harlem Site, VCP Site Number 15CVCP051M . (Optional)

I certify that the OER-approved Remedial Action Work Plan dated month day year and Stipulations in a letter dated month day, year; if any were implemented and that all requirements in those documents have been substantively complied with. I certify that contaminated soil, fill, liquids or other material from the property were taken to facilities licensed to accept this material in full compliance with applicable laws and regulations.

7.0 SCHEDULE

The table below presents a schedule for the proposed remedial action and reporting. If the schedule for remediation and development activities changes, it will be updated and submitted to OER. Currently, a one (1) month remediation period is anticipated.

Schedule Milestone	Weeks from Remedial Action Start	Duration (weeks)
OER Approval of RAWP	0	-
Fact Sheet 2 announcing start of remedy	0	-
Mobilization	X	X
Remedial Excavation	X	X
Demobilization	X	X
Record Declaration of Covenants and Restrictions	X	X
Submit Remedial Action Report	X	X

APPENDIX 1

CITIZEN PARTICIPATION PLAN

The NYC Office of Environmental Remediation and Alembic Community Development have established this Citizen Participation Plan because the opportunity for citizen participation is an important component of the NYC Voluntary Cleanup Program. This Citizen Participation Plan describes how information about the project will be disseminated to the Community during the remedial process. As part of its obligations under the NYC VCP, Alembic Community Development will maintain a repository for project documents and provide public notice at specified times throughout the remedial program. This Plan also takes into account potential environmental justice concerns in the community that surrounds the project Site. Under this Citizen Participation Plan, project documents and work plans are made available to the public in a timely manner. Public comment on work plans is strongly encouraged during public comment periods. Work plans are not approved by the NYC Office of Environmental Remediation (OER) until public comment periods have expired and all comments are formally reviewed. An explanation of cleanup plans in the form of a public meeting or informational session is available upon request to OER's project manager assigned to this Site, Sarah Pong, who can be contacted about these issues or any others questions, comments or concerns that arise during the remedial process at (212) 442-8342.

Project Contact List. OER has established a Site Contact List for this project to provide public notices in the form of fact sheets to interested members of the Community. Communications will include updates on important information relating to the progress of the cleanup program at the Site as well as to request public comments on the cleanup plan. The Project Contact List includes owners and occupants of adjacent buildings and homes, principal administrators of nearby schools, hospitals and day care centers, the public water supplier that serves the area, established document repositories, the representative Community Board, City Council members, other elected representatives and any local Brownfield Opportunity Area (BOA) grantee organizations. Any member of the public or organization will be added to the Site Contact List on request. A copy of the Site Contact List is maintained by OER's project

manager. If you would like to be added to the Project Contact List, contact NYC OER at (212) 788-8841 or by email at brownfields@cityhall.nyc.gov.

Repositories. A document repository is maintained in the nearest public library that maintains evening and weekend hours. This document repository is intended to house, for community review, all principal documents generated during the cleanup program including Remedial Investigation plans and reports, Remedial Action work plans and reports, and all public notices and fact sheets produced during the lifetime of the remedial project. Alembic Community Development will inspect the repositories to ensure that they are fully populated with project information. The repository for this project is:

Repository Name: New York Public Library - Harlem Library Branch
Repository Address: 9 West 124th Street, New York NY 10027
Repository Telephone Number: 212-348-5620
Repository Hours of Operation:

Mon	11:00AM - 6:00PM
Tue	12:00 PM - 7:00 PM
Wed	11:00 AM - 6:00 PM
Thu	12:00 PM - 7:00 PM
Fri	10:00 AM - 5:00 PM
Sat	10:00 AM - 5:00 PM
Sun	closed

Digital Documentation. NYC OER strongly encourages the use of digital documents in repositories as a means of minimizing paper use while also increasing convenience in access and ease of use.

Identify Issues of Public Concern.

The major issues of concern to the public will be potential impacts of nuisance odors and dust during the disturbance of historic fill soils at the Site. This work will be performed in accordance

with procedures which will be specified under a detailed Remedial Program which considers and takes preventive measures for exposures to future residents of the property and those on adjacent properties during construction. Detailed plans to monitor the potential for exposure including a Construction Health and Safety Plan and a Community Air Monitoring Plan are required components of the remedial program. Implementation of these plans will be under the direct oversight of the New York City Department of Environmental Remediation (NYCOER).

These plans will specify the following worker and community health and safety activities during remedial activity at the Site:

- On-Site air monitoring for worker protection,
- Perimeter air monitoring for community protection.

The Health and Safety Plan and the Community Air Monitoring Plan prepared as part of the Remedial Action Work Plan will be available for public review at the document repository.

Public Notice and Public Comment. Public notice to all members of the Project Contact List is required at three major steps during the performance of the cleanup program (listed below) and at other points that may be required by OER. Notices will include Fact Sheets with descriptive project summaries, updates on recent and upcoming project activities, repository information, and important phone and email contact information. All notices will be prepared by Alembic Community Development, reviewed and approved by OER prior to distribution and mailed by Alembic Community Development. Public comment is solicited in public notices for all work plans developed under the NYC Voluntary Cleanup Program. Final review of all work plans by OER will consider all public comments. Approval will not be granted until the public comment period has been completed.

Citizen Participation Milestones. Public notice and public comment activities occur at several steps during a typical NYC VCP project. See flow chart on the following page, which identifies when during the NYC VCP public notices are issued: These steps include:

- **Public Notice of the availability of the Remedial Investigation Report and Remedial Action Work Plan and a 30-day public comment period on the Remedial Action Work Plan.**

  Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the availability of the Remedial Investigation Report and Remedial Action Work Plan and the initiation of a 30-day public comment period on the Remedial Action Work Plan. The Fact Sheet summarizes the findings of the RIR and provides details of the RAWP. The public comment period will be extended an additional 15 days upon public request. A public meeting or informational session will be conducted by OER upon request.

- **Public Notice announcing the approval of the RAWP and the start of remediation**

  Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the approval of the RAWP and the start of remediation.

- **Public Notice announcing the completion of remediation, designation of Institutional and Engineering Controls and issuance of the Notice of Completion**

Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the completion of remediation, providing a list of all Institutional and Engineering Controls implemented for to the Site and announcing the issuance of the Notice of Completion.

APPENDIX 2

SUSTAINABILITY STATEMENT

This Sustainability Statement documents sustainable activities and green remediation efforts planned under this remedial action.

Reuse of Clean, Recyclable Materials. Reuse of clean, locally-derived recyclable materials reduces consumption of non-renewable virgin resources and can provide energy savings and greenhouse gas reduction. An estimate of the quantity (in tons) of clean, non-virgin materials (reported by type of material) reused under this plan will be quantified and reported in the RAR.

Reduce Consumption of Virgin and Non-Renewable Resources. Reduced consumption of virgin and non-renewable resources lowers the overall environmental impact of the project on the region by conserving these resources.

An estimate of the quantity (in tons) of virgin and non-renewable resources, the use of which will be avoided under this plan, will be quantified and reported in the RAR.

Reduced Energy Consumption and Promotion of Greater Energy Efficiency. Reduced energy consumption lowers greenhouse gas emissions, improves local air quality, lessens in-city power generation requirements, can lower traffic congestion, and provides substantial cost savings.

Best efforts will be made to quantify energy efficiencies achieved during the remediation and will be reported in the Remedial Action Report (RAR). Where energy savings cannot be easily quantified, a gross indicator of the amount of energy saved or the means by which energy savings was achieved will be reported.

Conversion to Clean Fuels. Use of clean fuel improves NYC's air quality by reducing harmful emissions.

An estimate of the volume of clean fuels used during remedial activities will be quantified and reported in the RAR.

Recontamination Control. Recontamination after cleanup and redevelopment is completed undermines the value of work performed, may result in a property that is less protective of public health or the environment, and may necessitate additional cleanup work later or impede future redevelopment. Recontamination can arise from future releases that occur within the property or by influx of contamination from off-Site.

An estimate of the area of the Site that utilizes recontamination controls under this plan will be reported in the RAR in square feet.

Storm-water Retention. Storm-water retention improves water quality by lowering the rate of combined storm-water and sewer discharges to NYC's sewage treatment plants during periods of precipitation, and reduces the volume of untreated influent to local surface waters.

An estimate of the enhanced storm-water retention capability of the redevelopment project will be included in the RAR.

Linkage with Green Building. Green buildings provide a multitude of benefits to the city across a broad range of areas, such as reduction of energy consumption, conservation of resources, and reduction in toxic materials use.

The number of Green Buildings that are associated with this brownfield redevelopment property will be reported in the RAR. The total square footage of green building space created as a function of this brownfield redevelopment will be quantified for residential, commercial and industrial/manufacturing uses.

Paperless Brownfield Cleanup Program. Alembic Community Development is participating in OER's Paperless Voluntary Cleanup Program. Under this program, submission of electronic documents will replace submission of hard copies for the review of project documents, communications and milestone reports.

Low-Energy Project Management Program. Alembic Community Development is participating in OER's low-energy project management program. Under this program, whenever possible, meetings are held using remote communication technologies, such as videoconferencing and teleconferencing to reduce energy consumption and traffic congestion associated with personal transportation.

APPENDIX 3

SOIL/MATERIALS MANAGEMENT PLAN

1.1 SOIL SCREENING METHODS

Visual, olfactory and PID soil screening and assessment will be performed under the supervision of a Qualified Environmental Professional and will be reported in the RAR. Soil screening will be performed during invasive work performed during the remedy and development phases prior to issuance of the Notice of Completion.

1.2 STOCKPILE METHODS

Excavated soil from suspected areas of contamination (e.g., hot spots, USTs, drains, etc.) will be stockpiled separately and will be segregated from clean soil and construction materials. Stockpiles will be used only when necessary and will be removed as soon as practicable. While stockpiles are in place, they will be inspected daily, and before and after every storm event. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by OER. Excavated soils will be stockpiled on, at minimum, double layers of 8-mil minimum sheeting, will be kept covered at all times with appropriately anchored plastic tarps, and will be routinely inspected. Broken or ripped tarps will be promptly replaced.

All stockpile activities will be compliant with applicable laws and regulations. Soil stockpile areas will be appropriately graded to control run-off in accordance with applicable laws and regulations. Stockpiles of excavated soils and other materials shall be located at least of 50 feet from the property boundaries, where possible. Hay bales or equivalent will surround soil stockpiles except for areas where access by equipment is required. Silt fencing and hay bales will be used as needed near catch basins, surface waters and other discharge points.

1.3 CHARACTERIZATION OF EXCAVATED MATERIALS

Soil/fill or other excavated media that is transported off-Site for disposal will be sampled in a manner required by the receiving facility, and in compliance with applicable laws and regulations. Soils proposed for reuse on-Site will be managed as defined in this plan.

1.4 MATERIALS EXCAVATION, LOAD-OUT AND DEPARTURE

The PE/QEP overseeing the remedial action will:

- oversee remedial work and the excavation and load-out of excavated material;
- ensure that there is a party responsible for the safe execution of invasive and other work performed under this work plan;
- ensure that Site development activities and development-related grading cuts will not interfere with, or otherwise impair or compromise the remedial activities proposed in this RAWP;
- ensure that the presence of utilities and easements on the Site has been investigated and that any identified risks from work proposed under this plan are properly addressed by appropriate parties;
- ensure that all loaded outbound trucks are inspected and cleaned if necessary before leaving the Site;
- ensure that all egress points for truck and equipment transport from the Site will be kept clean of Site-derived materials during Site remediation.

Locations where vehicles exit the Site shall be inspected daily for evidence of soil tracking off premises. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to Site-derived materials.

Open and uncontrolled mechanical processing of historical fill and contaminated soil on-Site will not be performed without prior OER approval.

1.5 OFF-SITE MATERIALS TRANSPORT

Loaded vehicles leaving the Site will comply with all applicable materials transportation requirements (including appropriate covering, manifests, and placards) in accordance with applicable laws and regulations, including use of licensed haulers in accordance with 6 NYCRR Part 364. If loads contain wet material capable of causing leakage from trucks, truck liners will be used. Queuing of trucks will be performed on-Site, when possible in order to minimize off Site disturbance. Off-Site queuing will be minimized.

Outbound truck transport routes are describe here or show in Figure.

This routing takes into account the following factors: (a) limiting transport through residential areas and past sensitive sites; (b) use of mapped truck routes; (c) minimizing off-Site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport. To the extent possible, all trucks loaded with Site materials will travel from the Site using these truck routes. Trucks will not stop or idle in the neighborhood after leaving the project Site.

1.6 MATERIALS DISPOSAL OFF-SITE

The following documentation will be established and reported by the PE/QEP for each disposal destination used in this project to document that the disposal of regulated material exported from the Site conforms with applicable laws and regulations: (1) a letter from the PE/QEP or Enrollee to each disposal facility describing the material to be disposed and requesting written acceptance of the material. This letter will state that material to be disposed is regulated material generated at an environmental remediation Site in Manhattan, New York under a governmental remediation program. The letter will provide the project identity and the name and phone number of the PE/QEP or Enrollee. The letter will include as an attachment a summary of all chemical data for the material being transported; and (2) a letter from each disposal facility stating it is in receipt of the correspondence (1, above) and is approved to accept the material. These documents will be included in the RAR.

The Remedial Action Report will include an itemized account of the destination of all material removed from the Site during this remedial action. Documentation associated with disposal of all material will include records and approvals for receipt of the material. This information will be presented in the RAR.

All impacted soil/fill or other waste excavated and removed from the Site will be managed as regulated material and will be disposed in accordance with applicable laws and regulations. Historic fill and contaminated soils taken off-Site will be handled as solid waste and will not be disposed at a Part 360-16 Registration Facility (also known as a Soil Recycling Facility).

Waste characterization will be performed for off-Site disposal in a manner required by the receiving facility and in conformance with its applicable permits. Waste characterization sampling and analytical methods, sampling frequency, analytical results and QA/QC will be reported in the RAR. A manifest system for off-Site transportation of exported materials will be employed. Manifest information will be reported in the RAR. Hazardous wastes derived from on-Site will be stored, transported, and disposed of in compliance with applicable laws and regulations.

1.7 MATERIALS REUSE ON-SITE

Soil and fill that is derived from the property that meets the soil cleanup objectives established in this plan may be reused on-Site. The soil cleanup objectives for on-Site reuse are listed in the 6NYCRR Part 375, Table 6.8(b) Restricted Residential Use SCOs. 'Reuse on-Site' means material that is excavated during the remedy or development, does not leave the property, and is relocated within the same property and on comparable soil/fill material, and addressed pursuant to the NYC VCP agreement subject to Engineering and Institutional Controls. The PE/QEP will ensure that reused materials are segregated from other materials to be exported from the Site and that procedures defined for material reuse in this RAWP are followed.

Organic matter (wood, roots, stumps, etc.) or other waste derived from clearing and grubbing of the Site will not be buried on-Site. Soil or fill excavated from the site for grading or other purposes will not be reused within a cover soil layer or within landscaping berms.

1.8 DEMARCATION

After completion of hotspot removal and any other invasive remedial activities, and prior to backfilling, the top of the residual soil/fill will be defined by one of three methods: (1) placement of a demarcation layer. The demarcation layer will consist of geosynthetic fencing or equivalent material to be placed on the surface of residual soil/fill to provide an observable reference layer. A description or map of the approximate depth of the demarcation layer will be provided in the SMP; or (2) a land survey of the top elevation of residual soil/fill before the placement of cover soils, pavement and associated sub-soils, or other materials or structures or, (3) all materials beneath the approved cover will be considered impacted and subject to site management after the

remedy is complete. Demarcation may be established by one or any combination of these three methods. As appropriate, a map showing the method of demarcation for the Site and all associated documentation will be presented in the RAR.

This demarcation will constitute the top of the site management horizon. Materials within this horizon require adherence to special conditions during future invasive activities as defined in the Site Management Plan.

1.9 IMPORT OF BACKFILL SOIL FROM OFF-SITE SOURCES

This Section presents the requirements for imported fill materials to be used below the cover layer and within the clean soil cover layer. All imported soils will meet OER-approved backfill and cover soil quality objectives for this Site. The backfill and cover soil quality objectives are listed in the 6NYCRR Part 375, Table 6.8(b) Restricted Residential Use SCOs

A process will be established to evaluate sources of backfill and cover soil to be imported to the Site, and will include an examination of source location, current and historical use(s), and any applicable documentation. Material from industrial sites, spill sites, environmental remediation sites or other potentially contaminated sites will not be imported to the Site.

The following potential sources may be used pending attainment of backfill and cover soil quality objectives:

- Clean soil from construction projects at non-industrial sites in compliance with applicable laws and regulations;
- Clean soil from roadway or other transportation-related projects in compliance with applicable laws and regulations;
- Clean recycled concrete aggregate (RCA) from facilities permitted or registered by the regulations of NYS DEC.

All materials received for import to the Site will be approved by a PE/QEP and will be in compliance with provisions in this RAWP. The RAR will report the source of the fill, evidence that an inspection was performed on the source, chemical sampling results, frequency of testing, and a Site map indicating the locations where backfill or soil cover was placed.

Source Screening and Testing

Inspection of imported fill material will include visual, olfactory and PID screening for evidence of contamination. Materials imported to the Site will be subject to inspection, as follows:

- Trucks with imported fill material will be in compliance with applicable laws and regulations and will enter the Site at designated locations;
- The PE/QEP is responsible to ensure that every truck load of imported material is inspected for evidence of contamination; and
- Fill material will be free of solid waste including pavement materials, debris, stumps, roots, and other organic matter, as well as ashes, oil, perishables or foreign matter.

Composite samples of imported material will be taken at a minimum frequency of one sample for every 500 cubic yards of material. Once it is determined that the fill material meets imported backfill or cover soil chemical requirements and is non-hazardous, and lacks petroleum contamination, the material will be loaded onto trucks for delivery to the Site.

Recycled concrete aggregate (RCA) will be imported from facilities permitted or registered by NYSDEC. Facilities will be identified in the RAR. A PE/QEP is responsible to ensure that the facility is compliant with 6NYCRR Part 360 registration and permitting requirements for the period of acquisition of RCA. RCA imported from compliant facilities will not require additional testing, unless required by NYSDEC under its terms for operation of the facility. RCA imported to the Site must be derived from recognizable and uncontaminated concrete. RCA material is not acceptable for, and will not be used as cover material.

1.10 FLUIDS MANAGEMENT

All liquids to be removed from the Site, including dewatering fluids, will be handled, transported and disposed in accordance with applicable laws and regulations. Liquids discharged into the New York City sewer system will receive prior approval by New York City Department of Environmental Protection (NYC DEP). The NYC DEP regulates discharges to the New York City sewers under Title 15, Rules of the City of New York Chapter 19. Discharge to the New York City sewer system will require an authorization and sampling data demonstrating that the

groundwater meets the City's discharge criteria. The dewatering fluid will be pretreated as necessary to meet the NYC DEP discharge criteria. If discharge to the City sewer system is not appropriate, the dewatering fluids will be managed by transportation and disposal at an off-Site treatment facility.

Discharge of water generated during remedial construction to surface waters (i.e. a stream or river) is prohibited without a SPDES permit issued by New York State Department of Environmental Conservation.

1.11 STORM-WATER POLLUTION PREVENTION

Applicable laws and regulations pertaining to storm-water pollution prevention will be addressed during the remedial program. Erosion and sediment control measures identified in this RAWP (silt fences and barriers, and hay bale checks) will be installed around the entire perimeter of the remedial construction area and inspected once a week and after every storm event to ensure that they are operating appropriately. Discharge locations will be inspected to determine whether erosion control measures are effective in preventing significant impacts to receptors. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by OER. All necessary repairs shall be made immediately. Accumulated sediments will be removed as required to keep the barrier and hay bale check functional. Undercutting or erosion of the silt fence toe anchor will be repaired immediately with appropriate backfill materials. Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.

1.12 CONTINGENCY PLAN

This contingency plan is developed for the remedial construction to address the discovery of unknown structures or contaminated media during excavation. Identification of unknown contamination source areas during invasive Site work will be promptly communicated to OER's Project Manager. Petroleum spills will be reported to the NYS DEC Spill Hotline. These findings will be included in the daily report. If previously unidentified contaminant sources are found during on-Site remedial excavation or development-related excavation, sampling will be performed on contaminated source material and surrounding soils and reported to OER.

Chemical analytical testing will be performed for TAL metals, TCL volatiles and semi-volatiles, TCL pesticides and PCBs, as appropriate.

1.13 ODOR, DUST AND NUISANCE CONTROL

Odor Control

All necessary means will be employed to prevent on- and off-Site odor nuisances. At a minimum, procedures will include: (a) limiting the area of open excavations; (b) shrouding open excavations with tarps and other covers; and (c) use of foams to cover exposed odorous soils. If odors develop and cannot otherwise be controlled, additional means to eliminate odor nuisances will include: (d) direct load-out of soils to trucks for off-Site disposal; and (e) use of chemical odorants in spray or misting systems.

This odor control plan is capable of controlling emissions of nuisance odors. If nuisance odors are identified, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. OER will be notified of all odor complaint events. Implementation of all odor controls, including halt of work, will be the responsibility of the PE/QEP's certifying the Remedial Action Report.

Dust Control

Dust management during invasive on-Site work will include, at a minimum:

- Use of a dedicated water spray methodology for roads, excavation areas and stockpiles.
- Use of properly anchored tarps to cover stockpiles.
- Exercise extra care during dry and high-wind periods.
- Use of gravel or recycled concrete aggregate on egress and other roadways to provide a clean and dust-free road surface.

This dust control plan is capable of controlling emissions of dust. If nuisance dust emissions are identified, work will be halted and the source of dusts will be identified and

corrected. Work will not resume until all nuisance dust emissions have been abated. OER will be notified of all dust complaint events. Implementation of all dust controls, including halt of work, will be the responsibility of the PE/QEP's responsible for certifying the Remedial Action Report.

Other Nuisances

Noise control will be exercised during the remedial program. All remedial work will conform, at a minimum, to NYC noise control standards.

Rodent control will be provided, during Site clearing and grubbing, and during the remedial program, as necessary, to prevent nuisances.

APPENDIX 4

PROPOSED DEVELOPMENT PLANS

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd. New York, NY 10027

OWNER: HARLEM DOWLING HDFC, INC.

SPONSOR: Harlem Dowling

West Side Center for Children and Family Services

THE OFFICE OF
SAMIR S. SHAH, ARCHITECT

URBAN | QUOTIENT

100% Set Construction Documents
June 19, 2014

Architectural

T000.00	COVER
Z001.00	ZONING ANALYSIS
Z002.00	ZONING ANALYSIS
G001.00	BUILDING CODE NOTES
G002.00	GENERAL NOTES
EN01.00	ENERGY ANALYSIS
EN02.00	HVAC - ELECTRICAL ENERGY COMPLIANCE
EN03.00	HVAC - MECHANICAL ENERGY COMPLIANCE
TS001.00	TOPOGRAPHIC SURVEY
SB001.00	SOIL BORINGS
SB002.00	SOIL BORINGS
SB003.00	SOIL BORINGS
SB004.00	SOIL BORINGS
SB005.00	SOIL BORINGS
BPP100.00	BUILDER'S PAVEMENT PLAN, GRADE STUDY, DETAILS & NOTES
BPP101.00	BUILDER'S PAVEMENT PLAN, DETAILS & NOTES
BPP102.00	BUILDER'S PAVEMENT PLAN, DETAILS & NOTES
L100.00	SITE PLAN
L101.00	2ND & 9TH FLOOR TERRACE MATERIALS PLAN
L201.00	2ND & 9TH FLOOR TERRACES LAYOUT PLAN
L301.00	2ND & 9TH FLOOR TERRACES PLANTING PLAN
L401.00	2ND & 9TH FLOOR TERRACES SECTIONS AND ENLARGEMENTS
L501.00	2ND & 9TH FLOOR TERRACES DETAILS
A100.00	CELLAR PLAN
A101.00	CELLAR LAYOUT PLAN
A110.00	FIRST FLOOR PLAN
A111.00	FIRST FLOOR LAYOUT PLAN
A120.00	SECOND FLOOR PLAN
A121.00	SECOND FLOOR LAYOUT PLAN
A130.00	TYPICAL FLOOR PLAN (3-8)
A131.00	TYPICAL FLOOR LAYOUT PLAN
A140.00	NINTH FLOOR PLAN
A141.00	NINTH FLOOR LAYOUT PLAN
A150.00	TENTH FLOOR PLAN
A151.00	TENTH FLOOR LAYOUT PLAN
A160.00	ROOF & BULKHEAD PLAN
A161.00	ROOF LAYOUT PLAN
A170.00	CELLAR RCP
A171.00	FIRST FLOOR RCP
A172.00	SECOND FLOOR RCP
A173.00	TYPICAL FLOOR RCP (3-7)
A174.00	EIGHTH FLOOR RCP
A175.00	NINTH FLOOR RCP
A176.00	TENTH FLOOR RCP
A177.00	ROOF RCP
A178.00	2nd & 9th FLOOR ROOF GARDEN LIGHTING PLAN
A200.00	WEST ELEVATION
A210.00	NORTH ELEVATION
A220.00	EAST ELEVATION
A230.00	SOUTH ELEVATION
A300.00	BUILDING SECTION I
A301.00	BUILDING SECTION II
A310.00	WALL SECTIONS I
A311.00	WALL SECTIONS II
A320.00	WALL DETAILS I
A321.00	WALL DETAILS II
A322.00	WALL DETAILS III
A323.00	WALL DETAILS IV
A324.00	WALL DETAILS V
A330.00	ELEVATION DETAILS
A340.00	PLAN DETAILS I
A341.00	PLAN DETAILS II
A350.00	ROOF DETAILS
A370.00	TRASH CHUTE SECTIONS & DETAILS
A400.00	STAIR SECTIONS & DETAILS I
A410.00	STAIR SECTIONS & DETAILS II
A420.00	STAIR SECTIONS & DETAILS III
A421.00	STAIR SECTIONS & DETAILS IV
A422.00	STAIR SECTIONS & DETAILS V
A430.00	ELEVATOR SECTIONS & DETAILS
A500.00	EXTERIOR WALL TYPES
A510.00	INTERIOR WALL TYPES I
A511.00	INTERIOR WALL TYPES II
A512.00	INTERIOR WALL TYPES III
A520.00	WINDOW SCHEDULE & DETAILS
A530.00	WINDOW DETAILS I
A531.00	WINDOW DETAILS II
A540.00	DOOR SCHEDULE I
A541.00	DOOR SCHEDULE II
A542.00	DOOR SCHEDULE III
A543.00	DOOR SCHEDULE IV
A544.00	DOOR SCHEDULE V
A545.00	DOOR SCHEDULE VI
A550.00	DOOR DETAILS I
A551.00	DOOR DETAILS II
A600.00	UNIT BATHROOM DETAILS I
A601.00	UNIT BATHROOM DETAILS II
A602.00	PUBLIC BATHROOM DETAILS I
A603.00	PUBLIC BATHROOM DETAILS II
A604.00	PUBLIC BATHROOM DETAILS III
A610.00	KITCHEN DETAILS I
A620.00	KITCHEN DETAILS II
A630.00	KITCHEN DETAILS III
A640.00	LOBBY PLAN & ELEVATIONS
A641.00	SHARED LOBBY PLAN & ELEVATIONS
A650.00	HD LOBBY PLAN, ELEVATION & DETAILS
A652.00	DOUBLE FACADE SECTIONS AND DETAILS
A660.00	LUNCH ROOM PLAN, ELEVATIONS & DETAILS
A671.00	INTERIOR ELEVATIONS I
A672.00	INTERIOR ELEVATIONS II
A673.00	INTERIOR ELEVATIONS III
A674.00	INTERIOR ELEVATIONS IV
A675.00	INTERIOR ELEVATIONS V
A676.00	INTERIOR ELEVATIONS VI
A700.00	CELLAR FINISH PLAN
A710.00	GROUND FLOOR FINISH PLAN
A720.00	2ND FLOOR FINISH PLAN
A730.00	TYPICAL (FLOORS 3-8) FINISH PLAN
A740.00	9TH FLOOR FINISH PLAN
A750.00	10TH FLOOR FINISH PLAN

Structural

S100	CELLAR/FOUNDATION PLAN
S101.00	GROUND FRAMING PLAN
S102.00	UPPER GROUND FLOOR FRAMING PLAN
S200.00	SECOND FLOOR FRAMING PLAN
S201.00	THIRD FLOOR FRAMING PLAN
S202.00	FOURTH THROUGH EIGHTH FLOOR FRAMING PLAN
S203.00	NINTH FLOOR FRAMING PLAN
S204.00	TENTH FLOOR FRAMING PLAN
S300.00	ROOF FRAMING PLAN
S400.00	GENERAL NOTES
S401.00	SCHEDULES
S402.00	COLUMN SCHEDULE
S403.00	TYPICAL DETAILS
S404.00	TYPICAL DETAILS
S405.00	TYPICAL DETAILS
S406.00	TYPICAL DETAILS
S500.00	FOUNDATION DETAILS
S501.00	FOUNDATION DETAILS
S502.00	FOUNDATION DETAILS
S600.00	FRAMING DETAILS
S601.00	FRAMING DETAILS
S602.00	FRAMING DETAILS
S700.00	MOMENT FRAME ELEVATION
S701.00	MOMENT FRAME ELEVATION
S702.00	MOMENT FRAME ELEVATION
S703.00	MOMENT FRAME ELEVATION

Mechanical

M001.00	HVAC - GENERAL NOTES, SYMBOLS AND SCHEDULES
M002.00	HVAC - SCHEDULES
M100.00	HVAC - CELLAR FLOOR PLAN
M101.00	HVAC - GROUND FLOOR PLAN
M102.00	HVAC - 2ND FLOOR PLAN
M103.00	HVAC - 3RD-8TH FLOOR PLAN
M104.00	HVAC - 9TH FLOOR PLAN
M105.00	HVAC - 10TH FLOOR PLAN
M106.00	HVAC - ROOF FLOOR PLAN
M120.00	HVAC - CELLAR FLOOR REFRIGERATION PIPING
M121.00	HVAC - GROUND FLOOR REFRIGERATION PIPING
M200.00	HVAC - REFRIGERANT RISER DIAGRAM
M201.00	HVAC - HOT WATER RISER DIAGRAM
M202.00	HVAC - VENTILATION RISER DIAGRAM
M300.00	HVAC - BOILER ROOM PART PLAN
M301.00	HVAC - PIPING SCHEMATICS
M400.00	HVAC - DETAILS

Plumbing

P001.00	PLUMBING - GENERAL NOTES, SYMBOLS AND SCHEDULES
P002.00	PLUMBING - SYMBOLS AND SCHEDULES
P003.00	PLUMBING - SANITARY & STORM HYDRAULIC CLACULATIONS - SITE UTILITY PLAN
P100.00	PLUMBING - UNDERGROUND FLOOR PLAN
P101.00	PLUMBING - CELLAR FLOOR PLAN
P102.00	PLUMBING - GROUND FLOOR PLAN
P103.00	PLUMBING - 2ND FLOOR PLAN
P104.00	PLUMBING - 3RD FLOOR PLAN
P105.00	PLUMBING - 4TH-8TH FLOOR PLAN
P106.00	PLUMBING - 9TH FLOOR PLAN
P107.00	PLUMBING - 10TH FLOOR PLAN
P108.00	PLUMBING - ROOF FLOOR PLAN
P109.00	PLUMBING - STAIR BULKHEAD PLAN
P200.00	PLUMBING - SANITARY RISER DIAGRAM
P201.00	PLUMBING - SANITARY RISER DIAGRAM
P202.00	PLUMBING - WATER RISER DIAGRAM
P203.00	PLUMBING - WATER RISER DIAGRAM
P204.00	PLUMBING - GAS RISER DIAGRAM
P300.00	PLUMBING - DETAILS
P301.00	PLUMBING - DETAILS
P302.00	PLUMBING - DETAILS

Sprinklers

SP001.00	SPRINKLER - GENERAL NOTES, SYMBOLS AND SCHEDULES
SP002.00	SPRINKLER - SCHEDULES AND NOTES
SP100.00	SPRINKLER - CELLAR FLOOR PLAN
SP101.00	SPRINKLER - GROUND FLOOR PLAN
SP102.00	SPRINKLER - 2ND FLOOR PLAN
SP103.00	SPRINKLER - 3RD-7TH FLOOR PLAN
SP104.00	SPRINKLER - 8TH FLOOR PLAN
SP105.00	SPRINKLER - 9TH FLOOR PLAN
SP106.00	SPRINKLER - 10TH FLOOR PLAN
SP107.00	ROOF FLOOR PLAN
SP108.00	SPRINKLER - BULKHEAD FLOOR PLAN
SP201.00	SPRINKLER - RISER DIAGRAM
SP300.00	SPRINKLER - DETAILS
SP301.00	SPRINKLER - DETAILS

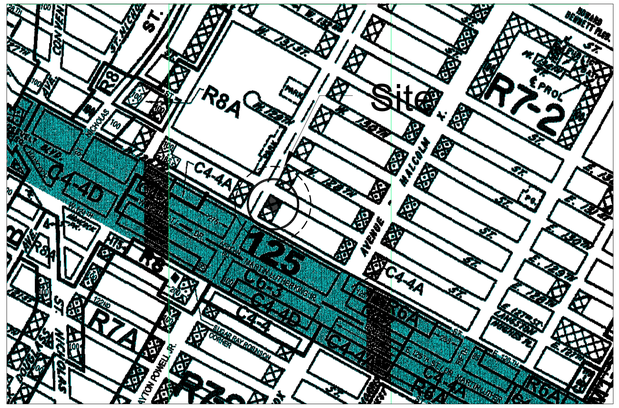
Fire Alarm

FA001.00	FIRE ALARM - RISER DIAGRAM, SYMBOLS AND SEQUENCE OF OPERATION
FA100.00	FIRE ALARM - CELLAR FLOOR PLAN
FA101.00	FIRE ALARM - GROUND FLOOR PLAN
FA102.00	FIRE ALARM - 2ND FLOOR PLAN
FA103.00	FIRE ALARM - 3RD-8TH FLOOR PLAN
FA104.00	FIRE ALARM - 9TH FLOOR PLAN
FA105.00	FIRE ALARM - 10TH FLOOR PLAN
FA106.00	FIRE ALARM - ROOF PLAN

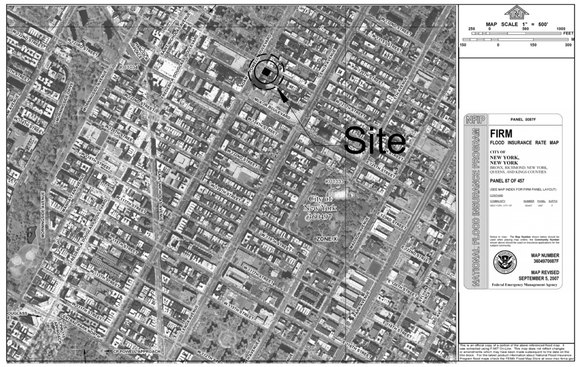
Electrical

E001.00	ELECTRICAL - GENERAL NOTES, SYMBOLS AND SCHEDULES
E100.00	ELECTRICAL - CELLAR FLOOR POWER PLAN
E101.00	ELECTRICAL - GROUND FLOOR POWER PLAN
E102.00	ELECTRICAL - 2ND FLOOR POWER PLAN
E103.00	ELECTRICAL - 3RD-8TH FLOOR POWER PLAN
E104.00	ELECTRICAL - 9TH FLOOR POWER PLAN
E105.00	ELECTRICAL - 10TH FLOOR POWER PLAN
E106.00	ELECTRICAL - ROOF FLOOR POWER PLAN
E110.00	ELECTRICAL - CELLAR FLOOR LIGHTING PLAN
E111.00	ELECTRICAL - GROUND FLOOR LIGHTING PLAN
E112.00	ELECTRICAL - 2ND FLOOR LIGHTING PLAN
E113.00	ELECTRICAL - 3RD-8TH FLOOR LIGHTING PLAN
E114.00	ELECTRICAL - 9TH FLOOR LIGHTING PLAN
E115.00	ELECTRICAL - 10TH FLOOR LIGHTING PLAN
E116.00	ELECTRICAL - ROOF LIGHTING PLAN
E201.00	ELECTRICAL - POWER RISER DIAGRAM
E202.00	ELECTRICAL - INTERCOM RISER DIAGRAM
E203.00	ELECTRICAL - TELEPHONE RISER DIAGRAM
E400.00	ELECTRICAL - PANEL SCHEDULES
E401.00	ELECTRICAL - APARTMENT PANEL SCHEDULES
E402.00	ELECTRICAL - PANELBOARD SCHEDULES
E500.00	ELECTRICAL - TYPICAL ROOM POWER LAYOUTS I
E501.00	ELECTRICAL - TYPICAL ROOM POWER LAYOUTS II

ZONING MAP



FEMA INSURANCE RATE MAP



Note: Proposed Site is in Zone "X"
Zone "X" is an area of minimal flood hazard, outside the 500-year flood level

ZONING ANALYSIS

Address: 2139 Adam Clayton Powell Blvd
New York, NY
Block:1911 Lots: 61,62
LA: **9,992 SF**
Zoning District: **R8A w/ C1-4 Overlay** Map #6a

Use Group 2:Residential ZR 22-12
Use Group 4:Community Facility ZR 22-14

- Ambulatory diagnostic or treatment health care facilities
- Philanthropic or non-profit institutions without sleeping accommodations.

Functions include:
(a) Foster Care Services
(b) Adoption Services
(c) Family Counseling
(d) Family Preservation Services
(e) Mental Health Counseling & Services
(f) Food Pantry providing free meals to the public
(g) Education & Training for Computer Literacy
(h) Central Office Functions (< 50 persons)

FAR:
Residential:6.02 ZR 23-145
Community Facility: 6.50 ZR 33-121

Maximum FA:
Total **64948** ZR 35-31
Residential: **60152** ZR 23-145
Community Facility:**64948** ZR 33-121
Proposed Res: **54390** Complies
Proposed CF: **8726** Complies
Proposed Total: **63116** Complies

Maximum Lot Coverage:
Res: **80% or** 8000sf ZR 23-145
Proposed: **68% or** 6800 sf Complies

Density
DU Factor: 740 ZR 23-22
Max # of Units: 81
Proposed: **60** Complies

Rear Yards
None Required Corner Lot ZR 24-391

Height and Setback Requirements
Minimum Base Height: **60'** ZR 35-24
Proposed: **85'** Complies
Maximum Base Height: **85'** ZR 35-24

Proposed: **85'** Complies
Maximum Building Height:**120'** ZR 35-24
Table A
Proposed: **105'** Complies
Setbacks:
Wide Street (ACP Blvd): **10'** ZR 35-24
Proposed: **10'** Complies
Narrow Street (W. 127th St.): **15'**
Proposed: **15'** Complies

Permitted Obstruction: Dormer ZR 23-621c
Max. 60% aggregate width of street walls.
Reduce 1% for each 1' above Max Base Height
Proposed:
Adam Clayton Powell Blvd.
44.17' or (44.17 / 99.67) = **44%**
10' above Max Base Height
Max. Percentage: 60-10 = 50%
44% < 50% (Complies)
W. 127th St.
50' or (50' / 99.83') = **50%**
10' Above Max Base Height
Max. Percentage: 60-10 = 50%
50% = 50% (Complies)

Parking
No Residential Parking Required ZR 36-343
(R8A site < or = to 10,000sf)
No Community Facility Parking Required ZR 36-21

Quality Housing Program
Refuse Storage & Disposal ZR 28-23
Minimum:174 cf (2.9cf/dwelling unit)
12 sf room/ residential floor (12sf deduct from FA)
Proposed: **1984 cf** Refuse Room in Cellar Complies
120 cf / floor Complies

Laundry Facilities ZR 28-24
Minimum: 3 washers (1 washer/20 units)
2 dryers (1 dryer/40 units)
Proposed: **4 washers; 2 dryers** Complies

Required Recreation Space ZR 28-31
Minimum:1483 (2.8% of Residential FAR)
Proposed: **3936 sf** outdoor space Complies
581 sf indoor space Complies

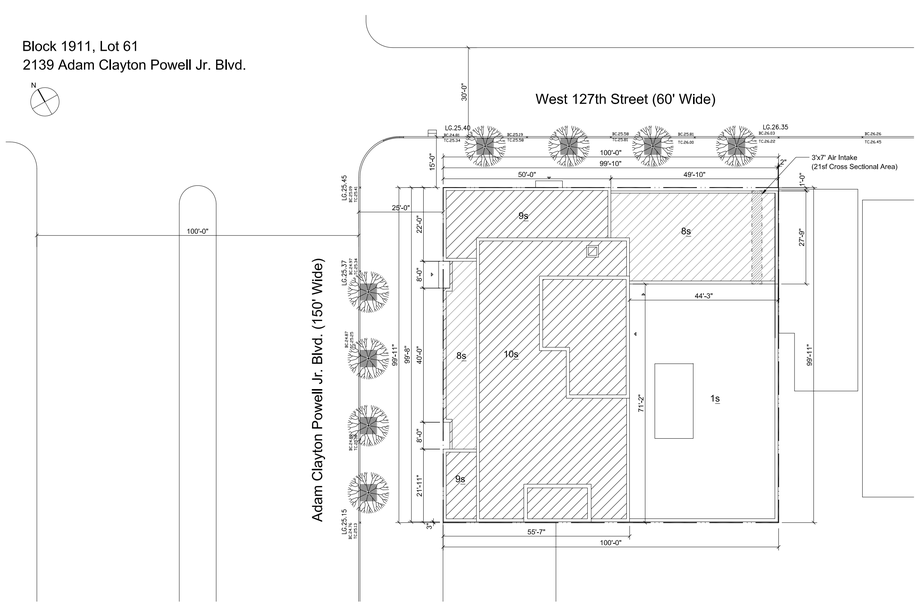
Density per Corridor ZR 28-41
Reduce 50% of corridor from FA if < 10 units/corridor
Proposed: **7 units/ corridor max**

Bicycle Storage:
Enclosed Bicycle Parking Spaces: ZR 25-811
1 per 2 units
Required:30
Proposed:30 Complies

Size of Bicycle Parking Spaces: ZR 25-83
15 sf/ required space
Required:450 sf
Proposed:450 sf Complies

Street Planting: ZR 26-41
1 tree/ 25' street frontage
Required: 8 street trees
Provided: 8 street strees Complies

PLOT PLAN



PROJECT:
A Home for Harlem Dowling
2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:
Harlem Dowling
West Side Center for Children and Family Services

ARCHITECT:

THE OFFICE OF
SAMIR S. SHAH, ARCHITECT
URBAN | QUOTIENT
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646.837.5499
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CONSULTANTS:

Structural Engineers:
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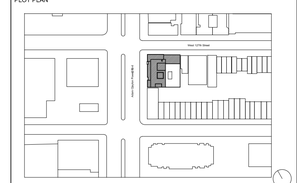
15 Reservoir Road
White Plains, NY 10363-2516
Tel: 914.948.8844 Fax: 914.948.8868

MEP Engineers:
Ettinger Engineering Associates
505 Eighth Avenue, 24th Floor
New York, NY 10018
Ph: 212-244-2410
Cell: 516-319-9360
Fax: 212-643-1606

PLOT PLAN



REVISIONS:
06/19/2014 100% Construction Documents

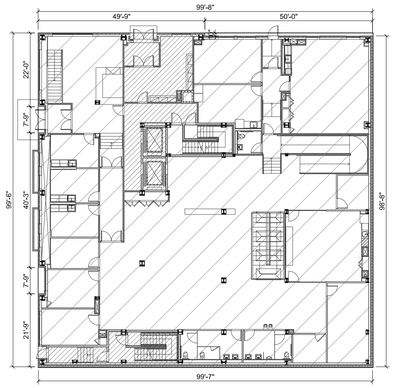
BUILDING DEPARTMENT #:
121908132

DRAWING TITLE:
Zoning Analysis

DRAWING #:
Z001.00

DATE:	DRAWN BY:	JOB #:
06/19/2014	SSS/TZ	10.09
SHEET SCALE: NTS	CHECKED BY: SSS	SHEET:

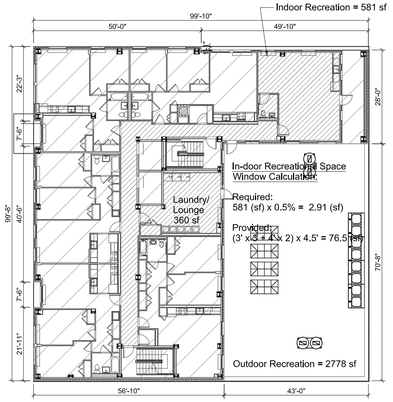
FLOOR AREA CALCULATIONS



1st Floor FA = 9851 sf

Residential FA = 1125 sf

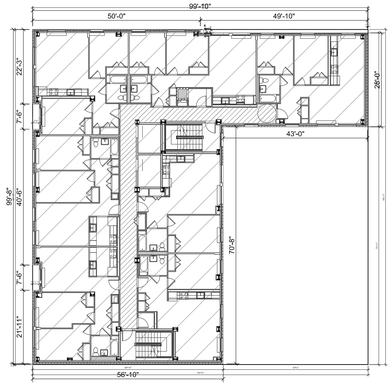
Community Facility FA = 8726 sf



2nd Floor = 6829 sf

FA Deductions:
Corridor: 50% of 515 sf = 257 sf
Laundry: 360 sf
Recreation: 581 sf
Mechanical: 30 sf

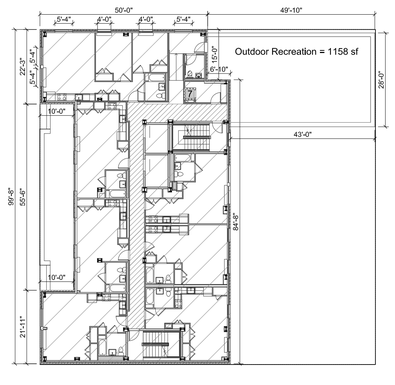
2nd Floor Residential FA = **5601 sf**



3rd - 8th Floors = 6829 sf

FA Deductions:
Corridor: 50% of 517 sf = 259 sf
Mechanical: 37 sf

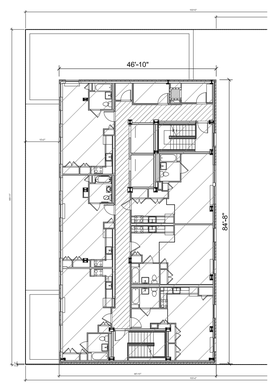
3rd-8th Residential Floor FA =
6533 sf * 6 = **39198**



9th Floor = 5005 sf

FA Deductions:
Corridor: 50% of 419 sf = 210 sf
Mechanical: 48 sf

9th Floor Residential FA = **4747**



10th Floor = 3964 sf

FA Deductions:
Corridor: 50% of 415 sf = 208 sf
Mechanical: 37 sf

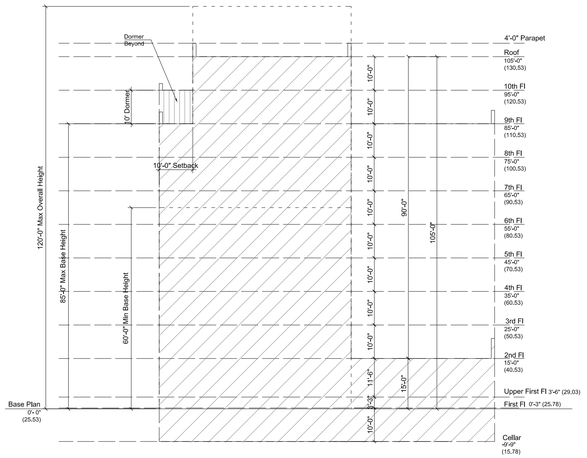
10th Floor Residential FA = **3719**

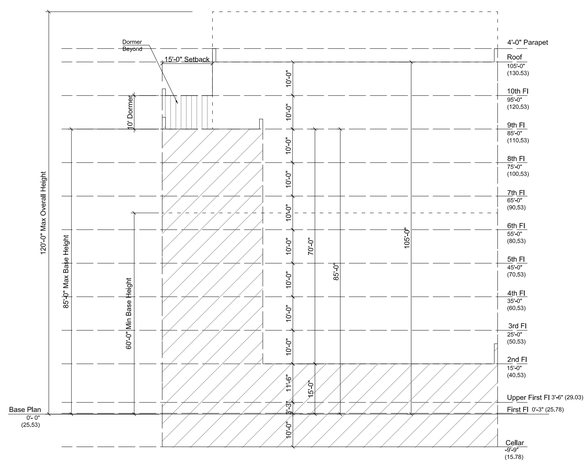
TOTAL FLOOR AREA:

Community Facility = 8726 sf
Residential = 54390 sf

Total Combined Floor Area: 63116 sf

HEIGHT & SETBACK DIAGRAM



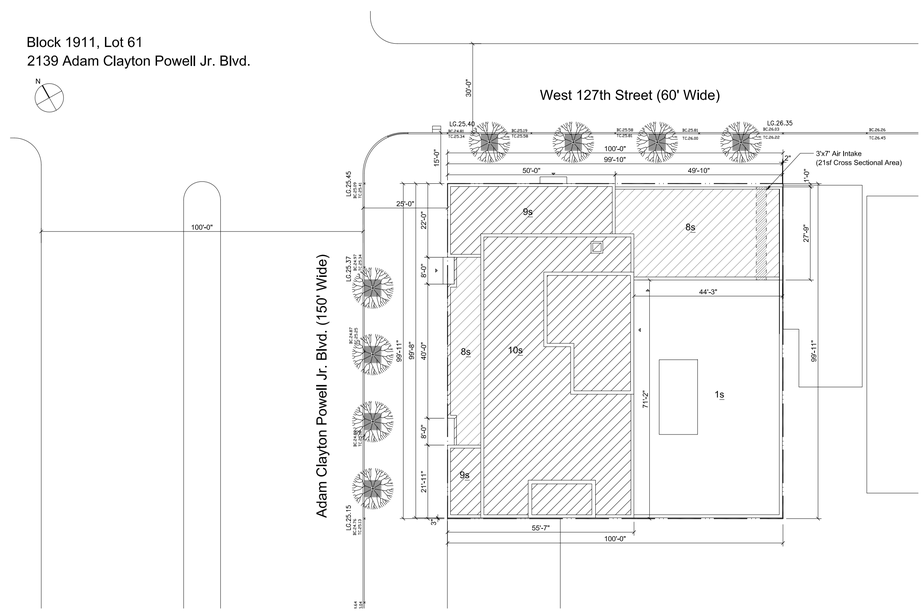


SURVEY ANALYSIS

ACP JR. BLVD	
	Curb Level
Elevation 1	25.13
Elevation 2	25.18
Elevation 3	25.25
Elevation 4	25.34
Elevation 5	25.41
W. 127th ST	
	Curb Level
Elevation 1	25.34
Elevation 2	25.58
Elevation 3	25.81
Elevation 4	26
Elevation 5	26.22
Average	**25.53**
Base Plane	25.53

PLOT PLAN

Block 1911, Lot 61
2139 Adam Clayton Powell Jr. Blvd.



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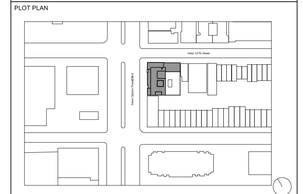
Fax: 212-643-1606

PLOT PLAN



REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

Zoning Analysis

DRAWING #:

Z002.00

DATE:	DRAWN BY:	JOB #:
06/19/2014	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
NTS	SSS	

BUILDING CODE ANALYSIS & INFORMATION

APPLICABLE CODE:

Building Code of the City of New York
New Code effective July 1 2008 - latest edition
(**Note:** All number noted after listings refer to section numbers from this document)

2011 New York City Energy Conservation Code

****NOTE: SEPARATE APPLICATIONS FILED FOR SPRINKLER, FIRE ALARM, & BUILDER'S PAVEMENT PLAN**

CONSTRUCTION CLASS: Construction Type I-B (BC602.2 and Table 601 & 602)

ELEMENT:	HOURS REQUIRED:	PROVIDED/HOURS		RELATED DETAIL
Structural Frame Including columns, girders, trusses	2 Hours	2 Hours	**COMPLIES** Steel Frame	A512.00, 1 / A320,00
Exterior Walls w/ an Exterior Separation of < 5'-0"	Bearing: 2 Hours Non-Bearing: 1 Hour	N/A 1 Hour	**COMPLIES** Brick & Metal Stud	A / A500,00
Exterior Walls w/ an Exterior Separation of 5'-0" to 10'-0"	Bearing: 2 Hours Non-Bearing: 1 Hour	N/A N/A		
Exterior Walls w/ an Exterior Separation of 10'-0" to 30'-0"	Bearing: 2 Hours Non-Bearing: 1 Hour	N/A N/A		
Exterior Walls w/ an Exterior Separation of 30'-0" or More	Bearing: 2 Hours Non-Bearing: 0 Hours	N/A 0 Hour	**COMPLIES** Brick/Concrete Panel & Metal Stud	
Interior Bearing Walls and Bearing Partitions	2 Hours	N/A		
Columns, Girders, Trusses, & Frames Supporting One (1) Floor	2 Hours	2 Hours	**COMPLIES** Steel Frame	A512.00, 2 / A320,00
Floor Construction, Including Beams	2 Hours	2 Hours	**COMPLIES** 8" Concrete Plank & Steel	2 / A320,00
Roof Construction	1 Hour	2 Hours	**COMPLIES** 8" Concrete Plank & Steel	1 / A320,00, 7 / A322,00

FIRE DISTRICT: The property is located within a fire district (D101.2)

ALLOWABLE FLOOR AREA (Section BC 503/506)

Story	Bldg Area/Story	Table 503 Area	Allowable Area
1	9868	UL	UL
2	6729	UL	UL
3	6729	UL	UL
4	6729	UL	UL
5	6729	UL	UL
6	6729	UL	UL
7	6729	UL	UL
8	6729	UL	UL
9	6201	UL	UL
10	3855	UL	UL

MAXIMUM BUILDING AREA (Section BC 506)
Allowable: UL Actual: 76895 SF (Gross Building Area including Cellar)

ALLOWABLE HEIGHT(Section BC 503/504)

Building Height in Feet	Actual: 105'-0"	Allowable(Table 503): 160'	Sprinkler Increase: 180'
Building Height in Stories	Actual: 10	Allowable(Table 503): UL	Sprinkler Increase: UL

ACCESSIBILITY: Complies with Chapter 11 of 2008 NYC Building Code

ENERGY EFFICIENCY: Complies with Chapter 13 of 2008 NYC Building Code

NATURAL VENTILATION FOR HABITABLE SPACES (Section 1203.4.1.2)
Required: 5% of Floor Area Ventilated
6 SF operable
Actual: 8.5 SF Operable Minimum Size

NATURAL LIGHT FOR HABITABLE SPACES (Section 1205.2)
Required: 10% of Floor Area
Minimum 12 SF glazed area
Actual: 17sf Glazed Area Minimum Size

MINIMUM PLUMBING FACILITIES (BC 2902)
Of Occupants in B Occupancy: 251 persons

Minimum WC for Each Sex: 5 for 101-140 persons/sex
Provided: 5 for each sex [(5 WC for Women; 3 WC & 2 Urinals for Men (<50% of Total))]; 3

Minimum Lavatories: 7 Lavatories for 252 persons
Provided: 10 Total

Minimum Drinking Fountains: 1/100 persons = 3 Required
Provided: 3 Total

SOUND TRANSMISSION RATINGS
(Section 1207.2)

ELEMENT:	REQUIRED:	PROVIDED:
Between Dwelling Units	STC 50	3" Thermafiber SAB between metal studs with ⅝" F.C. "type X" GWB both sides STC 52 BSA CAL. #301-60-SM
Between Dwelling Units and Public Halls (WALLS)	STC 50	2" Thermafiber SAB between metal studs with ⅝" F.C. "type X" GWB two layers one side, one layer on the other STC 50 BSA CAL. #453-73-SM
Between Dwelling Units and Public Halls (DOORS)	STC 35	1-3/4" thick 3'-0" x 6'-8" FPSC Hollow Metal Door with Core STC -37
Elevator Shafts, etc.	STC 35	2" Thermafiber SAB between metal studs with double layer of ½" F.C. "type X" GWB one side, 1" shaft wall liner on the other side STC 50 BSA CAL. #453-73-SM
Between Dwelling Units and Dwelling Units (FLOORS)	STC 50	8" Concrete Plank
Ductwork	INR - 0	To Comply with Section 27-769 (A 3, 4, 5)

MAXIMUM AREA OF EXTERIOR WALL OPENINGS (TABLE 704.8)
Building has an Automatic Sprinkler System; Openings are 'Protected'

North Wall (127th Street): >30' to Adjacent Wall
Allowable Opening = NO LIMIT
Proposed Opening = 32% (2689 sf openings/8405 sf total)

South Wall (@Prop. Line): < 3' to Adjacent Wall
Allowable Opening = NOT PERMITTED
Proposed Opening = 0%

South Wall (@ Rear Garden): >30' to Adjacent Wall
Allowable Opening = NO LIMIT
Proposed Opening = 28% (1918 sf openings/6826 sf total)

East Wall (@Prop. Line): < 3' to Adjacent Wall
Allowable Opening = NOT PERMITTED
Proposed Opening = 0%

East Wall (@ Rear Garden): >30' to Adjacent Wall
Allowable Opening = NO LIMIT
Proposed Opening = 21% (684 sf openings/3126 sf total)

West Wall (ACP Blvd): >30' to Adjacent Wall
Allowable Opening = NO LIMIT
Proposed Opening = 34% (3550 sf openings/10472 sf total)

General Notes

1. NO PREFABRICATED OR MODULAR CONSTRUCTION WILL BE PROPOSED UNDER THIS APPLICATION.
2. AN AUTOMATIC SPRINKLER SYSTEM FILED UNDER DOB# 121927086 SHALL BE INSTALLED THROUGHOUT THE ENTIRE BUILDING.
3. AN CLASS III STANDPIPE SYSTEM FILED UNDER DOB# 121927086 SHALL BE INSTALLED THROUGHOUT THE ENTIRE BUILDING.
4. AN AUTOMATIC FIRE ALARM SYSTEM FILED UNDER DOB# 121927059 SHALL BE INSTALLED THROUGHOUT THE ENTIRE BUILDING.

Air Sealing and Insulation Requirements

1. DUCTWORK WILL BE TESTED FOR TIGHTNESS AT 10CFM MAX. LEAKAGE/FLOOR/SHAFT (AT SFM50). ALL 4 SIDES OF DUCTWORK MUST BE SEALED. IT IS RECOMMENDED THAT SIDES TIGHT AGAINST CEILINGS AND WALLS SHOULD HAVE MASTIC APPLIED TO BOTH SECTIONS AND CONNECTED WHILE MASTIC IS STILL WET TO ACHIEVE A SEAL.
2. APARTMENT UNITS WILL BE RANDOMLY TESTED FOR AIR TIGHTNESS, WITH A MAXIMUM AIR LEAKAGE TARGET OF .30 CFM AT 50 PA.
3. ALL PIPE AND DUCT PENETRATIONS IN DRYWALL MUST BE SEALED/CALKED, INCLUDING AT SHOWERHEADS, BATHROOM AND KITCHEN SINKS, GAS & HEATING LINES, ETC.
4. ALL ELECTRICAL BOXES ON DEMISING AND EXTERIOR WALLS SHOULD BE SEALED WITH MASTIC, AND BOXES MUST BE CALKED AROUND THE PERIMETER TO THE DRYWALL. OR PROVIDE GASKETED COVERS.
5. PROVIDE GASKETS ON DATA WIRE OUTLETS.
6. ALL FLOORS TO BE SELF-LEVELED FOR A TIGHT AIR SEAL.
7. CAULK PERIMETER OF ACCESS AND ELECTRICAL PANELS, INTERCOM, THERMOSTAT, ETC. TO DRYWALL.

ACCESSIBILITY NOTES & DIAGRAMS

1. BUILDINGS AND STRUCTURES SHALL BE ACCESSIBLE TO PERSONS WITH PHYSICAL DISABILITIES AS PER CHAPTER 11 OF THE 2008 NEW YORK CITY BUILDING CODE, AS WELL, AS APPENDICES E,F, & N OF THE 2008 NEW YORK CITY BUILDING CODE AND STANDARD ICC A117.1.
2. WHEN A BUILDING IS REQUIRED TO BE ACCESSIBLE, AT LEAST ONE ACCESSIBLE ROUTE SHALL BE PROVIDED TO EACH PORTION OF THE BUILDING, TO ACCESSIBLE BUILDING ENTRANCES CONNECTING ACCESSIBLE PEDESTRIAN WALKWAYS AND THE PUBLIC WAY.
4. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ALL LEVELS, INCLUDING MEZZANINES, IN MULTI-LEVEL BUILDINGS AND FACILITIES
5. ALL PUBLIC ENTRANCES AND ENTRANCES TO TENANT SPACES THAT ARE REQUIRED TO BE ACCESSIBLE SHALL BE ACCESSIBLE ENTRANCES.
6. DOORS AND DOORWAYS AT ENTRANCES TO ACCESSIBLE UNITS, INCLUDING HARDWARE, SHALL COMPLY WITH SECTION 404 OF ICC A117.1. DOORS AND DOORWAYS, INCLUDING HARDWARE, AT ENTRANCES TO TYPE B UNITS SHALL COMPLY WITH SECTION 1003.5 OF ICC A117.1.
7. DWELLING UNITS AND SLEEPING UNITS WHICH ARE REQUIRED TO BE ACCESSIBLE UNITS, SHALL COMPLY WITH SECTION BC 1107 INCLUDING APPENDIX P, AND THE APPLICABLE PROVISIONS OF CHAPTER 10 OF ICC A117.1. IN ADDITION, TYPE B UNITS IN R-2 OCCUPANCIES SHALL COMPLY WITH SECTION BC 1107.2.1 THROUGH BC 1107.2.8. UNITS REQUIRED TO BE TYPE B UNITS ARE PERMITTED TO BE DESIGNED AND CONSTRUCTED AS ACCESSIBLE UNITS.

ACCESSIBILITY NOTES FOR KITCHENS

KITCHENS AND KITCHENETTES SHAL COMPLY WITH BC1107.2.3 AND SECTION 1003.12 OF ICC A117.1.

1. WHERE COUNTERS PROVIDE THE KNEE CLEARANCES SPECIFIED IN SECTION 305 OF ICC A117.1 CLEARANCES BETWEEN THOSE COUNTERS AND ALL OPPOSING BASE CABINETS, COUNTERTOPS, APPLIANCES, OR WALLS IN KITCHENS SHALL BE 40 IN MINIMUM, EXCEPT IN U-SHAPEN KITCHENS. WHERE SUCH CLEARANCES SHALL BE 60 IN.
2. A CLEAR FLOOR SPACE AT LEAST 30 IN BY 48 IN COMPLYING WITH SECTION 305 OF ICC A117.1 THAT ALLOWS EITHER A FORWARD OR PARALLEL APPROACH BY PERSON IN WHEELCHAIR SHALL BE PROVIDED AT ALL APPLIANCES IN THE KITCHEN.
3. ALL CONTROLS IN THE KITCHEN SHALL COMPLY WITH SECTION 309 OF ICC A117.1
4. AT LEAST ONE 30 IN SECTION OF THE COUNTER COMPLIES WITH THE FOLLOWING REQUIREMENTS.
   A) THE COUNTER SHALL BE ADJUSTABLE OR REPLACEABLE AS A UNIT AT VARIABLE HEIGHTS BETWEEN 29 IN AND 36 IN FROM FLOOR TO TOP OF COUNTER SURFACE, OR SHALL BE MOUNTED AT A FIXED HEIGHT OF NO MORE THAN 34 IN FROM THE FLOOR TO TOP OF COUNTER SURFACE.
   B) BASE CABINETS SHALL BE REMOVABLE UNDER THE FULL 30 IN MINIMUM FRONTAGE OF THE COUNTER. THE FINISHED FLOOR SHALL EXTEND UNDER THE COUNTER TO THE WALL.
   C) COUNTER THICKNESS SHALL BE 2 IN MAXIMUM OVER THE REQUIRED CLEAR AREA.
   D) A CLEAR FLOOR SPACE OF 30 IN BY 48 IN SHALL ALLOW A FORWARD APPROACH TO THE COUNTER. THE KNEE SPACE SHALL HAVE A 30 IN MINIMUM CLEAR WIDTH.
   E) THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER SUCH COUNTERS.
5. STORAGE FACILITIES SHALL PROVIDE CLEAR FLOOR SPACE AS PER SECTION 305 OF ICC A117.1 WITH THE EXCEPTION OF OVERHEAD STORAGE CABINETS. AT LEAST ONE STORAGE SHELF OR CABINET SHALL BE PROVIDED AT A HEIGHT OF NO MORE THAN 48" ABOVE FINISHED FLOOR AS PER BC 1107.2.3.4

ACCESSIBILITY NOTES FOR BATHROOMS

ACCESSIBLE BATHROOMS SHALL BE ON AN ACCESSIBLE ROUTE AND SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 11 OF THE 2008 NEW YORK CITY BUILDING CODE, AS WELL AS APPENDICES E,F, & N OF THE 2008 NEW YORK CITY BUILDING CODE AND STANDARD ICC A117.1.

DOORS (BC 1107.2.1)

1. DOORS MAY SWING INTO THE CLEAR FLOOR SPACE REQUIRED FOR ANY FIXTURE ONLY WHEN THE BATHROOM PROVIDES A 5' DIAMETER CLEAR MANEUVERING SPACE FOR A PERSON USING A WHEEL CHAIR AS PER SECTION 404 OF ICC A117.1.
2. FOR DWELLING UNITS, DOORS AND DOORWAYS SERVING TOILETS AND BATHING ROOMS MUST COMPLY WITH SECTION 1003.5 OF ICC A117.1 & BC P102.3.
   A. MANEUVERING CLEARANCES MUST BE PROVIDED AS PER SECTION 404.2.3 OF ICC A117.1.
      EXCEPTION: MINIMUM MANEUVERING CLEARANCES PERPENDICULAR TO DOORWAYS SHALL BE PERMITTED TO BE REDUCED TO 42" WHERE PULL SIDE LATCH APPROACH MANEUVERING CLEARANCE IS REQUIRED AS PER BC 1107.2.1
   B. DOORS SHALL NOT SWING INTO CLEAR FLOOR OR GROUND SPACE OR CLEARANCE FOR ANY FIXTURE AS PER P102.3
      EXCEPTION: DOORS MAY SWING INTO CLEAR FLOOR OR GROUND SPACE OR CLEARANCE FOR FIXTURES WHERE
      1. A 5' DIAMETER CLEAR MANEUVERING SPACE IS PROVIDED AS PER SECTION 305.3 OF ICC A117.1
      2. DOORS AND FRAMES ARE REVERSIBLE USING COMMON HAND TOOLS WITHOUT FURTHER ALTERATION AND FUTURE DOOR SWING DOES NOT OBSTRUCT MANEUVERING CLEARANCES AT THE DOOR OR DOORWAY

WATER CLOSETS (BC 1107.2.2 & BC P102)

1. CLEAR FLOOR SPACE FOR THE WATER CLOSET SHALL BE AS SHOWN IN DIAGRAM BELOW
2. THE HEIGHT OF A WATER CLOSET SHALL BE AT LEAST 15 IN AND NO MORE THAN 19 IN MEASURED TO THE TOP OF THE TOILET SEAT.
3. GRAB BARS SHALL BE INSTALLED AS SHOWN IN DIAGRAMS, OR STRUCTURAL REINFORCEMENT OR OTHER PROVISIONS SHALL BE MADE THAT WILL ALLOW INSTALLATION OF GRAB BARS AT LOCATIONS SHOWN IN DIAGRAMS.
4. THE TOILET PAPER DISPENSER SHALL BE INSTALLED WITHIN REACH AS SHOWN IN DIAGRAM.

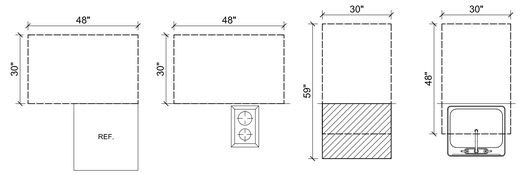
LAVATORY, MIRRORS, MEDICINE CABINETS

1. THE LAVATORIES SHALL COMPLY WITH BC P102.6, MIRRORS AND MEDICINE CABINETS SHALL COMPLY WITH BC P102.7
2. IF A CABINET IS PROVIDED UNDER THE LAVATORY IT SHALL PROVIDE, OR SHALL BE REMOVABLE TO PROVIDE, THE CLEARANCES SPECIFIED IN SECTION 306 OF ICC A117.1
3. THE BOTTOM OF A MEDICINE CABINET SHALL BE LOCATED WITH A USEABLE SHELF NO HIGHER THAN 44 IN ABOVE THE FLOOR.

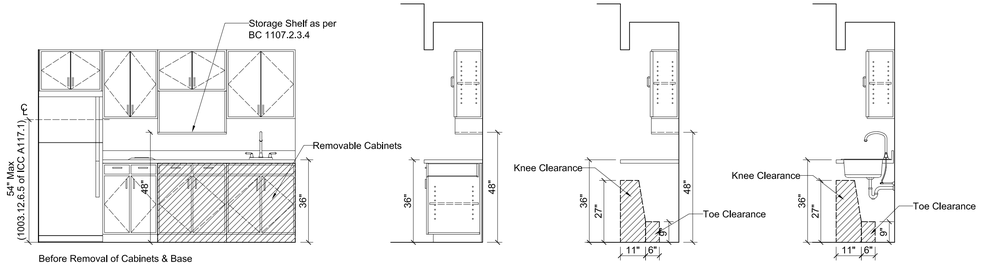
BATHTUBS (BC P102.9.1)

1. CLEAR FLOOR SPACE AT BATHTUBS SHALL BE AS SHOWN BELOW
2. GRAB BARS SHALL BE INSTALLED AS SHOWN IN DIAGRAMS, OR STRUCTURAL REINFORCEMENT OR OTHER PROVISIONS SHALL BE MADE THAT WILL ALLOW INSTALLATION OF GRAB BARS AT LOCATIONS SHOWN IN DIAGRAMS.
3. FAUCETS AND OTHER CONTROLS SHALL BE LOCATED AS SHOWN BELOW AND SHALL COMPLY WITH SECTION 607.5 OF ICCA117.1
4. A SHOWER SPRAY UNIT SHALL BE PROVIDED WITH A HOSE AT LEAST 60 IN LONG THAT CAN BE USED EITHER AS A FIXED SHOWER HEAD OR AS A HANDHELD SHOWER.

KITCHENS



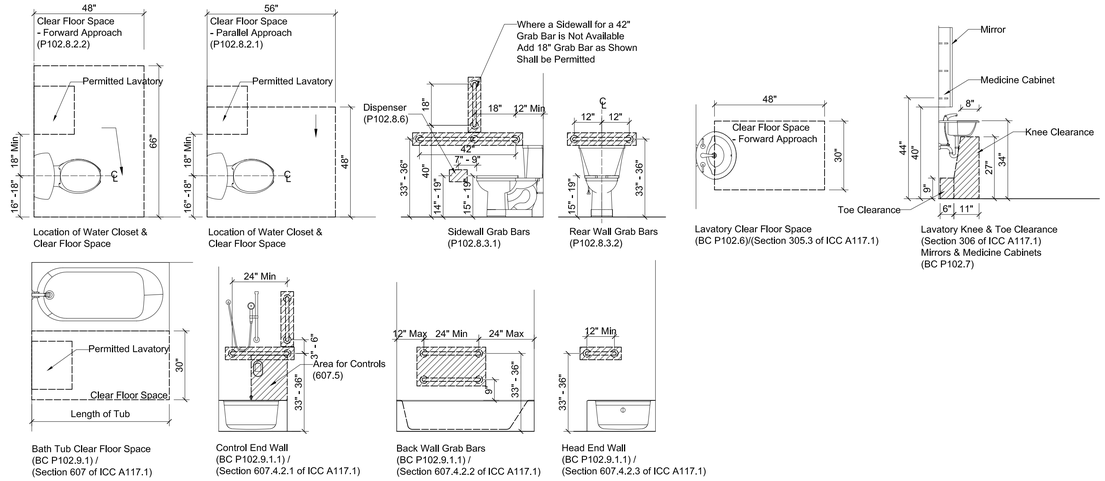
Parallel or Forward Approach Clear Floor Space as per Section 1003.12.6.2 of ICC A117.1 | Parallel Approach Clear Floor Space as per Section 1003.12.6.4 of ICC A117.1 | Forward Approach Clear Floor Space as per Section 1003.12.3.1 of ICC A117.1 | Forward Approach Clear Floor Space as per Section 1003.12.4.1 of ICC A117.1



Before Removal of Cabinets & Base

Cabinets & Base Removed

BATHROOMS



Location of Water Closet & Clear Floor Space | Location of Water Closet & Clear Floor Space | Sidewall Grab Bars (P102.8.3.1) | Rear Wall Grab Bars (P102.8.3.2) | Lavatory Clear Floor Space (BC P102.6)/(Section 305.3 of ICC A117.1) | Lavatory Knee & Toe Clearance (Section 306 of ICC A117.1) Mirrors & Medicine Cabinets (BC P102.7)

Bath Tub Clear Floor Space (BC P102.9.1) / (Section 607 of ICC A117.1) | Control End Wall (BC P102.9.1.1) / (Section 607.4.2.1 of ICC A117.1) | Back Wall Grab Bars (BC P102.9.1.1) / (Section 607.4.2.2 of ICC A117.1) | Head End Wall (BC P102.9.1.1) / (Section 607.4.2.3 of ICC A117.1)

PROJECT:

A Home for Harlem Dowling
2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling
West Side Center for Children and Family Services

ARCHITECT:

THE OFFICE OF
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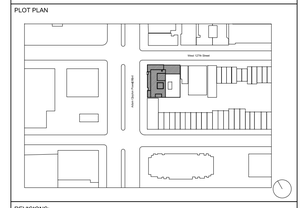
PLOT PLAN



REVISIONS:

06/19/2014 100% Set Issued for Review

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

Building Code Notes

DRAWING #:

G001.00

DATE:	DRAWN BY:	JOB #:
06/19/2014	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY: SSS	SHEET:

GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH THE RULES & REGULATIONS OF LOCAL CODES AND ORDINANCES AND OTHER AUTHORITIES HAVING JURISDICTION. ALL REQUIRED PERMITS SHALL BE OBTAINED AND PAID FOR BY THE CONTRACTOR.
2. DRAWINGS ARE NOT TO BE SCALED. USE DIMENSIONS ONLY.CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE COMMENCING WORK.
3. ALL DIMENSIONS ARE GIVEN FROM FINISHED FACE TO FINISHED FACE UNLESS OTHERWISE NOTED.
4. ALL EXITS SHALL BE KEPT READILY READILY ACCESSIBLE AND UNOBSTRUCTED AT ALL TIMES.
5. ILLUMINATION OF AT LEAST 10 FOOT CANDLES MEASURED AT FLOOR LEVEL SHALL BE MAINTAINED CONTINUOUSLY DURING OCCUPANCY IN EXITS AND THEIR ACCESS FACILITIES.
6. EXIT LIGHTING SHALL BE ON CIRCUITS THAT ARE SEPARATE FROM ANY OTHER CIRCUITS, TAKE OFFS AHEAD OF MAIN SWITCH.
7. LOCATION OF EVERY EXIT ON FLOOR SHALL BE CLEARLY INDICATED BY EXIT SIGNS. PLACE -IF REQUIRED- AT ANGLE WITH EXIT OPENING. INSTALL DIRECTIONAL SIGNS TO SERVE AS GUIDE FROM ALL PORTIONS OF THE CORRIDOR OPENING OF FLOOR.
8. CORRIDORS AND EXIT PASSAGEWAYS SHALL HAVE A CLEAR HEIGHT OF 7'-6" FOR AT LEAST 75% OF THE FLOOR AREA WITH NO POINT LESS THAN 7'-0" IN HEIGHT. PROJECTION BELOW THE CEILING SHALL NOT OBSTRUCT FULL VIEW OF EXIT SIGNS.
9. EXIT DOORS SHALL BE READILY OPENABLE AT ALL TIMES FROM THE SIDE FROM WHICH EGRESS IS TO BE MADE. DOORS OPENING INTO INTERIOR-ENCLOSED SHALL NOT BE LOCKED FROM EITHER SIDE.
10. EXHAUST SYSTEM DUCTS SHALL BE FIRE PROTECTED WITH CONSTRUCTION HAVING A FIRE RATING OF ONE OR TWO HOURS AS PER R.S.13-1.3(315) B.C. SEE DETAILS.
11. DUCTS, PIPES, AND CONDUITS, PASSING THROUGH FIRE-RATED CONSTRUCTION SHALL HAVE SPACES NOT EXCEEDING 1/2" PACKED WITH MINERAL WOOL, OR CLOSED OFF WITH CLOSE FITTING METAL ESCUTCHEONS. AGGREGATE NET AREA OF SUCH OPENING SHALL NOT EXCEED 25 SQUARE INCHES IN ANY 100 SQUARE FOOT WALL OR FLOOR AREA UNLESS PROTECTED BY RATED SELF-CLOSING DEVISES.
12. ENTIRE ALTERATION, INCLUDING INSULATION OF NEW PLUMBING PIPES AND VENT DUCTS, TO COMPLY WITH THE NEW YORK STATE ENERGY CODE.
13. CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING OF ANY AND ALL DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTING OF THE WORK. FAILURE TO NOTIFY THE ARCHITECT WILL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO PERFORM THE WORK AS INTENDED BY THE CONTRACT DOCUMENTS.
14. CONTRACTOR TO OBTAIN FENCE PERMIT PRIOR TO THE START OF CONSTRUCTION AND TO INFORM ADJOINING NEIGHBORS BY LETTER AT LEAST 5 DAYS PRIOR TO THE START OF CONSTRUCTION.
15. FLOOR TILES SHALL BE THIN SET CERAMIC, UNLESS OTHERWISE NOTED. DOOR TO BE UNDERCUT.

SYMBOLS

- EXIT LIGHT & SIGN
- SMOKE DETECTOR
- CARBON MONOXIDE DETECTOR
- HEAT DETECTOR
- GRADE ELEVATION
- SECTION
- DETAIL CALLOUT
- ELEVATION
- PARTITION TYPE
- DOOR TYPE
- WINDOW TYPE
- DA — DROP ARCH

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
ACT	ACOUSTICAL TILE
ADJ	ADJACENT
A/C	AIR CONDITIONING
ALT	ALTERNATE
AL	ALUMINUM
ANOD	ANODIZED
APX	APPROXIMATE
ARCH	ARCHITECT
AD	AREA DRAIN
ASPH	ASPHALT
BIT	BITUMINOUS
BLK	BLOCK
BLKG	BLOCKING
BOT	BOTTOM
BOS	BOTTOM OF STEEL
BRK	BRICK
BLDG	BUILDING
BL	BUILDING LINE
CAB	CABINET
CPT	CARPET
CIPC	CAST=IN-PLACE CONCRETE
CST	CAST STONE
CB	CATCH BASIN
CK	CALK(ING) CAULK(ING)
CLG	CEILING
CH	CEILING HEIGHT
CEM	CEMENT
CT	CERAMIC TILE
CLR	CLEAR(ANCE)
COL	COLUMN
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CONST	CONSTRUCTION
CONT	CONTINUOUS OR CONTINUE
CONTR	CONTRACT(OR)
CJ	CONTROL JOINT
CPG	COPING
CORR	CORRIDOR
CFL	COUNTERFLASHING
CRS	COURSE(S)
CY	CUBIC YARD
DEM	DEMOLISH, DEMOLITION
DET	DETAIL
DIAM	DIAMETER
DIM	DIMENSION
DN	DOWN
DS	DOWNSPOUT
D	DRAIN
DWG	DRAWING
DF	DRINKING FOUNTAIN
E	EAST
ELEC	ELECTRIC(AL)
EP	ELECTRICAL PANELBOARD
EL	ELEVATION
ELEV	ELEVATOR
EMER	EMERGENCY
EQ	EQUAL
EXIST	EXISTING

EJ	EXPANSION JOINT
FB	FACE BRICK
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUDS
FF	FINISH FACE
FIN	FINISH(ED)
FFE	FINISHED FLOOR ELEVATION
FFL	FINISHED FLOOR LINE
FE	FIRE EXTINGUISHER
FPSC	FIRE PROOF SELF-CLOSING
FL	FLOOR
FD	FLOOR DRAIN
FTG	FOOTING
FND	FOUNDATION
FBO	FURNISHED BY OTHERS
GA	GAGE, GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACT (FOR)
GL	GLASS, GLAZING
GT	GLAZED TILE
GB	GRAB BAR
GD	GRADE, GRADING
GWB	GYMSUM WALL BOARD
HDW	HARDWARE
HDR	HEADER
HVAC	HEATING/ VENTILATION/ AIR CONDITIONING
HT	HEIGHT
HP	HIGH POINT
H/C	HANDICAPPED
HM	HOLLOW METAL
HB	HOSE BIBB
HWH	HOT WATER HEATER
INCL	INCLUDE(D), (ING)
ID	INSIDE DIAMETER
INT	INTERIOR
INV	INVERT
JC	JANITOR'S CLOSET
JT	JOINT
KIT	KITCHEN
KO	KNOCKOUT
MH	MANHOLE
MFR	MANUFACTURER
MS	MARBLE SADDLE
MAS	MASONRY
MO	MASONRY OPENING
MTL	METAL
MAX	MAXIMUM
MECH	MECHANIC(AL)
MIN	MINIMUM
MISC	MISCELLANEOUS
MT	MOUNT(ED), (ING)
NRC	NOISE REDUCTION COEFFICIENT
NOM	NOMINAL
N	NORTH

NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER(S)
OPG	OPENING
OPP	OPPOSITE
OD	OUTSIDE DIAMETER
PTD	PAINT(ED)
PNL	PANEL
PVMT	PAVEMENT
PLAM	PLASTIC LAMINATE
PL	PLATE
PWD	PLYWOOD
PT	POINT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PC	PRECAST CONCRETE
PL	PROPERTY LINE
RAD	RADIUS
REG	REGISTER
RE	REINFORCE(D), (ING)
REQ	REQUIRED
RES	RESISTANT
RET	RETURN
REV	REVISION(S), REVISED
RH	RIGHT HAND
R	RISER
RD	ROOF DRAIN
RM	ROOM
RO	ROUGH OPENING
SCH	SCHEDULE
SEC	SECTION
SHT	SHEET
SIM	SIMILAR
S	SOUTH
SPEC	SPECIFICATION(S)
SQ	SQUARE
SST	STAINLESS STEEL
STD	STANDARD
ST	STEEL
TEL	TELEPHONE
THK	THICK(NESS)
TOP	TOP OF PARAPET
TYP	TYPICAL
VERT	VERTICAL
VCT	VINYL COMPOSITION TILE
VB	VINYL BASE
VIF	VERIFY IN FIELD
WSCT	WAINSCOT
WC	WATER CLOSET
WP	WATERPROOFING
WR	WATER RESISTANT
WS	WEATHER STRIP(ING)
WWF	WELDED WIRE FABRIC
W	WEST
W/	WITH
WO	WITHOUT
WD	WOOD

SPECIAL INSPECTIONS

SPECIAL INSPECTION ITEMS	CODE/SECTION
STRUCTURAL STEEL - WELDING	BC 1704.3.1
STRUCTURAL STEEL - ERECTION & BOLTING	BC 1704.4
CONCRETE CAST-IN-PLACE	BC 1704.4
CONCRETE - PRECAST	BC 1704.4
CONCRETE - PRESTRESSED	BC 1704.4
MASONRY	BC 1704.5
SOILS-INVESTIGATIONS (BORINGS/TEST PITS)	BC 1704.7.4
UNDERPINNING	BC 1704.9.1
WALL PANELS, CURTAIN WALL AND VENEERS	BC 1704.10
SPRAYED FIRE-RESISTANT MATERIALS	BC 1704.11
EXTERIOR INSULATION FINISH SYSTEM (EIFS)	BC 1704.12
MECHANICAL SYSTEMS	BC 1704.15
FUEL-GAS PIPING (WELDING)	BC 1704.18
STRUCTURAL SAFETY - STRUCTURAL STABILITY	BC 1704.19
SITE STORM DRAINAGE DISPOSAL & DETENTION SYS. INSTALLATION	BC 1704.20
HEATING SYSTEMS	BC 1704.23
FIRESTOP, DRAFTSTOP, & FIREBLOCK SYSTEMS	BC 1704.25
FIRE RESISTANT RATED CONSTRUCTION	BC 109.3.4
CONCRETE TEST CYLINDERS	BC 1905.6
CONCRETE DESIGN MIX	BC 1905.3

PROGRESS INSPECTION ITEMS	CODE/SECTION
FOOTING & FOUNDATION	BC 109.3.1
ENERGY CODE COMPLIANCE INSPECTIONS	BC 109.3.5
FIRE-RESISTANCE RATED CONSTRUCTION	BC 109.3.4
PERMANENT CERTIFICATE	

ENERGY CODE PROGRESS INSPECTION ITEMS	TABLE REFERENCE/ 1RCNY SEC. 5000-01(h) (1) & (2)
PROTECTION OF EXPOSED FOUNDATION INSULATION	(IA1), (IIAI)
INSULATION PLACEMENT & R-VALUES	(IA2), (IIA2)
FENESTRATION THERMAL VALUES AND PRODUCT RATINGS	(IA3), (IIA3)
FENESTRATION AND DOOR ASSEMBLY PRODUCT RATINGS FOR AIR LEAKAGE	(IA4), (IIA4)
FENESTRATION AREAS	(IA5), (IIA5)
SEALING	(IA6), (IIA6)
BUILDING ENTRANCE VESTIBULES	(IA9), (IIA9)
OUTDOOR AIR INTAKES AND EXHAUST OPENINGS	(IB2), (IIB2)
HVAC, SERVICE WATER HEATING AND POOL EQUIPMENT SIZING AND PERFORMANCE	(IB3), (IIB3)
HVAC SYSTEM CONTROLS AND ECONOMIZERS AND SERVICE HOT WATER SYSTEM CONTROLS	(IB4), (IIB4)
DUCT, PLENUM AND PIPING INSULATION AND SEALING	(IB5), (IIB5)
ELECTRICAL METERING	(IC1), (IIC1)
LIGHTING IN DWELLING UNITS	(IC2), (IIC2)
INTERIOR LIGHTING POWER	(IIC3)
EXTERIOR LIGHTING	(IIC4)
LIGHTING CONTROLS	(IIC5)
EXIT SIGNS	(IIC6)
ELECTRICAL MOTORS	(IIC8)
MAINTENANCE INFORMATION	(ID1), (IID1)

1. ALL OTHER CONTROLLED INSPECTIONS LISTED ON RELEVANT DRAWINGS FILED UNDER SELF-CERTIFICATION
2. CONTROLLED INSPECTIONS ARE TO BE PERFORMED BY A LICENSED PROFESSIONAL ENGINEER OR A REGISTERED ARCHITECT. RETAINED BY THE GENERAL CONTRACTOR AND ACCEPTABLE TO THE ARCHITECT OF RECORD. THE OWNER BUILDER OR CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSPECTIONS TO BE MADE PRIOR TO PROCEEDING FURTHER WITH THE WORK. IF WORK OR MATERIALS SUBJECT TO CONTROLLED INSPECTION ARE COVERED UP BEFORE THE CONTROLLED INSPECTION OCCURS, SUCH WORK SHALL BE ENTIRELY UNCOVERED UNDER THE SUPERVISION OF THE ENGINEER, ARCHITECT OR HIS/HER REPRESENTATIVE. THE ARCHITECT OR ENGINEER SHALL SEE THAT ALL WORK UNDER THEIR INSPECTION COMPLIES WITH THE APPROVED PLANS.
3. A LOG OR OTHER DOCUMENTATION SHALL BE MAINTAINED AT THE JOB SITE STATING WHEN ALL CONTROLLED INSPECTIONS WERE PERFORMED, THE IDENTITY OF THE INSPECTOR, AND THE SCOPE OF THE WORK WHICH WAS PERFORMED.
4. WHEN A "TR-1" CONTROLLED INSPECTION FORM IS FILED WITH THE BUILDING DEPARTMENT, SUCH FORM SHALL BE ACCOMPANIED BY A REPORT WHICH SHALL INCLUDE THE DATES OF INSPECTIONS, THE IDENTITY OF THE INSPECTOR, AND THE SCOPE OF THE WORK WHICH WAS OBSERVED.
5. WHEN A TRADE INSTALLING MECHANICAL WORK CAUSES STRUCTURAL MEMBERS OR RATED ASSEMBLIES TO LOSE THEIR INTEGRITY, REPAIRS SHALL BE PERFORMED UNDER THE SUPERVISION OF A DESIGNATED PERSON.
6. BUILDING DEPARTMENT INSPECTORS SHALL REVIEW RECORDS AT JOB SITES TO MAKE CERTAIN THAT THERE IS ADEQUATE SELF-INSPECTION.

SMOKE DETECTORS

1. EACH DWELLING UNIT SHALL BE EQUIPPED WITH AN APPROVED TYPE SMOKE DETECTION DEVICE RECEIVING ITS PRIMARY POWER FROM BUILDING WIRING WITH NO SWITCH IN CIRCUIT OTHER THAN THE OVERCIRCUIT PROTECTION THE BRANCH CIRCUIT AS PER SEC. C26-1705.3.
2. SUCH SMOKE DETECTOR SHALL BE EITHER THE IONIZATION CHAMBER TYPE OR THE PHOTOELECTRIC TYPE AS PER C26-1705 I-B.
3. ALL SMOKE DETECTORS MUST BE INSTALLED WITHIN 15 FEET OF ENTRANCE OF ANY SLEEPING ROOM WALL OR CEILING MOUNTED AND INDICATED ON PLANS AS PER NFPA #74-1980.
4. A CERTIFICATE OF SATISFACTORY INSTALLATION SHALL BE FILED WITH THE DIVISION OF CODE ENFORCEMENT 10 DAYS AFTER THE INSTALLATION IS COMPLETE.

CARBON MONOXIDE DETECTORS

1. PROVIDE CARBON MONOXIDE DETECTORS, HARD-WIRED, RECEIVING THEIR PRIMARY POWER FROM THE BUILDING WIRING AS PER BC 908.7.

MULTIPLE DWELLING LAW

1. BUILDING SHALL CONFORM TO ARTICLE 6 MULTIPLE DWELLING LAW AND DEPARTMENT RULES AND REGULATIONS AND HOUSING MAINTENANCE CODE.
2. EXTERIOR LIGHT OR LIGHTS S WATTS AND SHALL BE LOCATED AT A HEIGHT OF BETWEEN 8'-0" AND 10'-0" ABOVE GROUND LEVEL AND SHALL BE LOCATED SO AS TO ADEQUATELY LIGHT ALL PORTIONS OF REAR YARD AS PER SECTION 26 MULTIPLE DWELLING LAW AND SECTION D26-19.07 HOUSING MAINTENANCE CODE
3. OWNER SHALL PROVIDE LIGHTING FOR EVERY VESTIBULE, ENTRANCE HALL, PUBLIC HALL STAIR, AND PUBLIC HALL. LIGHTS SHALL BE SO LOCATED THAT EVERY PART THEREOF SHALL BE LIGHTED AS PER SECTION 37.1 MULTIPLE DWELLING LAW.
4. OWNER SHALL PROVIDE LIGHTS FROM SUNSET TO SUNRISE OF THE FOLLOWING DAY AS PER SECTION 37.2 MULTIPLE DWELLING LAW.
5. OWNER SHALL PROVIDE APPROVED-TYPE GOVERNMENT MAILBOXES AS APPROVED BY THE POST OFFICE AS PER SECTION 57 MULTIPLE DWELLING LAW AND D26-21.01 HOUSING MAINTENANCE CODE.
6. OWNER SHALL INSTALL INTERCOM SYSTEM, FOR EACH APARTMENT, IN VESTIBULE OF BUILDING AS PER SECTION 57 MULTIPLE DWELLING LAW.
7. CELLAR CEILINGS SHALL BE FIRE-RATARDED WITH 5/8" FIRECODE 60 AS PER SECTION 185 MULTIPLE DWELLING LAW.
8. PARAPETS AND GUARDRAILS TO BE 3'-6" HIGH AS PER SECTION 62 MULTIPLE DWELLING LAW.
9. AS PER SECTION 64.2 MULTIPLE DWELLING LAW NO GAS METER SHALL BE PLACED IN A BOILER ROOM, STAIR OR PUBLIC HALL.
10. ALL LIQUID OR WATER-BORNE WASTE FROM PLUMBING FIXTURES SHALL BE CONVEYED BY A HOUSE DRAIN AND HOUSE SEWER TO A STREET SEWER AS PER SECTION 77.1 MULTIPLE DWELLING LAW.
11. THE OWNER OF EVERY MULTIPLE DWELLING OR PART THEREOF SHALL THOROUGHLY CLEANSE AND KEEP CLEAN AT ALL TIMES, AND IN GOOD REPAIR, THE ENTIRE PLUMBING AND DRAINAGE SYSTEM AS PER SECTION 77.4 MULTIPLE DWELLING LAW.
12. A REAR YARD SHALL BE PROVIDED, 13'-0" OR MORE IN DEPTH ACROSS THE ENTIRE LOT AS PER SECTION 22 MULTIPLE DWELLING LAW.
13. STAIRS LEADING FROM A CELLAR TO THE FLOOR ABOVE SHALL BE CONSTRUCTED OF INCOMBUSTIBLE MATERIALS AS PER SECTION 190 MULTIPLE DWELLING LAW
14. CEILING OF KITCHENETTES AND BATHROOMS SHALL BE FURRED DOWN AS REQUIRED; KITCHENETTE ARCH TO BE FURRED DOWN TO A MINIMUM OF 1'-0" FROM CEILING.
15. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF AND SHALL BE SUBJECT TO THE APPROVAL OF THE DEPARTMENT OF WATER SUPPLY, GAS, AND ELECTRICITY OR CON EDISON.
16. OWNER SHALL PROVIDE AND MAINTAIN A PEEPHOLE IN THE ENTRANCE DOOR OF EACH DWELLING UNIT; SUCH PEEPHOLE SHALL BE LOCATED AND IN ALL RESPECTS TO THE REQUIREMENTS OF SECTION D26-20.01 HOUSING MAINTENANCE CODE.
17. THE CEILINGS AND WALLS OF ALL KITCHENETTES AND PUBLIC HALLS SHALL BE FIRE-RETARDED WITH 5/8" NATIONAL GOLD BOND "FIRE-SHEILD" (NYC BSA CAL. NO. 439.52.SM) OR APPROVED EQUAL.
18. OWNER SHALL INSTALL AND MAINTAIN LIGHTS ON EXTERIOR OF BUILDING; WHICH LIGHTS SHALL BE PROTECTED BY A METAL GUARD OR SHATTERPROOF GLOBE; LIGHTS SHALL BE OF AT LEAST 50 WATTS ILLUMINATION AND BE PLACED ON EACH SIDE OF FRONT ENTRANCE AT A HEIGHT OF BETWEEN 8'-0" AND 10'-0" ABOVE FLOOR LEVEL ADJACENT TO THE ENTRANCEWAY AS PER SECTION 26 MULTIPLE DWELLING LAW AND SECTION D26-19.07 HOUSING MAINTENANCE CODE.
19. ALL WINDOW SIZES SHOWN ARE BETWEEN STOP BEADS. ALL ENTRANCE AND VESTIBULE DOORS TO CONTAIN NOT LESS THAN 5 SQUARE FEET OF GLAZED AREA.
20. OWNER SHALL PROVIDE A KEY LOCK, DEAD BOLT LOCK AND CHAIN GUARD ON EACH DWELLING UNIT DOOR AS PER SECTION D26-20.05 HOUSING MAINTENANCE CODE.
21. ALL APARTMENT ENTRANCE DOORS AND DOORS TO PUBLIC HALL STAIRS TO BE ONE-HOUR APPROVED, FIREPROOF, SELF-CLOSING INCLUDING DOOR ASSEMBLY.
22. OWNER SHALL REGISTER BUILDING AT HOUSING DIVISION AS PER SECTION D26-41.01 AND 41.03 HOUSING MAINTENANCE CODE.
23. OWNER SHALL PROVIDE A SIGN IN VESTIBULE IDENTIFYING OWNER, MANAGER, AND SUPERINTENDENT AS PER SECTION D26-41.15 HOUSING MAINTENANCE CODE.
24. ALL LIVING ROOMS WILL HAVE A MINIMUM CEILING HEIGHT OF 8'-0" AND A MINIMUM ROOM SIZE OF 132 SQUARE FEET FOR BUILDING ERECTED AFTER APRIL 18.1929, AS PER SECTION D26-33.01A. HOUSING MAINTENANCE CODE.
25. THE MAXIMUM NUMBER OF PERSONS FOR ANY APARTMENT SHALL BE THE TOTAL LIVABLE FLOOR AREA DIVIDED BY 80 SQUARE FEET AS PER SECTION D26-33.03A. HOUSING MAINTENANCE CODE.
26. NO NEW ROOMING UNITS SHALL BE CREATED AS PER SECTION D26-33.07 HOUSING MAINTENANCE CODE.
27. OWNER SHALL FILE FIRE REGISTRATION STATEMENT WITH HOUSING DIVISION AS PER SECTION D26-41.01HOUSING MAINTENANCE CODE.
28. REGISTRATION SHALL CONTAIN THE FOLLOWING INFORMATION: BLOCK AND LOT, STREET NUMBER, NAME OF OWNER INCLUDING HOME AND OFFICE ADDRESS, NAME AND ADDRESS OF MANAGING AGENT, TELEPHONE NUMBER OF OWNER, AND PAY REQUIRED FEE AS PER SECTION D26-41.03 HOUSING MAINTENANCE CODE.
29. CHANGE OF OWNERSHIP OF A BUILDING REQUIRES CHANGE OF REGISTRATION STATEMENT AS PER SECTION D26-41.05 HOUSING MAINTENANCE CODE.
30. CHANGE OF MANAGING AGENT SHALL REQUIRE FILING AS PER SECTION D26-41.09 HOUSING MAINTENANCE CODE.
31. ASHES OR WASTE MATTER SHALL NOT BE ALLOWED TO ACCUMULATE OTHER THAN IN PROPER RECEPTACLES; A SUFFICIENT NUMBER OF RECEPTACLE SHALL BE PROVIDED FOR WASTE DISPOSAL AS PER SECTION D26-41.05 HOUSING MAINTENANCE CODE.
32. EVERY MULTIPLE DWELLING SHALL BE PROVIDED WITH HEAT FROM A CENTRAL HEATING SYSTEM AS PER SECTION D26-17.01 HOUSING MAINTENANCE CODE.
33. A MINIMUM TEMPERATURE SHALL BE SUPPLIED FROM A CENTRAL SYSTEM. SUCH SYSTEM SHALL KEEP THE INSIDE TEMPERATURE AT 68°F WHEN THE OUTSIDE TEMPERATURE FALLS BELOW 55°F DURING THE HOURS OF 6:00 A.M. AND 10:00 P.M., AND AT AN INSIDE TEMPERATURE OF 55°F WHEN THE OUTSIDE TEMPERATURE FALLS BELOW 40 °F BETWEEN THE HOURS OF 10:00 P.M. AND 6:00 A.M., ALL DURING THE MONTHS OF OCTOBER 1 THROUGH MAY 31 AS PER SECTION D26-17.03 HOUSING MAINTENANCE CODE.
34. THE OWNER SHALL HAVE THE CENTRAL HEATING SYSTEM INSPECTED BY A QUALIFIED PERSON AS PER SECTION D26-17.05 HOUSING MAINTENANCE CODE.
35. FLOOR SIGNS DESIGNATING FLOORS SHALL BE PROVIDED WITHIN STAIR ENCLOSURES AND IN PUBLIC HALLS NEAR THE STAIRS AS PER SECTION D26-21.03 HOUSING MAINTENANCE CODE.
36. OWNER SHALL PROVIDE A STREET NUMBER ON THE FRONT OF THE BUILDING VISIBLE FROM THE SIDEWALK AS PER SECTION D26-21.05 HOUSING MAINTENANCE CODE.

REQUIREMENTS FOR ENERGY CODE PROGRESS INSPECTION

	Inspection/Test	Periodic (minimum)	Reference Standard (See ECC Chapter 6) or Other Criteria	ECC or Other Citation
IIA	**Envelope Inspections**			
IIA1	**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.	As required during foundation work and prior to backfill	Approved construction documents	303.2.1; ASHRAE 90.1 – 5.8.1.7
IIA2	**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, 502.1, 502.2; ASHRAE 90.1 –5.5, 5.6 or 11; 5.8.1
IIA3	**Fenestration thermal values and product ratings:** U-factors and SHGC values of installed fenestration shall be visually inspected for conformance with the U-factors and SHGC values identified in the construction drawings by verifying the manufacturer's NFRC labels or, where not labeled, using the ratings in ECC Tables 303.1.3(1), (2) and (3). Where ASHRAE 90.1 is used, visible light transmittance values shall also be verified.	As required during installation	Approved construction documents; NFRC 100, NFRC 200	303.1, 303.1.3, 502.3; ASHRAE 90.1 –5.5; 5.6 or 11; 5.8.2
IIA4	**Fenestration and door assembly product ratings for air leakage:** Windows and sliding or swinging door assemblies, except site-built windows and/or doors, shall be visually inspected to verify that installed assemblies are listed and labeled by the manufacturer to the referenced standard. For curtain wall, storefront glazing, commercial entrance doors and revolving doors, the testing reports shall be reviewed to verify that the installed assembly complies with the standard cited in the approved plans.	As required during installation; prior to final construction inspection	NFRC 400, AAMA/WDMA/CSA 101/I.S.2/A440 ASTM E283; ANSI/DASMA 105	502.4; ASHRAE 90.1 –5.4.3.2
IIA5	**Fenestration areas:** Dimensions of windows, doors and skylights shall be verified by visual inspection.	Prior to final construction inspection	Approved construction documents	502.3; ASHRAE 90.1 – 5.5.4, 5.6 or 11
IIA6	**Sealing:** Openings and penetrations in the building envelope, including site-built fenestration and doors, shall be visually inspected to verify that a continuous air barrier around the envelope forms an air-tight enclosure. The progress inspector shall visually inspect to verify that materials and/or assemblies have been tested and meet the requirements of the respective standards, or that the building is tested and meets the requirements of the standard, in accordance with the standard(s) cited	As required during construction	Approved construction documents; ASTM E2178, ASTM E2357, ASTM E1677, ASTM E779, ASTM E283.	502.4.3, 502.4.7; ASHRAE 90.1 – 5.4.3.1
IIA9	**Building entrance vestibules**: Required entrance vestibules shall be visually inspected for proper operation.	Prior to final construction inspection	Approved construction documents	502.4.6; ASHRAE 90.1 – 5.4.3.4

IIC	**Electrical Power and Lighting Systems**			
IIC1	**Electrical metering:** The presence and operation of individual meters or other means of monitoring individual apartments shall be verified by visual inspection for all apartments.	Prior to final electrical and construction inspection	Approved construction documents	505.7
IIC2	**Lighting in dwelling units:** Lamps in permanently installed lighting fixtures shall be visually inspected to verify compliance with high-efficacy requirements.	Prior to final electrical and construction inspection	Approved construction documents	505.5.3
IIC3	**Interior lighting power:** Installed lighting shall be verified for compliance with the lighting power allowance by visual inspection of fixtures, lamps, ballasts and transformers.	Prior to final electrical and construction inspection	Approved construction documents	505.5; ASHRAE 90.1 –9.1, 9.2, 9.5, 9.6; 1RCNY §101-07(c)(3)(v)(C)4
IIC4	**Exterior lighting:** Installed lighting shall be verified for compliance with source efficacy and/or the lighting power allowance by visual inspection of fixtures, lamps, ballasts and relevant transformers.	Prior to final electrical and construction inspection	Approved construction documents	505.6; ASHRAE 90.1 – 9.4.4, 9.4.5; 1RCNY §101-07(c)(3)(v)(C)4
IIC5	**Lighting controls**: Each type of required lighting controls, including: ▪ occupant sensors ▪ manual interior lighting controls ▪ light-reduction controls ▪ automatic lighting shut-off ▪ daylight zone controls ▪ sleeping unit controls ▪ exterior lighting controls shall be verified by visual inspection and tested for functionality and proper operation.	Prior to final electrical and construction inspection	Approved construction documents, including control system narratives	505.2, 505.2.2.2; ASHRAE 90.1 – 9.4.1, 9.4.1.2 (as modified by section ECC A102)
IIC6	**Exit signs:** Installed exit signs shall be visually inspected to verify that the label indicates that they do not exceed maximum permitted wattage.	Prior to final electrical and construction inspection	Approved construction documents	505.4; ASHRAE 90.1 – 9.4.3
IIC8	**Electric motors (including but not limited to fan motors):** Where required by the construction documents for energy code compliance, motor listing or labels shall be visually inspected to verify that they comply with the respective energy requirements in the construction documents.	Prior to final electrical and construction inspection	Approved construction documents	503.2.10; ASHRAE 90.1 – 10.4

	Inspection/Test	Periodic (minimum)	Reference Standard (See ECC Chapter 6) or Other Criteria	ECC or Other Citation
IIB	**Mechanical and Service Water Heating Inspections**			
IIB2	**Outdoor air intakes and exhaust openings**: Dampers for stair and elevator shaft vents and other outdoor air intakes and exhaust openings integral to the building envelope shall be visually inspected to verify that such dampers, except where permitted to be gravity dampers, comply with approved construction drawings. Manufacturer's literature shall be reviewed to verify that the product has been tested and found to meet the standard.	As required during installation	Approved construction documents; AMCA 500D	502.4.4; ASHRAE 90.1 – 6.4.3.4
IIB3	**HVAC, service water heating and pool equipment sizing and performance:** Equipment sizing, efficiencies and other performance factors of all major equipment units, as determined by the applicant of record, and no less than 15% of minor equipment units, shall be verified by visual inspection and, where necessary, review of manufacturer's data. Pool heaters and covers shall be verified by visual inspection.	Prior to final plumbing and construction inspection	Approved construction documents	503.2, 504.2, 504.7; ASHRAE 90.1 – 6.3, 6.4.1, 6.4.2, 6.8; 7.4, 7.8
IIB4	**HVAC system controls and economizers and service hot water system controls:** No less than 20% of each type of required controls and economizers shall be verified by visual inspection and tested for functionality and proper operation. Such controls shall include, but are not limited to: ▪ Thermostatic ▪ Set point overlap restriction ▪ Off-hour ▪ Shutoff damper ▪ Snow-melt system ▪ Demand control systems ▪ Outdoor heating systems ▪ Zones ▪ Economizers ▪ Air systems ▪ Variable air volume fan ▪ Hydronic systems ▪ Heat rejection equipment fan speed ▪ Complex mechanical systems serving multiple zones ▪ Ventilation ▪ Energy recovery systems ▪ Hot gas bypass limitation ▪ Temperature ▪ Service water heating ▪ Hot water system ▪ Pool heater and time switches ▪ Exhaust hoods ▪ Radiant heating systems. **Controls with seasonally dependent functionality:** Controls whose complete operation cannot be demonstrated due to prevailing weather conditions typical of the season during which progress inspections will be performed shall be permitted to be signed off for the purpose of a Temporary Certificate of Occupancy with only a visual inspection, provided, however, that the progress inspector shall perform a supplemental inspection where the controls are visually inspected and tested for functionality and proper operation during the next immediate season thereafter. The owner shall provide full access to the progress inspector within two weeks of the progress inspector's request for such access to perform the progress inspection. For such supplemental inspections, the Department shall be notified by the approved progress inspection agency of any unresolved deficiencies in the installed work within 180 days of such supplemental inspection.	After installation and prior to final electrical and construction inspection, except that for controls with seasonally dependent functionality, such testing shall be performed before sign-off for issuance of a Final Certificate of Occupancy	Approved construction documents, including control system narratives; ASHRAE Guideline 1: The HVAC Commissioning Process where applicable	503.2.4, 503.2.5.1, 503.2.11, 503.3, 503.4, 504.3, 504.6, 504.7; ASHRAE 90.1 – 6.3, 6.4, 6.5, 6.7.2.4, 7.4.4, 7.4.5
IIB5	**Duct, plenum and piping insulation and sealing:** Installed duct and piping insulation shall be visually inspected to verify proper insulation placement and values. Joints, longitudinal and transverse seams and connections in ductwork shall be visually inspected for proper sealing.	After installation and prior to closing shafts, ceilings and walls	Approved construction documents; SMACNA Duct Construction Standards, Metal and Flexible	503.2.7, 503.2.8, 504.5; ASHRAE 90.1 – 6.3, 6.4.4.2, 6.8.2, 6.8.3; 7.4.3

IID	**Other**			
IID1	**Maintenance information:** Maintenance manuals for mechanical, service hot water and electrical equipment and systems requiring preventive maintenance shall be reviewed for applicability to installed equipment and systems before such manuals are provided to the owner. Labels required for such equipment or systems shall be inspected for accuracy and completeness.	Prior to sign-off or issuance of Final Certificate of Occupancy	Approved construction documents, including electrical drawings where applicable; ASHRAE Guideline 4: Preparation of Operating and Maintenance Documentation for Building Systems	303.3, 503.2.9.3; ASHRAE 90.1 – 4.2.2.3, 6.7.2.2, 8.7.2

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling

West Side Center for Children and Family Services

ARCHITECT:

THE OFFICE OF
SAMIR S. SHAH, ARCHITECT
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MEP Engineers:

Ettinger Engineering Associates
505 Eighth Avenue, 24th Floor
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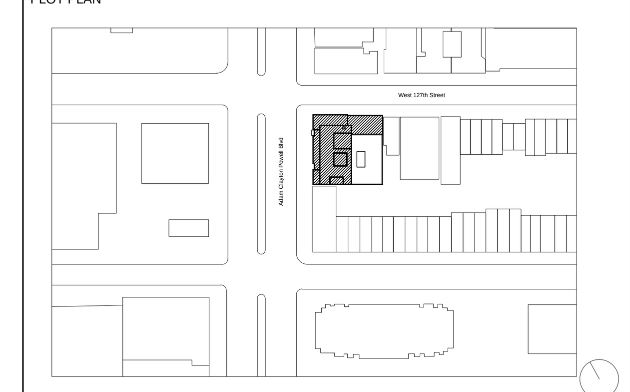
Fax: 212-643-1606

PLOT PLAN



REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #: 121908132

DRAWING TITLE: General Notes

DRAWING #: G002.00

DATE:	DRAWN BY:	JOB #:
06/19/2014	SSS/TZ	10.09
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COM*check* Software Version 3.9.2

Envelope Compliance Certificate

2010 New York Energy Conservation Construction Code

Section 1: Project Information

Project Type: **New Construction**
Project Title : A Home for Harlem Dowling

Construction Site:	Owner/Agent:	Designer/Contractor:
2139 Adam Clayton Powell, Jr. Blvd New York, NY 10027	Michael McCarthy Alembic Community Development 11 Hanover Square Suite 701 New York, NY 10005	Samir Shah Urban Quotient 231 Front Street Suite 211 Brooklyn, NY 11201

Section 2: General Information

Building Location (for weather data):	**New York, New York**
Climate Zone:	**4a**
Building Space Conditioning Type(s):	**Nonresidential, Residential**
Vertical Glazing / Wall Area Pct.:	**19%**
Skylight Glazing / Roof Area Pct.:	**1%**

Activity Type(s)	Floor Area
Multifamily	54047
Office	18577

Section 3: Requirements Checklist

Envelope PASSES: Design 5% 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)
CF ACP: Steel-Framed, 16" o.c., Nonresidential	1461	14.0	15.0	0.043	0.064
Type A: Metal Frame with Thermal Break:Double Pane with Low-E, Clear, SHGC 0.30, Nonresidential	141	---	---	0.450	0.550
Type B: Metal Frame with Thermal Break:Double Pane with Low-E, Clear, SHGC 0.30, Nonresidential	188	---	---	0.450	0.550
Type A1: Metal Frame with Thermal Break:Double Pane with Low-E, Clear, SHGC 0.30, Nonresidential	118	---	---	0.450	0.550
Type C2: Metal Frame with Thermal Break:Double Pane with Low-E, Clear, SHGC 0.30, Nonresidential	66	---	---	0.450	0.550
Door 107A: Glass (> 50% glazing):Metal Frame, Entrance Door, SHGC 0.30, Nonresidential	54	---	---	0.450	0.850
Door 141: Uninsulated Double-Layer Metal, Swinging, Nonresidential	20	---	---	0.700	0.700
CF ACP Inset: Steel-Framed, 16" o.c., Nonresidential	52	14.0	15.0	0.043	0.064
CF 127th: Steel-Framed, 16" o.c., Nonresidential	1450	14.0	15.0	0.043	0.064
Type A: Metal Frame with Thermal Break:Double Pane with Low-E, Clear, SHGC 0.30, Nonresidential	141	---	---	0.450	0.550
Type C1: Metal Frame with Thermal Break:Double Pane with Low-E, Clear, SHGC 0.30, Nonresidential	80	---	---	0.450	0.550
Type C: Metal Frame with Thermal Break:Double Pane with Low-E, Clear, SHGC 0.30, Nonresidential	110	---	---	0.450	0.550
Door 150A: Glass (> 50% glazing):Metal Frame, Entrance Door, SHGC 0.30, Nonresidential	48	---	---	0.450	0.850

Door 105A: Uninsulated Double-Layer Metal, Swinging, Nonresidential	20	---	---	0.700	0.700
CF East Prop Line Wall: Steel-Framed, 16" o.c., Nonresidential	1454	14.0	15.0	0.043	0.064
CF S Prop Line Wall: Steel-Framed, 16" o.c., Nonresidential	1470	14.0	15.0	0.043	0.064
2nd Floor Terrace: Insulation Entirely Above Deck, Nonresidential	3068	---	28.0	0.035	0.048
Skylight 1: Metal Frame with Thermal Break:Double Pane with Low-E, Clear, SHGC 0.40, Nonresidential	32	---	---	0.550	0.600
Skylight 2: Metal Frame with Thermal Break:Double Pane with Low-E, Clear, SHGC 0.40, Nonresidential	32	---	---	0.550	0.600
Skylight 3: Metal Frame with Thermal Break:Double Pane with Low-E, Clear, SHGC 0.40, Nonresidential	32	---	---	0.550	0.600
Skylight 4: Metal Frame with Thermal Break:Double Pane with Low-E, Clear, SHGC 0.40, Nonresidential	32	---	---	0.550	0.600
Residential ACP: Steel-Framed, 16" o.c., Residential	9530	14.0	15.0	0.043	0.064
Type D: Metal Frame with Thermal Break:Double Pane with Low-E, Clear, SHGC 0.30, Residential	1184	---	---	0.450	0.550
Type E1: Metal Frame with Thermal Break:Double Pane with Low-E, Clear, SHGC 0.30, Residential	490	---	---	0.450	0.550
Type F: Metal Frame with Thermal Break:Double Pane with Low-E, Clear, SHGC 0.30, Residential	784	---	---	0.450	0.550
Type G: Metal Frame with Thermal Break:Double Pane with Low-E, Clear, SHGC 0.30, Residential	280	---	---	0.450	0.550
Type E: Metal Frame with Thermal Break:Double Pane with Low-E, Clear, SHGC 0.30, Residential	252	---	---	0.450	0.550
Residential ACP Inset: Steel-Framed, 16" o.c., Residential	578	14.0	15.0	0.043	0.064
Residential ACP Bulkhead: Steel-Framed, 16" o.c., Residential	552	14.0	15.0	0.043	0.064
Residential 127th: Steel-Framed, 16" o.c., Residential	8587	14.0	15.0	0.043	0.064
Type D: Metal Frame with Thermal Break:Double Pane with Low-E, Clear, SHGC 0.30, Residential	1110	---	---	0.450	0.550
Type E: Metal Frame with Thermal Break:Double Pane with Low-E, Clear, SHGC 0.30, Residential	616	---	---	0.450	0.550
Type F: Metal Frame with Thermal Break:Double Pane with Low-E, Clear, SHGC 0.30, Residential	448	---	---	0.450	0.550
Type G: Metal Frame with Thermal Break:Double Pane with Low-E, Clear, SHGC 0.30, Residential	56	---	---	0.450	0.550
Residential 127th Bulkhead: Steel-Framed, 16" o.c., Residential	328	14.0	15.0	0.043	0.064
Res E. Garden Wall: Steel-Framed, 16" o.c., Residential	7557	14.0	15.0	0.043	0.064
Type D: Metal Frame with Thermal Break:Double Pane with Low-E, Clear, SHGC 0.30, Residential	592	---	---	0.450	0.550
Type F: Metal Frame with Thermal Break:Double Pane with Low-E, Clear, SHGC 0.30, Residential	1288	---	---	0.450	0.550
Door 207B: Glass (> 50% glazing):Metal Frame, Entrance Door, SHGC 0.30, Residential	34	---	---	0.450	0.850
Res E. Setback Wall: Steel-Framed, 16" o.c., Residential	300	14.0	15.0	0.043	0.064
Door 909B: Uninsulated Double-Layer Metal, Swinging, Residential	20	---	---	0.700	0.700
Res. E Prop Line Wall: Steel-Framed, 16" o.c., Residential	2070	14.0	15.0	0.043	0.064
Res E. Bulkhead: Steel-Framed, 16" o.c., Residential	112	0.0	0.0	0.352	0.064
Res. S Prop Line Wall: Steel-Framed, 16" o.c., Residential	5326	14.0	15.0	0.043	0.064
Res. S Garden Wall: Steel-Framed, 16" o.c., Residential	3333	14.0	15.0	0.043	0.064
Type D: Metal Frame with Thermal Break:Double Pane with Low-E, Clear, SHGC 0.30, Residential	259	---	---	0.450	0.550
Type F: Metal Frame with Thermal Break:Double Pane with Low-E, Clear, SHGC 0.30, Residential	392	---	---	0.450	0.550
Res. S Bulkhead: Steel-Framed, 16" o.c., Residential	328	14.0	15.0	0.043	0.064
9th Floor Setback: Insulation Entirely Above Deck, Residential	442	---	38.0	0.026	0.048
10th Floor S Dormer Roof: Insulation Entirely Above Deck, Residential	165	---	38.0	0.026	0.048
10th Floor N Terrace: Insulation Entirely Above Deck, Residential	703	---	38.0	0.026	0.048
Main Roof: Insulation Entirely Above Deck, Residential	3669	---	38.0	0.026	0.048
Bulkhead Roof 1: Insulation Entirely Above Deck, Residential	1047	---	38.0	0.026	0.048
Bulkhead Roof 2: Insulation Entirely Above Deck, Residential	165	---	0.0	1.282	0.048
Basement Wall 1: Solid Concrete:12" Thickness, Normal Density, Furring: Metal, Wall Ht 11.0, Depth B.G. 10.0, Nonresidential	9868	11.0	7.0	0.081	0.579

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.

Air Leakage, Component Certification, and Vapor Retarder Requirements:

- ☐ 1. 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. Windows, doors, and skylights certified as meeting leakage requirements.
- ☐ 3. Component R-values & U-factors labeled as certified.
- ☐ 4. No roof insulation is installed on a suspended ceiling with removable ceiling panels.
- ☐ 5. 'Other' components have supporting documentation for proposed U-Factors.
- ☐ 6. 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. 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. Building entrance doors have a vestibule equipped with self-closing devices.

  Exceptions:
  - ☐ 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.
  - ☐ 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 COM*check* Version 3.9.2 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 this Code.

Name - Title _____ Signature _____ Date _____

PROJECT:

A Home for Harlem Dowling
2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling
West Side Center for Children and Family Services

ARCHITECT:

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MEP Engineers:

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Fax: 212-643-1606

PLOT PLAN

REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

DRAWING TITLE:

ENERGY ANALYSIS

DRAWING #:

EN-001.00

DATE:	DRAWN BY:	JOB #:
06/19/2014	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY: SSS	SHEET:

COM*check* Software Version 3.9.3

Interior Lighting Compliance Certificate

2010 New York Energy Conservation Construction Code

Section 1: Project Information

Project Type: **New Construction**
Project Title : A HOME FOR HARLEM DOWLING

Construction Site:
2139 ADAM CLAYTON POWELL,JR BLVD
NEW YORK , NY 10027

Owner/Agent:
HARLEM DOWLING
West Side Center For Children And Family Services

Designer/Contractor:
ETTINGER ENGINEERING ASSOCIATES
505 EIGHT AVENUE
NEW YORK, NY 10018

Section 2: Interior Lighting and Power Calculation

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B x C)
79300 (Multifamily)	79300	0.7	55510
		Total Allowed Watts =	55510

Section 3: Interior Lighting Fixture Schedule

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
79300 (Multifamily 79300.sq.ft.)				
Compact Fluorescent 1: A: DOWNLIGHT: Triple 4-pin 42W: Electronic:	1	104	42	4368
Compact Fluorescent 2: B: WALL SCONCE: Twin Tube 18W: Electronic:	1	17	18	306
Compact Fluorescent 3: C: DOWNLIGHT: Twin Tube 24/26/27W: Electronic:	2	52	24	1248
Linear Fluorescent 1: D: 2X4 TROFFER: Other: Electronic:	2	51	28	1428
LED 1: E: CEILING RECESSED: LED Linear 33W:	1	81	33	2673
Compact Fluorescent 4: F: CEILING MOUNT: Quad 2-pin 26W: Electronic:	1	23	26	598
Compact Fluorescent 5: G: PENDANT: BIAX 32W: Electronic:	1	5	32	160
Compact Fluorescent 6: H: WALL SCONCE: Twin Tube 13W: Electronic:	2	130	13	1690
Compact Fluorescent 7: J: CEILING: Triple 4-pin 18W: Electronic:	1	92	18	1656
Linear Fluorescent 2: K: STAIR LTG: 48" T8 32W: Electronic:	1	47	32	1504
Linear Fluorescent 3: L: CEILING: 57" T5 35W: Electronic:	1	58	35	2030
Linear Fluorescent 4: M: WALL: Other: Electronic:	2	60	17	1020
Linear Fluorescent 5: N: CEILING: 48" T8 25W (Super T8): Electronic:	2	14	25	350
LED 2: O: UNDERCABINET: LED Undercabinet Unit 11.4W:	1	261	10	2610
Compact Fluorescent 9: Q: WALL: Twin Tube 24/26/27W: Electronic:	1	27	27	729
LED 3: R: WALL: LED A Lamp 25W:	1	9	25	225
			Total Proposed Watts =	22595

Section 4: Requirements Checklist

Interior Lighting PASSES: Design 59% better than code.

Lighting Wattage:

☑ 1. Total proposed watts must be less than or equal to total allowed watts.

Allowed Watts	Proposed Watts	Complies
55510	22595	YES

Controls, Switching, and Wiring:

☐ 2. Daylight zones under skylights more than 15 feet from the perimeter have lighting controls separate from daylight zones adjacent to vertical fenestration.
☐ 3. Daylight zones have individual lighting controls independent from that of the general area lighting.

Exceptions:

☐ Contiguous daylight zones spanning no more than two orientations are allowed to be controlled by a single controlling device.
☐ Daylight spaces enclosed by walls or ceiling height partitions and containing two or fewer light fixtures are not required to have a separate switch for general area lighting.

☑ 4. Independent controls for each space (switch/occupancy sensor).

Exceptions:

☑ Areas designated as security or emergency areas that must be continuously illuminated.
☑ Lighting in stairways or corridors that are elements of the means of egress.

☐ 5. Master switch at entry to hotel/motel guest room.
☐ 6. Individual dwelling units separately metered.
☐ 7. Medical task lighting or art/history display lighting claimed to be exempt from compliance has a control device independent of the control of the nonexempt lighting.
☐ 8. Each space required to have a manual control also allows for reducing the connected lighting load by at least 50 percent by either controlling all luminaires, dual switching of alternate rows of luminaires, alternate luminaires, or alternate lamps; switching the middle lamp luminaires independently of other lamps, or switching each luminaire or each lamp.

Exceptions:

☐ Only one luminaire in space.
☐ An occupant-sensing device controls the area.
☐ The area is a corridor, storeroom, restroom, public lobby or sleeping unit.
☐ Areas that use less than 0.6 Watts/sq.ft.

☐ 9. Automatic lighting shutoff control in buildings larger than 5,000 sq.ft.

Exceptions:

☐ Sleeping units, patient care areas; and spaces where automatic shutoff would endanger safety or security.

☑ 10. Photocell/astronomical time switch on exterior lights.

Exceptions:

☐ Lighting intended for 24 hour use.

☐ 11. Tandem wired one-lamp and three-lamp ballasted luminaires (No single-lamp ballasts).

Exceptions:

☐ Electronic high-frequency ballasts; Luminaires on emergency circuits or with no available pair.

Section 5: Compliance Statement

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

ERIC S. ETTINGER PRESIDENT — Signature — 3/6/2014
Name - Title — Date

STATE OF NEW YORK · ERIC STEVEN ETTINGER · 060293-1 · LICENSED PROFESSIONAL ENGINEER

COM*check* Software Version 3.9.3

Exterior Lighting Compliance Certificate

2010 New York Energy Conservation Construction Code

Section 1: Project Information

Project Type: **New Construction**
Project Title : A HOME FOR HARLEM DOWLING
Exterior Lighting Zone: **2 (Neighborhood business district)**

Construction Site:
2139 ADAM CLAYTON POWELL,JR BLVD
NEW YORK , NY 10027

Owner/Agent:
HARLEM DOWLING
West Side Center For Children And Family Services

Designer/Contractor:
ETTINGER ENGINEERING ASSOCIATES
505 EIGHT AVENUE
NEW YORK, NY 10018

Section 2: Exterior Lighting Area/Surface Power Calculation

A Exterior Area/Surface	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B x C)	F Proposed Watts
FRONT (Illuminated length of facade wall or surface)	100 ft	2.5	No	250	208
BACK (Illuminated length of facade wall or surface)	70 ft	2.5	No	175	182
SIDE (Illuminated length of facade wall or surface)	100 ft	2.5	No	250	182
BACKSIDE (Illuminated length of facade wall or surface)	43 ft	2.5	No	108	104
			Total Tradable Watts* =	0	0
			Total Allowed Watts =	783	
			Total Allowed Supplemental Watts** =	600	

* Wattage tradeoffs are only allowed between tradable areas/surfaces.
** A supplemental allowance equal to 600 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Section 3: Exterior Lighting Fixture Schedule

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
FRONT (Illuminated length of facade wall or surface 100 ft): Non-tradable Wattage				
Compact Fluorescent 1: Triple 4-pin 26W: Electronic:	1	8	26	208
BACK (Illuminated length of facade wall or surface 70 ft): Non-tradable Wattage				
Compact Fluorescent 2: Triple 4-pin 26W: Electronic:	1	7	26	182
SIDE (Illuminated length of facade wall or surface 100 ft): Non-tradable Wattage				
Compact Fluorescent 3: Triple 4-pin 26W: Electronic:	1	7	26	182
BACKSIDE (Illuminated length of facade wall or surface 43 ft): Non-tradable Wattage				
Compact Fluorescent 4: Triple 4-pin 26W: Electronic:	1	4	26	104
			Total Tradable Proposed Watts =	0

Section 4: Requirements Checklist

Lighting Wattage:

☑ 1. Within each non-tradable area/surface, total proposed watts must be less than or equal to total allowed watts. Across all tradable areas/surfaces, total proposed watts must be less than or equal to total allowed watts.
Compliance: Passes using supplemental allowance watts.

Controls, Switching, and Wiring:

☐ 2. All exemption claims are associated with fixtures that have a control device independent of the control of the nonexempt lighting.
☐ 3. Lighting not designated for dusk-to-dawn operation is controlled by either a a photosensor (with time switch), or an astronomical time switch.
☑ 4. Lighting designated for dusk-to-dawn operation is controlled by an astronomical time switch or photosensor.
☐ 5. All time switches are capable of retaining programming and the time setting during loss of power for a period of at least 10 hours.

Exterior Lighting Efficacy:

☑ 6. All exterior building grounds luminaires that operate at greater than 100W have minimum efficacy of 60 lumen/watt.

Exceptions:

☐ Lighting that has been claimed as exempt and is identified as such in Section 3 table above.
☐ Lighting that is specifically designated as required by a health or life safety statue, ordinance, or regulation.
☐ Emergency lighting that is automatically off during normal building operation.
☐ Lighting that is controlled by motion sensor.

Section 5: Compliance Statement

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

ERIC S. ETTINGER PRESIDENT — Signature — 3/6/2014
Name - Title — Date

STATE OF NEW YORK · ERIC STEVEN ETTINGER · 060293-1 · LICENSED PROFESSIONAL ENGINEER

PROJECT:

A Home for Harlem Dowling
2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling
West Side Center for Children and Family Services

ARCHITECT:

THE OFFICE OF SAMIR S. SHAH, ARCHITECT
URBAN | QUOTIENT
231 Front Street
Suite 211
Brooklyn, NY 11201
646.837.5499
info@urbanquotient.com

CONSULTANTS:

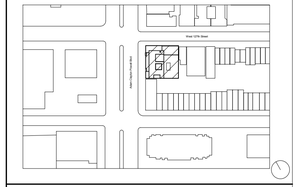
Structural Engineers:

De Nardis Engineering, LLC
15 Reservoir Road
White Plains, NY 10363-2516
Tel: 914.948.8844 Fax: 914.948.8868

MEP Engineers:

Ettinger Engineering Associates
505 Eighth Avenue, 24th Floor
New York, NY 10018
Ph: 212-244-2410
Cell: 516-319-9360
Fax: 212-643-1606

PLOT PLAN



REVISIONS:

1	1/16/2014	ISSUED FOR DOB
2	4/18/2014	ISSUED FOR 95% CD/BID
3	6/19/2014	100% CONSTRUCTION DOCUMENTS

BUILDING DEPARTMENT #:

DRAWING TITLE:

HVAC - ELECTRICAL ENERGY COMPLIANCE

DRAWING #:

EN-02.00

DATE:	DRAWN BY:	JOB #:
03/06/14	JDS	1167
SHEET SCALE: 12" = 1'-0"	CHECKED BY: RC	SHEET:

COM*check* Software Version 3.9.3

Mechanical Compliance Certificate

2010 New York Energy Conservation Construction Code

Section 1: Project Information

Project Type: **New Construction**
Project Title : A Home for Harlem Dowling

Construction Site:	Owner//Agent:	Designer/Contractor:
2139 Adam Clayton Powell, Jr. Blvd New York, NY 10027	Michael McCarthy Alembic Community Development 11 Hanover Square Suite 701 New York, NY 10005	Samir Shah Urban Quotient 231 Front Street Suite 211 Brooklyn, NY 11201

Section 2: General Information

Building Location (for weather data): **New York, New York**
Climate Zone: **4a**

Section 3: Mechanical Systems List

Quantity System Type & Description

1 PTAC-A (Single Zone) :
Heating: 1 each - Hydronic or Steam Coil, Hot Water, Capacity = 10 kBtu/h
No minimum efficiency requirement applies
Cooling: 1 each - Packaged Terminal Unit, Capacity = 8 kBtu/h, Air-Cooled Condenser
Proposed Efficiency = 12.00 EER, Required Efficiency = 10.86 EER
Fan System: None

1 PTAC-B (Single Zone) :
Heating: 1 each - Hydronic or Steam Coil, Hot Water, Capacity = 11 kBtu/h
No minimum efficiency requirement applies
Cooling: 1 each - Packaged Terminal Unit, Capacity = 10 kBtu/h, Air-Cooled Condenser
Proposed Efficiency = 12.00 EER, Required Efficiency = 10.43 EER
Fan System: None

1 PTAC-C (Single Zone) :
Heating: 1 each - Hydronic or Steam Coil, Hot Water, Capacity = 11 kBtu/h
No minimum efficiency requirement applies
Cooling: 1 each - Packaged Terminal Unit, Capacity = 13 kBtu/h, Air-Cooled Condenser
Proposed Efficiency = 11.40 EER, Required Efficiency = 9.77 EER
Fan System: None

1 PTAC-D (Single Zone) :
Heating: 1 each - Hydronic or Steam Coil, Hot Water, Capacity = 13 kBtu/h
No minimum efficiency requirement applies
Cooling: 1 each - Packaged Terminal Unit, Capacity = 14 kBtu/h, Air-Cooled Condenser
Proposed Efficiency = 10.50 EER, Required Efficiency = 9.43 EER
Fan System: None

4 ACCU 1,2,3,4 (Single Zone) : Split System Heat Pump
Heating Mode: Capacity = 216 kBtu/h,
Proposed Efficiency = 3.20 COP, Required Efficiency = 3.20 COP
Cooling Mode: Capacity = 192 kBtu/h, , Air Economizer
Proposed Efficiency = 10.80 EER, Required Efficiency = 10.60 EER
Fan System: None

1 ACCU-5 (Single Zone) :
Cooling: 1 each - Split System, Capacity = 30 kBtu/h, Air-Cooled Condenser

Proposed Efficiency = 15.50 SEER, Required Efficiency = 13.00 SEER
Fan System: None

1 ACCU-6 (Single Zone) :
Cooling: 1 each - Split System, Capacity = 24 kBtu/h, Air-Cooled Condenser
Proposed Efficiency = 17.00 SEER, Required Efficiency = 13.00 SEER
Fan System: None

1 UH-1 (Unknown) :
Heating: 1 each - Unit Heater, Hot Water, Capacity = 12 kBtu/h
No minimum efficiency requirement applies
Fan System: None

1 UH-A (Unknown) :
Heating: 1 each - Unit Heater, Hot Water, Capacity = 8 kBtu/h
No minimum efficiency requirement applies
Fan System: None

1 EH-A (Unknown) :
Heating: 1 each - Unit Heater, Electric, Capacity = 5 kBtu/h
No minimum efficiency requirement applies
Fan System: None

1 EH-B (Unknown) :
Heating: 1 each - Unit Heater, Electric, Capacity = 10 kBtu/h
No minimum efficiency requirement applies
Fan System: None

1 CV-A (Unknown) :
Heating: 1 each - Unit Heater, Hot Water, Capacity = 5 kBtu/h
No minimum efficiency requirement applies
Fan System: None

1 B-1:
Heating: Hot Water Boiler, Capacity 3000 kBtu/h, Gas
Proposed Efficiency: 93.50 % Ec, Required Efficiency: 80.00 % Ec

1 B-2:
Heating: Hot Water Boiler, Capacity 3000 kBtu/h, Gas
Proposed Efficiency: 93.50 % Ec, Required Efficiency: 80.00 % Ec

Section 4: Requirements Checklist

Requirements Specific To: PTAC-A :

- [x] 1. Equipment minimum efficiency: Packaged Terminal DX Unit: 10.86 EER
- [x] 2. Balancing and pressure test connections on all hydronic terminal devices
- [x] 3. Hot water pumping systems with multiple boilers automatically reduce hot water flow rates proportionately when boilers are not operating

Requirements Specific To: PTAC-B :

- [x] 1. Equipment minimum efficiency: Packaged Terminal DX Unit: 10.43 EER
- [x] 2. Balancing and pressure test connections on all hydronic terminal devices
- [x] 3. Hot water pumping systems with multiple boilers automatically reduce hot water flow rates proportionately when boilers are not operating

Requirements Specific To: PTAC-C :

- [x] 1. Equipment minimum efficiency: Packaged Terminal DX Unit: 9.77 EER
- [x] 2. Balancing and pressure test connections on all hydronic terminal devices
- [x] 3. Hot water pumping systems with multiple boilers automatically reduce hot water flow rates proportionately when boilers are not operating

Requirements Specific To: PTAC-D :

- [x] 1. Equipment minimum efficiency: Packaged Terminal DX Unit: 9.43 EER
- [x] 2. Balancing and pressure test connections on all hydronic terminal devices
- [x] 3. Hot water pumping systems with multiple boilers automatically reduce hot water flow rates proportionately when boilers are not operating

Requirements Specific To: ACCU 1,2,3,4 :

- [x] 1. Equipment minimum efficiency: Heat Pump: 3.20 COP 10.60 EER
- [x] 2. Integrated economizer is required for this location and system.
- [ ] 3. Cooling system provides a means to relieve excess outdoor air during economizer operation.

Requirements Specific To: ACCU-5 :

- [x] 1. Equipment minimum efficiency: Split System: 13.00 SEER

Requirements Specific To: ACCU-6 :

- [x] 1. Equipment minimum efficiency: Split System: 13.00 SEER

Requirements Specific To: UH-1 :

- [x] 1. Balancing and pressure test connections on all hydronic terminal devices

Requirements Specific To: UH-A :

- [x] 1. Balancing and pressure test connections on all hydronic terminal devices

Requirements Specific To: EH-A :

None

Requirements Specific To: EH-B :

None

Requirements Specific To: CV-A :

- [x] 1. Balancing and pressure test connections on all hydronic terminal devices

Requirements Specific To: B-1 :

- [x] 1. Equipment minimum efficiency: Boiler Combustion Efficiency 80% Ec
- [x] 2. Two-pipe changeover heating/cooling controls must have:
  a) 15 degrees F deadband where boiler and chiller can not operate,
  b) allow operation in either heating or cooling for at least 4 hrs. and
  c) prevent difference between heating and cooling set points greater than 30 degrees F
  Exception(s):
  - [ ] Air/evap condenser and extensive outside-air filtration
- [x] 3. Newly purchased heating equipment meets the efficiency requirements
  - used equipment must meet 80% Et @ maximum capacity
- [x] 4. Systems with multiple boilers have automatic controls capable of sequencing boiler operation
- [x] 5. Hydronic heating systems comprised of a single boiler and >500 kBtu/h input design capacity include either a multistaged or modulating burner

Requirements Specific To: B-2 :

- [x] 1. Equipment minimum efficiency: Boiler Combustion Efficiency 80% Ec
- [x] 2. Two-pipe changeover heating/cooling controls must have:
  a) 15 degrees F deadband where boiler and chiller can not operate,
  b) allow operation in either heating or cooling for at least 4 hrs. and
  c) prevent difference between heating and cooling set points greater than 30 degrees F
  Exception(s):
  - [ ] Air/evap condenser and extensive outside-air filtration
- [x] 3. Newly purchased heating equipment meets the efficiency requirements
  - used equipment must meet 80% Et @ maximum capacity
- [x] 4. Systems with multiple boilers have automatic controls capable of sequencing boiler operation
- [x] 5. Hydronic heating systems comprised of a single boiler and >500 kBtu/h input design capacity include either a multistaged or modulating burner

Generic Requirements: Must be met by all systems to which the requirement is applicable:

- [x] 1. Plant equipment and system capacity no greater than needed to meet loads
  Exception(s):
  - [ ] Standby equipment automatically off when primary system is operating
  - [x] Multiple units controlled to sequence operation as a function of load
- [x] 2. Minimum one temperature control device per system
- [ ] 3. Minimum one humidity control device per installed humidification/dehumidification system
- [x] 4. Load calculations per ASHRAE/ACCA Standard 183.
- [x] 5. Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-hour occupant override, 10-hour backup
  Exception(s):
  - [x] Continuously operating zones
- [x] 6. Outside-air source for ventilation; system capable of reducing OSA to required minimum
- [x] 7. R-5 supply and return air duct insulation in unconditioned spaces
  R-8 supply and return air duct insulation outside the building
  R-8 insulation between ducts and the building exterior when ducts are part of a building assembly
  Exception(s):
  - [x] Ducts located within equipment

- [ ] Ducts with interior and exterior temperature difference not exceeding 15°F.
- [ ] 8. Mechanical fasteners and sealants used to connect ducts and air distribution equipment
- [ ] 9. Ducts sealed - longitudinal seams on rigid ducts; transverse seams on all ducts; UL 181A or 181B tapes and mastics
- [x] 10. Hot water pipe insulation: 1.5 in. for pipes <=1.5 in. and 2 in. for pipes >1.5 in.
  Chilled water/refrigerant/brine pipe insulation: 1.5 in. for pipes <=1.5 in. and 1.5 in. for pipes >1.5 in.
  Steam pipe insulation: 1.5 in. for pipes <=1.5 in. and 3 in. for pipes >1.5 in.
  Exception(s):
  - [ ] Piping within HVAC equipment.
  - [ ] Fluid temperatures between 55 and 105°F.
  - [ ] Fluid not heated or cooled with renewable energy.
  - [ ] Piping within room fan-coil (with AHRI440 rating) and unit ventilators (with AHRI840 rating).
  - [ ] Runouts <4 ft in length.
- [x] 11. Operation and maintenance manual provided to building owner
- [x] 12. Thermostatic controls have 5°F deadband
  Exception(s):
  - [x] Thermostats requiring manual changeover between heating and cooling
  - [ ] Special occupancy or special applications where wide temperature ranges are not acceptable and are approved by the authority having jurisdiction.
- [x] 13. Hot water distribution systems >= 300 kBtu/h must have one of the following:
  a) controls that reset supply water temperature by 25% of supply/return delta T
  b) mechanical or electrical adjustable-speed pump drive(s)
  c) two-way valves at all heating coils
  d) multiple-stage pumps
  e) other system controls that reduce pump flow by at least 50% based on load
  - calculations required
  Exception(s):
  - [ ] Where the supply temperature reset controls cannot be implemented without causing improper operation of heating, cooling, humidification, or dehumidification systems.
  - [ ] Hydronic systems that use variable flow to reduce pumping energy.
- [ ] 14. Balancing devices provided in accordance with IMC 603.17
- [ ] 15. Demand control ventilation (DCV) present for high design occupancy areas (>40 person/1000 ft2 in spaces >500 ft2) and served by systems with any one of 1) an air-side economizer, 2) automatic modulating control of the outdoor air damper, or 3) a design outdoor airflow greater than 3000 cfm.
  Exception(s):
  - [ ] Systems with heat recovery.
  - [ ] Multiple-zone systems without DDC of individual zones communicating with a central control panel.
  - [ ] Systems with a design outdoor airflow less than 1200 cfm.
  - [ ] Spaces where the supply airflow rate minus any makeup or outgoing transfer air requirement is less than 1200 cfm.
- [x] 16. Motorized, automatic shutoff dampers required on exhaust and outdoor air supply openings
  Exception(s):
  - [x] Gravity dampers acceptable in buildings <3 stories
- [x] 17. Automatic controls for freeze protection systems present
- [x] 18. Three-pipe systems not used
- [ ] 19. Exhaust air heat recovery included for systems 5,000 cfm or greater with more than 70% outside air fraction or specifically exempted
  Exception(s):
  - [ ] Hazardous exhaust systems, commercial kitchen and clothes dryer exhaust systems that the International Mechanical Code prohibits the use of energy recovery systems.
  - [ ] Systems serving spaces that are heated and not cooled to less than 60°F.
  - [ ] Where more than 60 percent of the outdoor heating energy is provided from site-recovered or site solar energy.
  - [ ] Heating systems in climates with less than 3600 HDD.
  - [ ] Cooling systems in climates with a 1 percent cooling design wet-bulb temperature less than 64°F.
  - [ ] Systems requiring dehumidification that employ energy recovery in series with the cooling coil.
  - [ ] Laboratory fume hood exhaust systems that have either a variable air volume system capable of reducing exhaust and makeup air volume to 50 percent or less of design values or, a separate make up air supply meeting the following makeup air requirements: a) at least 75 percent of exhaust flow rate, b) heated to no more than 2°F below room setpoint temperature, c) cooled to no lower than 3°F above room setpoint temperature, d) no humidification added, e) no simultaneous heating and cooling.

Section 5: Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2010 New York Energy Conservation Construction Code requirements in COMCHECK as specified to comply with the mandatory requirements in the Requirements Checklist.

ERIC S. RITTINGER PRESIDENT — 5/29/14
Name - Title — Signature — Date

STATE OF NEW YORK · STEVEN ETTINGER · 088242 · LICENSED PROFESSIONAL ENGINEER

Section 6: Post Construction Compliance Statement

- [ ] HVAC record drawings of the actual installation, system balancing, operation, and performance data for each equipment provided to the owner.
- [ ] HVAC O&M documents for all mechanical equipment and systems delivered to the owner by the mechanical contractor.
- [ ] Written HVAC balancing and operations report provided to the owner.

The above post construction requirements have been completed.

Principal Mechanical Designer-Name — Signature — Date

NOTES:

1. IN ACCORDANCE WITH SECTION 502.4 OF THE 2010 ENERGY CONSERVATION CODE OF NEW YORK STATE, THE AIR LEAKAGE OF WINOW AND SLIDING OR SWINGING DOOR ASSEMBLIES THAT ARE PART OF THE BUILDING ENVELOPE SHALL BE DETERMINED IN ACCORDANCE WITH AAMA/WDMA/CSA 101/I.S.2/A440. OR NFRC 400 BY AN ACCREDITED, INDEPENDANT LABORATORY. AND LABELED AND CERTIFIED BY THE MANUFACTURER AND SHALL NOT EXCEED 0.3 CFM/SF, AND SWINGING DOORS NO MORE THAN 0.5 CFM/SF.
2. DESIGN LOADS DETERMINED IN ACCORDANCE WITH THE PROCEDURES DESCRIBED IN THE ASHRAE/ACCA 183. HEATING AND COOLING LOADS ADJUSTED TO ACCOUNT FOR LOAD REDUCTIONS THAT ARE ACHIEVED WHEN ENERGY RECOVERY SYSTEMS ARE UTILIZED IN THE HVAC SYSTEM IN ACCORDANCE WITH THE ASHRAE HVAC SYSTEMS AND EQUIPMENT HANDBOOK.
3. EQUIPMENT MEETS MINIMUM EFFICIENCY REQUIREMENTS OF TABLES REPRESENTED IN SECTION 502.3 OF THE ENERGY CONSERVATION CODE.
4. THERMOSTATIC CONTROLS ARE USED IN ACCORDANCE WITH CODE AS EXPRESSED IN THE NEW YORK ENERGY CODE NOTES ON DRAWING M-001.
5. BOTH OUTDOOR AIR SUPPLY AND EXHAUST DUCTS EQUIPPED WITH MOTORIZED DAMPERS THAT WILL AUTOMATICALLY SHUT WHEN THE SYSTEMS OR SPACES SERVED ARE NOT IN USE IN ACCORDANCE WITH SECTION 503.2.4.4. DRAWING M-001 EXPRESSES THE EXEMPTIONS WITH GRAVITY DAMPERS IN CERTAIN CIRCUMSTANCES.
6. AS EXPRESSED IN SECTION 503.2.7, ALL SUPPLY AND RETURN AIR DUCTS AND PLENUMS SHALL BE INSULATED WITH MINIMUM OF R-5 INSULATION WHEN LOCATED IN UNCONDITIONED SPACES AND WITH A MINIMUM OF R-8 INSULATION WHEN LOCATED OUTSIDE THE BUILDING. WHEN LOCATED WITHIN A BUILDING ENVELOPE ASSEMBLY, THE DUCT OR PLENUM SHALL BE SEPARAED FROM THE BUILDING EXTERIOR OR UNCONDITIONED OR EXEMPT SPACES BY A MINIMUM OF R-8 INSULATION. EXCEPTIONS MAY EXIST WHEN LOCATED WITHIN EQUIPMENT. ALL DUCTS, AIR HANDLERS AND FILTER BOXES SHALL BE SEALED.
7. AS REQUIRED IN SECTION 503.2.9.3, THE CONSTRUCTION DOCUMENTS REQUIRE THAT AN OPERATING AND MAINTENANCE MANUAL BE PROVIDED TO THE BUILDING OWNER BY THE MECHANICAL CONTRACTOR. M-001 NOTES EXPLAIN WHAT THIS CONSISTS OF.
8. AS EXPRESSED IN SECTION 503.3.1, SUPPLY AIR ECONOMIZERS SHALL BE PROVIDED ON EACH COOLING SYSTEM WHERE THE SYSTEM IS GREATER THAN OR EQUAL TO 54,000 BTU/H. ECONOMIZERS SHALL BE CAPABLE OF OPERATING AT 100% OUTSIDE AIR, EVEN IF ADDITIONAL COOLING IS REQUIRED TO MEET THE COOLING LOAD OF THE BUILDING.
9. AS PER THE NEW YORK CITY ENERGY CONSERVATION CODE, CHAPTER 2000-01 (g)(2) STATES THAT A NARRATIVE IS TO PROVIDED FOR EACH MANDATORY CONTROL SYSTEM DESCRIBING ITS FUNCTION AND OPERATION.
   - 9.1 MARKEL E3323TD-RP AND HF3326TD-RP ELECTRIC HEATERS SHALL HAVE AS A STANDARD, A THERMAL OBERLOAD CUT-OFF FOR ADDED SAFETY. FAN DELAY SWITCH AND BUILT IN TEMPERPROOF THERMOSTAT WHICH SHALL BE CALIBRATED TO PROVIDE A RANGE OF 55 DEG. F. TO 85 DEG F. AND MANUAL DISCONNECT SWITCH. PROVIDE SURFACE MOUNTING FRAME.
   - 9.2 MITSUBISHI ELECTRIC P-SERIES HEAT PUMPS UTILIZE A WIRELESS WALL-MOUNTED REMOTE CONTROLLER KIT (MHK-1).
   - 9.3 ICE-AIR RSNU SERIES PTAC UNITS CONTROLS TO INCLUDE DIFITAL CONTROLLER WITH INTEGRAL ELECTRONIC THERMOSTAT. CONTROLLER TO BE SEVEN-DAY PROGRAMMABLE TYPE. INCLUDE STANDARD LOW-TEMPERATURE CONTROL TO ACTIVATE MOTORIZED HEATING CONTROL VALVE BELOW 45 DEG. F. INTERIOR ROOM TEMPERATURE, AND FREEZESTAT TO BE MOUNTED ON THE EVAPORATOR COIL ONLY.
   - 9.4 APPLIED ENVIRONMENTAL AIR 24ASHW2 AIR HANDLING UNIT SHOULD BE PROVIDED WITH DUCT MOUNTED THERMOSTAT SENSOR TO BE LOCATED ON THE DISCHARGE SUPPLY DUCTWORK. CONTRACTORS SHALL PROVIDE WALL MOUNTED CONTROLLER LOCATION IN BOILER ROOM WITHIN LOCKABLE TYPE COVER. FREEZESTAT SAFETY AND HIGH EFFICIENCY MOTOR TO BE PROVIDED.
   - 9.5 RITTLING UNIT HEATERS RH SERIES SHALL BE THERMOSTATICALY CONTROLLED AND PROVIDED WITH HIGH-MED-LOW FAN SPEED SWITCH CONTROL.
10. WATER HEATING EQUIPMENT AND HOT WATER STORAGE TANKS SHALL MEET THE REUIREMENTS OF TABLE 504.2 OF THE ENERGY CODE. THE EFFICIENCY IS VERIFIED THROUGH DATA RECEIVED BY THE MANUFACTURER.
11. AUTOMATIC CIRCULATING HOT WATER SYSTEM PUMPS OR HEAT TRACE SHALL BE ARRANGED TO BE CONVENIENTLY TURNED OFF AUTOMATICALLY OR MANUALLY WHEN THE HOT WATER YSTSEM IS NOT IN OPERATION. THIS IS DONE SO WITH DIRECTION FROM SECTION 504.6.

PROJECT:

A Home for Harlem Dowling
2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling
West Side Center for Children and Family Services

ARCHITECT:

THE OFFICE OF
SAMIR S. SHAH, ARCHITECT
URBAN | QUOTIENT
231 Front Street
Suite 211
Brooklyn, NY 11201
646.837.5499
info@urbanquotient.com

CONSULTANTS:

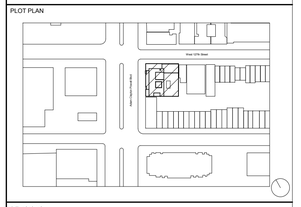
Structural Engineers:

De Nardis Engineering, LLC
15 Reservoir Road
White Plains, NY 10363-2516
Tel: 914.948.8844 Fax: 914.948.8868

MEP Engineers:

Ettinger Engineering Associates
505 Eighth Avenue, 24th Floor
New York, NY 10018
Ph: 212-244-2410
Cell: 516-319-9360
Fax: 212-643-1606

PLOT PLAN



REVISIONS:

1	1/16/2014	ISSUED FOR DOB
2	4/18/2014	ISSUED FOR 95% CD/BID
3	6/19/2014	100% CONSTRUCTION DOCUMENTS

BUILDING DEPARTMENT #:

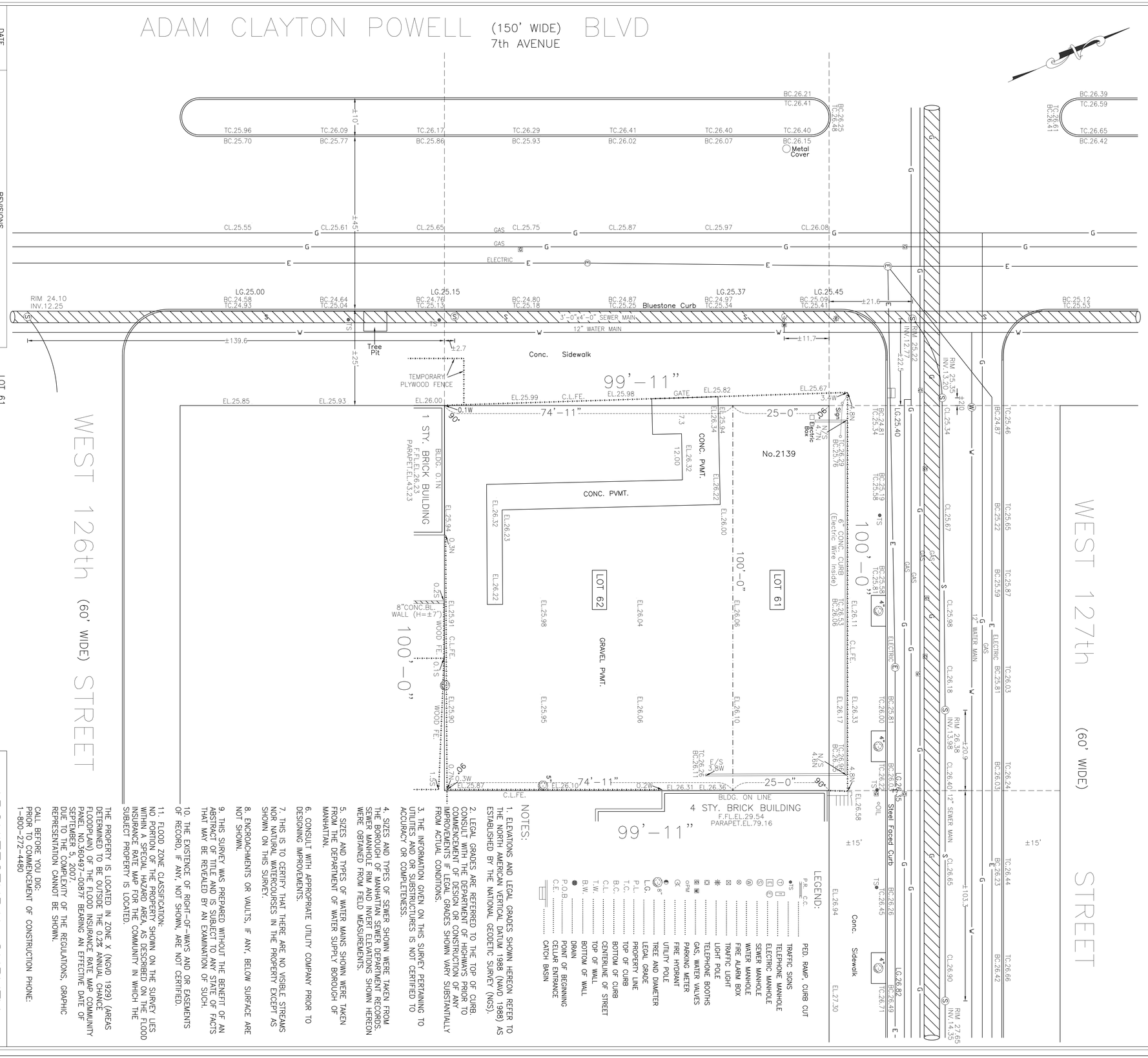
DRAWING TITLE:

HVAC-MECHANICAL ENERGY COMPLIANCE

DRAWING #:

EN-03.00

DATE:	DRAWN BY:	JOB #:
03/06/14	JDS	1167
SHEET SCALE:	CHECKED BY:	SHEET:
12" = 1'-0"	WA	



DATE	REVISIONS
10/17/2013	UPDATED
05/12/2014	UPDATED AND DATUM CHANGE

LOT 61
AREA=2,500.0 SQ.FT=0.0574 ACRES
LOT 62
AREA=7,492.0 SQ.FT=0.1720 ACRES
TOTAL AREA
AREA=9,992 SQ.FT.=0.2294 ACRES

THE EXISTENCE OF RIGHT-OF-WAYS AND/OR EASEMENTS OF RECORD, IF ANY, NOT SHOWN HEREON, ARE NOT CERTIFIED.
ENCROACHMENTS OR VAULTS, IF ANY, BELOW SURFACE ARE NOT SHOWN.

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS SURVEY IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW. COPIES OF THIS SURVEY MAP NOT BEARING THE LAND SURVEYORS INKED SEAL OR EMBOSSED SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY. GUARANTEES OR CERTIFICATIONS INDICATED HEREON SHALL RUN ONLY TO THE PERSON FOR WHOM THE SURVEY IS PREPARED AND ON HISBEHALF TO THE TITLE COMPANY, GOVERNMENTAL AGENCY AND LENDING INSTITUTION LISTED HEREON, AND TO THE ASSIGNEES OF THE LENDING INSTITUTION. GUARANTEES OR CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS.

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NOTES:

1. ELEVATIONS AND LEGAL GRADES SHOWN HEREON REFER TO THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 1988) AS ESTABLISHED BY THE NATIONAL GEODETIC SURVEY (NGS).
2. LEGAL GRADES ARE REFERRED TO THE TOP OF CURB. CONSULT WITH THE DEPARTMENT OF HIGHWAYS PRIOR TO COMMENCEMENT OF DESIGN OR CONSTRUCTION OF ANY IMPROVEMENTS IF LEGAL GRADES SHOWN VARY SUBSTANTIALLY FROM ACTUAL CONDITIONS.
3. THE INFORMATION GIVEN ON THIS SURVEY PERTAINING TO UTILITIES AND OR SUBSTRUCTURES IS NOT CERTIFIED TO ACCURACY OR COMPLETENESS.
4. SIZES AND TYPES OF SEWER SHOWN WERE TAKEN FROM THE BOROUGH OF MANHATTAN SEWER DEPARTMENT RECORDS. SEWER MANHOLE RIM AND INVERT ELEVATIONS SHOWN HEREON WERE OBTAINED FROM FIELD MEASUREMENTS.
5. SIZES AND TYPES OF WATER MAINS SHOWN WERE TAKEN FROM THE DEPARTMENT OF WATER SUPPLY BOROUGH OF MANHATTAN.
6. CONSULT WITH APPROPRIATE UTILITY COMPANY PRIOR TO DESIGNING IMPROVEMENTS.
7. THIS IS TO CERTIFY THAT THERE ARE NO VISIBLE STREAMS NOR NATURAL WATERCOURSES IN THE PROPERTY EXCEPT AS SHOWN ON THIS SURVEY.
8. ENCROACHMENTS OR VAULTS, IF ANY, BELOW SURFACE ARE NOT SHOWN.
9. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE AND IS SUBJECT TO ANY STATE OF FACTS THAT MAY BE REVEALED BY AN EXAMINATION OF SUCH.
10. THE EXISTENCE OF RIGHT-OF-WAYS AND OR EASEMENTS OF RECORD, IF ANY, NOT SHOWN, ARE NOT CERTIFIED.
11. FLOOD ZONE CLASSIFICATION:
NO PORTION OF THE PROPERTY SHOWN ON THE SURVEY LIES WITHIN A SPECIAL HAZARD AREA, AS DESCRIBED ON THE FLOOD INSURANCE RATE MAP FOR THE COMMUNITY IN WHICH THE SUBJECT PROPERTY IS LOCATED.

THE PROPERTY IS LOCATED IN ZONE X (NGVD 1929) (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) OF THE FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO.360497-0087F BEARING AN EFFECTIVE DATE OF SEPTEMBER 5, 2007.
DUE TO THE COMPLEXITY OF THE REGULATIONS, GRAPHIC REPRESENTATION CANNOT BE SHOWN.

CALL BEFORE YOU DIG:
PRIOR TO COMMENCEMENT OF CONSTRUCTION PHONE:
1-800-272-4480

DRAWN BY AP/G.N./CM

SEAL

ARCHITECTURAL SURVEY

TAX SECT.: 7 | TAX BLOCK: 1911 | TAX LOT(S): 61,62

MAP OF PROPERTY AT

MANHATTAN

NEW YORK COUNTY, NEW YORK

JOSEPH NICOLETTI ASSOCIATES
PROFESSIONAL LAND SURVEYORS, P.C.
499 JERICHO TURNPIKE, SUITE 201
MINEOLA, NEW YORK 11501
516-873-7278

DATE: 03.29.11 | SCALE: 1"=16' | REF.NO.: M1911-015

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling
West Side Center for Children and Family Services

ARCHITECT:

THE OFFICE OF
SAMIR S. SHAH, ARCHITECT
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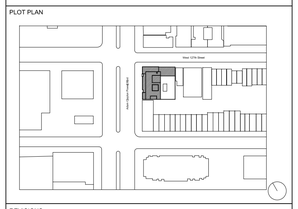
PLOT PLAN



REVISIONS:

06/19/2014 100% Set Issued for Review

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

Topographic Survey

DRAWING #:

TS001.00

DATE:	DRAWN BY:	JOB #:
06/19/2014	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
NTS	SSS	

TECTONIC *ENGINEERING & SURVEYING CONSULTANTS P.C.*

PROJECT No. **5890.01**
PROJECT: **Home for Harlem Dowling**
LOCATION: **Harlem, NY**

BORING No. B-1

SHEET No. 1 of 2

CLIENT: **Alembic Development Co.**
CONTRACTOR: **General Borings, Inc.**

GROUND WATER	DATE	TIME	DEPTH
	8/19/11	11:15 am	16'

INSPECTOR: **Adam Watson**
DRILLER: **Tom McGovern**
SURFACE ELEVATION: **24.0**
DATUM: **See Remarks**
DATE START: **8/19/11**
DATE FINISH: **8/19/11**

METHOD OF ADVANCING BORING	DIA.	DEPTH
POWER AUGER:	3 1/4"	0 TO 40'
ROT. DRILL:		TO
CASING:		TO
DIAMOND CORE:		TO

Mobile B-53 Track Rig with Wrench Hammer

MON. WELL ☐ YES ☒ NO
SCREEN DEPTH: --- TO ---
WEATHER: TEMP:
DEPTH TO ROCK: **Not Encountered'**
*CHANGES IN STRATA ARE INFERRED

UNCONFINED COMPRESS. STRENGTH (TONS/FT) 1 2 3 4 5

DEPTH (FT.)	N OR MIN./FT.	PENETRATION RESISTANCE (BLS/6 IN.)	SAMPLE NUMBER	RECOV. LENGTH (IN.)	RECOV. RQD (%)	MOISTURE	UNIFIED SOIL CLASS.	DESCRIPTION OF MATERIAL	ELEVATION (FT.)
1	4	4 2 2 2	S-1	5		D		Asphalt & Brick fragments (FILL) (Class 7)	
3	6	3 2 4 1	S-2	5		D		Same with wood (FILL) (Class 7)	
6	8	2 3 5 5	S-3	6		M		Same (FILL) (Class 7)	19.0
8	34	8 19 15 13	S-4	15		M		Same (FILL) (Class 7)	
9							SP	Bwn c-f SAND, trace Silt (Class 3A)	
11	33	4 19 14 50/4	S-5	12		M	SP	Rd-bwn c-f SAND, and f Gravel, trace Silt (Class 3A)	14.0
16	23	12 14 9 10	S-6	8		W	SP	Bwn c-f GRAVEL, some c-f Sand (Class 3B) ▼	9.0
21	25	6 10 15 18	S-7	8		W	SP	Bwn c-f SAND, trace Silt (Class 3B)	4.0
25									-1.0

REMARKS: Surface elevations estimated to the nearest half foot based on spot elevations from the drawing titled, Architectural Survey, Map Property at Manhattan, New York County, NY, dated 3/29/11, by Joseph Nocoletti Associates Professional Land Surveyors, P.C.

BORING LOG 5890.01.GPJ TECTONIC ENG.GDT 9/26/11

TECTONIC *ENGINEERING & SURVEYING CONSULTANTS P.C.*

PROJECT No. **5890.01**
PROJECT: **Home for Harlem Dowling**
LOCATION: **Harlem, NY**

BORING No. B-1

SHEET No. 2 of 2

CLIENT: **Alembic Development Co.**
CONTRACTOR: **General Borings, Inc.**

UNCONFINED COMPRESS. STRENGTH (TONS/FT) 1 2 3 4 5

DEPTH (FT.)	N OR MIN./FT.	PENETRATION RESISTANCE (BLS/6 IN.)	SAMPLE NUMBER	RECOV. LENGTH (IN.)	RECOV. RQD (%)	MOISTURE	UNIFIED SOIL CLASS.	DESCRIPTION OF MATERIAL	ELEVATION (FT.)
26	13	3 4 9 7	S-8	15		W	SP	Same (Class 3B)	
30									-6.0
31	24	3 9 15 17	S-9	5		W	SM	Bwn c-f SAND, some f Gravel, little Silt (Class 3B)	
35									-11.0
36	11	3 6 5 11	S-10	18		W	SM	Bwn SILT, little f Sand (Class 5B)	
40									-16.0
41	12	2 4 8 17	S-11	4		W	SP	Bwn c-f SAND, trace Silt (Class 3B)	
								End of Boring at 42'	
45									-21.0
50									-26.0
55									-31.0

REMARKS: Surface elevations estimated to the nearest half foot based on spot elevations from the drawing titled, Architectural Survey, Map Property at Manhattan, New York County, NY, dated 3/29/11, by Joseph Nocoletti Associates Professional Land Surveyors, P.C.

BORING LOG 5890.01.GPJ TECTONIC ENG.GDT 9/26/11

TECTONIC *ENGINEERING & SURVEYING CONSULTANTS P.C.*

PROJECT No. **5890.01**
PROJECT: **Home for Harlem Dowling**
LOCATION: **Harlem, NY**

BORING No. B-2

SHEET No. 1 of 2

CLIENT: **Alembic Development Co.**
CONTRACTOR: **General Borings, Inc.**

GROUND WATER	DATE	TIME	DEPTH

INSPECTOR: **Adam Watson**
DRILLER: **Tom McGovern**
SURFACE ELEVATION: **24.5**
DATUM: **See Remarks**
DATE START: **8/19/11**
DATE FINISH: **8/19/11**

METHOD OF ADVANCING BORING	DIA.	DEPTH
POWER AUGER:	3 1/4"	TO
ROT. DRILL:		TO
CASING:		TO
DIAMOND CORE:		TO

Mobile B-53 Track Rig with Wrench Hammer

MON. WELL ☐ YES ☒ NO
SCREEN DEPTH: --- TO ---
WEATHER: TEMP:
DEPTH TO ROCK: ---
*CHANGES IN STRATA ARE INFERRED

UNCONFINED COMPRESS. STRENGTH (TONS/FT) 1 2 3 4 5

DEPTH (FT.)	N OR MIN./FT.	PENETRATION RESISTANCE (BLS/6 IN.)	SAMPLE NUMBER	RECOV. LENGTH (IN.)	RECOV. RQD (%)	MOISTURE	UNIFIED SOIL CLASS.	DESCRIPTION OF MATERIAL	ELEVATION (FT.)
1	10	6 5 5 4	S-1	8		M		Brick & asphalt (FILL) (Class 7)	
3	3	4 2 1 1	S-2	4		M		Same (FILL) (Class 7)	
6	39	2 36 3 4	S-3	6		M		Same (FILL) (Class 7)	19.5
7	50+	50/3	S-4	3		M		Same (FILL) (Class 7)	
11	56	8 15 41 50/4	S-5	8		M	SP	Bwn c-f SAND, and Gravel (Class 3A)	14.5
16	30	11 15 15 8	S-6	5		W	SP	Bwn c-f SAND, trace f Gravel (Class 3A)	9.5
21	10	2 3 7 11	S-7	12		W	SP	Bwn c-f SAND (Class 3B)	4.5
25									-0.5

REMARKS: Surface elevations estimated to the nearest half foot based on spot elevations from the drawing titled, Architectural Survey, Map Property at Manhattan, New York County, NY, dated 3/29/11, by Joseph Nocoletti Associates Professional Land Surveyors, P.C.

BORING LOG 5890.01.GPJ TECTONIC ENG.GDT 9/26/11

TECTONIC *ENGINEERING & SURVEYING CONSULTANTS P.C.*

PROJECT No. **5890.01**
PROJECT: **Home for Harlem Dowling**
LOCATION: **Harlem, NY**

BORING No. B-2

SHEET No. 2 of 2

CLIENT: **Alembic Development Co.**
CONTRACTOR: **General Borings, Inc.**

UNCONFINED COMPRESS. STRENGTH (TONS/FT) 1 2 3 4 5

DEPTH (FT.)	N OR MIN./FT.	PENETRATION RESISTANCE (BLS/6 IN.)	SAMPLE NUMBER	RECOV. LENGTH (IN.)	RECOV. RQD (%)	MOISTURE	UNIFIED SOIL CLASS.	DESCRIPTION OF MATERIAL	ELEVATION (FT.)
26	7	1 3 4 4	S-8	14		W	SP	Same (Class 6)	
30									-5.5
31	20	4 8 12 14	S-9	18		W	SP	Bwn f SAND, trace Silt (Class 3B)	
35									-10.5
36	18	3 8 10 16	S-10	24		W	ML	Bwn SILT, little f Sand (Class 5B)	
40									-15.5
41	35	10 15 20 19	S-11	12		W	SP	Bwn c-f SAND (Class 3A)	
45									-20.5
46	15	3 5 10 18	S-12	15		W	SP	Bwn c-f SAND, trace Silt (Class 3B)	
50									-25.5
51	16	13 8 8 32	S-13	12		W	SP	Bwn c-f SAND (Class 3B)	
								End of Boring at 52'	
55									-30.5

REMARKS: Surface elevations estimated to the nearest half foot based on spot elevations from the drawing titled, Architectural Survey, Map Property at Manhattan, New York County, NY, dated 3/29/11, by Joseph Nocoletti Associates Professional Land Surveyors, P.C.

BORING LOG 5890.01.GPJ TECTONIC ENG.GDT 9/26/11

TECTONIC

LEGEND FOR SOIL DESCRIPTION

COARSE GRAINED SOIL: (Coarser than No. 200 sieve)

DESCRIPTIVE TERM & GRAIN SIZE

TERM	SAND	GRAVEL
coarse - c	No. 4 Sieve to No. 10 Sieve	3" to 3/4"
medium - m	No. 10 Sieve to No. 40 Sieve	
fine - f	No. 40 Sieve to No. 200 Sieve	3/4" to 3/16"

COBBLES 3" to 10" **BOULDERS** 10" +

GRADATION DESIGNATIONS	PROPORTIONS OF COMPONENT
fine, f	Less than 10% coarse to medium
medium to fine, m-f	Less than 10% coarse
medium, m	Less than 10% coarse and fine
coarse to medium, c-m	less than 10% fine
coarse, c	Less than 10% medium and fine
coarse to fine, c-f	All greater than 10%

FINE GRAINED SOIL: (Finer than No. 200 Sieve)

DESCRIPTION	PLASTICITY INDEX	PLASTICITY
Silt	0 - 1	none
Clayey Silt	2 - 5	slight
Silt & Clay	6 - 10	low
Clay & Silt	11 - 20	medium
Silty Clay	21 - 40	high
Clay	greater than 40	very high

PROPORTION:

DESCRIPTIVE TERM	PERCENT OF SAMPLE WEIGHT
trace	1 - 10
little	10 - 20
some	20 - 35
and	35 - 50

The primary component is fully capitalized

COLOR:

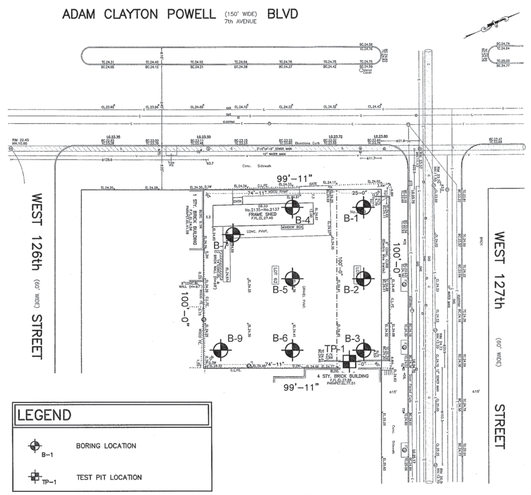
Blue - blue	Gy - gray	Wh - white
Blk - black	Or - orange	Yl - yellow
Bwn - brown	Rd - red	Lgt - light
Gn - green	Tn - tan	Dk - dark

SAMPLE NOTATION:

S - Split Spoon Soil Sample	WOC - Weight of Casing
U - Undisturbed Tube Sample	WOR - Weight of Rods
C - Core Sample	WOH - Weight of Hammer
B - Bulk Soil Sample	PPR - Compressive Strength based on Pocket Pentrometer
NR - No Recovery of Sample	TV - Shear Strength (tsf) based on Torvane

ADDITIONAL CLASSIFICATIONS:

New York City Building Code soil classifications are given in parentheses at the end of each description of material, if applicable. See Sections 1804.2 of the 2008 Building Code for further details.



NOTES

1. PLAN BASED ON ARCHITECTURAL SURVEY, MAP OF PROPERTY AT MANHATTAN, NEW YORK COUNTY, NEW YORK, DATED 3-29-11, BY JOSEPH NICOLETTI ASSOCIATES PROFESSIONAL LAND SURVEYORS, P.C.
2. ALL BORING AND TEST PIT LOCATIONS ARE APPROXIMATE.

NOTE: ELEVATIONS AND LEGAL GRADES SHOWN HEREON REFER TO THE BOROUGH OF MANHATTAN HIGHWAY DATUM WHICH IS 2.75 FEET ABOVE MEAN SEE LEVEL DATUM OF 1929 AT SANDY HOOK, N.J., AS ESTABLISHED BY THE U.S. COAST AND GEODETIC SURVEY.

THIS DATUM IS 1.65 FEET LOWER THAN THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 1988) AS ESTABLISHED BY THE NATIONAL GEODETIC SURVEY (NGS).

PROJECT:

A Home for Harlem Dowling
2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling
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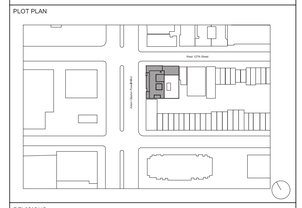
Fax: 212-643-1606

PLOT PLAN



REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

Soil Borings

DRAWING #:

SB001.00

DATE:	DRAWN BY:	JOB #:
06/19/2014	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
	SSS	

TECTONIC *ENGINEERING & SURVEYING CONSULTANTS P.C.*

PROJECT No. **5890.01**
PROJECT: **Home for Harlem Dowling**
LOCATION: **Harlem, NY**

BORING No. B-3

SHEET No. 1 of 2

CLIENT: **Alembic Development Co.**
CONTRACTOR: **General Borings, Inc.**
METHOD OF ADVANCING BORING | DIA. | DEPTH
POWER AUGER: 3 1/4" | 0 TO 45'
ROT. DRILL: | TO
CASING: | TO
DIAMOND CORE: | TO
Mobile B-53 Track Rig with Wrench Hammer

GROUND WATER: DATE | TIME | DEPTH
MON. WELL ☐ YES ☒ NO
SCREEN DEPTH: --- TO ---
WEATHER: TEMP:
DEPTH TO ROCK: ---
*CHANGES IN STRATA ARE INFERRED

INSPECTOR: **Adam Watson**
DRILLER: **Tom McGovern**
SURFACE ELEVATION: **24.5**
DATUM: **See Remarks**
DATE START: **8/18/11**
DATE FINISH: **8/18/11**

DEPTH (FT.)	N OR MIN./FT.	PENETRATION RESISTANCE (BLS/ 6 IN.)	SAMPLE NUMBER	RECOV. LENGTH (IN.)	RECOV. RQD (%)	MOISTURE	UNIFIED SOIL CLASS.	DESCRIPTION OF MATERIAL	ELEVATION (FT.)
								1.5" Asphalt	
2	10	2 3 7 8	S-1	8		M		little c-f GRAVEL, brick (FILL) (Class 7)	
4	31	7 12 19 8	S-2	1		M		Same (FILL) (Class 7)	
6	10	13 5 5 5	S-3	2		M		Gy-blk c-f SAND, and coal (FILL) (Class 7)	
8	42	20 21 21 21	S-4	8		M		Same (FILL) (Class 7)	
11	60	18 30 30 41	S-5	0				No Recovery	14.5
								Auger grinding to 14'	
15	28	10 16 12 12	S-6	3		M	SM	Bwn c-f SAND, little f Gravel (Class 6)	9.5
17	23	13 12 11 11	S-7	3		W	SM	Bwn c-f SAND, some f Gravel (Class 3B)	
19	11	2 4 7 9	S-8	13		W	SP	Bwn c-f SAND, trace Silt (Class 3B)	4.5
21	17	12 10 7 9	S-9	20		W	SP	Same (Class 3B)	

REMARKS: Surface elevations estimated to the nearest half foot based on spot elevations from the drawing titled, Architectural Survey, Map Property at Manhattan, New York County, NY, dated 3/29/11, by Joseph Nocoletti Associates Professional Land Surveyors, P.C.

BORING LOG 5890.01.GPJ TECTONIC ENG.GDT 9/26/11

TECTONIC *ENGINEERING & SURVEYING CONSULTANTS P.C.*

PROJECT No. **5890.01**
PROJECT: **Home for Harlem Dowling**
LOCATION: **Harlem, NY**

BORING No. B-3

SHEET No. 2 of 2

CLIENT: **Alembic Development Co.**
CONTRACTOR: **General Borings, Inc.**

DEPTH (FT.)	N OR MIN./FT.	PENETRATION RESISTANCE (BLS/ 6 IN.)	SAMPLE NUMBER	RECOV. LENGTH (IN.)	RECOV. RQD (%)	MOISTURE	UNIFIED SOIL CLASS.	DESCRIPTION OF MATERIAL	ELEVATION (FT.)
26		10 5	S-10					Same (running Sands)	
31	12	5 5 7 10	S-11	20		W	ML	Bwn SILT, little f Sand (Class 5B)	-5.5
36	60+	5 10 50/5	S-12	6		W	SP	Gy c-f SAND, trace Silt (Class 3A)	-10.5
41	70	12 30 40 50/3	S-13	13		W	SP	Same (Class 3A)	-15.5
46	57	6 19 38 48	S-14	15		W	SP		-20.5
								End of Boring at 47'	-25.5
									-30.5

REMARKS: Surface elevations estimated to the nearest half foot based on spot elevations from the drawing titled, Architectural Survey, Map Property at Manhattan, New York County, NY, dated 3/29/11, by Joseph Nocoletti Associates Professional Land Surveyors, P.C.

BORING LOG 5890.01.GPJ TECTONIC ENG.GDT 9/26/11

TECTONIC *ENGINEERING & SURVEYING CONSULTANTS P.C.*

PROJECT No. **5890.01**
PROJECT: **Home for Harlem Dowling**
LOCATION: **Harlem, NY**

BORING No. B-4

SHEET No. 1 of 2

CLIENT: **Alembic Development Co.**
CONTRACTOR: **General Borings, Inc.**
METHOD OF ADVANCING BORING | DIA. | DEPTH
POWER AUGER: 3" | 0 TO 42'
ROT. DRILL: | TO
CASING: | TO
DIAMOND CORE: | TO

GROUND WATER: DATE | TIME | DEPTH
MON. WELL ☐ YES ☒ NO
SCREEN DEPTH: --- TO ---
WEATHER: **Overcast** TEMP: **80° F**
DEPTH TO ROCK: **Not Encountered'**
*CHANGES IN STRATA ARE INFERRED

INSPECTOR: **Casey O'Mara**
DRILLER: **Tom McGovern**
SURFACE ELEVATION: **24.5**
DATUM: **See Remarks**
DATE START: **8/24/11**
DATE FINISH: **8/24/11**

DEPTH (FT.)	N OR MIN./FT.	PENETRATION RESISTANCE (BLS/ 6 IN.)	SAMPLE NUMBER	RECOV. LENGTH (IN.)	RECOV. RQD (%)	MOISTURE	UNIFIED SOIL CLASS.	DESCRIPTION OF MATERIAL	ELEVATION (FT.)
6	7	14 4 3 20	S-1	12		M		Bwn-rd-blk, some Sand, brick, asphalt (FILL) (Class 7)	
11	25	6 11 14 16	S-2	6		M	SM	Blk c-f SAND, some f Gravel, trace Silt (Class 3B)	19.5
16	26	14 13 13 11	S-3	14		W	SM	Same (Class 3B)	14.5
21	30	3 7 23 50	S-4	20		W	SM	Same (Class 3B)	9.5

REMARKS: Surface elevations estimated to the nearest half foot based on spot elevations from the drawing titled, Architectural Survey, Map Property at Manhattan, New York County, NY, dated 3/29/11, by Joseph Nocoletti Associates Professional Land Surveyors, P.C.

BORING LOG 5890.01.GPJ TECTONIC ENG.GDT 9/26/11

TECTONIC *ENGINEERING & SURVEYING CONSULTANTS P.C.*

PROJECT No. **5890.01**
PROJECT: **Home for Harlem Dowling**
LOCATION: **Harlem, NY**

BORING No. B-4

SHEET No. 2 of 2

CLIENT: **Alembic Development Co.**
CONTRACTOR: **General Borings, Inc.**

DEPTH (FT.)	N OR MIN./FT.	PENETRATION RESISTANCE (BLS/ 6 IN.)	SAMPLE NUMBER	RECOV. LENGTH (IN.)	RECOV. RQD (%)	MOISTURE	UNIFIED SOIL CLASS.	DESCRIPTION OF MATERIAL	ELEVATION (FT.)
26	13	6 6 7 11	S-5	14		W	SM	Bwn c-f SAND, some Silt, little c-f Gravel (Class 3B)	
31	16	3 6 10 14	S-6	18		W	SM	Same (Class 3B)	-5.5
36	22	2 10 12 20	S-7	16		W	SM	Same (Class 3B)	-10.5
41	32	6 12 20 32	S-8	14		W	SM	Same (Class 3B)	-15.5
								End of Boring at 42'	-20.5
									-25.5
									-30.5

REMARKS: Surface elevations estimated to the nearest half foot based on spot elevations from the drawing titled, Architectural Survey, Map Property at Manhattan, New York County, NY, dated 3/29/11, by Joseph Nocoletti Associates Professional Land Surveyors, P.C.

BORING LOG 5890.01.GPJ TECTONIC ENG.GDT 9/26/11

TECTONIC

LEGEND FOR SOIL DESCRIPTION

COARSE GRAINED SOIL: (Coarser than No. 200 sieve)

DESCRIPTIVE TERM & GRAIN SIZE

TERM	SAND	GRAVEL
coarse - c	No. 4 Sieve to No. 10 Sieve	3" to 3/4"
medium - m	No. 10 Sieve to No. 40 Sieve	
fine - f	No. 40 Sieve to No. 200 Sieve	3/4" to 3/16"

COBBLES 3" to 10" **BOULDERS** 10" +

GRADATION DESIGNATIONS	PROPORTIONS OF COMPONENT
fine, f	Less than 10% coarse to medium
medium to fine, m-f	Less than 10% coarse
medium, m	Less than 10% coarse and fine
coarse to medium, c-m	less than 10% fine
coarse, c	Less than 10% medium and fine
coarse to fine, c-f	All greater than 10%

FINE GRAINED SOIL: (Finer than No. 200 Sieve)

DESCRIPTION	PLASTICITY INDEX	PLASTICITY
Silt	0 - 1	none
Clayey Silt	2 - 5	slight
Silt & Clay	6 - 10	low
Clay & Silt	11 - 20	medium
Silty Clay	21 - 40	high
Clay	greater than 40	very high

PROPORTION:

DESCRIPTIVE TERM	PERCENT OF SAMPLE WEIGHT
trace	1 - 10
little	10 - 20
some	20 - 35
and	35 - 50

The primary component is fully capitalized

COLOR:

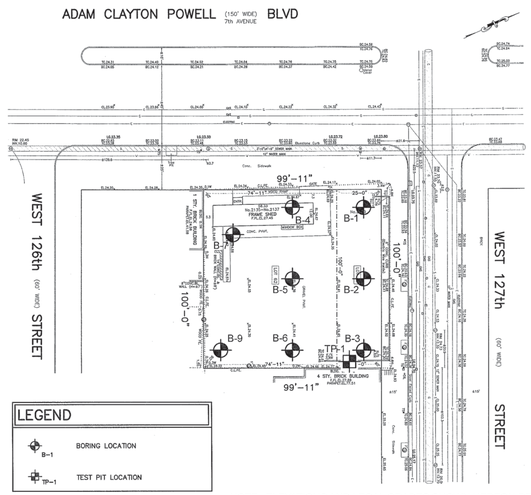
Blue - blue	Gy - gray	Wh - white
Blk - black	Or - orange	Yl - yellow
Bwn - brown	Rd - red	Lgt - light
Gn - green	Tn - tan	Dk - dark

SAMPLE NOTATION:

S - Split Spoon Soil Sample	WOC - Weight of Casing
U - Undisturbed Tube Sample	WOR - Weight of Rods
C - Core Sample	WOH - Weight of Hammer
B - Bulk Soil Sample	PPR - Compressive Strength based on Pocket Pentrometer
NR - No Recovery of Sample	TV - Shear Strength (tsf) based on Torvane

ADDITIONAL CLASSIFICATIONS:

New York City Building Code soil classifications are given in parentheses at the end of each description of material, if applicable. See Sections 1804.2 of the 2008 Building Code for further details.



LEGEND

B-1 BORING LOCATION

TP-1 TEST PIT LOCATION

NOTES

1. PLAN BASED ON ARCHITECTURAL SURVEY, MAP OF PROPERTY AT MANHATTAN, NEW YORK COUNTY, NEW YORK, DATED 3-29-11, BY JOSEPH NICOLETTI ASSOCIATES PROFESSIONAL LAND SURVEYORS, P.C.
2. ALL BORING AND TEST PIT LOCATIONS ARE APPROXIMATE.

NOTE: ELEVATIONS AND LEGAL GRADES SHOWN HEREON REFER TO THE BOROUGH OF MANHATTAN HIGHWAY DATUM WHICH IS 2.75 FEET ABOVE MEAN SEE LEVEL DATUM OF 1929 AT SANDY HOOK, N.J., AS ESTABLISHED BY THE U.S. COAST AND GEODETIC SURVEY.

THIS DATUM IS 1.65 FEET LOWER THAN THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 1988) AS ESTABLISHED BY THE NATIONAL GEODETIC SURVEY (NGS).

PROJECT:

A Home for Harlem Dowling
2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling
West Side Center for Children and Family Services

ARCHITECT:

THE OFFICE OF SAMIR S. SHAH, ARCHITECT
URBAN | QUOTIENT
231 Front Street, Suite 211
Brooklyn, NY 11201
646.837.5499
info@urbanquotient.com

CONSULTANTS:

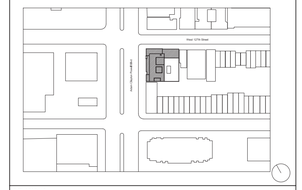
Structural Engineers:

De Nardis Engineering, LLC
15 Reservoir Road
White Plains, NY 10363-2516
Tel: 914.948.8844 Fax: 914.948.8868

MEP Engineers:

Ettinger Engineering Associates
505 Eighth Avenue, 24th Floor
New York, NY 10018
Ph: 212-244-2410
Cell: 516-319-9360
Fax: 212-643-1606

PLOT PLAN



REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

Soil Borings

DRAWING #:

SB002.00

DATE:	DRAWN BY:	JOB #:
06/19/2014	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
	SSS	

TECTONIC *ENGINEERING & SURVEYING CONSULTANTS P.C.*

PROJECT No. **5890.01**
PROJECT: **Home for Harlem Dowling**
LOCATION: **Harlem, NY**

BORING No. B-5

SHEET No. 1 of 4

CLIENT: **Alembic Development Co.**
CONTRACTOR: **General Borings, Inc.**

GROUND WATER	DATE	TIME	DEPTH
	8/22/11	11:30 pm	16'

INSPECTOR: **Adam Watson**
DRILLER: **Tom McGovern**
SURFACE ELEVATION: **24.5**
DATUM: **See Remarks**
DATE START: **8/19/11**
DATE FINISH: **8/23/11**

METHOD OF ADVANCING BORING	DIA.	DEPTH
POWER AUGER:		TO
ROT. DRILL:		TO
CASING:		TO
DIAMOND CORE:	3"	83 TO 88'

MON. WELL ☐ YES ☒ NO
SCREEN DEPTH: --- TO ---
WEATHER: TEMP:
DEPTH TO ROCK: **Not Encountered'**
*CHANGES IN STRATA ARE INFERRED

UNCONFINED COMPRESS. STRENGTH (TONS/FT) 1 2 3 4 5
PLASTIC LIMIT % — WATER CONTENT % — LIQUID LIMIT %
STANDARD PENETRATION (BLOWS/FT.) 10 20 30 40 50

DEPTH (FT.)	N OR MIN./FT.	PENETRATION RESISTANCE (BLS/6 IN.)	SAMPLE NUMBER	RECOV. LENGTH (IN.)	RECOV. RQD (%)	MOISTURE	UNIFIED SOIL CLASS.	DESCRIPTION OF MATERIAL	ELEVATION (FT.)
1	19	14 9 10 14	S-1	15		M		Bwn brick, wood, asphalt (building debris) (Class 7) (FILL)	
3	24	15 13 11 9	S-2	15		M		Same (Class 7) (FILL)	
5									19.5
6	19	7 15 4 5	S-3	15		M		Blk c-f SAND, and f Gravel, little Silt (contains asphalt, brick, concrete) (Class 7) (FILL)	
8	6	5 3 3 5	S-4	10		M		Same (Class 7) (FILL)	
10									14.5
11	14	2 4 10 8	S-5	18		M		Same (no concrete) (Class 7) (FILL)	
14	14	5 6 8 18	S-6	12		M	SP	Bwn c-f SAND, little f Gravel (Class 3B)	
15									9.5
16	19	12 13 6 6	S-7	15		W	SP	Bwn c-f SAND, trace Gravel (Class 3B)	
20									4.5
21	19	10 10 9 7	S-8	0				No Recovery	
24	14	7 7 7 7	S-9	12		W	SP	Bwn m-f SAND, trace Silt (Class 3B)	
25									-0.5

REMARKS: Surface elevations estimated to the nearest half foot based on spot elevations from the drawing titled, Architectural Survey, Map Property at Manhattan, New York County, NY, dated 3/29/11, by Joseph Nocoletti Associates Professional Land Surveyors, P.C.

BORING LOG 5890.01.GPJ TECTONIC ENG.GDT 9/26/11

TECTONIC *ENGINEERING & SURVEYING CONSULTANTS P.C.*

PROJECT No. **5890.01**
PROJECT: **Home for Harlem Dowling**
LOCATION: **Harlem, NY**

BORING No. B-5

SHEET No. 2 of 4

CLIENT: **Alembic Development Co.**
CONTRACTOR: **General Borings, Inc.**

UNCONFINED COMPRESS. STRENGTH (TONS/FT) 1 2 3 4 5
PLASTIC LIMIT % — WATER CONTENT % — LIQUID LIMIT %
STANDARD PENETRATION (BLOWS/FT.) 10 20 30 40 50

DEPTH (FT.)	N OR MIN./FT.	PENETRATION RESISTANCE (BLS/6 IN.)	SAMPLE NUMBER	RECOV. LENGTH (IN.)	RECOV. RQD (%)	MOISTURE	UNIFIED SOIL CLASS.	DESCRIPTION OF MATERIAL	ELEVATION (FT.)
26	13	6 7 6 8	S-10	13		W	SP	Same (Class 3B)	
30									-5.5
31	13	3 6 7 10	S-11	14		W	SP	Bwn c-f SAND, trace Silt (Class 3B)	
35									-10.5
36	26	6 12 14 20	S-12	12		W	SP	Same (Class 3B)	
40									-15.5
41	37	12 16 21 23	S-13	10		W	SP	Rd-bwn c-f SAND, trace Silt (Class 3A)	
45									-20.5
46	20	10 9 11 12	S-14	10		W	SP	Rd-bwn c-f SAND, trace Silt (Class 3B)	
50									-25.5
51	18	7 8 10 11	S-15	10		W	SP	Same (Class 3B)	
55									-30.5

REMARKS: Surface elevations estimated to the nearest half foot based on spot elevations from the drawing titled, Architectural Survey, Map Property at Manhattan, New York County, NY, dated 3/29/11, by Joseph Nocoletti Associates Professional Land Surveyors, P.C.

BORING LOG 5890.01.GPJ TECTONIC ENG.GDT 9/26/11

TECTONIC *ENGINEERING & SURVEYING CONSULTANTS P.C.*

PROJECT No. **5890.01**
PROJECT: **Home for Harlem Dowling**
LOCATION: **Harlem, NY**

BORING No. B-5

SHEET No. 3 of 4

CLIENT: **Alembic Development Co.**
CONTRACTOR: **General Borings, Inc.**

UNCONFINED COMPRESS. STRENGTH (TONS/FT) 1 2 3 4 5
PLASTIC LIMIT % — WATER CONTENT % — LIQUID LIMIT %
STANDARD PENETRATION (BLOWS/FT.) 10 20 30 40 50

DEPTH (FT.)	N OR MIN./FT.	PENETRATION RESISTANCE (BLS/6 IN.)	SAMPLE NUMBER	RECOV. LENGTH (IN.)	RECOV. RQD (%)	MOISTURE	UNIFIED SOIL CLASS.	DESCRIPTION OF MATERIAL	ELEVATION (FT.)
56	25	9 12 13 17	S-16	15		W	ML	Rd-bwn SILT, little Sand (Class 3B)	
61	19	6 9 10 16	S-17	20		W	ML	Same (Class 5B)	-35.5
66	14	6 7 7 10	S-18	22		W	ML	Same (Class 5B)	-40.5
71	13	4 6 7 13	S-19	24		W	ML	Same (Class 5B)	-45.5
73			U-1	0				Shelby Tube No Recovery	
75	20	7 8 12 27	S-20	22		W	ML	Same (Class 5B)	-50.5
81	17	7 7 10 13	S-21	15		W	ML	Gy-bwn CLAYEY SILT (Class 5B)	-55.5
82							SP	Bwn m-f SAND, trace Silt	
85									-60.5

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BORING LOG 5890.01.GPJ TECTONIC ENG.GDT 9/26/11

TECTONIC *ENGINEERING & SURVEYING CONSULTANTS P.C.*

PROJECT No. **5890.01**
PROJECT: **Home for Harlem Dowling**
LOCATION: **Harlem, NY**

BORING No. B-5

SHEET No. 4 of 4

CLIENT: **Alembic Development Co.**
CONTRACTOR: **General Borings, Inc.**

UNCONFINED COMPRESS. STRENGTH (TONS/FT) 1 2 3 4 5
PLASTIC LIMIT % — WATER CONTENT % — LIQUID LIMIT %
STANDARD PENETRATION (BLOWS/FT.) 10 20 30 40 50

DEPTH (FT.)	N OR MIN./FT.	PENETRATION RESISTANCE (BLS/6 IN.)	SAMPLE NUMBER	RECOV. LENGTH (IN.)	RECOV. RQD (%)	MOISTURE	UNIFIED SOIL CLASS.	DESCRIPTION OF MATERIAL	ELEVATION (FT.)
86								1.5' Dk gy, slightly weathered, moderately fractured, hard, GNEISS 3.5' Wht, slightly weathered, slightly to moderately fractured, MARBLE	
90									-65.5
95									-70.5
100									-75.5
105									-80.5
110									-85.5
115								End of Boring at 88'	-90.5

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BORING LOG 5890.01.GPJ TECTONIC ENG.GDT 9/26/11

TECTONIC

LEGEND FOR SOIL DESCRIPTION

COARSE GRAINED SOIL: (Coarser than No. 200 sieve)

DESCRIPTIVE TERM & GRAIN SIZE

TERM	SAND	GRAVEL
coarse - c	No. 4 Sieve to No. 10 Sieve	3" to 3/4"
medium - m	No. 10 Sieve to No. 40 Sieve	
fine - f	No. 40 Sieve to No. 200 Sieve	3/4" to 3/16"

COBBLES 3" to 10" **BOULDERS** 10" +

GRADATION DESIGNATIONS	PROPORTIONS OF COMPONENT
fine, f	Less than 10% coarse to medium
medium to fine, m-f	Less than 10% coarse
medium, m	Less than 10% coarse and fine
coarse to medium, c-m	less than 10% fine
coarse, c	Less than 10% medium and fine
coarse to fine, c-f	All greater than 10%

FINE GRAINED SOIL: (Finer than No. 200 Sieve)

DESCRIPTION	PLASTICITY INDEX	PLASTICITY
Silt	0 - 1	none
Clayey Silt	2 - 5	slight
Silt & Clay	6 - 10	low
Clay & Silt	11 - 20	medium
Silty Clay	21 - 40	high
Clay	greater than 40	very high

PROPORTION:

DESCRIPTIVE TERM	PERCENT OF SAMPLE WEIGHT
trace	1 - 10
little	10 - 20
some	20 - 35
and	35 - 50

The primary component is fully capitalized

COLOR:

Blue - blue	Gy - gray	Wh - white
Blk - black	Or - orange	Yl - yellow
Bwn - brown	Rd - red	Lgt - light
Gn - green	Tn - tan	Dk - dark

SAMPLE NOTATION:

S - Split Spoon Soil Sample	WOC - Weight of Casing
U - Undisturbed Tube Sample	WOR - Weight of Rods
C - Core Sample	WOH - Weight of Hammer
B - Bulk Soil Sample	PPR - Compressive Strength based on Pocket Pentrometer
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ADDITIONAL CLASSIFICATIONS:

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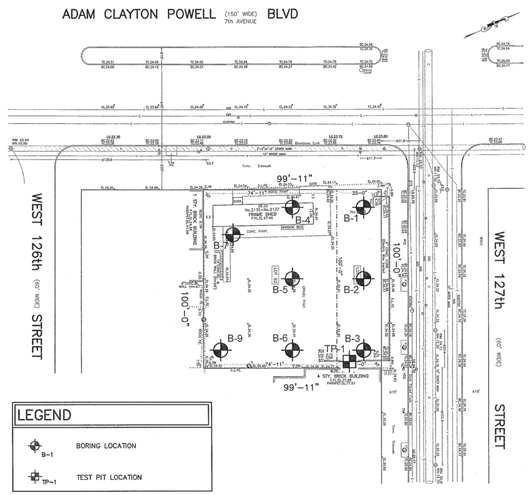

LEGEND

B-1 BORING LOCATION

TP-1 TEST PIT LOCATION

NOTES

1. PLAN BASED ON ARCHITECTURAL SURVEY, MAP OF PROPERTY AT MANHATTAN, NEW YORK COUNTY, NEW YORK, DATED 3-29-11, BY JOSEPH NICOLETTI ASSOCIATES PROFESSIONAL LAND SURVEYORS, P.C.
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NOTE: ELEVATIONS AND LEGAL GRADES SHOWN HEREON REFER TO THE BOROUGH OF MANHATTAN HIGHWAY DATUM WHICH IS 2.75 FEET ABOVE MEAN SEE LEVEL DATUM OF 1929 AT SANDY HOOK, N.J., AS ESTABLISHED BY THE U.S. COAST AND GEODETIC SURVEY.

THIS DATUM IS 1.65 FEET LOWER THAN THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 1988) AS ESTABLISHED BY THE NATIONAL GEODETIC SURVEY (NGS).

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SPONSOR:

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CONSULTANTS:

Structural Engineers:

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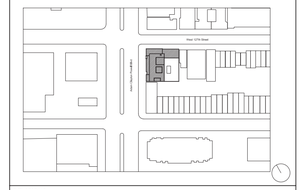
White Plains, NY 10363-2516
Tel: 914.948.8844 Fax: 914.948.8868

MEP Engineers:

Ettinger Engineering Associates
505 Eighth Avenue, 24th Floor
New York, NY 10018
Ph: 212-244-2410
Cell: 516-319-9360
Fax: 212-643-1606

PLOT PLAN



REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

Soil Borings

DRAWING #:

SB003.00

DATE:	DRAWN BY:	JOB #:
06/19/2014	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
	SSS	

TECTONIC *ENGINEERING & SURVEYING CONSULTANTS P.C.*

PROJECT No. **5890.01**
PROJECT: **Home for Harlem Dowling**
LOCATION: **Harlem, NY**

BORING No. B-6

SHEET No. 1 of 2

CLIENT: **Alembic Development Co.**
CONTRACTOR: **General Borings, Inc.**
METHOD OF ADVANCING BORING | DIA. | DEPTH
POWER AUGER: 3" | 0 TO 42'
ROT. DRILL: | TO
CASING: | TO
DIAMOND CORE: | TO

GROUND WATER: DATE | TIME | DEPTH
MON. WELL ☐ YES ☒ NO
SCREEN DEPTH: --- TO ---
WEATHER: **Overcast** TEMP: **80° F**
DEPTH TO ROCK: **Not Encountered'**
*CHANGES IN STRATA ARE INFERRED

INSPECTOR: **Casey O'Mara**
DRILLER: **Tom McGovern**
SURFACE ELEVATION: **24.5**
DATUM: **See Remarks**
DATE START: **8/24/11**
DATE FINISH: **8/24/11**

DEPTH (FT.)	N OR MIN./FT.	PENETRATION RESISTANCE (BLWS/6 IN.)	SAMPLE NUMBER	RECOV. LENGTH (IN.)	RECOV. RQD (%)	MOISTURE	UNIFIED SOIL CLASS.	DESCRIPTION OF MATERIAL	ELEVATION (FT.)
6	36	7 18 18 35	S-1	12		M		Bwn-rd Brick, asphalt, some Sand (FILL) (Class 7)	19.5
11	34	11 16 18 21	S-2	15		W	SM	Bwn m-f SAND, trace Silt (Class 3A)	14.5
16	25	7 14 11 7	S-3	8		W	SM	Same (Class 3A)	9.5
21	12	4 6 6 5	S-4	14		W	SM	Same (Class 3A)	4.5

REMARKS: Surface elevations estimated to the nearest half foot based on spot elevations from the drawing titled, Architectural Survey, Map Property at Manhattan, New York County, NY, dated 3/29/11, by Joseph Nocoletti Associates Professional Land Surveyors, P.C.

BORING LOG 5890.01.GPJ TECTONIC ENG.GDT 9/26/11

TECTONIC *ENGINEERING & SURVEYING CONSULTANTS P.C.*

PROJECT No. **5890.01**
PROJECT: **Home for Harlem Dowling**
LOCATION: **Harlem, NY**

BORING No. B-6

SHEET No. 2 of 2

CLIENT: **Alembic Development Co.**
CONTRACTOR: **General Borings, Inc.**

DEPTH (FT.)	N OR MIN./FT.	PENETRATION RESISTANCE (BLWS/6 IN.)	SAMPLE NUMBER	RECOV. LENGTH (IN.)	RECOV. RQD (%)	MOISTURE	UNIFIED SOIL CLASS.	DESCRIPTION OF MATERIAL	ELEVATION (FT.)
26	19	3 8 11 13	S-5	16			SM	12" Same (Class 3A)	
27			S-6				ML	4" Bwn c-f SAND & SILT, trace Gravel (Class 5B)	
31	16	3 7 9 5	S-7	16		W	SM	Same (Class 3A)	-5.5
36	24	4 12 12 12	S-8	14		W	SM	Same (Class 3A)	-10.5
41	50	8 22 28 50	S-9	14		W	SM	Same (Class 3A)	-15.5
								End of Boring at 42'	-25.5
									-30.5

REMARKS: Surface elevations estimated to the nearest half foot based on spot elevations from the drawing titled, Architectural Survey, Map Property at Manhattan, New York County, NY, dated 3/29/11, by Joseph Nocoletti Associates Professional Land Surveyors, P.C.

BORING LOG 5890.01.GPJ TECTONIC ENG.GDT 9/26/11

TECTONIC *ENGINEERING & SURVEYING CONSULTANTS P.C.*

PROJECT No. **5890.01**
PROJECT: **Home for Harlem Dowling**
LOCATION: **Harlem, NY**

BORING No. B-7

SHEET No. 1 of 2

CLIENT: **Alembic Development Co.**
CONTRACTOR: **General Borings, Inc.**
METHOD OF ADVANCING BORING | DIA. | DEPTH
POWER AUGER: 3" | 0 TO 42'
ROT. DRILL: | TO
CASING: | TO
DIAMOND CORE: | TO

GROUND WATER: DATE | TIME | DEPTH
MON. WELL ☐ YES ☒ NO
SCREEN DEPTH: --- TO ---
WEATHER: **Overcast** TEMP: **75° F**
DEPTH TO ROCK: **Not Encountered'**
*CHANGES IN STRATA ARE INFERRED

INSPECTOR: **Casey O'Mara**
DRILLER: **Tom McGovern**
SURFACE ELEVATION: **24.5**
DATUM: **See Remarks**
DATE START: **8/24/11**
DATE FINISH: **8/24/11**

DEPTH (FT.)	N OR MIN./FT.	PENETRATION RESISTANCE (BLWS/6 IN.)	SAMPLE NUMBER	RECOV. LENGTH (IN.)	RECOV. RQD (%)	MOISTURE	UNIFIED SOIL CLASS.	DESCRIPTION OF MATERIAL	ELEVATION (FT.)
6	3	2 2 1 1	S-1	6		M		Bwn-rd brick, asphalt, some c-f SAND, trace Gravel (FILL) (Class 7)	19.5
11	16	4 4 12 20	S-2	14		M	SM	Bwn m-f SAND, trace f Gravel, trace Silt (Class 3B)	14.5
16	26	14 13 13 11	S-3	14		W	SM	Same (Class 3B)	9.5
21	30	3 7 23 50	S-4	20		W	SM	Same (Class 3B)	4.5

REMARKS: Surface elevations estimated to the nearest half foot based on spot elevations from the drawing titled, Architectural Survey, Map Property at Manhattan, New York County, NY, dated 3/29/11, by Joseph Nocoletti Associates Professional Land Surveyors, P.C.

BORING LOG 5890.01.GPJ TECTONIC ENG.GDT 9/26/11

TECTONIC *ENGINEERING & SURVEYING CONSULTANTS P.C.*

PROJECT No. **5890.01**
PROJECT: **Home for Harlem Dowling**
LOCATION: **Harlem, NY**

BORING No. B-7

SHEET No. 2 of 2

CLIENT: **Alembic Development Co.**
CONTRACTOR: **General Borings, Inc.**

DEPTH (FT.)	N OR MIN./FT.	PENETRATION RESISTANCE (BLWS/6 IN.)	SAMPLE NUMBER	RECOV. LENGTH (IN.)	RECOV. RQD (%)	MOISTURE	UNIFIED SOIL CLASS.	DESCRIPTION OF MATERIAL	ELEVATION (FT.)
26	13	6 6 7 11	S-5	19		W	SM	Bwn c-f SAND, some Silt, trace Gravel (Class 3B)	
31	15	11 11 4 8	S-6	4		W	SM	Same (Class 3B)	-5.5
36	18	7 6 12 20		0				No Recovery	-10.5
41	27	6 11 16 19	S-7	2		W	SM	Same (Class 3B)	-15.5
								End of Boring at 42'	-20.5
									-25.5
									-30.5

REMARKS: Surface elevations estimated to the nearest half foot based on spot elevations from the drawing titled, Architectural Survey, Map Property at Manhattan, New York County, NY, dated 3/29/11, by Joseph Nocoletti Associates Professional Land Surveyors, P.C.

BORING LOG 5890.01.GPJ TECTONIC ENG.GDT 9/26/11

TECTONIC

LEGEND FOR SOIL DESCRIPTION

COARSE GRAINED SOIL: (Coarser than No. 200 sieve)

DESCRIPTIVE TERM & GRAIN SIZE

TERM	SAND	GRAVEL
coarse - c	No. 4 Sieve to No. 10 Sieve	3" to 3/4"
medium - m	No. 10 Sieve to No. 40 Sieve	
fine - f	No. 40 Sieve to No. 200 Sieve	3/4" to 3/16"

COBBLES 3" to 10" **BOULDERS** 10" +

GRADATION DESIGNATIONS	PROPORTIONS OF COMPONENT
fine, f	Less than 10% coarse to medium
medium to fine, m-f	Less than 10% coarse
medium, m	Less than 10% coarse and fine
coarse to medium, c-m	less than 10% fine
coarse, c	Less than 10% medium and fine
coarse to fine, c-f	All greater than 10%

FINE GRAINED SOIL: (Finer than No. 200 Sieve)

DESCRIPTION	PLASTICITY INDEX	PLASTICITY
Silt	0 - 1	none
Clayey Silt	2 - 5	slight
Silt & Clay	6 - 10	low
Clay & Silt	11 - 20	medium
Silty Clay	21 - 40	high
Clay	greater than 40	very high

PROPORTION:

DESCRIPTIVE TERM	PERCENT OF SAMPLE WEIGHT
trace	1 - 10
little	10 - 20
some	20 - 35
and	35 - 50

The primary component is fully capitalized

COLOR:

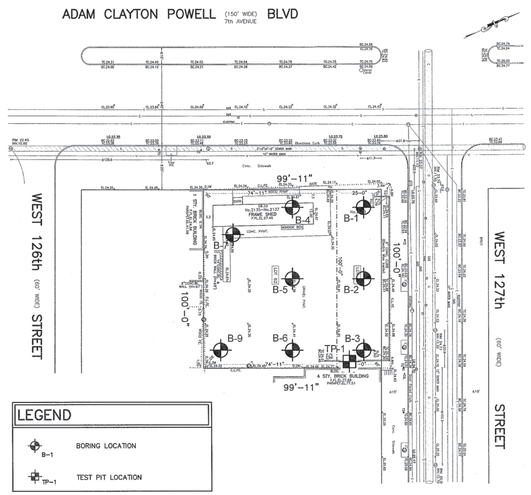
Blue - blue	Gy - gray	Wh - white
Blk - black	Or - orange	Yl - yellow
Bwn - brown	Rd - red	Lgt - light
Gn - green	Tn - tan	Dk - dark

SAMPLE NOTATION:

S - Split Spoon Soil Sample	WOC - Weight of Casing
U - Undisturbed Tube Sample	WOR - Weight of Rods
C - Core Sample	WOH - Weight of Hammer
B - Bulk Soil Sample	PPR - Compressive Strength based on Pocket Pentrometer
NR - No Recovery of Sample	TV - Shear Strength (tsf) based on Torvane

ADDITIONAL CLASSIFICATIONS:

New York City Building Code soil classifications are given in parentheses at the end of each description of material, if applicable. See Sections 1804.2 of the 2008 Building Code for further details.



NOTES

1. PLAN BASED ON ARCHITECTURAL SURVEY, MAP OF PROPERTY AT MANHATTAN, NEW YORK COUNTY, NEW YORK, DATED 3-29-11, BY JOSEPH NICOLETTI ASSOCIATES PROFESSIONAL LAND SURVEYORS, P.C.
2. ALL BORING AND TEST PIT LOCATIONS ARE APPROXIMATE.

NOTE: ELEVATIONS AND LEGAL GRADES SHOWN HEREON REFER TO THE BOROUGH OF MANHATTAN HIGHWAY DATUM WHICH IS 2.75 FEET ABOVE MEAN SEE LEVEL DATUM OF 1929 AT SANDY HOOK, N.J., AS ESTABLISHED BY THE U.S. COAST AND GEODETIC SURVEY.

THIS DATUM IS 1.65 FEET LOWER THAN THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 1988) AS ESTABLISHED BY THE NATIONAL GEODETIC SURVEY (NGS).

PROJECT:

A Home for Harlem Dowling
2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling
West Side Center for Children and Family Services

ARCHITECT:

THE OFFICE OF SAMIR S. SHAH, ARCHITECT
URBAN | QUOTIENT
231 Front Street, Suite 211
Brooklyn, NY 11201
646.837.5499
info@urbanquotient.com

CONSULTANTS:

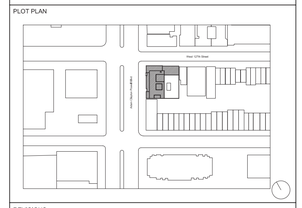
Structural Engineers:

De Nardis Engineering, LLC
15 Reservoir Road
White Plains, NY 10363-2516
Tel: 914.948.8844 Fax: 914.948.8868

MEP Engineers:

Ettinger Engineering Associates
505 Eighth Avenue, 24th Floor
New York, NY 10018
Ph: 212-244-2410
Cell: 516-319-9360
Fax: 212-643-1606

PLOT PLAN



REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

Soil Borings

DRAWING #:

SB004.00

DATE:	DRAWN BY:	JOB #:
06/19/2014	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
	SSS	

TECTONIC ENGINEERING & SURVEYING CONSULTANTS P.C.

PROJECT No. 5890.01
PROJECT: Home for Harlem Dowling
LOCATION: Harlem, NY

BORING No. B-9

SHEET No. 1 of 2

CLIENT: Alembic Development Co.
CONTRACTOR: General Borings, Inc.
METHOD OF ADVANCING BORING | DIA. | DEPTH
POWER AUGER: 3 1/4" | 0 TO 45'
ROT. DRILL: TO
CASING: TO
DIAMOND CORE: TO
Mobile B-53 Track Rig with Wrench Hammer

GROUND WATER: DATE 8/19/11 | TIME 8:40 am | DEPTH 16.1'

MON. WELL ☐ YES ☒ NO
SCREEN DEPTH: --- TO ---
WEATHER: Overcast TEMP: 85° F
DEPTH TO ROCK: Not Encountered'
*CHANGES IN STRATA ARE INFERRED

INSPECTOR: Adam Watson
DRILLER: Tom McGovern
SURFACE ELEVATION: 24.5
DATUM: See Remarks
DATE START: 8/18/11
DATE FINISH: 8/19/11

DEPTH (FT.)	N OR MIN./FT.	PENETRATION RESISTANCE (BLWS./6 IN.)	SAMPLE NUMBER	RECOV. LENGTH (IN.)	RECOV. RQD (%)	MOISTURE	UNIFIED SOIL CLASS.	DESCRIPTION OF MATERIAL	ELEVATION (FT.)
1	6	3 4 2 7	S-1	3		M		Bwn-rd-blk Brick, asphalt (FILL) (Class 7)	
3	16	14 5 11 15	S-2	10		M		Brick (FILL) (Class 7)	
6	24	6 9 15 9	S-3	2		M		Bwn c-f SAND, little Silt (Bricks) (FILL) (Class 7)	19.5
8	10	4 3 7 11	S-4	2		M		Same	
11	29	9 14 15 18	S-5	14		M	SP	Bwn c-f SAND, trace Silt (Class 3B)	14.5
16	41	13 24 17 24	S-6	12		W	SP	Dk bwn c-f SAND, some f Gravel (Class 3A) ▼	9.5
21	15	5 7 8 14	S-7	15		W	SP	Bwn c-f SAND, trace Silt (Class 3B)	4.5
									-0.5

UNCONFINED COMPRESS. STRENGTH (TONS/FT) 1 2 3 4 5
PLASTIC LIMIT % — WATER CONTENT % — LIQUID LIMIT %
STANDARD PENETRATION (BLOWS/FT.) 10 20 30 40 50

REMARKS: Surface elevations estimated to the nearest half foot based on spot elevations from the drawing titled, Architectural Survey, Map Property at Manhattan, New York County, NY, dated 3/29/11, by Joseph Nocoletti Associates Professional Land Surveyors, P.C.

BORING LOG 5890.01.GPJ TECTONIC ENG.GDT 9/26/11

TECTONIC ENGINEERING & SURVEYING CONSULTANTS P.C.

PROJECT No. 5890.01
PROJECT: Home for Harlem Dowling
LOCATION: Harlem, NY

BORING No. B-9

SHEET No. 2 of 2

CLIENT: Alembic Development Co.
CONTRACTOR: General Borings, Inc.

DEPTH (FT.)	N OR MIN./FT.	PENETRATION RESISTANCE (BLWS./6 IN.)	SAMPLE NUMBER	RECOV. LENGTH (IN.)	RECOV. RQD (%)	MOISTURE	UNIFIED SOIL CLASS.	DESCRIPTION OF MATERIAL	ELEVATION (FT.)
26	18	4 7 11 12	S-8	20		W	SP	Same (Class 3B)	
31	13	2 5 8 8	S-9	15		W	ML	Bwn SILT, some f Sand (Class 5B)	-5.5
36	16	2 6 10 14	S-10	14		W	SP	Bwn c-f SAND, trace Silt (Class 3B)	-10.5
41	8	2 2 6 8	S-11	0				No Recovery	-15.5
44	23	12 10 13 18	S-12	4		W	SP	Bwn c-f SAND, trace Silt (Class 3B)	-20.5
46	26	5 10 16 18	S-13	13		W	SP	Bwn m-f SAND, trace Silt (Class 3B)	-25.5
47								End of Boring at 47'	-30.5

UNCONFINED COMPRESS. STRENGTH (TONS/FT) 1 2 3 4 5
PLASTIC LIMIT % — WATER CONTENT % — LIQUID LIMIT %
STANDARD PENETRATION (BLOWS/FT.) 10 20 30 40 50

REMARKS: Surface elevations estimated to the nearest half foot based on spot elevations from the drawing titled, Architectural Survey, Map Property at Manhattan, New York County, NY, dated 3/29/11, by Joseph Nocoletti Associates Professional Land Surveyors, P.C.

BORING LOG 5890.01.GPJ TECTONIC ENG.GDT 9/26/11

TECTONIC
(800) 829-6531

W.O. No. 5890.01 | Date: 8/22/2011
Project: Harlem Dowling
Location: Harlem, NY

TEST PIT TP-1

Client: Alembic Development Co. | Depth to Seepage: NE | Inspector: Adam Watson
Contractor: General Borings Inc. | Depth to Groundwater: NE | Surface Elevation: 24.5'
Equipment: Ford 655A Backhoe | Depth to Bedrock: NE | Datum: See Remarks

SAMPLES: Sample No.	Moisture	Unified Soil Classification	DESCRIPTION OF MATERIAL	Strata Change (ft)	REMARKS
			8' basement (adjacent building); 2'; 4'; 10'; Bwn/gy c-f SAND, trace Silt		Brick steps out one course at 2' and 4' below existing grade. A brick masonry wall was encountered paralleling the neighboring building to the east. It is roughly offset 3 feet west of the adjacent wall. A brick masonry wall also abuts and parallels the adjacent sidewall to the north. Excavated material composed of fill predominantly consisting of demolition debris mixed with soil, the fill classifies as Class 7 material per the Code. Surface elevations estimated to the nearest half foot based on spot elevations from the drawing titled Architectural Survey Map of Property at Manhattan, New York County, dated 3/29/11, by Joseph Nocoletti Associates Professional Land Surveyors, P.C.

PARTICLE SIZE		PROPORTION (exclusive of boulders & cobble)	PROPORTION (boulders & cobbles)	MOISTURE
Boulder: 10"(+)	Sand: No.200 Sieve-3/16"	trace: 0-10%	sparse: 0-10%	D: dry
Cobble: 3-10"	Silt/Clay: No.200 Sieve (-)	little: 10-20%	few: 10-35%	M: moist
Gravel: 3/16"-3"		some: 20-35%	many: 35-65%	W: wet
		and: 35-50%		

CON118-7/01

TECTONIC

LEGEND FOR SOIL DESCRIPTION

COARSE GRAINED SOIL: (Coarser than No. 200 sieve)

DESCRIPTIVE TERM & GRAIN SIZE

TERM	SAND	GRAVEL
coarse - c	No. 4 Sieve to No. 10 Sieve	3" to 3/4"
medium - m	No. 10 Sieve to No. 40 Sieve	
fine - f	No. 40 Sieve to No. 200 Sieve	3/4" to 3/16"

COBBLES 3" to 10" **BOULDERS** 10" +

GRADATION DESIGNATIONS	PROPORTIONS OF COMPONENT
fine, f	Less than 10% coarse to medium
medium to fine, m-f	Less than 10% coarse
medium, m	Less than 10% coarse and fine
coarse to medium, c-m	less than 10% fine
coarse, c	Less than 10% medium and fine
coarse to fine, c-f	All greater than 10%

FINE GRAINED SOIL: (Finer than No. 200 Sieve)

DESCRIPTION	PLASTICITY INDEX	PLASTICITY
Silt	0 - 1	none
Clayey Silt	2 - 5	slight
Silt & Clay	6 - 10	low
Clay & Silt	11 - 20	medium
Silty Clay	21 - 40	high
Clay	greater than 40	very high

PROPORTION:

DESCRIPTIVE TERM	PERCENT OF SAMPLE WEIGHT
trace	1 - 10
little	10 - 20
some	20 - 35
and	35 - 50

The primary component is fully capitalized

COLOR:

Blue - blue	Gy - gray	Wh - white
Blk - black	Or - orange	Yl - yellow
Bwn - brown	Rd - red	Lgt - light
Gn - green	Tn - tan	Dk - dark

SAMPLE NOTATION:

S - Split Spoon Soil Sample	WOC - Weight of Casing
U - Undisturbed Tube Sample	WOR - Weight of Rods
C - Core Sample	WOH - Weight of Hammer
B - Bulk Soil Sample	PPR - Compressive Strength based on Pocket Pentrometer
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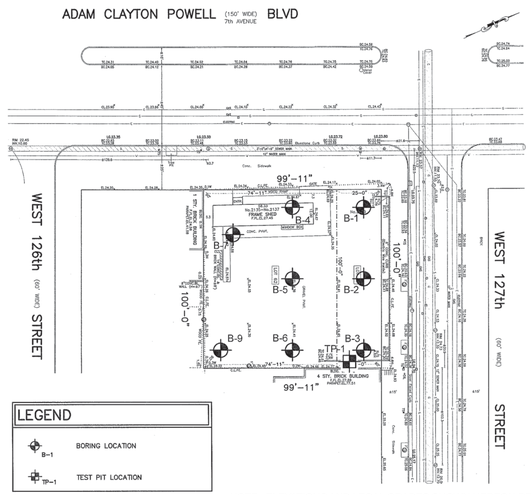

LEGEND
B-1 BORING LOCATION
TP-1 TEST PIT LOCATION

NOTES
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THIS DATUM IS 1.65 FEET LOWER THAN THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 1988) AS ESTABLISHED BY THE NATIONAL GEODETIC SURVEY (NGS).

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2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:
Harlem Dowling
West Side Center for Children and Family Services

ARCHITECT:
THE OFFICE OF SAMIR S. SHAH, ARCHITECT
URBAN | QUOTIENT
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646.837.5499
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CONSULTANTS:

Structural Engineers:
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15 Reservoir Road
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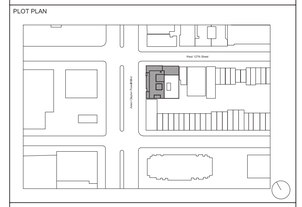
Tel: 914.948.8844 Fax: 914.948.8868

MEP Engineers:
Ettinger Engineering Associates
505 Eighth Avenue, 24th Floor
New York, NY 10018
Ph: 212-244-2410
Cell: 516-319-9360
Fax: 212-643-1606

PLOT PLAN



REVISIONS:
06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:
121908132

DRAWING TITLE:
Soil Borings

DRAWING #:
SB005.00

DATE:	DRAWN BY:	JOB #:
06/19/2014	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
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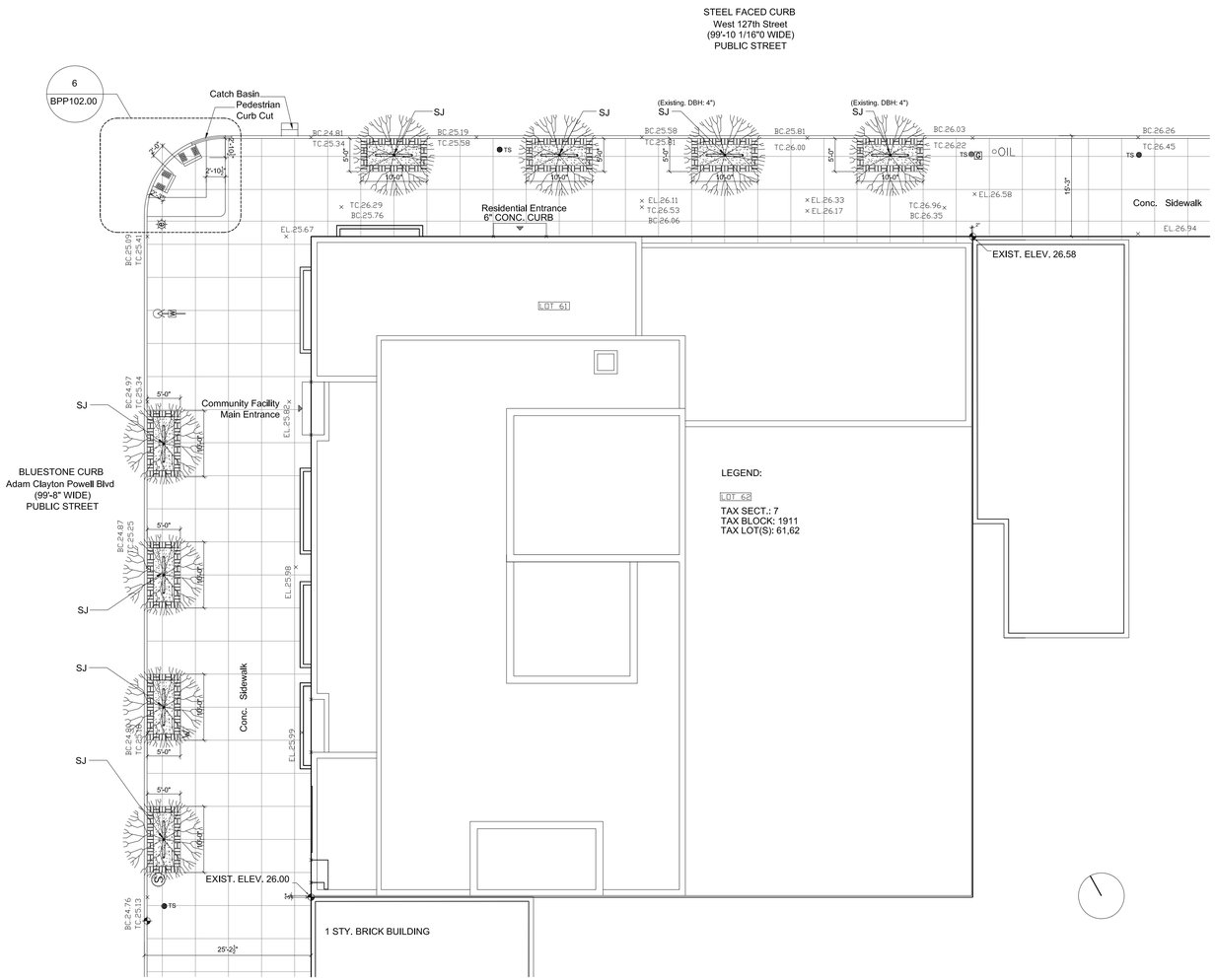


1 SIDEWALK ALONG AMSTERDAM AVENUE

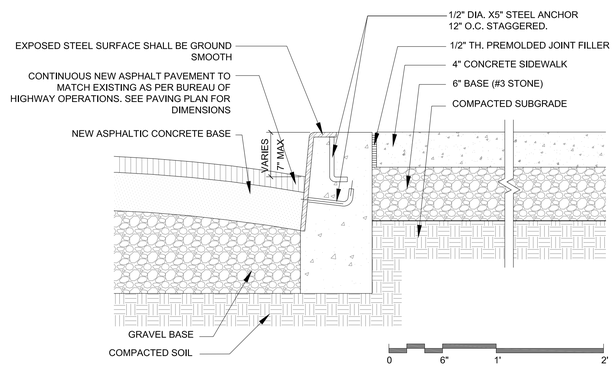
3/32"= 1'-0"

GENERAL NOTES (PLANTING):

1. THE CONTRACTOR SHALL LOCATE AND VERIFY THE EXISTENCE OF ALL UTILITIES PRIOR TO STARTING WORK.
2. THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON ALL DRAWINGS.
3. ALL MATERIAL SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE CURRENT AMERICAN STANDARD FOR NURSERY STOCK, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
4. NO PLANT SHALL BE PUT INTO THE GROUND BEFORE ROUGH GRADING HAS BEEN FINISHED AND APPROVED BY THE PROJECT ARCHITECT OR EQUAL.
5. ALL PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS THE PLANT'S ORIGINAL GRADE BEFORE DIGGING.
6. ALL PLANTS SHALL BE BALLED AND WRAPPED OR CONTAIN GROWN AS SPECIFIED. NO CONTAINER GROWN STOCK WILL BE ACCEPTED IF IT IS ROOT BOUND. ALL ROOT WRAPPING MATERIAL MADE OF SYNTHETICS OR PLASTICS SHALL BE REMOVED AT TIME OF PLANTING.
7. WITH CONTAINER GROWN STOCK, THE CONTAINER SHALL BE REMOVED AND THE CONTAINER BALL SHALL BE CUT THROUGH THE SURFACE IN TWO VERTICAL LOCATIONS.
8. THE DAY PRIOR TO PLANTING, THE LOCATION OF ALL TREES AND SHRUBS SHALL BE STAKED FOR APPROVAL BY THE PROJECT LANDSCAPE ARCHITECT OR EQUAL.
9. ALL PLANT MATERIAL SHALL BE SELECTED AT THE NURSERIES BY THE PROJECT LANDSCAPE ARCHITECT OR EQUAL.
10. ALL PLANTS SHALL BE SPRAYED WITH AN ANTIDESSICANT WITHIN 24 HOURS AFTER PLANTING. IN TEMPERATE ZONES, ALL PLANT SHALL BE SPRAYED WITH AN ANTIDESSICANT AT THE BEGINNING OF THEIR FIRST WINTER.
11. ALL PLANTS SHALL BE INSTALLED AS PER DETAILS AND THE CONTRACT SPECIFICATIONS.
12. THE LANDSCAPE CONTRACTOR SHALL PROVIDE FILL AS PER THE CONTRACT SPECIFICATIONS.
13. ALL PLANTS SHALL BE WATERED THOROUGHLY TWICE DURING THE FIRST 24-HOUR PERIOD AFTER PLANTING. ALL PLANTS SHALL THEN BE WATERED WEEKLY, IF NECESSARY, DURING THE FIRST GROWING SEASON.

CURB NOTES:

1. EXPANSION JOINTS IN THE STEEL CURB FACING AND CONCRETE BACKING SHALL BE AT A MAXIMUM SPACING OF 24'-0".
2. THE EXPANSION JOINTS OF THE CURB AND STEEL CURB FACING SHALL LINE UP WITH THE EXPANSION JOINTS OF THE CONCRETE SIDEWALKS.
3. NO PIECE OF STEEL CURB FACING HAVING LESS THAN TWO (2) WELDED DOWELS MAY BE INSTALLED UNLESS IT IS WELDED TO THE ADJACENT STEEL CURB FACING.
4. 1/2" DIAMETER AND 5" HEADED ANCHOR STUDS (GRANULAR OR SOLID FLUX FILLED) MAY BE SUBSTITUTED.
5. STRUCTURAL STEEL AS PER BOARD OF STANDARDS SPECIFICATIONS 20-S-35 TYPE A-1 (A.S.T.M.DESIGNATION A36)
6. SURFACE TO BE PAINTED SHALL BE THOROUGHLY CLEANED AND THEN PAINTED WITH ONE SHOP COAT OF RED LEAD (FEDERAL SPECIFICATIONS TT-P-SSC, CLASS2).
7. WHERE TWO (2) PIECES OF STEEL CURB FACING ARE JOINED BUT NOT WELDED, TWO (2) ONE-HALF (1/2) INCH RODS, TWENTY-FOUR (24) INCHES LONG SHALL BE INSERTED INTO THE CONCRETE BACKING, ONE-HALF (1/2) THE LENGTH OF EACH SIDE OF THE JOINT.
8. CONCRETE TO BE CLASS B-32, AIR ENTRAINED.
9. CORNER CURB VERTICAL FACE WILL BE ACCEPTABLE FOR CORNER CURBS PROVIDING THE ENDS ARE WARPED TO FORM A TRANSITION WITH ADJACENT BATTERED FACE CURBS.



3 SIDEWALK / STEEL FACED STREET CURB DETAIL

1 1/2"= 1'-0"

NOTES

GENERAL REQUIREMENTS

1. ALL DESIGNS, MATERIALS, CONSTRUCTION METHODS AND WORKMANSHIP SHALL COMPLY WITH THE FOLLOWING PUBLICATIONS OF THE BUREAU OF HIGHWAYS: STANDARD SPECIFICATIONS, TANDARD DETAILS OF CONSTRUCTION; RULES OF THE BUREAU OF HIGHWAY OPERATIONS; GUIDELINES FOR THE DESIGN OF INFRASTRUCTURE COMPONENTS.
2. ALL NON STANDARD MATERIALS AND CONSTRUCTION PROCEDURES SHALL BE SPECIFICALLY APPROVED IN WRITING BY THE DOT.
3. ANY WORK NOT COMPLYING WITH THE REQUIREMENTS OF THE DOT SHALL BE REMOVED AND REPLACED.
4. THIS PLAN SHALL BE VALID FOR THE ISSUANCE OF CONSTRUCTION PERMITS FOR A PERIOD OF ONE YEAR FROM THE DATE OF APPROVAL OR SELF-CERTIFICATION, AS APPLICABLE.
5. ALL SIDEWALK AND STREET AREAS CONSTRUCTED UNDER THIS PLAN SHALL REMAIN OPEN TO THE PUBLIC AT ALL TIMES.

ISSUANCE OF PERMITS

6. NO SIDEWALK, CURB OR ROADWAY WORK SHALL BE DONE WITHOUT A PERMIT FROM THE BOROUGH HIGHWAY SUPERINTENDANT. APPLICATION SHALL BE MADE THREE DAYS BEFORE STARTING CONSTRUCTION. THE CONTRACTOR SHALL HAVE ALL REQUIRED IN SURANCE COVERAGE ON FILE.
7. NO WORK ON DRAINAGE STRUCTURES SHALL BE DONE WITHOUT A PERMIT FROM THE BOROUGH OFFICE OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.
8. ANY VAULT WORK AT THE SITE SHALL BE DONE AS PER THE APPLICABLE RULES OF THE DOT AND THE DEPT. OF BUILDINGS.

CONSTRUCTION ACTIVITY

9. A CONSTRUCTION PLAN SHOWING MAINTENANCE AND PROTECTION OF TRAFFIC, INCLUDING PLACEMENT OF SIDEWALK BRIDGES, BARRIERS AND SIGNAGE, SHALL BE SUBMITTED TO THE BOROUGH HIGHWAY OFFICE BEFORE CONSTRUCTION BEGINS.
10. NO SIDEWALK SHALL BE CLOSED WITHOUT A PERMIT. PEDESTRIAN AND TRAFFIC SAFETY SHALL BE PROTECTED AT ALL TIMES. ROADWAY CLOSINGS SHALL BE AS DIRECTED.
11. THE SITE SHALL BE MAINTAINED IN A CLEAN AND SAFE CONDITION.

FINAL SIGN- OFF

12 . PERMITS SHALL BE PRESENTED FROM ALL PUBLIC AGENCIES AND UTILITIES HAVING OWNERSHIP OF STRUCTURES RELOCATED OR REMOVED DURING CONSTRUCTION .
13. ALL PAVEMENT MARKINGS INCLUDING THERMOPLASTIC LANE DIVIDERS, REMOVED DURING CONSTRUCTION SHALL BE REPLACED IN KIND TO THE BUREAU OF TRAFFIC STANDARDS.
14. ALL EXISTING CATCHBASINS ON SITE SHALL BE CLEAN ED AND MADE OPERABLE.
15. ALL DAMAGE CAUSED BY CONSTRUCTION ON THIS PROJECT OUTSIDE THE PROJECT LIMITS SHALL BE REPAIRED AS DIRECTED.
16. THE ROADWAY SHALL BE PAVED TO THE REQUIREMENTS OF THE DOT

TREE NOTES:

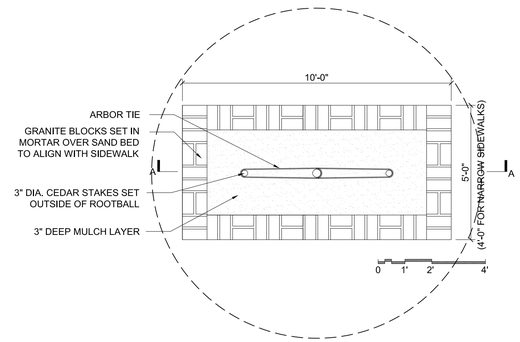
1. "THE EXACT LOCATION OF THE TREES WOULD BE DETERMINED BY THE DEPARTMENT OF PARKS & RECREATION."
2. "WRITTEN NOTIFICATION WILL BE MADE TO THE DEPARTMENT OF PARKS & RECREATION PRIOR TO COMMENCEMENT OF SUCH WORK."
3. NO DELETERIOUS, CAUSTIC, OR ACID MATERIALS SHALL BE DUMPED OR MIXED WITHIN TEN FEET OF ANY SUCH TREE, NOR SHALL SALT FOR REMOVAL OF ICE OR SNOW BE APPLIED WHEN RUNOFF WILL DRAIN TO A TREE.
4. NO TREES OUTSIDE THE STREET LINE SHALL BE DISTURBED OR REMOVED WITHOUT THE PERMISSION OF THE COMMISSIONER OF PARKS &RECREATION. PROTECTION MEETING THE REQUIREMENTS OF THE DEPARTMENT OF PARKS & RECREATION SHALL BE PROVIDED AROUND THE TRUNKS OF ALL SUCH TREES, & WRITTEN NOTIFICATION SHALL ALSO BE MADE TO THE DEPARTMENTS OF PARKS &RECREATION AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF SUCH WORK.

PLANTING SCHEDULE

Mark	Type	Latin Name	Common Name
SJ	Street Tree	Styphnolobium japonicum	Scholar Tree
ALT	Street Tree	Nyssa Sylvatica	Black Tupelo

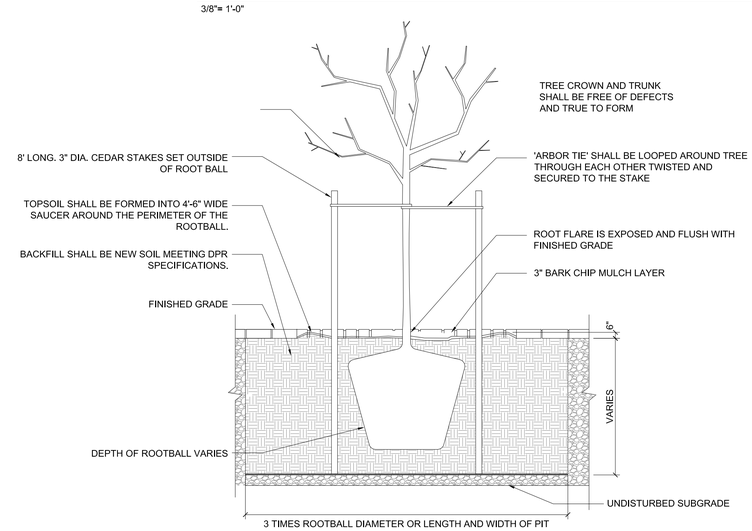
LEGEND:

P.O.B.	POINT OF BEGINNING
C.L.F.	CHAIN LINK FENCE
BLDG	BUILDING
CONC.BLK.	CONCRETE BLOCK
CONC.RET.	CONCRETE RETAINING WALL
PR DC	PED. RAMP. DROP CURB
TS	TRAFFIC SIGNS
	SEWER MANHOLE
	TRAFFIC LIGHT
	LIGHT POLE
	TELEPHONE BOOTHS
E	ELECTRIC MANHOLE
PM	PARKING METER
MC	METAL COVER
	FIRE HYDRANT
	UTILITY POLE
8"	TREE AND DIAMETER



2 SIDEWALK / STREET TREE PIT - PLAN VIEW

3/8"= 1'-0"



4 SECTION @ A-A

3/8"= 1'-0"

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling

West Side Center for Children and Family Services

ARCHITECT:

THE OFFICE OF
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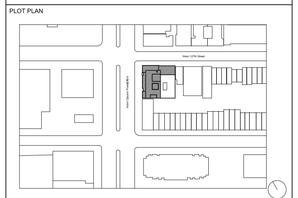
PLOT PLAN



REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

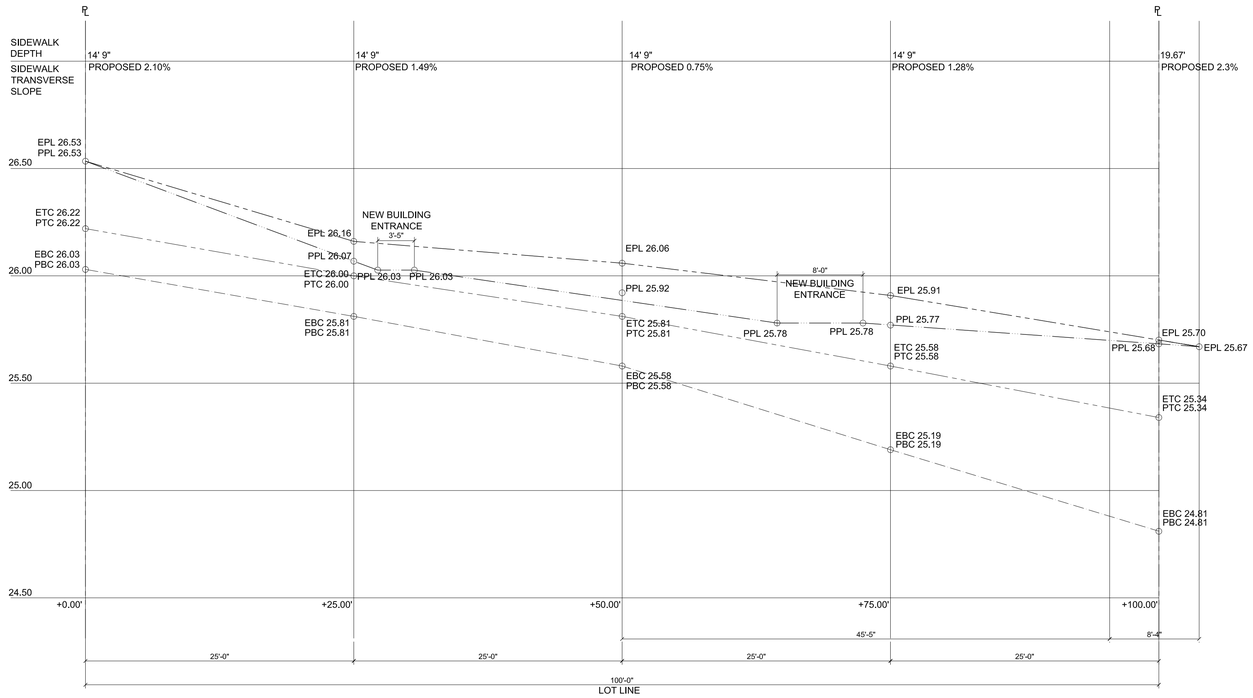
DRAWING TITLE:

BUILDER'S PAVEMENT PLAN, GRADE STUDY, DETAILS & NOTES

DRAWING #:

BPP100.00

DATE:	DRAWN BY:	JOB #:
06/19/2014	SSS/TZ	10.01
SHEET SCALE:	CHECKED BY: SSS	SHEET:

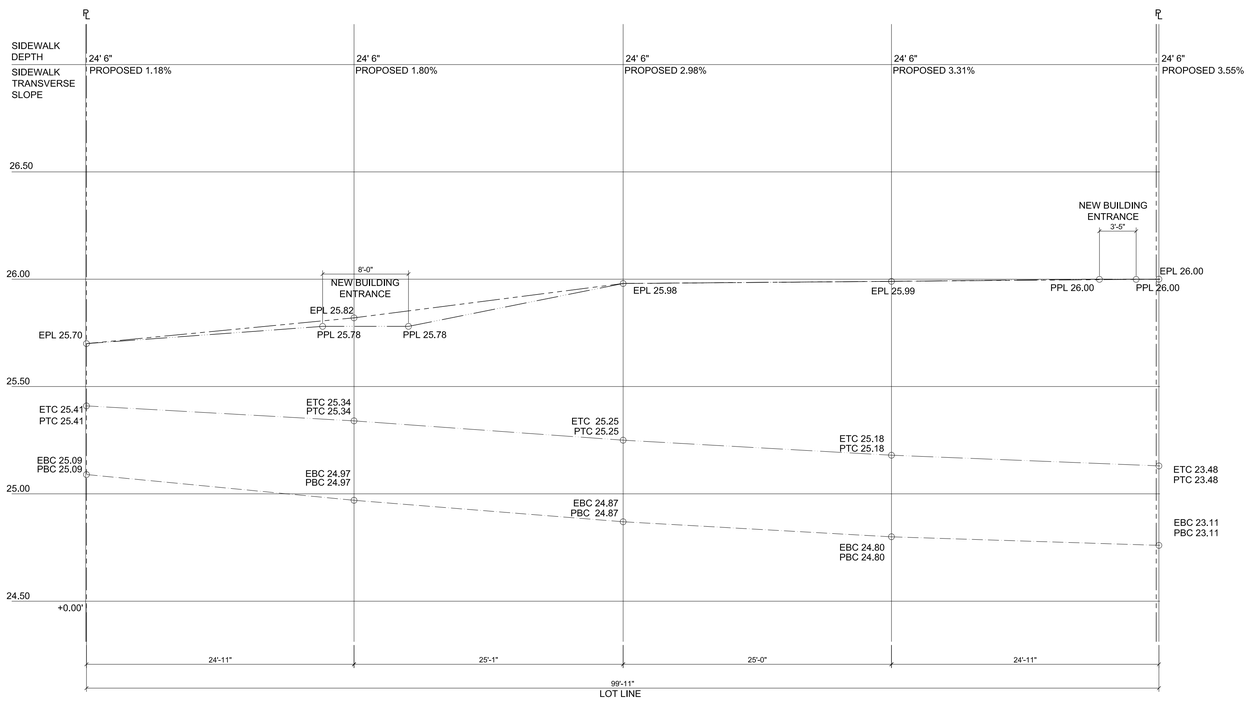


LEGEND

- EPL - EXISTING PROPERTY LINE
- ETC- EXISTING TOP OF CURB
- EBC - EXISTING BOTTOM OF CURB
- PSW -AT PROPOSED STREET WALL
- PTC - PROPOSED TOP OF CURB
- PBC - PROPOSED BOTTOM OF CURB
- PPL - PROPOSED PROPERTY LINE
- PGE - PROPOSED GRATE ELEVATION

WEST 127th STREET PROFILE

HORIZONTAL SCALE: 3"=20'
VERTICAL SCALE: 3"=1'



LEGEND

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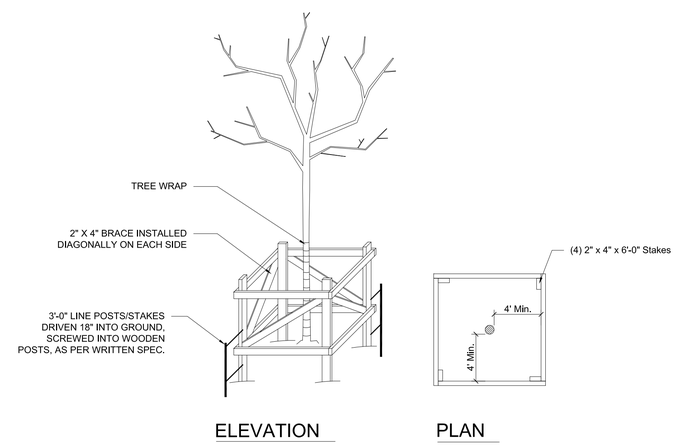
- PSW -AT PROPOSED STREET WALL
- PTC - PROPOSED TOP OF CURB
- PBC - PROPOSED BOTTOM OF CURB
- PPL - PROPOSED PROPERTY LINE
- PGE - PROPOSED GRATE ELEVATION

ADAM CLAYTON POWELL BLVD PROFILE

HORIZONTAL SCALE: 3"=20'
VERTICAL SCALE: 3"=1'



TEMPORARY WOODEN TREE GUARD

NOT TO SCALE

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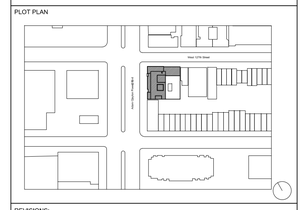

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DETAILS & NOTES

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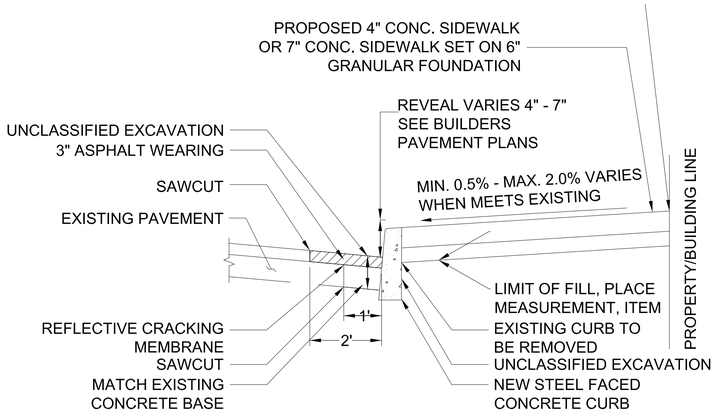
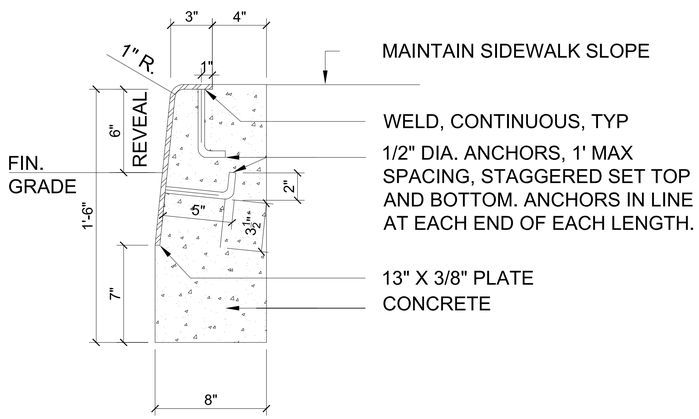
	SSS	

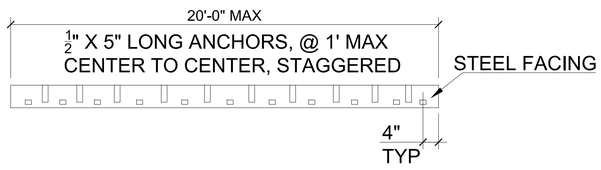


5 CURB REMOVAL AND REPLACEMENT WITH ASPHALT RESTORATION

NOT TO SCALE



5A SECTION



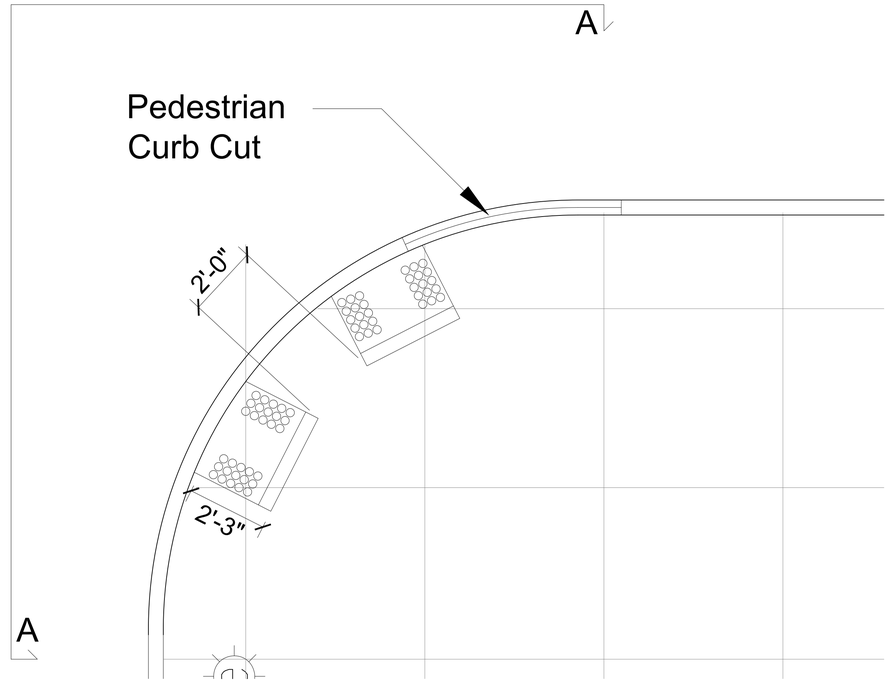
5B ELEVATION

CURB NOTES:

1. EXPANSION JOINTS IN THE STEEL CURB FACING AND CONCRETE BACKING SHALL BE AT A MAXIMUM SPACING OF 24'-0".
2. THE EXPANSION JOINTS OF THE CURB AND STEEL CURB FACING SHALL LINE UP WITH THE EXPANSION JOINTS OF THE CONCRETE SIDEWALKS.
3. NO PIECE OF STEEL CURB FACING HAVING LESS THAN TWO (2) WELDED DOWELS MAY BE INSTALLED UNLESS IT IS WELDED TO THE ADJACENT STEEL CURB FACING.
4. 1/2" DIAMETER AND 5" HEADED ANCHOR STUDS (GRANULAR OR SOLID FLUX FILLED) MAY BE SUBSTITUTED.
5. STRUCTURAL STEEL AS PER BOARD OF STANDARDS SPECIFICATIONS 20-S-35 TYPE A-1 (A.S.T.M.DESIGNATION A36)
6. SURFACE TO BE PAINTED SHALL BE THOROUGHLY CLEANED AND THEN PAINTED WITH ONE SHOP COAT OF RED LEAD (FEDERAL SPECIFICATIONS TT-P-SSC, CLASS2).
7. WHERE TWO (2) PIECES OF STEEL CURB FACING ARE JOINED BUT NOT WELDED, TWO (2) ONE-HALF (1/2) INCH RODS, TWENTY-FOUR (24) INCHES LONG SHALL BE INSERTED INTO THE CONCRETE BACKING, ONE-HALF (1/2) THE LENGTH OF EACH SIDE OF THE JOINT.
8. CONCRETE TO BE CLASS B-32, AIR ENTRAINED.
9. CORNER CURB VERTICAL FACE WILL BE ACCEPTABLE FOR CORNER CURBS PROVIDING THE ENDS ARE WARPED TO FORM A TRANSITION WITH ADJACENT BATTERED FACE CURBS.

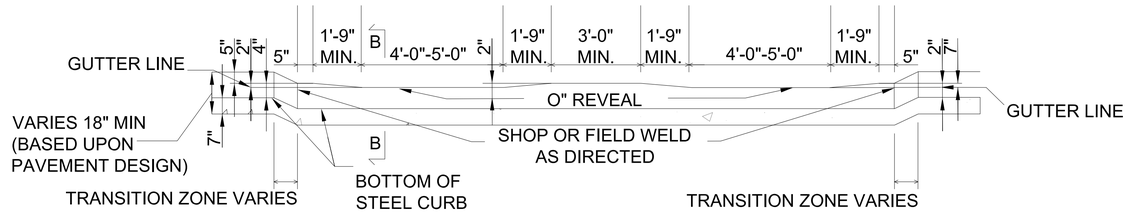
STEEL FACED CONCRETE CURB - NYC DOT # H - 1010

NOT TO SCALE

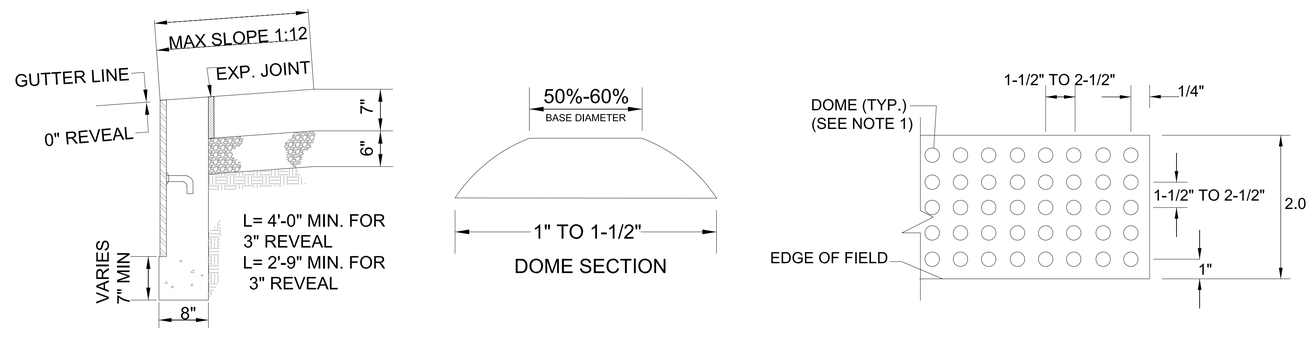


6 CORNER CURB CUT @ PEDESTRIAN CROSSWALK

(NOT TO SCALE)



7 ELEVATION A - A



SECTION B - B

DOME SECTION

DOME SPACING

8 DETECTABLE WARNING SURFACE DETAILS

(NOT TO SCALE)

CURB NOTES:

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SIDEWALK PEDESTRIAN RAMPS DOT # H - 1011

NOT TO SCALE

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New York, NY 10027

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ARCHITECT:

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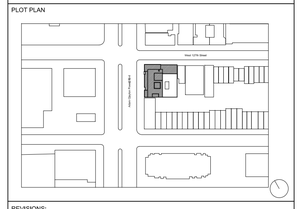
PLOT PLAN



REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

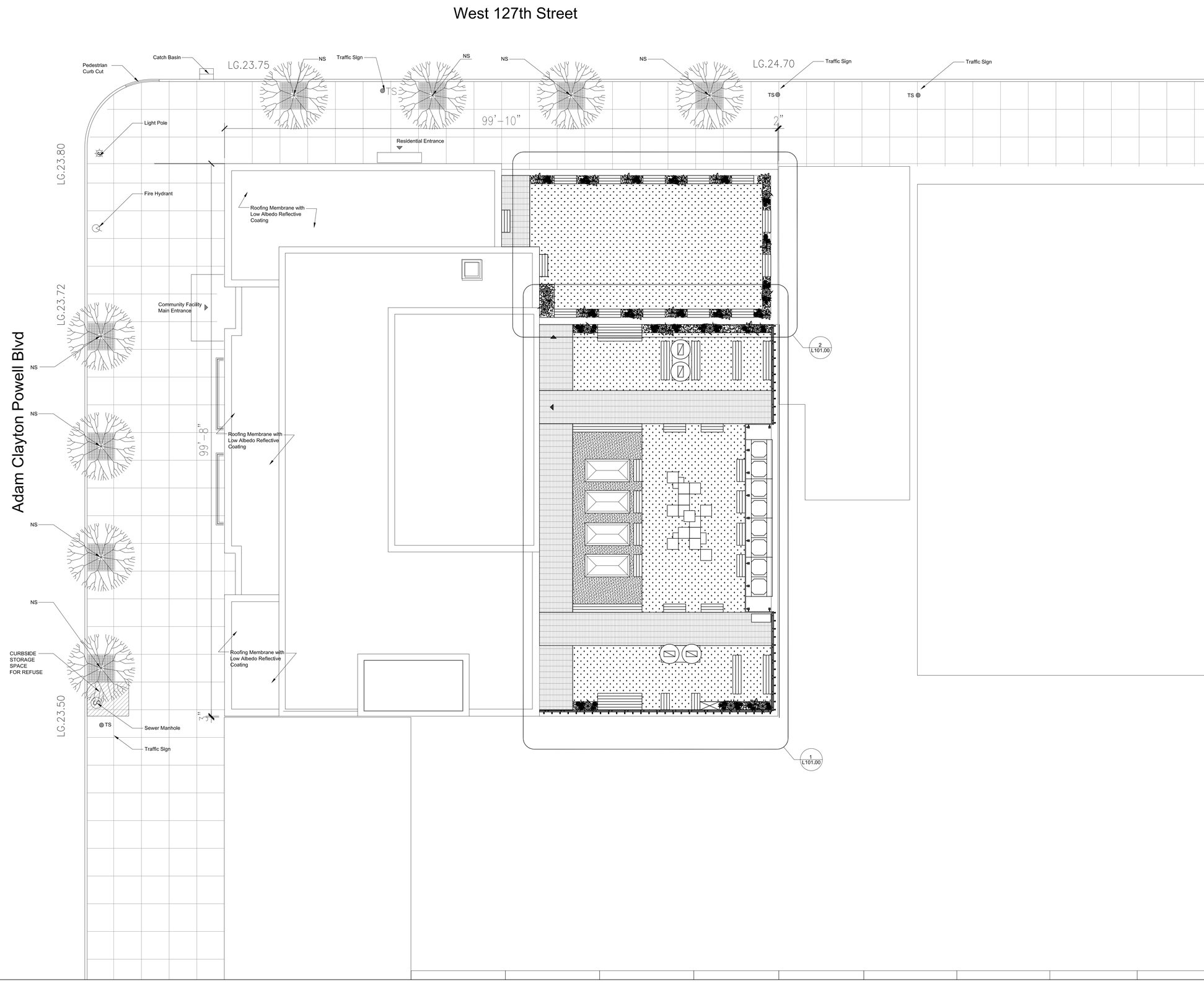
DRAWING TITLE:

BUILDER'S PAVEMENT PLAN
DETAILS & NOTES

DRAWING #:

BPP102.00

DATE:	DRAWN BY:	JOB #:
06/19/2014	SSS/TZ	10.01
SHEET SCALE:	CHECKED BY: SSS	SHEET:



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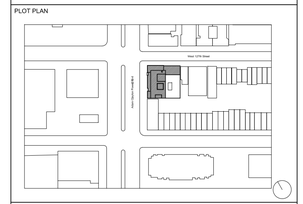

REVISIONS:

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BUILDING DEPARTMENT #:

121908132

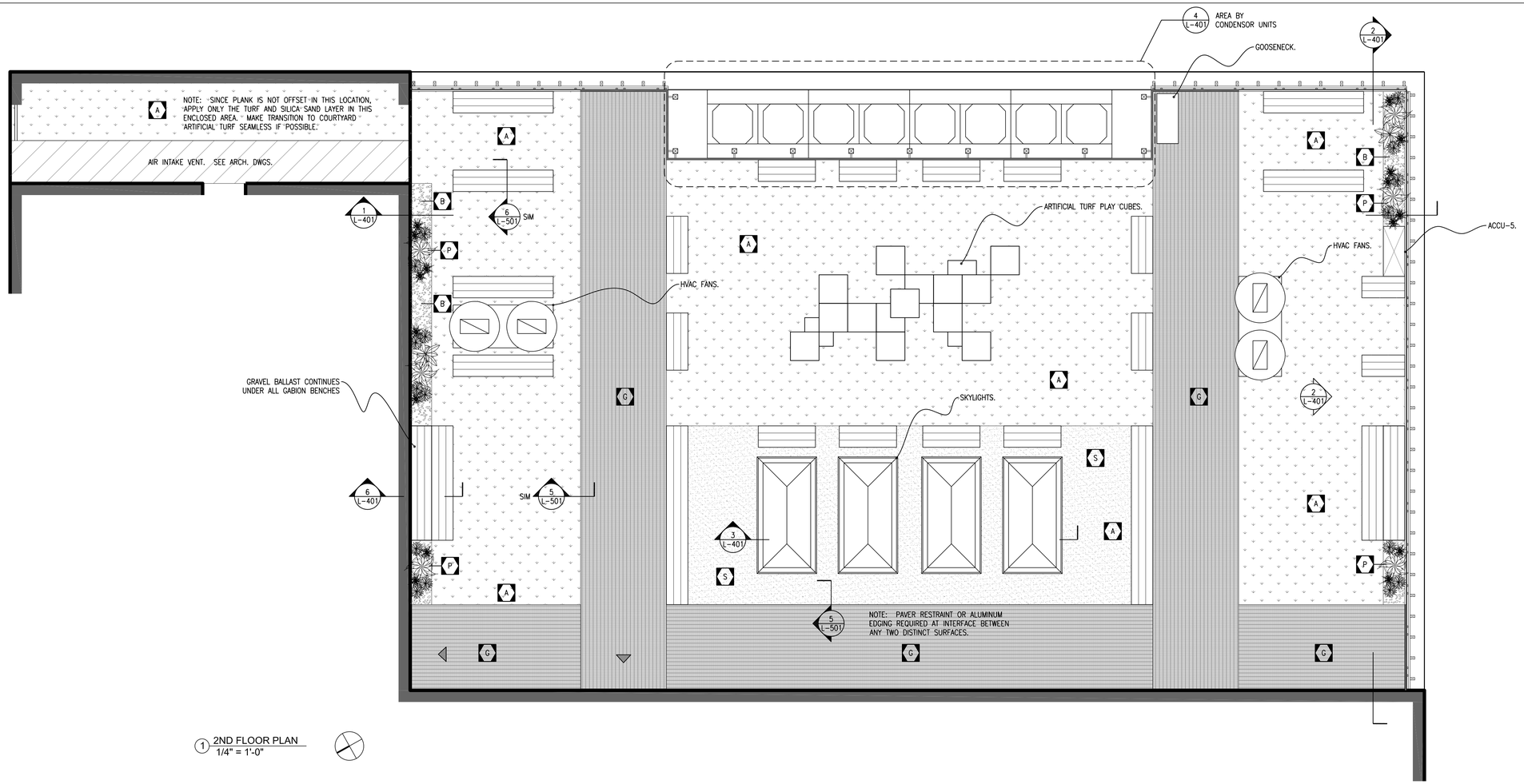
DRAWING TITLE:

SITE PLAN

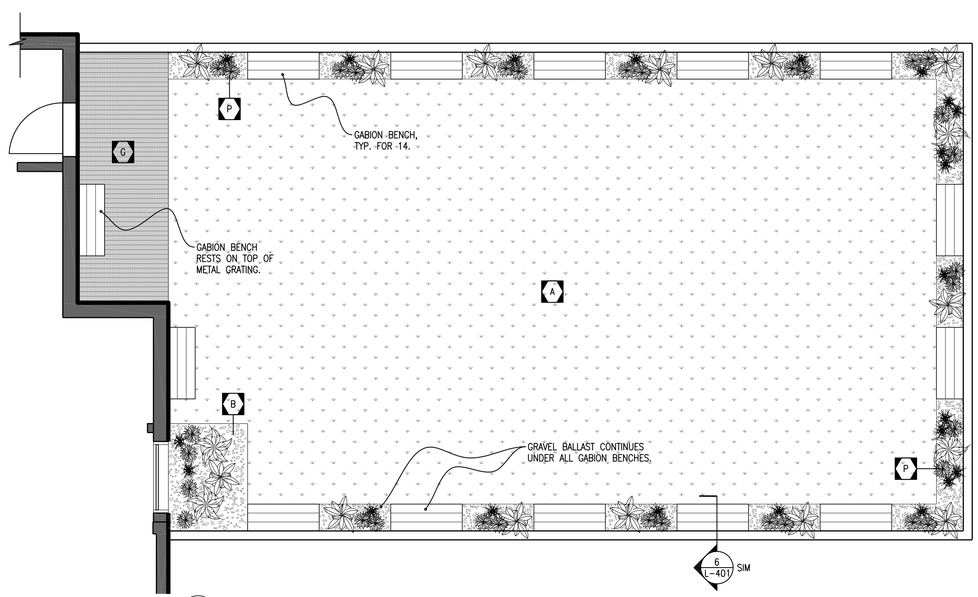
DRAWING #:

L100.00

DATE:	DRAWN BY:	JOB #:
06/19/2014	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
1/8" = 1'-0"	SSS	



1 2ND FLOOR PLAN
1/4" = 1'-0"



2 9TH FLOOR PLAN
1/4" = 1'-0"

MATERIALS LEGEND

A	2 L-501	ARTIFICIAL TURF
B	1 L-501	GRAVEL BALLAST
G	3 L-501	ADA COMPLIANT ALUMINUM GRATE
P	8 L-501	POTTED PERENNIALS AND GRASSES
S	4 L-501	SEDUM (GROUNDCOVER FORM)
	7 L-501	GABION BENCH
		FENCE POST
W		WOOD LATTICE
		ENTRY/EXIT

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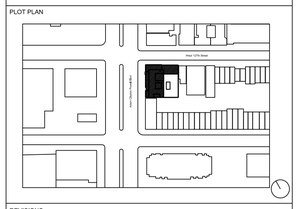


REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

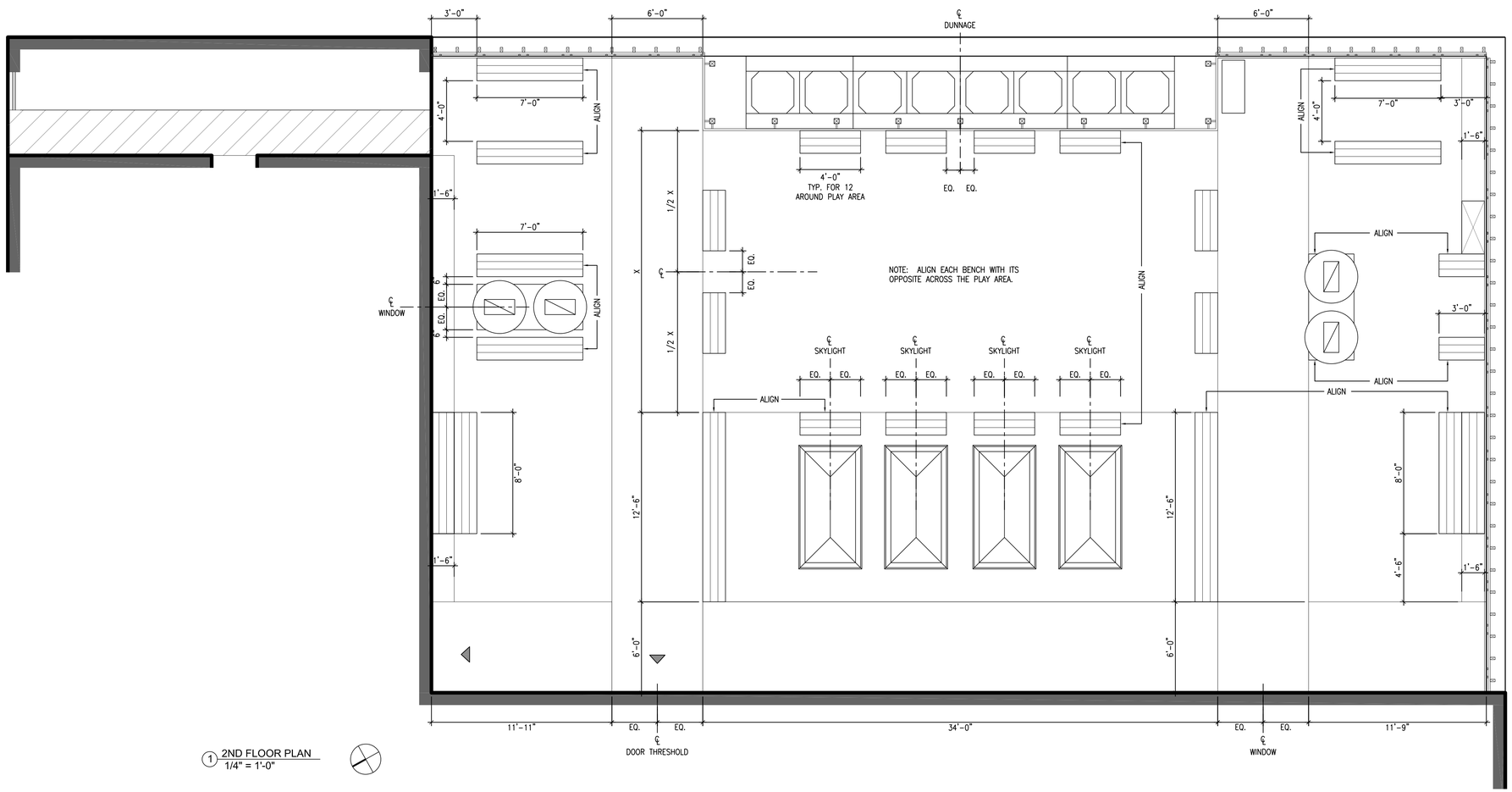
2ND & 9TH FLOOR TERRACES

MATERIALS PLAN

DRAWING #:

L101.00

DATE:	DRAWN BY:	JOB #:
06/19/2014	JTM	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
AS NOTED	SSS	



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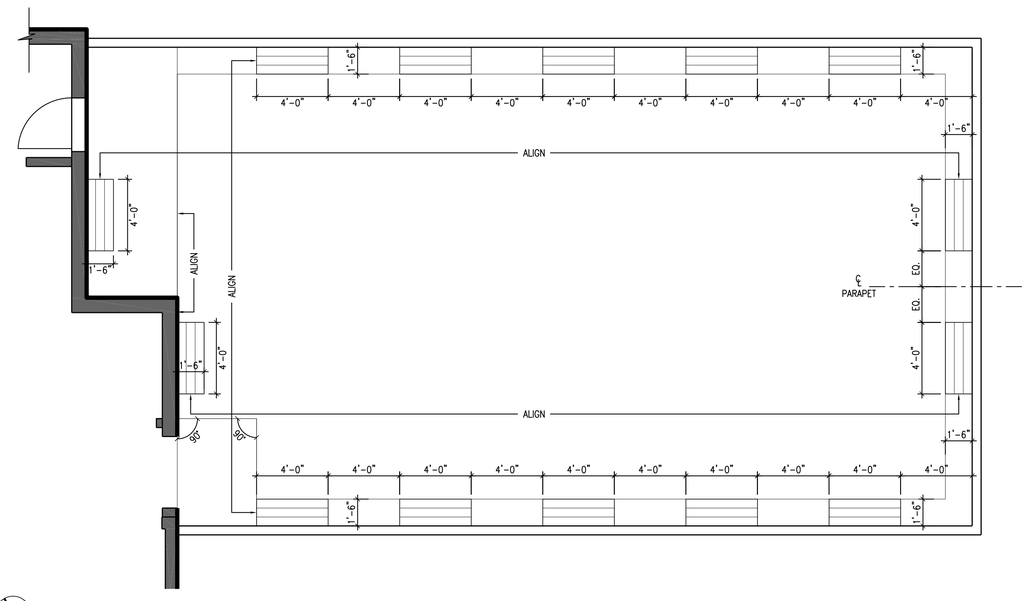

2 9TH FLOOR PLAN
1/4" = 1'-0"

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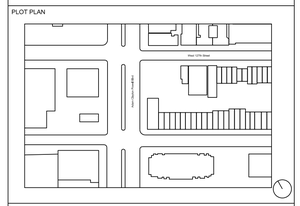


REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

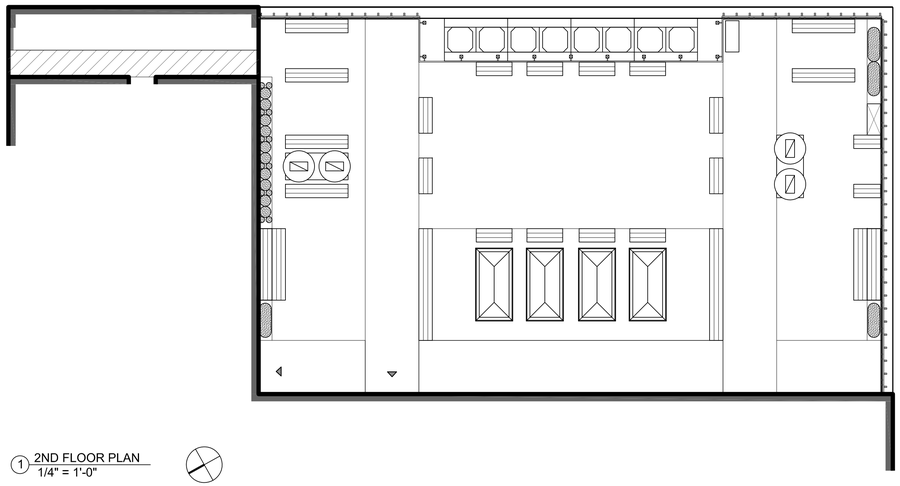
2ND & 9TH FLOOR TERRACES

LAYOUT PLAN

DRAWING #:

L201.00

DATE:	DRAWN BY:	JOB #:
06/19/2014	JTM	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
AS NOTED	SSS	



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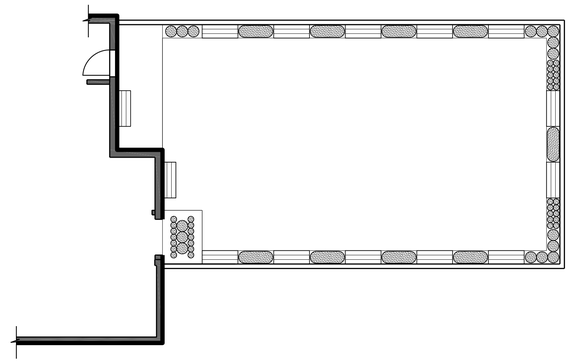

2 9TH FLOOR PLAN
1/4" = 1'-0"

PLANT SCHEDULE				
KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	CONTAINER
PERENNIALS				
Aa	15	*Achillea* 'Anthea'	Yarrow	#1 cont. or 3 qt.
As	15	*Aster spectabilis*	Showy Aster	#1 cont. or 3 qt.
At	15	*Amsonia tabernaemontana* 'Blue Ice'	Bluestar	#1 cont. or 3 qt.
Av	15	*Astilbe chinensis* 'Visions'	Chinese Astilbe	#1 cont. or 3 qt.
Cf	15	*Corydalis flexuousa* 'China Blue'	Blue Corydalis	#SP4 or 1 qt.
Cv	15	*Coreopsis verticillata* 'Moonbeam'	Threadleaf Coreopsis	#1 cont. or 4 qt.
Ep	15	*Echinacea purpurea* 'Magnus'	Cone Flower	#1 cont. or 3 qt.
Gm	15	*Geranium maculatum*	Wild Geranium	#1 cont. or 3 qt.
Ig	15	*Iris germanica* 'Immortality'	Iris	#1 cont. or 3 qt.
Nd	15	*Nepeta racemosa* 'Dropmore'	Catmint	#1 cont. or 3 qt.
Ol	15	*Origanum laevigatum*	Flowering Oregano	#1 cont. or 3 qt.
Ox	15	*Oxalis crassipes* 'Rosea'	Everblooming Wood Sorrel	#SP4 or 1 qt.
Sj	15	*Sedum* 'Bertram Anderson'	Blackleaf Stonecrop	#SP4 or 1 qt.
Sx	15	*Salvia x superba* 'May Night'	Garden Sage	#1 cont. or 3 qt.
Vp	15	*Viola pedata*	Bird's Foot Violet	#SP4 or 1 qt.
BULBS				
Hd	15	*Hemerocallis* 'Stella d'Oro'	Daylily	#1 cont. or 3 qt.
Hs	15	*Hemerocallis* 'Spellbinder'	Daylily	#1 cont. or 4 qt.
Tj	15	*Tricyrtis* 'Tojen'	Toadlily	#1 cont. or 3 qt.
FERNS				
Af	15	*Athyrium filix-femina* 'Victoriae'	Victorian Lady Fern	#1 cont. or 3 qt.
Dp	15	*Dennstaedtia punctilobula*	Hay-scented Fern	#1 cont. or 3 qt.
GRASSES				
Ag	15	*Andropogon gerardii*	Big Bluestem	#1 cont. or 4 qt.
Cl	15	*Chasmanthium latifolium*	Wild Oats	#1 cont. or 4 qt.
Po	15	*Pennisetum orientale* 'Karley Rose'	Fountain Grass	#1 cont. or 4 qt.
Sc	15	*Schizachyrium scoparium?*	Little Blue Stem?	#SP4 or 4" pot
Sn	15	*Sorghastrum nutans*	Indian Grass	#1 cont. or 4 qt.
Sp	15	*Spodiopogon sibiricus*	Frost Grass	#1 cont. or 4 qt.
GROUNDCOVERS				
Gl	15	*Gazania linearis*	Hardy Gazania	#SP4 or 1 qt.
Lf	15	*Laurentia fluviatilis*	Blue Star Creeper	#SP4 or 1 qt.
Tm	15	*Thymus* 'Mint'	Thyme	#SP4 or 1 qt.
Ps	15	*Phlox subulata* 'White Delight'	Creeping Phlox	#SP4 or 1 qt.
Vp	15	*Viola pedata*	Bird's Foot Violet	#SP4 or 1 qt.
Vw	15	*Veronica* 'Waterperry'	Speedwell	#SP4 or 1 qt.

PLANTING CONTAINERS SCHEDULE		
QUANTITY	SYMBOL	TYPE
50	○	A
30	◯	B
13	⬭	C

MATERIALS NOTES:

1. ALL MATERIAL DESIGNATIONS INDICATED ON THE CONTRACT DRAWINGS ARE DESCRIPTIVE IN NATURE. FOR A FULL EXPLANATION OF THE MATERIAL REQUIREMENTS SEE THE RELEVANT SECTIONS IN THE CONTRACT SPECIFICATIONS.
2. THE CONTRACTOR SHALL BRING TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY ANY DISCREPANCY BETWEEN THE CONTRACT DRAWINGS AND THE SPECIFICATIONS.
3. ALL MATERIALS DELIVERED TO THE SITE SHALL BE STORED IN A RESPONSIBLE WAY TO PROTECT AGAINST DAMAGE OR DETERIORATION IN ANY WAY. THE ARCHITECT RESERVES THE RIGHT TO REJECT ANY MATERIAL THAT HARLEM DOWLING OR PROJECT ARCHITECT DETERMINES TO BE DAMAGED OR COMPROMISED IN ANY WAY. NO MATERIALS MAY BE STORED OR STOCKPILED WITHIN THE LIMITS OF DRIPLINES OF EXISTING TREES. REJECTED MATERIAL MUST BE REMOVED FROM THE PROJECT SITE AT NO ADDITIONAL EXPENSE TO HARLEM DOWLING.
4. ALL MATERIAL SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS UNLESS SPECIFICALLY DIRECTED OTHERWISE BY HARLEM DOWLING OR THE PROJECT ARCHITECT.
5. THE CONTRACTOR SHALL PROVIDE WARRANTY AND MAINTENANCE INFORMATION TO HARLEM DOWLING FOR ALL APPLICABLE MATERIALS IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS.
6. THE CONTRACTOR SHALL DELIVER EXTRA MATERIALS AS CALLED FOR IN THE CONTRACT SPECIFICATIONS TO THE HOSPITAL AT AN AGREED UPON LOCATION.

PLANTING NOTES:

1. ALL PLANT MATERIAL SHALL BE GROWN FROM CERTIFIED NURSERY STOCK. NO MATERIAL SHALL BE HARVESTED FROM THE WILD.
2. MUCH OF THE SPECIFIED PLANT MATERIAL MAY NOT BE AVAILABLE IN SUFFICIENT QUANTITIES AT THE REQUIRED TIME UNLESS THE CONTRACTOR ENTERS INTO DELIVERY OR CUSTOM GROWING AGREEMENTS WITH PLANT GROWERS TO SECURE AVAILABILITY OF PLANT STOCKS. PROOF OF PLANT RESERVATIONS SHALL BE SUBMITTED WITHIN THIRTY DAYS OF CONTRACT AWARD. CONTRACTOR IS ADVISED THAT SUCH AGREEMENT MAY REQUIRE DOWN PAYMENT FOR THE MERCHANDISE.
3. THE ARCHITECT RESERVES THE RIGHT TO INSPECT PLANT MATERIAL AT THE GROWING SITE.
4. THE ARCHITECT RESERVES THE RIGHT TO REJECT UNSUITABLE PLANT MATERIAL DELIVERED TO THE SITE. REJECTED MATERIAL SHALL BE REMOVED FORM THE SITE AT NO EXPENSE TO HARLEM DOWLING.
5. PLANT MATERIAL STORED AT THE PROJECT SITE SHALL BE MAINTAINED IN A HEALTHY CONDITION. ANY MATERIAL WHICH THE ARCHITECT DETERMINES TO BE UNSUITABLE SHALL BE REMOVED FROM THE PROJECT SITE AT NO EXPENSE TO THE HARLEM DOWLING.
6. THE CONTRACTOR SHALL MARK THE BOUNDARIES BETWEEN DIFFERENT PLANTING ZONES –WETLAND BASINS, MARGINS, MEADOWS AND TURF LAWN –AT THE COMPLETION OF FINISHED GRADING OPERATIONS WITH SURVEYORS STAKES AND/OR MARKING PAINT FOR APPROVAL BY THE ARCHITECT. THE ARCHITECT MAY DIRECT THE CONTRACTOR TO MAKE ADJUSTMENTS TO THE LIMITS OF THE PLANTING AREAS. THE CONTRACTOR SHALL MAKE SUCH MODIFICATIONS AT NO ADDITIONAL EXPENSE TO HARLEM DOWLING. NO PLANTING SHALL COMMENCE UNTIL THE ARCHITECT APPROVES THE LAYOUT OF THE PLANTED AREAS AS INDICATED IN THE FIELD.
7. ALL PLANT MATERIAL SHALL BE LOCATED IN THE FIELD BY THE CONTRACTOR WITH THE ARCHITECT PRESENT UNLESS THE ARCHITECT SPECIFICALLY GRANTS APPROVAL TO PROCEED BASED ON DESIGNATED LOCATIONS OF PLANT MATERIAL PREVIOUSLY APPROVED BY THE ARCHITECT.
8. THE CONTRACTOR SHALL PREPARE ALL PLANTING AREAS TO THE SATISFACTION OF HARLEM DOWLING AND THE PROJECT ARCHITECT PRIOR TO PROCEEDING WITH PLANTING. THIS INCLUDES INSTALLATION OF THE PROPER SOIL MEDIUMS AND PREPARATION OF FINISHED GRADE. THE CONTRACTOR SHALL MAKE ALL MODIFICATIONS AS DIRECTED BY THE ARCHITECT PRIOR TO PROCEEDING WITH PLANTING.
9. IN THE WETLAND SWALE PLANTING AREAS, THE CONTRACTOR SHALL NOT PROCEED WITH THE PLANTING OF THE WETLAND BASINS UNTIL THE DELINEATION IS APPROVED IN THE FIELD BY THE LANDSCAPE ARCHITECT.
10. THE CONTRACTOR SHALL SCHEDULE WORK TO PERFORM PLANTING OPERATIONS WITHIN THE SPECIFIED PLANTING PERIODS AND TO COMPLETE THE PROJECT WITHIN THE TIME LIMITS OF THE CONTRACT. THE CONTRACTOR SHALL NOT PLANT OUTSIDE OF THE PLANTING PERIODS INDICATED IN THE SPECIFICATIONS WITHOUT WRITTEN CONSENT OF THE ARCHITECT.
11. THE CONTRACTOR SHALL MAINTAIN PLANTS AS INDICATED IN THE CONTRACT SPECIFICATIONS FOR THE TIME PERIOD INDICATED.
12. THE CONTRACTOR SHALL ABIDE BY ALL PLANT WARRANTIES AS INDICATED IN THE CONTRACT SPECIFICATIONS. THE CONTRACTOR SHALL REMOVE DEAD PLANT MATERIAL PROMPTLY UPON DISCOVERY AND REPLACE WITH NEW PLANTING MATERIAL IN THE NEXT PLANTING SEASON.
13. THE CONTRACTOR WILL NEED TO RE-POT ALL PLANTS FROM THE ORIGINAL CONTAINER IN WHICH THE PLANT ARRIVED FROM THE NURSERY TO GALVANIZED BUCKETS OR TROUGHS THAT ARE BIGGER THAN THE ORIGINAL CONTAINER. CONTRACTOR MUST DRILL HOLES IN THE BOTTOM OF EACH CONTAINER PER POT DETAIL IF HOLES ARE NOT PRE-DRILLED ALREADY. CONTRACTOR MUST PREPARE ALL POTS PER POT DETAIL PRIOR TO INSTALLATION OF PLANTS.

PROJECT:

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2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling
West Side Center for Children and Family Services

ARCHITECT:

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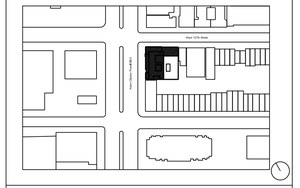
PLOT PLAN



REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

2ND & 9TH FLOOR TERRACES

PLANTING PLAN

DRAWING #:

L301.00

DATE:	DRAWN BY:	JOB #:
06/19/2014	JTM	10.09
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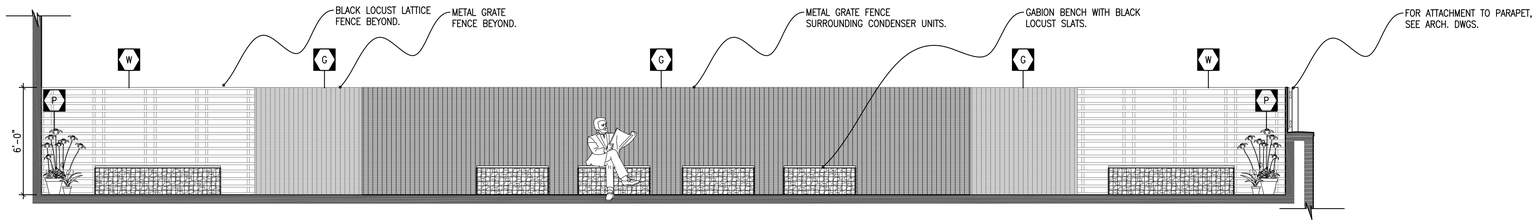
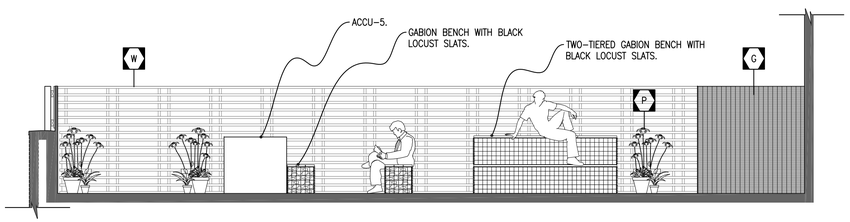
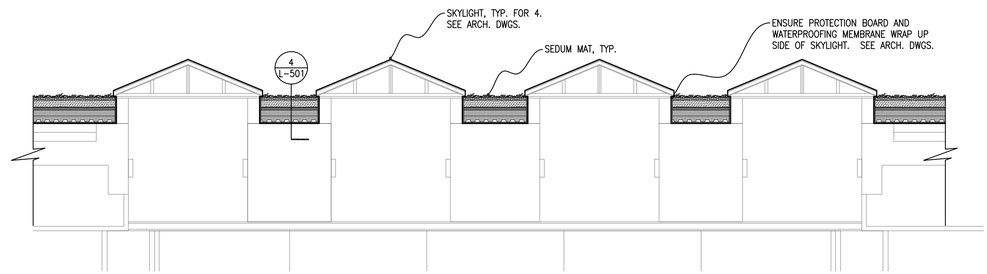
AS NOTED	SSS	



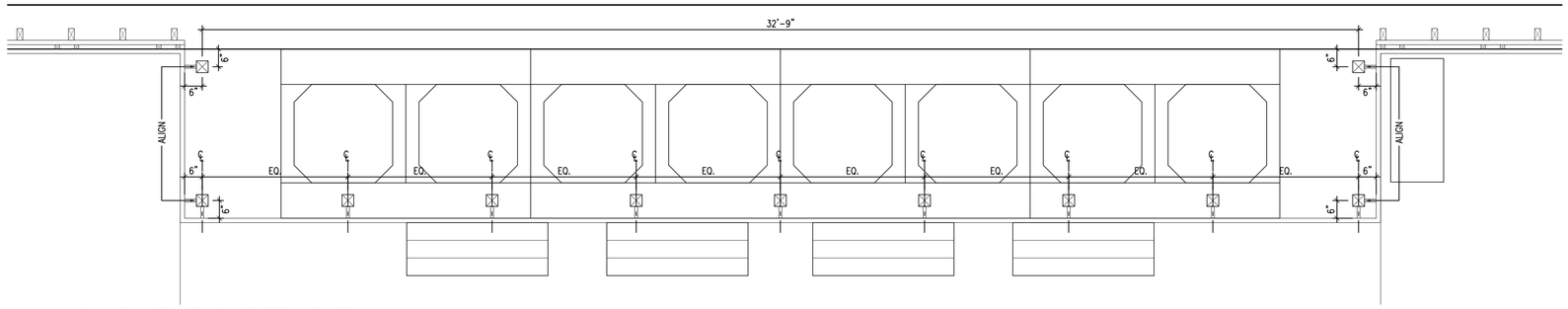
1 N-S SECTION
1/4" = 1'-0"



2 E-W SECTION
1/4" = 1'-0"



3 SKYLIGHT SECTION
1/2" = 1'-0"



4 PLAN ENLARGMENT - CONDENSER UNIT AREA
1/2" = 1'-0"

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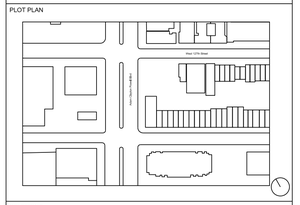
PLOT PLAN



REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

2ND & 9TH FLOOR TERRACES
SECTIONS AND ENLARGEMENTS

DRAWING #:

L401.00

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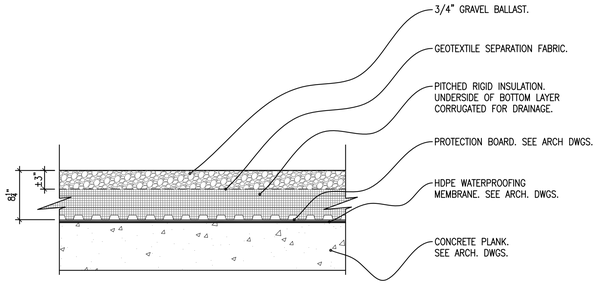
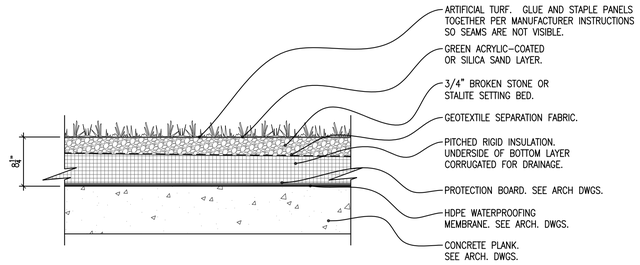
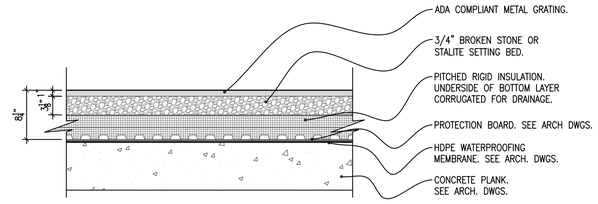


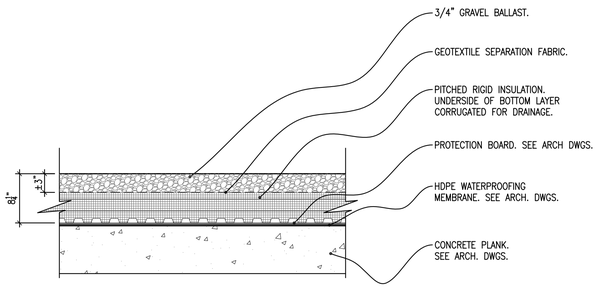
1 GRAVEL BALLAST DRIP STRIP
1" = 1'-0"



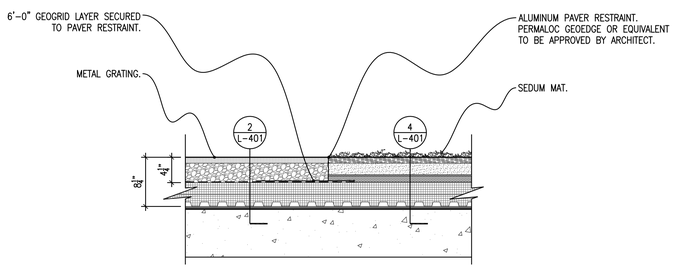
2 ARTIFICIAL TURF
1" = 1'-0"



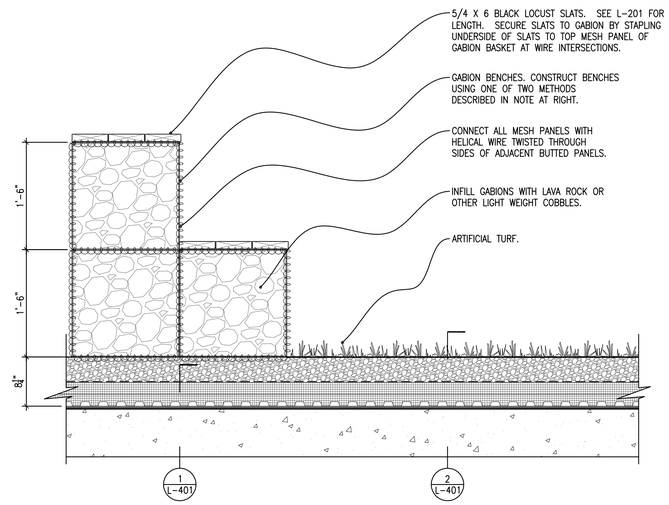
3 METAL GRATING
1" = 1'-0"



4 SEDUM MAT
1" = 1'-0"



5 METAL GRATING @ SEDUM MAT
1" = 1'-0"

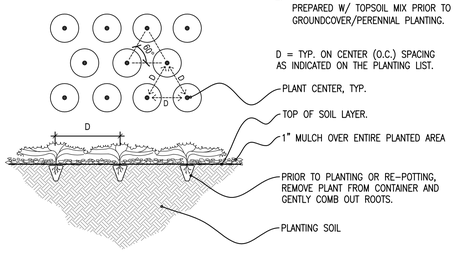


6 GABION BENCH
1" = 1'-0"

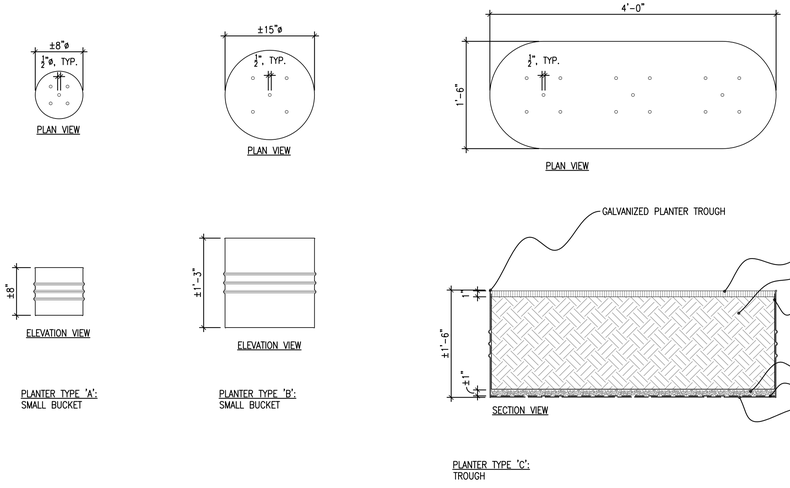
GABION CUBES: 18"W X 18"H. SEE LAYOUT PLAN FOR NUMBER OF BASKETS NECESSARY TO ACHIEVE LENGTH. 3 X 3, 9 GAUGE OR 4.55MM WIRE MESH PANELS PER GABION CUBE. DOUBLE-TIER GABION SEATING COMPRISES 3 CONNECTED ROWS OF GABION CUBES. GABIONS REST ON GRAVEL BALLAST THAT CONTINUES UNDER ENTIRE FOOTPRINT OF BENCH.

GABION BASKETS: DIFFER FROM CUBES IN THAT EACH BENCH IS ONE CONTINUOUS VOLUME, NOT SEGMENTED VOLUMES. 18"W X 18"H. SEE LAYOUT PLAN FOR LENGTH OF GABION BASKET. 3 X 3, 9 GAUGE OR 4.55MM WIRE MESH PANELS, 6 PANELS PER GABION BASKET. DOUBLE-TIER GABION SEATING COMPRISES 3 CONNECTED GABION BASKETS. FOR BENCHES LONGER THAN 3'-0", USE SPANISH WINDLASS TO KEEP SIDES FROM BULGING. GABIONS REST ON GRAVEL BALLAST THAT CONTINUES UNDER ENTIRE FOOTPRINT OF BENCH.

NOTES:
1. REMOVE ALL WIRE, PLASTIC, TAGS OR OTHER SYNTHETIC MATERIAL FROM PLANTS PRIOR TO PLANTING.
2. CONTINUOUS BEDS SHALL BE PREPARED W/ TOPSOIL MIX PRIOR TO GROUNDCOVER/PERENNIAL PLANTING.



7 METAL GRATING @ SEDUM MAT
1/2" = 1'-0"



PLANTER TYPE 'A':
SMALL BUCKET

PLANTER TYPE 'B':
SMALL BUCKET

PLANTER TYPE 'C':
TROUGH

NOTES:
1. ALL POTS AND TROUGHS ARE GALVANIZED METAL.
2. DIAMETER OR WIDTH OF BASE MUST NOT EXCEED WIDTH OF GRAVEL DRIP STRIP.
3. IF PLANT COMES IN A #SP4 OR 1 QT. CONTAINER, SPACING BETWEEN PLANTS SHOULD BE 8" O.C. IF PLANT COMES IN A 3 QT. CONTAINER OR LARGER, SPACING BETWEEN PLANTS SHOULD BE 12" O.C.
4. THIS SECTION PROFILE IS TYPICAL FOR ALL PLANTER TYPES.
5. DRAINAGE MAT FOR PLANTERS MAY BE USED AS AN ALTERNATIVE TO THE GRAVEL LAYER.

8 GALVANIZED PLANTERS
1" = 1'-0"

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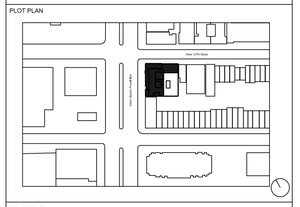
PLOT PLAN



REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

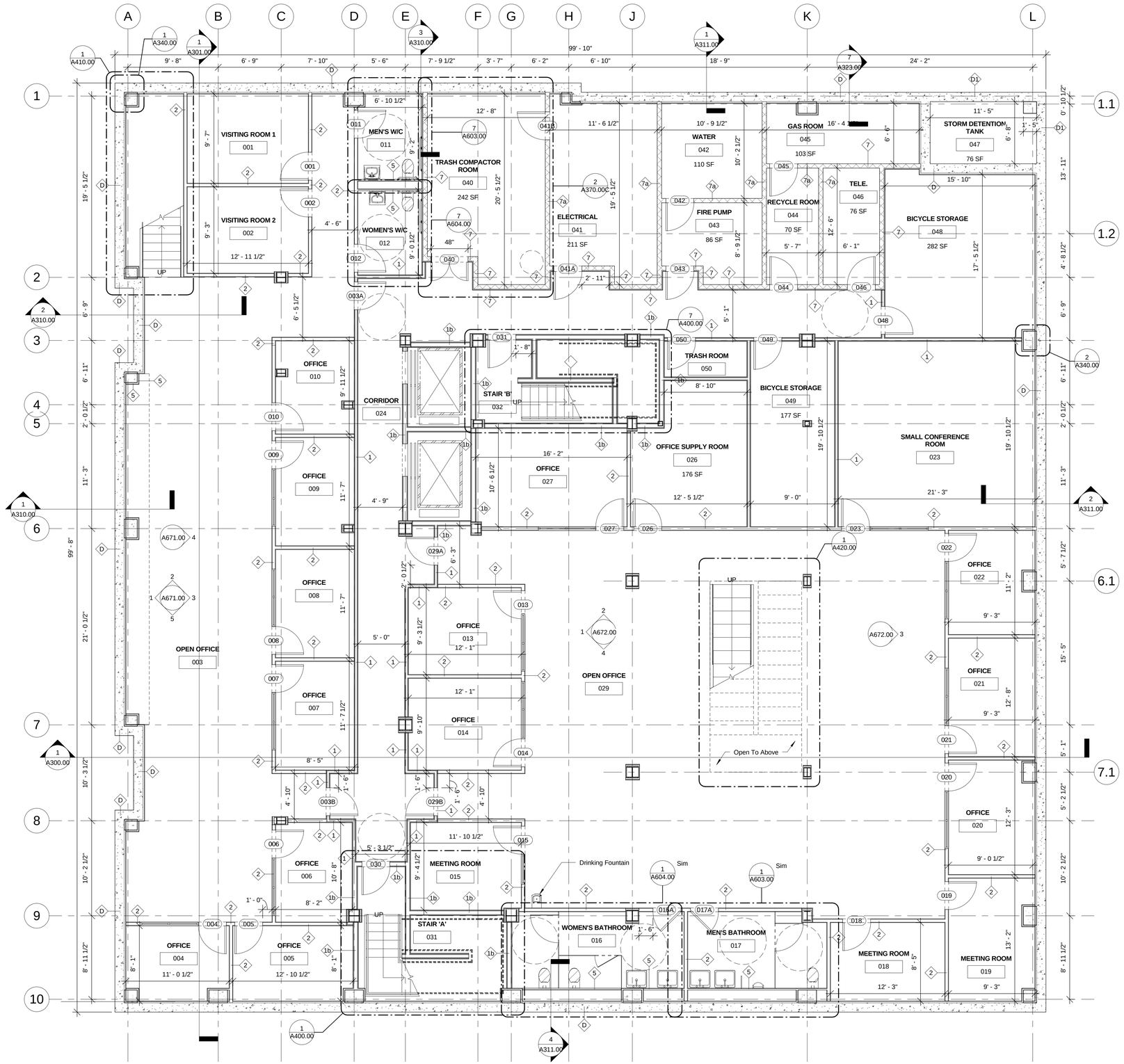
2ND & 9TH FLOOR TERRACES

DETAILS

DRAWING #:

L501.00

DATE:	DRAWN BY:	JOB #:
06/19/2014	JTM	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
AS NOTED	SSS	4 of 4



1 CELLAR FLOOR
3/16" = 1'-0"

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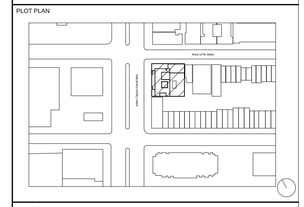
PLOT PLAN



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BUILDING DEPARTMENT #:

121908132

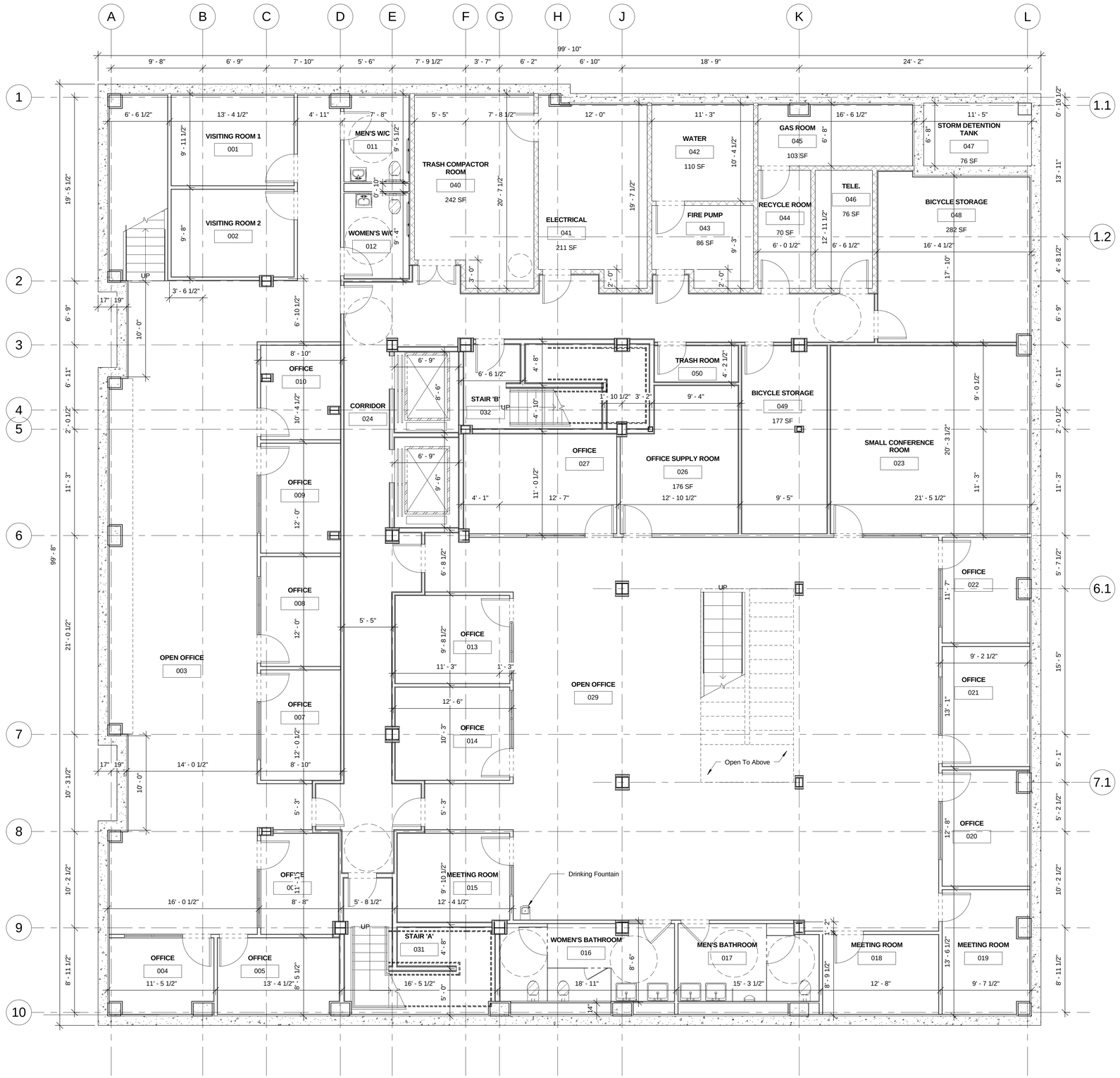
DRAWING TITLE:

CELLAR PLAN

DRAWING #:

A100.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
3/16" = 1'-0"	SSS	



1 CELLAR FLOOR
3/16" = 1'-0"

PROJECT:

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SPONSOR:

Harlem Dowling

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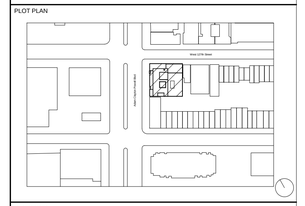


REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

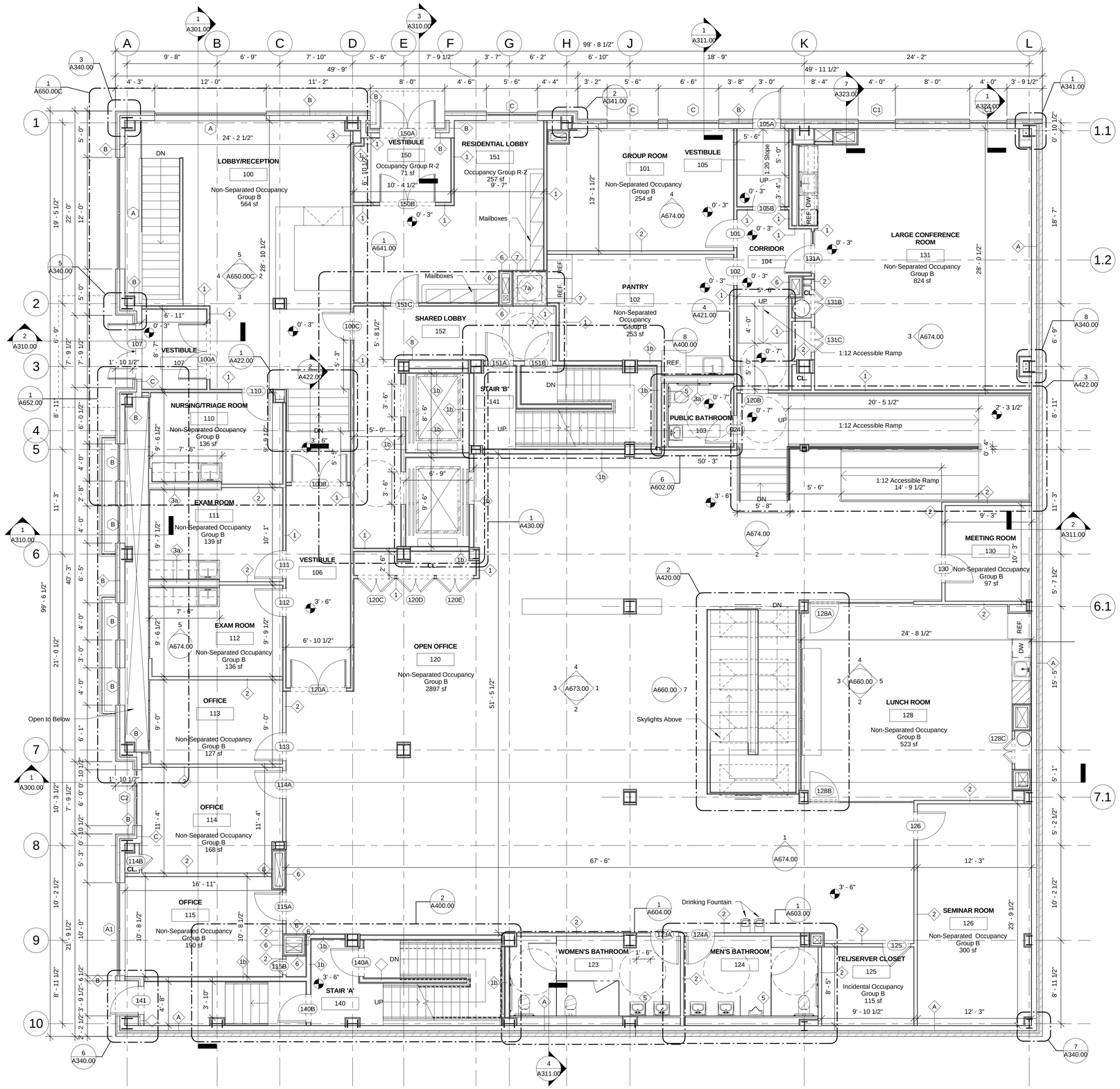
DRAWING TITLE:

CELLAR LAYOUT PLAN

DRAWING #:

A101.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
3/16" = 1'-0"	SSS	



1 GROUND FLOOR PLAN
3/16" = 1'-0"

PROJECT:

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CONSULTANTS:

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De Nardis Engineering, LLC
15 Reservoir Road
White Plains, NY 10363-2516
Tel: 914.948.8844 Fax: 914.948.8868

MEP Engineers:

Ettinger Engineering Associates
505 Eighth Avenue, 24th Floor
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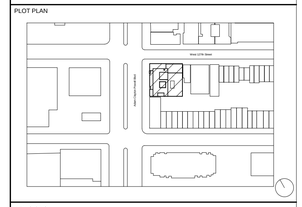
Cell: 516-319-9360
Fax: 212-643-1606

Expediting/Code Consulting:

P Wolfe Consultants. Inc.
291 Broadway, Suite 200
New York, NY 10007
Ph: 212-938-8000
Fax: 212-938-8008

PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

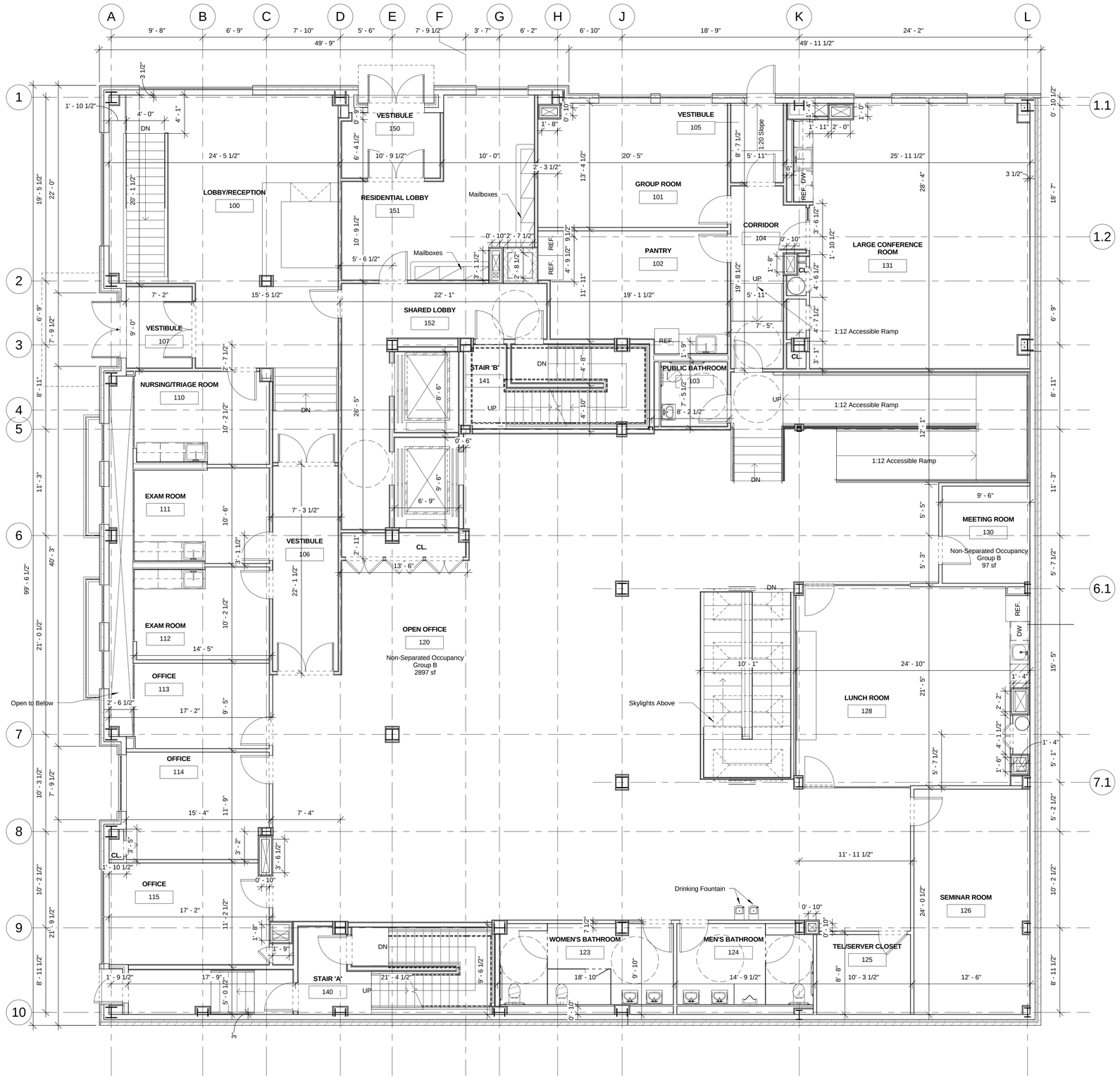
DRAWING TITLE:

FIRST FLOOR PLAN

DRAWING #:

A110.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
3/16" = 1'-0"	SSS	



1 GROUND FLOOR PLAN
3/16" = 1'-0"

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling

West Side Center for Children and Family Services

ARCHITECT:

THE OFFICE OF
SAMIR S. SHAH, ARCHITECT
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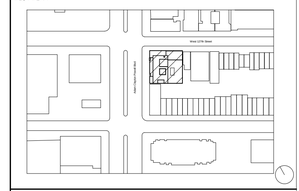


REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

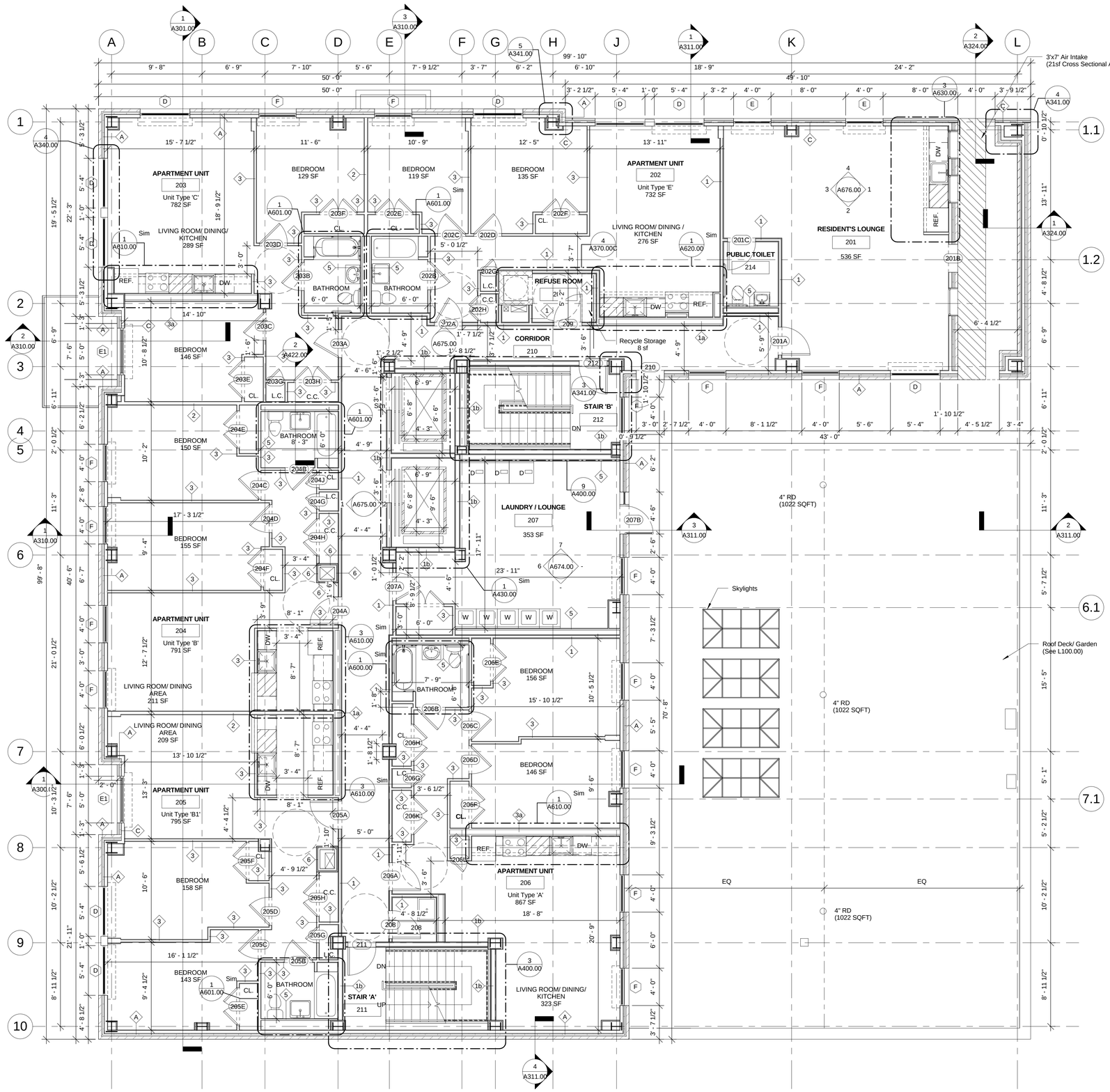
DRAWING TITLE:

FIRST FLOOR LAYOUT PLAN

DRAWING #:

A111.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
3/16" = 1'-0"	SSS	



1 SECOND FLOOR PLAN
3/16" = 1'-0"

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling

West Side Center for Children and Family Services

ARCHITECT:

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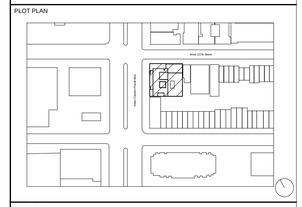
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

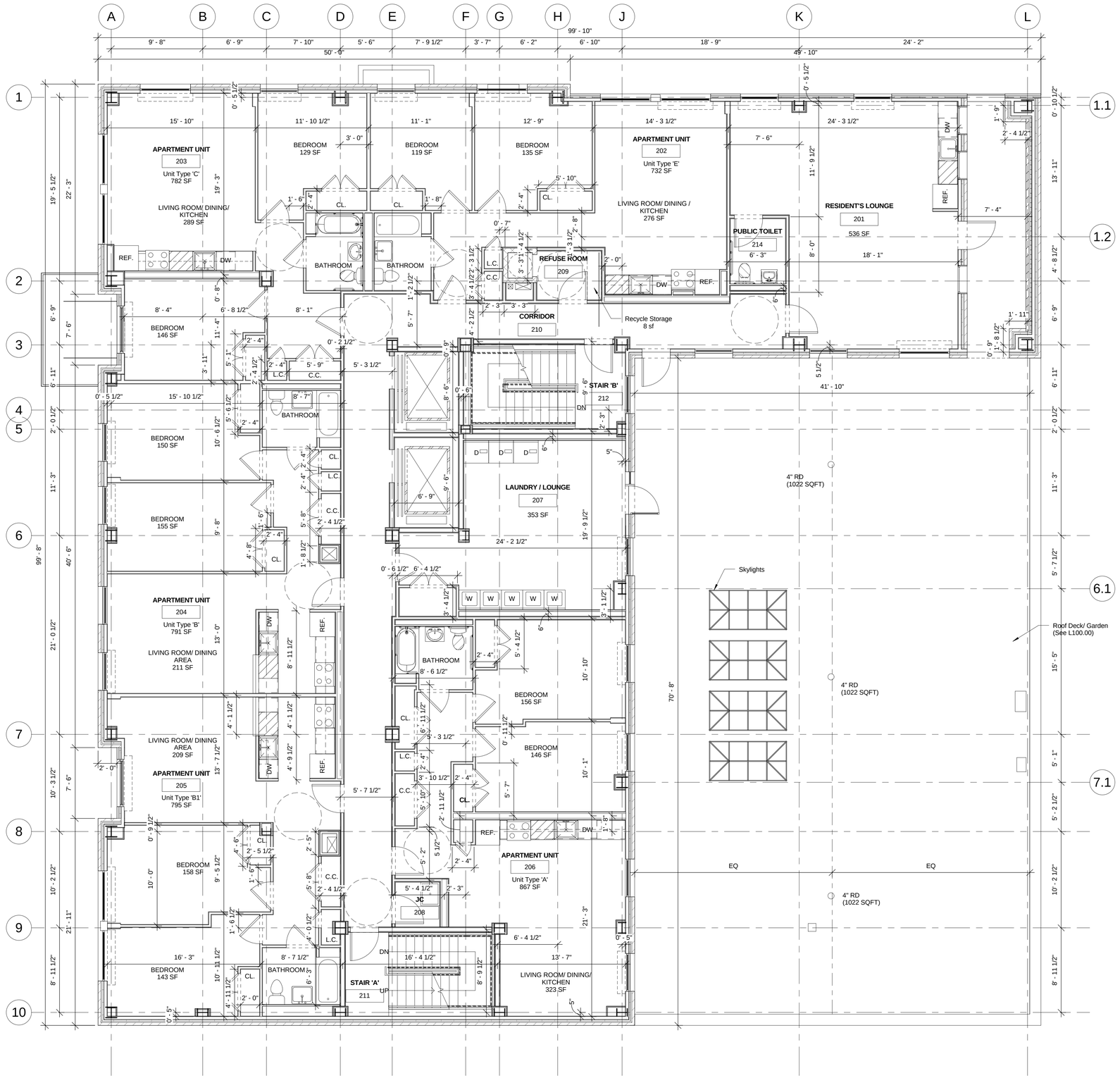
DRAWING TITLE:

SECOND FLOOR PLAN

DRAWING #:

A120.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
3/16" = 1'-0"	SSS	



1 SECOND FLOOR PLAN
3/16" = 1'-0"

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling

West Side Center for Children and Family Services

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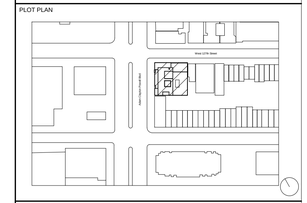


REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

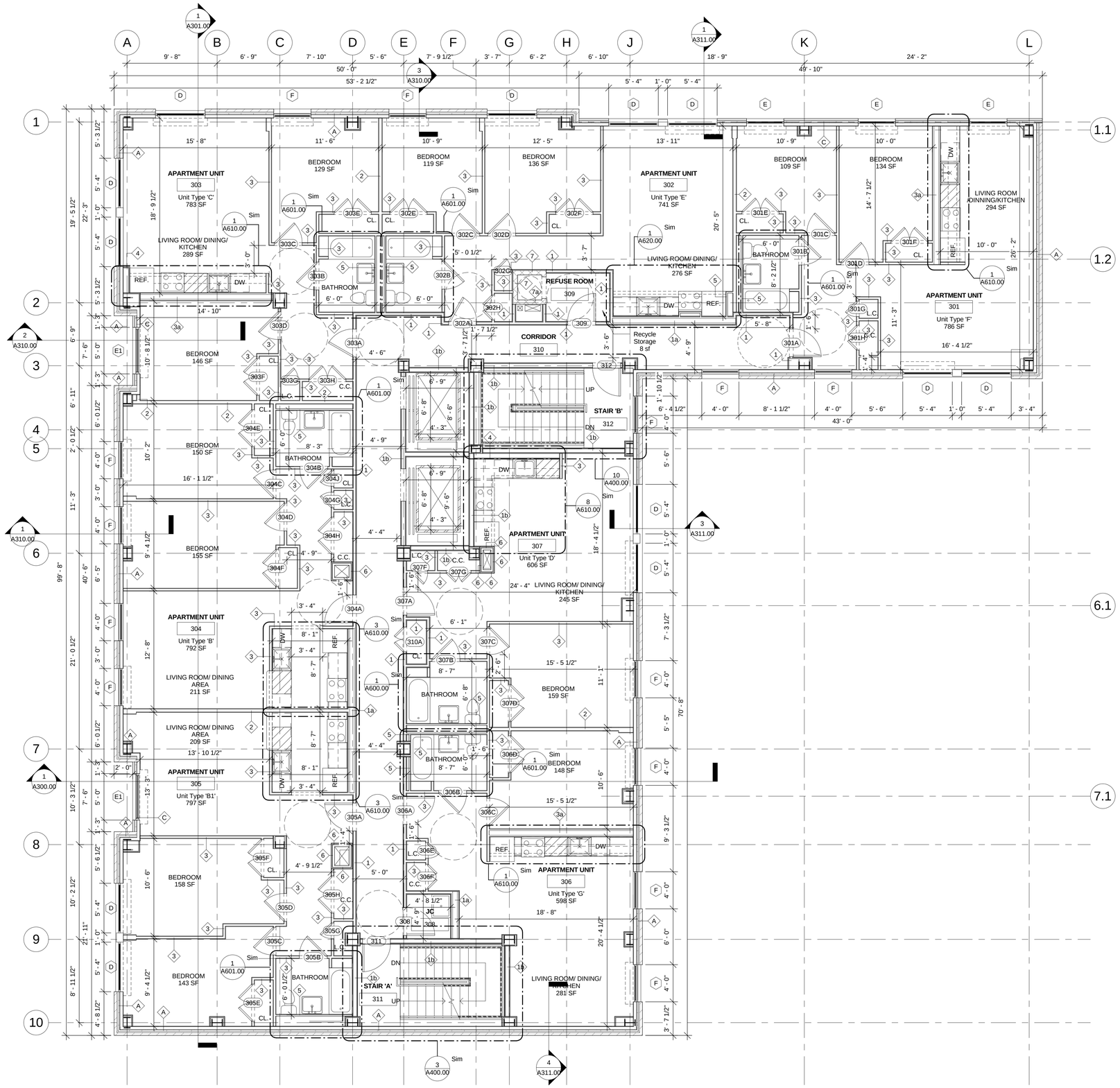
DRAWING TITLE:

SECOND FLOOR LAYOUT PLAN

DRAWING #:

A121.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
3/16" = 1'-0"	SSS	



1 TYPICAL FLOOR PLAN (3-8)
3/16" = 1'-0"

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling

West Side Center for Children and Family Services

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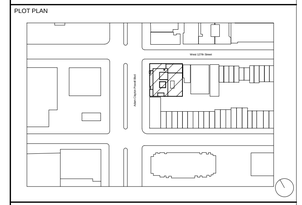
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

TYPICAL FLOOR PLAN (3-8)

DRAWING #:

A130.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
3/16" = 1'-0"	SSS	

1 TYPICAL FLOOR PLAN (3-8)
3/16" = 1'-0"

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling

West Side Center for Children and Family Services

ARCHITECT:

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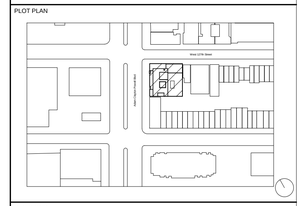
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

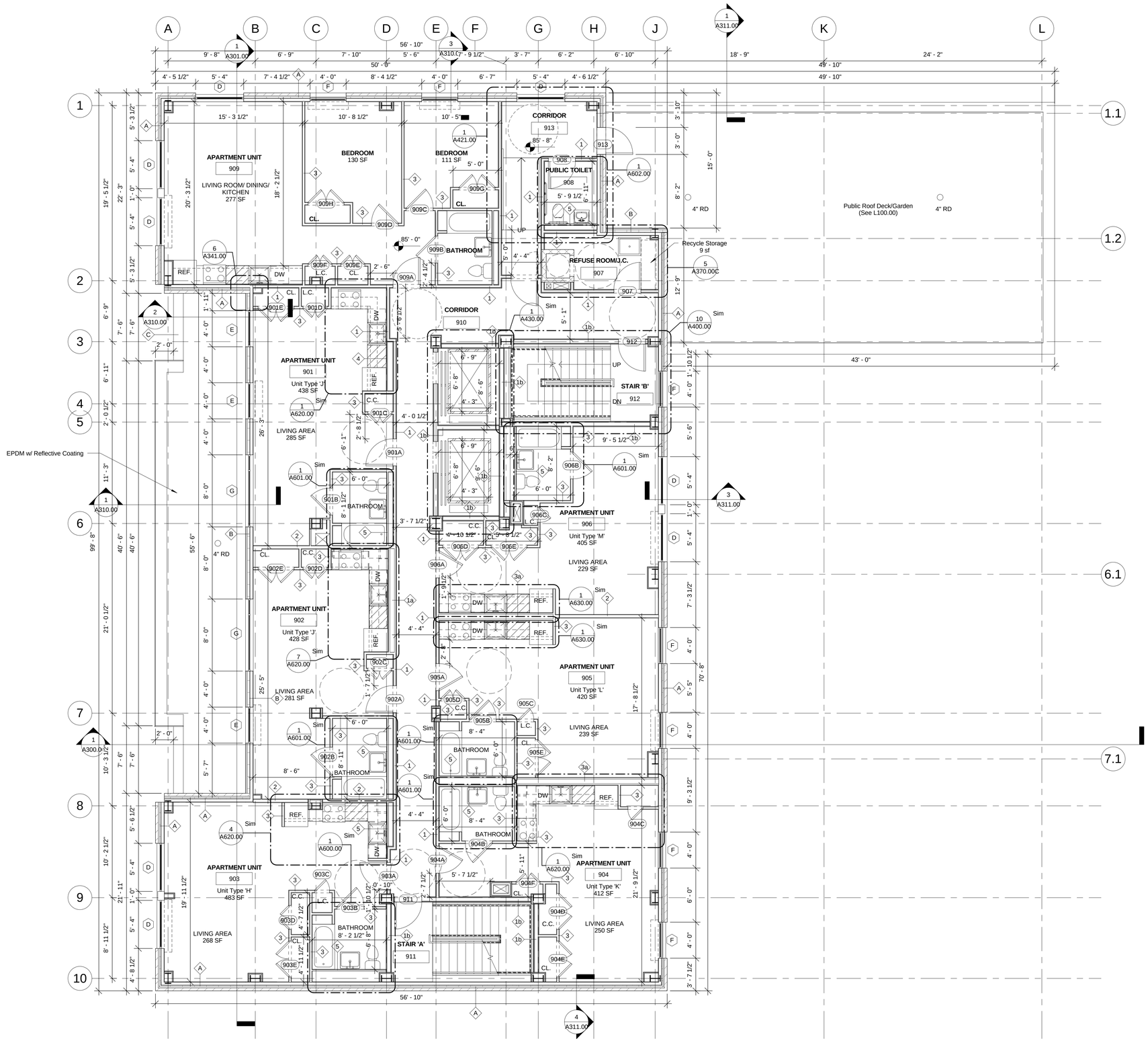
DRAWING TITLE:

TYPICAL FLOOR LAYOUT PLAN

DRAWING #:

A131.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
3/16" = 1'-0"	SSS	



1 NINTH FLOOR PLAN
3/16" = 1'-0"

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling

West Side Center for Children and Family Services

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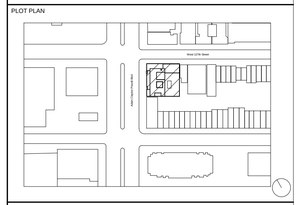
PLOT PLAN



REVISIONS:

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BUILDING DEPARTMENT #:

121908132

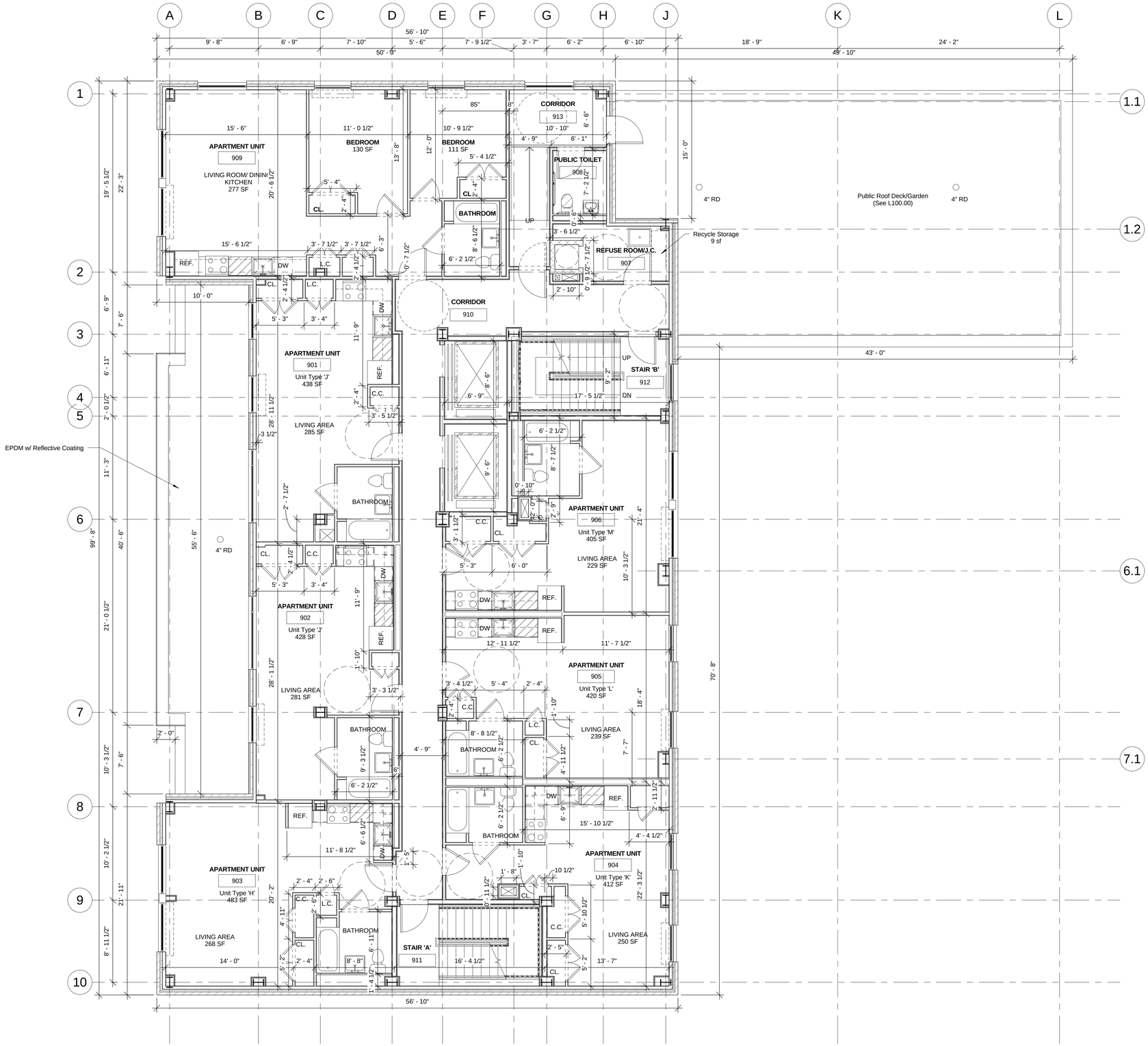
DRAWING TITLE:

NINTH FLOOR PLAN

DRAWING #:

A140.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
3/16" = 1'-0"	SSS	



1 NINTH FLOOR PLAN
3/16" = 1'-0"

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling

West Side Center for Children and Family Services

ARCHITECT:

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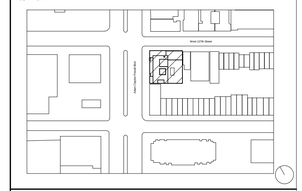
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

NINTH FLOOR LAYOUT PLAN

DRAWING #:

A141.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
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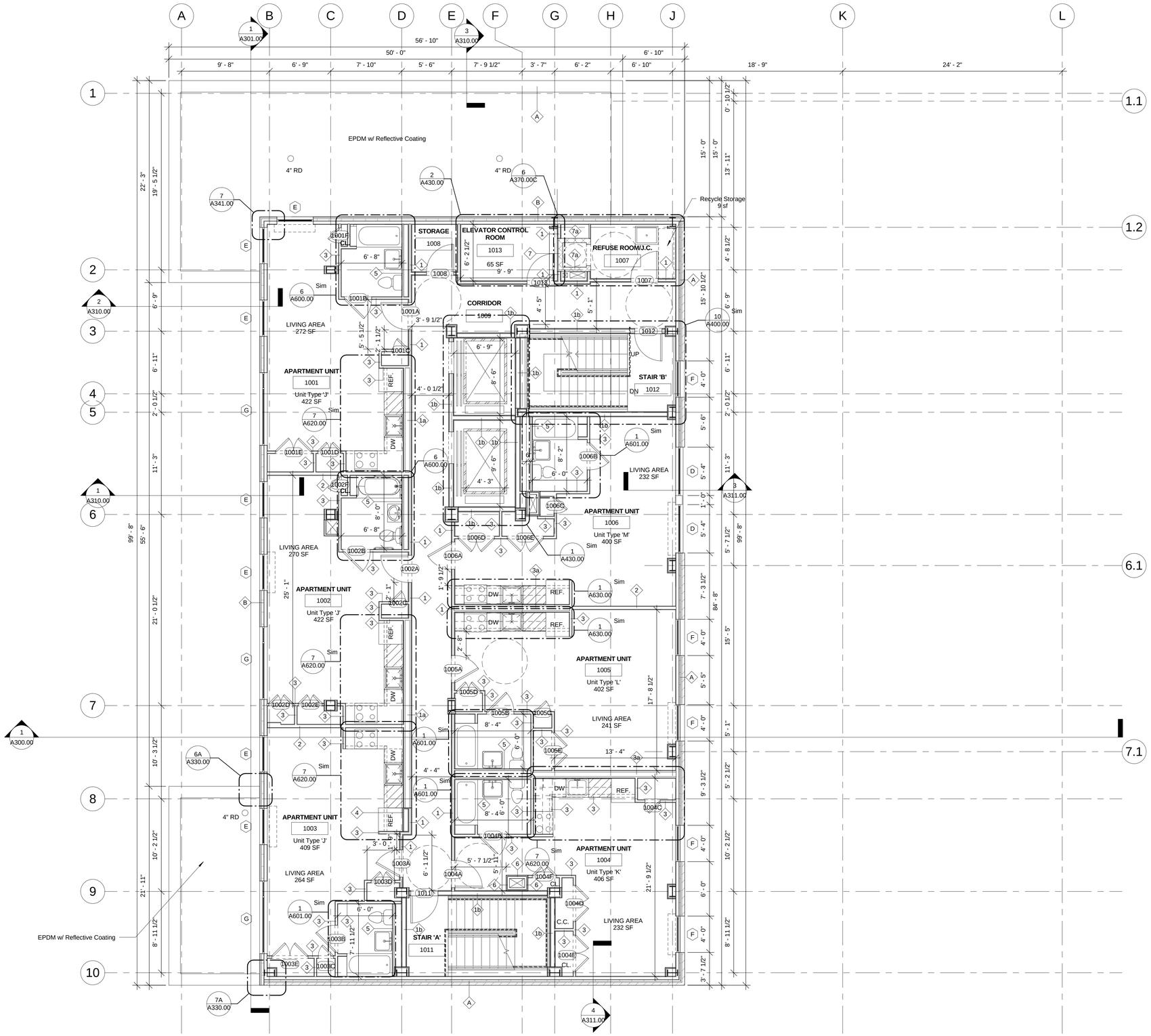

1 TENTH FLOOR PLAN
3/16" = 1'-0"

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling

West Side Center for Children and Family Services

ARCHITECT:

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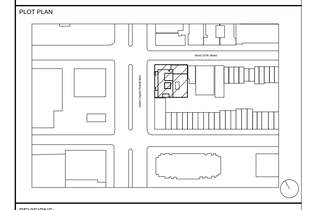


REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

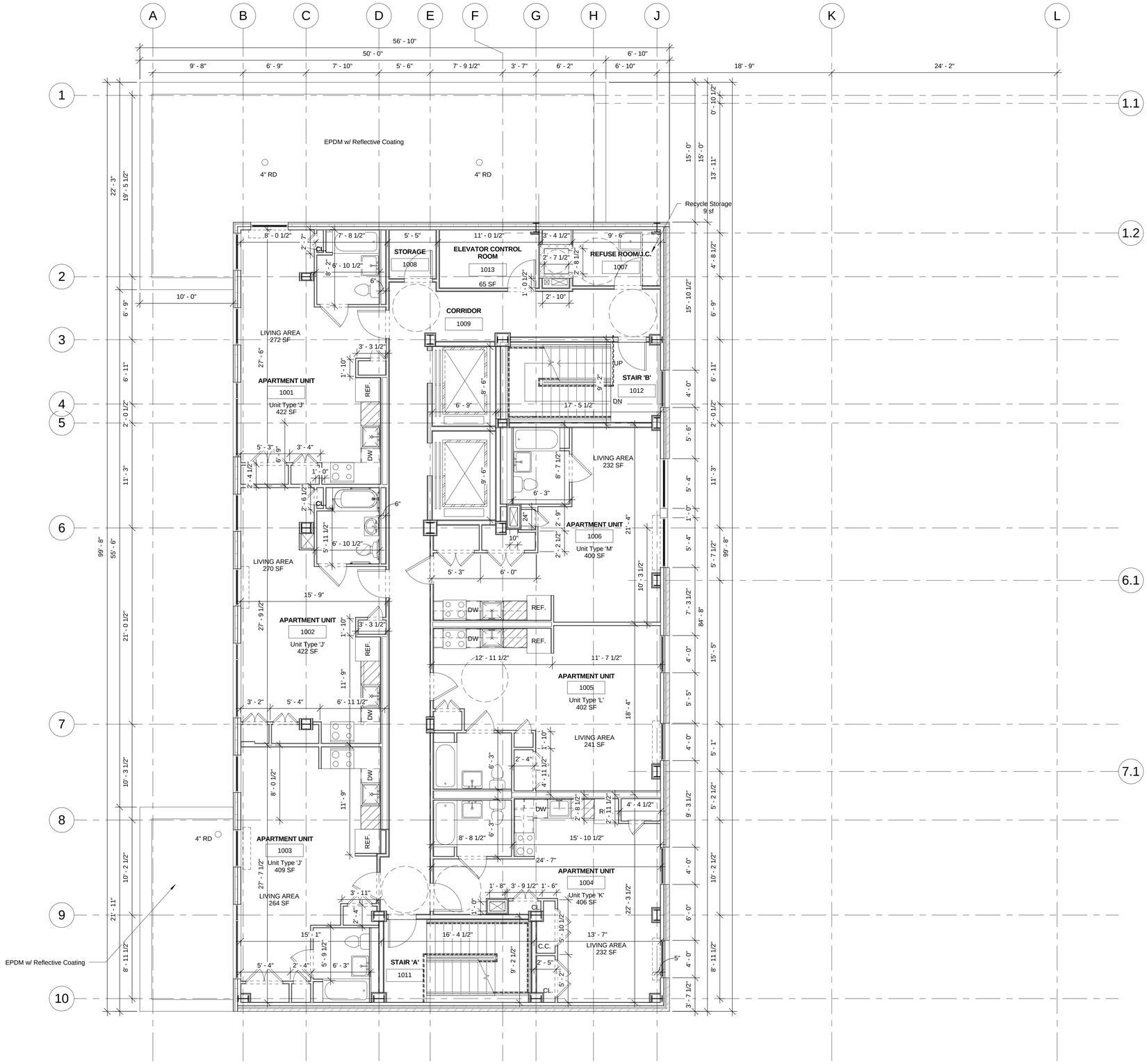
DRAWING TITLE:

TENTH FLOOR PLAN

DRAWING #:

A150.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
3/16" = 1'-0"	SSS	



1 TENTH FLOOR PLAN
3/16" = 1'-0"

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling

West Side Center for Children and Family Services

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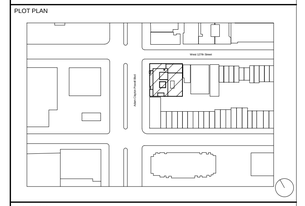


REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

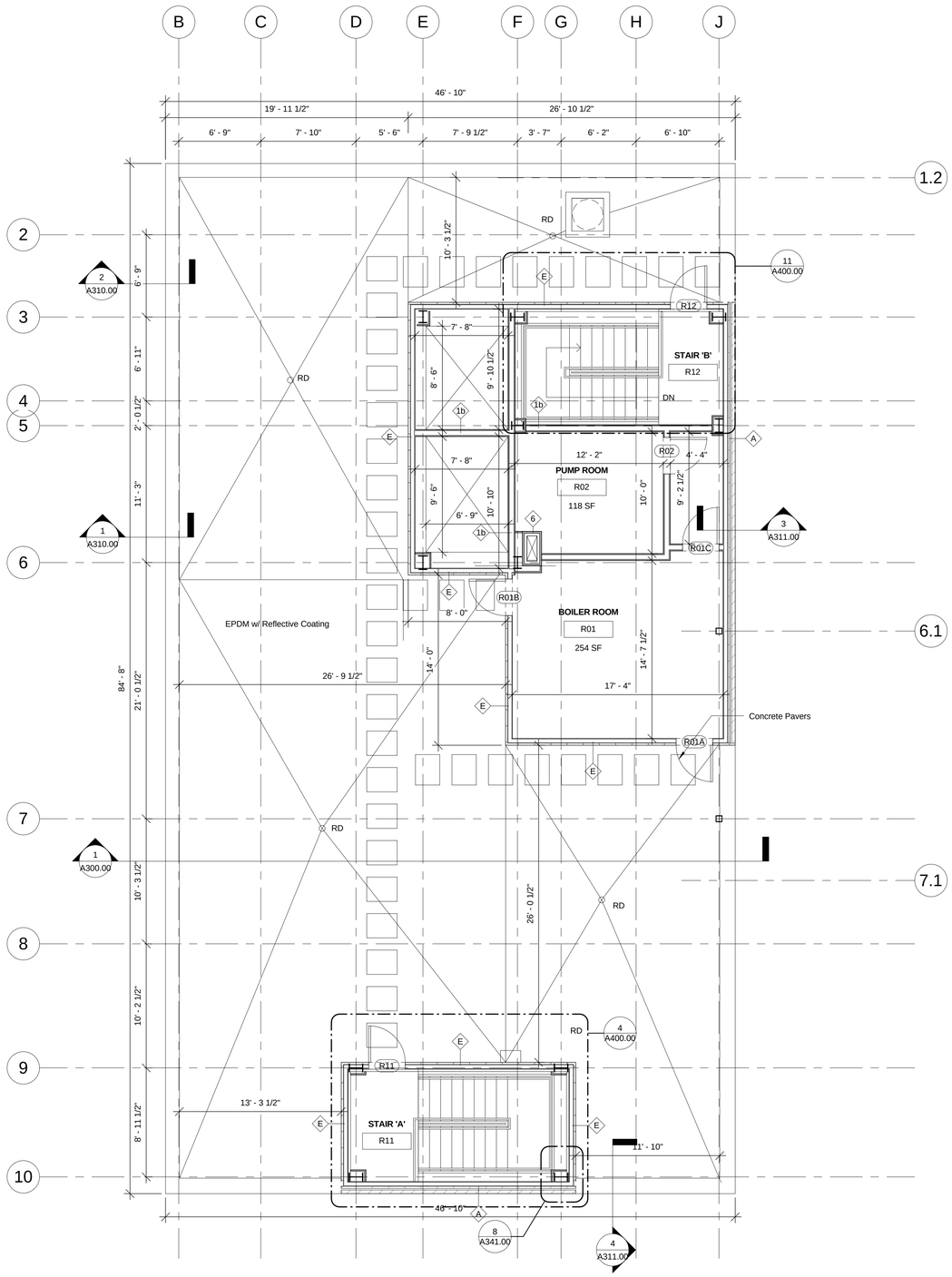
DRAWING TITLE:

TENTH FLOOR LAYOUT PLAN

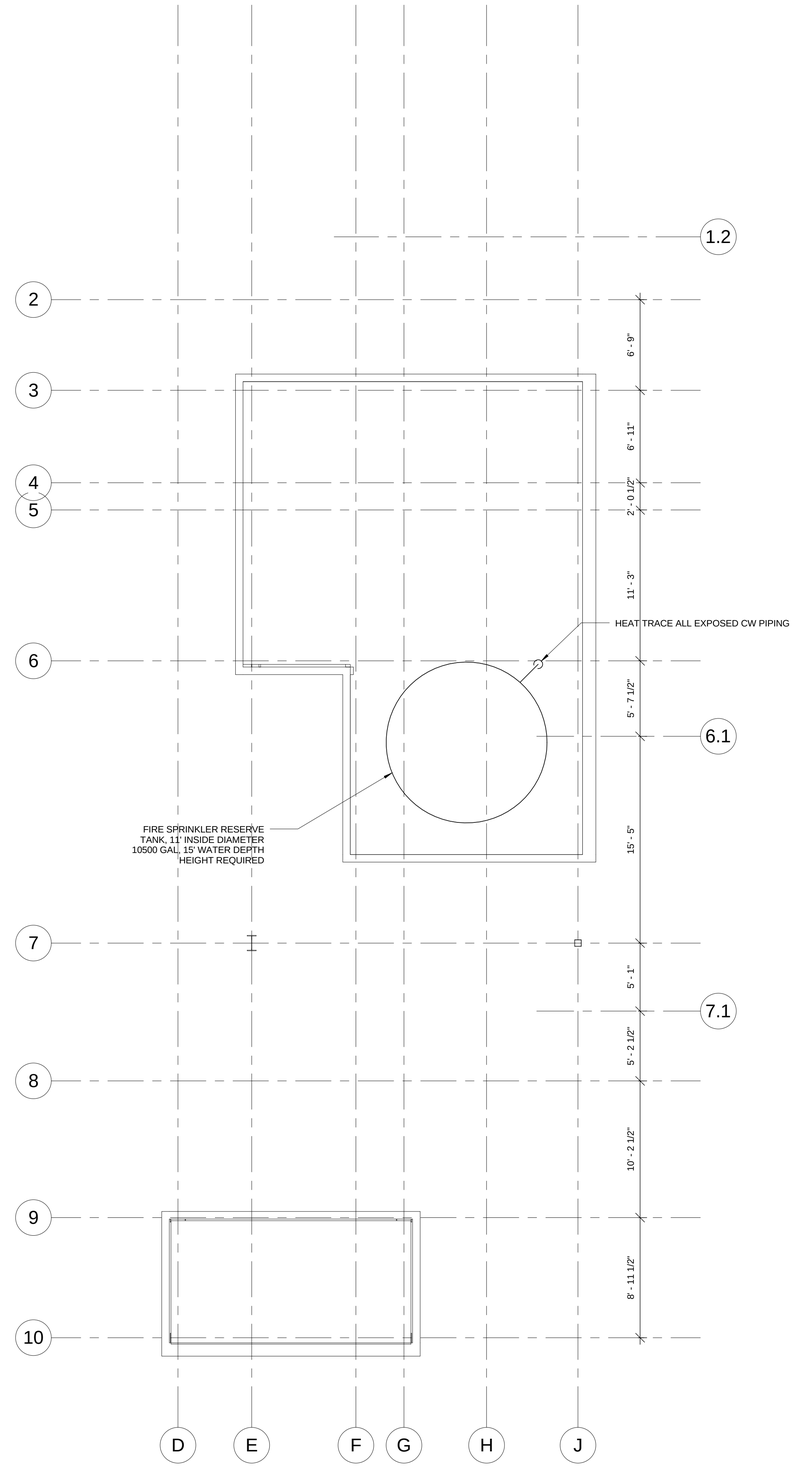
DRAWING #:

A151.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
3/16" = 1'-0"	SSS	



1 ROOF PLAN
3/16" = 1'-0"



2 BULKHEAD PLAN
3/16" = 1'-0"

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling

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PLOT PLAN

REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

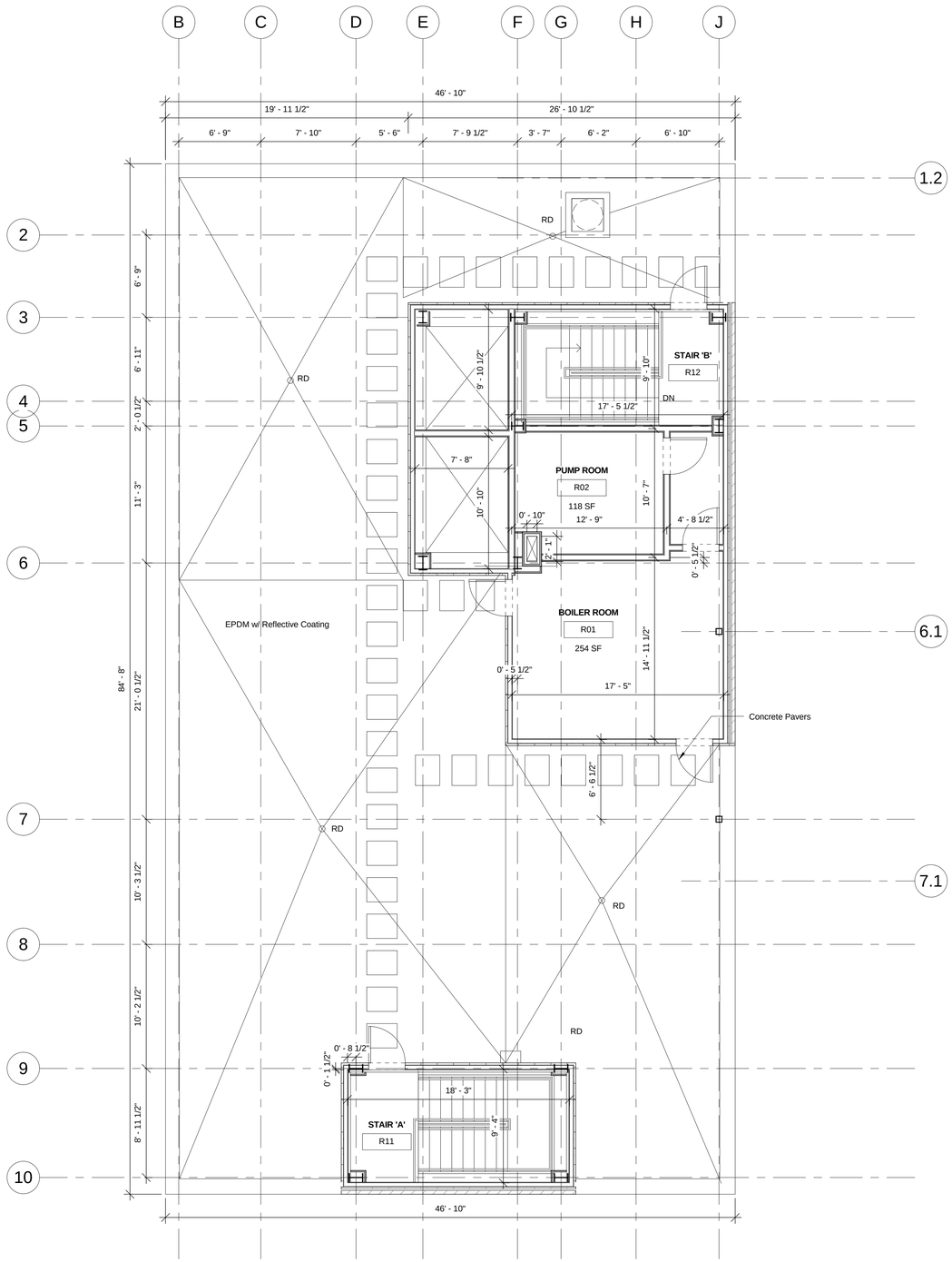
DRAWING TITLE:

ROOF & BULKHEAD PLAN

DRAWING #:

A160.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
3/16" = 1'-0"	SSS	



1 ROOF PLAN
3/16" = 1'-0"

PROJECT:

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SPONSOR:

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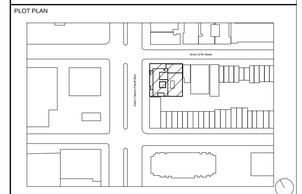
Fax: 212-938-8008

PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

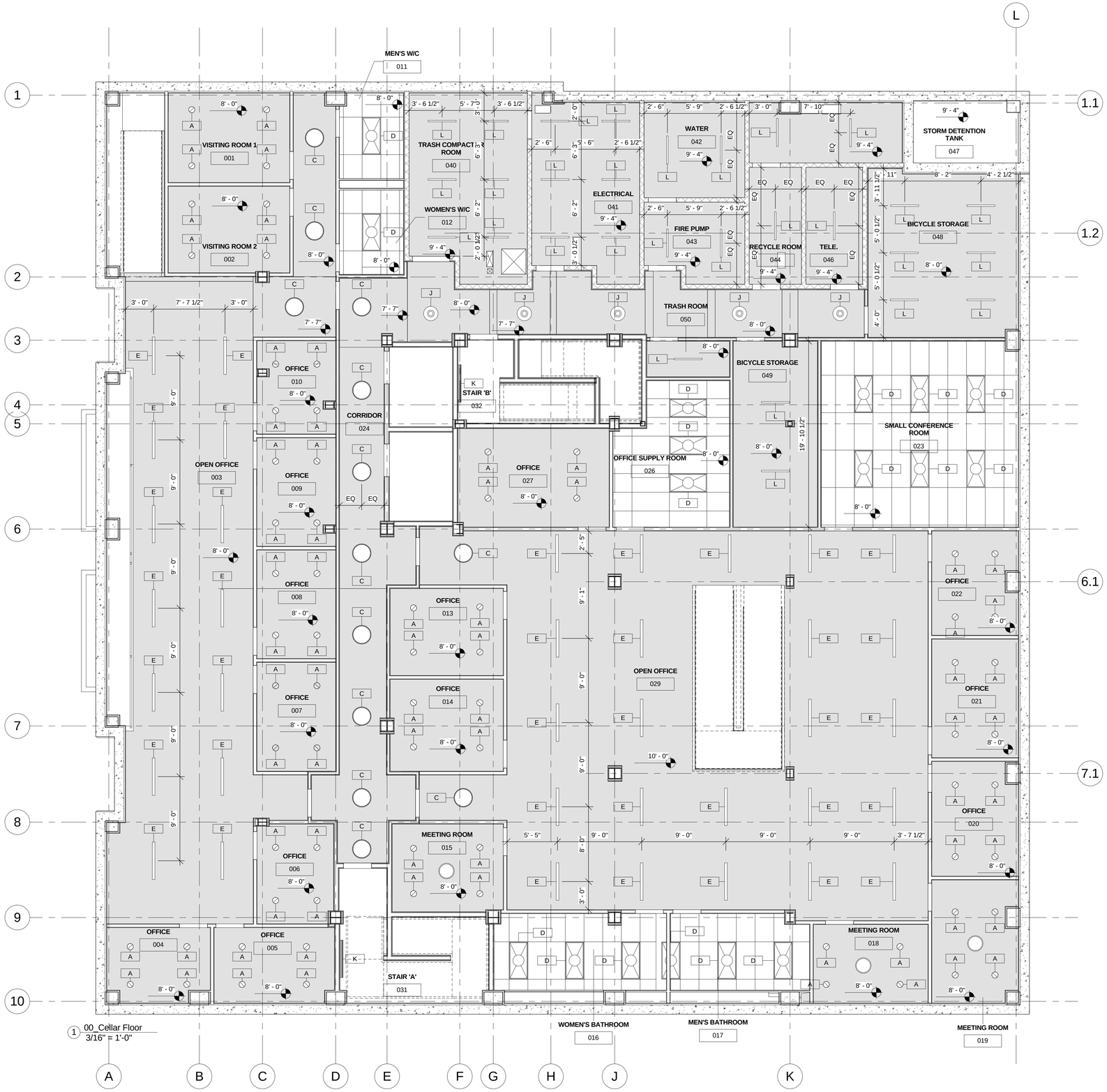
DRAWING TITLE:

ROOF LAYOUT PLAN

DRAWING #:

A161.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
3/16" = 1'-0"	SSS	



1 00_Cellar Floor
3/16" = 1'-0"

Lighting Fixture Schedule			
Type Mark	Description	Manufacturer	Model
A	Downlight - Recessed Can LED	Williams	LEDS60-1100-35K-CS-MWT-ED*OS-120
B	Exterior Wall Sconce LED	Bega	3328 LED
C	Downlight - Semi-Recessed CFL	DeltaLight USA	274 94 65 (G5/120-277V/50-60Hz/1 x 3 EG) RECESSED KIT
D	Troffer Light - 2'x4'	Mercury	ZR1 Series
E	Ceiling Mount Recessed LED	Mark Lighting	Slot 4 LED
F	Surface Ceiling Mount	Winona Lighting	5470-05-F-120V-OA-BAL-STD
G	Pendant Light - Hemisphere	Louis Poulsen	Wohlert WOP-CF 13.7"
H	Wall Sconce	Access Lighting	C20445 ORB OPL-NOGLOW EN1213 BS
J	Ceiling Luminaire CFL	Limburg	L4735
K	Wall Linear Occusmart	Lamar Lighting	VO 1 32 E8 U PA 2C EM
L	Linear Ceiling Fluorescent	Lumax	MS 1 21 34 EO 9 B
M	Wall Linear Flourescent	Progress	P7129
N	Ceiling Linear Flourescent	Progress	P7154
O	LED Undercounter	HALO	HU1012D830P
P	Impact Resistant Wall Luminaires	Bega	3484P_Sub
Q	Recessed Wall Luminaires	Bega	2027P_Sub
R	Utility Light- 26W Compact Fluorescent	Canlet	6803FWF21OG09

Legend

- Painted Gypsum Wall Board
- Armstrong 2x2 Acoustical Lay-In System
- Painted Plank

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling

West Side Center for Children and Family Services

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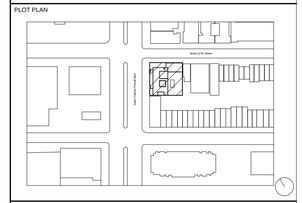
PLOT PLAN:



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

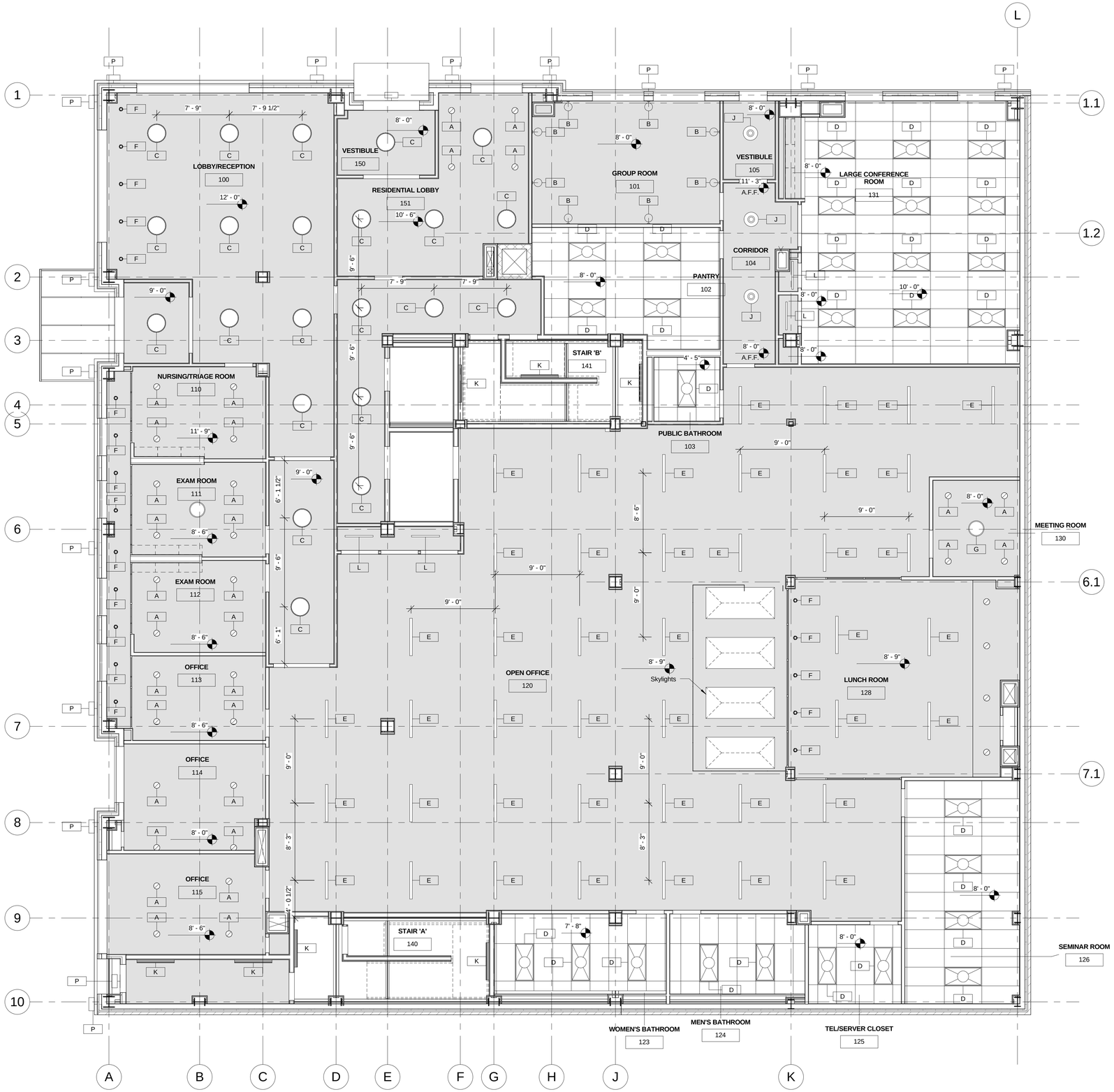
DRAWING TITLE:

CELLAR RCP

DRAWING #:

A170.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
As indicated	SSS	



Lighting Fixture Schedule			
Type Mark	Description	Manufacturer	Model
A	Downlight - Recessed Can LED	Williams	LEDS60-1100-35K-CS-MWT-ED*OS-120
B	Exterior Wall Sconce LED	Bega	3328 LED
C	Downlight - Semi-Recessed CFL	DeltaLight USA	274 94 65 (G5/120-277V/50-60Hz/1 x 3 EG) RECESSED KIT
D	Troffer Light - 2'x4'	Mercury	ZR1 Series
E	Ceiling Mount Recessed LED	Mark Lighting	Slot 4 LED
F	Surface Ceiling Mount	Winona Lighting	5470-05-F-120V-OA-BAL-STD
G	Pendant Light - Hemisphere	Louis Poulsen	Wohlert WOP-CF 13.7"
H	Wall Sconce	Access Lighting	C20445 ORB OPL-NOGLOW EN1213 BS
J	Ceiling Luminaire CFL	Limburg	L4735
K	Wall Linear Occusmart	Lamar Lighting	VO 1 32 E8 U PA 2C EM
L	Linear Ceiling Fluorescent	Lumax	MS 1 21 34 EO 9 B
M	Wall Linear Flourescent	Progress	P7129
N	Ceiling Linear Flourescent	Progress	P7154
O	LED Undercounter	HALO	HU1012D830P
P	Impact Resistant Wall Luminaires	Bega	3484P_Sub
Q	Recessed Wall Luminaires	Bega	2027P_Sub
R	Utility Light- 26W Compact Fluorescent	Canlet	6803FWF21OG09

Legend

- Painted Gypsum Wall Board
- Armstrong 2x2 Acoustical Lay-In System
- Painted Plank

PROJECT:

A Home for Harlem Dowling

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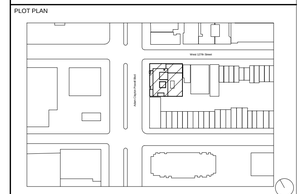
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

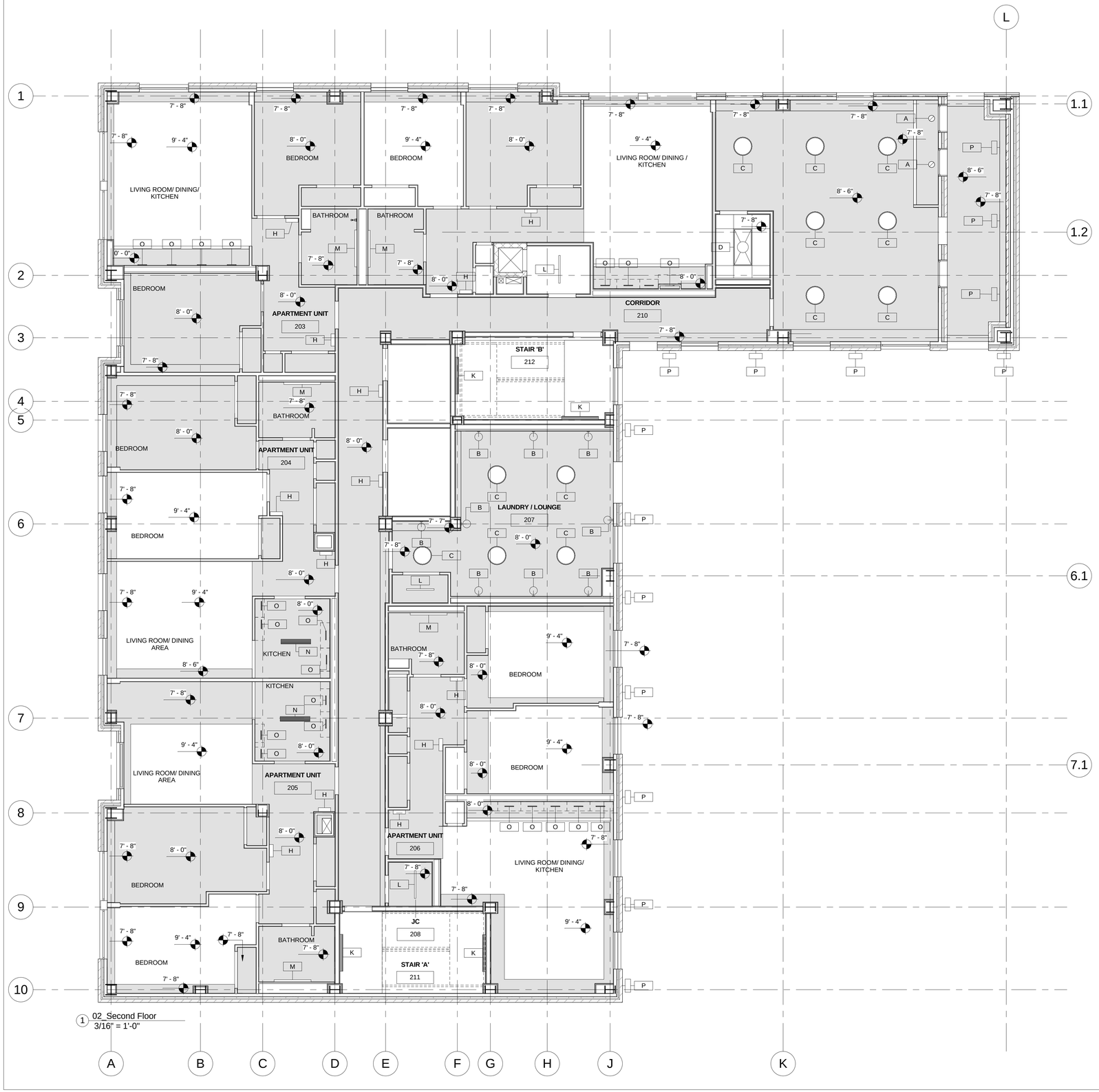
DRAWING TITLE:

FIRST FLOOR RCP

DRAWING #:

A171.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
As indicated	SSS	



1 02_Second Floor
3/16" = 1'-0"

Lighting Fixture Schedule			
Type Mark	Description	Manufacturer	Model
A	Downlight - Recessed Can LED	Williams	LEDS60-1100-35K-CS-MWT-ED*OS-120
B	Exterior Wall Sconce LED	Bega	3328 LED
C	Downlight - Semi-Recessed CFL	DeltaLight USA	274 94 65 (G5/120-277V/50-60Hz/1 x 3 EG) RECESSED KIT
D	Troffer Light - 2'x4'	Mercury	ZR1 Series
E	Ceiling Mount Recessed LED	Mark Lighting	Slot 4 LED
F	Surface Ceiling Mount	Winona Lighting	5470-05-F-120V-OA-BAL-STD
G	Pendant Light - Hemisphere	Louis Poulsen	Wohlert WOP-CF 13.7"
H	Wall Sconce	Access Lighting	C20445 ORB OPL-NOGLOW EN1213 BS
J	Ceiling Luminaire CFL	Limburg	L4735
K	Wall Linear Occusmart	Lamar Lighting	VO 1 32 E8 U PA 2C EM
L	Linear Ceiling Fluorescent	Lumax	MS 1 21 34 EO 9 B
M	Wall Linear Flourescent	Progress	P7129
N	Ceiling Linear Flourescent	Progress	P7154
O	LED Undercounter	HALO	HU1012D830P
P	Impact Resistant Wall Luminaires	Bega	3484P_Sub
Q	Recessed Wall Luminaires	Bega	2027P_Sub
R	Utility Light- 26W Compact Fluorescent	Canlet	6803FWF21OG09

Legend

- Painted Gypsum Wall Board
- Armstrong 2x2 Acoustical Lay-In System
- Painted Plank

PROJECT:

A Home for Harlem Dowling

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New York, NY 10027

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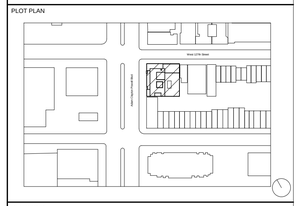
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

SECOND FLOOR RCP

DRAWING #:

A172.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
As indicated	SSS	

1 03_Third Floor
3/16" = 1'-0"

Legend

- Painted Gypsum Wall Board
- Armstrong 2x2 Acoustical Lay-In System
- Painted Plank

Lighting Fixture Schedule

Type Mark	Description	Manufacturer	Model
A	Downlight - Recessed Can LED	Williams	LEDS60-1100-35K-CS-MWT-ED*OS-120
B	Exterior Wall Sconce LED	Bega	3328 LED
C	Downlight - Semi-Recessed CFL	DeltaLight USA	274 94 65 (G5/120-277V/50-60Hz/1 x 3 EG) RECESSED KIT
D	Troffer Light - 2'x4'	Mercury	ZR1 Series
E	Ceiling Mount Recessed LED	Mark Lighting	Slot 4 LED
F	Surface Ceiling Mount	Winona Lighting	5470-05-F-120V-OA-BAL-STD
G	Pendant Light - Hemisphere	Louis Poulsen	Wohlert WOP-CF 13.7"
H	Wall Sconce	Access Lighting	C20445 ORB OPL-NOGLOW EN1213 BS
J	Ceiling Luminaire CFL	Limburg	L4735
K	Wall Linear Occusmart	Lamar Lighting	VO 1 32 E8 U PA 2C EM
L	Linear Ceiling Fluorescent	Lumax	MS 1 21 34 EO 9 B
M	Wall Linear Flourescent	Progress	P7129
N	Ceiling Linear Flourescent	Progress	P7154
O	LED Undercounter	HALO	HU1012D830P
P	Impact Resistant Wall Luminaires	Bega	3484P_Sub
Q	Recessed Wall Luminaires	Bega	2027P_Sub
R	Utility Light- 26W Compact Fluorescent	Canlet	6803FWF21OG09

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling

West Side Center for Children and Family Services

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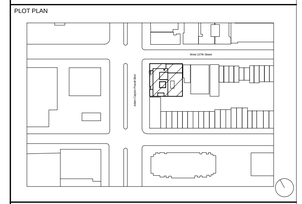
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

TYPICAL FLOOR RCP (3-7)

DRAWING #:

A173.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE: As indicated	CHECKED BY: SSS	SHEET:

1 08_Eighth Floor
3/16" = 1'-0"

Lighting Fixture Schedule			
Type Mark	Description	Manufacturer	Model
A	Downlight - Recessed Can LED	Williams	LEDS60-1100-35K-CS-MWT-ED*OS-120
B	Exterior Wall Sconce LED	Bega	3328 LED
C	Downlight - Semi-Recessed CFL	DeltaLight USA	274 94 65 (G5/120-277V/50-60Hz/1 x 3 EG) RECESSED KIT
D	Troffer Light - 2'x4'	Mercury	ZR1 Series
E	Ceiling Mount Recessed LED	Mark Lighting	Slot 4 LED
F	Surface Ceiling Mount	Winona Lighting	5470-05-F-120V-OA-BAL-STD
G	Pendant Light - Hemisphere	Louis Poulsen	Wohlert WOP-CF 13.7"
H	Wall Sconce	Access Lighting	C20445 ORB OPL-NOGLOW EN1213 BS
J	Ceiling Luminaire CFL	Limburg	L4735
K	Wall Linear Occusmart	Lamar Lighting	VO 1 32 E8 U PA 2C EM
L	Linear Ceiling Fluorescent	Lumax	MS 1 21 34 EO 9 B
M	Wall Linear Flourescent	Progress	P7129
N	Ceiling Linear Flourescent	Progress	P7154
O	LED Undercounter	HALO	HU1012D830P
P	Impact Resistant Wall Luminaires	Bega	3484P_Sub
Q	Recessed Wall Luminaires	Bega	2027P_Sub
R	Utility Light- 26W Compact Fluorescent	Canlet	6803FWF21OG09

Legend

- Painted Gypsum Wall Board
- Armstrong 2x2 Acoustical Lay-In System
- Painted Plank

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling

West Side Center for Children and Family Services

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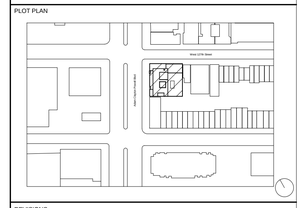
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

EIGHTH FLOOR RCP

DRAWING #:

A174.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
As indicated	SSS	

1 09_Ninth Floor
3/16" = 1'-0"

Lighting Fixture Schedule			
Type Mark	Description	Manufacturer	Model
A	Downlight - Recessed Can LED	Williams	LEDS60-1100-35K-CS-MWT-ED*OS-120
B	Exterior Wall Sconce LED	Bega	3328 LED
C	Downlight - Semi-Recessed CFL	DeltaLight USA	274 94 65 (G5/120-277V/50-60Hz/1 x 3 EG) RECESSED KIT
D	Troffer Light - 2'x4'	Mercury	ZR1 Series
E	Ceiling Mount Recessed LED	Mark Lighting	Slot 4 LED
F	Surface Ceiling Mount	Winona Lighting	5470-05-F-120V-OA-BAL-STD
G	Pendant Light - Hemisphere	Louis Poulsen	Wohlert WOP-CF 13.7"
H	Wall Sconce	Access Lighting	C20445 ORB OPL-NOGLOW EN1213 BS
J	Ceiling Luminaire CFL	Limburg	L4735
K	Wall Linear Occusmart	Lamar Lighting	VO 1 32 E8 U PA 2C EM
L	Linear Ceiling Fluorescent	Lumax	MS 1 21 34 EO 9 B
M	Wall Linear Flourescent	Progress	P7129
N	Ceiling Linear Flourescent	Progress	P7154
O	LED Undercounter	HALO	HU1012D830P
P	Impact Resistant Wall Luminaires	Bega	3484P_Sub
Q	Recessed Wall Luminaires	Bega	2027P_Sub
R	Utility Light- 26W Compact Fluorescent	Canlet	6803FWF21OG09

Legend

Painted Gypsum Wall Board

Armstrong 2x2 Acoustical Lay-In System

Painted Plank

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling

West Side Center for Children and Family Services

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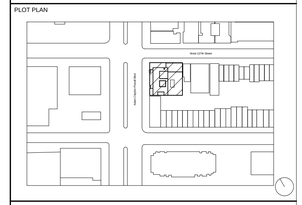
PLOT PLAN



REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

NINTH FLOOR RCP

DRAWING #:

A175.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
As indicated	SSS	

1 10_Tenth Floor
3/16" = 1'-0"

Lighting Fixture Schedule			
Type Mark	Description	Manufacturer	Model
A	Downlight - Recessed Can LED	Williams	LEDS60-1100-35K-CS-MWT-ED*OS-120
B	Exterior Wall Sconce LED	Bega	3328 LED
C	Downlight - Semi-Recessed CFL	DeltaLight USA	274 94 65 (G5/120-277V/50-60Hz/1 x 3 EG) RECESSED KIT
D	Troffer Light - 2'x4'	Mercury	ZR1 Series
E	Ceiling Mount Recessed LED	Mark Lighting	Slot 4 LED
F	Surface Ceiling Mount	Winona Lighting	5470-05-F-120V-OA-BAL-STD
G	Pendant Light - Hemisphere	Louis Poulsen	Wohlert WOP-CF 13.7"
H	Wall Sconce	Access Lighting	C20445 ORB OPL-NOGLOW EN1213 BS
J	Ceiling Luminaire CFL	Limburg	L4735
K	Wall Linear Occusmart	Lamar Lighting	VO 1 32 E8 U PA 2C EM
L	Linear Ceiling Fluorescent	Lumax	MS 1 21 34 EO 9 B
M	Wall Linear Flourescent	Progress	P7129
N	Ceiling Linear Flourescent	Progress	P7154
O	LED Undercounter	HALO	HU1012D830P
P	Impact Resistant Wall Luminaires	Bega	3484P_Sub
Q	Recessed Wall Luminaires	Bega	2027P_Sub
R	Utility Light- 26W Compact Fluorescent	Canlet	6803FWF21OG09

Legend

- Painted Gypsum Wall Board
- Armstrong 2x2 Acoustical Lay-In System
- Painted Plank

PROJECT:

A Home for Harlem Dowling

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New York, NY 10027

SPONSOR:

Harlem Dowling

West Side Center for Children and Family Services

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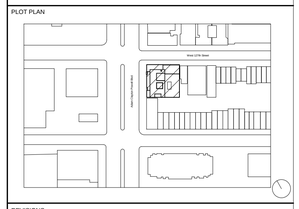
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

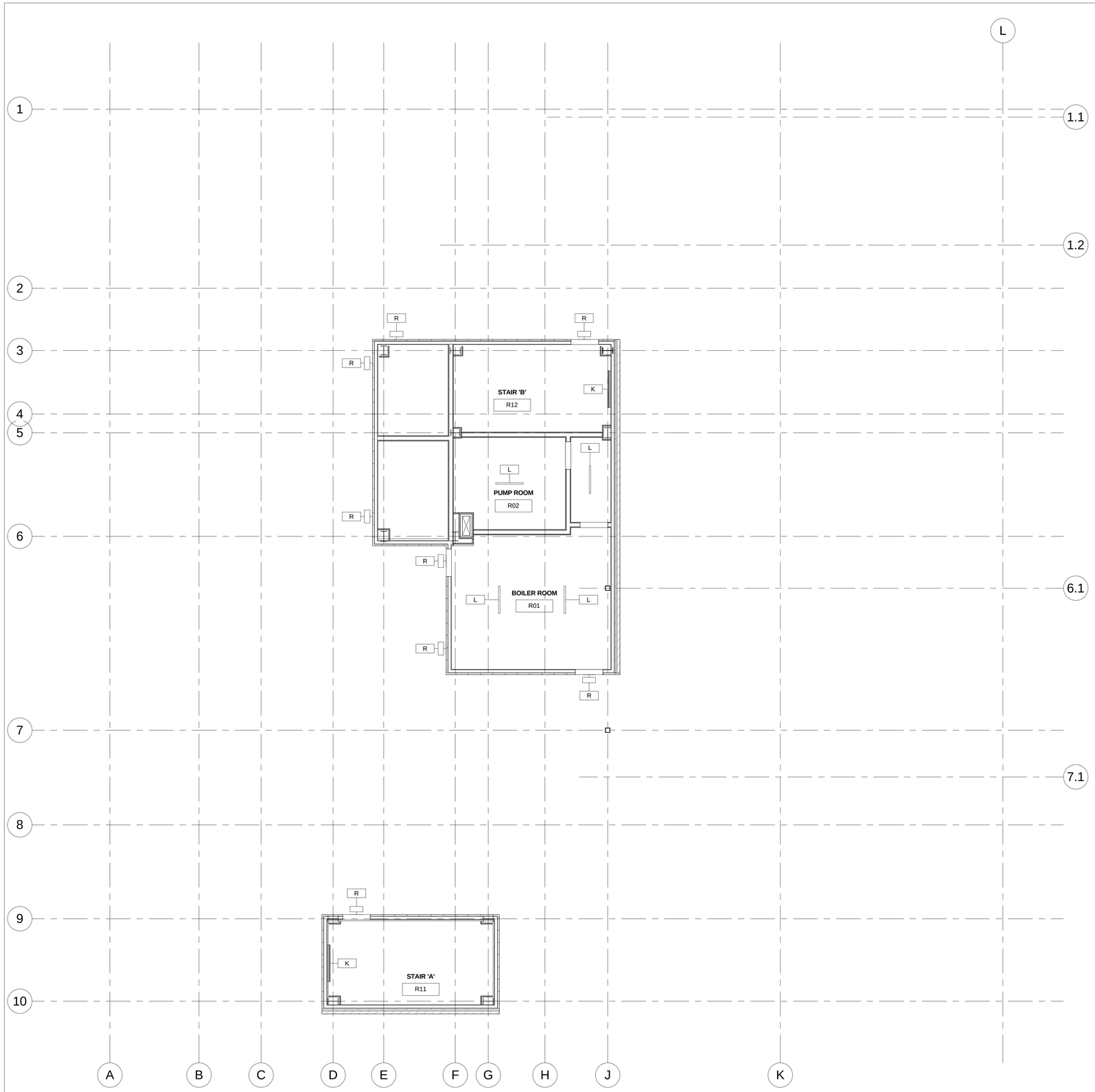
DRAWING TITLE:

TENTH FLOOR RCP

DRAWING #:

A176.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
As indicated	SSS	



1 11_Roof Floor
3/16" = 1'-0"

Lighting Fixture Schedule			
Type Mark	Description	Manufacturer	Model
A	Downlight - Recessed Can LED	Williams	LEDS60-1100-35K-CS-MWT-ED*OS-120
B	Exterior Wall Sconce LED	Bega	3328 LED
C	Downlight - Semi-Recessed CFL	DeltaLight USA	274 94 65 (G5/120-277V/50-60Hz/1 x 3 EG) RECESSED KIT
D	Troffer Light - 2'x4'	Mercury	ZR1 Series
E	Ceiling Mount Recessed LED	Mark Lighting	Slot 4 LED
F	Surface Ceiling Mount	Winona Lighting	5470-05-F-120V-OA-BAL-STD
G	Pendant Light - Hemisphere	Louis Poulsen	Wohlert WOP-CF 13.7"
H	Wall Sconce	Access Lighting	C20445 ORB OPL-NOGLOW EN1213 BS
J	Ceiling Luminaire CFL	Limburg	L4735
K	Wall Linear Occusmart	Lamar Lighting	VO 1 32 E8 U PA 2C EM
L	Linear Ceiling Fluorescent	Lumax	MS 1 21 34 EO 9 B
M	Wall Linear Flourescent	Progress	P7129
N	Ceiling Linear Flourescent	Progress	P7154
O	LED Undercounter	HALO	HU1012D830P
P	Impact Resistant Wall Luminaires	Bega	3484P_Sub
Q	Recessed Wall Luminaires	Bega	2027P_Sub
R	Utility Light- 26W Compact Fluorescent	Canlet	6803FWF21OG09

Legend

Painted Gypsum Wall Board

Armstrong 2x2 Acoustical Lay-In System

Painted Plank

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling

West Side Center for Children and Family Services

ARCHITECT:

THE OFFICE OF
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New York, NY 10007
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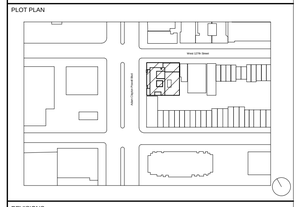
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

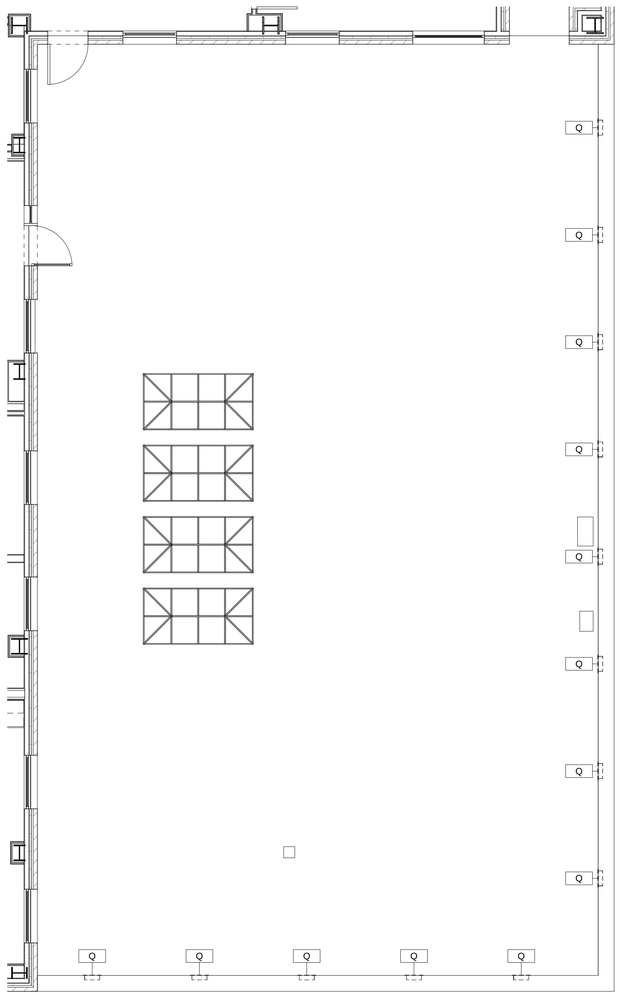
DRAWING TITLE:

ROOF RCP

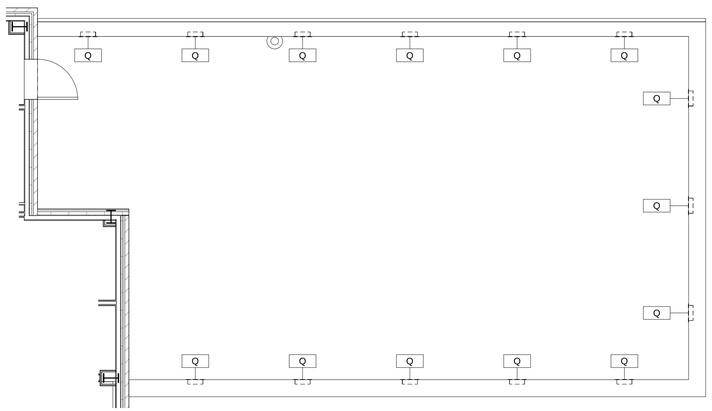
DRAWING #:

A177.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
As indicated	SSS	



1 Roof Garden Lighting Plan_Second Floor
3/16" = 1'-0"



2 Roof Garden Lighting Plan_Ninth Floor
3/16" = 1'-0"

PROJECT:

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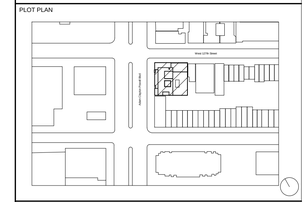


REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

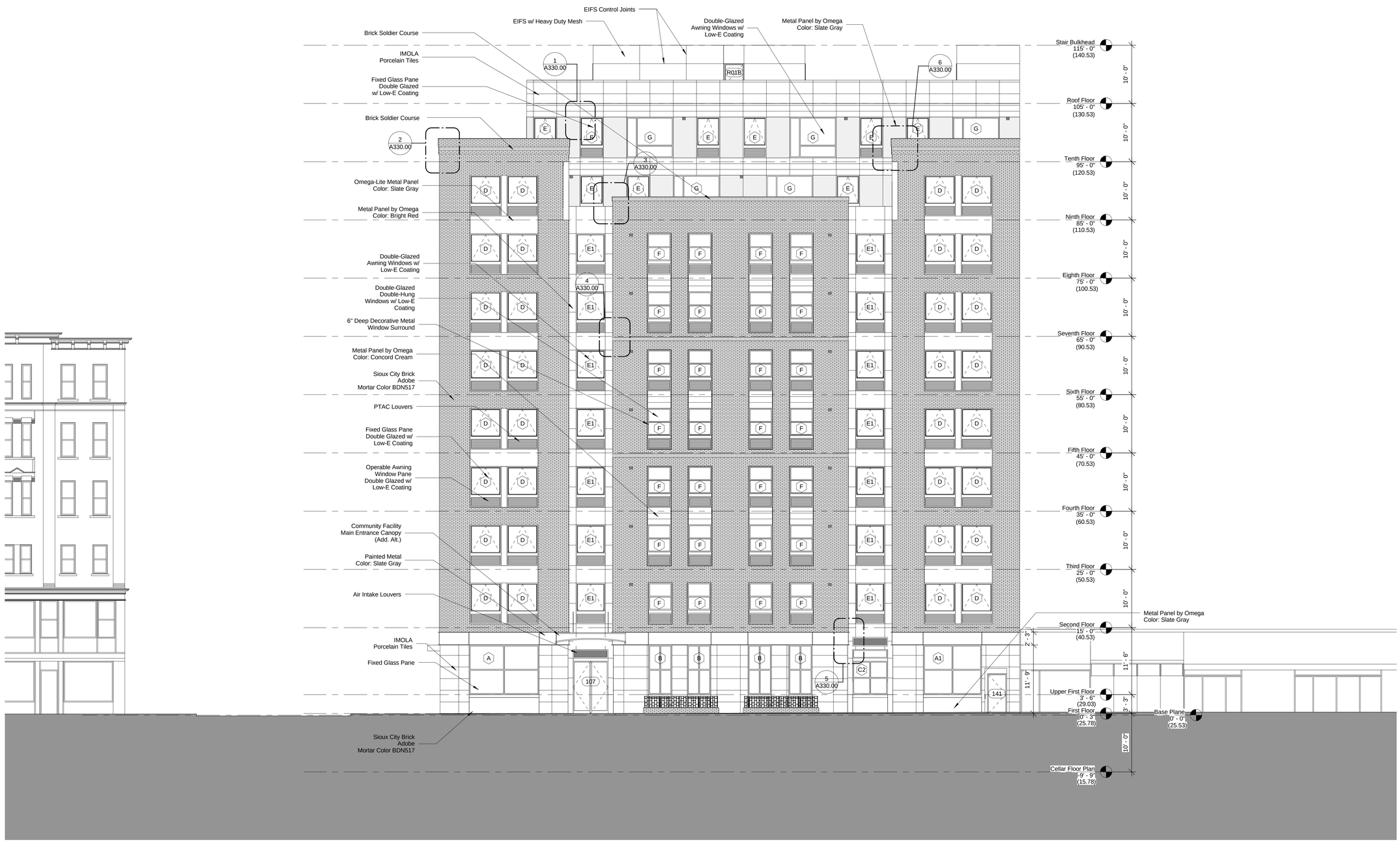
DRAWING TITLE:

2nd & 9th FLOOR
ROOF GARDEN
LIGHTING PLAN

DRAWING #:

A178.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
3/16" = 1'-0"	SSS	



1 WEST ELEVATION
1/8" = 1'-0"

PROJECT:

A Home for Harlem Dowling

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New York, NY 10027

SPONSOR:

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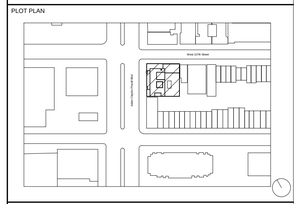


REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

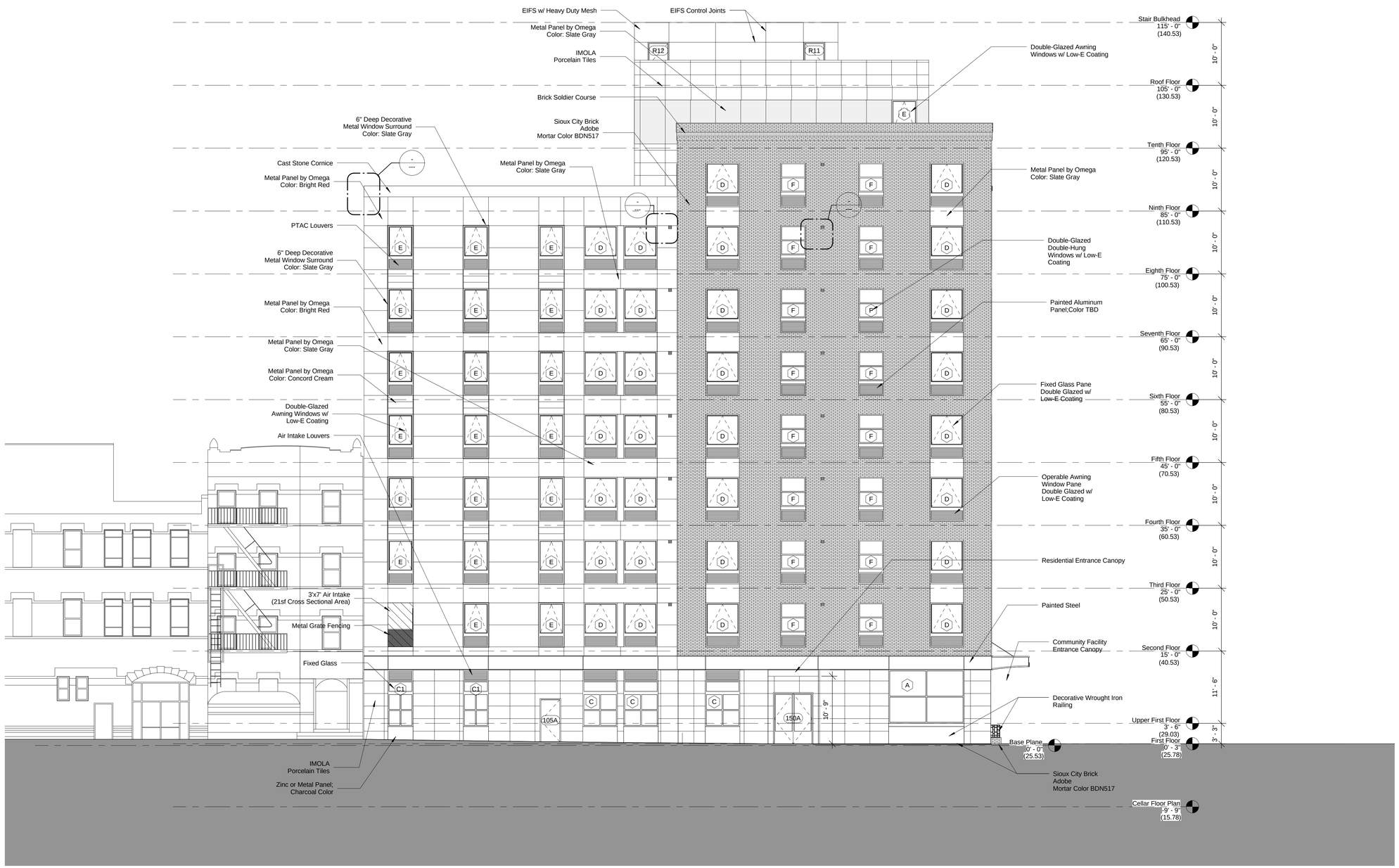
DRAWING TITLE:

WEST ELEVATION

DRAWING #:

A200.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
1/8" = 1'-0"	SSS	



1 NORTH ELEVATION
1/8" = 1'-0"

PROJECT:

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New York, NY 10027

SPONSOR:

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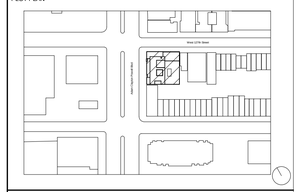


REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

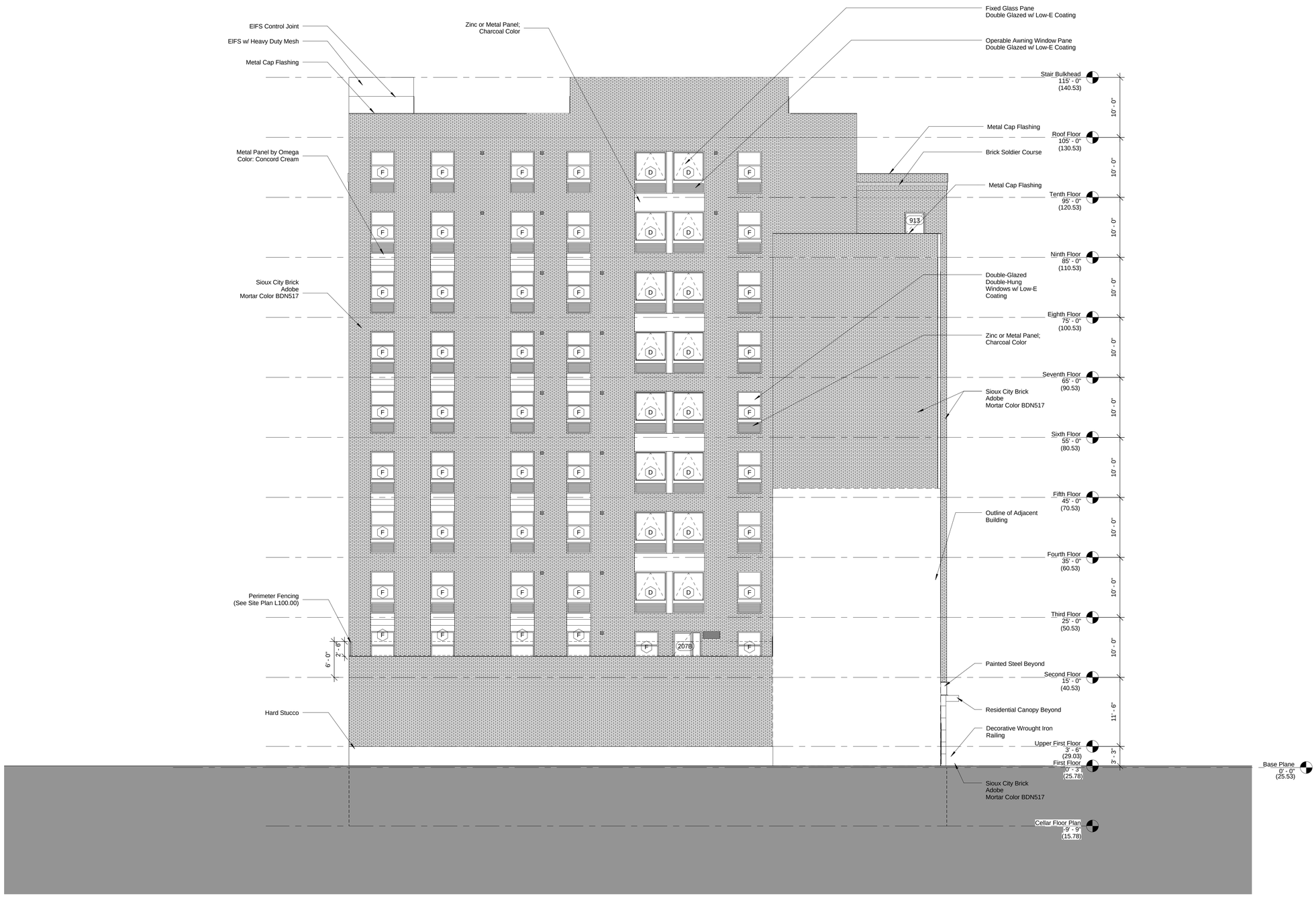
DRAWING TITLE:

NORTH ELEVATION

DRAWING #:

A210.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
1/8" = 1'-0"	SSS	



1 EAST ELEVATION
1/8" = 1'-0"

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling

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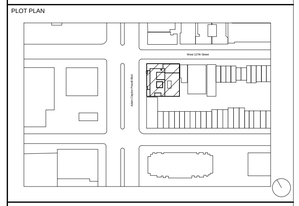


REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

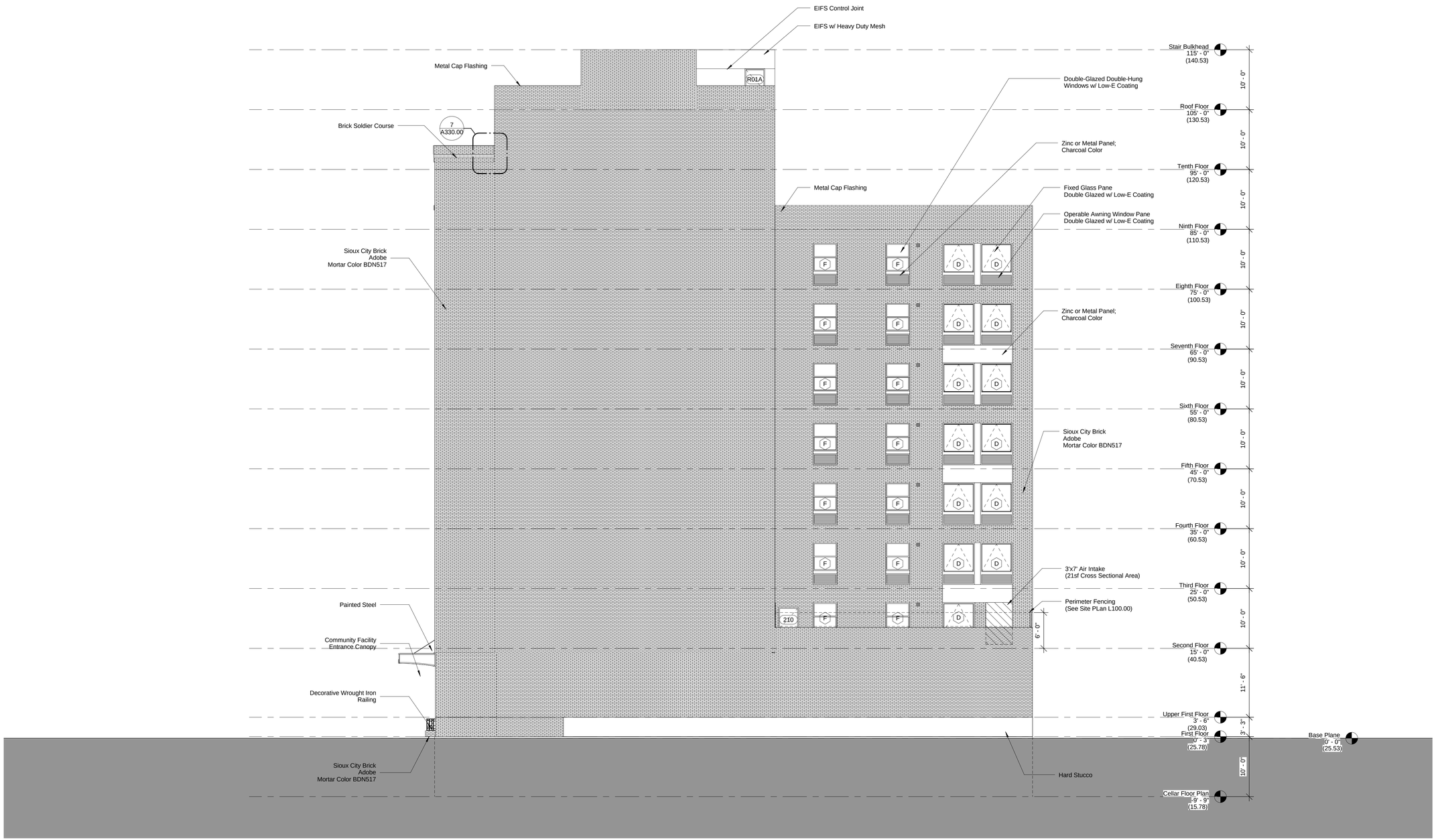
DRAWING TITLE:

EAST ELEVATION

DRAWING #:

A220.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
1/8" = 1'-0"	SSS	



1 SOUTH ELEVATION
1/8" = 1'-0"

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

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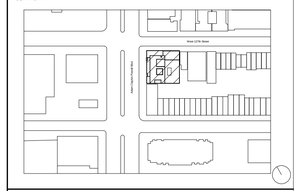

REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

SOUTH ELEVATION

DRAWING #:

A230.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
1/8" = 1'-0"	SSS	

1 Building Section I
1/8" = 1'-0"

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling

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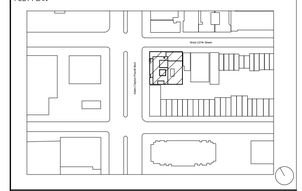
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

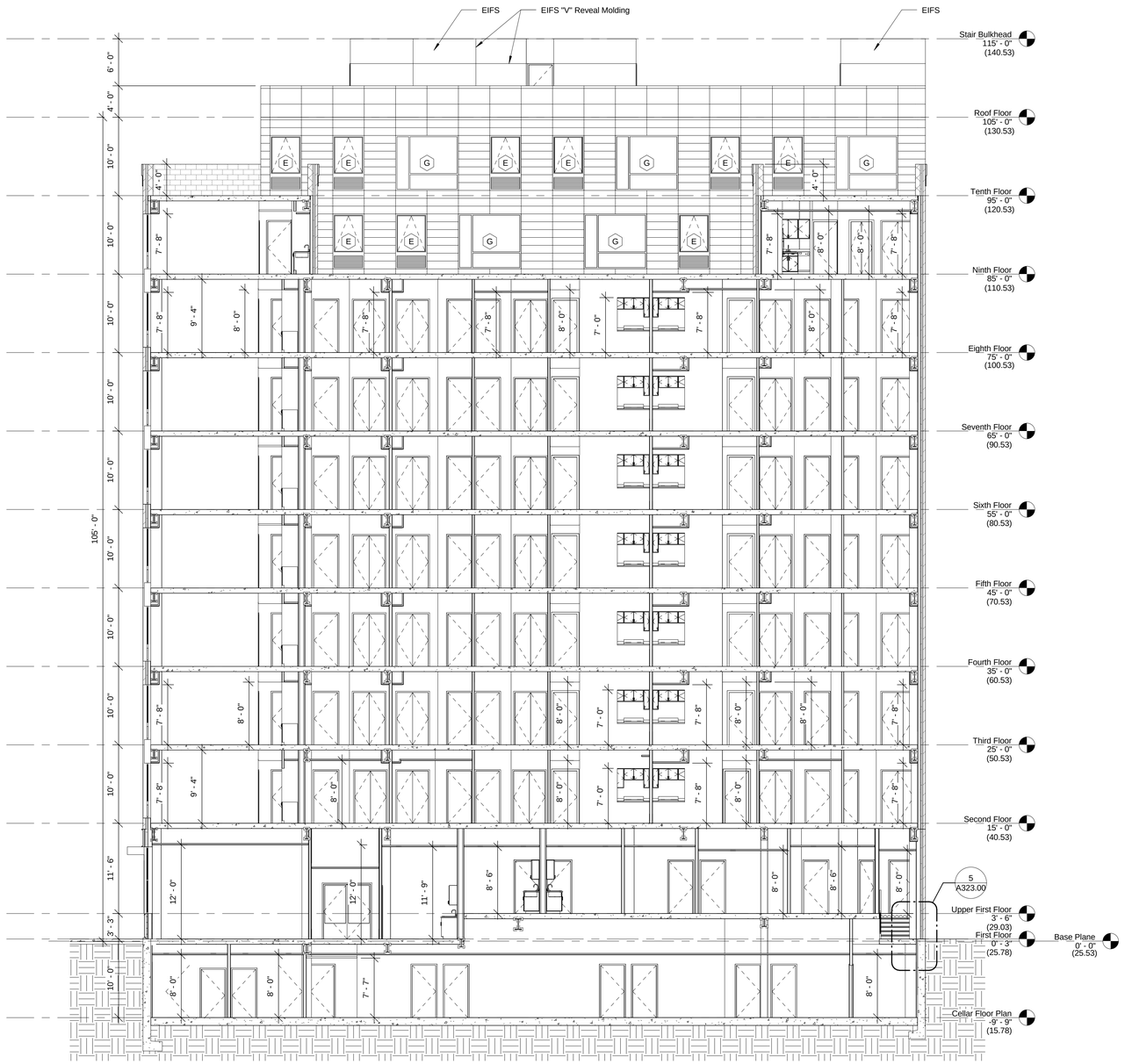
DRAWING TITLE:

BUILDING SECTION I

DRAWING #:

A300.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
1/8" = 1'-0"	SSS	



1 Building Section II
1/8" = 1'-0"

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling

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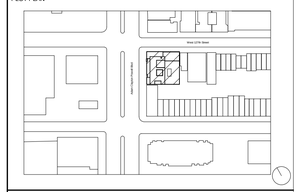


REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

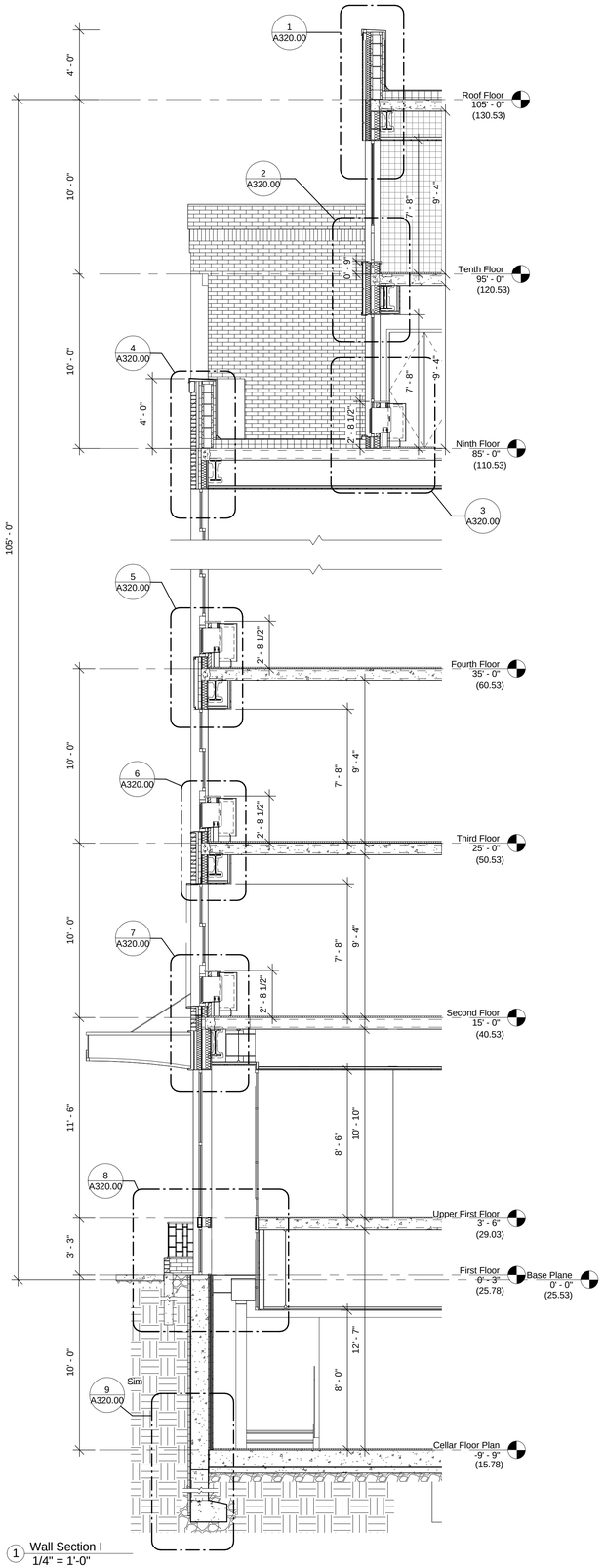
DRAWING TITLE:

BUILDING SECTION II

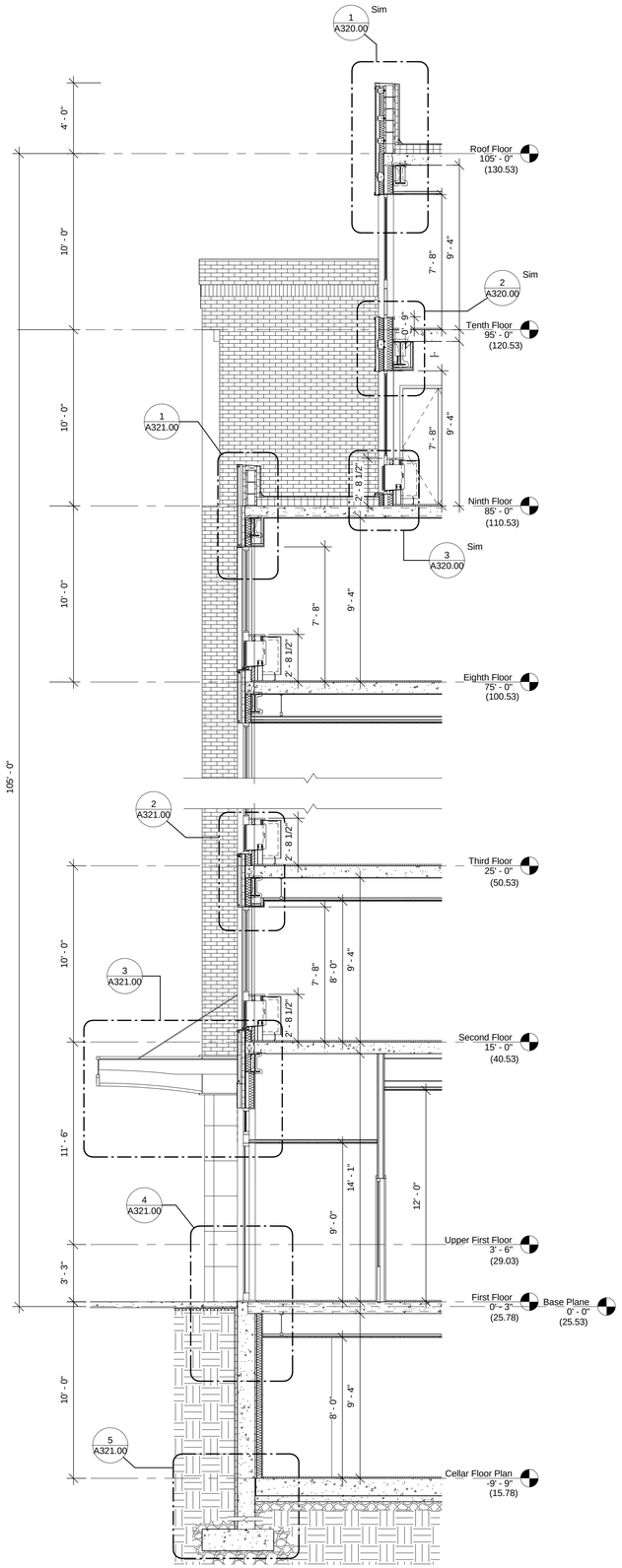
DRAWING #:

A301.00

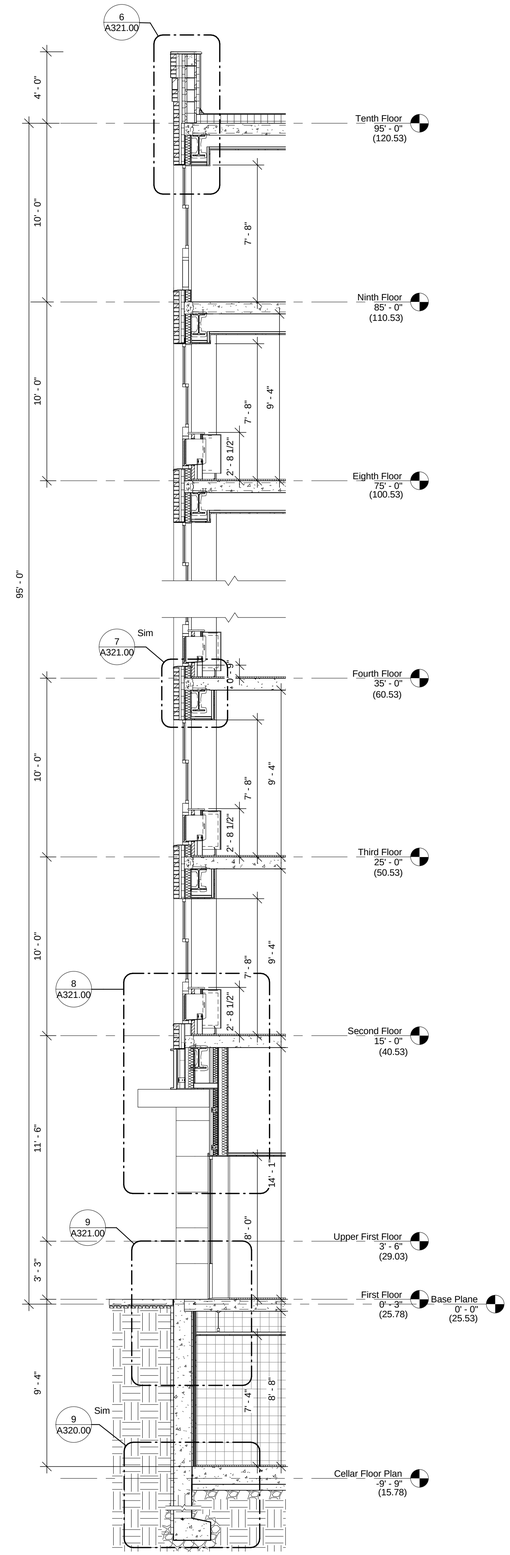
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
1/8" = 1'-0"	SSS	



1 Wall Section I
1/4" = 1'-0"



2 Wall Section II
1/4" = 1'-0"



3 Wall Section III
1/4" = 1'-0"

PROJECT:

A Home for Harlem Dowling

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New York, NY 10027

SPONSOR:

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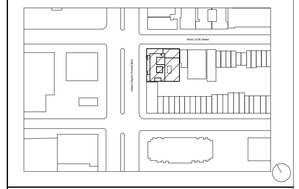
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

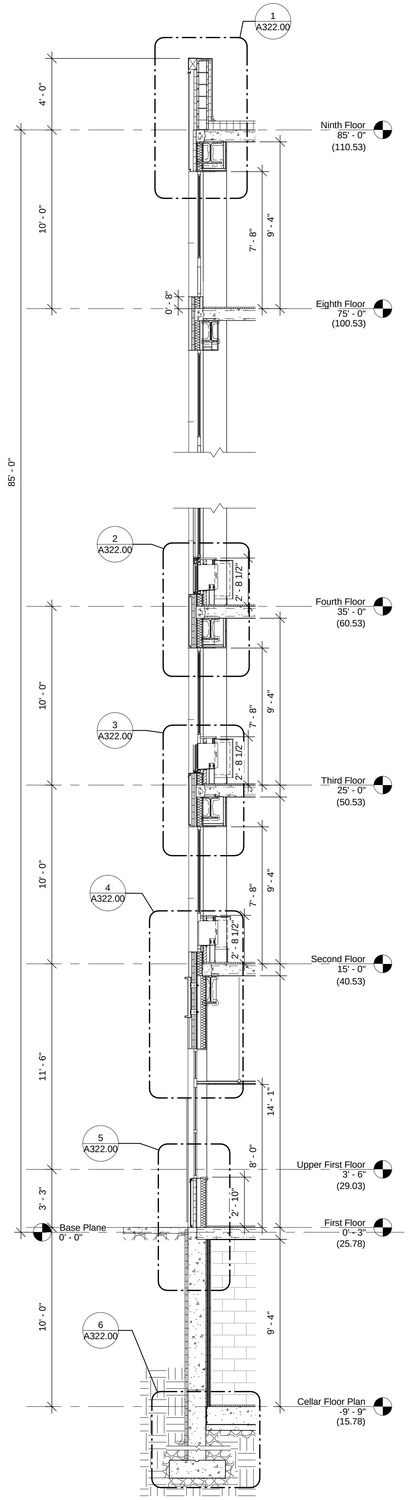
DRAWING TITLE:

WALL SECTIONS I

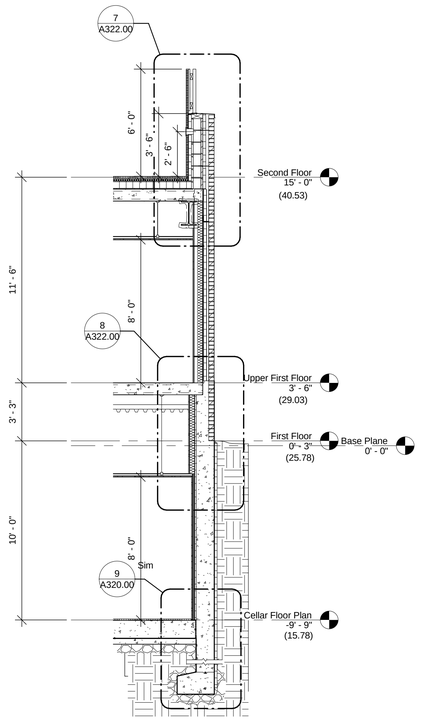
DRAWING #:

A310.00

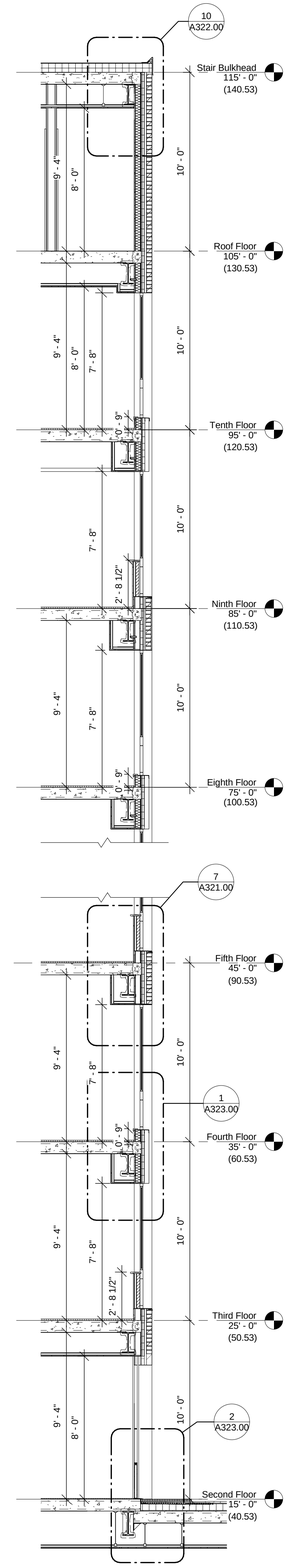
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
1/4" = 1'-0"	SSS	



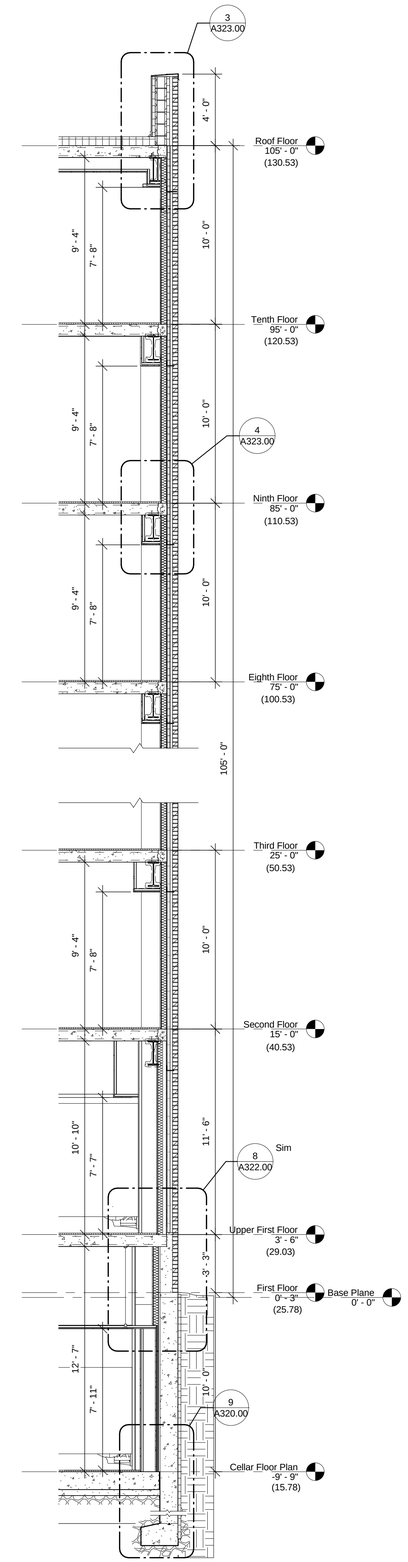
1 Wall Section IV
1/4" = 1'-0"



2 Wall Section V
1/4" = 1'-0"



3 Wall Section VI
1/4" = 1'-0"



4 Wall Section VII
1/4" = 1'-0"

PROJECT:

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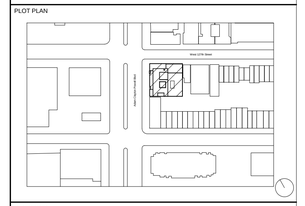

REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

WALL SECTIONS II

DRAWING #:

A311.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
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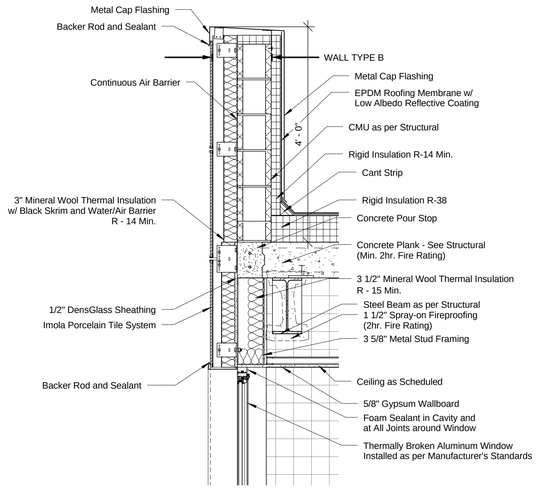
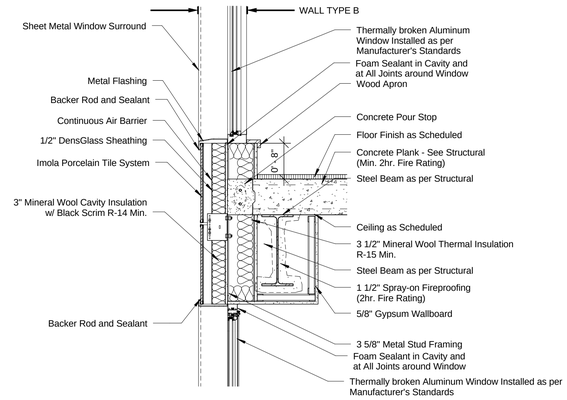
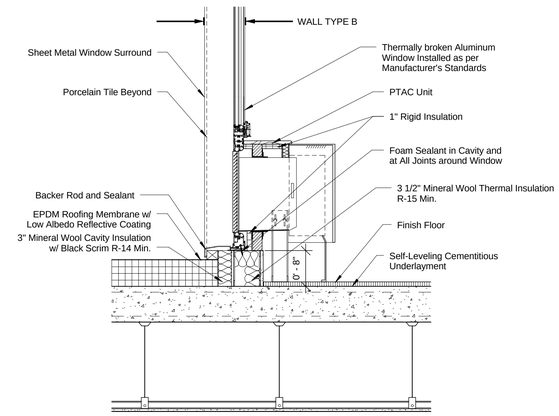


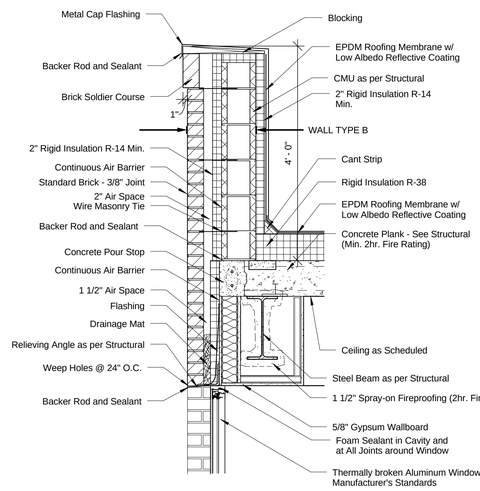
1 Parapet Detail - Porcelain Tile
3/4" = 1'-0"



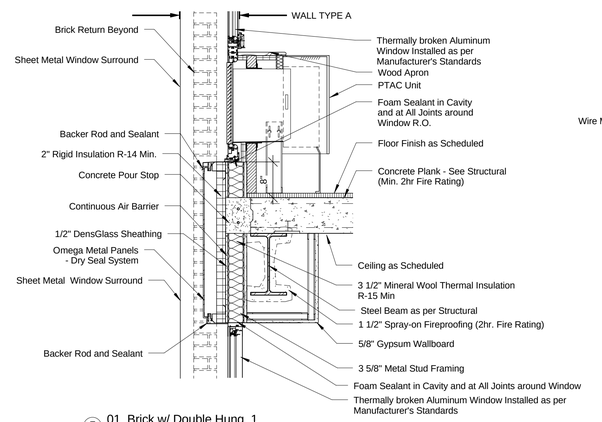
2 01_Porcelain w/ Fixed
3/4" = 1'-0"



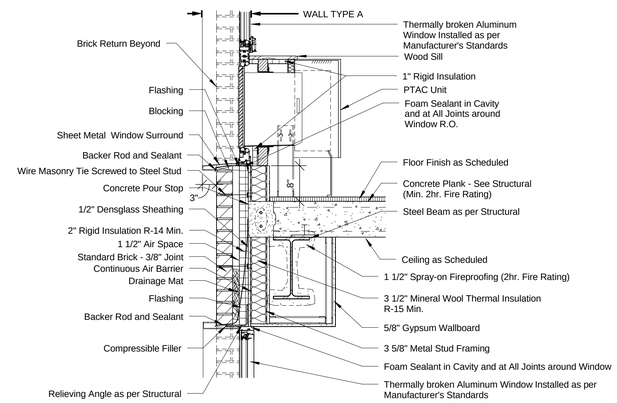
3 01_Porcelain w/ Awning - Bottom of Ninth Fl
3/4" = 1'-0"



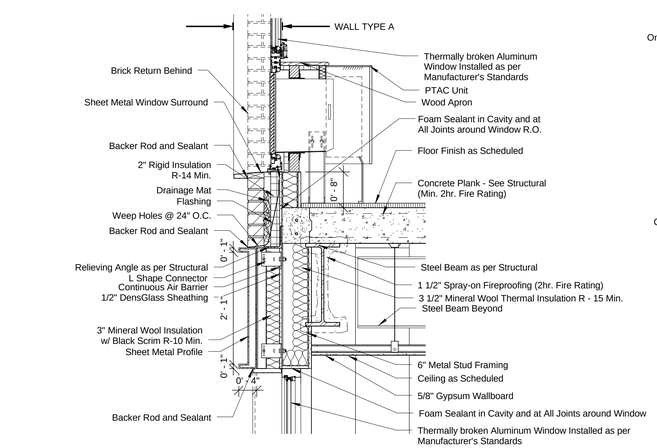
4 00_Parapet - Brick w/ Stone Band
3/4" = 1'-0"



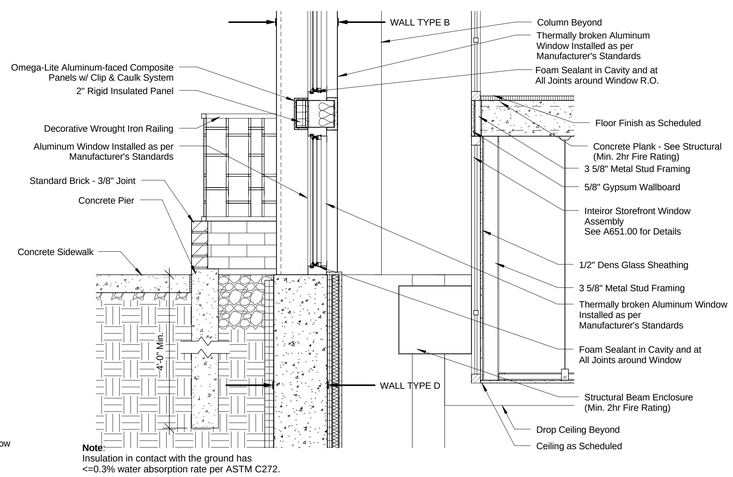
5 01_Brick w/ Double Hung_1
3/4" = 1'-0"



6 01_Brick w/ Double Hung_2
3/4" = 1'-0"

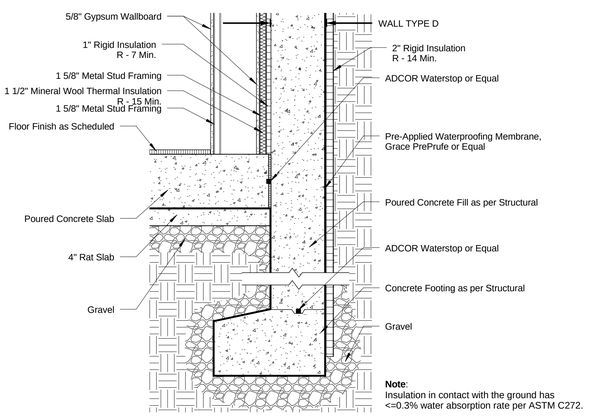


7 03_Transition_Porcelain to Brick w/ Stone Band
3/4" = 1'-0"



Note:
Insulation in contact with the ground has <=0.3% water absorption rate per ASTM C272.

8 04_Wall Detail - Area Well
3/4" = 1'-0"



Note:
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9 03_Wall Detail @ Foundation - Property Line
3/4" = 1'-0"

PROJECT:

A Home for Harlem Dowling

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SPONSOR:

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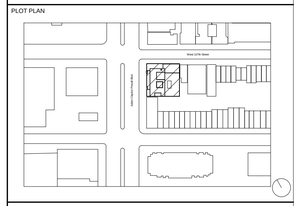
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

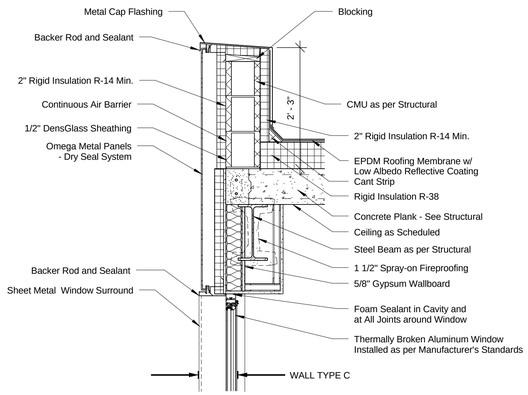
DRAWING TITLE:

WALL DETAILS I

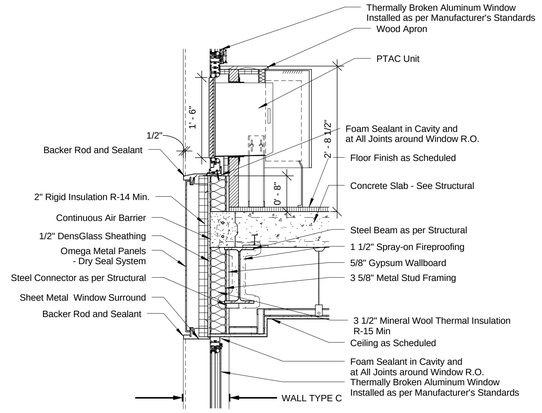
DRAWING #:

A320.00

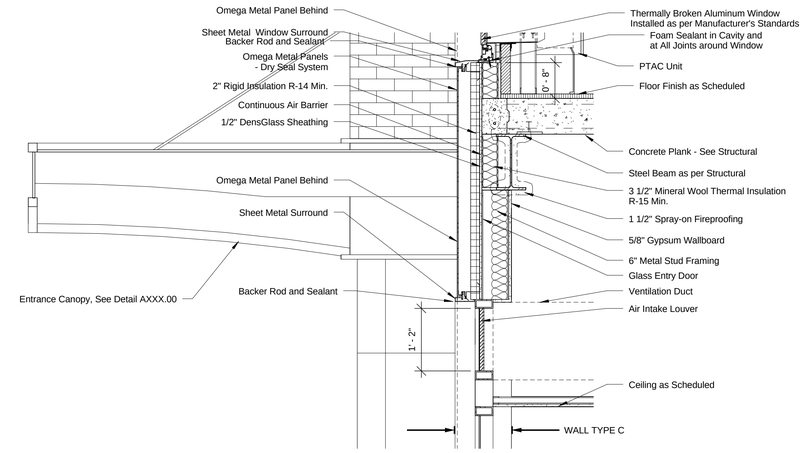
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
3/4" = 1'-0"	SSS	



1 00_Parapet - Metal Panel
3/4" = 1'-0"

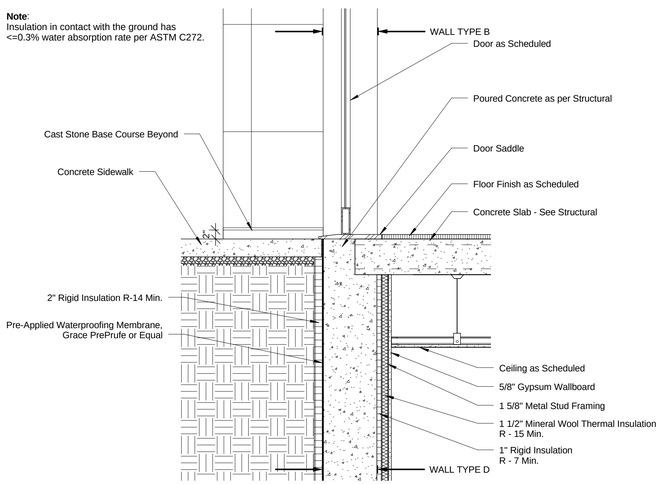


2 01_Metal Panel w/ Awning_3
3/4" = 1'-0"



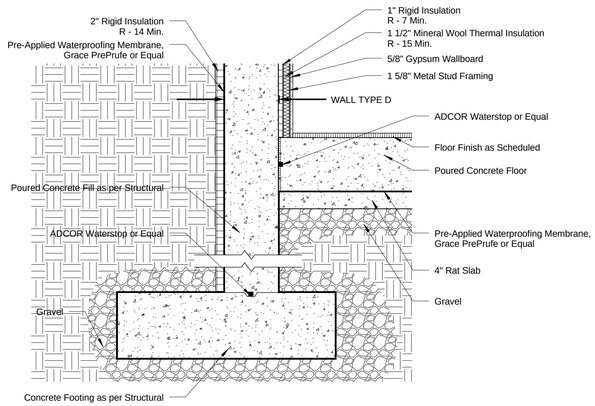
3 04_Wall Detail - HD Lobby Entrance
3/4" = 1'-0"

Note:
Insulation in contact with the ground has
<=0.3% water absorption rate per ASTM C272.

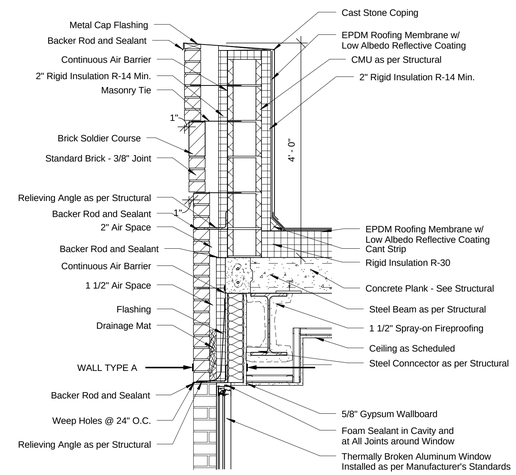


4 03_Wall Detail @ Grade - HD Entrance
3/4" = 1'-0"

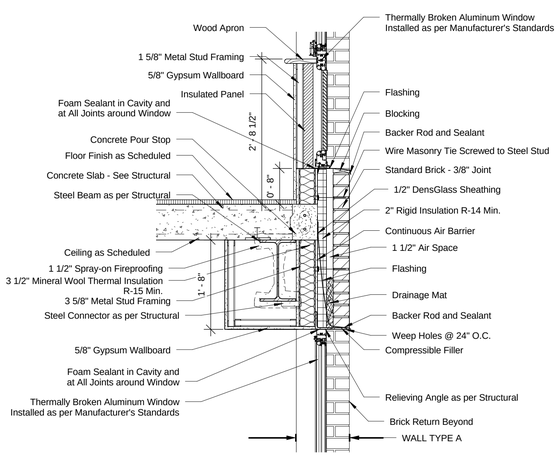
Note:
Insulation in contact with the ground has
<=0.3% water absorption rate per ASTM C272.



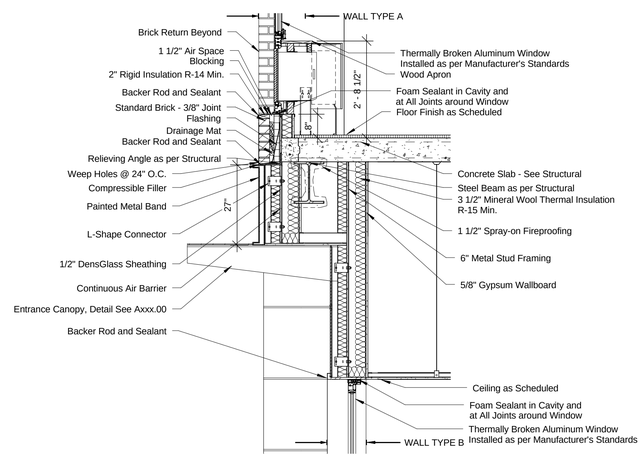
5 Foundation Detail
3/4" = 1'-0"



6 00_Parapet - Brick w/ Soldier Course
3/4" = 1'-0"

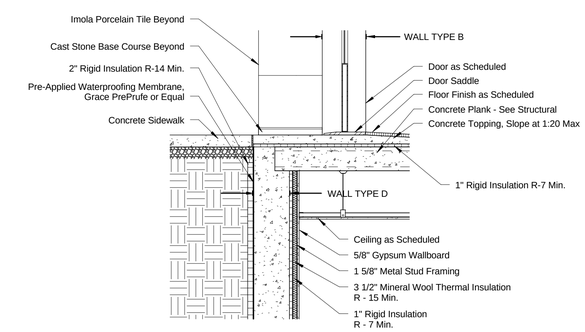


7 01_Brick w/ Awning_2
3/4" = 1'-0"



8 04_Wall Detail - Residential Entrance
1/2" = 1'-0"

Note:
Insulation in contact with the ground has
<=0.3% water absorption rate per ASTM C272.



9 03_Wall Detail @ Grade - Residential Entrance
1/2" = 1'-0"

PROJECT:

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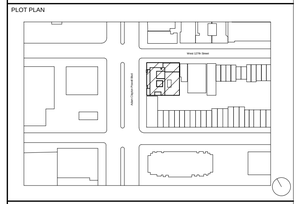
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

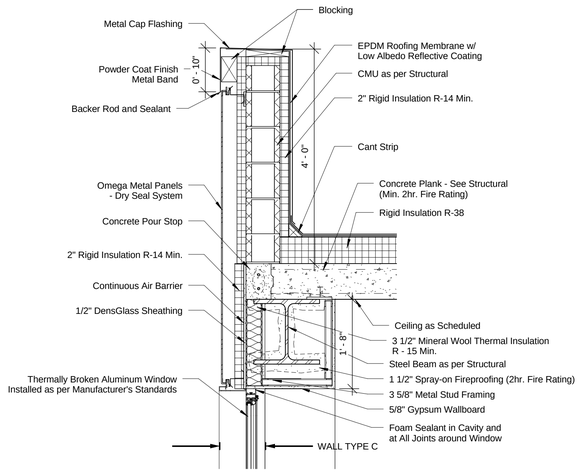
DRAWING TITLE:

WALL DETAILS II

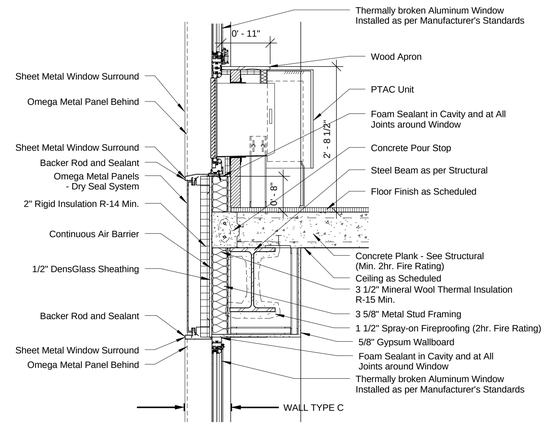
DRAWING #:

A321.00

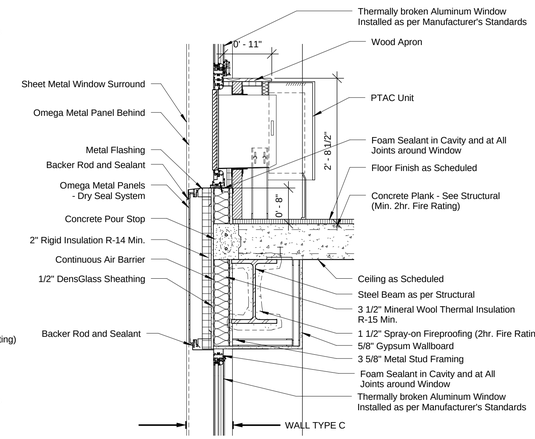
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
As indicated	SSS	



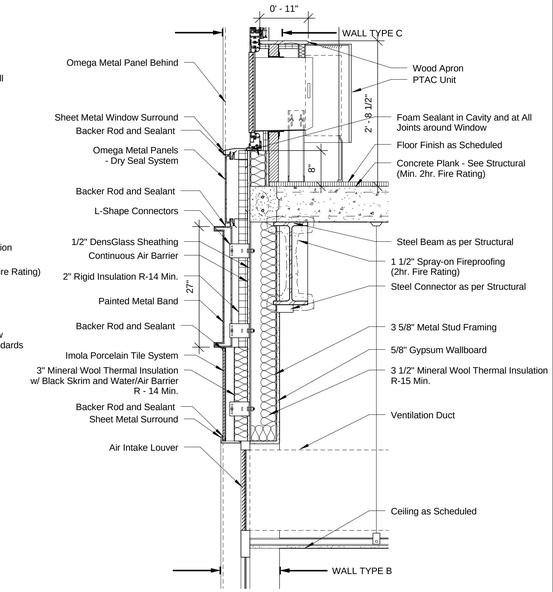
1 00_Parapet - Metal Panel - w/ Metal Band
3/4" = 1'-0"



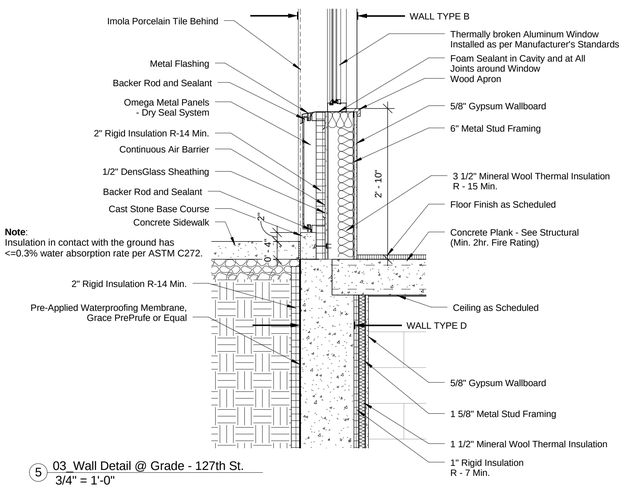
2 01_Metal Panel w/ Awning_2
3/4" = 1'-0"



3 01_Metal Panel w/ Awning_1
3/4" = 1'-0"

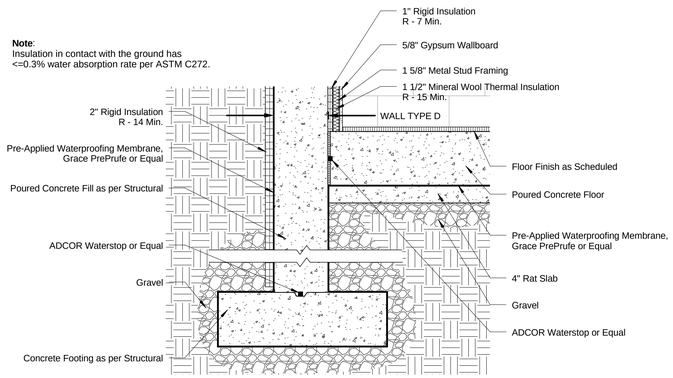


4 03_Transition_Porcelain to Metal Panel w/ Stone Band
3/4" = 1'-0"



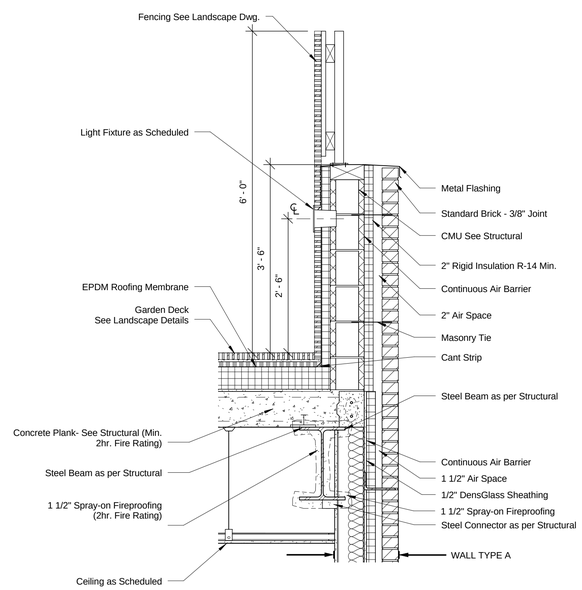
Note:
Insulation in contact with the ground has <=0.3% water absorption rate per ASTM C272.

5 03_Wall Detail @ Grade - 127th St.
3/4" = 1'-0"

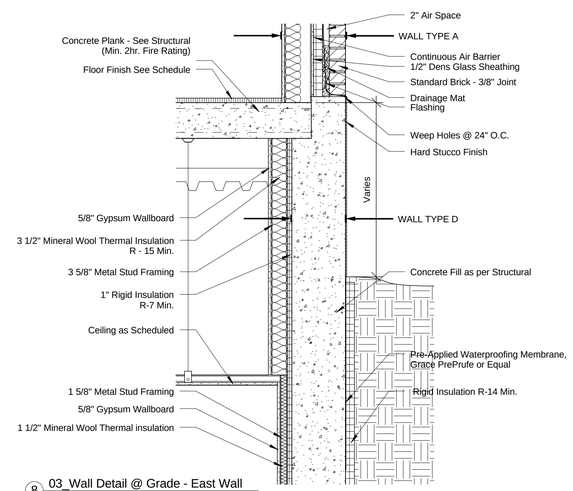


Note:
Insulation in contact with the ground has <=0.3% water absorption rate per ASTM C272.

6 03_Wall Detail @ Foundation - W127th St.
3/4" = 1'-0"

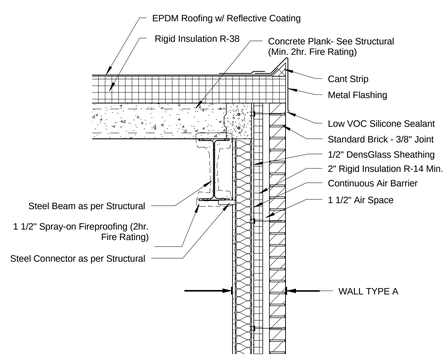


7 00_Parapet - Brick - 2nd Fl. Roof Garden
3/4" = 1'-0"



8 03_Wall Detail @ Grade - East Wall
3/4" = 1'-0"

Note:
Insulation in contact with the ground has <=0.3% water absorption rate per ASTM C272.



10 00_Top of Bulkhead
3/4" = 1'-0"

PROJECT:

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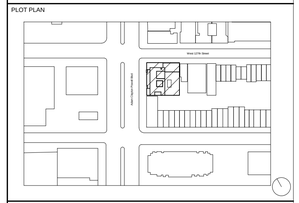
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

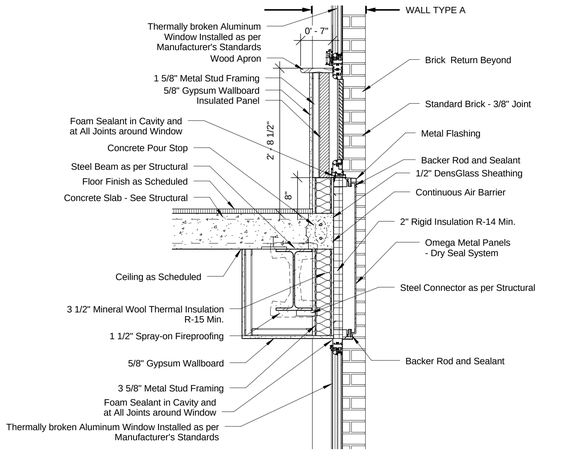
DRAWING TITLE:

WALL DETAILS III

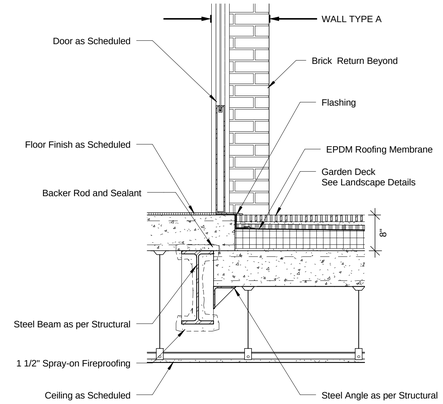
DRAWING #:

A322.00

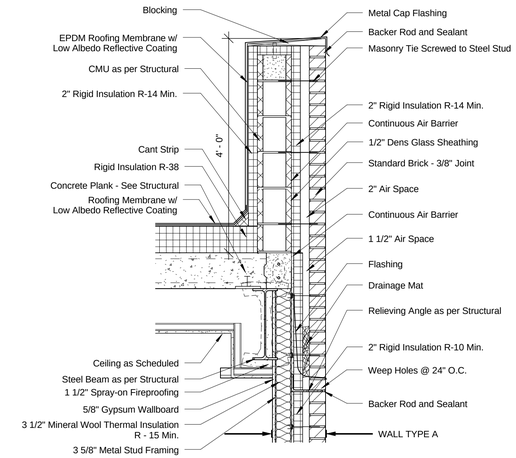
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
3/4" = 1'-0"	SSS	



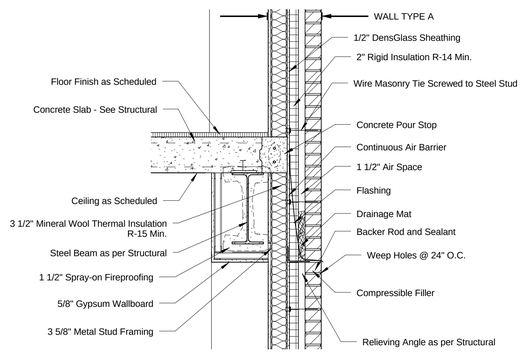
1 01_Brick w/ Awning_1
3/4" = 1'-0"



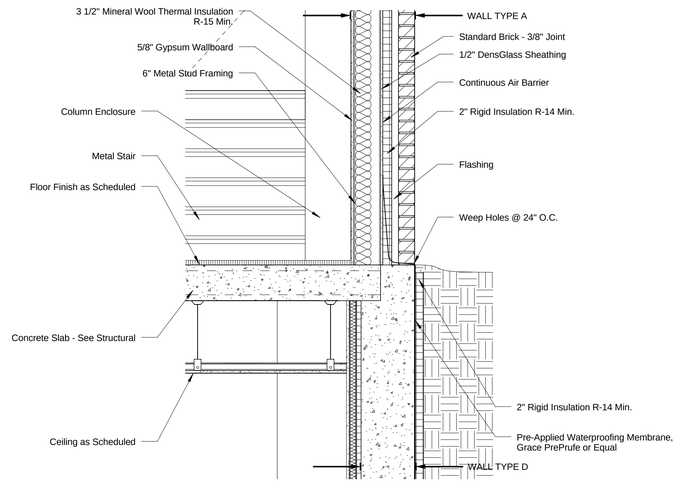
2 04_Plank Step - 2nd Fl. Roof Garden@Door
3/4" = 1'-0"



3 00_Parapet - Brick - Property Line
3/4" = 1'-0"

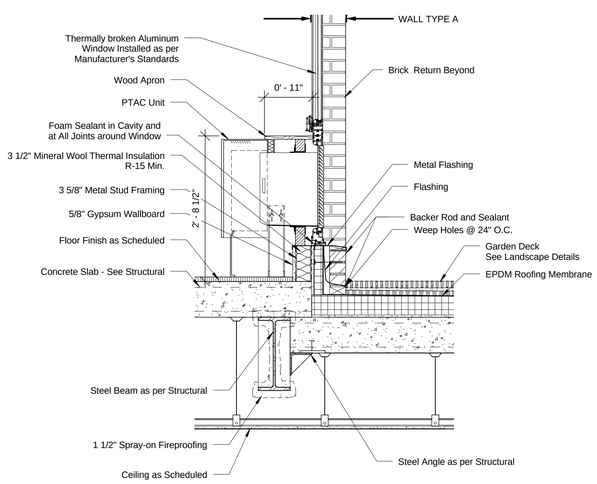


4 01_Brick @ Property Line
3/4" = 1'-0"

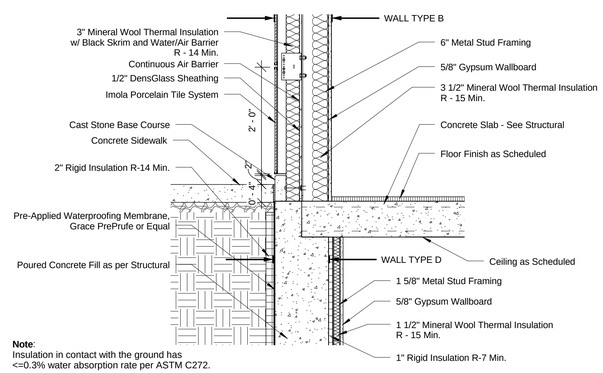


5 03_Wall Detail @ Grade - South Wall
3/4" = 1'-0"

Note:
Insulation in contact with the ground has <=0.3% water absorption rate per ASTM C272.



6 04_Plank Step - 2nd Fl. Roof Garden@Window
3/4" = 1'-0"



Note:
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7 03_Wall Detail @ Grade - Porcelain Tile
3/4" = 1'-0"

PROJECT:

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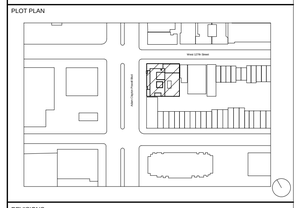
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

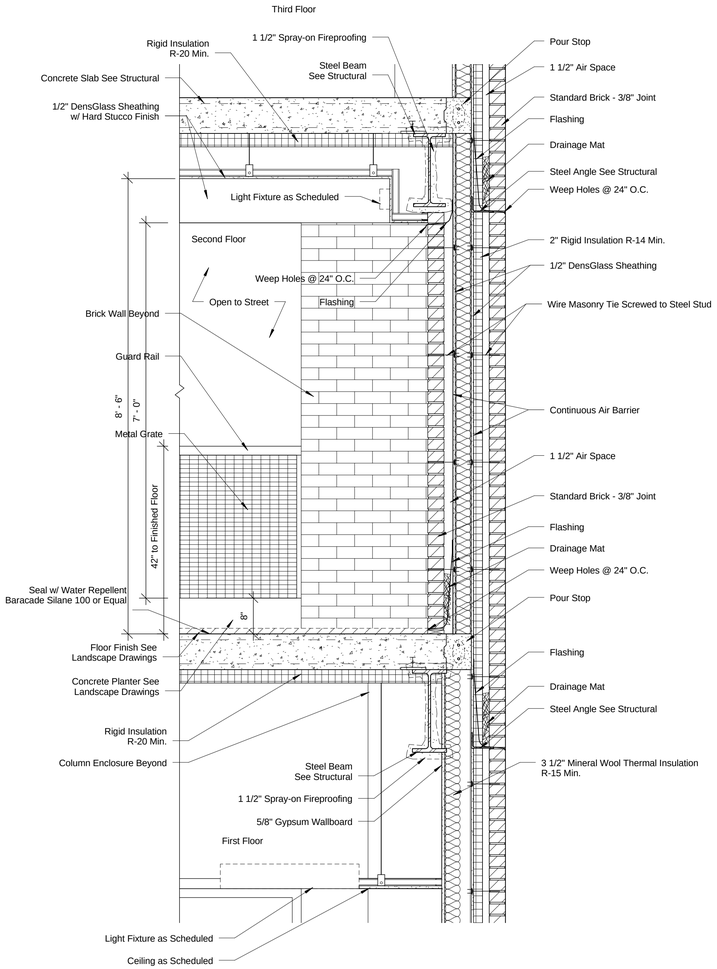
DRAWING TITLE:

WALL DETAILS IV

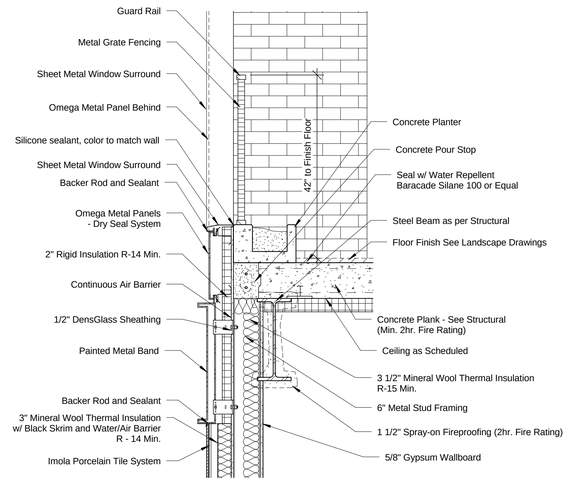
DRAWING #:

A323.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
3/4" = 1'-0"	SSS	



1 04_Wall Detail - Air Intake Brick Wall
3/4" = 1'-0"



2 04_Wall Detail - Air Intake Sill Detail
3/4" = 1'-0"

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2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling

West Side Center for Children and Family Services

ARCHITECT:

THE OFFICE OF
SAMIR S. SHAH, ARCHITECT
URBAN | QUOTIENT
231 Front Street
Suite 211
Brooklyn, NY 11201
646.837.5499
info@urbanquotient.com

CONSULTANTS:

Structural Engineers:

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15 Reservoir Road
White Plains, NY 10363-2516
Tel: 914.948.8844 Fax: 914.948.8868

MEP Engineers:

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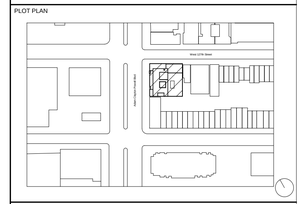
Expediting/Code Consulting:

P Wolfe Consultants. Inc.
291 Broadway, Suite 200
New York, NY 10007
Ph: 212-938-8000
Fax: 212-938-8008

PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

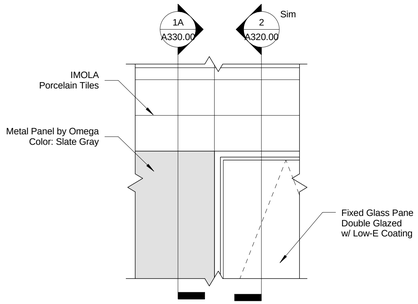
DRAWING TITLE:

WALL DETAILS V

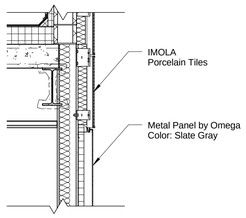
DRAWING #:

A324.00

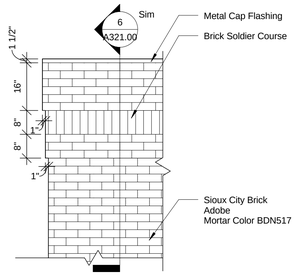
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
3/4" = 1'-0"	SSS	



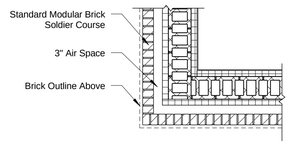
1 Porcelain Tile to Metal Panel Transition
1/2" = 1'-0"



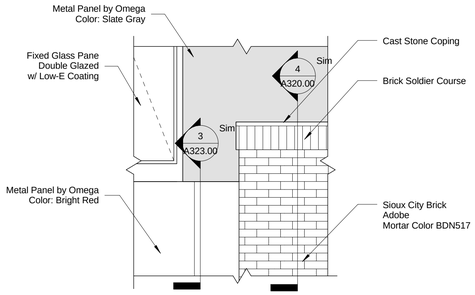
1A Section 1A
1/2" = 1'-0"



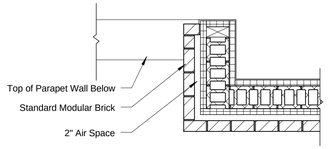
2 Soldier Course at 10th Floor Parapet
1/2" = 1'-0"



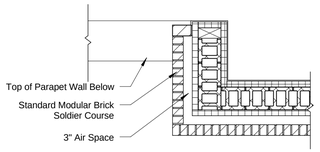
2A Plan Detail at Soldier Course
1/2" = 1'-0"



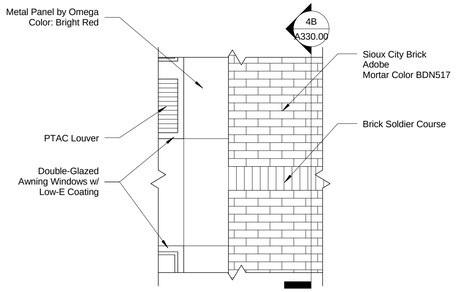
3 Soldier Course at 9th Floor Parapet
1/2" = 1'-0"



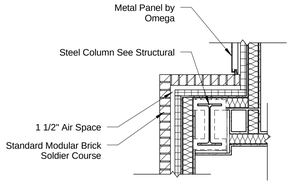
3A Plan Detail
1/2" = 1'-0"



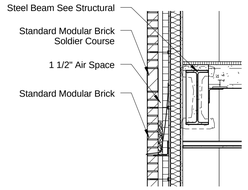
3B Plan Detail at Soldier Course
1/2" = 1'-0"



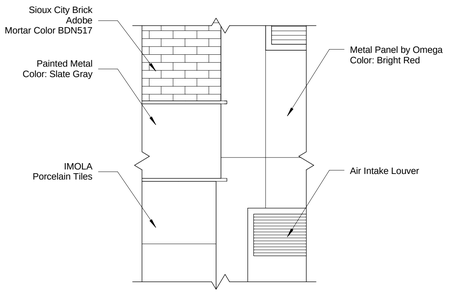
4 Soldier Course at 7th Floor
1/2" = 1'-0"



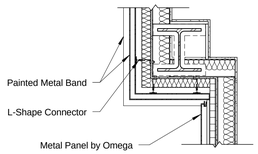
4A Plan Detail
1/2" = 1'-0"



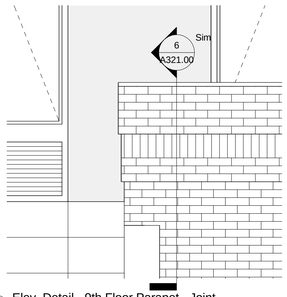
4B Section 4B
1/2" = 1'-0"



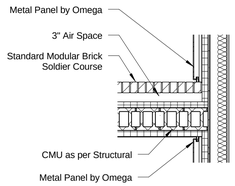
5 Elev. Detail - 1st Floor - Metal Band
1/2" = 1'-0"



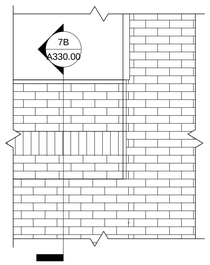
5A Plan Detail
1/2" = 1'-0"



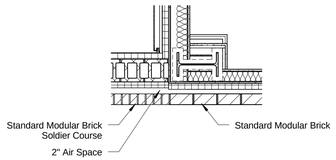
6 Elev. Detail - 9th Floor Parapet - Joint
1/2" = 1'-0"



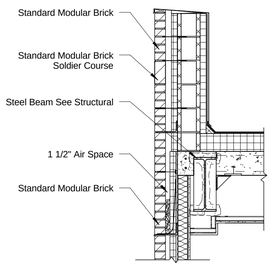
6A Plan Detail
1/2" = 1'-0"



7 10th Floor Parapet @ South Property Line
1/2" = 1'-0"



7A Plan Detail
1/2" = 1'-0"



7B Section
1/2" = 1'-0"

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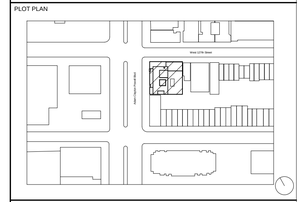
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

ELEVATION DETAILS

DRAWING #:

A330.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
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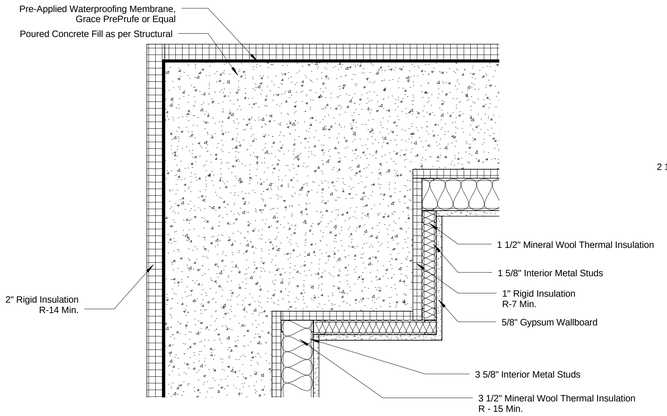
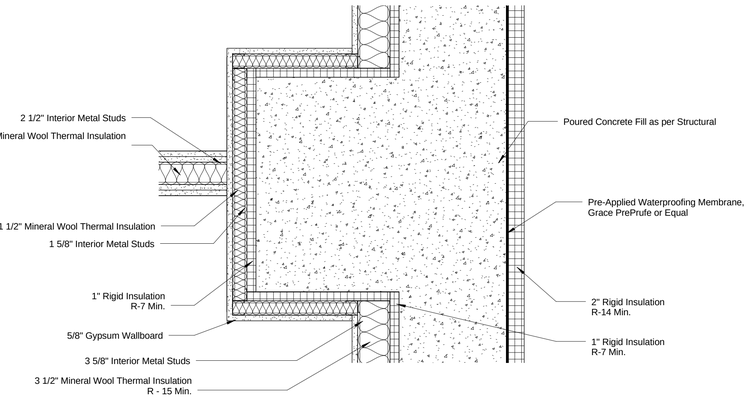
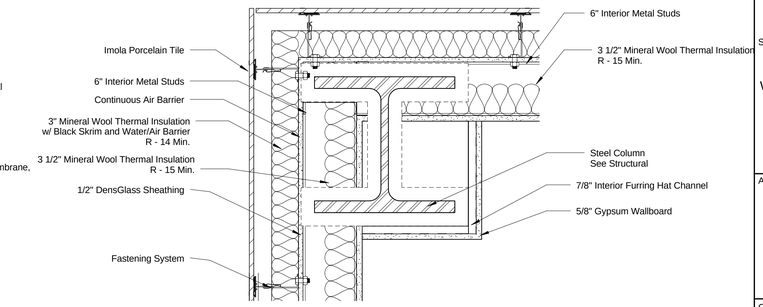


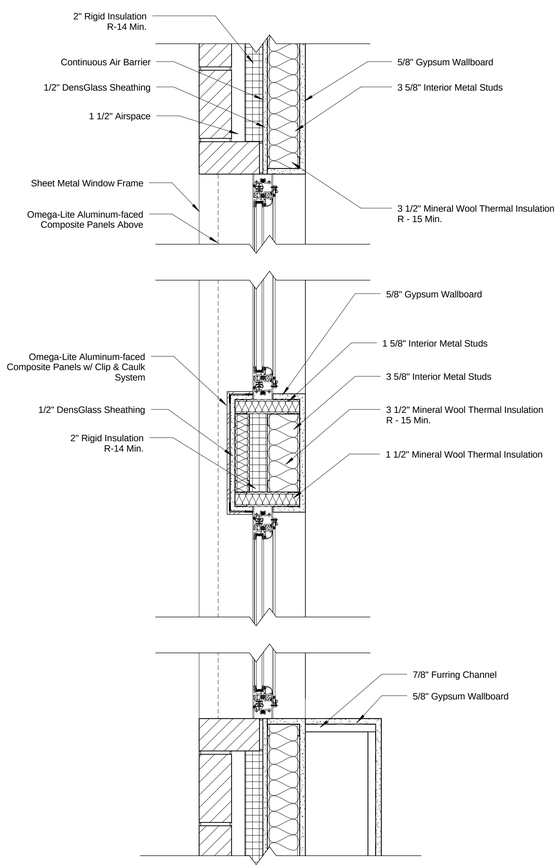
1 Concrete Pier@Corner
1 1/2" = 1'-0"



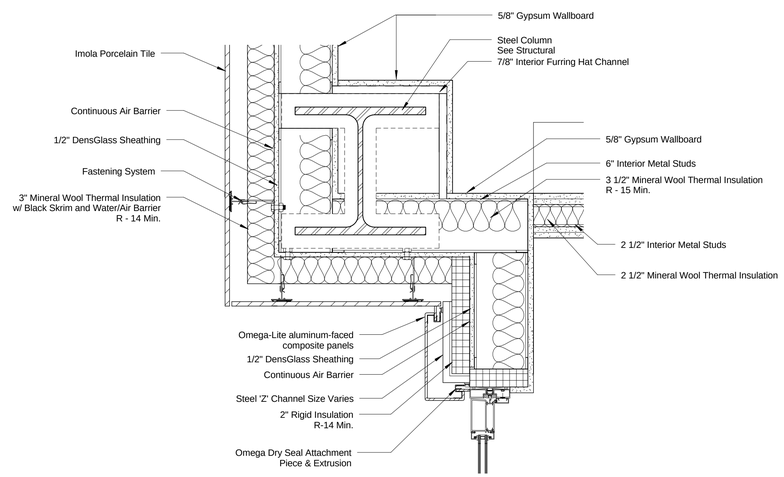
2 Concrete Pier
1 1/2" = 1'-0"



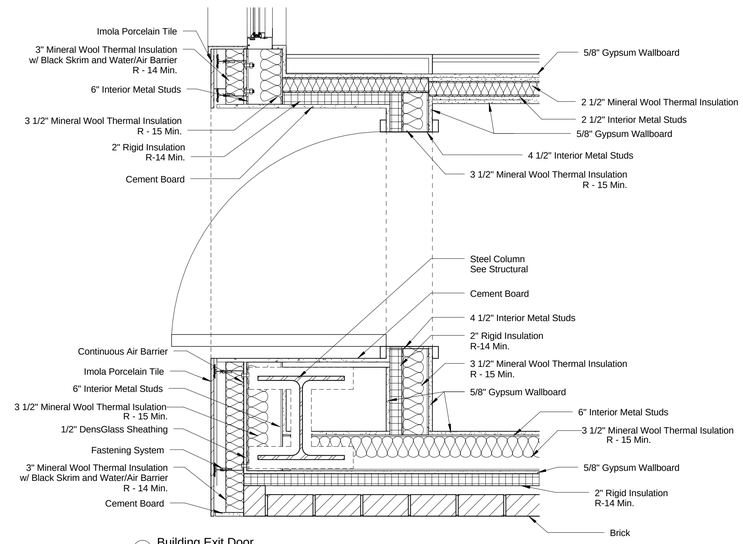
3 Imola Porcelain Tile Return
1 1/2" = 1'-0"



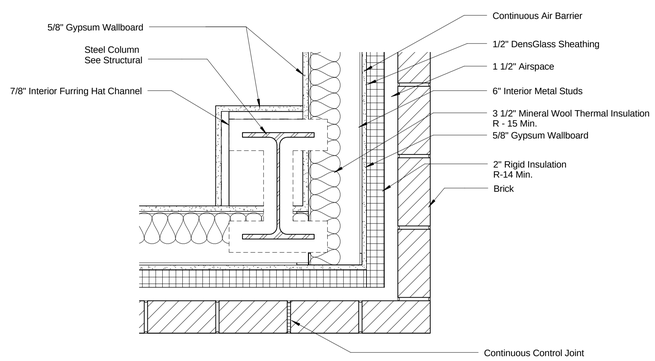
4 Awning Window Connection
1 1/2" = 1'-0"



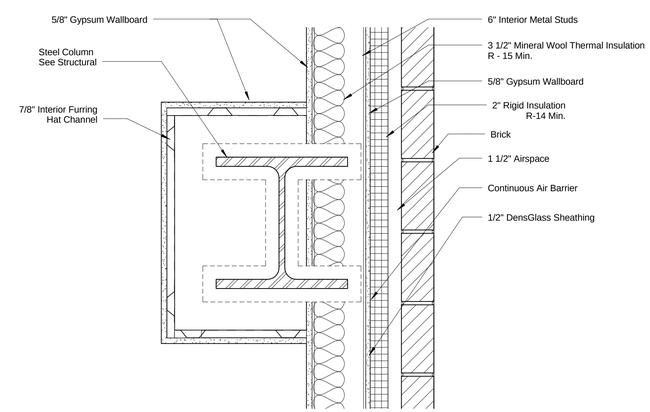
5 Porcelain Tile to Metal Panel Transition
1 1/2" = 1'-0"



6 Building Exit Door
1" = 1'-0"



7 Brick Return w/ Control Joint
1 1/2" = 1'-0"



8 Ground Floor Column Enclosure
1 1/2" = 1'-0"

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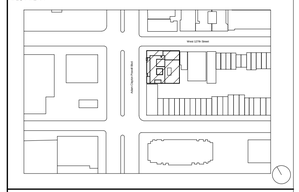
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

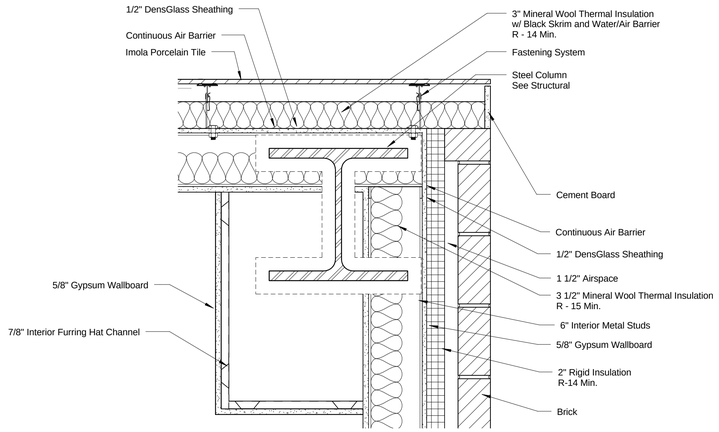
DRAWING TITLE:

PLAN DETAILS I

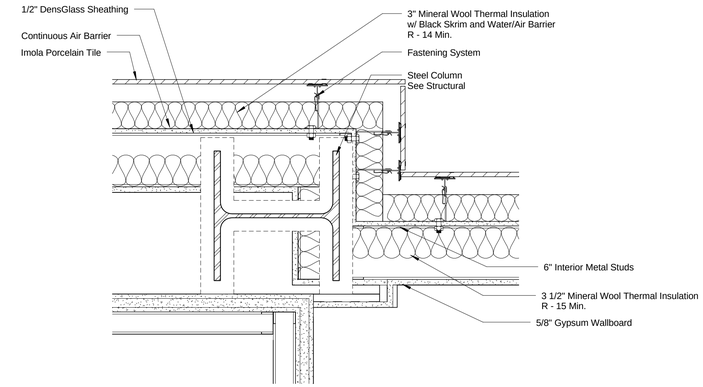
DRAWING #:

A340.00

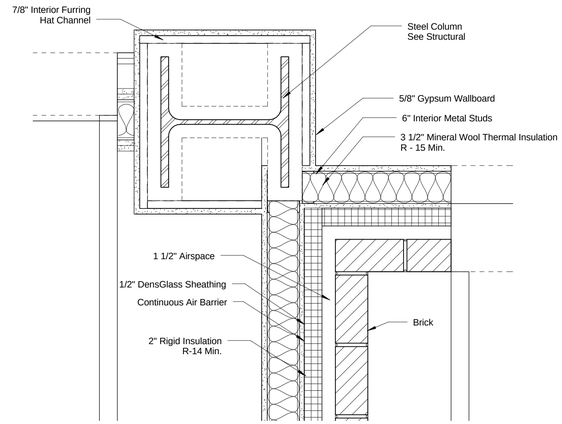
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE: As indicated	CHECKED BY: SSS	SHEET:



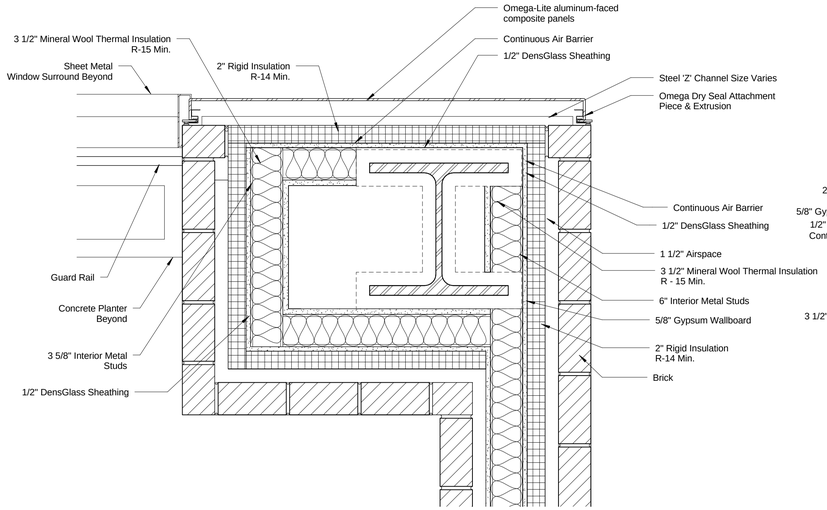
1 Imola Procelain Tile to Brick Transition
1 1/2" = 1'-0"



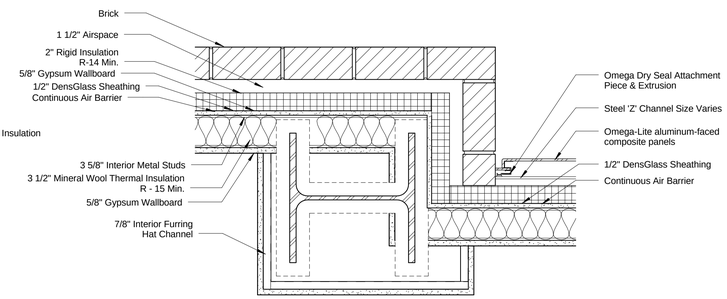
2 Imola Porcelain Tile Return at 127th St.
1 1/2" = 1'-0"



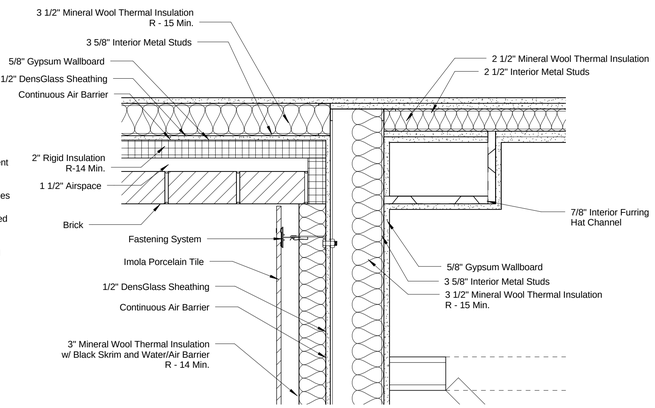
3 Brick Return
1 1/2" = 1'-0"



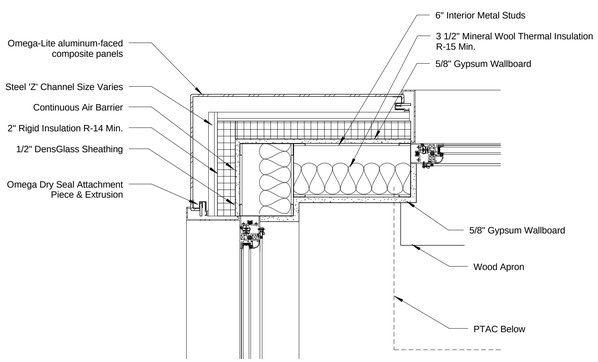
4 Metal Panel to Brick Transition at Corner
1 1/2" = 1'-0"



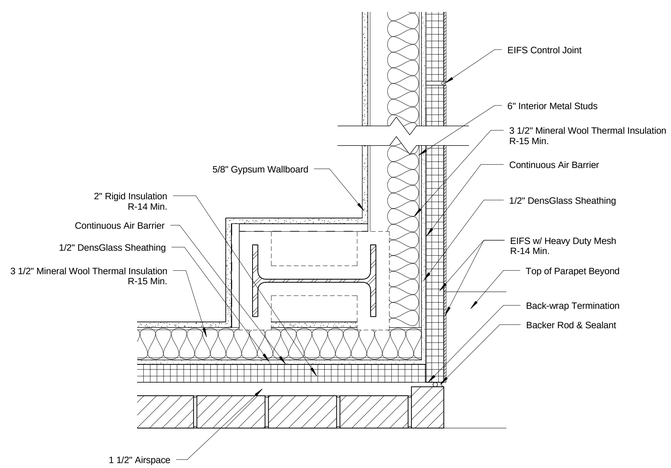
5 Brick to Metal Panel Transition
1 1/2" = 1'-0"



6 Brick to Imola Porcelain Tile Transition at 9th Floor
1 1/2" = 1'-0"



7 Metal Panel Return
1 1/2" = 1'-0"



8 EIFS to Brick Transition on Roof
1 1/2" = 1'-0"

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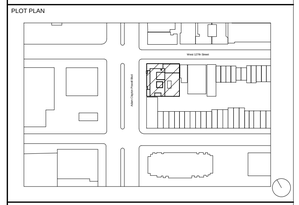
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

PLAN DETAILS II

DRAWING #:

A341.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
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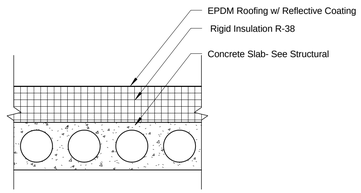
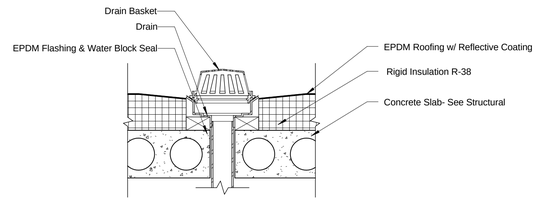
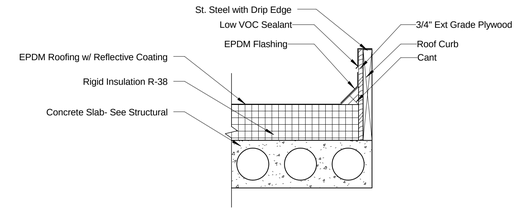


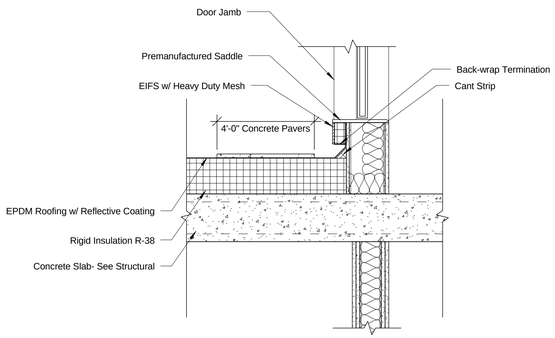
1 Typical Roof Section (Excluding 2nd Floor Garden Terrace
1" = 1'-0"



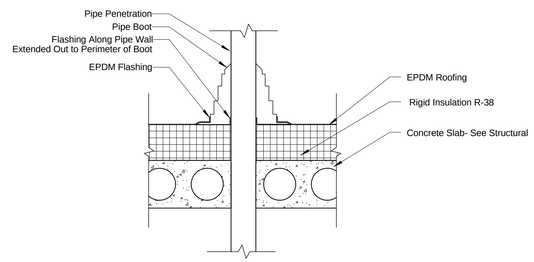
2 Typical Roof Drain Detail
1" = 1'-0"



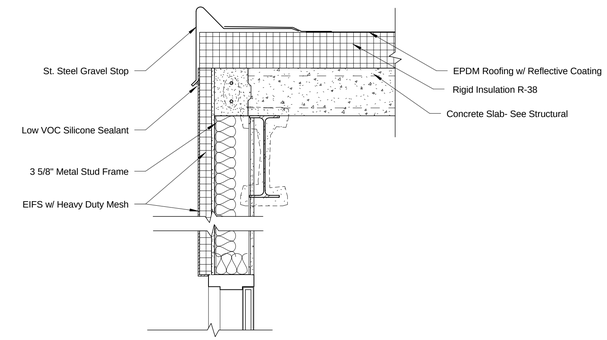
3 Curb Detail at Mechanical Equipment
1" = 1'-0"



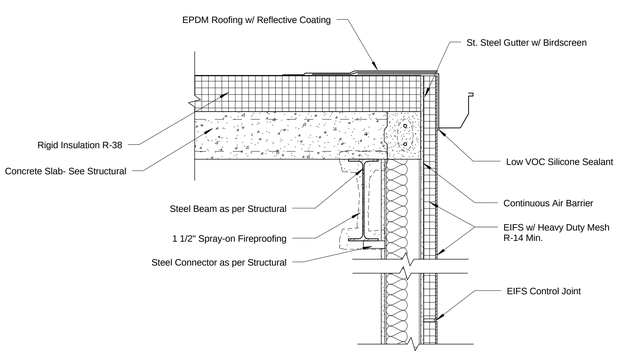
4 Detail at Bulkhead Door
1" = 1'-0"



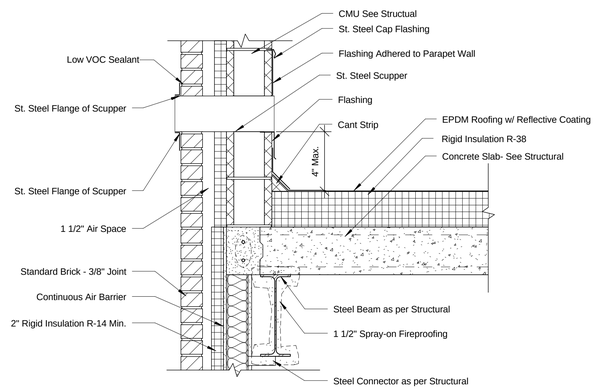
5 Typical Pipe Penetration Detail
1" = 1'-0"



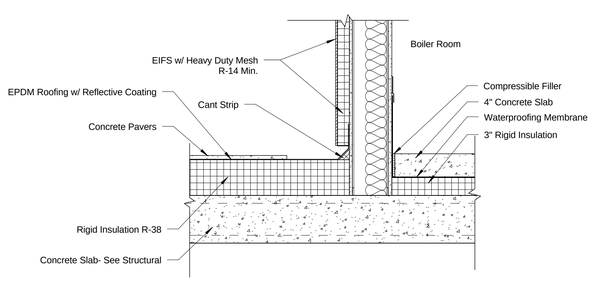
6 Detail at Bulkhead Door/Roof
1" = 1'-0"



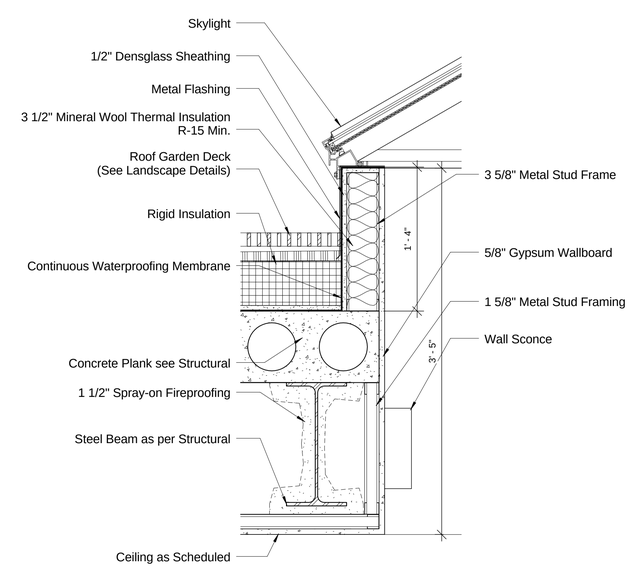
7 Detail at Bulkhead Roof - Gutter
1" = 1'-0"



8 Overflow Scupper Detail
1" = 1'-0"



9 Detail at Boiler Room
1" = 1'-0"



10 01_Skylight Section_Curb Detail
1 1/2" = 1'-0"

Skylight Window Schedule

Mark	Count	Operation	Size		Glazing	Frame Material	U -Factor	SHGC	Description
			Width	Height					
?	4	Fixed	4'	8'	Low-E Doble Pane	ALUM	0.550	0.40	Skylight at 2nd Floor Roof

PROJECT:

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2139 Adam Clayton Powell, Jr. Blvd.
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SPONSOR:

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West Side Center for Children and Family Services

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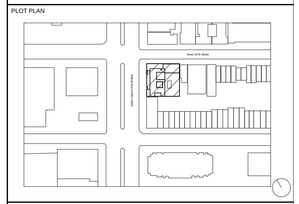
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

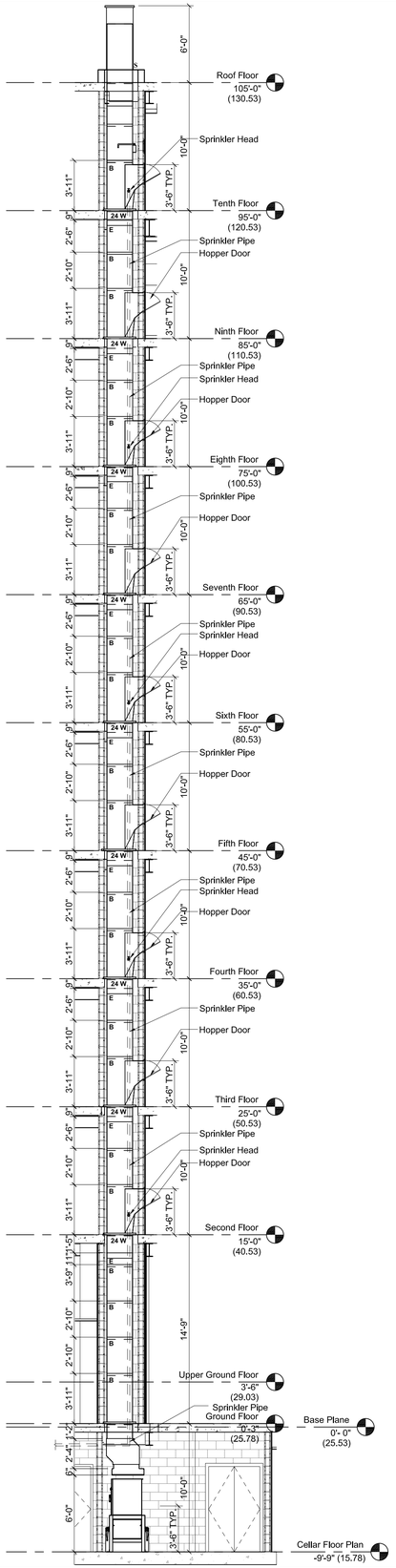
DRAWING TITLE:

ROOF DETAILS

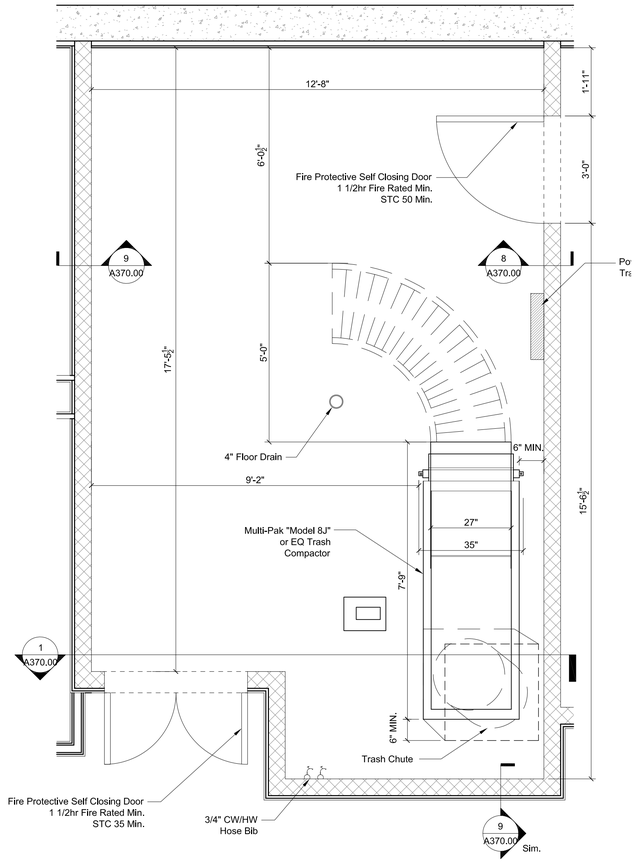
DRAWING #:

A350.00

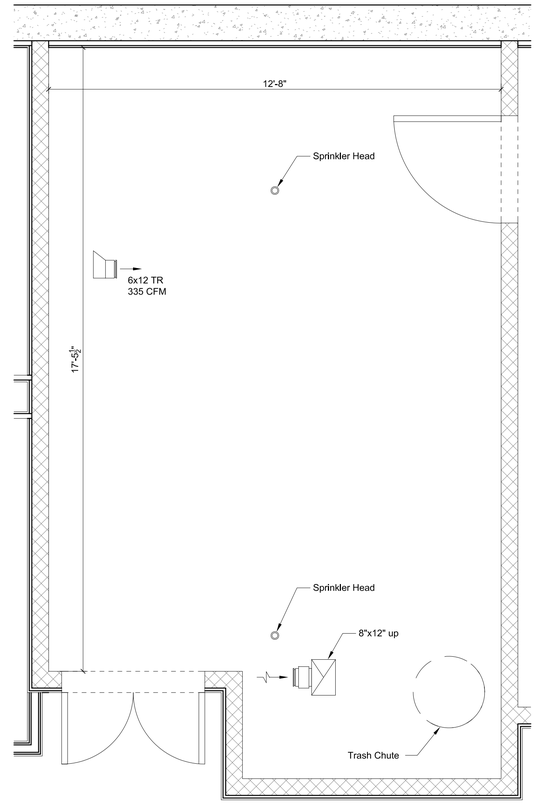
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
As indicated	SSS	



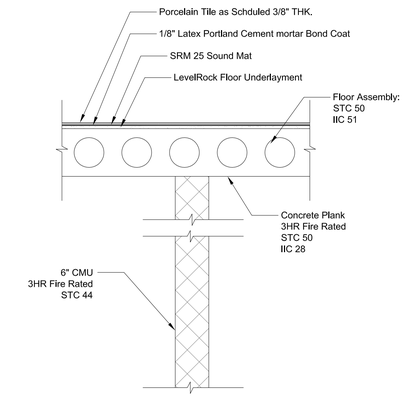
1 Trash Chute Section Detail
3/16" = 1'-0"



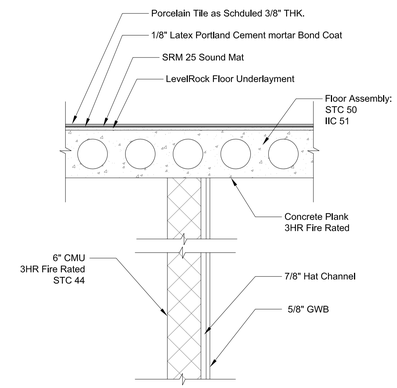
2 Compactor Room - Cellar
1/2" = 1'-0"



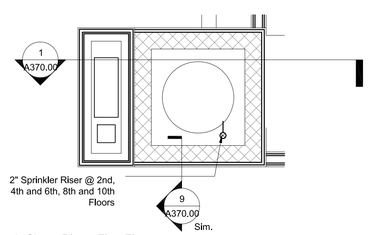
7 Compactor Room - RCP
1/2" = 1'-0"



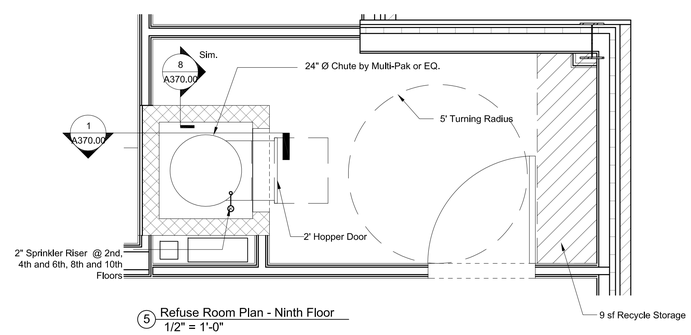
8 None-Load bearing CMU Wall
3 HR Fire Rating



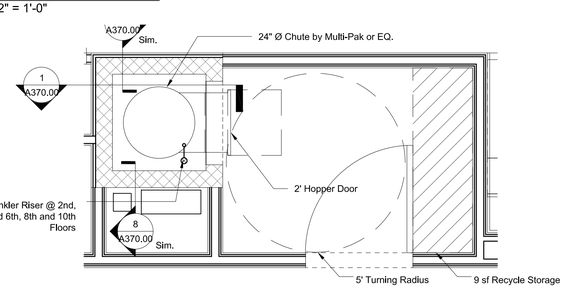
9 None-Load bearing CMU Wall
3 HR Fire Rating



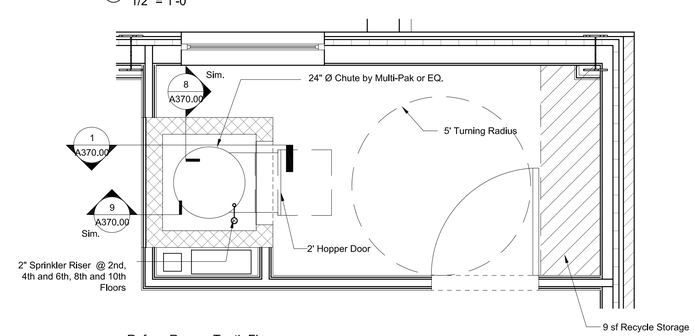
3 Trash Chute Plan - First Floor
1/2" = 1'-0"



5 Refuse Room Plan - Ninth Floor
1/2" = 1'-0"



4 RefuseRoom Plan - TYP (2-8)
1/2" = 1'-0"



6 Refuse Room - Tenth Floor
1/2" = 1'-0"

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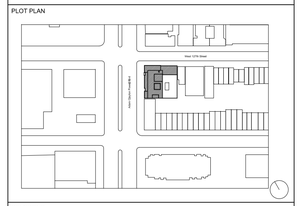

REVISIONS:

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BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

TRASH CHUTE SECTIONS & DETAILS

DRAWING #:

A370.00

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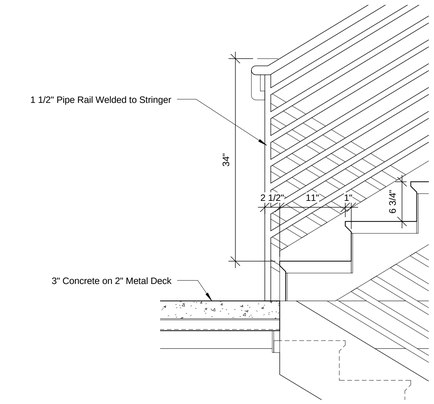
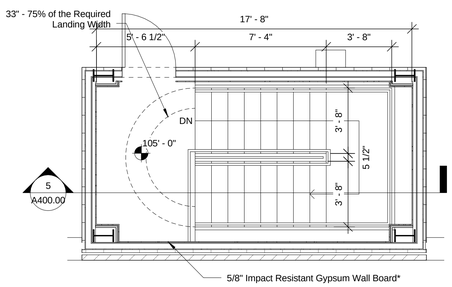
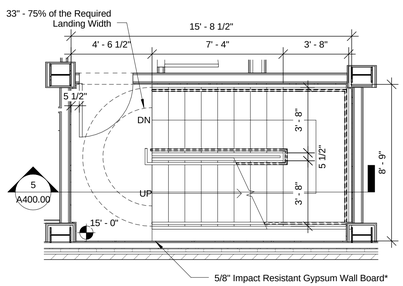


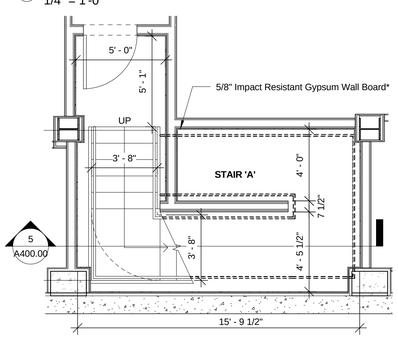
12 Stair/Landing Connection Detail
1" = 1'-0"



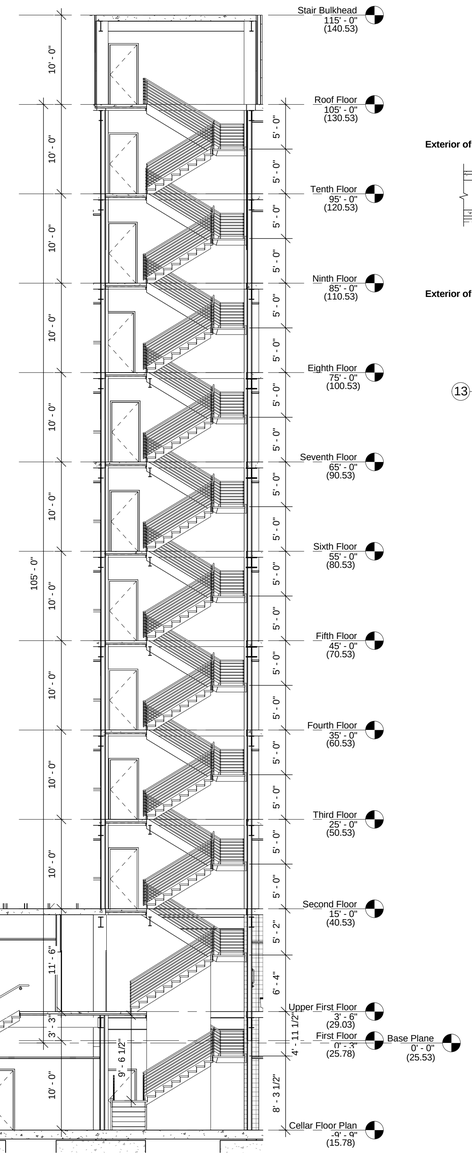
4 Stair 'A' - Roof Plan
1/4" = 1'-0"



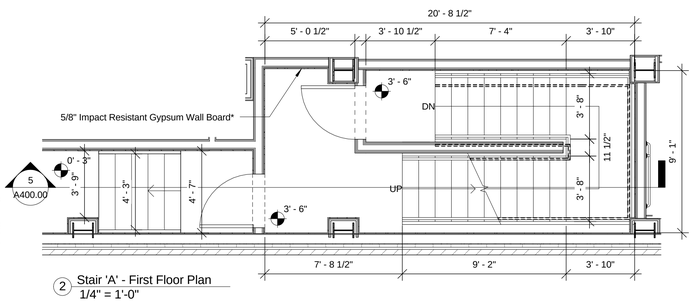
3 Stair 'A' - Typical Floor Plan (2-10)
1/4" = 1'-0"



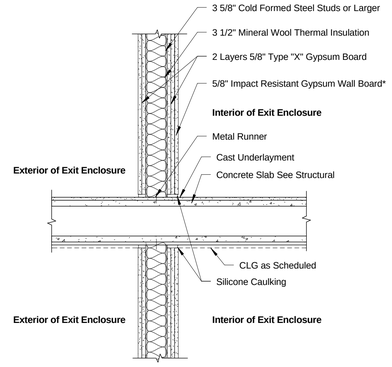
1 Stair 'A' - Cellar Floor Plan
1/4" = 1'-0"



5 Stair 'A' - Section
1/8" = 1'-0"



2 Stair 'A' - First Floor Plan
1/4" = 1'-0"



13 Exit Enclosure Wall Detail
1" = 1'-0"

Notes:

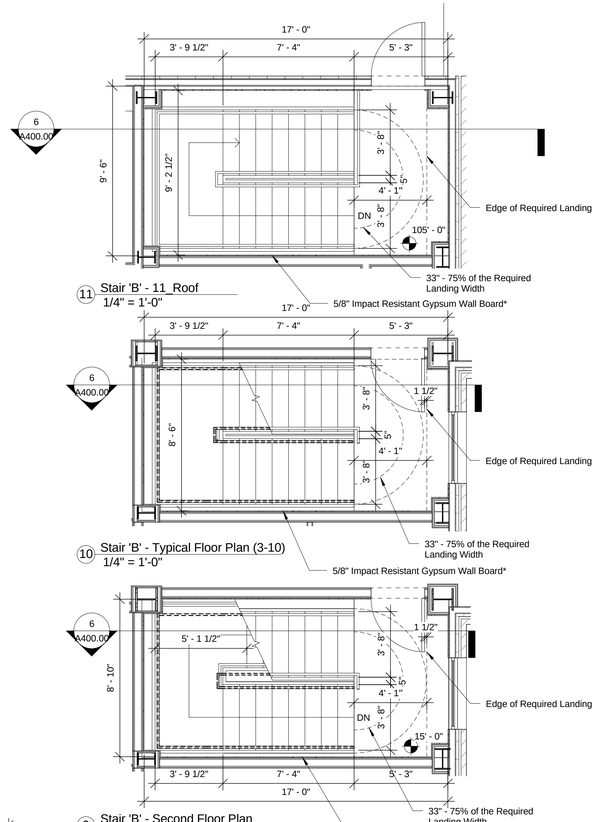
Installation shall comply with the following:

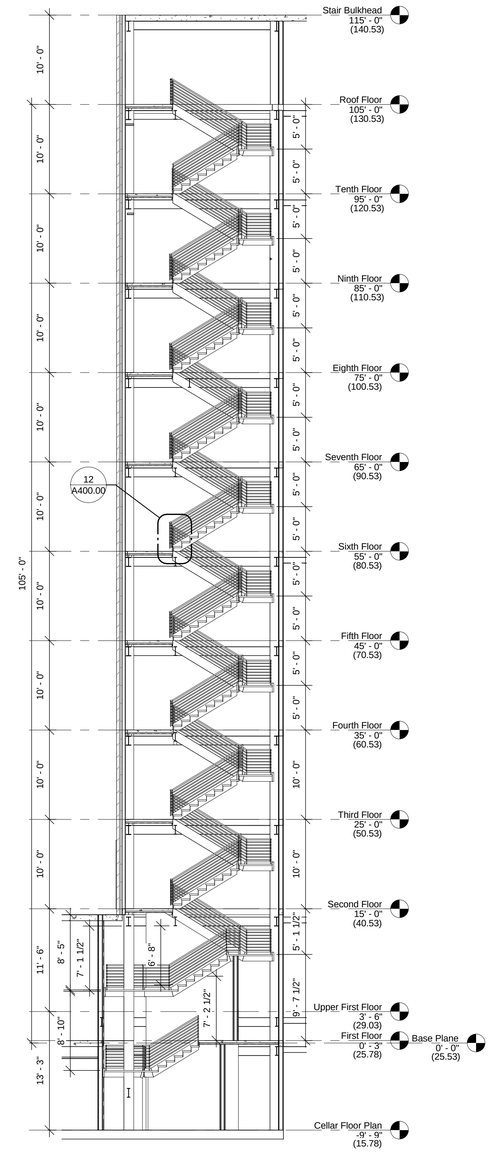
1. Studs shall be minimum 3 1/2 inch (89mm) depth cold-formed steel framing, at least 33 mils thick (20 guage).
2. Vertical studs shall be spaced at a maximum distance of 24 inches (610mm) on center.
3. Runners shall be securely attached at the floor and ceiling to structural element members and shall comply with the structural requirements of the building code.
4. Wall boards shall be attached with NO. 8 self-drilling bugle-head screws, 12 inches (305mm), on center maximum, with a minimum depth of 5/8 inch (16mm) penetration into the wall cavity.
5. Joints between adjoining sheets of wall board shall be staggered from base layer with face panel layer.

* 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 5/8 inch (16mm) gypsum wall board.

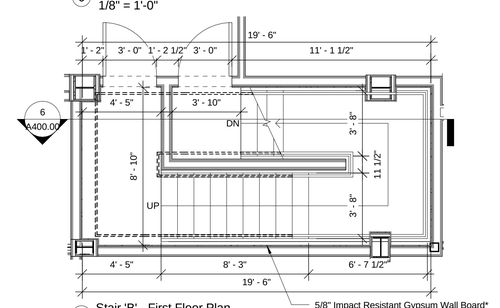
The Impact resistant wall for stairways and elevator shaft shall comply with DOB memo date 8/13/2008 and RCNY 403-01.

Acceptable products and manufacturers shall be GOLD BOND® BRAND HI-ABUSE XP GYPSUM BOARD or Equal.





6 Stair 'B' - Section
1/8" = 1'-0"



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ARCHITECT:

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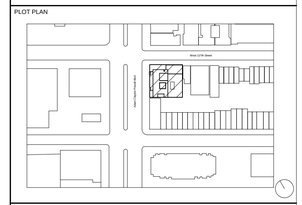
PLOT PLAN



REVISIONS:

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BUILDING DEPARTMENT #:

121908132

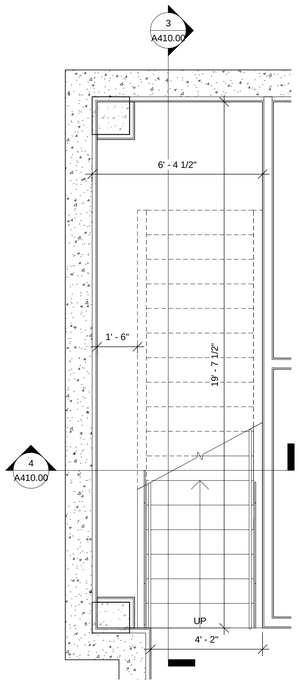
DRAWING TITLE:

STAIR SECTIONS & DETAILS I

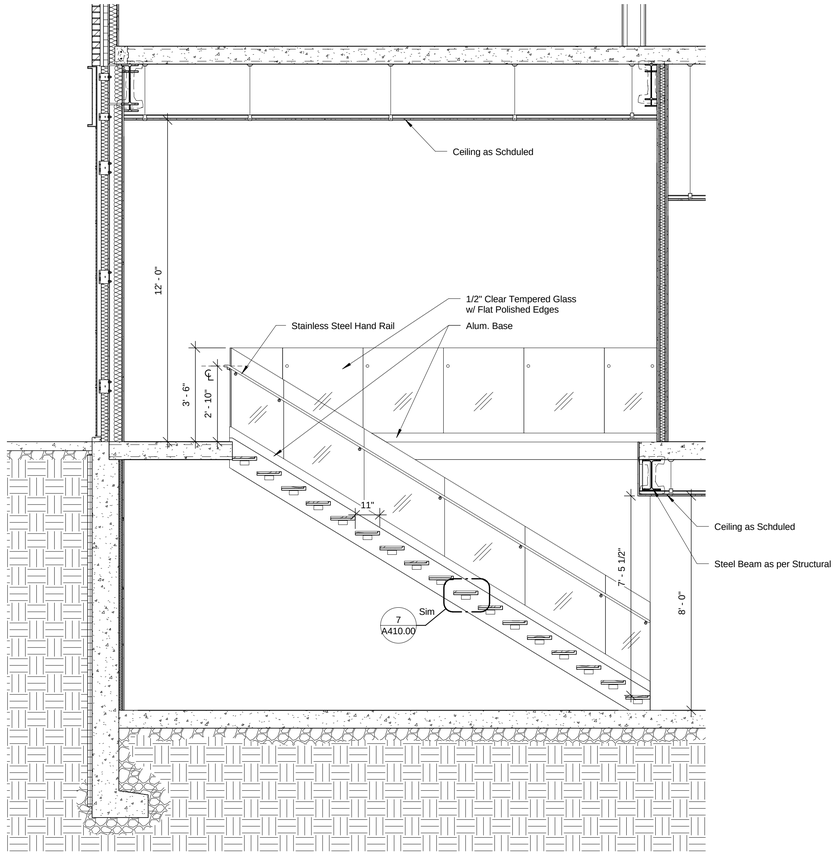
DRAWING #:

A400.00

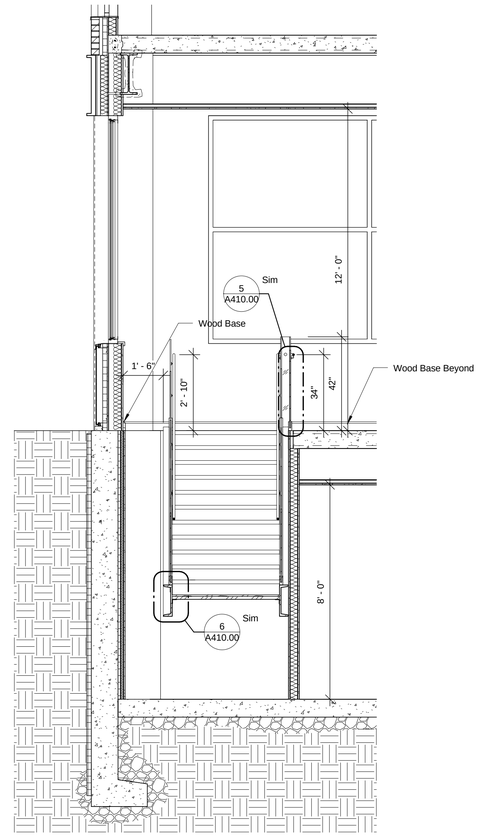
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
As indicated	SSS	



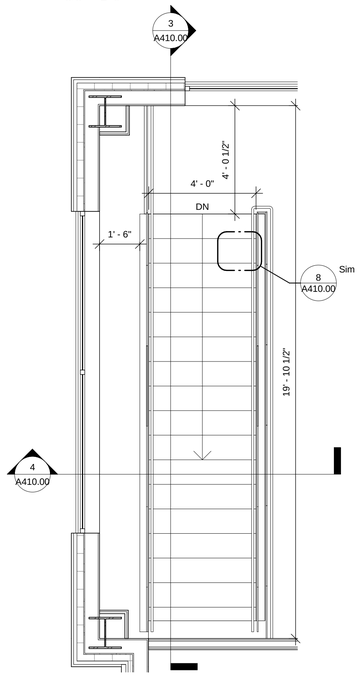
1 Stair@HD Lobby - 00_Cellar
3/8" = 1'-0"



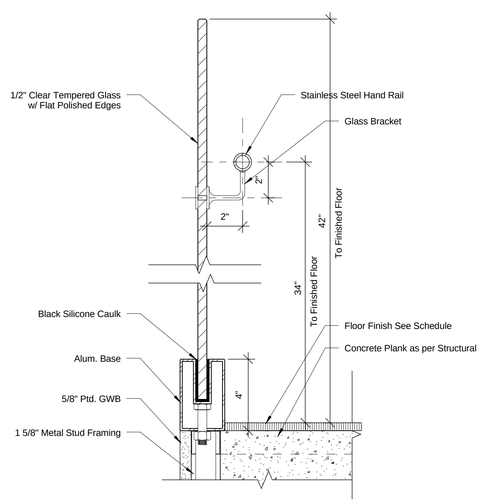
3 Stair @ 01_Entry Stair_a
3/8" = 1'-0"



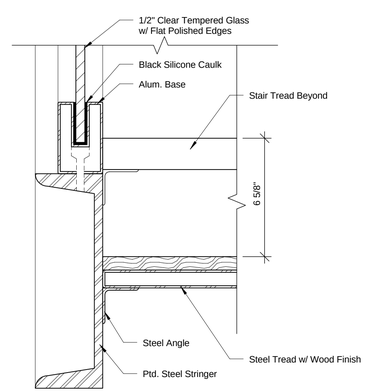
4 Stair @ 01_Entry Stair_b
3/8" = 1'-0"



2 Stair@HD Lobby - 01_Ground Floor
3/8" = 1'-0"



5 Stair Details - Hand Rail_Section
3" = 1'-0"



6 Stair Details - Stringer_Section
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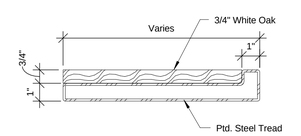
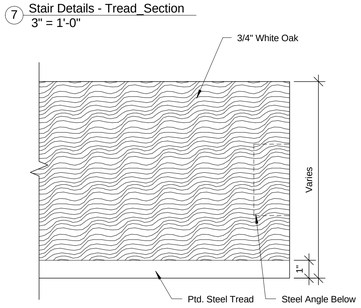


7 Stair Details - Tread_Section
3" = 1'-0"



8 Stair Details - Tread_Plan
3" = 1'-0"

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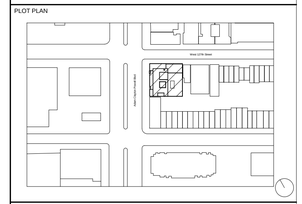


REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

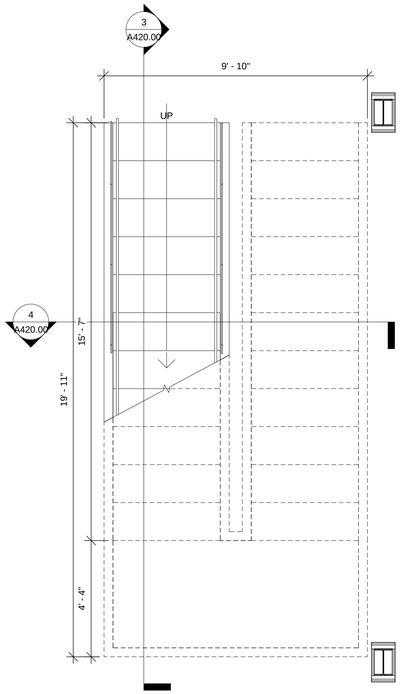
DRAWING TITLE:

STAIR SECTIONS & DETAILS II

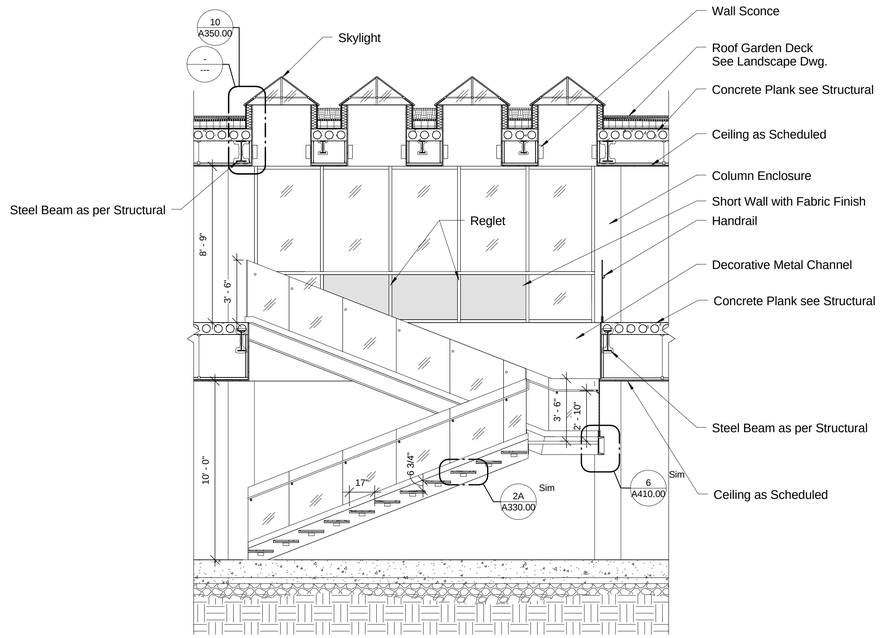
DRAWING #:

A410.00

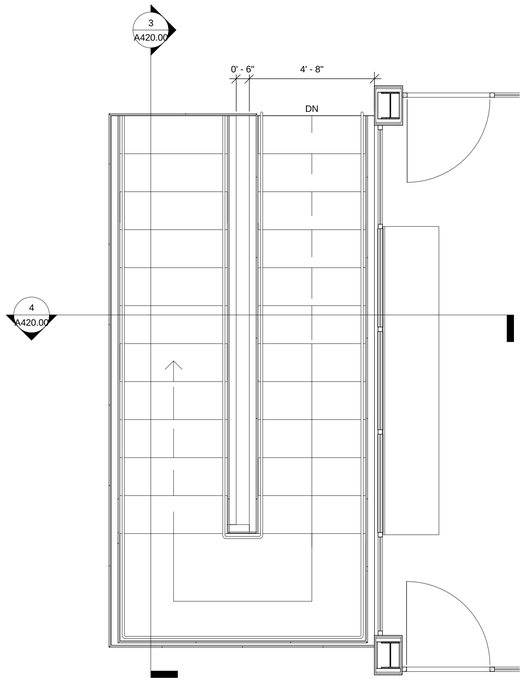
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
As indicated	SSS	



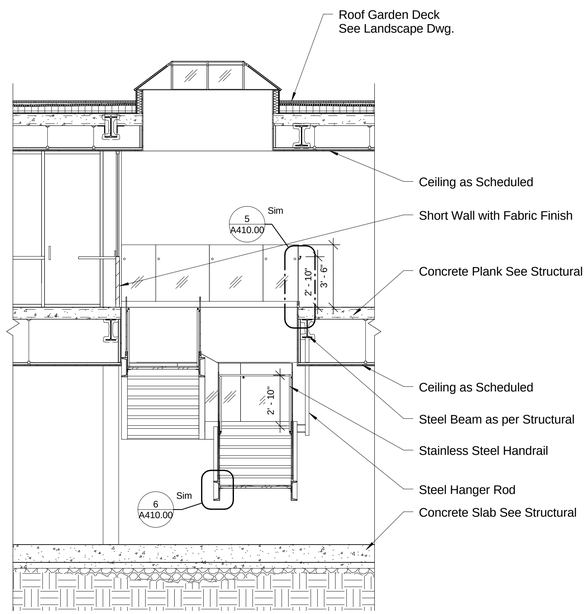
1 Stair@Skylight - 00_Cellar
3/8" = 1'-0"



3 Stair @ 01_Skylight Section_a
1/4" = 1'-0"



2 Stair@Skylight - 01_Ground Floor
3/8" = 1'-0"



4 Stair @ 01_Skylight Section_b
1/4" = 1'-0"

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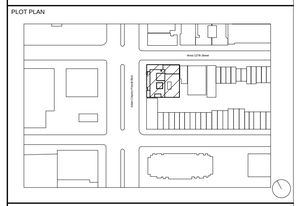
Fax: 212-938-8008

PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

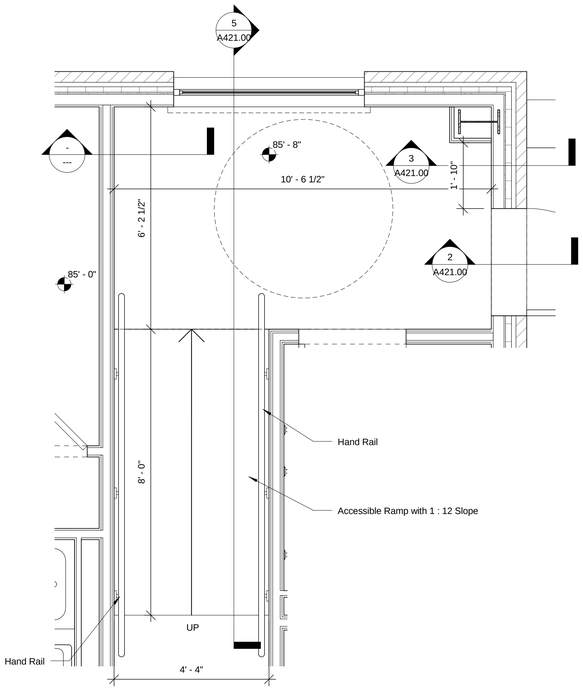
DRAWING TITLE:

STAIR SECTIONS & DETAILS III

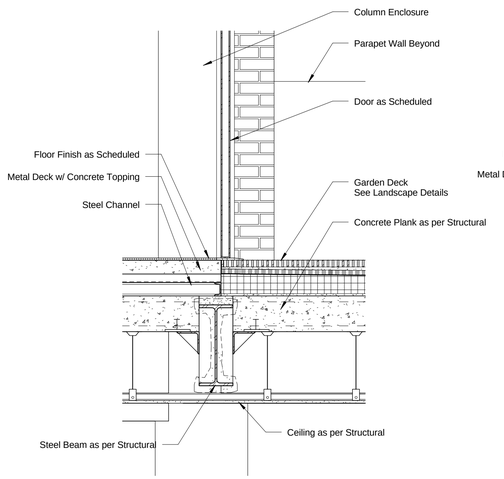
DRAWING #:

A420.00

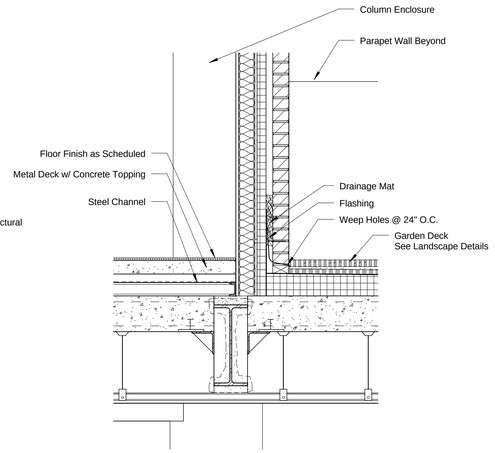
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
As indicated	SSS	



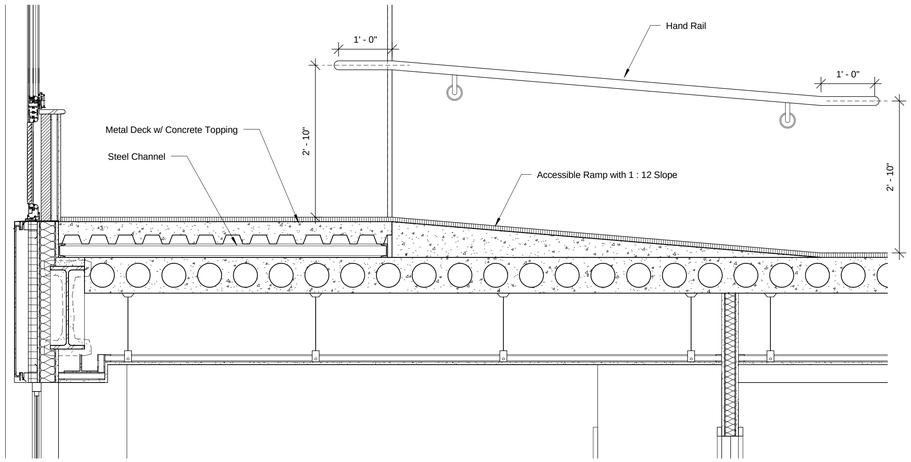
1 9th Floor Lounge Ramp & Stair
1/2" = 1'-0"



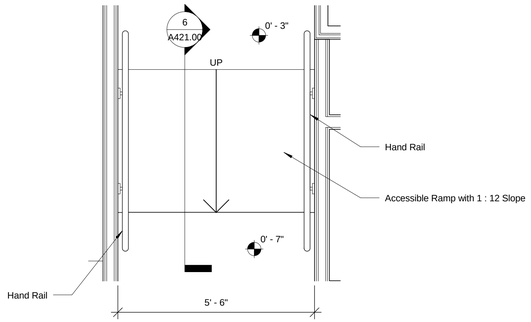
2 Section I
3/4" = 1'-0"



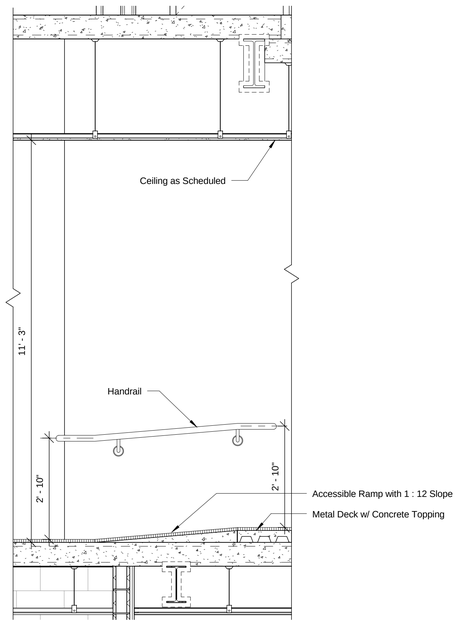
3 Section II
3/4" = 1'-0"



5 Seciton Iv
3/4" = 1'-0"



4 Stair Plan @ 127th St. Corridor
1/2" = 1'-0"



6 Stair Section @ 127th St. Corridor
1/2" = 1'-0"

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling

West Side Center for Children and Family Services

ARCHITECT:

THE OFFICE OF
SAMIR S. SHAH, ARCHITECT
URBAN | QUOTIENT
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Expediting/Code Consulting:

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New York, NY 10007
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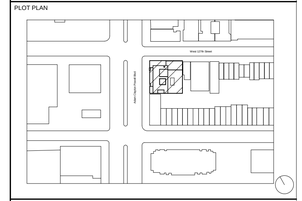
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

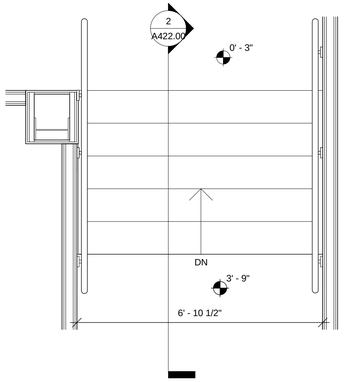
DRAWING TITLE:

STAIR SECTIONS & DETAILS IV

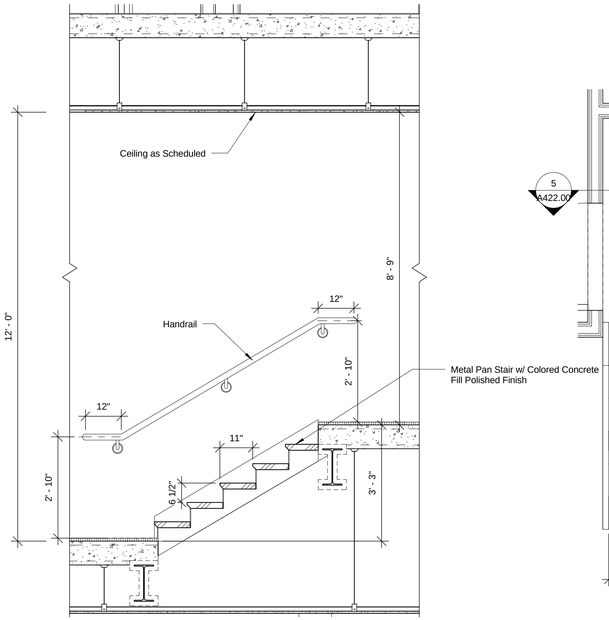
DRAWING #:

A421.00

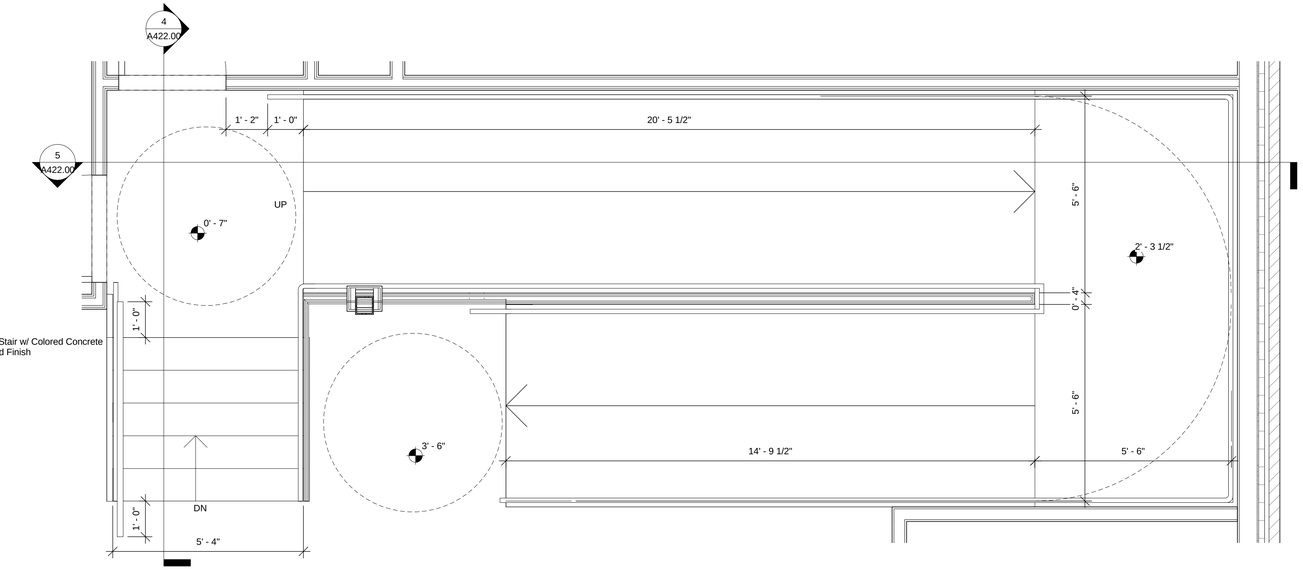
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
As indicated	SSS	



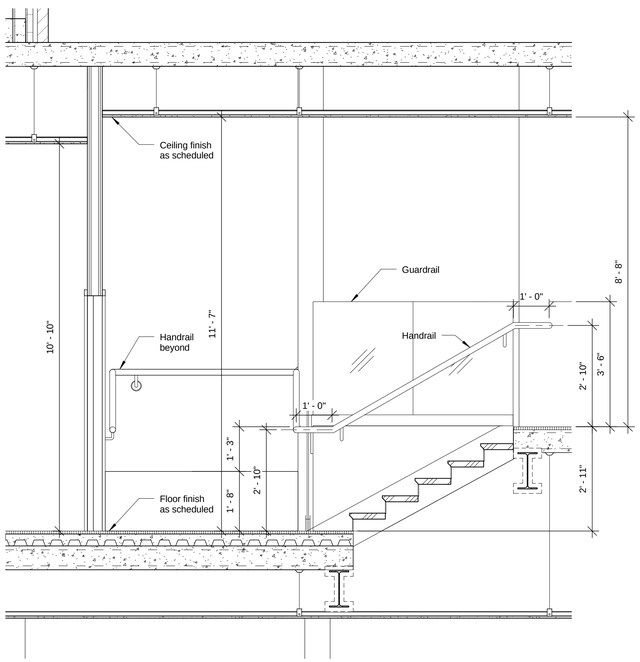
1 Stair Plan @ HD Lobby
1/2" = 1'-0"



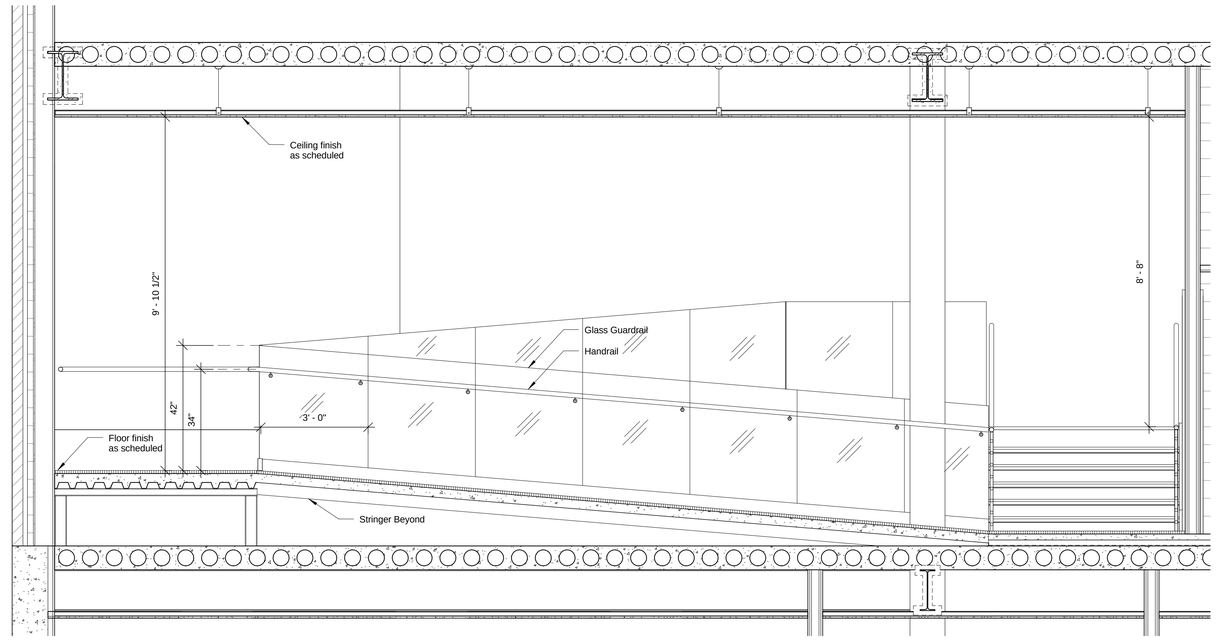
2 Stair Section @ HD Lobby
1/2" = 1'-0"



3 Exit Ramp Plan
1/2" = 1'-0"



4 Stair/Ramp @ 01_Open Office_a
1/2" = 1'-0"



5 Stair/Ramp @ 01_Open Office_b
1/2" = 1'-0"

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling

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ARCHITECT:

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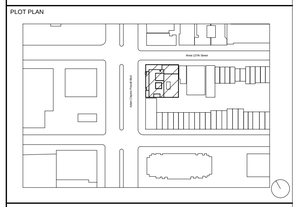
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

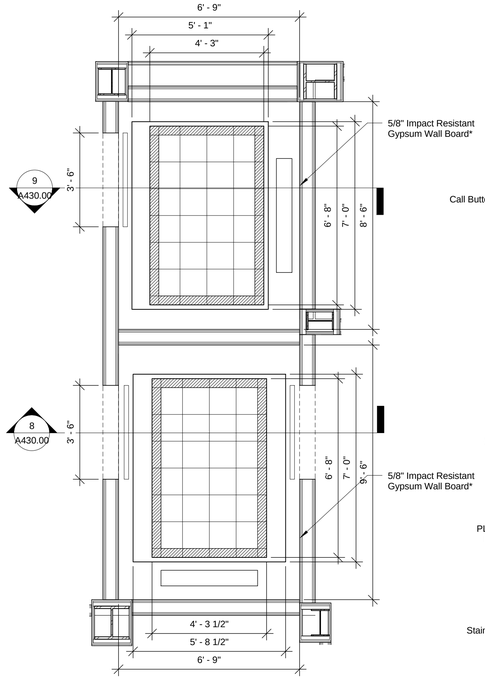
DRAWING TITLE:

STAIR SECTIONS & DETAILS V

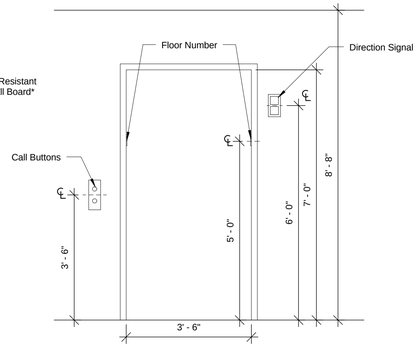
DRAWING #:

A422.00

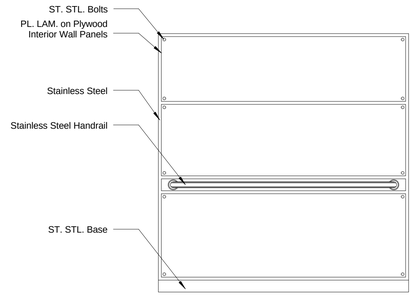
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
1/2" = 1'-0"	SSS	



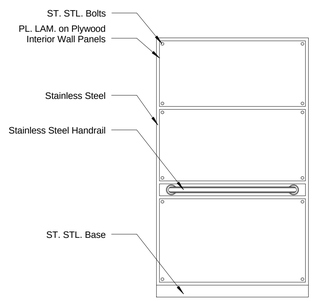
1 ElevatorFloorPlan
3/8" = 1'-0"



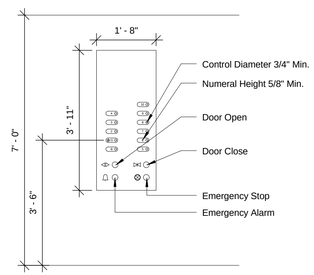
3 Elevation @ Elevator Door
1/2" = 1'-0"



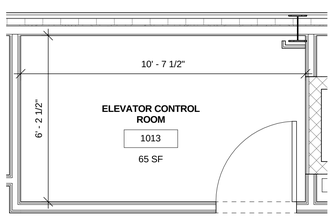
4 Elevator Interior Elevation
1/2" = 1'-0"



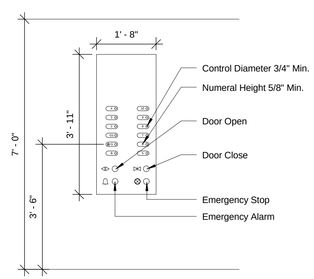
5 Elevator Interior Elevation
1/2" = 1'-0"



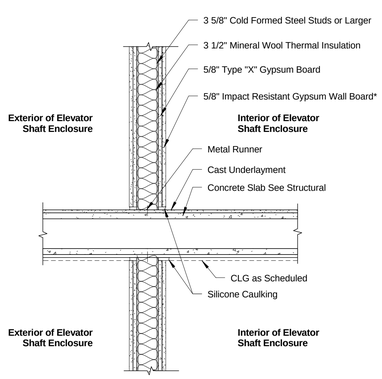
6 Elevator Control Panel - Front Opening
1/2" = 1'-0"



2 Elevator Control Room Plan
3/8" = 1'-0"



7 Elevator Control Panel - Front & Rear Opening
1/2" = 1'-0"



10 Elevator Shaft Enclosure Wall Detail
1" = 1'-0"

Notes:

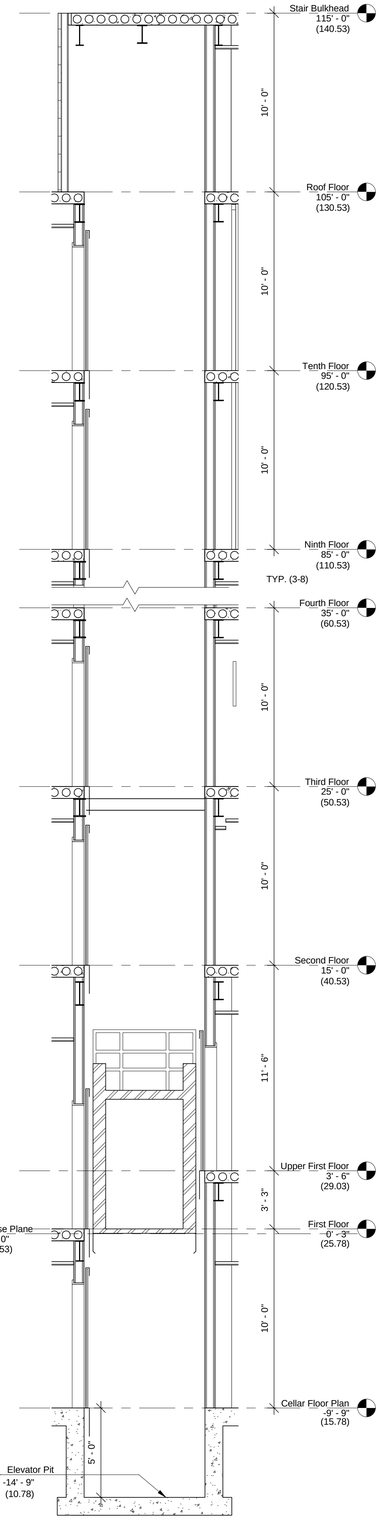
Installation shall comply with the following:

1. Studs shall be minimum 3 1/2 inch (89mm) depth cold-formed steel framing, at least 33 mils thick (20 guage).
2. Vertical studs shall be spaced at a maximum distance of 24 inches (610mm) on center.
3. 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.
4. Wall boards shall be attached with NO. 8 self-drilling bugle-head screws, 12 inches (305mm), on center maximum, with a minimum depth of 5/8 inch (16mm) penetration into the wall cavity.
5. Joints between adjoining sheets of wall board shall be staggered from base layer with face panel layer.

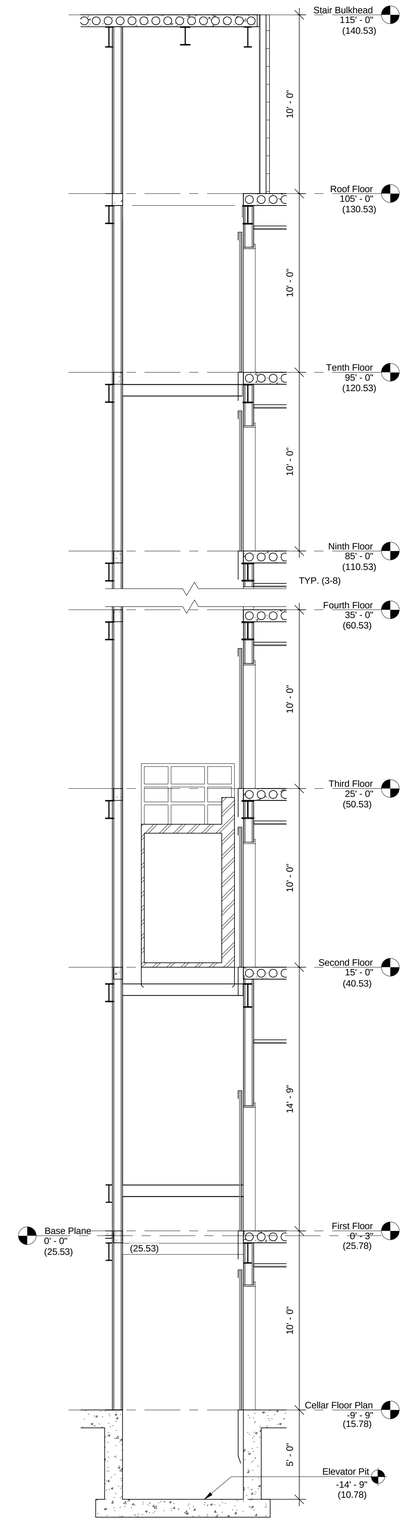
* Impact resistant wall board sheathed on the interior surface of the exit enclosure wall assembly shall be tested by an approved testing agency. The wall board used as the interior face panel shall be listed by an approved agency to ASTM C 1629-06, Standard Classification for Abuse-Resistant Nondecorated Interior Gypsum Panel Products and Fiber-Reinforced Cement Panels, Impact Classification Level 2, and the base layer panel shall be a minimum 5/8 inch (16mm) gypsum wall board.

The Impact resistant wall for stairways and elevator shaft shall comply with DOB memo date 8/13/2008 and RCNY 403-01.

Acceptable products and manufacturers shall be GOLD BOND® BRAND HI-ABUSE XP GYPSUM BOARD or Equal.



8 Elevator Shaft Section_a
1/4" = 1'-0"



9 Elevator Shaft Section_b
1/4" = 1'-0"

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
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ARCHITECT:

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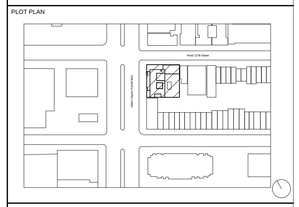
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

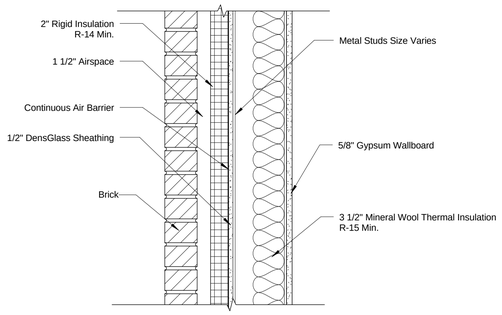
DRAWING TITLE:

ELEVATOR SECTIONS & DETAILS

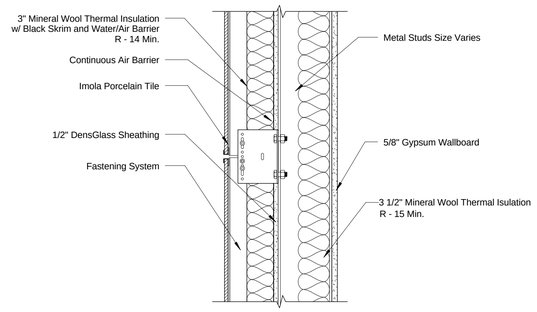
DRAWING #:

A430.00

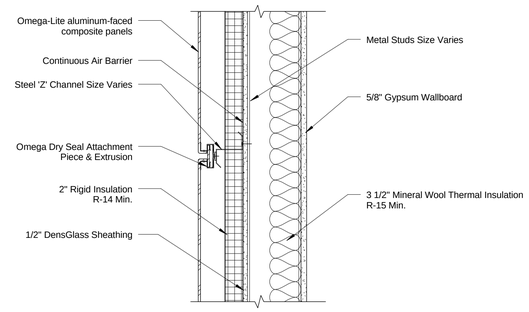
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
As indicated	SSS	



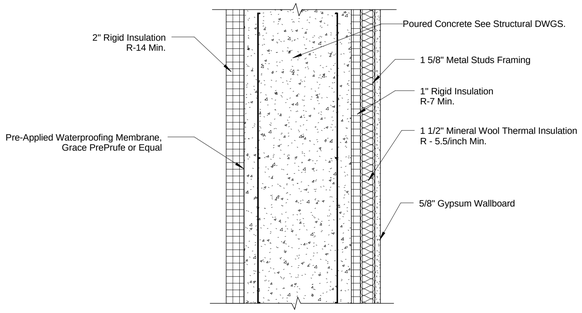
A Cavity Wall w/ Brick Veneer
Scale: 1-1/2"=1'-0"
Fire Rating: min. 1 Hour



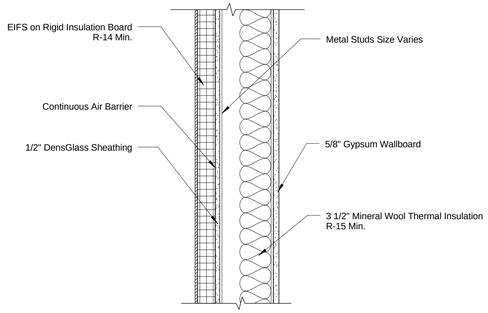
B Cavity Wall w/ Porcelain Tile
Scale: 1-1/2"=1'-0"



C Cavity Wall w/ Metal Panel
Scale: 1-1/2"=1'-0"



D Concrete Wall at Cellar
2 HR Rated UL #411; STC 52 1-1/2"=1'-0"



E EIFS
Scale: 1-1/2"=1'-0"

Note:
Insulation must be protected from air and moisture intrusion, and free of voids, gaps, and compression.
Insulation must acheive RESNET-defined Grade I installation or, Grade II for walls with continuous rigid insulation.

PROJECT:

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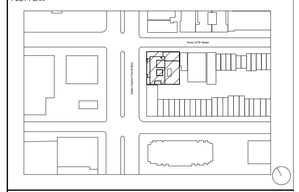
PLOT PLAN:



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

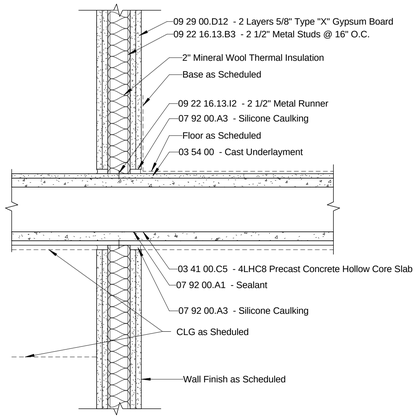
DRAWING TITLE:

EXTERIOR WALL TYPES

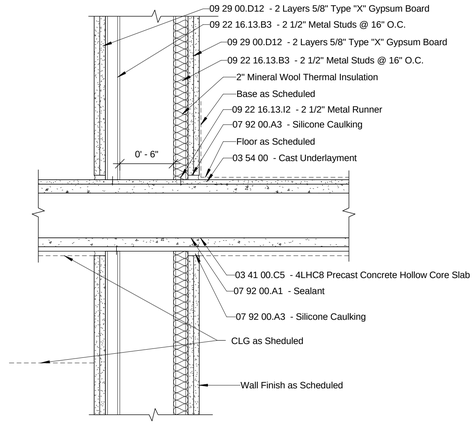
DRAWING #:

A500.00

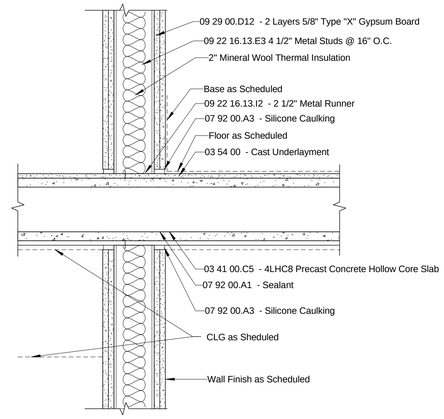
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
1 1/2" = 1'-0"	SSS	



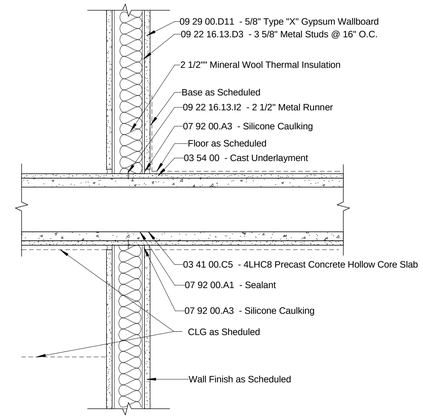
1 Non-Load Bearing Stud Wall
2 HR Rated UL #411; STC 52 1-1/2"=1'-0"



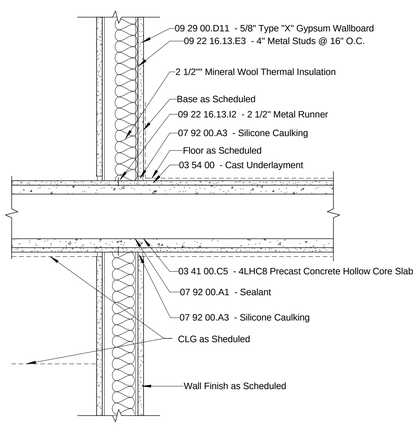
1a Non-Load Bearing Stud Wall
2 HR Rated UL #411; STC 52 1-1/2"=1'-0"



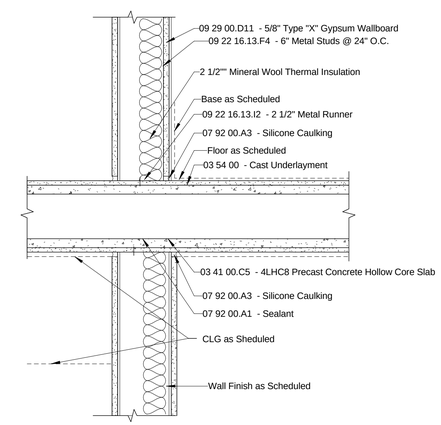
1b Non-Load Bearing Stud Wall
2 HR Rated UL #411; STC 52 1-1/2"=1'-0"



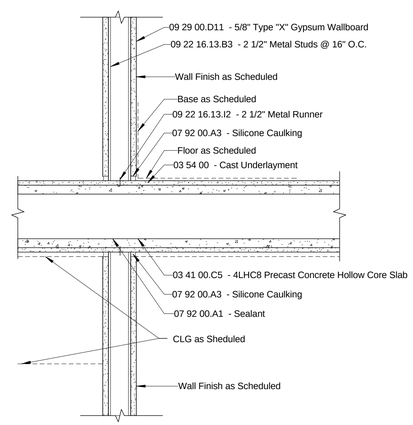
2 Non-Load Bearing Stud Wall
1 HR Rated UL #411; STC 52 1-1/2"=1'-0"



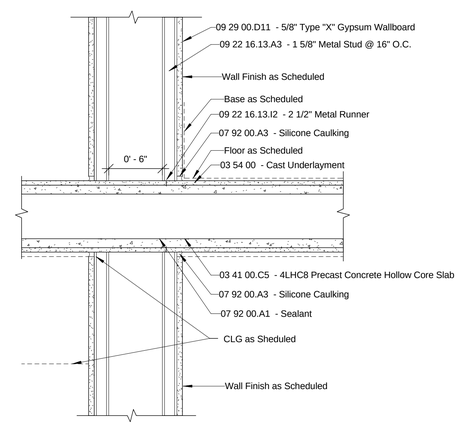
2a Non-Load Bearing Stud Wall
1 HR Rated UL #411; STC 52 1-1/2"=1'-0"



2b Non-Load Bearing 6" Stud Wall
1 HR Rated UL #411; STC 52 1-1/2"=1'-0"



3 Non-Load Bearing Stud Wall
Unrated 1-1/2"=1'-0"



3a Non-Load Bearing Stud Wall
Unrated 1-1/2"=1'-0"

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling

West Side Center for Children and Family Services

ARCHITECT:

THE OFFICE OF
SAMIR S. SHAH, ARCHITECT
URBAN | QUOTIENT
231 Front Street
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Brooklyn, NY 11201
646.837.5499
info@urbanquotient.com

CONSULTANTS:

Structural Engineers:

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15 Reservoir Road
White Plains, NY 10363-2516
Tel: 914.948.8844 Fax: 914.948.8868

MEP Engineers:

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New York, NY 10018
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Cell: 516-319-9360
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Expediting/Code Consulting:

P Wolfe Consultants. Inc.
291 Broadway, Suite 200
New York, NY 10007
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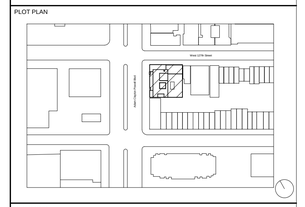
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

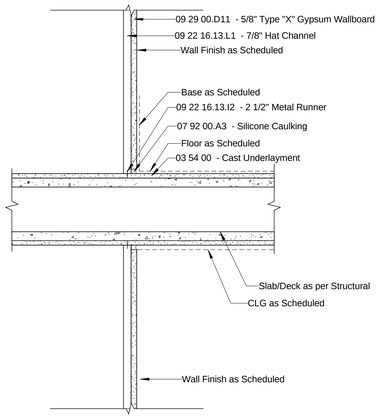
DRAWING TITLE:

INTERIOR WALL TYPES I

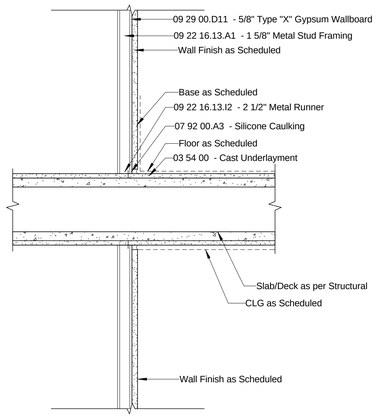
DRAWING #:

A510.00

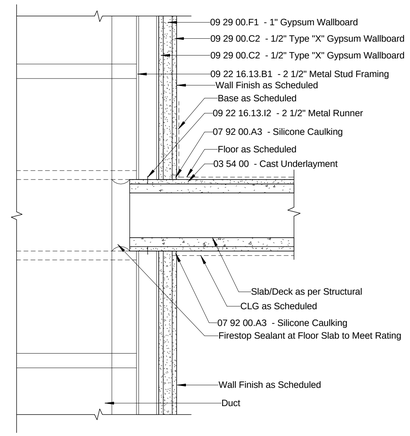
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
1 1/2" = 1'-0"	SSS	



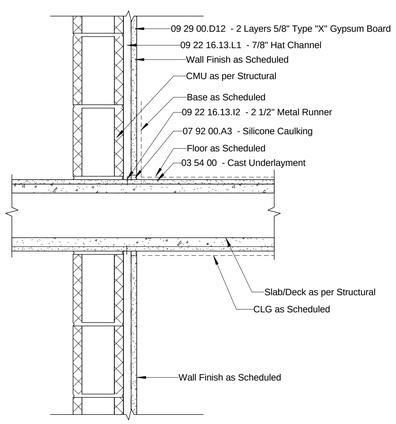
4 Gypsum Wallboard Furring
Unrated 1-1/2"=1'-0"



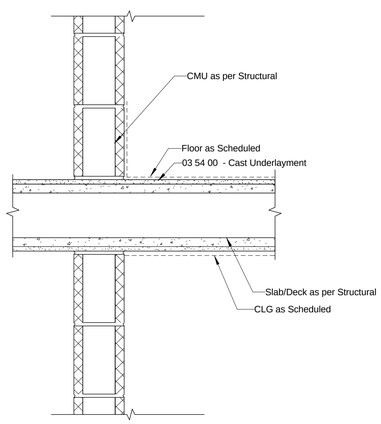
5 Chase Enclosure
1 HR Rated UL #411; STC 52 1-1/2"=1'-0"



6 Duct Enclosure
2 HR Rated BSA CAL# 898-47; STC 52 1-1/2"=1'-0"



7 Non-Load Bearing CMU Wall
2 HR Fire Rating 1-1/2"=1'-0"



7a Non-Load Bearing CMU Wall
2 HR Fire Rating 1-1/2"=1'-0"

PROJECT:

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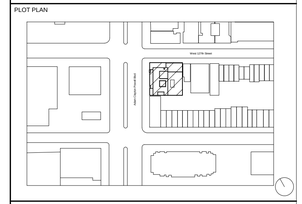
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

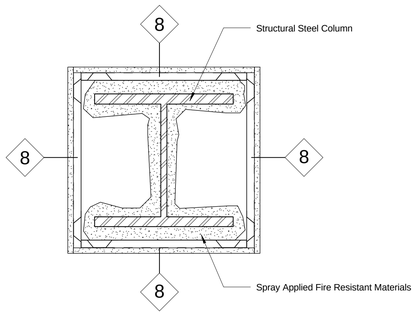
DRAWING TITLE:

INTERIOR WALL TYPES II

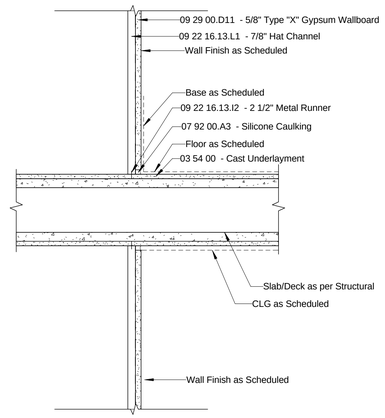
DRAWING #:

A511.00

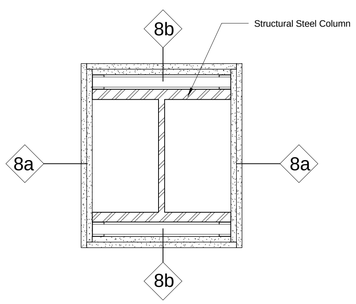
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
1 1/2" = 1'-0"	SSS	



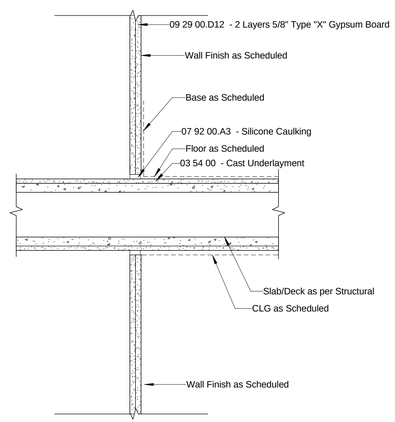
Exterior Column Enclosure
2HR Rated 1-1/2"=1'-0"



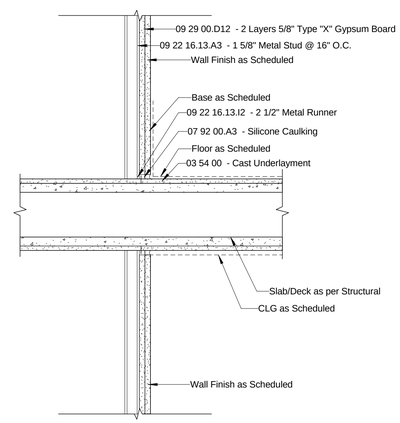
8 Exterior Column Enclosure
Unrated 1-1/2"=1'-0"



Interior Column Enclosure
2HR Rated 1-1/2"=1'-0"



8a Interior Column Enclosure
1-1/2"=1'-0"



8b Interior Column Enclosure
1-1/2"=1'-0"

PROJECT:

A Home for Harlem Dowling

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New York, NY 10027

SPONSOR:

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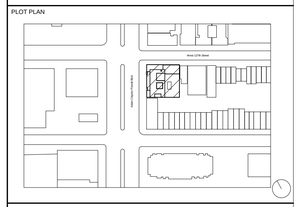
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

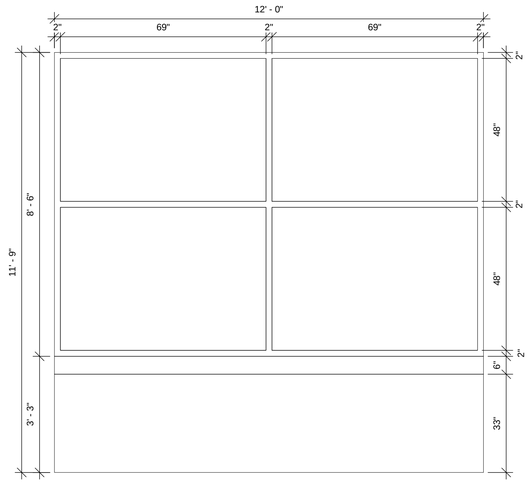
DRAWING TITLE:

INTERIOR WALL TYPES III

DRAWING #:

A512.00

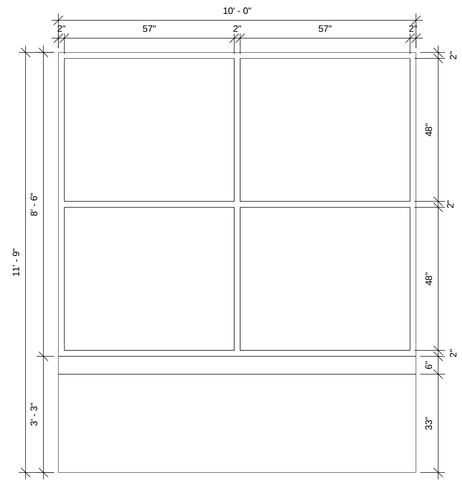
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
1 1/2" = 1'-0"	SSS	



Window Type 'A'

Fixed Window @ First Floor

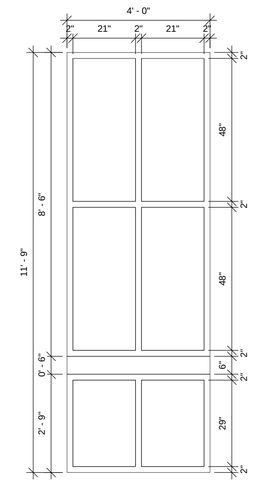
Scale: 1/2"=1'-0"



Window Type 'A1'

Fixed Window @ First Floor

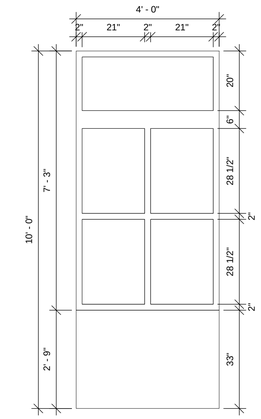
Scale: 1/2"=1'-0"



Window Type 'B'

Fixed Window @ First Floor

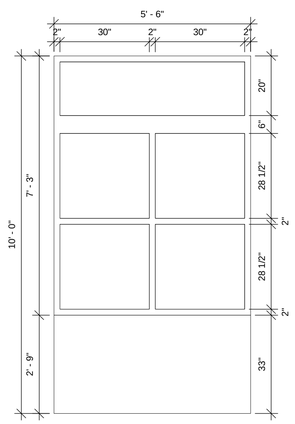
Scale: 1/2"=1'-0"



Window Type 'C'

Fixed Window @ First Floor

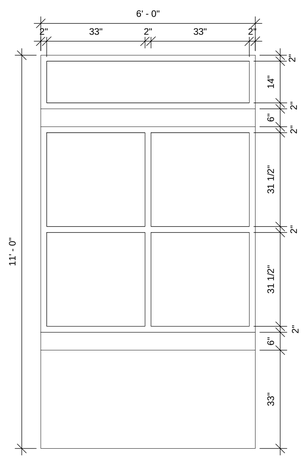
Scale: 1/2"=1'-0"



Window Type 'C1'

Fixed Window @ First Floor

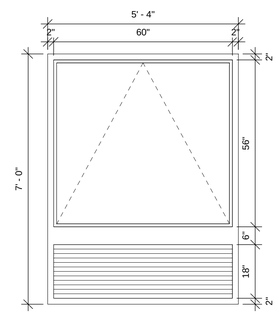
Scale: 1/2"=1'-0"



Window Type 'C2'

Fixed Window @ First Floor

Scale: 1/2"=1'-0"



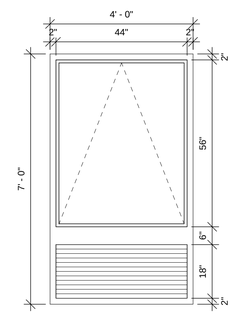
Window Type 'D'

Awning Window w/ PTAC Grill

Scale: 1/2"=1'-0"

Ventilation Area: 23.33 sf

Light Area: 23.33 sf



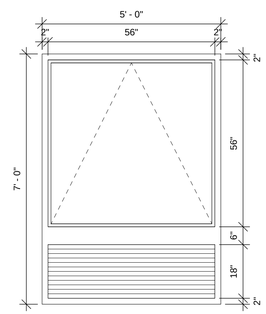
Window Type 'E'

Awning Window w/ Fixed Insulated Panel

Scale: 1/2"=1'-0"

Ventilation Area: 17.11 sf

Light Area: 17.11 sf



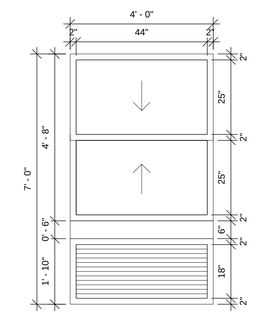
Window Type 'E1'

Awning Window w/ Fixed Insulated Panel

Scale: 1/2"=1'-0"

Ventilation Area: 21.78 sf

Light Area: 21.78 sf



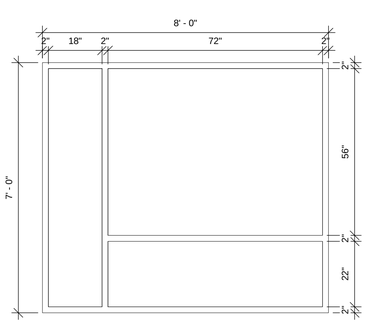
Window Type 'F'

Double Hung Window

Scale: 1/2"=1'-0"

Ventilation Area:15.88 sf

Light Area: 7.94 sf



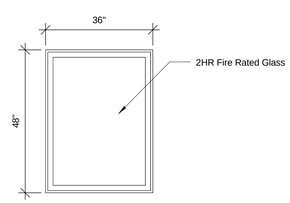
Window Type 'G'

Fixed Window @ 9th & 10th Floors

Scale: 1/2"=1'-0"

Ventilation Area: 0 sf

Light Area: 48.75 sf



Window Type 'H'

Fixed Window @ 2nd Floor Lounge

Scale: 1/2"=1'-0"

Ventilation Area: 0 sf

Light Area: 9.24 sf

Notes:
1. Air leakage: Provide flashing, window dams, expandable foam sealant, and caulking at rough opening/ window frame joints to create a continuous air barrier with surrounding wall system.
2. Air leakage: Provide flashing, expandable foam sealant, and caulking at rough opening/skylight frame joints to create a continuous air barrier with surrounding roof system.
3. Fenestration products rated in accordance with NFRC.

Window Schedule

Mark	Count	Operation	Size		Glazing	Frame Material	U-Factor	SHGC	OITC	Description	Air Leakage Limit
			Width	Height							
A	2	Fixed	12' - 0"	11' - 9"	Low E Double Glazing w/ Argon Fill	ALUM	0.45	0.3	Min. 24	Fixed Window @ First Floor	0.3 cfm/SF Max
A1	1	Fixed	10' - 0"	11' - 9"	Low E Double Glazing w/ Argon Fill	ALUM	0.45	0.3	Min. 24	Fixed Window @ First Floor	0.3 cfm/SF Max
B	4	Fixed	4' - 0"	11' - 9"	Low E Double Glazing w/ Argon Fill	ALUM	0.45	0.3	Min. 24	Fixed Window @ First Floor	0.3 cfm/SF Max
C	3	Fixed	5' - 6"	10' - 0"	Low E Double Glazing w/ Argon Fill	ALUM	0.45	0.3	Min. 24	Fixed Window @ First Floor	0.3 cfm/SF Max
C1	2	Fixed	4' - 0"	10' - 0"	Low E Double Glazing w/ Argon Fill	ALUM	0.45	0.3	Min. 24	Fixed Window @ First Floor	0.3 cfm/SF Max
C2	1	Fixed	6' - 0"	11' - 0"	Low E Double Glazing w/ Argon Fill	ALUM	0.45	0.3	Min. 24	Fixed Window @ First Floor	0.3 cfm/SF Max
D	91	Awning	5' - 4"	7' - 0"	Low E Double Glazing w/ Argon Fill	ALUM	0.45	0.3	Min. 24	Apartment Unit	0.3 cfm/SF Max
E	30	Awning	4' - 0"	7' - 0"	Low E Double Glazing w/ Argon Fill	ALUM	0.45	0.3	Min. 24	Apartment Unit	0.3 cfm/SF Max
E1	14	Awning	5' - 0"	7' - 0"	Low E Double Glazing w/ Argon Fill	ALUM	0.45	0.3	Min. 24	Apartment Unit	0.3 cfm/SF Max
F	104	Double Hung	4' - 0"	7' - 0"	Low E Double Glazing w/ Argon Fill	ALUM	0.45	0.3	Min. 24	Apartment Unit	0.3 cfm/SF Max
G	5	Fixed	8' - 0"	7' - 0"	Low E Double Glazing w/ Argon Fill	ALUM	0.45	0.3	Min. 24	Apartment Unit 9th & 10th Floors	0.3 cfm/SF Max
H	3	Fixed	3' - 0"	4' - 0"	Low E Double Glazing w/ Argon Fill	ALUM	0.45	0.3	Min. 24	Fixed Window @ Second Floor Lounge	0.3 cfm/SF Max

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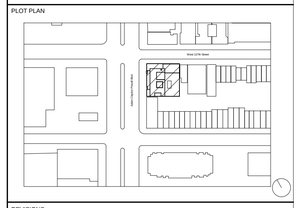
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

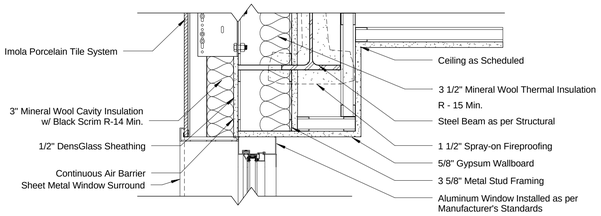
DRAWING TITLE:

WINDOW SCHEDULE & DETAILS

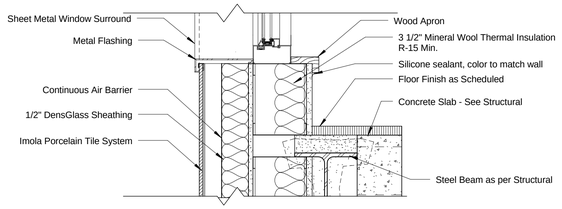
DRAWING #:

A520.00

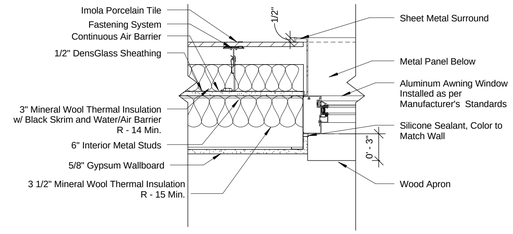
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE: 1/2" = 1'-0"	CHECKED BY: SSS	SHEET:



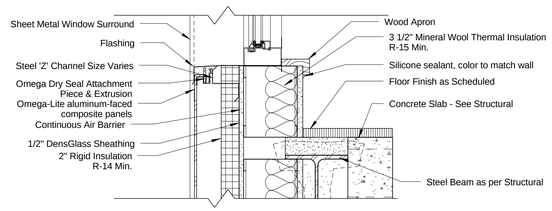
1 Fixed Window Head Detail @ Porcelain Tile
1 1/2"=1'-0"



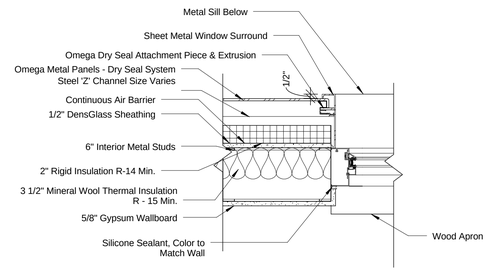
2 Fixed Window Sill Detail @ Porcelain Tile
1 1/2"=1'-0"



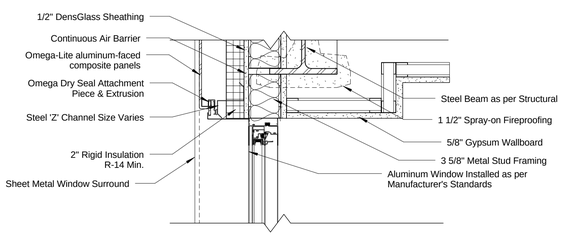
3 Fixed Window Jamb Detail @ Porcelain Tile
1 1/2"=1'-0"



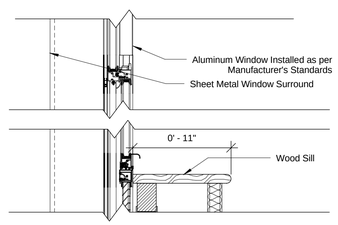
4 Fixed Window Sill Detail @ Metal Panel
1 1/2"=1'-0"



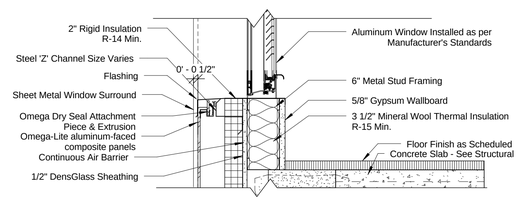
5 Fixed Window Jamb Detail @ Metal Panel
1 1/2"=1'-0"



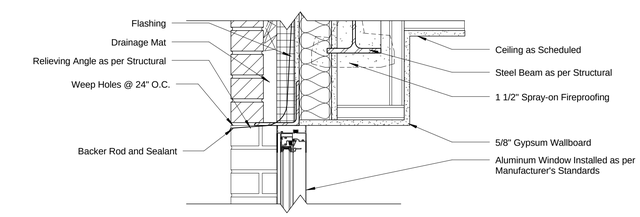
6 Double Hung Window Head Detail @ Metal Panel
1 1/2"=1'-0"



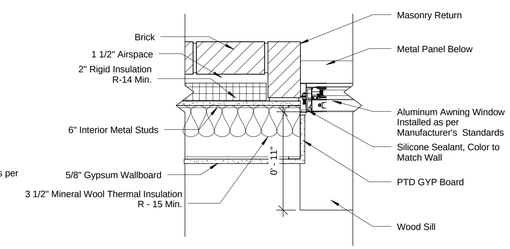
7 Double Hung Window Meeting Rail Detail
1 1/2"=1'-0"



8 Double Hung Window Sill Detail @ Metal Panel
1 1/2"=1'-0"



9 Double Hung Window Head Detail @ Brick
1 1/2"=1'-0"



10 Double Hing Window Jamb Detail @ Brick
1 1/2"=1'-0"

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling

West Side Center for Children and Family Services

ARCHITECT:

THE OFFICE OF
SAMIR S. SHAH, ARCHITECT
URBAN | QUOTIENT
231 Front Street
Suite 211
Brooklyn, NY 11201
646.837.5499
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CONSULTANTS:

Structural Engineers:

De Nardis Engineering, LLC
15 Reservoir Road
White Plains, NY 10363-2516
Tel: 914.948.8844 Fax: 914.948.8868

MEP Engineers:

Ettinger Engineering Associates
505 Eighth Avenue, 24th Floor
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Expediting/Code Consulting:

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291 Broadway, Suite 200
New York, NY 10007
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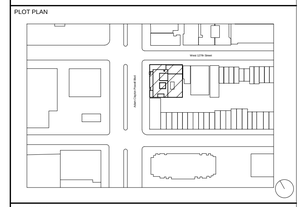
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

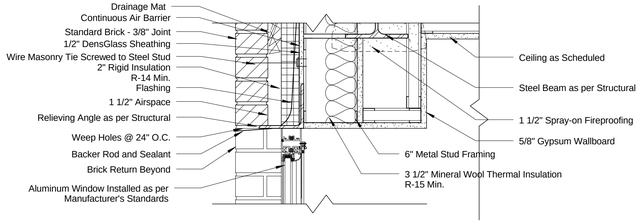
DRAWING TITLE:

WINDOW DETAILS I

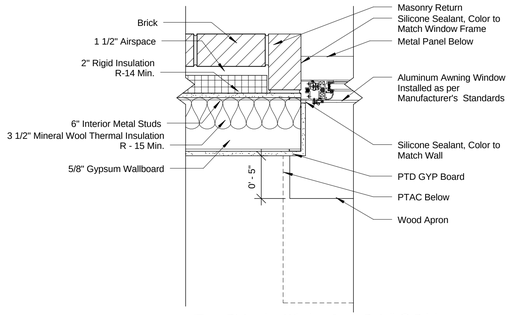
DRAWING #:

A530.00

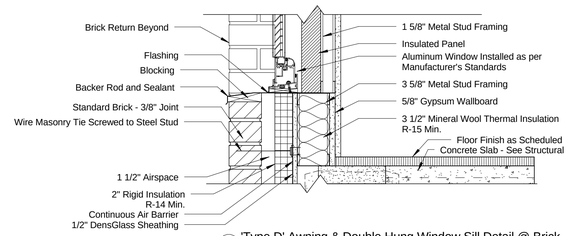
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
1 1/2" = 1'-0"	SSS	



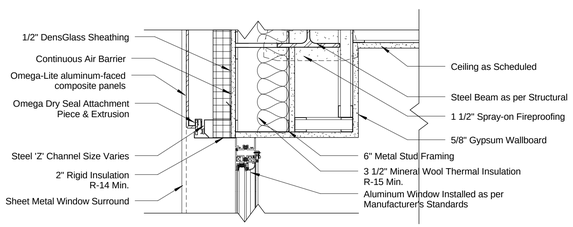
1 'Type D' Awning Window Head Detail @ Brick
1 1/2"=1'-0"



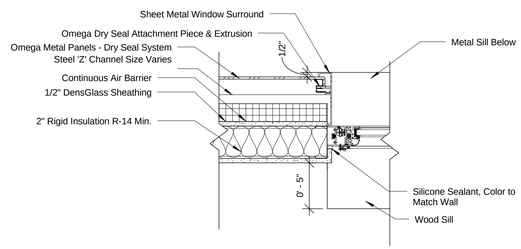
2 'Type D' Awning Window Jamb Detail @ Brick
1 1/2"=1'-0"



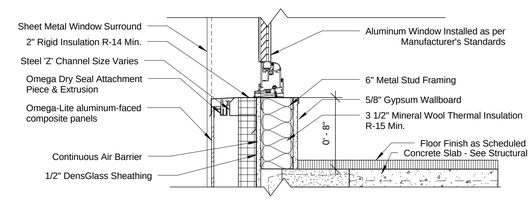
3 'Type D' Awning & Double Hung Window Sill Detail @ Brick
1 1/2"=1'-0"



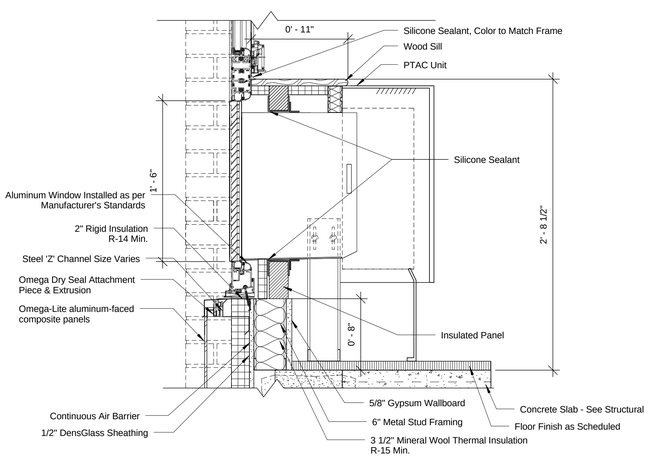
4 'Type D' Awning Window Head Detail @ Metal Panel
1 1/2"=1'-0"



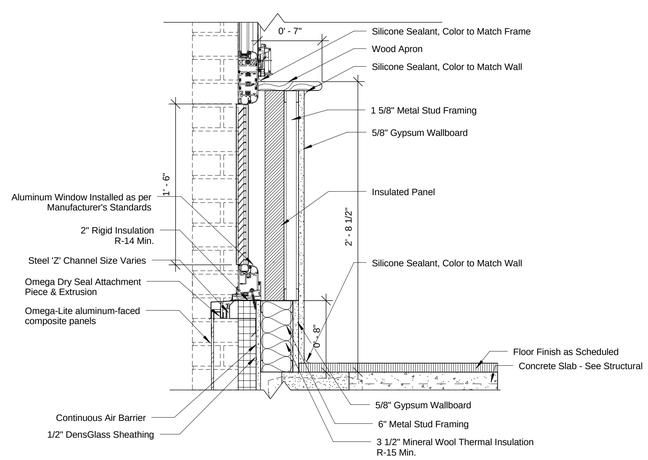
5 'Type D' Awning Window Jamb Detail @ Metal Panel
1 1/2"=1'-0"



6 'Type D' Awning Window Sill Detail @ Metal Panel
1 1/2"=1'-0"



7 'Type D' Awning Window Sill Detail @ PTAC Metal Panel
1 1/2"=1'-0"



8 Sill Detail @ Blank Louver/Metal Panel
1 1/2"=1'-0"

PROJECT:

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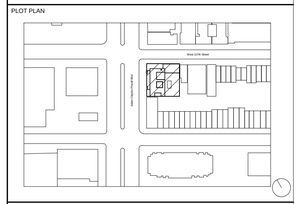
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

WINDOW DETAILS II

DRAWING #:

A531.00

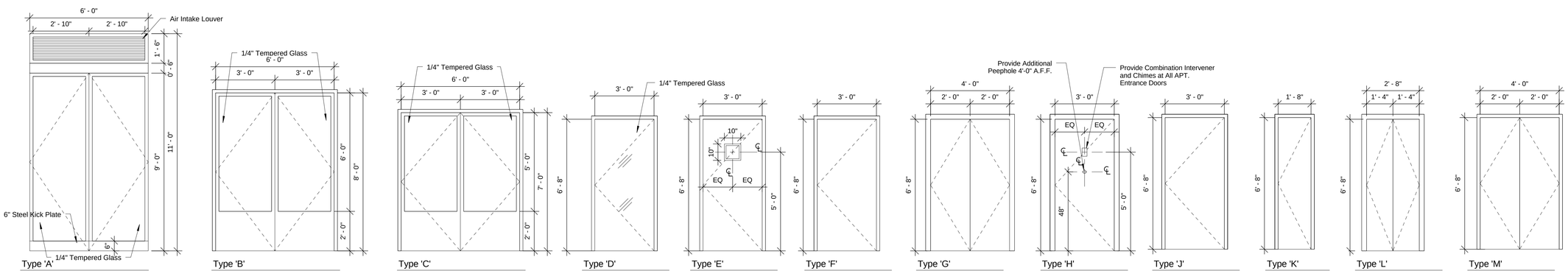
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE: 1 1/2" = 1'-0"	CHECKED BY: SSS	SHEET:

Door Schedule

NO.	Door Type	Location	Rm. No.	Door W	Door H	Door T	Door Material	STC Rating	Frame Material	Frame Head	Frame Jamb	HRDWR Group	Saddle	Fire Rating	FPSC	Comments
001	D	VISITING ROOM 1	001	3' - 0"	6' - 8"	0' - 2"	SCW		WD			P				
002	D	VISITING ROOM 2	002	3' - 0"	6' - 8"	0' - 2"	SCW		WD			P				
003A	E	OPEN OFFICE	003	3' - 0"	6' - 8"	0' - 2"	HM		HM			M		1 1/2	Y	
003B	E	OPEN OFFICE	003	3' - 0"	6' - 8"	0' - 2"	HM		HM			M		1 1/2	Y	
004	D	OFFICE	004	3' - 0"	6' - 8"	0' - 2"	SCW		WD			P				
005	D	OFFICE	005	3' - 0"	6' - 8"	0' - 2"	SCW		WD			P				
006	D	OFFICE	006	3' - 0"	6' - 8"	0' - 2"	SCW		WD			P				
007	D	OFFICE	007	3' - 0"	6' - 8"	0' - 2"	SCW		WD			P				
008	D	OFFICE	008	3' - 0"	6' - 8"	0' - 2"	SCW		WD			P				
009	D	OFFICE	009	3' - 0"	6' - 8"	0' - 2"	SCW		WD			P				
010	D	OFFICE	010	3' - 0"	6' - 8"	0' - 2"	SCW		WD			P				
011	J	MEN'S W/C	011	3' - 0"	6' - 8"	0' - 2"	SCW		WD			F				
012	J	WOMEN'S W/C	012	3' - 0"	6' - 8"	0' - 2"	SCW		WD			F				
013	D	OFFICE	013	3' - 0"	6' - 8"	0' - 2"	SCW		WD			P				
014	D	OFFICE	014	3' - 0"	6' - 8"	0' - 2"	SCW		WD			P				
015	D	MEETING ROOM	015	3' - 0"	6' - 8"	0' - 2"	SCW	35	WD			P				
016A	J	WOMEN'S BATHROOM	016	3' - 0"	6' - 8"	0' - 2"	SCW		WD			F				
017A	J	MEN'S BATHROOM	017	3' - 0"	6' - 8"	0' - 2"	SCW		WD			F				
018	D	MEETING ROOM	018	3' - 0"	6' - 8"	0' - 2"	SCW	35	WD			P				
019	D	MEETING ROOM	019	3' - 0"	6' - 8"	0' - 2"	SCW	35	WD			P				
020	D	OFFICE	020	3' - 0"	6' - 8"	0' - 2"	SCW		WD			P				
021	D	OFFICE	021	3' - 0"	6' - 8"	0' - 2"	SCW		WD			P				
022	D	OFFICE	022	3' - 0"	6' - 8"	0' - 2"	SCW		WD			P				
023	D	SMALL CONFERENCE ROOM	023	3' - 0"	6' - 8"	0' - 2"	SCW		WD			P				
024	F	PUBLIC BATHROOM	103	3' - 0"	6' - 8"	0' - 2"	HM		HM			F		1 1/2	Y	
026	J	OFFICE SUPPLY ROOM	026	3' - 0"	6' - 8"	0' - 2"	SCW		WD			S				
027	D	OFFICE	027	3' - 0"	6' - 8"	0' - 2"	SCW		WD			P				
029A	E	OPEN OFFICE	029	3' - 0"	6' - 8"	0' - 2"	HM		HM			M		1 1/2	Y	
029B	E	OPEN OFFICE	029	3' - 0"	6' - 8"	0' - 2"	HM		HM			M		1 1/2	Y	
030	E	STAIR 'A'	031	3' - 0"	6' - 8"	0' - 2"	HM		HM			C		1 1/2	Y	
031	E	STAIR 'B'	032	3' - 0"	6' - 8"	0' - 2"	HM		HM			C		1 1/2	Y	
040	G	TRASH COMPACTOR ROOM	040	4' - 0"	6' - 8"	0' - 2"	HM	35	HM			H		1 1/2	Y	
041A	F	ELECTRICAL	041	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			H		1 1/2	Y	
041B	F	ELECTRICAL	041	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			H		1 1/2	Y	
042	F	WATER	042	3' - 0"	6' - 8"	0' - 2"	HM		HM			H		1 1/2	Y	
043	F	FIRE PUMP	043	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			H		1 1/2	Y	
044	F	RECYCLE ROOM	044	3' - 0"	6' - 8"	0' - 2"	HM		HM			H		1 1/2	Y	
045	F	GAS ROOM	045	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			H		1 1/2	Y	
046	F	TELE.	046	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			H		1 1/2	Y	
048	E	BICYCLE STORAGE	048	3' - 0"	6' - 8"	0' - 2"	HM		HM			H		1 1/2	Y	
049	E	BICYCLE STORAGE	049	3' - 0"	6' - 8"	0' - 2"	HM		HM			H		1 1/2	Y	
050	F	TRASH ROOM	050	3' - 0"	6' - 8"	0' - 2"	HM		HM			H		1 1/2	Y	
100A	C	VESTIBULE	107	6' - 0"	7' - 0"	0' - 2"	ALUM		ALUM			L		1 1/2	Y	
100B	C	VESTIBULE	106	6' - 0"	7' - 0"	0' - 2"	ALUM		ALUM			L		1 1/2	Y	
100C	F	LOBBY/RECEPTION	100	3' - 0"	6' - 8"	0' - 2"	HM		HM			M		1 1/2	Y	
101	E	GROUP ROOM	101	3' - 0"	6' - 8"	0' - 2"	HM		HM			D		1 1/2	Y	

Door Schedule

NO.	Door Type	Location	Rm. No.	Door W	Door H	Door T	Door Material	STC Rating	Frame Material	Frame Head	Frame Jamb	HRDWR Group	Saddle	Fire Rating	FPSC	Comments
102	E	CORRIDOR	104	3' - 0"	6' - 8"	0' - 2"	HM		HM			D		1 1/2	Y	
105A	P1	VESTIBULE	105	3' - 0"	6' - 8"	0' - 2"	HM		HM			L				2HR Fire Rated Glass & Frame
105B	P1	VESTIBULE	105	3' - 0"	6' - 8"	0' - 2"	HM		HM			L				2HR Fire Rated Glass & Frame
107	A	VESTIBULE	107	6' - 0"	9' - 0"	0' - 2"	ALUM		ALUM			L		1 1/2	Y	Main Entrance. Door/Window Assembly
110	P1	LOBBY/RECEPTION	100	3' - 0"	6' - 8"	0' - 2"	HM		HM			D				2HR Fire Rated Glass & Frame
111	P1	EXAM ROOM	111	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			D				2HR Fire Rated Glass & Frame
112	P1	EXAM ROOM	112	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			D				2HR Fire Rated Glass & Frame
113	P	OFFICE	113	3' - 0"	6' - 8"	0' - 2"	HM		HM			D				
114A	P	OFFICE	114	3' - 0"	6' - 8"	0' - 2"	HM		HM			D				
114B	K	CL.	114	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
115A	P	OFFICE	115	3' - 0"	6' - 8"	0' - 2"	HM		HM			D				
115B	K	CL.	115	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
120A	C	VESTIBULE	106	6' - 0"	7' - 0"	0' - 2"	ALUM		ALUM			L		1 1/2	Y	
120B	E	OPEN OFFICE	120	3' - 0"	6' - 8"	0' - 2"	HM		HM			M		1 1/2	Y	
120C	M	CL.	120	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
120D	M	CL.	120	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
120E	M	CL.	120	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
123A	J	WOMEN'S BATHROOM	123	3' - 0"	6' - 8"	0' - 2"	SCW		WD			F				
124A	J	MEN'S BATHROOM	124	3' - 0"	6' - 8"	0' - 2"	SCW		WD			F				
125	J	TEL/SERVER CLOSET	125	3' - 0"	6' - 8"	0' - 2"	SCW	35	WD			H				
126	P	SEMINAR ROOM	126	3' - 0"	6' - 8"	0' - 2"	HM		HM			P				
128A	D	LUNCH ROOM	128	3' - 1"	8' - 5"	0' - 2"	ALUM		ALUM			T				
128B	D	LUNCH ROOM	128	3' - 1 1/2"	8' - 5"	0' - 2"	ALUM		ALUM			T				
128C	L	LUNCH ROOM	128	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
130	P	MEETING ROOM	130	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			P				
131A	N	LARGE CONFERENCE ROOM	131	4' - 6"	6' - 8"	0' - 2"	ALUM		ALUM			D		1 1/2	Y	
131B	L	CL.	131	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
131C	L	LARGE CONFERENCE ROOM	131	2' - 8"	6' - 8"	0' - 2"	HCW		WD			S				
140A	E	STAIR 'A'	140	3' - 0"	6' - 8"	0' - 2"	HM		HM			C		1 1/2	Y	
140B	E	STAIR 'A'	140	3' - 0"	6' - 8"	0' - 2"	HM		HM			C		1 1/2	Y	
141	F	EXIT PASSAGE	140	3' - 0"	6' - 8"	0' - 2"	HM		HM			I		1 1/2	Y	
150A	B	VESTIBULE	150	6' - 0"	8' - 0"	0' - 2"	ALUM		ALUM			L		1 1/2	Y	
150B	C	VESTIBULE	150	6' - 0"	7' - 0"	0' - 2"	ALUM		ALUM			L		1 1/2	Y	
151A	E	STAIR 'B'	141	3' - 0"	6' - 8"	0' - 2"	HM		HM			C		1 1/2	Y	
151B	E	SHARED LOBBY	152	3' - 0"	6' - 8"	0' - 2"	HM		HM			C		1 1/2	Y	
151C	P1	SHARED LOBBY	152	3' - 0"	6' - 8"	0' - 2"	HM		HM			M				



Type 'A'
Community Service Main Entrance Door
U Factor: 0.450
Air Leakage Limit: 1.00 cfm/SF @1.57 psf Max.

Type 'B'
Residential Lobby Main Entrance Door
U Factor: 0.450
Air Leakage Limit: 1.00 cfm/SF @1.57 psf Max.

Type 'C'
Vestibule Door

Type 'D'
Glass Door

Type 'E'
Flush Hollow Metal Door w/ Vision Panel

Type 'F'
Flush Hollow Metal Door
U Factor: 0.700
Air Leakage Limit: 0.5 cfm/SF Max.

Type 'G'
Flush Hollow Metal Doors

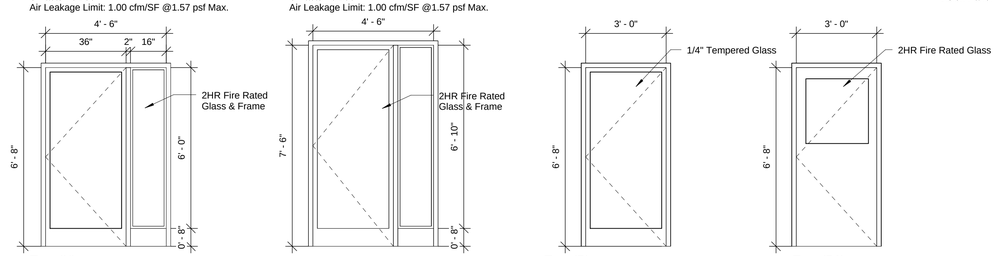
Type 'H'
Flush Hollow Metal Apartment Entrance Door
STC Rating 35

Type 'J'
Solid Core Wood Door

Type 'K'
Masonite Faced Hollow Core Door

Type 'L'
Masonite Faced Hollow Core Door

Type 'M'
Masonite Faced Hollow Core Doors



Type 'N'
Large Conference Entrance Door

Type 'O'
Hollow Metal Entry Door (50% Glazed)
U Factor: 0.450
Air Leakage Limit: 1.00 cfm/SF @1.57 psf Max.

Type 'P'
Hollow Metal Interior Door

Type 'P1'
Hollow Metal Entry Door (<50% Glazed)
U Factor: 0.700
Air Leakage Limit: 0.5 cfm/SF Max.

Notes:
1. Air leakage: Provide flashing, expandable foam sealant, and caulking at rough opening/door frame joints to create a continuous air barrier with surrounding wall system.
2. Install weather-stripping on all exterior, apartment entry, stair, cellar and mechanical room doors, and doors separating unconditioned spaces.
3. Door strike holes should be foamed/sealed before door frame installation.
4. Caulk perimeter of interior apartment door frames (eg: bedrooms, bathrooms) to drywall on both sides.

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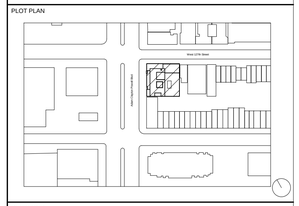
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

DOOR SCHEDULE I

DRAWING #:

A540.00

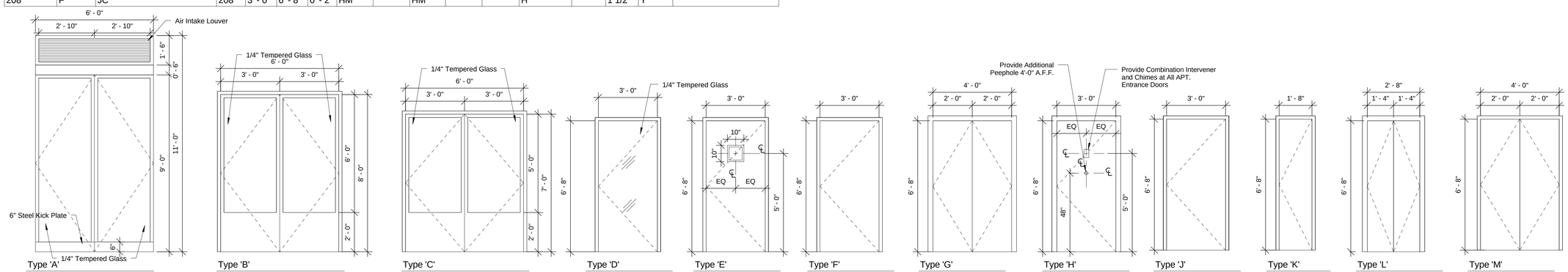
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
3/8" = 1'-0"	SSS	

Door Schedule

NO.	Door Type	Location	Rm. No.	Door W	Door H	Door T	Door Material	STC Rating	Frame Material	Frame Head	Frame Jamb	HRDWR Group	Saddle	Fire Rating	FPSC	Comments
201A	P1	RESIDENT'S LOUNGE	201	3' - 0"	6' - 8"	0' - 2"	HM		HM			D				
201B	P1	RESIDENT'S LOUNGE	201	3' - 0"	6' - 8"	0' - 2"	HM		HM			E				
201C	F	PUBLIC TOILET	214	3' - 0"	6' - 8"	0' - 2"	HM		HM			F		1 1/2	Y	
202A	H	APARTMENT UNIT	202	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
202B	J	BATHROOM	202	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
202C	J	BEDROOM	202	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
202D	J	BEDROOM	202	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
202E	M	CL.	202	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
202F	M	CL.	202	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
202G	K	L.C.	202	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
202H	L	C.C.	202	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
203A	H	APARTMENT UNIT	203	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
203B	J	BATHROOM	203	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
203C	J	BEDROOM	203	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
203D	J	BEDROOM	203	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
203E	M	CL.	203	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
203F	M	CL.	203	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
203G	K	L.C.	203	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
203H	M	C.C.	203	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
204A	H	APARTMENT UNIT	204	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
204B	J	BATHROOM	204	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
204C	J	BEDROOM	204	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
204D	J	BEDROOM	204	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
204E	M	CL.	204	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
204F	M	CL.	204	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
204G	K	L.C.	204	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
204H	M	C.C.	204	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
204J	K	CL.	204	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
205A	H	APARTMENT UNIT	205	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
205B	J	BATHROOM	205	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
205C	J	BEDROOM	205	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
205D	J	BEDROOM	205	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
205E	M	CL.	205	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
205F	M	CL.	205	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
205G	K	L.C.	205	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
205H	M	C.C.	205	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
206A	H	APARTMENT UNIT	206	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
206B	J	BATHROOM	206	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
206C	J	BEDROOM	206	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
206D	J	BEDROOM	206	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
206E	M	CL.	206	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
206F	M	CL.	206	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
206G	K	L.C.	206	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
206H	M	CL.	206	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
206K	M	C.C.	206	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
206L	K	CL.	206	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
207A	P1	LAUNDRY / LOUNGE	207	3' - 0"	6' - 8"	0' - 2"						D				2HR Fire Rated Glass & Frame
207B	O	LAUNDRY / LOUNGE	207	4' - 6"	7' - 6"	0' - 2"	ALUM		ALUM			E		1 1/2	Y	
207C	M	CL.	213	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
208	F	JC	208	3' - 0"	6' - 8"	0' - 2"	HM		HM			H		1 1/2	Y	

Door Schedule

NO.	Door Type	Location	Rm. No.	Door W	Door H	Door T	Door Material	STC Rating	Frame Material	Frame Head	Frame Jamb	HRDWR Group	Saddle	Fire Rating	FPSC	Comments
209	F	REFUSE ROOM	209	3' - 0"	6' - 8"	0' - 2"	HM		HM			G		1 1/2	Y	
210	F	CORRIDOR	210	3' - 0"	6' - 8"	0' - 2"	HM		HM			E		1 1/2	Y	
211	E	STAIR 'A'	211	3' - 0"	6' - 8"	0' - 2"	HM		HM			C		1 1/2	Y	
212	E	STAIR 'B'	212	3' - 0"	6' - 8"	0' - 2"	HM		HM			C		1 1/2	Y	
301A	H	APARTMENT UNIT	301	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
301B	J	BATHROOM	301	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
301C	J	BEDROOM	301	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
301D	J	BEDROOM	301	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
301E	M	CL.	301	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
301F	M	CL.	301	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
301G	K	L.C.	301	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
301H	L	C.C.	301	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
302A	H	APARTMENT UNIT	302	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
302B	J	BATHROOM	302	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
302C	J	BEDROOM	302	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
302D	J	BEDROOM	302	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
302E	M	CL.	302	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
302F	M	CL.	302	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
302G	K	L.C.	302	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
302H	L	C.C.	302	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
303A	H	APARTMENT UNIT	303	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
303B	J	BATHROOM	303	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
303C	J	BEDROOM	303	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
303D	J	BEDROOM	303	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
303E	M	CL.	303	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
303F	M	CL.	303	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
303G	K	L.C.	303	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
303H	M	C.C.	303	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
304A	H	APARTMENT UNIT	304	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
304B	J	BATHROOM	304	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
304C	J	BEDROOM	304	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
304D	J	BEDROOM	304	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
304E	M	CL.	304	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
304F	M	CL.	304	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
304G	K	L.C.	304	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
304H	M	C.C.	304	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
304J	K	CL.	304	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
305A	H	APARTMENT UNIT	305	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
305B	J	BATHROOM	305	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
305C	J	BEDROOM	305	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
305D	J	BEDROOM	305	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
305E	M	CL.	305	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
305F	M	CL.	305	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
305G	K	L.C.	305	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
305H	M	C.C.	305	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				



Type 'A'
Community Service Main Entrance Door
U Factor: 0.450
Air Leakage Limit: 1.00 cfm/SF @1.57 psf Max.

Type 'B'
Residential Lobby Main Entrance Door
U Factor: 0.450
Air Leakage Limit: 1.00 cfm/SF @1.57 psf Max.

Type 'C'
Vestibule Door

Type 'D'
Glass Door

Type 'E'
Flush Hollow Metal Door w/ Vision Panel

Type 'F'
Flush Hollow Metal Door
U Factor: 0.700
Air Leakage Limit: 0.5 cfm/SF Max.

Type 'G'
Flush Hollow Metal Doors

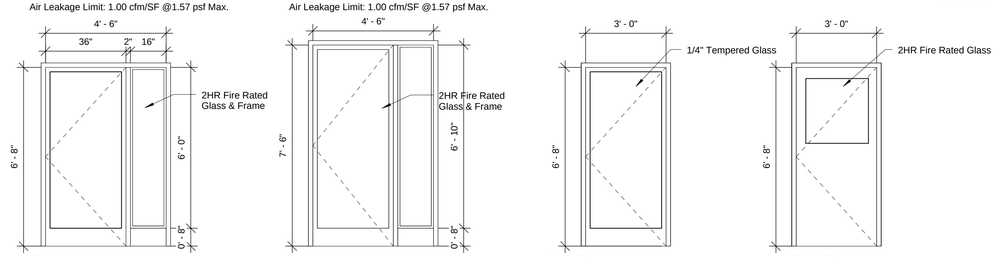
Type 'H'
Flush Hollow Metal Apartment Entrance Door
STC Rating 35

Type 'J'
Solid Core Wood Door

Type 'K'
Masonite Faced Hollow Core Door

Type 'L'
Masonite Faced Hollow Core Door

Type 'M'
Masonite Faced Hollow Core Doors



Type 'N'
Large Conference Entrance Door

Type 'O'
Hollow Metal Entry Door (50% Glazed)
U Factor: 0.450
Air Leakage Limit: 1.00 cfm/SF @1.57 psf Max.

Type 'P'
Hollow Metal Interior Door

Type 'P1'
Hollow Metal Entry Door (<50% Glazed)
U Factor: 0.700
Air Leakage Limit: 0.5 cfm/SF Max.

Notes:
1. Air leakage: Provide flashing, expandable foam sealant, and caulking at rough opening/door frame joints to create a continuous air barrier with surrounding wall system.
2. Install weather-stripping on all exterior, apartment entry, stair, cellar and mechanical room doors, and doors separating unconditioned spaces.
3. Door strike holes should be foamed/sealed before door frame installation.
4. Caulk perimeter of interior apartment door frames (eg: bedrooms, bathrooms) to drywall on both sides.

PROJECT:

A Home for Harlem Dowling
2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling
West Side Center for Children and Family Services

ARCHITECT:

THE OFFICE OF
SAMIR S. SHAH, ARCHITECT
URBAN | QUOTIENT
231 Front Street
Suite 211
Brooklyn, NY 11201
646.837.5499
info@urbanquotient.com

CONSULTANTS:

Structural Engineers:

De Nardis Engineering, LLC
15 Reservoir Road
White Plains, NY 10363-2516
Tel: 914.948.8844 Fax: 914.948.8868

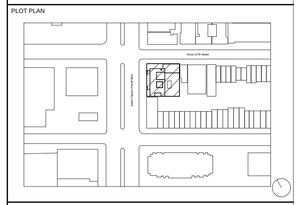
MEP Engineers:

Ettinger Engineering Associates
505 Eighth Avenue, 24th Floor
New York, NY 10018
Ph: 212-244-2410
Cell: 516-319-9360
Fax: 212-643-1606

Expediting/Code Consulting:

P Wolfe Consultants. Inc.
291 Broadway, Suite 200
New York, NY 10007
Ph: 212-938-8000
Fax: 212-938-8008

PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

DOOR SCHEDULE II

DRAWING #:

A541.00

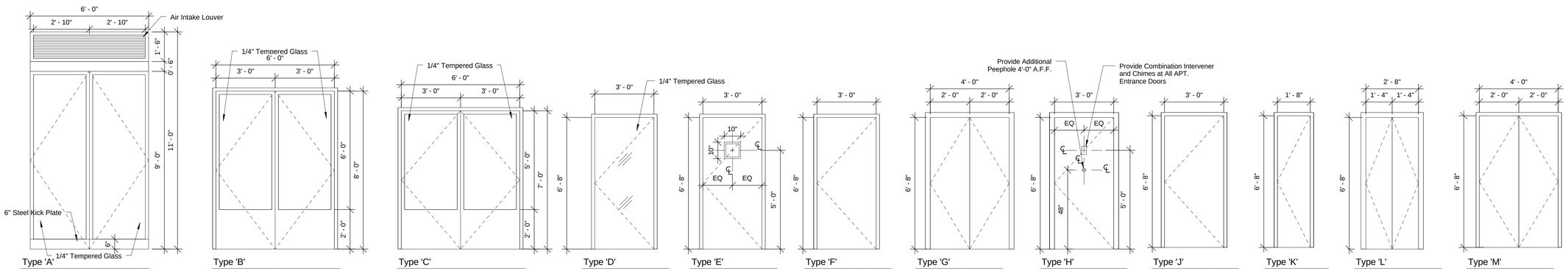
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
3/8" = 1'-0"	SSS	

Door Schedule

NO.	Door Type	Location	Rm. No.	Door W	Door H	Door T	Door Material	STC Rating	Frame Material	Frame Head	Frame Jamb	HRDWR Group	Saddle	Fire Rating	FPSC	Comments
306A	H	APARTMENT UNIT	306	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
306B	J	BATHROOM	306	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
306C	J	BEDROOM	306	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
306D	M	CL.	306	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
306E	K	L.C.	306	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
306F	L	C.C.	306	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
307A	H	APARTMENT UNIT	307	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
307B	J	BATHROOM	307	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
307C	J	BEDROOM	307	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
307D	M	CL.	307	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
307F	K	L.C.	307	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
307G	L	C.C.	307	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
308	F	JC	308	3' - 0"	6' - 8"	0' - 2"	HM		HM			H		1 1/2	Y	
309	F	REFUSE ROOM	309	3' - 0"	6' - 8"	0' - 2"	HM		HM			G		1 1/2	Y	
310A	L	CL.	307	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
311	E	STAIR 'A'	311	3' - 0"	6' - 8"	0' - 2"	HM		HM			C		1 1/2	Y	
312	E	STAIR 'B'	312	3' - 0"	6' - 8"	0' - 2"	HM		HM			C		1 1/2	Y	
401A	H	APARTMENT UNIT	401	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
401B	J	BATHROOM	401	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
401C	J	BEDROOM	401	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
401D	J	BEDROOM	401	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
401E	M	CL.	401	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
401F	M	CL.	401	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
401G	K	L.C.	401	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
401H	L	C.C.	401	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
402A	H	APARTMENT UNIT	402	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
402B	J	BATHROOM	402	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
402C	J	BEDROOM	402	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
402D	J	BEDROOM	402	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
402E	M	CL.	402	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
402F	M	CL.	402	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
402G	K	L.C.	402	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
402H	L	C.C.	402	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
403A	H	APARTMENT UNIT	403	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
403B	J	BATHROOM	403	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
403C	J	BEDROOM	403	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
403D	J	BEDROOM	403	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
403E	M	CL.	403	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
403F	M	CL.	403	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
403G	K	L.C.	403	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
403H	M	CL.	403	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
404A	H	APARTMENT UNIT	404	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
404B	J	BATHROOM	404	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
404C	J	BEDROOM	404	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
404D	J	BEDROOM	404	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
404E	M	CL.	404	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
404F	M	CL.	404	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
404G	K	L.C.	404	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
404H	M	C.C.	404	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
404J	K	CL.	404	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				

Door Schedule

NO.	Door Type	Location	Rm. No.	Door W	Door H	Door T	Door Material	STC Rating	Frame Material	Frame Head	Frame Jamb	HRDWR Group	Saddle	Fire Rating	FPSC	Comments
405A	H	APARTMENT UNIT	405	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
405B	J	BATHROOM	405	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
405C	J	BEDROOM	405	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
405D	J	BEDROOM	405	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
405E	M	CL.	405	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
405F	M	CL.	405	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
405G	K	L.C.	405	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
405H	M	C.C.	405	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
406A	H	APARTMENT UNIT	406	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
406B	J	BATHROOM	406	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
406C	J	BEDROOM	406	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
406D	M	CL.	406	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
406F	K	L.C.	406	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
406G	L	C.C.	406	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
407A	H	APARTMENT UNIT	407	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
407B	J	BATHROOM	407	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
407C	J	BEDROOM	407	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
407D	M	CL.	407	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
407E	L	L.C.	407	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
407F	K	C.C.	407	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
407G	L	CL.	407	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
408	F	JC	408	3' - 0"	6' - 8"	0' - 2"	HM		HM			H		1 1/2	Y	
409	F	REFUSE ROOM	409	3' - 0"	6' - 8"	0' - 2"	HM		HM			G		1 1/2	Y	
411	E	STAIR 'A'	411	3' - 0"	6' - 8"	0' - 2"	HM		HM			C		1 1/2	Y	
412	E	CORRIDOR	410	3' - 0"	6' - 8"	0' - 2"	HM		HM			C		1 1/2	Y	
501A	H	APARTMENT UNIT	501	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
501B	J	BATHROOM	501	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
501C	J	BEDROOM	501	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
501D	J	BEDROOM	501	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
501E	M	CL.	501	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
501F	M	CL.	501	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
501G	K	L.C.	501	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
501H	L	C.C.	501	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
502A	H	APARTMENT UNIT	502	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
502B	J	BATHROOM	502	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
502C	J	BEDROOM	502	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
502D	J	BEDROOM	502	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
502E	M	CL.	502	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
502F	M	CL.	502	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
502G	K	L.C.	502	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
502H	L	C.C.	502	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
503A	H	APARTMENT UNIT	503	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
503B	J	BATHROOM	503	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
503C	J	BEDROOM	503	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
503D	J	BEDROOM	503	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
503E	M	CL.	503	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
503F	M	CL.	503	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
503G	K	L.C.	503	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
503H	M	C.C.	503	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				



Type 'A'
Community Service Main Entrance Door
U Factor: 0.450
Air Leakage Limit: 1.00 cfm/SF @1.57 psf Max.

Type 'B'
Residential Lobby Main Entrance Door
U Factor: 0.450
Air Leakage Limit: 1.00 cfm/SF @1.57 psf Max.

Type 'C'
Vestibule Door

Type 'D'
Glass Door

Type 'E'
Flush Hollow Metal Door w/ Vision Panel

Type 'F'
Flush Hollow Metal Door
U Factor: 0.700
Air Leakage Limit: 0.5 cfm/SF Max.

Type 'G'
Flush Hollow Metal Doors

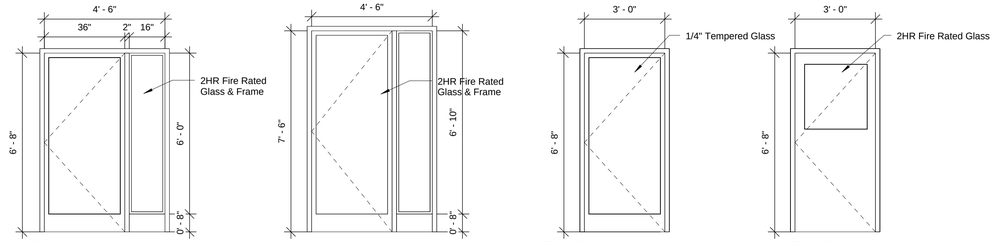
Type 'H'
Flush Hollow Metal Apartment Entrance Door
STC Rating 35

Type 'J'
Solid Core Wood Door

Type 'K'
Masonite Faced Hollow Core Door

Type 'L'
Masonite Faced Hollow Core Door

Type 'M'
Masonite Faced Hollow Core Doors



Type 'N'
Large Conference Entrance Door

Type 'O'
Hollow Metal Entry Door (50% Glazed)
U Factor: 0.450
Air Leakage Limit: 1.00 cfm/SF @1.57 psf Max.

Type 'P'
Hollow Metal Interior Door

Type 'P1'
Hollow Metal Entry Door (<50% Glazed)
U Factor: 0.700
Air Leakage Limit: 0.5 cfm/SF Max.

Notes:
1. Air leakage: Provide flashing, expandable foam sealant, and caulking at rough opening/door frame joints to create a continuous air barrier with surrounding wall system.
2. Install weather-stripping on all exterior, apartment entry, stair, cellar and mechanical room doors, and doors separating unconditioned spaces.
3. Door strike holes should be foamed/sealed before door frame installation.
4. Caulk perimeter of interior apartment door frames (eg: bedrooms, bathrooms) to drywall on both sides.

PROJECT:

A Home for Harlem Dowling
2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling
West Side Center for Children and Family Services

ARCHITECT:

THE OFFICE OF
SAMIR S. SHAH, ARCHITECT
URBAN | QUOTIENT
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646.837.5499
info@urbanquotient.com

CONSULTANTS:

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15 Reservoir Road
White Plains, NY 10363-2516
Tel: 914.948.8844 Fax: 914.948.8868

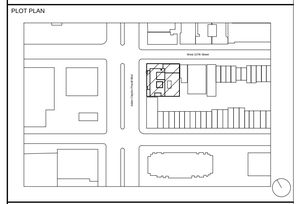
MEP Engineers:

Ettinger Engineering Associates
505 Eighth Avenue, 24th Floor
New York, NY 10018
Ph: 212-244-2410
Cell: 516-319-9360
Fax: 212-643-1606

Expediting/Code Consulting:

P Wolfe Consultants. Inc.
291 Broadway, Suite 200
New York, NY 10007
Ph: 212-938-8000
Fax: 212-938-8008

PLOT PLAN



REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

DOOR SCHEDULE III

DRAWING #:

A542.00

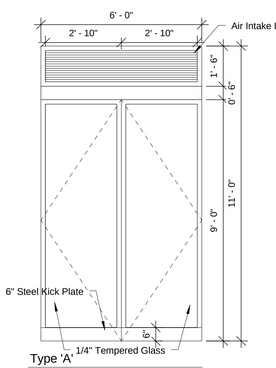
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
3/8" = 1'-0"	SSS	

Door Schedule

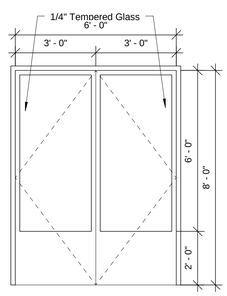
NO.	Door Type	Location	Rm. No.	Door W	Door H	Door T	Door Material	STC Rating	Frame Material	Frame Head	Frame Jamb	HRDWR Group	Saddle	Fire Rating	FPSC	Comments
504A	H	APARTMENT UNIT	504	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
504B	J	BATHROOM	504	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
504C	J	BEDROOM	504	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
504D	J	BEDROOM	504	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
504E	M	CL.	504	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
504F	M	CL.	504	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
504G	K	L.C.	504	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
504H	M	C.C.	504	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
504J	K	CL.	504	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
505A	H	APARTMENT UNIT	505	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
505B	J	BATHROOM	505	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
505C	J	BEDROOM	505	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
505D	J	BEDROOM	505	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
505E	M	CL.	505	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
505F	M	CL.	505	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
505G	K	L.C.	505	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
505H	M	C.C.	505	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
506A	H	APARTMENT UNIT	506	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
506B	J	BATHROOM	506	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
506C	J	BEDROOM	506	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
506D	M	CL.	506	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
506E	K	L.C.	506	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
506F	L	C.C.	506	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
507A	H	APARTMENT UNIT	507	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
507B	J	BATHROOM	507	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
507C	J	BEDROOM	507	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
507D	M	CL.	507	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
507E	L	L.C.	507	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
507F	K	C.C.	507	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
507G	L	CL.	507	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
508	F	JC	508	3' - 0"	6' - 8"	0' - 2"	HM		HM			H		1 1/2	Y	
509	F	REFUSE ROOM	509	3' - 0"	6' - 8"	0' - 2"	HM		HM			G		1 1/2	Y	
511	E	STAIR 'A'	511	3' - 0"	6' - 8"	0' - 2"	HM		HM			C		1 1/2	Y	
512	E	STAIR 'B'	512	3' - 0"	6' - 8"	0' - 2"	HM		HM			C		1 1/2	Y	
601A	H	APARTMENT UNIT	601	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
601B	J	BATHROOM	601	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
601C	J	BEDROOM	601	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
601D	J	BEDROOM	601	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
601E	M	CL.	601	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
601F	M	CL.	601	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
601G	K	L.C.	601	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
601H	L	C.C.	601	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
602A	H	APARTMENT UNIT	602	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
602B	J	BATHROOM	602	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
602C	J	BEDROOM	602	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
602D	J	BEDROOM	602	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
602E	M	CL.	602	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
602F	M	CL.	602	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
602G	K	L.C.	602	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				

Door Schedule

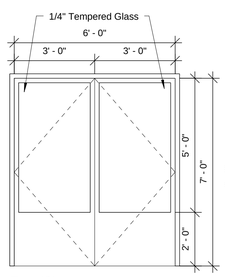
NO.	Door Type	Location	Rm. No.	Door W	Door H	Door T	Door Material	STC Rating	Frame Material	Frame Head	Frame Jamb	HRDWR Group	Saddle	Fire Rating	FPSC	Comments
602H	L	C.C.	602	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
603A	H	APARTMENT UNIT	603	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
603B	J	BATHROOM	603	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
603C	J	BEDROOM	603	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
603D	J	BEDROOM	603	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
603E	M	CL.	603	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
603F	M	CL.	603	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
603G	K	L.C.	603	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
603H	M	C.C.	603	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
604A	H	APARTMENT UNIT	604	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
604B	J	BATHROOM	604	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
604C	J	BEDROOM	604	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
604D	J	BEDROOM	604	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
604E	M	CL.	604	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
604F	M	CL.	604	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
604G	K	L.C.	604	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
604H	M	C.C.	604	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
604J	K	CL.	604	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
605A	H	APARTMENT UNIT	605	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
605B	J	BATHROOM	605	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
605C	J	BEDROOM	605	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
605D	J	BEDROOM	605	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
605E	M	CL.	605	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
605F	M	CL.	605	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
605G	K	L.C.	605	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
605H	M	C.C.	605	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
606A	H	APARTMENT UNIT	606	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
606B	J	BATHROOM	606	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
606C	J	BEDROOM	606	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
606D	M	CL.	606	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
606E	K	L.C.	606	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
606F	L	C.C.	606	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
607A	H	APARTMENT UNIT	607	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
607B	J	BATHROOM	607	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
607C	J	BEDROOM	607	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
607D	M	CL.	607	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
607E	L	L.C.	607	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
607F	K	C.C.	607	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
607G	L	CL.	607	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
608	F	JC	608	3' - 0"	6' - 8"	0' - 2"	HM		HM			H		1 1/2	Y	
609	F	REFUSE ROOM	609	3' - 0"	6' - 8"	0' - 2"	HM		HM			G		1 1/2	Y	
611	E	STAIR 'A'	611	3' - 0"	6' - 8"	0' - 2"	HM		HM			C		1 1/2	Y	
612	E	STAIR 'B'	612	3' - 0"	6' - 8"	0' - 2"	HM		HM			C		1 1/2	Y	
701A	H	APARTMENT UNIT	701	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
701B	J	BATHROOM	701	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
701C	J	BEDROOM	701	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
701D	J	BEDROOM	701	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
701E	M	CL.	701	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
701F	M	CL.	701	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
701G	K	L.C.	701	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
701H	L	C.C.	701	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				



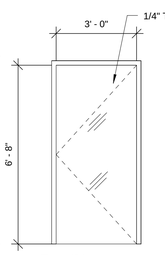
Type 'A'
Community Service Main Entrance Door
U Factor: 0.450
Air Leakage Limit: 1.00 cfm/SF @1.57 psf Max.



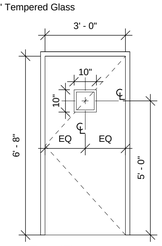
Type 'B'
Residential Lobby Main Entrance Door
U Factor: 0.450
Air Leakage Limit: 1.00 cfm/SF @1.57 psf Max.



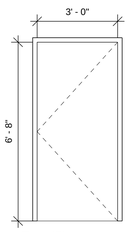
Type 'C'
Vestibule Door



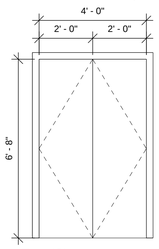
Type 'D'
Glass Door



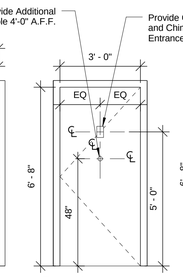
Type 'E'
Flush Hollow Metal Door w/
Vision Panel



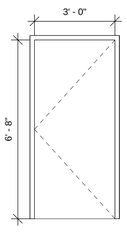
Type 'F'
Flush Hollow Metal Door
U Factor: 0.700
Air Leakage Limit: 0.5 cfm/SF Max.



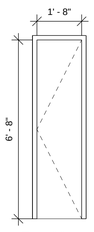
Type 'G'
Flush Hollow Metal Doors



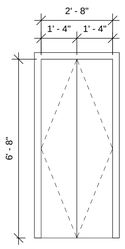
Type 'H'
Flush Hollow Metal
Apartment Entrance Door
STC Rating 35



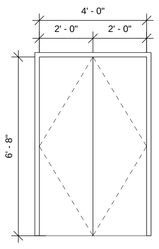
Type 'J'
Solid Core Wood Door



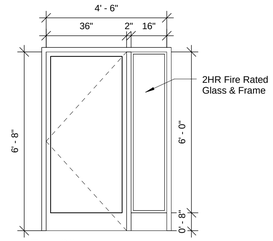
Type 'K'
Masonite Faced
Hollow Core Door



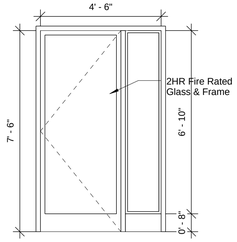
Type 'L'
Masonite Faced
Hollow Core Door



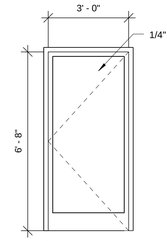
Type 'M'
Masonite Faced
Hollow Core Doors



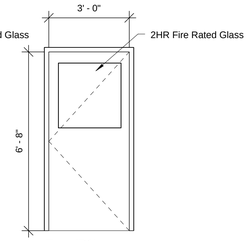
Type 'N'
Large Conference Entrance Door



Type 'O'
Hollow Metal Entry Door (50% Glazed)
U Factor: 0.450
Air Leakage Limit: 1.00 cfm/SF @1.57 psf Max.



Type 'P'
Hollow Metal Interior Door



Type 'P1'
Hollow Metal Entry Door (<50% Glazed)
U Factor: 0.700
Air Leakage Limit: 0.5 cfm/SF Max.

Notes:
1. Air leakage: Provide flashing, expandable foam sealant, and caulking at rough opening/door frame joints to create a continuous air barrier with surrounding wall system.
2. Install weather-stripping on all exterior, apartment entry, stair, cellar and mechanical room doors, and doors separating unconditioned spaces.
3. Door strike holes should be foamed/sealed before door frame installation.
4. Caulk perimeter of interior apartment door frames (eg: bedrooms, bathrooms) to drywall on both sides.

PROJECT:

A Home for Harlem Dowling
2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling
West Side Center for Children and Family Services

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Tel: 914.948.8844 Fax: 914.948.8868

MEP Engineers:

Ettinger Engineering Associates
505 Eighth Avenue, 24th Floor
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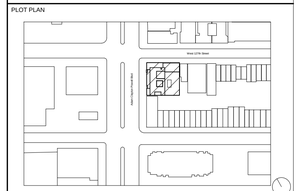
Expediting/Code Consulting:

P Wolfe Consultants. Inc.
291 Broadway, Suite 200
New York, NY 10007
Ph: 212-938-8000
Fax: 212-938-8008

PLOT PLAN



REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

DOOR SCHEDULE IV

DRAWING #:

A543.00

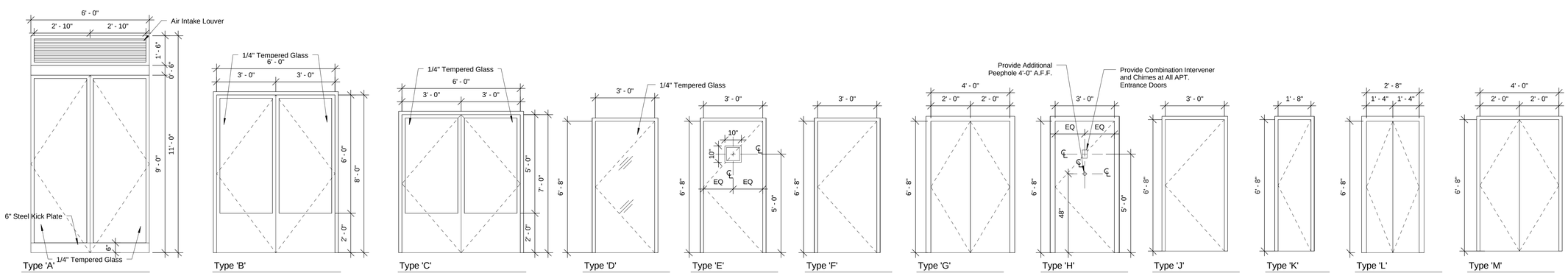
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
3/8" = 1'-0"	SSS	

Door Schedule

NO.	Door Type	Location	Rm. No.	Door W	Door H	Door T	Door Material	STC Rating	Frame Material	Frame Head	Frame Jamb	HRDWR Group	Saddle	Fire Rating	FPSC	Comments
702A	H	APARTMENT UNIT	702	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
702B	J	BATHROOM	702	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
702C	J	BEDROOM	702	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
702D	J	BEDROOM	702	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
702E	M	CL.	702	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
702F	M	CL.	702	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
702G	K	L.C.	702	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
702H	L	C.C.	702	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
703A	H	APARTMENT UNIT	703	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
703B	J	BATHROOM	703	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
703C	J	BEDROOM	703	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
703D	J	BEDROOM	703	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
703E	M	CL.	703	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
703F	M	CL.	703	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
703G	K	L.C.	703	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
703H	M	C.C.	703	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
704A	H	APARTMENT UNIT	704	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
704B	J	BATHROOM	704	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
704C	J	BEDROOM	704	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
704D	J	BEDROOM	704	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
704E	M	CL.	704	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
704F	M	CL.	704	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
704G	K	L.C.	704	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
704H	M	C.C.	704	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
704J	K	CL.	704	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
705A	H	APARTMENT UNIT	705	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
705B	J	BATHROOM	705	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
705C	J	BEDROOM	705	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
705D	J	BEDROOM	705	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
705E	M	CL.	705	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
705F	M	CL.	705	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
705G	K	L.C.	705	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
705H	M	C.C.	705	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
706A	H	APARTMENT UNIT	706	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
706B	J	BATHROOM	706	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
706C	J	BEDROOM	706	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
706D	M	CL.	706	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
706E	K	L.C.	706	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
706F	L	C.C.	706	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
707A	H	APARTMENT UNIT	707	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
707B	J	BATHROOM	707	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
707C	J	BEDROOM	707	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
707D	M	CL.	707	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
707E	L	L.C.	707	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
707F	K	C.C.	707	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
707G	L	CL.	707	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
708	F	JC	708	3' - 0"	6' - 8"	0' - 2"	HM		HM			H		1 1/2	Y	
709	F	REFUSE ROOM	709	3' - 0"	6' - 8"	0' - 2"	HM		HM			G		1 1/2	Y	

Door Schedule

NO.	Door Type	Location	Rm. No.	Door W	Door H	Door T	Door Material	STC Rating	Frame Material	Frame Head	Frame Jamb	HRDWR Group	Saddle	Fire Rating	FPSC	Comments
711	E	STAIR 'A'	711	3' - 0"	6' - 8"	0' - 2"	HM		HM			C		1 1/2	Y	
712	E	STAIR 'B'	712	3' - 0"	6' - 8"	0' - 2"	HM		HM			C		1 1/2	Y	
801A	H	APARTMENT UNIT	801	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
801B	J	BATHROOM	801	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
801C	J	BEDROOM	801	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
801D	J	BEDROOM	801	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
801E	M	CL.	801	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
801F	M	CL.	801	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
801G	K	L.C.	801	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
801H	L	C.C.	801	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
802A	H	APARTMENT UNIT	802	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
802B	J	BATHROOM	802	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
802C	J	BEDROOM	802	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
802D	J	BEDROOM	802	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
802E	M	CL.	802	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
802F	M	CL.	802	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
802G	K	L.C.	802	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
802H	L	C.C.	802	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
803A	H	APARTMENT UNIT	803	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
803B	J	BATHROOM	803	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
803C	J	BEDROOM	803	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
803D	J	BEDROOM	803	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
803E	M	CL.	803	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
803F	M	CL.	803	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
803G	K	L.C.	803	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
803H	M	C.C.	803	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
804A	H	APARTMENT UNIT	804	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
804B	J	BATHROOM	804	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
804C	J	BEDROOM	804	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
804D	J	BEDROOM	804	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
804E	M	CL.	804	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
804F	M	CL.	804	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
804G	K	L.C.	804	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
804H	M	C.C.	804	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
804J	K	CL.	804	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
805A	H	APARTMENT UNIT	805	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
805B	J	BATHROOM	805	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
805C	J	BEDROOM	805	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
805D	J	BEDROOM	805	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
805E	M	CL.	805	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
805F	M	CL.	805	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
805G	K	L.C.	805	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
805H	M	C.C.	805	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
806A	H	APARTMENT UNIT	806	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
806B	J	BATHROOM	806	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
806C	J	BEDROOM	806	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
806D	M	CL.	806	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
806E	K	L.C.	806	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
806F	L	C.C.	806	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				



Notes:
1. Air leakage: Provide flashing, expandable foam sealant, and caulking at rough opening/door frame joints to create a continuous air barrier with surrounding wall system.
2. Install weather-stripping on all exterior, apartment entry, stair, cellar and mechanical room doors, and doors separating unconditioned spaces.
3. Door strike holes should be foamed/sealed before door frame installation.
4. Caulk perimeter of interior apartment door frames (eg: bedrooms, bathrooms) to drywall on both sides.

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A Home for Harlem Dowling

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New York, NY 10027

SPONSOR:

Harlem Dowling

West Side Center for Children and Family Services

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THE OFFICE OF
SAMIR S. SHAH, ARCHITECT
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MEP Engineers:

Ettinger Engineering Associates
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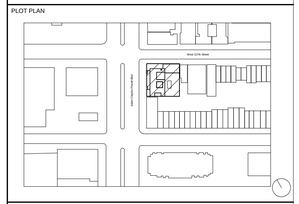
Fax: 212-643-1606

Expediting/Code Consulting:

P Wolfe Consultants. Inc.
291 Broadway, Suite 200
New York, NY 10007
Ph: 212-938-8000
Fax: 212-938-8008

PLOT PLAN



REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

DOOR SCHEDULE V

DRAWING #:

A544.00

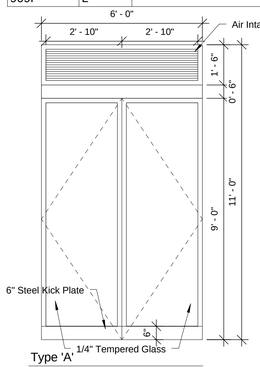
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE: 3/8" = 1'-0"	CHECKED BY: SSS	SHEET:

Door Schedule

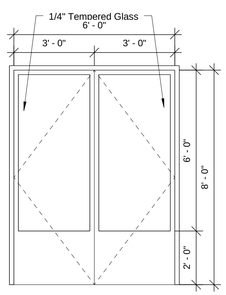
NO.	Door Type	Location	Rm. No.	Door W	Door H	Door T	Door Material	STC Rating	Frame Material	Frame Head	Frame Jamb	HRDWR Group	Saddle	Fire Rating	FPSC	Comments
807A	H	APARTMENT UNIT	807	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
807B	J	BATHROOM	807	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
807C	J	BEDROOM	807	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
807D	M	CL.	807	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
807E	L	L.C.	807	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
807F	K	C.C.	807	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
807G	L	CL.	807	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
808	F	JC	808	3' - 0"	6' - 8"	0' - 2"	HM		HM			H		1 1/2	Y	
809	F	REFUSE ROOM	809	3' - 0"	6' - 8"	0' - 2"	HM		HM			G		1 1/2	Y	
811	E	STAIR 'A'	811	3' - 0"	6' - 8"	0' - 2"	HM		HM			C		1 1/2	Y	
812	E	STAIR 'B'	812	3' - 0"	6' - 8"	0' - 2"	HM		HM			C		1 1/2	Y	
901A	H	APARTMENT UNIT	901	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
901B	J	BATHROOM	901	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
901C	L	C.C.	901	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
901D	L	L.C.	901	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
901E	M	CL.	901	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
902A	H	APARTMENT UNIT	902	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
902B	J	BATHROOM	902	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
902C	L	L.C.	902	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
902D	L	C.C.	902	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
902E	M	CL.	902	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
903A	H	APARTMENT UNIT	903	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
903B	J	BATHROOM	903	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
903C	K	L.C.	903	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
903D	L	C.C.	903	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
903E	M	CL.	903	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
904A	H	APARTMENT UNIT	904	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
904B	J	BATHROOM	904	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
904C	K	L.C.	904	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
904D	M	C.C.	904	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
904E	M	CL.	904	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
904F	L	CL.	904	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
905A	H	APARTMENT UNIT	905	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
905B	J	BATHROOM	905	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
905C	K	L.C.	905	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
905D	L	C.C.	905	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
905E	M	CL.	905	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
906A	H	APARTMENT UNIT	906	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
906B	J	BATHROOM	906	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
906C	K	L.C.	906	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
906D	M	C.C.	906	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
906E	M	CL.	906	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
907	F	REFUSE ROOM/J.C.	907	3' - 0"	6' - 8"	0' - 2"	HM		HM			G		1 1/2	Y	
908	F	PUBLIC TOILET	908	3' - 0"	6' - 8"	0' - 2"	HM		HM			F		1 1/2	Y	
909A	P1	APARTMENT UNIT	909	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A				2HR Fire Rated Glass & Frame
909B	J	BATHROOM	909	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
909C	J	BEDROOM	909	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
909D	J	BEDROOM	909	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
909E	L	CL.	R04	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
909F	L			2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				

Door Schedule

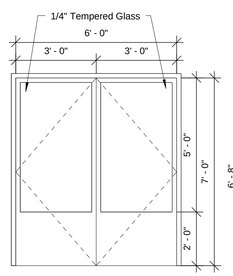
NO.	Door Type	Location	Rm. No.	Door W	Door H	Door T	Door Material	STC Rating	Frame Material	Frame Head	Frame Jamb	HRDWR Group	Saddle	Fire Rating	FPSC	Comments
909G	M	CL.	909	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
909H	M	CL.	909	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
910	E	CORRIDOR	910	3' - 0"	6' - 8"	0' - 2"	HM		HM			K		1 1/2	Y	Include Double-acting Hardware
911	E	STAIR 'A'	911	3' - 0"	6' - 8"	0' - 2"	HM		HM			C		1 1/2	Y	
912	E	STAIR 'B'	912	3' - 0"	6' - 8"	0' - 2"	HM		HM			C		1 1/2	Y	
913	P1	CORRIDOR	913	3' - 0"	6' - 8"	0' - 2"	HM		HM			E				2HR Fire Rated Glass & Frame
1001A	H	APARTMENT UNIT	1001	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
1001B	J	BATHROOM	1001	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
1001C	K	L.C.	1001	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
1001D	L	C.C.	1001	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
1001E	M	CL.	1001	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
1001F	K	LIVING AREA	1001	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
1002A	H	APARTMENT UNIT	1002	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
1002B	J	BATHROOM	1002	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
1002C	K	L.C.	1002	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
1002D	L	CL.	1002	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
1002E	L	C.C.	1002	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
1002F	K	LIVING AREA	1002	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
1003A	H	APARTMENT UNIT	1003	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
1003B	J	BATHROOM	1003	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
1003C	K	L.C.	1003	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
1003D	L	C.C.	1003	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
1003E	M	CL.	1003	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
1004A	H	APARTMENT UNIT	1004	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
1004B	J	BATHROOM	1004	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
1004C	K	L.C.	1004	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
1004D	M	C.C.	1004	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
1004E	M	CL.	1004	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
1004F	L	CL.	1004	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
1005A	H	APARTMENT UNIT	1005	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
1005B	J	BATHROOM	1005	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
1005C	K	L.C.	1005	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
1005D	L	C.C.	1005	2' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
1005E	M	CL.	1005	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
1006A	H	APARTMENT UNIT	1006	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			A		1 1/2	Y	
1006B	J	BATHROOM	1006	3' - 0"	6' - 8"	0' - 2"	SCW		WD			B1				
1006C	K	L.C.	1006	1' - 8"	6' - 8"	0' - 2"	HCW		WD			B2				
1006D	M	C.C.	1006	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
1006E	M	CL.	1006	4' - 0"	6' - 8"	0' - 2"	HCW		WD			B2				
1007	F	REFUSE ROOM/J.C.	1007	3' - 0"	6' - 8"	0' - 2"	HM		HM			G		1 1/2	Y	
1008	F	STORAGE	1008	3' - 0"	6' - 8"	0' - 2"	HM		HM			H		1 1/2	Y	
1011	E	STAIR 'A'	1011	3' - 0"	6' - 8"	0' - 2"	HM		HM			C		1 1/2	Y	
1012	E	STAIR 'B'	1012	3' - 0"	6' - 8"	0' - 2"	HM		HM			C		1 1/2	Y	
1013	F	ELEVATOR CONTROL ROOM	1013	3' - 0"	6' - 8"	0' - 2"	HM	35	HM			H		1 1/2	Y	
R01A	F	BOILER ROOM	R01	3' - 0"	6' - 8"	0' - 2"	HM		HM			H		1 1/2	Y	
R01B	F	BOILER ROOM	R01	3' - 0"	6' - 8"	0' - 2"	HM		HM			H		1 1/2	Y	
R01C	F	BOILER ROOM	R01	3' - 0"	6' - 8"	0' - 2"	HM		HM			H		1 1/2	Y	
R02	F	PUMP ROOM	R02	3' - 0"	6' - 8"	0' - 2"	HM		HM			H		1 1/2	Y	
R11	E	STAIR 'A'	R11	3' - 0"	6' - 8"	0' - 2"	HM		HM			C		1 1/2	Y	
R12	E	STAIR 'B'	R12	3' - 0"	6' - 8"	0' - 2"	HM		HM			J		1 1/2	Y	



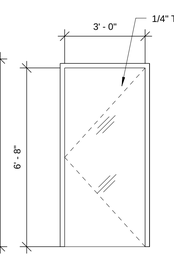
Type 'A'
Community Service Main Entrance Door
U Factor: 0.450
Air Leakage Limit: 1.00 cfm/SF @1.57 psf Max.



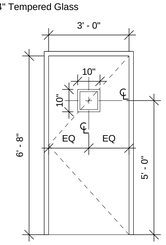
Type 'B'
Residential Lobby Main Entrance Door
U Factor: 0.450
Air Leakage Limit: 1.00 cfm/SF @1.57 psf Max.



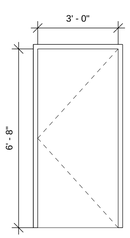
Type 'C'
Vestibule Door



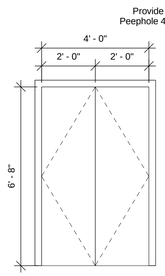
Type 'D'
Glass Door



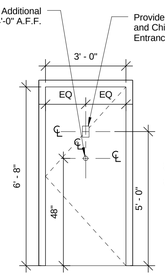
Type 'E'
Flush Hollow Metal Door w/ Vision Panel



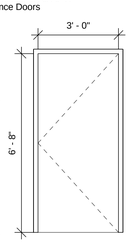
Type 'F'
Flush Hollow Metal Door
U Factor: 0.700
Air Leakage Limit: 0.5 cfm/SF Max.



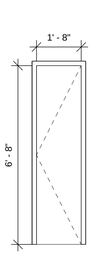
Type 'G'
Flush Hollow Metal Doors



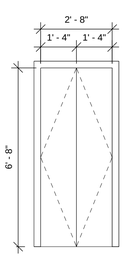
Type 'H'
Flush Hollow Metal Apartment Entrance Door
STC Rating 35



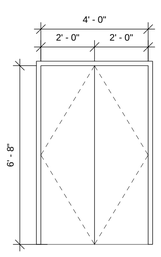
Type 'J'
Solid Core Wood Door



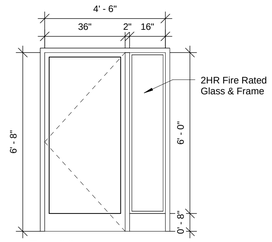
Type 'K'
Masonite Faced Hollow Core Door



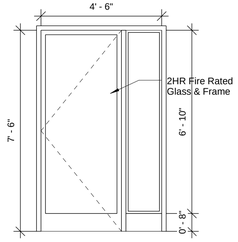
Type 'L'
Masonite Faced Hollow Core Door



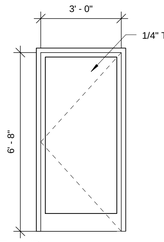
Type 'M'
Masonite Faced Hollow Core Doors



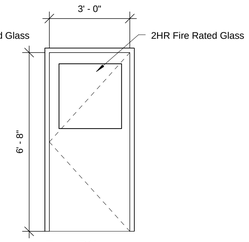
Type 'N'
Large Conference Entrance Door



Type 'O'
Hollow Metal Entry Door (50% Glazed)
U Factor: 0.450
Air Leakage Limit: 1.00 cfm/SF @1.57 psf Max.



Type 'P'
Hollow Metal Interior Door



Type 'P1'
Hollow Metal Entry Door (<50% Glazed)
U Factor: 0.700
Air Leakage Limit: 0.5 cfm/SF Max.

Notes:
1. Air leakage: Provide flashing, expandable foam sealant, and caulking at rough opening/door frame joints to create a continuous air barrier with surrounding wall system.
2. Install weather-stripping on all exterior, apartment entry, stair, cellar and mechanical room doors, and doors separating unconditioned spaces.
3. Door strike holes should be foamed/sealed before door frame installation.
4. Caulk perimeter of interior apartment door frames (eg: bedrooms, bathrooms) to drywall on both sides.

PROJECT:

A Home for Harlem Dowling
2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling
West Side Center for Children and Family Services

ARCHITECT:

THE OFFICE OF
SAMIR S. SHAH, ARCHITECT
URBAN | QUOTIENT
231 Front Street
Suite 211
Brooklyn, NY 11201
646.837.5499
info@urbanquotient.com

CONSULTANTS:

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15 Reservoir Road
White Plains, NY 10363-2516
Tel: 914.948.8844 Fax: 914.948.8868

MEP Engineers:

Ettinger Engineering Associates
505 Eighth Avenue, 24th Floor
New York, NY 10018
Ph: 212-244-2410
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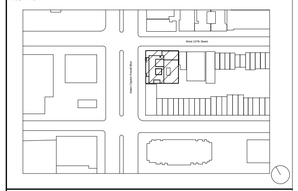
Fax: 212-643-1606

Expediting/Code Consulting:

P Wolfe Consultants. Inc.
291 Broadway, Suite 200
New York, NY 10007
Ph: 212-938-8000
Fax: 212-938-8008

PLOT PLAN



REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

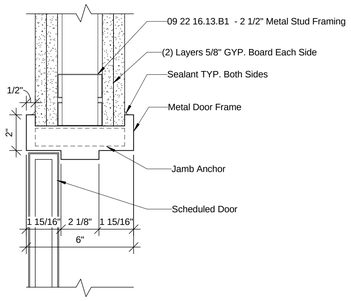
DRAWING TITLE:

DOOR SCHEDULE VI

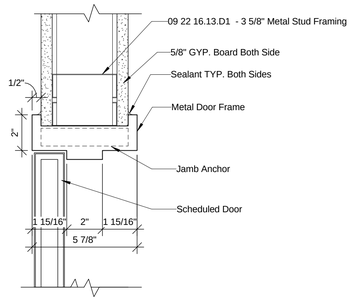
DRAWING #:

A545.00

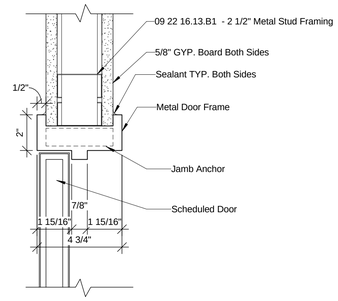
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
3/8" = 1'-0"	SSS	



1 Jamb, Head SIM.
3" = 1'-0"



2 Jamb, Head SIM.
3" = 1'-0"



3 Jamb, Head SIM.
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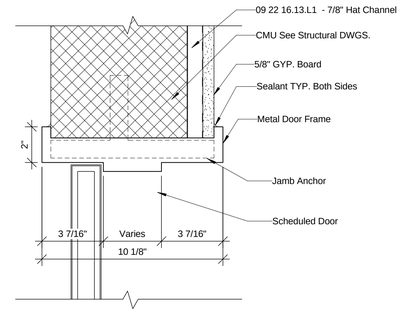
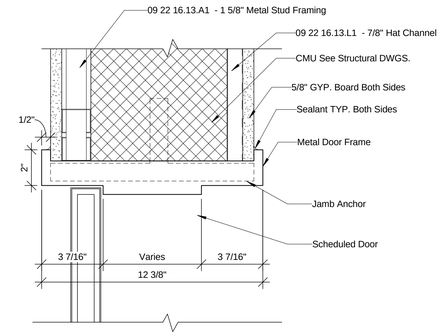
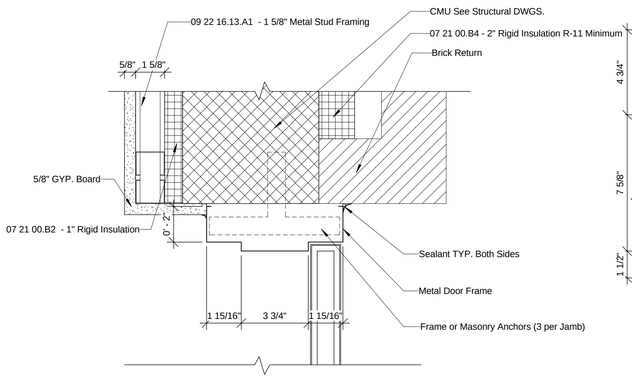


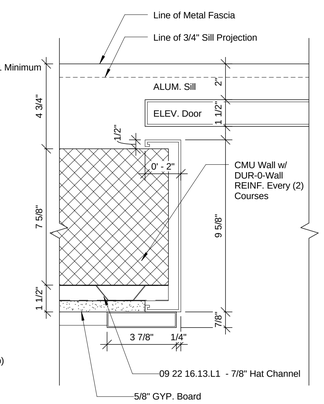
4 Jamb, Head SIM.
3" = 1'-0"



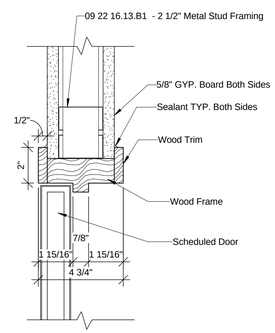
5 Jamb, Head SIM.
3" = 1'-0"



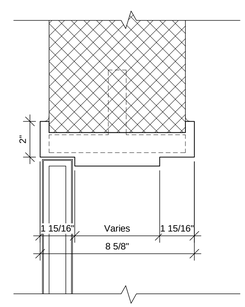
6 Jamb, Head SIM.
3" = 1'-0"



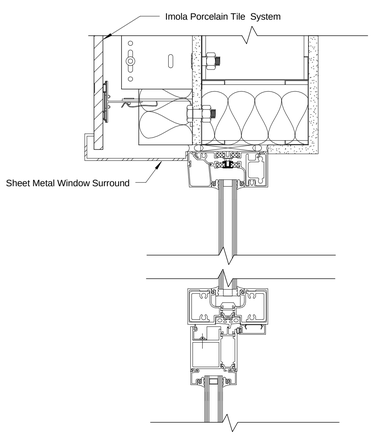
7 Elevator Jamb Detail
3" = 1'-0"



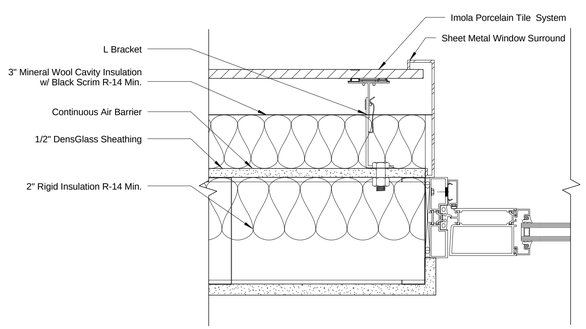
8 Jamb, Head SIM.
3" = 1'-0"



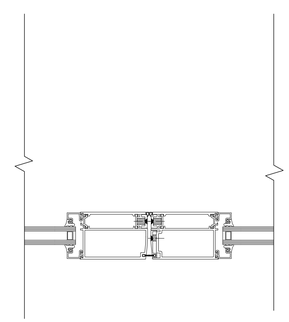
9 Jamb, Head SIM.
3" = 1'-0"



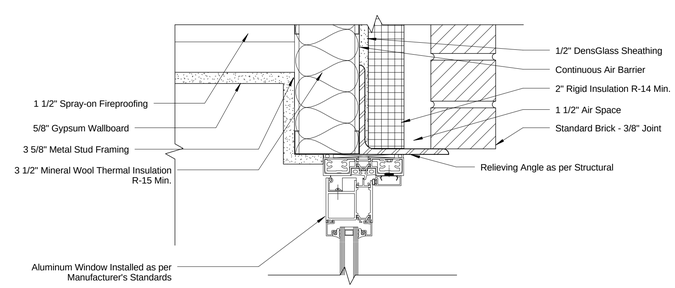
10 Glass Entry Door Head Detail w/ Transom
3" = 1'-0"



11 Glass Entry Door Jam Detail
1 1/2"=1'-0"



11 Glass Entry Door Meeting Style Detail
3" = 1'-0"



12 Glass Entry Door Head w/ No Transom
3" = 1'-0"

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling

West Side Center for Children and Family Services

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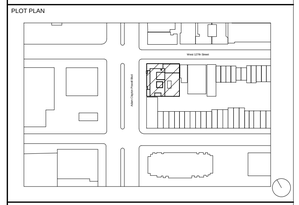
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

DOOR DETAILS I

DRAWING #:

A550.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
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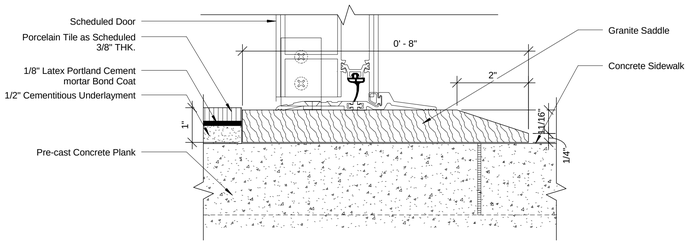
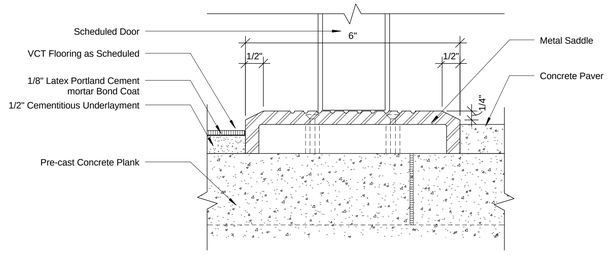
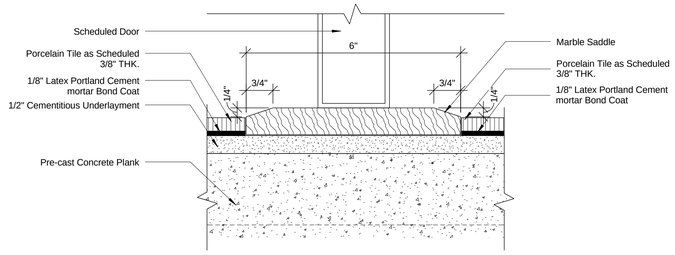


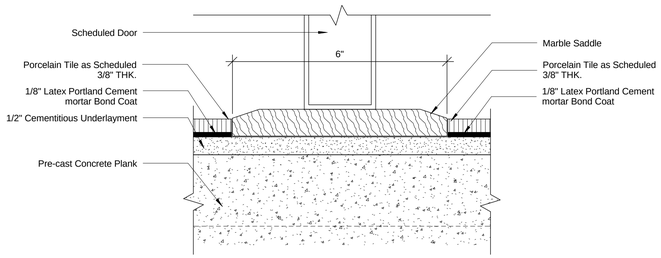
1 Saddle Detail @ Glass Entry Doors
HD & Residential Lobby Entrance



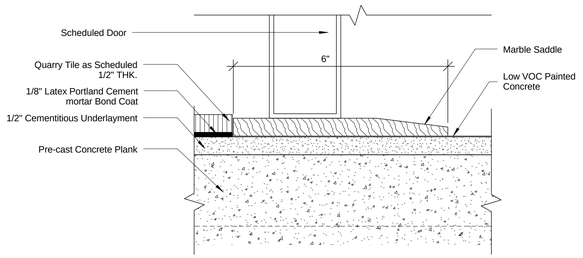
2 Saddle Detail
9th Floor Deck



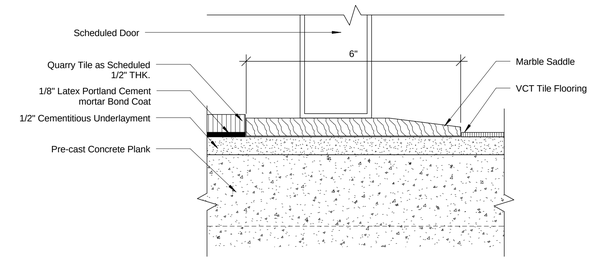
3 Saddle Detail
Lobby & Vestibule @ Ground/First Floor



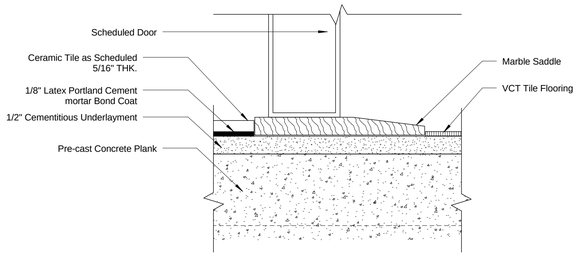
4 Saddle Detail @ Ground Floor
Lobby & Lounge / Bicycle Storage / Security / Vestibule



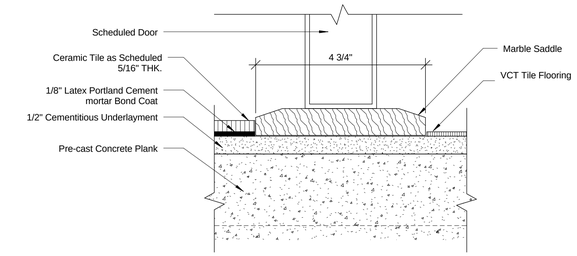
5 Saddle Detail
Staircase & Corridor



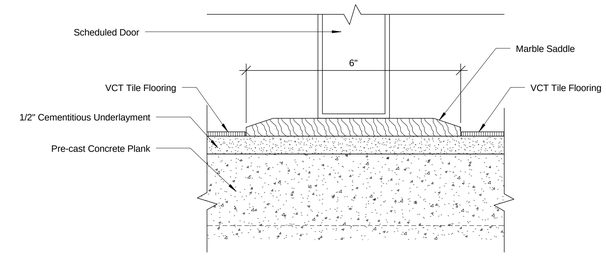
6 Saddle Detail
Apartment Entry
Corridor & Open Offices/Large Conference Room @ Cellar Floor
Corridor & Open Office @ Ground/First Floor



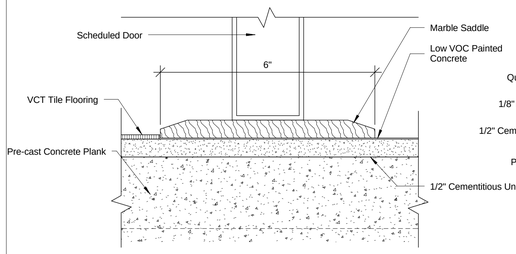
7 Saddle Detail
Unit Bathrooms



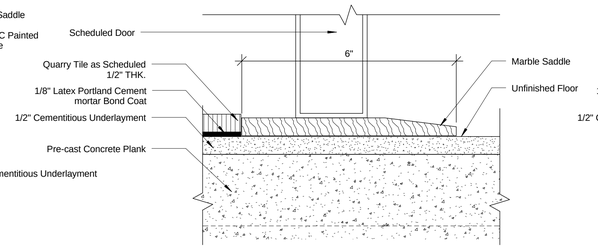
8 Saddle Detail
Public Bathrooms



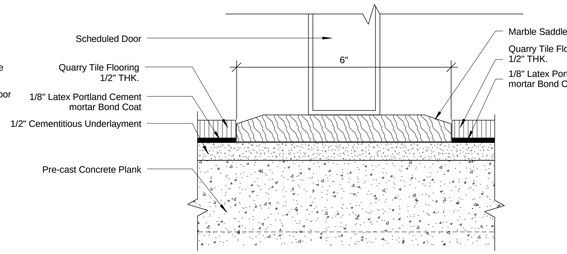
9 Saddle Detail @ Cellar & Ground/First Floor
Open Offices & Office/Meeting/Visiting/Exam/Seminar Rooms



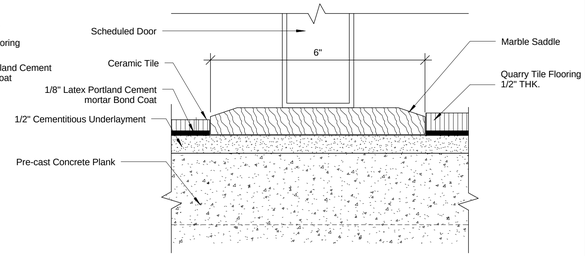
10 Saddle Detail @ Cellar Floor
Storage Room



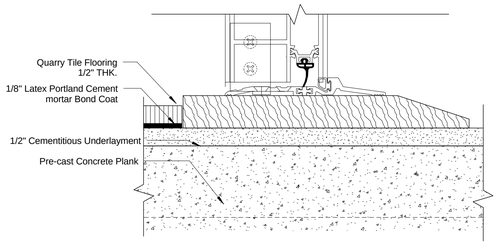
11 Saddle Detail @ Cellar Floor
Corridor / Electrical Room / Trash Compactor Room



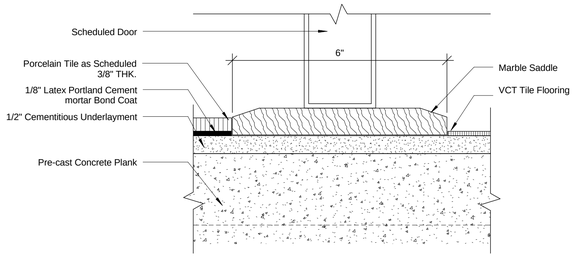
12 Saddle Detail
Corridor & Refuse Room / Janitor's CL.



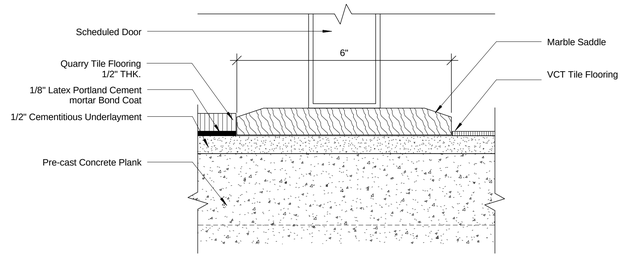
16 Saddle Detail @ Ground/First Floor
Group Room/Pantry/Public Bathroom to Corridor



14 Saddle Detail @ Glass Entry Doors
2nd Floor Roof Deck Entry



15 Saddle Detail @ Ground/First Floor
Vestibule/ Lobby to HD Open Office/Offices
Open Office to Lunch Room



16 Saddle Detail @ Cellar & Ground/First Floor
Corridor to Open Office

1 Door Details II
6" = 1'-0"

PROJECT:

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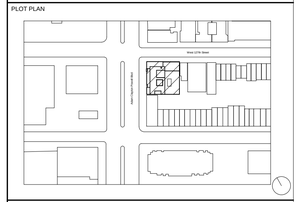
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

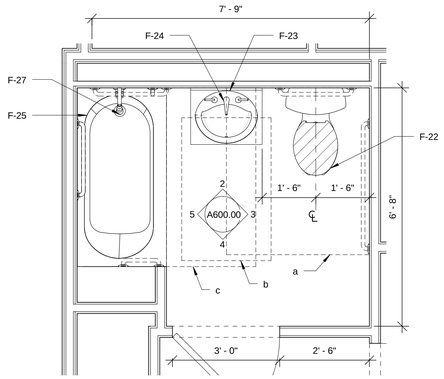
DRAWING TITLE:

DOOR DETAILS II

DRAWING #:

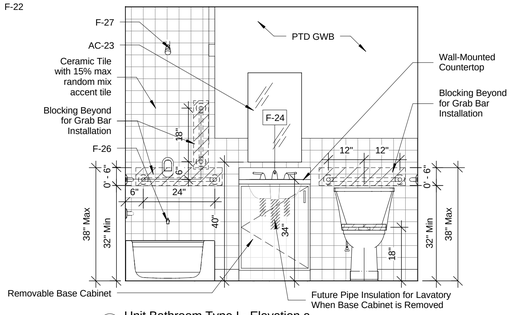
A551.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
6" = 1'-0"	SSS	

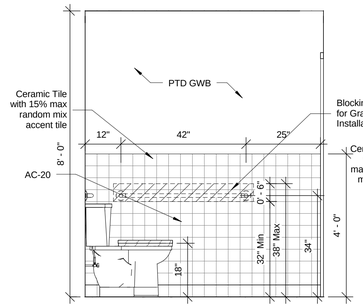


a. W/C Clear Floor Space - Parallel Approach (48"x56")
b. Lavatory Clear Floor Space - Parallel Approach (30" x 48")
c. Bathtub Clear Floor Space (30" x Length of Tub)

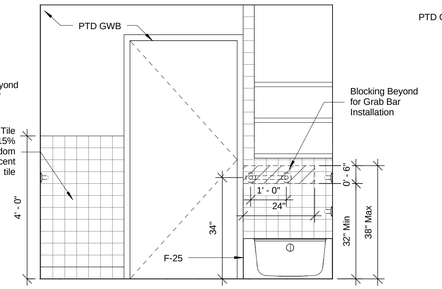
1 Unit Bathroom Type I
1/2" = 1'-0"



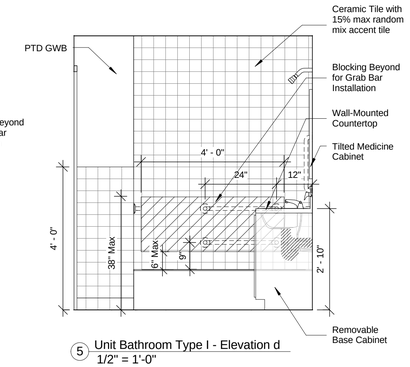
2 Unit Bathroom Type I - Elevation a
1/2" = 1'-0"



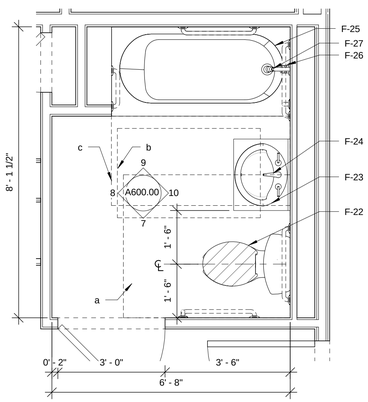
3 Unit Bathroom Type I - Elevation b
1/2" = 1'-0"



4 Unit Bathroom Type I - Elevation c
1/2" = 1'-0"



5 Unit Bathroom Type I - Elevation d
1/2" = 1'-0"



a. W/C Clear Floor Space - Parallel Approach (48"x56")
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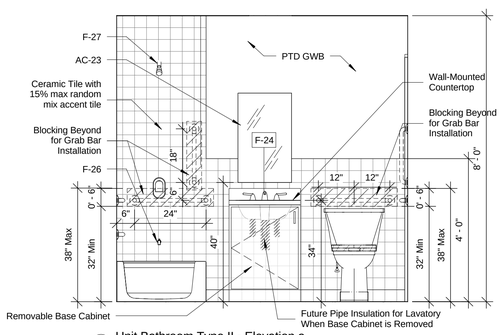
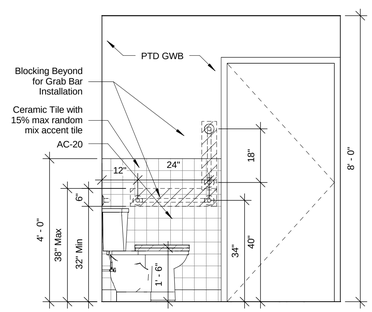
c. Bathtub Clear Floor Space (30" x Length of Tub)

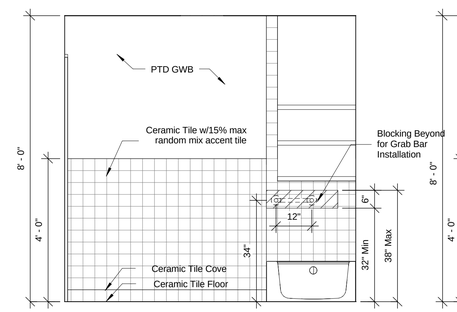
6 Unit Bathroom Type II (Unit 1001, 1002)
1/2" = 1'-0"



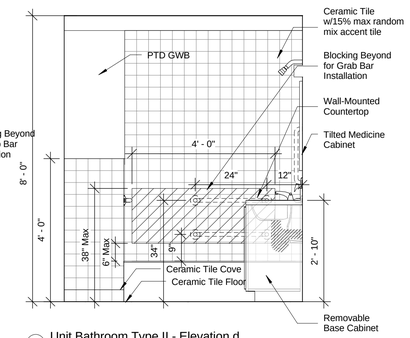
10 Unit Bathroom Type II - Elevation a
1/2" = 1'-0"



7 Unit Bathroom Type II - Elevation b
1/2" = 1'-0"



8 Unit Bathroom Type II - Elevation c
1/2" = 1'-0"



9 Unit Bathroom Type II - Elevation d
1/2" = 1'-0"

Unit Plumbing Fixture Schedule

Type Mark	Manufacturer	Model	Comments
F20	Franke Kindred	LBS7308P-1/3	Kitchenette Sink
F21	American Standard	4275.550	Colony Soft Kitchenette Faucet
F22	American Standard	2886.516	Unit Toilet
F23	American Standard	0419.888	Cadet Oval Unit Countertop Sink
F24	American Standard	3875.509.002	Colony Soft Unit Lavatory Faucet
F25	American Standard	2390.202	Princeton Unit Recess Bathtub
F26	American Standard	T385WDXH.502.002/R120SS	Tropic Unit Tub Faucet
F27	American Standard	2390.202	Colony Soft Unit Showerhead

Unit Plumbing Accessory Schedule

Type Mark	Manufacturer	Model	Description/Comments
AC-20	Daltile	BA777	Toilet Paper Dispenser White Ceramic
AC-21	Daltile	BA725	Recessed Soap Dish White Ceramic
AC-22	American Standard	6721	Robe Hook Polished Chrome
AC-23	BASCO	375P-ATM-W	Tilted Medicine Cabinet ST. STEEL
AC-24	American Specialties	7355	Towel Bar ST. STEEL
AC-25	American Specialties	7355	Toothbrush Holder ST. STEEL
AC-26	American Specialties	3100-50	36" Grab Bar ST. STEEL
AC-27	American Specialties	1214	Curtain Rod ST. STEEL
AC-28	American Specialties	7345	Double Robe Coat Hook ST. STEEL
AC-29	American Specialties	3100-50	24" Grab Bar ST. STEEL
AC-30	American Specialties	3100-50	18" Grab Bar ST. STEEL
AC-31	American Specialties	3100-50	Shower Grab Bar ST. STEEL

Note:
Walls below tubs on demising/exterior walls must be installed with cement board and air sealed.

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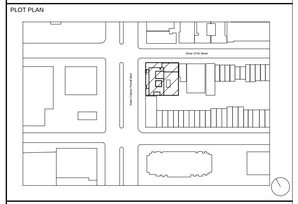
PLOT PLAN



REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

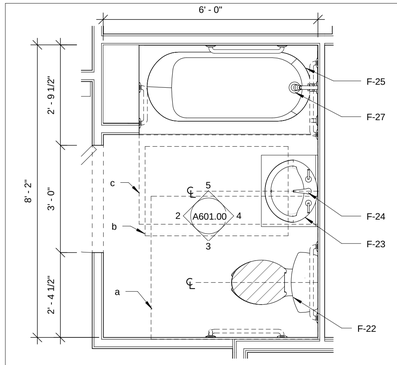
DRAWING TITLE:

UNIT BATHROOM DETAILS I

DRAWING #:

A600.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
1/2" = 1'-0"	SSS	



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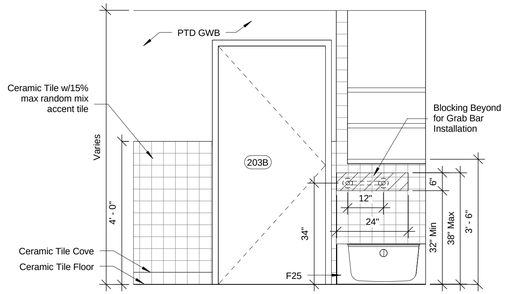
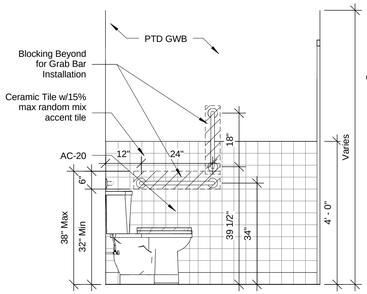
c. Bathtub Clear Floor Space (30" x Length of Tub)

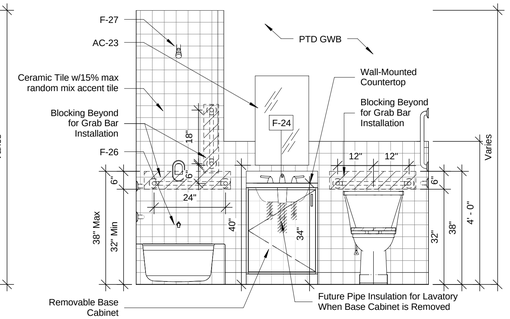
1 UnitBathroomPlan Type III
1/2" = 1'-0"



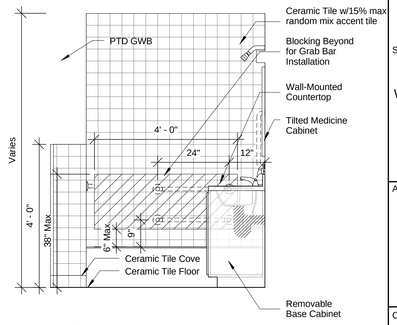
2 UnitBathroomElev. Type III - a
1/2" = 1'-0"



3 UnitBathroomElev. Type III - b
1/2" = 1'-0"



4 UnitBathroomElev. Type III - c
1/2" = 1'-0"



5 UnitBathroomElev. Type III - d
1/2" = 1'-0"

Unit Plumbing Accessory Schedule			
Type Mark	Manufacturer	Model	Description/Comments
AC-20	Daltile	BA777	Toilet Paper Dispenser White Ceramic
AC-21	Daltile	BA725	Recessed Soap Dish White Ceramic
AC-22	American Standard	6721	Robe Hook Polished Chrome
AC-23	BASCO	375P-ATM-W	Tilted Medicine Cabinet ST. STEEL
AC-24	American Specialties	7355	Towel Bar ST. STEEL
AC-25	American Specialties	7355	Toothbrush Holder ST. STEEL
AC-26	American Specialties	3100-50	36" Grab Bar ST. STEEL
AC-27	American Specialties	1214	Curtain Rod ST. STEEL
AC-28	American Specialties	7345	Double Robe Coat Hook ST. STEEL
AC-29	American Specialties	3100-50	24" Grab Bar ST. STEEL
AC-30	American Specialties	3100-50	18" Grab Bar ST. STEEL
AC-31	American Specialties	3100-50	Shower Grab Bar ST. STEEL

Unit Plumbing Fixture Schedule			
Type Mark	Manufacturer	Model	Comments
F20	Franke Kindred	LBS7308P-1/3	Kitchenette Sink
F21	American Standard	4275.550	Colony Soft Kitchenette Faucet
F22	American Standard	2886.516	Unit Toilet
F23	American Standard	0419.888	Cadet Oval Unit Countertop Sink
F24	American Standard	3875.509.002	Colony Soft Unit Lavatory Faucet
F25	American Standard	2390.202	Princeton Unit Recess Bathtub
F26	American Standard	T385WDXH.502.002/R120SS	Tropic Unit Tub Faucet
F27	American Standard	2390.202	Colony Soft Unit Showerhead

Note:
Walls below tubs on demising/exterior walls must be installed with cement board and air sealed.

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SPONSOR:

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ARCHITECT:

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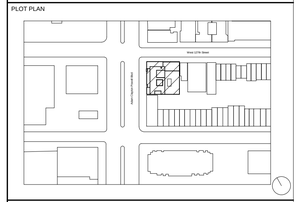
PLOT PLAN



REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

UNIT BATHROOM DETAILS II

DRAWING #:

A601.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
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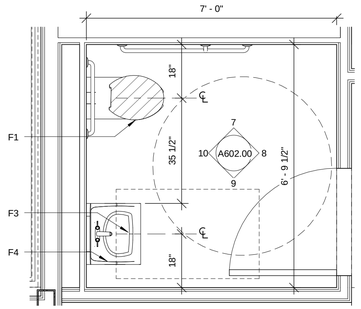
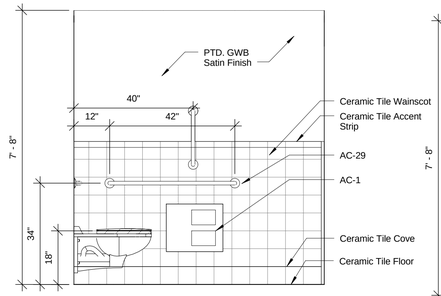
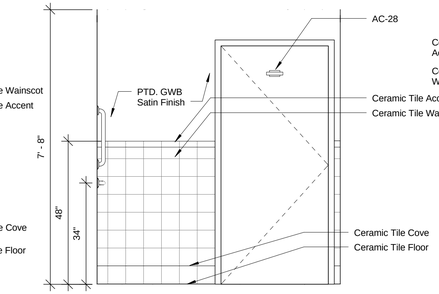


a. W/C Clear Floor Space - Parallel Approach (60" x 56")
b. Lavatory Clear Floor Space - Parallel Approach (30" x 48")

6 PublicBathroomPlan - Unisex - Type I
1/2" = 1'-0"



7 PublicBathroomElev. - Unisex - Type I - a
1/2" = 1'-0"



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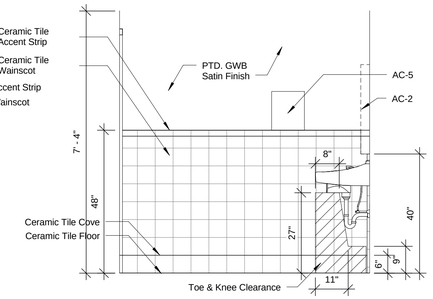

9 PublicBathroomElev. - Unisex - Type I - c
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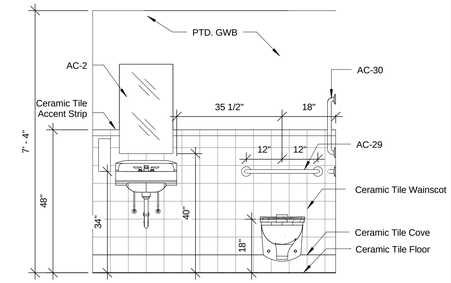
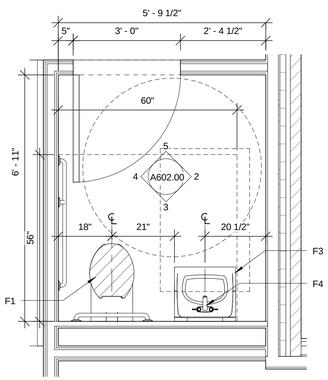
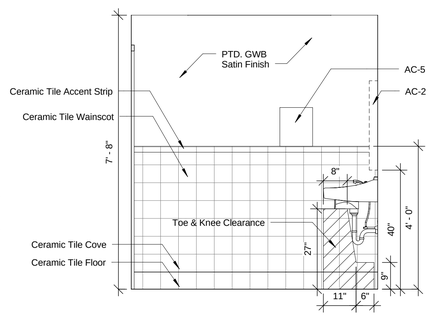


10 PublicBathroomElev. - Unisex - Type I - d
1/2" = 1'-0"



a. W/C Clear Floor Space - Parallel Approach (60" x 56")
b. Lavatory Clear Floor Space - Parallel Approach (30" x 48")

1 PublicBathroomPlan - Unisex - Type II
1/2" = 1'-0"



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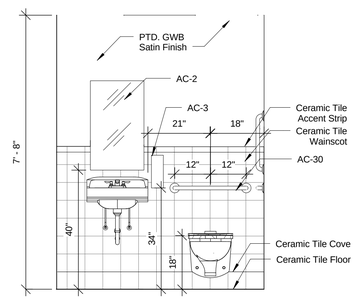
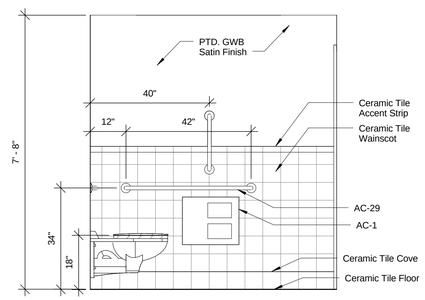
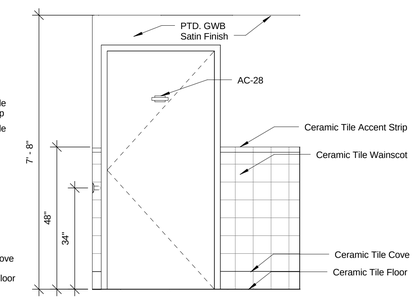
1/2" = 1'-0"



3 PublicBathroomElev. - Unisex - Type II - b
1/2" = 1'-0"



4 PublicBathroomElev. - Unisex - Type II - c
1/2" = 1'-0"



5 PublicBathroomElev. - Unisex - Type II - d
1/2" = 1'-0"

Public Plumbing Fixture Schedule

Type Mark	Manufacturer	Model	Comments
F1	American Standard	3353.101.020	Public Toilet
F2	American Standard	6590.001	Public Urinal
F3	Acorn	4390-048-001MOD	Public Lavatory
F4	Gerber	CO-44-254	Public Lavatory Faucet
F5	Acorn	A151400B	Drinking Fountain
F6	Franke	ALBS6805-1/1	HD Lunch, Exam & Large Conference Room Sink
F7	Franke	D454530	HD Lunch Room Faucet
F8	Gerber	12-910	HD Pantry Sink
F9	Gerber	C4-44-654	HD Pantry Faucet
F21	American Standard	4275.550	HD Exam & Large Conference Room Faucet

Public Bathroom Accessory Schedule

Type Mark	Manufacturer	Model	Description/Comments
AC-1	Bobrick	B-2890	Toilet Paper Dispenser
AC-2	Bobrick	B-293 1836	Fixed-Position Tilted Mirror
AC-3	Bobrick	B-306	Soap Dispenser
AC-4	Bobrick	2188, S-513G	Ceiling Hung Toilet Partition
AC-5	Franke	RODX600	Paper Towel Dispenser
AC-6	Bobrick	B-3644	Waste Receptacle
AC-26	American Specialties	-	42" Grab Bar ST. STEEL
AC-28	American Specialties	7345	Double Robe Coat Hook ST. STEEL
AC-29	American Specialties	-	24" Grab Bar ST. STEEL
AC-30	American Specialties	-	18" Grab Bar ST. STEEL

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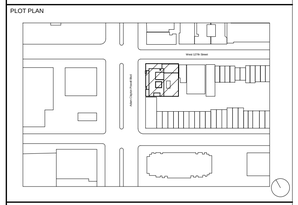
PLOT PLAN



REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

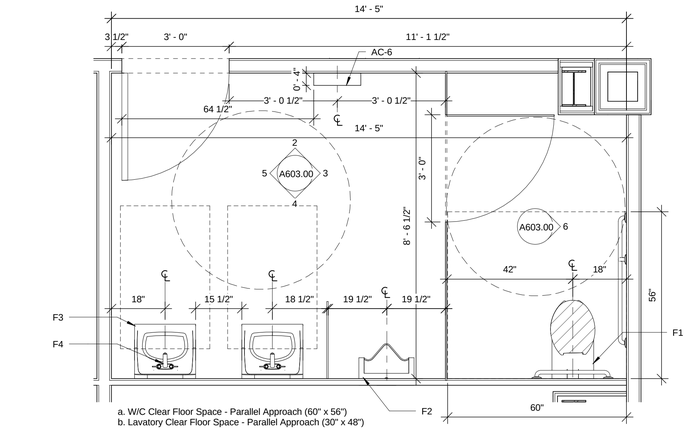
DRAWING TITLE:

PUBLIC BATHROOM DETAILS I

DRAWING #:

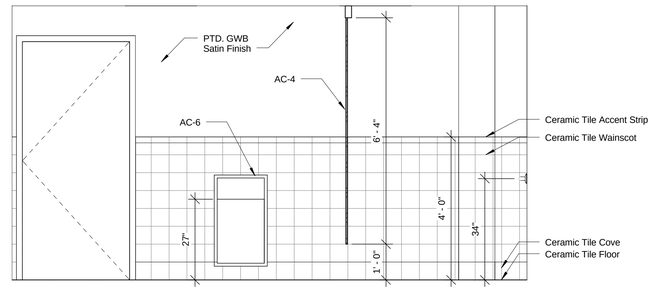
A602.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE: 1/2" = 1'-0"	CHECKED BY: SSS	SHEET:

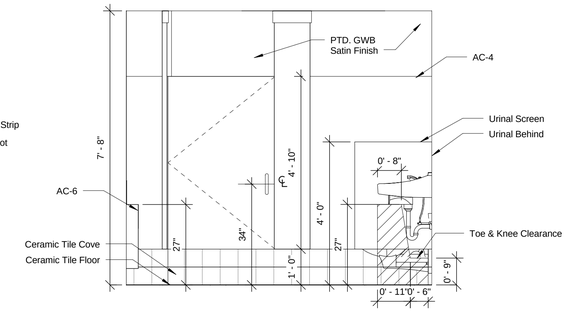


a. W/C Clear Floor Space - Parallel Approach (60" x 56")
b. Lavatory Clear Floor Space - Parallel Approach (30" x 48")

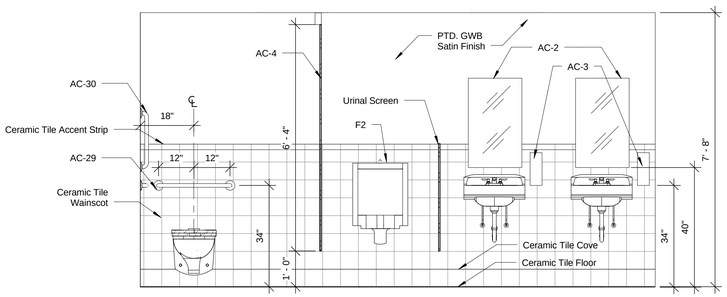
1 Men's Bathroom Plan - Type I
1/2" = 1'-0"



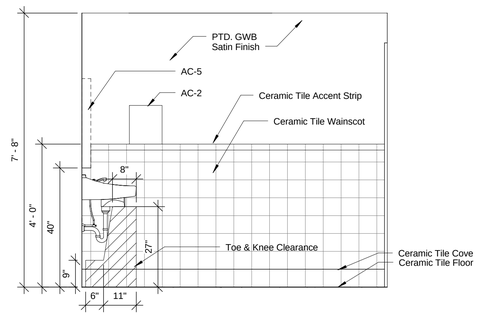
2 Men's Bathroom Elevation
1/2" = 1'-0"



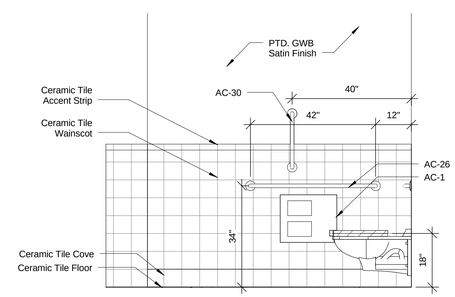
3 Men's Bathroom Elevation
1/2" = 1'-0"



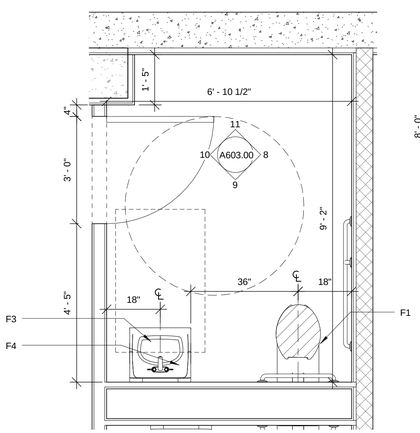
4 Men's Bathroom Elevation
1/2" = 1'-0"



5 Men's Bathroom Elevation
1/2" = 1'-0"



6 Men's Bathroom Elevation
1/2" = 1'-0"



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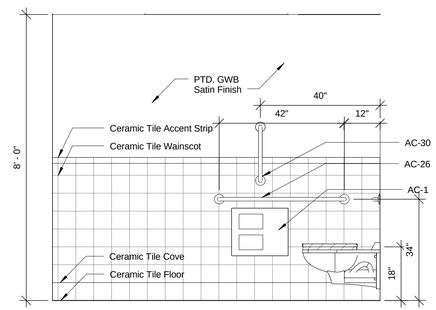
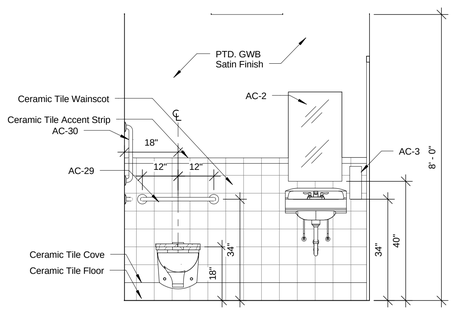
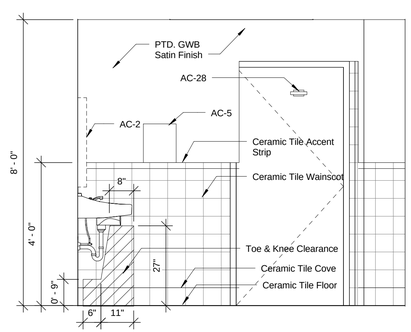
7 Men's Bathroom Plan - Type II
1/2" = 1'-0"



8 Men's Bathroom Elevation
1/2" = 1'-0"



9 Men's Bathroom Elevation
1/2" = 1'-0"



10 Men's Bathroom Elevation
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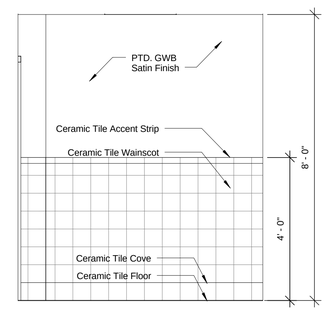

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1/2" = 1'-0"

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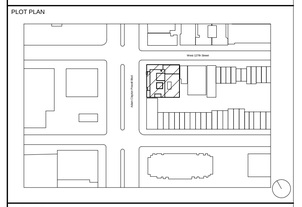
PLOT PLAN



REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

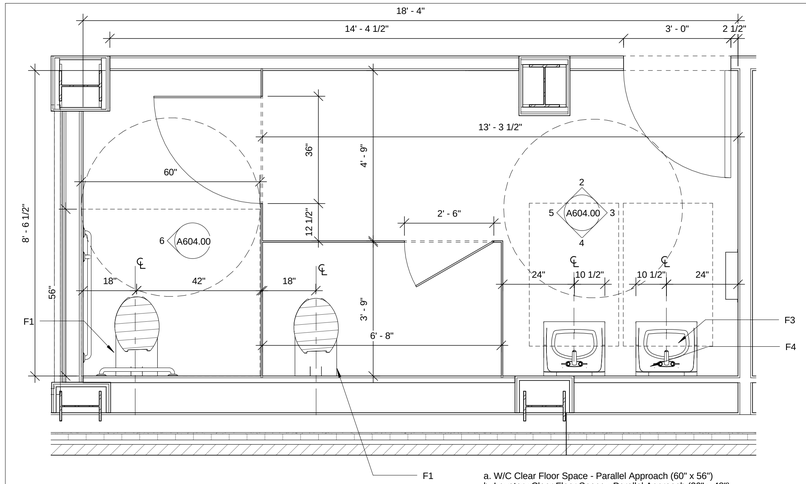
DRAWING TITLE:

PUBLIC BATHROOM DETAILS II

DRAWING #:

A603.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE: 1/2" = 1'-0"	CHECKED BY: SSS	SHEET:



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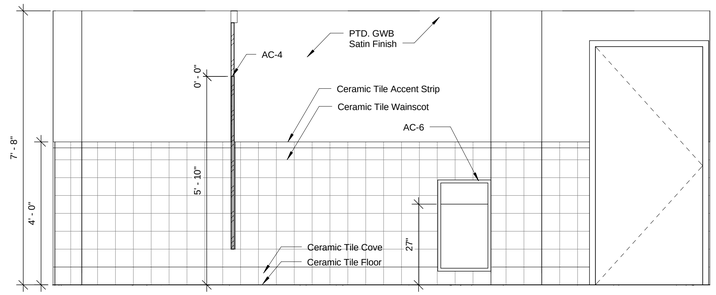
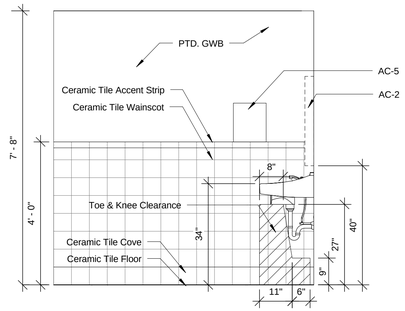
b. Lavatory Clear Floor Space - Parallel Approach (30" x 48")

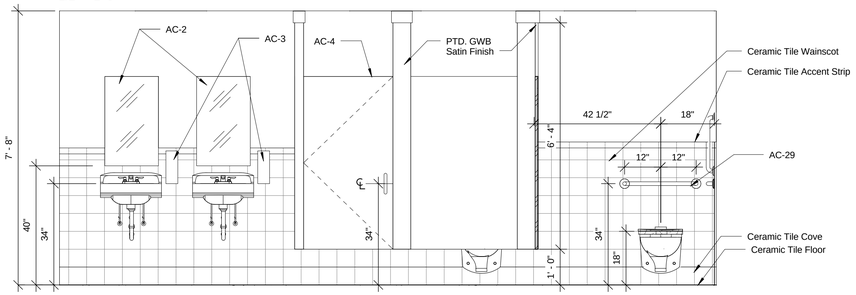
1 Women's Bathroom Plan - Type I
1/2" = 1'-0"



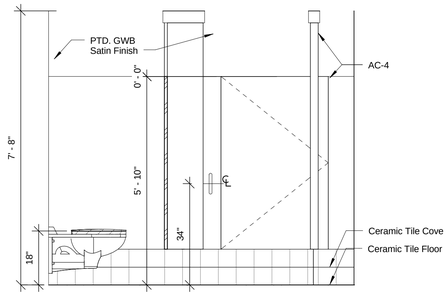
2 Women's Bathroom Elevation
1/2" = 1'-0"



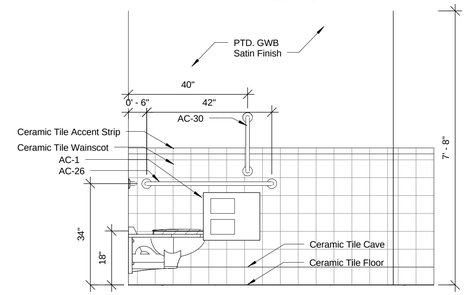
3 Women's Bathroom Elevation
1/2" = 1'-0"



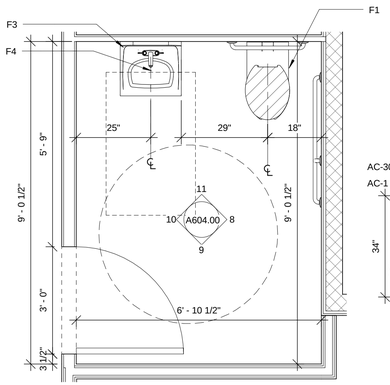
4 Women's Bathroom Elevation
1/2" = 1'-0"



5 Women's Bathroom Elevation
1/2" = 1'-0"



6 Women's Bathroom Elevation
1/2" = 1'-0"



a. W/C Clear Floor Space - Parallel Approach (60" x 56")
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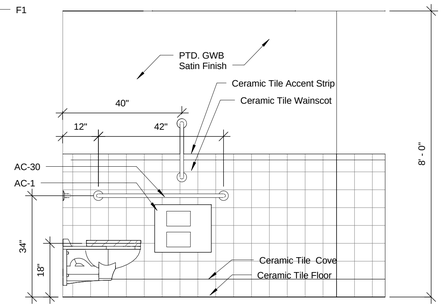
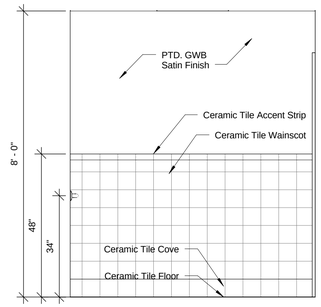
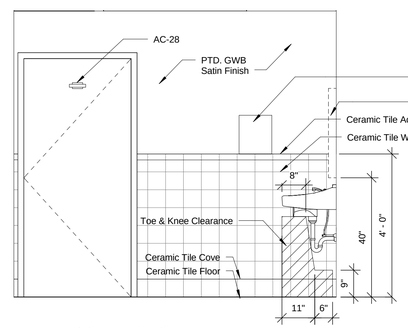
7 Women's Bathroom Plan - Type II
1/2" = 1'-0"



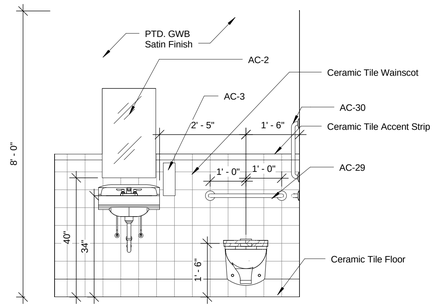
8 Women's Bathroom Elevation
1/2" = 1'-0"



9 Women's Bathroom Elevation
1/2" = 1'-0"



10 Women's Bathroom Elevation
1/2" = 1'-0"



11 Women's Bathroom Elevation
1/2" = 1'-0"

Public Bathroom Accessory Schedule

Type Mark	Manufacturer	Model	Description/Comments
AC-1	Bobrick	B-2890	Toilet Paper Dispenser
AC-2	Bobrick	B-293 1836	Fixed-Position Tilted Mirror
AC-3	Bobrick	B-306	Soap Dispenser
AC-4	Bobrick	2188, S-513G	Ceiling Hung Toilet Partition
AC-5	Franke	RODX600	Paper Towel Dispenser
AC-6	Bobrick	B-3644	Waste Receptacle
AC-26	American Specialties	-	42" Grab Bar ST. STEEL
AC-28	American Specialties	7345	Double Robe Coat Hook ST. STEEL
AC-29	American Specialties	-	24" Grab Bar ST. STEEL
AC-30	American Specialties	-	18" Grab Bar ST. STEEL

Public Plumbing Fixture Schedule

Type Mark	Manufacturer	Model	Comments
F1	American Standard	3353.101.020	Public Toilet
F2	American Standard	6590.001	Public Urinal
F3	Acorn	4390-048-001MOD	Public Lavatory
F4	Gerber	CO-44-254	Public Lavatory Faucet
F5	Acorn	A151400B	Drinking Fountain
F6	Franke	ALBS6805-1/1	HD Lunch, Exam & Large Conference Room Sink
F7	Franke	D454530	HD Lunch Room Faucet
F8	Gerber	12-910	HD Pantry Sink
F9	Gerber	C4-44-654	HD Pantry Faucet
F21	American Standard	4275.550	HD Exam & Large Conference Room Faucet

PROJECT:

A Home for Harlem Dowling
2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling
West Side Center for Children and Family Services

ARCHITECT:

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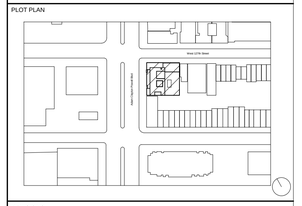
PLOT PLAN



REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

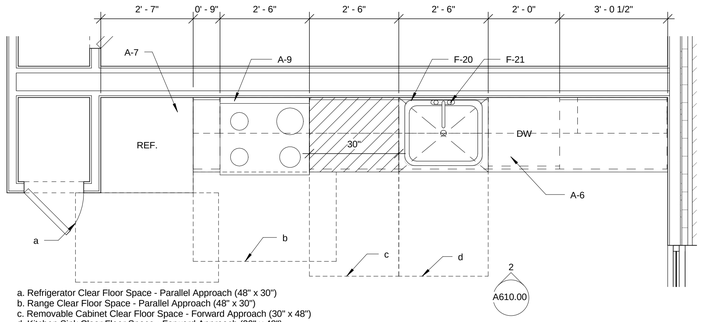
DRAWING TITLE:

PUBLIC BATHROOM DETAILS III

DRAWING #:

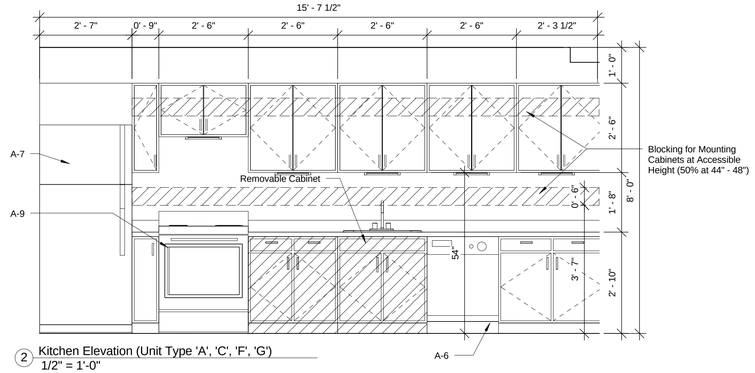
A604.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
1/2" = 1'-0"	SSS	



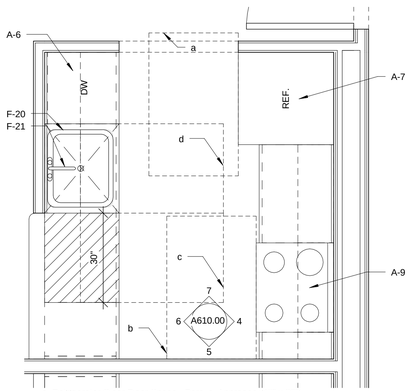
a. Refrigerator Clear Floor Space - Parallel Approach (48" x 30")
b. Range Clear Floor Space - Parallel Approach (48" x 30")
c. Removable Cabinet Clear Floor Space - Forward Approach (30" x 48")
d. Kitchen Sink Clear Floor Space - Forward Approach (30" x 48")

1 Kitchen Type I (Unit Type 'A', 'C', 'F', 'G')
1/2" = 1'-0"



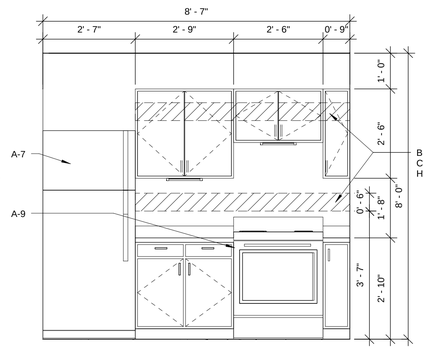
2 Kitchen Elevation (Unit Type 'A', 'C', 'F', 'G')
1/2" = 1'-0"

Unit Plumbing Fixture Schedule			
Type Mark	Manufacturer	Model	Comments
F20	Franke Kindred	LBS7308P-1/3	Kitchenette Sink
F21	American Standard	4275.550	Colony Soft Kitchenette Faucet
F22	American Standard	2886.516	Unit Toilet
F23	American Standard	0419.888	Cadet Oval Unit Countertop Sink
F24	American Standard	3875.509.002	Colony Soft Unit Lavatory Faucet
F25	American Standard	2390.202	Princeton Unit Recess Bathtub
F26	American Standard	T385WDXH.502.002/R120SS	Tropic Unit Tub Faucet
F27	American Standard	2390.202	Colony Soft Unit Showerhead

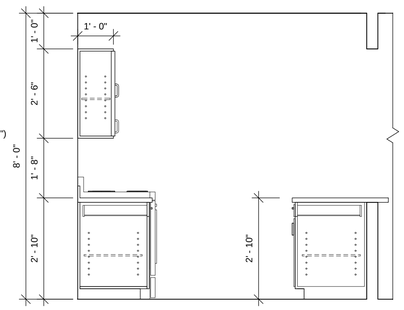


a. Refrigerator Clear Floor Space - Parallel Approach (48" x 30")
b. Range Clear Floor Space - Parallel Approach (48" x 30")
c. Removable Cabinet Clear Floor Space - Forward Approach (30" x 48")
d. Kitchen Sink Clear Floor Space - Forward Approach (30" x 48")

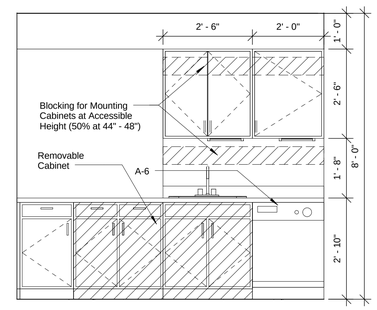
3 Kitchen Type II (Unit Type 'B')
1/2" = 1'-0"



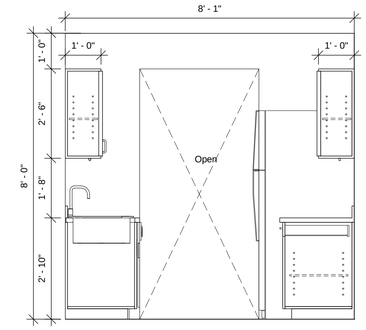
4 Kitchen Elevation (Unit Type 'B') - a
1/2" = 1'-0"



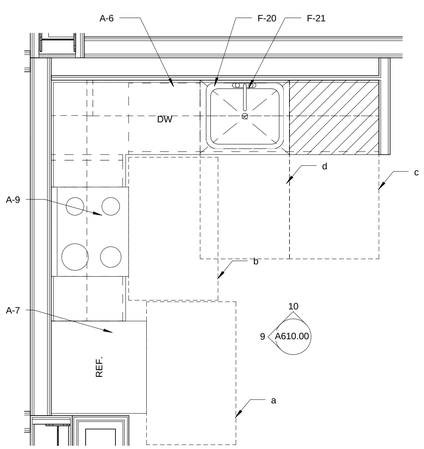
5 Kitchen Elevation (Unit Type 'B') - b
1/2" = 1'-0"



6 Kitchen Elevation (Unit Type 'B') - c
1/2" = 1'-0"

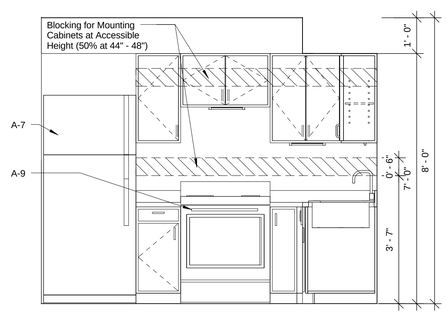


7 Kitchen Elevation (Unit Type 'B') - d
1/2" = 1'-0"

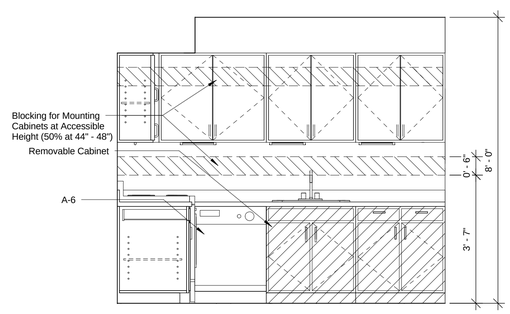


a. Refrigerator Clear Floor Space - Parallel Approach (48" x 30")
b. Range Clear Floor Space - Parallel Approach (48" x 30")
c. Removable Cabinet Clear Floor Space - Forward Approach (30" x 48")
d. Kitchen Sink Clear Floor Space - Forward Approach (30" x 48")

8 Kitchen Type III (Unit Type 'D')
1/2" = 1'-0"



9 Kitchen Elevation (Unit Type 'D') - a
1/2" = 1'-0"



10 Kitchen Elevation (Unit Type 'D') - b
1/2" = 1'-0"

Kitchen Appliance Schedule			
Type Mark	Manufacturer	Model	Comments
A-1	General Electric	PDW1800/60N	18" Dishwasher
A-2	General Electric	GML04GAE	Compact Refrigerator
A-3	General Electric	GTZ21GBE	Top-Freezer Refrigerator
A-4	General Electric	GLDA690FWW	24" Dishwasher
A-5	General Electric	AVM4160DFWS-BS	Over-the-Range Microwave
A-6	Avanti	DWE1800W	Built-In Dishwasher
A-7	General Electric	GTH18IBD	Top-Freezer Refrigerator
A-8	General Electric	GTS16DBE	Top-Freezer Refrigerator
A-9	General Electric	JB450DF	Free-Standing Electric Range
A-9.5 ALT	General Electric	JDS28DN	Drop-In Electric Range

PROJECT:

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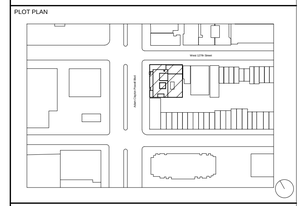
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

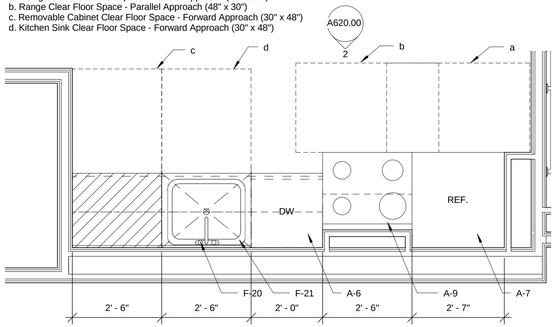
KITCHEN DETAILS I

DRAWING #:

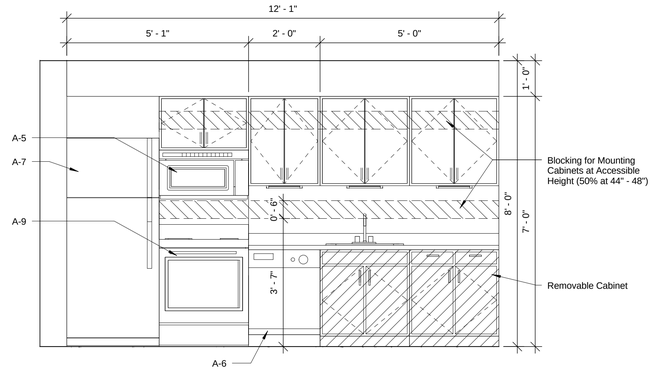
A610.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
1/2" = 1'-0"	SSS	

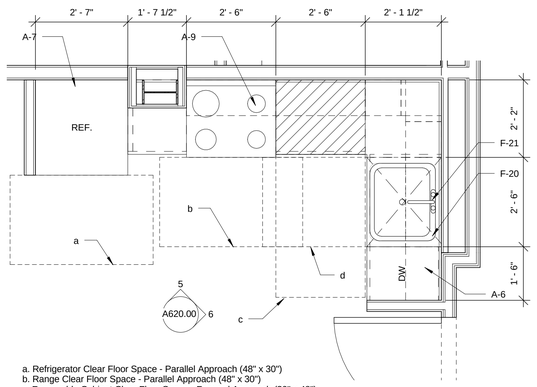
a. Refrigerator Clear Floor Space - Parallel Approach (48" x 30")
b. Range Clear Floor Space - Parallel Approach (48" x 30")
c. Removable Cabinet Clear Floor Space - Forward Approach (30" x 48")
d. Kitchen Sink Clear Floor Space - Forward Approach (30" x 48")



1 Kitchen Type IV (Unit Type 'E')
1/2" = 1'-0"

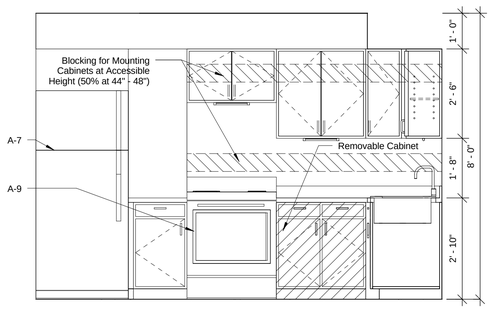


2 Kitchen Elevation (Unit Type 'E') - a
1/2" = 1'-0"

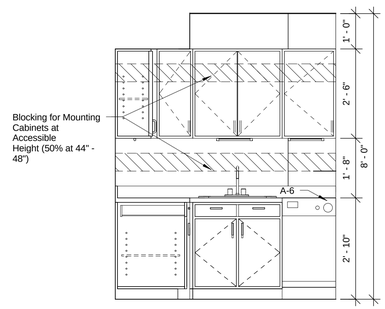


a. Refrigerator Clear Floor Space - Parallel Approach (48" x 30")
b. Range Clear Floor Space - Parallel Approach (48" x 30")
c. Removable Cabinet Clear Floor Space - Forward Approach (30" x 48")
d. Kitchen Sink Clear Floor Space - Forward Approach (30" x 48")

4 Kitchen Type V (Unit Type 'H')
1/2" = 1'-0"

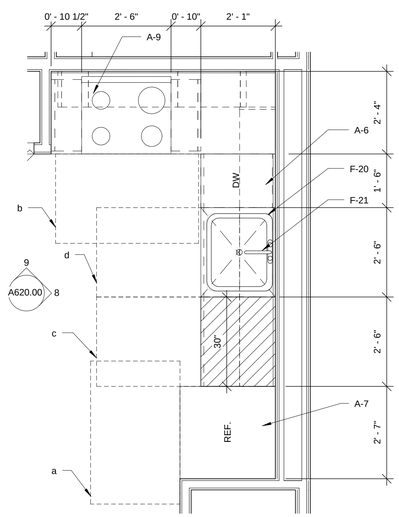


5 Kitchen Elevation (Unit Type 'H') - c
1/2" = 1'-0"

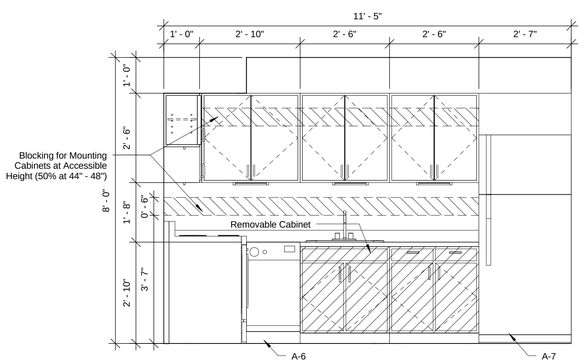


6 Kitchen Elevation (Unit Type 'H') - d
1/2" = 1'-0"

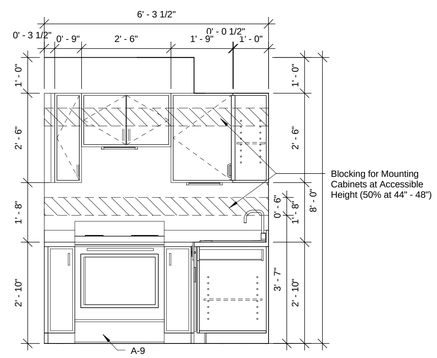
a. Refrigerator Clear Floor Space - Parallel Approach (48" x 30")
b. Range Clear Floor Space - Parallel Approach (48" x 30")
c. Removable Cabinet Clear Floor Space - Forward Approach (30" x 48")
d. Kitchen Sink Clear Floor Space - Forward Approach (30" x 48")



7 Kitchen Type VI (Unit Type 'J', 'K')
1/2" = 1'-0"



8 Kitchen Elevation (Unit Type 'J', 'K') - a
1/2" = 1'-0"



9 Kitchen Elevation (Unit Type 'J', 'K') - d
1/2" = 1'-0"

Unit Plumbing Fixture Schedule

Type Mark	Manufacturer	Model	Comments
F20	Franke Kindred	LBS7308P-1/3	Kitchenette Sink
F21	American Standard	4275.550	Colony Soft Kitchenette Faucet
F22	American Standard	2886.516	Unit Toilet
F23	American Standard	0419.888	Cadet Oval Unit Countertop Sink
F24	American Standard	3875.509.002	Colony Soft Unit Lavatory Faucet
F25	American Standard	2390.202	Princeton Unit Recess Bathtub
F26	American Standard	T385WDXH.502.002/R120SS	Tropic Unit Tub Faucet
F27	American Standard	2390.202	Colony Soft Unit Showerhead

Kitchen Appliance Schedule

Type Mark	Manufacturer	Model	Comments
A-1	General Electric	PDW1800/60N	18" Dishwasher
A-2	General Electric	GML04GAE	Compact Refrigerator
A-3	General Electric	GTZ21GBE	Top-Freezer Refrigerator
A-4	General Electric	GLDA690FWW	24" Dishwasher
A-5	General Electric	AVM4160DFWS-BS	Over-the-Range Microwave
A-6	Avanti	DWE1800W	Built-In Dishwasher
A-7	General Electric	GTH18IBD	Top-Freezer Refrigerator
A-8	General Electric	GTS16DBE	Top-Freezer Refrigerator
A-9	General Electric	JB450DF	Free-Standing Electric Range
A-9.5 ALT	General Electric	JDS28DN	Drop-In Electric Range

PROJECT:

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PLOT PLAN

REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

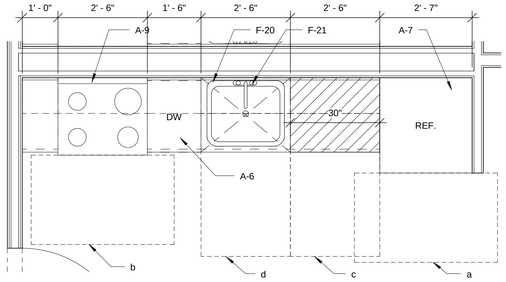
DRAWING TITLE:

KITCHEN DETAILS II

DRAWING #:

A620.00

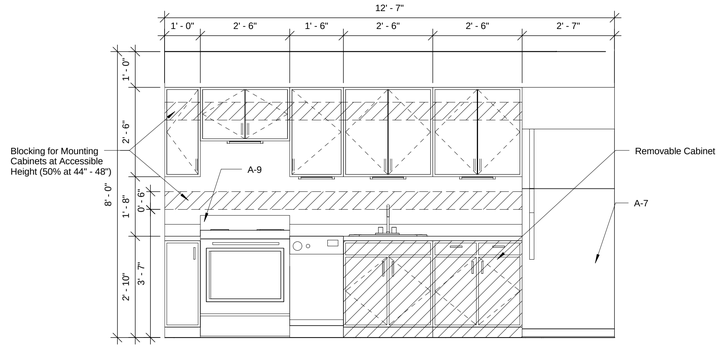
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE: 1/2" = 1'-0"	CHECKED BY: SSS	SHEET:



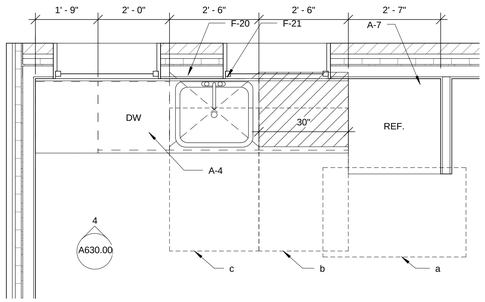
a. Refrigerator Clear Floor Space - Parallel Approach (48" x 30")
b. Range Clear Floor Space - Parallel Approach (48" x 30")
c. Removable Cabinet Clear Floor Space - Forward Approach (30" x 48")
d. Kitchen Sink Clear Floor Space - Forward Approach (30" x 48")

2
A630.00

1 Kitchen Type VII (Unit Type 'L', 'M')
1/2" = 1'-0"

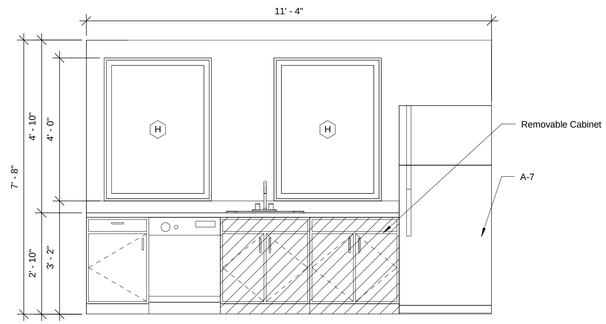


2 Kitchen Elevation (Unit Type 'L', 'M')
1/2" = 1'-0"



a. Refrigerator Clear Floor Space - Parallel Approach (48" x 30")
b. Removable Cabinet Clear Floor Space - Forward Approach (30" x 48")
c. Kitchen Sink Clear Floor Space - Forward Approach (30" x 48")

3 Kitchen Type VIII (Resident's Lounge)
1/2" = 1'-0"



4 KitchenElev. Lounge
1/2" = 1'-0"

Kitchen Appliance Schedule

Type Mark	Manufacturer	Model	Comments
A-1	General Electric	PDW1800/60N	18" Dishwasher
A-2	General Electric	GML04GAE	Compact Refrigerator
A-3	General Electric	GTZ21GBE	Top-Freezer Refrigerator
A-4	General Electric	GLDA690FWW	24" Dishwasher
A-5	General Electric	AVM4160DFWS-BS	Over-the-Range Microwave
A-6	Avanti	DWE1800W	Built-In Dishwasher
A-7	General Electric	GTH18IBD	Top-Freezer Refrigerator
A-8	General Electric	GTS16DBE	Top-Freezer Refrigerator
A-9	General Electric	JB450DF	Free-Standing Electric Range
A-9.5 ALT	General Electric	JDS28DN	Drop-In Electric Range

Unit Plumbing Fixture Schedule

Type Mark	Manufacturer	Model	Comments
F20	Franke Kindred	LBS7308P-1/3	Kitchenette Sink
F21	American Standard	4275.550	Colony Soft Kitchenette Faucet
F22	American Standard	2886.516	Unit Toilet
F23	American Standard	0419.888	Cadet Oval Unit Countertop Sink
F24	American Standard	3875.509.002	Colony Soft Unit Lavatory Faucet
F25	American Standard	2390.202	Princeton Unit Recess Bathtub
F26	American Standard	T385WDXH.502.002/R120SS	Tropic Unit Tub Faucet
F27	American Standard	2390.202	Colony Soft Unit Showerhead

PROJECT:

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SPONSOR:

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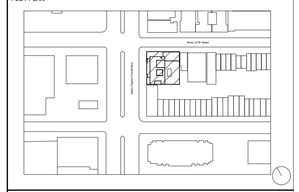
PLOT PLAN



REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

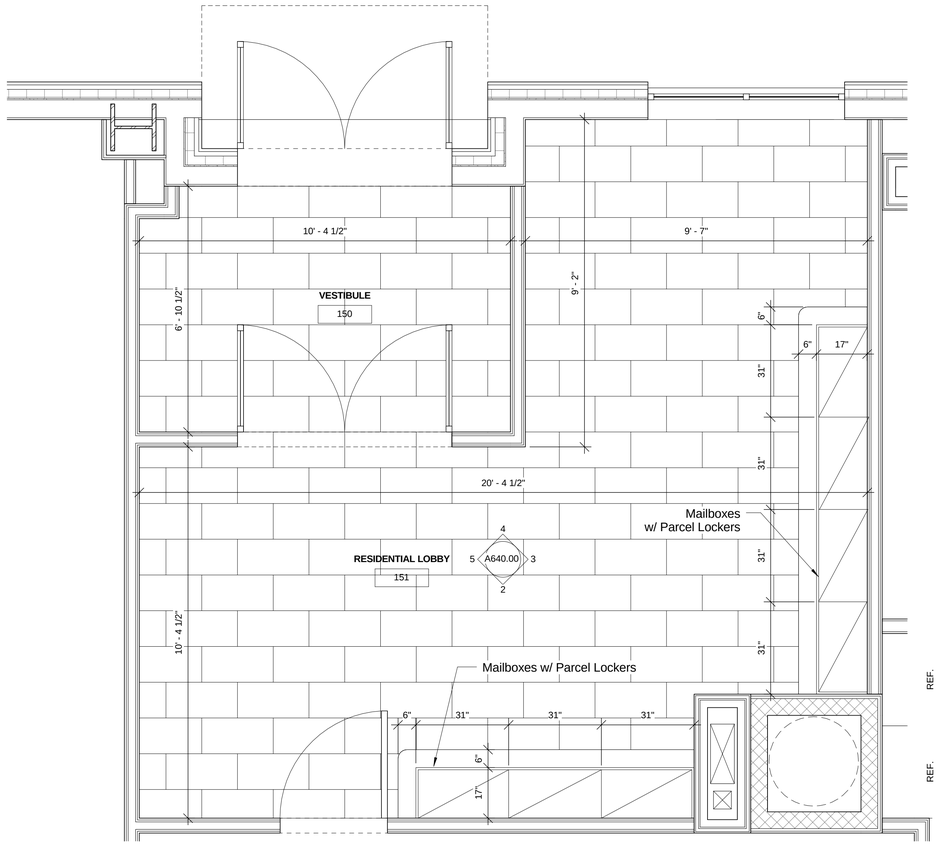
DRAWING TITLE:

KITCHEN DETAILS III

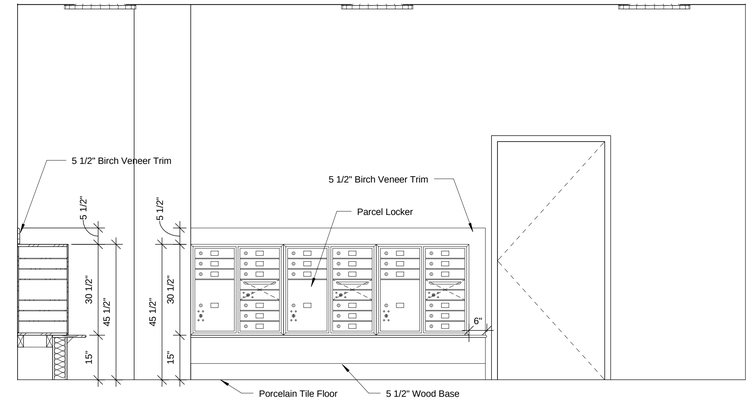
DRAWING #:

A630.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
1/2" = 1'-0"	SSS	



1 Lobby Plan
1/2" = 1'-0"



2 Interior Elevation
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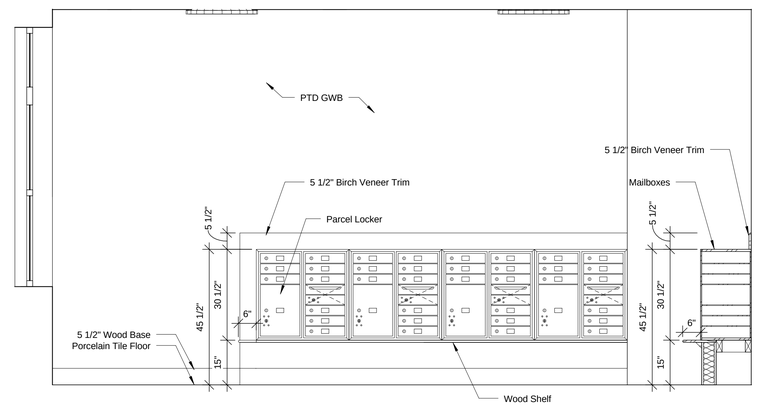

3 Lobby Elev. - d
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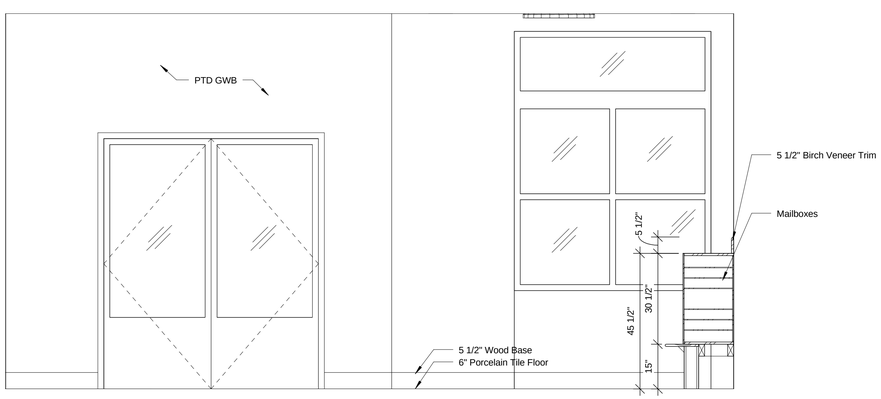
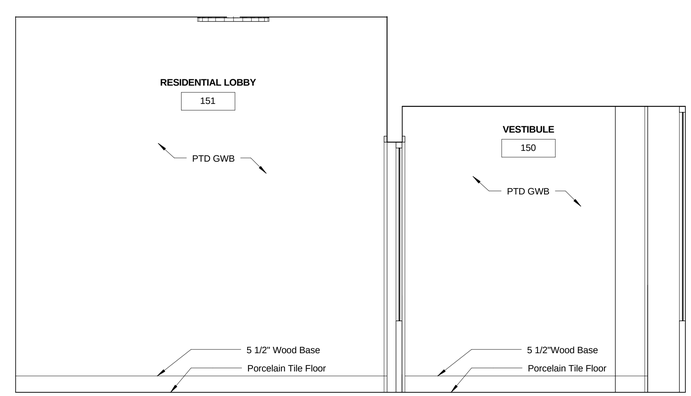


4 Lobby Elev. - c
1/2" = 1'-0"



5 Lobby Elev. - b
1/2" = 1'-0"

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling

West Side Center for Children and Family Services

ARCHITECT:

THE OFFICE OF
SAMIR S. SHAH, ARCHITECT
URBAN | QUOTIENT
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MEP Engineers:

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New York, NY 10007
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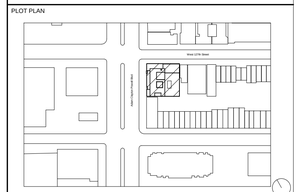
PLOT PLAN



REVISIONS:

BUILDING DEPARTMENT #:

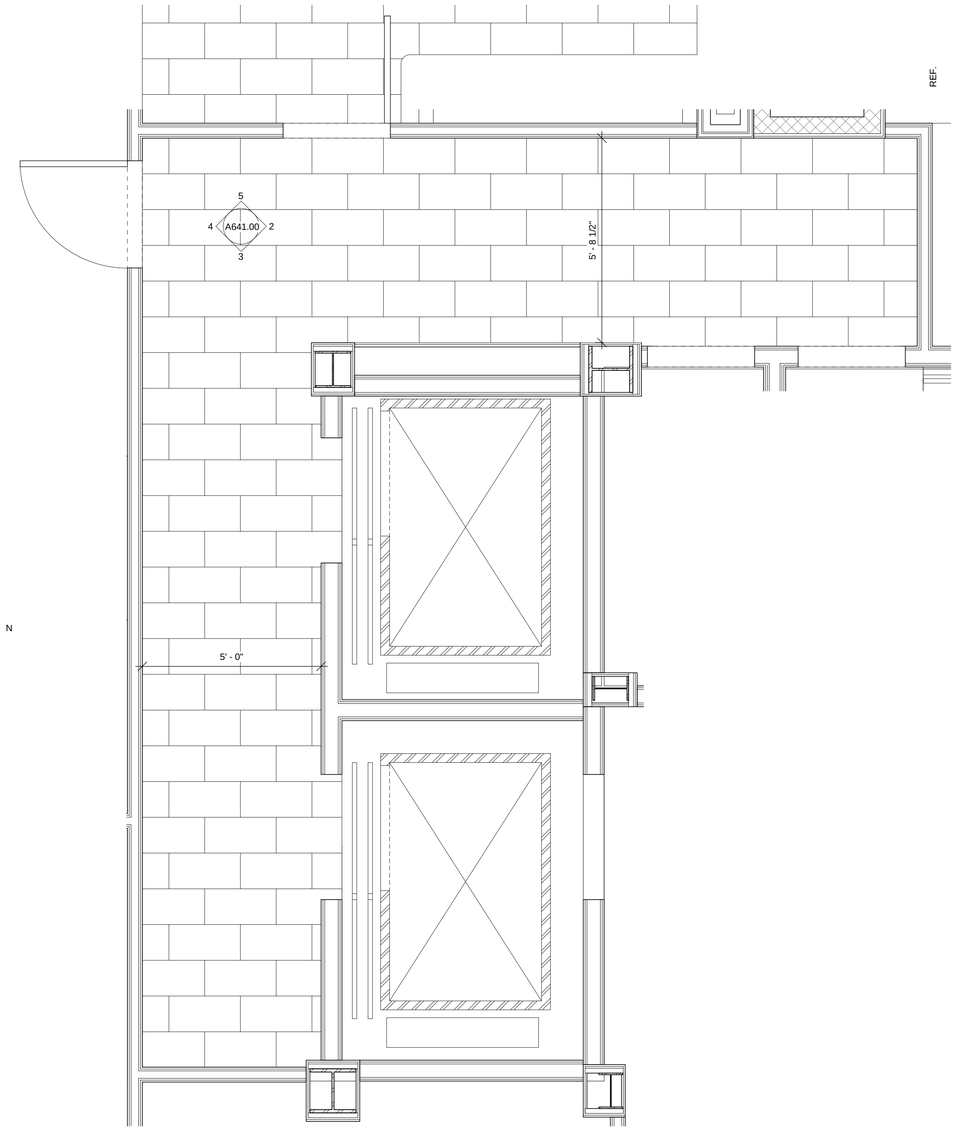
DRAWING TITLE:

LOBBY PLAN & ELEVATIONS

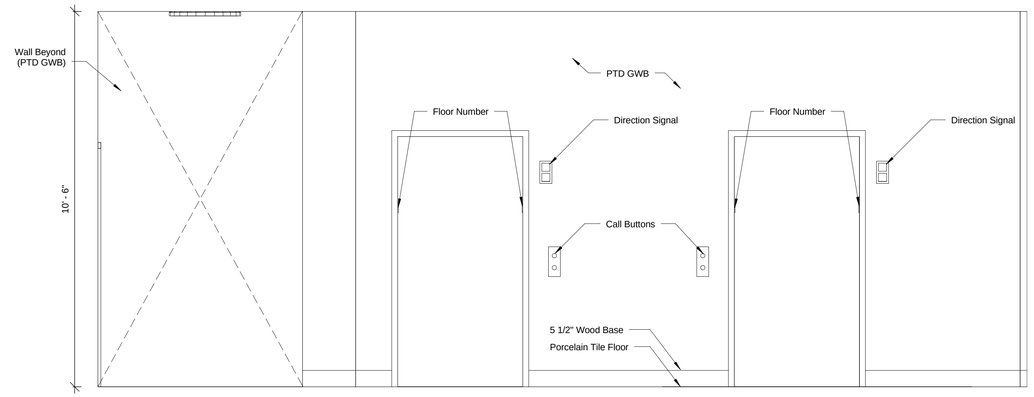
DRAWING #:

A640.00

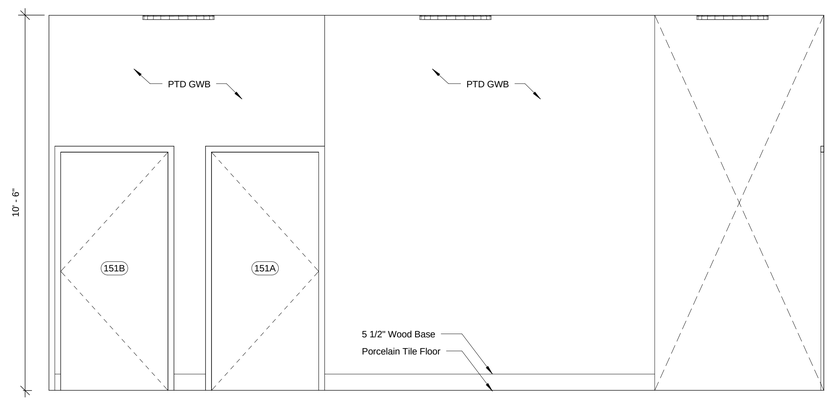
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
1/2" = 1'-0"	SSS	



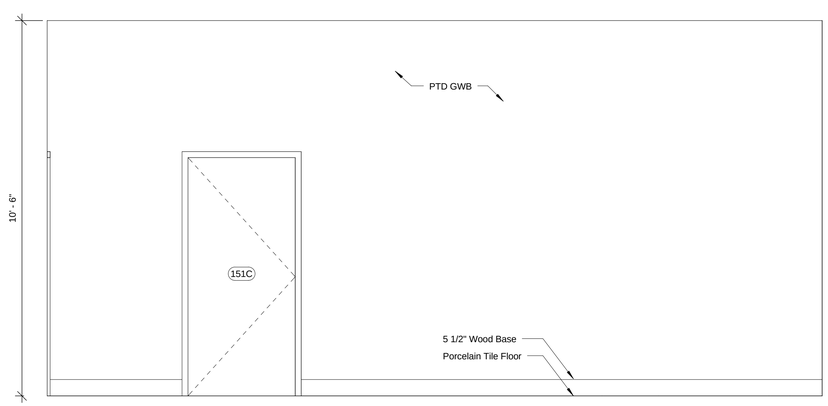
1 Shared Lobby Plan
1/2" = 1'-0"



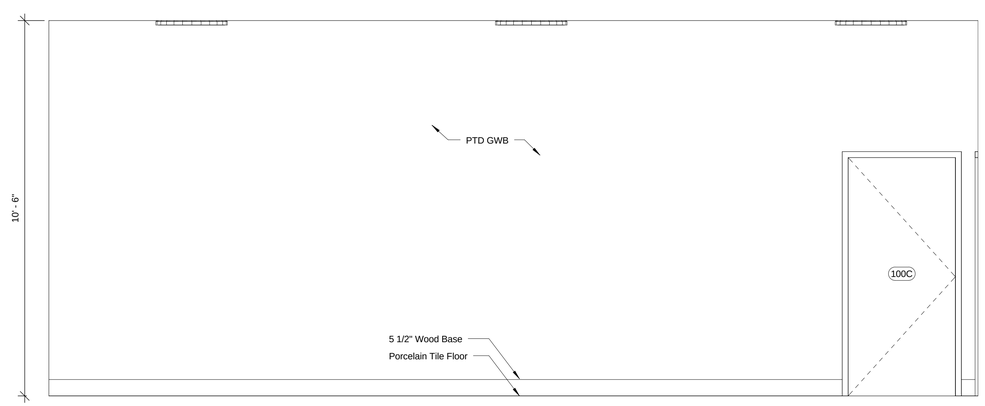
2 Shared Lobby Elev. -a
1/2" = 1'-0"



3 Shared Lobby Elev. -b
1/2" = 1'-0"



5 Shared Lobby Elev. -d
1/2" = 1'-0"



4 Shared Lobby Elev. -c
1/2" = 1'-0"

PROJECT:

A Home for Harlem Dowling

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SPONSOR:

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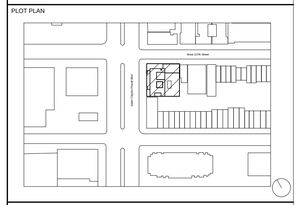
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

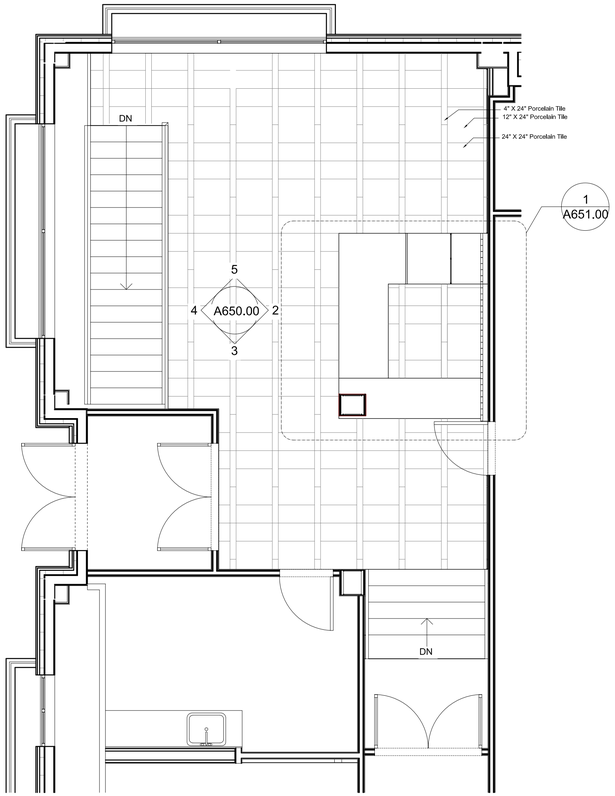
DRAWING TITLE:

SHARED LOBBY PLAN & ELEVATIONS

DRAWING #:

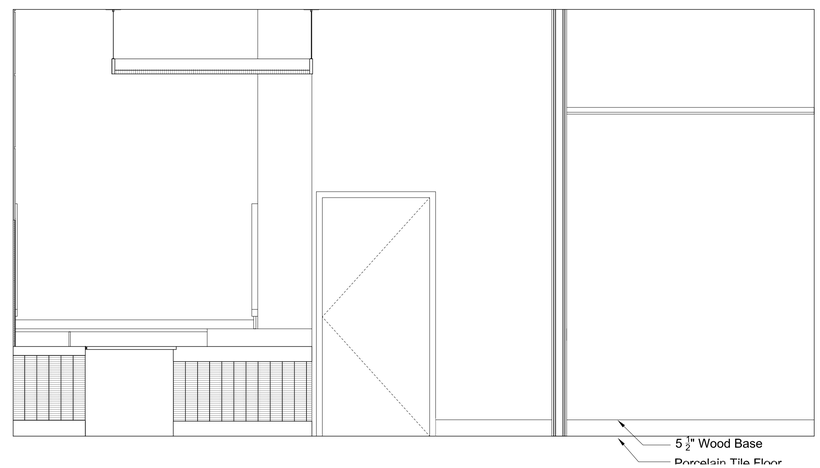
A641.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
1/2" = 1'-0"	SSS	

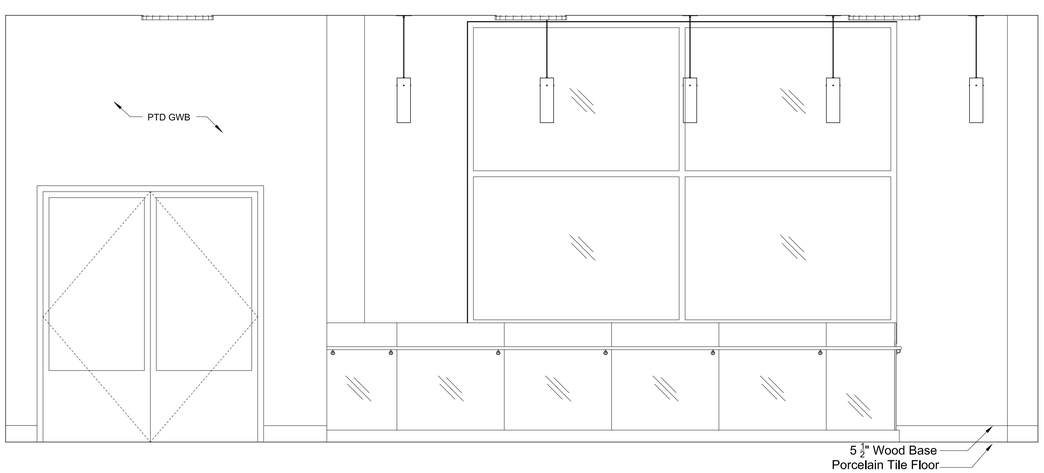


1 HD Lobby Desk Plan
1/4"= 1'-0"

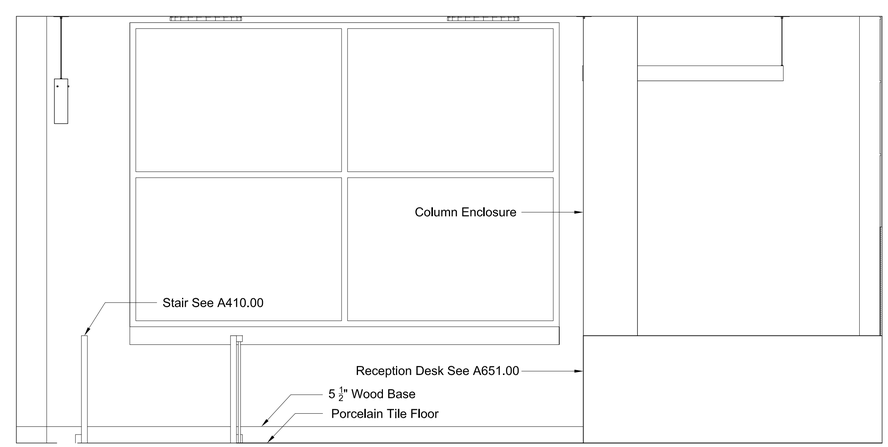
2 Front Elevation
1/2"= 1'-0"



3 Right Elevation
1/2"= 1'-0"



4 Elevation
1/2"= 1'-0"



5 Left Elevation
1/2"= 1'-0"

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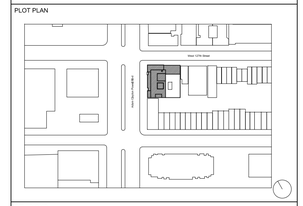
PLOT PLAN



REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

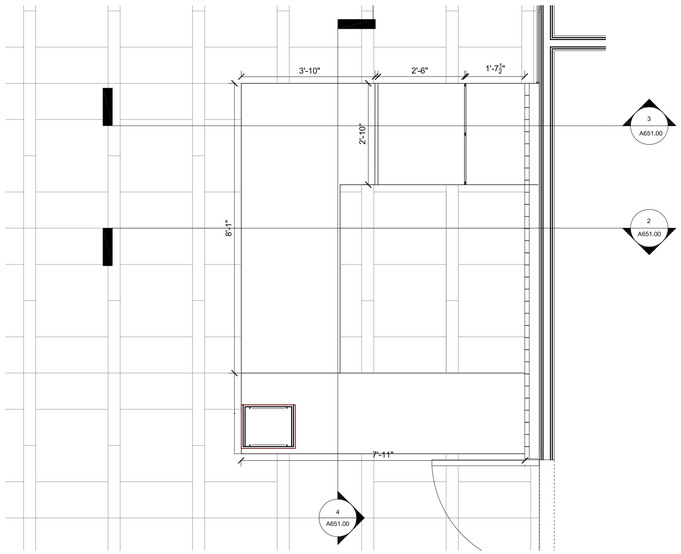
DRAWING TITLE:

HD Lobby Plan & Elevations

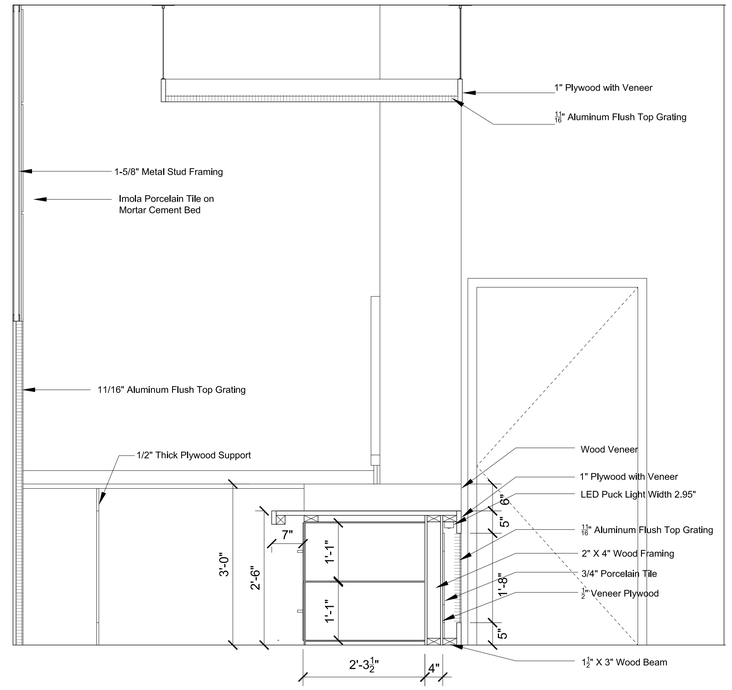
DRAWING #:

A650.00

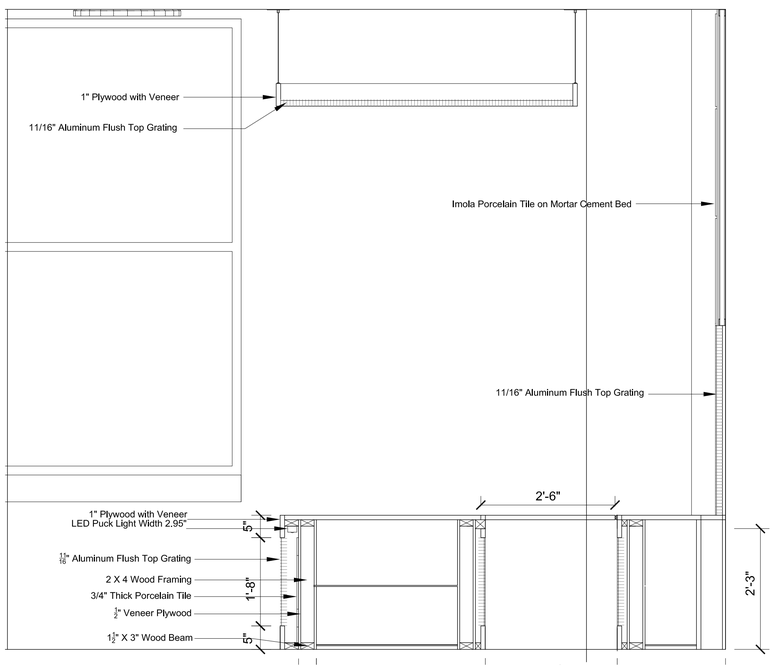
DATE:	DRAWN BY:	JOB #:
06/19/2014	SSS/TZ	10.01
SHEET SCALE:	CHECKED BY:	SHEET:
	SSS	



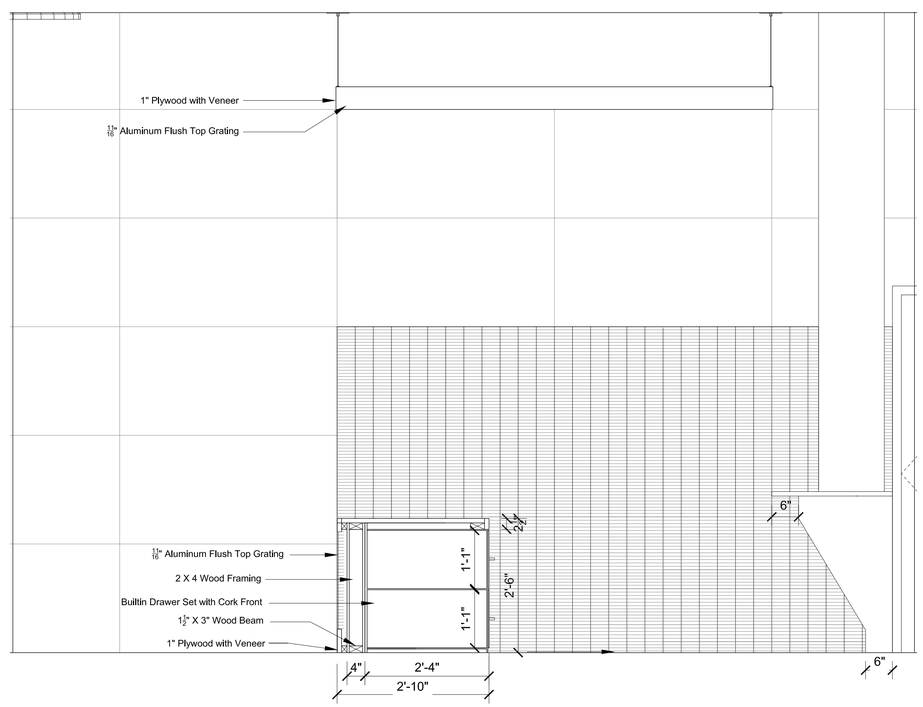
1 HD Lobby Desk Plan
1/2"= 1'-0"



2 Section through Desk
3/4"= 1'-0"



3 Cross Section through Desk
3/4"= 1'-0"



4 Section through Counter
3/4"= 1'-0"

PROJECT:

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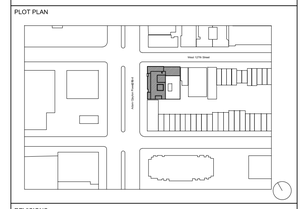
PLOT PLAN



REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

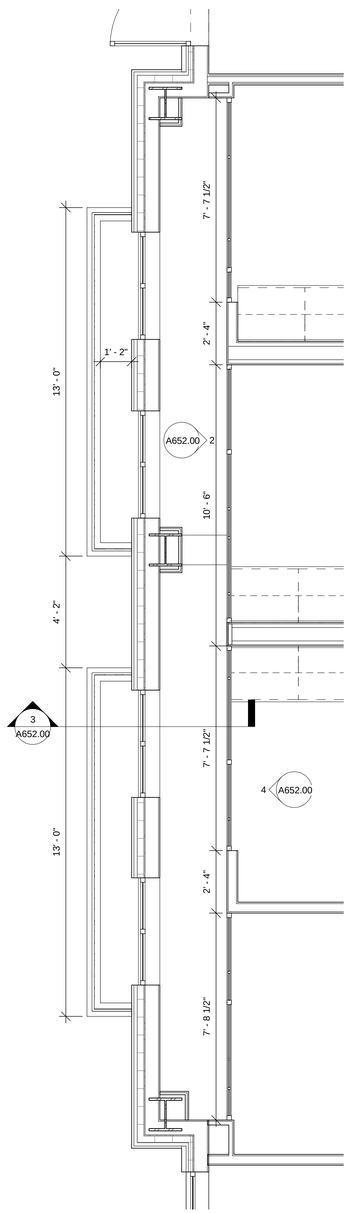
DRAWING TITLE:

HD Lobby Desk
Sections & Details

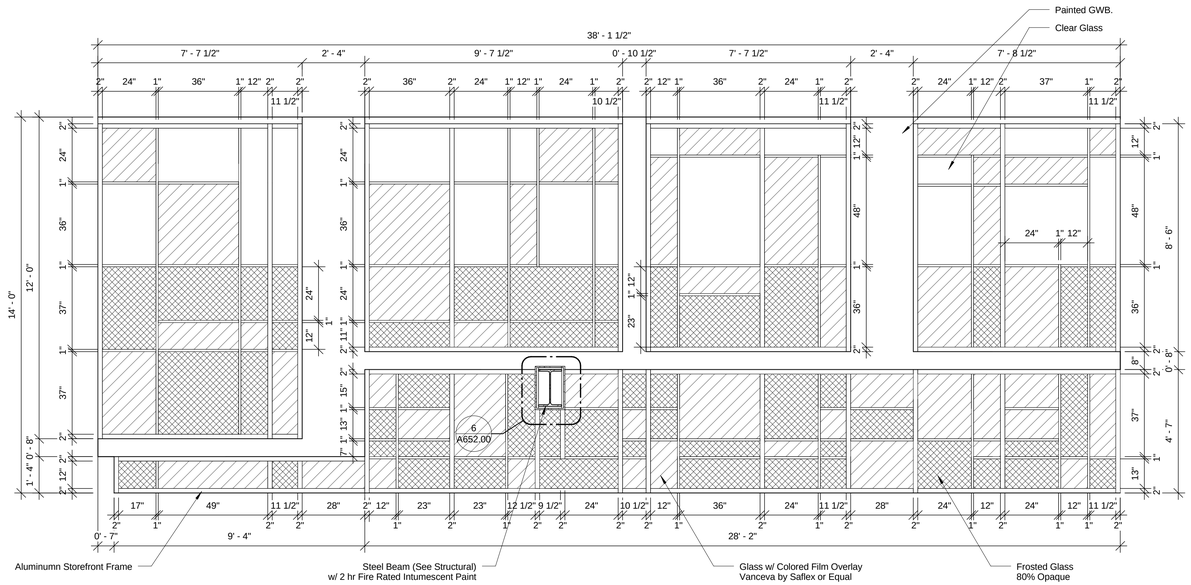
DRAWING #:

A651.00

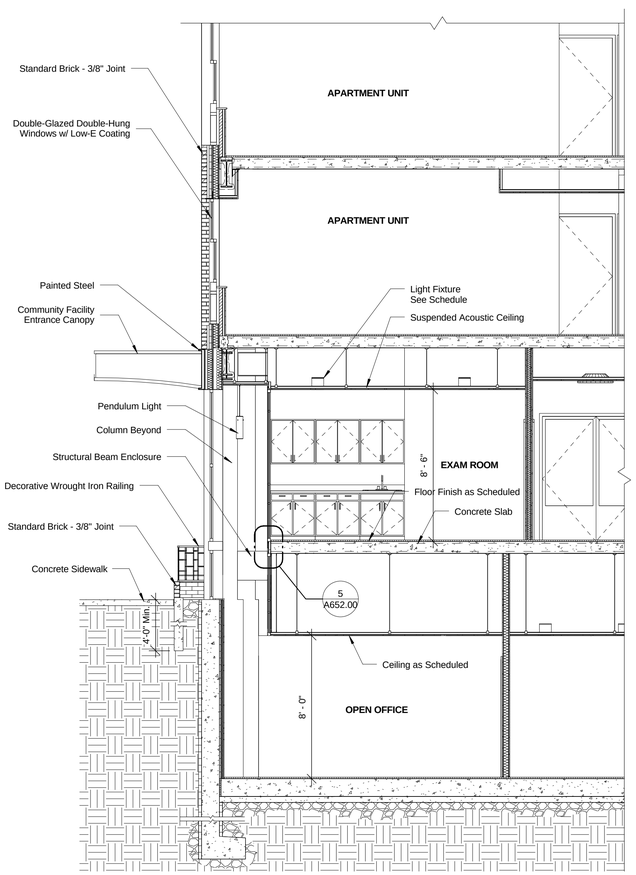
DATE:	DRAWN BY:	JOB #:
06/19/2014	SSS/MR	10.01
SHEET SCALE:	CHECKED BY:	SHEET:
	SSS	



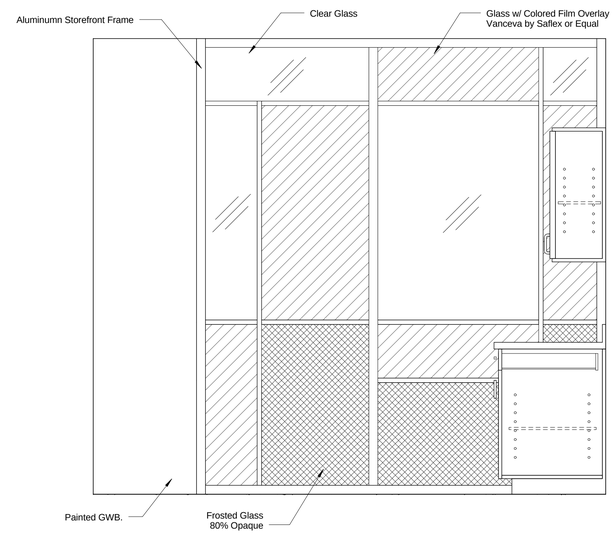
1 Double Facade Floor Plan
3/8" = 1'-0"



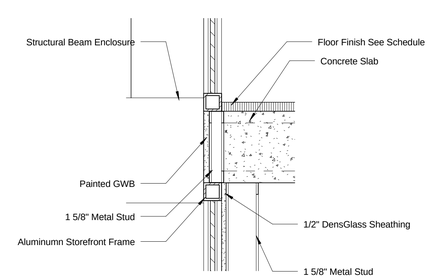
2 Double Facade Elev. - a
3/8" = 1'-0"



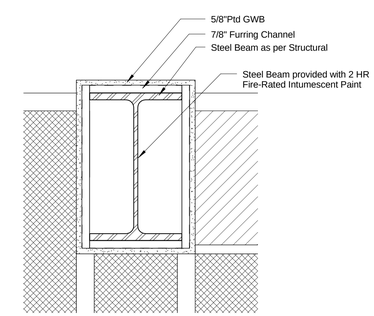
3 Double Facade Section
1/4" = 1'-0"



4 Exam Room 112 Interior Elevation
3/4" = 1'-0"



5 Double Facade Detail_1
1 1/2" = 1'-0"



6 Double Facade Elev. - Detail
1 1/2" = 1'-0"

PROJECT:

A Home for Harlem Dowling

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New York, NY 10027

SPONSOR:

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West Side Center for Children and Family Services

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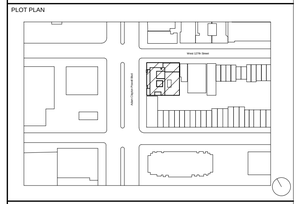
PLOT PLAN:



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

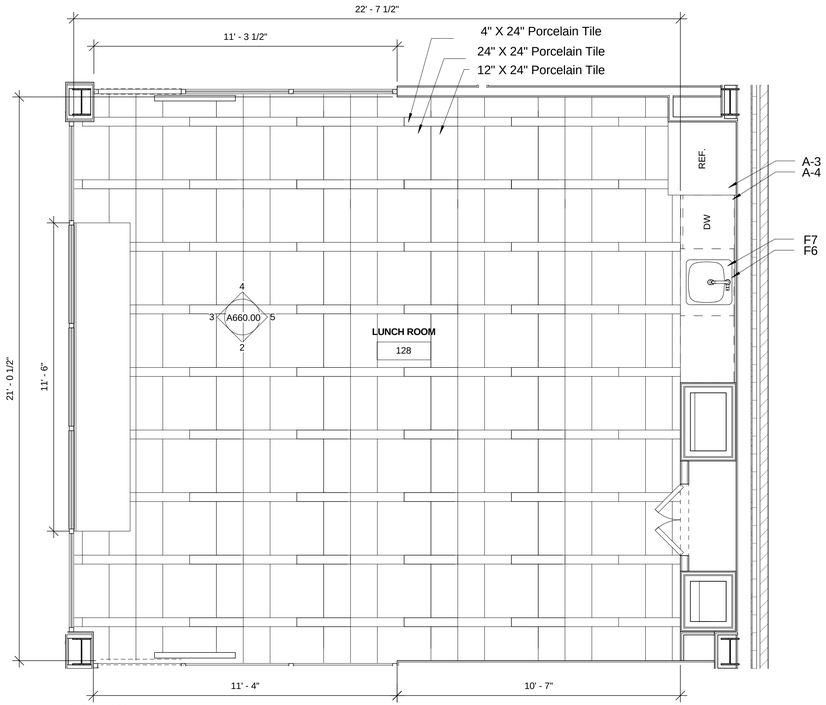
DRAWING TITLE:

DOUBLE FACADE SECTIONS AND DETAILS

DRAWING #:

A652.00

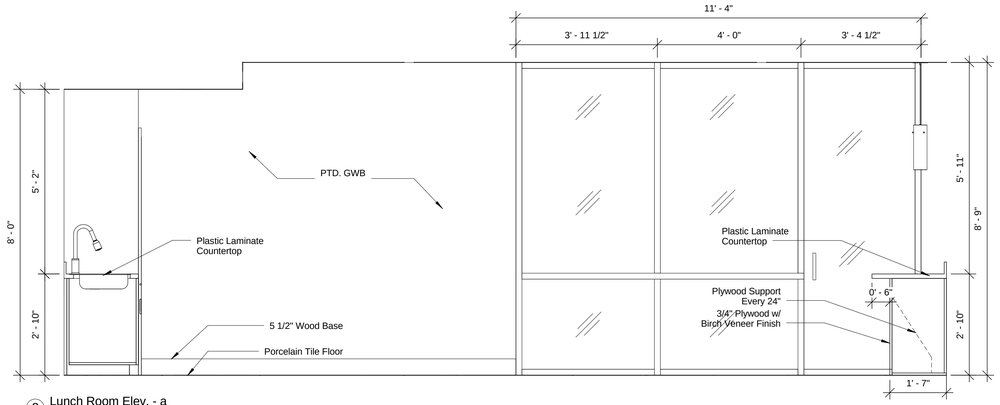
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE: As indicated	CHECKED BY: SSS	SHEET:



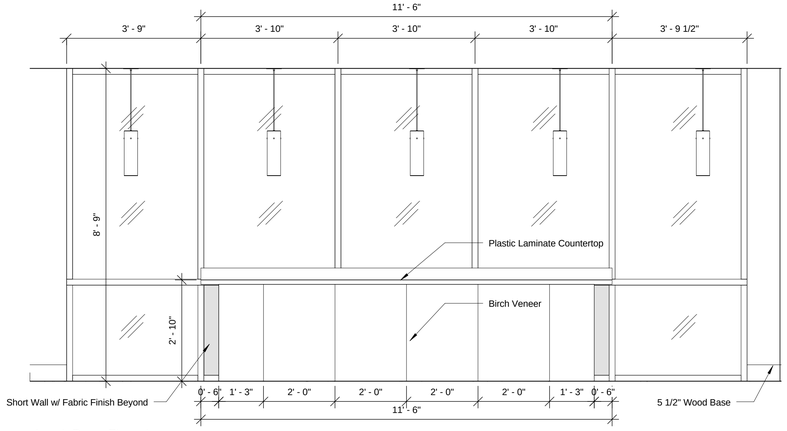
1 Lunch Room Plan
3/8" = 1'-0"

Kitchen Appliance Schedule			
Type Mark	Manufacturer	Model	Comments
A-1	General Electric	PDW1800/60N	18" Dishwasher
A-2	General Electric	GML04GAE	Compact Refrigerator
A-3	General Electric	GTZ21GBE	Top-Freezer Refrigerator
A-4	General Electric	GLDA690FWW	24" Dishwasher
A-5	General Electric	AVM4160DFWS-BS	Over-the-Range Microwave
A-6	Avanti	DWE1800W	Built-In Dishwasher
A-7	General Electric	GTH18IBD	Top-Freezer Refrigerator
A-8	General Electric	GTS16DBE	Top-Freezer Refrigerator
A-9	General Electric	JB450DF	Free-Standing Electric Range
A-9.5 ALT	General Electric	JDS28DN	Drop-In Electric Range

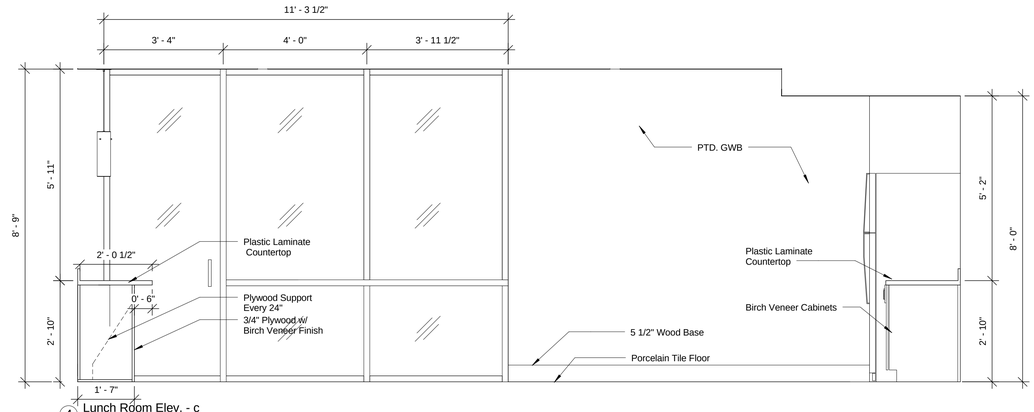
Public Plumbing Fixture Schedule			
Type Mark	Manufacturer	Model	Comments
F1	American Standard	3353.101.020	Public Toilet
F2	American Standard	6590.001	Public Urinal
F3	Acorn	4390-048-001MOD	Public Lavatory
F4	Gerber	CO-44-254	Public Lavatory Faucet
F5	Acorn	A151400B	Drinking Fountain
F6	Franke	ALBS6805-1/1	HD Lunch, Exam & Large Conference Room Sink
F7	Franke	D454530	HD Lunch Room Faucet
F8	Gerber	12-910	HD Pantry Sink
F9	Gerber	C4-44-654	HD Pantry Faucet
F21	American Standard	4275.550	HD Exam & Large Conference Room Faucet



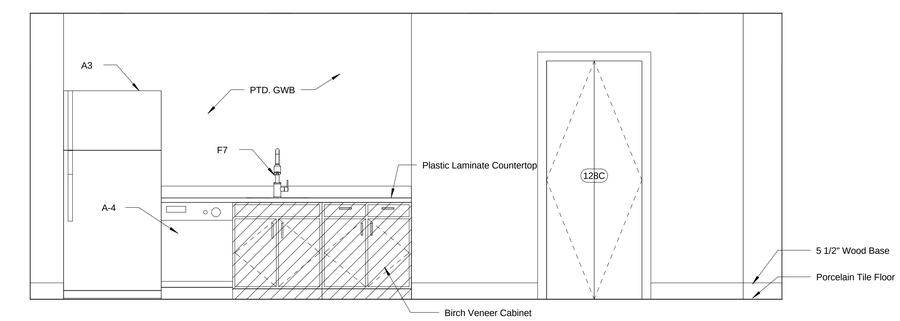
2 Lunch Room Elev. - a
1/2" = 1'-0"



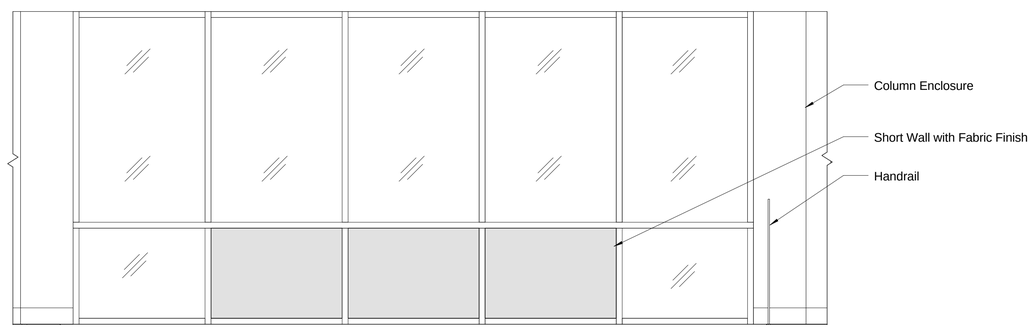
3 Lunch Room Elev. - b
1/2" = 1'-0"



4 Lunch Room Elev. - c
1/2" = 1'-0"



5 Lunch Room Elev. -d
1/2" = 1'-0"



7 Lunch Room Exterior Elev - a
1/2" = 1'-0"

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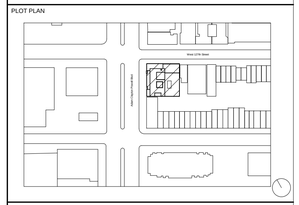
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

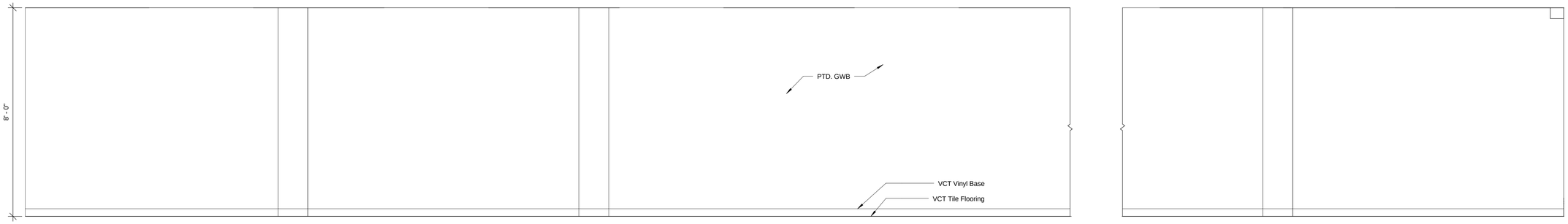
DRAWING TITLE:

LUNCH ROOM PLAN, ELEVATIONS & DETAILS

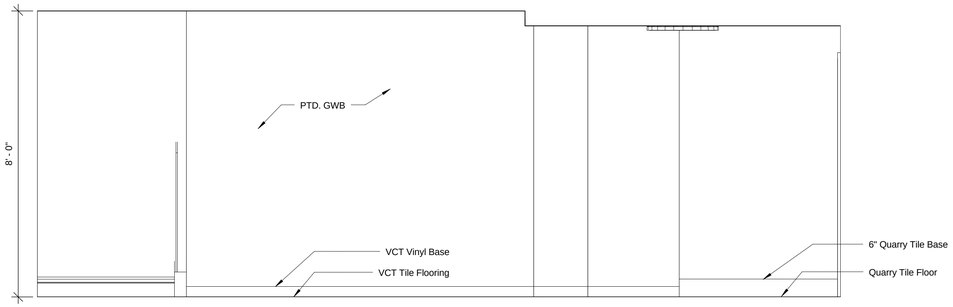
DRAWING #:

A660.00

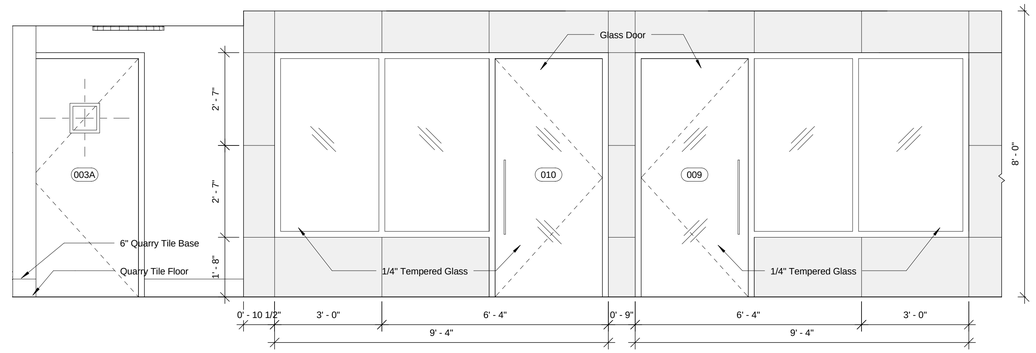
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
As indicated	SSS	



1 003 Cellar Open Office Elev. - a
1/2" = 1'-0"



2 003 Cellar Open Office Elev. - b
1/2" = 1'-0"



3 003 Cellar Open Office Elev. - c1
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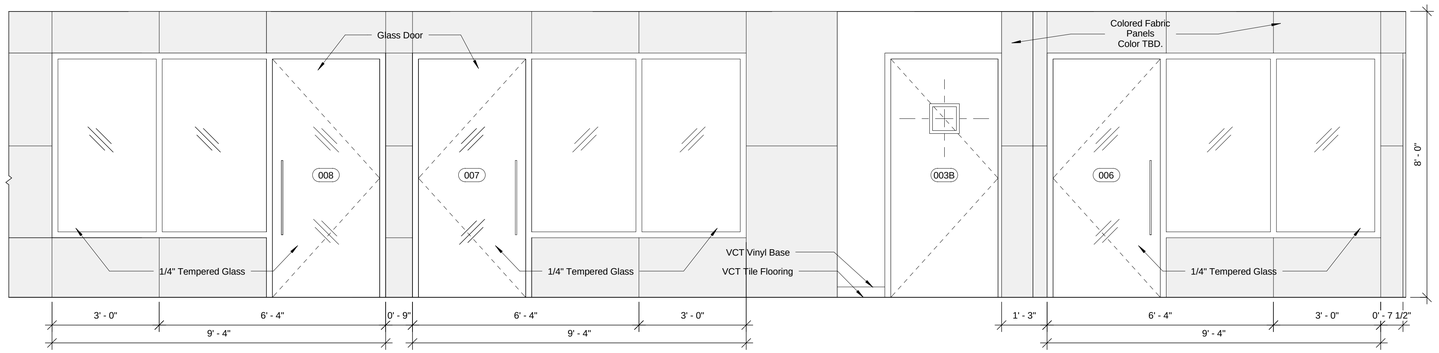
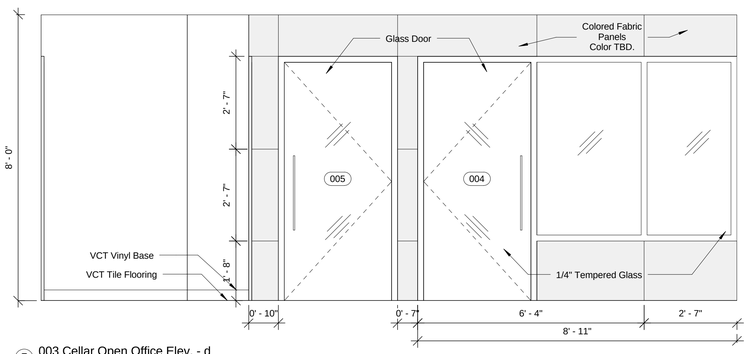


4 003 Cellar Open Office Elev. - c2
1/2" = 1'-0"



5 003 Cellar Open Office Elev. - d
1/2" = 1'-0"

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling

West Side Center for Children and Family Services

ARCHITECT:

THE OFFICE OF
SAMIR S. SHAH, ARCHITECT
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New York, NY 10007
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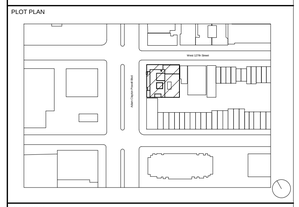
PLOT PLAN



REVISIONS:

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BUILDING DEPARTMENT #:

121908132

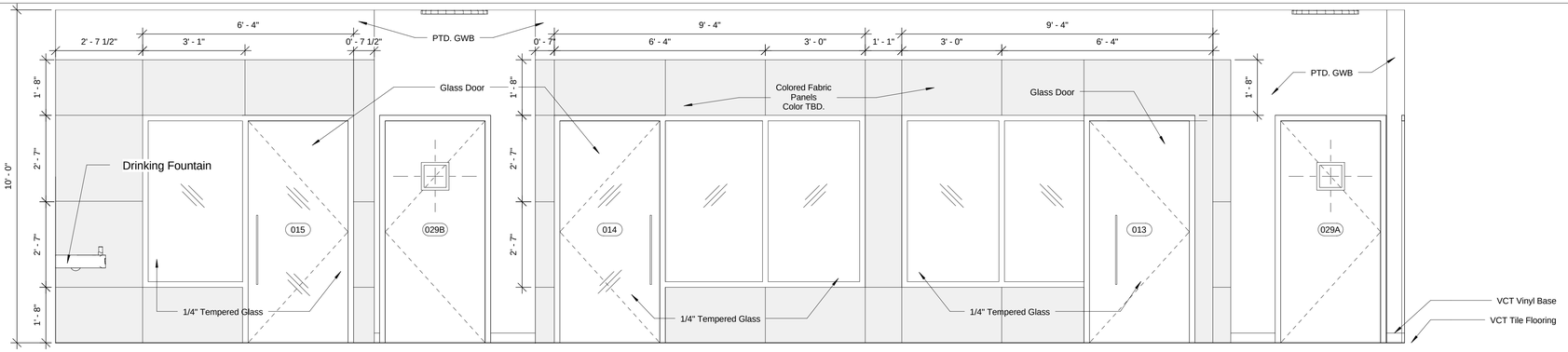
DRAWING TITLE:

INTERIOR ELEVATIONS I

DRAWING #:

A671.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
1/2" = 1'-0"	SSS	



1 029 Cellar Open Office Elev. - a
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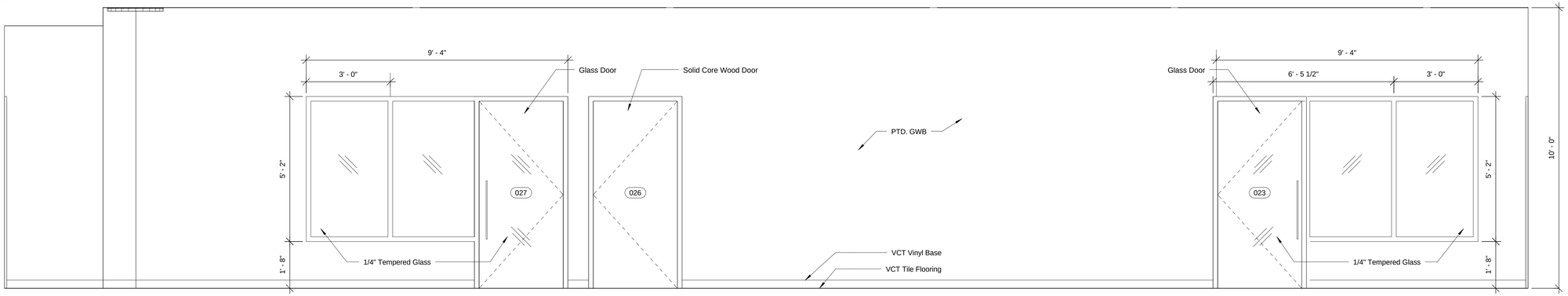

2 029 Cellar Open Office Elev. - b
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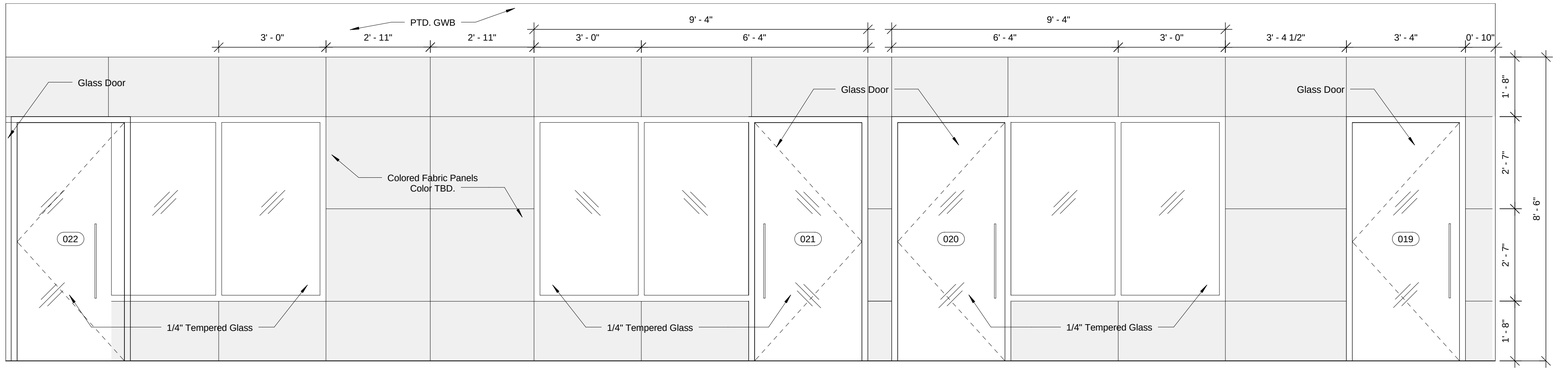

3 029 Cellar Open Office Elev. - e
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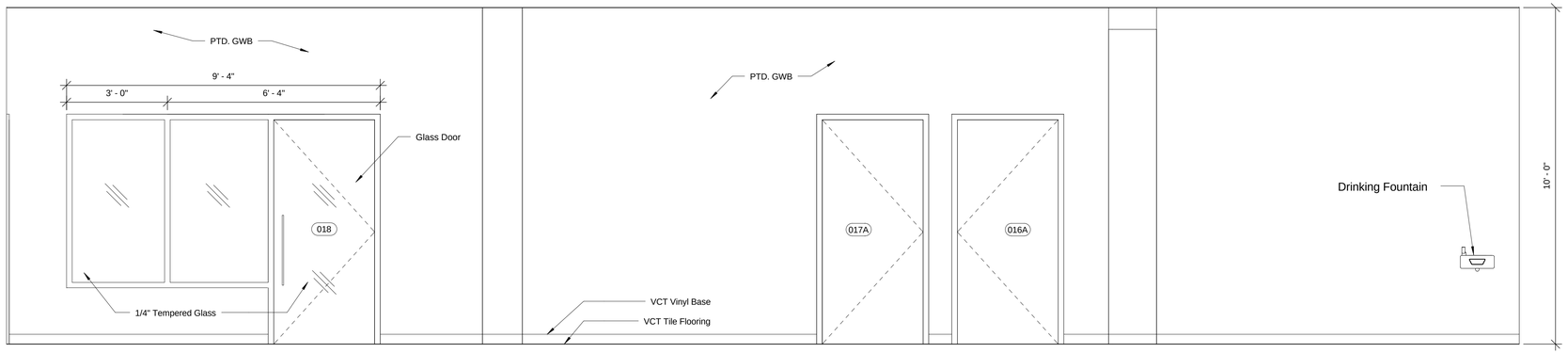

4 029 Cellar Open Office Elev. - d
1/2" = 1'-0"

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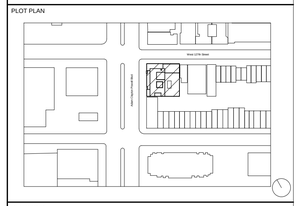

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BUILDING DEPARTMENT #:

121908132

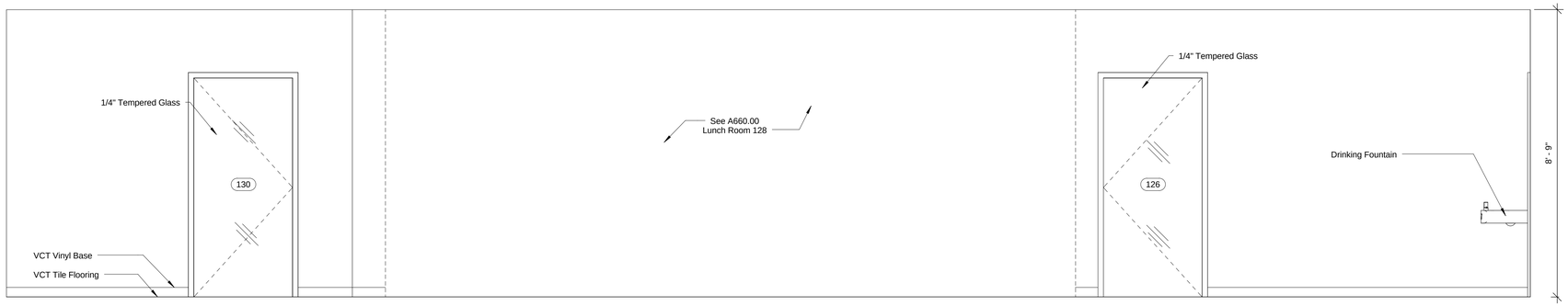
DRAWING TITLE:

INTERIOR ELEVATIONS II

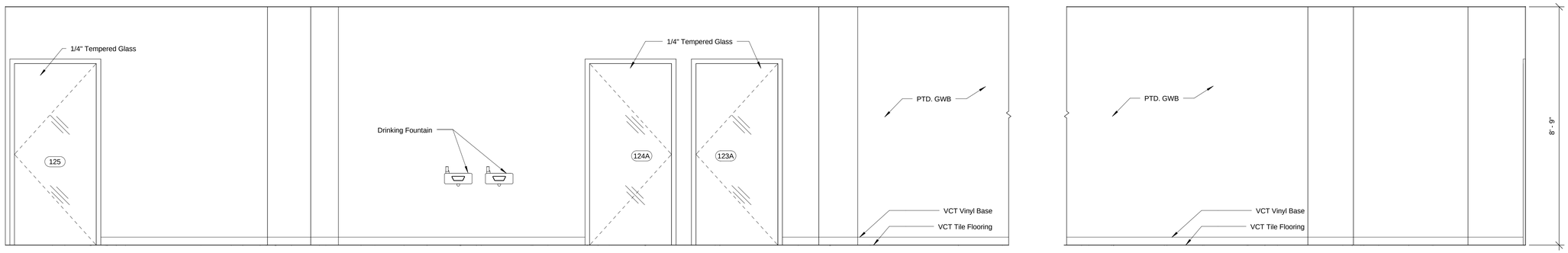
DRAWING #:

A672.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
1/2" = 1'-0"	SSS	



1 01 Open Office Elev. - a
1/2" = 1'-0"



2 01 Open Office Elev. - b
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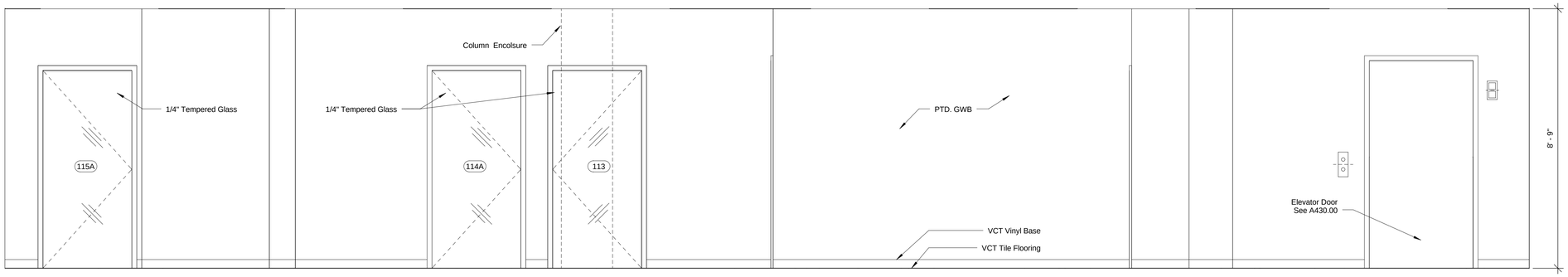
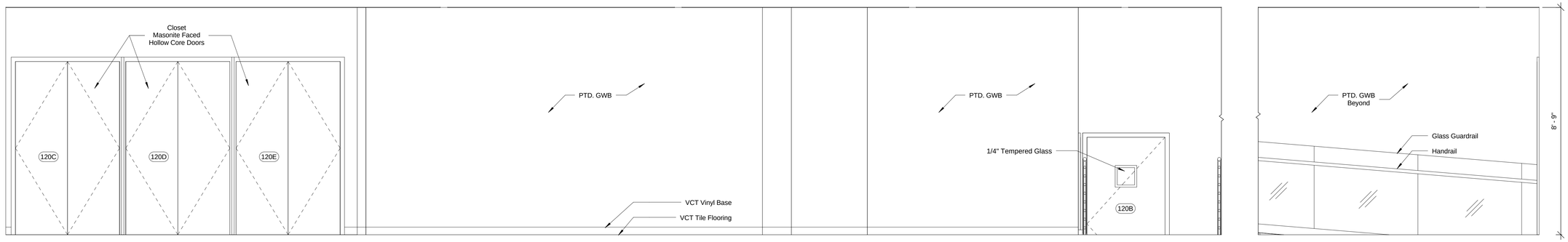


3 01 Open Office Elev. - c
1/2" = 1'-0"



4 01 Open Office Elev. - d
1/2" = 1'-0"

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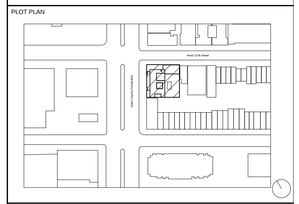
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

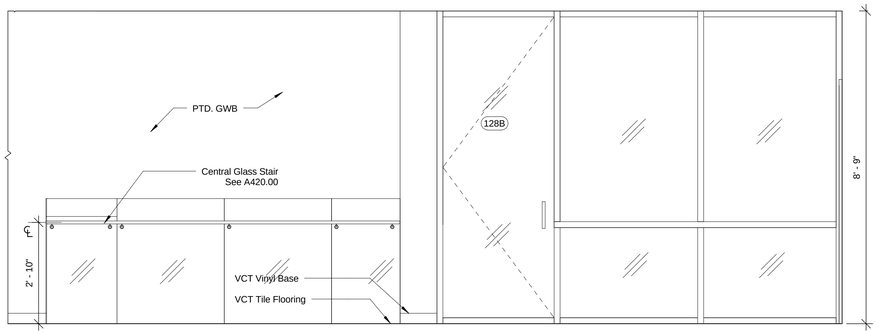
DRAWING TITLE:

INTERIOR ELEVATIONS III

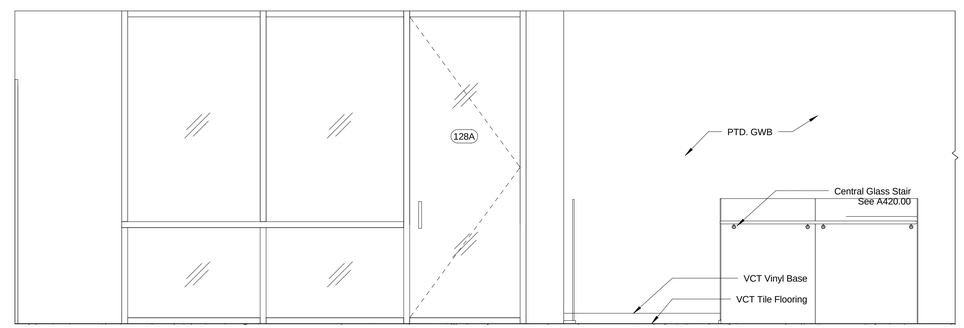
DRAWING #:

A673.00

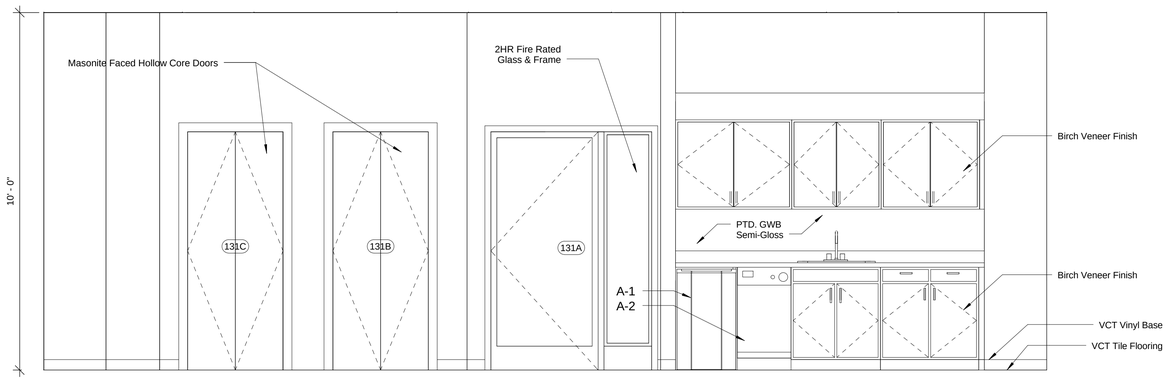
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
1/2" = 1'-0"	SSS	



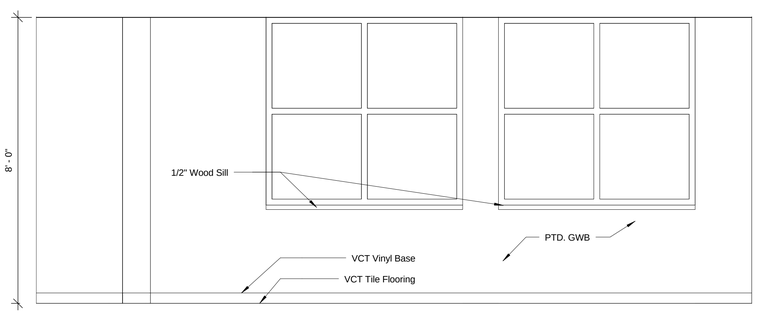
1 01 Open Office Elev. - d1
1/2" = 1'-0"



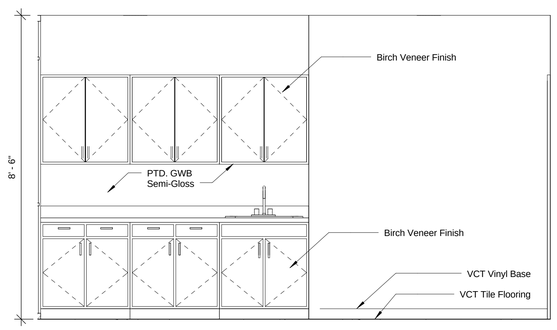
2 01 Open Office Elev. - f
1/2" = 1'-0"



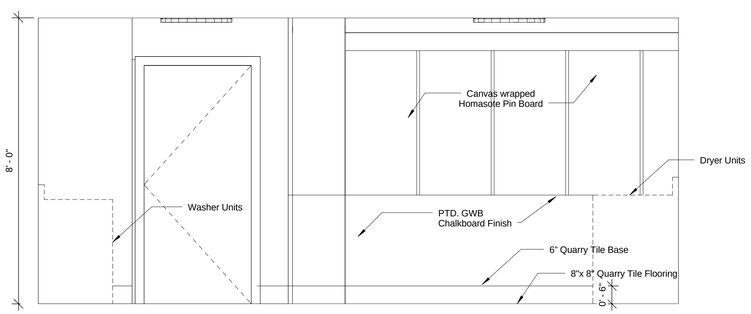
3 Large Conference Room Elev. - c
1/2" = 1'-0"



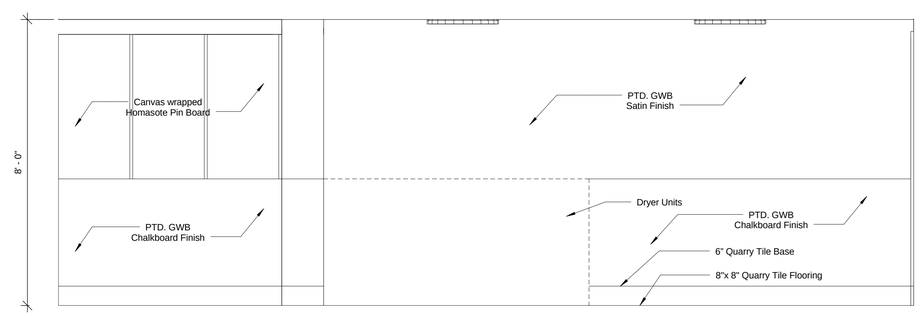
4 Group Room Elev. - c
1/2" = 1'-0"



5 111 Exam Room Elev.- a
1/2" = 1'-0"



6 207 Laundry/Lounge Elev. - c
1/2" = 1'-0"



7 207 Laundry/Lounge Elev. - d
1/2" = 1'-0"

Kitchen Appliance Schedule			
Type Mark	Manufacturer	Model	Comments
A-1	General Electric	PDW1800/60N	18" Dishwasher
A-2	General Electric	GML04GAE	Compact Refrigerator
A-3	General Electric	GTZ21GBE	Top-Freezer Refrigerator
A-4	General Electric	GLDA690FWW	24" Dishwasher
A-5	General Electric	AVM4160DFWS-BS	Over-the-Range Microwave
A-6	Avanti	DWE1800W	Built-In Dishwasher
A-7	General Electric	GTH18IBD	Top-Freezer Refrigerator
A-8	General Electric	GTS16DBE	Top-Freezer Refrigerator
A-9	General Electric	JB450DF	Free-Standing Electric Range
A-9.5 ALT	General Electric	JDS28DN	Drop-In Electric Range

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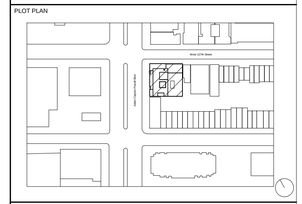
PLOT PLAN



REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

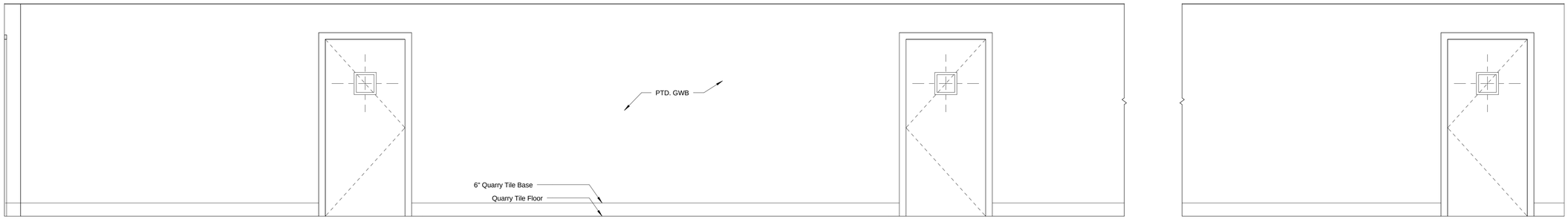
DRAWING TITLE:

INTERIOR
ELEVATIONS IV

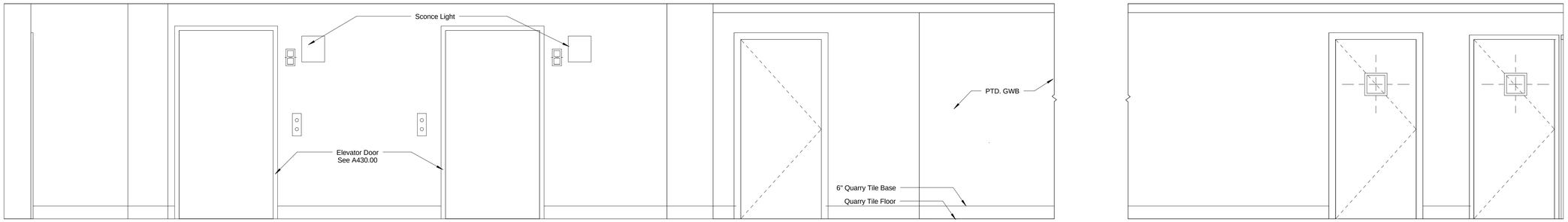
DRAWING #:

A674.00

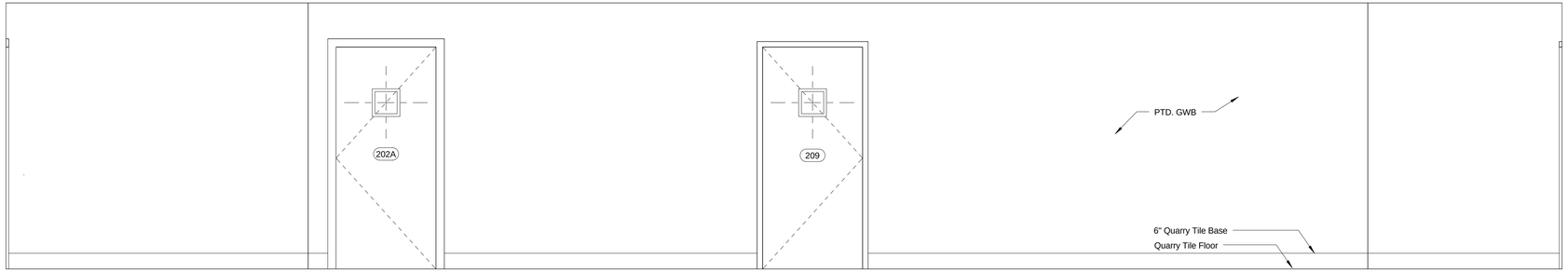
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
1/2" = 1'-0"	SSS	



1 Typical Corridor Elev. (based on 2nd Floor Plan)- a
1/2" = 1'-0"



2 Corridor Elev. - b
1/2" = 1'-0"



3 Corridor Elev. - c
1/2" = 1'-0"

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
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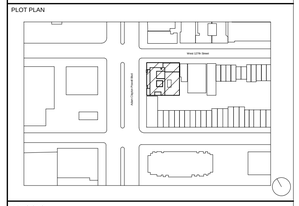
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

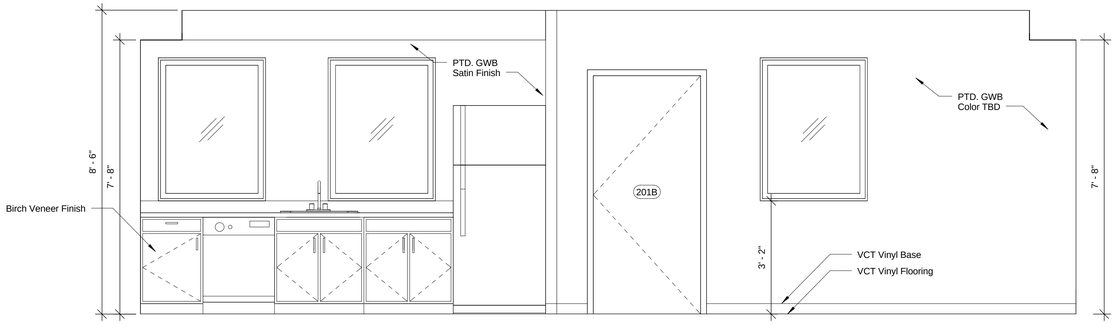
DRAWING TITLE:

INTERIOR
ELEVATIONS V

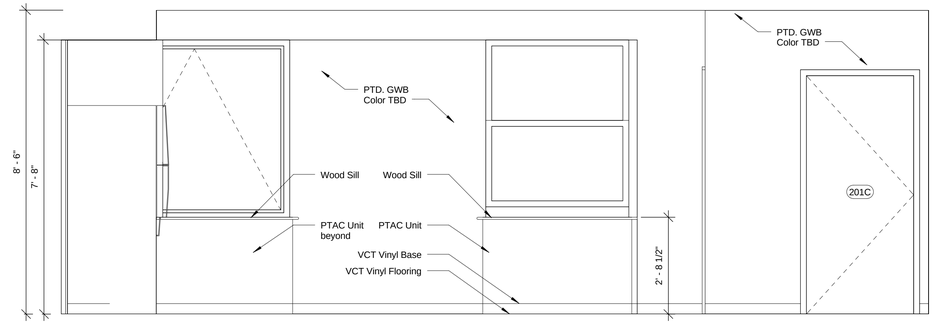
DRAWING #:

A675.00

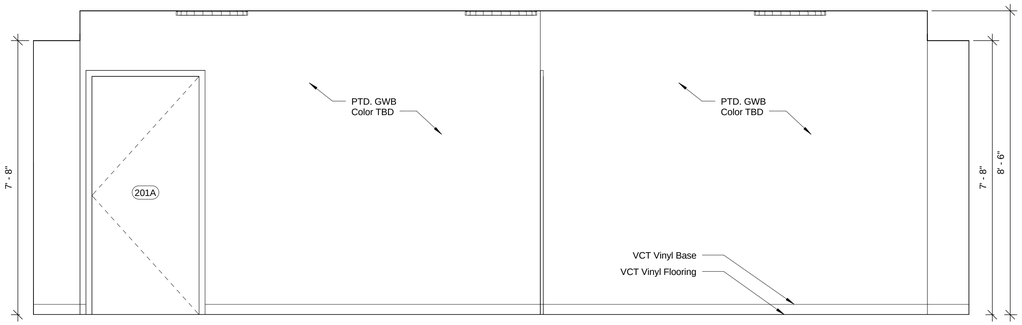
DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
1/2" = 1'-0"	SSS	



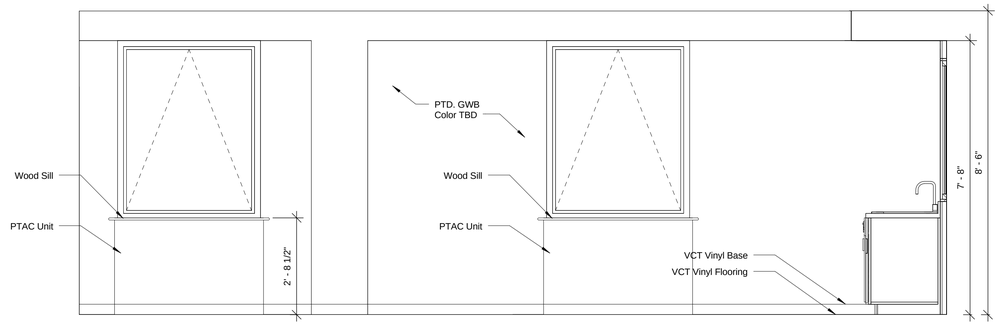
1 201 Lounge Elev. - a
1/2" = 1'-0"



2 201 Lounge Elev. - b
1/2" = 1'-0"



3 201 Lounge Elev. - c
1/2" = 1'-0"



4 201 Lounge Elev. - d
1/2" = 1'-0"

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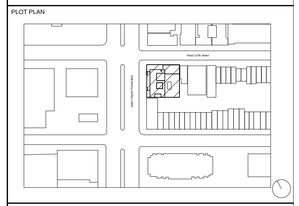
PLOT PLAN



REVISIONS:

06/19/2014	100% Construction Documents

BUILDING DEPARTMENT #:

121908132

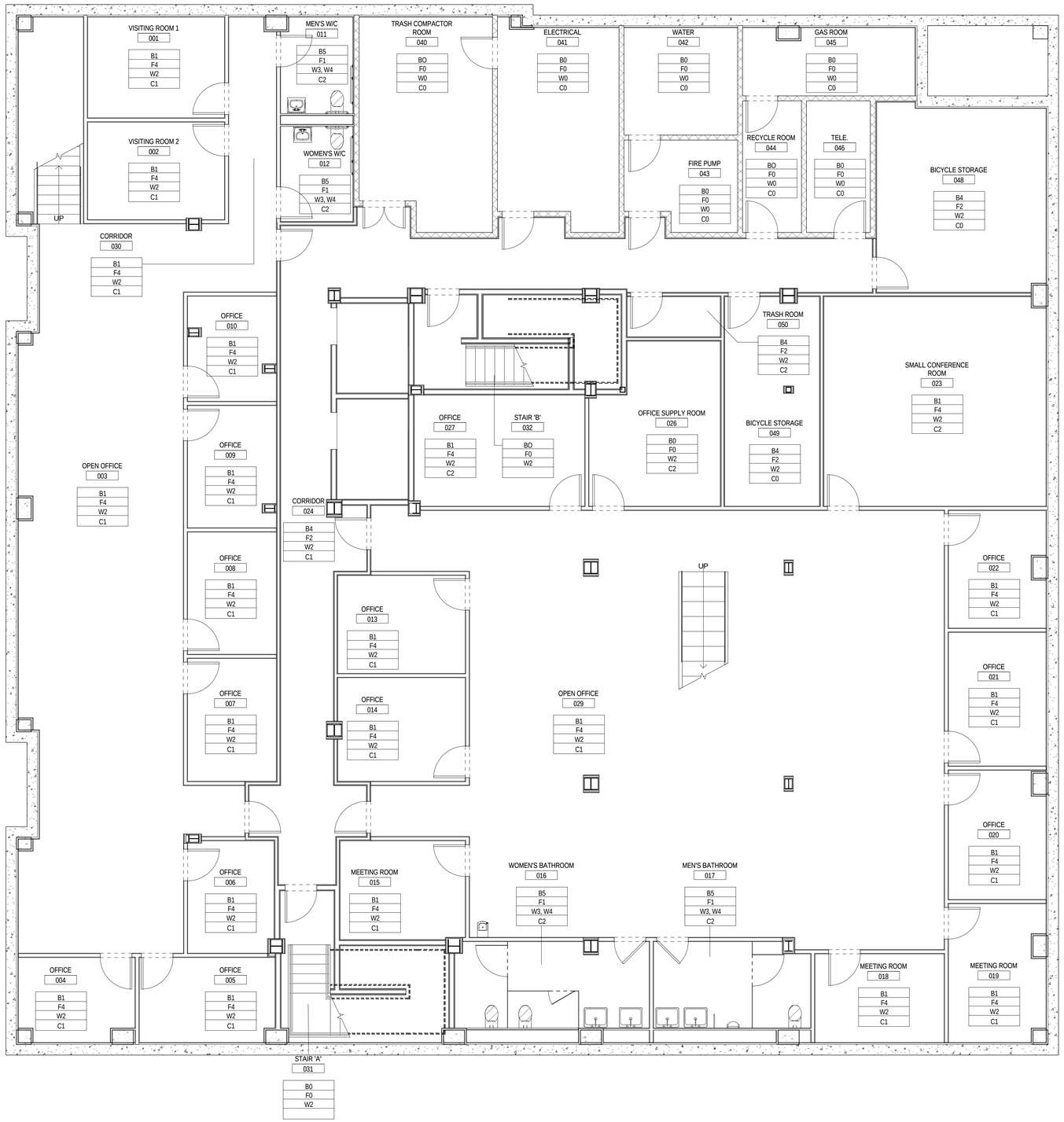
DRAWING TITLE:

INTERIOR
ELEVATIONS VI

DRAWING #:

A676.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
1/2" = 1'-0"	SSS	



1 Finish Plan 00_Cellar Floor Plan
3/16" = 1'-0"

Room Schedule_00_Cellar

Name	Number	Base Finish	Floor Finish	Wall Finish	Ceiling Finish	Countertop
VISITING ROOM 1	001	B1	F4	W2	C1	
VISITING ROOM 2	002	B1	F4	W2	C1	
OPEN OFFICE	003	B1	F4	W2	C1	
OFFICE	004	B1	F4	W2	C1	
OFFICE	005	B1	F4	W2	C1	
OFFICE	006	B1	F4	W2	C1	
OFFICE	007	B1	F4	W2	C1	
OFFICE	008	B1	F4	W2	C1	
OFFICE	009	B1	F4	W2	C1	
OFFICE	010	B1	F4	W2	C1	
MEN'S W/C	011	B5	F1	W3, W4	C2	
WOMEN'S W/C	012	B5	F1	W3, W4	C2	
OFFICE	013	B1	F4	W2	C1	
OFFICE	014	B1	F4	W2	C1	
MEETING ROOM	015	B1	F4	W2	C1	
WOMEN'S BATHROOM	016	B5	F1	W3, W4	C2	
MEN'S BATHROOM	017	B5	F1	W3, W4	C2	
MEETING ROOM	018	B1	F4	W2	C1	
MEETING ROOM	019	B1	F4	W2	C1	
OFFICE	020	B1	F4	W2	C1	
OFFICE	021	B1	F4	W2	C1	
OFFICE	022	B1	F4	W2	C1	
SMALL CONFERENCE ROOM	023	B1	F4	W2	C2	
CORRIDOR	024	B4	F2	W2	C1	
OFFICE SUPPLY ROOM	026	B0	F0	W2	C2	
OFFICE	027	B1	F4	W2	C2	
OPEN OFFICE	029	B1	F4	W2	C1	
CORRIDOR	030	B1	F4	W2	C1	
STAIR 'A'	031	B0	F0	W2		
STAIR 'B'	032	BO	F0	W2		
TRASH COMPACTOR ROOM	040	BO	F0	W0	C0	
ELECTRICAL	041	B0	F0	W0	C0	
WATER	042	B0	F0	W0	C0	
FIRE PUMP	043	B0	F0	W0	C0	
RECYCLE ROOM	044	BO	F0	W0	C0	
GAS ROOM	045	B0	F0	W0	C0	
TELE.	046	B0	F0	W0	C0	
BICYCLE STORAGE	048	B4	F2	W2	C0	
BICYCLE STORAGE	049	B4	F2	W2	C0	
TRASH ROOM	050	B4	F2	W2	C2	

Community Finish Schedule

Base		Floor		Wall		Ceiling		Countertop	
B0	Unifinished	F0	Unfinished	W0	Unfinished	C0	Unfinished	Ct0	Unfinished
B1	3 1/2" Vinyl Base-Mannington Edge	F1	6"x6" Ceramic Mosaic Tile- Daltile	W1	NOT USED	C1	Ptd-GWB - Benjamin Moore Ecospec Semi-Gloss	Ct1	Plastic Laminate Countertop-Wilsonart
B2	3" Porcelain Tile Cove- Daltile	F2	6"x6" Quarry Tile-Daltile	W2	Ptd-GWB - Benjamin Moore Ecospec Eggshell	C2	Armstrong 2x2 Acoustical Lay-In System		
B3	5 1/2" Wood Base	F3	Porcelain Tile Floor Daltile- Valor	W3	Ptd-GWB - Benjamin Moore Ecospec Semi-Gloss				
B4	6" Quarry Tile Cove- Daltile	F4	VCT Tile Flooring-Mannington Progressions	W4	4"x4" Ceramic Tile Wainscot- Daltile	C4	Unfinished		
B5	6" Ceramic Tile Cove-Daltile	F5	Painted Concrete	W5	4"x4" Ceramic Tile Accent-Daltile	C5	Unfinished		
		F6	4"x48" Porcelain Tile Floor Daltile- Imagica						

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling

West Side Center for Children and Family Services

ARCHITECT:

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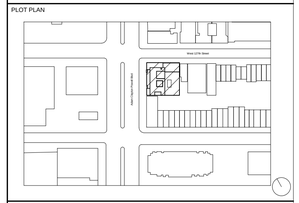
PLOT PLAN



REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

CELLAR FINISH PLAN

DRAWING #:

A700.00

DATE:	DRAWN BY:	JOB #:
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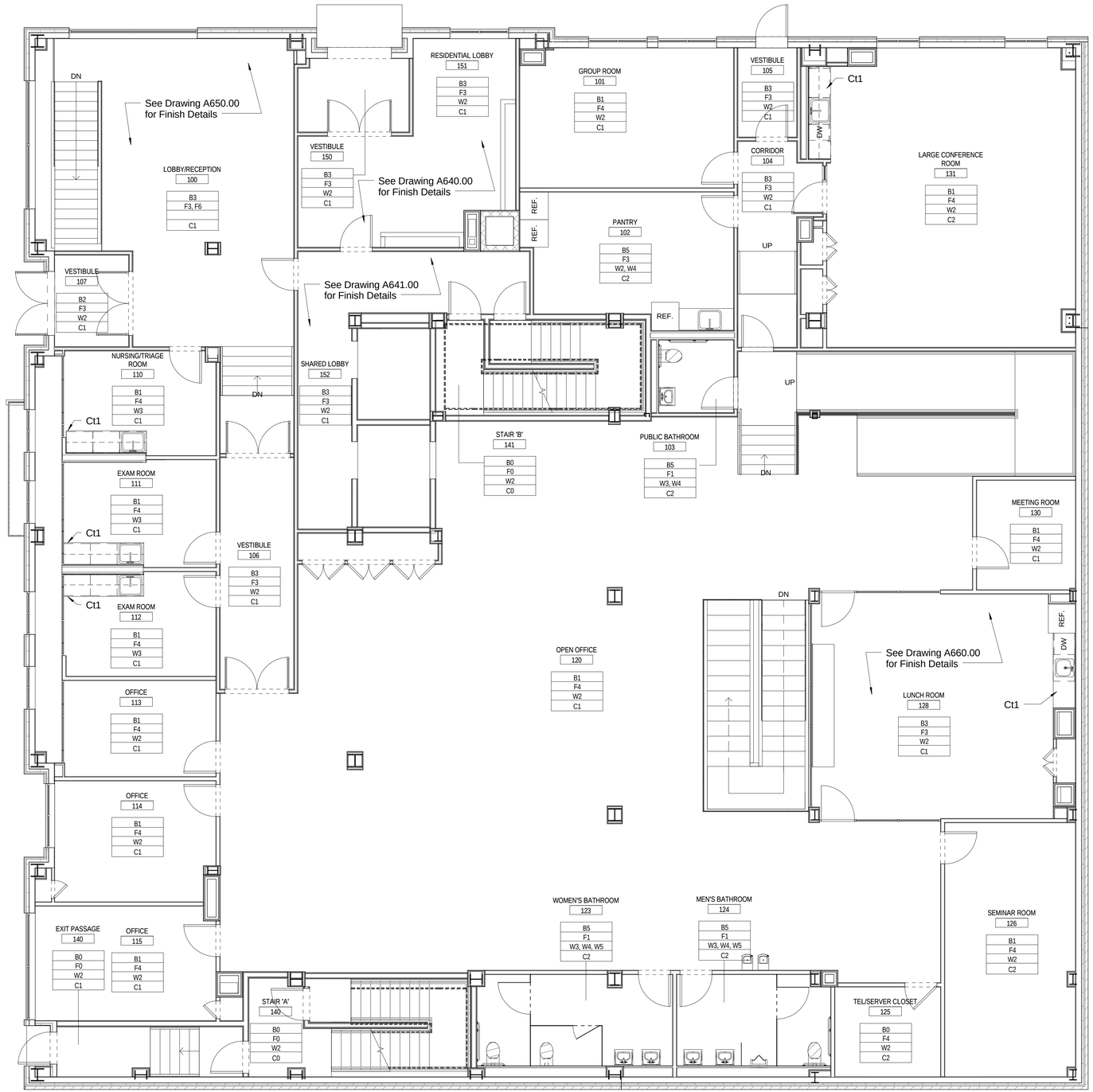
SHEET SCALE: As indicated	CHECKED BY: SSS	SHEET:



1 Finish Plan 01_Upper Ground Floor
3/16" = 1'-0"

Room Schedule_01_Upper Ground Floor

Name	Number	Base Finish	Floor Finish	Wall Finish	Ceiling Finish	Countertop
LOBBY/RECEPTION	100	B3	F3, F6		C1	
GROUP ROOM	101	B1	F4	W2	C1	
PANTRY	102	B5	F3	W2, W4	C2	
PUBLIC BATHROOM	103	B5	F1	W3, W4	C2	
CORRIDOR	104	B3	F3	W2	C1	
VESTIBULE	105	B3	F3	W2	C1	
VESTIBULE	106	B3	F3	W2	C1	
VESTIBULE	107	B2	F3	W2	C1	
NURSING/TRIAGE ROOM	110	B1	F4	W3	C1	
EXAM ROOM	111	B1	F4	W3	C1	
EXAM ROOM	112	B1	F4	W3	C1	
OFFICE	113	B1	F4	W2	C1	
OFFICE	114	B1	F4	W2	C1	
OFFICE	115	B1	F4	W2	C1	
OPEN OFFICE	120	B1	F4	W2	C1	
WOMEN'S BATHROOM	123	B5	F1	W3, W4, W5	C2	
MEN'S BATHROOM	124	B5	F1	W3, W4, W5	C2	
TEL/SERVER CLOSET	125	B0	F4	W2	C2	
SEMINAR ROOM	126	B1	F4	W2	C2	
LUNCH ROOM	128	B3	F3	W2	C1	
MEETING ROOM	130	B1	F4	W2	C1	
LARGE CONFERENCE ROOM	131	B1	F4	W2	C2	
STAIR 'A'	140	B0	F0	W2	C0	
EXIT PASSAGE	140	B0	F0	W2	C1	
STAIR 'B'	141	B0	F0	W2	C0	
VESTIBULE	150	B3	F3	W2	C1	
RESIDENTIAL LOBBY	151	B3	F3	W2	C1	
SHARED LOBBY	152	B3	F3	W2	C1	

Community Finish Schedule

Base		Floor		Wall		Ceiling		Countertop	
B0	Unifinished	F0	Unfinished	W0	Unfinished	C0	Unfinished	Ct0	Unfinished
B1	3 1/2" Vinyl Base-Mannington Edge	F1	6"x6" Ceramic Mosaic Tile- Daltile	W1	NOT USED	C1	Ptd-GWB - Benjamin Moore Ecospec Semi-Gloss	Ct1	Plastic Laminate Countertop-Wilsonart
B2	3" Porcelain Tile Cove- Daltile	F2	6"x6" Quarry Tile-Daltile	W2	Ptd-GWB - Benjamin Moore Ecospec Eggshell				
B3	5 1/2" Wood Base	F3	Porcelain Tile Floor Daltile- Valor	W3	Ptd-GWB - Benjamin Moore Ecospec Semi-Gloss	C2	Armstrong 2x2 Acoustical Lay-In System		
B4	6" Quarry Tile Cove- Daltile	F4	VCT Tile Flooring-Mannington Progressions	W4	4"x4" Ceramic Tile Wainscot- Daltile	C4	Unfinished		
B5	6" Ceramic Tile Cove-Daltile	F5	Painted Concrete	W5	4"x4" Ceramic Tile Accent-Daltile	C5	Unfinished		
		F6	4"x48" Porcelain Tile Floor Daltile- Imagica						

PROJECT:

A Home for Harlem Dowling

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New York, NY 10027

SPONSOR:

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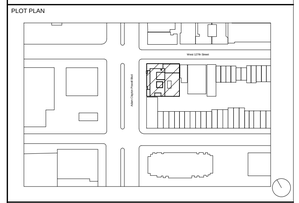
PLOT PLAN



REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

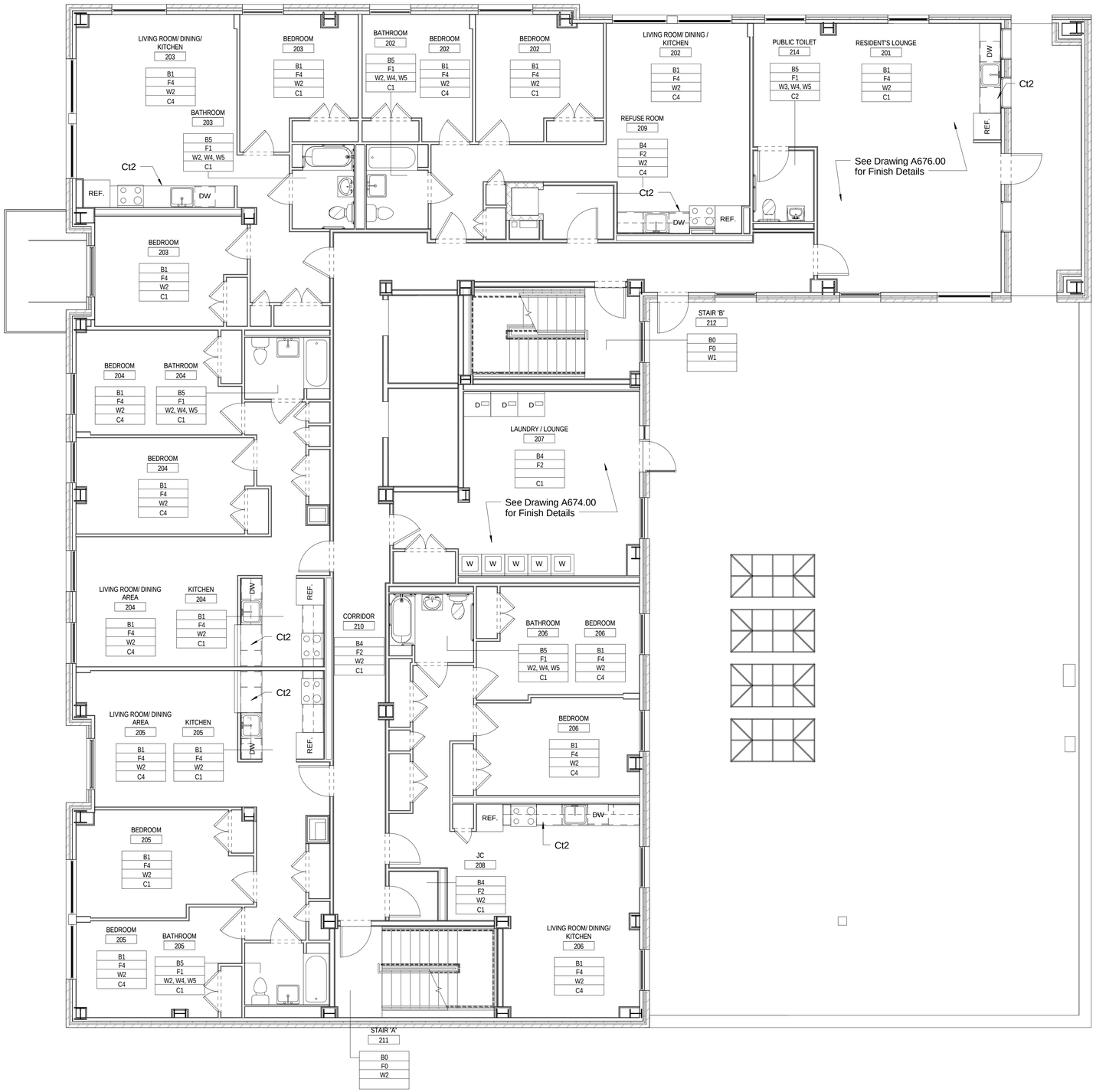
DRAWING TITLE:

GROUND FLOOR FINISH PLAN

DRAWING #:

A710.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE: As indicated	CHECKED BY: SSS	SHEET:



1 Finish Plan 02_Second Floor
3/16" = 1'-0"

Room Schedule_02_2nd Floor

Name	Number	Base Finish	Floor Finish	Wall Finish	Ceiling Finish	Countertop
RESIDENT'S LOUNGE	201	B1	F4	W2	C1	
LIVING ROOM/ DINING / KITCHEN	202	B1	F4	W2	C4	Ct2
BEDROOM	202	B1	F4	W2	C4	
BATHROOM	202	B5	F1	W2, W4, W5	C1	
BEDROOM	202	B1	F4	W2	C1	
APARTMENT UNIT	202	F4	B1	W2	C1	
LIVING ROOM/ DINING/ KITCHEN	203	B1	F4	W2	C4	Ct2
BEDROOM	203	B1	F4	W2	C1	
BEDROOM	203	B1	F4	W2	C1	
BATHROOM	203	B5	F1	W2, W4, W5	C1	
APARTMENT UNIT	203					
LIVING ROOM/ DINING AREA	204	B1	F4	W2	C4	
BEDROOM	204	B1	F4	W2	C4	
BEDROOM	204	B1	F4	W2	C4	
BATHROOM	204	B5	F1	W2, W4, W5	C1	
KITCHEN	204	B1	F4	W2	C1	Ct2
APARTMENT UNIT	204					
LIVING ROOM/ DINING AREA	205	B1	F4	W2	C4	
KITCHEN	205	B1	F4	W2	C1	Ct2
BEDROOM	205	B1	F4	W2	C1	
BEDROOM	205	B1	F4	W2	C4	
BATHROOM	205	B5	F1	W2, W4, W5	C1	
APARTMENT UNIT	205					
LIVING ROOM/ DINING/ KITCHEN	206	B1	F4	W2	C4	Ct2
BEDROOM	206	B1	F4	W2	C4	
BATHROOM	206	B5	F1	W2, W4, W5	C1	
BEDROOM	206	B1	F4	W2	C4	
APARTMENT UNIT	206					
LAUNDRY / LOUNGE	207	B4	F2		C1	
JC	208	B4	F2	W2	C1	
REFUSE ROOM	209	B4	F2	W2	C4	
CORRIDOR	210	B4	F2	W2	C1	
STAIR 'A'	211	B0	F0	W2		
STAIR 'B'	212	B0	F0	W1		
PUBLIC TOILET	214	B5	F1	W3, W4, W5	C2	

Residential Finish Schedule

Base		Floor		Wall		Ceiling		Countertop	
B0	Unifinished	F0	Unfinished	W0	Unfinished	C0	Unfinished	Ct0	Unfinished
B1	3 1/2" Vinyl Base-Mannington Edge	F1	6"x6" Ceramic Mosaic Tile- Daltile	W1	5/8" Firecode Gypsum Board	C1	Ptd-GWB - Benjamin Moore Ecospec Semi-Gloss	Ct1	Plastic Laminate Countertop-Wilsonart
B2	6" Porcelain Tile Cove-Daltile	F2	6"x6" Quarry Tile-Daltile	W2	Ptd-GWB - Benjamin Moore Ecospec Eggshell	C2	Armstrong 2x4 Acoustical Lay-In System		
B3	Not Used	F3	12"x12" Porcelain Tile Daltile- Identity Floor	W3	Ptd-GWB - Benjamin Moore Ecospec Semi-Gloss				
B4	6" Quarry Tile Cove- Daltile	F4	VCT Tile Flooring-Mannington Progressions	W4	4"x4" Ceramic Tile Wainscot- Daltile	C4	Painted Plank		
B5	6" Ceramic Tile Cove-Daltile	F5	Painted Concrete	W5	4"x4" Ceramic Tile Accent-Daltile				

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling

West Side Center for Children and Family Services

ARCHITECT:

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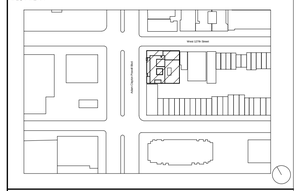
PLOT PLAN



REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

2ND FLOOR FINISH PLAN

DRAWING #:

A720.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE: As indicated	CHECKED BY: SSS	SHEET:

1 Finish Plan 03_Third Floor
3/16" = 1'-0"

Room Schedule_03_3rd Floor						
Name	Number	Base Finish	Floor Finish	Wall Finish	Ceiling Finish	Countertop
PUBLIC TOILET	214	B5	F1	W3, W4, W5	C2	
LIVING ROOM /DINNING/KITCHEN	301	B1	F4	W2	C4	Ct2
BEDROOM	301	B1	F4	W2	C4	
BEDROOM	301	B1	F4	W2	C4	
BATHROOM	301	B5	F1	W2, W4, W5	C1	
APARTMENT UNIT	301					
LIVING ROOM/ DINING/ KITCHEN	302	B1	F4	W2	C4	Ct2
BEDROOM	302	B1	F4	W2	C1	
BEDROOM	302	B1	F4	W2	C4	
BATHROOM	302	B5	F1	W2, W4, W5	C1	
APARTMENT UNIT	302					
LIVING ROOM/ DINING/ KITCHEN	303	B1	F4	W2	C4	Ct2
BEDROOM	303	B1	F4	W2	C4	
BEDROOM	303	B1	F4	W2	C4	
BATHROOM	303	B5	F1	W2, W4, W5	C1	
APARTMENT UNIT	303					
LIVING ROOM/ DINING AREA	304	B1	F4	W2	C4	
BEDROOM	304	B1	F4	W2	C4	
BEDROOM	304	B1	F4	W2	C4	
BATHROOM	304	B5	F1	W2, W4, W5	C1	
KITCHEN	304	B1	F4	W2	C1	Ct2
APARTMENT UNIT	304					
LIVING ROOM/ DINING AREA	305	B1	F4	W2	C4	
KITCHEN	305	B1	F4	W2	C1	Ct2
BEDROOM	305	B1	F4	W2	C4	
BEDROOM	305	B1	F4	W2	C4	
BATHROOM	305	B5	F1	W2, W4, W5	C1	
APARTMENT UNIT	305					
BEDROOM	306	B1	F4	W2	C4	
LIVING ROOM/ DINING/ KITCHEN	306	B1	F4	W2	C4	Ct2
BATHROOM	306	B5	F1	W2, W4, W5	C1	
APARTMENT UNIT	306					
LIVING ROOM/ DINING/ KITCHEN	307	B1	F4	W2	C4	Ct2
BATHROOM	307	B5	F1	W2, W4, W5	C1	
BEDROOM	307	B1	F4	W2	C4	
APARTMENT UNIT	307					
JC	308	B4	F2	W2	C4	
REFUSE ROOM	309	B4	F2	W2	C4	
CORRIDOR	310	B4	F2	W2	C1	
STAIR 'A'	311	B0	F0	W1		
STAIR 'B'	312	B0	F0	W2		

Residential Finish Schedule									
Base		Floor		Wall		Ceiling		Countertop	
B0	Unifinished	F0	Unfinished	W0	Unfinished	C0	Unfinished	Ct0	Unfinished
B1	3 1/2" Vinyl Base-Mannington Edge	F1	6"x6" Ceramic Mosaic Tile- Daltile	W1	5/8" Firecode Gypsum Board	C1	Ptd-GWB - Benjamin Moore Ecospec Semi-Gloss	Ct1	Plastic Laminate Countertop-Wilsonart
B2	6" Porcelain Tile Cove-Daltile	F2	6"x6" Quarry Tile-Daltile	W2	Ptd-GWB - Benjamin Moore Ecospec Eggshell	C2	Armstrong 2x4 Acoustical Lay-In System		
B3	Not Used	F3	12"x12" Porcelain Tile Daltile- Identity Floor	W3	Ptd-GWB - Benjamin Moore Ecospec Semi-Gloss				
B4	6" Quarry Tile Cove- Daltile	F4	VCT Tile Flooring-Mannington Progressions	W4	4"x4" Ceramic Tile Wainscot- Daltile	C4	Painted Plank		
B5	6" Ceramic Tile Cove-Daltile	F5	Painted Concrete	W5	4"x4" Ceramic Tile Accent-Daltile				

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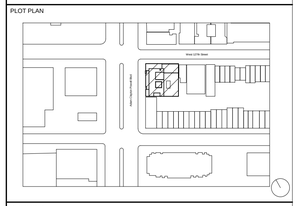
PLOT PLAN



REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

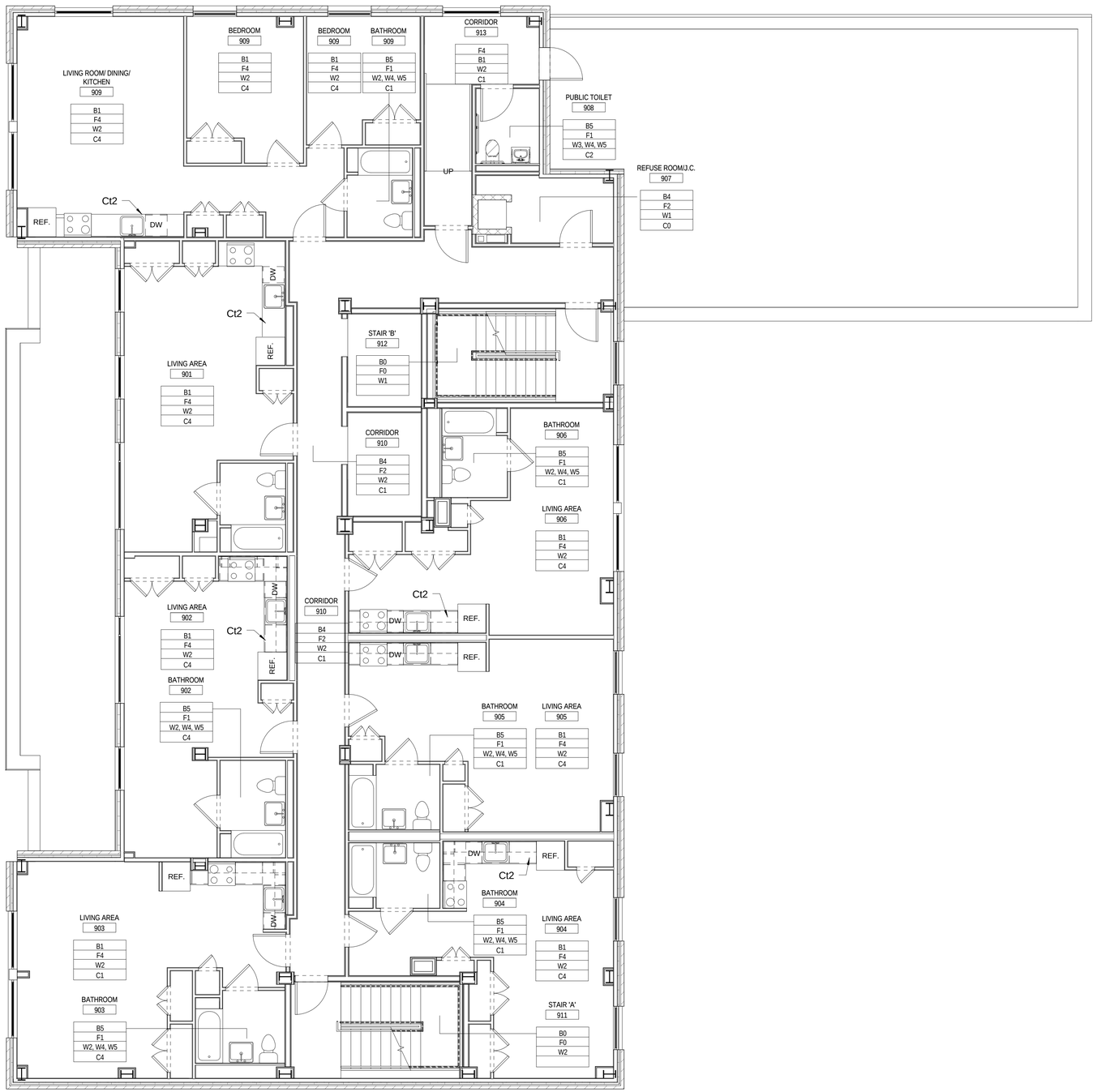
DRAWING TITLE:

TYPICAL (FLOORS 3-8) FINISH PLAN

DRAWING #:

A730.00

DATE:	DRAWN BY:	JOB #:
06/19/14	SSS/TZ	10.09
SHEET SCALE:	CHECKED BY:	SHEET:
As indicated	SSS	



1 Finish Plan 09_Ninth Floor
3/16" = 1'-0"

Room Schedule_09_9th Floor						
Name	Number	Base Finish	Floor Finish	Wall Finish	Ceiling Finish	Countertop
LIVING AREA	901	B1	F4	W2	C4	
BATHROOM	901					
APARTMENT UNIT	901	F4	B1	W2	C1	
LIVING AREA	902	B1	F4	W2	C4	
BATHROOM	902	B5	F1	W2, W4, W5	C4	
APARTMENT UNIT	902	F4	B1	W2	C1	
LIVING AREA	903	B1	F4	W2	C1	
BATHROOM	903	B5	F1	W2, W4, W5	C4	
APARTMENT UNIT	903					
KITCHEN	903					
LIVING AREA	904	B1	F4	W2	C4	
BATHROOM	904	B5	F1	W2, W4, W5	C1	
APARTMENT UNIT	904					
LIVING AREA	905	B1	F4	W2	C4	
BATHROOM	905	B5	F1	W2, W4, W5	C1	
APARTMENT UNIT	905					
LIVING AREA	906	B1	F4	W2	C4	
BATHROOM	906	B5	F1	W2, W4, W5	C1	
APARTMENT UNIT	906					
REFUSE ROOM/J.C.	907	B4	F2	W1	C0	
PUBLIC TOILET	908	B5	F1	W3, W4, W5	C2	
LIVING ROOM/ DINING/ KITCHEN	909	B1	F4	W2	C4	
BATHROOM	909	B5	F1	W2, W4, W5	C1	
BEDROOM	909	B1	F4	W2	C4	
BEDROOM	909	B1	F4	W2	C4	
CL.	909					
CL.	909					
APARTMENT UNIT	909	F4	B1	W2	C1	
CORRIDOR	910	B4	F2	W2	C1	
STAIR 'A'	911	B0	F0	W2		
STAIR 'B'	912	B0	F0	W1		
CORRIDOR	913	F4	B1	W2	C1	

Residential Finish Schedule									
Base		Floor		Wall		Ceiling		Countertop	
B0	Unifinished	F0	Unfinished	W0	Unfinished	C0	Unfinished	Ct0	Unfinished
B1	3 1/2" Vinyl Base-Mannington Edge	F1	6"x6" Ceramic Mosaic Tile- Daltile	W1	5/8" Firecode Gypsum Board	C1	Ptd-GWB - Benjamin Moore Ecospec Semi-Gloss	Ct1	Plastic Laminate Countertop-Wilsonart
B2	6" Porcelain Tile Cove-Daltile	F2	6"x6" Quarry Tile-Daltile	W2	Ptd-GWB - Benjamin Moore Ecospec Eggshell				
B3	Not Used	F3	12"x12" Porcelain Tile Daltile- Identity Floor	W3	Ptd-GWB - Benjamin Moore Ecospec Semi-Gloss	C2	Armstrong 2x4 Acoustical Lay-In System		
B4	6" Quarry Tile Cove- Daltile	F4	VCT Tile Flooring-Mannington Progressions	W4	4"x4" Ceramic Tile Wainscot- Daltile	C4	Painted Plank		
B5	6" Ceramic Tile Cove-Daltile	F5	Painted Concrete	W5	4"x4" Ceramic Tile Accent-Daltile				

PROJECT:

A Home for Harlem Dowling

2139 Adam Clayton Powell, Jr. Blvd.
New York, NY 10027

SPONSOR:

Harlem Dowling

West Side Center for Children and Family Services

ARCHITECT:

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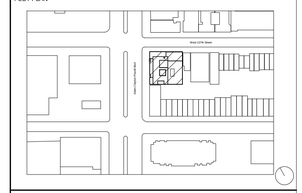
PLOT PLAN:



REVISIONS:

06/19/2014 100% Construction Documents

BUILDING DEPARTMENT #:

121908132

DRAWING TITLE:

9TH FLOOR FINISH PLAN

DRAWING #:

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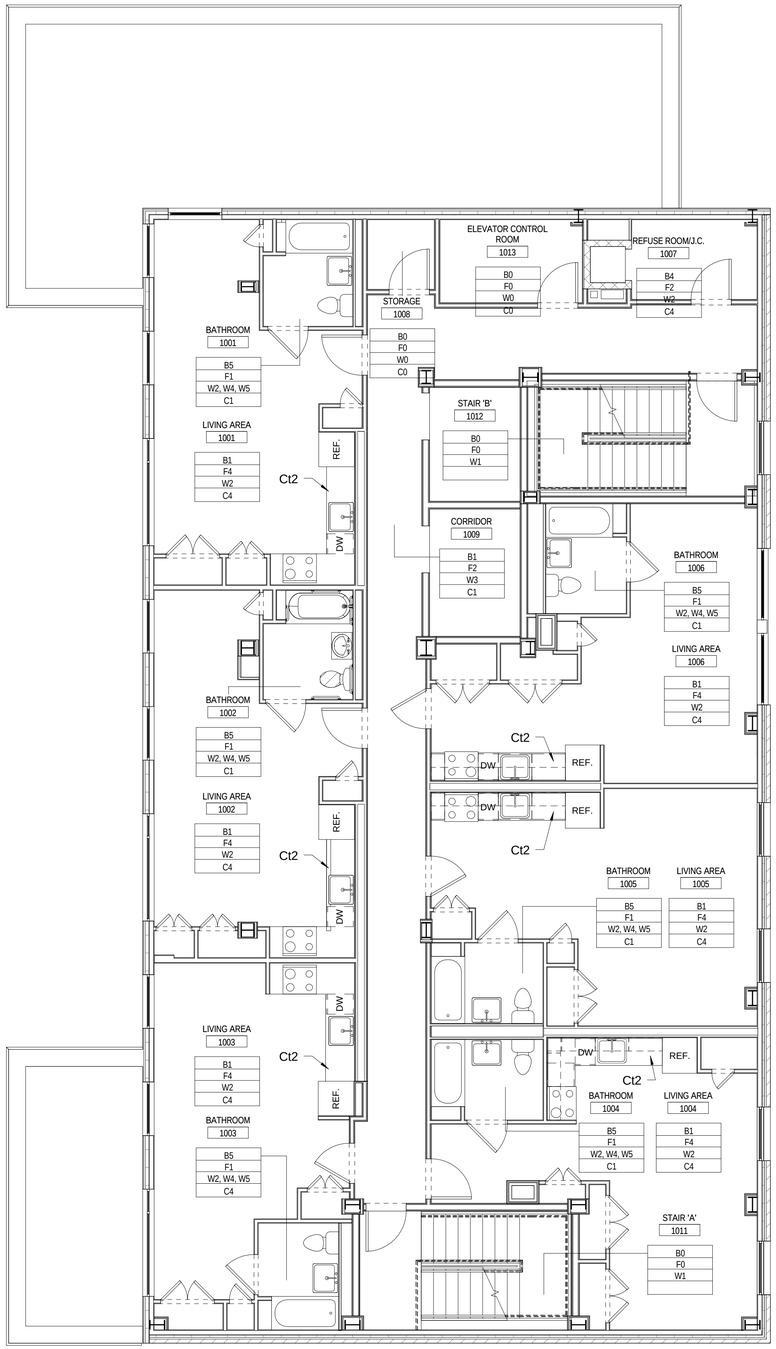

1 Finish Plan 10_Tenth Floor
3/16" = 1'-0"

Room Schedule_10_10th Floor

Name	Number	Base Finish	Floor Finish	Wall Finish	Ceiling Finish	Countertop
CORRIDOR	913	F4	B1	W2	C1	
LIVING AREA	1001	B1	F4	W2	C4	Ct2
BATHROOM	1001	B5	F1	W2, W4, W5	C1	
APARTMENT UNIT	1001	F4	B1	W2	C1	
LIVING AREA	1002	B1	F4	W2	C4	Ct2
BATHROOM	1002	B5	F1	W2, W4, W5	C1	
CL.	1002	F4	B1	W2	C1	
APARTMENT UNIT	1002	F4	B1	W2	C1	
LIVING AREA	1003	B1	F4	W2	C4	Ct2
BATHROOM	1003	B5	F1	W2, W4, W5	C4	
APARTMENT UNIT	1003	F4	B1	W2	C1	
LIVING AREA	1004	B1	F4	W2	C4	Ct2
BATHROOM	1004	B5	F1	W2, W4, W5	C1	
APARTMENT UNIT	1004					
LIVING AREA	1005	B1	F4	W2	C4	Ct2
BATHROOM	1005	B5	F1	W2, W4, W5	C1	
APARTMENT UNIT	1005					
LIVING AREA	1006	B1	F4	W2	C4	Ct2
BATHROOM	1006	B5	F1	W2, W4, W5	C1	
APARTMENT UNIT	1006					
REFUSE ROOM/J.C.	1007	B4	F2	W2	C4	
STORAGE	1008	B0	F0	W0	C0	
CORRIDOR	1009	B1	F2	W3	C1	
CL.	1010	F4	B1	W2	C1	
STAIR 'A'	1011	B0	F0	W1		
STAIR 'B'	1012	B0	F0	W1		
ELEVATOR CONTROL ROOM	1013	B0	F0	W0	C0	

Residential Finish Schedule

Base		Floor		Wall		Ceiling		Countertop	
B0	Unifinished	F0	Unfinished	W0	Unfinished	C0	Unfinished	Ct0	Unfinished
B1	3 1/2" Vinyl Base-Mannington Edge	F1	6"x6" Ceramic Mosaic Tile- Daltile	W1	5/8" Firecode Gypsum Board	C1	Ptd-GWB - Benjamin Moore Ecospec Semi-Gloss	Ct1	Plastic Laminate Countertop-Wilsonart
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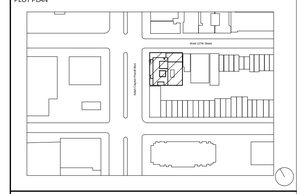

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10TH FLOOR FINISH PLAN

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APPENDIX 5

PHASE II INVESTIGATION RESULTS

It was determined in the approved April 22, 2104 Work Plan that five (5) soil probes should be installed on the property in order to collect soil samples from 0-2’ below ground surface (bgs) and from the maximum excavation depth of the proposed building (10’-12’ bgs); groundwater samples should be collected from two (2) locations, if groundwater is encountered within 30’ bgs, and soil vapor samples should be collected from three (3) probes within the proposed building footprint. In addition, it was requested that a Ground Penetrating Radar (GPR) survey be performed over the entire property in order to ensure that there are no storage tanks or sanitary structures remaining from past use of the property.

The sampling and analysis plan consisted of soil/sediment, groundwater and soil vapor testing, and a GPR survey using analytical test methods consistent with expected parameters and agency soil cleanup objectives. Figure 4 provides a sample location map for the sample during as part of the Limited Phase II ESA. The following presents an evaluation of the results of this investigation.

Soil

Laboratory analysis performed on the five (5) shallow and five (5) deep soil samples from the subject property exhibited slightly elevated concentrations of semi-volatile organic compounds, pesticides, and metals. Laboratory analysis of four (4) of the shallow soil samples collected from the subject property (SB-C, SB-SW, SB-NE and SB-NW) exhibited elevated concentrations of at least one (1) semi volatile organic compound that exceeded the NYSDEC Soil Cleanup Objectives by relatively small margins. In addition, laboratory analysis of two (2) of the shallow soil samples collected from the subject property (SB-C and SB-NE) exhibited elevated concentrations of two (2) metals (Barium and Lead) that exceed the NYSDEC Soil Cleanup Objectives. Laboratory analysis of two (2) additional shallow soil samples collected from the subject property (SB-SW and SB-SE) exhibited elevated concentrations of mercury that exceed the NYSDEC Soil Cleanup Objectives by relatively small margins, and laboratory analysis of two (2) of the deep soil samples collected from the subject property (SB-C and SB-SW) exhibited elevated concentrations of mercury that exceeded the NYSDEC Soil Cleanup Objectives by large margins. The concentration of mercury detected in the deep soil sample collected from SB-C exceeded the Soil Cleanup Objective by a large margin (125 mg/kg). In addition, laboratory analysis of the deep soil sample collected from SB-C exhibited an elevated concentration of lead that exceeded the Soil Cleanup objective by a small margin. Refer to Tables 1 & 2 for a comparison of the laboratory data and the regulatory guidance values. Based on these results, it is recommended that the regulatory agency be contacted to determine if remediation is appropriate, with respect to shallow and deep soils on the property that exhibited concentrations in excess of regulatory Soil Cleanup Objectives. It is noted that the area of the property has historically been used for commercial and light industrial purposes and low concentrations of semi-volatile organic compounds and metals in soils may be ubiquitous.

TABLE 1
SHALLOW (0-2') SOIL SAMPLE RESULTS

Constituents	SB-C	SB-SW	SB-SE	SB-NE	SB-NW	6 NYCRR Part 375 Restricted Residential – Soil Cleanup Objectives
Semi-Volatiles	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Acenaphthylene	184	ND	ND	ND	ND	100,000
Flourene	ND	ND	ND	321	ND	100,000
Phenanthrene	710	281	ND	3,640	697	100,000
Anthracene	225	ND	ND	684	ND	100,000
Flouranthene	1,940	980	48.2	6,340	1,580	100,000
Pyrene	2,000	974	ND	5,720	1,340	100,000
Benzo(a)anthracene	**1,280**	644	ND	**2,960**	959	1,000
Chrysene	1,230	641	ND	3,850	1,080	3,900
Benzo(b)flouranthene	**2,000**	893	ND	**4,820**	**1,390**	1,000
Benzo(k)flouranthene	626	336	ND	1,570	379	3,900
Benzo(a)pyrene	**1,450**	711	ND	**3,460**	**1,070**	1,000
Indeno(1,2,3-c,d)pyrene	**1,040**	**623**	ND	**2,630**	**880**	500
Dibenzo(a,h)anthracene	215	ND	ND	**615**	ND	330
Benzo(g,h,i)perylene	950	599	ND	2,400	868	100,000
Volatiles	**No Volatile Organic Compounds Detected**					
Pesticides	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
trans-Chlordane	26.7	ND	ND	14.2	5.96	NS
cis-Chlordane	23.6	ND	ND	14.7	6.14	NS
4,4'-DDE	42.2	ND	14.3	34.6	4.42	8,900
4-4'-DDD	323	ND	ND	39.3	6.19	13,000
4,4-DDT	65.3	ND	23.1	188	3.76	7,900
Chlordane	ND	ND	ND	83.4	24.1	4,200
Metals	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Aluminum	8,860	8,110	11,700	6,780	7,550	NS
Arsenic	11.2	3.04	12.3	5.36	2.88	16.0
Barium	**1,120**	82.4	102	**625**	193	400
Calcium	60,400	73,400	21,500	64,500	51,700	NS
Chromium	12.0	17.2	19.3	11.8	18.0	110
Cobalt	4.33	7.32	13.1	4.30	5.08	NS
Copper	20.6	37.0	40.3	19.0	23.2	270
Iron	12,300	14,500	38,500	9,350	12,600	NS
Lead	**2,090**	37.3	204	**1,210**	283	400
Magnesium	2,750	27,600	2,350	3,940	6,440	NS
Manganese	242	188	491	253	160	2,000
Nickel	8.09	15.1	37.6	8.79	13.9	310
Potassium	1,280	3,160	1,080	1,300	2,370	NS
Sodium	1,450	338	179	857	406	NS
Thallium	2.42	4.87	ND	2.27	3.22	NS
Vanadium	20.3	45.9	29.4	22.3	28.1	NS
Zinc	408	83.8	215	780	168	10,000
Mercury	0.77	**1.01**	**1.71**	0.30	0.18	0.81

Constituents	SB-C	SB-SW	SB-SE	SB-NE	SB-NW	6 NYCRR Part 375 Restricted Residential – Soil Cleanup Objectives
Cyanide	0.32	ND	0.16	0.15	ND	27.0

TABLE 2
DEEP (10'-12') SOIL SAMPLE RESULTS

Constituents	SB-C	SB-SW	SB-SE	SB-NE	SB-NW	6 NYCRR Part 375 Soil Cleanup Objectives - Restricted-Residential
Semi-Volatiles	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Phenanthrene	114	143	ND	ND	ND	100,000
fluoranthene	133	190	ND	ND	ND	100,000
Pyrene	128	177	ND	ND	ND	100,000
Benzo(a)anthracene	ND	83.0	ND	ND	ND	1,000
Chrysene	96.4	95.7	ND	ND	ND	3,900
Benzo(b)fluoranthene	102	110	ND	ND	ND	1,000
Benzo(a)pyrene	ND	87.9	ND	ND	ND	1,000
Indeno(1,2,3-c,d)pyrene	ND	61.7	ND	ND	ND	500
Benzo(g,h,i)perylene	119	60.3	ND	ND	ND	100,000
Volatiles	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Acetone	ND	ND	68.9	ND	ND	100,000
Pesticides	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
4,4'-DDE	5.85	ND	5.30	ND	ND	8,900
4-4'-DDD	9.85	ND	8.01	ND	3.47	13,000
4,4-DDT	7.07	ND	32.3	ND	11.3	7,900
Metals	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Aluminum	8,030	3,490	3,420	2,510	5,150	NS
Arsenic	2.48	ND	ND	ND	ND	16.0
Barium	139	32.9	23.2	27.6	60.2	400
Calcium	2,880	1,360	1,390	857	2,330	NS
Chromium	44.9	11.2	9.64	8.73	11.8	110
Cobalt	10.7	2.91	2.60	2.13	5.23	NS
Copper	109	16.1	13.4	17.3	28.5	270
Iron	11,200	6,690	6,160	4,500	8,980	NS
Lead	**482**	11.0	3.89	3.44	5.04	400
Magnesium	6,780	1,630	1,670	1,190	2,630	NS
Manganese	442	61.9	45.4	48.4	283	2,000
Nickel	23.1	7.18	6.66	5.34	12.2	310
Potassium	741	656	683	513	1,080	NS
Sodium	300	118	111	59.7	295	NS
Vanadium	35.6	13.8	10.0	11.0	15.2	NS
Zinc	414	43.0	28.0	24.5	21.3	10,000
Mercury	**125**	**1.10**	0.12	ND	0.02	0.81

ND - Not Detected, NS - No Standard
Bold and Shaded exceeds 6 NYCRR Part 375 Soil Cleanup Objectives for Restricted-Residential use

The intermediate soil samples (2-4, 4-6, 6-8 & 8-10 foot) were analyzed in order to determine the depth to which the contamination extended. Table 3 provides a comparison of the laboratory data and the regulatory agency guidance values. These samples were only analyzed for those constituents which exhibited elevated concentrations in the shallow and/or deep samples. As illustrated in the tables, elevated concentrations were detected at various levels of the site.

TABLE 3
ORIGINAL LIMITED PHASE II INTERMEDIATE SAMPLE RESULTS

Constituents	SB-C 2'-4'	SB-C 4'-6'	SB-C 6'-8'	SB-C 8'-10'	6 NYCRR Part 375 Restricted Residential - Soil Cleanup Objectives
Semi-Volatiles	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Naphthalene	ND	96.0	218	ND	100,000
Acenaphthylene	82.6	ND	ND	ND	100,000
Acenaphthene	ND	101	54.3	ND	100,000
Dibenzofuran	ND	54.5	91.0	ND	NS
Flourene	ND	250	168	ND	100,000
Phenanthrene	458	722	478	ND	100,000
Anthracene	115	138	132	ND	100,000
Flouranthene	875	381	443	ND	100,000
Pyrene	855	502	691	ND	100,000
Benzo(a)anthracene	526	253	343	ND	1,000
Chrysene	488	340	548	ND	3,900
Benzo(b)flouranthene	679	276	443	ND	1,000
Benzo(k)flouranthene	250	90.8	144	ND	3,900
Benzo(a)pyrene	520	213	304	ND	1,000
Indeno(1,2,3-c,d)pyrene	377	153	219	ND	500
Dibenzo(a,h)anthracene	94.1	ND	ND	ND	330
Benzo(g,h,i)perylene	347	156	243	178	100,000
Metals	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Barium	**1,110**	332	**546**	182	400
Chromium	13.7	12.6	8.04	6.60	110
Lead	**3,390**	**798**	**2,660**	345	400
Mercury	**0.83**	0.17	0.34	**9.95**	0.81

Constituents	SB-SW 2'-4'	SB-SW 4'-6'	SB-SW 6'-8'	SB-SW 8'-10'	6 NYCRR Part 375 Restricted Residential - Soil Cleanup Objectives
Metals	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Mercury	0.13	**2.27**	0.09	0.12	0.81

Constituents	SB-NE 2'-4'	SB-NE 6'-8'	SB-NE 8'-10'	6 NYCRR Part 375 Restricted Residential - Soil Cleanup Objectives
Semi-Volatiles	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Naphthalene	ND	ND	ND	100,000
Acenaphthylene	ND	ND	ND	100,000
Acenaphthene	ND	ND	ND	100,000
Dibenzofuran	ND	ND	ND	NS
Fluorene	ND	ND	ND	100,000
Phenanthrene	407	ND	ND	100,000
Anthracene	109	ND	ND	100,000
Fluoranthene	994	ND	ND	100,000
Pyrene	947	ND	ND	100,000
Benzo(a)anthracene	522	ND	ND	1,000
Chrysene	656	ND	ND	3,900
Benzo(b)fluoranthene	864	ND	ND	1,000
Benzo(k)fluoranthene	288	ND	ND	3,900
Benzo(a)pyrene	618	ND	ND	1,000
Indeno(1,2,3-c,d)pyrene	419	ND	ND	500
Dibenzo(a,h)anthracene	ND	ND	ND	330
Benzo(g,h,i)perylene	384	ND	ND	100,000
Metals	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Lead	**571**	118	6.75	400

Constituents	SB-NW 3'-5'	SB-NW 5'-10'	6 NYCRR Part 375 Restricted Residential - Soil Cleanup Objectives
Semi-Volatiles	**ug/kg**	**ug/kg**	**ug/kg**
Acenaphthylene	ND	ND	100,000
Fluorene	ND	ND	100,000
Phenanthrene	69.4	ND	100,000
Anthracene	ND	ND	100,000
Fluoranthene	174	559	100,000
Pyrene	176	571	100,000
Benzo(a)anthracene	93.8	357	1,000
Chrysene	110	336	3,900
Benzo(b)fluoranthene	142	500	1,000
Benzo(k)fluoranthene	50.4	ND	3,900
Benzo(a)pyrene	103	386	1,000
Indeno(1,2,3-c,d)pyrene	86.7	260	500
Dibenzo(a,h)anthracene	ND	ND	330
Benzo(g,h,i)perylene	76.4	273	100,000

ND - Not Detected, NS - No Standard
Bold and Shaded exceeds 6 NYCRR Part 375 Soil Cleanup Objectives for Restricted-Residential use

Groundwater

Both of the groundwater samples collected (NE-GW and SW-GW) exhibited concentrations which exceeded the NYSDEC TOGS 1.1.1 guidance values for five (5) metals. These metals included: chromium, copper, iron, lead and manganese. In addition, the sample collected from the northeast corner of the subject property (NE-GW) exhibited an elevated concentration of sodium that exceeded the NYSDEC guidance value, and the sample collected from the southwest corner of the subject property (SW-GW) exhibited an elevated concentration of barium that exceeded the NYSDEC guidance value. Most of the concentrations exceeded the guidance value by a very small margin, with the exception of iron, which was identified at a concentration of 30.9 mg/L in NW-GW and 41.4 mg/L in SW-GW, and manganese, which was identified at a concentration of 3.93 in NE-GW, in comparison to the guidance values of 0.3 mg/L. It is noted that several of these metals are possibly naturally occurring in soils. Refer to Table 4 for a comparison of the laboratory data and the regulatory guidance values. Based on these results, it is recommended that the regulatory agency be contacted to determine if further action is warranted, specifically with respect to groundwater quality. It is noted that the area of the property has historically been used for commercial/light industrial purposes and low concentrations of semi-volatile organic compounds and metals in groundwater may be ubiquitous.

TABLE 4
GROUNDWATER SAMPLE RESULTS

Constituents	NE-GW	SW-GW	NYSDEC TOGS 1.1.1
Semi-Volatiles	**No Semi-Volatile Organic Compounds Detected**		
Volatiles	**No Volatile Organic Compounds Detected**		
Pesticides	**No Pesticides Detected**		
PCB/Aroclor	**No PCBs Detected**		
Total Metals	**mg/L**	**mg/L**	**mg/L**
Aluminum	25.0	12.9	NS
Calcium	138	120	NS
Barium	0.68	**1.14**	1.0
Beryllium	0.02	ND	NS
Chromium	**0.22**	**0.10**	0.05
Cobalt	0.09	0.05	NS
Copper	**0.43**	**0.31**	0.2
Iron	**30.9**	**41.4**	0.3
Lead	**0.218**	**0.275**	0.025
Magnesium	22.5	21.4	NS
Manganese	**3.93**	**1.96**	0.3
Nickel	0.08	0.05	0.1
Potassium	10.7	9.90	NS
Sodium	**45.4**	ND	20.0
Vanadium	0.13	0.12	NS
Zinc	0.59	0.54	2.0

ND - Not Detected, NS - No Standard
Bold and Shaded exceeds NYSDEC TOGS 1.1.1

Soil Vapor

Review of the soil vapor sampling conducted at the subject property detected elevated levels of several volatile organic compounds in soil vapor at all of the three (3) sample locations. Review of the analytical results revealed that only two (2) compounds for which the NYSDOH has established air guideline values were detected in soil gas and consisted of tetrachloroethene and methylene chloride. The single detection for methylene chloride was found to be below its respective NYSDOH air guideline value of 60 ug/m3. Review of the analytical results found that the detections from soil vapor points in the central (34 ug/m3) and northeastern corner (32 ug/m3) of the property contained concentrations of tetrachloroethene above its NYSDOH guideline value of 30 ug/m3. Review of the analytical results from the outdoor ambient air sample collected from the subject property revealed that the concentrations detected in the subsurface soil vapor samples exceeded the concentrations detected in the outdoor ambient air

sample by large margins in most instances. Since none of these compounds were detected in shallow or deep soil samples on the site, it is expected that they originate from an off-site source and existing in groundwater underlying sites in the area. Refer to Table 5 for a comparison of the laboratory data and the regulatory guidance values. Based on these results, appropriate vapor intrusion mitigation methods should be developed (i.e., vapor barrier sealant) in order to prevent harmful vapors from entering any future construction on the subject property. In addition, these compounds should be included in a monitoring program to assess if changes in these levels occurs over time.

TABLE 5
SUBSURFACE SOIL GAS AND AMBIENT AIR SAMPLING RESULTS

Constituents	SG-C	SG-SW	SG-NE	AA-1	NYSDOH Air Guideline Values
Volatiles	**ug/m^3**	**ug/m^3**	**ug/m^3**	**ug/m^3**	**ug/m^3**
1,2,4-Trimethylbenzene	23	57	81	ND	NV
1,3,5-Trimethylbenzene	ND	16	23	ND	NV
Dichlorodifluoromethane	ND	ND	ND	1.6	NV
4-Ethyltoluene	33	54	69	ND	NV
Acetone	260	41	67	6.6	NV
Benzene	17	9.0	11	0.76	NV
Carbon Disulfide	63	ND	ND	ND	NV
Methyl Ethyl Ketone (2-Butanone)	39	ND	ND	0.63	NV
Cyclohexane	8.6	ND	ND	ND	NV
Ethylbenzene	33	26	33	ND	NV
Methylene Chloride	ND	53	ND	14	60
n-Heptane	33	11	16	0.49	NV
n-Hexane	71	30	44	4.7	NV
o-Xylene	38	39	51	ND	NV
m/p-Xylene	100	93	120	ND	NV
Toluene	120	75	99	2.7	NV
Tetrachloroethylene	***34***	28	***32***	7.7	30
Trichloroflouromethane	ND	16	34	1.4	NV

Notes: ug/m^3 - micrograms per cubic meter; NV - No value provided
Bold/Red exceeds NYSDOH guidelines for volatile organic chemicals in air. Used only for comparison with soil gas results.
Values used for comparison for each sample type/matrix were utilized as per the recommendations in the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York.
NYSDOH Guidance value for Tetrachloroethylene was formally 100 mcg/m^3 as outlined in the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York. However, in a NYSDOH Fact Sheet dated September, 2013 the guideline was revised to 30 mcg/m^3 due to new information on the health effects on humans.

Evaluation of the results finds a decision must be made with respect to the potential need for remedial activities with respect to on-site soils and soil vapor for the subject property based on the shallow soil samples, deep soil samples, groundwater samples and soil vapor samples. Soil samples analyzed detected the presence of concentrations of SVOC's, pesticides, one (1) VOC and metals, including an elevated concentration of mercury in the deep soil sample collected from the center of the subject property that exceeded its guidance value by a large margin. As the proposed building will occupy the entirety of the site, the site will be effectively capped and no direct exposure to on-site soils will occur. Excavated soil from the installation of the building foundation will require proper disposal at a facility licensed to accept such material. Groundwater samples analyzed detected the presence of metals, and soil vapor sampling results revealed that soil vapor intrusion mitigation and future monitoring is warranted at the subject property based on NYSDOH guidance documents to prevent harmful vapors from entering any future construction on the subject property and to determine whether concentrations in the soil vapor changed over time. Given the site circumstances, the following findings are offered:

1. The area surrounding the subject site has historically been used for commercial and light industrial use. Specifically, a portion of the subject property was historically occupied by a dry cleaning facility.
2. The SVOCs detected in soil samples are common petroleum breakdown components which are frequently detected subsurface resources of industrialized areas.
3. No direct on-site source of said elevated SVOC concentrations in groundwater is evident based on the presence of only a few metals in exceedance of the NYSDEC guidance values.
4. Detected compounds may originate from an off-site source.
5. Soil vapor sampling results revealed that future monitoring is recommended at the subject property based on NYSDOH guidance documents to determine whether concentrations in the indoor air and sub-slab vapor changed over time.

Supplemental Sampling

Based on the results of the original sampling event conducted at the subject property, supplemental sampling was completed in order to define the areas and extent of the contamination. The following provides a summary of the supplemental sampling activities and findings:

A Supplemental Phase II ESA sampling event was completed in August 2014 in order to determine the extent of the contamination which was identified in the original Phase II ESA completed in May 2014. During this sampling event soil samples were collected fifteen (15) and thirty (30) feet away from the original sample location in the center of the property to the northeast, northwest and southeast. The southwest samples could not be completed since several piles of soils and concrete were blocking access to these sample locations. These samples were collected in two (2) foot intervals from surface to twelve (12) feet below grade in order to better define the location and depth of the contamination present on-site. Figure 5 provides a location map of the samples collected during this sampling event. The laboratory analysis completed on the samples was reduced to semi-volatile organic, barium, lead and mercury since these constituents were elevated in the original sampling event. Table 6 illustrates the laboratory results for all of the samples analyzed. A review of the laboratory data/tables revealed elevated concentrations of some semi-volatile organic compounds and metals were present in several of the samples collected. The concentrations of lead were significantly elevated in several of the sample locations and at various depths.

Based on the sampling completed in August 2014, the property was divided into nine (9) grids that were approximately 33 feet square. This division of the property into grids would aide in removing the contaminated soil and transporting the soils to the proper facilities since some soils were deemed hazardous. The sampling data would also be utilized as waste characterization samples in order to live load the trucks transporting the soil to the disposal facilities. The laboratory analysis completed on the samples collect in September 2014 was based on New York State Department of Environmental Conservation (NYSDEC) Part 375 and some TCLP analysis. Figure 6 provides a location map of the samples collected during this sampling event. Table 7 illustrate the laboratory results for all of the samples analyzed. A review of the laboratory data/tables revealed elevated concentrations of some semi-volatile organic compounds and

metals were present in several of the samples collected. The concentrations of lead were significantly elevated in several of the sample locations and at various depths. Specifically, Grids 3 through 7 were identified as containing hazardous concentrations of lead with the zero to four (0-4) foot range. Grid 3 also contained hazardous concentrations of lead in the four to eight (4-8) feet and eight to twelve (8-12) feet.

Since several of the grids exhibited elevated concentrations of lead, soil samples were collected from the adjacent grids at the grid lines, and ten (10) and twenty (20) feet into the grids in order to determine of the elevated concentrations extended into the adjacent grids. These samples were collected various depths based on the depth of the lead concentrations in the adjacent grids. Figure 7 provides a sample location map for those samples collected during this round of sampling. All of the samples were analyzed for the presence of lead, both totals and TCLP. Table 8 illustrates the laboratory results of this sampling event. Based on the laboratory results, it was determined that the western half of grid 2 also contained elevated concentrations of lead that were deemed hazardous.

TABLE 6
SUPPLEMNETAL SOIL SAMPLE RESULTS

Constituents	SB-CNW 15' (0-2')	SB-CNW 15' (2-4')	SB-CNW 15' (4-6')	SB-CNW 15' (6-8')	SB-CNW 15' (8-10')	SB-CNW 15' (10-12')	SB-CNW 30' (0-2')	SB-CNW 30' (2-4')	SB-CNW 30' (4-6')	SB-CNW 30' (6-8')	SB-CNW 30' (8-10')	SB-CNW 30' (10-12')	SB-CNE 15' (0-2')	SB-CNE 15' (2-4')	SB-CNE 15' (4-6')	SB-CNE 15' (6-8')	SB-CNE 15' (8-10')	SB-CNE 15' (10-12')	NYSDEC Part 375 Restricted Residential SCO
Total Semi-Volatiles	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Phenanthrene	ND	ND	NS	NS	NS	NS	507	661	NS	NS	NS	NS	4,060	1,890	NS	NS	NS	NS	100,000
Anthracene	ND	ND	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	545	468	NS	NS	NS	NS	100,000
Flouranthene	ND	ND	NS	NS	NS	NS	1,150	1,640	NS	NS	NS	NS	3,890	4,220	NS	NS	NS	NS	100,000
Pyrene	476	ND	NS	NS	NS	NS	1,150	1,880	NS	NS	NS	NS	3,340	4,200	NS	NS	NS	NS	100,000
Benzo-a-Anthracene	ND	ND	NS	NS	NS	NS	947	**1,310**	NS	NS	NS	NS	**1,560**	2,680	NS	NS	NS	NS	1,000
Chrysene	ND	ND	NS	NS	NS	NS	805	1,230	NS	NS	NS	NS	1,620	2,700	NS	NS	NS	NS	3,900
Benzo-b-Flouranthene	ND	525	NS	NS	NS	NS	**1,250**	**1,910**	NS	NS	NS	NS	**2,790**	4,080	NS	NS	NS	NS	1,000
Benzo-k-Flouranthene	ND	ND	NS	NS	NS	NS	477	750	NS	NS	NS	NS	906	1,250	NS	NS	NS	NS	3,900
Benzo-a-Pyrene	ND	ND	NS	NS	NS	NS	939	**1,380**	NS	NS	NS	NS	**1,840**	3,030	NS	NS	NS	NS	1,000
Indeno(1,2,3-c,d)Pyrene	ND	ND	NS	NS	NS	NS	**589**	**823**	NS	NS	NS	NS	**1,060**	1,780	NS	NS	NS	NS	500
Dibenzo-a,h-Anthracene	ND	ND	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	ND	424	NS	NS	NS	NS	330
Benzo-g,h,i-Perylene	ND	433	NS	NS	NS	NS	857	1,030	NS	NS	NS	NS	1,310	2,090	NS	NS	NS	NS	100,000
Total Metals	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Barium	85.6	23.2	**498**	330	**730**	**992**	213	165	219	72.9	75.3	120	225	540	**427**	**1,460**	196	86.0	400
Lead	**13.7**	10.8	**1,020**	**1,420**	**1,630**	**3,230**	200	249	357	13.4	7.10	10.0	307	1,170	**923**	**11,600**	424	227	400
Mercury	0.02	ND	0.63	**0.98**	0.22	1.67	0.11	0.11	0.15	0.03	0.02	0.02	0.12	0.33	0.26	0.48	0.14	0.58	0.81
TCLP Metals	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Barium	NS	NS	NS	NS	NS	NS	1.54	NS	NS	NS	NS	0.938	NS	NS	NS	NS	NS	NS	5.0
Cadmium	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	NS	ND	NS	NS	NS	NS	NS	NS	5.0
Copper	NS	NS	NS	NS	NS	NS	0.06	NS	NS	NS	NS	ND	NS	NS	NS	NS	NS	NS	5.0
Lead	NS	NS	NS	NS	NS	NS	**8.74**	NS	NS	NS	NS	ND	NS	NS	NS	NS	NS	NS	5.0
Nickel	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	NS	ND	NS	NS	NS	NS	NS	NS	5.0
Zinc	NS	NS	NS	NS	NS	NS	1.84	NS	NS	NS	NS	ND	NS	NS	NS	NS	NS	NS	5.0

Constituents	SB-CNE 30' (0-2')	SB-CNE 30' (2-4')	SB-CNE 30' (4-6')	SB-CNE 30' (6-8')	SB-CNE 30' (8-10')	SB-CNE 30' (10-12')	SB-CSE 15' (0-2')	SB-CSE 15' (2-4')	SB-CSE 15' (4-6')	SB-CSE 15' (6-8')	SB-CSE 15' (8-10')	SB-CSE 15' (10-12')	SB-CSE 30' (0-2')	SB-CSE 30' (2-4')	SB-CSE 30' (4-6')	SB-CSE 30' (6-8')	SB-CSE 30' (8-10')	SB-CSE 30' (10-12')	NYSDEC Part 375 Restricted Residential SCO
Total Semi-Volatiles	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Phenanthrene	554	655	NS	NS	NS	NS	1,620	2,750	NS	NS	NS	NS	2,700	430	NS	NS	NS	NS	100,000
Anthracene	ND	ND	NS	NS	NS	NS	531	813	NS	NS	NS	NS	710	ND	NS	NS	NS	NS	100,000
Flouranthene	1,520	1,190	NS	NS	NS	NS	5,160	6,400	NS	NS	NS	NS	6,600	711	NS	NS	NS	NS	100,000
Pyrene	1,620	1,130	NS	NS	NS	NS	5,400	7,040	NS	NS	NS	NS	7,000	653	NS	NS	NS	NS	100,000
Benzo-a-Anthracene	**1,120**	739	NS	NS	NS	NS	**3,580**	4,690	NS	NS	NS	NS	**4,270**	449	NS	NS	NS	NS	1,000
Chrysene	1,060	686	NS	NS	NS	NS	3,620	4,370	NS	NS	NS	NS	3,850	390	NS	NS	NS	NS	3,900
Benzo-b-Flouranthene	**1,770**	**1,030**	NS	NS	NS	NS	**5,900**	5,560	NS	NS	NS	NS	**4,940**	573	NS	NS	NS	NS	1,000
Benzo-k-Flouranthene	511	341	NS	NS	NS	NS	2,030	1,780	NS	NS	NS	NS	1,290	ND	NS	NS	NS	NS	3,900
Benzo-a-Pyrene	**1,220**	709	NS	NS	NS	NS	**4,170**	**4,400**	NS	NS	NS	NS	**3,630**	409	NS	NS	NS	NS	1,000
Indeno(1,2,3-c,d)Pyrene	**838**	479	NS	NS	NS	NS	**2,390**	**2,460**	NS	NS	NS	NS	**1,880**	252	NS	NS	NS	NS	500
Dibenzo-a,h-Anthracene	ND	ND	NS	NS	NS	NS	**547**	**521**	NS	NS	NS	NS	**429**	ND	NS	NS	NS	NS	330
Benzo-g,h,i-Perylene	1,030	571	NS	NS	NS	NS	2,690	2,980	NS	NS	NS	NS	2,080	306	NS	NS	NS	NS	100,000
Total Metals	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Barium	223	**565**	188	176	219	102	**922**	281	**1,320**	**725**	**653**	**400**	177	175	244	232	**1,640**	53.5	400
Lead	**2,430**	**1,190**	132	51.1	95.1	106	**2,170**	**623**	**3,240**	**1,920**	**1,150**	321	159	227	**452**	**413**	**886**	117	400
Mercury	0.07	0.21	0.22	0.20	0.17	0.52	0.54	0.23	0.73	0.27	0.33	**1.17**	0.13	0.18	0.17	**5.64**	**1.89**	0.26	0.81
TCLP Metals	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Barium	0.673	NS	NS	NS	NS	0.842	NS	NS	NS	NS	NS	1.22	1.35	NS	NS	NS	NS	0.914	5.0
Cadmium	ND	NS	NS	NS	NS	ND	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	0.14	5.0
Copper	0.05	NS	NS	NS	NS	0.22	NS	NS	NS	NS	NS	0.63	ND	NS	NS	NS	NS	0.94	5.0
Lead	26.2	NS	NS	NS	NS	0.77	NS	NS	NS	NS	NS	2.43	3.68	NS	NS	NS	NS	5.06	5.0
Selenium	ND	NS	NS	NS	NS	ND	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	0.16	5.0
Nickel	ND	NS	NS	NS	NS	ND	NS	NS	NS	NS	NS	0.15	ND	NS	NS	NS	NS	ND	5.0
Zinc	3.39	NS	NS	NS	NS	0.87	NS	NS	NS	NS	NS	2.99	0.40	NS	NS	NS	NS	ND	5.0

TABLE 7
WASTE CHARACTERIZATION GRID SAMPLE RESULTS

Constituents	Grid-1 0-4'	Grid-1 4-8'	Grid-1 8-12'	Grid-2 0-4'	Grid-2 4-8'	Grid-2 8-12'	Grid-3 0-4'	Grid-3 4-8'	Grid-3 8-12'	Grid-4 0-4'	Grid-4 4-8'	Grid-4 8-12'	Grid-5 0-4'	Grid-5 4-8'	Grid-5 8-12'	Grid-6 0-4'	Grid-6 4-8'	Grid-6 8-12'	NYSDEC Part 375 Restricted Residential SCO
Total Semi-Volatiles	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Naphthalene	ND	ND	ND	ND	ND	182	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000
Acenaphthylene	701	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	899	ND	ND	ND	ND	ND	100,000
Acenaphthene	1,100	ND	ND	ND	ND	46.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000
Dibenzofuran	539	ND	ND	ND	ND	372	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Flourene	1,560	ND	ND	ND	ND	194	ND	ND	ND	ND	ND	ND	899	ND	ND	ND	ND	ND	100,000
Phenanthrene	16,800	ND	ND	ND	ND	3,100	ND	2,160	ND	1,350	1,430	87.1	12,000	ND	ND	158	534	ND	100,000
Anthracene	4,340	ND	ND	ND	ND	102	ND	587	ND	ND	ND	ND	2,560	ND	ND	ND	ND	ND	100,000
Carbazole	524	ND	ND	ND	ND	208	ND	ND	ND	ND	ND	ND	792	ND	ND	ND	ND	ND	NS
Flouranthene	19,200	195	ND	987	ND	2,910	1,350	5,570	ND	4,160	2,550	145	20,900	ND	633	435	987	84.9	100,000
Pyrene	20,400	191	ND	1,000	ND	2,320	1,380	5,560	ND	4,360	2,630	130	19,200	ND	656	441	994	94.8	100,000
Benzo-a-Anthracene	**11,000**	104	ND	560	ND	835	964	**3,300**	ND	**2,750**	**1,450**	80.7	**12,100**	ND	502	276	735	95.7	1,000
Chrysene	**9,930**	101	ND	560	ND	1,050	964	3,470	ND	3,090	1,740	80.0	**11,200**	ND	486	219	772	117	3,900
Bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	129	ND	12,700	390	ND	ND	107	ND	ND	ND	ND	1,310	435	NS
Di-n-octyl-phthalate	ND	ND	ND	ND	ND	ND	ND	2,050	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Benzo-b-Flouranthene	**10,500**	191	ND	777	ND	**1,160**	**1,130**	**4,140**	ND	**3,950**	**1,830**	110	**12,800**	ND	540	242	868	280	1,000
Benzo-k-Flouranthene	3,210	180	ND	ND	ND	561	556	1,450	ND	1,770	651	48.9	**3,990**	ND	ND	138	519	130	3,900
Benzo-a-Pyrene	**7,410**	189	ND	544	ND	713	978	**2,710**	ND	**2,840**	**1,340**	58.8	**9,920**	ND	ND	192	638	121	1,000
Indeno(1,2,3-c,d)Pyrene	**4,530**	74.7	ND	ND	ND	429	**556**	**2,080**	ND	**1,890**	**935**	51.0	**6,720**	ND	ND	141	571	184	500
Dibenzo-a,h-Anthracene	**1,060**	ND	ND	ND	ND	102	ND	**511**	ND	**634**	ND	ND	**1,370**	ND	ND	55.0	ND	66.8	330
Benzo-g,h,i-Perylene	5,310	98.3	ND	482	ND	470	756	2,650	ND	2,590	1,000	56.7	7,420	ND	556	165	660	212	100,000
2-Nitrophenol	ND	46.5	42.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
2-Methylnaphthalene	ND	ND	ND	ND	ND	231	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Benzoic Acid	ND	161	147	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Hexachlorocyclopentadiene	ND	77.0	70.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
2-Nitroaniline	ND	48.8	43.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
2,6-Dintrotoluene	ND	51.8	48.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
3-Nitroaniline	ND	54.9	50.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
2,4-Dinitrophenol	ND	270	251	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
2,4-Dinitrotoluene	ND	82.3	75.8	ND	82.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
4-Nitroaniline	ND	45.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
4,6-Dinitro-2-methylphenol	ND	205	227	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Pentachlorophenl	ND	73.9	66.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
TCLP Semi-Volatiles	**No TCLP Semi-Volatile Organic Compounds were Detected**																		
Total Volatiles	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Bromomethane	11.9	ND	ND	8.78	ND	ND	ND	ND	ND	ND	ND	ND	7.63	ND	ND	ND	ND	ND	NS
Acetone	ND	ND	ND	ND	ND	158	71.1	70.2	59.3	ND	ND	ND	ND	ND	66.1	75.1	ND	ND	100,000
Methylene Chloride	9.22	ND	ND	12.0	ND	5.98	7.04	12.2	8.34	57.8	ND	6.65	8.66	ND	11.8	75.1	8.41	11.1	100,000
Carbon Disulfide	ND	ND	ND	ND	ND	ND	10.5	ND	ND	ND	ND	ND	8.94	ND	ND	ND	ND	ND	NS
Methyl Ethyl Ketone	ND	ND	ND	ND	ND	13.4	11.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15.3	ND	ND	ND	4,800
Toluene	ND	ND	ND	ND	ND	14.9	ND	ND	ND	ND	ND	ND	6.88	ND	19.6	ND	ND	ND	100,000
TCLP Volatiles	**No TCLP Volatile Organic Compounds were Detected**																		
TCLP Pesticides	**No TCLP Pesticides were Detected**																		
TCLP Herbicides	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
2,4,5-TP (Silvex)	ND	ND	ND	ND	ND	2.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
PCBs	**No TCLP PCB's were Detected**																		

TABLE 7 (continued)
WASTE CHARACTERIZATION GRID SAMPLE RESULTS

Constituents	Grid-1 0-4'	Grid-1 4-8'	Grid-1 8-12'	Grid-2 0-4'	Grid-2 4-8'	Grid-2 8-12'	Grid-3 0-4'	Grid-3 4-8'	Grid-3 8-12'	Grid-4 0-4'	Grid-4 4-8'	Grid-4 8-12'	Grid-5 0-4'	Grid-5 4-8'	Grid-5 8-12'	Grid-6 0-4'	Grid-6 4-8'	Grid-6 8-12'	NYSDEC Part 375 Restricted Residential SCO
Total Metals	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Arsenic	6.99	5.98	ND	4.35	2.60	ND	2.43	5.66	ND	4.53	10.6	ND	5.73	9.08	8.58	3.92	5.55	**667**	16
Barium	264	135	29.6	**422**	128	47.5	227	**995**	74.9	**427**	**1,050**	46.3	**1,260**	208	273	61.7	320	**735**	400
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.11	**7.39**	4.3
Chromium	13.5	8.95	10.3	17.1	9.96	11.5	13.1	26.6	13.4	14.2	5.99	10.1	16.9	8.51	23.8	14.8	19.0	31.8	110
Copper	13.5	31.8	9.58	20.5	12.3	48.5	20.7	36.5	35.4	26.2	37.8	10.7	34.8	339	175	20.4	93.5	**2,170**	270
Lead	**441**	220	2.42	**720**	190	112	**408**	**1,930**	132	810	295	14.0	**2,140**	598	188	95.1	**899**	**10,900**	400
Nickel	9.49	7.18	7.25	11.2	8.67	9.60	12.5	9.91	10.1	11.9	11.7	7.44	10.4	21.2	20.5	11.8	14.0	36.0	310
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	77.0	180
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.79	180
Zinc	166	185	9.44	280	174	174	167	491	50.0	2.77	220	47.0	752	296	229	76.2	2,730	3,420	10,000
Mercury	0.17	0.23	ND	0.22	0.09	0.40	0.74	**0.97**	0.06	0.23	0.29	0.02	**0.87**	**0.82**	0.51	0.54	0.34	0.08	0.81
Miscellaneous																			
Extractable Petroleum Hydrocarbons	ND	ND	ND	274	ND	ND	ND	105	ND	ND	ND	ND	82.5	ND	80.5	ND	ND	ND	NS
Diesel Range Organics	29.0	ND	ND	274	ND	ND	ND	105	ND	ND	35.1	ND	82.5	72.6	80.5	ND	ND	ND	NS
Flashpoint	>140	>140	>140	>140	>140	>140	>140	>140	>140	>140	>140	>140	>140	>140	>140	>140	>140	>140	NS
pH	8.85	9.62	8.06	7.83	10.24	10.58	8.53	10.44	8.63	8.63	8.35	8.65	7.79	8.03	7.47	8.40	9.08	8.59	NS
Temperature@ pH	25.80	25.70	25.50	25.50	25.50	25.50	26.60	26.30	25.70	25.80	25.80	25.70	25.60	25.50	25.70	25.70	25.60	25.80	NS
TCLP Metals	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Barium	1.38	0.354	0.325	0.475	0.237	0.336	0.520	0.451	0.687	0.870	0.709	0.475	0.172	0.456	ND	0.621	0.395	0.779	5.0
Cadmium	ND	ND	ND	ND	ND	ND	ND	0.02	ND	ND	0.02	ND	ND	ND	ND	ND	ND	ND	5.0
Copper	ND	ND	ND	ND	ND	ND	ND	0.06	0.52	ND	ND	ND	ND	ND	ND	ND	ND	2.37	5.0
Lead	2.85	0.18	ND	3.80	ND	ND	**13.1**	**6.99**	0.34	3.46	1.68	ND	ND	0.43	ND	**6.78**	0.15	0.17	5.0
Nickel	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05	ND	ND	0.05	ND	ND	ND	ND	5.0
Zinc	1.53	0.36	ND	2.74	ND	0.08	4.00	**6.70**	0.36	1.18	2.77	ND	ND	2.88	ND	3.80	1.11	3.10	5.0

TABLE 7 (continued)
WASTE CHARACTERIZATION GRID SAMPLE RESULTS

Constituents	Grid-7 0-4'	Grid-7 4-8'	Grid-7 8-12'	Grid-8 0-4'	Grid-8 4-8'	Grid-8 8-12'	Grid-9 0-4'	Grid-9 4-8'	Grid-9 8-12'	NYSDEC Part 375 Restricted Residential SCO
Total Semi-Volatiles	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Acenaphthylene	ND	ND	592	ND	ND	ND	ND	ND	ND	100,000
Phenanthrene	ND	ND	1,200	ND	82.6	ND	691	ND	ND	100,000
Flouranthene	ND	ND	4,640	932	142	ND	1,740	52.6	ND	100,000
Pyrene	ND	ND	5,330	1,130	139	ND	1,790	50.5	ND	100,000
Benzo-a-Anthracene	ND	ND	**3,800**	676	92.7	ND	**1,340**	ND	ND	1,000
Chrysene	ND	ND	3,460	726	88.0	ND	1,120	ND	ND	3,900
Bis(2-Ethylhexyl)phthalate	93.4	ND	ND	ND	191	64.0	ND	159	ND	NS
Benzo-b-Flouranthene	ND	ND	**5,230**	**1,040**	90.4	ND	**1,630**	ND	ND	1,000
Benzo-k-Flouranthene	ND	ND	1,590	455	ND	ND	580	ND	ND	3,900
Benzo-a-Pyrene	ND	ND	**3,540**	754	54.5	ND	**1,080**	ND	ND	1,000
Indeno(1,2,3-c,d)Pyrene	ND	ND	**2,710**	**527**	48.3	ND	**779**	ND	ND	500
Dibenzo-a,h-Anthracene	ND	ND	**550**	ND	ND	ND	ND	ND	ND	330
Benzo-g,h,i-Perylene	ND	ND	3,270	648	71.7	ND	1,050	ND	ND	100,000
TCLP Semi-Volatiles	**No TCLP Semi-Volatile Organic Compounds were Detected**									
Total Volatiles	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Bromomethane	56.9	39.6	ND	ND	ND	ND	ND	ND	8.70	NS
Acetone	ND	ND	ND	ND	ND	ND	69.1	ND	ND	100,000
Methylene Chloride	ND	26.6	ND	ND	ND	ND	9.78	9.10	ND	100,000
TCLP Volatiles	**No TCLP Volatile Organic Compounds were Detected**									
TCLP Pesticides	**No TCLP Pesticides were Detected**									
TCLP Herbicides	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
2,4,5-TP (Silvex)	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
PCBs	**No TCLP PCB's were Detected**									
Total Metals	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Arsenic	ND	ND	ND	2.46	2.65	ND	3.07	ND	ND	16
Barium	86.6	62.9	30.4	72.5	110	16.7	137	64.9	45.9	400
Chromium	20.3	11.8	10.7	12.5	5.34	6.82	20.2	13.2	10.2	110
Copper	21.5	14.9	11.0	25.7	204	9.93	28.7	17.3	13.0	270
Lead	88.7	34.1	2.18	21.2	96.3	10.5	119	27.5	6.26	400
Nickel	15.3	8.28	8.41	11.5	8.34	4.66	14.7	9.02	6.37	310
Zinc	107	29.5	27.6	46.6	48.3	19.2	1,610	52.6	25.9	10,000
Mercury	0.39	0.16	ND	0.21	**1.72**	0.14	0.28	0.63	0.65	0.81
Miscellaneous										
Flashpoint	>140	>140	>140	>140	>140	>140	>140	>140	>140	NS
pH	8.44	9.11	8.52	8.41	8.05	8.31	9.02	8.46	7.98	NS
Temperature@ pH	25.60	25.70	26.50	25.60	25.70	25.60	25.70	25.70	25.60	NS
TCLP Metals	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Barium	1.09	0.696	0.443	0.493	0.374	0.239	1.95	0.461	0.169	5.0
Copper	ND	ND	0.06	ND	0.05	ND	ND	0.08	ND	5.0
Lead	0.28	0.15	0.10	0.31	0.93	0.15	ND	0.11	ND	5.0
Zinc	1.47	0.47	0.33	0.69	1.81	0.27	ND	1.10	0.12	5.0

TABLE 8
ADJACENT GRID SAMPLE RESULTS

Sample ID	Total Lead	TCLP Lead	Sample ID	Total Lead	TCLP Lead
Grid 4 5’	**2,930**	1.80	Grid 7/8 A 0-4	**651**	0.20
Grid 5 5’	**2,560**	0.76	Grid 7/8 B 0-4	**1,320**	0.45
Grid 6 5’	**8,300**	ND	Grid 7/8 C 0-4	**1,940**	0.05
Grid 7 5’	**6,500**	0.18	Grid 5/2 A 0-4	**4,200**	0.67
Grid 5/8 A 0-4	**2,170**	0.35	Grid 5/2 A 4-8	**1,610**	2.91
Grid 5/8 A 4-8	**962**	0.36	Grid 5/2 A 8-12	**2,750**	1.52
Grid 5/8 A 8-12	29.1	ND	Grid 5/2 B 0-4	**5,110**	**17.5**
Grid 5/8 B 0-4	**956**	0.06	Grid 5/2 B 4-8	**5,500**	0.46
Grid 5/8 B 4-8	**1,230**	ND	Grid 5/2 B 8-12	54.6	0.11
Grid 5/8 B 8-12	27.6	ND	Grid 5/2 C 0-4	**23,000**	**18.8**
Grid 5/8 C 0-4	285	ND	Grid 5/2 C 4-8	**5,640**	0.74
Grid 5/8 C 4-8	**1,220**	ND	Grid 5/2 C 8-12	5.02	ND
Grid 5/8 C 8-12	32.4	0.09	Grid 3/2 A 0-4	**1,050**	0.39
Grid 4/1 A 0-4	**2,440**	0.52	Grid 3/2 A 4-8	71.1	0.12
Grid 4/1 B 0-4	**620**	0.19	Grid 3/2 A 8-12	113	0.43
Grid 4/1 C 0-4	186	ND	Grid 3/2 B 0-4	**5,410**	1.08
Grid 6/9 A 0-4	256	ND	Grid 3/2 B 4-8	**3,780**	3.91
Grid 6/9 A 4-12	124	ND	Grid 3/2 B 8-12	**5,660**	2.37
Grid 6/9 B 0-4	**1,800**	ND	Grid 3/2 C 0-4	**2,780**	0.45
Grid 6/9 B 4-12	**1,090**	0.15	Grid 3/2 C 4-8	**7,010**	1.14
Grid 6/9 C 0-4	**609**	1.05	Grid 3/2 C 8-12	227	1.23
Grid 6/9 C 4-12	249	ND			

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FIGURE 4
PHASE II
SAMPLE LOCATION MAP

Source: ESRI Web Mapping Service

Scale: 1 inch = 25 feet

N

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FIGURE 5
SUPPLEMENTAL SAMPLE LOCATION MAP

Source:Bing Maps Orthophoto, 2014

Scale: 1 inch = 25 feet

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FIGURE 6
GRID SAMPLE LOCATION MAP

Source: Bing Maps Orthophotos, 2014

Scale: 1 inch = 25 feet

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FIGURE 7
ADJACENT GRID SAMPLE LOCATION MAP

Source: Bing Map Orthophoto, 2014

Scale: 1 inch = 25 feet

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APPENDIX 6

CONSTRUCTION HEALTH AND SAFETY PLAN

APPENDIX 7

VAPOR BARRIER SPECIFICATIONS