BASIS SCHOOL

BROOKLYN, NEW YORK

Remedial Action Report

556 COLUMBIA STREET

BROOKLYN, NEW YORK

Block 601, Lot 17

BSA# 14BSA052K/556 Columbia Street School

NYC VCP Number: 14CVCP193K

Prepared for:

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AUGUST 2015

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LIST OF ACRONYMS

Acronym	Definition
CAMP	Community Air Monitoring Plan
DER-10	NYS DEC Division of Environmental Remediation Technical Guidance Manual 10
EC	Engineering Control
HASP	Health and Safety Plan
IC	Institutional Control
NYC VCP	New York City Voluntary Cleanup Program
NYC DEP	New York City Department of Environmental Protection
NYC DOHMH	New York City Department of Health and Mental Hygiene
NYC OER	New York City Office of Environmental Remediation
ORC	Oxygen Release Compound
PID	Photoionization Detector
QA/QC	Quality Assurance/Quality Control
QEP	Qualified Environmental Professional
RAR	Remedial Action Report
RAWP	Remedial Action Work Plan
SCG	Standards, Criteria and Guidance
SCO	Soil Cleanup Objective
SMMP	Soil/Materials Management Plan
SMP	Site Management Plan
SVOCs	Semi-Volatile Organic Compounds
UST	Underground Storage Tank
VOCs	Volatile Organic Compounds

CERTIFICATION

I, James Venture am currently a registered professional engineer licensed by the State of New York. I had primary direct responsibility for implementation of the remedial program for the Basis School Site 14CVCP193K.

I, Christopher B. Brown, am a qualified Environmental Professional. I had primary direct responsibility for implementation remedial program for the Basis School Site 14CVCP193K.

We certify that the OER-approved Remedial Action Work Plan dated October 28,2013and Stipulations in a letter dated March 31, 2014 were implemented and that all requirements in those documents have been substantively complied with. We 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, to the best of our knowledge.

James Venture
Name

090502
PE License Number

Signature

September 2, 2015
Date

Christopher B. Brown, CPG
QEP Name

QEP Signature

September 2, 2015
Date

EXECUTIVE SUMMARY

Site Location and Prior Usage

The Site is located at 556 Columbia Street in the Red Hook section of Brooklyn, New York and is identified as Block 601 and Lot 17 on the New York City Tax Map (Figure 1). The Site is 48,800-square feet and is bounded by Bay Street to the north, Sigourney Street to the south, and Columbia Street to the east, to the west is an adjoining warehouse. A map of the site boundary is depicted in Figure 1. Prior to development, the Site was vacant but was previously used for manufacturing lithographic varnish and vehicle parking for a trucking company and various tenants, including a bus company. No site improvements remained prior to work, with the exception of an abandoned loading dock along the western property boundary, and several storm water drywells.

Summary of Redevelopment Plan

The proposed future use of the site consisted of a new private school with grades K through 12. Parking areas and landscaping around the perimeter cover the lot at the current grade. The new school was constructed over the grade-level parking lot. The school is 80,000 square feet and consists of five floors with no ground-level occupied spaces, with the exception of a small area (1,000 sq ft) used for site security. Excavation depths during construction ranged from approximately 0 to 5 feet below grade. Excavation below the water table was not encountered. The current zoning designation is M-1-1, which is a Special Mixed Use District. The proposed use is consistent with existing zoning for the property, but required a special use permit from the NYC Board of Standards and Appeals.

Summary of Past Uses of Site and Environmental Findings

The history of the subject property and surrounding area was researched through a review of readily ascertainable standard historical sources. These sources included current and past owners, property records, recorded land title records, property tax files, building department records and/or zoning & land use records. This review was conducted in order to identify those uses that are likely to have led to recognized

environmental conditions. Following, is a summary of these findings.

The subject property was initially developed in the early 1900s as the CWH Carter Lithographic Varnish Works, which covered the eastern 2/3 of the block between Columbia Street and Otsego Street to the east and west, and Bay and Sigourney Streets to the north and south. Several kettles and a furnace were operated on site, presumably for preparing varnish. A barrel shed and offices were located on site as well. By 1950 the site had been converted to the Cambeis Trucking Company and presumably served as the terminal for the operation. The site continued to be operated as a parking area for trucks and busses until the current use. No certificates of occupancy were available with NYC Buildings Department. The department of Finance building classification is "garage/gas station". There is no evidence that the subject property was operated as a gas station. Refueling facilities may have been operated on site for the former trucking operation.

The subject property is currently owned by Red Hook Property Group LLC. Property ownership history was researched through deeds at ACRIS online. Previous owners and the approximate date of purchase are listed below. This ownership record is based on reasonably attainable information, may be incomplete, and does not constitute a title search.

The ownership history is as follows:

Flippy Realty Corp. Red Hook Property Group LLC 6/29/2005
Rainforth & Kelly Inc. Flippy Realty Corp. 1/23/1986
Columbia St. Associates Rainforth & Kelly Inc. 6/17/1970
Marvin Realty Corp. Columbia St. Associates 6/17/1970
Cambeis, Mary W. Marvin Realty Corp. 9/8/1967
Mae Realty Co. Inc. Cambeis, Mary W. 9/8/1967

Potential areas of concern (AOCs) included:

- Potential releases of wastes or chemical products from the lithographic varnish manufacturing business that operated on the subject property.

- Potential leakage of fuel or other hazardous or regulated substances from parked vehicles.

- Releases of petroleum or hazardous/regulated materials on properties near the subject property.

Summary of the Remedial Actions

A Pre-Application Meeting was held on August 27, 2013. A Remedial Investigation (RI) was performed between July 31 and October 25, 2013 and a RI Report dated October, 2013 as prepared to evaluate data and information necessary to develop a Remedial Action Work Plan (RAWP). A Site Contact List was established and a RAWP dated October, 2013 was prepared and released with a Fact Sheet on October 2013 for a 30-day public comment period. The RAWP and Stipulation List dated November, 22, 2013was approved by the New York City Office of Environmental Remediation (OER) on December 4, 2013. This Stipulation List was updated on March 31, 2014. A Pre-Construction Meeting was held on December 9, 2013. A Fact Sheet providing notice of the start of the remedial action was issued on December 9, 2013 and the remedial action was begun in December, 2013 and completed in December 2014.

The remedial actions consisted of:

1. Prepared a Community Protection Statement and performed all required NYC VCP Citizen Participation activities according to an approved Citizen Participation Plan (CPP).

2. Performed a Community Air Monitoring Program for particulates, volatile organic carbon compounds and mercury.

3. Established Track 4 Soil Cleanup Objectives (SCOs).

4. Excavated and removed soil/fill exceeding Track 4 Site Specific SCOs. Four hot spots were excavated to a minimum depth of three feet as determined by remedial end point sampling;

5. Screened excavated soil/fill during intrusive work for indications of contamination by visual means, odor, and monitoring with a PID. Appropriately segregated excavated media on-site;

6. Demarcated residual soil/fill in open space areas.

7. Transported all soil/fill material off-Site to permitted disposal facilities in accordance with applicable laws and regulations for handling, transport, and disposal, and this plan. Sample and analysis of excavated media was completed as required by the disposal facilities.

8. A total of 4,784.22 tons of non-hazardous soil/fill was excavated and removed from the property. A total of 289.88 tons of hazardous soil/fill was excavated and removed from the property.

9. Collected end-point samples for analysis to determine the performance of the remedy with respect to attainment of SCOs;

10. Imported 4,784 tons of clean material for backfill and cover in compliance with this plan and in accordance with applicable laws and regulations;

11. Installed an approximately 4,000 square feet Vapor Barrier System that consisted of a seven-layer co-extruded barrier made from polyethylene and EVOH resins VaporBlock® Plus™ 20 beneath approximately 4,000 square feet of the building slab (the area consisted of the building entry area, security station, elevator pit, and central stairwell). A photographic log showing the different stages of construction of the Vapor Barrier System is presented. The contractor for construction of the Vapor Barrier System was Canyon Building & Design;

12. Installed a passive Sub-Slab Depressurization System (SSDS) beneath approximately 4,000 square feet of the building slab (the area consisted of the building entry area, security station, elevator pit, and central stairwell). The SSDS was comprised of three basic layers: 1) the bottom layer was comprised of aggregate stone with a lateral perforated pipe system leading to a riser pipe to the roof of the building where it is connected to a rotary wind turbine; 2) the middle layer was comprised of sealed VaporBlock® Plus™ 20, and; 3) the top layer was

comprised of 6 inches of concrete. An as-built design of the SSDS is available in Appendix 9. A photographic log showing the different stages of construction of the SSDS is presented. The contractor for construction of the passive SSDS was Canyon Building & Design;

13. Constructed an engineered composite cover consisting of a concrete building slab consisting of 6 inches of concrete over 6 inches of gravel, concrete parking area consisting of 6 inches of concrete over a 6 inch sub-base of compacted stone, concrete sidewalks consisting of 4 inches of concrete over a 6 inch of sub-base of compacted earth, and 2 feet of clean fill that meets Part 375-6.8 residential soil quality standards and groundwater protection standards in open space areas (less than 10% of the site) with a demarcation barrier overlying any residual soils to prevent human exposure to residual soil/fill remaining under the Site;
14. Implemented storm-water pollution prevention measures in compliance with applicable laws and regulations;
15. Performed activities required for the remedial action, including permitting requirements and pretreatment requirements, in compliance with applicable laws and regulations;
16. Site mobilization involving Site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas;
17. Submission of this Remedial Action Report (RAR) that describes the remedial activities, certifies that the remedial requirements have been achieved, defines the Site boundaries, and describes all Engineering and Institutional Controls to be implemented at the Site, and lists any changes from this RAWP;
18. Submission of an approved Site Management Plan (SMP) in the RAR for long-term management of residual soil and fill, including plans for maintenance, inspection and certification of Engineering and Institutional Controls and reporting at a specified frequency;

19. Institutional Controls including 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) are requirement for OER approval prior to change of land usage;

20. Submitted a Sustainability Report;

21. Recorded a Declaration of Covenants and Restrictions with the property deed with the County Clerk 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 Site Management Plan (SMP). Institutional Controls including the following: (1) prohibition of vegetable gardening and farming in residual soil; (2) prohibition of the use of groundwater beneath the site without treatment rendering it safe for the intended use; (3) prohibition of disturbance of residual soil unless it is conducted in accordance with the SMP; and (4) prohibition of higher levels of land usage than the restricted residential/restricted commercial uses addressed by this Remedial Action without prior notification and approval by OER.

REMEDIAL ACTION REPORT

1.0 SITE BACKGROUND

Highmark Schools has enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a property located at 556 Columbia Street in the Red Hook section of Brooklyn, New York. The boundary of the property subject to this Remedial Action is shown in Figure 1 and include, in their entirety, Brooklyn Block 601and Lot 17.

The Remedial Action was performed pursuant to the OER-approved RAWP in a manner that has rendered the property protective of public health and the environment consistent with its intended use. This RAR describes the remedial action performed under the RAWP. 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 PRIOR USAGE

The Site is located in the Red Hook section of Brooklyn, New York and is identified as Block 601 and Lot 17 on the New York City Tax Map. Figure 2 is a Site location map. The Site is 49,800 -square feet and is bounded by Bay Street to the north, Sigourney Street to the south, Columbia Street to the east, and an adjacent warehouse to the west. Previously, the Site was used for parking for various tenants and contained no site improvements with the exception of an abandoned loading dock along the western property boundary.

1.2 REDEVELOPMENT PLAN

The proposed future use of the Site consisted of a new charter school. Parking areas cover the lot at the current grade. The new school was constructed over the grade-level parking lot. The total square footage of the school is 80,000 square feet and consists of five floors with no ground-level occupied spaces, with the exception of a small (1,000 sq ft) security outpost. Layout of the proposed site development is

presented in Figure 3. The current zoning designation is M-1-1. The site is generally level and was re-graded to prepare the site for future construction. The volume of material relocated across the site was 200 cubic yards. Excavation was also necessary to install site utilities. Excavation below the water table was not encountered.

1.3 DESCRIPTION OF SURROUNDING PROPERTY

The subject property is located in a mixed use residential and light industrial area. The property is zoned m-1-1 and a special use permit was requested from Board of Standards and Appeals (BSA) for the project. The property to the west and south are open space and park land, with a community garden to the south on the south side of Sigourney Street. Figure 4 shows the surrounding land usage.

1.4 REMEDIAL INVESTIGATION

A remedial investigation was performed and the results are documented in a companion document called "*Remedial Investigation Report, BASIS Schools*", dated October 2013(RIR).

The following work has been performed at the site:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed 45 soil borings across the entire project Site, and collected 102 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed 7 groundwater monitoring wells throughout the Site to establish groundwater flow and collected 10 groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed 6 soil vapor probes around the Site perimeter and collected 6 samples for chemical analysis.
5. Elevation of the property above mean sea level ranges from 3 to 7 feet.
6. Depth to groundwater ranges from 4 to 7 feet below grade at the Site.

7. Groundwater flow is generally from north to south beneath the Site.
8. Depth to bedrock is approximately 150 feet at the Site.
9. The stratigraphy of the site, from the surface down, consists of 4 to 6 feet of unconsolidated fill, underlain by 2 to 3 feet of organic rich wetland deposits, underlain by 140 feet of unconsolidated coastal plain sediments of silt and sand, underlain by the Manhattan Formation.
10. Soil/fill samples collected during the RI showed several VOCs were detected at trace concentrations and below Track 1 Unrestricted Use SCOs. Three VOCs including 1,3,5-Trimethylbenzene (max. of 25 ppb), 2-Butanone (max. of 140 ppb), and acetone (max. of 2,500 ppb) were detected above Unrestricted Use SCOs but below Track 2 Restricted Residential SCOs. Acetone was detected in all soil samples. Several SVOCs were identified in soil including benzo(a)anthracene (max 100,000 ppb), benzo(a)pyrene (max 86,000 ppb), benzo(b)-fluoranthene (max 20,000 ppb), benzo(k)fluoranthene (max 85,000 ppb), chrysene (max 100,000 ppb), dibenz(a,h)anthracene (max 4,300 ppb), dibenzofuran (max of 17,000 ppb), fluoranthene (max 240,000 ppb) and indeno(1,2,3-cd)pyrene (max 40,000 ppb), and pyrene (max 190,000 ppb). Of these SVOCs benzo(a)anthracene, benzo(a)pyrene, benzo(b)-fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene and pyrene were detected above Restricted Residential Use SCOs. Three SVOC hotspot (max. total of 1,556 ppm) areas have been identified (in the vicinity of GB-6, GB-11 and GB-12). The PCB (PCB-1232) was detected in one sample at 297 ug/kg, exceeding Unrestricted Use SCOs but below Track 2 Restricted residential SCOs. Five pesticides including 4,4'-DDE (max of 42 ug/kg), 4,4'-DDD (max of 86.3 ug/kg), 4,4'-DDT (max of 33.6 ug/kg), cis-Chlordane (max of 271 ug/kg) and Chlordane (max of 3130 ug/kg) were detected in half the samples at concentrations exceeding Unrestricted Use SCOs but below Track 2 Restricted Residential SCOs. Metals including arsenic (max of 160 mg/kg) barium (max 2,900 mg/kg), cadmium (max of 11 mg/kg), chromium (max of

100 mg/kg), copper (max of 40,000 mg/kg), lead (max of 10,000 mg/kg), mercury (max of 4.8 mg/kg) and zinc (max of 8,100 mg/kg) exceeded Unrestricted Use SCOs. Of these metals, arsenic, barium, cadmium, copper, lead and mercury also exceeded Restricted Residential Use SCOs. There is a copper hotspot in the vicinity of GB-7. Metals were distributed throughout the site soils. No soil samples contained VOCs, PCBs or pesticides at concentrations exceeding Restricted Residential Use SCOs.

11. Groundwater samples collected during the RI showed no detectable concentration of PCBs or Pesticides. Several VOCs were detected at trace concentration. Only two VOCs, isopropylbenzene (max of 62 ug/L) and total xylenes (7.8 ug/L), exceeded New York State 6NYCRR Part 703.5 Groundwater Quality Standards (GQS). Five SVOCs including benzo(a)anthracene (15 ug/L), benzo(b)-fluoranthene (16 ug/L), benzo(k)fluoranthene (7.3 ug/L), chrysene (16 ug/L), and Indeno(1,2,3-cd)pyrene (4.1 ug/L) exceeded GQS. Metals including arsenic (34 ug/L), barium (3,800 ug/L), beryllium (8.5 ug/L), iron (max of 48,000 ug/L), and manganese (max of 1,500 ug/L) were detected dissolved in groundwater samples above GQS. MW-3 contained the highest concentrations of metal and SVOC exceedences.

12. The soil vapor 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. Soil vapor samples showed generally low levels of petroleum related and chlorinated VOCs in all soil vapor samples. Most contaminant concentrations were below 50 ug/m^3 except for acetone, which was detected in all samples at a maximum concentration of 1300 ug/m^3 and hexane (850 ug/m^3). Tetrachloroethylene was detected in 2 of the 6 samples at a maximum concentration of 2.5 µg/m^3. Trichlorethylene was detected in 4 of the 6 samples all at a maximum concentration of 7.4 µg/m^3. Carbon tetrachloride, and 1,1,1-trichloroethane (1,1,1-TCA), were not detected in any soil vapor samples during this RI. The TCE concentrations are

above the monitoring level ranges established within the State NYS DOH soil vapor guidance matrix.

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

2.0 DESCRIPTION OF REMEDIAL ACTIONS

The Remedial Action was performed pursuant to the OER-approved RAWP in a manner that has rendered the property protective of public health and the environment consistent with its intended use. This RAR describes the remedial action performed under the RAWP. 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.

The remedial action was evaluated in an alternatives analysis and was determined to be protective of human health and the environment, compliant with standards, criteria, and guidelines (SCGs), effective in the short-term, effective in the long-term, capable of attaining appropriate levels of reduction of toxicity, mobility, or volume of contaminated material, implementable, cost effective, acceptable to the community, consistent with land uses, and sustainable.

A general summary of the Remedial Action is as follows:

- A Pre-Application Meeting was held (August 27, 2013).
- A Remedial Investigation (RI) was performed and a Remedial Investigation Report was prepared (October, 2013).
- A Remedial Action Work Plan (RAWP) was prepared (October, 2013).
- An Application Fact Sheet was released announcing a 30-day public comment period on the RAWP (November 4, 2013).
- The RAWP and Stipulation List dated (November 22, 2013) was approved by the New York City Office of Environmental Remediation (December 4, 2013).
- A Pre-Construction Meeting was held (December 9, 2013).
- A Fact Sheet providing notice of the start of the Remedial Action was issued (December 9, 2013).
- Remedial Action was begun in December, 2013 and completed in August, 2015.

The following Remedial Actions were completed in this program:

The preferred remedial action alternative was the Track 4 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 achieved 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 was cost effective and implementable and used standards methods that are well established in the industry.

The remedial action consisted of:

1. Prepared a Community Protection Statement and performed all required NYC VCP Citizen Participation activities according to an approved Citizen Participation Plan (CPP).
2. Performed a Community Air Monitoring Program for particulates, volatile organic carbon compounds and mercury.
3. Established Track 4 Soil Cleanup Objectives (SCOs).
4. Excavated and removed soil/fill exceeding Track 4 Site Specific SCOs. Four hot spots were excavated to a minimum depth of three feet as determined by remedial end point sampling;
5. Screened excavated soil/fill during intrusive work for indications of contamination by visual means, odor, and monitoring with a PID. Appropriately segregated excavated media on-site;
6. Demarcated residual soil/fill in open space areas.
7. Transported all soil/fill material off-Site to permitted disposal facilities in accordance with applicable laws and regulations for handling, transport, and disposal, and this plan. Sample and analysis of excavated media was completed as required by the disposal facilities. A total of 4,784.22tons of non-hazardous soil/fill was excavated and removed from the property.

8. A total of 4,784.22 tons of non-hazardous soil/fill was excavated and removed from the property. A total of 289.88 tons of hazardous soil/fill was excavated and removed from the property.

9. Collected end-point samples for analysis to determine the performance of the remedy with respect to attainment of SCOs;

10. Imported 4,784 tons of clean material for backfill and cover in compliance with this plan and in accordance with applicable laws and regulations;

11. Installed an approximately 4,000 square feet Vapor Barrier System that consisted of a seven-layer co-extruded barrier made from polyethylene and EVOH resins VaporBlock® Plus™ 20 beneath approximately 4,000 square feet of the building slab (the area consisted of the building entry area, security station, elevator pit, and central stairwell). A photographic log showing the different stages of construction of the Vapor Barrier System is presented. The contractor for construction of the Vapor Barrier System was Canyon Building & Design;

12. Installed a passive Sub-Slab Depressurization System (SSDS) beneath approximately 4,000 square feet of the building slab (the area consisted of the building entry area, security station, elevator pit, and central stairwell). The SSDS was comprised of three basic layers: 1) the bottom layer was comprised of aggregate stone with a lateral perforated pipe system leading to a riser pipe to the roof of the building where it is connected to a rotary wind turbine; 2) the middle layer was comprised of sealed VaporBlock® Plus™ 20, and; 3) the top layer was comprised of 6 inches of concrete. A photographic log showing the different stages of construction of the SSDS is presented. The contractor for construction of the passive SSDS was Canyon Building & Design;

13. Constructed an engineered composite cover consisting of a concrete building slab consisting of 6 inches of concrete over 6 inches of gravel, concrete parking area consisting of 6 inches of concrete over a 6 inch sub-base of compacted stone, concrete sidewalks consisting of 4 inches of concrete over a 6 inch of sub-base of compacted earth, and 2 feet of clean fill that meets Part 375-6.8 residential soil

quality standards and groundwater protection standards in open space areas (less than 10% of the site) with a demarcation barrier overlying any residual soils to prevent human exposure to residual soil/fill remaining under the Site;

14. Implemented storm-water pollution prevention measures in compliance with applicable laws and regulations;
15. Performed activities required for the remedial action, including permitting requirements and pretreatment requirements, in compliance with applicable laws and regulations;
16. Site mobilization involving Site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas;
17. Submission of this Remedial Action Report (RAR) that describes the remedial activities, certifies that the remedial requirements have been achieved, defines the Site boundaries, and describes all Engineering and Institutional Controls to be implemented at the Site, and lists any changes from this RAWP;
18. Submission of an approved Site Management Plan (SMP) in the RAR for long-term management of residual soil and fill, including plans for maintenance, inspection and certification of Engineering and Institutional Controls and reporting at a specified frequency;
19. Institutional Controls including 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) are requirement for OER approval prior to change of land usage;
20. Submitted a Sustainability Report;
21. Recorded a Declaration of Covenants and Restrictions with the property deed with the County Clerk 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 Site Management Plan (SMP). Institutional

Controls including the following: (1) prohibition of vegetable gardening and farming in residual soil; (2) prohibition of the use of groundwater beneath the site without treatment rendering it safe for the intended use; (3) prohibition of disturbance of residual soil unless it is conducted in accordance with the SMP; and (4) prohibition of higher levels of land usage than the restricted residential/restricted commercial uses addressed by this Remedial Action without prior notification and approval by OER.

3.0 COMPLIANCE WITH REMEDIAL ACTION WORK PLAN

3.1 HEALTH & SAFETY PLAN

The remedial construction activities performed under this program were in compliance with the Health and Safety Plan and applicable laws and regulations. The Site Safety Coordinator was Conor Tarbell.

3.2 COMMUNITY AIR MONITORING PLAN

The Community Air Monitoring Plan provided for the collection and analysis of air samples during remedial construction activities to ensure proper protections were employed to protect workers and the neighboring community. Monitoring was performed in compliance with the Community Air Monitoring Plan in the approved RAWP. The results of Community Air monitoring are shown in Appendix 4.

3.3 SOIL/MATERIALS MANAGEMENT PLAN

The Soil/Materials Management Plan provided detailed plans for managing all soil/materials that were disturbed at the Site, including excavation, handling, storage, transport and disposal. It also included a series of controls to assure effective, nuisance free remedial activity in compliance with applicable laws and regulations. Remedial construction activities performed under this program were in compliance with the SMMP in the approved RAWP.

3.4 STORM-WATER POLLUTION PREVENTION

Storm water pollution prevention included physical methods and processes to control and/or divert surface water flows and to limit the potential for erosion and migration of Site soils, via wind or water. Remedial construction activities performed under this program were in full compliance with methods and processes defined in the RAWP for storm water prevention and applicable laws and regulations.

3.5 DEVIATIONS FROM THE REMEDIAL ACTION WORK PLAN

Soil was excavated deeper than initially anticipated to meet SCOs in two of the four hot spots. Two of the end-point samples did not meet SCOs, these data were reviewed with OER personnel on December 24, 2013. The RAWP called for placement of cover consisting of poured concrete and sub-base material in the areas of the exceedence of SCO's and thus no human exposure would be possible, implementation of site management including periodic inspections to ensure that engineering controls remained in place and functioning as designed over the long term operation of the facility, and a deed notice to ensure that site management conditions were complied with over the long term. Based on OER's review of all of the factors, the concentrations of contaminants in end-point samples was determined to be protective of human health and the environment, did not present an exposure hazard to future site occupants, and the remedial objectives were achieved.

4.0 REMEDIAL PROGRAM

4.1 PROJECT ORGANIZATION

Principal personnel who participated in the remedial action include:

- Conor Tarbell, Staff Geologist
- Timothy Pagano, Senior Hydrogeologist.

The Professional Engineer (PE) and Qualified Environmental Professionals (QEP) for this project are:

- Christopher Brown, CPG, Principal and Senior Hydrogeologist
- James Venture, PE, Principal and Principal Engineer

4.2 SITE CONTROLS

Site Preparation

Mobilization

Mobilization was conducted as necessary for each phase of work at the Site. Mobilization included 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 attended an orientation meeting to become familiar with the general operation of the Site, health and safety requirements, and field procedures.

Fencing

The site was secured with plywood fencing along three sides of the site, the fourth side was along a tall warehouse wall.

Utility marker layout

The presence of utilities and easements on the Site was 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). All invasive activities were 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.

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.

Acquisition of agency approvals

All required agency approvals were obtained.

Signage

An OER Project Notice was erected at the project entrance and was in place during all phases of the Remedial Action.

Soil Screening

A visual and olfactory assessment of excavated materials was performed under the supervision of a Qualified Environmental Professional. PID meters were continually operated by field personnel to monitor the ambient VOC levels at the downwind perimeter during all invasive work.

Stockpile Management

Soil/fill was segregated based on contents. Separate piles were created containing concrete, asphalt or non-hazardous soil respectively. In one event a “hot-spot” was encountered due to lab testing on behalf of the permitted disposal facility; a separate pile was formed on top of a polyethylene layer. This pile was subject to additional testing and found to be non-hazardous.

Truck Inspection

In order to prevent off-site migration of the on-site contaminated soil, a gravel ramp was laid and the trucks hauling the contaminated material were brushed to remove contaminated material adhering to their surfaces. Trucks hauling the contaminated material were covered in order to control the generation of fugitive dust and/or leakage

from the trucks during transport. Trucks were inspected for mud/dirt on the tires as they exited the subject property in order to prevent debris from being tracked out onto the sidewalk and subsequent public street. The sidewalk and street were swept as necessary due to minor debris for the duration of the work day and at the end of each work day.

Site Security

The subject property was fully surrounded by plywood fence on 3 sides and along a warehouse on the 4th side; encapsulating it from the general public. At the end of the work day, the main gate of the subject property was locked with a heavy-duty chain and lock.

Nuisance Controls

The Community Air Monitoring Program included the use of a pDR 1000an to measure dust/particulate matter upwind, downwind and at the mouth of active excavations. PIDs were used for volatile organic compound detection upwind, downwind and at the mouth of active excavations. A mercury meter was used at the mouth of active excavations.

Reporting

Daily reports were sent to OER and included the following: date, weather, work activities performed, work location, samples collected, problems encountered, planned activities for the subsequent day, waste transported offsite and pictures of the day's work. All daily and monthly reports are included in Appendix 4. Digital photographs of the Remedial Action are included in Appendix 4.

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4.3 MATERIALS EXCAVATION AND REMOVAL

Track 4 soil cleanup standards were proposed for the excavation at the Site. Approximately 1,989.4 tons of asphalt/concrete mix (Table 4) and 4,784.22 tons of contaminated soil was excavated from the subject property. The excavated asphalt/concrete mix was disposed of at Rizzo Environmental Services of Maspeth, NY. The excavated non-hazardous soils were disposed of at several different disposal facilities (see listed in Section 4.4 below). Prior to disposal, waste characterization

sampling and approvals were obtained from each disposal facility. A map showing the location where excavations were performed is shown in Figure 5. Copies of the disposal waste manifests are provided in Appendix 6.

End Point Sample Results

Excavated and removed soil/fill exceeding Track 4 Site Specific SCOs. Hot spots were excavated to a minimum depth of three feet as determined by remedial end point sampling;

a. The northwest hotspot was excavated to a depth of 3-feet below grade; two end point samples were collected, analyzed for total semi-volatile organic compounds (SVOCs), barium, lead, and mercury. as specified in the RAP and were confirmed to meet Track 4 SCO.

b. The southwest hotspot was excavated to a depth of 3-feet below grade; two end point samples were taken collected, analyzed for total semi-volatile organic compounds (SVOCs), barium, lead, and mercury. as specified in the RAP and did not meet Track 4 SCO. Hotspots were excavated to an additional 2-feet for a total of 5-feet below grade and two end point samples were collected, analyzed for parameters specified in the RAP. The second samples were collected at the water table interface and did not meet the Track 4 SCOs.

c. The southeast hotpot was excavated to a depth of 3-feet below grade; two end point samples were collected and analyzed for total semi-volatile organic compounds (SVOCs), barium, lead, and mercury as specified in the RAP; one sample was confirmed to meet Track 4 SCO while the second did not. The location of the sample which did not meet SCOs was excavated to an additional 2-feet for a total of 5-feet below grade where an additional end point sample was collected and analyzed for parameters specified in the RAP. The second samples were collected at the water table interface and did not meet the Track 4 SCOs.

d. The northeast hotspot was excavated to a depth of 3-feet below grade; two end point samples were collected, analyzed for total semi-volatile organic compounds (SVOCs), barium, lead, and mercury as specified in the RAP and confirmed to meet Track 4 SCO.

Excavation of contaminated soil terminated at the water table interface. Two of the end-point samples did not meet SCOs, these data were reviewed with OER personnel on December 24, 2013. The RAWP called for placement of cover consisting of poured concrete and sub-base material in the areas of the exceedence of SCO's and thus no human exposure would be possible, implementation of site management including periodic inspections to ensure that engineering controls remained in place and functioning as designed over the long term operation of the facility, and a deed notice to ensure that site management conditions were complied with over the long term. Based on OER's review of all of the factors, the concentrations of contaminants in end-point samples was determined to be protective of human health and the environment, did not present an exposure hazard to future site occupants, and the remedial objectives were achieved. Backfilling of all excavations was approved by OER on December 24, 2103.

A map of end-point sample locations is shown in Figure 6. A tabular summary of end-point sampling results compared to SCO's is included in Table 1.These residual concentrations of metals above the Track 4 SCOs established for this property were evaluated to assess the potential for environmental and public health impact. This evaluation shows that the building is protected with a composite cover system and that exceedences in soils were all located below the composite cover with no potential exposure pathways to occupants of the building. Similarly, despite elevated soil concentrations, groundwater does not exhibit exceedence of Groundwater Quality Standards for these metals and there is no associated public health or environmental exposures. Finally, potential future exposures from soil excavation after the completion of the Remedial Action will be addressed by the development and implementation of the Site Management Plan in this RAR. On the basis of this evaluation, management of these soils in place was determined to be protective of public health and the environment.

Additionally, large quantities of soil were excavated and disposed of as a function of the construction phase of the redevelopment project (between February 2014 and July 2015). For each phase of disposal waste characterization samples were collected and analyzed according to respective disposal facility protocols. Because the construction contractor utilized soil disposal brokers, PVES personnel were not involved in the collection of waste characterization samples for the disposal of materials between February 2014 and July 2015. Disposal facility approval letters were obtained and submitted to PVES personnel Documentation of load out was conducted by PVE Sheffler personnel on most occasions. Materials disposed of are described below.

4.4 MATERIALS DISPOSAL

The excavated soils were disposed of at several different disposal facilities (see listed in the table below). Waste characterization sampling and approvals were obtained from each disposal facility. The OER was notified and approval obtained prior to initiation of the soil excavation.

Soil

Disposal Location/Address	Type of Material	Dates Loaded Out	Quantity
Clean Earth, Philadelphia, PA	Non-Hazardous	12/13/13 – 12/23/13	1,225.34 tons
Clean Earth, Kearny, NJ	Non-Hazardous	12/23/13	261.41 tons
Keegan Landfill, Kearny, NJ	Non-Hazardous	3/12/14 -3/26/14	2,456.79 tons
Clean Earth, Kearny, NJ	Hazardous-Contaminated	12/18/14-2/4/2015	58.09 tons
Bayshore Soil Management LLC	Non-Hazardous	9/16/14 – 7/14/2015	863.62 tons
TOTAL			**4,865.25 tons**

For more information see Table 3.

Concrete & Asphalt

Disposal Location/Address	Type of Material	Dates Loaded Out	Quantity
Rizzo Environmental Services Maspeth, NY St. Clair Trucking, Ronkonkoma, NY	Asphalt/Concrete Mix	12/10/13-12/20/14	1,989.4 tons
TOTAL			**1,989.4 tons**

For more information see Table 4.

Letters from Highmark to the disposal facility providing materials type, source and data, and acceptance letters from each disposal facility stating it is approved to accept the above materials are attached in Appendix 5. Manifests are included in Appendix 6. Waste characterization sample results are presented in Table 7.

Based on our review of the disposal facility information provided, it is our professional opinion that these facilities are appropriately permitted to accept these materials.

4.5 BACKFILL IMPORT

Backfill material required at the site for hot-spot completion (recycled concrete aggregate) was imported from Liotta & Sons Inc. of Island Park, NY and Eagle 1 Industries Inc. of Oakland Gardens, with approval from OER (Table 6 and Appendix 14). Additional backfill was imported from Allocco Recycling, of Brooklyn, NY (Table 6 and Appendix 14) (This facility is permitted by New York City Department of Sanitation and New York State Department of Environmental Conservation as a fill

material registration facility (DOS#15 DEC#24WA3). RCA material was reclaimed concrete aggregate with less than 10% fines, as documented by sieve analysis (Appendix 14); no additional analytical was necessary. A total of 2,754 yards of recycled concrete aggregate was imported to the site.

A total of 700 yards of top soil was imported for purposes of completing the composite site cover from Bissett Nursery, of Holtsville, NY. Analytical reports documenting compliance with SCOs is included in Appendix 15.

A table of all sources of backfill with quantities for each source is shown in Table 6. A map showing backfill placement locations at the Site is shown in Figure 7.

4.6 DEMARACTION

Soil below the final cover is residual soil that will be addressed by site management under this remedial action. Appendix 9 contains photo documentation of the demarcation layer installed between 2 feet of clean fill and native site materials below.

5.0 ENGINEERING CONTROLS

Engineering Controls were employed in the Remedial Action to address residual soil remaining at the site. The Site has three primary Engineering Control Systems. These are:

(1) a Composite Cover System consisting of asphalt covered roads, concrete covered sidewalks, and concrete building slabs;

(2) Vapor Barrier System;

(3) Passive Sub-Slab Depressurization System

Composite Cover System

Exposure to residual soil/fill is prevented by an engineered Composite Cover System that has been built on the Site. This Composite Cover System is comprised of a concrete building slab consisting of 6 inches of concrete over 6 inches of gravel, concrete parking area consisting of 6 inches of concrete over a 6 inch sub-base of compacted stone, concrete sidewalks consisting of 4 inches of concrete over a 6 inch of sub-base of compacted earth, and 2 feet of clean fill that meets Part 375-6.8 residential soil quality standards and groundwater protection standards in open space areas (less than 10% of the site) with a demarcation barrier overlying any residual soils to prevent human exposure to residual soil/fill remaining under the Site

See figures 8 and 9, and Appendix 9 for details. The contractor for construction of the Composite Cover System is Canyon Building & Design.

Appendix 9 shows the as-built design for each remedial cover type used on this Site. Figure 9 shows the location of each cover type built at the Site.

Vapor Barrier System

Exposure to soil vapor is prevented by a Vapor Barrier System that has been built on the Site. This Vapor Barrier System consists of a seven-layer co-extruded barrier made from state-of-the-art polyethylene and EVOH resins to provide impact strength as well as superior resistance to gas and moisture transmission. VaporBlock® Plus™ 20 was installed over approximately 4,000 square feet. VaporBlock® Plus™ 20 consists of a seven-layer co-extruded barrier made from polyethylene and EVOH resins VaporBlock®

Plus™ 20 beneath approximately 4,000 square feet of the building slab (the area consisted of the building entry area, security station, elevator pit, and central stairwell). The vapor barrier is located beneath the 6”concrete cover. A photographic log showing the different stages of construction of the Vapor Barrier System is available in Figure 10 and Appendix 9. The contractor for construction of the Vapor Barrier System was Canyon Building & Design;

Passive Sub-Slab Depressurization System

Following completion of the site excavation, a passive SSDS was installed beneath the bottom of the foundation slab of the security office and the vapor barrier. The SSDS was comprised of three basic layers: 1) the bottom layer was comprised of aggregate stone with a lateral perforated pipe system leading to a riser pipe to the roof of the building, where it is connected to a rotary wind turbine; 2) the middle layer was comprised of sealed VaporBlock® Plus™ 20, and; 3) the top layer was comprised of 6 inches of concrete. The location of SSDS laterals is described in Appendix 9, and consists of PVC pipe in an approximately H-Shaped network of horizontal perforated piping running beneath the center of the foundation slab, two non-perforated vertical vent risers extending to the roof where it is connected to a rotary wind turbine. This SSDS will safely vent any sub slab soil vapors and prevent vapor accumulation under the slab, thereby protecting the new building from intrusion of any potential future off-site organic vapors.

Figure 10 shows the as built design for the SSDS used on this Site.

6.0 INSTITUTIONAL CONTROLS

A series of Institutional Controls are required under this Remedial Action to assure permanent protection of public health by elimination of exposure to residual materials. These IC's define the program to operate, maintain, inspect and certify the performance of Engineering Controls and Institutional Controls on this property. These Institutional Controls will be implemented in accordance with the Site Management Plan included in this RAR.

Institutional Controls for this property are:

(1) Recording of an OER-approved Declaration of Covenant and Restrictions (DCR) with the deed with the Brooklyn County Clerk. The recorded DCR is included as Appendix 11. The DCR includes a description of all ECs and ICs, summarizes the requirements of the Site Management Plan, and notes that the property owner and property owner's successors and assigns are required to comply with the approved SMP;

(2) Compliance with an OER-approved Site Management Plan including procedures for appropriate operation, maintenance, inspection, and certification of performance of EC's and IC's. The property owner and property owner's successors and assigns will inspect EC's and IC's and submit to OER a written certification that evaluates their performance in a manner and at a frequency to be determined by OER;

(3) Engineering Controls will not be discontinued without prior OER approval;

(4) OER has the right to enter the Site upon notice for the purpose of evaluating the performance of EC's and IC's;

(5) Vegetable gardens and farming in residual soil/fill on the Site are prohibited;

(6) Use of groundwater underlying the Site without treatment rendering it safe for its intended use is prohibited;

(7) All future activities on the Site that will disturb residual soil/fill must be conducted pursuant to the Soil/Materials Management provisions of the SMP, or otherwise approved by OER;

(8) The Site is intended to be used for restricted commercial use and will not be used for a higher level of use without prior approval by OER.

7.0 SITE MANAGEMENT PLAN

Site Management is the last phase of the remedial process and begins after the approval of the Remedial Action Report (RAR) and issuance of the Notice of Completion (NOC) by OER. It is the responsibility of the property owner to ensure that all Site Management responsibilities are performed. The penalty for failure to implement the SMP includes revocation of the Notice of Completion and all associated certifications and liability protections.

Engineering Controls and Institutional Controls have been incorporated into this Remedial Action to ensure that the site remains protective of public health and the environment. Generally, EC's provide physical protective measures and IC's provide restrictions on Site usage and establish remedial operation, maintenance, inspection and certification measures. This Site Management Plan has been established to govern long-term performance of EC's and IC's for this property.

The SMP provides a detailed description of procedures required to manage residual material at the Site following the completion of remedial construction in accordance with the NYC Voluntary Cleanup Agreement with OER. This includes: (1) operation and maintenance of Engineering Controls; (2) inspection of EC's and IC's; and (3) certification of performance of EC's and IC's.

ENGINEERING CONTROLS

Engineering Controls were employed in the remedial action to address residual materials remaining at the site. The Site has three Engineering Control Systems. Engineering Controls for this property are:

1. a Composite Cover System consisting of asphalt covered roads, concrete covered sidewalks, and concrete building slabs;
2. Vapor Barrier System;
3. Passive Sub-Slab Depressurization System

Operation and Maintenance of Composite Cover System

Chapter 5 describes the Composite Cover System utilized in this Remedial Action and provides as-built design details and the location of each cover type. The Composite Cover System is a permanent Engineering Control for the Site. The system will be inspected and its performance certified at specified intervals defined in this SMP. A Soil/Materials Management Plan is included in this Site Management Plan and outlines the procedures to be followed in the event that the composite cover system and underlying residual soil/material must be disturbed after the Remedial Action is complete.

The Composite Cover System does not require any special operation or maintenance activities. If the system is breached during future construction activities, the system will be rebuilt by reconstructing the system according to the original design and tying newly constructed cover layers into existing cover layers to form a continuous layer(s).

Operation and Maintenance of Vapor Barrier System

Chapter 5 describes the Vapor Barrier System utilized in this Remedial Action and provides as-built design details and the system location. The Vapor Barrier System is a permanent Engineering Control for the Site. The system will be inspected and its performance certified at specified intervals defined in this SMP.

The Vapor Barrier System does not require any special operation or maintenance activities. If the system is breached during future construction activities, the system will be rebuilt by reconstructing the vapor barrier layers and sealing the newly constructed materials with existing barrier materials in accordance with manufacturer specifications.

Operation and Maintenance of Passive Sub-Slab Depressurization System

Chapter 5 describes the Passive Sub-Slab Depressurization System utilized in this Remedial Action and provides as-built design details and the system location. The SSDS is a permanent Engineering Control for the Site. The system does not require and special operation or maintenance. The system will be inspected and its performance certified at specified intervals defined in this SMP.

INSTITUTIONAL CONTROLS

A series of Institutional Controls are required under this Remedial Action to assure permanent protection of public health by elimination of exposure to residual materials. These IC's define the program to operate, maintain, inspect and certify the performance of Engineering Controls and Institutional Controls on this property. These Institutional Controls will be implemented in accordance with the Site Management Plan included in this RAR.

Institutional Controls are also designed to prevent future exposure to residual soil/materials by controlling disturbances in the subsurface, restrict higher uses of the property than those addressed by the Remedial Action and establish restrictions on activities and site usage. Institutional Controls for this property are:

Institutional Controls for this property are:

(1) Recording of an OER-approved Declaration of Covenant and Restrictions (DCR) with the deed with the Brooklyn County Clerk. The recorded DCR is included as Appendix 11. The DCR includes a description of all ECs and ICs, summarizes the requirements of the Site Management Plan, and notes that the property owner and property owner's successors and assigns are required to comply with the approved SMP;

(2) Compliance with an OER-approved Site Management Plan including procedures for appropriate operation, maintenance, inspection, and certification of performance of EC's and IC's. The property owner and property owner's successors and assigns will inspect EC's and IC's and submit to OER a written certification that evaluates their performance in a manner and at a frequency to be determined by OER;

(3) Engineering Controls will not be discontinued without prior OER approval;

(4) OER has the right to enter the Site upon notice for the purpose of evaluating the performance of EC's and IC's;

(5) Vegetable gardens and farming in residual soil/fill on the Site are prohibited;

(6) Use of groundwater underlying the Site without treatment rendering it safe for its intended use is prohibited;
(7) All future activities on the Site that will disturb residual soil/fill must be conducted pursuant to the Soil/Materials Management provisions of the SMP, or otherwise approved by OER;
(8) The Site is intended to be used for restricted commercial use and will not be used for a higher level of use without prior approval by OER.

INSPECTIONS

Engineering Controls and Institutional Controls will be inspected on a regular basis, as specified in this SMP. Each inspection will evaluate the following:

- If Engineering Controls or Institutional Controls employed at the Site continue to perform as designed and continue to be protective of human health and the environment;
- If anything has occurred that impairs the ability of the Engineering Controls or Institutional Controls to protect public health and the environment;
- If changes are needed to the remedial systems or controls;
- If compliance with this SMP has been maintained;
- If site records are complete and up to date; and
- General Site conditions at the time of inspection.

In addition, monthly inspections will be performed by building custodial staff to ensure that the Engineering Controls continue to be in place and performing as they were designed. Training will be provided by a QEP and a checklist will be established to guide these custodial inspections. If problems are identified, such as a breach in the cover system, the QEP will be notified and the problem will be inspected and corrected.

In an addition, if an emergency occurs, such as a natural disaster, or if an unforeseen failure of any of the Engineering Controls occurs, an inspection of the Site will be performed within 14 days to evaluate the Engineering Controls and a letter report of findings will be submitted to OER.

Inspection of Composite Cover System

- Inspection of the composite cover will consist of a visual inspection of concrete slab, asphalt and landscaping and will include all accessible locations including the site perimeter and all internal access points on the ground floor. The inspector will document any faulty or defective conditions observed during the inspection, broken or damaged concrete, or any failure in the integrity of the floor that would compromise the ability of the composite cover to perform as an engineering control.

Inspection of Vapor Barrier System and Passive Sub-Slab Depressurization System

- The above ground piping, rotary wind turbine and will be inspected to determine if they are intact and operating as designed. The vapor barrier will be inspected by inspecting the overlying cover system, and directly if rendered visible during an inspection of a breach to the composite cover. If the inspector observes a failure in the composite cover that exposes the vapor barrier, then the underlying vapor barrier will be inspected for any damage, including tears or perforations, which would prevent the vapor barrier from completing its intended purpose.

Site Use Prohibitions

Inspections to evaluate the status of site use prohibitions will include an evaluation of whether there is vegetable gardening or farming in residual soil/fill; whether groundwater underlying the site has been used without treatment rendering it safe for its intended use; whether activities that have disturbed site soil/fill have been conducted pursuant to the Soil/Material Management provisions of the SMP, or otherwise approved by OER; and whether the site has been used for a higher level of use other than the restricted commercial use addressed by the Remedial Action.

INSPECTION AND CERTIFICATION LETTER REPORT

Results of inspections performed during a reporting period and certification of performance of all Engineering Controls and Institutional Controls will be included in an Inspection and Certification Letter Report to be submitted by July 30, 2016 (for the reporting period calendar year 2015); July 30, 2019 (for the reporting period calendar

years 2016-2018); and every three years thereafter (for the reporting period consisting of the three prior calendar years). Inspection and Certification Letter Reports will be submitted to OER in digital format. The letter report will include, at a minimum:

- Date of inspections;
- Personnel conducting inspections;
- Description of the inspection activities performed;
- Any observations, conclusions, or recommendations;
- Copy of any inspection forms;
- Certification of the performance of Engineering Controls and Institutional Controls, as discussed below.

The certification of the performance of EC's and IC's will establish:

- If Engineering Controls or Institutional Controls employed at the Site continue to be in place and perform as designed and continue to be protective of human health and the environment;
- If anything has occurred that impairs the ability of Engineering Controls or Institutional Controls to protect public health and the environment;
- If changes are needed to the remedial systems or controls;
- If compliance with this Site Management Plan has been maintained;
- If vegetable gardening and farming in residual soils has been prevented;
- If groundwater underlying the Site is being utilized without treatment rendering it safe for the intended purpose has been prevented;
- If activities on the Site that have disturbed residual soil/fill material have been in accordance with the Soil/Materials Management Plan in this SMP;
- If the Site has been used for a higher level of use other than the restricted commercial use addressed by the Remedial Action;
- If site records are complete and up to date;
- If the Site continues to have an OER-approved Declaration of Covenants and Restrictions recorded with the property deed by the Brooklyn County Clerk.

OER may enter the Site upon notice for the purpose of evaluating the performance of EC's and IC's.

NOTIFICATIONS

Notifications will be submitted by the property owner to OER as described below:

- 60-day advance notice of any proposed changes in Site use, such as an upgrade from existing use to commercial use that was not contemplated is the Remedial Action.
- Notice within 14 days of any emergency, such as a fire, flood, or earthquake that has the potential to reduce the effectiveness of Engineering Controls in place at the Site.

SOIL/MATERIALS MANAGEMENT PLAN

Any future intrusive work that will disturb residual soil/fill beneath the property, including modifications or repairs to the existing composite cover system, will be performed in compliance with this Soil/Materials Management Plan (SMMP) in Appendix 2. Intrusive work will also be conducted in accordance with the procedures defined in the Community Air Monitoring Plan (CAMP) included as Appendix 3in this plan and a Construction Health and Safety Plan (HASP). The HASP is the responsibility of the property owner and should be in compliance with NYSDEC DER-10 Technical Guide and 29 CFR 1910 and 1926, and all other applicable Federal, State and City regulations. Intrusive construction work should be compliant with this SMMP and described in the next Inspection and Certification Letter Report.

CONTINGENCY PLAN

Emergency Telephone Numbers

In the event of any emergency condition pertaining to these remedial systems, the Owner's representative(s) should contact the appropriate parties from the contact list

below. Prompt contact should also be made to Chris Brown. These emergency contact lists must be maintained in an easily accessible location at the Site.

Emergency Contact Numbers

Medical, Fire, and Police:	911
One Call Center: 3 day notice required for utility mark out	(800) 272-4480
Poison Control Center:	(800) 222-1222
Pollution Toxic Chemical Oil Spills:	(800) 424-8802
NYSDEC Spills Hotline	(800) 457-7362

Contact Numbers

Christopher Brown	(845) 454-2544
Office of Environmental Remediation	(212) 788-8841; 311

APPENDIX 1

SUSTAINABILITY REPORT

This Remedial Action Work Plan provides for sustainable remediation and redevelopment through a variety of means that are defined in this Sustainability Report.

Reuse of Clean, Recyclable Materials. Reuse of clean, recyclable materials reduces consumption of non-renewable virgin resources and can provide energy savings and greenhouse gas reduction since these materials can be locally-derived.
An estimate of the tonnage of recycled material reused on this project is 1330 tons of Reclaimed Concrete Aggregate (RCA).

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 that could impede future redevelopment. Recontamination can arise from future releases that occur within the property or by influx of existing contamination from off-Site.

The composite cover system will provide basic protection against future recontamination of underlying soil. In order to prevent the risk of future migration of contaminated soil vapor into the subject properties development a vapor barrier system and sub-slab depressurization were installed. The area of the Site that utilizes recontamination controls under this plan is 49,800 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 area of the property for which enhanced storm-water retention capability has been established for the redevelopment project is a capacity of 5,500 cubic feet.

Trees and Plantings. Trees and other plantings provide habitat and add to NYC's environmental quality in a wide variety of ways. Native plant species and native habitat

provide optimal support to local fauna, promote local biodiversity, and require less maintenance. The number of trees planted as part of this redevelopment is 41.

APPENDIX 2

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 to the east along Bay Street, and turning north onto Clinton Street. 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 Brooklyn, 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 to be established by OER. 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. If excess material is generated during site construction, and it meets the soil cleanup objectives for on-Site reuse, it will be used as backfill for excavation areas depicted in Figure 5.

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 Table 1.

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 3

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

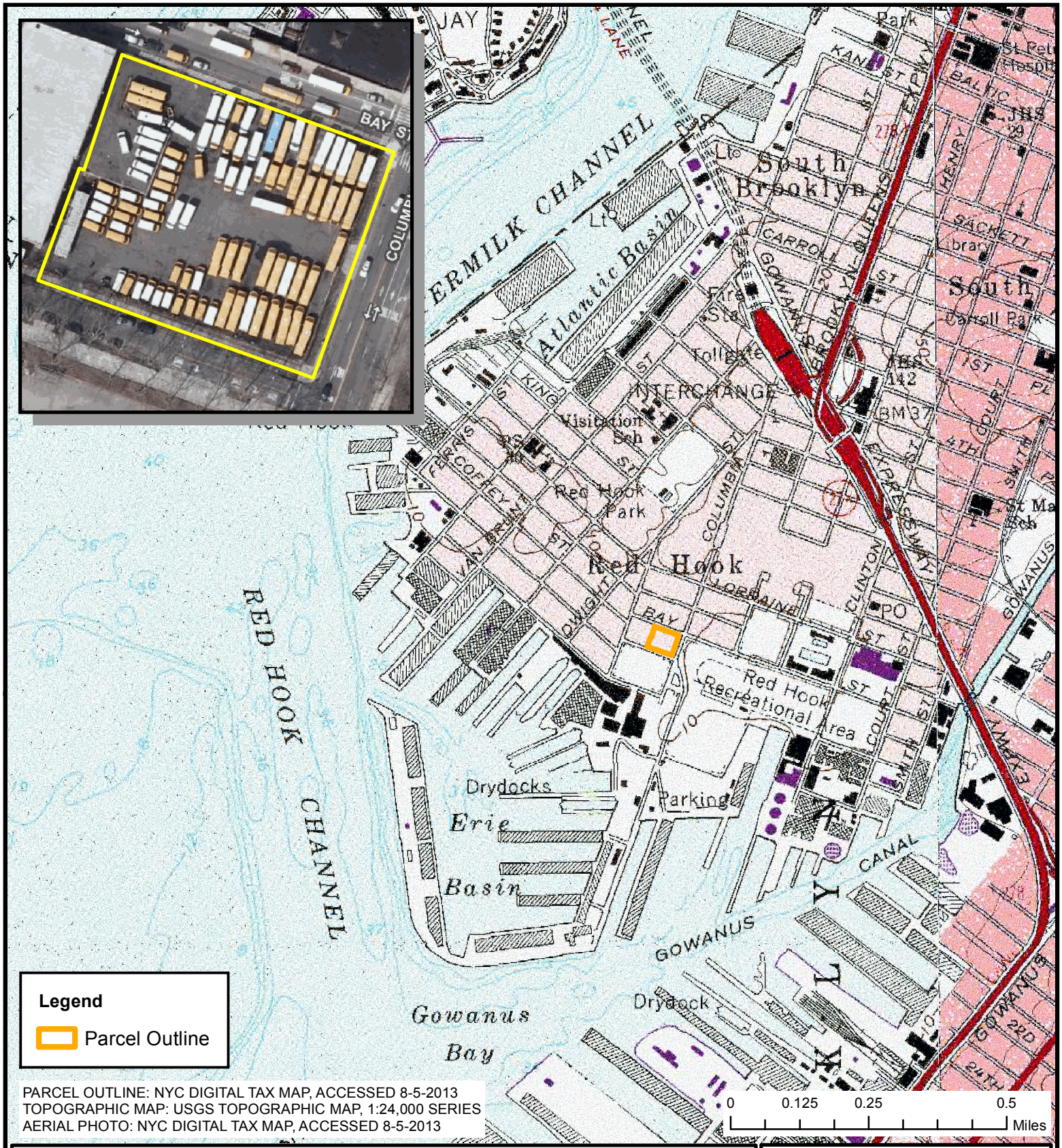
Particulate concentrations will be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring will be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers 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 exceedence 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.

Figure 1 – Site Location Map



PARCEL OUTLINE: NYC DIGITAL TAX MAP, ACCESSED 8-5-2013
TOPOGRAPHIC MAP: USGS TOPOGRAPHIC MAP, 1:24,000 SERIES
AERIAL PHOTO: NYC DIGITAL TAX MAP, ACCESSED 8-5-2013

SITE LOCATION MAP

BLOCK 601, LOT 17
556 COLUMBIA STREET
BROOKLYN, NEW YORK

FIGURE 1

DATE:	08/05/2013
SCALE:	As Indicated
PROJECT NUMBER:	560896

ALL LOCATIONS APPROXIMATE

PVE Sheffler
Engineering • Survey • Environmental

48 Springside Avenue
Poughkeepsie, New York 12603
Phone: (845) 454-2544
Fax: (845) 454-2655

Figure 2 – Site Map

PARCEL OUTLINE: NYC DIGITAL TAX MAP, ACCESSED 8-5-2013
AERIAL PHOTO: NYC DIGITAL TAX MAP, ACCESSED 8-5-2013

SELECTED SITE FEATURES

BLOCK 601, LOT 17
556 COLUMBIA STREET
BROOKLYN, NEW YORK

FIGURE 2

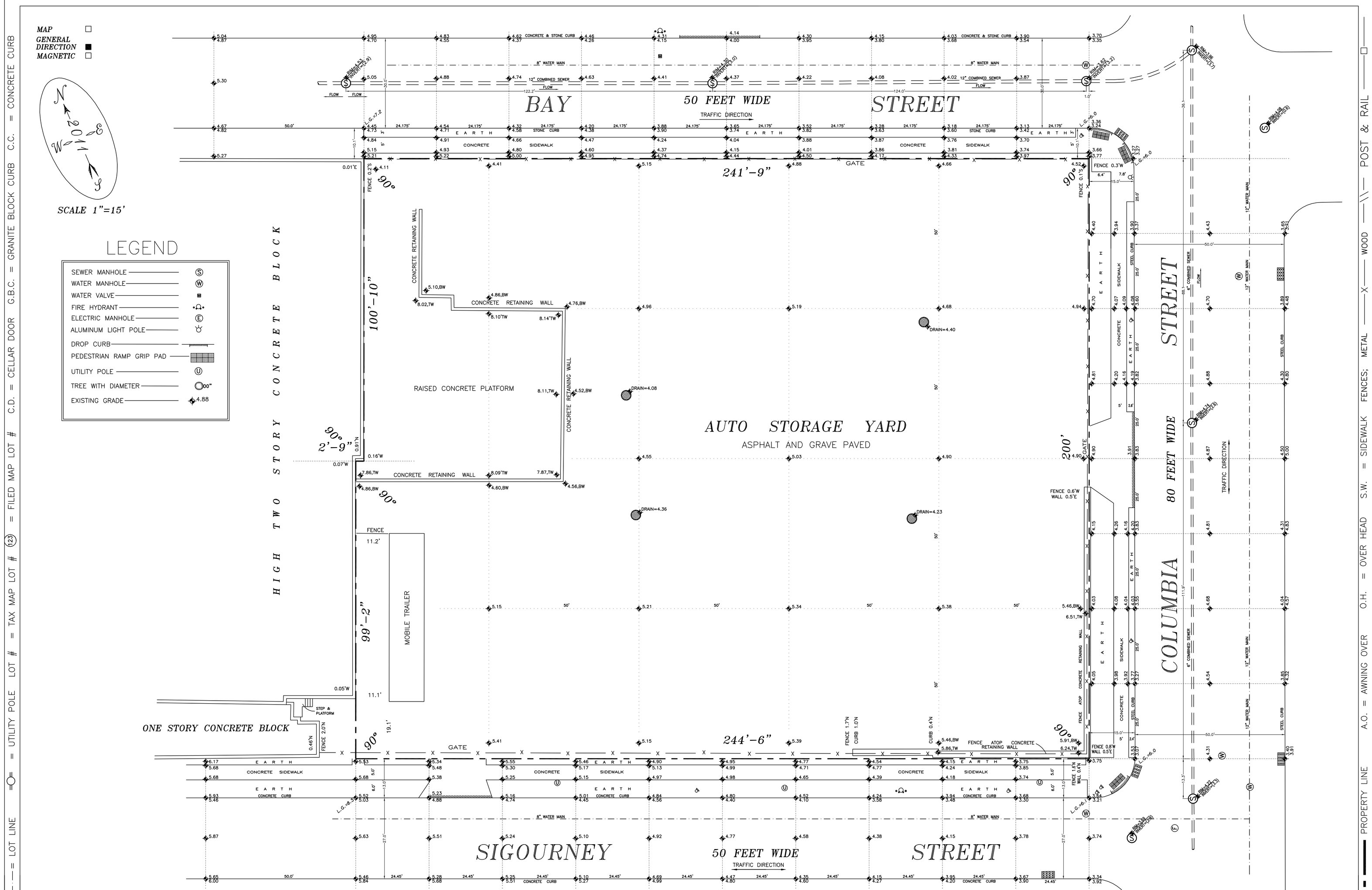
DATE:	09/10/2013
SCALE:	As Indicated
PROJECT NUMBER:	560896

ALL LOCATIONS APPROXIMATE

PVE Sheffler
Engineering • Survey • Environmental

48 Springside Avenue
Poughkeepsie, New York 12603
Phone: (845) 454-2544
Fax: (845) 454-2655

Figure 2A – Site Survey



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L.G. DENOTES LEGAL GRADE, TW DENOTES TOP OF WALL, BW DENOTES BOTTOM OF WALL

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548 COLUMBIA–ARCH PR

ARCHITECTURAL SURVEY

STATE OF NEW YORK

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NEW YORK STATE
LICENSED LAND SURVEYOR
No. 49851

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JOB No. 20110309
TITLE No.
SECTION No.
TAX BLOCK No. 601 LOT No.17
COUNTY OF: KINGS BROOKLYN
DATE SURVEYED: MARCH 30, 2011

— — — — = LOT LINE ⊸ = UTILITY POLE LOT # = TAX MAP LOT # (23) = FILED MAP LOT # C.D. = CELLAR DOOR G.B.C. = GRANITE BLOCK CURB C.C. = CONCRETE CURB

A.O. = AWNING OVER O.H. = OVER HEAD S.W. = SIDEWALK FENCES; METAL —X— WOOD —\\— POST & RAIL —□— PROPERTY LINE

Figure 3 – Redevelopment Plan

PARTNERS FOR ARCHITECTURE

13-607

NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

556 COLUMBIA STREET
BROOKLYN, NY 11231

Issued to:
DEPARTMENT OF BUILDING

Issued for:
PERMIT

Issued on:
05/22/2014

48 UNION STREET,
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SHEET INDEX (PER NATIONAL CAD STANDARD)

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A-402.00	WALL SECTIONS					•	•	•		•	•
A-403.00	WALL SECTIONS					•	•	•		•	•
A-404.00	WALL SECTIONS					•	•	•		•	•
A-405.00	GLASS CURTAIN WALL SECTIONS				•	•	•	•		•	•
A-501.00	CURTAIN WALL ELEVATION AND DETAILS								•	•	•
A-502.00	CURTAIN WALL & RAINSCREEN FACADE SECTION DETAILS							•		•	•
A-503.00	RAINSCREEN FACADE DETAILS							•		•	•
A-504.00	INTERIOR STOREFRONT ELEVATION AND DETAILS									•	•
A-511.00	SECTION DETAILS @ EXTERIOR WALLS			•		•	•	•		•	•
A-512.00	SECTION DETAILS @ EXTERIOR WALLS					•	•	•		•	•
A-513.00	SECTION DETAILS @ EXTERIOR WALLS					•	•	•		•	•
A-521.00	EMERGENCY GENERATOR FENCE, ROLL UP GATE & FLAGPOLE DETAILS		•		•	•	•	•		•	•
A-531.00	ENTRY & TYPICAL SIGNAGE ELEVATIONS & DETAILS					•	•	•		•	•
A-600.00	STAIR A ENLARGED PLANS AND SECTIONS		•	•	•	•	•	•		•	•
A-601.00	STAIR B ENLARGED PLANS AND SECTIONS			•	•	•	•	•		•	•
A-602.00	STAIR C ENLARGED PLANS AND SECTIONS		•	•	•	•	•	•		•	•
A-603.00	GROUND LEVEL STAIRS ENLARGED PLAN AND SECTION			•	•	•	•	•		•	•
A-604.00	ELEVATOR PLANS, SECTIONS & DETAILS		•	•	•	•	•	•	•	•	•
A-700.00	MILLWORK DETAILS					•	•	•		•	•
A-701.00	ENLARGED NURSE ROOM AND MILLWORK DETAILS						•	•		•	•
A-702.00	GYMNASIUM ENLARGED PLAN AND ELEVATIONS						•	•		•	•
A-703.00	GYMNASIUM ELEVATIONS						•	•		•	•
A-704.00	THEATER INTERIOR ELEVATIONS AND ENLARGED PLAN						•	•		•	•
A-705.00	THEATER INTERIOR ELEVATIONS						•	•		•	•
A-706.00	TYPICAL WC PLANS & ELEVATIONS								•	•	•
02-BUILDERS PAVEMENT PLAN (BPP)											
BPP-100.00	BUILDERS PAVEMENT PLAN AND DETAILS	•			•	•	•	•		•	•
BPP-101.00	BUILDERS PAVEMENT PLAN AND DETAILS	•			•	•	•	•		•	•

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BASIS INDEPENDENT SCHOOLS

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phone 520.577.4560 www.cca-az.com

ALL THE PROJECT FLOOR ELEVATIONS HAVE BEEN REVISED TO REFLECT N.A.V.D. 1988 STANDARD.(1.46' ABOVE BROOKLYN TOPOGRAPHICAL BUREAU.)

DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
9	04/11/2014	CLIENT AND CONTRACTOR	BULLETIN 1
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	01/17/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE-II
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-I
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
2	10/18/2013	OWNER	OWNER REVIEW
1	10/16/2013	DOB	ZONING AND EGRESS REVIEW

NORTH

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NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

556 COLUMBIA STREET
BROOKLYN, NY 11231

DRAWING LIST

SEAL & SIGNATURE

DATE: 04/11/2014
PROJECT NO.: 13-607
DRAWN BY: TE
CHECKED BY: RS
DRAWING NO.:
G-100.00

CADD FILE NO:
J:\Proj2013\607 BASIS

1 of 272

A. CONSTRUCTION TO CONFORM TO THE CITY OF NEW YORK 2008, NY-BUILDING CODE.
CONSTRUCTION CLASSIFICATION OF BUILDING: IB - NON-COMBUSTIBLE.
PROPOSE USE: USE GROUP 3 - SCHOOL.

B. EACH CONTRACTOR TO OBTAIN THEIR RESPECTIVE PERMITS PRIOR TO THE COMMENCEMENT OF THEIR WORK.

C. THE GENERAL CONTRACTOR SHALL FURNISH ALL MATERIAL, EQUIPMENT, LABOR AND OTHER ITEMS AS REQUIRED TO ACCOMPLISH AND COMPLETE THE WORK AS INDICATED IN THE CONTRACT DOCUMENTS AND AS CALLED FOR OR INFERRED BY THESE DRAWINGS UNLESS OTHERWISE NOTED. THIS SHALL INCLUDE ALL TEMPORARY POWER, LIGHTING, WATER AND OTHER UTILITIES.

D. THE GENERAL CONTRACTOR SHALL INCLUDE IN HIS/HER BID ALL PREMIUM OR OVERTIME WORK AS REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH THE RESTRICTIONS AS SPECIFIED BY THE OWNER OR IN THE CONTRACT DOCUMENTS.

E. ALL WORK SHALL CONFORM TO THE CITY OF NEW YORK, NY-BUILDING CODE, ALL FEDERAL, STATE AND LOCAL BUILDING, FIRE SAFETY, HEALTH AND SAFETY CODES APPLICABLE TO THIS PROJECT. SEE LIST OF APPLICABLE CODES G-102.

F. THE ARCHITECT IS NOT RETAINED FOR SUPERVISION OF THE PROJECT.

G. DO NOT SCALE DRAWINGS, CONSULT ARCHITECT/ENGINEER IF DISCREPANCY OCCURS.

H. THE DRAWINGS ARE BASED UPON FIELD MEASUREMENTS AND/OR EXISTING DOCUMENTATION AND MAY CONTAIN INACCURACIES, THE GENERAL CONTRACTOR AND HIS/HER SUB-CONTRACTORS SHALL CONDUCT SITE VISITS AS REQUIRED TO DETERMINE ACCURACY OF DRAWINGS PRIOR TO BID/PRICING. INFORM OWNER/ARCHITECT/ENGINEER OF ALL DISCREPANCIES PRIOR TO BID FINALIZATION AND START OF WORK.

I. ALL PLAN DIMENSIONS ARE FROM NOMINAL FINISH TO FINISH UNLESS OTHERWISE NOTED.

J. THE DOCUMENTS AND THE DESIGN DEPICTED THEREON ARE THE SOLE PROPERTY OF PARTNERS FOR ARCHITECTURE AND SHALL NOT BE REPRODUCED WITHOUT EXPRESSED WRITTEN CONSENT OF PARTNERS FOR ARCHITECTURE.

K. DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS AND WORK LETTER AGREEMENTS SHALL BE PRICED TO INCLUDE THE MORE STRINGENT REQUIREMENTS UNLESS OTHERWISE SPECIFICALLY DETERMINED BY THE OWNER/ARCHITECT. CONSULT WITH OWNER PRIOR TO BID, PRICING OR START OF WORK FOR DETERMINATION.

SUBMITTALS

A. GENERAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OR PRODUCT DATA ON ALL MATERIALS, EQUIPMENT, FIXTURES AND COMPONENTS SPECIFIED OR CALLED FOR ON THE DRAWINGS. CONTRACTOR TO REVIEW AND STAMP AS REVIEWED BY THE CONTRACTOR PRIOR TO THE ARCHITECT/ENGINEERS.

SUBMITTALS SHALL BE MADE IN (4) FOUR COPIES MINIMUM AND SHALL BE FORWARDED TO THE ARCHITECT FOR REVIEW OR DISTRIBUTION. THE ARCHITECT SHALL REVIEW, COMMENT AND RETURN SUBMITTALS WITHIN (7) BUSINESS DAYS.

B. ALL SUBMITTALS SHALL BE FORWARDED TO THE ARCHITECT CONTAINING THE REVIEW STAMP OF THE GENERAL CONTRACTOR INDICATING COMPLIANCE WITH THE CONTRACT DOCUMENTS, SUBMITTALS RECEIVED BY THE ARCHITECT WITHOUT STAMP SHALL BE RETURNED WITHOUT REVIEW.

C. THE ARCHITECT'S REVIEW STAMP SHALL INDICATE THE FOLLOWING ACTION:

REVIEWS MARKED BELOW INDICATES FABRICATION MAY BEGIN.
A. NO EXCEPTION TAKEN.
B. MAKE CORRECTIONS NOTED.
C. REVIEWED FOR FILE ONLY.

REVIEWS MARKED BELOW INDICATES FABRICATION MAY NOT BEGIN.
A. REVISED AND RESUBMIT.
B. REJECTED.
C. SUBMIT SPECIFIED ITEM.

D. SUBSTITUTIONS FROM SPECIFIED MATERIALS, EQUIPMENT, FIXTURES AND COMPONENTS SHALL BE SUBMITTED SEPARATE FROM THOSE SPECIFIED AND SHALL BE MARKED AS SUBSTITUTIONS. GENERAL CONTRACTOR SHALL ALLOW FOR SUFFICIENT REVIEW TIME ON ALL SUBSTITUTIONS AND SHALL CONSIDER SCHEDULE WHEN DETERMINING SUBSTITUTIONS. THE ARCHITECT'S REVIEW SHALL INCLUDE DETERMINING COMPARISON TO SPECIFIED ITEM AND SHALL BE RETURNED WITHIN 12 BUSINESS DAYS.

PROJECT CLOSEOUT

A. GENERAL CONTRACTOR SHALL PROVIDE MARKED UP CONTRACT DRAWINGS INDICATING CHANGES FROM THE ORIGINAL BID SCOPE TO THE ARCHITECT FOR REVIEW. THE FINAL AS-BUILT DOCUMENTS SHALL BE SUBMITTED TO THE OWNER UPON PROJECT CLOSEOUT. THE SCOPE SHALL INCLUDE ALL TRADES.

B. GENERAL CONTRACTOR SHALL SUBMIT ALL OPERATIONS AND MAINTENANCE MANUALS FOR ALL EQUIPMENT, FIXTURES AND COMPONENTS TO THE OWNER. INFORMATION SHALLL INCLUDE ADDRESS AND PHONE NUMBERS OF MANUFACTURER'S.

C. PUNCH LIST OF ITEMS NOTED BY ARCHITECT/ENGINEER DURING FINAL INSPECTION SHALL BE COMPLETED PRIOR TO FINAL PAYMENT AND SHALL CONFORM TO CONTRACT DOCUMENTS. ITEMS NOT COMPLETED IN PUNCH LIST ARE SUBJECT TO RETAINMENT OF MONIES FROM FINAL PAYMENT EQUAL TO THE VALUE OF THE WORK REQUIRING COMPLETION. VALUE OF WORK SHALL BE AS DETERMINED BY THE OWNER/ARCHITECT/ENGINEER.

ALL SPECIFIED ITEMS SHALL INCLUDE THE MANUFACTURER'S STANDARD WARRANTY AND/OR GUARANTEE. GENERAL CONTRACTOR SHALL SUBMIT ALL WARRANTIES AND GUARANTEES PRIOR TO PROJECT CLOSEOUT.

CONSTRUCTION

A. GENERAL CONTRACTOR SHALL PROVIDE CONTINUOUS SOLID BLOCKING IN WALLS, CEILINGS OR FLOORS AS REQUIRED TO SUPPORT MOUNTED CABINETS, SHELVES, FIXTURES OR EQUIPMENT WHETHER INDICATED ON DRAWINGS OR NOT. BLOCKING SHALL BE SCRIBED AS REQUIRED FOR LEVEL, PLUMB AND TRUE INSTALLATION TOLERANCES. COORDINATE LOCATIONS OF BLOCKING WITH ALL TRADES.

B. GENERAL CONTRACTOR SHALL PATCH, FEATHER, SPACKLE AND SAND ALL PENETRATIONS THROUGH WALLS AND FLOORS AS REQUIRED TO MAINTAIN FIRE SEPARATION AND PROVIDE SMOOTH SURFACE.

C. GENERAL CONTRACTOR SHALL MAINTAIN INTEGRITY OF ALL FIRE SEPARATION PARTITIONS/WALLS IN ACCORDANCE WITH THE LOCAL BUILDING AND FIRE SAFETY CODES.

DEMOLITION

A. THE GENERAL CONTRACTOR SHALL PROVIDE ALL MATERIAL, EQUIPMENT AND LABOR AS REQUIRED TO COMPLETE DEMOLITION AND PROPER REMOVAL AND DISPOSAL OF ALL ITEMS. GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL FEES ASSOCIATED WITH DEMOLITION AND DISPOSAL.

B. THE GENERAL CONTRACTOR SHALL INCLUDE IN HIS/HER BID ALL ASSOCIATED COSTS FOR PROTECTION OF ADJACENT AREAS NOT IN CONTRACT.

C. ALL DEMOLITION OPERATIONS SHALL BE IN CONFORMANCE WITH THE CITY OF NEW YORK, NY-RULES AND REGULATIONS.

D. GENERAL CONTRACTOR SHALL KEEP CONSTRUCTION SITE CLEAN, REMOVE DEBRIS TO MAINTAIN A SAFE WORK ENVIRONMENT AND SHALL CONDUCT FINAL CLEANING AFTER ALL MAJOR WORK HAS BEEN COMPLETED.

E. GENERAL CONTRACTOR SHALL PROTECT AND/OR REMOVE ALL ITEMS SCHEDULED FOR REUSE OR SALVAGE.

F. FOR EXTENT OF DEMOLITION OF MECHANICAL, ELECTRICAL OR FIRE PROTECTION EQUIPMENT CONSULT ENGINEERING DRAWINGS. ALL EXISTING POWER AND LIGHTING INDICATED TO BE REMOVED SHALL BE REMOVED BACK TO SOURCE PANEL AND REMOVED IN THEIR ENTIRETY, REFER TO MEP DRAWINGS.

G. ALL EXISTING EQUIPMENT, CONSTRUCTION THAT IS TO REMAIN SHALL BE PROTECTED THROUGHOUT THE DEMOLITION AND BUILDING OPERATIONS.

H. WHERE REMOVAL OF ITEMS AS INDICATED CAN NOT BE ACCOMPLISHED WITHOUT DAMAGE TO ADJACENT ITEMS TO REMAIN - GENERAL CONTRACTOR SHALL REPLACE OR REPAIR DAMAGED ITEMS TO CONDITION AS ORIGINALLY INTENDED.

HAZARDOUS MATERIALS

A. THESE DOCUMENTS MAKE NO ASSUMPTION AS TO THE PRESENCE OF HAZARDOUS MATERIALS AND FURTHER, IT IS NOT THE INTENT OF THE ARCHITECT/ENGINEER TO DETERMINE COMPLIANCE WITH FEDERAL, STATE OR LOCAL LAWS AND REGULATIONS REGARDING THE REMOVAL OF HAZARDOUS MATERIALS. PRIOR TO DEMOLITION THE GENERAL CONTRACTOR SHALL INSPECT THE SITE FOR PRESENCE OF HAZARDOUS MATERIALS AND DEVELOP A REMOVAL STRATEGY WITH THE BUILDING OWNER TO COMPLY WITH THE CITY OF NEW YORK, NY-BUILDING CODE AND THE CITY OF NEW YORK, NY-CITY RULES AND REGULATIONS AND FEDERAL NESHAP REGULATIONS (NATIONAL EMISSION STANDARD FOR HAZARDOUS AIR POLLUTANTS) TELEPHONE 617-565.9055.

CONCRETE

A. CONCRETE MATERIALS, DESIGN, CONSTRUCTION, QUALITY, INSPECTION AND TESTING SHALL COMPLY WITH THE CITY OF NEW YORK 2008 BUILDING CODE.

MASONRY

A. MATERIALS, DESIGN AND CONSTRUCTION OF UNREINFORCED MASONRY SHALL MEET THE REQUIREMENTS OF THE CITY OF NEW YORK 2008 BUILDING CODE.

MILLWORK

A. THE GENERAL CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF THE CABINET/MILLWORK FABRICATOR TO ACCOUNT FOR EXISTING CONDITIONS. MILLWORK FABRICATOR SHALL VERIFY DIMENSION IN FIELD.

B. ALL MILLWORK SHALL BE SHOP FINISHED TO THE GREATEST EXTENT AS PRACTICABLE UNLESS OTHERWISE APPROVED BY THE ARCHITECT. WHEREVER FINISH IS AFFECTED BY INSTALLATION THE FABRICATOR SHALL TOUCH-UP IN FIELD. THE MILLWORK FABRICATOR SHALL SUBMIT FINISHED FLITCHES FOR ALL WOOD SPECIES FOR REVIEW PRIOR TO FABRICATION. REVIEW SHALL INCLUDE WOOD GRAIN AND VENEER CUT AND SHALL NOT BE FABRICATED WITHOUT ACCEPTANCE. MILLWORK INSTALLED WITHOUT FREVIEW IS SUBJECT TO REMOVAL AND REPLACEMENT.

C. MILLWORK SHALL BE SCRIBED TO ADJACENT SURFACES. MILLWORK FABRICATOR TO PROVIDE WOOD FILL PIECES FINISHED TO MATCH MILLWORK AS REQUIRED.

D. MILLWORK FABRICATOR SHALL SUBMIT SHOP DRAWINGS IN ACCORDANCE WITH THE GENERAL REQUIREMENTS ABOVE INDICATING ALL TECHNIQUES FOR JOINING, FORMING AND FINISHING MILLWORK.

E. MILLWORK FABRICATOR SHALL FABRICATE IN ACCORDANCE WITH AWI CUSTOM STANDARDS UNLESS SPECIFICALLY NOTED OTHERWISE. JOINTS SHALL BE SECURED IN A MANNER TO INSURE AGAINST JOINT OPENING.

F. ALL VISIBLE WOOD CORNER JOINTS SHALL BE MITERED.

THERMAL AND MOISTURE PROTECTION

A. INSTALL NEW METAL STANDING SEAM PANEL ROOFING ABOVE 30# FELT PAPER AS SHOWN ON DRAWINGS. NOTE DETAILING OF ROOFING AS SHOWN ON DRAWING MAY VARY WITH DIFFERENT MANUFACTURERS. ALSO INSTALL TPO ROOFING, ALL AS SHOWN ON THE DRAWINGS.

DOORS, WINDOWS AND HARDWARE

A. REFER TO DOOR AND WINDOW SCHEDULE

B. THE GENERAL CONTRACTOR SHALL PROVIDE ALL DOOR, FRAME AND HARDWARE AS SCHEDULE ON THE DRAWINGS.

C. THE GENERAL CONTRACTOR SHALL COORDINATE ALL LOCKING REQUIREMENTS WITH THE OWNER AND SHALL PROPERLY TAG ALL KEYS AND LOCKSETS. GENERAL CONTRACTOR SHALL PROVIDE KEY CABINET AS REQUIRED BY OWNER AND TENANT.

D. GENERAL CONTRACTOR SHALL COORDINATE ALL SECURITY REQUIREMENTS WITH BUILDING OWNER OR COORDINATE WITH OWNER SUPPLIED SECURITY CONSULTANT/CONTRACTOR.

E. GENERAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL REQUIREMENTS FOR SECURITY AND FIRE SAFETY HARDWARE WITH ALL APPLICABLE SUB-CONTRACTORS AND THE ELECTRICAL DRAWINGS.

F. ALL DOOR HANDLES SHALL BE LEVER TYPE AND SHALL CONFORM TO THE CITY OF NEW YORK, NY-BUILDING CODE ACCESSIBILITY REQUIREMENTS OR REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT, WHICHEVER IS APPLICABLE.

G. ALL DOORS SHALL BE UNDERCUT TO COORDINATE WITH THE FINISH MATERIAL OF THE FLOORS.

H. WHERE FLOOR IRREGULARITIES OCCUR AT DOOR LOCATIONS, IN ACCORDANCE WITH THE GENERAL REQUIREMENTS ABOVE, THE GENERAL CONTRACTOR SHALL COORDINATE WITH THE FLOORING SUB-CONTRACTOR TO PROVIDE SOLID AND LEVEL FLOOR FOR THE ENTIRE WIDTH OF THE DOOR ON BOTH SIDES. FLASH PATCH OR FLOAT WITH FLOOR LEVELER AS REQUIRED.

I. ALL NEW HOLLOW METAL DOOR FRAMES SHALL BE PAINTED WITH (2) TWO COATS OF SEMI-GLOSS ENAMEL PAINT - COLOR TO MATCH ADJACENT WALL SURFACE UNLESS OTHERWISE NOTED.

FRAMING AND PARTITIONS

A. ALL FIRE RATED PARTITIONS TO EXTEND UNINTERUPTED FROM FLOOR TO UNDERSIDE OF STRUCTURAL FLOOR SLAB ABOVE TO PROVIDE PROPER FIRESTOPPING.

B. REPAIR ALL HOLES, GOUGES AND DAMAGE MARKS AND APPLY SEALER PRIOR TO PAINT.

C. GENERAL CONTRACTOR SHALL EXTEND ALL SOUND PROOF/SOUND RATED PARTITIONS TO UNDERSIDE OF STRUCTURE AND PROVIDE BUILDING STANDARD SOUND ATTENUATION SEALANT AT TERMINATION. WHEREVER PARTITIONS MEET WINDOW MULLIONS, WALLS OR HEAT EQUIPMENT - PROVIDE BUILDING STANDARD SOUND ATTENUATION SEALANT. IN NO CASE SHALL NEW FRAMING BE SECURED TO WINDOW MULLIONS OR EQUIPMENT ENCLOSURES.

D. ALL PARTITIONS SHALL RECEIVE TAPABLE GALVANIZED METAL BEADING AS INDICATED ON THE DRAWINGS OR AS REQUIRED TO FORM STRAIGHT, PLUMB AND TRUE CORNERS, EDGES, REGLETS, AND REVEALS.

FLOORING

A. WHERE FLOOR CORE DRILLING IS INDICATED THE WORK SHALL BE ACCOMPLISHED AS PRESCRIBED AND APPROVED BY THE ENGINEER. ALL BIDS/PRICING SHALL INCLUDE THIS WORK AND SHALL NOT RESULT IN EXTRA COSTS DURING THE PROJECT.

B. FLOORING CONTRACTOR(S) ARE RESPONSIBLE FOR SMOOTH AND LEVEL INSTALLATION IN ADDITION TO GENERAL CONTRACTOR RESPONSIBILITY AS SPECIFIED IN GENERAL REQUIREMENTS ABOVE.

C. ALL FLOORING MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTION.

D. ALL FLOORING SHALL BE INSTALLED FREE FROM DEFECTS, BUMPS, BUBBLES AND OTHER UNEVEN INSTALLATION EFFECTS. THE FLOORING AND GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT OF SUCH POSSIBLE CONDITIONS PRIOR TO INSTALLATION.

E. AREAS RECEIVING NEW FLOORING SHALL BE KEPT FREE FROM TRAFFIC DURING INSTALLATION. UPON COMPLETION OF WORK THE NEW FLOORING SHALL BE COVERED AND PROTECTED UNTIL FINAL COMPLETION.

F. IN ACCORDANCE WITH THE GENERAL REQUIREMENTS ABOVE ALL FLOORING MATERIALS, ACCESSORIES AND COMPONENTS SHALL BE SUBMITTED FOR REVIEW BY THE ARCHITECT. PROVIDE SAMPLES AND MAINTENANCE DATA - FAILURE TO SUBMIT SAMPLES MAY RESULT IN REMOVAL AND REPLACEMENT OF FLOORING PRODUCTS.

G. ALL FLOORING EDGES, OR CHANGES IN FLOORING TYPE, SHALL BE PROVIDED WITH TRANSITION TRIM OR REDUCING STRIPS AS REQUIRED. HEIGHT DIFFERENCE SHALL NOT EXCEED 1/4 INCH. SUBMIT COLOR SAMPLES FOR REVIEW.

H. ALL CARPET SHALL BE INSTALLED BY DIRECT GLUE DOWN UTILIZING AN ENVIRONMENTALLY ACCEPTABLE ADHESIVE. SUBMIT DATA ON ADHESIVE PRIOR TO INSTALLATION. CARPET TILES SHALL BE INSTALLED UTILIZING A FULL SPREAD ADHESION METHOD.

I. EACH INDIVIDUAL SPECIFIED OR SCHEDULED CARPET AS INDICATED ON PLANS OR SCHEDULE SHALL BE FROM THE SAME DYE LOT.

J. FLOORING SHALL RECEIVE BASE FINISH AS SHOWN ON DRAWINGS.

K. FLOORING MATERIAL IN CLOSET AND OTHER HIDDEN AREAS SHALL MATCH THE MATERIAL IN THE SPACE TO WHICH THE ROOM OPENS UNLESS OTHERWISE NOTED.

L. FINISH FLOOR AREAS SHALL BE PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MANUFACTURER. WHEREVER SURFACE CANNOT BE SMOOTHED - PROVIDE SELF LEVELING COMPOUND TO PROVIDE A SMOOTH LEVEL INSTALLATION.

CEILINGS

A. GENERAL CONTRACTOR TO PROVIDE ALL NEW CEILING(S) AND COMPONENTS AS INDICATED ON THE DRAWINGS.

B. ALL SUSPENDED ACOUSTICAL TILE CEILINGS SHALL BE INSTALLED IN ACCORDANCE WITH ALL BUILDING CODE SEISMIC RESTRAINT REQUIREMENTS.

C. IN ACCORDANCE WITH THE GENERAL REQUIREMENTS ABOVE GENERAL CONTRACTOR SHALL SUBMIT CEILING TILE AND GRID SAMPLES FOR REVIEW PRIOR TO INSTALLATION.

D. ALL CEILING DIFFUSERS, LOUVERS AND REGISTERS SHALL BE PROVIDED WITH FACTORY APPLIED BAKED ENAMEL PAINT FINISH TO MATCH COLOR OF CEILING GRID AS SPECIFIED. IF NOT SPECIFICALLY NOTED COLOR SHALL BE WHITE.

E. ALL LIGHTING FIXTURES AND MECHANICAL EQUIPMENT SHALL BE INDEPENDENTLY SUPPORTED IN ACCORDANCE WITH THE BUILDING AND FIRE SAFETY CODES.

G. CEILING LOCATED IN ENCLOSED ROOMS, CLOSETS ETC. NOT SPECIFICALLY SCHEDULED OR NOTED TO RECEIVE NEW CEILINGS SHALL BE PROVIDED WITH NEW CEILINGS MATCHING THE HEIGHT AND TYPE OF THE ROOM TO WHICH THE ENCLOSED ROOM OPENS.

H. ALL GYPSUM BOARD CEILINGS SHALL BE PAINTED, REFER TO FINISH SCHEDULE.

I. WHERE CEILINGS DO NOT PROVIDE ACCESS TO SERVICES ABOVE THE GENERAL CONTRACTOR SHALL PROVIDE ACCESS PANELS OF THE FLUSH TYPE AND SHALL HAVE FACTORY BAKED ENAMEL PAINT FINISH COLOR TO MATCH THE ADJACENT SURFACE COLOR. LOCATIONS AND QUANTITIES SHALL CONFORM TO ALL STATE AND LOCAL BUILDING CODES.

PAINTING AND FINISHING

A. ALL PAINT SHALL BE DELIVERED TO SITE IN UNOPENED CONTAINERS AND STORED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.

B. ALL NEW SURFACES SCHEDULED TO BE PAINTED SHALL RECEIVE (3) THREE COATS PAINT OR BE COVERED WITH WALL COVERING AS INDICATED ON FINISH PLAN(S) OR SCHEDULE. ONE PRIME COAT AND TWO FINISH COATS SHALL BE ACCOMPLISHED WITH SLIGHTLY VARYING COLOR DIFFERENCES TO ALLOW FOR ARCHITECTS VERIFICATION OF THREE COAT PROCESS FINAL COLOR SHALL MATCH SPECIFIED AND APPROVED SAMPLES. SURFACES SHALL BE FREE FROM BRUSH MARKS OR RIDGES.

C. AREAS SCHEDULED OR NOTED AS WALLS TO RECEIVE PAINT OR WALL COVERING SHALL INCLUDE ALL PARTS OF THE WALL FROM FLOOR TO CEILING INCLUDING, PILASTERS, FASCIAS AND OTHER PROTUBERANCES.

D. ALL ENCLOSED ROOMS, CLOSETS ETC. NOT SPECIFICALLY SCHEDULED OR NOTED TO BE PAINTED SHALL BE PAINTED IN ACCORDANCE WITH THE ABOVE TO MATCH THE WALL SURFACE COLOR OF THE ROOM TO WHICH THE ENCLOSED ROOM OPENS.

E. ALL MECHANICAL EQUIPMENT, CONVECTOR, RADIATOR COVERS, ETC., SHALL BE PAINTED WITH (2) TWO COATS SEMI-GLOSS ENAMEL PAINT TO MATCH THE ADJACENT WALL SURFACE COLOR. UNLESS SPECIFICALLY NOTED COVERS SHALL BE CLEANED ONLY.

F. ALL FINISHED SURFACES NOT SCHEDULED OR NOTED TO BE PAINTED SHALL BE CLEANED.

G. ALL WALL OR CEILING MOUNTED ACCESS PANELS SHALL BE OF THE FLUSH TYPE AND SHALL BE FACTORY BAKED ENAMEL PAINT FINISH, COLOR TO MATCH THE ADJACENT SURFACE COLOR.

H. UPON COMPLETION OF PAINTING ALL ADJACENT AREAS SHALL BE CLEANED FROM PAINT SPLATTER, SPILLING AND SPLASHING SO AS TO PROVIDE A SURFACE COLOR AS SPECIFIED. ALL HARDWARE AND COVERS SHALL BE FREE FROM PAINT AND ADHESIVE.

I. WALL COVERINGS SHALL BE INSTALLED FREE FROM BUBBLES, RIDGES OR LOOSE EDGES AND BRUSH MARKS. INSTALLER SHALL USE NEW BLADE FOR EACH CUT.

J. WHERE DIFFERENT WALL COVERINGS CONVERGE OR WHERE A PAINTED SURFACE MEETS A WALL COVERED SURFACE, PROVIDE METAL STOP BEAD FOR CLEAN AND PLUMB INSTALLATION.

K. ALL OUTLET, SWITCH OR OTHER WALL PLATE COVERS SHALL BE PROTECTED IN THE WALL COVERING OF THE WALL IN WHICH IT IS LOCATED.

L. WHERE WALL COVERING IS SCHEDULED OR NOTED WHERE REVEALS ARE INDICATED, WALL COVERING SHALL EXTEND INTO AND UNDER REVEAL SO AS NOT TO ALLOW WALL COVERING TO PEEL AWAY AT REVEAL.

SIGNAGE

A. ALL SIGNAGE AS SCHEDULED OR NOTED SHALL BE INSTALLED AT HEIGHTS IN ACCORDANCE WITH THE STATE AND LOCAL BUILDING CODE ACCESSIBILITY REQUIREMENTS OF THE ADA WHICHEVER IS MORE STRINGENT. ACCESSORIES SHALL BE INSTALLED PLUMB AND TRUE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

CONVEYANCE

A. INSTALL AN APPROVED HANDICAP ACCESSIBLE ELEVATOR. ELEVATOR CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS REQUIRED FOR THE INSTALLATION OF THE ELEVATOR.

1 GENERAL NOTES

NB application DOB # 320843110
Doc # 1 general construction
Doc # 2 Curb cut
Doc # 4 foundation
Doc # 5 Fuel Storage
Doc # 6 Super Structure
Doc # 7 Boiler, Fuel Burning
Doc # 8 Sprinkler
Doc # 9 Mechanical, Plumbing
Doc # 10 Civil, Plumbing
Doc # 11 Structure
Doc # 12 Standpipe

DOB # 320893191- Installation piles

DOB # 340104586 –sidewalk shed

DOB # 340104595 – plywood fence

DOB # 320825014 – Builders Pavement plan

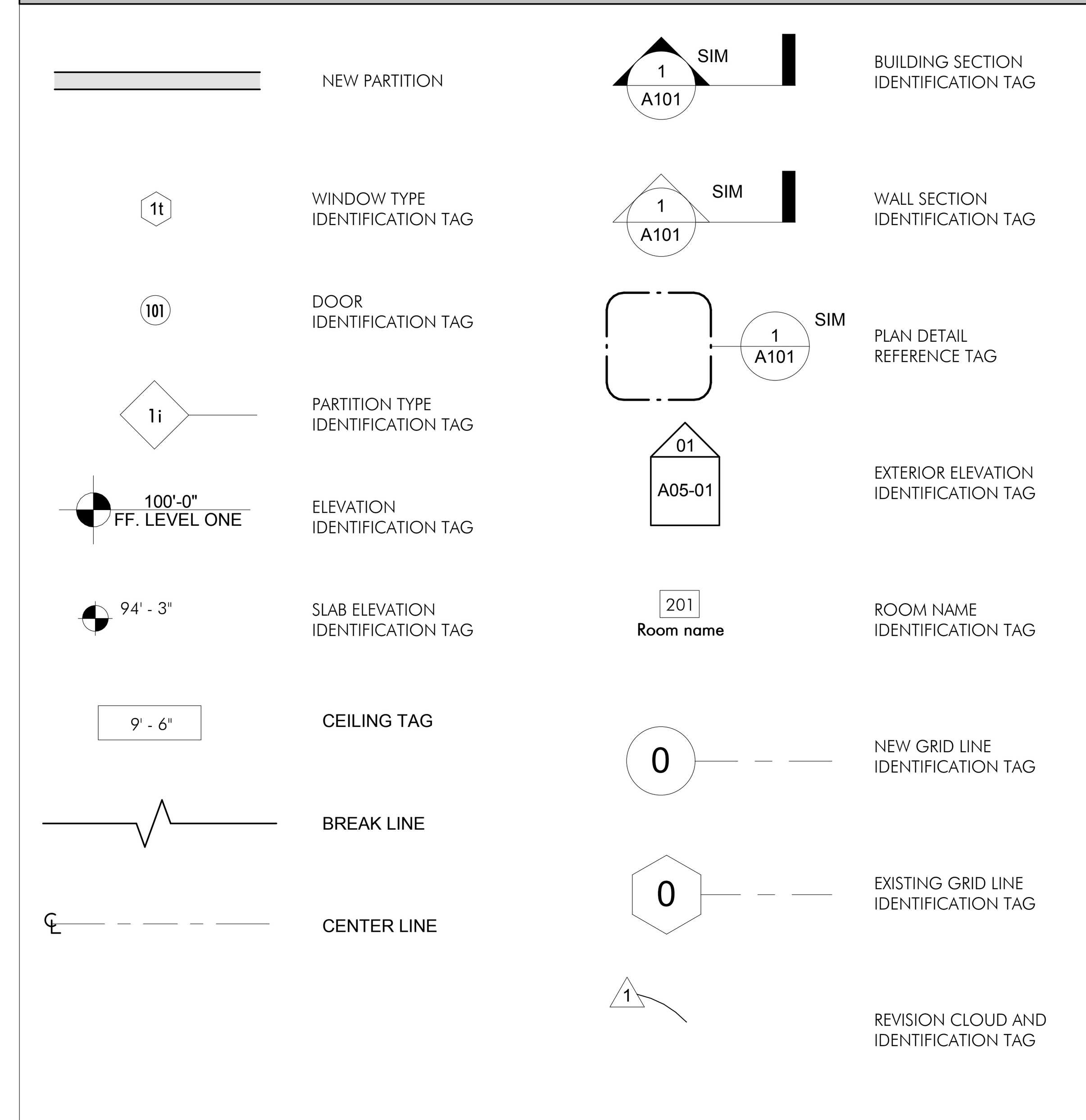
DOB # 320872793 – Fire Protection Plan

DOB # 320949159 – Fire Alarm

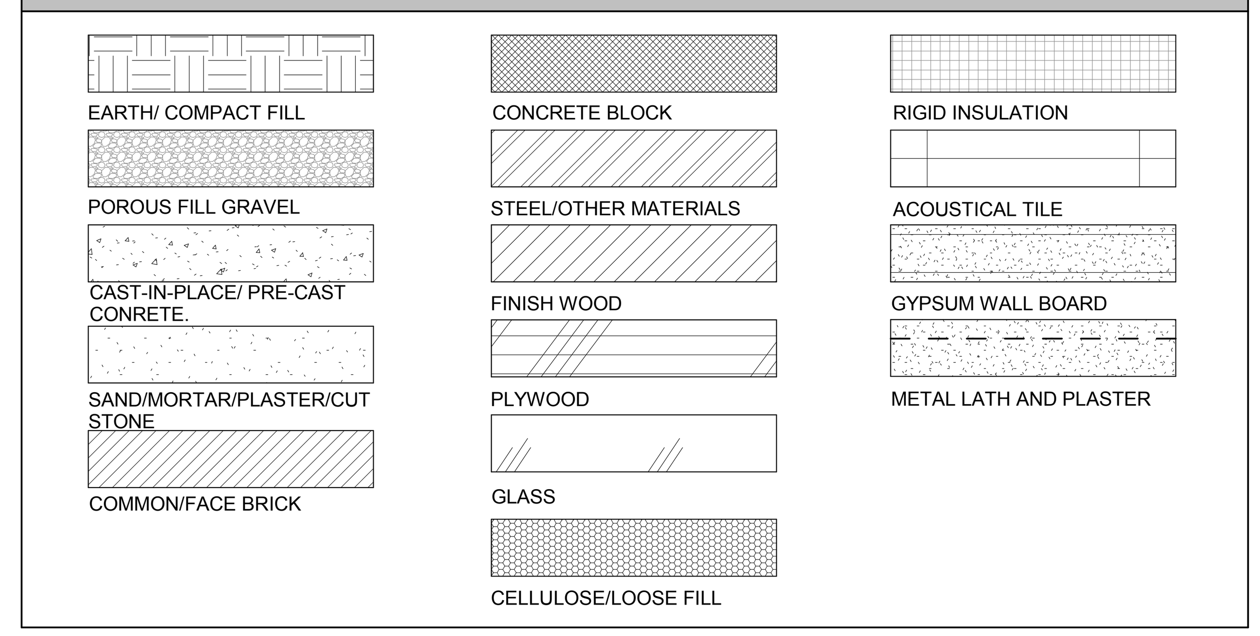
Place of Assembly applications:
DOB # 320813410
DOB # 320813429
DOB # 320813394
DOB # 320814213
DOB # 320814197
DOB # 320814160
DOB # 320872748

SITE CONNECTION PROPOSAL # SCK-543/13

SHEET SYMBOLS



MATERIAL SYMBOLS



3 PFA SYMBOLS & MATERIAL SYMBOLS

AFF	ABOVE FINISHED FLOOR
ACT	ACOUSTICAL CEILING TILE
ACMU	ACOUSTIC MASONRY UNITS
AD	ACCESS DOOR
ADJ	ADJUSTIBLE
ALUM	ALUMINUM
ARCH	ARCHITECT-ARCHITECTURAL
AUD	AUDITORIUM
AUX	AUXILIARY
BC	BUILDING CODE
BLDG	BUILDING
BL	BUILDING LINE
BLK	BLOCK
BOE	BOARD OF EDUCATION
BOS	BUREAU OF SUPPLIES
BR	BRONZE
BW	BOTTOM OF WALL
BSA	BOARD OF STANDARD & APPEALS
BUR	BUILT-UP ROOF
CAB	CABINET
CB	CATCH BASIN
CEM	CEMENT
CI	CAST IRON
CJ	CONTROL JOINT
CL	CLOSET
CLG	CEILING
CM	CONSTRUCTION MANAGER
CMU	CONCRETE MASONRY UNITS
CO	CLEANOUT
COL	COLUMN
CPT	CARPET
CONC	CONCRETE
CONT	CONTINUOUS
CONV	CONVECTOR
CT(C/T)	CERAMIC TILE (VITREOUS)
CU FT	CUBIC FEET
DBL (DB)	DOUBLE
DEP	DEPRESSED
DET(S)	DETAIL(S)
DF	DRINKING FOUNTAIN
DH	DOUBLE HUNG
DIAM	DIAMETER
DIM	DIMENSION
DN	DOWN
DR	DRAIN
DWG	DRAWING
E J	EXPANSION JOINT
ELEC	ELECTRICAL
EL	ELEVATION
ELEV	ELEVATOR
ENCL	ENCLOSURE
ENT	ENTRANCE
EQUIP	EQUIPMENT
ERF	EPOXY RESIN FLOOR
EXH	EXHAUST
EXIST	EXISTING
EXT	EXTERIOR
FAI	FRESH AIR INTAKE
FC	FURRED CEILING
FD	FLOOR DRAIN
FER	FIRE EXTINGUISHER RECESS
FEX	FIRE EXTINGUISHER
FG	FINISHED GRADE
FIN	FINISH
FL	FLOOR
FL DR	FLOOR DRAIN
FP	FIRE PROOF
FPSC	FIRE PROOF SELF CLOSING
FMS	FLUSH MARBLE SADDLE
FS	FLOOR SINK
FSD	FULL SIZE DETAIL
FTG	FOOTING
FTS	FLUSH TERRAZZO SADDLE
FTT	FLUSH TERRAZZO TREAD
G OR GL	GLASS
GA	GAUGE
GI	GALVANIZED IRON
GT	GLAZED TILE
GWB	GYPSUM WALLBOARD (GYP BD)
HC	HANDICAPPED
HM	HOLLOW METAL
HP	HIGH POINT
HR	HAND RAIL
HVAC	HEATING-VENTILATION-AC
H.W.	HOT WATER
ID	INSIDE DIAMETER
IGU	INSULATING GLASS UNIT
INSUL	INSULATION
INT	INTERIOR
IRMA	INV ROOF MEMB ASSEMBLY
JSC	JANITOR'S SINK CLOSET
LAB	LABORATORY
LAV	LAVATORY
LCC	LEAD COATED COPPER
LINO	LINOLEUM
LP	LOW POINT
LS	LIMESTONE OR LOUD SPEAKER
LWCB	LIGHT WEIGHT CONC. BLOCK
MA	METAL ACCESS DOOR
MAG	MAGAZINE
MBL	MARBLE
MAT OR MAT'L	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MF	METAL FURRING
MFL&PL	METAL FURRING AND PLASTER
MIN	MINIMUM
MT	MARBLE TILE
MO	MASONRY OPENING
MRGWB	MOISTURE RESISTANT GWB
NIC	NOT IN CONTRACT
NO	NUMBER
NS	NO SCALE
OC	ON CENTER
OCCUP	OCCUPANCY
OD	OUTSIDE DIAMETER
OPG	OPENING
P	PAINT
PART	PARTITION
PAV	PAVEMENT
PERF	PERFORATED
P&D	PLUMBING AND DRAINAGE
PL OR PLAS	PLASTER
PLAT	PLATFORM
PLV	PLASTIC LAMINATED VENEER
PRES	PRESENT
PTD	PAINTED
R	RISER OR RADIUS
RAD	RADIATOR
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REINF	REINFORCING
REQ'D	REQUIRED
RET	RETAINING
REV	REVEAL
RM	ROOM
RMS	RAISED MARBLE SADDLE
RO	ROUGH OPENING
RPZ	REDUCED PRESSURE ZONE
S	SINK
SAC	SUSPENDED ACOUSTIC CEILING
SAD	SADDLE
SAN	SANITARY
SBS	STYRENE BUTADIENE MOD.
SC	ASPHALT
SECT	SELF CLOSING OR STORAGE
SF	CLOSET
	SECTION
	SQUARE FEET
SFT	STRUCTURAL FACING TILE
SH ORSH'S	SHELF OR SHELVES
SIM	SIMILAR
SL	SLEEVE
SPECS	SPECIFICATIONS
SQ FT	SQUARE FEET
SR	STORE ROOM
SS	STAINLESS STEEL
ST	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
STD	STANDARD
ST PL	STEEL PLATE
T&B	TOP & BOTTOM
TC	TOP OF CURB
TCR	TYPICAL CLASS ROOM
TEL	TELEPHONE
TEMP	TEMPORARY
TERR	TERRAZZO
TO	TRIMMED OPENING
TKP	TRUCK KICK PLATE
TYP	TYPICAL
TR	TREAD
TS	TO SADDLE
TW	TOP OF WALL
U.L.	UNDERWRITERS LABORATORY
VCT	VINYL COMPOSITION TILE
VENT	VENTILATOR
VER	VERMICULITE
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VP	VENT PIPE
VT	VINYL TILE
VIT	VINYL IMPREGNATED TACKBOARD
WC	WATER CLOSET
WAINS	WAINSCOT
WD	WOOD
WIN	WINDOW
WF	WATER FOUNTAIN
WG OR GL	WIRE GLASS OR GLASS
WH	WEEP HOLE
WM	WIRE MESH
WMG	WIRE MESH GUARD
W/O	WITHOUT
WP	WATER PROOFING
WWM	WELDED WIRE MESH

2 ABREVIATIONS

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BASIS INDEPENDENT SCHOOLS

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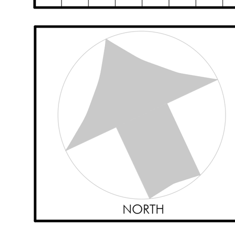
phone 520.577.4560 www.cca-az.com

ALL THE PROJECT FLOOR ELEVATIONS HAVE BEEN REVISED TO REFLECT N.A.V.D. 1988 STANDARD.(1.46' ABOVE BROOKLYN TOPOGRAPHICAL BUREAU.)

DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	01/17/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE-II
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-I
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT



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NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

556 COLUMBIA STREET
BROOKLYN, NY 11231

GENERAL NOTES,ABBREVIATIONS, LEGEND, SYMBOLS

SEAL & SIGNATURE

DATE: 04/11/2014
PROJECT NO.: 13-607
DRAWN BY: BT
CHECKED BY: SVG
DRAWING NO:
G-101.00

CADD FILE NO:
J:\Proj2013\607 BASIS

SPECIAL INSPECTIONS:

CODE/SECTION	
FLOOD ZONE COMPLIANCE	BC G105
FLOOD ZONE COMPLIANCE INSPECTION ELEVATION PROGRESS INSPECTION FINAL ELEVATION INSPECTION ELEVATION CERTIFICATE DRY FLOOD PROOFING CERTIFICATE FLOOD SHIELD (FLOOD DOOR) INSPECTION	
WALL PANELS, CURTAIN WALLS & VENEERS	BC 1704.10
SPRAYED FIRE-RESISTANT MATERIALS	BC 1704.11
FIRESTOP, DRAFTSTOP AND FIREBLOCK SYSTEMS	BC 1704.25
STRUCTURAL STEEL- WELDING	BC 1704.3.1
STRUCTURAL STEEL- ERECTION & BOLTING	BC 1704.3.2.,.3
STRUCTURAL COLD-FORMED STEEL	BC 1704.3.4
CONCRETE – CAST-IN PLACE	BC 1704.4
FOOTING & FOUNDATION INSPECTION	BC 1704.4
SOIL-SITE PREPARATION	BC 1704.7.1
SOIL FILL PLACEMENT & IN-PLACE DENSITY	BC 1704.7.2,.3
CONCRETE TEST CYLINDERS	BC 1905.6
CONCRETE DESIGN MIX	BC 1905.3
PILE FOUNDATIONS & DRILLED PIER INSTALLATION	BC 1704.8
PIER FOUNDATIONS	BC 1704.9
EXCAVATION-SHEETING, SHORING AND BRACING	BC 1704.9
FRAMING INSPECTION	BC 1704.3.2
MECHANICAL SYSTEMS	BC 1704.15
SPRINKLERS SYSTEMS	BC 1704.21
STANDPIPE SYSTEMS	BC 1704.22
HEATING SYSTEMS	BC 1704.23
FUEL-GAS PIPING (WELDING)	BC1704.18.1
SITE STORM DRAINAGE DISPOSAL AND DETENTION SYSTEM INSTALATION	BC 1704.20

ALSO REFER TO S.O.B. FOR STRUCTURAL SPECIAL INSPECTIONS

PROGRESS INSPECTIONS

FOOTING & FOUNDATION INSPECTION	BC 109.3.1
FRAMING INSPECTION	BC 109.3.3
FIRE RESISTANCE RATED CONSTRUCTION	BC 109.3.4

PARTITIONS, FLOORS, CEILINGS, SHAFTS
FIRE BLOCKING OF CONCEALED SPACES
THROUGH-PENETRATION FIRESTOPPING, DRAFTSTOPPING & FIREBLOCKING
FIRE DAMPERS
FIRE SHUTTERS
PROTECTION OF STRUCTURAL MEMBERS

ENERGY CODE COMPLIANCE
NYCECC 1RCNY 5000-01 — BC 109.3.5

ENVELOPE:
FOUNDATION INSULATION
INSULATION PLACEMENT
FENESTRATION THERMAL VALUES
FENESTRATION & DOOR RATINGS & AIR LEAKAGE
FENESTRATION AREAS
SEALING
BUILDING ENTRANCE
MECHANICAL:
OUTDOOR EXHAUST & INTAKE LOUVERS
HVAC & SERVICE HOT WATER SYSTEM SIZING
HVAC & SERVICE HOT WATER SYSTEM CONTROLS
DUCT & PIPING INSULATION
MAINTENANCE INFORMATION
LIGHTING:
INTERIOR LIGHTING POWER
EXTERIOR LIGHTING
LIGHTING CONTROLS
EXIT SIGNS

PUBLIC ASSEMBLY: WILL BE FILED WITH DOB PUBLIC ASSEMBLY EMERGENCY LIGHTING

FUEL STORAGE AND EMERGENCY GENERATOR: WILL BE FILED WITH DOB EMERGENCY POWER SYSTEMS (GENERATOR) FUEL-OIL STORAGE AND FUEL-OIL PIPING SYSTEMS: BC 1704.16

FIRE ALARM APPLICATION #210084790 FIRE ALARM TEST
REMOVAL OF INTERIOR PARTITIONS APPLICATION # 220320668

8 SPECIAL INSPECTIONS

PORTABLE FIRE EXTINGUISHER SCHEDULE

FLOOR	SURFACE MOUNTED	SEMI-RECESSED	RECESSED
	CABINET TYPE		
GARAGE	(3) 2 - A		
1ST	(3) 2 - A	(1) 2 - A	(5) 2 - A
2ND		(1) 2 - A	(3) 2 - A
3RD		(1) 2 - A	(3) 2 - A
4TH		(1) 2 - A	(3) 2 - A
5TH	(3) 2 - A		(4) 2 - A
MECH. PENT.	(1) 2 - A		
TOTALS	9	4	19
		GRAND TOTAL =	32

FIRE EXTINGUISHER LEGEND

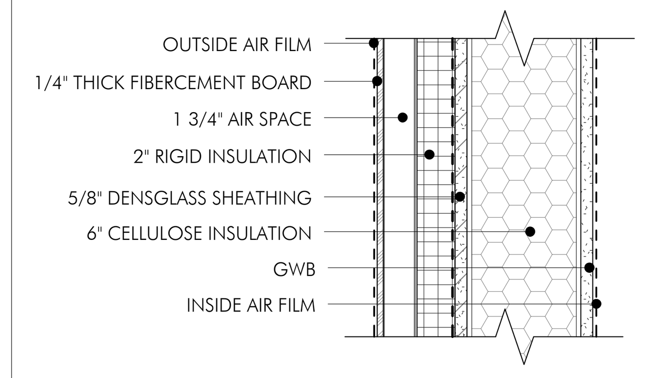
FE - S	SURFACE MOUNTED
FE - SR	SEMI-RECESSED
FE - R	RECESSED

7 PORTABLE FIRE EXTINGUISHER SCHEDULE

APPLICABLE NYC CODES	
2008	The New York City Building Code
2008	The New York City Plumbing Code
2008	The New York City Mechanical Code
2008	The New York City Fuel Gas Code
2008	The New York City Fire Code
2011	The New York City Energy Conservation Code
2011	The New York City Electrical Code
ICC A117.1	Accessible and Useable Buildings & Facilities

6 APPLICABLE NYC BUILDING CODES

WALL PERFORMANCE



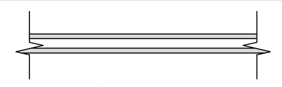
	R VALUE (AT INSULATION)	R VALUE (AT STUD)
OUTSIDE AIR FILM	= 0.17	0.17
1/4" THICK FIBERCEMENT BOARD	= 0.06	0.06
1 3/4" AIR SPACE	= 1.00	1.00
2" THICK RIGID INSULATION	= 8.00	8.00
5/8" THICK DENSGLASS	= 0.67	0.67
6" THERMAL CAVITY INSULATION	= 22.8	-
5/8" THICK GYPSUM WALLBOARD	= 0.56	0.56
INSIDE AIR FILM	= 0.68	0.68
TOTAL THERMAL RESISTANCE	= 33.94	11.14
% OF WALL AREA	= 92%	8%

COMBINED THERMAL RESISTANCE = 29.24

REQUIRED RESISTANCE (R) = R-13+R-7.5 (CONTINUOUS)
EQUIVALANT RESISTANCE = 22.22
PROPOSED RESISTANCE = 29.24

SOUND ATTENUATION :
CALCULATED STC VALUE : 65 dBA

WINDOW PERFORMANCE


1/4"-1/2"as-1/4"

GLAZING THERMAL TRANSMITTANCE
(CURTAIN WALLS)

TOTAL U VALUE = 0.29
MAXIMUM ALLOWED U VALUE = 0.50

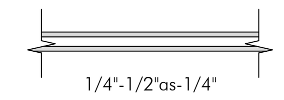
SHGC = 0.24
VISIBLE LIGHT = 46 %
OITC = 28

1/4"-1/2"as-1/8"-0.30PVB-1/8"

GLAZING THERMAL TRANSMITTANCE
(EAST FACADE CLASSROOMS)

TOTAL U VALUE = 0.28
MAXIMUM ALLOWED U VALUE = 0.50

SHGC = 0.29
VISIBLE LIGHT = 56 %
OITC = 32


1/4"-1/2"as-1/4"

GLAZING THERMAL TRANSMITTANCE
(ALL OTHER FACADES)

TOTAL U VALUE = 0.29
MAXIMUM ALLOWED U VALUE = 0.50

SHGC = 0.30
VISIBLE LIGHT = 58 %
OITC = 28

5 WALL AND WINDOW PERFORMANCE

SHEET REF — SCALE 1 1/2" = 1'-0"

SITE : 556 COLUMBIA STREET, BROOKLYN, NY 11231
PROPOSED: SCHOOL - USE GROUP 3
USE CLASSIFICATION: EDUCATIONAL GROUP 3 - SCHOOL

(TABLE 503) ALLOWABLE BUILDING HEIGHTS & AREAS
GROUP : E
CONSTRUCTION CLASSIFICATION: 1B
MAXIMUM HEIGHT: 160 FEET - PROPOSED :75'
MAXIMUM STORIES: UNLIMITED - PROPOSED: BASEMENT + FLOORS
MAXIMUM BUILDING AREA: UNLIMITED- REFER TO FLOOR AREA SCHEDULE

(TABLE 508.2) APPLICABLE INCIDENTAL USE AREAS

ROOM OR AREA:	SEPARATION REQ'D	SEPARATION PROPOSED
MECH. AND/OR ELEC. EQUIP. ROOM	1Hr. OR PROVIDE AUTOMATIC SPRINKLER SYSTEM	1Hr. W/ AUTOMATIC SPRINKLER SYSTEM
LABORATORIES AND VOCATIONAL SHOPS NOT CLASSIFIED AS GROUP "H", LOCATED IN GROUP "E"	2Hr. OR 1 Hr. & PROVIDE AUTOMATIC FIRE EXTINGUISHING SYSTEM	1Hr. W/ AUTOMATIC SPRINKLER SYSTEM
PARKING GARAGE	2Hr. OR 1 Hr. & PROVIDE AUTOMATIC FIRE EXTINGUISHING SYSTEM	OPEN PARKING - 1Hr. W/ AUTOMATIC SPRINKLER SYSTEM
STORAGE ROOMS OVER 100 Sq.Ft.	1Hr. OR PROVIDE AUTOMATIC SPRINKLER SYSTEM	PROVIDED AUTOMATIC SPRINKLER SYSTEM

(SEC. 1002.0) **GROUP E** - CORRIDOR IS DEFINED AS AN INTERIOR CORRIDOR SERVING ONLY ONE TENANT

(SEC. 910.5) SMOKE VENTING OF SHAFTS:
SHAFTS GREATER IN AREA OF 4 SQ. FT. - MIN VENT OF 3.5% OF SHAFT AREA
ENTIRE BUILDING IS SPRINKLERED AT ALL FLOORS.

(TABLE 601/602) FIRE RESISTANCE RATING REQUIREMENTS:

CONSTRUCTION TYPE:	REQUIRED	PROPOSED	
STRUCTURAL FRAME	2 HRS	2 HRS	(REINFORCED CONC. COLUMNS, CONC. WALLS AND STEEL BEAMS W/ SPREY APPLIED FIREPROOFING)
BEARING WALLS			
EXTERIOR	2 HRS	N/A	
INTERIOR	2 HRS	N/A	
NON-BEARING WALLS AND PARTITIONS			
EXTERIOR (TABLE 602)	1 HR (AT WEST WALL)	1 HR (SEE SHEET G106)	
INTERIOR	0 HRS	AS APPLICABLE TO OTHER BLDG AREAS (SHEET G105)	
FLOOR CONSTRUCTION	2 HRS	2 HRS (UL # D904)	
ROOF CONSTRUCTION	1 HR	1 HR (UL # P805)	

(TABLE 703.2) FIRE RESISTANCE RATING AND FIRE TEST
FIRE RATED MATERIAL AND EQUIPMENTS SHALL PER ASTM E 119 AND BE PROVEN TESTED AND/OR CERTIFIED BY AN APPROVED TESTING LABORATORY

(TABLE 704.8) MAXIMUM AREA OF EXTERIOR WALL OPENINGS

FIRE SEPARATION DISTANCE:	TYPE OF OPENING	ALLOWABLE OPENING.
GREATER THAN 5 & NO MORE THAN 10 FEET	UNPROTECTED	10% OF WALL AREAS
GREATER THAN 30 FEET	UNPROTECTED	UNLIMITED

(SEC. 705.4) FIRE WALLS N/A

(SEC. 706.3.7) FIRE BARRIERS

OCCUPANCY GROUP	REQ'D FIRE RESISTANCE	PROVIDED FIRE RESISTANCE
E	2 HRS	2 HRS

(SEC. 715.3) OPENING PROTECTIVE

TYPE OF ASSEMBLY	REQ'D RATING	REQ'D RATING FOR DOOR	PROPOSED RATING FOR DOOR
WALL / FIRE BARRIER	2 HRS	1 1 /2 HRS	1 1 /2 HRS
FIRE PARTITION	1 HRS	3/4 HR	3/4 HR

4 BUILDING CODE DATA

ACTUAL NUMBER OF BUILDING OCCUPANTS (WITHOUT INCIDENTAL AREAS LIKE GYM, THEATERE, ASSEMBLY, RECESS AREAS AND CAFETAREA):

FLOOR	NO. OF OCCUPANTS
GROUND FL.	9
1st FLOOR	167
2nd FLOOR	388
3rd FLOOR	390
4th FLOOR	396
5th FLOOR	389
ROOF LEVEL	2
TOTAL	1741

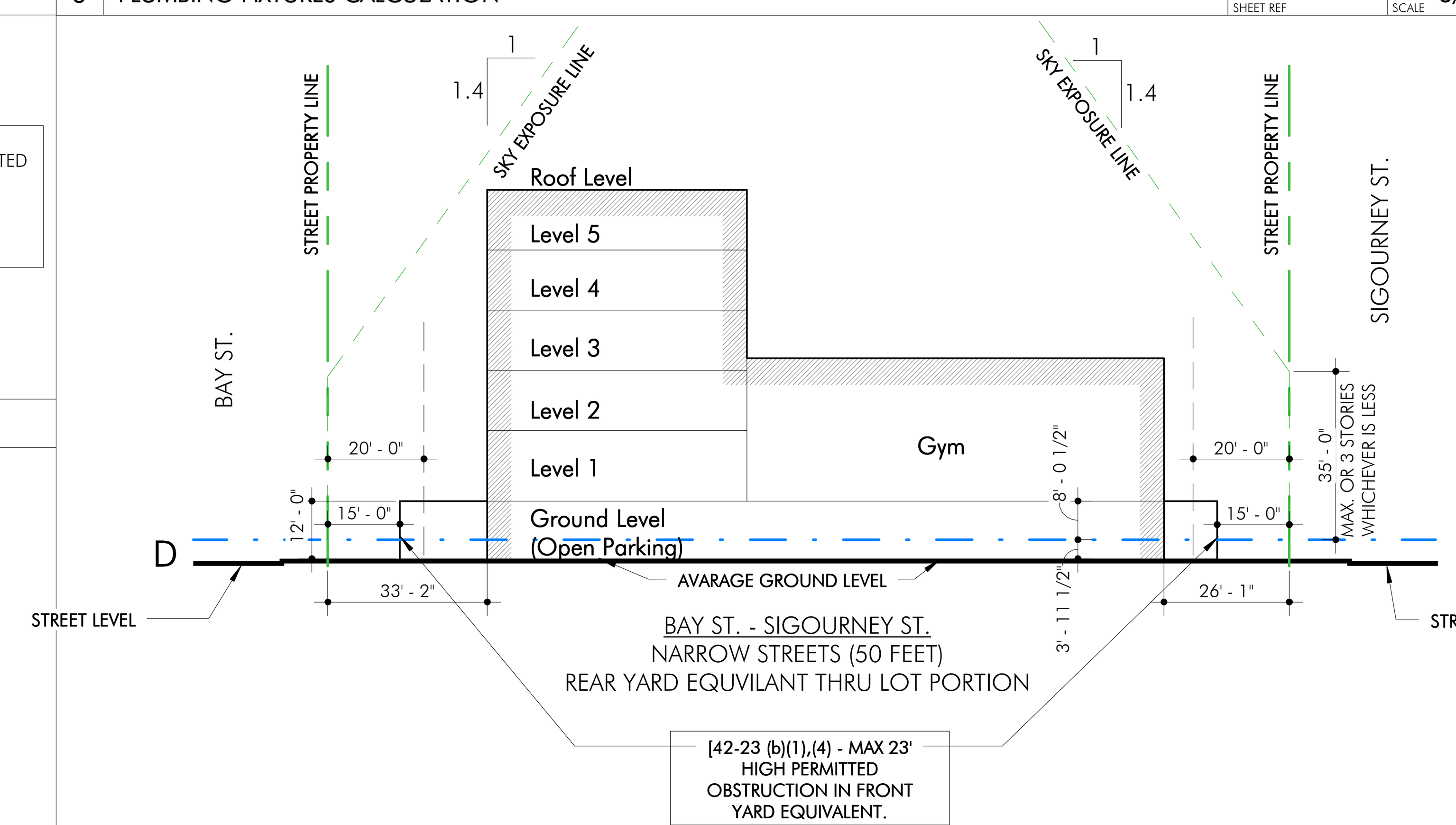
TOTAL NO. OF OCCUPANTS FOR EA. SEX = 50% OF 1741 =871

FIXTURES	MALE	FEMALE.	UNISEX
REQ'D W.C./URINALS	871/50 = 18	871/50 = 18	0
PROPOSED W.C / URINALS	20*	20*	(12)
REQ'D LAV	871/50 = 18	871/50 = 18	0
PROPOSED LAV	20*	20*	(12)
REQ'D DRINKING FOUNTAIN	1741= 17		
PROPOSED DRINKING FOUNTAIN	20 (4 ON FLOORS 1 THRU 5)		
REQ'D SERVICE SINK	1		
PROPOSED SERVICE SINK	5 (1 ON FLOORS 1 THRU 5)		

* FIXTURE COUNT INCLUDES 50% OF UNISEX FIXTURES PROVIDED

3 PLUMBING FIXTURES CALCULATION

SHEET REF — SCALE 3/32" = 1'-0"



1 ZONING DIAGRAMS

SITE: 556 COLUMBIA STREET, BROOKLYN, NY 11231
BLOCK NO: 601 LOTS: 17
COMMUNITY PLANNING BOARD: 306
ZONE DISTRICT: M1-1 (page 16a)
LOT AREA: 48,623.00 SF
PROPOSED USE: SCHOOL - USE GROUP 3
(42-31) SCHOOL PERMITTED BY SPECIAL PERMIT OF THE BOARD OF STANDARDS AND APPEALS.
MAXIMUM ALLOWABLE FLOOR AREA
(41-122) MAXIMUM FLOOR AREA FOR COMMUNITY FACILITY BUILDING SCHOOL
MAXIMUM PERMITTED FLOOR AREA RATIO (FAR): 2.40
(LA)48,623.00 SF x (FAR)2.40 = **116,695.20 SF MAXIMUM ALLOWABLE FLOOR AREA**
PROPOSED FLOOR AREA: 98,632 SF
(43-40) HEIGHTS & SETBACKS:
(43-43) MAXIMUM HEIGHT OF FRONT WALL AND REQUIRED SETBACKS: REFER TO ZD1 ZONING DIAGRAM

FLOOR AREA SCHEDULE

FLOOR	FLOOR AREA
ROOF	740 SF
5	16,164 SF
4	14,812 SF
3	16,006 SF
2	14,543 SF
1	31,369 SF
*GROUND LEVEL	4,998 SF
**OPEN PARKING	(26,807 SF)
TOTAL FLOOR AREA	98,632 SF

* STAIR, ELEVATOR, STORAGES AND EXIST HALLWAY ENCLOSURES

** 12-10 (b)(IV)
FLOOR AREA OF A BUILDING SHALL NOT INCLUDE FLOOR SPACE USED FOR ACCESSORY OFF-STREETPARKING SPACES PROVIDED IN ANY STORY LOCATED NOT MORE THAN 23 FEET ABOVE CURB LEVEL.

(43-23) PERMITTED OBSTRUCTIONS IN REQUIRED YARDS OR REAR YARD EQUIVALENTS:
(a)(12) TERRACES AND PORCHES, OPEN.
(b)(4) PARKING SPACES FOR AUTOMOBILES OR BICYCLES, OFF-STREET, ACCESSORY, PROVIDED THAT THE HEIGHT OF AN ACCESSORY BUILDING USED FOR SUCH PURPOSES AND LOCATED IN A REQUIRED REAR YARD AND REAR YARD EQUIVALENT SHALL NOT EXCEED 23 FEET ABOVE CURB LEVEL.

(43-26) MINIMUM REQUIRED REAR YARDS (THROUGH LOT):
MINIMUM 20 FEET REAR YARD REQUIRED.

[43-28 (b)] THROUGH LOT PORTION:
- PROVIDED TWO OPEN AREAS ADJOINING STREET LINE A DEPTH OF 20 FEET PROVIDED AT EACH STREET LINE. REFER TO SITE PLAN.

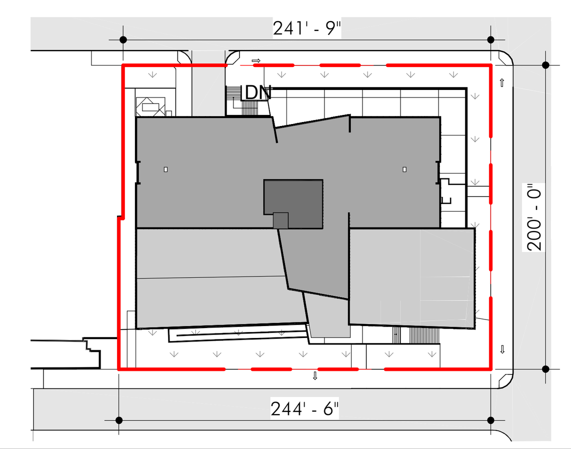
(43-311) WITHIN 100 FEET OF CORNERS: NO REAR YARD REQUIRED
(12-10) CORNER LOT PORTION: REFER TO SITE PLAN
(43-46) SIGOURNEY ST. - PARK ACROSS THE STREET?
BC 1106.1 - H.C. CAR SPACES - 5% OF TOTAL CARS. (39 X 0.05=1.8) PROPOSED 2 H.C CAR SPACES.
BC 1106.5 - 1 VAN SPACE FOR EVERY 6 OR FRACTION OF 6 H.C. SPACES (SEE ICCA 117.1 + SEC.502 B.C.)
(44-20) (44-21) PARKING FOR COMMUNITY FACILITY USE - NOT REQUIRED
PROPOSED = 39 PARKING SPACES INCLUDING 2 ACCESSIBLE SPACE AND 1 VAN ACCESSIBLE SPACE
(44-42) MIN DIMENSIONS OF CAR SPACE = 18'-00" LONG x 8'-6" WIDE
(43-02) STREET TREE PLANTING REQUIRED

3 ZONING ANALYSIS

STREET TREE ANALYSIS

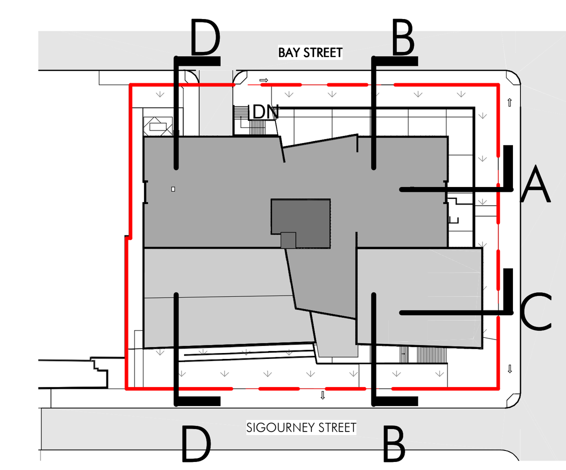
STREET FRONTAGE	= 686 LIN. FT.
ALOWABLE DEDUCTION	= 0 LIN. FT
TOTAL APPLICABLE STREET FRONTAGE	= 686 LIN. FT.
TOTAL ABOVE DIVIDED BY 25 FT.	= 27
TOTAL REQUIRED TREES	= **27**

NUMBER OF NEW STREET TREES TO BE PLANTED AT THE LOCATION (ON SITE)	=11
NUMBER OF NEW TREES TO BE PLANTED AT AN ALTERNATE LOCATION (OFF-SITE)	=16
EQUALS TOTAL NUMBER OF PROPOSED TREES(MUST EQUAL TOTAL REQUIRED TREES ABOVE)	=27

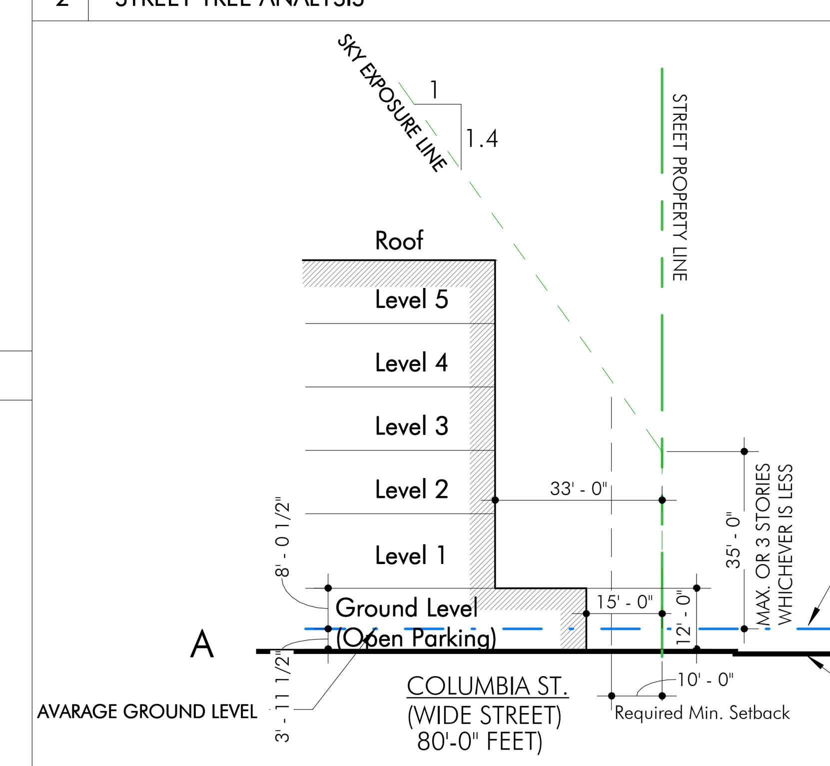


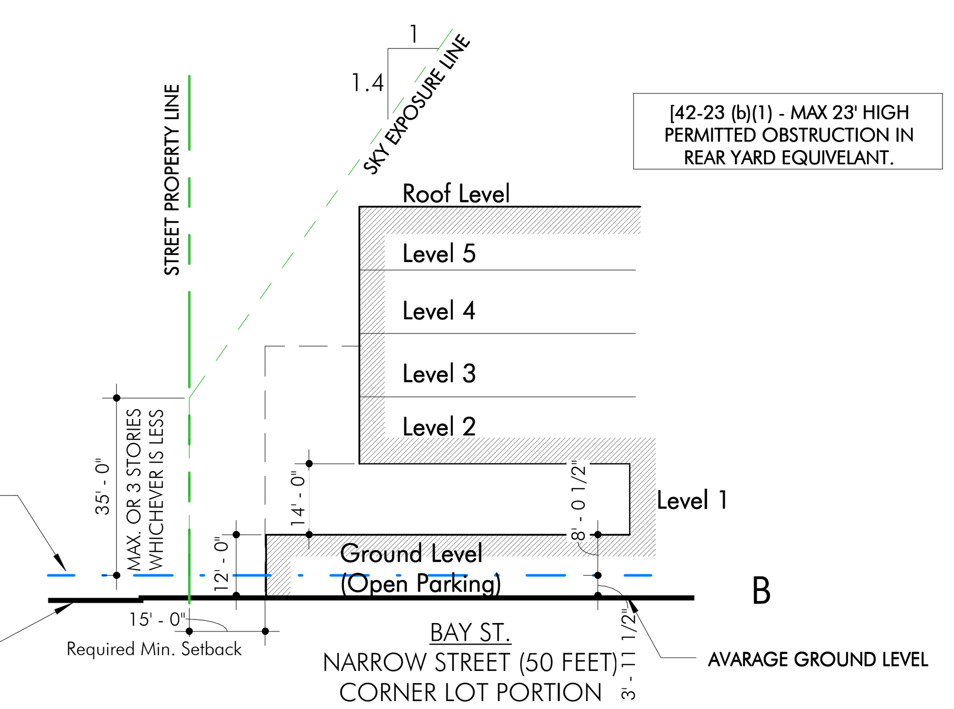
KEY PLAN

2 STREET TREE ANALYSIS

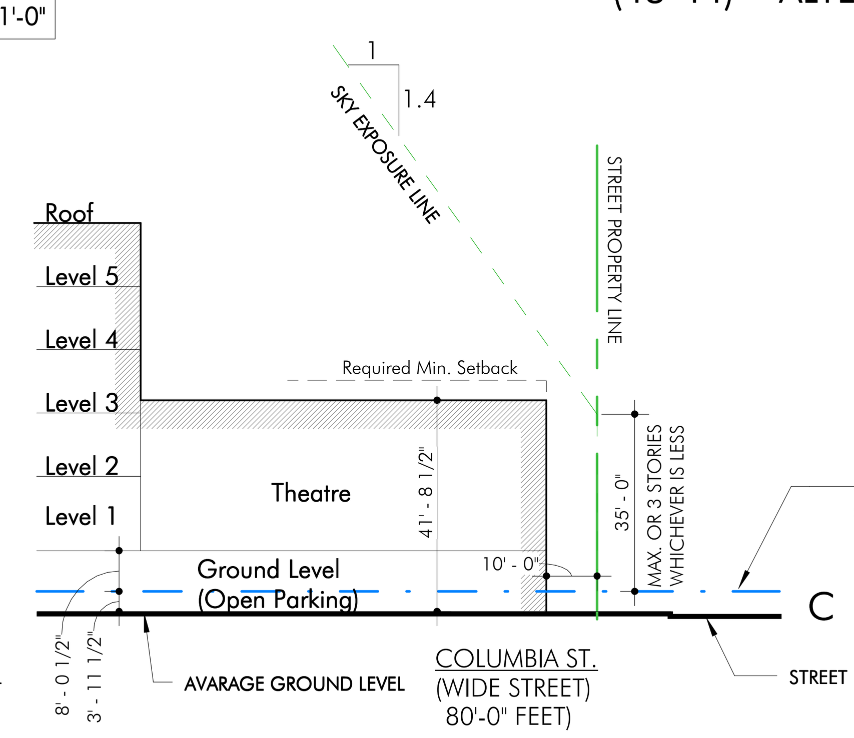


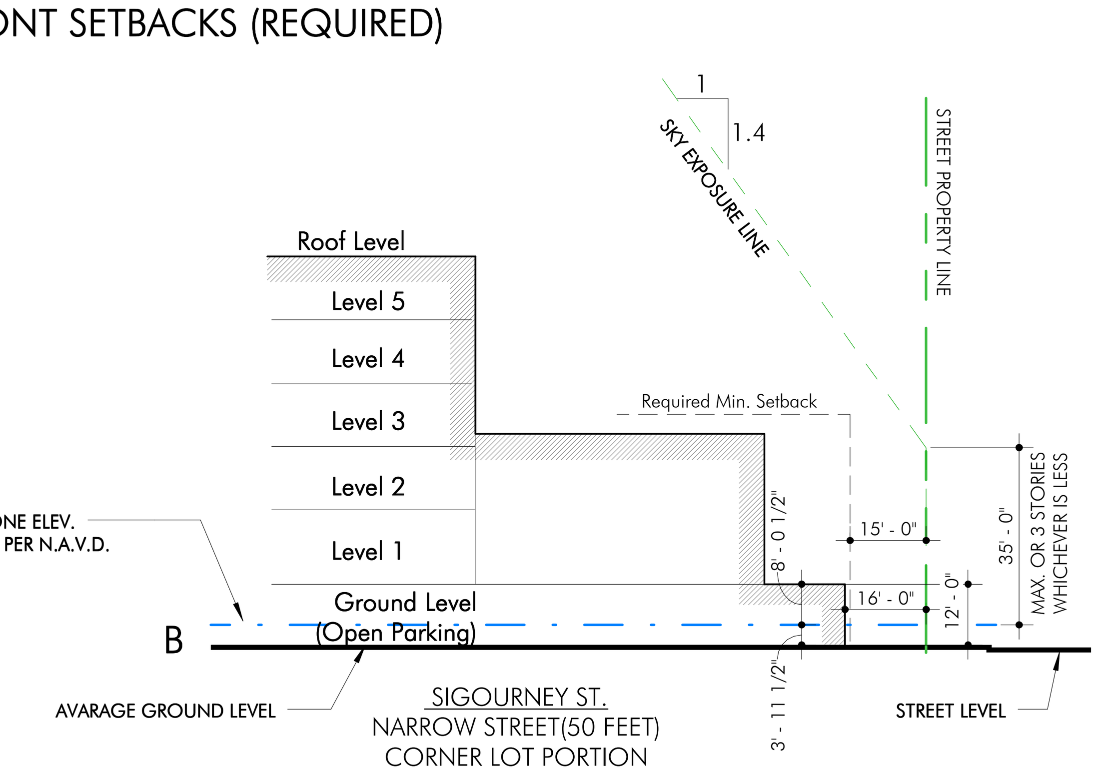
KEY PLAN





(43-44) ALTERNATE FRONT SETBACKS (REQUIRED)





ALTERNATE FRONT SETBACKS (REQUIRED)

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BASIS INDEPENDENT SCHOOLS

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ALL THE PROJECT FLOOR ELEVATIONS HAVE BEEN REVISED TO REFLECT N.A.V.D. 1988 STANDARD.(1.46' ABOVE BROOKLYN TOPOGRAPHICAL BUREAU.)

DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
9	04/11/2014	CLIENT AND CONTRACTOR	BULLETIN 1
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	01/17/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE-II
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-I
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT

NORTH

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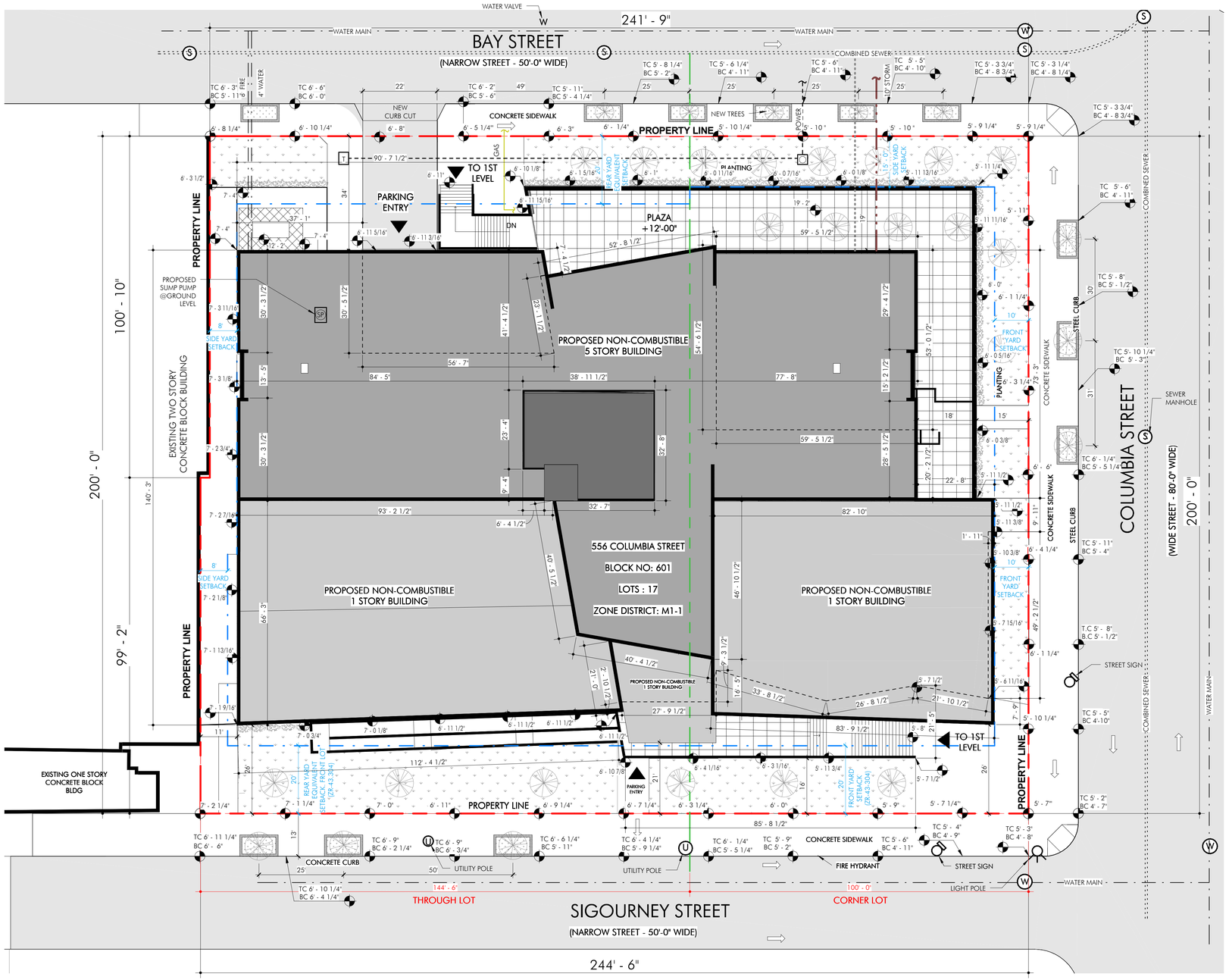
NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

556 COLUMBIA STREET
BROOKLYN, NY 11231

ZONING AND CODE INFORMATION

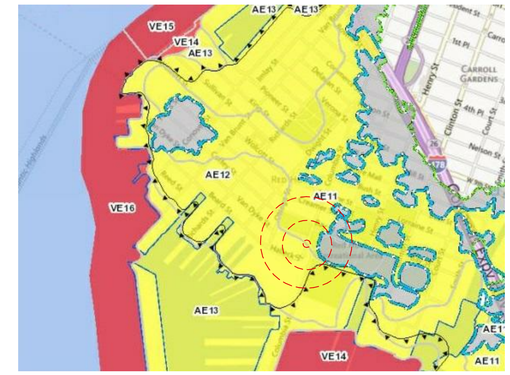
SEAL & SIGNATURE

DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	BT
CHECKED BY:	RS
DRAWING NO:	G-102.00
CADD FILE NO: J:\Proj2013\607 BASIS	3 of 272



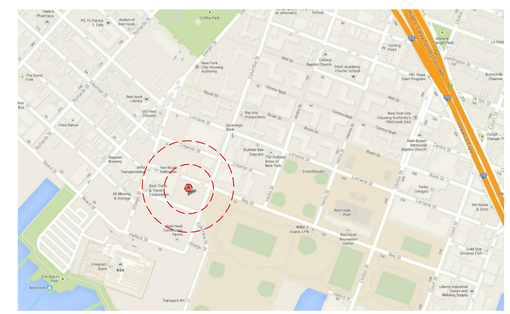
5 SITE PLAN

SCALE 1/16" = 1'-0"

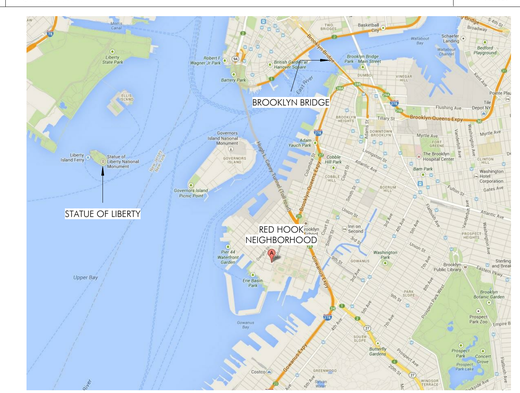


4 FEMA FLOOD ZONE MAP

3 ZONING MAP 3D VIEW N.T.S.



2 STREET MAP N.T.S.



1 AREA MAPS N.T.S.

FLOOD RESISTANCE CONSTRUCTION NOTES (NYCBC: G104.3):

1. 1. SITE IS LOCATED IN FLOOD ZONE A-11 PER FEMA MAP SHOWN ON DETAIL 4/G.003 FLOOD ZONE LEVEL IS 11'-2" PER N.A.V.D 1988 STANDARDS.
2. NO REGULATORY FLOODWAY EXISTS.
3. PROPOSED SPOT ELEVATIONS SHOWN ON SITE PLAN (THIS SHEET) AT BUILDING CORNER AND AT 20 FEET OR SMALLER INTERVALS AT BUILDING FOOTPRINT.
4. PROPOSED LOCATION OF WATER, SANITARY SEWER AND UTILITY ARE SHOWN ON SITE PLAN THIS SHEET. UTILITY METERS, CONTROLS & EQUIPMENTS ARE LOCATED ABOVE FLOOD LEVEL.
5. REFER TO C001.00, C002.00 and C003.00 FOR SITE DRAINAGE.
6. REFER TO STRUCTURAL DRAWINGS FOR FOUNDATION DETAILS.

- PROPOSED AVERAGE GROUND LEVEL IS 7'-2 1/2"" PER N.A.V.D. 1988 STANDARDS, WHICH IS 3'-11 1/2' BELOW FLOOD LEVEL.
- AT AVERAGE PARKING LEVEL PARKING, STORAGE AND BUILDING ACCESS ARE PROVIDED. REFER TO SHEET G.110 FOR FLOOR PLAN. ALL PROPOSED ENCLOSURES ARE OF REINFORCE CONCRETE COLUMNS, REINFORCED CONCRETE SHEAR WALLS AND CMU WALLS.
- PROPOSED FIRST FLOOR ELEVATION IS 19'-2 1/2" WHICH IS 8'-0 1/2" ABOVE FLOOD LEVEL.

FLOOD CONSTRUCTION STANDARD FOR A-ZONE (NYCBC:G304.1.2):

- BUILDING COMPLIES WITH ITEMS 1 THROUGH 6 OF SECTION G304.1.2 OF NYCBC.
- ALL POST CONSTRUCTION, COMPLIES FOR CATEGORY III, WITH TABLE 2-1 OF NYCBC G304.1

NOTES :

- PROPOSED DEVELOPMENT OR ENLARGEMENT SHALL COMPLY WITH ALL NEW YORK CITY ZONING AND BUILDING LAWS, AS APPROVED BY DOB.

LINE LEGEND

PROPERTY LINE

SETBACK LINE

PARTNERS FOR ARCHITECTURE
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STAMFORD, CT 06906
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DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
9	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
8	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE I
7	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE II
6	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
5	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
3	10/18/2013	OWNER	OWNER REVIEW
2	10/18/2013	DOB	ZONING AND EGRESS REVIEW
1	10/16/2013		

NORTH

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NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

556 COLUMBIA STREET
BROOKLYN, NY 11231

SITE PLAN AND AREA MAP

SEAL & SIGNATURE

DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	BT
CHECKED BY:	SVG
DRAWING NO:	G-103.00
CADD FILE NO: J:\Proj2013\607 BASIS	4 of 272

DOOR SCHEDULE

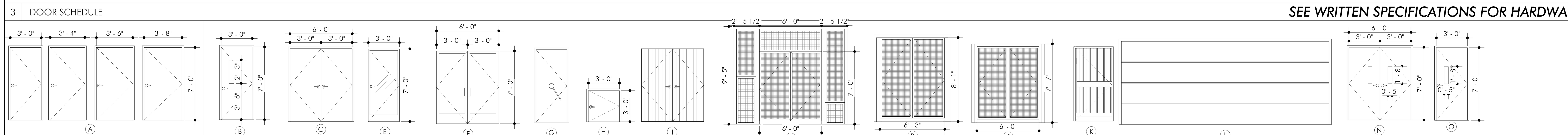
	DOOR	FROM ROOM	TO ROOM	DESCRIPTION	DOOR TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	FIRE RATING	STC	HARDWARE	COMMENTS
N.A.V.D 1988	010	UTILITY ROOM	EXTERIOR	SINGLE	G	3' - 0"	7' - 0"	1 3/4"	HM	PT	1	HM	PT				FLOOD DOOR TO MEET AE FLOOD CONTROL REQUIREMENTS
AVERAGE GROUND LEVEL	001	STAIR A	HALL	DOUBLE	N	6' - 0"	7' - 0"	1 3/4"	HM	PT	2	HM	PT	90 MIN		04	INSULATED
AVERAGE GROUND LEVEL	002	ELEV. LOBBY	PARKING	SINGLE	O	3' - 6"	7' - 0"	1 3/4"	HM	PT	1	HM	PT	45 MIN		05c	ACCESS CONTROL, INSULATED
AVERAGE GROUND LEVEL	003	STAIR C	PARKING	DOUBLE	N	6' - 0"	7' - 0"	1 3/4"	HM	PT	1	HM	PT	90 MIN		04	ACCESS CONTROL, INSULATED
AVERAGE GROUND LEVEL	004	CORRIDOR	STAIR C	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	HM	PT	1	HM	PT	90 MIN		14	
AVERAGE GROUND LEVEL	005	MAINTNENCE	PARKING	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	HM	ST	1	HM	PT	45 MIN		08	
AVERAGE GROUND LEVEL	006	STORAGE	CORRIDOR	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	HM	ST	1	HM	PT			21	
AVERAGE GROUND LEVEL	007	SECURITY	PARKING	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	HM	PT	1	HM	PT	45 MIN		18a	
AVERAGE GROUND LEVEL	008	STORAGE	PARKING	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	HM	PT	1	HM	PT	45 MIN		08	
AVERAGE GROUND LEVEL	009	STAIR B	HALL	DOUBLE	N	6' - 0"	7' - 0"	1 3/4"	HM	PT	2	HM	PT	90 MIN		04	INSULATED
AVERAGE GROUND LEVEL	011	PARKING	HALL	SINGLE	O	3' - 0"	7' - 0"	1 3/4"	HM	PT	1	HM	PT	90 MIN		14a	
AVERAGE GROUND LEVEL	012	EM GENERATOR	PARKING	DOUBLE	I	6' - 0"	7' - 0"	1 3/4"	HM	PT	2	HM	PT				COMPATIBLE W/ FENCING, PAD LOCK
AVERAGE GROUND LEVEL	013	PARKING	EXTERIOR	DOUBLE	C	6' - 0"	7' - 0"	1 3/4"	HM	PT	2	HM	PT	90 MIN		04a	INSULATED
AVERAGE GROUND LEVEL	014	PARKING	STREET	ROLL-UP	L	21' - 6"	8' - 6"			PT			PT				OH ROLL-UP COILING DOOR, ELECTRIC, ACCESS CONTROL
AVERAGE GROUND LEVEL	015	HALL	EXTERIOR	DOUBLE	C	6' - 0"	7' - 0"	1 3/4"	HM	PT	2	HM	PT	90 MIN		04a	INSULATED
AVERAGE GROUND LEVEL	016	PARKING	EXTERIOR	DOUBLE	I	6' - 0"	7' - 0"	3"		PT	2	HM	PT				PART OF FENCING W/ACCESS CONTROL
AVERAGE GROUND LEVEL	017	SIDE LOT	EXTERIOR	SINGLE	K	3' - 6"	6' - 0"	3"	HM	PT	1	HM	PT			28	PART OF FENCING
AVERAGE GROUND LEVEL	018	STORM WATER TANK	EXTERIOR	SINGLE	H	3' - 0"	3' - 0"	1 3/4"	HM	PT	1	HM	PT				INSULATED, PAD LOCK
AVERAGE GROUND LEVEL	019	PARKING	HALL	SINGLE	O	3' - 0"	7' - 0"	1 3/4"	HM	PT	1	HM	PT	90 MIN		14a	
AVERAGE GROUND LEVEL	020	PARKING	HALL	SINGLE	O	3' - 0"	7' - 0"	1 3/4"	HM	PT	1	HM	PT	90 MIN		14a	
AVERAGE GROUND LEVEL	021	HALL	STORAGE	DOUBLE	C	6' - 0"	7' - 0"	1 3/4"	HM	PT	2	HM	PT	45 MIN		08a	
AVERAGE GROUND LEVEL	022	CORRIDOR	SECURITY	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	HM	PT	1	HM	PT			18	
1ST FLOOR	101	OUTDOOR PLAY	EXTERIOR	DOUBLE	J	10' - 5"	9' - 2"	3"	HM	PT	2	HM	PT			28	PART OF FENCING WITH VANDAL PROOF LOCKING SYSTEM-ACCESS CONTROL
1ST FLOOR	102	STAIR A	OUTDOOR RECESS	DOUBLE	C	6' - 0"	7' - 0"	1 3/4"	HM	PT	2	HM	PT	90 MIN		13	
1ST FLOOR	103	WRMG KITCHEN	HALL	SINGLE	A	6' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	90 MIN		19	
1ST FLOOR	104	HALL	WOMEN'S WC	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	90 MIN		27	
1ST FLOOR	105	HALL	MEN'S WC	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	90 MIN	0	27	
1ST FLOOR	106	HALL	ADMIN CORRIDOR	SINGLE	A	2' - 10"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			03	
1ST FLOOR	107	ADMIN CORRIDOR	MEN'S WC	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	90 MIN		25	
1ST FLOOR	108	ADMIN CORRIDOR	WOMEN'S WC	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	90 MIN		25	
1ST FLOOR	109	ADMIN CORRIDOR	ADMIN 1	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
1ST FLOOR	110	ADMIN CORRIDOR	ADMIN 2	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
1ST FLOOR	111	ADMIN CORRIDOR	ADMIN 3	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
1ST FLOOR	112	ADMIN CORRIDOR	ADMIN 4	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	90 MIN		18	
1ST FLOOR	113	ADMIN CORRIDOR	CONFERENCE	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
1ST FLOOR	114	ADMIN CORRIDOR	OUTDOOR RECESS	DOUBLE	C	6' - 0"	7' - 0"	1 3/4"	HM	PT	2	HM	PT			04	INSULATED
1ST FLOOR	115	PLATFORM	ADMIN CORRIDOR	DOUBLE	C	6' - 0"	7' - 0"	1 3/4"	WD	ST	2	HM	PT			15	
1ST FLOOR	116	STAGE STORAGE	PLATFORM	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			21	
1ST FLOOR	117	PLATFORM	TELEPHONE	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	90 MIN		21	
1ST FLOOR	118	STAGE STORAGE	PLATFORM	DOUBLE	C	6' - 0"	7' - 0"	1 3/4"	WD	ST	2	HM	PT			20	
1ST FLOOR	119	BLACK BOX THEATER	EXTERIOR	SINGLE	A	3' - 8"	7' - 0"	1 3/4"	HM	PT	1	HM	PT			05	INSULATED
1ST FLOOR	120	LOBBY	EXTERIOR	DOUBLE	F	6' - 0"	7' - 0"	1 3/4"	AL/GL		2		AL			01	ACCESS CONTROL, INSULATED
1ST FLOOR	121	HALL	LOBBY	DOUBLE	F	6' - 0"	7' - 0"	1 3/4"	AL/GL		2		AL			10	ACCESS CONTROL
1ST FLOOR	122	RECEPTION	HALL	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	90 MIN		18	
1ST FLOOR	123	SOUND	HALL	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	90 MIN		18	
1ST FLOOR	124	HALL	BLACK BOX THEATER	DOUBLE	C	6' - 0"	7' - 0"	1 3/4"	WD	ST	2	HM	PT	90 MIN		13	
1ST FLOOR	125	STAIR C	HALL	SINGLE	O	3' - 0"	7' - 0"	1 3/4"	HM	PT		HM	PT	90 MIN		14	
1ST FLOOR	126	HALL	WC	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	90 MIN		25	
1ST FLOOR	127	HALL	WC	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	90 MIN		25	
1ST FLOOR	128	GYM	BOYS' LOCKER	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	90 MIN		27	
1ST FLOOR	129	GYM	GIRLS' LOCKER	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	90 MIN		27	
1ST FLOOR	130	GYM STORAGE	GYM	DOUBLE	C	6' - 0"	7' - 0"	1 3/4"	WD	ST	2	HM	PT			20	
1ST FLOOR	131	GYM	STAIR F	SINGLE	A	3' - 6"	7' - 0"	1 3/4"	HM	PT	1	HM	PT			05	NO PULL HARDWARE ON PULL SIDE
1ST FLOOR	132	HALL	K-4	SINGLE	C	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
1ST FLOOR	133	WC	K-4	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	90 MIN		27	
1ST FLOOR	134	WC	K-3	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	90 MIN		27	
1ST FLOOR	135	K-3	HALL	SINGLE	C	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
1ST FLOOR	136	K-2	HALL	SINGLE	C	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			27	
1ST FLOOR	137	WC	K-2	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	90 MIN		05	
1ST FLOOR	138	STAIR B	HALL	DOUBLE	N	6' - 0"	7' - 0"	1 3/4"	HM	PT	2	HM	PT	90 MIN		13	
1ST FLOOR	139	HALL	K-1	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
1ST FLOOR	140	K-1	WC	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	90 MIN		27	
1ST FLOOR	141	ELECTRICAL ROOM	OUTDOOR PLAY	SINGLE	A	2' - 10"	6' - 8"	1 3/4"	HM	PT	1	HM	PT			09	INSULATED
1ST FLOOR	142	ELECTRICAL ROOM	OUTDOOR PLAY	SINGLE	A	3' - 4"	7' - 0"	1 3/4"	HM	PT	1	HM	PT			09	INSULATED
1ST FLOOR	143	HALL	OUTDOOR PLAY	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	HM	PT	1	HM	PT	90 MIN		09	INSULATED
1ST FLOOR	144	HALL	OUTDOOR PLAY	SINGLE	E	3' - 0"	7' - 0"	1 3/4"	AL/GL		1		AL			02	INSULATED
1ST FLOOR	145	CAFETERIA	HALL	DOUBLE	F	6' - 0"	7' - 0"	1 3/4"	AL/GL		2		AL			12	
1ST FLOOR	146	CAFETERIA	OUTDOOR PLAY	SINGLE	E	3' - 0"	7' - 0"	1 3/4"	AL/GL		1		AL			02	INSULATED
1ST FLOOR	147	CAFETERIA	OUTDOOR RECESS	SINGLE	E	3' - 0"	7' - 0"	1 3/4"	AL/GL		1		AL			02	INSULATED
1ST FLOOR	148	GYM	HALL	DOUBLE	N	6' - 0"	7' - 0"	1 3/4"	HM	PT	2	HM	PT	90 MIN		13	
2ND FLOOR	201	STAIR B	CORRIDOR	DOUBLE	N	6' - 0"	7' - 0"	1 3/4"	HM	PT	2	HM	PT	90 MIN		13	
2ND FLOOR	202	CLASSROOM	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
2ND FLOOR	203	TOILET	CLASSROOM	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	90 MIN		27	
2ND FLOOR	204	CONNECTIONS 1	SHARED OFFICE	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
2ND FLOOR	205	CONNECTIONS 1	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
2ND FLOOR	206	CORRIDOR	CONNECTIONS 1	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
2ND FLOOR	207	CLASSROOM	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
2ND FLOOR	208	CLASSROOM	OFFICE	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
2ND FLOOR	209	OFFICE	CLASSROOM	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	90 MIN		18	
2ND FLOOR	210	CLASSROOM	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
2ND FLOOR	211	STAIR A	CORRIDOR	DOUBLE	N	6' - 0"	7' - 0"	1 3/4"	HM	PT	2	HM	PT	90 MIN		13	
2ND FLOOR	212	CLASSROOM	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
2ND FLOOR	213	TOILET	CORRIDOR	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			27	
2ND FLOOR	214	CLASSROOM	SHARED OFFICE	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	90 MIN		18	
2ND FLOOR	215	CLASSROOM	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
2ND FLOOR	216	TEACHER'S WR	CORRIDOR	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
2ND FLOOR	217	WOMEN'S WC	CORRIDOR	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			27	
2ND FLOOR	218	MEN'S WC	CORRIDOR	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			27	
2ND FLOOR	219	WC	CORRIDOR	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			25	
2ND FLOOR	220	JANITOR'S CLOSET	CORRIDOR	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	90 MIN		21	
2ND FLOOR	221	STORAGE	ART	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	90 MIN		21	
2ND FLOOR	222	CORRIDOR	ART	SINGLE	E	3' - 0"	7' - 0"	1 3/4"	AL/GL		1		AL			11	
2ND FLOOR	223	CORRIDOR	STAIR C	SINGLE	O	3' - 0"	7' - 0"	1 3/4"	HM	PT	1	HM	PT	90 MIN		14	
2ND FLOOR	224	CORRIDOR	CONNECTIONS 2	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
2ND FLOOR	225	MDF	CONNECTIONS 2	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
2ND FLOOR	226	CONNECTIONS 2	SHARED OFFICE	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
2ND FLOOR	227	OFFICE	CLASSROOM	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
2ND FLOOR	228	CLASSROOM	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
2ND FLOOR	229	TOILET	CLASSROOM	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	90 MIN		27	
2ND FLOOR	230	CLASSROOM	SHARED OFFICE	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
2ND FLOOR	231	CLASSROOM	SHARED OFFICE	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
2ND FLOOR	232	SHARED OFFICE	2ND GRADE	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
3RD FLOOR	301	STAIR B	CORRIDOR	DOUBLE	N	6' - 0"	7' - 0"	1 3/4"	HM	PT	2	HM	PT	90 MIN		13	
3RD FLOOR	302	CLASSROOM	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
3RD FLOOR	303	CLASSROOM	OFFICE	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	

DOOR SCHEDULE

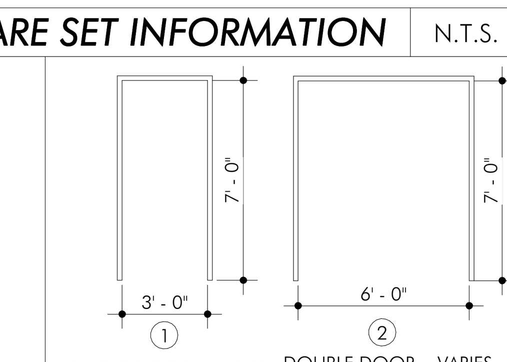
	DOOR	FROM ROOM	TO ROOM	DESCRIPTION	DOOR TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	FIRE RATING	STC	HARDWARE	COMMENTS
3RD FLOOR	304	OFFICE	CLASSROOM	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
3RD FLOOR	305	CLASSROOM	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
3RD FLOOR	306	CLASSROOM	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
3RD FLOOR	307	OFFICE	CLASSROOM	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
3RD FLOOR	308	OFFICE	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
3RD FLOOR	309	CORRIDOR	CLASSROOM	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
3RD FLOOR	310	CLASSROOM	OFFICE	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
3RD FLOOR	311	CLASSROOM	OFFICE	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	90 MIN		18	
3RD FLOOR	312	CLASSROOM	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
3RD FLOOR	313	STAIR A	CORRIDOR	DOUBLE	N	6' - 0"	7' - 0"	1 3/4"	HM	PT	2	HM	PT	90 MIN		13	
3RD FLOOR	314	CLASSROOM	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
3RD FLOOR	315	CLASSROOM	OFFICE	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
3RD FLOOR	316	LAB	OFFICE	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
3RD FLOOR	317	LAB	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
3RD FLOOR	318	CORRIDOR	WARMING KITCHEN	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	HM	PT	1	HM	PT			19	
3RD FLOOR	319	WOMEN'S WC	CORRIDOR	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	HM	PT	1	HM	PT			27	
3RD FLOOR	320	MEN'S WC	CORRIDOR	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	HM	PT	1	HM	PT			27	
3RD FLOOR	321	WC	CORRIDOR	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	HM	PT	1	HM	PT			25	
3RD FLOOR	322	STORAGE	ROOF	SINGLE	A	2' - 6"	6' - 3"	1 3/4"	HM	PT	1	HM	PT			08	
3RD FLOOR	323	STORAGE	LAB	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	45 MIN		17	CLOSER & LATCH, INSULATED
3RD FLOOR	324	JANITOR'S CLOSET	CORRIDOR	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	90 MIN		21	
3RD FLOOR	325	CORRIDOR	LAB	SINGLE	E	3' - 0"	7' - 0"	1 3/4"	AL/GL		1		AL	60 MIN		17	CLOSER & LATCH, INSULATED
3RD FLOOR	326	STORAGE	ROOF	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	HM	PT	1	HM	PT	90 MIN		08	
3RD FLOOR	327	STAIR C	CORRIDOR	SINGLE	O	3' - 0"	7' - 0"	1 3/4"	HM	PT	1	HM	PT	90 MIN		14	
3RD FLOOR	328	CLASSROOM	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
3RD FLOOR	329	STORAGE	CLASSROOM	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	90 MIN		21	
3RD FLOOR	330	CLASSROOM	OFFICE	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
3RD FLOOR	331	CLASSROOM	OFFICE	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
3RD FLOOR	332	CLASSROOM	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
3RD FLOOR	333	CLASSROOM	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
4TH FLOOR	401	STAIR B	CORRIDOR	DOUBLE	N	6' - 0"	7' - 0"	1 3/4"	HM	PT	2	HM	PT	90 MIN		13	
4TH FLOOR	402	CLASSROOM	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
4TH FLOOR	403	CLASSROOM	OFFICE	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
4TH FLOOR	404	OFFICE	CLASSROOM	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
4TH FLOOR	405	CLASSROOM	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
4TH FLOOR	406	CLASSROOM	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
4TH FLOOR	408	OFFICE	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
4TH FLOOR	409	CORRIDOR	CLASSROOM	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
4TH FLOOR	410	CLASSROOM	OFFICE	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
4TH FLOOR	411	CLASSROOM	OFFICE	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
4TH FLOOR	412	CLASSROOM	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
4TH FLOOR	413	STAIR A	CORRIDOR	DOUBLE	N	6' - 0"	7' - 0"	1 3/4"	HM	PT	2	HM	PT	90 MIN		13	
4TH FLOOR	414	CORRIDOR	MUSIC ROOM	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
4TH FLOOR	415	MUSIC ROOM	MUSIC STORAGE	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
4TH FLOOR	416					3' - 0"	7' - 0"	1 3/4"									DOOR REMOVED
4TH FLOOR	417	CLASSROOM	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
4TH FLOOR	418	OFFICE	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
4TH FLOOR	419	OFFICE	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
4TH FLOOR	420	WOMEN'S WC	CORRIDOR	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	HM	PT	1	HM	PT			27	
4TH FLOOR	421	MEN'S WC	CORRIDOR	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	HM	PT	1	HM	PT			27	
4TH FLOOR	422	WC	CORRIDOR	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	HM	PT	1	HM	PT			25	
4TH FLOOR	423	JANITOR'S CLOSET	CORRIDOR	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	90 MIN		21	
4TH FLOOR	424	KILN RM	ART	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	90 MIN		21	
4TH FLOOR	425	CORRIDOR	ART	SINGLE	E	3' - 0"	7' - 0"	1 3/4"	AL/GL		1		AL			11	
4TH FLOOR	426	STAIR C	CORRIDOR	SINGLE	O	3' - 0"	7' - 0"	1 3/4"	HM	PT	1	HM	PT	90 MIN		14	
4TH FLOOR	427	CLASSROOM	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
4TH FLOOR	428	IDF 2	CLASSROOM	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
4TH FLOOR	429	OFFICE	CLASSROOM	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
4TH FLOOR	430	CLASSROOM	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
4TH FLOOR	431	CLASSROOM	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
4TH FLOOR	432	OFFICE	CLASSROOM	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	90 MIN		18	
5TH FLOOR	501	STAIR B	CORRIDOR	DOUBLE	N	6' - 0"	7' - 0"	1 3/4"	HM	PT	2	HM	PT	90 MIN		13	
5TH FLOOR	502	PHYSICS LAB	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
5TH FLOOR	503	PHYSICS LAB	OFFICE	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
5TH FLOOR	504	OFFICE	PHYSICS LAB	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
5TH FLOOR	505	PHYSICS LAB	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
5TH FLOOR	506	CHEM LAB	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	45 MIN		22	
5TH FLOOR	507	CHEM LAB	OFFICE	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	45 MIN		19	
5TH FLOOR	508	CHEM LAB	STORAGE	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	45 MIN		17	
5TH FLOOR	509	STORAGE	CHEM LAB	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	45 MIN		17	
5TH FLOOR	510	CHEM LAB	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	45 MIN		22	
5TH FLOOR	511	PHYSICS LAB	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
5TH FLOOR	512	PHYSICS LAB	STORAGE	SINGLE	C	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	90 MIN		21	
5TH FLOOR	513	BIO LAB	OFFICE	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
5TH FLOOR	514	BIO LAB	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
5TH FLOOR	515	STAIR A	CORRIDOR	DOUBLE	N	6' - 0"	7' - 0"	1 3/4"	HM	PT	2	HM	PT	90 MIN		13	
5TH FLOOR	516	BIO LAB	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
5TH FLOOR	517	BIO LAB	OFFICE	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
5TH FLOOR	518	OFF/SEMINAR	STORAGE	SINGLE	C	3' - 6"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			21	
5TH FLOOR	519	OFF/SEMINAR	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
5TH FLOOR	520	OFFICE	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
5TH FLOOR	521	OFFICE	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
5TH FLOOR	524	OFFICE	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
5TH FLOOR	525	JANITOR'S CLOSET	CORRIDOR	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			21	
5TH FLOOR	526	WOMEN'S WC	CORRIDOR	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	HM	PT	1	HM	PT			27	
5TH FLOOR	527	MEN'S WC	CORRIDOR	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	HM	PT	1	HM	PT			27	
5TH FLOOR	528	CORRIDOR	READING ROOM	SINGLE	E	3' - 0"	7' - 0"	1 3/4"	AL/GL		1		AL			11	
5TH FLOOR	529	READING ROOM	HALLWAY	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
5TH FLOOR	530	STAIR C	CORRIDOR	SINGLE	O	3' - 0"	7' - 0"	1 3/4"	HM	PT	1	HM	PT	90 MIN		14	
5TH FLOOR	531	CORRIDOR	BIO LAB	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			23	
5TH FLOOR	532	BIO LAB	OFFICE	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
5TH FLOOR	533	BIO LAB	STORAGE	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	45 MIN		17	
5TH FLOOR	534	BIO LAB	OFFICE	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
5TH FLOOR	535	CHEM LAB	OFFICE	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	45 MIN		19	
5TH FLOOR	536	CHEM LAB	STORAGE	SINGLE	A	3' - 4"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	45 MIN		17	
5TH FLOOR	537	CHEM LAB	CORRIDOR	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT	45 MIN		22	
5TH FLOOR	538	HALLWAY	OFFICE	SINGLE	B	3' - 0"	7' - 0"	1 3/4"	WD	ST	1	HM	PT			18	
T.O.DECK	601	STAIR C	MECH.BULKHEAD	SINGLE	O	3' - 0"	7' - 0"	1 3/4"	HM	PT	1	HM	PT	90 MIN		14	
T.O.DECK	602	MECH. BULKHEAD	MECH. PENTHOUSE	DOUBLE	C	6' - 0"	7' - 0"	1 3/4"	HM	PT	2	HM	PT	45 MIN		16	
T.O.DECK	603	MECH. BULKHEAD	ROOF	DOUBLE	C	6' - 0"	7' - 0"	1 3/4"	HM	PT	2	HM	PT			07	INSULATED
T.O.DECK	604	MECH. BULKHEAD	ELEV. CONT. ROOM	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	HM	PT	1	HM	PT			17	
T.O.DECK	605	STAIR C	ROOF	SINGLE	A	3' - 0"	7' - 0"	1 3/4"	HM	PT	1	HM	PT	90 MIN			INSULATED

3 DOOR SCHEDULE

SEE WRITTEN SPECIFICATIONS FOR HARDWARE SET INFORMATION N.T.S.



2 DOOR TYPES 3/16"=1'-0



1 FRAME TYPES 3/16"=1'-0

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ALL THE PROJECT FLOOR ELEVATIONS HAVE BEEN REVISED TO REFLECT N.A.V.D. 1988 STANDARD.(1.46' ABOVE BROOKLYN TOPOGRAPHICAL BUREAU.)

DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
13	05/19/2014	CLIENT AND CONTRACTOR	BULLETIN 5
10	04/16/2014	CLIENT AND CONTRACTOR	BULLETIN 2
9	04/11/2014	CLIENT AND CONTRACTOR	BULLETIN 1
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-I
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
2	10/18/2013	OWNER	OWNER REVIEW

NORTH

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NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

556 COLUMBIA STREET
BROOKLYN, NY 11231

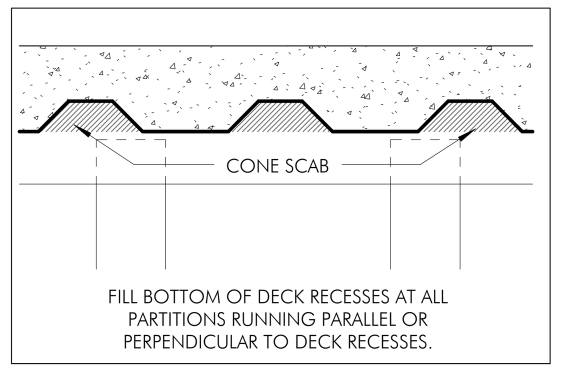
DOOR SCHEDULE, DOOR AND FRAME TYPES AND DETAILS

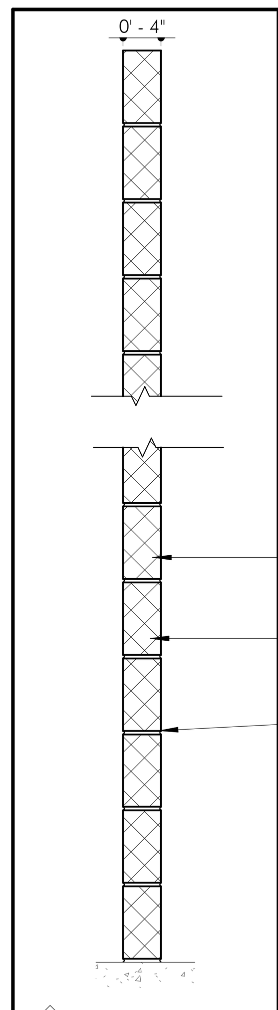
SEAL & SIGNATURE

DATE: 04/11/2014
PROJECT NO.: 13-607
DRAWN BY: TE
CHECKED BY: RS
DRAWING NO.:
G-104.00

CADO FILE NO:
J:\Proj2013\607 BASIS

5 of 272

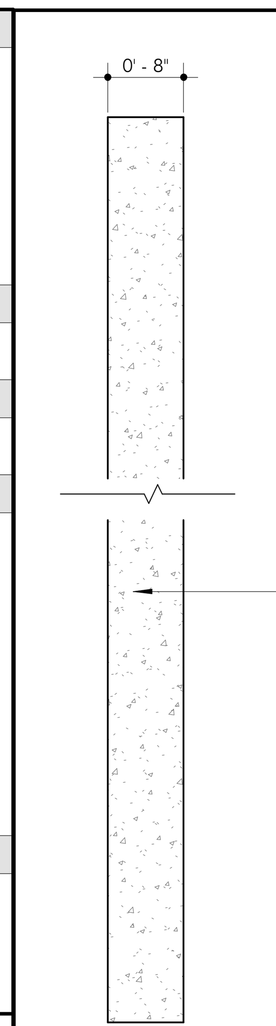




HEAD
THICKNESS
7E : 4" 7F : 6"
RATING
7F: UL U906
CONSTRUCTION
4" CONCRETE MASONRY UNIT @ 7E 6" CONCRETE MASONRY UNIT @ 7F 3/8" FULL BED OF MORTAR
BASE

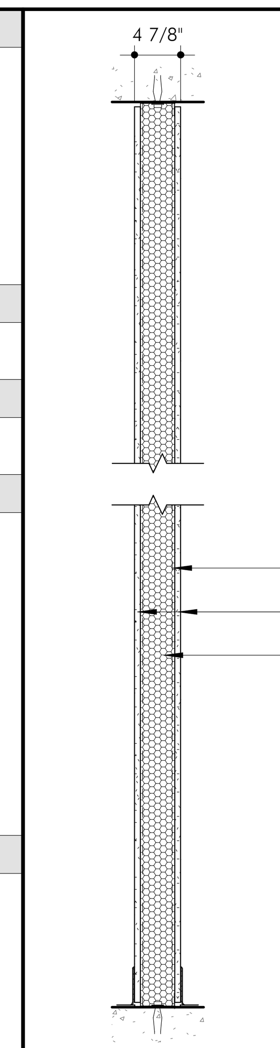
7F FULL HEIGHT PARTITION

7E FULL HEIGHT PARTITION



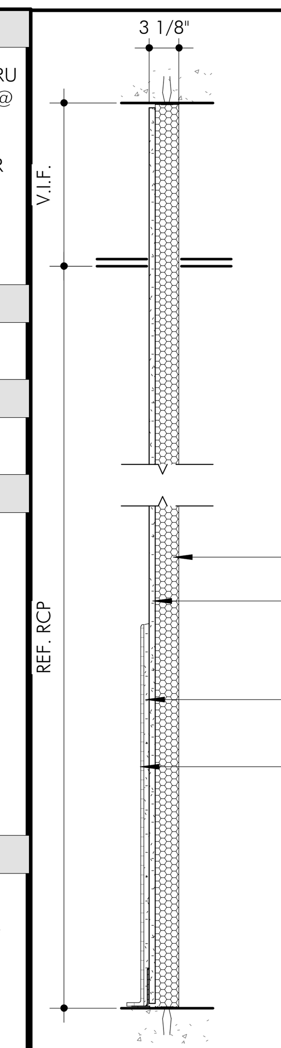
HEAD
THICKNESS
8"
RATING
N.A.
CONSTRUCTION
CAST IN PLACE REINFORCED CONCRETE
BASE

7B FULL HEIGHT PARTITION



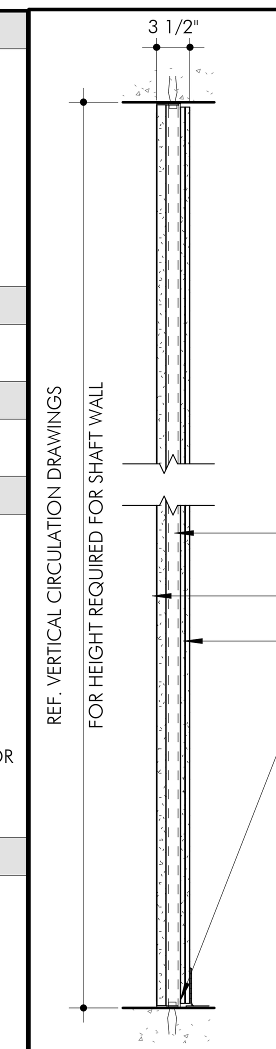
HEAD
SECURE WALL HEAD TO DECK THRU TOP RUNNER W/ EXP. ANCHORS @ 24" O.C. REF. STRUCTURAL DRAWINGS FOR TYPE OF STRUCTURE SEALANT (TYP.)
THICKNESS
4-7/8"
RATING
1 HOUR UL U465
CONSTRUCTION
3-5/8" MTL. STUDS @ 16" O.C. 5/8" TYPE-X GYP BOARD 3-1/2" THERMAL CAVITY INSULATION 3.5 PCF DENSITY
BASE
SECURE WALL BASE TO EXIST. FLOOR THRU BOTTOM TRACK W/ EXP. ANCHORS @ 24" O.C. MAX. SEE FINISH SCHEDULE

6 FULL HEIGHT PARTITION



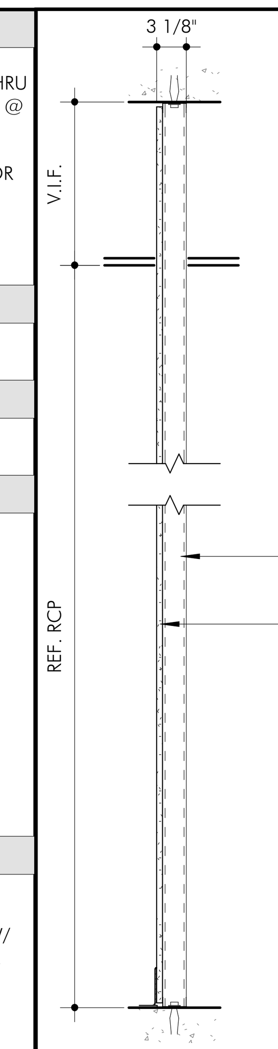
HEAD
SECURE WALL HEAD TO DECK THRU TOP RUNNER W/ EXP. ANCHORS @ 24" O.C. REF. STRUCTURAL DRAWINGS FOR TYPE OF STRUCTURE SEALANT (TYP.)
THICKNESS
3-1/8"
RATING
NON-RATED
CONSTRUCTION
2-1/2" MTL. STUDS @ 16" O.C. 5/8" GYP BOARD 5/8" TILE BACKER BOARD 3/8" WAINSCOT TILE ON MORTOR BED (REF. FINISH SCHEDULE)
BASE
SECURE WALL BASE TO EXIST. FLOOR THRU BOTTOM TRACK W/ EXP. ANCHORS @ 24" O.C. MAX. SEE FINISH SCHEDULE

5B FULL HEIGHT PARTITION



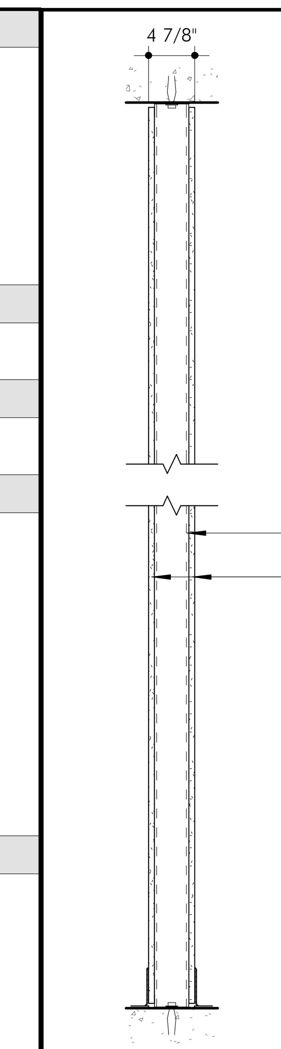
HEAD
SECURE WALL HEAD TO DECK THRU TOP RUNNER W/ EXP. ANCHORS @ 24" O.C. REF. STRUCTURAL DRAWINGS FOR TYPE OF STRUCTURE SEALANT (TYP.)
THICKNESS
3-1/2"
RATING
2-HOUR RATED UL-417/C NER-258
CONSTRUCTION
2-1/2" MTL. C-H STUDS @ 16" O.C. (1) LAYERS 1" GYP SHAFT LINEAR (2) LAYERS 1/2" TYPE- X GYP BOARD 2-1/2" FLOOR & CEILING J-CHANNEL TRACK
BASE
SECURE WALL BASE TO EXIST. FLOOR THRU BOTTOM TRACK W/ EXP. ANCHORS @ 24" O.C. MAX. SEE FINISH SCHEDULE

4A FULL HEIGHT PARTITION 2-HR SHAFT WALL



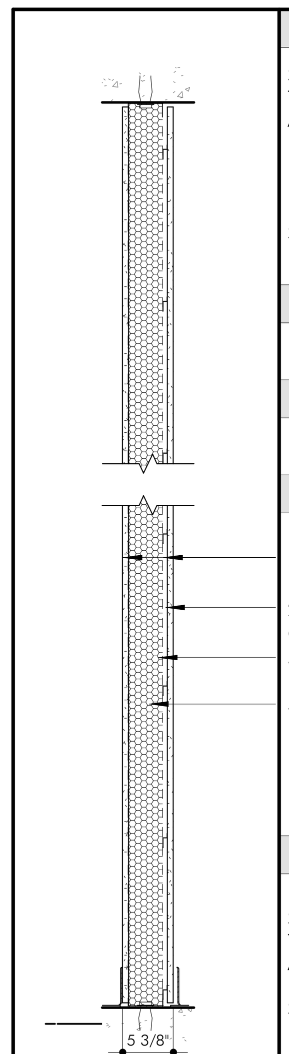
HEAD
SECURE WALL HEAD TO DECK THRU TOP RUNNER W/ EXP. ANCHORS @ 24" O.C. REF. STRUCTURAL DRAWINGS FOR TYPE OF STRUCTURE SEALANT (TYP.)
THICKNESS
3-1/8"
RATING
NON-RATED
CONSTRUCTION
2-1/2" MTL. STUDS @ 16" O.C. 5/8" GYP BOARD
BASE
SECURE WALL BASE TO EXIST. FLOOR THRU BOTTOM TRACK W/ EXP. ANCHORS @ 24" O.C. MAX. SEE FINISH SCHEDULE

3 FULL HEIGHT PARTITION



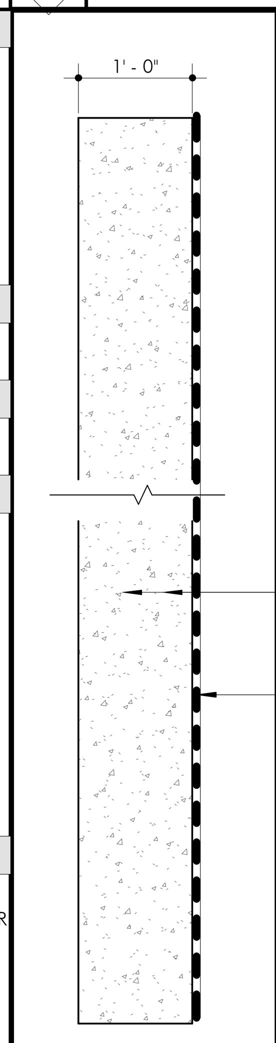
HEAD
SECURE WALL HEAD TO DECK THRU TOP RUNNER W/ EXP. ANCHORS @ 24" O.C. REF. STRUCTURAL DRAWINGS FOR TYPE OF STRUCTURE SEALANT (TYP.)
THICKNESS
4-7/8"
RATING
NON-RATED
CONSTRUCTION
3-5/8" MTL. STUDS @ 16" O.C. 5/8" GYP BOARD
BASE
SECURE WALL BASE TO EXIST. FLOOR THRU BOTTOM TRACK W/ EXP. ANCHORS @ 24" O.C. MAX. SEE FINISH SCHEDULE

2A FULL HEIGHT PARTITION



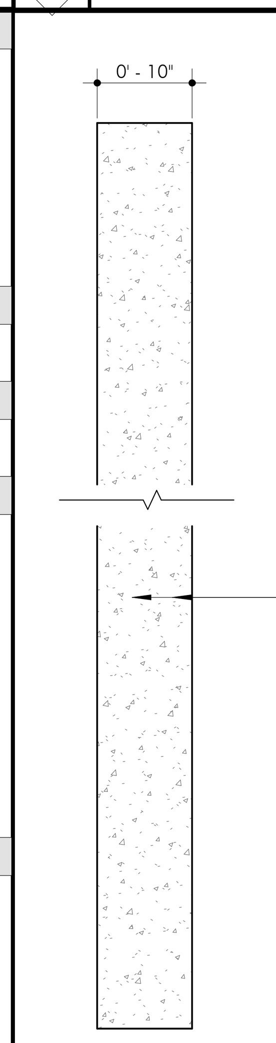
HEAD
SECURE WALL HEAD TO DECK THRU TOP RUNNER W/ EXP. ANCHORS @ 24" O.C. REF. STRUCTURAL DRAWINGS FOR TYPE OF STRUCTURE SEALANT (TYP.)
THICKNESS
5-3/8"
RATING
NON-RATED
CONSTRUCTION
(2) 5/8" TYPE-X GYP BOARD EACH SIDE 20 GAUGE RESILIENT CHANNEL @16" O.C., HORIZONTAL 3 5/8" MTL STUDS, 16" O.C. 3-1/2" CAVITY SOUND INSULATION
BASE
SECURE WALL BASE TO EXIST. FLOOR THRU BOTTOM TRACK W/ EXP. ANCHORS @ 24" O.C. MAX. SEE FINISH SCHEDULE

2C FULL HEIGHT PARTITION



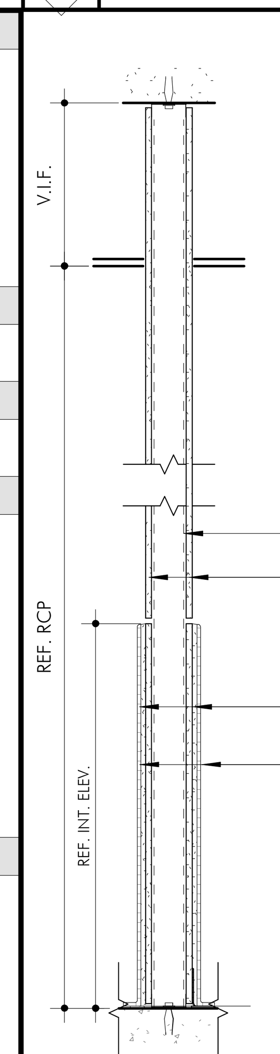
HEAD
THICKNESS
12"
RATING
N.A.
CONSTRUCTION
CAST IN PLACE REINFORCED CONCRETE TANK LINER
BASE

7D FULL HEIGHT PARTITION



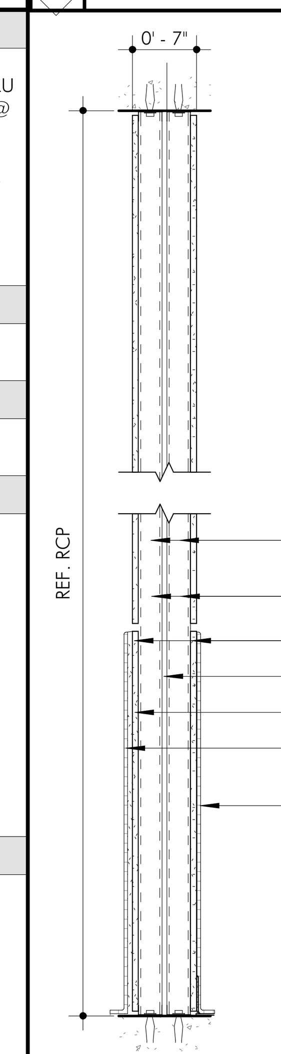
HEAD
THICKNESS
10"
RATING
N.A.
CONSTRUCTION
CAST IN PLACE REINFORCED CONCRETE
BASE

7A FULL HEIGHT PARTITION



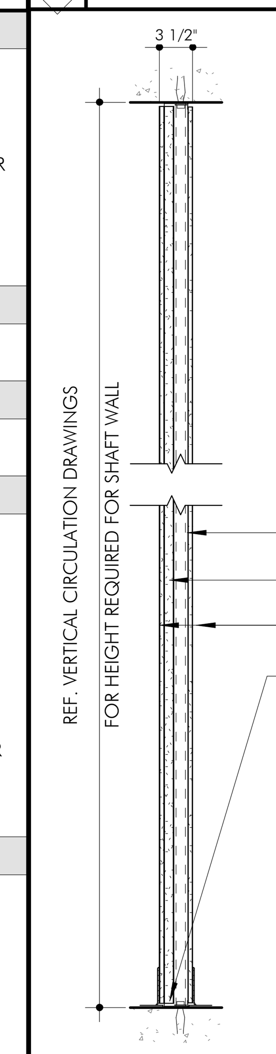
HEAD
SECURE WALL HEAD TO DECK THRU TOP RUNNER W/ EXP. ANCHORS @ 24" O.C. REF. STRUCTURAL DRAWINGS FOR TYPE OF STRUCTURE SEALANT (TYP.)
THICKNESS
4-7/8"
RATING
NON-RATED
CONSTRUCTION
3-5/8" MTL. STUDS @ 16" O.C. 5/8" TYPE-X GYP BOARD 5/8" TILE BACKER BOARD 3/8" TILE ON MORTOR BED (REF. FINISH SCHEDULE)
BASE
SECURE WALL BASE TO EXIST. FLOOR THRU BOTTOM TRACK W/ EXP. ANCHORS @ 24" O.C. MAX. SEE FINISH SCHEDULE

5D FULL HEIGHT PARTITION



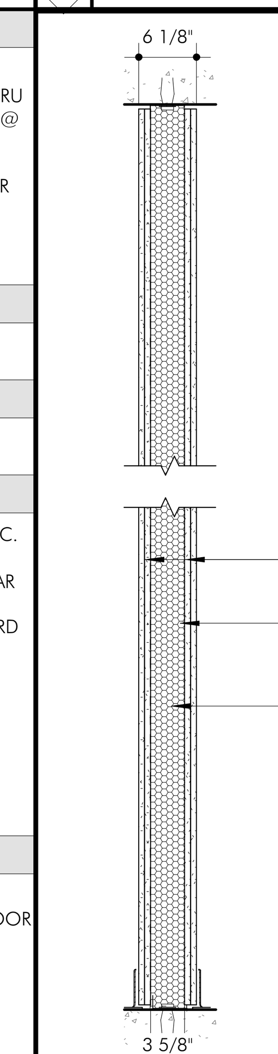
HEAD
SECURE WALL HEAD TO DECK THRU TOP RUNNER W/ EXP. ANCHORS @ 24" O.C. REF. STRUCTURAL DRAWINGS FOR TYPE OF STRUCTURE SEALANT (TYP.)
THICKNESS
6-3/4"
RATING
NON -RATED
CONSTRUCTION
2-1/2" MTL. STUDS @ 16" O.C. THERMAL CAVITY INSULATION LAYERS 5/8" GYP BOARD AIR GAP 5/8" TILE BACKER BOARD 3/8" WAINSCOT TILE ON MORTOR BED (REF. FINISH SCHEDULE) 1/4" FRP LAMINATED
BASE
SECURE WALL BASE TO EXIST. FLOOR THRU BOTTOM TRACK W/ EXP. ANCHORS @ 24" O.C. MAX. SEE FINISH SCHEDULE

5A FULL HEIGHT PARTITION



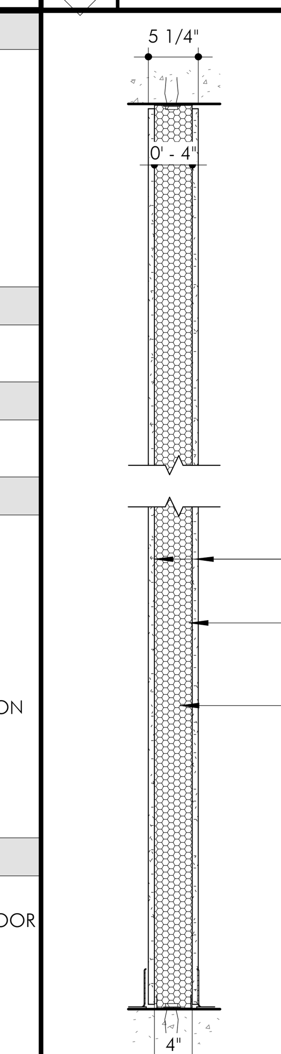
HEAD
SECURE WALL HEAD TO DECK THRU TOP RUNNER W/ EXP. ANCHORS @ 24" O.C. REF. STRUCTURAL DRAWINGS FOR TYPE OF STRUCTURE
THICKNESS
3-1/2"
RATING
2-HOUR RATED UL U-417/D
CONSTRUCTION
2-1/2" MTL. C-H STUDS @ 16" O.C. (1) LAYERS 1" GYP SHAFT LINEAR (2) LAYERS 1/2" TYPE- X GYP BOARD 2-1/2" FLOOR & CEILING J-CHANNEL TRACK
BASE
SECURE WALL BASE TO EXIST. FLOOR THRU BOTTOM TRACK W/ EXP. ANCHORS @ 24" O.C. MAX. SEE FINISH SCHEDULE

4 FULL HEIGHT PARTITION 2-HR SHAFT WALL



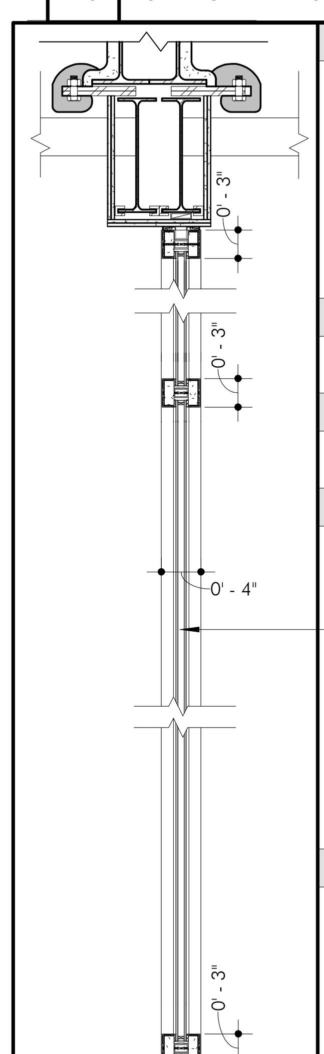
HEAD
SECURE WALL HEAD TO DECK THRU TOP RUNNER W/ EXP. ANCHORS @ 24" O.C. REF. STRUCTURAL DRAWINGS FOR TYPE OF STRUCTURE SEALANT (TYP.)
THICKNESS
6-1/8"
RATING
2 HOUR UL U419
CONSTRUCTION
(2) 5/8" TYPE-X GYP BOARD EACH SIDE 3 5/8" MTL STUDS, 16" O.C. 3-1/2" CAVITY SOUND INSULATION
BASE
SECURE WALL BASE TO EXIST. FLOOR THRU BOTTOM TRACK W/ EXP. ANCHORS @ 24" O.C. MAX. SEE FINISH SCHEDULE

2D FULL HEIGHT PARTITION



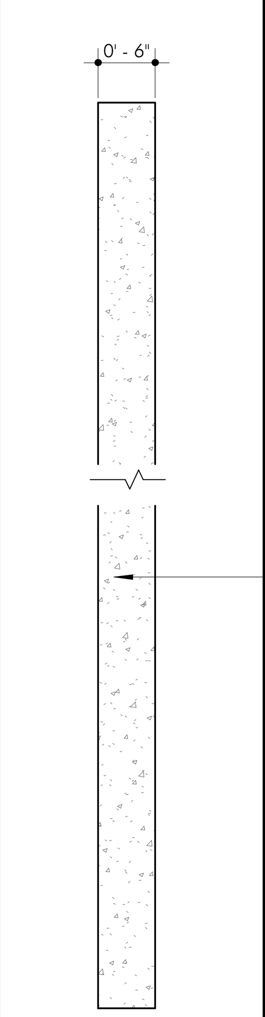
HEAD
SECURE WALL HEAD TO DECK THRU TOP RUNNER W/ EXP. ANCHORS @ 24" O.C. REF. STRUCTURAL DRAWINGS FOR TYPE OF STRUCTURE SEALANT (TYP.)
THICKNESS
5 1/4"
RATING
NON-RATED
CONSTRUCTION
5/8" GYP BOARD 4" MTL. STUDS, 16" O.C. 3-1/2" CAVITY SOUND INSULATION
BASE
SECURE WALL BASE TO EXIST. FLOOR THRU BOTTOM TRACK W/ EXP. ANCHORS @ 24" O.C. MAX. SEE FINISH SCHEDULE

2 FULL HEIGHT PARTITION



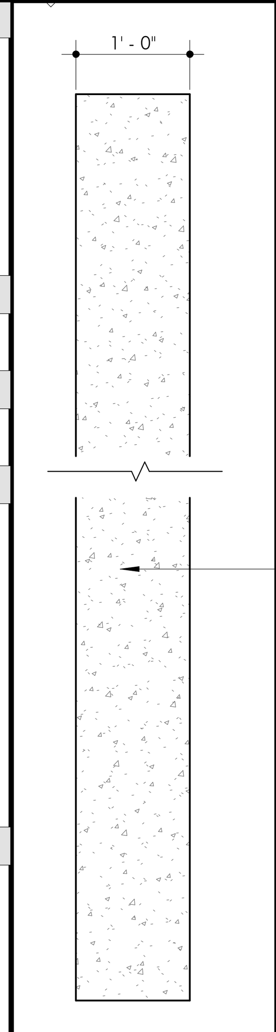
HEAD
SECURE PARTITITON HEAD TO STRUCTURAL BEAM REF. STRUCTURAL DRAWINGS FOR TYPE OF STRUCTURE
THICKNESS
4"
RATING
1 H
CONSTRUCTION
FIRE RESISTIEVE GPX WALL
BASE

8 GLAZED WALL PARTITION - 1H



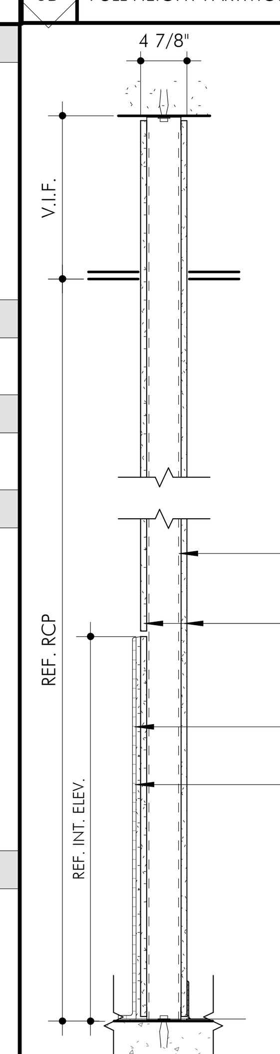
HEAD
THICKNESS
6"
RATING
N.A.
CONSTRUCTION
CAST IN PLACE REINFORCED CONCRETE
BASE

7C FULL HEIGHT PARTITION



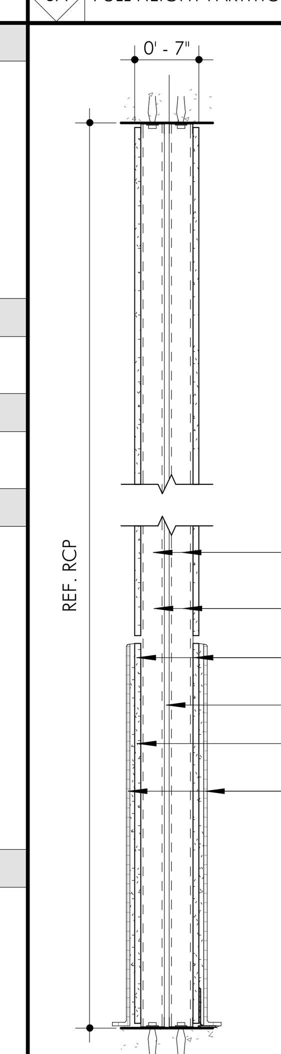
HEAD
THICKNESS
12"
RATING
N.A.
CONSTRUCTION
CAST IN PLACE REINFORCED CONCRETE
BASE

7 FULL HEIGHT PARTITION



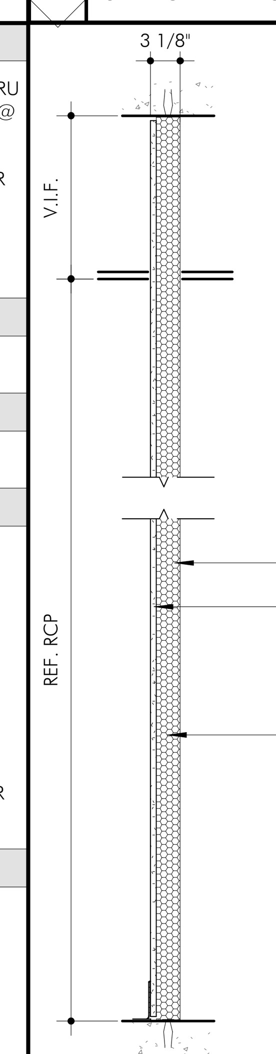
HEAD
SECURE WALL HEAD TO DECK THRU TOP RUNNER W/ EXP. ANCHORS @ 24" O.C. REF. STRUCTURAL DRAWINGS FOR TYPE OF STRUCTURE SEALANT (TYP.)
THICKNESS
4-7/8"
RATING
NON-RATED
CONSTRUCTION
3-5/8" MTL. STUDS @ 16" O.C. 5/8" TYPE-X GYP BOARD 5/8" TILE BACKER BOARD 3/8" TILE ON MORTOR BED (REF. FINISH SCHEDULE)
BASE
SECURE WALL BASE TO EXIST. FLOOR THRU BOTTOM TRACK W/ EXP. ANCHORS @ 24" O.C. MAX. SEE FINISH SCHEDULE

5C FULL HEIGHT PARTITION



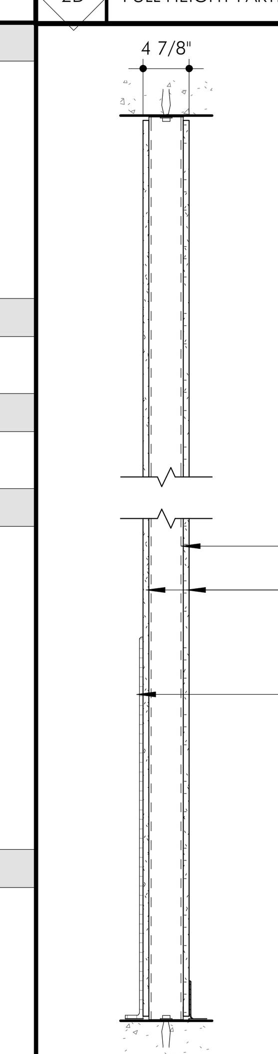
HEAD
SECURE WALL HEAD TO DECK THRU TOP RUNNER W/ EXP. ANCHORS @ 24" O.C. REF. STRUCTURAL DRAWINGS FOR TYPE OF STRUCTURE SEALANT (TYP.)
THICKNESS
6-3/4"
RATING
NON -RATED
CONSTRUCTION
2-1/2" MTL. STUDS @ 16" O.C. THERMAL CAVITY INSULATION LAYERS 5/8" GYP BOARD AIR GAP 5/8" TILE BACKER BOARD 3/8" WAINSCOT TILE ON MORTOR BED (REF. FINISH SCHEDULE)
BASE
SECURE WALL BASE TO EXIST. FLOOR THRU BOTTOM TRACK W/ EXP. ANCHORS @ 24" O.C. MAX. SEE FINISH SCHEDULE

5 FULL HEIGHT PARTITION



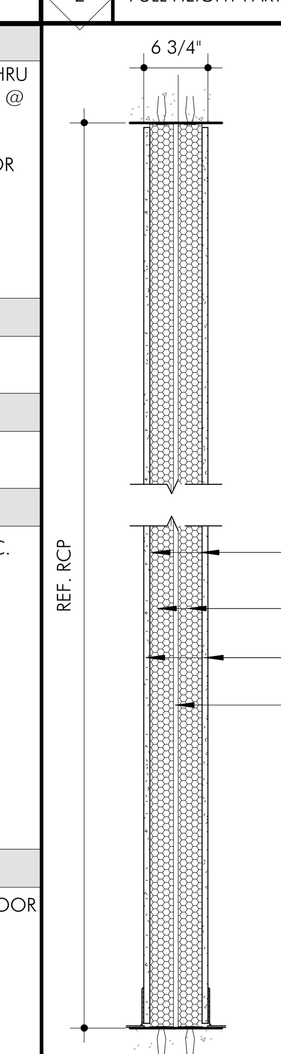
HEAD
SECURE WALL HEAD TO DECK THRU TOP RUNNER W/ EXP. ANCHORS @ 24" O.C. REF. STRUCTURAL DRAWINGS FOR TYPE OF STRUCTURE SEALANT (TYP.)
THICKNESS
3-1/8"
RATING
NON-RATED
CONSTRUCTION
2-1/2" MTL. STUDS @ 16" O.C. 5/8" GYP BOARD 2-1/2" THERMAL CAVITY INSULATION 3.5 PCF DENSITY
BASE
SECURE WALL BASE TO EXIST. FLOOR THRU BOTTOM TRACK W/ EXP. ANCHORS @ 24" O.C. MAX. SEE FINISH SCHEDULE

3A FULL HEIGHT PARTITION



HEAD
SECURE WALL HEAD TO DECK THRU TOP RUNNER W/ EXP. ANCHORS @ 24" O.C. REF. STRUCTURAL DRAWINGS FOR TYPE OF STRUCTURE
THICKNESS
4-7/8"
RATING
NON-RATED
CONSTRUCTION
3-5/8" MTL. STUDS @ 16" O.C. 5/8" GYP BOARD 1/4" FRP LAMINATED
BASE
SECURE WALL BASE TO EXIST. FLOOR THRU BOTTOM TRACK W/ EXP. ANCHORS @ 24" O.C. MAX. SEE FINISH SCHEDULE

2B FULL HEIGHT PARTITION



HEAD
SECURE WALL HEAD TO DECK THRU TOP RUNNER W/ EXP. ANCHORS @ 24" O.C. REF. STRUCTURAL DRAWINGS FOR TYPE OF STRUCTURE
THICKNESS
6-3/4"
RATING
NON -RATED
CONSTRUCTION
2-1/2" MTL. STUDS @ 16" O.C. THERMAL CAVITY INSULATION LAYERS 5/8" GYP BOARD AIR GAP
BASE
SECURE WALL BASE TO EXIST. FLOOR THRU BOTTOM TRACK W/ EXP. ANCHORS @ 24" O.C. MAX. SEE FINISH SCHEDULE

1 FULL HEIGHT PARTITION

PARTNERS FOR ARCHITECTURE
48 UNION STREET,
STAMFORD, CT 06906
P 203/708.0047
WWW.PFARCH.NET

BASIS INDEPENDENT SCHOOLS

carhuff+cueva architects, llc
3149 e prince rd #151 tucson, arizona 85716
phone 520.577.4560 www.cca-az.com

ALL THE PROJECT FLOOR ELEVATIONS HAVE BEEN REVISED TO REFLECT N.A.V.D. 1988 STANDARD.(1.46' ABOVE BROOKLYN TOPOGRAPHICAL BUREAU.)

DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
9	04/11/2014	CLIENT AND CONTRACTOR	BULLETIN 1
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	01/17/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE-II
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-I
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
2	10/18/2013	OWNER	OWNER REVIEW
1	10/16/2013	DOB	ZONING AND EGRESS REVIEW

NORTH

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NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

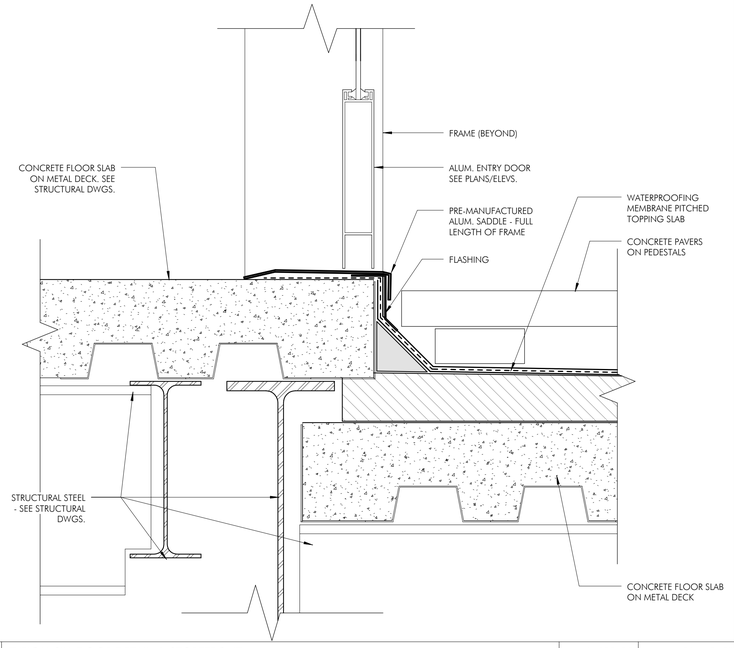
556 COLUMBIA STREET
BROOKLYN, NY 11231

INTERIOR PARTITION TYPES

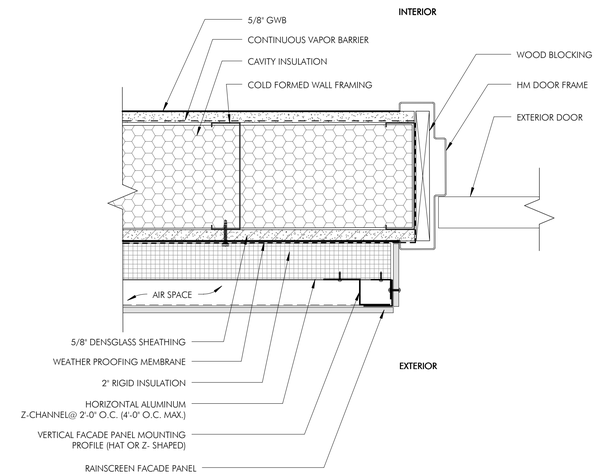
SEAL & SIGNATURE

DATE: **04/11/2014**
PROJECT NO.: **13-607**
DRAWN BY: **TE**
CHECKED BY: **RS**
DRAWING NO:
G-105.00

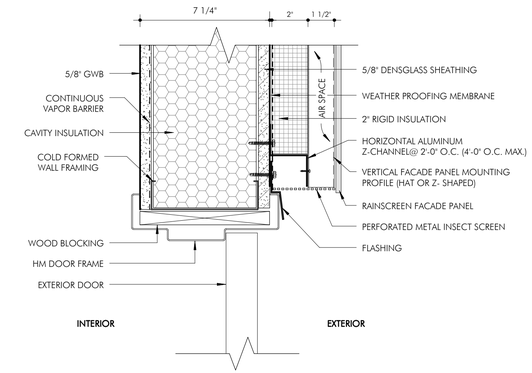
CADD FILE NO:
J:\Proj2013\607 BASIS



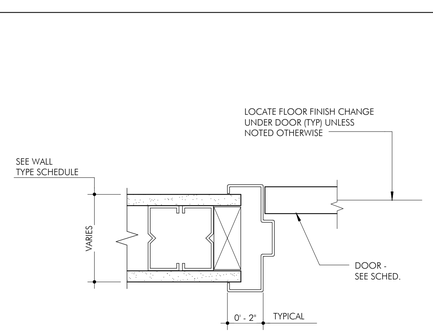
5 TYPICAL SILL DOOR DETAIL @ STOREFRONT — SHEET REF A-402.00 — SCALE 3" = 1'-0"



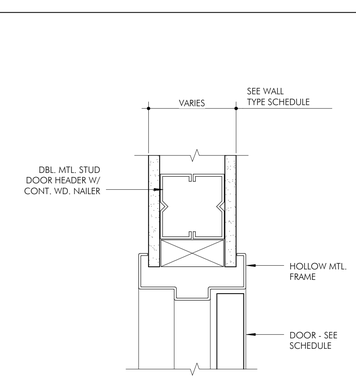
4 TYPICAL DOOR JAMB DETAIL @ RAINSCREEN FACADE — SHEET REF — SCALE 3" = 1'-0"



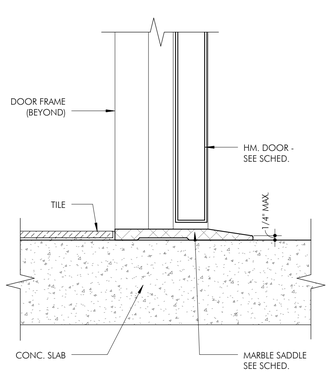
3 TYPICAL DOOR HEAD DETAIL @ RAINSCREEN FACADE — SHEET REF — SCALE 3" = 1'-0"



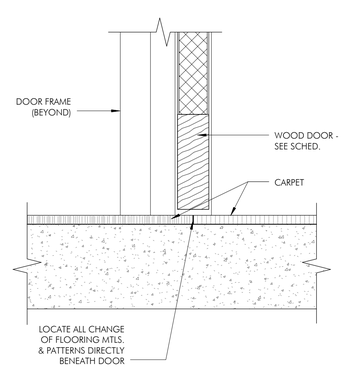
JAMB DETAIL



HEAD DETAIL

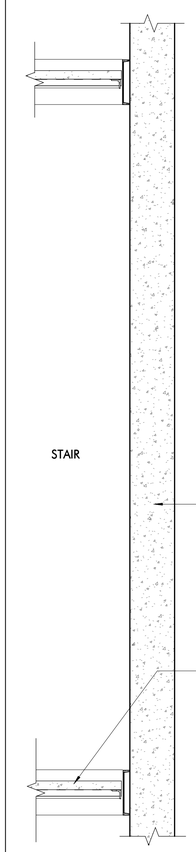


SILL DETAIL @ BATHROOMS



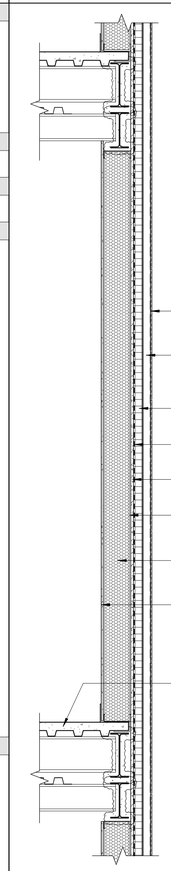
SILL DETAIL @ CARPETED AREAS

2 TYPICAL INTERIOR DOOR DETAILS — SHEET REF — SCALE 3" = 1'-0"



HEAD
THICKNESS
SEE STRUCTURAL DWGS
RATING
NON-RATED
CONSTRUCTION
BASE

CONCRETE WALL



HEAD
SECURE WALL HEAD TO DECK THRU TOP RUNNER W/ EXP. ANCHORS @ 24" O.C. REF. STRUCTURAL DRAWINGS FOR TYPE OF STRUCTURE
THICKNESS
11-3/8"
RATING
NON-RATED
CONSTRUCTION
BASE
SECURE WALL BASE TO CONCRETE FLOOR THRU BOTTOM TRACK W/ EXP. ANCHORS @ 24" O.C. MAX. SEE FINISH SCHEDULE

FIBERCEMENT PANEL FACADE

1 TYPICAL EXTERIOR PARTITIONS

PARTNERS FOR ARCHITECTURE
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BASIS INDEPENDENT SCHOOLS

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ALL THE PROJECT FLOOR ELEVATIONS HAVE BEEN REVISED TO REFLECT N.A.V.D. 1988 STANDARD.(1.46' ABOVE BROOKLYN TOPOGRAPHICAL BUREAU.)

DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
1.5	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	01/17/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE-II
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-I
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT

NORTH

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NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

556 COLUMBIA STREET
BROOKLYN, NY 11231

EXTERIOR PARTITION TYPES, EXTERIOR DOOR DETAILS

SEAL & SIGNATURE

DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	IO
CHECKED BY:	SVG
DRAWING NO:	G-106.00
CADD FILE NO: J:\Pro2013\607 BASIS	7 of 272

WINDOW SCHEDULE

Level	Type Mark	Width	Height	Sill Height	Comments
AVERAGE GROUND LEVEL	D	6' - 0"	4' - 0"	3' - 0"	
D: 1					
AVERAGE GROUND LEVEL	EE	6' - 0"	3' - 0"	2' - 10 1/2"	SECURITY TRANSACTION WINDOW
EE: 1					
AVERAGE GROUND LEVEL: 2					
1ST FLOOR	A	1' - 6"	1' - 6"	8' - 6"	
1ST FLOOR	A	1' - 6"	1' - 6"	9' - 9"	
1ST FLOOR	A	1' - 6"	1' - 6"	5' - 0"	
1ST FLOOR	A	1' - 6"	1' - 6"	6' - 6"	
A: 4					
1ST FLOOR	B	3' - 0"	3' - 0"	7' - 6"	
1ST FLOOR	B	3' - 0"	3' - 0"	9' - 4"	
1ST FLOOR	B	3' - 0"	3' - 0"	7' - 6"	
1ST FLOOR	B	3' - 0"	3' - 0"	15' - 6"	
1ST FLOOR	B	3' - 0"	3' - 0"	18' - 3"	
1ST FLOOR	B	3' - 0"	3' - 0"	3' - 6"	
B: 6					
1ST FLOOR	C	4' - 6"	4' - 6"	2' - 8"	INTERIOR W/IGU
1ST FLOOR	C	4' - 6"	4' - 6"	3' - 11 1/2"	
1ST FLOOR	C	4' - 6"	4' - 6"	3' - 11 1/2"	
1ST FLOOR	C	4' - 6"	4' - 6"	3' - 11 1/2"	
1ST FLOOR	C	4' - 6"	4' - 6"	3' - 11 1/2"	
1ST FLOOR	C	4' - 6"	4' - 6"	3' - 11 1/2"	
1ST FLOOR	C	4' - 6"	4' - 6"	3' - 11 1/2"	
1ST FLOOR	C	4' - 6"	4' - 6"	3' - 11 1/2"	
1ST FLOOR	C	4' - 6"	4' - 6"	7' - 6"	
1ST FLOOR	C	4' - 6"	4' - 6"	7' - 6"	
1ST FLOOR	C	4' - 6"	4' - 6"	2' - 0"	
C: 11					
1ST FLOOR	F	3' - 0"	4' - 6"	6' - 6"	
1ST FLOOR	F	3' - 0"	4' - 6"	6' - 6"	
F: 2					
1ST FLOOR	G	2' - 0"	4' - 0"	6"	
G: 1					
1ST FLOOR	H	4' - 0"	4' - 0"	4' - 6"	
H: 1					
1ST FLOOR	J	3' - 0"	4' - 0"	4' - 6"	
J: 1					
1ST FLOOR	L	3' - 6"	4' - 0"	4' - 6"	
L: 1					
1ST FLOOR	M	8' - 0"	3' - 0"	6' - 0"	INTERIOR W/IGU
1ST FLOOR	M	8' - 0"	3' - 0"	6' - 0"	INTERIOR W/IGU
1ST FLOOR	M	8' - 0"	3' - 0"	6' - 0"	INTERIOR W/IGU
M: 3					
1ST FLOOR	N	4' - 0"	3' - 0"	6' - 0"	INTERIOR W/IGU
N: 1					

WINDOW SCHEDULE

Level	Type Mark	Width	Height	Sill Height	Comments
1ST FLOOR	O	2' - 0"	4' - 0"	6"	RED POWDER COATING
O: 1					
1ST FLOOR	P	1' - 6"	4' - 0"	6"	RED POWDER COATING
P: 1					
1ST FLOOR	R	4' - 0"	4' - 0"	4' - 6"	RED FRAMING
R: 1					
1ST FLOOR: 34					
2ND FLOOR	A	1' - 6"	1' - 6"	6' - 6"	
2ND FLOOR	A	1' - 6"	1' - 6"	1' - 7"	
2ND FLOOR	A	1' - 6"	1' - 6"	1' - 0"	
2ND FLOOR	A	1' - 6"	1' - 6"	4' - 3"	
2ND FLOOR	A	1' - 6"	1' - 6"	6"	
A: 5					
2ND FLOOR	B	3' - 0"	3' - 0"	2' - 9"	
2ND FLOOR	B	3' - 0"	3' - 0"	4' - 2"	
2ND FLOOR	B	3' - 0"	3' - 0"	6"	
2ND FLOOR	B	3' - 0"	3' - 0"	5' - 6"	
2ND FLOOR	B	3' - 0"	3' - 0"	5' - 6"	
B: 5					
2ND FLOOR	C	4' - 6"	4' - 6"	3' - 6"	
2ND FLOOR	C	4' - 6"	4' - 6"	9"	
2ND FLOOR	C	4' - 6"	4' - 6"	4' - 0"	
C: 3					
2ND FLOOR	D	6' - 0"	4' - 0"	6' - 9"	
2ND FLOOR	D	6' - 0"	4' - 0"	6' - 9"	
2ND FLOOR	D	6' - 0"	4' - 0"	6' - 9"	
2ND FLOOR	D	6' - 0"	4' - 0"	4' - 6"	
2ND FLOOR	D	6' - 0"	4' - 0"	4' - 6"	
2ND FLOOR	D	6' - 0"	4' - 0"	4' - 6"	
D: 6					
2ND FLOOR	E	1' - 6"	3' - 0"	6"	
2ND FLOOR	E	1' - 6"	3' - 0"	5' - 6"	
E: 2					
2ND FLOOR	F	3' - 0"	4' - 6"	4' - 0"	
F: 1					
2ND FLOOR	G	2' - 0"	4' - 0"	6"	
2ND FLOOR	G	2' - 0"	4' - 0"	4' - 6"	
2ND FLOOR	G	2' - 0"	4' - 0"	6"	
2ND FLOOR	G	2' - 0"	4' - 0"	6"	
G: 4					
2ND FLOOR	H	4' - 0"	4' - 0"	4' - 6"	
2ND FLOOR	H	4' - 0"	4' - 0"	4' - 6"	
H: 2					
2ND FLOOR	I	8' - 0"	4' - 0"	4' - 6"	
2ND FLOOR	I	8' - 0"	4' - 0"	4' - 6"	
I: 2					
2ND FLOOR	J	3' - 0"	4' - 0"	4' - 6"	
2ND FLOOR	J	3' - 0"	4' - 0"	4' - 6"	
2ND FLOOR	J	3' - 0"	4' - 0"	4' - 6"	
J: 3					
2ND FLOOR	K	5' - 0"	4' - 0"	4' - 6"	
2ND FLOOR	K	5' - 0"	4' - 0"	4' - 6"	
K: 2					
2ND FLOOR	O	2' - 0"	4' - 0"	6"	
2ND FLOOR	O	2' - 0"	4' - 0"	6"	
2ND FLOOR	O	2' - 0"	4' - 0"	6"	
O: 3					
2ND FLOOR	P	1' - 6"	4' - 0"	6"	
P: 1					
2ND FLOOR	R	4' - 0"	4' - 0"	4' - 6"	
R: 1					

WINDOW SCHEDULE

Level	Type Mark	Width	Height	Sill Height	Comments
2ND FLOOR: 40					
3RD FLOOR	A	1' - 6"	1' - 6"	2' - 5 3/4"	
3RD FLOOR	A	1' - 6"	1' - 6"	7' - 0 3/4"	
3RD FLOOR	A	1' - 6"	1' - 6"	2' - 5 3/4"	
A: 3					
3RD FLOOR	B	3' - 0"	3' - 0"	3' - 11 3/4"	
3RD FLOOR	B	3' - 0"	3' - 0"	11 3/4"	
B: 2					
3RD FLOOR	C	4' - 6"	4' - 6"	4' - 0"	
C: 1					
3RD FLOOR	D	6' - 0"	4' - 0"	4' - 6"	
3RD FLOOR	D	6' - 0"	4' - 0"	4' - 6"	
3RD FLOOR	D	6' - 0"	4' - 0"	4' - 6"	
3RD FLOOR	D	6' - 0"	4' - 0"	4' - 6"	
3RD FLOOR	D	6' - 0"	4' - 0"	4' - 6"	
D: 5					
3RD FLOOR	E	1' - 6"	3' - 0"	3' - 11 3/4"	
E: 1					
3RD FLOOR	G	2' - 0"	4' - 0"	4' - 6"	
3RD FLOOR	G	2' - 0"	4' - 0"	4' - 6"	
3RD FLOOR	G	2' - 0"	4' - 0"	6"	
3RD FLOOR	G	2' - 0"	4' - 0"	4' - 6"	
3RD FLOOR	G	2' - 0"	4' - 0"	4' - 6"	
3RD FLOOR	G	2' - 0"	4' - 0"	6"	
3RD FLOOR	G	2' - 0"	4' - 0"	6"	
G: 7					
3RD FLOOR	H	4' - 0"	4' - 0"	4' - 6"	
3RD FLOOR	H	4' - 0"	4' - 0"	4' - 6"	
3RD FLOOR	H	4' - 0"	4' - 0"	4' - 6"	
H: 3					
3RD FLOOR	I	8' - 0"	4' - 0"	4' - 6"	
3RD FLOOR	I	8' - 0"	4' - 0"	4' - 6"	
3RD FLOOR	I	8' - 0"	4' - 0"	4' - 6"	
3RD FLOOR	I	8' - 0"	4' - 0"	4' - 6"	
3RD FLOOR	I	8' - 0"	4' - 0"	4' - 6"	
I: 5					
3RD FLOOR	J	3' - 0"	4' - 0"	4' - 6"	
J: 1					
3RD FLOOR	K	5' - 0"	4' - 0"	4' - 6"	
3RD FLOOR	K	5' - 0"	4' - 0"	4' - 6"	
K: 2					
3RD FLOOR	L	3' - 6"	4' - 0"	4' - 6 1/2"	
L: 1					
3RD FLOOR	O	2' - 0"	4' - 0"	6"	RED POWDER COATING
3RD FLOOR	O	2' - 0"	4' - 0"	4' - 6"	RED POWDER COATING
3RD FLOOR	O	2' - 0"	4' - 0"	6"	RED POWDER COATING
3RD FLOOR	O	2' - 0"	4' - 0"	4' - 6"	RED POWDER COATING
3RD FLOOR	O	2' - 0"	4' - 0"	6"	RED POWDER COATING
O: 5					
3RD FLOOR	P	1' - 6"	4' - 0"	6"	RED POWDER COATING
P: 1					
3RD FLOOR	R	4' - 0"	4' - 0"	4' - 6"	RED POWDER COATING
3RD FLOOR	R	4' - 0"	4' - 0"	4' - 6"	RED POWDER COATING
3RD FLOOR	R	4' - 0"	4' - 0"	4' - 6"	RED POWDER COATING
R: 3					
3RD FLOOR	U	3' - 6"	4' - 0"	4' - 6"	RED POWDER COATING
U: 1					
3RD FLOOR: 41					

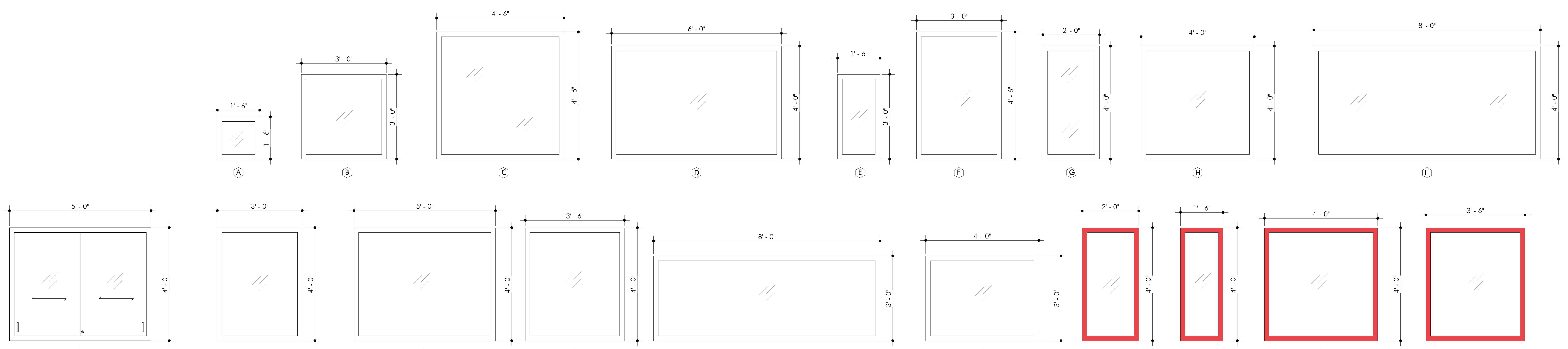
WINDOW SCHEDULE

Level	Type Mark	Width	Height	Sill Height	Comments
4TH FLOOR	A	1' - 6"	1' - 6"	6' - 0"	
4TH FLOOR	A	1' - 6"	1' - 6"	7' - 6"	
4TH FLOOR	A	1' - 6"	1' - 6"	7' - 6"	
4TH FLOOR	A	1' - 6"	1' - 6"	6' - 0"	
A: 4					
4TH FLOOR	B	3' - 0"	3' - 0"	4' - 6"	
4TH FLOOR	B	3' - 0"	3' - 0"	12' - 6"	
B: 2					
4TH FLOOR	C	4' - 6"	4' - 6"	3' - 0"	
C: 1					
4TH FLOOR	D	6' - 0"	4' - 0"	4' - 6"	
4TH FLOOR	D	6' - 0"	4' - 0"	4' - 6"	
D: 2					
4TH FLOOR	E	1' - 6"	3' - 0"	4' - 6"	
E: 1					
4TH FLOOR	F	3' - 0"	4' - 6"	0"	
4TH FLOOR	F	3' - 0"	4' - 6"	3' - 0"	
F: 2					
4TH FLOOR	G	2' - 0"	4' - 0"	6"	
4TH FLOOR	G	2' - 0"	4' - 0"	6"	
4TH FLOOR	G	2' - 0"	4' - 0"	4' - 6"	
4TH FLOOR	G	2' - 0"	4' - 0"	6"	
4TH FLOOR	G	2' - 0"	4' - 0"	6"	
4TH FLOOR	G	2' - 0"	4' - 0"	6"	
4TH FLOOR	G	2' - 0"	4' - 0"	4' - 6"	
4TH FLOOR	G	2' - 0"	4' - 0"	6"	
4TH FLOOR	G	2' - 0"	4' - 0"	6"	
4TH FLOOR	G	2' - 0"	4' - 0"	6"	
G: 10					
4TH FLOOR	H	4' - 0"	4' - 0"	4' - 6"	
4TH FLOOR	H	4' - 0"	4' - 0"	4' - 6"	
4TH FLOOR	H	4' - 0"	4' - 0"	4' - 6"	
4TH FLOOR	H	4' - 0"	4' - 0"	4' - 6"	
4TH FLOOR	H	4' - 0"	4' - 0"	4' - 6"	
H: 5					
4TH FLOOR	I	8' - 0"	4' - 0"	4' - 6"	
4TH FLOOR	I	8' - 0"	4' - 0"	4' - 6"	
4TH FLOOR	I	8' - 0"	4' - 0"	4' - 6"	
I: 3					
4TH FLOOR	J	3' - 0"	4' - 0"	4' - 6"	
4TH FLOOR	J	3' - 0"	4' - 0"	4' - 6"	
4TH FLOOR	J	3' - 0"	4' - 0"	4' - 6"	
J: 3					
4TH FLOOR	K	5' - 0"	4' - 0"	4' - 6"	
4TH FLOOR	K	5' - 0"	4' - 0"	4' - 6"	
K: 2					
4TH FLOOR	O	2' - 0"	4' - 0"	6"	RED POWDER COATING
4TH FLOOR	O	2' - 0"	4' - 0"	6"	RED POWDER COATING
4TH FLOOR	O	2' - 0"	4' - 0"	6"	RED POWDER COATING
O: 3					
4TH FLOOR	P	1' - 6"	4' - 0"	6"	RED POWDER COATING
P: 1					
4TH FLOOR	R	4' - 0"	4' - 0"	4' - 6"	RED POWDER COATING
4TH FLOOR	R	4' - 0"	4' - 0"	4' - 6"	RED POWDER COATING
4TH FLOOR	R	4' - 0"	4' - 0"	4' - 6"	RED POWDER COATING
4TH FLOOR	R	4' - 0"	4' - 0"	4' - 6"	RED POWDER COATING
R: 4					
4TH FLOOR	U	3' - 6"	4' - 0"	4' - 6"	
U: 1					
4TH FLOOR: 44					
5TH FLOOR	A	1' - 6"	1' - 6"	3' - 0"	
A: 1					
5TH FLOOR	B	3' - 0"	3' - 0"	6' - 7 1/4"	
B: 1					
5TH FLOOR	C	4' - 6"	4' - 6"	3' - 0"	

WINDOW SCHEDULE

Level	Type Mark	Width	Height	Sill Height	Comments
C: 1					
5TH FLOOR	D	6' - 0"	4' - 0"	4' - 6"	
5TH FLOOR	D	6' - 0"	4' - 0"	4' - 6"	
5TH FLOOR	D	6' - 0"	4' - 0"	4' - 6"	
5TH FLOOR	D	6' - 0"	4' - 0"	4' - 6"	
5TH FLOOR	D	6' - 0"	4' - 0"	4' - 6"	
D: 5					
5TH FLOOR	E	1' - 6"	3' - 0"	6' - 7 1/4"	
E: 1					
5TH FLOOR	F	3' - 0"	4' - 6"	3' - 0"	
F: 1					
5TH FLOOR	G	2' - 0"	4' - 0"	6"	
5TH FLOOR	G	2' - 0"	4' - 0"	6"	
5TH FLOOR	G	2' - 0"	4' - 0"	6"	
5TH FLOOR	G	2' - 0"	4' - 0"	6"	
5TH FLOOR	G	2' - 0"	4' - 0"	4' - 6"	
5TH FLOOR	G	2' - 0"	4' - 0"	4' - 6"	
5TH FLOOR	G	2' - 0"	4' - 0"	6"	
5TH FLOOR	G	2' - 0"	4' - 0"	4' - 6"	
5TH FLOOR	G	2' - 0"	4' - 0"	4' - 6"	
5TH FLOOR	G	2' - 0"	4' - 0"	4' - 6"	
G: 10					
5TH FLOOR	H	4' - 0"	4' - 0"	4' - 6"	
5TH FLOOR	H	4' - 0"	4' - 0"	4' - 6"	
5TH FLOOR	H	4' - 0"	4' - 0"	4' - 6"	
H: 3					
5TH FLOOR	I	8' - 0"	4' - 0"	4' - 6"	
5TH FLOOR	I	8' - 0"	4' - 0"	4' - 6"	
5TH FLOOR	I	8' - 0"	4' - 0"	4' - 6"	
5TH FLOOR	I	8' - 0"	4' - 0"	4' - 6"	
5TH FLOOR	I	8' - 0"	4' - 0"	4' - 6"	
I: 5					
5TH FLOOR	J	3' - 0"	4' - 0"	4' - 6"	
J: 1					
5TH FLOOR	K	5' - 0"	4' - 0"	4' - 6"	
5TH FLOOR	K	5' - 0"	4' - 0"	4' - 6"	
K: 2					
5TH FLOOR	L	3' - 6"	4' - 0"	4' - 6"	
L: 1					
5TH FLOOR	O	2' - 0"	4' - 0"	6"	RED POWDER COATING
5TH FLOOR	O	2' - 0"	4' - 0"	4' - 6"	RED POWDER COATING
5TH FLOOR	O	2' - 0"	4' - 0"	6"	RED POWDER COATING
5TH FLOOR	O	2' - 0"	4' - 0"	4' - 6"	RED POWDER COATING
5TH FLOOR	O	2' - 0"	4' - 0"	6"	RED POWDER COATING
O: 5					
5TH FLOOR	P	1' - 6"	4' - 0"	6"	RED POWDER COATING
P: 1					
5TH FLOOR	R	4' - 0"	4' - 0"	4' - 6"	RED POWDER COATING
5TH FLOOR	R	4' - 0"	4' - 0"	4' - 6"	RED POWDER COATING
5TH FLOOR	R	4' - 0"	4' - 0"	4' - 6"	RED POWDER COATING
R: 3					
5TH FLOOR	U	3' - 6"	4' - 0"	4' - 6"	
U: 1					
5TH FLOOR	W	0"	0"	4' - 6"	
W: 1					
5TH FLOOR: 43					
T.O.DECK	CC	4' - 0"	2' - 4"	6' - 0"	
CC: 1					
T.O.DECK: 1					

2 WINDOW SCHEDULE N.T.S.



SLIDING FRAMELESS GLASS PANELS, 1/4" TEMPERED,
WITH KEYED LOCK AND 4" GRIPS.
WHEELED SLIDING HARDWARE WITH DOUBLE TRACK.
SEE ALSO DETAIL 5/A-701

1 WINDOW ELEVATIONS AND TYPES SCALE 1/2" = 1'

PARTNERS FOR ARCHITECTURE
48 UNION STREET,
STAMFORD, CT 06906
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phone 520.577.4560 www.cca-az.com

ALL THE PROJECT FLOOR ELEVATIONS HAVE BEEN REVISED TO REFLECT N.A.V.D. 1988 STANDARD.(1.46' ABOVE BROOKLYN TOPOGRAPHICAL BUREAU.)

DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
2	10/18/2013	OWNER	OWNER REVIEW
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-I
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT

NORTH

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NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

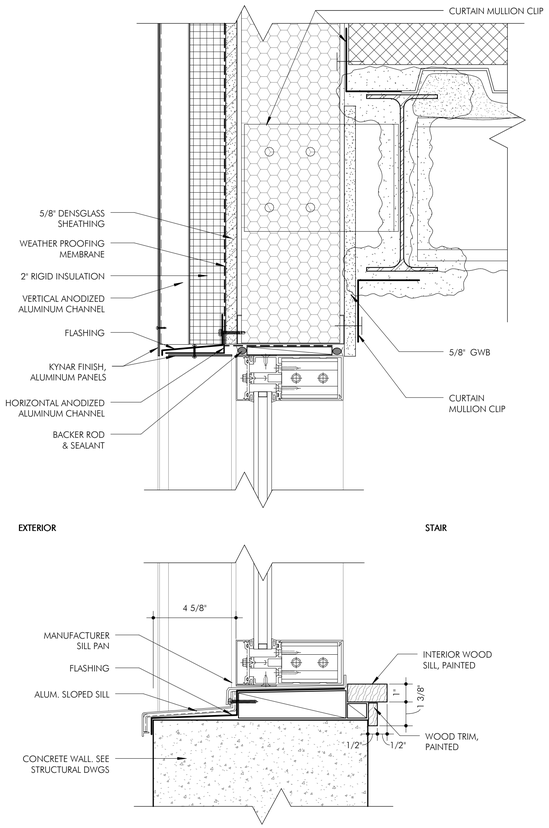
556 COLUMBIA STREET
BROOKLYN, NY 11231

WINDOW SCHEDULE AND TYPES

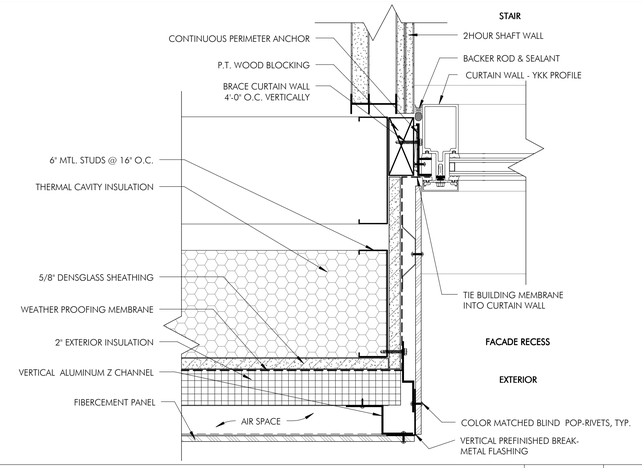
SEAL & SIGNATURE

DATE: 04/11/2014
PROJECT NO.: 13-607
DRAWN BY: TE
CHECKED BY: RS
DRAWING NO:
G-107.00

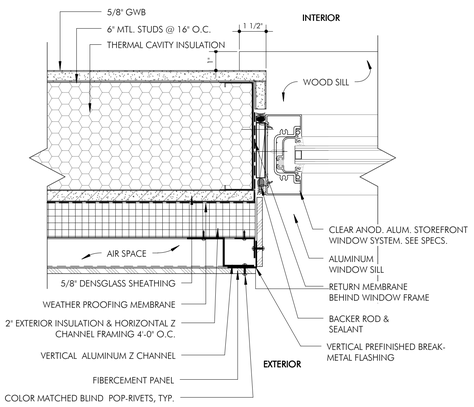
CADD FILE NO:
J:\Proj2013\607 BASIS



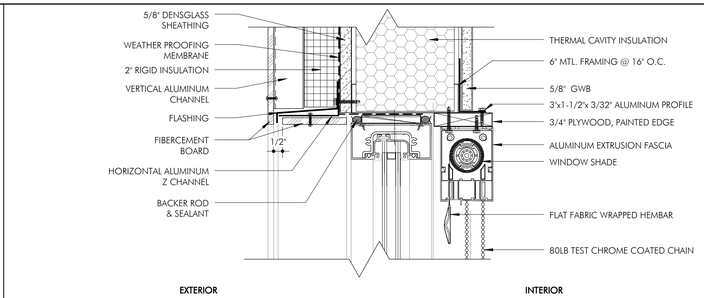
8 CURTAIN WALL HEAD & SILL DETAIL — SHEET REF A-405.00 — SCALE 3" = 1'-0"



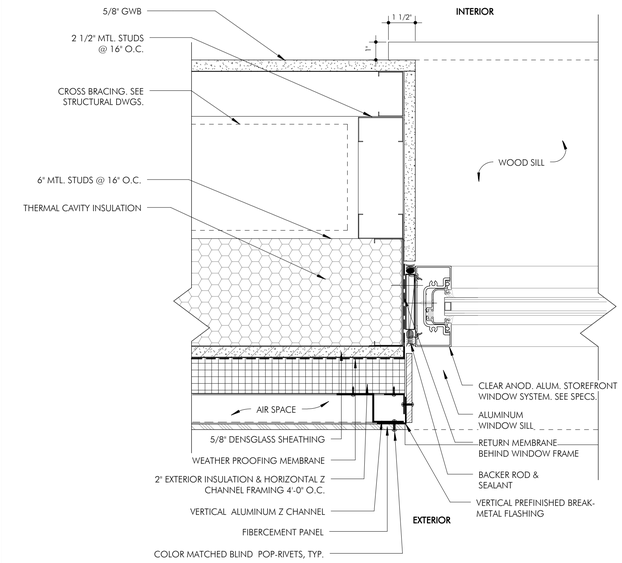
6 CURTAIN WALL JAMB DETAIL — SHEET REF A-102.00 — SCALE 3" = 1'-0"



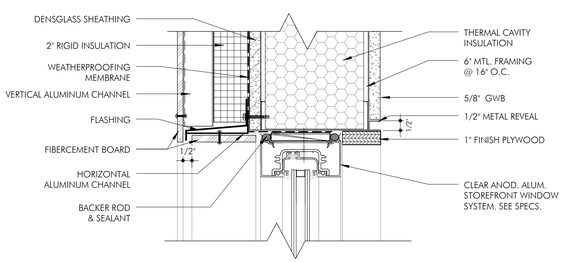
5 TYPICAL WINDOW JAMB DETAIL — SHEET REF — SCALE 3" = 1'-0"

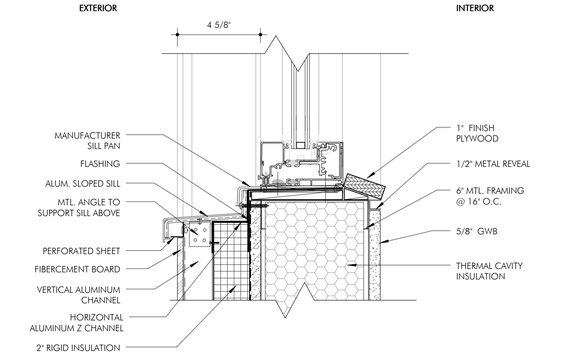


3 TYPICAL WINDOW SHADE — SCALE 3" = 1'-0"

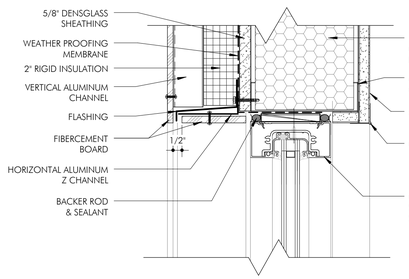


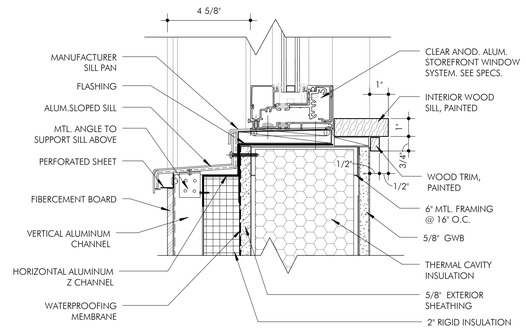
2 WINDOW JAMB DETAIL @ FURRED OUT WALL — SHEET REF — SCALE 3" = 1'-0"



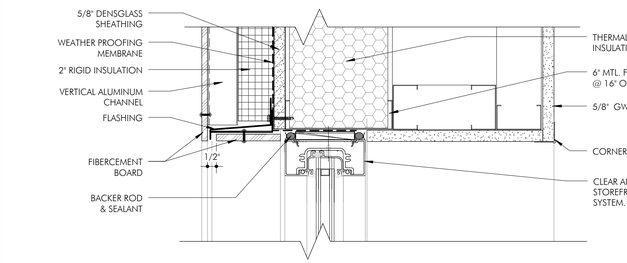


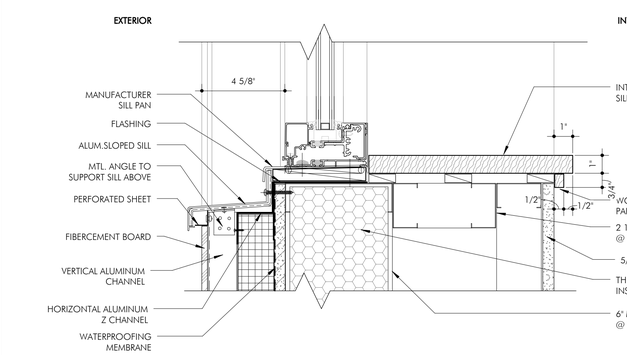
7 GYM WINDOW DETAIL — SCALE 3" = 1'-0"





4 TYPICAL WINDOW HEAD & SILL DETAILS — SCALE 3" = 1'-0"





1 WINDOW HEAD & SILL DETAIL @ FURRED OUT WALL — SCALE 3" = 1'-0"

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DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
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2	10/18/2013	OWNER	OWNER REVIEW
1	10/16/2013	DOB	ZONING AND EGRESS REVIEW

NORTH

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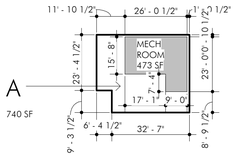
NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

556 COLUMBIA STREET
BROOKLYN, NY 11231

WINDOW DETAILS

SEAL & SIGNATURE

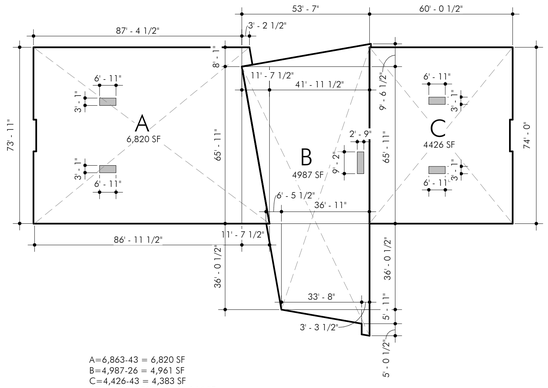
DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	TE
CHECKED BY:	SVG
DRAWING NO:	G-108.00
CADD FILE NO: J:\Proj2013\607 BASIS	9 of 272



A=1,213-473 = 740 SF
ROOF PENTHOUSE TOTAL AREA= 740 SF

ROOF	GROSS AREA	CHASE / MECH AREA	BUILDING AREA
A	1,213 SF	473 SF	740 SF
TOTAL			740 SF

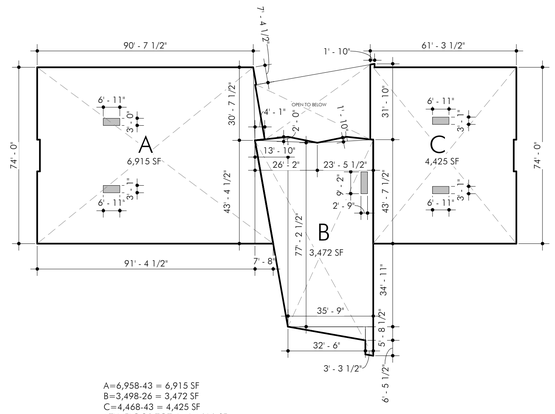
7 ROOF AREA PLAN SCALE 1" = 30'-0"



A=6,863-43 = 6,820 SF
B=4,987-26 = 4,961 SF
C=4,426-43 = 4,383 SF
5TH. FLOOR TOTAL= 16,164 SF

LEVEL 5	GROSS AREA	CHASE / MECH AREA	BUILDING AREA
A	6,863 SF	43 SF	6,820 SF
B	4,987 SF	26 SF	4,961 SF
C	4,426 SF	43 SF	4,383 SF
TOTAL			16,164 SF

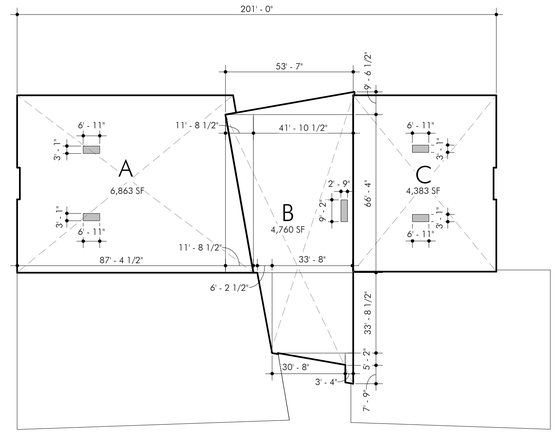
6 LEVEL 5 AREA PLAN SCALE 1" = 30'-0"



A=6,958-43 = 6,915 SF
B=3,498-26 = 3,472 SF
C=4,468-43 = 4,425 SF
4TH. FLOOR TOTAL=14,812 SF

LEVEL 4	GROSS AREA	CHASE / MECH AREA	BUILDING AREA
A	6,958 SF	43 SF	6,915 SF
B	3,498 SF	26 SF	3,472 SF
C	4,468 SF	43 SF	4,425 SF
TOTAL			14,812 SF

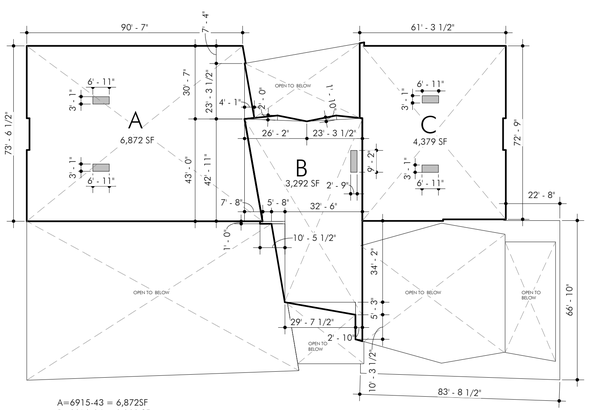
5 LEVEL 4 AREA PLAN SCALE 1" = 30'-0"



A=6,906-43 = 6,863 SF
B=4,786-26 = 4,760 SF
C=4,426-43 = 4,383 SF
3RD FLOOR TOTAL= 16,006 SF

LEVEL 3	GROSS AREA	CHASE / MECH AREA	BUILDING AREA
A	6,906 SF	43 SF	6,863 SF
B	4,786 SF	26 SF	4,760 SF
C	4,426 SF	43 SF	4,383 SF
TOTAL			16,006 SF

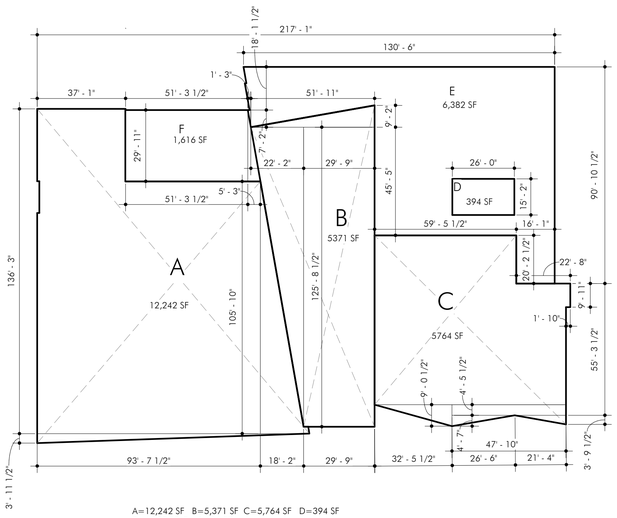
4 LEVEL 3 AREA PLAN SCALE 1" = 30'-0"



A=6915-43 = 6,872SF
B=3318-26 = 3,292 SF
C=4422-43 = 4,379 SF
2ND FLOOR TOTAL= 14,543 SF

LEVEL 2	GROSS AREA	CHASE / MECH AREA	BUILDING AREA
A	6,915 SF	43 SF	6,872 SF
B	3,318 SF	26 SF	3,292 SF
C	4,422 SF	43 SF	4,379 SF
TOTAL			14,543 SF

3 LEVEL 2 FLOOR PLAN SCALE 1" = 30'-0"

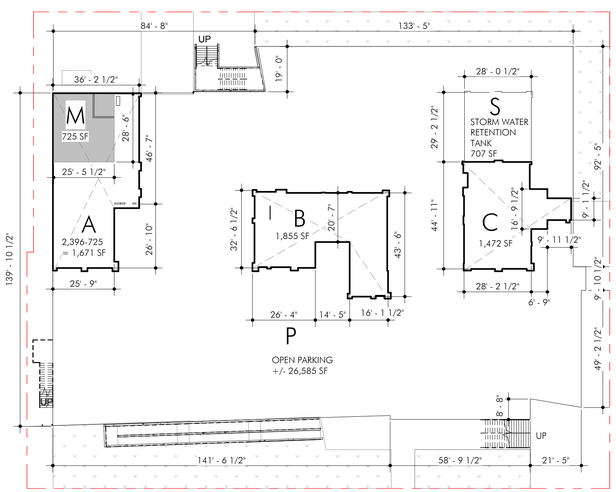


A=12,242 SF B=5,371 SF C=5,764 SF D=394 SF
E=6,382 SF F= 1,616 SF
1ST FLOOR TOTAL=31,369 SF

LEVEL 1	GROSS AREA	CHASE / MECH AREA	BUILDING AREA
A	12,242 SF	00 SF	12,242 SF
B	5,371 SF	00 SF	5,371 SF
C	5,764 SF	00 SF	5,764 SF
D	394 SF	00 SF	394 SF
E	6,382 SF	00 SF	6,382 SF
F	1,616 SF	00 SF	1,616 SF
TOTAL			31,369 SF

2 LEVEL 1 FLOOR PLAN SCALE 1" = 30'-0"

LEGEND
CHASE / MECH AREA



A=1,671 SF B=1,855 SF C=1,472 SF
BUILDING TOTAL = 4,776 SF

P = OPEN PARKING = 26,585
S = STORM WATER RETENTION TANK = 707 SF

GROUND FLOOR	GROSS AREA	CHASE / MECH AREA	BUILDING AREA
A	2,396 SF	725SF	1,671 SF
B	1,855 SF	00 SF	1,855 SF
C	1,472 SF	00 SF	1,472 SF
S	707 SF	707 SF	-
P	26,807 SF	00 SF	-
TOTAL			4,998 SF

1 GROUND LEVEL PLAN SCALE 1" = 30'-0"

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DOB BSCAN

ISS/REV	DATE	DEPARTMENT OF BUILDING ISSUED TO	DESCRIPTION
15	05/22/2014		ISSUED FOR PERMIT

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NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

556 COLUMBIA STREET
BROOKLYN, NY 11231

AREA PLANS

SEAL & SIGNATURE

DATE: 04/11/2014
PROJECT NO.: 13-607
DRAWN BY: S.P
CHECKED BY: S.G
DRAWING NO:
G-109.00
CADD FILE NO: J:\Pro2013\607 BASIS

1 GROUND LEVEL EGRESS PLAN

SCALE 3/32" = 1'-0"

LEGENDS

- 1hr FIRE RATED PARTITION
- 2hr FIRE RATED PARTITION
- DEAD-END CORRIDOR
- COMMON PATH OF EGRESS
- LONGEST PATH OF EXIT ACCESS TRAVEL
- OCCUPANT LOAD, ORIGINATED ON REGULAR SCHOOL DAY
- OCCUPANT LOAD, FORWARD
- OCCUPANT LOAD, CAPACITY
- OCCUPANT LOAD, ORIGINATED ON EVENT DAY (NO CLASSES IN SESSION)
- OCCUPANT LOAD, FORWARD ON EVENT DAY (NO CLASSES IN SESSION)

GROUND LEVEL EGRESS CALCULATIONS			
CODE REF. NYCBC 1004.1.2	OCCUPANT LOAD		(AS PER CODE) 11 OCCUPANTS - PARKING, LOBBY, STORAGE, MECHANICAL ROOMS
NYCBC 1005.1	DOORS		
		REQUIRED:	0.2 INCHES x OCCUPANTS = 0.2 x 9 = 3 INCHES
		PROPOSED:	DOOR # 015 = 72 INCHES
			DOOR #013 = 72 INCHES
			DOOR # 016 = 72 INCHES
		TOTAL PROPOSED:	216 INCHES
NYCBC 1005.1	STAIRWAYS, EGRESS COMPONENTS		
		REQUIRED:	NOT AT GRADE STREET LEVEL
		PROPOSED:	N/A

MIN. REQUIRED NO. OF EXITS:			
NYCBC 1018.1	OCCUPANT LOAD	MIN. NO. OF EXISTS REQUIRED	PROPOSED NO. OF EXISTS
	11 OCCUPANTS	1	3

EXIT ACCESS TRAVEL DISTANCE WITH SPRINKLR SYSTEM: NYCBC:1015.1		
OCCUPANCY	MAX. ALLOWABLE TRAVEL DISTANCE	PROPOSED MAX. TRAVEL DISTANCE
E	200 FEET	162 FEET

INTERIOR CORRIDOR FIRE RESISTANCE RATING: NYCBC : 1016.1.1		
OCCUPANCY	REQ'D FIRE RESISTANCE RATING	PROPOSED FIRE RESISTANCE RATING
E (WITH>30 OCC)	0 HR.	0 HR.

DEAD ENDS : NYCBC : 1016.3

DEAD END CORRIDOR SHALL BE NO MORE THAN 20 FEET IN LENGTH.
EXCEPTION: DEAD-END LENGTH NOT EXCEDDING 2.5 TIMES THE LEAST WIDTH OF DEAD-END CORRIDOR.

TABLE 1004.1.2 - PARKING LEVEL OCCUPANCY

RM. #	NAME	AREA	Occupancy Group	S.F./ OCC	Occupancy
000	OPEN PARKING	Not Enclosed	-		-
001	ELEV. LOBBY	123 SF	-		-
002	STAIR A	220 SF	-		-
003	STAIR B	192 SF	-		-
004	STAIR C	416 SF	-		-
006	SECURITY	607 SF	B	100	7
007	SES/ UTILITY	701 SF	F-2	300	3
008	STORAGE	152 SF	S-2	300	2
009	MAINT. STOR.	44 SF	-		-
010	STORAGE	696 SF	F-2	300	2
012	HALL	498 SF	-		-
014	STORAGE	400 SF	F-2	300	2
018	CORRIDOR	97 SF	-		-
			TOTAL		16

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DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE I
6	12/13/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE II
5	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR BIDDING
3	10/18/2013	OWNER	ISSUED FOR PERMIT
2	10/16/2013	DOB	OWNER REVIEW
1			ZONING AND EGRESS REVIEW

NORTH

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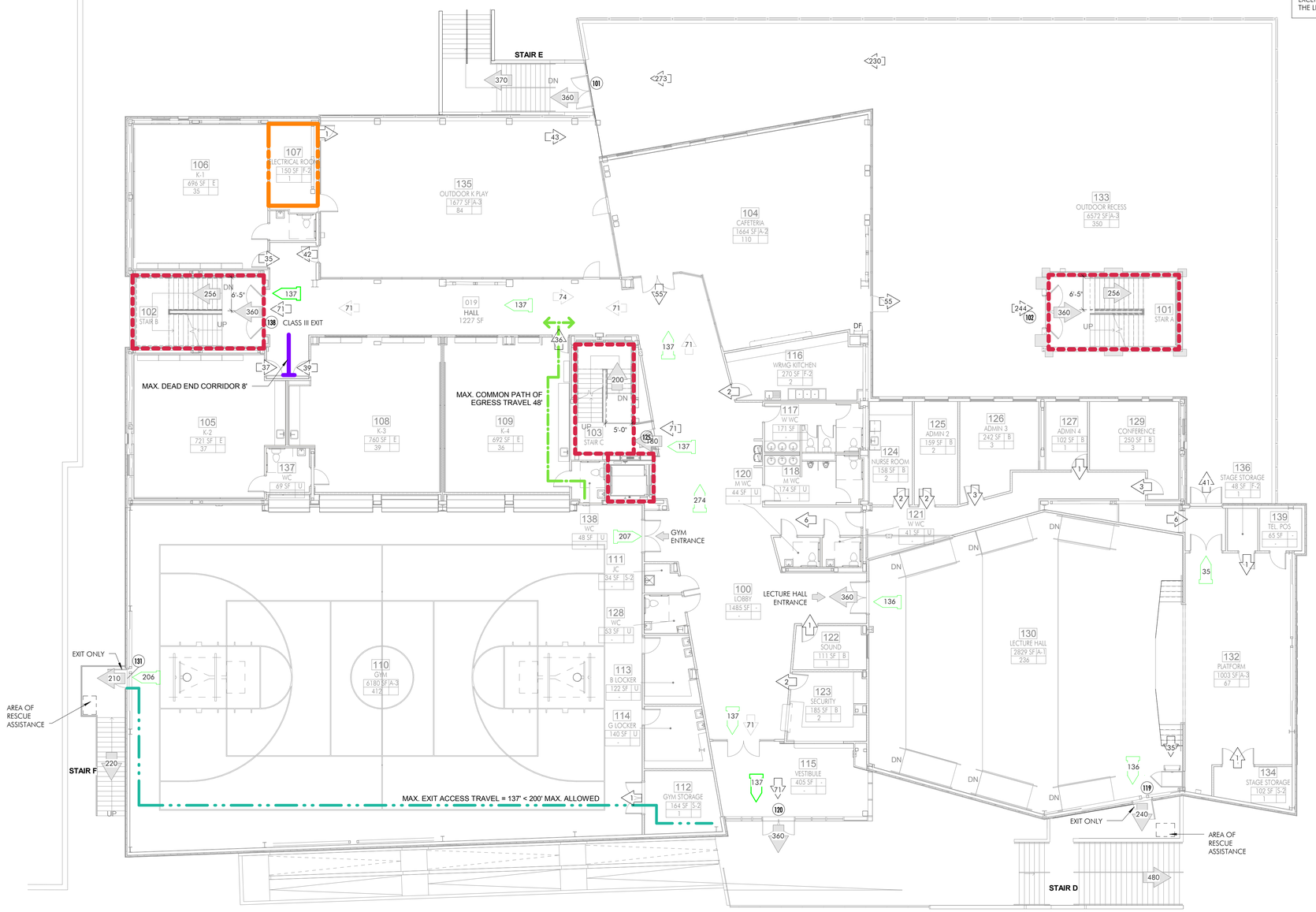
556 COLUMBIA STREET
BROOKLYN, NY 11231

GROUND LEVEL EGRESS PLAN

SEAL & SIGNATURE

DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	BT
CHECKED BY:	RS
DRAWING NO:	G-110.00
CADD FILE NO: J:\Proj2013\607 BASIS	11 of 272



INTERIOR CORRIDOR FIRE RESISTANCE RATING: NYCBC : 1016.1.1		
OCCUPANCY	REQ'D FIRE RESISTANCE RATING	PROPOSED FIRE RESISTANCE RATING
E (WITH:>30 OCC)	0 HR.	0 HR.
DEAD ENDS : NYCBC : 1016.3		
DEAD END CORRIDOR SHALL BE NO MORE THAN 20 FEET IN LENGTH. EXCEPTION: DEAD-END LENGTH NOT EXCEDDING 2.5 TIMES THE LEAST WIDTH OF DEAD-END CORRIDOR.		

LEGENDS

- 1hr FIRE RATED PARTITION
- 2hr FIRE RATED PARTITION
- DEAD-END CORRIDOR
- COMMON PATH OF EGRESS
- LONGEST PATH OF EXIT ACCESS TRAVEL
- OCCUPANT LOAD, ORIGINATED ON REGULAR SCHOOL DAY
- OCCUPANT LOAD, FORWARD
- OCCUPANT LOAD, CAPACITY
- OCCUPANT LOAD, ORIGINATED ON EVENT DAY (NO CLASSES IN SESSION)
- OCCUPANT LOAD, FORWARD ON EVENT DAY (NO CLASSES IN SESSION)

LEVEL 1 - EGRESS CALCULATIONS

CODE REF.			(AS PER CODE)
NYCBC 1004.1.2	OCCUPANT LOAD		992 OCCUPANTS
NYCBC 1005.1	DOORS		
		REQUIRED:	0.2 INCHES x OCCUPANTS = 0.2 x 992 = 199 INCHES
		PROPOSED:	DOOR # 101 = 72 INCHES
			DOOR # 102 = 72 INCHES
			DOOR #120 = 72 INCHES
			DOOR #125 = 36 INCHES
			DOOR #119 = 48 INCHES
			DOOR #131 = 42 INCHES
		TOTAL PROPOSED:	(6) DOORS = 342 INCHES
NYCBC 1005.1	STAIRWAYS, EGRESS COMPONENTS		
		REQUIRED:	0.3 INCHES x OCCUPANTS = 0.3 x 992 = 298 INCHES
		PROPOSED:	STAIRS A = 77 INCHES
			STAIRS B = 77 INCHES
			STAIRS C = 60 INCHES
			STAIRS D = 144 INCHES
			STAIRS E = 111 INCHES
			STAIRS F = 66 INCHES
		TOTAL PROPOSED:	(5) STAIRS = 535 INCHES

MIN. REQUIRED NO. OF EXITS:

NYCBC 1018.1	OCCUPANT LOAD	MIN. NO. OF EXISTS REQUIRED	PROPOSED NO. OF EXISTS
	1,160 OCCUPANTS	4	6
NYCBC 1018.2	BUILDING WITH 1 EXIT:	N/A	

EXIT ACCESS TRAVEL DISTANCE WITH SPRINKLR SYSTEM: NYCBC:1015.1

OCCUPANCY	MAX. ALLOWABLE TRAVEL DISTANCE	PROPOSED MAX. TRAVEL DISTANCE
E	200 FEET	131 FEET

TABLE 1004.1.2 - 1ST FLOOR OCCUPANCY

RM. #	NAME	AREA	Occupancy Group	S.F. / OCC	Occupancy
100	LOBBY	1485 SF	-		-
101	STAIR A	330 SF	-		-
102	STAIR B	322 SF	-		-
103	STAIR C	239 SF	-		-
104	CAFETERIA	1664 SF	A-2	15	110
105	K-2	721 SF	E	20	37
106	K-1	696 SF	E	20	35
107	ELECTRICAL ROOM	150 SF	F-2	300	1
108	K-3	760 SF	E	20	39
109	K-4	692 SF	E	20	36
110	GYM	6180 SF	A-3	15	412
111	JC	34 SF	S-2		-
112	GYM STORAGE	164 SF	S-2	300	1
113	B LOCKER	122 SF	U		-
114	G LOCKER	140 SF	U		-
115	VESTIBULE	405 SF	-		-
116	WRMG KITCHEN	270 SF	F-2	200	2
117	W WC	171 SF	U		-
118	M WC	174 SF	U		-
119	ADMIN CORRIDOR				
120	M WC	44 SF	U		-
121	W WC	41 SF	U		-
122	SOUND	111 SF	B	300	1
123	SECURITY	185 SF	B	100	2
124	NURSE ROOM	158 SF	B	100	2
125	ADMIN 2	159 SF	B	100	2
126	ADMIN 3	242 SF	B	100	3
127	ADMIN 4	102 SF	B	100	1
128	WC	53 SF	U		-
129	CONFERENCE	250 SF	B	100	3
130	LECTURE HALL	2829 SF	A-1	12**	236
131	WC	46 SF	U		-
132	PLATFORM	1003 SF	A-3	15	67
133	OUTDOOR RECESS*	6572 SF	A-3	15	(350)*
134	STAGE STORAGE	102 SF	S-2	300	1
135	OUTDOOR K PLAY*	1677 SF	A-3	20	(84)*
136	STAGE STORAGE	48 SF	F-2	300	1
137	WC	69 SF	U		-
138	WC	48 SF	U		-
139	TEL. POS	65 SF	-		-
	DESIGNED OCCUPANT LOAD				992

NOTES:

* SIMULTANEOUS USE OCCUPANCY OF "OUTDOOR RECESS" & "OUTDOOR K PLAY" NOT INCLUDED IN TOTAL DESIGNED OCCUPANTS LOAD FOR THIS FLOOR.

** MAX ALLOW/PERSON OF LECTURE HALL ASSEMBLY=20 AS PER TABLE 1004.1.2

EGRESS SCENARIO 1:
1st FLOOR EGRESS/OCCUPANCY WHEN CLASSROOMS / SCHOOL IN SESSION
EGRESS THRU MAIN ENTRANCE LOBBY/STAIR "D" AND STAIR "B"

ROOM # AND NAME	NO. of OCCUPANTS
104 CAFETERIA (Proposed two means of egress)	110/2 = 55
105 K-2	37
106 K-1	35
108 K-3	39
109 K-4	36
116 WRMG KITCHEN	2
124 - 129 OFFICES	6
122 - 122 RECEPTION / SOUND	3
TOTAL	213

OCCUPANTS CAN EGRESS THRU DOOR 120 (MAIN ENTRANCE)= 1/3 OF 213 OCC = 71 OCC. (MAX. CAPACITY PROPOSE = 360 OCC.)

OCCUPANTS CAN EGRESS THRU DOOR 125 (STAIR "C") = 1/3 OF 213 OCC = 71 OCC. (MAX. CAPACITY PROPOSED = 180 OCC.)

OCCUPANTS CAN EGRESS THRU DOOR 128 (STAIR "B") = 1/3 OF 213 OCC.= 71 OCC. (MAX. CAPACITY PROPOSED = 256 OCC.)

EGRESS SCENARIO 2:
1st FLOOR OCCUPANTS ORIGINATED ON EVENT DAY (NO CLASSES IN SESSION)
EGRESS THRU MAIN ENTRANCE LOBBY/ STAIR "D" AND STAIR "B"

ROOM # AND NAME	NO. of OCCUPANTS
104 CAFETERIA (Proposed Two means of egress)	110 /2 = 55
130 THEATER (Proposed Two means of egress)	236+35=271/2= 136
110 GYM / STORAGE (Propose Two means of egress)	413/2 = 207
116 WRMG KITCHEN	2
124 - 129 OFFICES	6
122 - 122 RECEPTION / SOUND	3
TOTAL	409

OCCUPANTS CAN EGRESS THRU DOOR 120 (MAIN ENTRANCE)= 1/3 OF 409 = 137 OCC. (MAX. CAPACITY PROPOSED = 360 OCC.)

OCCUPANTS CAN EGRESS THRU DOOR 125 (STAIR "C") = 1/3 OF 409 = 137 OCC. (MAX. CAPACITY PROPOSED = 200 OCC.)

OCCUPANTS CAN EGRESS THRU DOOR 128 (STAIR "B") = 1/3 OF 409 = 137 OCC. (MAX. CAPACITY PROPOSED = 256 OCC.)

EGRESS SCENARIO 3:
1st FLOOR OUTDOOR RECESS AND OUTDOOR PLAY
EGRESS THRU STAIR "A" AND STAIR "E"

ROOM # AND NAME	NO. of OCCUPANTS
133 OUTDOOR RECESS	350
135 OUTDOOR PLAY	84
104 CAFETERIA (Proposed Two means of egress)	110 /2 = 55
TOTAL	414

OCCUPANTS CAN EGRESS THRU DOOR 102 (STAIR "A")= 50% OF 414 OCC. = 207 OCC. (MAX. CAPACITY PROPOSED = 256 OCC.)

OCCUPANTS CAN EGRESS THRU DOOR 101 (STAIR "E") = 50% OF 414 OCC. = 207 OCC. (MAX. CAPACITY PROPOSED = 360 OCC.)

REFER TO SCENARIO 1, 2, AND 3 FOR BREAKDOWN OF OCCUPANTS EGRESS.

1 LEVEL 1 FLOOR EGRESS PLAN

SCALE 3/32" = 1'-0"

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DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE I
6	12/13/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE II
5	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/01/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	10/18/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
2	10/16/2013	OWNER	OWNER REVIEW
1		DOB	ZONING AND EGRESS REVIEW

NORTH

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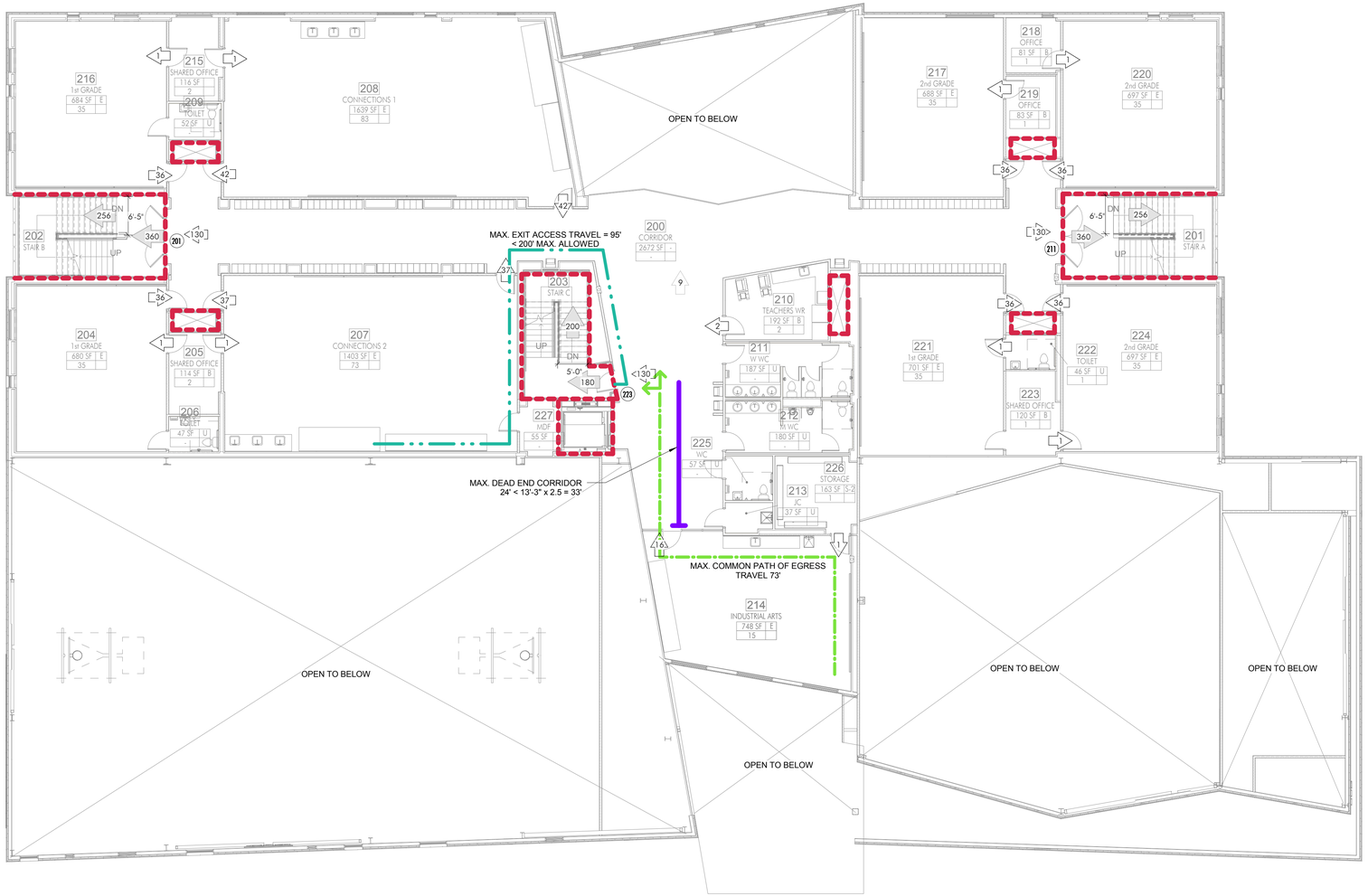
NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

556 COLUMBIA STREET
BROOKLYN, NY 11231

LEVEL 1 EGRESS PLAN

SEAL & SIGNATURE

DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	BT
CHECKED BY:	RS
DRAWING NO:	G-111.00
CADD FILE NO: J:\Pfa\2013\607 BASIS	12 of 272



LEGENDS

- 1hr FIRE RATED PARTITION
- 2hr FIRE RATED PARTITION
- DEAD-END CORRIDOR
- COMMON PATH OF EGRESS
- LONGEST PATH OF EXIT ACCESS TRAVEL
- OCCUPANT LOAD, ORIGINATED ON REGULAR SCHOOL DAY
- OCCUPANT LOAD, FORWARD
- OCCUPANT LOAD, CAPACITY
- OCCUPANT LOAD, ORIGINATED ON EVENT DAY (NO CLASSES IN SESSION)
- OCCUPANT LOAD, FORWARD ON EVENT DAY (NO CLASSES IN SESSION)

2nd FLOOR EGRESS CALCULATIONS			
NYCBC 1004.1.2	OCCUPANT LOAD		(AS PER CODE) 389 OCCUPANTS
NYCBC 1005.1	DOORS		
		REQUIRED:	0.2 INCHES x OCCUPANTS = 0.2 x 389 = **78 INCHES**
		PROPOSED:	DOOR # 211 = 72 INCHES
			DOOR # 201 = 72 INCHES
			DOOR # 223 = 36 INCHES
		TOTAL PROPOSED:	**180 INCHES**
NYCBC 1005.1	STAIRWAYS, EGRESS COMPONENTS		
		REQUIRED:	0.3 INCHES x OCCUPANTS = 0.3 x 389 = **117 INCHES**
		PROPOSED:	STAIRS "A" = 76" EACH
			STAIRS "B" = 76" EACH
			STAIRS "C" = 60"
		TOTAL PROPOSED:	**212 INCHES**

MIN. REQUIRED NO. OF EXITS:

NYCBC 1018.1	OCCUPANT LOAD	MIN. NO. OF EXISTS REQUIRED	PROPOSED NO. OF EXISTS
	389 OCCUPANTS	2	3

EXIT ACCESS TRAVEL DISTANCE WITH SPRINKLR SYSTEM: NYCBC:1015.1

OCCUPANCY	MAX. ALLOWABLE TRAVEL DISTANCE	PROPOSED MAX. TRAVEL DISTANCE
E	200 FEET	95 FEET

INTERIOR CORRIDOR FIRE RESISTANCE RATING:
NYCBC : 1016.1.1

OCCUPANCY	REQ'D FIRE RESISTANCE RATING	PROPOSED FIRE RESISTANCE RATING
E (WITH>30 OCC)	0 HR.	0 HR.

DEAD ENDS :
NYCBC : 1016.3

DEAD END CORRIDOR SHALL BE NO MORE THAN 20 FEET IN LENGTH.
EXCEPTION: DEAD-END LENGTH NOT EXCEDDING 2.5 TIMES THE LEAST WIDTH OF DEAD-END CORRIDOR.

TABLE 1004.1.2 - 2ND FLOOR OCCUPANCY

RM. #	NAME	AREA	Occupancy Group	S.F. / OCC	Occupancy
200	CORRIDOR	2672 SF	-		
201	STAIR A	336 SF	-		
202	STAIR B	329 SF	-		
203	STAIR C	240 SF	-		
204	1st GRADE	680 SF	E	20	35
205	SHARED OFFICE	114 SF	B	100	2
206	TOILET	47 SF	U		
207	CONNECTIONS 2	1403 SF	E	20	71
208	CONNECTIONS 1	1639 SF	E	20	82
209	TOILET	52 SF	U		
210	TEACHERS WR	192 SF	B	100	2
211	W WC	187 SF	U		
212	M WC	180 SF	U		
213	JC	37 SF	U		
214	INDUSTRIAL ARTS	748 SF	E	50	15
215	SHARED OFFICE	116 SF			
216	1st GRADE	684 SF	E	20	35
217	2nd GRADE	688 SF	E	20	35
218	OFFICE	81 SF	B	100	1
219	OFFICE	83 SF	B	100	1
220	2nd GRADE	697 SF	E	20	35
221	1st GRADE	701 SF	E	20	36
222	TOILET	46 SF	U		
223	SHARED OFFICE	120 SF	B	100	2
224	2nd GRADE	697 SF	E	20	35
225	WC	57 SF	U		
226	STORAGE	163 SF	S-2	300	1
227	MDF	55 SF	-		
		TOTAL	: 2ND FLOOR	388	

1 LEVEL 2 FLOOR EGRESSPLAN

SCALE 3/32" = 1'-0"

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DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-1
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
2	10/18/2013	OWNER	OWNER REVIEW
1	10/16/2013	DOB	ZONING AND EGRESS REVIEW

NORTH

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LEVEL 2 EGRESS PLAN

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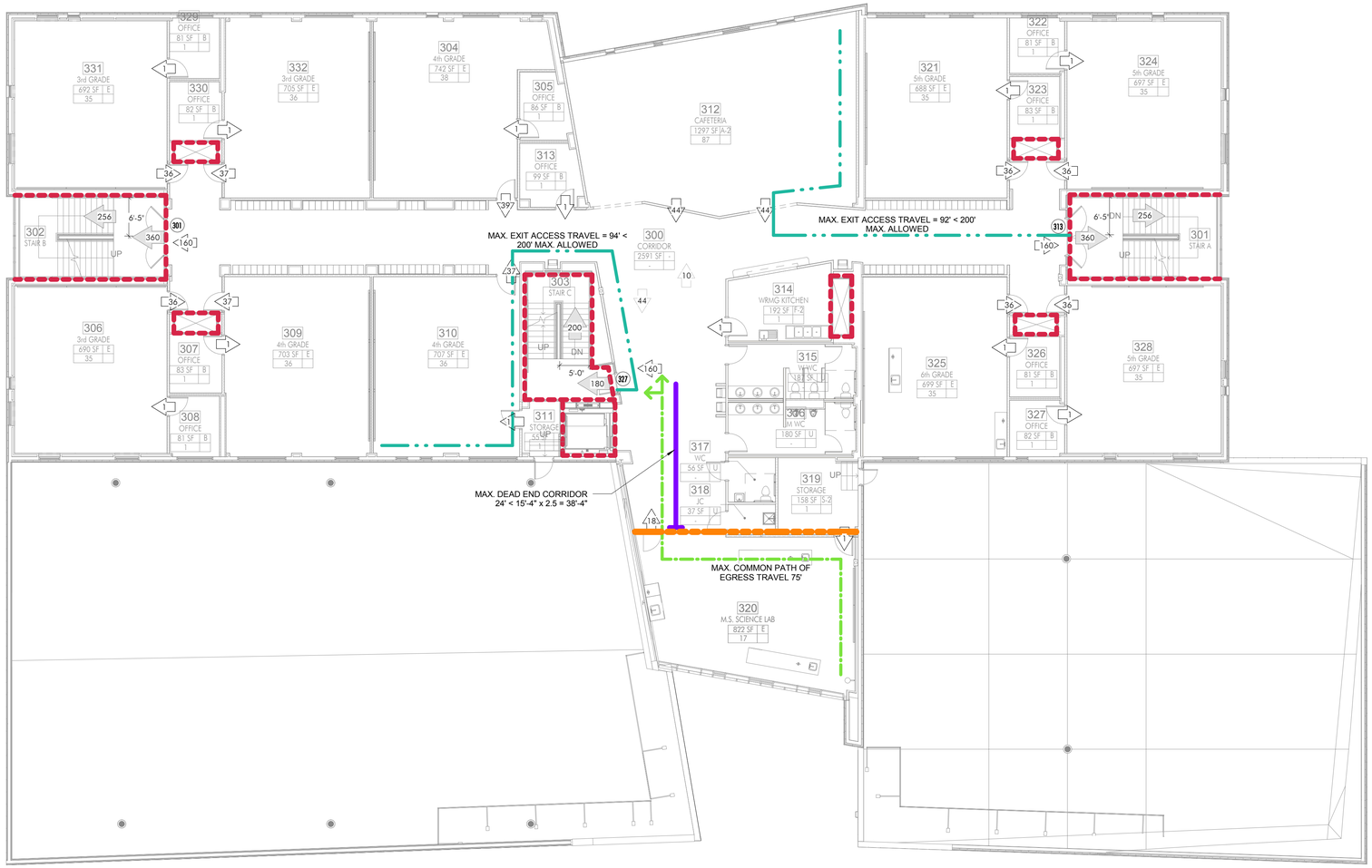
PROJECT NO.:	13-607
DRAWN BY:	BT
CHECKED BY:	RS
DRAWING NO:	G-112.00
CADD FILE NO: J:\Proj2013\607 BASIS	13 of 272



1 LEVEL 3 FLOOR PLAN

SCALE 3/32" = 1'-0"

LEGENDS

- 1hr FIRE RATED PARTITION
- 2hr FIRE RATED PARTITION
- DEAD-END CORRIDOR
- COMMON PATH OF EGRESS
- LONGEST PATH OF EXIT ACCESS TRAVEL
- OCCUPANT LOAD, ORIGINATED ON REGULAR SCHOOL DAY
- OCCUPANT LOAD, FORWARD
- OCCUPANT LOAD, CAPACITY
- OCCUPANT LOAD, ORIGINATED ON EVENT DAY (NO CLASSES IN SESSION)
- OCCUPANT LOAD, FORWARD ON EVENT DAY (NO CLASSES IN SESSION)

3rd FLOOR EGRESS CALCULATIONS			
NYCBC 1004.1.2	OCCUPANT LOAD	477 OCCUPANTS	(AS PER CODE)
NYCBC 1005.1	DOORS		
	REQUIRED:	0.2 INCHES x OCCUPANTS = 0.2 x 477 = **96 INCHES**	
	PROPOSED:	DOOR # 301 = **72 INCHES**	
		DOOR # 303 = **72 INCHES**	
		DOOR # 327 = **36 INCHES**	
	TOTAL PROPOSED:	(3) DOORS = **180 INCHES**	
NYCBC 1005.1	STAIRWAYS, EGRESS COMPONENTS		
	REQUIRED:	0.3 INCHES x OCCUPANTS = 0.3 x 477 = **144 INCHES**	
	PROPOSED:	STAIR 'A' = **77 INCHES**	
		STAIR 'B' = **77 INCHES**	
		STAIR 'C' = **60 INCHES**	
	TOTAL PROPOSED:	(3) STAIRS = **214 INCHES**	

MIN. REQUIRED NO. OF EXITS:

NYCBC 1018.1	OCCUPANT LOAD	MIN. NO. OF EXISTS REQUIRED	PROPOSED NO. OF EXISTS
	477 OCCUPANTS	2	3

EXIT ACCESS TRAVEL DISTANCE WITH SPRINKLR SYSTEM: NYCBC:1015.1

OCCUPANCY	MAX. ALLOWABLE TRAVEL DISTANCE	PROPOSED MAX. TRAVEL DISTANCE
E	200 FEET	94 FEET

INTERIOR CORRIDOR FIRE RESISTANCE RATING:
NYCBC : 1016.1.1

OCCUPANCY	REQ'D FIRE RESISTANCE RATING	PROPOSED FIRE RESISTANCE RATING
E (WITH>30 OCC)	0 HR.	0 HR.

DEAD ENDS :
NYCBC : 1016.3

DEAD END CORRIDOR SHALL BE NO MORE THAN 20 FEET IN LENGTH.
EXCEPTION: DEAD-END LENGTH NOT EXCEDDING 2.5 TIMES THE LEAST WIDTH OF DEAD-END CORRIDOR.

TABLE 1004.1.2 - 3RD FLOOR OCCUPANCY

Rm. #	NAME	AREA	Occupancy Group	S.F./OCC	Occupancy
300	CORRIDOR	2591 SF	-	0	
301	STAIR A	336 SF	-	0	
302	STAIR B	329 SF	-	0	
303	STAIR C	240 SF	-	0	
304	4th GRADE	742 SF	E	20	38
305	OFFICE	86 SF	B	100	1
306	3rd GRADE	690 SF	E	20	35
307	OFFICE	83 SF	B	100	1
308	OFFICE	81 SF	B	100	1
309	4th GRADE	703 SF	E	20	36
310	4th GRADE	707 SF	E	20	36
311	STORAGE	55 SF	B	100	1
312	CAFETERIA	1297 SF	A-2	15	87
313	OFFICE	99 SF	B	100	1
314	WRMG KITCHEN	192 SF	F-2	200	1
315	W WC	187 SF	U	0	
316	M WC	180 SF	U	0	
317	WC	56 SF	U	0	
318	JC	37 SF	U	0	
319	STORAGE	158 SF	S-2	300	1
320	M.S. SCIENCE LAB	822 SF	E	50	17
321	5th GRADE	688 SF	E	20	35
322	OFFICE	81 SF	B	100	1
323	OFFICE	83 SF	B	100	1
324	5th GRADE	697 SF	E	20	35
325	6th GRADE	699 SF	E	20	35
326	OFFICE	81 SF	B	100	1
327	OFFICE	82 SF	B	100	1
328	5th GRADE	697 SF	E	20	35
329	OFFICE	81 SF	B	100	1
330	OFFICE	82 SF	B	100	1
331	3rd GRADE	692 SF	E	20	35
332	3rd GRADE	705 SF	E	20	36
			TOTAL 3RD FLOOR :	477	

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DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
8	09/09/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE1
6	12/27/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
2	10/18/2013	OWNER	OWNER REVIEW
1	10/16/2013	DOB	ZONING AND EGRESS REVIEW

NORTH

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NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

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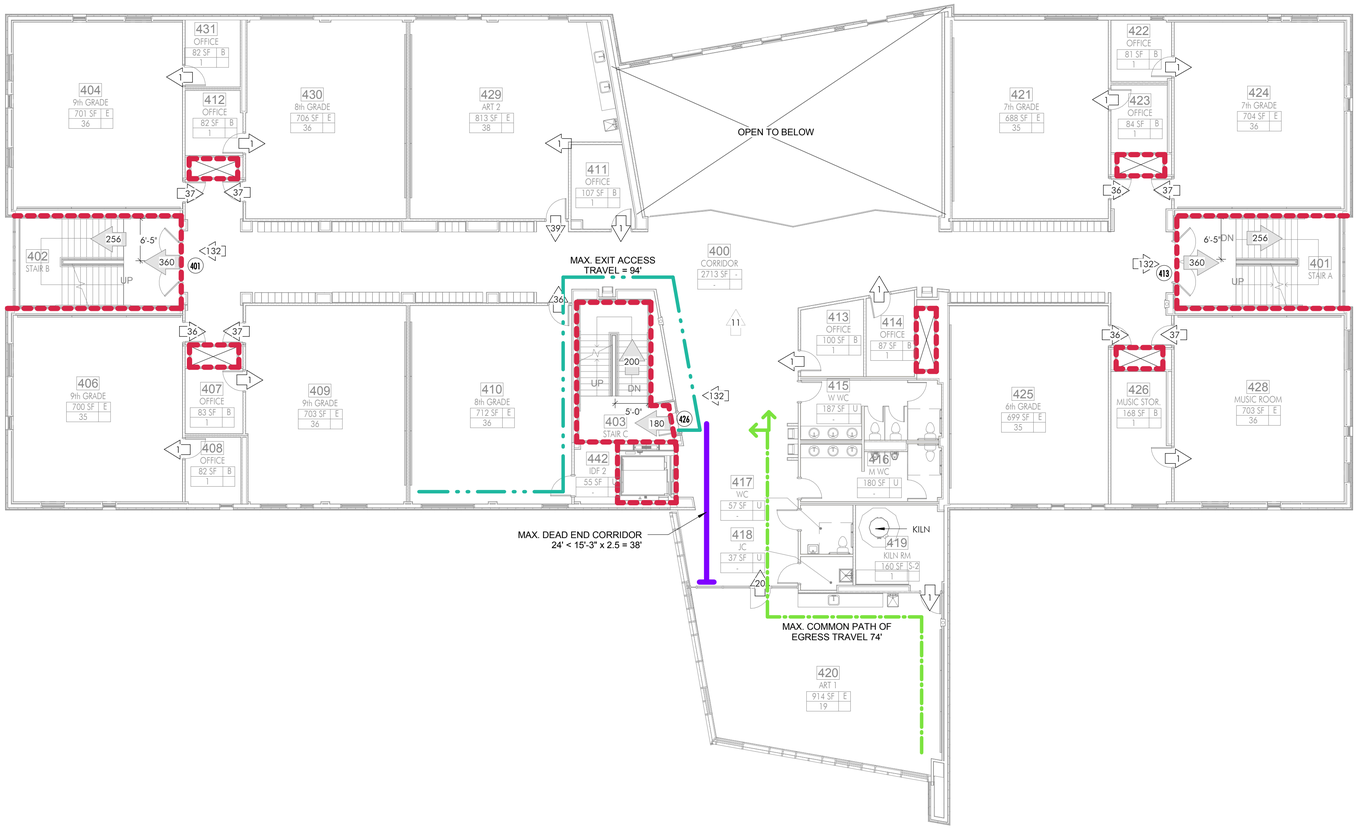
BROOKLYN, NY 11231

LEVEL 3 EGRESS PLAN

SEAL & SIGNATURE

DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	BT
CHECKED BY:	RS
DRAWING NO:	G-113.00
CADD FILE NO: J:\Proj2013\607 BASIS	



1 LEVEL 4 FLOOR EGRESS PLAN

SCALE 3/32" = 1'-0"

LEGENDS

- 1hr FIRE RATED PARTITION
- 2hr FIRE RATED PARTITION
- DEAD-END CORRIDOR
- COMMON PATH OF EGRESS
- LONGEST PATH OF EXIT ACCESS TRAVEL
- OCCUPANT LOAD, ORIGINATED ON REGULAR SCHOOL DAY
- OCCUPANT LOAD, FORWARD
- OCCUPANT LOAD, CAPACITY
- OCCUPANT LOAD, ORIGINATED ON EVENT DAY (NO CLASSES IN SESSION)
- OCCUPANT LOAD, FORWARD ON EVENT DAY (NO CLASSES IN SESSION)

4th FLOOR EGRESS CALCULATIONS			
NYCBC 1004.1.2	OCCUPANT LOAD	396 OCCUPANTS	(AS PER CODE)
NYCBC 1005.1	DOORS		
	REQUIRED:	0.2 INCHES x OCCUPANTS = 0.2 x 396 = **80 INCHES**	
	PROPOSED:	DOOR # 401 = 72 INCHES	
		DOOR # 413 = 72 INCHES	
		DOOR # 426 = 36 INCHES	
	TOTAL PROPOSED	180 INCHES	
NYCBC 1005.1	STAIRWAYS, EGRESS COMPONENTS		
	REQUIRED:	0.3 INCHES x OCCUPANTS = 0.3 x 396 = **119 INCHES**	
	PROPOSED:	STAIRS 'A' = 76' EACH	
		STAIRS 'B' = 76' EACH	
		STAIRS 'C' = 60'	
	TOTAL PROPOSED	212 INCHES	

MIN. REQUIRED NO. OF EXITS:

NYCBC 1018.1	OCCUPANT LOAD	MIN. NO. OF EXISTS REQUIRED	PROPOSED NO. OF EXISTS
	396 OCCUPANTS	2	3

EXIT ACCESS TRAVEL DISTANCE WITH SPRINKLR SYSTEM: NYCBC:1015.1

OCCUPANCY	MAX. ALLOWABLE TRAVEL DISTANCE	PROPOSED MAX. TRAVEL DISTANCE
E	200 FEET	45 FEET

INTERIOR CORRIDOR FIRE RESISTANCE RATING:
NYCBC : 1016.1.1

OCCUPANCY	REQ'D FIRE RESISTANCE RATING	PROPOSED FIRE RESISTANCE RATING
E (WITH>30 OCC)	0 HR.	0 HR.

DEAD ENDS :
NYCBC : 1016.3

DEAD END CORRIDOR SHALL BE NO MORE THAN 20 FEET IN LENGTH.
EXCEPTION: DEAD-END LENGTH NOT EXCEDDING 2.5 TIMES THE LEAST WIDTH OF DEAD-END CORRIDOR.

TABLE 1004.1.2 - 4TH FLOOR OCCUPANCY

RM. #	NAME	AREA	Occupancy Group	S.F./OCC	Occupancy
400	CORRIDOR	2713 SF	-		
401	STAIR A	336 SF	-		
402	STAIR B	329 SF	-		
403	STAIR C	240 SF	-		
404	9th GRADE	701 SF	E	20	36
406	9th GRADE	700 SF	E	20	35
407	OFFICE	83 SF	B	100	1
408	OFFICE	82 SF	B	100	1
409	9th GRADE	703 SF	E	20	36
410	8th GRADE	712 SF	E	20	36
411	OFFICE	107 SF	B	100	2
412	OFFICE	82 SF	B	100	1
413	OFFICE	100 SF	B	100	1
414	OFFICE	87 SF	B	100	1
415	W WC	187 SF	U		
416	M WC	180 SF	U		
417	WC	57 SF	U		
418	JC	37 SF	U		
419	KILN RM	160 SF	S-2	300	1
420	ART 1	914 SF	E	50	19
421	7th GRADE	688 SF	E	20	35
422	OFFICE	81 SF	B	100	1
423	OFFICE	84 SF	B	100	1
424	7th GRADE	704 SF	E	20	36
425	6th GRADE	699 SF	E	20	35
426	MUSIC STOR.	168 SF	B	100	2
427	OFFICE	Not Placed	B	100	
428	MUSIC ROOM	703 SF	E	20	36
429	ART 2	813 SF	E	20	41
430	8th GRADE	706 SF	E	20	36
431	OFFICE	82 SF	B	100	1
442	IDF 2	55 SF	U		
				TOTAL 4TH FLOOR :	396

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ALL THE PROJECT FLOOR ELEVATIONS HAVE BEEN REVISED TO REFLECT N.A.V.D. 1988 STANDARD.(1.46' ABOVE BROOKLYN TOPOGRAPHICAL BUREAU.)

DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	01/17/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE I
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE II
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
2	10/18/2013	OWNER	OWNER REVIEW
1	10/16/2013	DOB	ZONING AND EGRESS REVIEW

NORTH

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NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

556 COLUMBIA STREET
BROOKLYN, NY 11231

LEVEL 4 EGRESS PLAN

SEAL & SIGNATURE

DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	BT
CHECKED BY:	RS
DRAWING NO:	G-114.00
CADD FILE NO: J:\Proj2013\607 BASIS	15 of 272

LEGENDS

- 1hr FIRE RATED PARTITION
- 2hr FIRE RATED PARTITION
- DEAD-END CORRIDOR
- COMMON PATH OF EGRESS
- LONGEST PATH OF EXIT ACCESS TRAVEL
- OCCUPANT LOAD, ORIGINATED ON REGULAR SCHOOL DAY
- OCCUPANT LOAD, FORWARD
- OCCUPANT LOAD, CAPACITY
- OCCUPANT LOAD, ORIGINATED ON EVENT DAY (NO CLASSES IN SESSION)
- OCCUPANT LOAD, FORWARD ON EVENT DAY (NO CLASSES IN SESSION)

5th FLOOR EGRESS CALCULATIONS			
NYCBC 1004.1.2	OCCUPANT LOAD	464 OCCUPANTS	(AS PER CODE)
NYCBC 1005.1	DOORS		
	REQUIRED:	0.2 INCHES x OCCUPANTS = 0.2 x 464 = **93 INCHES**	
	PROPOSED:	DOOR # 501 = 72 INCHES	
		DOOR # 515 = 72 INCHES	
		DOOR # 530 = 36 INCHES	
	TOTAL PROPOSED:	180 INCHES	
NYCBC 1005.1	STAIRWAYS, EGRESS COMPONENTS		
	REQUIRED:	0.3 INCHES x OCCUPANTS = 0.3 x 464 = **140 INCHES**	
	PROPOSED:	STAIRS "A" = 76' EACH	
		STAIRS "B" = 76' EACH	
		STAIRS "C" = 60'	
	TOTAL PROPOSED:	212 INCHES	

MIN. REQUIRED NO. OF EXITS:

NYCBC 1018.1	OCCUPANT LOAD	MIN. NO. OF EXISTS REQUIRED	PROPOSED NO. OF EXISTS
	464 OCCUPANTS	2	3

EXIT ACCESS TRAVEL DISTANCE WITH SPRINKLR SYSTEM: NYCBC:1015.1

OCCUPANCY	MAX. ALLOWABLE TRAVEL DISTANCE	PROPOSED MAX. TRAVEL DISTANCE
E	200 FEET	119 FEET

INTERIOR CORRIDOR FIRE RESISTANCE RATING: NYCBC : 1016.1.1

OCCUPANCY	REQ'D FIRE RESISTANCE RATING	PROPOSED FIRE RESISTANCE RATING
E (WITH>30 OCC)	0 HR.	0 HR.

DEAD ENDS : NYCBC : 1016.3

DEAD END CORRIDOR SHALL BE NO MORE THAN 20 FEET IN LENGTH.
EXCEPTION: DEAD-END LENGTH NOT EXCEDDING 2.5 TIMES THE LEAST WIDTH OF DEAD-END CORRIDOR.

TABLE 1004.1.2 - 5TH FLOOR OCCUPANCY

RM. #	NAME	AREA	Occupancy Group	S.F./ OCC	Occupancy
500	CORRIDOR	2389 SF	-		
501	STAIR A	336 SF	-		
502	STAIR B	329 SF	-		
503	STAIR C	240 SF	-		
504	CHEM LAB 1	912 SF	E	20	46
505	CHEM LAB 3	920 SF	E	20	46
506	STORAGE	275 SF	S-2	300	1
507	OFFICE	92 SF	B	100	1
508	OFFICE	92 SF	B	100	1
509	BIO LAB 1	960 SF	E	20	48
510	CHEM LAB 2	953 SF	E	20	48
511	STORAGE	194 SF	S-2	300	1
512	PHYSICS LAB 1	699 SF	E	20	35
513	PHYSICS LAB 2	704 SF	E	20	36
514	JC	47 SF	U		
515	OFFICE	150 SF	B	100	2
516	W WC	130 SF	U		
517	CLOSET	Not Placed			
518	M WC	122 SF	U		
519	HIGH SCHOOL READING	1479 SF	E	20	74
520	PHYSICS LAB 3	682 SF	E	20	35
521	OFFICE	81 SF	B	100	1
522	STORAGE	83 SF	S-2	300	1
523	BIO LAB 2	703 SF	E	20	36
524	OFFICE	156 SF	B	100	2
525	BIO LAB 3	703 SF	E	20	36
526	OFF/ SEMINAR	285 SF	B	100	3
527	OFFICE	90 SF	B	100	1
528	BOOK STORAGE	306 SF	S-2	300	2
529	STORAGE	74 SF	S-2	300	1
530	OFFICE	90 SF	B	100	1
531	OFFICE	81 SF	B	100	1
532	OFFICE	82 SF	B	100	1
533	OFFICE	102 SF	B	100	2
534	OFFICE	56 SF	B	100	1
				TOTAL 5TH FLOOR :	466

1 LEVEL 5 FLOOR PLAN

SCALE 3/32" = 1'-0"

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DOB BSCAN

SS/REV	DATE	DESCRIPTION
15	05/22/2014	ISSUED FOR PERMIT
8	03/07/2014	CONSTRUCTION
7	12/27/2013	ADD ALTERNATE-1
6	12/13/2013	ISSUED FOR BIDDING
5	11/18/2013	ISSUED FOR BIDDING
4	11/01/2013	ISSUED FOR PERMIT
3	10/18/2013	OWNER REVIEW
2	10/16/2013	ZONING AND EGRESS REVIEW
1		

ISSUED TO: DEPARTMENT OF BUILDING; CLIENT AND CONTRACTOR; CLIENT AND CONTRACTOR; CLIENT AND CONTRACTOR; CLIENT AND CONTRACTOR; DEPARTMENT OF BUILDING; OWNER; DOB

NORTH

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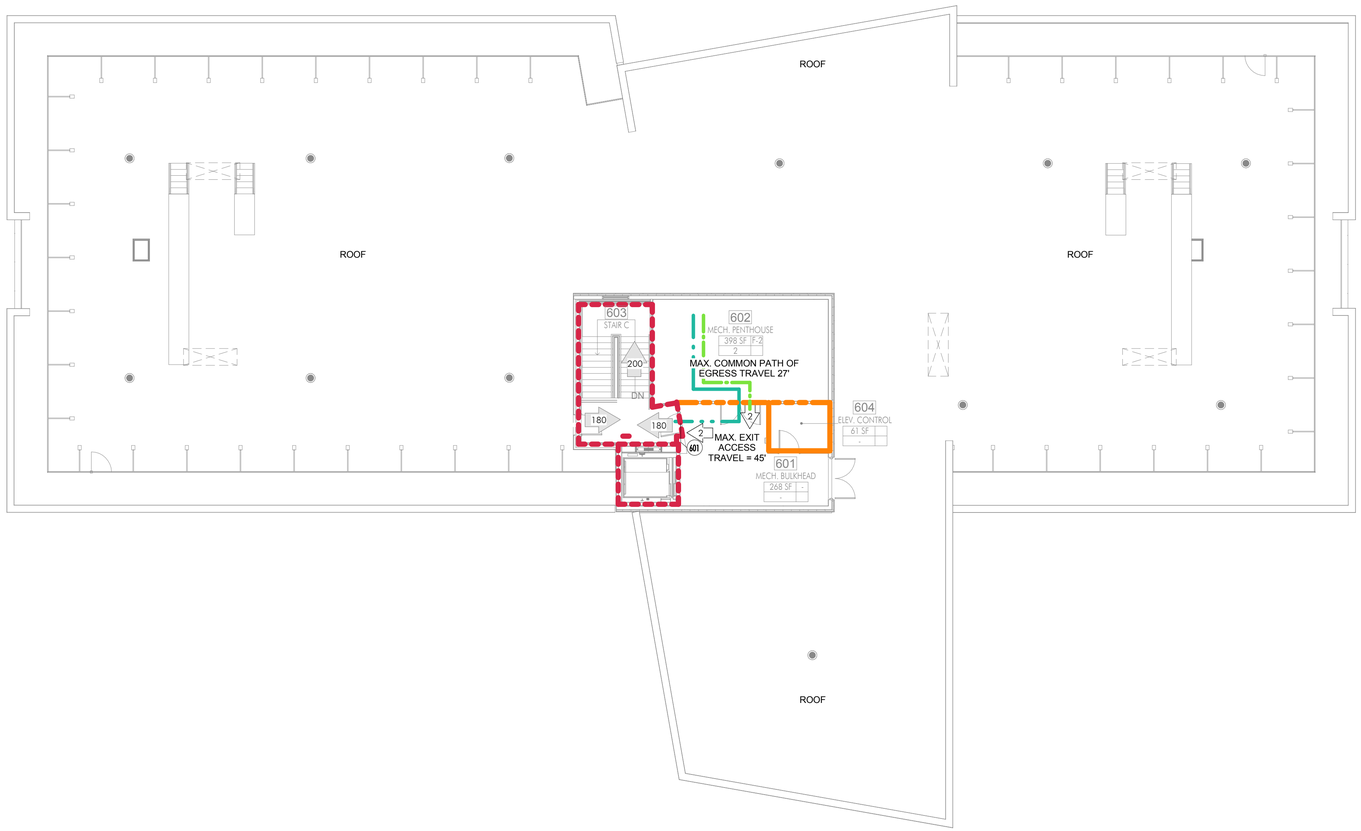
BROOKLYN, NY 11231

LEVEL 5 EGRESS PLAN

SEAL & SIGNATURE

DATE: 04/11/2014
PROJECT NO.: 13-607
DRAWN BY: BT
CHECKED BY: RS
DRAWING NO:
G-115.00

CADD FILE NO: J:\Proj2013\607 BASIS



1 EGRESS LEVEL 6 ROOF

SCALE 3/32" = 1'-0"

LEGENDS

- 1hr FIRE RATED PARTITION
- 2hr FIRE RATED PARTITION
- DEAD-END CORRIDOR
- COMMON PATH OF EGRESS
- LONGEST PATH OF EXIT ACCESS TRAVEL
- OCCUPANT LOAD, ORIGINATED ON REGULAR SCHOOL DAY
- OCCUPANT LOAD, FORWARD
- OCCUPANT LOAD, CAPACITY
- OCCUPANT LOAD, ORIGINATED ON EVENT DAY (NO CLASSES IN SESSION)
- OCCUPANT LOAD, FORWARD ON EVENT DAY (NO CLASSES IN SESSION)

ROOF LEVEL EGRESS CALCULATIONS			
CODE REF. NYCBC 1004.1.2	OCCUPANT LOAD	2 OCCUPANTS	(AS PER CODE)
NYCBC 1005.1	DOORS		
	REQUIRED:	0.2 INCHES x OCCUPANTS = 0.2 x 2 = **0.4 = 1 INCH**	
	PROPOSED:	DOOR # 601 = **36 INCHES**	
	TOTAL PROPOSED:	(1) DOOR = **36 INCHES**	
NYCBC 1005.1	STAIRWAYS, EGRESS COMPONENTS		
	REQUIRED:	0.3 INCHES x OCCUPANTS = 0.3 x 2= **0.6 = 1 INCH**	
	PROPOSED:	STAIRS C = **60 INCHES**	
	TOTAL PROPOSED:	(1) STAIR = **60 INCHES**	

INTERIOR CORRIDOR FIRE RESISTANCE RATING: NYCBC : 1016.1.1		
OCCUPANCY	REQ'D FIRE RESISTANCE RATING	PROPOSED FIRE RESISTANCE RATING
E (WITH>30 OCC)	0 HR.	0 HR.
DEAD ENDS : NYCBC : 1016.3		
DEAD END CORRIDOR SHALL BE NO MORE THAN 20 FEET IN LENGTH. EXCEPTION: DEAD-END LENGTH NOT EXCEDDING 2.5 TIMES THE LEAST WIDTH OF DEAD-END CORRIDOR.		

TABLE 1004.1.2 - ROOF OCCUPANCY

RM. #	NAME	AREA	Occupancy Group	S.F./ OCC	Occupancy
601	MECH. BULKHEAD	268 SF	-		
602	MECH. PENTHOUSE	398 SF	F-2	300	2
603	STAIR C	240 SF	-		
604	ELEV. CONTROL	61 SF			
TOTAL ROOF FLOOR :					2

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NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

556 COLUMBIA STREET
BROOKLYN, NY 11231

ROOF LEVEL EGRESS PLAN

SEAL & SIGNATURE

DATE: 04/11/2014
PROJECT NO.: 13-607
DRAWN BY: BT
CHECKED BY: RS
DRAWING NO:
G-116.00
CADD FILE NO: J:\Pro2013\607 BASIS

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 : BASIS INDEPENDENT SCHOOLS

Construction Site:
30 Bay Street
Brooklyn, NY 11231

Owner/Agent:
Red Hood Property Group
197 Columbia Street
Brooklyn, NY 11231
(718) 834-8675

Designer/Contractor:
Partners For Architecture
34 Union Street
Stamford, CT 06906
(203) 708-0047

Section 2: General Information

Building Location (for weather data):	**Kings, New York**
Climate Zone:	**4a**
Building Space Conditioning Type(s):	**Nonresidential**
Vertical Glazing / Wall Area Pct.:	**15%**

Activity Type(s)	Floor Area
School/University	16907

Section 3: Requirements Checklist

Envelope PASSES: Design 12% 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)
Roof 1: Insulation Entirely Above Deck	16097	---	37.3	0.026	0.048
Exterior Wall 1: Steel-Framed, 16" o.c.	8731	33.9	11.1	0.040	0.064
Window 1: Metal Frame Curtain Wall/Storefront:Triple Pane with Low-E, Reflective, SHGC 0.24	1088	---	---	0.290	0.500
Window 2: Metal Frame with Thermal Break:Triple Pane with Low-E, Reflective, SHGC 0.30	231	---	---	0.290	0.550
Exterior Wall 2: Steel-Framed, 16" o.c.	3549	33.9	11.1	0.040	0.064
Window 3: Metal Frame Curtain Wall/Storefront:Triple Pane with Low-E, Reflective, SHGC 0.24	534	---	---	0.290	0.500
Window 4: Metal Frame with Thermal Break:Triple Pane with Low-E, Reflective, SHGC 0.29	192	---	---	0.280	0.550
Exterior Wall 3: Steel-Framed, 16" o.c.	9306	33.9	11.1	0.040	0.064
Window 5: Metal Frame with Thermal Break:Triple Pane with Low-E, Reflective, SHGC 0.30	744	---	---	0.290	0.550
Exterior Wall 4: Steel-Framed, 16" o.c.	2079	33.9	11.1	0.040	0.064
Window 6: Metal Frame Curtain Wall/Storefront:Triple Pane with Low-E, Reflective, SHGC 0.24	544	---	---	0.290	0.500
Window 7: Metal Frame with Thermal Break:Triple Pane with Low-E, Reflective, SHGC 0.30	152	---	---	0.290	0.550
Door 1: Glass (> 50% glazing):Metal Frame, Entrance Door, SHGC 0.30	42	---	---	0.210	0.850

(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

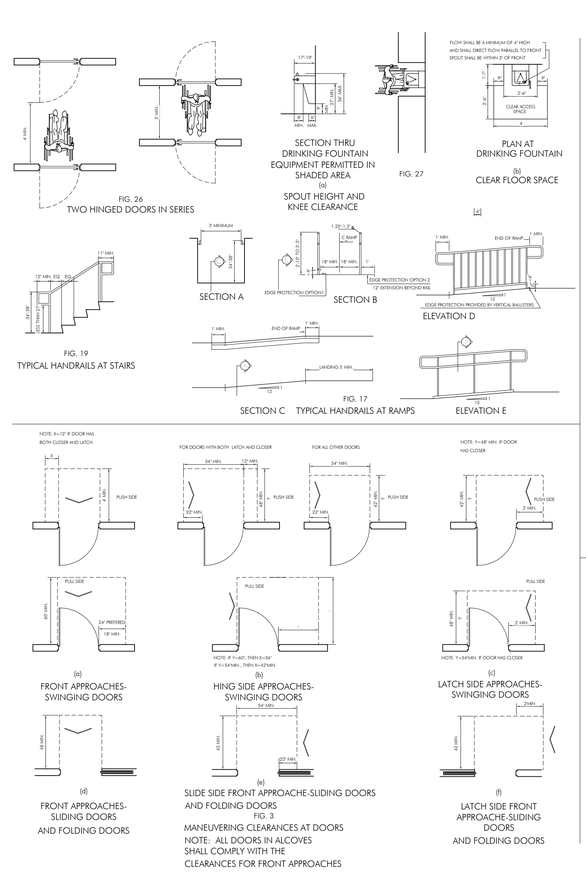
Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed envelope system has been designed to meet the 2010 New York Energy Conservation Construction Code requirements in COM*check* Version 3.9.2 and to comply with the mandatory requirements in the Requirements Checklist.

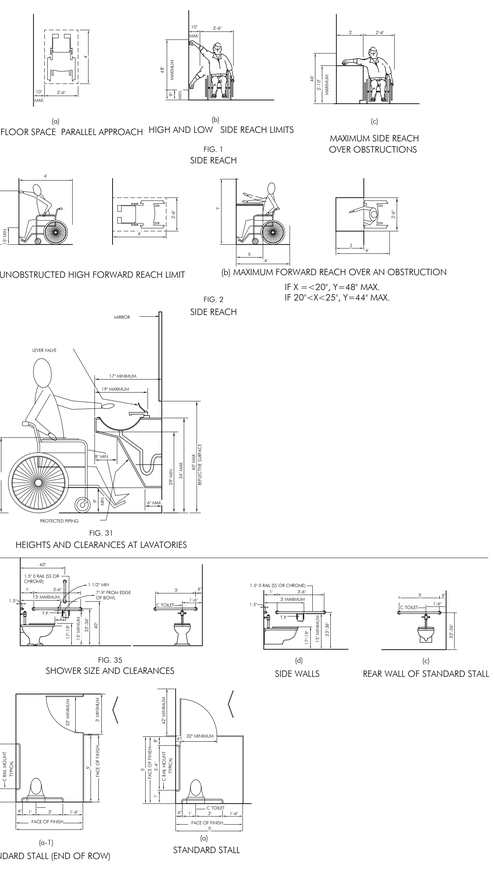
When a Registered Design Professional has stamped and signed this page, it [illegible] subject to the best of his/her knowledge, belief, and professional judgment, such plans or specifications are in compliance with [illegible]

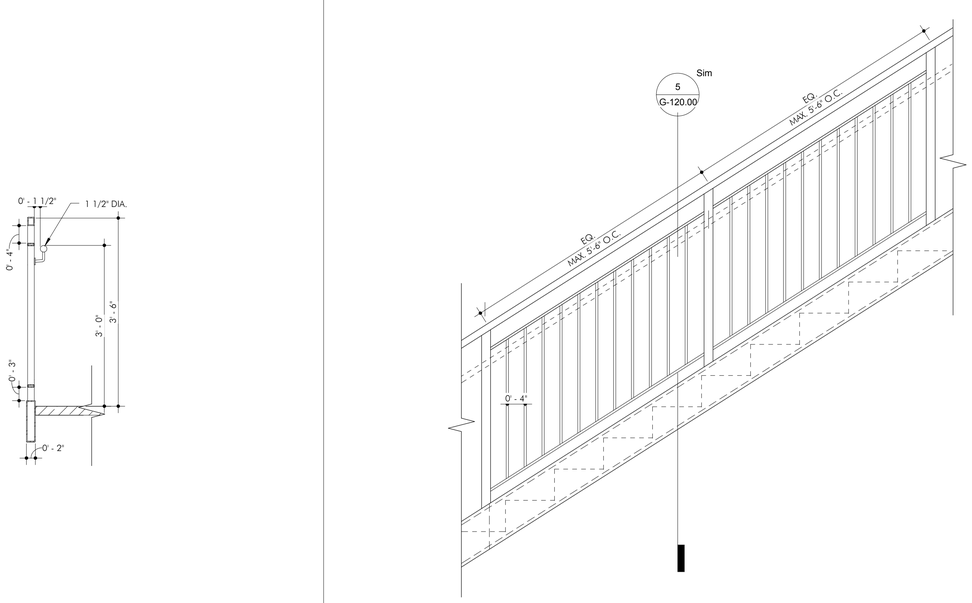
STEPHEN GRASSO - ARCHITECT — Name - Title
Signature
1/3/2014 — Date

REGISTERED ARCHITECT STEPHEN VINCENT GRASSO 027824 STATE OF NEW YORK

2 ENVELOPE COMPLIANCE CERTIFICATE — N.T.S.







5 STAIR RAILING TYP. DETAILS — 3/4" = 1'- 0"

1 ACCESSIBITILY DETAILS — N.T.S.

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DOB BSCAN

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11	04/11/2014	CLIENT AND CONTRACTOR	BULLETIN 3
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7	01/17/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE-II
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4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT

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TYPICAL DETAILS

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PROJECT NO.:	13-607
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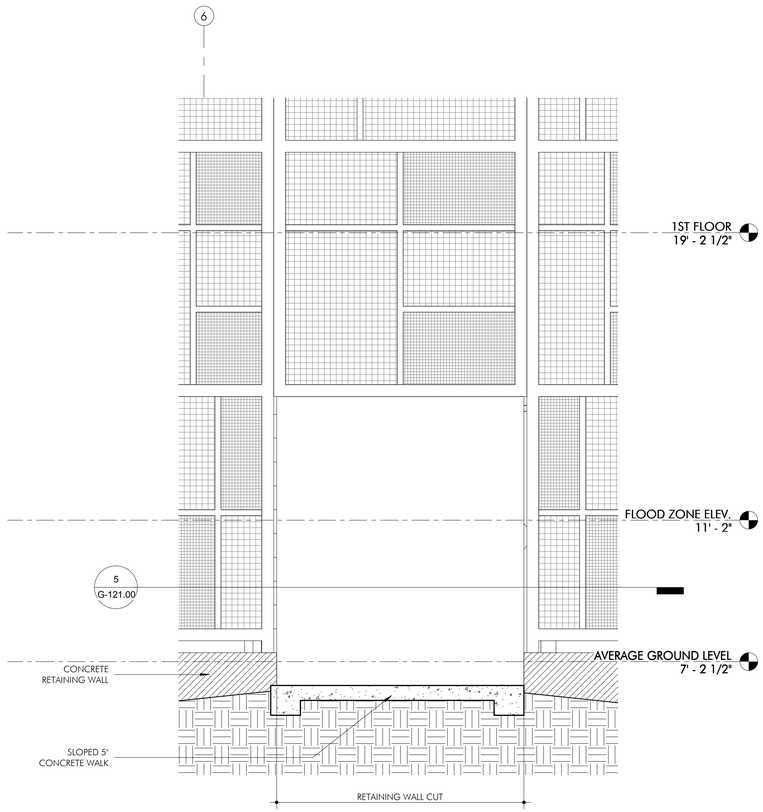
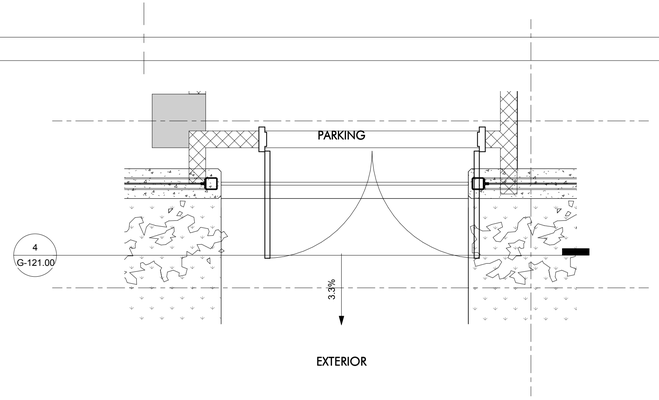
CADD FILE NO: J:\Pro2013\607 BASIS	18 of 272

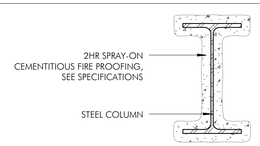
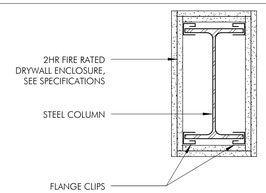
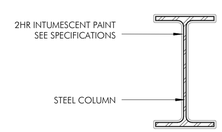


4 Fence Door Elevation Detail — SCALE 1/2" = 1'-0"



5 Fence Door Plan Detail — SCALE 1/2" = 1'-0"

STEEL STRUCTURE FIRE PROOFING METHODS

Method A	Method B	Method C
		

3 Steel Column Fire Proofing Methods — SCALE 1 1/2" = 1'-0"

INDIRECT HUNG SUSPENSION SYSTEM :

HANGER

R103.1 ASTM C 636
Section 2.1.3:
Hangers shall be spaced a maximum of 4'-6" O.C. Each hanger shall be capable of supporting the suspended load in accordance with provisions of this code. If local situations require greater center distances between hangers, the load-carrying capacity of the ceiling suspension system shall be reduced communsurate with the actual center-to center hanger distanced used.
Section 2.1.4:
Hangers shall be designed to support the suspened loads and shall be a minimum 1/4" diameter galvanized steel rods or 1'x1/8" thick flat steel bars. The use of steel wire as a hanger shall not be pertmitted.

CARRYING CHANNELS

R103.6 ASTM C 636
Section 2.1.7:
Carrying channels shall be attached to hangers in a manner that will prevent any vertical movement or rotation. If hangers are secured to special attachment devices that support the carrying channels, such devices shall have certified load test datat from an approved testing agency and shall be capable of carrying four times the design load.

R103.7 ASTM C 636
Section 2.2.3:
Local kinks or bends shall not be made in hangers as a means of leveling the carrying channels.

Section 2.2.4:
Carrying channels shall be designed to support the suspended loads, and shall be a minimum 1 1/2" deep cold-rolled steel channel weighing 0.457 pounds per linear foot and shall be given an electro-galvanized, hot-dipped galvanized cadmium coating, or zinc coating

ACT SYSTEM :

WALL MOUNDING

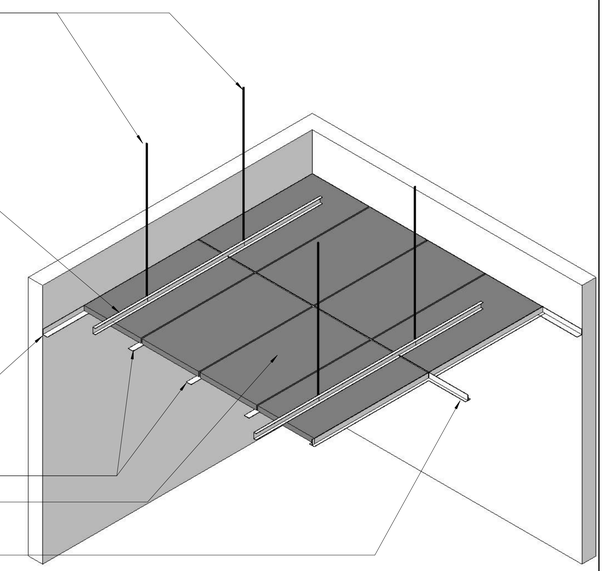
CROSS RUNNER OR SPLINE

ACOUSTICAL CEILING TILE

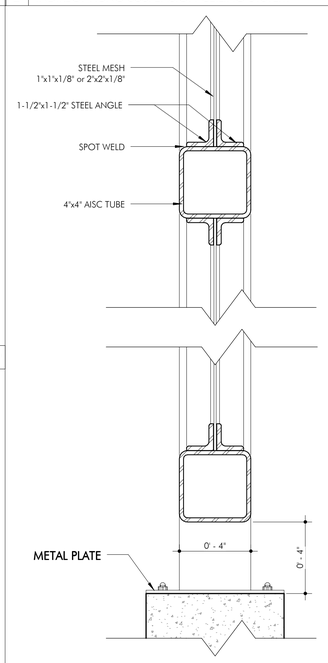
MAIN RUNNERS

R103.10 ASTM C 636
Section 2.3.2:
Main runners shall be supported from the carrying channels.
Section 2.3.3:
Main runners shall be attached to the carrying channels in a manner that will prevent any vertical movement or rotation

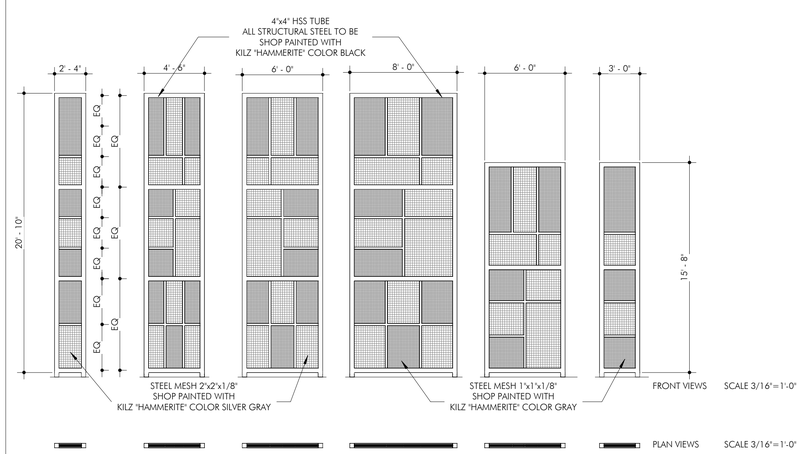
R103.13 ASTM C 636
Section 2.7.2:
Fixtures shall not be supported from main runners if the weight of the fixture causes the total dead load to exceed the deflection capability of the ceiling suspension system. Fixtures exceeding 80lbs. in weight shall be supported independent of the ceiling suspension system. Fixtures weighing 80 lbs or less may be supported from the carrying channels. Fixture weighing 50 lbs or less may be supported from the main runners. Cross runners shall not be used to support fixtures.



2 INDIRECT HUNG SUSPENSION CEILING SYSTEM — SCALE 3/4" = 1'-0"



2 FENCE DETAIL — SCALE 3"=1'-0"



1 NEW FENCE FRONT VIEW — SCALE 3/16" = 1'-0"

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15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
11	04/25/2014	CLIENT AND CONTRACTOR	BULLETIN 3
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	01/17/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE-III
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-II

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TYPICAL DETAILS

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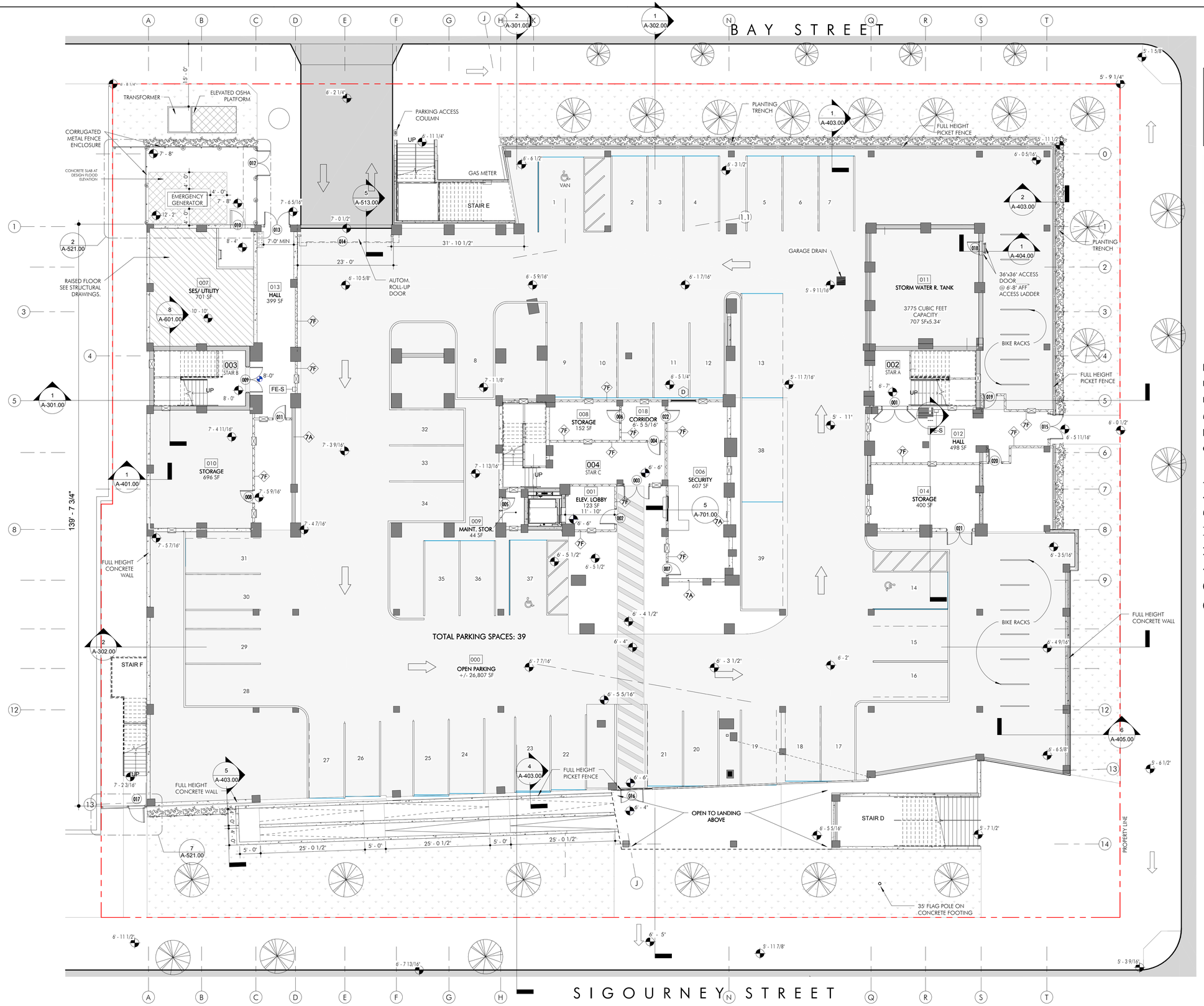

PARKING SPACES PROVIDED:

TOTAL PARKING SPACES - 39

H.C. PARKING SPACES - 2

VAN PARKING SPACE - 1

SEE ZONING REQUIREMENTS ON 3/G102.00

16" X 8" FLOOD VENT W/ 2HR FIRE DAMPER, PROTECTS 200 SF FLOOR AREA W/BOTTOM INSTALLED AT BETWEEN 6" - 12" AFF.

1 GROUND LEVEL PLAN

SCALE 3/32" = 1'-0"

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15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
13	05/19/2014	CLIENT AND CONTRACTOR	BULLETIN 5
12	05/07/2014	CLIENT AND CONTRACTOR	BULLETIN 4
9	04/11/2014	CLIENT AND CONTRACTOR	BULLETIN 1
8	02/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-1
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
2	10/18/2013	OWNER	OWNER REVIEW
1	10/16/2013	DOB	ZONING AND EGRESS REVIEW

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FLOOR PLAN GROUND LEVEL

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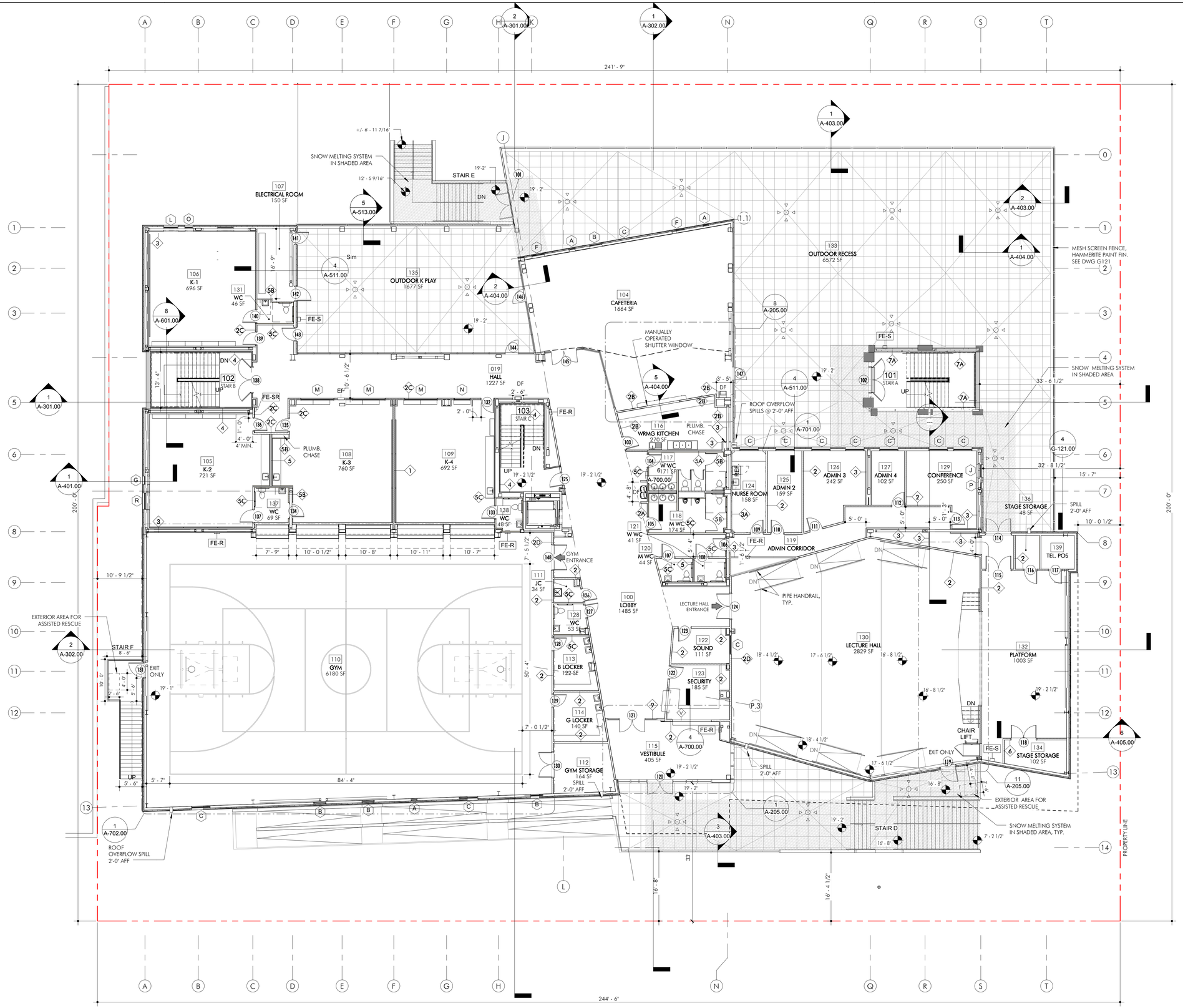

1 LEVEL 1 FLOOR PLAN

SCALE 3/32" = 1'-0"

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15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
9	04/11/2014	CLIENT AND CONTRACTOR	BULLETIN 1
8	12/27/2013	CLIENT AND CONTRACTOR	CONSTRUCTION
7	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE 1
6	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
5	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/01/2013	CLIENT AND CONTRACTOR	ISSUED FOR PERMIT
3	10/18/2013	DEPARTMENT OF BUILDING	OWNER REVIEW
2	10/18/2013	OWNER	OWNER REVIEW
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LEVEL 1 FLOOR PLAN

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NEUTRAL VENTILATION WINDOW CALCULATIONS

STAIR A

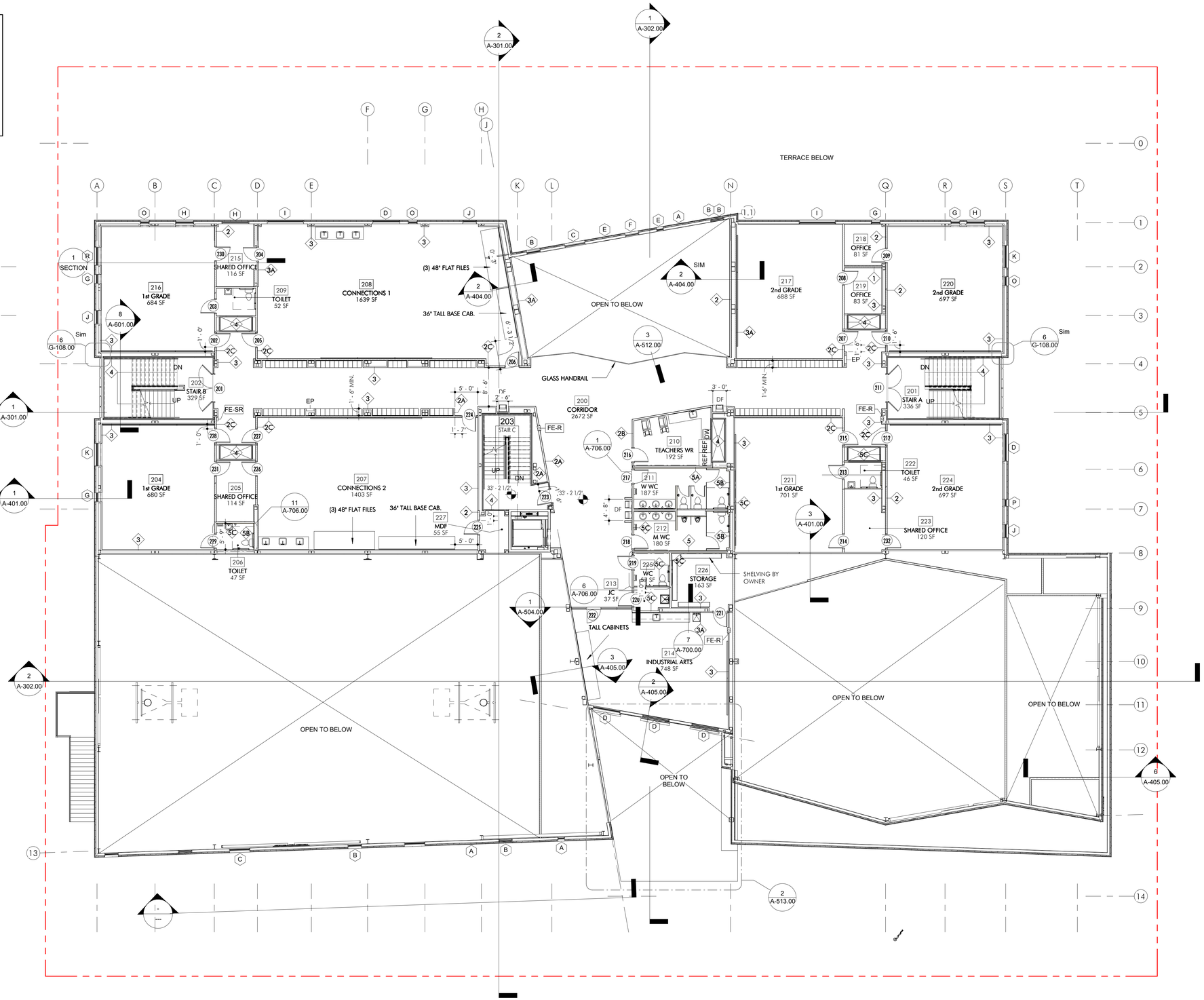
STAIR ENCLOSURE X 0.04
336 SF X 0.04 = 13.44 SF REQUIRED.

PROPOSED VENTILATION WINDOW IS 3'-10" X 3' - 10" = 14.69 SF

STAIR B

STAIR ENCLOSURE X 0.04
329 SF X 0.04 = 13.16 SF REQUIRED.

PROPOSED VENTILATION WINDOW IS 3'-10" X 3' - 10" = 14.69 SF



1 LEVEL 2 FLOOR PLAN

SCALE 3/32" = 1'-0"

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15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE I
5	12/13/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE II
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
2	10/18/2013	OWNER	OWNER REVIEW
1	10/16/2013	DOB	ZONING AND EGRESS REVIEW

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LEVEL 2 FLOOR PLAN

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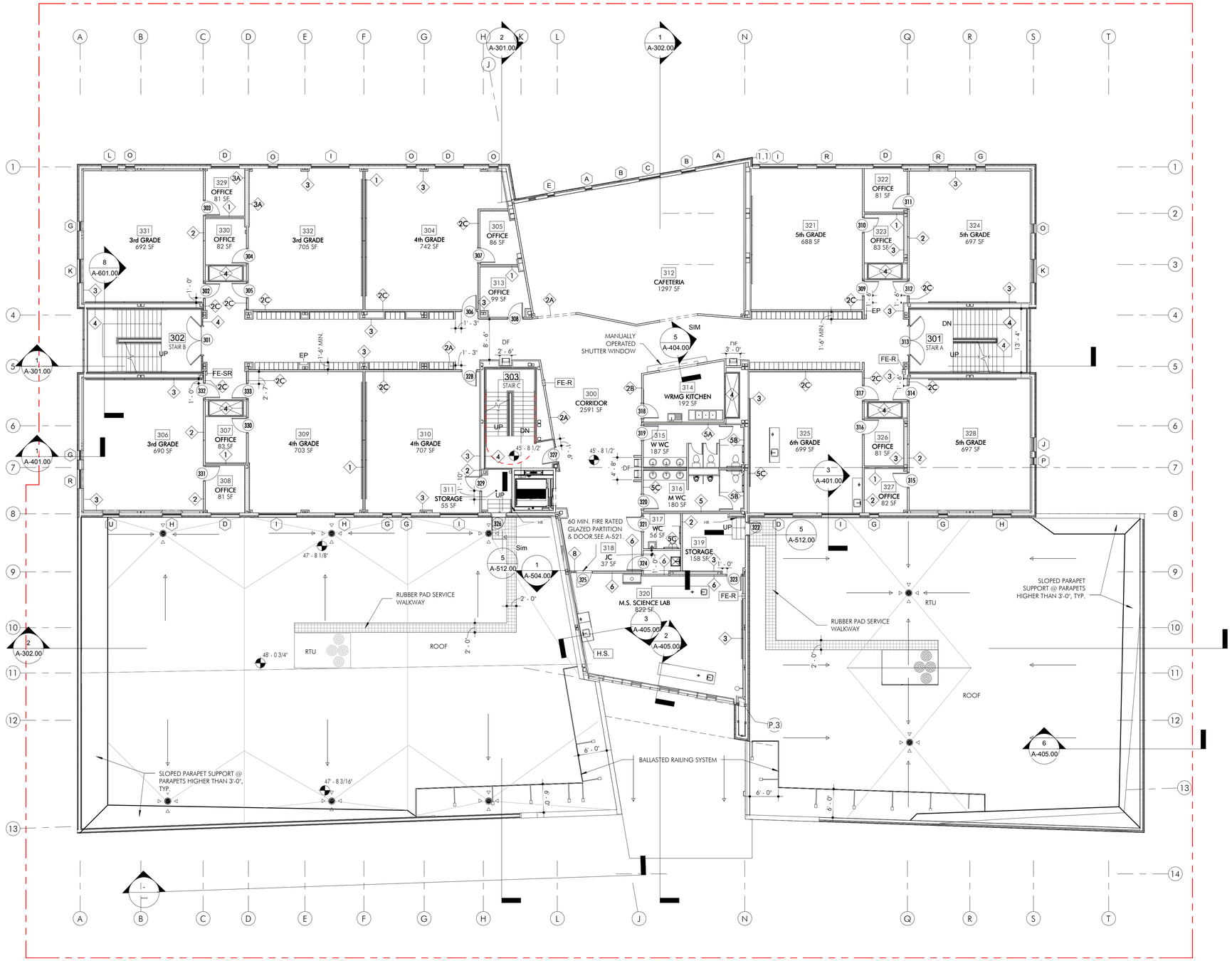

1 LEVEL 3 FLOOR PLAN

SCALE 3/32" = 1'-0"

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ISS/REV	DATE	DESCRIPTION
15	05/22/2014	ISSUED FOR PERMIT
9	04/11/2014	BULLETIN 1
8	03/07/2014	CONSTRUCTION
7	12/27/2013	ADD ALTERNATE 1
6	12/13/2013	ISSUED FOR BIDDING
5	11/18/2013	ISSUED FOR BIDDING
4	11/01/2013	ISSUED FOR BIDDING
3	10/18/2013	ISSUED FOR PERMIT
2	10/16/2013	OWNER REVIEW
1		ZONING AND EGRESS REVIEW

ISSUED TO
DEPARTMENT OF BUILDING
CLIENT AND CONTRACTOR
CLIENT AND CONTRACTOR
CLIENT AND CONTRACTOR
CLIENT AND CONTRACTOR
CLIENT AND CONTRACTOR
CLIENT AND CONTRACTOR
DEPARTMENT OF BUILDING
OWNER
DOB

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LEVEL 3 FLOOR PLAN

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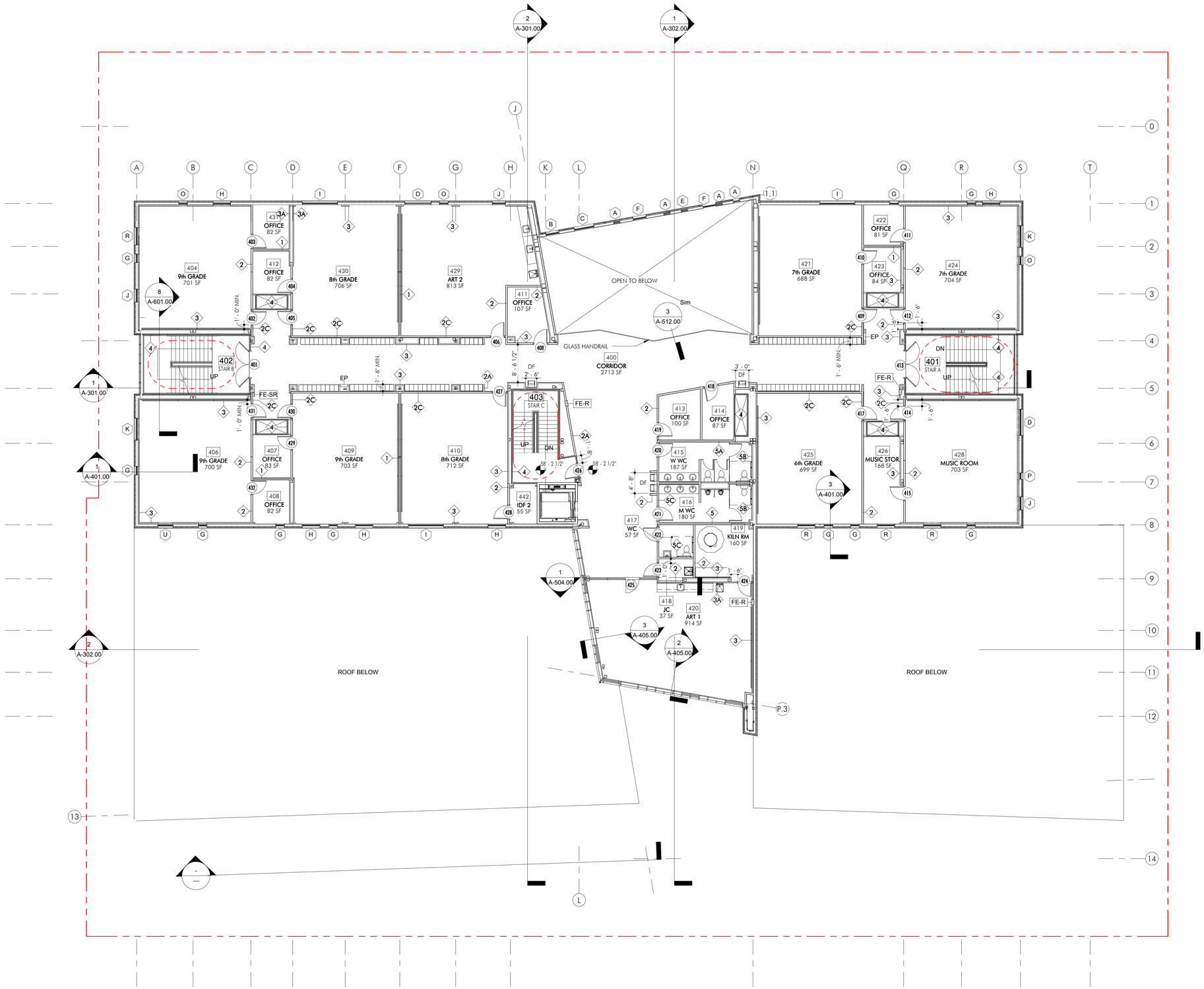

1 LEVEL 4 FLOOR PLAN

SCALE 3/32" = 1'-0"

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15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION REVIEW
7	01/17/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE II
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE I
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
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2	10/18/2013	OWNER	OWNER REVIEW

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LEVEL 4 FLOOR PLAN

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NEUTRAL VENTILATION WINDOW CALCULATIONS

STAIR A

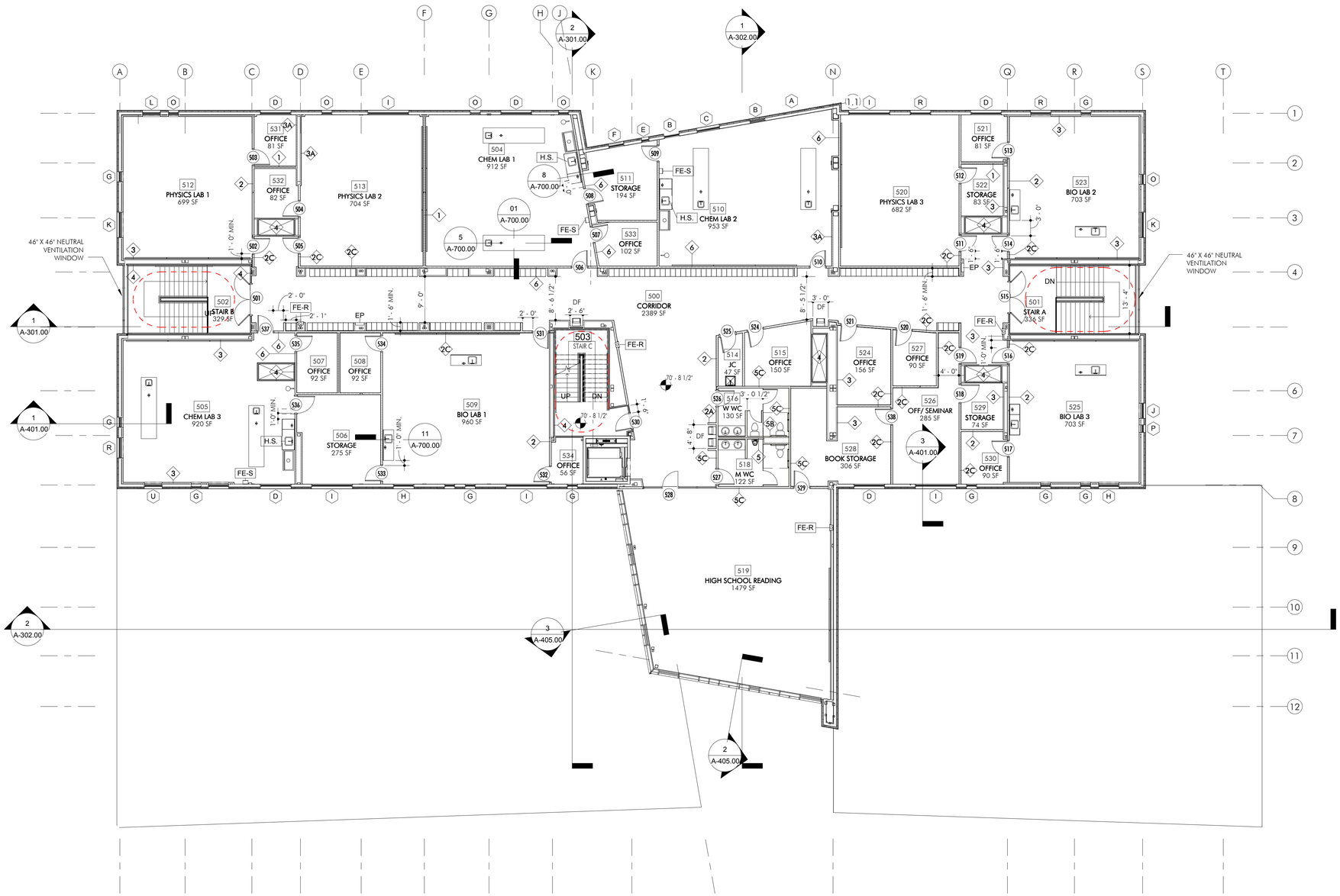
STAIR ENCLOSURE X 0.04
336 SF X 0.04 = 13.44 SF REQUIRED.

PROPOSED VENTILATION WINDOW IS 3'-10" X 3' - 10" = 14.69 SF

STAIR B

STAIR ENCLOSURE X 0.04
329 SF X 0.04 = 13.16 SF REQUIRED.

PROPOSED VENTILATION WINDOW IS 3'-10" X 3' - 10" = 14.69 SF



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15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
9	04/11/2014	CLIENT AND CONTRACTOR	BUILDING 1
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE#1
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
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LEVEL 5 FLOOR PLAN

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1 LEVEL 5 FLOOR PLAN

SCALE 3/32" = 1'-0"

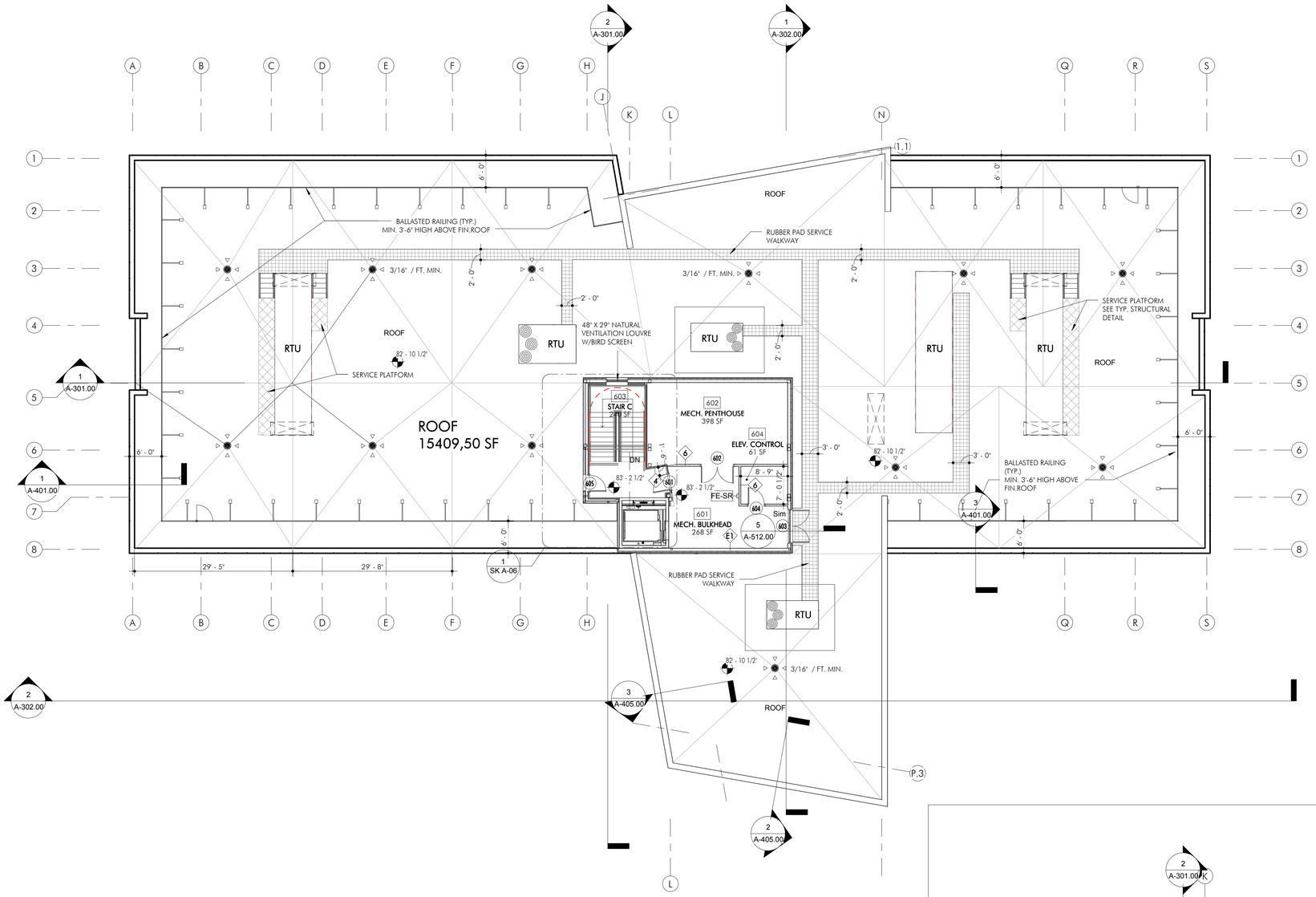
NATURAL VENTILATION CALCULATION

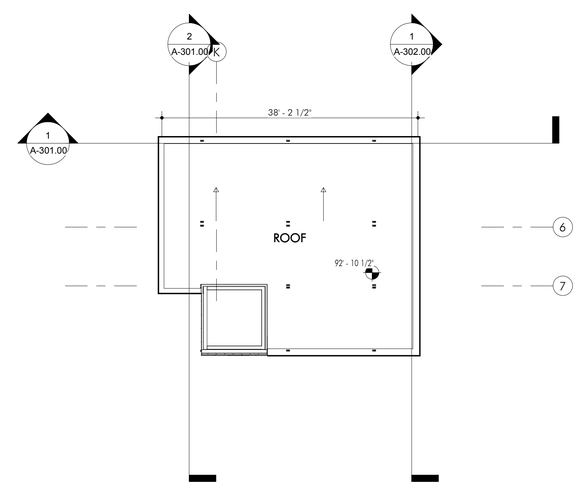
STAIR C

STAIR ENCLOSURE X 0.04 = MIN. VENTILATION

240 SF X 0.04 = 9.6 SF

PROPOSED LOUVRE 4' X 2 - 5' = 9.7 SF





1 FLOOR PLAN LEVEL 6 ROOF — SCALE 3/32" = 1'-0"

2 FLOOR PLAN MECH. PENTHOUSE ROOF DECK — SCALE 3/32" = 1'-0"

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15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	02/07/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE 4
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE 1
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
2	10/18/2013	OWNER	OWNER REVIEW
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MECHANICAL AND ROOF PLAN

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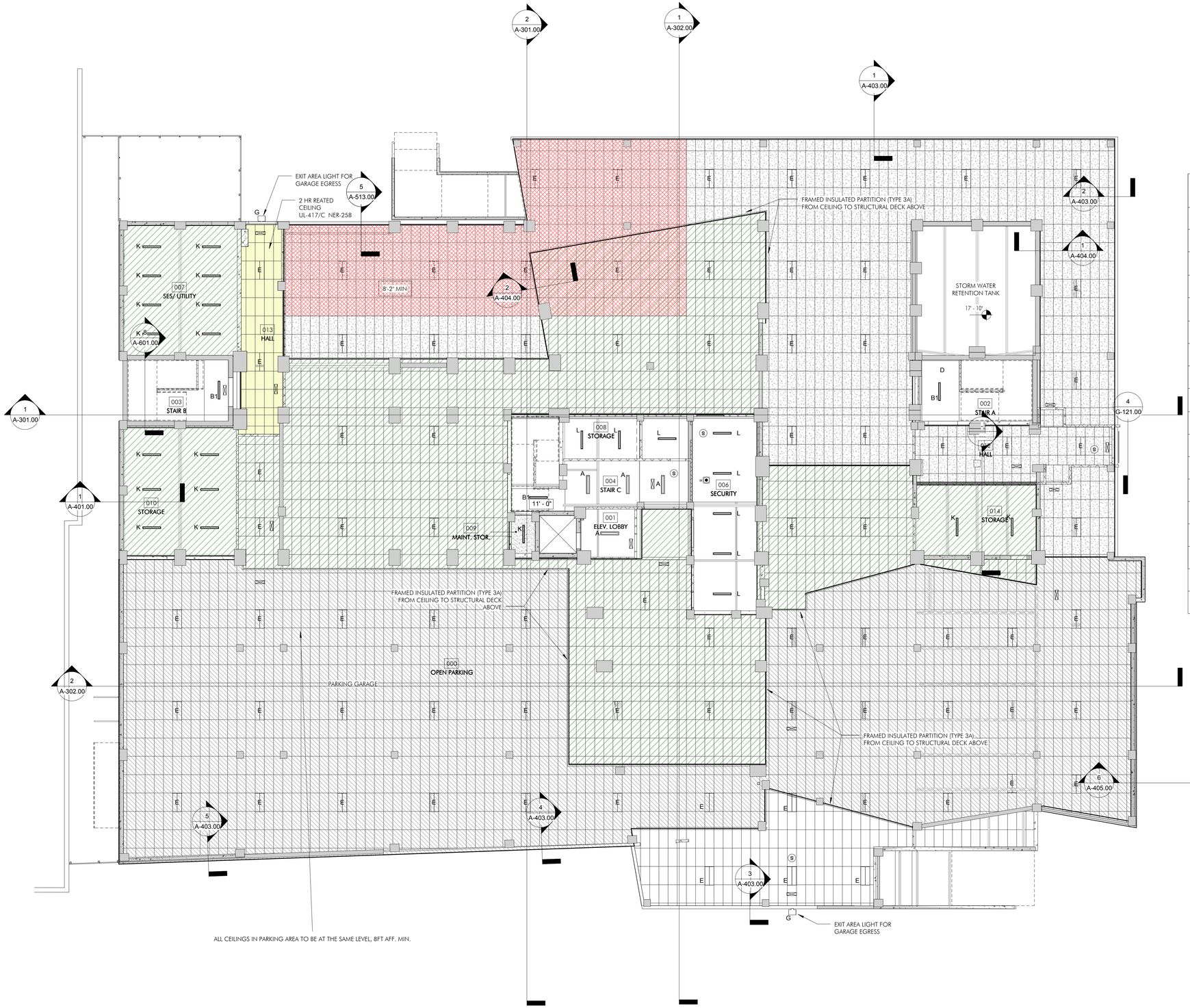
DRAWING NO:	A-106.00
CADD FILE NO: J:\Proj2013\607 BASIS	26 of 272



GENERAL NOTES

A. MEP DEVICES SHOWN FOR CEILING LAYOUT COORDINATION ONLY. REFER TO MEP DWGS.

B. REFER TO ELECTRICAL DRAWINGS FOR LIGHT SWITCH AND ELECTRICAL & NETWORK RECEPTACLE LAYOUT.

C. ALL CEILING MOUNTED ACCOUSTICAL CLOUDS TO BE @ THE SAME HEIGHT AS LIGHTING FIXTURES.

POWER - DATA LEGEND

QTY.		
19		DUPLEX, 18" A.F.F. *
-	GFI	OUTLET - GFI, 3' 6" A.F.F *
-		QUADRUPLEX, 18" A.F.F *
1		FLOOR DUPLEX
1		FLOOR SINGLE DATA JACK
-		DATA/HDMI PORT
6		DUAL DATA CAT 6, 18" A.F.F *
-		SINGLE DATA PORT, 18" A.F.F*
2		WEATHERPROOF EXTERIOR OUTLET
1		INTERCOM
-	J	JUNCTION BOX
-		FLOOR DATA/HDMI PORT
-		CALL BOX
-		TELEPHONE
-		CLOCK
-	W	WIRELESS ACCESS POINT @CEILING
-	R	POWER REEL ATTACHED TO UNI-STRUT
3	S	SPEAKER / PA

* UNLESS OTHERWISE NOTED

GENERAL NOTES

A. MEP DEVICES SHOWN FOR CEILING LAYOUT COORDINATION ONLY. REFER TO MEP DWGS.

B. REFER TO ELECTRICAL DRAWINGS FOR LIGHT SWITCH AND ELECTRICAL & NETWORK RECEPTACLE LAYOUT.

C. SEE ADDITIONAL LIGHTING ON A-603 (EXTERIOR STAIR)

REFLECTED CEILING LEGEND

	EXIT SIGN
	R-20 CEILING
	R-11 CEILING
	NO INSULATION CEILING
	CEILING HEIGHT TO BE MIN. 8'-2"
	2 HOUR RATED CEILING

1 R.C.P. GROUND LEVEL

SCALE 3/32" = 1'-0"

PARTNERS FOR ARCHITECTURE
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BASIS INDEPENDENT SCHOOLS

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phone 520.577.4560 www.cca-az.com

ALL THE PROJECT FLOOR ELEVATIONS HAVE BEEN REVISED TO REFLECT N.A.V.D. 1988 STANDARD.(1.46' ABOVE BROOKLYN TOPOGRAPHICAL BUREAU.)

DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
13	04/25/2014	CLIENT AND CONTRACTOR	BULLETIN 4
9	04/11/2014	CLIENT AND CONTRACTOR	BULLETIN 3
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-1
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT

NORTH

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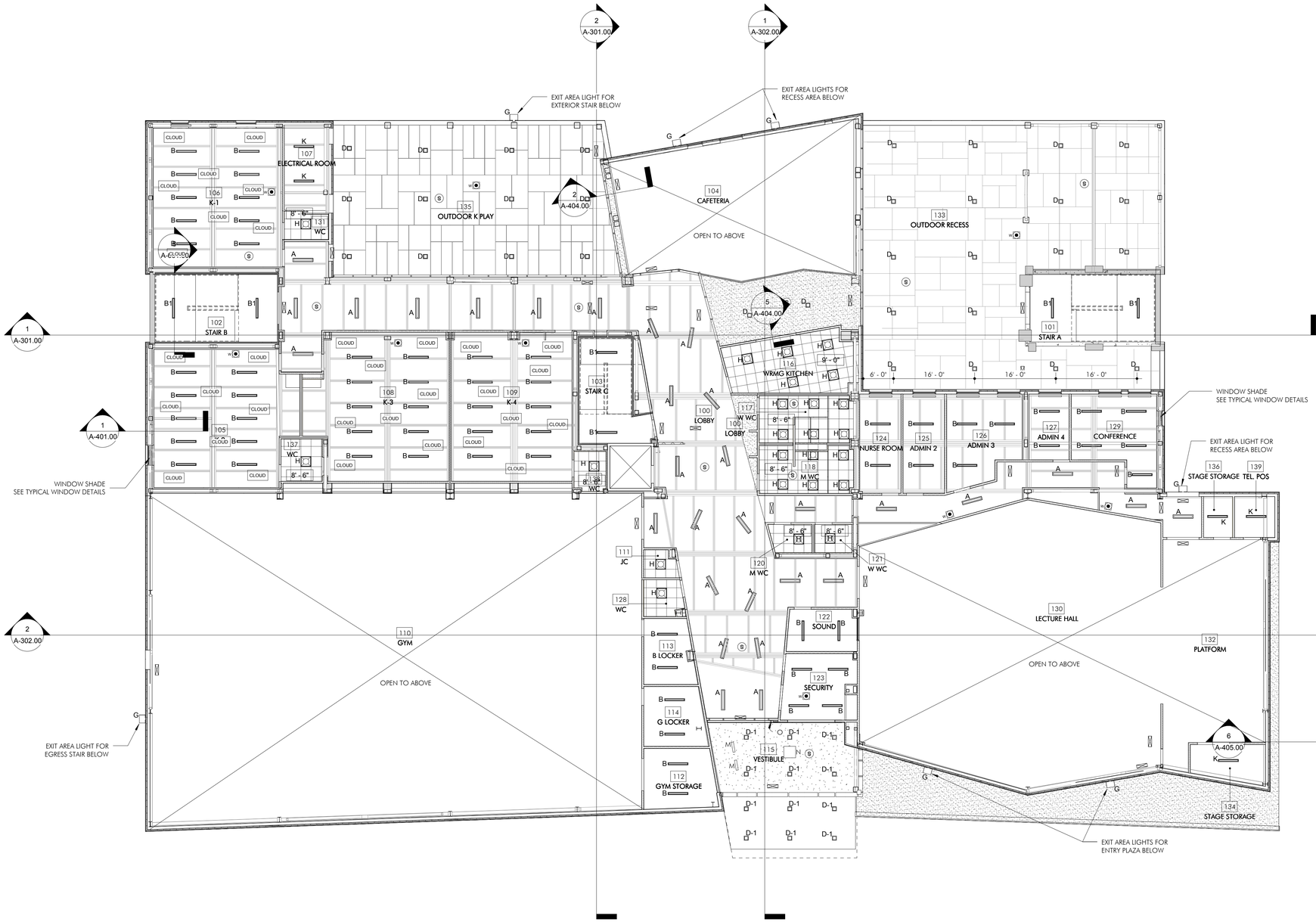
556 COLUMBIA STREET
BROOKLYN, NY 11231

REFLECTED CEILING PLAN GROUND LEVEL

SEAL & SIGNATURE

DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	TE
CHECKED BY:	RS
DRAWING NO:	A-110.00
CADD FILE NO: J:\Proj2013\607 BASIS	27 of 272



GENERAL NOTES

A. MEP DEVICES SHOWN FOR CEILING LAYOUT COORDINATION ONLY. REFER TO MEP DWGS.

B. REFER TO ELECTRICAL DRAWINGS FOR LIGHT SWITCH AND ELECTRICAL & NETWORK RECEPTACLE LAYOUT.

C. ALL CEILING MOUNTED ACCOUSTICAL CLOUDS TO BE @ THE SAME HEIGHT AS LIGHTING FIXTURES.

POWER - DATA LEGEND

QTY.		
103		DUPLEX, 18" A.F.F. *
19	GFI	OUTLET - GFI, 3' 6" A.F.F *
9		QUADRUPLEX, 18" A.F.F *
3		FLOOR DUPLEX
1		FLOOR SINGLE DATA JACK
14		DATA/HDMI PORT
40		DUAL DATA CAT 6, 18" A.F.F *
1		SINGLE DATA PORT, 18" A.F.F*
7		WEATHERPROOF EXTERIOR OUTLET
12		INTERCOM
2		JUNCTION BOX
.		FLOOR DATA/HDMI PORT
.		CALL BOX
1		TELEPHONE
.		CLOCK
9	W	WIRELESS ACCESS POINT @CEILING
.	R	POWER REEL ATTACHED TO UNI-STRUT
11	S	SPEAKER / PA

* UNLESS OTHERWISE NOTED

GENERAL NOTES

A. MEP DEVICES SHOWN FOR CEILING LAYOUT COORDINATION ONLY. REFER TO MEP DWGS.

B. REFER TO ELECTRICAL DRAWINGS FOR LIGHT SWITCH AND ELECTRICAL & NETWORK RECEPTACLE LAYOUT.

C. SEE ADDITIONAL LIGHTING ON A-603 (EXTERIOR STAIR)

REFLECTED CEILING LEGEND

	EXIT SIGN
	R-20 CEILING
	R-11 CEILING
	NO INSULATION CEILING
	CEILING HEIGHT TO BE MIN. 8'-2"
	2 HOUR RATED CEILING

1 R.C.P. LEVEL 1

SCALE 3/32" = 1'-0"

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phone 520.577.4560 www.cca-az.com

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DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
1.5	06/02/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
8	03/07/2014	CLIENT AND CONTRACTOR	BULLETIN 1
7	12/27/2013	CLIENT AND CONTRACTOR	CONSTRUCTION
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-1
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
2	10/18/2013	OWNER	OWNER REVIEW

NORTH

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556 COLUMBIA STREET
BROOKLYN, NY 11231

REFLECTED CEILING PLAN LEVEL 1

SEAL & SIGNATURE

DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	TE
CHECKED BY:	RS
DRAWING NO:	A-111.00
CADD FILE NO: J:\Pro2013\607 BASIS	28 of 272

GENERAL NOTES

A. MEP DEVICES SHOWN FOR CEILING LAYOUT COORDINATION ONLY. REFER TO MEP DWGS.

B. REFER TO ELECTRICAL DRAWINGS FOR LIGHT SWITCH AND ELECTRICAL & NETWORK RECEPTACLE LAYOUT.

C. ALL CEILING MOUNTED ACCOUSTICAL CLOUDS TO BE @ THE SAME HEIGHT AS LIGHTING FIXTURES.

QTY.	POWER - DATA LEGEND	
84		DUPLEX, 18" A.F.F. *
14	GFI	OUTLET - GFI, 3' 6" A.F.F *
1		QUADRUPLEX, 18" A.F.F *
-		FLOOR DUPLEX
-		FLOOR SINGLE DATA JACK
17		DATA/HDMI PORT
19		DUAL DATA CAT 6, 18" A.F.F *
-		SINGLE DATA PORT, 18" A.F.F*
-		WEATHERPROOF EXTERIOR OUTLET
12		INTERCOM
1		JUNCTION BOX
-		FLOOR DATA/HDMI PORT
-		CALL BOX
-		TELEPHONE
9		CLOCK
19	W	WIRELESS ACCESS POINT @CEILING
-	R	POWER REEL ATTACHED TO UNI-STRUT
27	S	SPEAKER / PA

* UNLESS OTHERWISE NOTED

GENERAL NOTES

A. MEP DEVICES SHOWN FOR CEILING LAYOUT COORDINATION ONLY. REFER TO MEP DWGS.

B. REFER TO ELECTRICAL DRAWINGS FOR LIGHT SWITCH AND ELECTRICAL & NETWORK RECEPTACLE LAYOUT.

C. SEE ADDITIONAL LIGHTING ON A-603 (EXTERIOR STAIR)

REFLECTED CEILING LEGEND

	EXIT SIGN
	R-20 CEILING
	R-11 CEILING
	NO INSULATION CEILING
	CEILING HEIGHT TO BE MIN. 8'-2"
	2 HOUR RATED CEILING

1 R.C.P. LEVEL 2

SCALE 3/32" = 1'-0"

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DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
1.5	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
9	04/11/2014	CLIENT AND CONTRACTOR	BULLETIN 1
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-1
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
2	10/18/2013	OWNER	OWNER REVIEW

NORTH

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BROOKLYN, NY 11231

REFLECTED CEILING PLAN LEVEL 2

SEAL & SIGNATURE

DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	TE
CHECKED BY:	RS
DRAWING NO:	A-112.00
CADD FILE NO: J:\Proj2013\607 BASIS	29 of 272

GENERAL NOTES

A. MEP DEVICES SHOWN FOR CEILING LAYOUT COORDINATION ONLY. REFER TO MEP DWGS.

B. REFER TO ELECTRICAL DRAWINGS FOR LIGHT SWITCH AND ELECTRICAL & NETWORK RECEPTACLE LAYOUT.

C. ALL CEILING MOUNTED ACCOUSTICAL CLOUDS TO BE @ THE SAME HEIGHT AS LIGHTING FIXTURES.

POWER - DATA LEGEND

QTY.		
102		DUPLEX, 18" A.F.F. *
15	GFI	OUTLET - GFI, 3' 6" A.F.F *
-		QUADRUPLEX, 18" A.F.F *
1		FLOOR DUPLEX
-		FLOOR SINGLE DATA JACK
22		DATA/HDMI PORT
24		DUAL DATA CAT 6, 18" A.F.F *
1		SINGLE DATA PORT, 18" A.F.F*
2		WEATHERPROOF EXTERIOR OUTLET
13		INTERCOM
-	J	JUNCTION BOX
-		FLOOR DATA/HDMI PORT
-		CALL BOX
-		TELEPHONE
11		CLOCK
13	W	WIRELESS ACCESS POINT @CEILING
3	R	POWER REEL ATTACHED TO UNI-STRUT
18	S	SPEAKER / PA

* UNLESS OTHERWISE NOTED

GENERAL NOTES

A. MEP DEVICES SHOWN FOR CEILING LAYOUT COORDINATION ONLY. REFER TO MEP DWGS.

B. REFER TO ELECTRICAL DRAWINGS FOR LIGHT SWITCH AND ELECTRICAL & NETWORK RECEPTACLE LAYOUT.

C. SEE ADDITIONAL LIGHTING ON A-603 (EXTERIOR STAIR)

REFLECTED CEILING LEGEND

	EXIT SIGN
	R-20 CEILING
	R-11 CEILING
	NO INSULATION CEILING
	CEILING HEIGHT TO BE MIN. 8'-2"
	2 HOUR RATED CEILING

PARTNERS FOR ARCHITECTURE
48 UNION STREET,
STAMFORD, CT 06906
P 203/708.0047
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BASIS INDEPENDENT SCHOOLS

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phone 520.577.4560 www.cca-az.com

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DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
1.5	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
9	04/11/2014	CLIENT AND CONTRACTOR	BULLETIN 1
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-1
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
2	10/18/2013	OWNER	OWNER REVIEW

NORTH

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BROOKLYN, NY 11231

REFLECTED CEILING PLAN LEVEL 3

SEAL & SIGNATURE

DATE: 04/11/2014
PROJECT NO.: 13-607
DRAWN BY: TE
CHECKED BY: RS
DRAWING NO:
A-113.00
CADD FILE NO: J:\Proj2013\607 BASIS
30 of 272

1 R.C.P. LEVEL 3

SCALE 3/32" = 1'-0"

GENERAL NOTES

A. MEP DEVICES SHOWN FOR CEILING LAYOUT COORDINATION ONLY. REFER TO MEP DWGS.

B. REFER TO ELECTRICAL DRAWINGS FOR LIGHT SWITCH AND ELECTRICAL & NETWORK RECEPTACLE LAYOUT.

C. ALL CEILING MOUNTED ACCOUSTICAL CLOUDS TO BE @ THE SAME HEIGHT AS LIGHTING FIXTURES.

POWER - DATA LEGEND

QTY.		
100		DUPLEX, 18" A.F.F. *
6	GFI	OUTLET - GFI, 3' 6" A.F.F *
1		QUADRUPLEX, 18" A.F.F *
3		FLOOR DUPLEX
1		FLOOR SINGLE DATA JACK
25		DATA/HDMI PORT
26		DUAL DATA CAT 6, 18" A.F.F *
6		SINGLE DATA PORT, 18" A.F.F*
.		WEATHERPROOF EXTERIOR OUTLET
11		INTERCOM
1		JUNCTION BOX
1		FLOOR DATA/HDMI PORT
.		CALL BOX
.		TELEPHONE
11	C	CLOCK
11	W	WIRELESS ACCESS POINT @CEILING
.	R	POWER REEL ATTACHED TO UNI-STRUT
20	S	SPEAKER / PA

* UNLESS OTHERWISE NOTED

GENERAL NOTES

A. MEP DEVICES SHOWN FOR CEILING LAYOUT COORDINATION ONLY. REFER TO MEP DWGS.

B. REFER TO ELECTRICAL DRAWINGS FOR LIGHT SWITCH AND ELECTRICAL & NETWORK RECEPTACLE LAYOUT.

C. SEE ADDITIONAL LIGHTING ON A-603 (EXTERIOR STAIR)

REFLECTED CEILING LEGEND

	EXIT SIGN
	R-20 CEILING
	R-11 CEILING
	NO INSULATION CEILING
	CEILING HEIGHT TO BE MIN. 8'-2"
	2 HOUR RATED CEILING

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phone 520.577.4560 www.cca-az.com

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DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
1.5	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
9	04/11/2014	CLIENT AND CONTRACTOR	BULLETIN 1
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-1
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
2	10/18/2013	OWNER	OWNER REVIEW

NORTH

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BROOKLYN, NY 11231

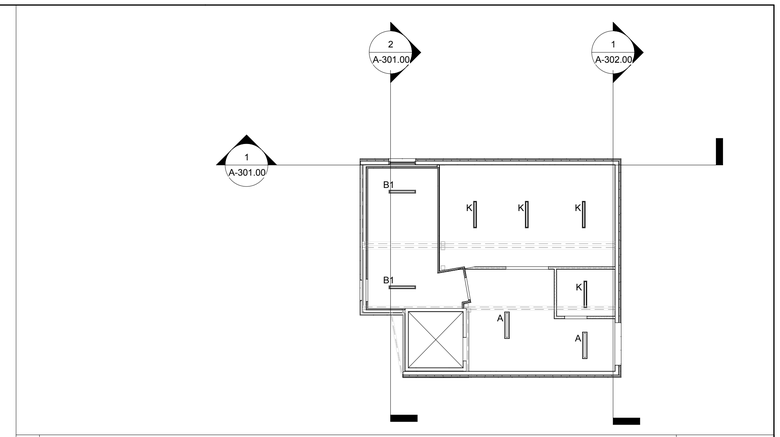
REFLECTED CEILING PLAN LEVEL 4

SEAL & SIGNATURE

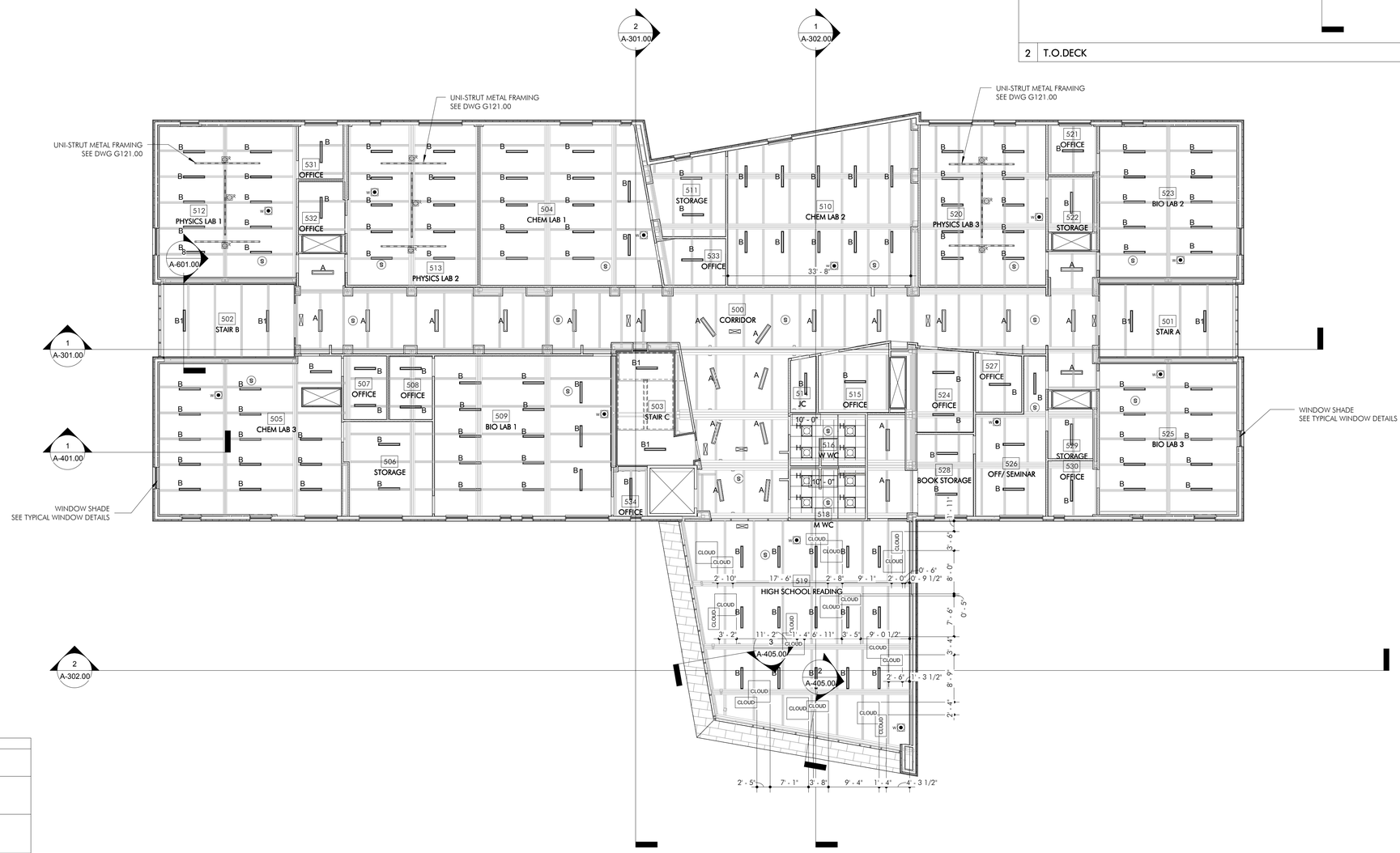
DATE: 04/11/2014
PROJECT NO.: 13-607
DRAWN BY: TE
CHECKED BY: RS
DRAWING NO:
A-114.00
CADD FILE NO: J:\Proj2013\607 BASIS
31 of 272

1 R.C.P. LEVEL 4

SCALE 3/32" = 1'-0"



2 T.O.DECK SCALE 3/32" = 1'-0"



REFLECTED CEILING LEGEND	
	EXIT SIGN
	R-20 CEILING
	R-11 CEILING
	NO INSULATION CEILING
	CEILING HEIGHT TO BE MIN. 8'-2"
	2 HOUR RATED CEILING

1 R.C.P. LEVEL 5 SCALE 3/32" = 1'-0"

GENERAL NOTES

A. MEP DEVICES SHOWN FOR CEILING LAYOUT COORDINATION ONLY. REFER TO MEP DWGS.

B. REFER TO ELECTRICAL DRAWINGS FOR LIGHT SWITCH AND ELECTRICAL & NETWORK RECEPTACLE LAYOUT.

C. ALL CEILING MOUNTED ACCOUSTICAL CLOUDS TO BE @ THE SAME HEIGHT AS LIGHTING FIXTURES.

QTY.		POWER - DATA LEGEND
99		DUPLEX, 18" A.F.F. *
35	GFI	OUTLET - GFI, 3' 6" A.F.F *
-		QUADRUPLEX, 18" A.F.F *
3		FLOOR DUPLEX
3		FLOOR SINGLE DATA JACK
20		DATA/HDMI PORT
33		DUAL DATA CAT 6, 18" A.F.F *
-		SINGLE DATA PORT, 18" A.F.F*
-		WEATHERPROOF EXTERIOR OUTLET
10		INTERCOM
-		JUNCTION BOX
-		FLOOR DATA/HDMI PORT
-		CALL BOX
-		TELEPHONE
10		CLOCK
12	W	WIRELESS ACCESS POINT @CEILING
9	R	POWER REEL ATTACHED TO UNI-STRUT
18		SPEAKER / PA

* UNLESS OTHERWISE NOTED

GENERAL NOTES

A. MEP DEVICES SHOWN FOR CEILING LAYOUT COORDINATION ONLY. REFER TO MEP DWGS.

B. REFER TO ELECTRICAL DRAWINGS FOR LIGHT SWITCH AND ELECTRICAL & NETWORK RECEPTACLE LAYOUT.

C. SEE ADDITIONAL LIGHTING ON A-603 (EXTERIOR STAIR)

PARTNERS FOR ARCHITECTURE
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BASIS INDEPENDENT SCHOOLS

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phone 520.577.4560 www.cca-az.com

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DOB SCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR REWIT
9	04/11/2014	CLIENT AND CONTRACTOR	BULLETIN 1
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-1
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
2	10/18/2013	OWNER	OWNER REVIEW

NORTH

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556 COLUMBIA STREET
BROOKLYN, NY 11231

R.C.P. LEVEL 5 AND ROOF

SEAL & SIGNATURE

DATE: 04/11/2014
PROJECT NO.: 13-607
DRAWN BY: TE
CHECKED BY: RS
DRAWING NO:
A-115.00

CADD FILE NO:
J:\Proj2013\607 BASIS

LIGHTING LEGEND AND SCHEDULE

SYMBOL	TYPE MARK	MANUFACTURER	MODEL	DESCRIPTION	COMMENTS
	TYPE A	CREE	CS14-38L-35K-PCS-12-13-4B-JB	1X4 LINEAR LED PENDANT LUMINAIRE WHICH INTEGRATES UPWARD FACING LED STRIP. UTILIZES TRUE WHITE TECHNOLOGY AND ROOM SIDE HEAT SINK.	
	TYPE B	CREE	CR 14-40L-35K-10V-SMK-CR14	1X4 SURFACE MOUNTED LED TROFFER. UTILIZES TRUE WHITE TECHNOLOGY AND ROOM SIDE HEAT SINK.	
	TYPE B1	CREE	CR 14-40L-35K-SMK-CR14	1X4 SURFACE MOUNTED LED TROFFER. UTILIZES TRUE WHITE TECHNOLOGY AND ROOM SIDE HEAT SINK. WITHOUT DIMMER.	
	TYPE C	CREE	PKG-304-PS-PD-06-E-UL-WH-700	LED HIGHBAY PENDANT MOUNT WITH SLIM LOW PROFILE DESIGN. CONSTRUCTED OF RUGGED DIE CAST AND EXTRUDED ALUMINUM COMPONENTS. UTILIZES BETALED TECHNOLOGY. 10 YEAR LIMITED WARRANTY.	
	TYPE C1	CREE	PKG-304-PS-PD-06-E-UL-BK-40K-XA-PSFTG	LED HIGHBAY PENDANT MOUNT WITH SLIM LOW PROFILE DESIGN. CONSTRUCTED OF RUGGED DIE CAST AND EXTRUDED ALUMINUM COMPONENTS. UTILIZES BETALED TECHNOLOGY. 10 YEAR LIMITED WARRANTY. WITH BK FINISH	
	TYPE D	CREE	KR6-20L-3JK-KR6T-SSGC-FF	6 INCH LED DOWNLIGHT, 1700 LUMEN OUTPUT. UTILIZES TRUE WHITE TECHNOLOGY AND ACTIVE COLOR MANAGEMENT. STANDARD 10 YEAR LIMITED WARRANTY, 55,000 HR RATED LIFE.	
	TYPE D1	CREE	KR6-30L-3JK-KR6T-SSGC-FF	6 INCH LED DOWNLIGHT, 2650 LUMEN OUTPUT. UTILIZES TRUE WHITE TECHNOLOGY AND ACTIVE COLOR MANAGEMENT. STANDARD 10 YEAR LIMITED WARRANTY, 55,000 HR RATED LIFE.	
	TYPE E	CREE	CR24-40L-35K	2X4 LAY IN LED TROFFER. UTILIZES TRUE WHITE TECHNOLOGY AND ROOM SIDE HEAT SINK.	
	TYPE F	COLE	LI57-2-HO	EXTERIOR RECESSED WALL LIGHTLED STEP LIGHT. CONSTRUCTED FROM DIE FORMED 16 GUAGE STEEL. FACEPLATE IS CAST ALUMINUM WITH METALLIC ALUMINUM POLYESTER COATING, GASKETED AND RETAINED BY STAINLESS STEEL SCREWS.	SEE DRAWING A603.
	TYPE G	CREE	SEC-EDG-3M-WM-04-D-UL-SV-700-40K	WALL MOUNT EGRESS AND SECURITY LUMINAIRE. UTILIZES BETALED TECHNOLOGY, UL WET LISTED, INTERNATIONAL DARK SKY ASSOCIATION APPROVED. STANDARD 10 YEAR LIMITED WARRANTY. INCLUDE REMOTE BATTERY BACK-UP PACK.	
	TYPE H	CREE	CR22-32L-35K-UNIV	2X2 LAY IN LED TROFFER. UTILIZES TRUE WHITE TECHNOLOGY AND ROOM SIDE HEAT SINK.	
	TYPE K	COLUMBIA	CS-4-2-32-UNV	UTILITY BACK OF HOUSE, 4' STEEL HOUSING, STRAIGHT SIDED UTILITY CHANNEL FLOURESCENT.	
	TYPE L	CREE	SL 40-40L-35K	40" LED SURFACE LINEAR LUMINAIRE PROVIDING HIGH QUALITY, LOW-BRIGHTNESS LIGHT. UTILIZES CREE PROPRIETARY MICRO MIXING TECHNOLOGY. ROOM SIDE HEAT SINK, STANDARD 10 YEAR LIMITED WARRANTY, 55,000 HR RATED LIFE.	
	TYPE X	SLIMLINE	SL-15-2-W-BA-GL	SELF LUMINOUS EXIT SIGN SL SERIES	SEE RCP DRAWINGS
	TYPE X ALT.1	EELP	PXEA-75-1-LB-R-DA		
	TYPE X ALT.2	ECOGLO	EX424246-75R & EX405229-75R		
	TYPE M	ELLIPTIPAR	S224-K021-MOUNTING-FINISH-00-0-35-00		
	TYPE N	TBD	TBD	DECORATIVE LIGHTING FIXTURE AT LOBBY CEILING	
	TYPE O	AXIS	TBD	COVE LIGHTING AT LOBBY	

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ALL THE PROJECT FLOOR ELEVATIONS HAVE BEEN REVISED TO REFLECT N.A.V.D. 1988 STANDARD.(1.46' ABOVE BROOKLYN TOPOGRAPHICAL BUREAU.)

DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
1.5	06/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	01/17/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE-II
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-I
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT

NORTH

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NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

556 COLUMBIA STREET
BROOKLYN, NY 11231

LIGHTING SCHEDULE

SEAL & SIGNATURE

DATE: 04/11/2014
PROJECT NO.: 13-607
DRAWN BY: TE
CHECKED BY: RS
DRAWING NO:
A-116.00

CADD FILE NO:
J:\Proj2013\607 BASIS

GENERAL NOTES

A. MEP DEVICES SHOWN FOR CEILING LAYOUT COORDINATION ONLY. REFER TO MEP DWGS.

B. REFER TO ELECTRICAL DRAWINGS FOR LIGHT SWITCH AND ELECTRICAL & NETWORK RECEPTACLE LAYOUT.

C. ALL CEILING MOUNTED ACCOUSTICAL CLOUDS TO BE @ THE SAME HEIGHT AS LIGHTING FIXTURES.

POWER - DATA LEGEND

QTY.		
19		DUPLEX, 18" A.F.F. *
-	GFI	OUTLET - GFI, 3' 6" A.F.F *
-		QUADRUPLEX, 18" A.F.F *
1		FLOOR DUPLEX
1		FLOOR SINGLE DATA JACK
-		DATA/HDMI PORT
6		DUAL DATA CAT 6, 18" A.F.F *
-		SINGLE DATA PORT, 18" A.F.F*
2		WEATHERPROOF EXTERIOR OUTLET
1		INTERCOM
-		JUNCTION BOX
-		FLOOR DATA/HDMI PORT
-		CALL BOX
-		TELEPHONE
-		CLOCK
-	W	WIRELESS ACCESS POINT @CEILING
-		POWER REEL ATTACHED TO UNI-STRUT
3	S	SPEAKER / PA

* UNLESS OTHERWISE NOTED

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DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
13	05/19/2014	CLIENT AND CONTRACTOR	BULLETIN 5
9	04/11/2014	CLIENT AND CONTRACTOR	BULLETIN 3
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-1
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT

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556 COLUMBIA STREET
BROOKLYN, NY 11231

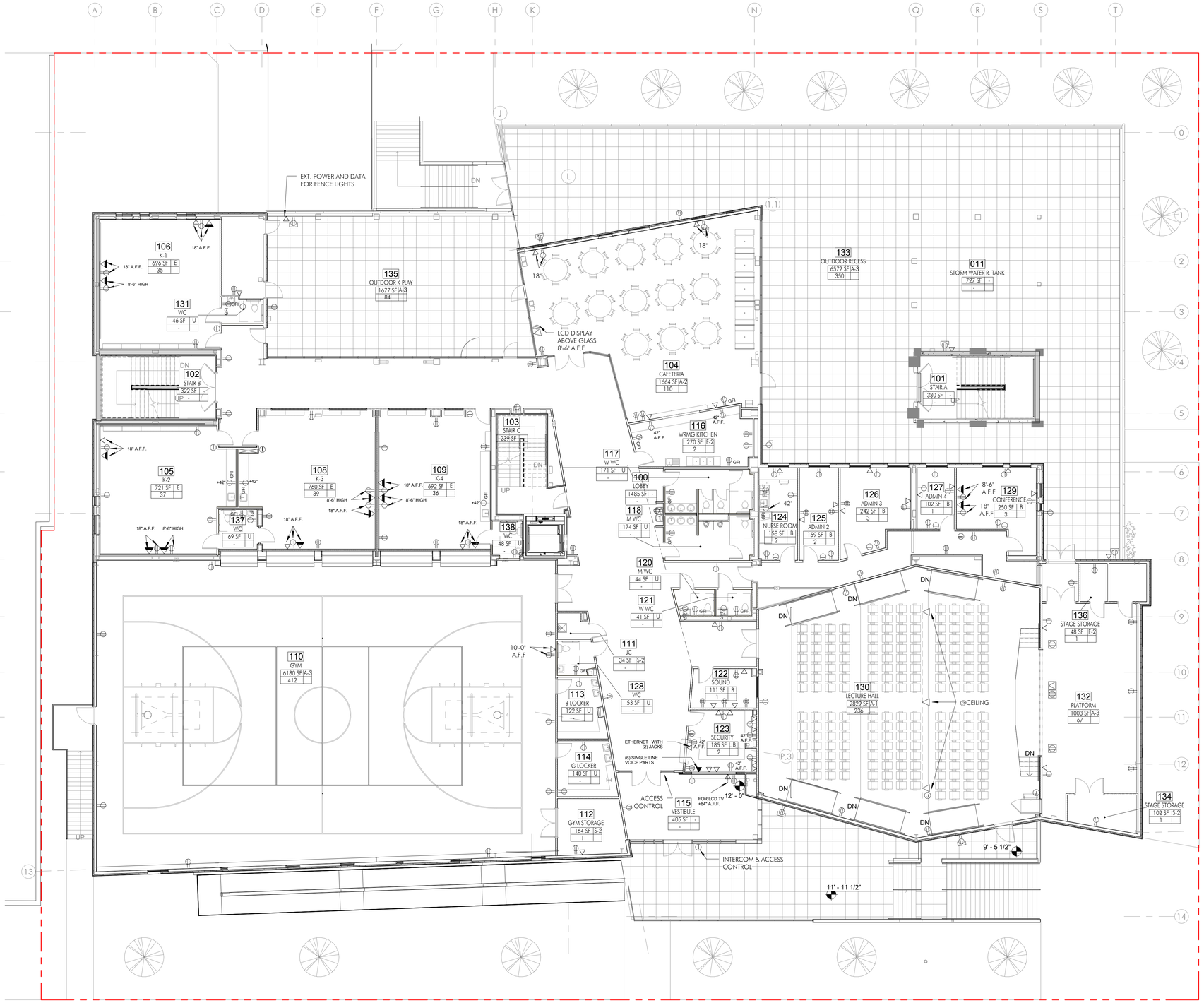
GROUND LEVEL POWER & DATA PLAN

SEAL & SIGNATURE

DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	EE
CHECKED BY:	RS
DRAWING NO:	A-120.00
CADD FILE NO: J:\Proj2013\607 BASIS	24 of 272

1 GROUND LEVEL PLAN

SCALE 3/32" = 1'-0"



GENERAL NOTES

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B. REFER TO ELECTRICAL DRAWINGS FOR LIGHT SWITCH AND ELECTRICAL & NETWORK RECEPTACLE LAYOUT.

C. ALL CEILING MOUNTED ACCOUSTICAL CLOUDS TO BE @ THE SAME HEIGHT AS LIGHTING FIXTURES.

POWER - DATA LEGEND

QTY.		
103		DUPLEX, 18" A.F.F. *
19	GFI	OUTLET - GFI, 3' 6" A.F.F *
9		QUADRUPLEX, 18" A.F.F *
3		FLOOR DUPLEX
1		FLOOR SINGLE DATA JACK
14		DATA/HDMI PORT
40		DUAL DATA CAT 6, 18" A.F.F *
1		SINGLE DATA PORT, 18" A.F.F*
7		WEATHERPROOF EXTERIOR OUTLET
12		INTERCOM
2		JUNCTION BOX
-		FLOOR DATA/HDMI PORT
-		CALL BOX
1		TELEPHONE
-	C	CLOCK
11		WIRELESS ACCESS POINT @CEILING
-		POWER REEL ATTACHED TO UNI-STRUT
11	S	SPEAKER / PA

* UNLESS OTHERWISE NOTED

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DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
1.5	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-1
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT

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BROOKLYN, NY 11231

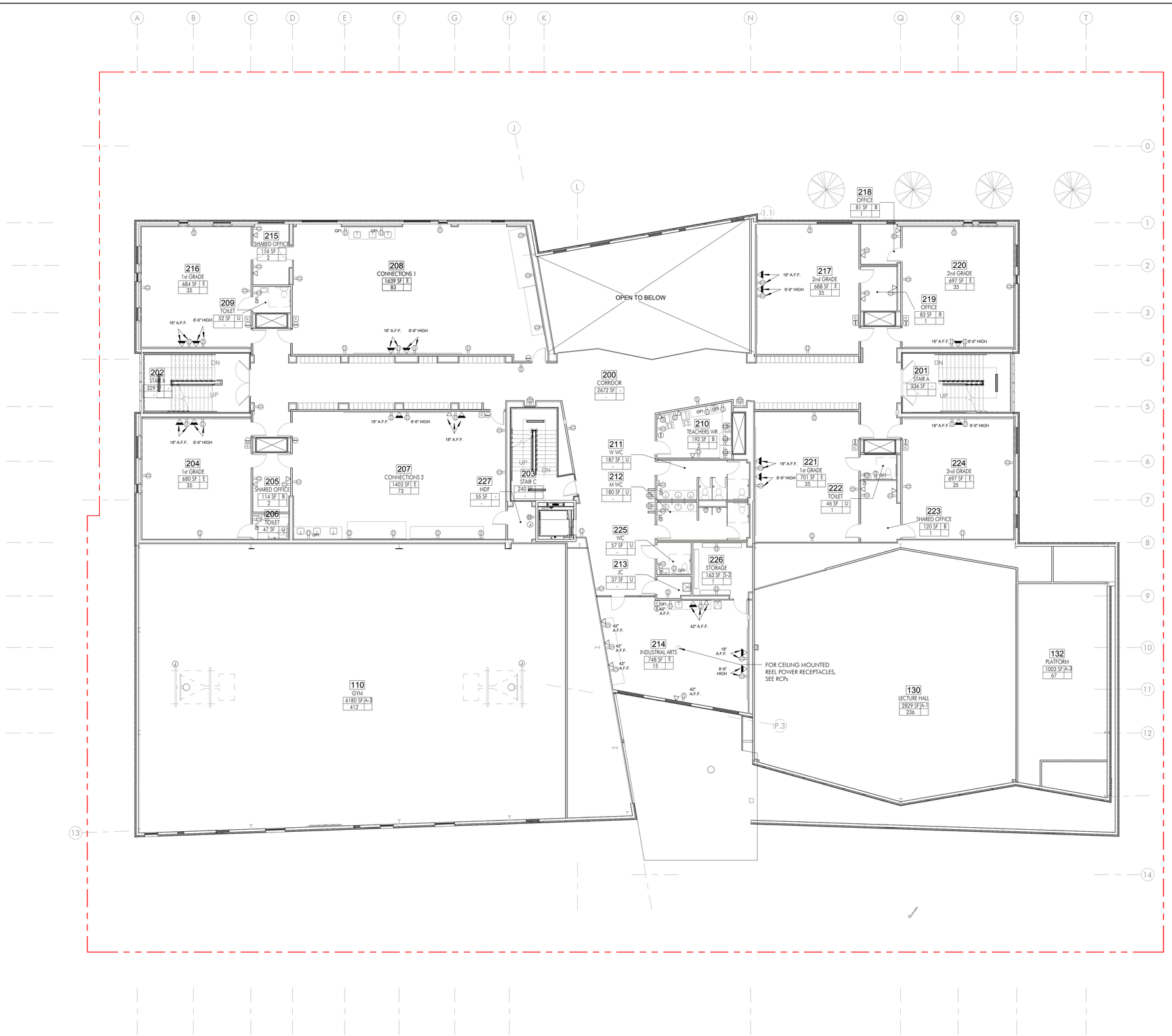
LEVEL 1 POWER & DATA PLAN

SEAL & SIGNATURE

DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	EE
CHECKED BY:	SVG
DRAWING NO:	A-121.00
CADD FILE NO: J:\Proj2013\607 BASIS	35 of 272

1 LEVEL 1 FLOOR PLAN

SCALE 3/32" = 1'-0"



GENERAL NOTES

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B. REFER TO ELECTRICAL DRAWINGS FOR LIGHT SWITCH AND ELECTRICAL & NETWORK RECEPTACLE LAYOUT.

C. ALL CEILING MOUNTED ACCOUSTICAL CLOUDS TO BE @ THE SAME HEIGHT AS LIGHTING FIXTURES.

QTY.	POWER - DATA LEGEND
84	DUPLEX, 18" A.F.F. *
14	OUTLET - GFI, 3' 6" A.F.F *
1	QUADRUPLEX, 18" A.F.F *
-	FLOOR DUPLEX
-	FLOOR SINGLE DATA JACK
17	DATA/HDMI PORT
19	DUAL DATA CAT 6, 18" A.F.F *
-	SINGLE DATA PORT, 18" A.F.F*
-	WEATHERPROOF EXTERIOR OUTLET
12	INTERCOM
3	JUNCTION BOX
-	FLOOR DATA/HDMI PORT
-	CALL BOX
-	TELEPHONE
9	CLOCK
19	WIRELESS ACCESS POINT @CEILING
-	POWER REEL ATTACHED TO UNI-STRUT
27	SPEAKER / PA

* UNLESS OTHERWISE NOTED

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ISS/REV	DATE	ISSUED TO	DESCRIPTION
1.5	06/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
9	04/11/2014	CLIENT AND CONTRACTOR	BULLETIN 1
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-1
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT

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LEVEL 2 POWER & DATA PLAN

SEAL & SIGNATURE

DATE:	04/11/2014
PROJECT NO.:	13-607
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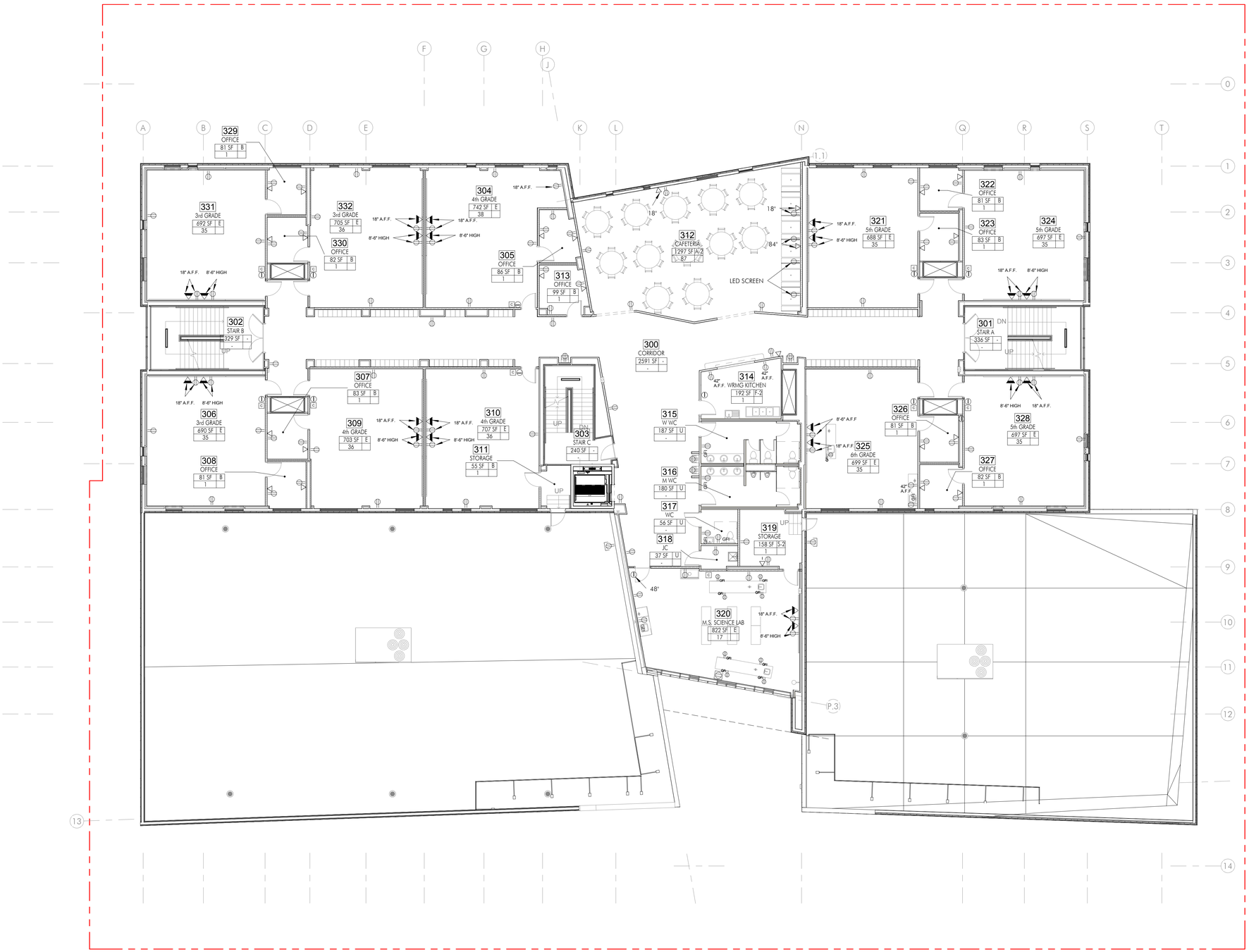
CHECKED BY:	RS
DRAWING NO:	A-122.00
CADD FILE NO: J:\Proj2013\607 BASIS	36 of 272

1 LEVEL 2 FLOOR PLAN

SCALE 3/32" = 1'-0"



GENERAL NOTES

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B. REFER TO ELECTRICAL DRAWINGS FOR LIGHT SWITCH AND ELECTRICAL & NETWORK RECEPTACLE LAYOUT.

C. ALL CEILING MOUNTED ACCOUSTICAL CLOUDS TO BE @ THE SAME HEIGHT AS LIGHTING FIXTURES.

POWER - DATA LEGEND

QTY.		
102		DUPLEX, 18" A.F.F. *
15	GFI	OUTLET - GFI, 3' 6" A.F.F *
-		QUADRUPLEX, 18" A.F.F *
1		FLOOR DUPLEX
-		FLOOR SINGLE DATA JACK
22		DATA/HDMI PORT
24		DUAL DATA CAT 6, 18" A.F.F *
1		SINGLE DATA PORT, 18" A.F.F*
2		WEATHERPROOF EXTERIOR OUTLET
13		INTERCOM
-		JUNCTION BOX
-		FLOOR DATA/HDMI PORT
-		CALL BOX
-		TELEPHONE
11	C	CLOCK
13	W	WIRELESS ACCESS POINT @CEILING
3		POWER REEL ATTACHED TO UNI-STRUT
18	S	SPEAKER / PA

* UNLESS OTHERWISE NOTED

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DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
1.5	06/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
9	04/11/2014	CLIENT AND CONTRACTOR	BULLETIN 1
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-1
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT

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BROOKLYN, NY 11231

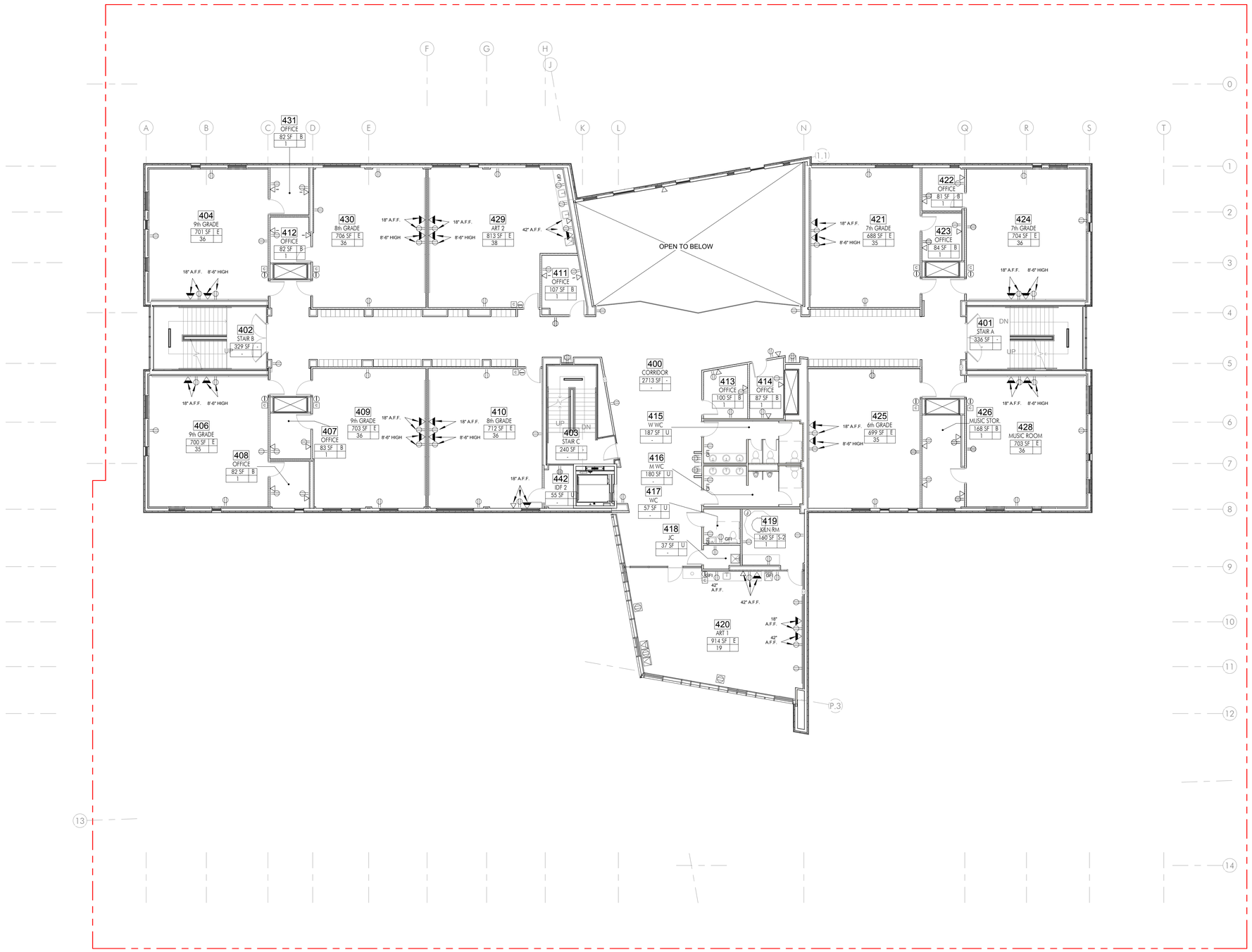
LEVEL 3 POWER & DATA PLAN

SEAL & SIGNATURE

DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	EE
CHECKED BY:	RS
DRAWING NO:	A-123.00
CADD FILE NO: J:\Proj2013\607 BASIS	37 of 272

1 LEVEL 3 FLOOR PLAN

SCALE 3/32" = 1'-0"



GENERAL NOTES

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B. REFER TO ELECTRICAL DRAWINGS FOR LIGHT SWITCH AND ELECTRICAL & NETWORK RECEPTACLE LAYOUT.

C. ALL CEILING MOUNTED ACCOUSTICAL CLOUDS TO BE @ THE SAME HEIGHT AS LIGHTING FIXTURES.

QTY.	POWER - DATA LEGEND
101	DUPLEX, 18" A.F.F. *
7	OUTLET - GFI, 3' 6" A.F.F *
1	QUADRUPLEX, 18" A.F.F *
3	FLOOR DUPLEX
1	FLOOR SINGLE DATA JACK
25	DATA/HDMI PORT
26	DUAL DATA CAT 6, 18" A.F.F *
6	SINGLE DATA PORT, 18" A.F.F*
-	WEATHERPROOF EXTERIOR OUTLET
11	INTERCOM
1	JUNCTION BOX
1	FLOOR DATA/HDMI PORT
-	CALL BOX
-	TELEPHONE
11	CLOCK
11	WIRELESS ACCESS POINT @CEILING
-	POWER REEL ATTACHED TO UNI-STRUT
20	SPEAKER / PA

* UNLESS OTHERWISE NOTED

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phone 520.577.4560 www.cca-az.com

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DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
1.5	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-1
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT

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NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

556 COLUMBIA STREET
BROOKLYN, NY 11231

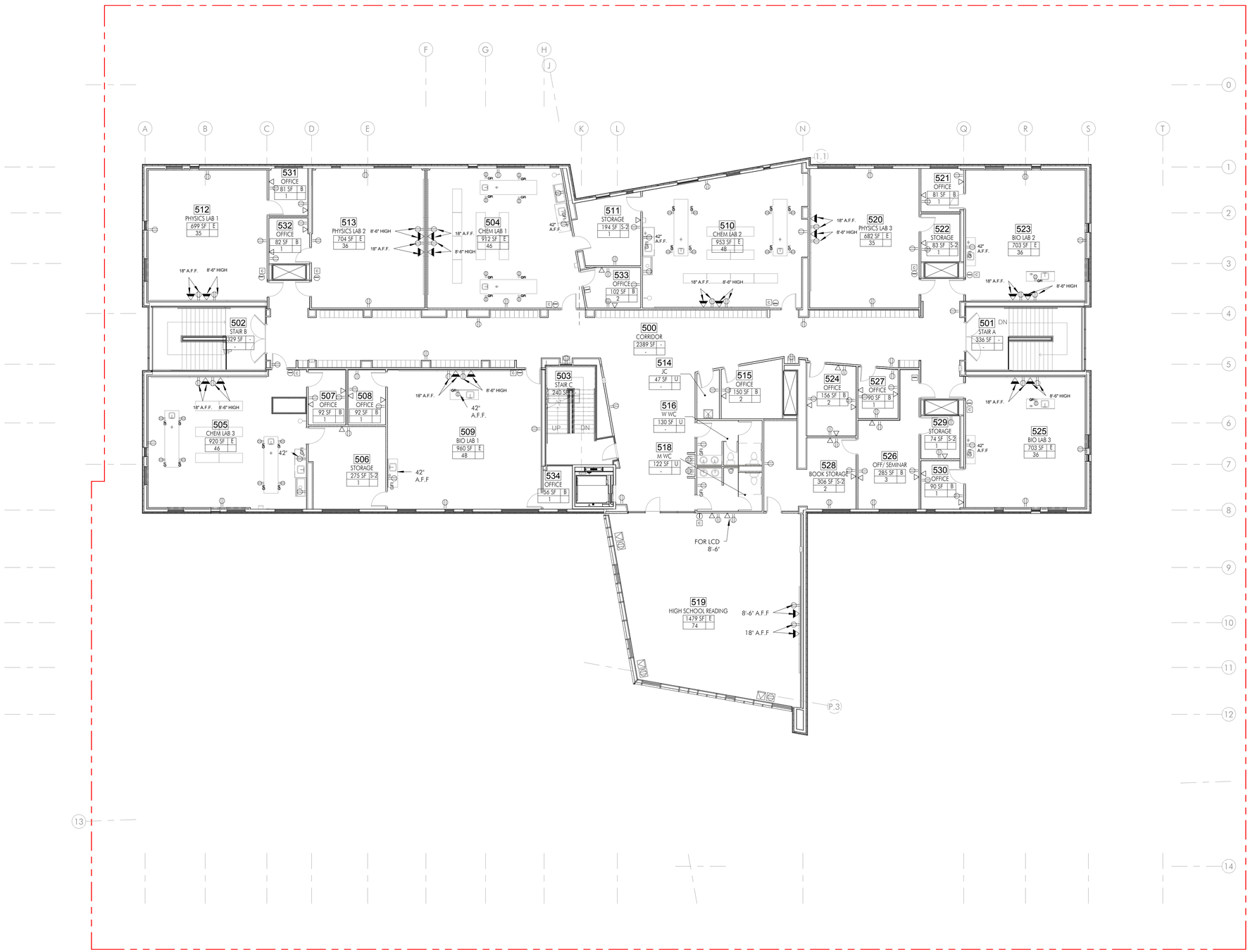
LEVEL 4 POWER & DATA PLAN

SEAL & SIGNATURE

DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	EE
CHECKED BY:	RS
DRAWING NO:	A-124.00
CADD FILE NO: J:\Pro2013\607 BASIS	38 of 272

1 LEVEL 4 FLOOR PLAN

SCALE 3/32" = 1'-0"



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B. REFER TO ELECTRICAL DRAWINGS FOR LIGHT SWITCH AND ELECTRICAL & NETWORK RECEPTACLE LAYOUT.

C. ALL CEILING MOUNTED ACCOUSTICAL CLOUDS TO BE @ THE SAME HEIGHT AS LIGHTING FIXTURES.

QTY.	POWER - DATA LEGEND
99	DUPLEX, 18" A.F.F. *
35	OUTLET - GFI, 3' 6" A.F.F *
-	QUADRUPLEX, 18" A.F.F *
3	FLOOR DUPLEX
3	FLOOR SINGLE DATA JACK
20	DATA/HDMI PORT
33	DUAL DATA CAT 6, 18" A.F.F *
-	SINGLE DATA PORT, 18" A.F.F*
-	WEATHERPROOF EXTERIOR OUTLET
10	INTERCOM
-	JUNCTION BOX
-	FLOOR DATA/HDMI PORT
-	CALL BOX
-	TELEPHONE
10	CLOCK
12	WIRELESS ACCESS POINT @CEILING
9	POWER REEL ATTACHED TO UNI-STRUT
18	SPEAKER / PA

* UNLESS OTHERWISE NOTED

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ALL THE PROJECT FLOOR ELEVATIONS HAVE BEEN REVISED TO REFLECT N.A.V.D. 1988 STANDARD.(1.46' ABOVE BROOKLYN TOPOGRAPHICAL BUREAU.)

DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
9	04/11/2014	CLIENT AND CONTRACTOR	BULLETIN 1
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-I
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT

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556 COLUMBIA STREET
BROOKLYN, NY 11231

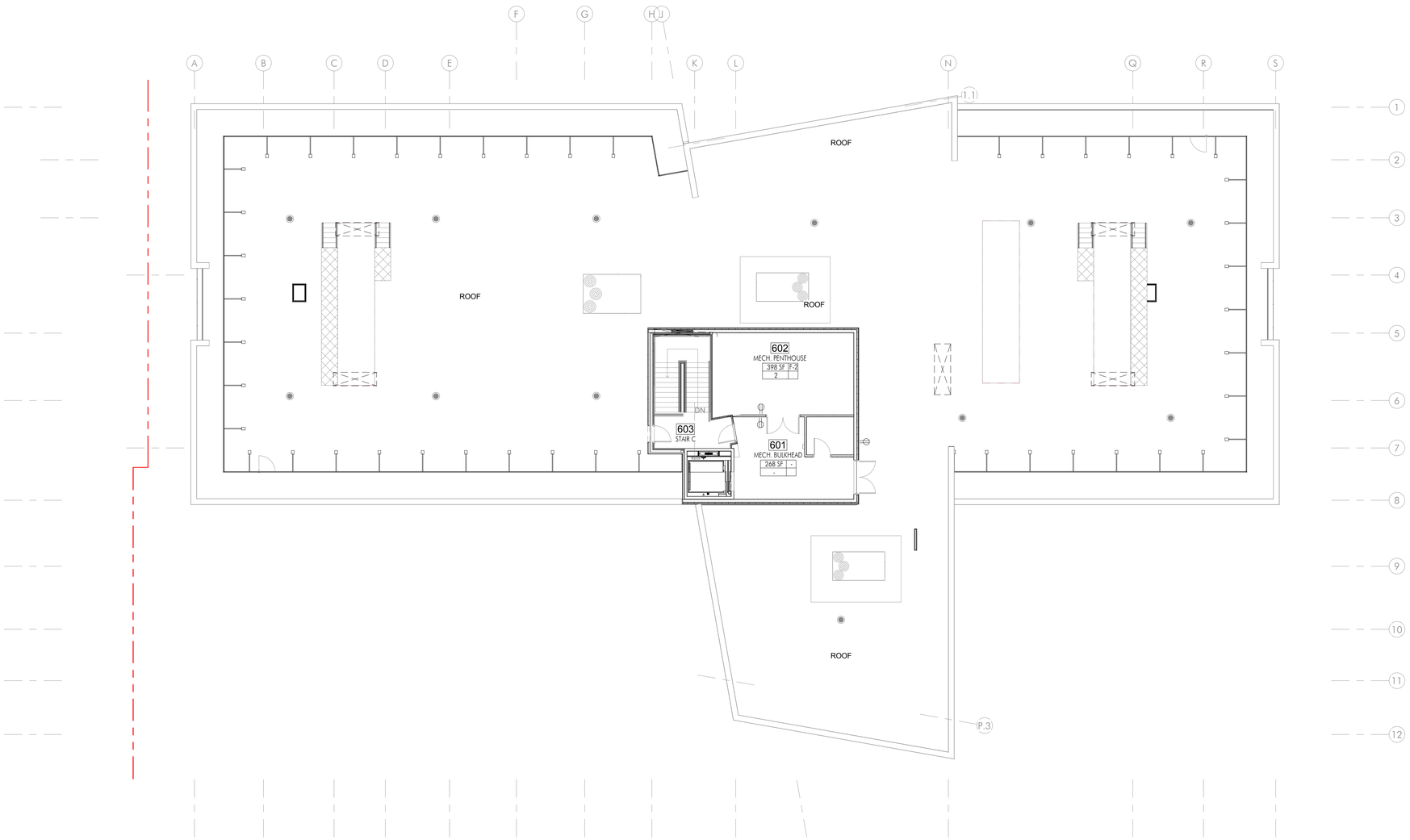
LEVEL 5 POWER & DATA PLAN

SEAL & SIGNATURE

DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	EE
CHECKED BY:	RS
DRAWING NO:	A-125.00
CADD FILE NO: J:\Pro2013\607 BASIS	39 of 272

1 LEVEL 5 FLOOR PLAN

SCALE 3/32" = 1'-0"



GENERAL NOTES

A. MEP DEVICES SHOWN FOR CEILING LAYOUT COORDINATION ONLY. REFER TO MEP DWGS.

B. REFER TO ELECTRICAL DRAWINGS FOR LIGHT SWITCH AND ELECTRICAL & NETWORK RECEPTACLE LAYOUT.

C. ALL CEILING MOUNTED ACCOUSTICAL CLOUDS TO BE @ THE SAME HEIGHT AS LIGHTING FIXTURES.

QTY.	POWER - DATA LEGEND	
3		DUPLEX, 18" A.F.F. *
-	GFI	OUTLET - GFI, 3' 6" A.F.F *
-		QUADRUPLEX, 18" A.F.F *
-		FLOOR DUPLEX
-		FLOOR SINGLE DATA JACK
-		DATA/HDMI PORT
-		DUAL DATA CAT 6, 18" A.F.F *
-		SINGLE DATA PORT, 18" A.F.F*
-		WEATHERPROOF EXTERIOR OUTLET
-		INTERCOM
-		JUNCTION BOX
-		FLOOR DATA/HDMI PORT
-		CALL BOX
-		TELEPHONE
-	C	CLOCK
-	W	WIRELESS ACCESS POINT @CEILING
-	P	POWER REEL ATTACHED TO UNI-STRUT
-	S	SPEAKER / PA

* UNLESS OTHERWISE NOTED

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1.5	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION I
7	01/17/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE-II
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-I
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BROOKLYN, NY 11231

ROOF POWER & DATA PLAN

SEAL & SIGNATURE

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CHECKED BY:	RS
DRAWING NO:	A-126.00
CADD FILE NO: J:\Proj2013\607 BASIS	40 of 272

1 POWER PLAN ROOF LEVEL

SCALE 3/32" = 1'-0"

FINISH SPECIFICATIONS

FLOOR

CPT TEXTILE ALTERNATIVE SHEET FLOORING
MFR: FORBO
COLLECTION: FLOTEX, SENYA
COLOR: GREY
4" COVE BASE: MFR: MANNINGTON
COLLECTION: MANNINGTON EDGE
COLOR: IRON 908
NOTES:

LVT LUXURY VINYL PLANK: MFR: AMTICO
COLLECTION: ABSTRACTS
COLOR: LINEAR GRAPHITE
4" COVE BASE: MFR: MANNINGTON
COLLECTION: MANNINGTON EDGE
COLOR: IRON 908
NOTES:

T1 RESTROOM FLOOR TILE: MFR: DALTILE
COLLECTION: PORCEALTO
COLOR: OSSIDIANA
FINISH: UNPOLISHED
SIZE: 12" X 12"
INSTALATION PATTERN: STACK
GROUT: MFR: CUSTOM GROUT SOLUTIONS
COLOR: 60 CHARCOAL
NOTES:

WDF WOOD SPORTS FLOORING: MFR: AACER
COLLECTION: AACER FLEX
COLOR: MAPLE
7/16" ECODIN PAD, 1/2" TRIPOWER PAD
25/32" FLOORING - 2 1/8"
4" COVE BASE MFR: MANNINGTON
COLLECTION: MANNINGTON EDGE
COLOR: IRON 908
NOTES: 4 SEALANT COATS TO BE APPLIED

CT PAINTED CONCRETE
NOTES: PAINT WITH P5 @ PLATFORM
4" COVE BASE MFR: MANNINGTON
COLLECTION: MANNINGTON EDGE
COLOR: IRON 908
NOTES: WALL BASE COLOR TO BE 901 NIGHT BLACK @ PLATFORM

RBR RUBBER STAIR TREADS WITH INTEGRATED RISERS: MFR: MANNINGTON
COLLECTION: LINEAR STAIR TREADS
COLOR: 908 IRON
STRINGER COLOR: TBD
VISUALLY IMPAIRED STRIP: BLACK GRIT TAPE
NOTES:

WOM RECESSED WALK-OFF MAT
MFR: MANNINGTON
COLLECTION: RUFFIAN
COLOR: EBONY 1506
4" COVE BASE MFR: MANNINGTON
COLLECTION: MANNINGTON EDGE
COLOR: IRON 908
NOTES:

CRV CHEMICAL RESISTANT VINYL SHEET
MFR: ALTRO
COLLECTION: ALTRO SUPREMA
COLOR: FOSSIL SUI2067
NOTES: 4" VINYL SHEET COVE BASE

RBT1 PLAYGROUND RUBBER TILE
MFR:JAMBOREE
COLLECTION:DESIGNER SERIES
SIZE:2'X2'
COLOR: GRANITE PEAK
THICKNESS: 2.5"(6 FOOT FALL)
REDUCER (EDGE) HEIGHT: 2.5"
COLOR: ROCK CANDY

RBT2 PLAYGROUND RUBBER TILE
MFR:JAMBOREE
COLLECTION:DESIGNER SERIES
SIZE:2'X2'
COLOR: GRAY
THICKNESS: 2.5"(6 FOOT FALL)
REDUCER (EDGE) HEIGHT: 2.5"
COLOR: ROCK CANDY

RBT3 PLAYGROUND RUBBER TILE
MFR:JAMBOREE
COLLECTION:DESIGNER SERIES
SIZE:2'X2'
COLOR: CHERRY BLAST
THICKNESS: 2.5"(6 FOOT FALL)
REDUCER (EDGE) HEIGHT: 2.5"
COLOR: ROCK CANDY

PTW PAINTED WOOD FLOOR
MFR: TBD
COLOR:P5

WALL

P1 FIELD PAINT: MFR: SHERWIN WILLIAMS
COLOR: SITE WHITE SW7070
FINISH: EGGSHELL (2 COATS)
NOTES:

P2 ACCENT PAINT: MFR: SHERWIN WILLIAMS
COLOR: HEARTTHROB SW6866
FINISH: EGGSHELL (2 COATS)
NOTES:

P3 ACCENT PAINT: MFR: SHERWIN WILLIAMS
COLOR: ARGOS SW7065
FINISH: EGGSHELL (2 COATS)
NOTES:

P4 ACCENT PAINT: MFR: SHERWIN WILLIAMS
COLOR: GRIZZLE GRAY SW7068
FINISH: EGGSHELL (2 COATS)
NOTES:

P5 STAGE CEILING/FLOOR PAINT
MFR: SHERWIN WILLIAMS
COLOR: TRICORN BLACK SW6258
FINISH: EGGSHELL (2 COATS)
NOTES:

T2 FIELD WALL TILE: MFR: MARAZZI
COLLECTION: SISTEM C ARCHITETTURA
COLOR: BIANCO
SIZE: 4" X 12"
GROUT: MFR: CUSTOM GROUT SOLUTIONS
COLOR: 165 DELOREAN GRAY
NOTES: SEE A-706

T3 ACCENT WALL TILE: MFR: MARAZZI
COLLECTION: SISTEM C ARCHITETTURA
COLOR: CEMENTO
SIZE: 4" x 12"
GROUT: CUSTOM GROUT SOLUTIONS
COLOR: 165 DELOREAN GRAY
NOTES: SEE A-706

T4 ACCENT WALL TILE: MFR: MARAZZI
COLLECTION: SISTEM C ARCHITETTURA
COLOR: NERO
SIZE: 4" x 12"
GROUT: CUSTOM GROUT SOLUTIONS
COLOR: 165 DELOREAN GRAY
NOTES: SEE A-706

P6 ACCENT PAINT: MFR: SHERWIN WILLIAMS
COLOR: ROCK BOTTOM SW7062
FINISH: EGGSHELL (2 COATS)

FCP FIBER CEMENT PANELS: MFR: JAMES HARDIE
COLLECTION: HARDIE PLANK WITH COLOR PLUS TECHNOLOGY
TEXTURE: SMOOTH
SIZE: VARIES, SEE ELEVATIONS
COLOR: IRON GRAY

FRP FIBERGLASS REINFORCED PANE: MFR: TBD
SERIES: TBD
COLOR: TBD
NOTES: FULL HEIGHT @ WARMING KITCHENS

WDP WALL WOOD PANELS: MFR: TBD
FINISH: MAPLE CLEAR OR EQ. (DOOR FINISH)
SIZE: TBD
NOTES:

WP GYM WALL PADDING: MFR: TBD
COLOR: GREY
SIZE: TBD
NOTES:

CEILING

EXP PAINTED EXPOSED CEILING
MFR:SHERWIN WILLIAMS
COLOR: ROCK BOTTOM SW7062
FINISH: FLAT (2 COATS)
NOTES:

ICT INSULATED CEILING TILE
MFR: ROCKFON
MODEL: FACETT 4"
SIZE: 2'x4'
COLOR: WHITE
GRID: CHICAGO METALLIC TEMPRA 4000
9/16" EXPOSED

ACT VINYL LAMINATED ACOUSTIC CEILING TILE
MFR: USG OR EQUAL
MODEL: TBD
SIZE: TBD
COLOR: WHITE
GRID: TBD
NOTES: @ KITCHEN

FCP FIBER CEMENT PANEL: MFR: JAMES HARDIE
TYPE: TBD
TEXTURE: SMOOTH
SIZE: VARIES, SEE ELEVATIONS
COLOR: COBBLE STONE
NOTES: @ PATIO

GB WATER RESISTANT GYPSUM BOARD
TEXTURE: SMOOTH
PAINT: MFR: SHERWIN WILLIAMS
COLOR: SITE WHITE SW7070
FINISH: LOW SHEEN (2 COATS)
NOTES: @ RESTROOMS

CNP1 ACOUSTIC CLOUD
MFR: ACOUSTICAL SOLUTIONS
COLLECTION: ACOUSTICLOUDS
SIZE: 4' X 8'
COLOR: 2084 GERANIUM
NOTES:@THEATRE

CNP2 ACOUSTIC CLOUD
MFR: ACOUSTICAL SOLUTIONS
COLLECTION: ACOUSTICLOUDS
SIZE: 4' X 4'
COLOR: 2084 GERANIUM
NOTES:@THEATRE & ASSEMBLY ROOM

CNP3 ACOUSTIC CLOUDS
MFR: ACOUSTICAL SOLUTIONS
COLLECTION: WHISPERWAVE
COLOR: HPC COATED WHITE
SIZE: 2' X 4'
NOTES:K-CLASSROOMS

CNP4 ACOUSTIC CLOUD
MFR: ACOUSTICAL SOLUTIONS
COLLECTION: ACOUSTICLOUDS
SIZE: 4' X 4'
COLOR: 2084 GERANIUM
NOTES:@ASSEMBLY ROOM

MISC.

PL1 MILLWORK PLASTIC LAMINATE
MFR: WILSONART
COLOR: CARBON MESH
NOTES: CABINETS

PL2 COUNTERTOP PLASTIC LAMINATE
MFR: WILSONART
COLOR: 4941 COSMIC STRANDZ
NOTES: COUNTERTOP P-LAM

SS SOLID SURFACE
MFR: LG HAUSYS, HI-MACS
COLOR: WHITE QUARTZ
COUNTERTOP EDGE: 1/8" ROUNDUP

SS1 CHEMICAL RESISTANT RESIN SOLID SURFACE:
MFR: TBD
GAUGE: 1"
COLOUR/FINISH: BLACK EPOXY
NOTES:

SS2 STAINLESS STEEL SURFACE
MFR: TBD
COUNTERTOP EDGE: 1/8" ROUNDUP

WALL BASE

GENERAL NOTES

1. FINISH MANUFACTURERS, PATTERNS, AND COLORS INDICATED ARE INTENDED TO ESTABLISH MINIMUM ACCEPTABLE DESIGN PARAMETERS. ACCEPTABLE ALTERNATE MANUFACTURERS ARE LISTED IN THE SPECIFICATIONS AND MAY BE ACCEPTED OR REJECTED BY THE ARCHITECT ON THE BASIS OF AESTHETIC CRITERIA ALONE.

2. PROVIDE RUBBER TRANSITION STRIPS WHERE FLOOR FINISHES CHANGE. MFR:MANNINGTON OR EQ., COLOR: TBD

3. ALL FLOORING MATERIALS TO MEET AT CENTER OF DOORWAY, U.N.O.

4. ALL FLOORING MATERIALS CONTINUE UNDER CASEWORK TO TOE KICK OR UNDER OPEN COUNTER TO WALL.

5. PAINT ALL WALLS FIELD COLOR UNLESS NOTED OTHERWISE

6. PAINT ALL DOOR FRAMES, MFR: SHERWIN WILLIAMS, COLOR: GRIZZLE GRAY SW7068, FINISH: SEMI-GLOSS.

7. ALL HANDRAILS TO BE HAMMERTITE GREY

8. 60" A.F.F. T2 WAINSCOT TO BE APPLIED ON MOP SINK'S SURROUNDING WALLS. +6" BEYOND PLUMBING FIXTURE EDGE.

9. ALL EXPOSED STRUCTURAL BRACING TO BE PAINTED.MFR:SHERWIN WILLIAMS, COLOR: GRIZZLE DRAY SW7068, FINISH: SEMI-GLOSS

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DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
9	04/11/2014	CLIENT AND CONTRACTOR	BULLETIN 1
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	01/17/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE-II
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FINISH SCHEDULE & LEGEND

SEAL & SIGNATURE

DATE: 04/11/2014
PROJECT NO.: 13-607
DRAWN BY: TE
CHECKED BY: RS
DRAWING NO:
A-130.00

CADD FILE NO:
J:\Proj2013\607 BASIS

1 AVERAGE GROUND LEVEL

SCALE 3/32" = 1'-0"

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4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
2	10/18/2013	OWNER	OWNER REVIEW

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GROUND LEVEL FINISH PLAN

SEAL & SIGNATURE

DATE: 04/11/2014
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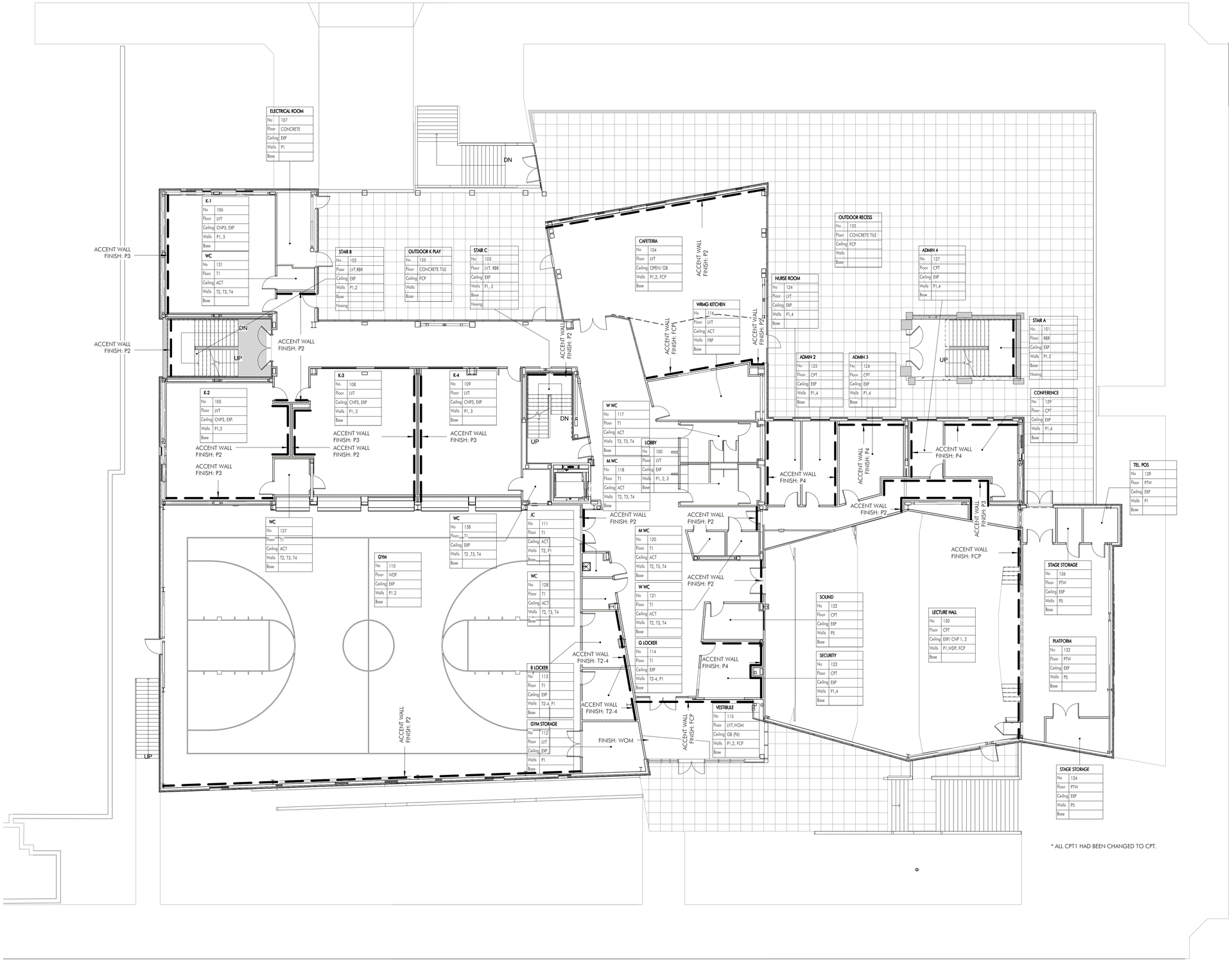

* ALL CPT1 HAD BEEN CHANGED TO CPT.

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LEVEL 1 FINISH PLAN

SEAL & SIGNATURE

DATE: 04/11/2014
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DRAWN BY: TE
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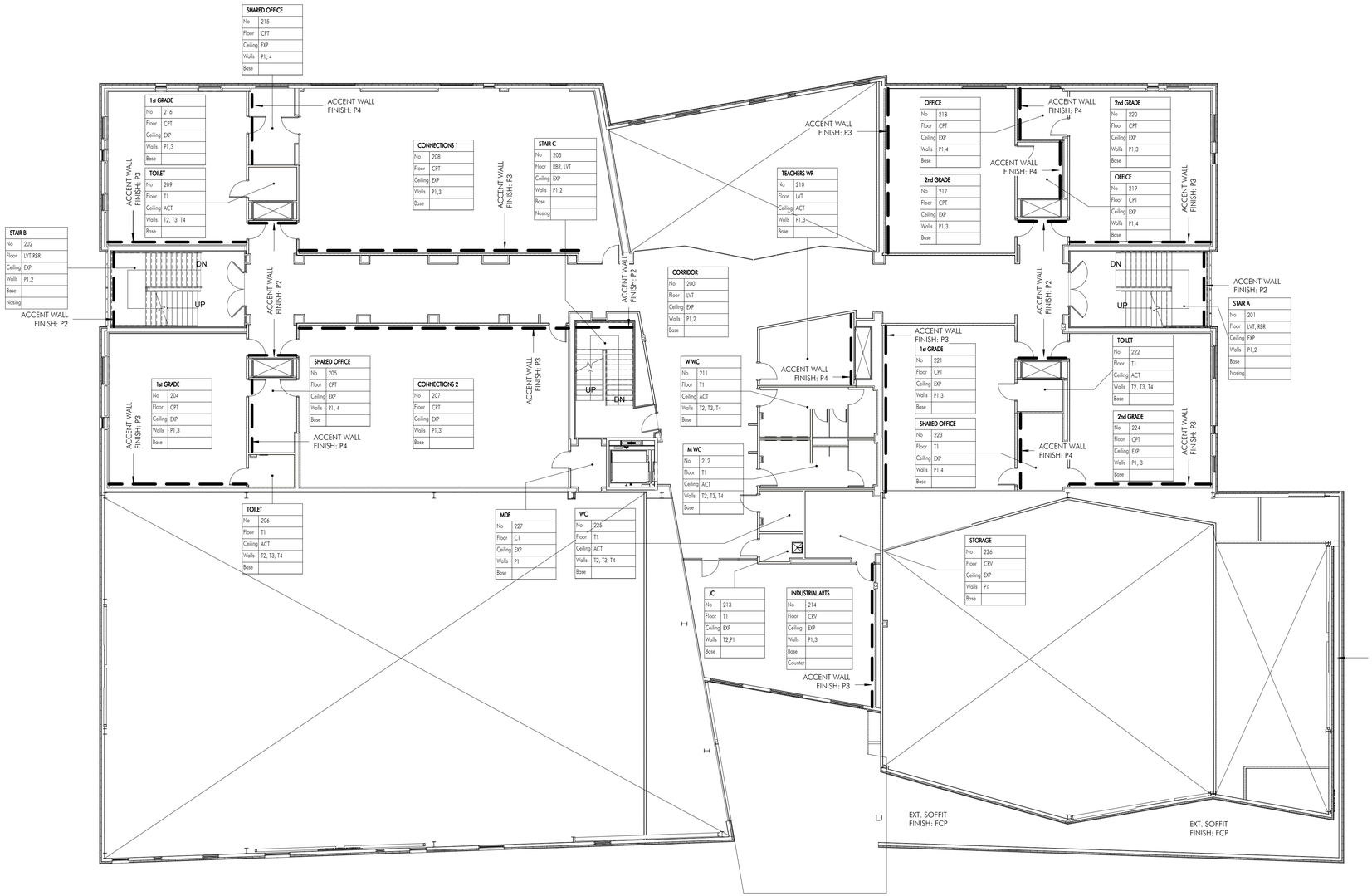
DRAWING NO:
A-132.00

CADD FILE NO:
J:\Pro2013\607 BASIS



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8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	01/17/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE-II
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LEVEL 2 FINISH PLAN

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DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	TE
CHECKED BY:	RS
DRAWING NO:	A-133.00
CADD FILE NO: J:\Proj2013\607 BASIS	44 of 272

* ALL CPT1 HAD BEEN CHANGED TO CPT.

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phone 520.577.4560 www.cca-az.com

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DOB BSCAN

ISS/REV	DATE	DESCRIPTION
15	05/22/2014	ISSUED FOR PERMIT
9	04/11/2014	BULLETIN 1
8	03/07/2014	CONSTRUCTION
7	01/17/2014	ADD ALTERNATE-I
6	12/27/2013	ADD ALTERNATE-II
5	12/13/2013	ISSUED FOR BIDDING
4	11/18/2013	ISSUED FOR BIDDING
2	10/18/2013	OWNER REVIEW

ISSUED TO	DEPARTMENT OF BUILDING
OWNER	CLIENT AND CONSULTOR
	CLIENT AND CONTRACTOR
	CLIENT AND CONTRACTOR
	CLIENT AND CONTRACTOR
	CLIENT AND CONTRACTOR
	CLIENT AND CONTRACTOR
	CLIENT AND CONTRACTOR

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556 COLUMBIA STREET
BROOKLYN, NY 11231

LEVEL 3 FINISH PLAN

SEAL & SIGNATURE

DATE: 04/11/2014
PROJECT NO.: 13-607
DRAWN BY: TE
CHECKED BY: RS
DRAWING NO:
A-134.00
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* ALL CPT1 HAD BEEN CHANGED TO CPT.

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DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
9	04/11/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE-11
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	01/17/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE-II
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-I
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
2	10/18/2013	OWNER	OWNER REVIEW

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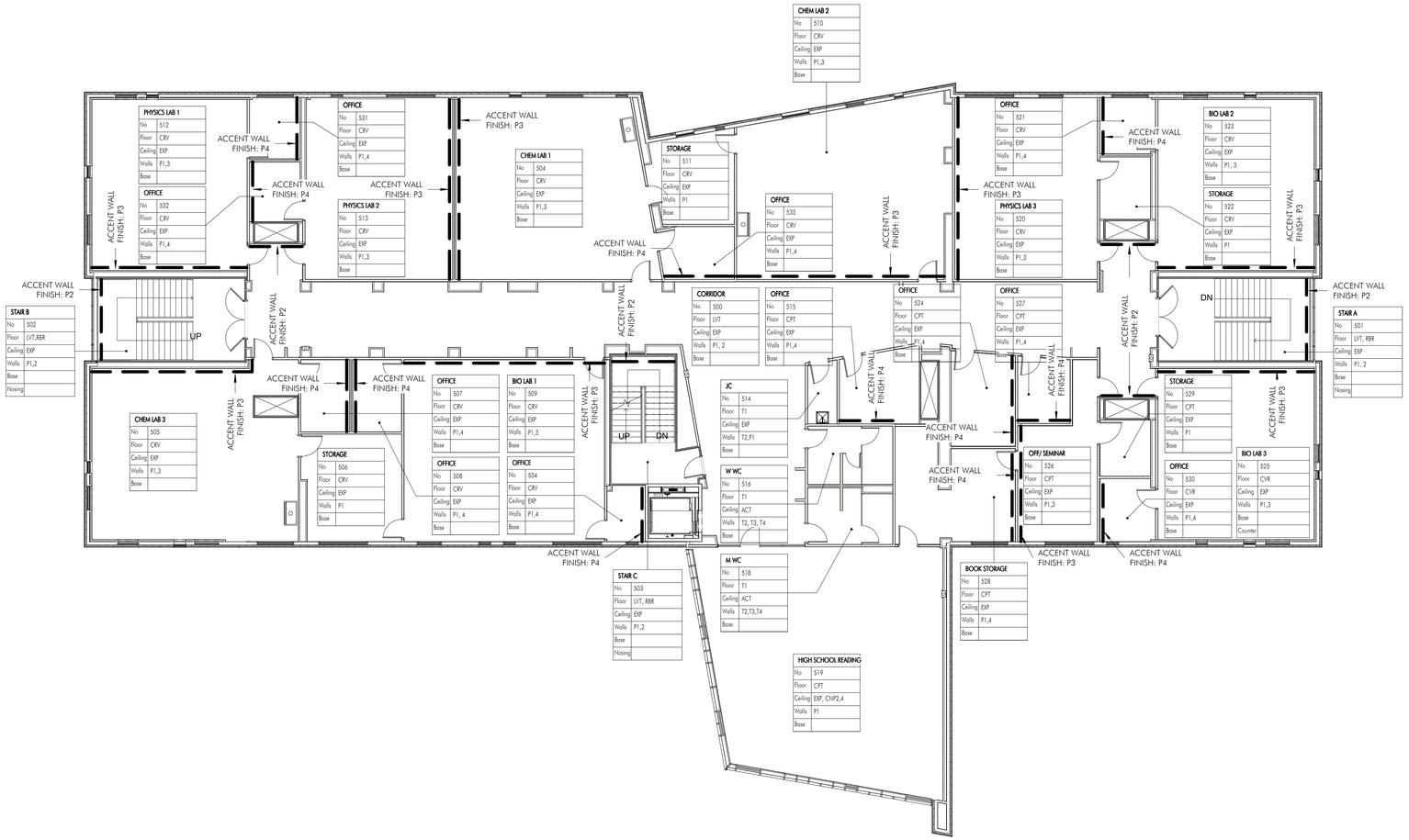
LEVEL 4 FINISH PLAN

SEAL & SIGNATURE

DATE: 04/11/2014
PROJECT NO.: 13-607
DRAWN BY: TE
CHECKED BY: RS
DRAWING NO:
A-135.00
CADD FILE NO: J:\Proj2013\607 BASIS



* ALL CPT1 HAD BEEN CHANGED TO CPT.

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DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
1.5	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
9	04/11/2014	CLIENT AND CONTRACTOR	BUILDER'S SET
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	01/17/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE-II
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-I
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
2	10/18/2013	OWNER	OWNER REVIEW

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LEVEL 5 FINISH PLAN

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DATE:	04/11/2014
PROJECT NO.:	13-607
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DRAWING NO:	A-136.00
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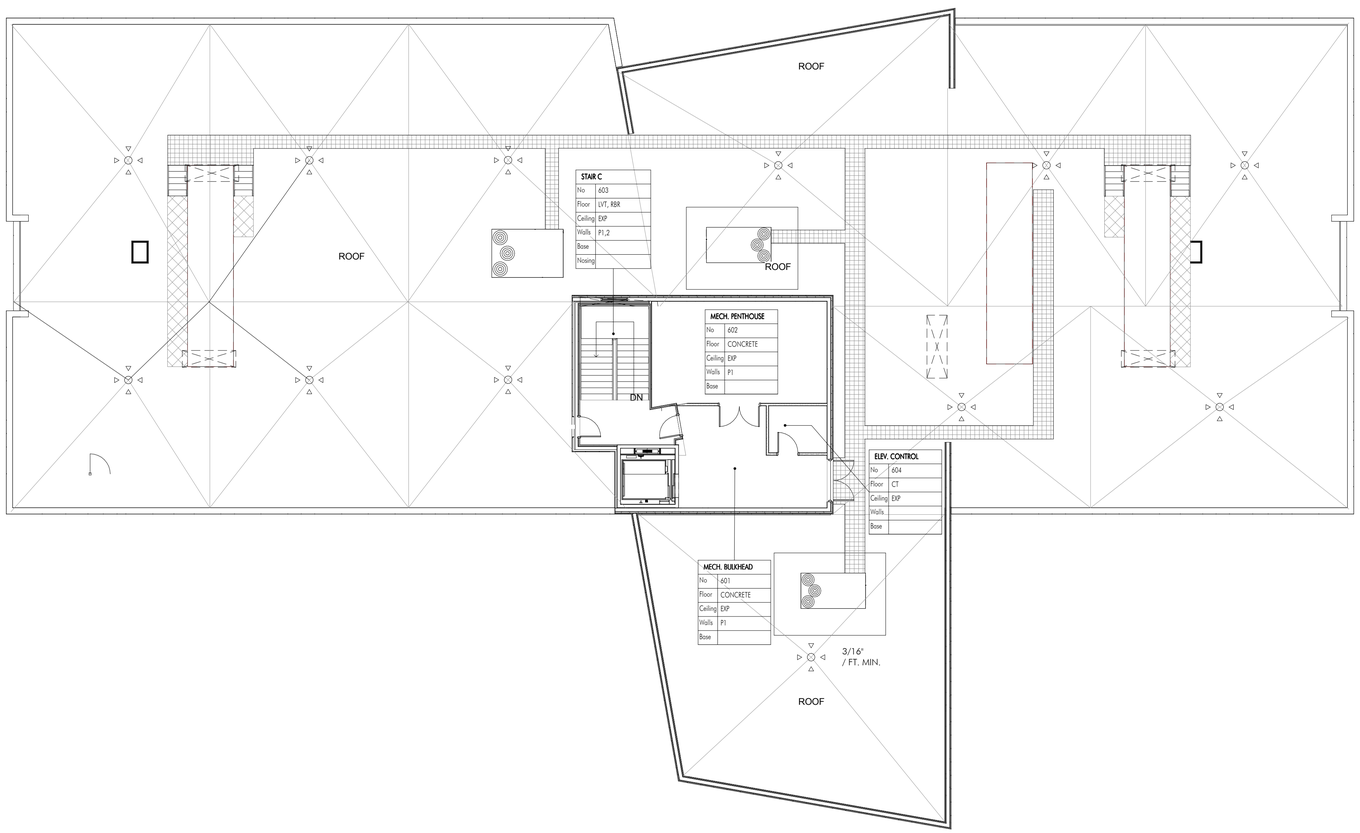

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DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	01/17/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE-II
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-I
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING

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ROOF LEVEL FINISH PLANS

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PROJECT NO.: 13-607
DRAWN BY: TE
CHECKED BY: RS
DRAWING NO:
A-137.00
CADD FILE NO:
J:\Proj2013\607 BASIS

NATURAL VENTILATION WINDOW CALCULATIONS

STAIR A

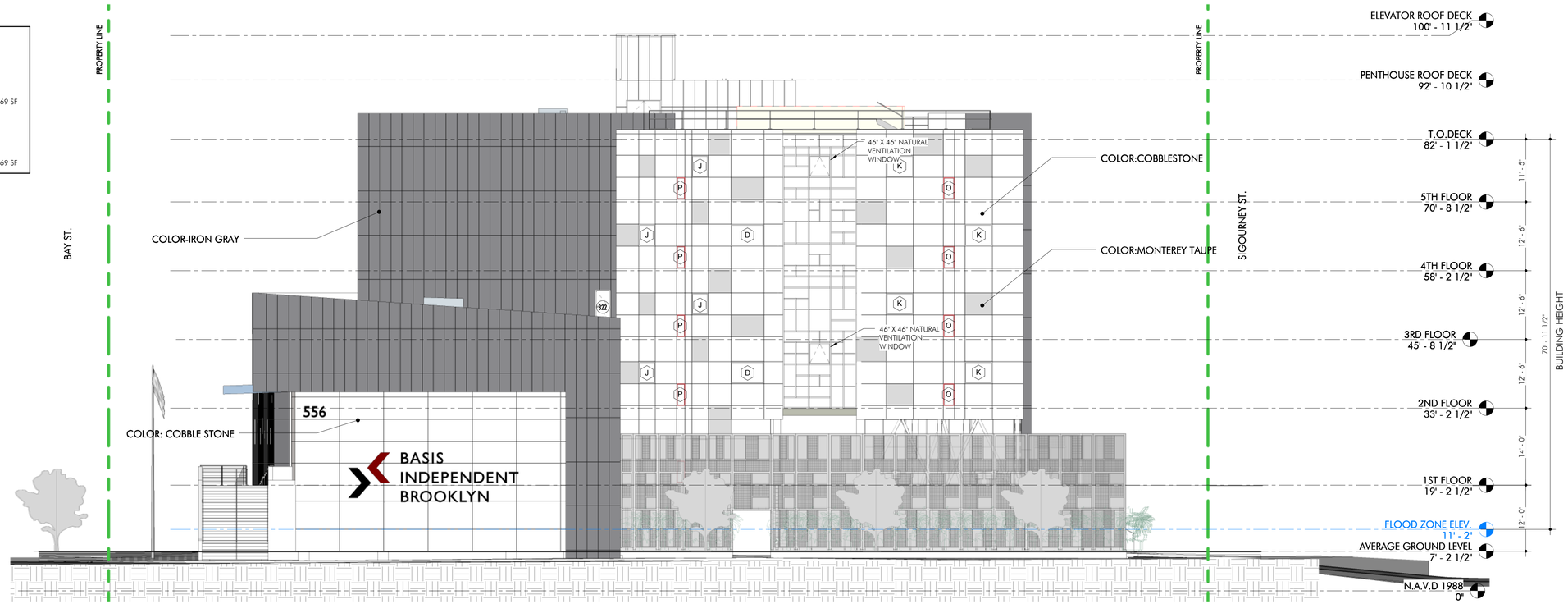
STAIR ENCLOSURE X 0.04 = MIN. VENTILATION
336 SF X 0.04 = 13.44 SF REQUIRED.

PROPOSED VENTILATION WINDOW IS 3'-10" X 3' - 10" = 14.69 SF

STAIR B

STAIR ENCLOSURE X 0.04 = MIN. VENTILATION
329 SF X 0.04 = 13.16 SF REQUIRED.

PROPOSED VENTILATION WINDOW IS 3'-10" X 3' - 10" = 14.69 SF



2 EAST ELEVATION SCALE 3/32" = 1'-0"

NATURAL VENTILATION WINDOW CALCULATIONS

STAIR A

STAIR ENCLOSURE X 0.04 = MIN. VENTILATION
336 SF X 0.04 = 13.44 SF REQUIRED.

PROPOSED VENTILATION WINDOW IS 3'-10" X 3' - 10" = 14.69 SF

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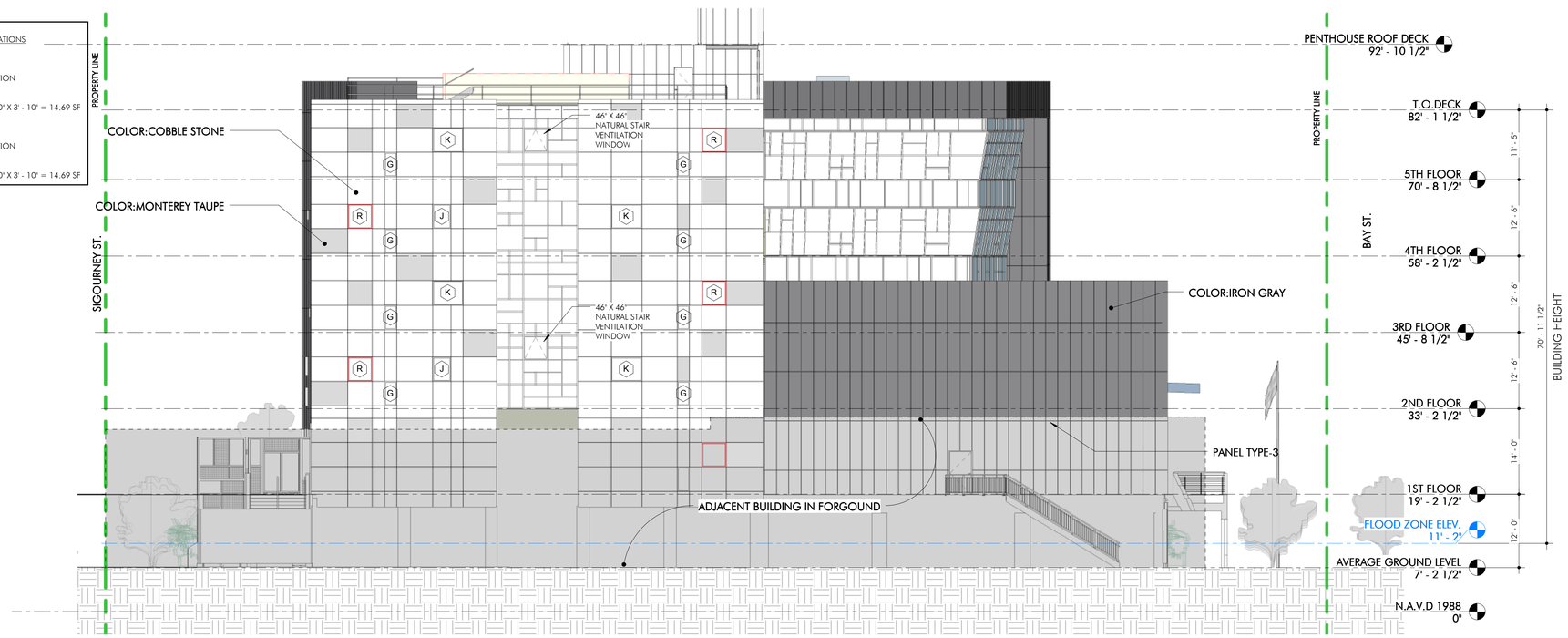
STAIR ENCLOSURE X 0.04 = MIN. VENTILATION
329 SF X 0.04 = 13.16 SF REQUIRED.

PROPOSED VENTILATION WINDOW IS 3'-10" X 3' - 10" = 14.69 SF



1 WEST ELEVATION SCALE 3/32" = 1'-0"

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DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
1.5	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
1.3	05/19/2014	CLIENT AND CONTRACTOR	BUILDING S
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-1
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
1	10/16/2013	DOB	ZONING AND EGRESS REVIEW

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EAST - WEST ELEVATION

SEAL & SIGNATURE

DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	BT
CHECKED BY:	RS
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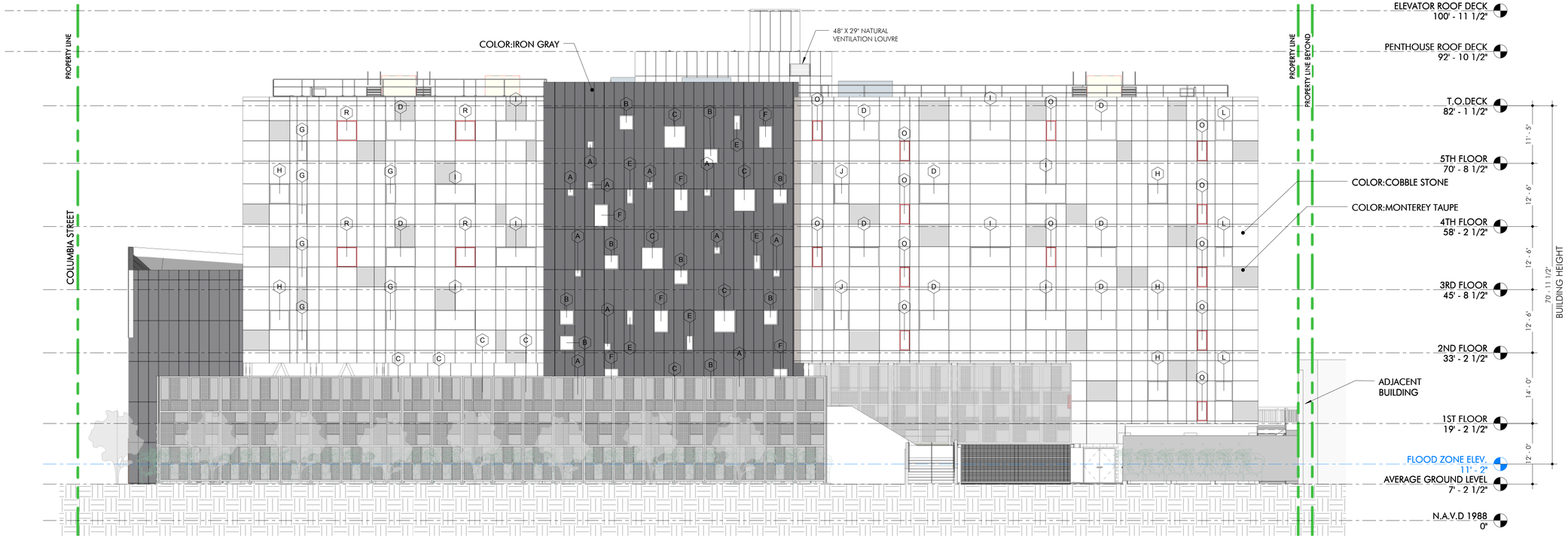
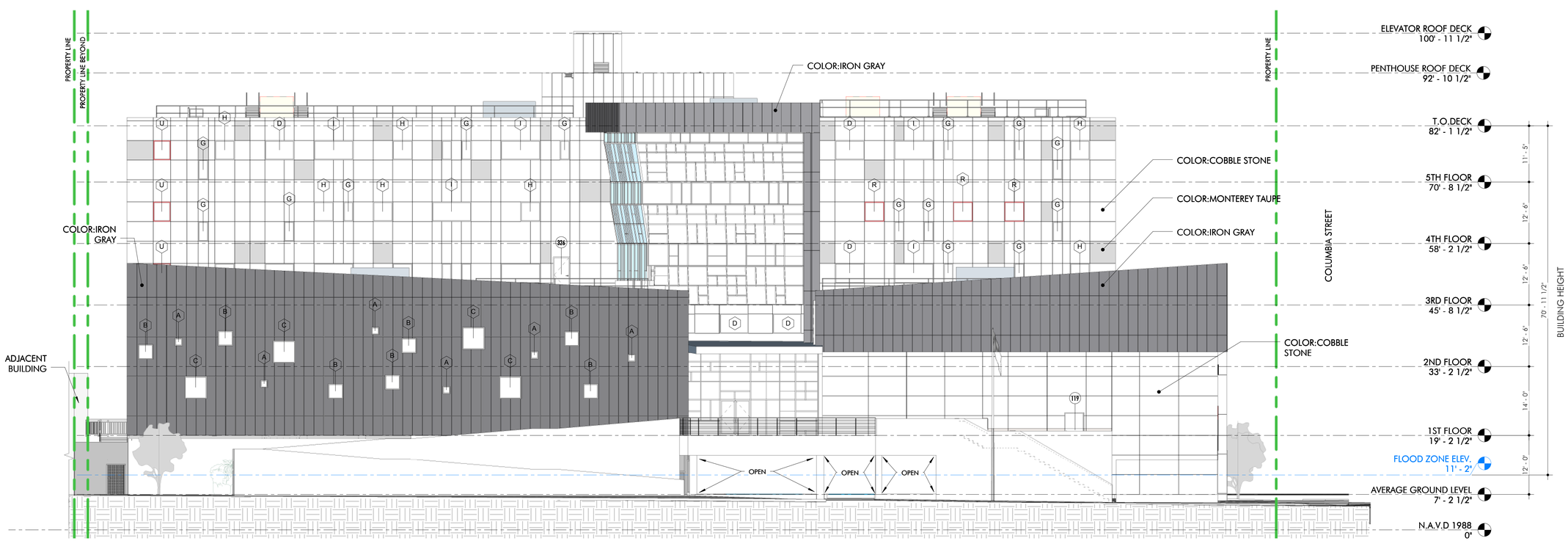


2 NORTH ELEVATION

SCALE 3/32" = 1'-0"



1 SOUTH ELEVATION

SCALE 3/32" = 1'-0"

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DOB-BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
8	02/05/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE1
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
2	10/18/2013	OWNER	OWNER REVIEW
1	10/16/2013	DOB	ZONING AND EGRESS REVIEW

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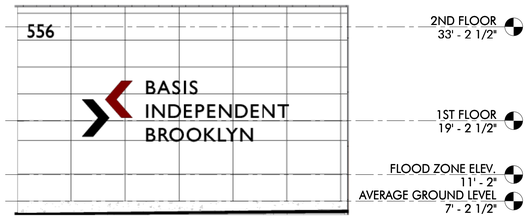
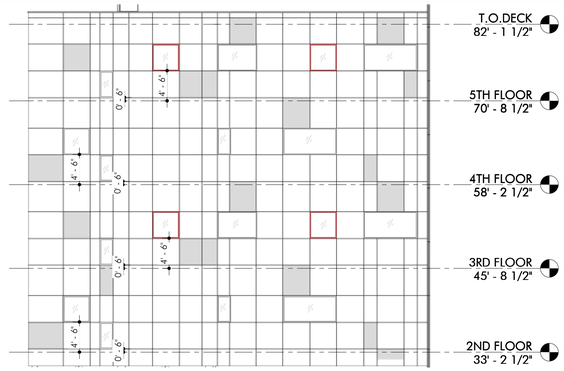
NORTH - SOUTH ELEVATION

SEAL & SIGNATURE

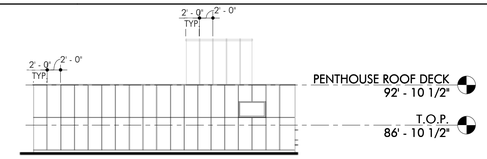
DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	BT
CHECKED BY:	RS
DRAWING NO:	A-202.00
CADD FILE NO: J:\Proj2013\607 BASIS	50 of 272



4 FACADE-E4 SCALE 3/32" = 1'-0"

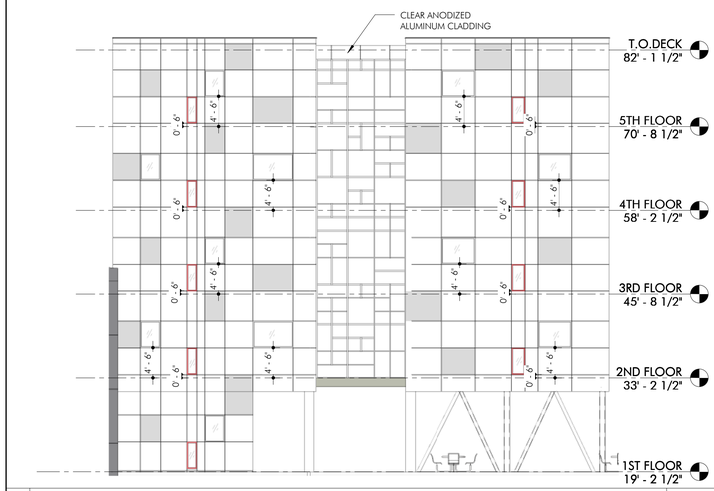


8 FACADE-N1 SCALE 3/32" = 1'-0"

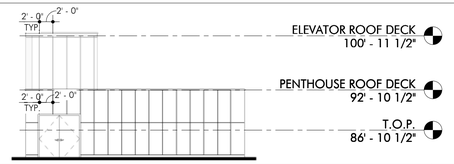


14 FACADE N6 SHEET REF SCALE 3/32" = 1'-0"

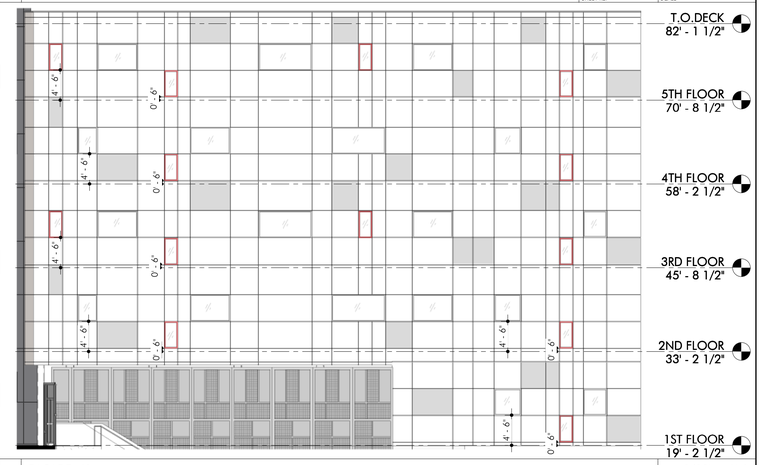
11 FACADE-N4 SHEET REF A-205.00 SCALE 3/32" = 1'-0"



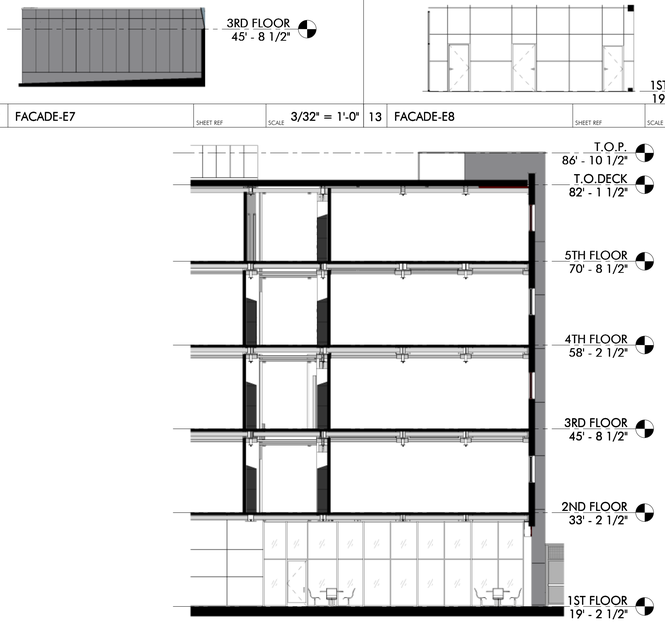
3 FACADE-E3 SCALE 3/32" = 1'-0"



15 FACADE E9 SHEET REF SCALE 3/32" = 1'-0"



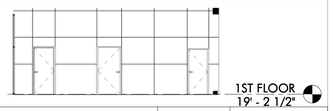
10 FACADE-N3 SCALE 3/32" = 1'-0"



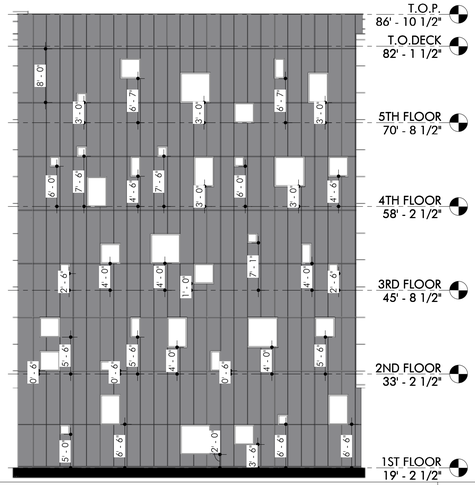
2 FACADE-E2 SCALE 3/32" = 1'-0"

6 FACADE-E6 SHEET REF SCALE 3/32" = 1'-0"

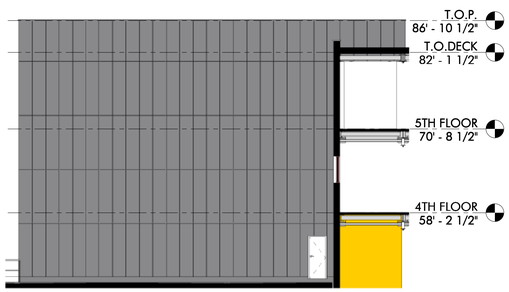
7 FACADE-E7 SHEET REF SCALE 3/32" = 1'-0"



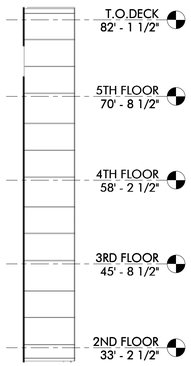
13 FACADE-E8 SHEET REF SCALE 3/32" = 1'-0"



9 FACADE-N2 SHEET REF SCALE 3/32" = 1'-0"



1 FACADE-E1 SCALE 3/32" = 1'-0"



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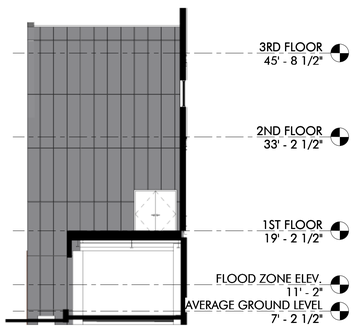
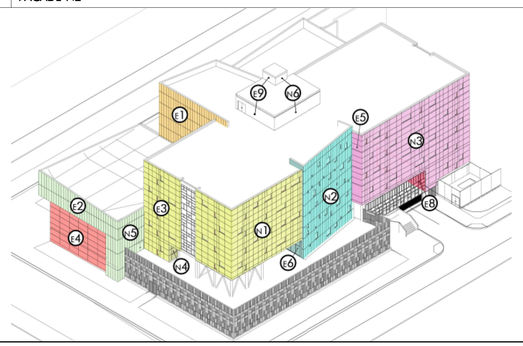


12 FACADE-N5 SHEET REF SCALE 3/32" = 1'-0"



COBBLE STONE
MONTEREY TAUPE
IRON GREY

CLADDING LEGEND

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DOB BSCAN

ISS/REV	DATE	DESCRIPTION
15	05/22/2014	ISSUED FOR PERMIT
8	03/07/2014	CONSTRUCTION

ISSUED TO: DEPARTMENT OF BUILDING / CLIENT AND CONTRACTOR

NORTH

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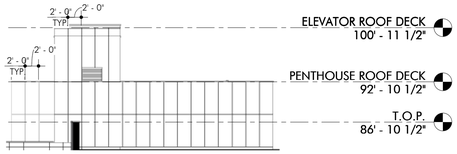
NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

556 COLUMBIA STREET
BROOKLYN, NY 11231

EAST & NORTH CLADDING ELEVATIONS

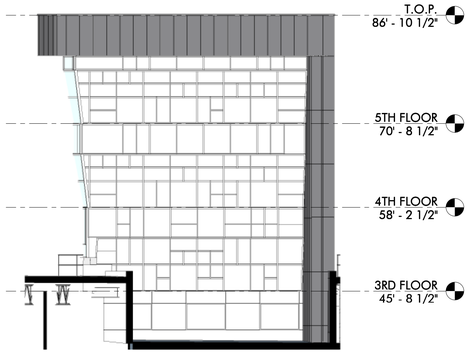
SEAL & SIGNATURE

DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	E.E
CHECKED BY:	R.S
DRAWING NO:	A-203.00
CADD FILE NO: J:\Proj2013\607 BASIS	51 of 272

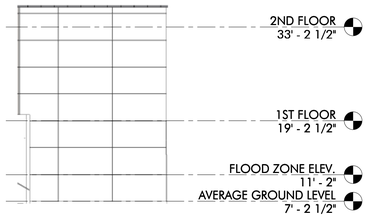


15 FACADE S10 SCALE 3/32" = 1'-0"

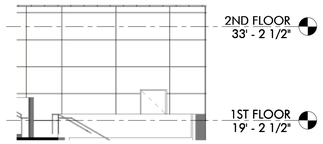
14 FACADE-S9 SCALE 3/32" = 1'-0"



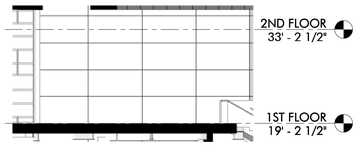
13 FACADE-S8 SCALE 3/32" = 1'-0"



12 FACADE- S7 SCALE 3/32" = 1'-0"



11 FACADE-S6 SCALE 3/32" = 1'-0"



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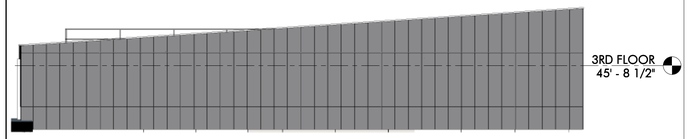

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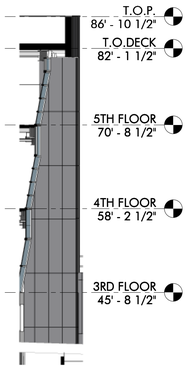
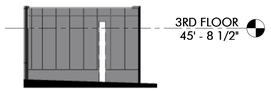


4 FACADE-W4 SHEET REF SCALE 3/32" = 1'-0"



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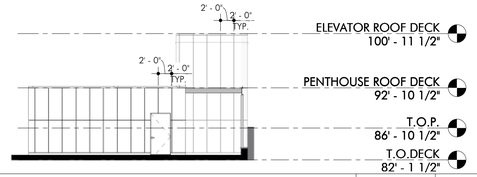

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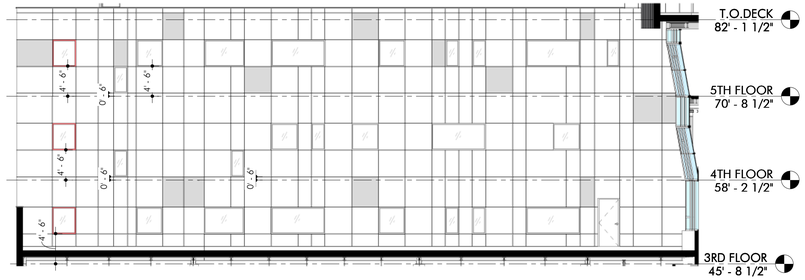
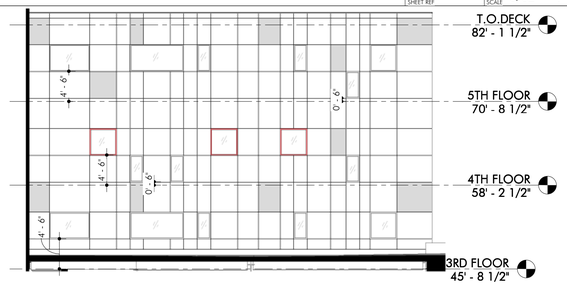
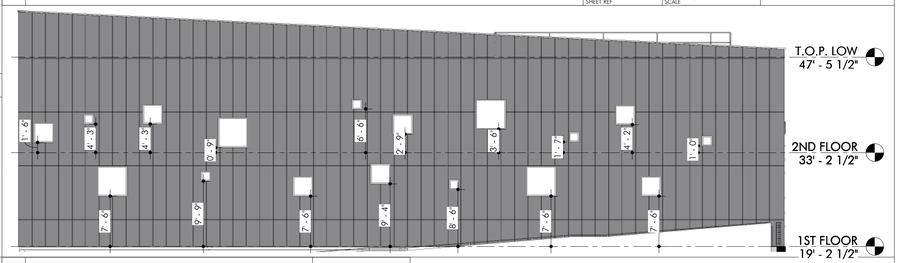


6 FACADE-S1 SHEET REF SCALE 3/32" = 1'-0"



7 FACADE-S2 SHEET REF SCALE 3/32" = 1'-0"



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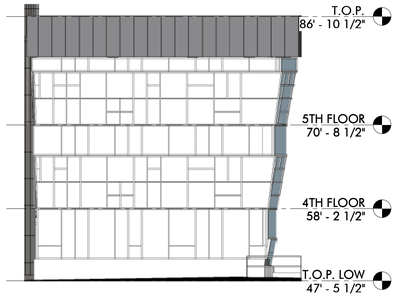
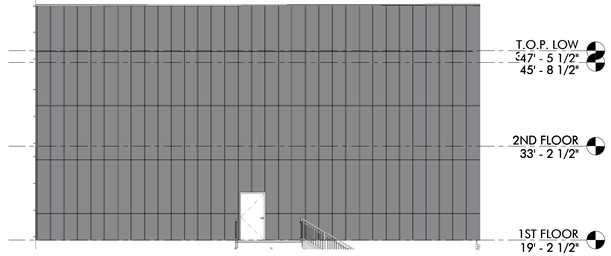
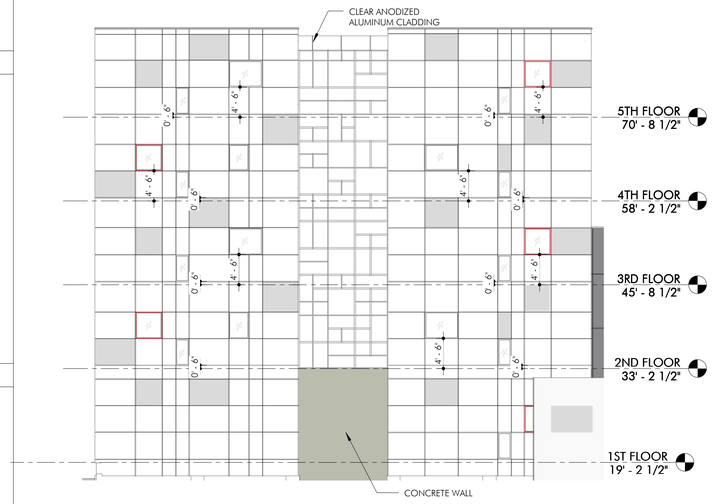


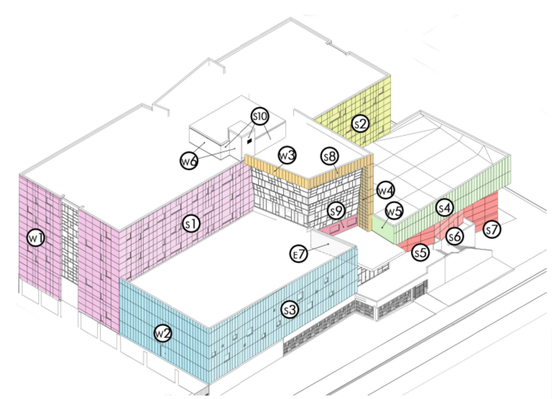
3 FACADE-W3 SCALE 3/32" = 1'-0"



2 FACADE-W2 SCALE 3/32" = 1'-0"



1 FACADE-W1 SCALE 3/32" = 1'-0"



COBBLE STONE
MONTEREY TAUPE
IRON GREY

CLADDING LEGEND

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DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
1.5	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION

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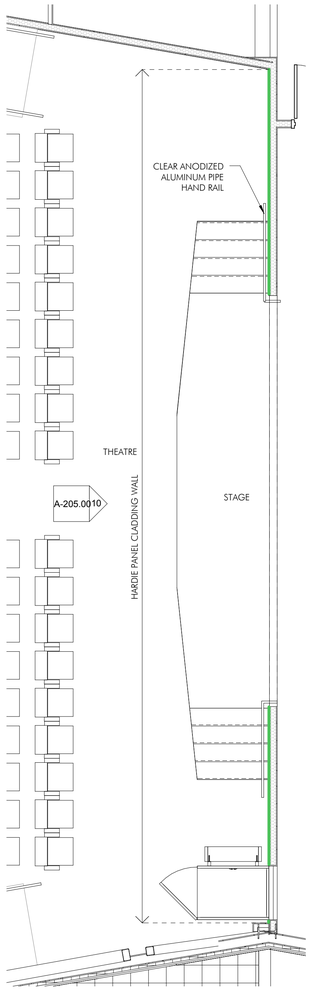
NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

556 COLUMBIA STREET
BROOKLYN, NY 11231

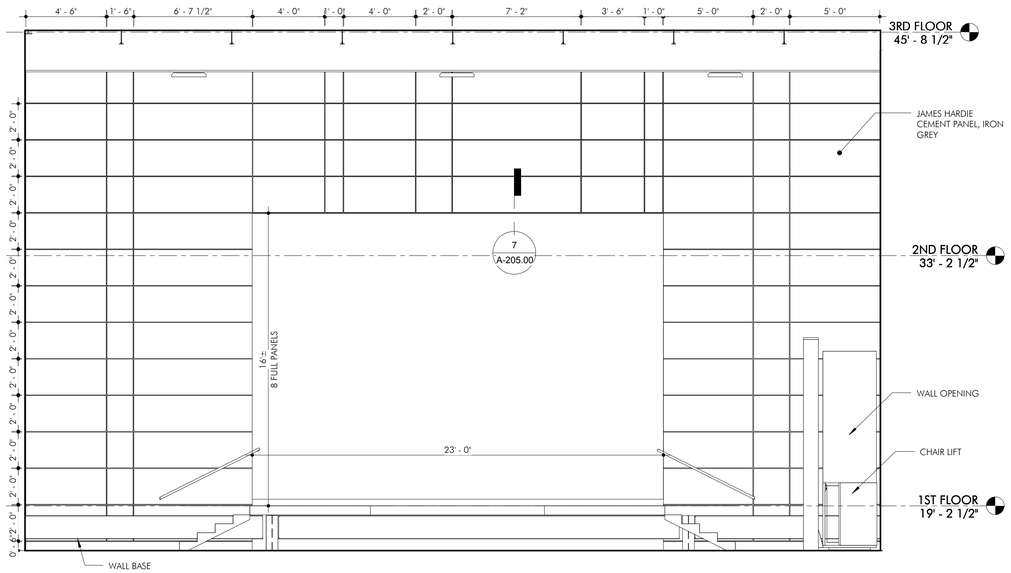
WEST & SOUTH CLADDING ELEVATIONS

SEAL & SIGNATURE

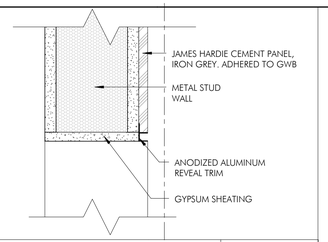
DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	E.E
CHECKED BY:	R.S
DRAWING NO:	A-204.00
CADD FILE NO: J:\Pfa\2013\607 BASIS	



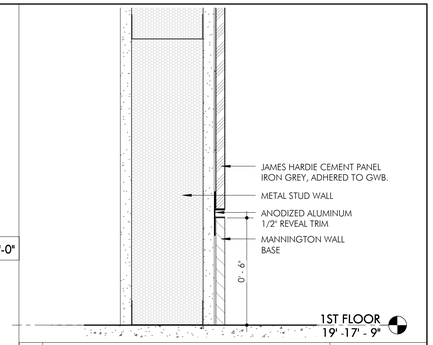
11 THEATRE ENLARGED PLAN — SHEET REF A-101.00 — SCALE 1/4" = 1'-0"



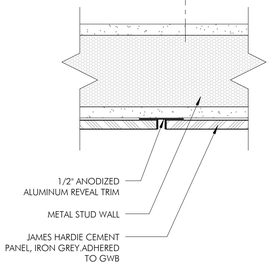
10 THEATRE PROSCENIUM WALL CLADDING ELEVATION — SHEET REF A-205.00 — SCALE 1/4" = 1'-0"



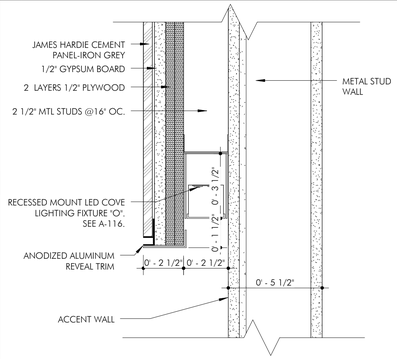
7 Detail 11 — SCALE 3" = 1'-0"

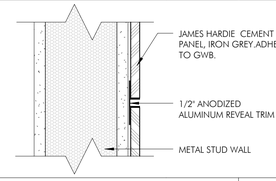


4 LOBBY WALL CLADDING BASE DETAIL — SCALE 3" = 1'-0"



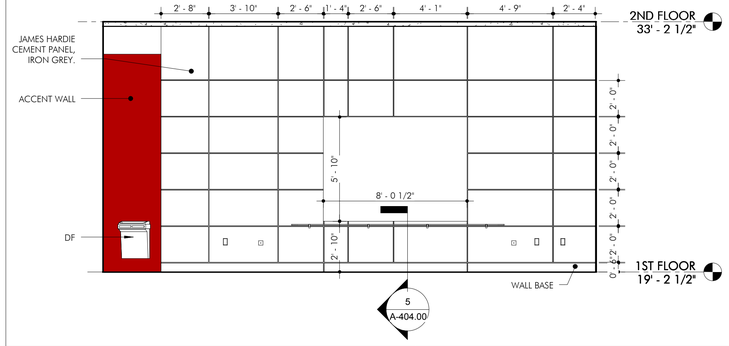
6 TYPICAL HORIZONTAL REVEAL DETAIL — SCALE 3" = 1'-0"



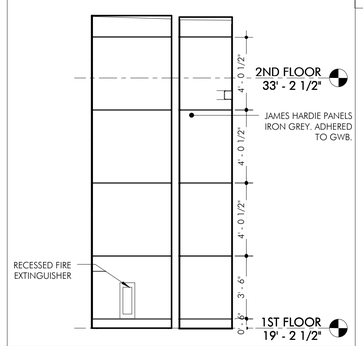


5 TYPICAL VERTICAL REVEAL DETAIL — SCALE 3" = 1'-0"

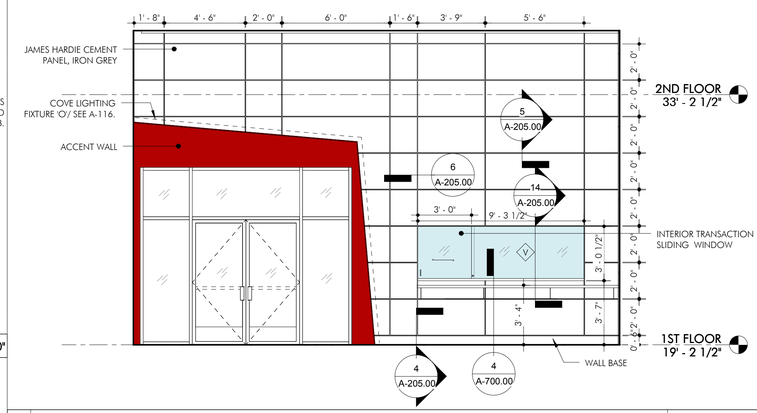
3 LOBBY WALL-COVE LIGHT DETAIL — SCALE 3" = 1'-0"



9 CAFETERIA CLADDING WALL ELEVATION — SCALE 1/4" = 1'-0"



13 LOBBY WALL CLADDING ELEV.-12 — SCALE 1/4" = 1'-0"



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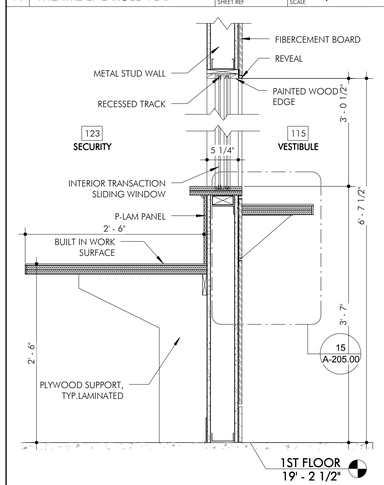
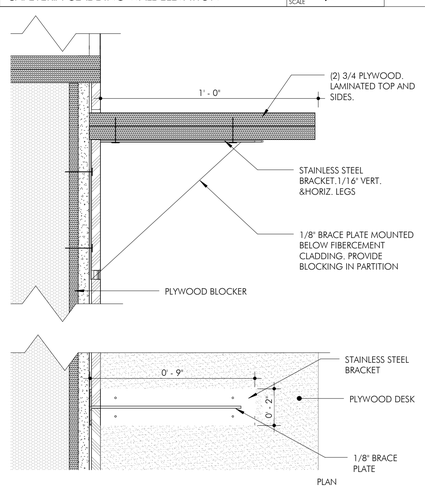
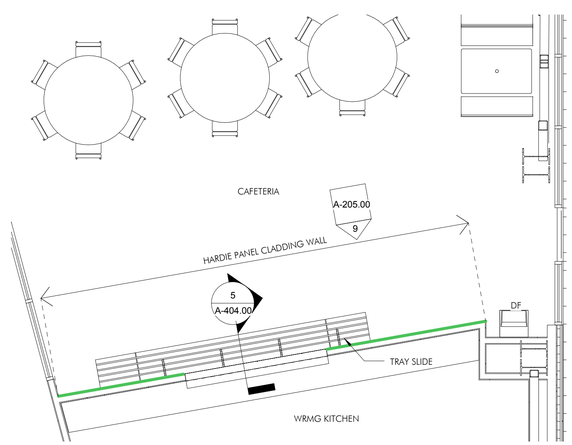


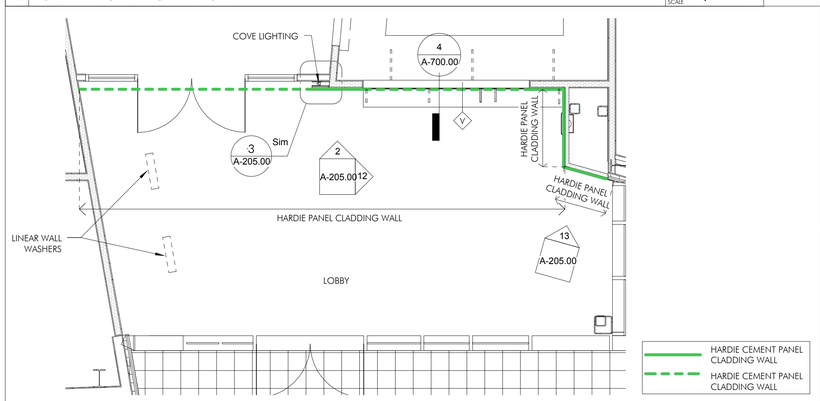
14 LOBBY SLIDING WINDOW — SCALE 1" = 1'-0"



15 BRACKET DETAIL — SCALE 3" = 1'-0"



8 CAFETERIA ENLARGED PLAN — SCALE 1/4" = 1'-0"



1 LOBBY ENLARGED PLAN — SHEET REF A-101.00 — SCALE 1/4" = 1'-0"

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DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION

NORTH

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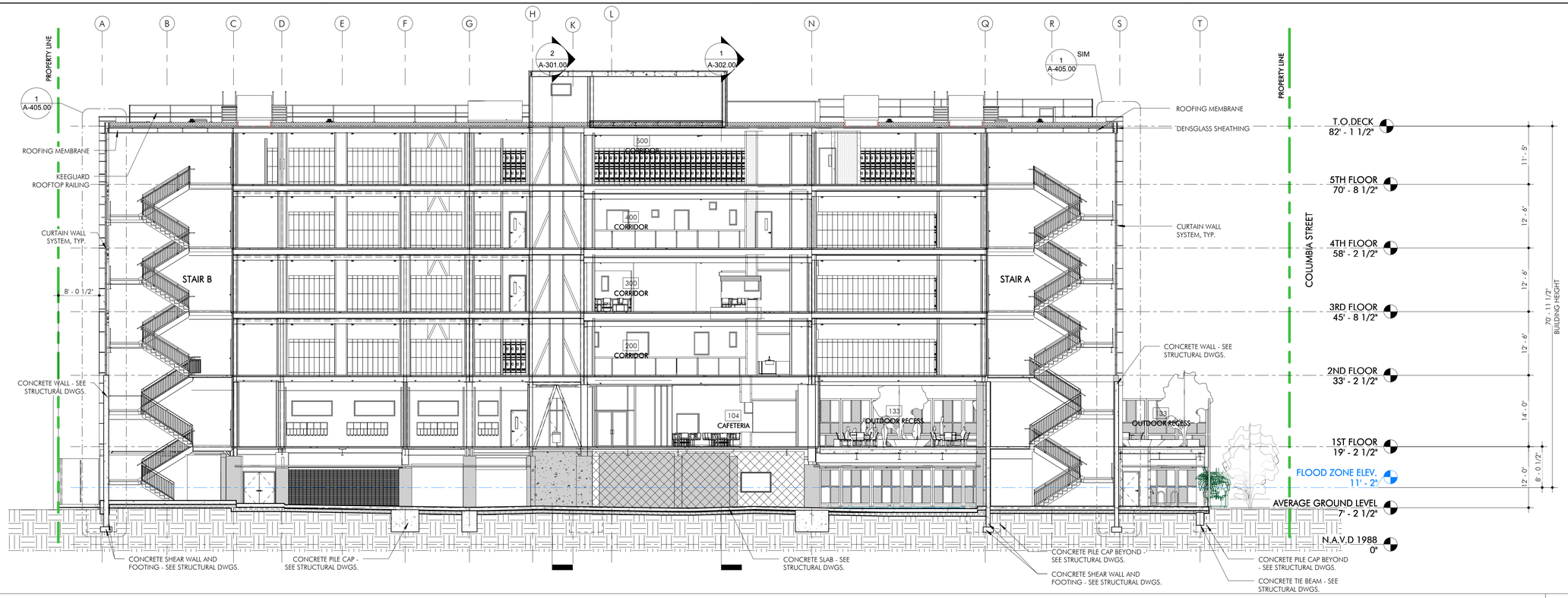
NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

556 COLUMBIA STREET
BROOKLYN, NY 11231

INTERIOR CLADDING ELEVATIONS

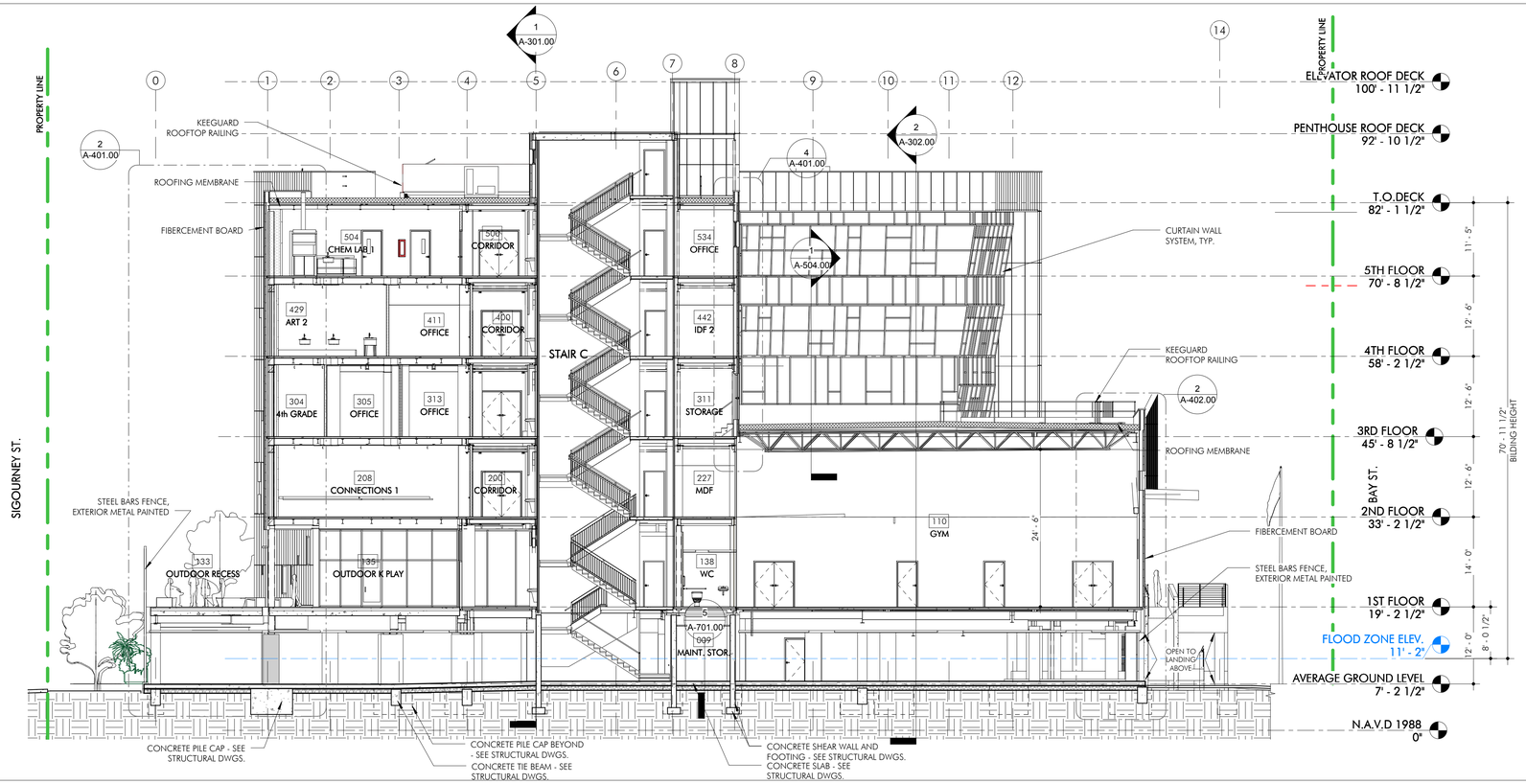
SEAL & SIGNATURE

DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	E.E
CHECKED BY:	R.S
DRAWING NO:	A-205.00
CADD FILE NO: J:\Proj2013\607 BASIS	53 of 272



1 EAST-WEST SECTION

SCALE 3/32" = 1'-0"



2 NORTH - SOUTH SECTION

SCALE 3/32" = 1'-0"

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DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE I
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE II
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
2	10/18/2013	OWNER	OWNER REVIEW
1	10/16/2013	DOB	ZONING AND EGRESS REVIEW

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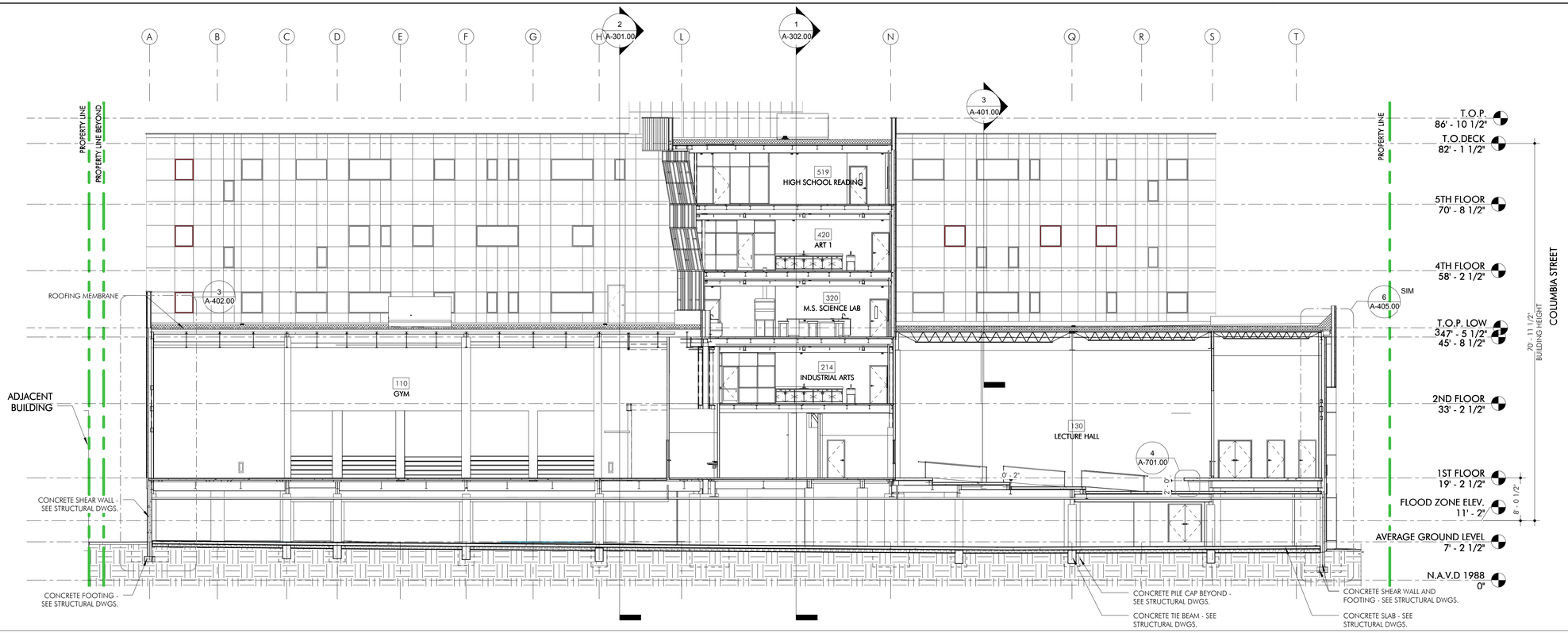
BROOKLYN, NY 11231

BUILDING SECTIONS

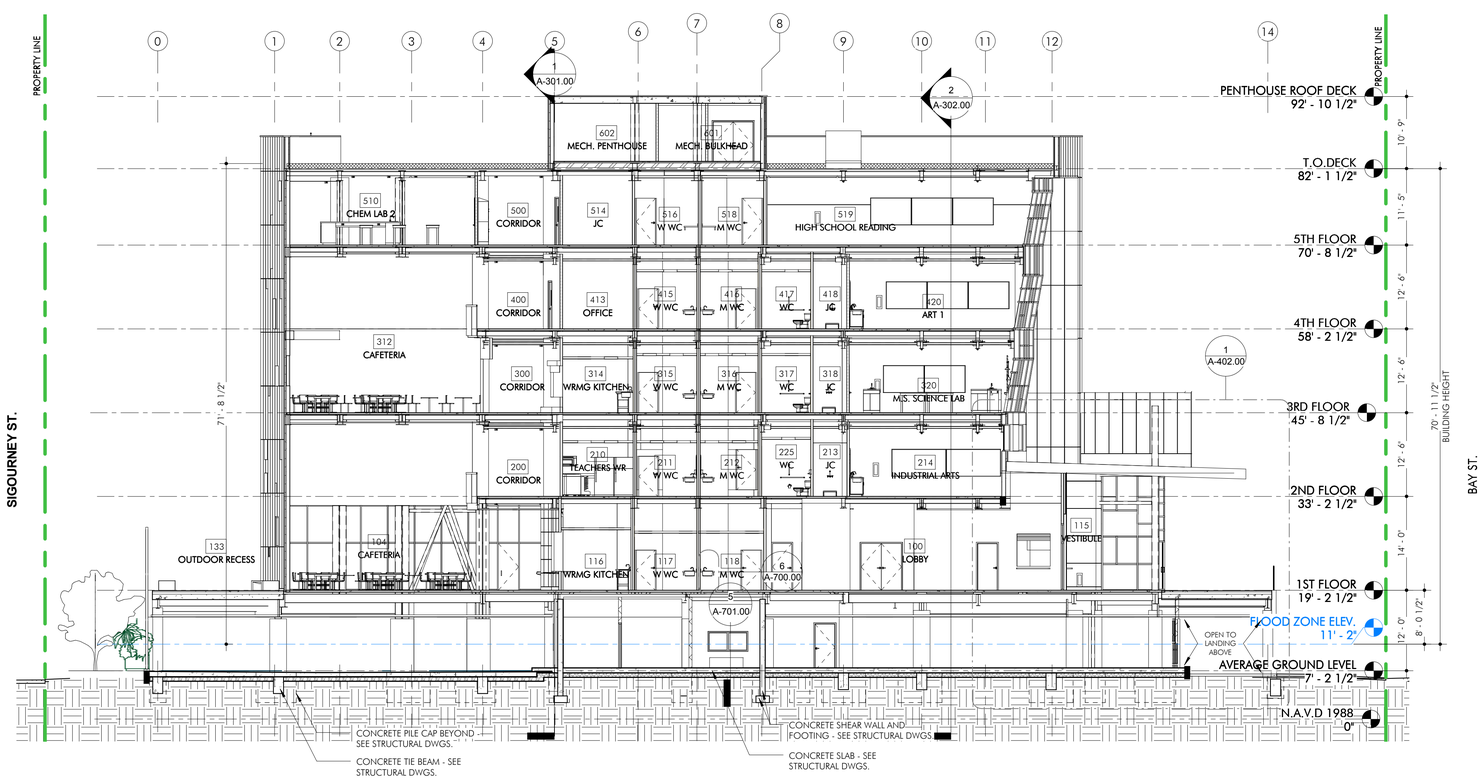
SEAL & SIGNATURE

DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	BT
CHECKED BY:	RS
DRAWING NO:	A-301.00
CADD FILE NO: J:\Proj2013\607 BASIS	54 of 272



2 SECTION THROUGH GYM & THEATER

SCALE 3/32" = 1'-0"



1 NORTH - SOUTH SECTION1

SCALE 3/32" = 1'-0"

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DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE I
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE II
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
2	10/18/2013	OWNER	OWNER REVIEW
1	10/16/2013	DOB	ZONING AND EGRESS REVIEW

NORTH

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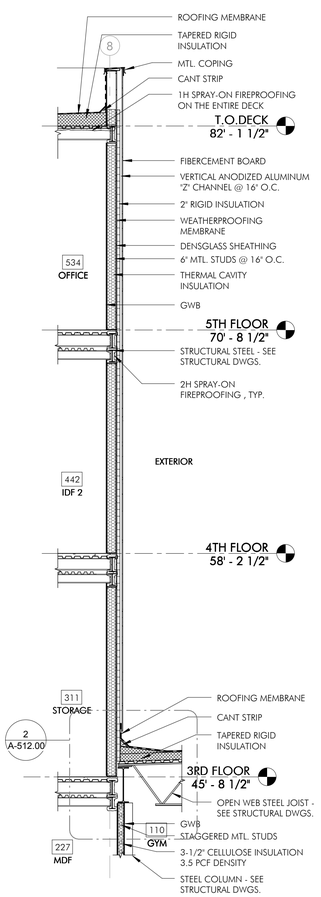
NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

556 COLUMBIA STREET
BROOKLYN, NY 11231

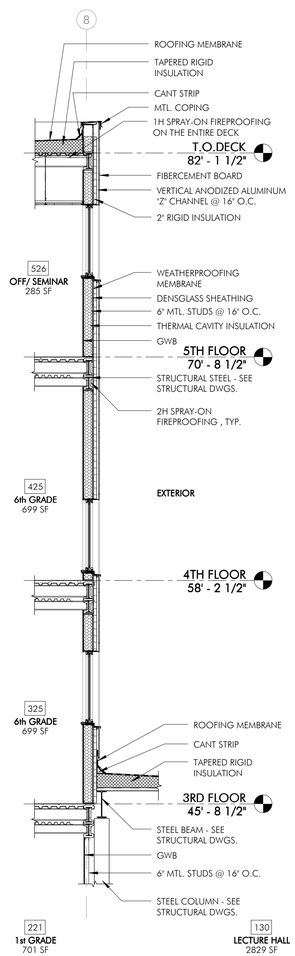
BUILDING SECTIONS

SEAL & SIGNATURE

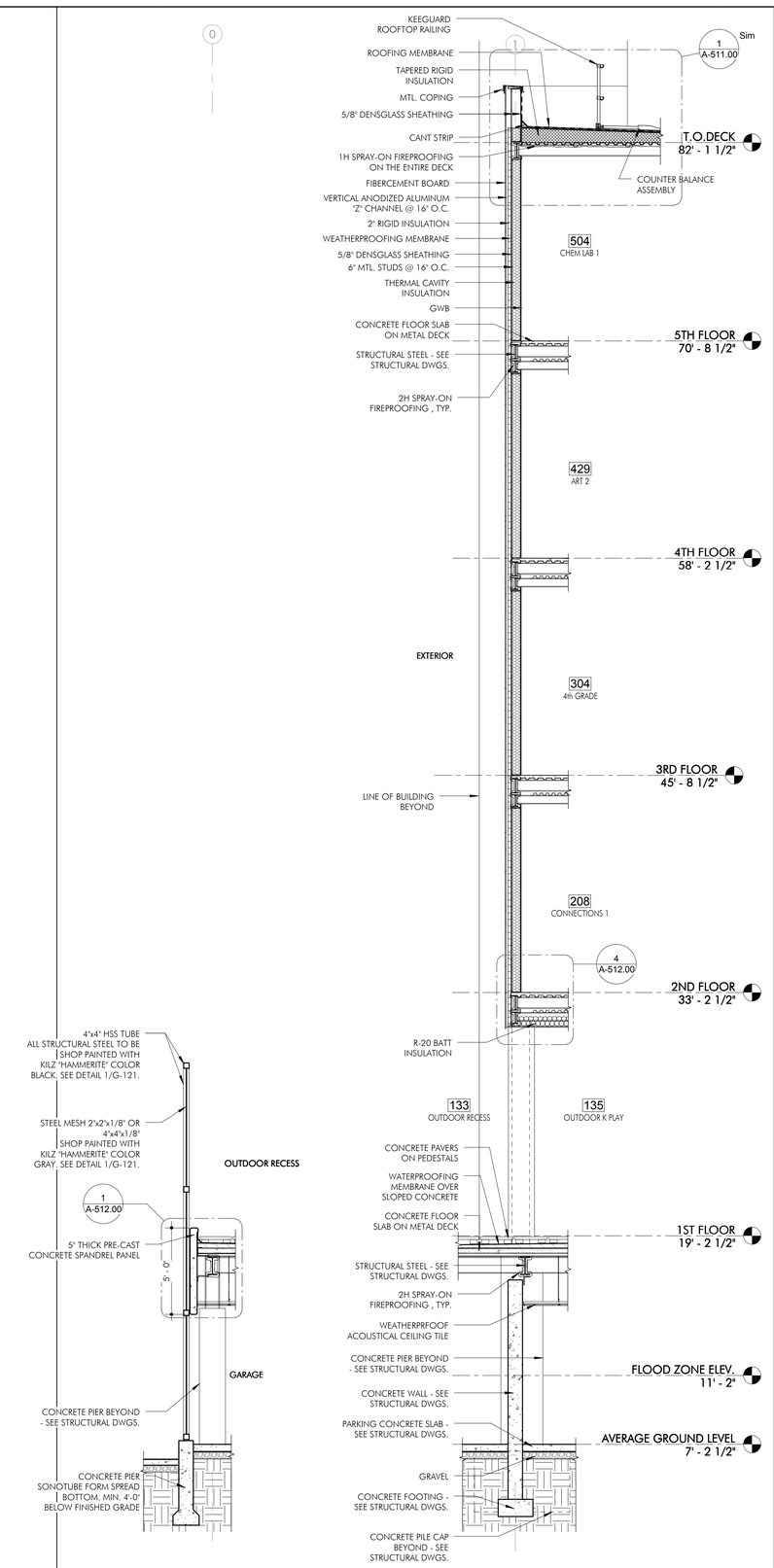
DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	IO
CHECKED BY:	RS
DRAWING NO:	A-302.00
CADD FILE NO: J:\Pro\2013\607 BASIS	55 of 272



4 WALL SECTION @ GYM ROOF A-301.00 SHEET NO SCALE 1/4" = 1'-0"



3 WALL SECTION THROUGH THEATER ROOF SCALE 1/4" = 1'-0"



1 TYPICAL WALL SECTION 1 A-100.00 SHEET NO SCALE 1/4" = 1'-0"

2 TYPICAL WALL SECTION 2 A-301.00 SHEET NO SCALE 1/4" = 1'-0"

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1.5	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
8	03/07/2014	DEPARTMENT OF BUILDING	CONSTRUCTION
7	01/17/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE-II
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-I
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
2	10/18/2013	OWNER	OWNER REVIEW

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WALL SECTIONS

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DRAWING NO:	A-401.00
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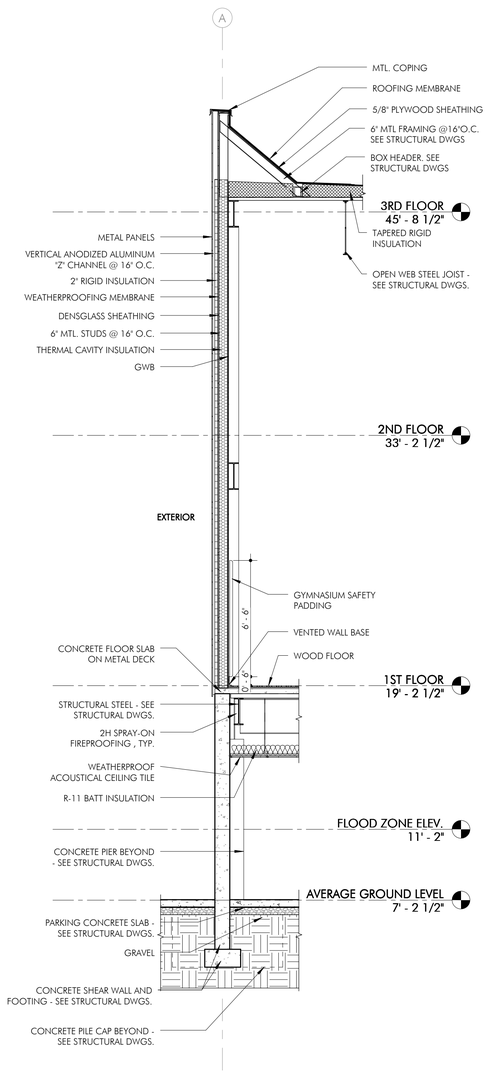
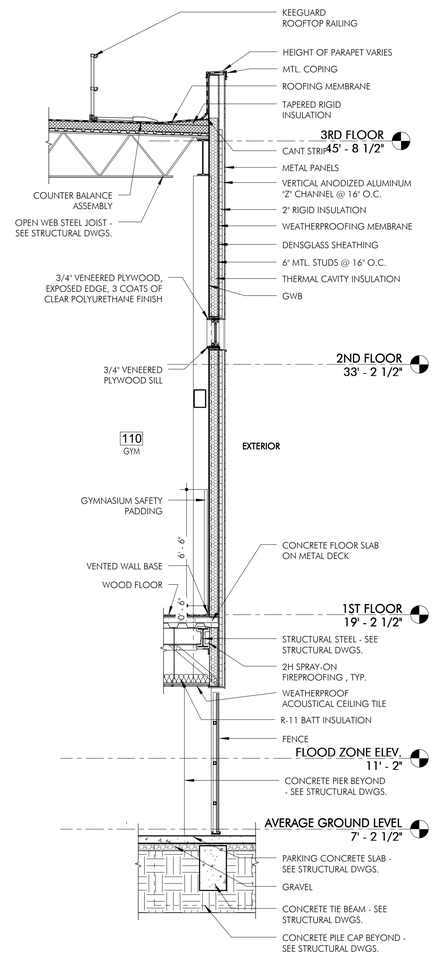
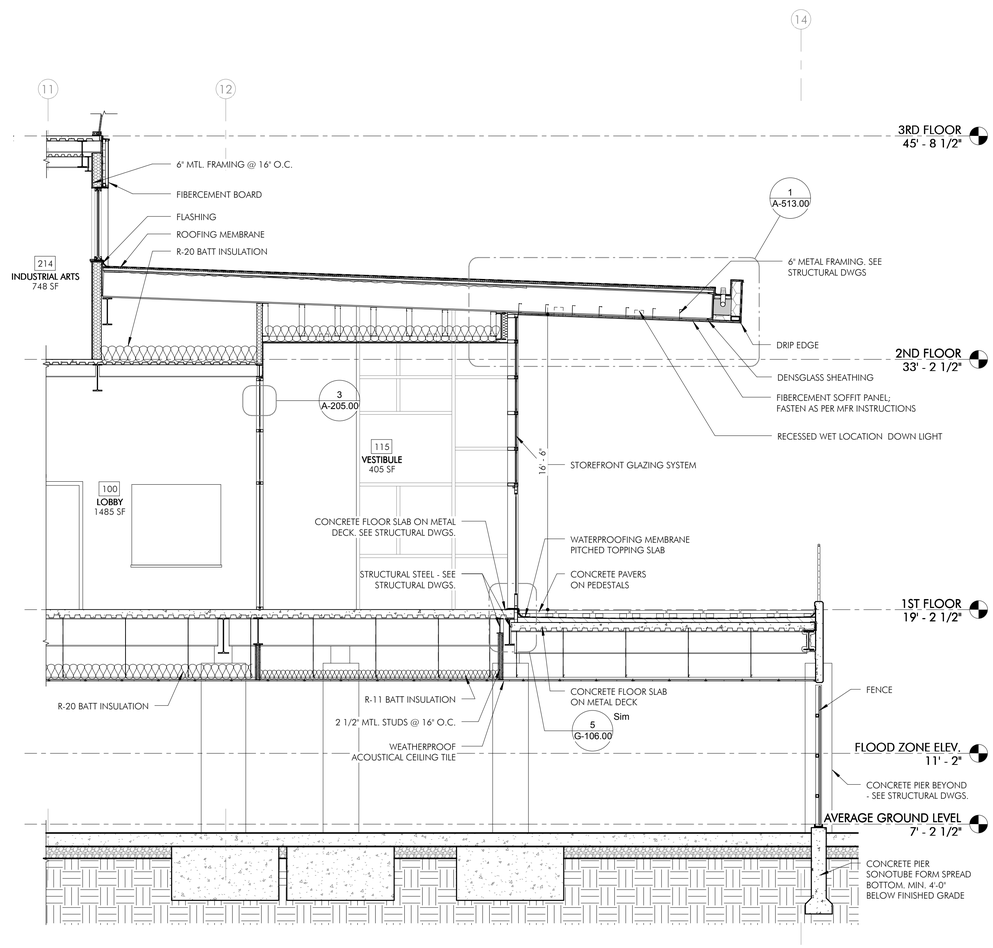


3 WALL SECTION @ GYM SCALE 1/4" = 1'-0"



2 TYPICAL WALL SECTION @ GYM SCALE 1/4" = 1'-0"



1 WALL SECTION THROUGH MAIN ENTRANCE LOBBY SCALE 1/4" = 1'-0"

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CHECKED BY:	RS
DRAWING NO:	A-402.00
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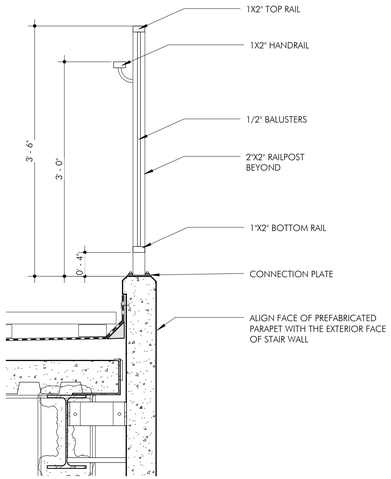
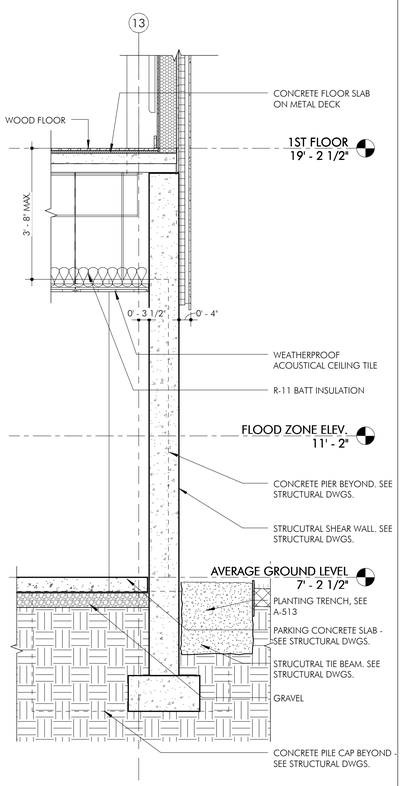
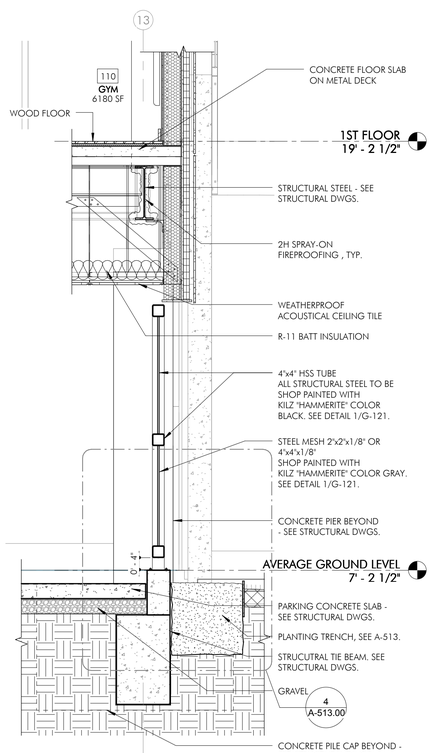


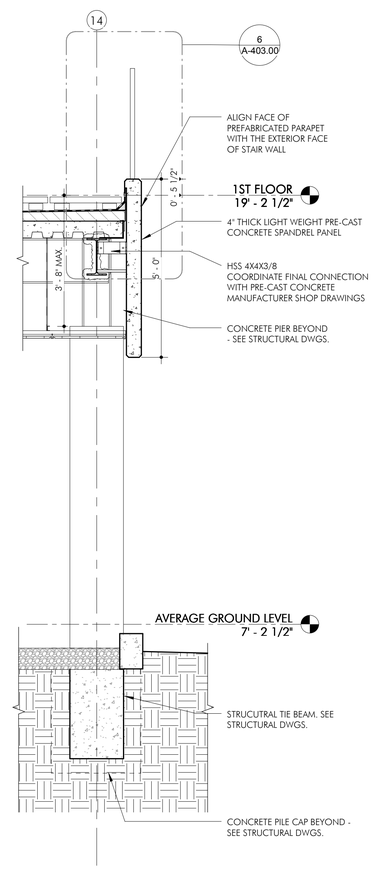
6 RAILING DETAIL — SHEET REF A-403.00 — SCALE 1" = 1'-0"



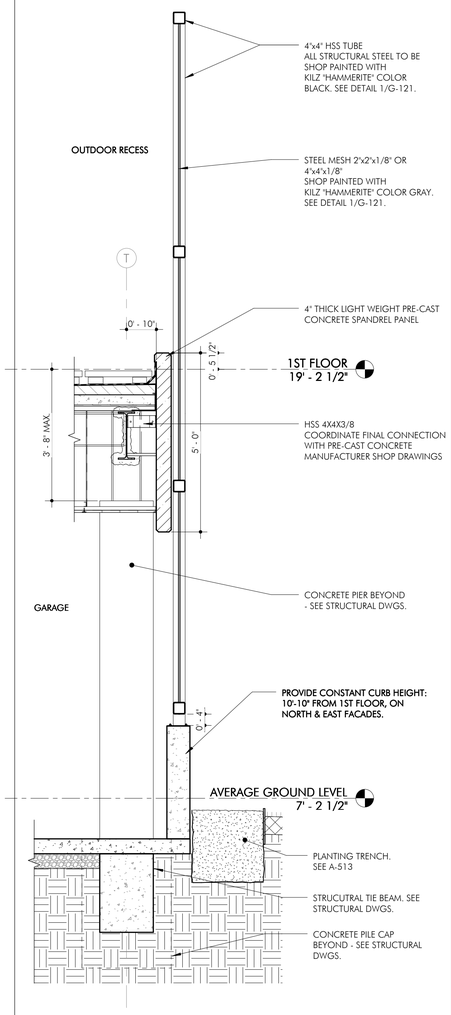
5 WALL SECTION @ SHEAR WALL — SCALE 1/2" = 1'-0"



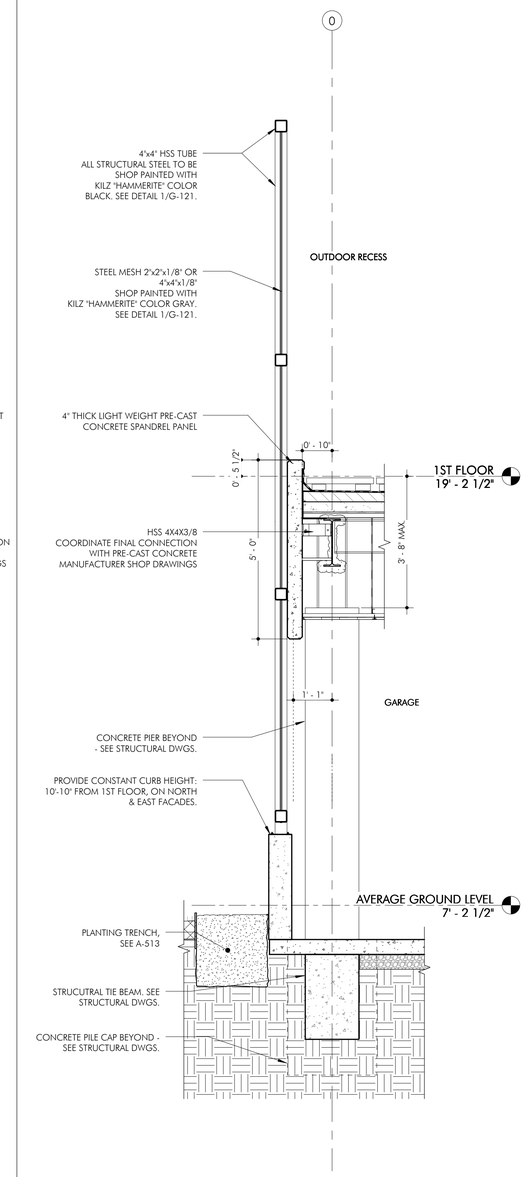
4 WALL SECTION # 4 @ FENCE — SHEET REF A-100.00 — SCALE 1/2" = 1'-0"



3 WALL SECTION # 3 @ FENCE — SHEET REF A-101.00 — SCALE 1/2" = 1'-0"



2 WALL SECTION # 2 @ FENCE — SHEET REF A-100.00 — SCALE 1/2" = 1'-0"



1 WALL SECTION # 1 @ FENCE — SHEET REF A-100.00 — SCALE 1/2" = 1'-0"

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WALL SECTIONS

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DATE: 04/11/2014
PROJECT NO.: 13-607
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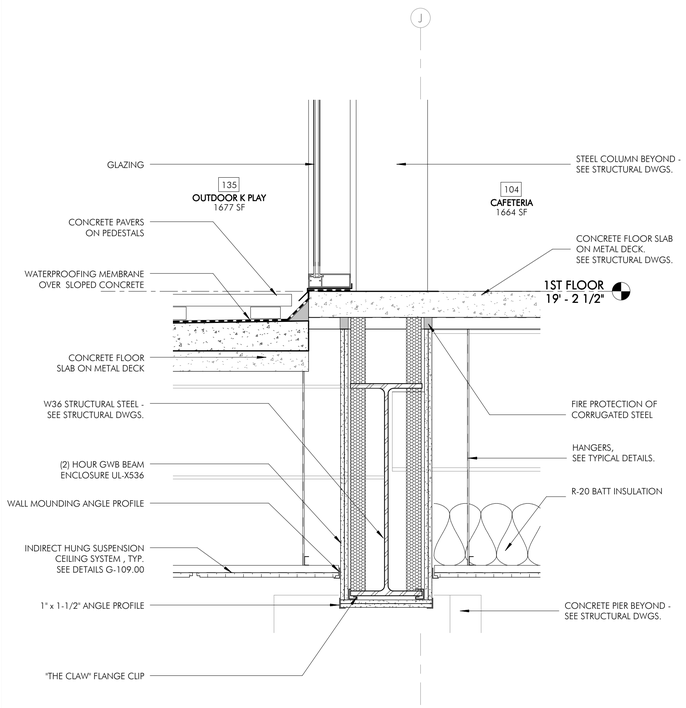
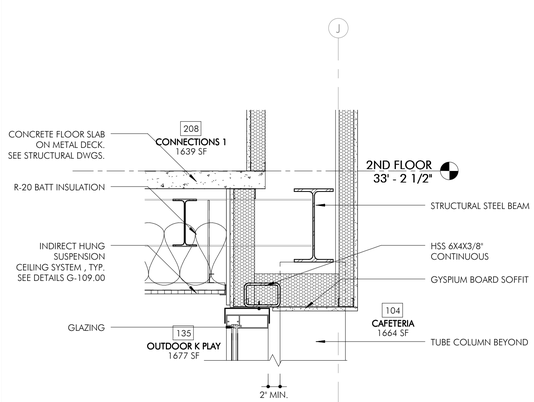
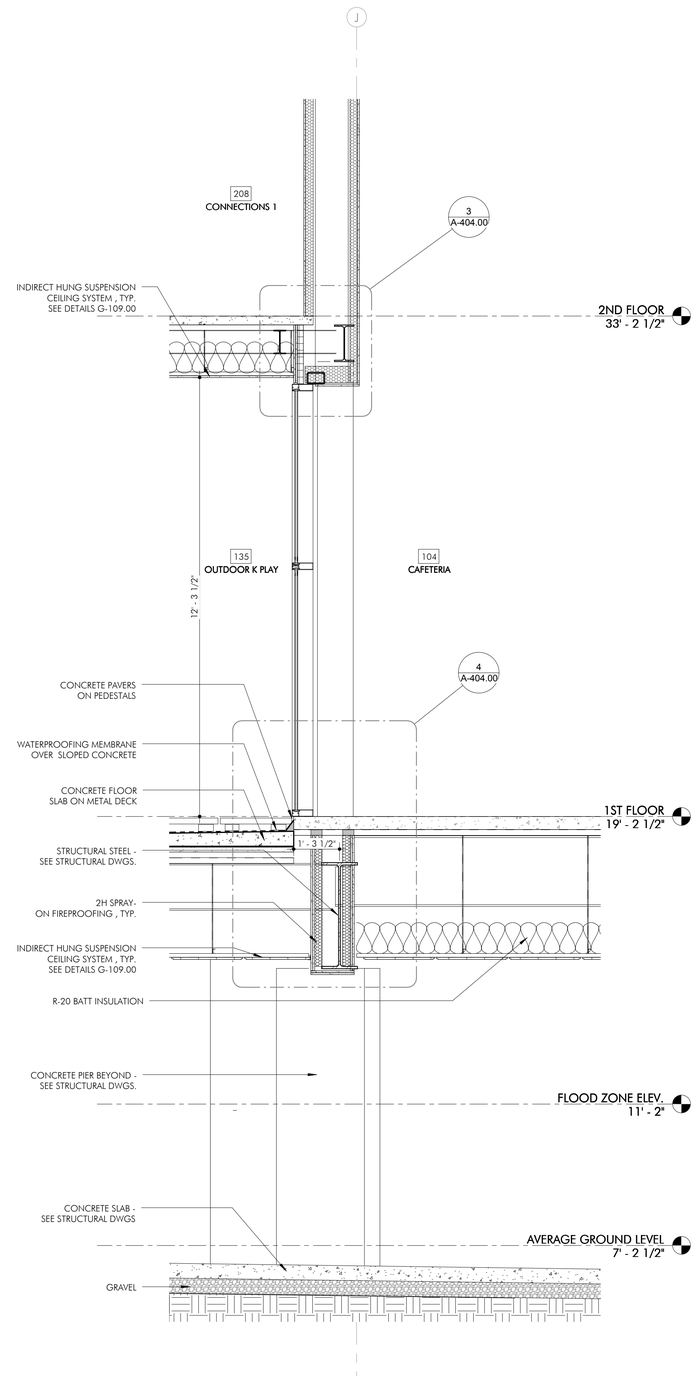
CHECKED BY: RS
DRAWING NO:
A-403.00
CADD FILE NO: J:\Pro2013\607 BASIS



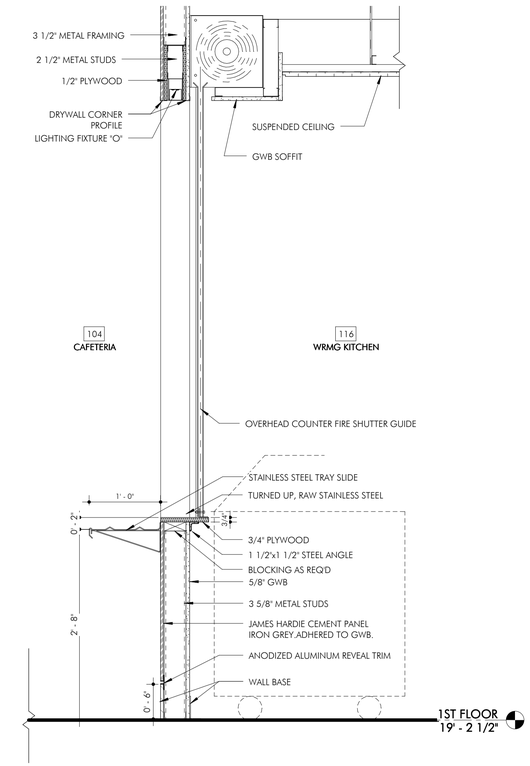
4 TYPICAL TRANSFER GIRDER DETAIL @ GARAGE — SHEET REF. A-404.00 — SCALE 1" = 1'-0"



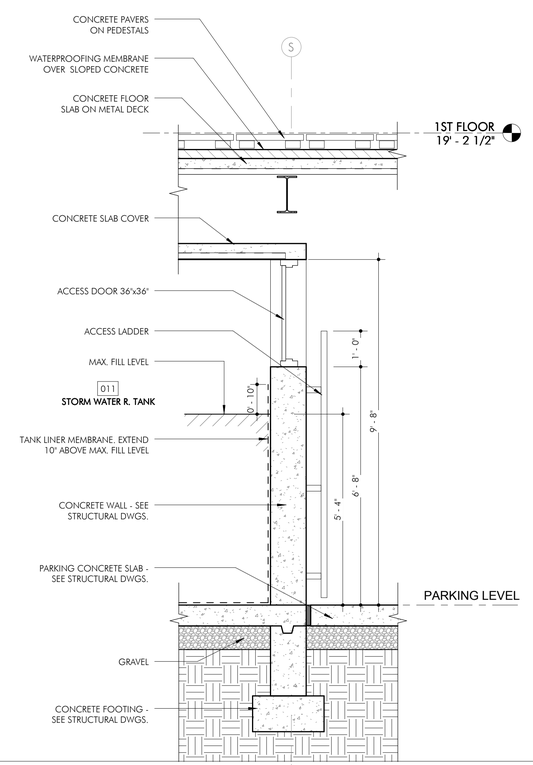
3 SECTION DETAIL @ CURTAIN WALL HEAD — SHEET REF. A-404.00 — SCALE 1" = 1'-0"



2 SECTION THROUGH CAFETERIA — SCALE 1/2" = 1'-0"



5 WARMING KITCHEN WALL SECTION — SHEET REF. A-101.00 — SCALE 1" = 1'-0"



1 SECTION THROUGH STORM WATER R. TANK — SCALE 1/2" = 1'-0"

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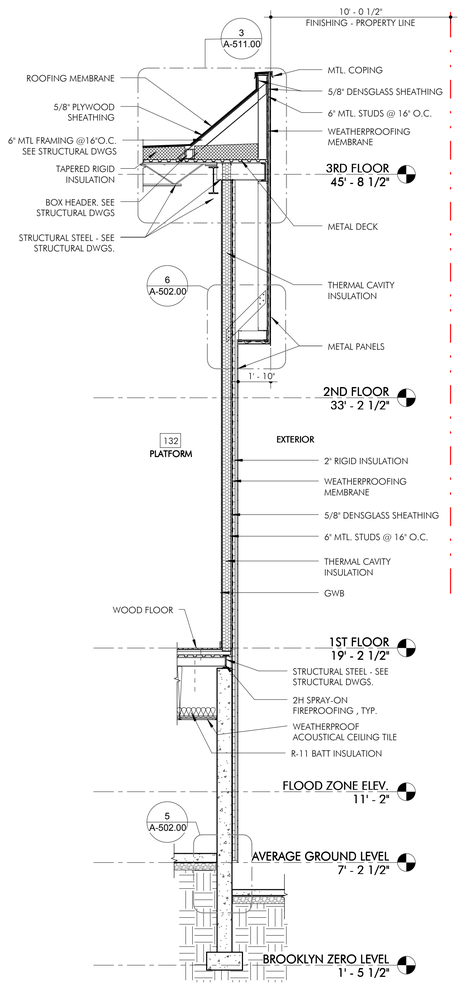
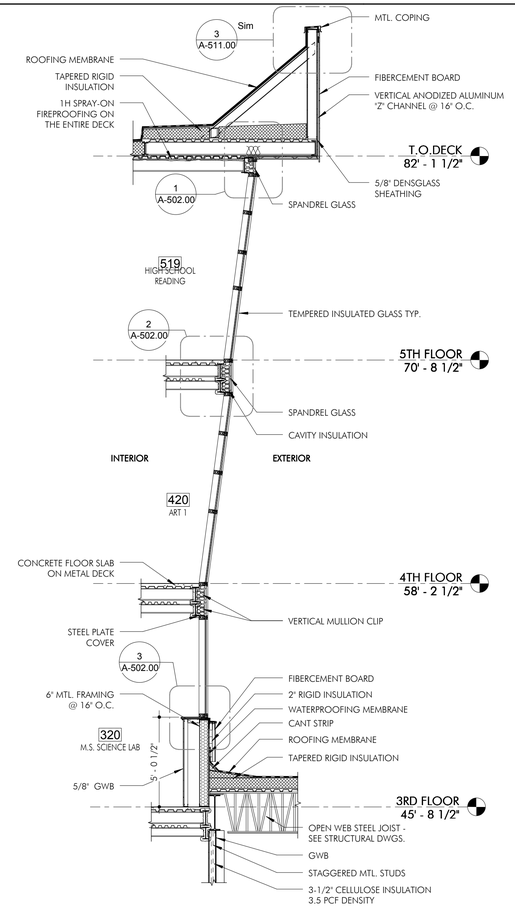
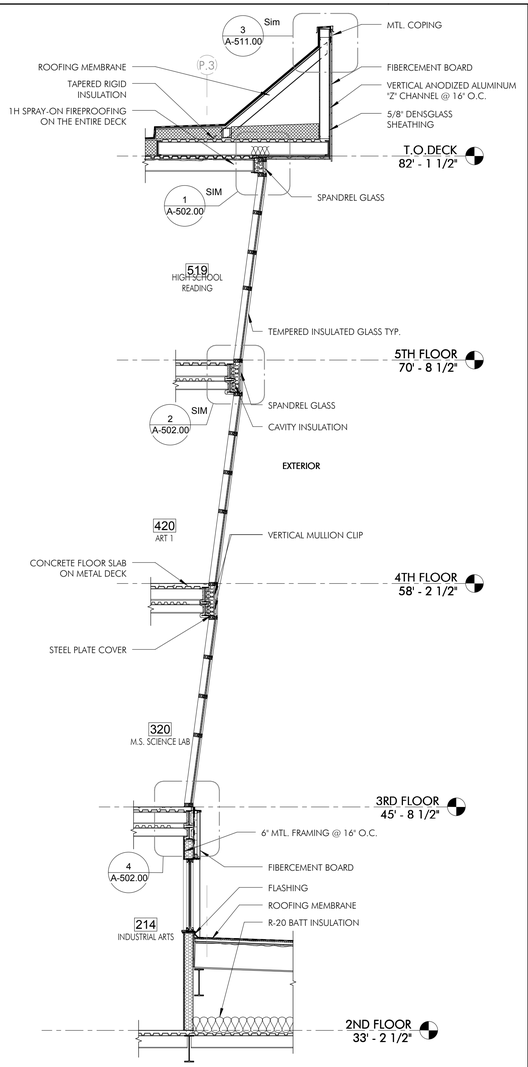


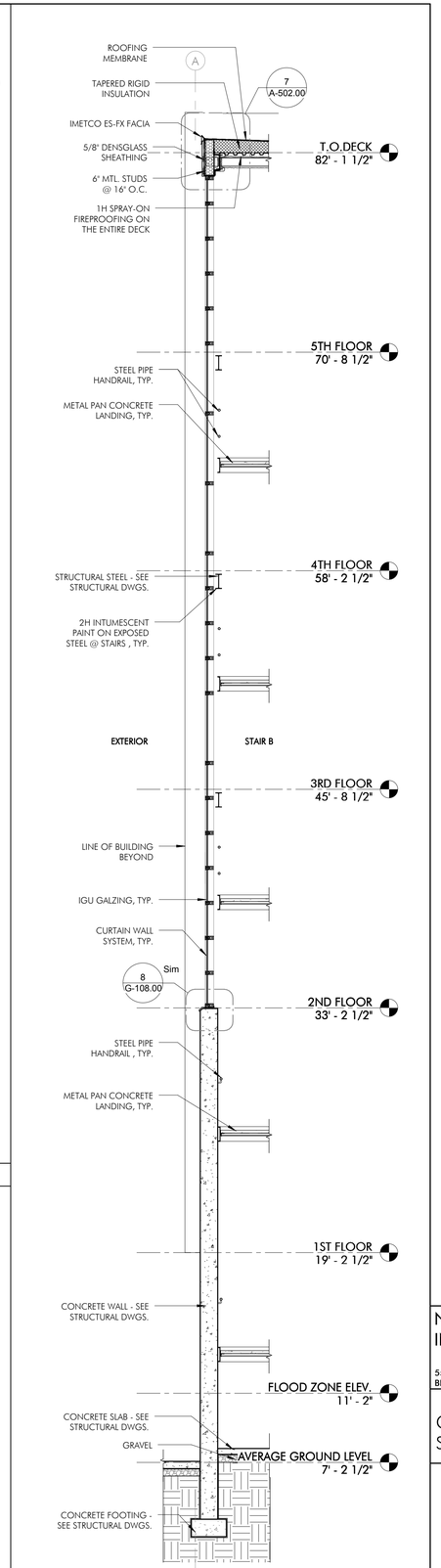
6 WALL SECTION @ THEATER — SHEET REF. A-100.00 — SCALE 1/4" = 1'-0"



3 EAST/WEST GLASS CURTAIN WALL SECTION — SCALE 1/4" = 1'-0"



2 NORTH/SOUTH GLASS CURTAIN WALL SECTION — SCALE 1/4" = 1'-0"



1 TYPICAL WALL SECTION @ STAIR — SCALE 1/4" = 1'-0"

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GLASS CURTAIN WALL SECTIONS

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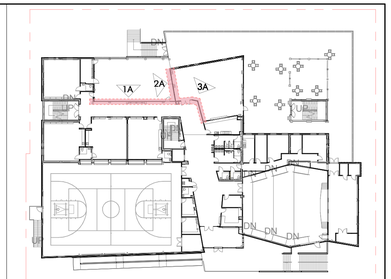
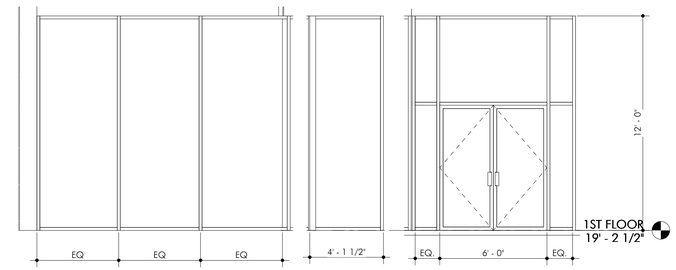
9 3D View Curtain Wall 3-A/2-A From Cafeteria — SCALE N.T.S.

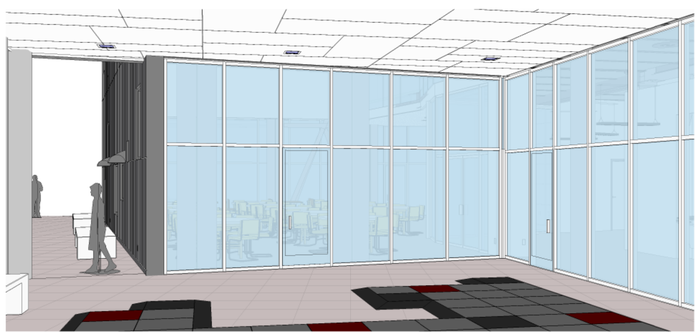
VERIFY ALL DIMENSIONS IN FIELD
&
SUBMIT SHOP DRAWINGS



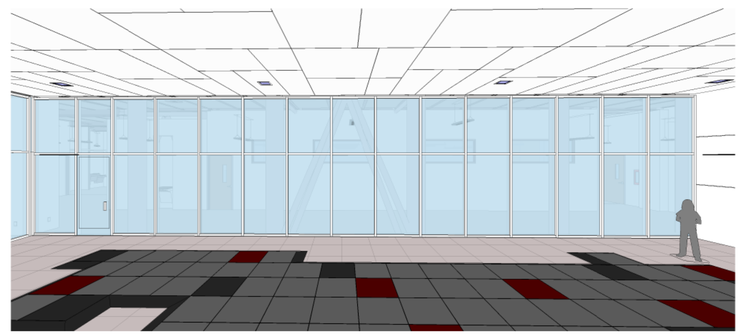
1st FLOR KEY PLAN — N.T.S.



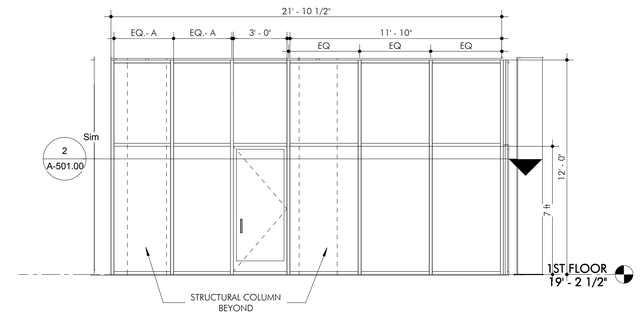
4 Elevation Curtain Wall 3-A — SCALE 1/4" = 1'-0"



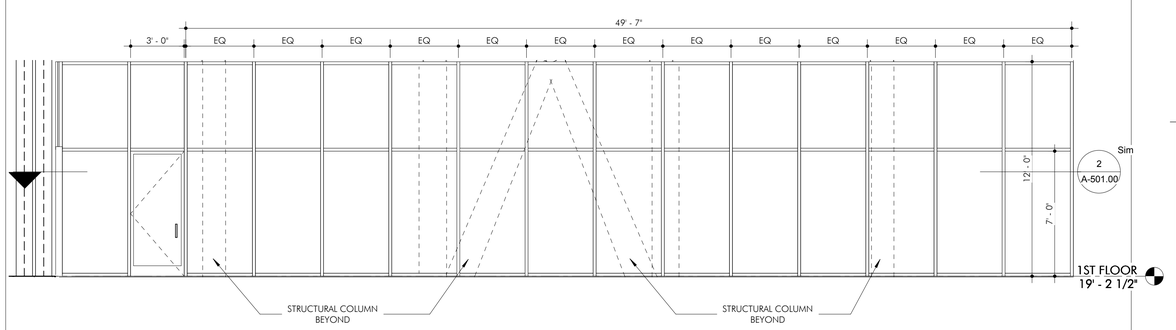
8 3D View Curtain Wall 2-A From Outdoor K Play Area — SCALE N.T.S.



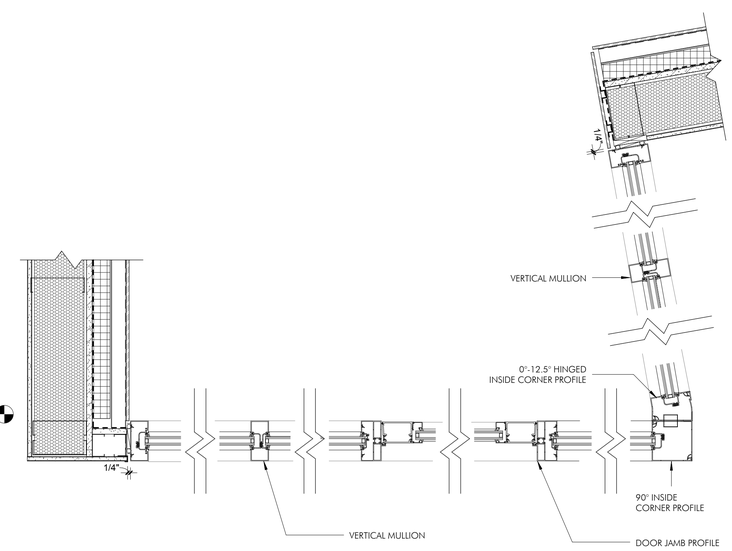
7 3D View Curtain Wall 1-A From Outdoor K Play Area — SCALE N.T.S.



3 Elevation Curtain Wall 2-A — SCALE 1/4" = 1'-0"



1 Elevation Curtain Wall 1-A — SCALE 1/4" = 1'-0"



2 Curtain Wall Details — SCALE 1 1/2" = 1'-0"

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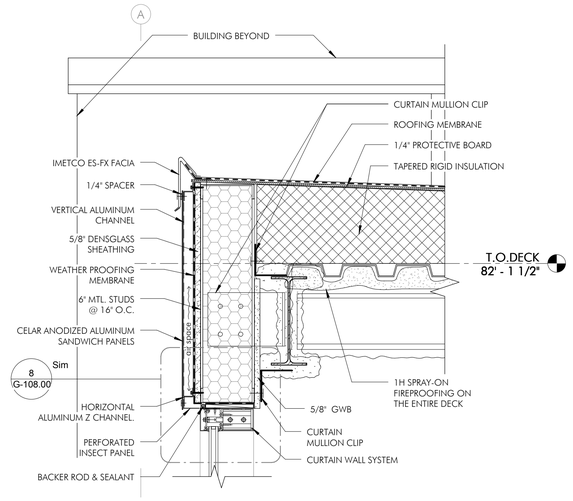
NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

556 COLUMBIA STREET
BROOKLYN, NY 11231

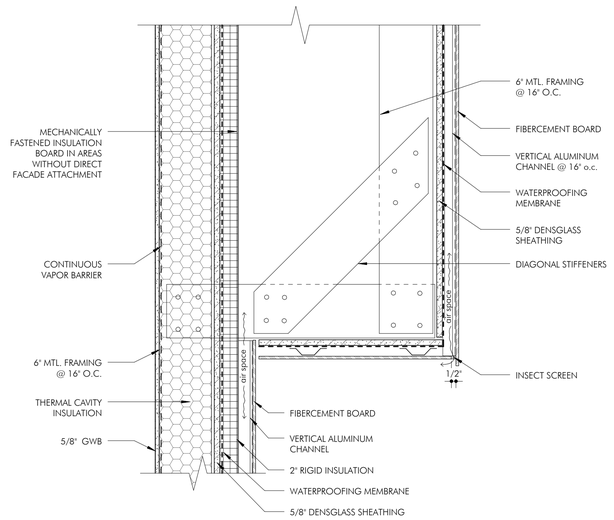
CURTAIN WALL ELEVATION AND DETAILS

SEAL & SIGNATURE

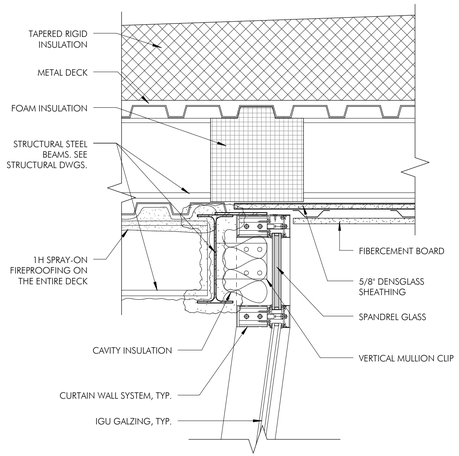
DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	BT
CHECKED BY:	RS
DRAWING NO:	A-501.00
CADD FILE NO: J:\Proj2013\607 BASIS	61 of 272



7 PARAPET DETAIL ABOVE CURTAIN WALL HEAD — SHEET REF A-405.00 — SCALE 1 1/2" = 1'-0"



6 THEATER SOFFIT DETAIL — SHEET REF A-405.00 — SCALE 1 1/2" = 1'-0"



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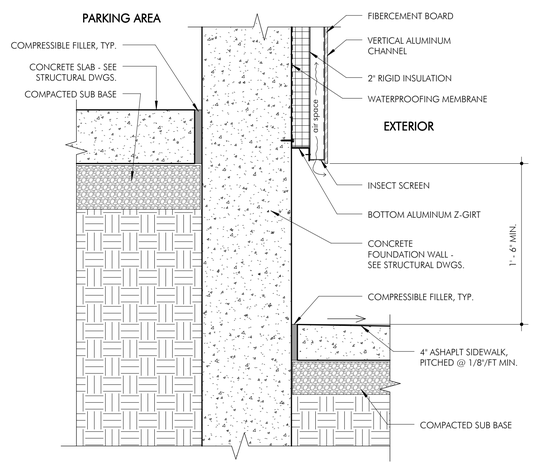
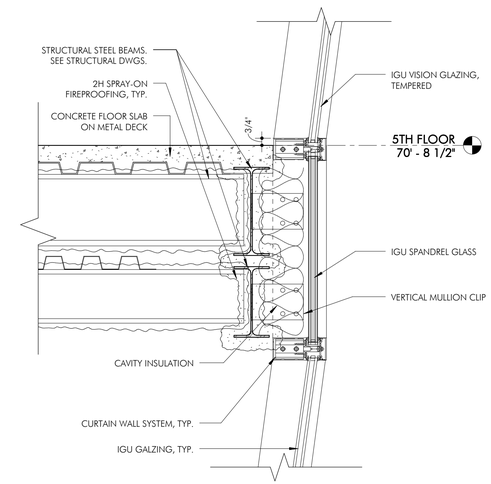
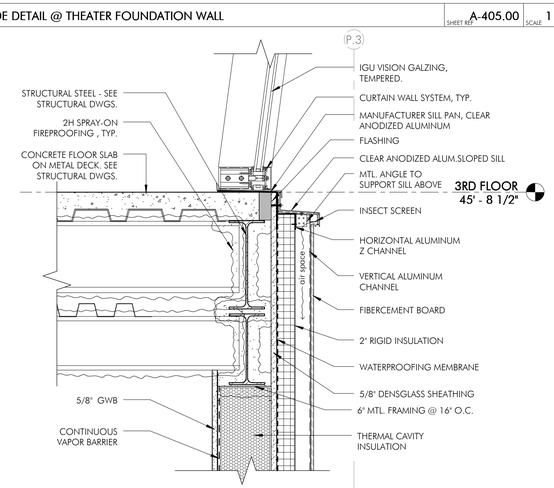


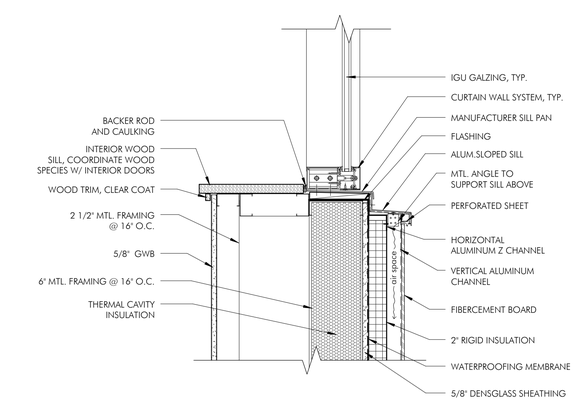
5 RAINSCREEN FACADE DETAIL @ THEATER FOUNDATION WALL — SHEET REF A-405.00 — SCALE 1 1/2" = 1'-0"



2 CURTAIN WALL - SLAB EDGE TYPICAL SECTION DETAIL — SHEET REF A-405.00 — SCALE 1 1/2" = 1'-0"



4 CURTAIN WALL SILL TYPICAL DETAIL @ CONCRETE SLAB EDGE — SHEET REF A-405.00 — SCALE 1 1/2" = 1'-0"



3 CURTAIN WALL - SILL TYPICAL SECTION DETAIL — SHEET REF A-405.00 — SCALE 1 1/2" = 1'-0"

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DOB BSCAN

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15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
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CURTAIN WALL & RAINSCREEN FACADE SECTION DETAILS

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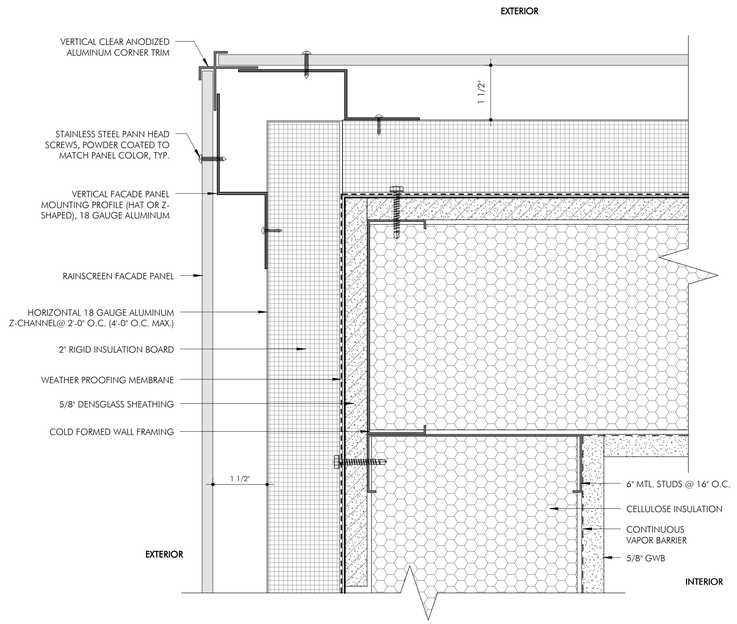
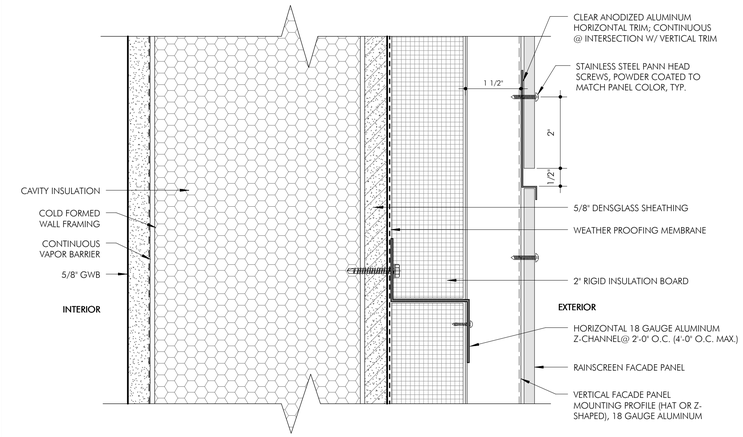
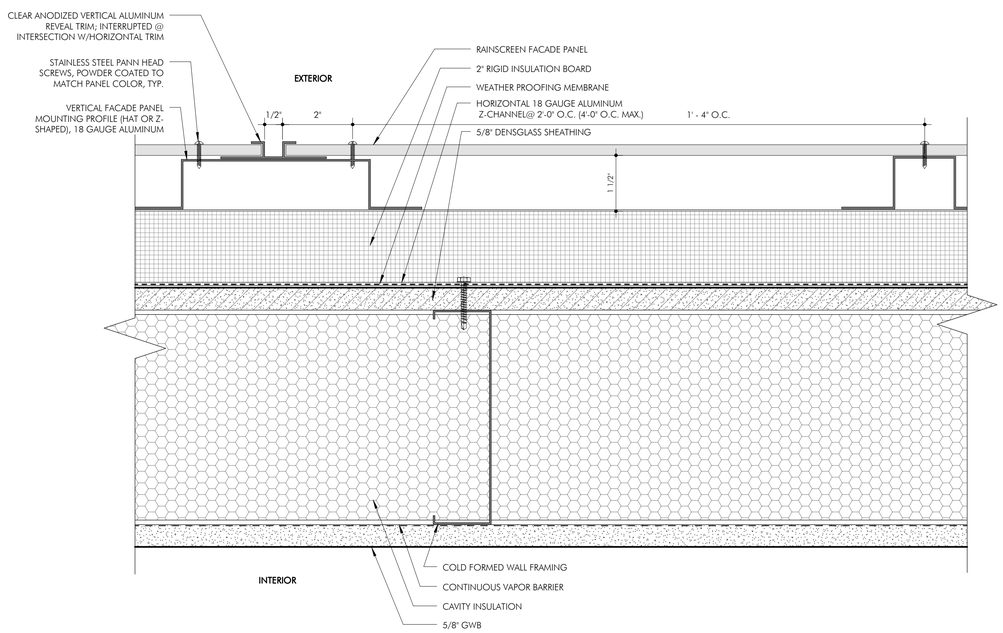


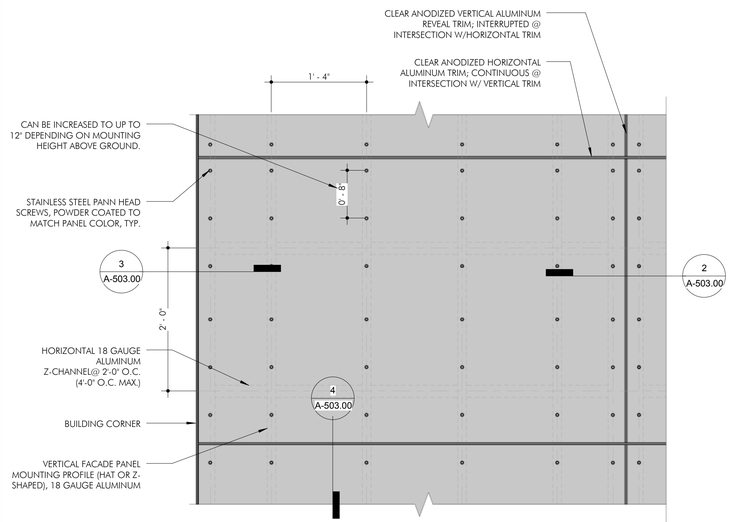
3 TYPICAL CORNER JOINT — SHEET REF A-503.00 — SCALE 6" = 1'-0"



4 TYPICAL HORIZONTAL JOINT — SHEET REF A-503.00 — SCALE 6" = 1'-0"



2 TYPICAL VERTICAL JOINT — SHEET REF A-503.00 — SCALE 6" = 1'-0"



1 TYPICAL RAINSCREEN FACADE PANEL — SHEET REF — SCALE 1" = 1'-0"

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RAINSCREEN FACADE DETAILS

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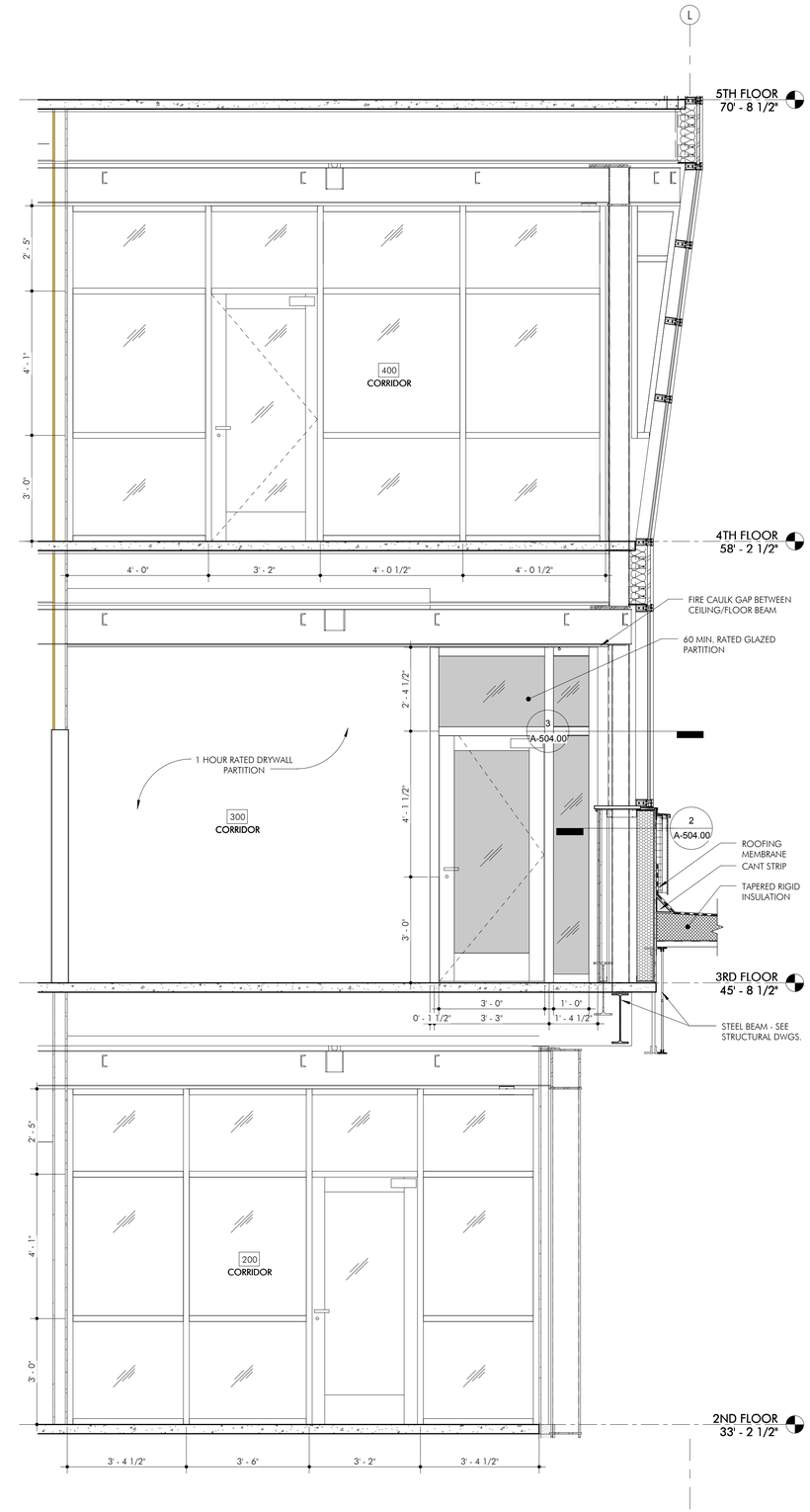
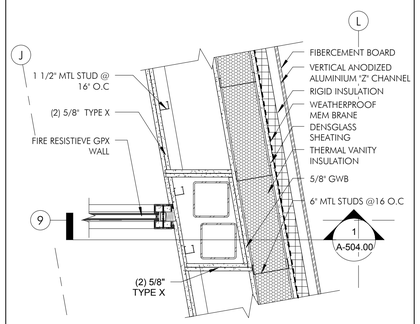
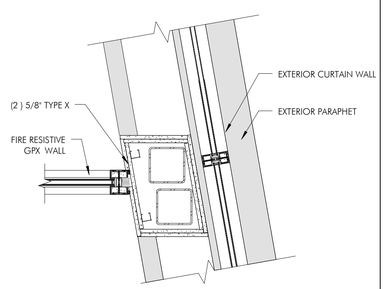




2 Section 7 SCALE 1" = 1'-0"



3 Section 8 SCALE 1" = 1'-0"

1 Section 4 SCALE 1/2" = 1'-0"

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INTERIOR STOREFRONT ELEVATION AND DETAILS

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DATE: 04/11/2014
PROJECT NO.: 13-607
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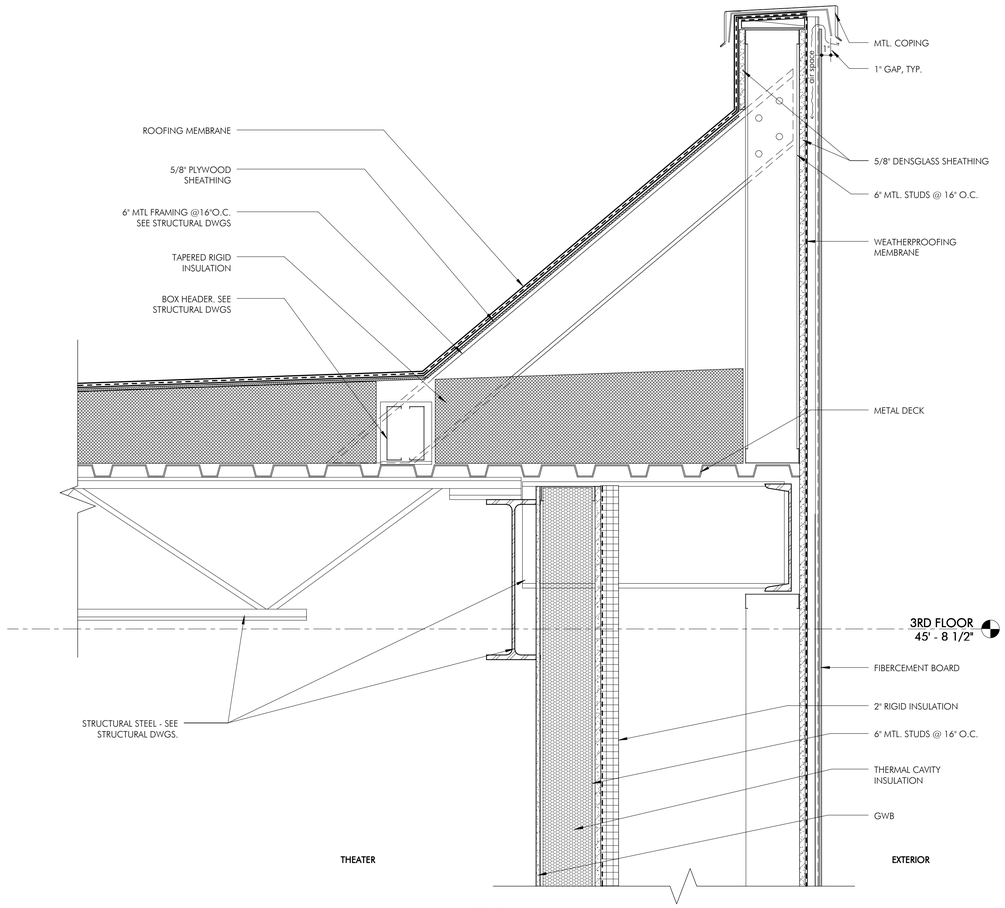
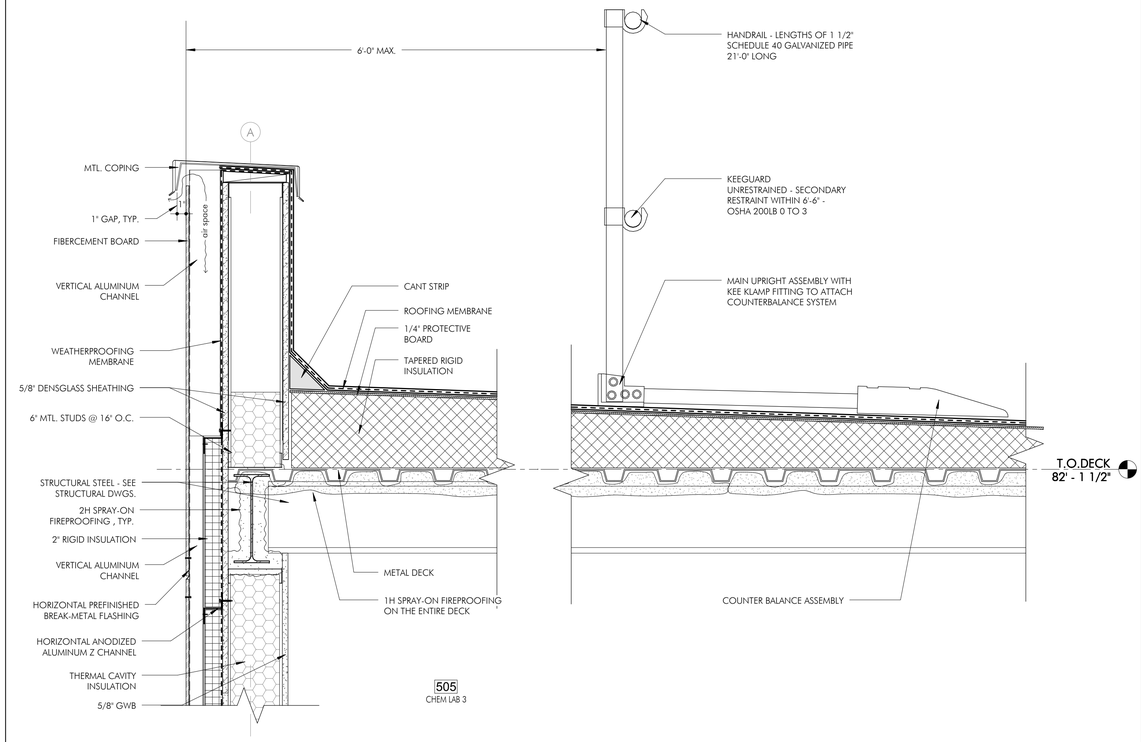
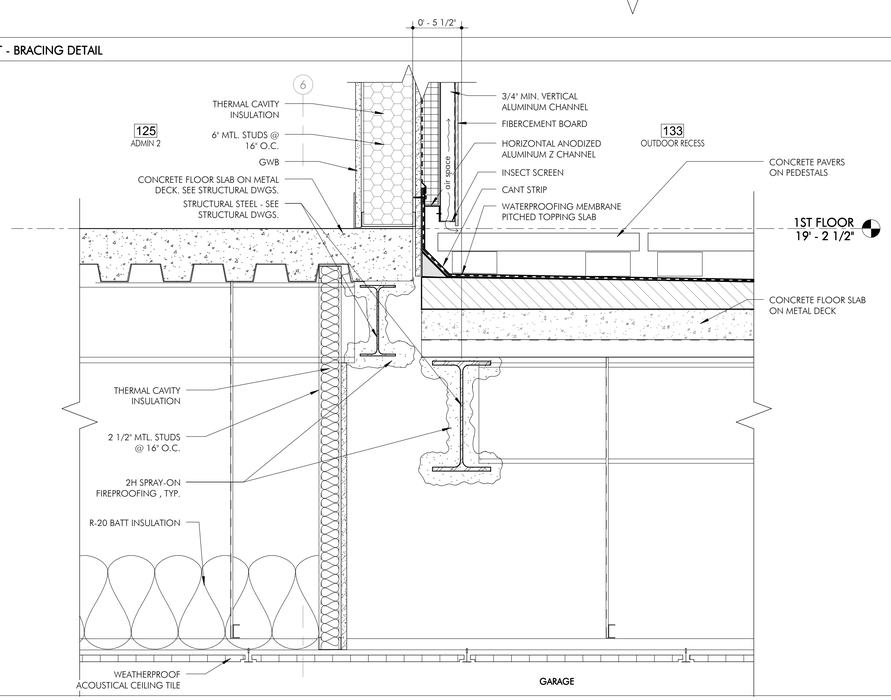


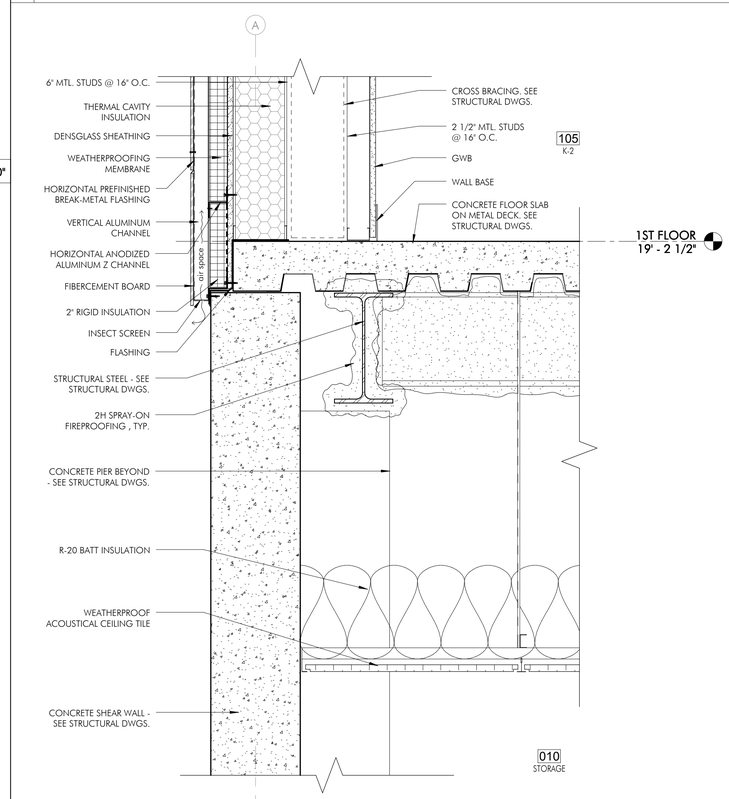
3 HIGH ROOF PARAPET - BRACING DETAIL SCALE 1 1/2" = 1'-0"



1 ROOF PARAPET TYPICAL DETAIL SCALE 1 1/2" = 1'-0"



4 INSULATED CEILING DETAIL @ GARAGE SCALE 1 1/2" = 1'-0"



2 SECTION DETAIL K-CLASSROOM FLOOR SCALE 1 1/2" = 1'-0"

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8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	01/17/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE-II
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-I
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT

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SECTION DETAILS @ EXTERIOR WALLS

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PROJECT NO.:	13-607
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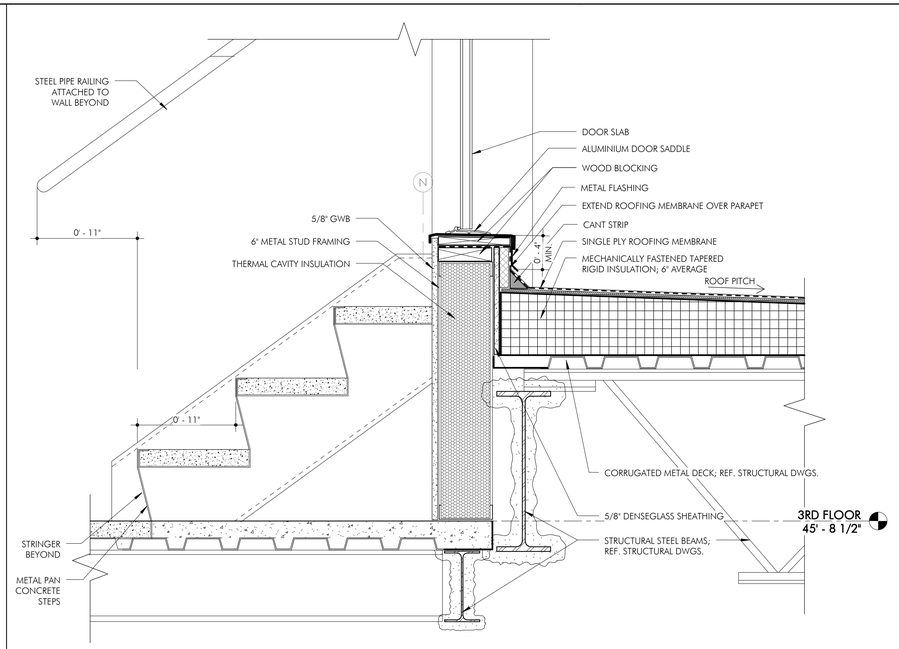
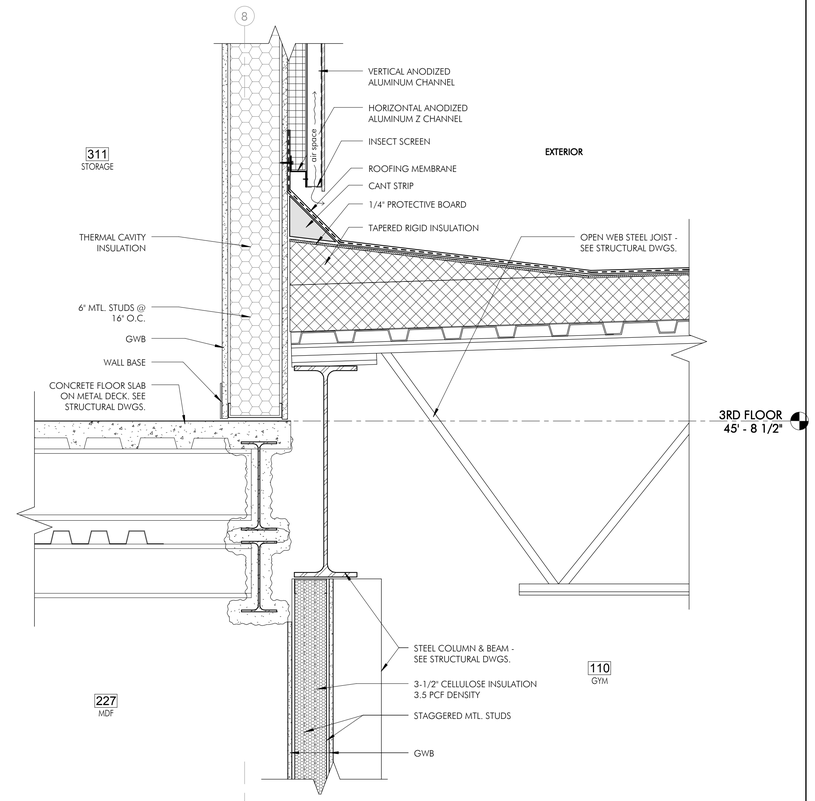
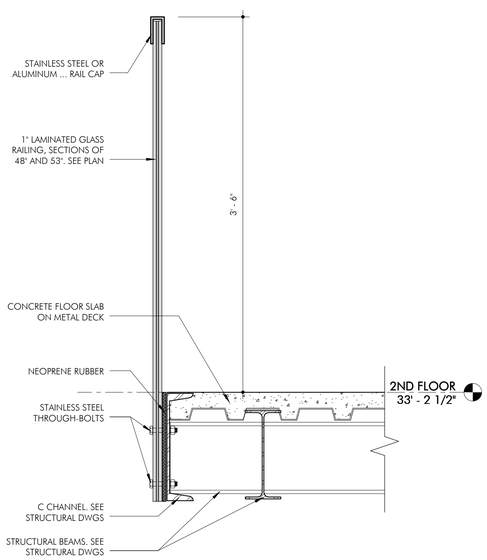


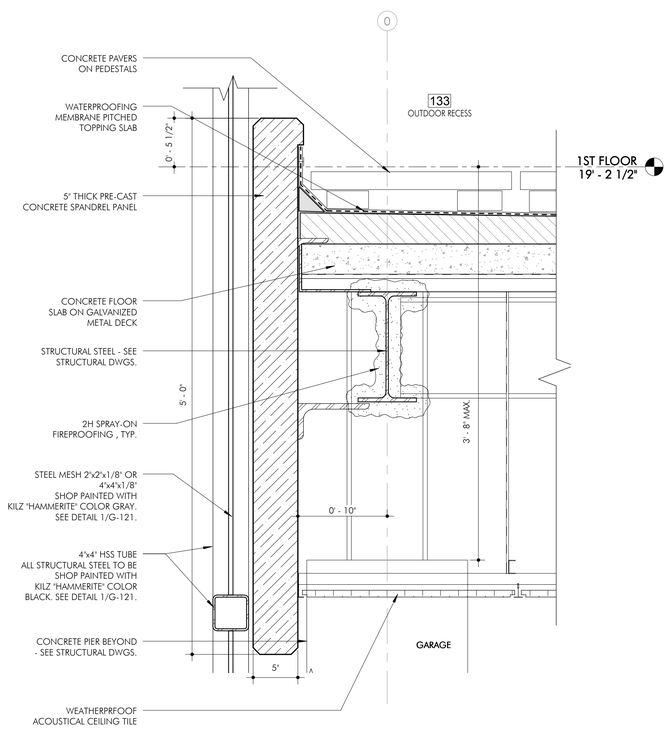
5 ROOF ACCESS & STEPS DETAIL — SHEET REF. A-103.00 — SCALE 1 1/2" = 1'-0"



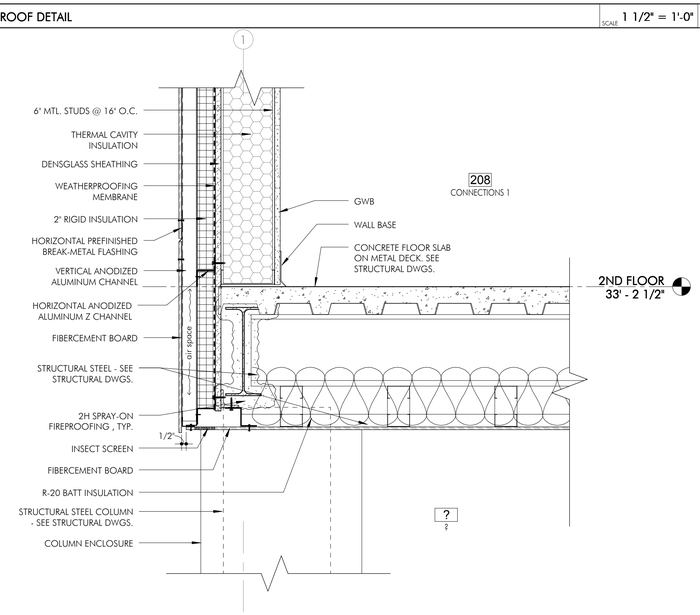
2 GYM ROOF DETAIL — SCALE 1 1/2" = 1'-0"



3 TYIPICAL CAFETERIA INTERIOR RAILING DETAIL — SCALE 1 1/2" = 1'-0"



1 OUTDOOR PLAY - PARAPET SECTION DETAIL — SCALE 1 1/2" = 1'-0"



4 SECTION DETAIL @ OUTDOOR K PLAY CEILING — SHEET REF. A-401.00 — SCALE 1 1/2" = 1'-0"

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6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-I
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING

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SECTION DETAILS @ EXTERIOR WALLS

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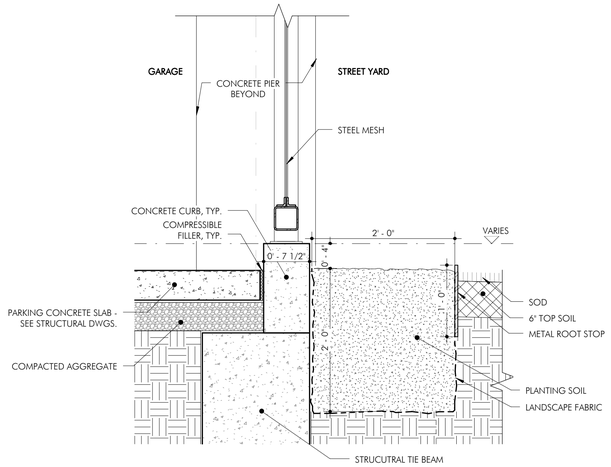
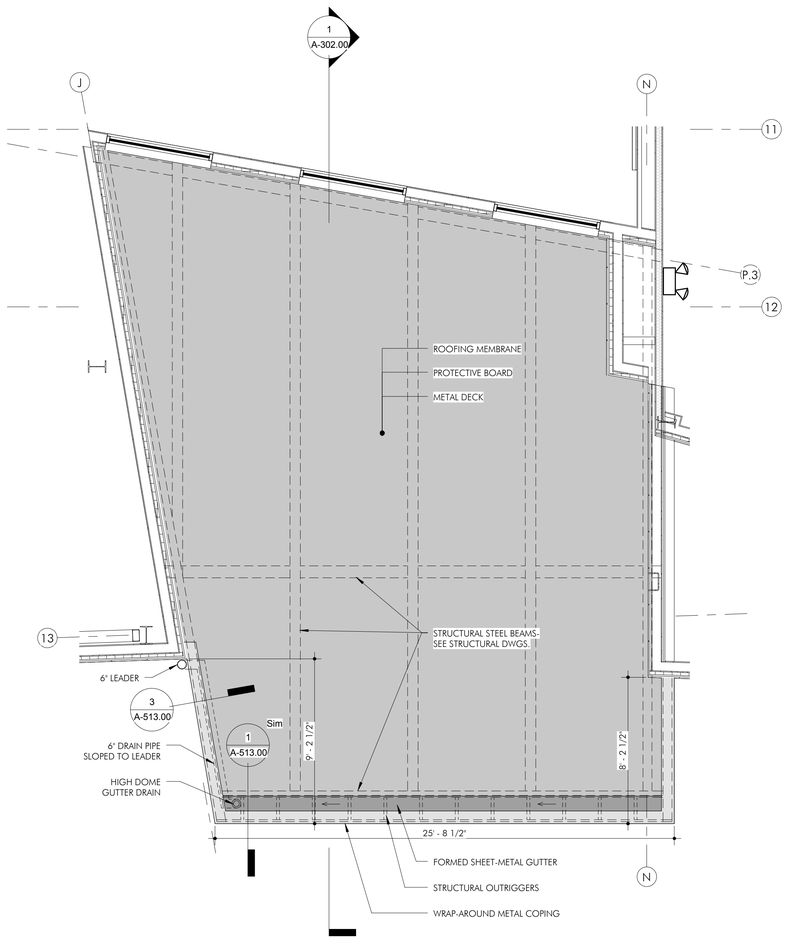


4 PLANTING TRENCH DETAIL — SCALE 1" = 1'-0"



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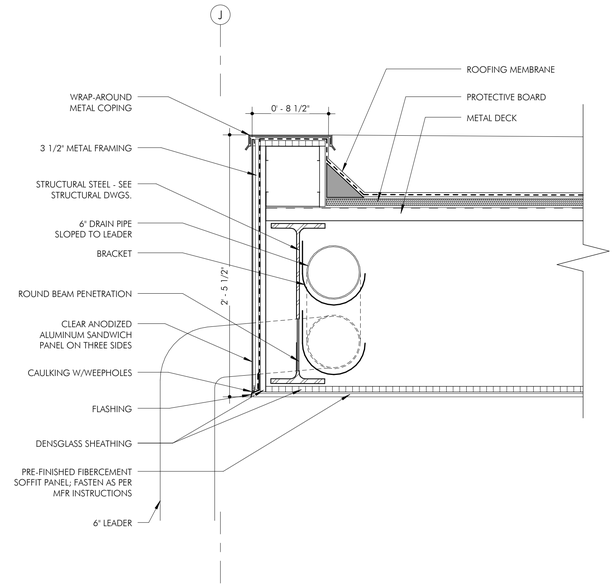
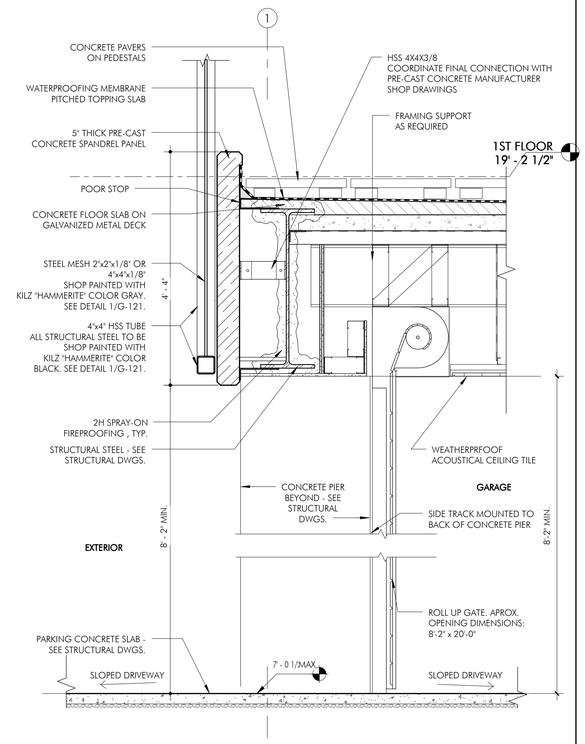
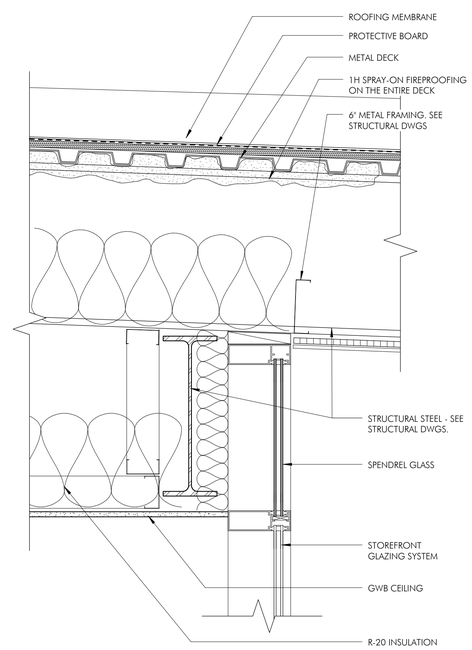
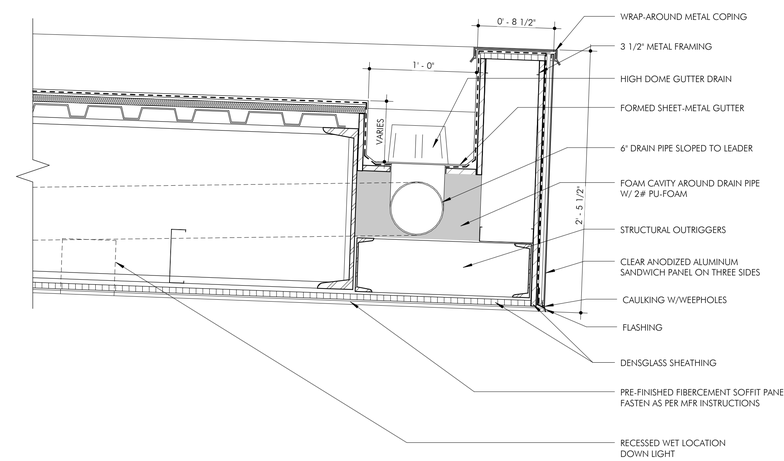


3 LOBBY ROOF SECTION DETAIL 2 — SHEET #/ A-513.00 — SCALE 1 1/2" = 1'-0"



5 ROLL UP GATE DETAIL — SHEET #/ A-100.00 — SCALE 3/4" = 1'-0"





1 LOBBY ROOF SECTION DETAIL 1 — SCALE 1 1/2" = 1'-0"

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DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
1.5	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	01/17/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE-II
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-I
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING

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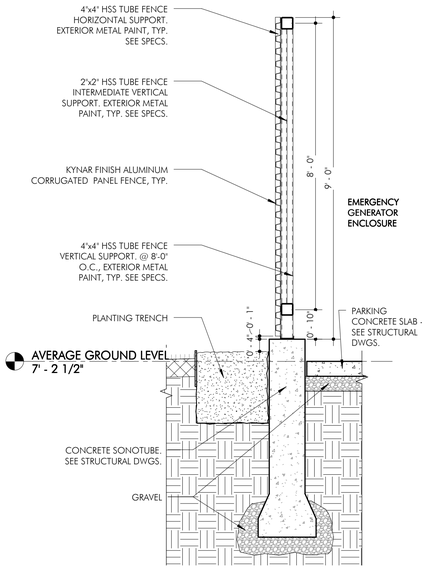
556 COLUMBIA STREET
BROOKLYN, NY 11231

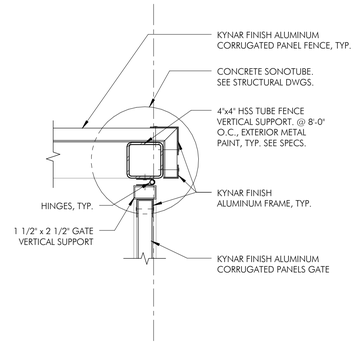
SECTION DETAILS @ EXTERIOR WALLS

SEAL & SIGNATURE

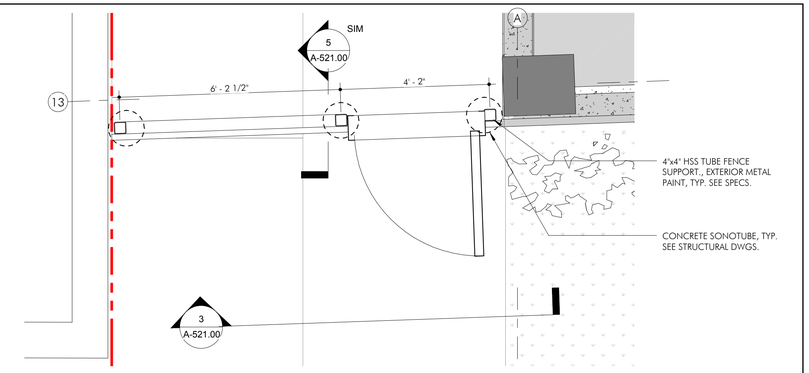
DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	IO
CHECKED BY:	RS
DRAWING NO:	A-513.00
CADD FILE NO: J:\Proj2013\607 BASIS	67 of 272



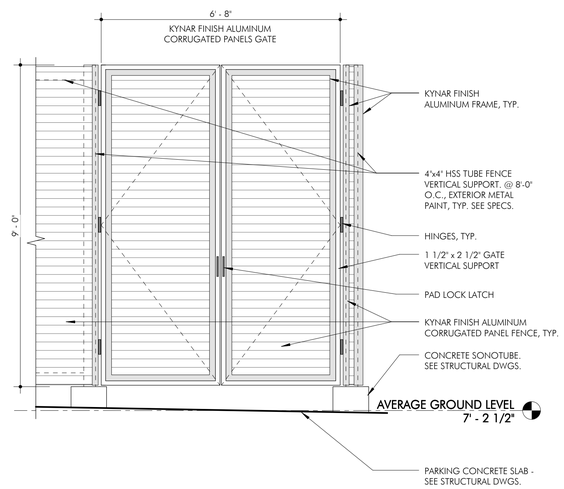
5 EMERGENCY GENERATOR FENCE DETAIL — SCALE 1/2" = 1'-0"



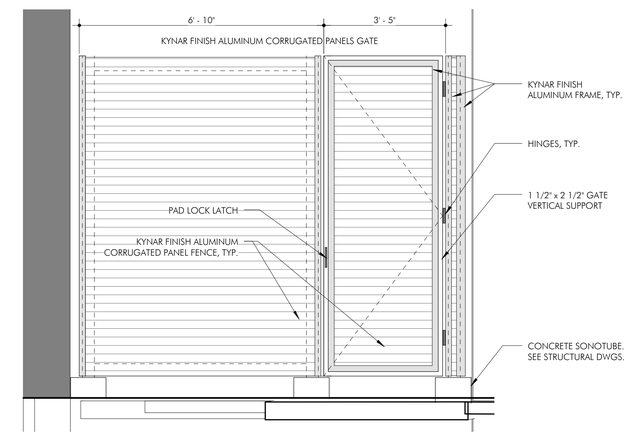
6 CORRUGATED PANEL FENCE - CORNER DETAIL — SCALE 1 1/2" = 1'-0"



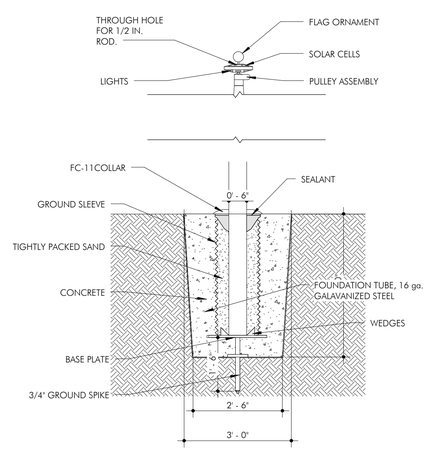
7 ENLARGED PLAN - CORRUGATED METAL DOOR — SCALE 1/4" = 1'-0"



4 EMERGENCY GENERATOR - GATE ELEVATION — SHEET REF A-521.00 — SCALE 1/2" = 1'-0"

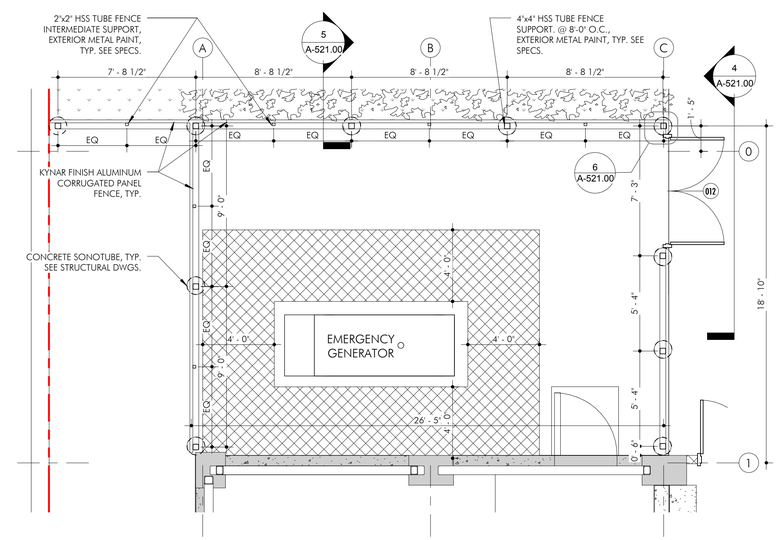


3 SINGLE CORRUGATED DOOR — SHEET REF A-521.00 — SCALE 1/2" = 1'-0"



GROUNDSET 35' TAPERED ALUMINUM FLAGPOLE

1 ALUMINUM FLAGPOLE DETAIL — SHEET REF — SCALE 1/2" = 1'-0"



2 EMERGENCY GENERATOR FENCE - ENLARGED PLAN — SCALE 1/4" = 1'-0"

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DOB BSCAN

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5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
2	10/18/2013	OWNER	OWNER REVIEW

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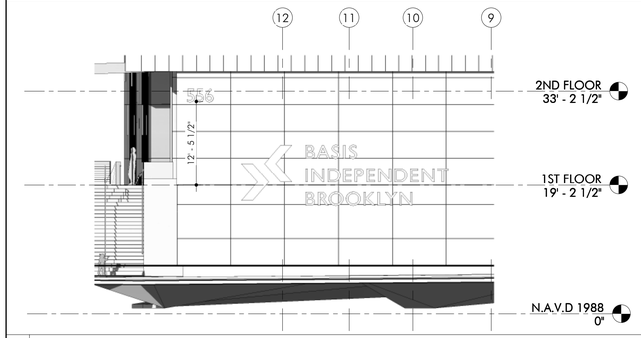
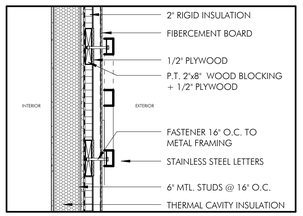
EMERGENCY GENERATOR FENCE, ROLL UP GATE & FLAGPOLE DETAILS

SEAL & SIGNATURE

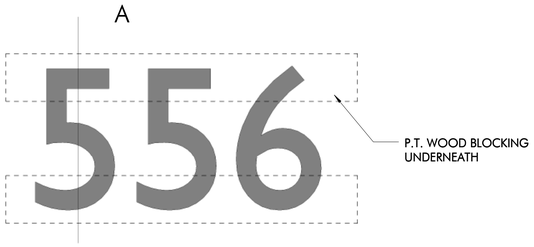
DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	IO
CHECKED BY:	RS
DRAWING NO:	A-521.00
CADD FILE NO: J:\Proj2013\607 BASIS	68 of 272



4 EXTERIOR SIGN KEY VIEW — SCALE 3/32" = 1'-0"

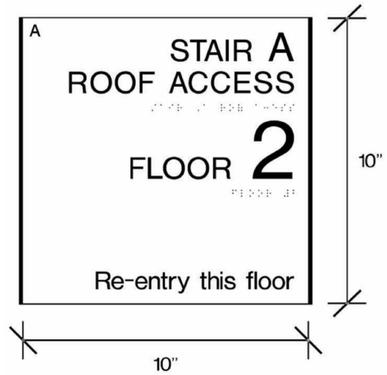


2 SECTION DETAIL A — SCALE 3/4" = 1'-0"



3 ELEVATION OF EXTERIOR SIGN LETTERING-2 — SCALE 1" = 1'-0"

Sign Type S2



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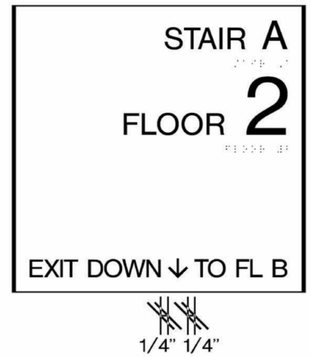
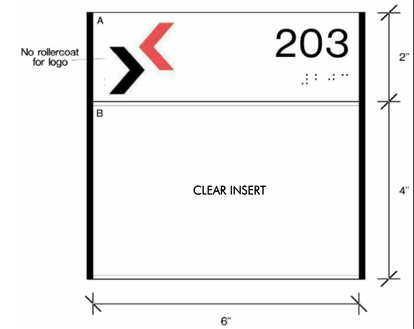


Sign Type S3A



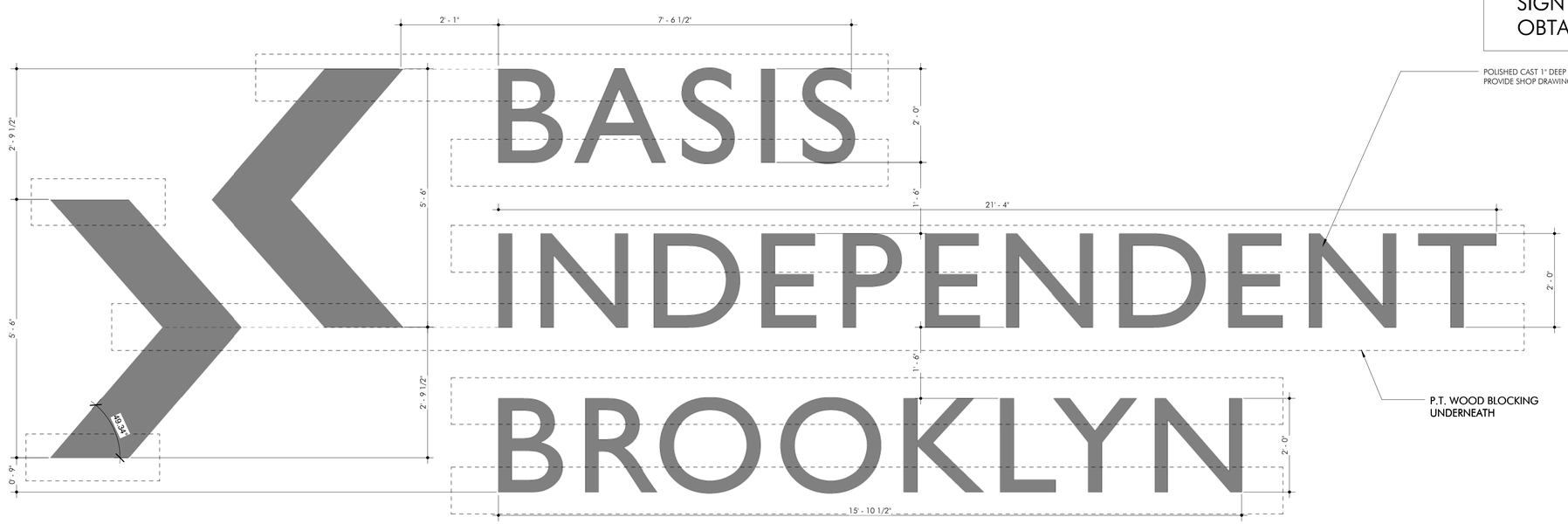
Sign Type S4

Sign Type S5

Sign Type S6

2 DOOR SIGNS — NOT SCALED

SIGN CONTRACTOR TO OBTAIN NYC SIGN PERMIT



1 ELEVATION OF EXTERIOR SIGN LETTERING — SCALE 3/4" = 1'-0"

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DOB BSCAN

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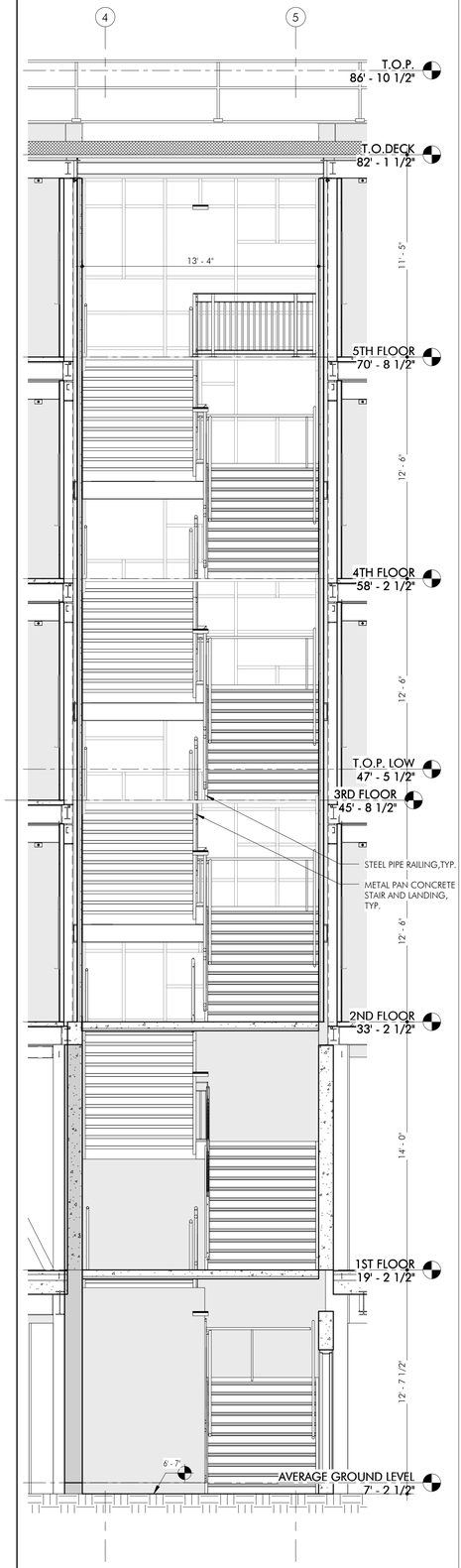
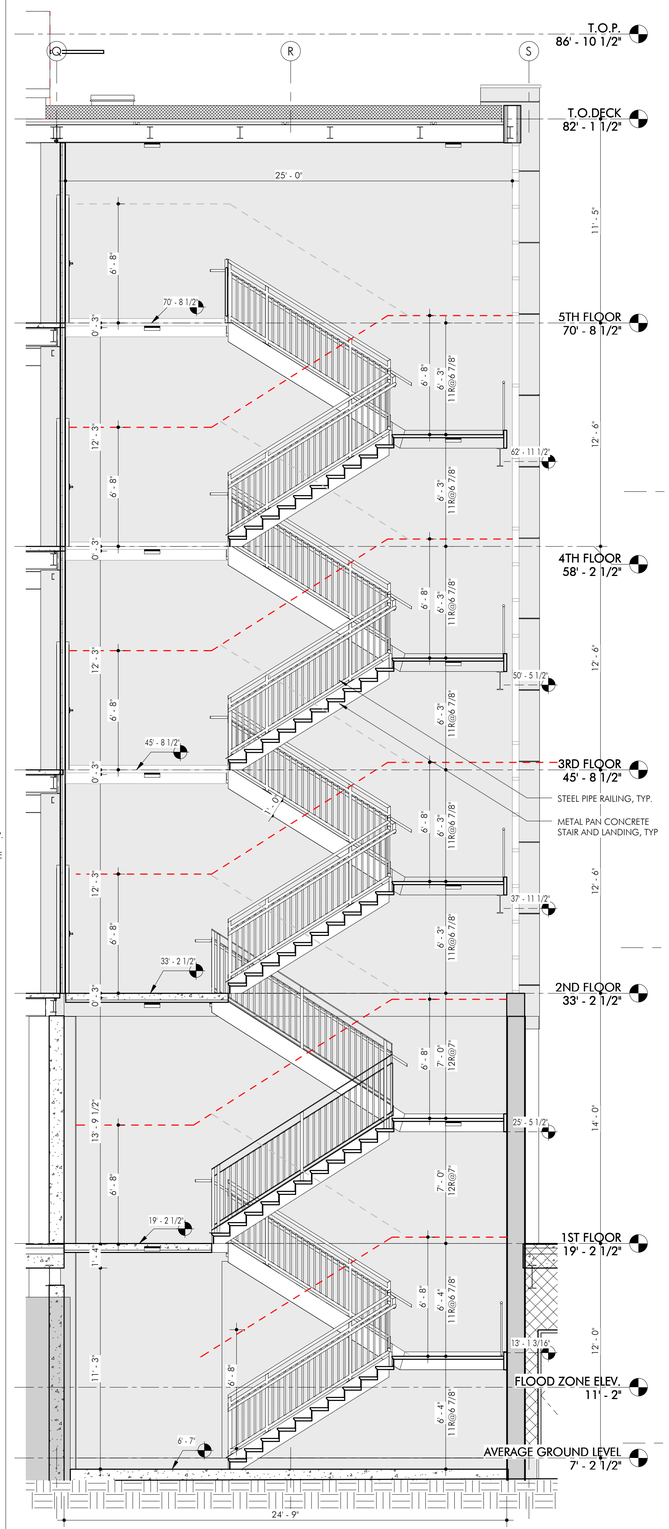
ENTRY & TYPICAL SIGNAGE ELEVATIONS & DETAILS

SEAL & SIGNATURE

DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	BT
CHECKED BY:	RS
DRAWING NO:	A-531.00
CADD FILE NO: J:\Proj2013\607 BASIS	69 of 272



8 STAIR A - SECTION B-B 1/4"= 1'-00"



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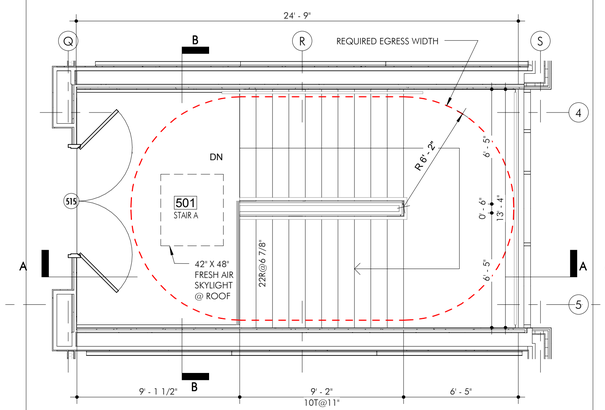
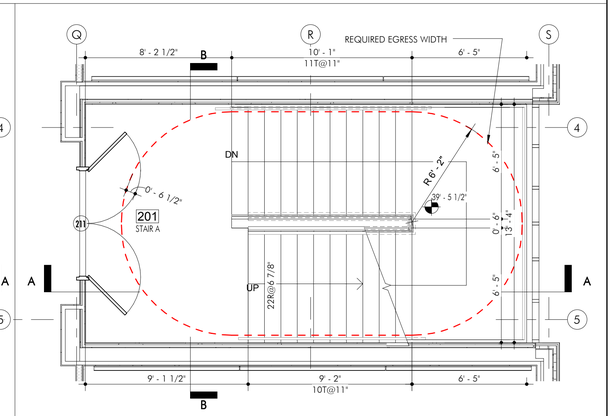
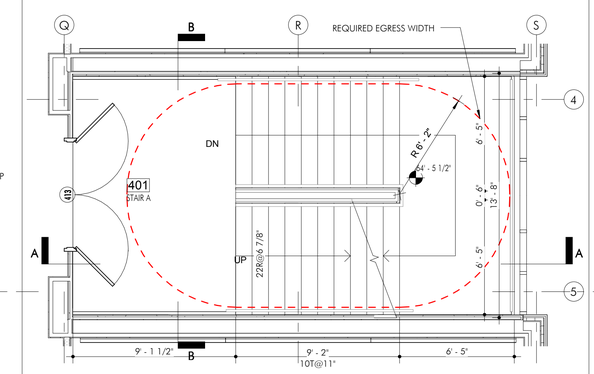


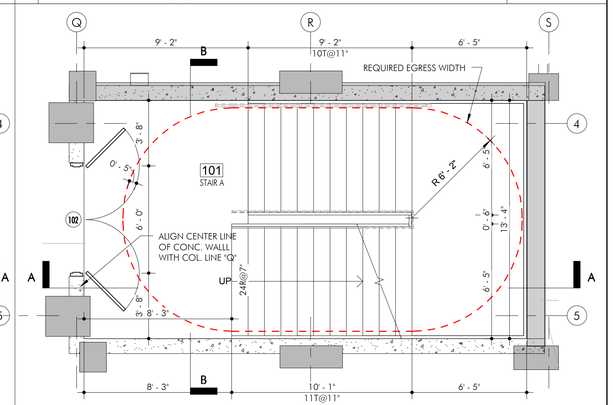
6 STAIR A - FIFTH FLOOR PLAN 1/4"= 1'-00"



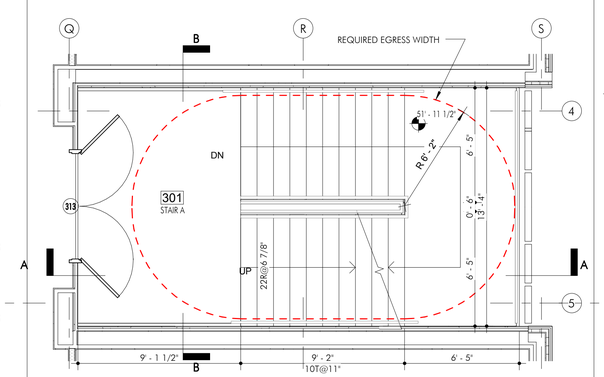
5 STAIR A - SECOND LEVEL PLAN 1/4"= 1'-00"



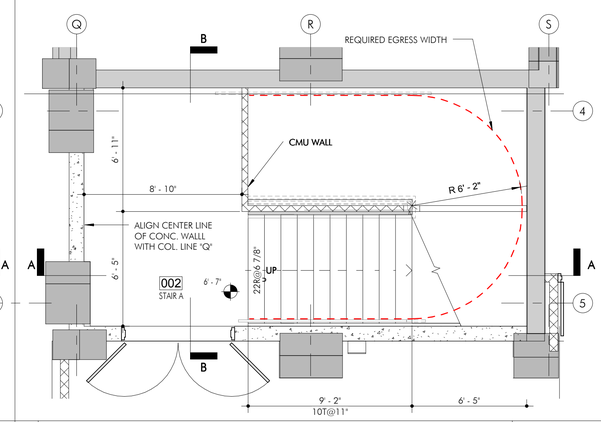
4 STAIR A - FOURTH LEVEL PLAN 1/4"= 1'-00"



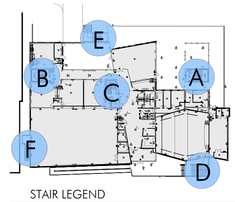
3 STAIR A - FIRST LEVEL PLAN 1/4"= 1'-00"



2 STAIR A - THIRD LEVEL PLAN 1/4"= 1'-00"



1 STAIR A - PARKING LEVEL PLAN 1/4"= 1'-00"



STAIR LEGEND

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DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
15	03/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
9	04/11/2014	CLIENT AND CONTRACTOR	BULLETIN 1
8	02/17/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	01/17/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE: III
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE: I
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
2	10/18/2013	OWNER	OWNER REVIEW

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STAIR A ENLARGED PLANS AND SECTIONS

SEAL & SIGNATURE

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PROJECT NO.:	13-607
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CHECKED BY:	RS
DRAWING NO:	A-600.00
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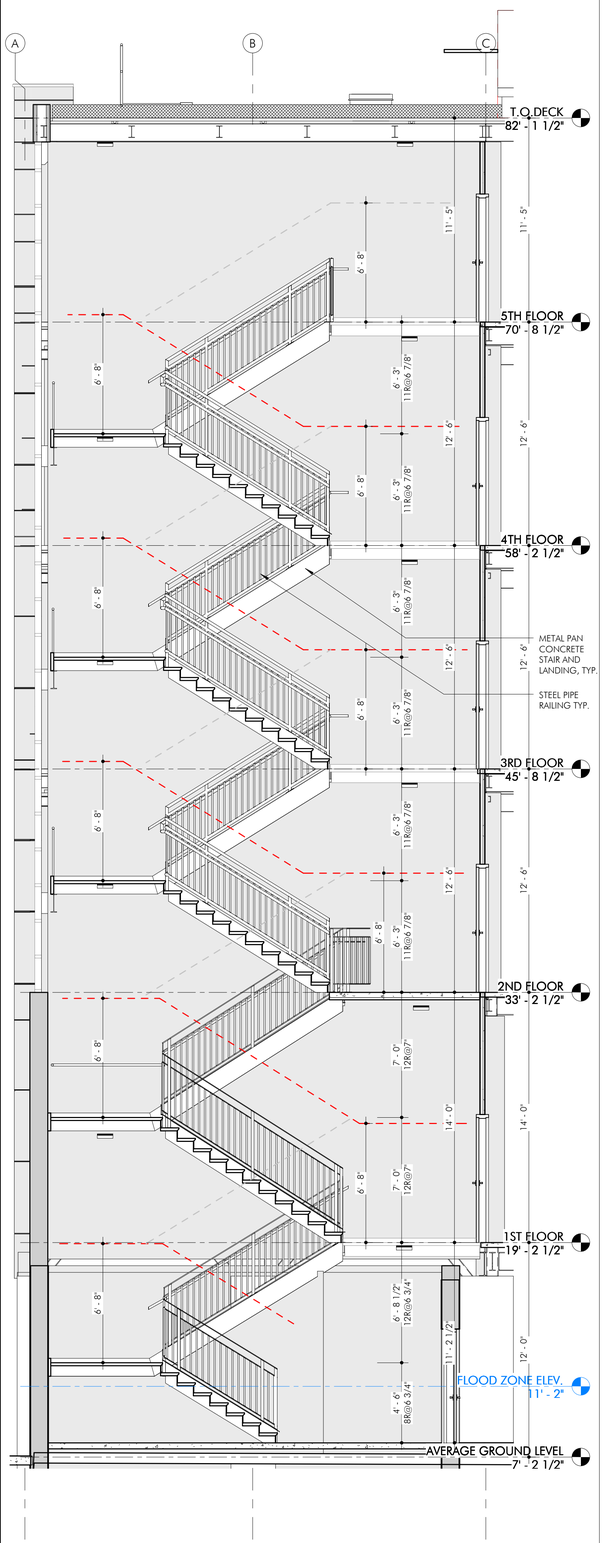
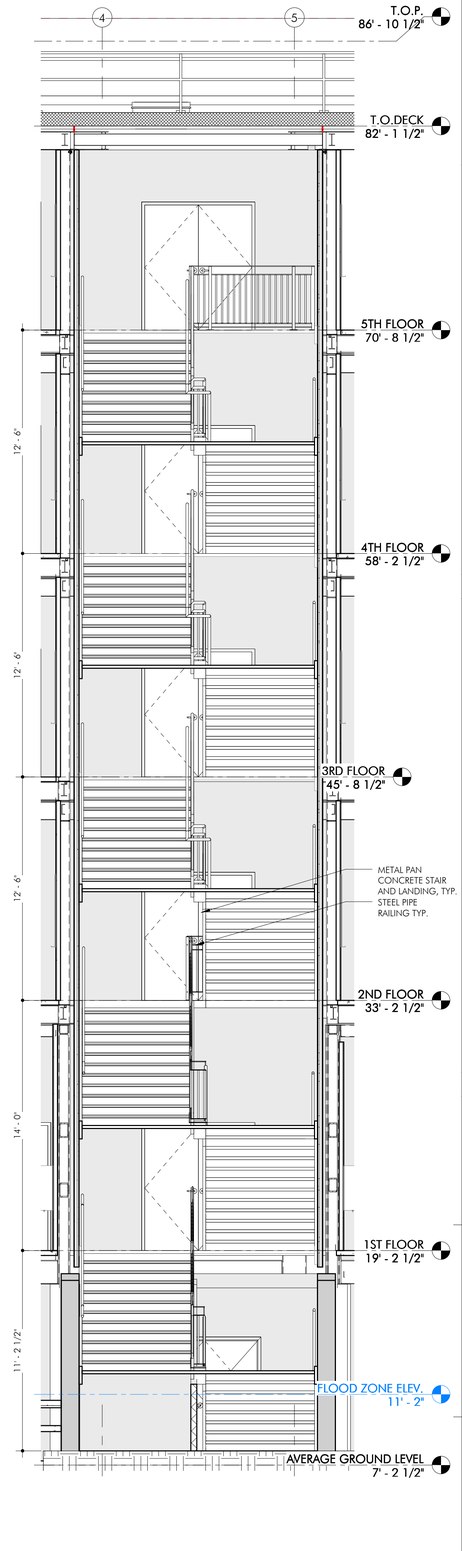


8 STAIR B - SECTION B-B 1/4"= 1'-00"



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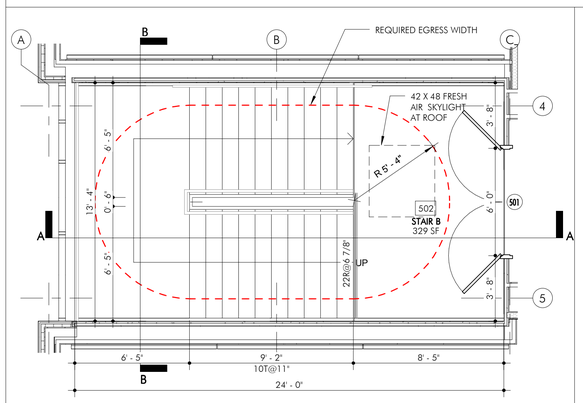
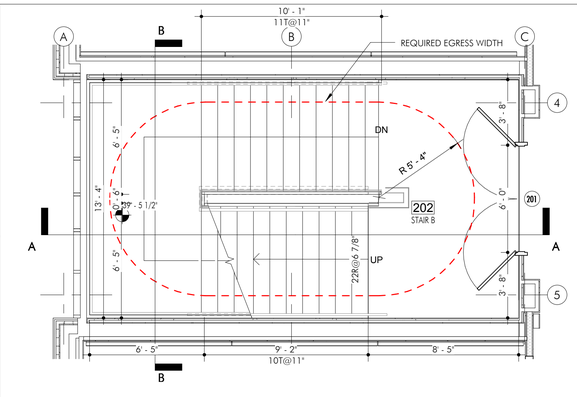
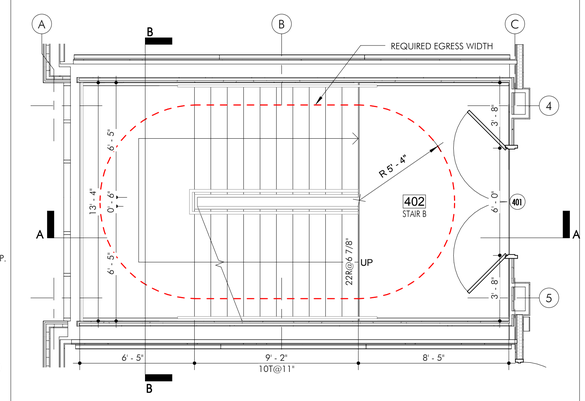


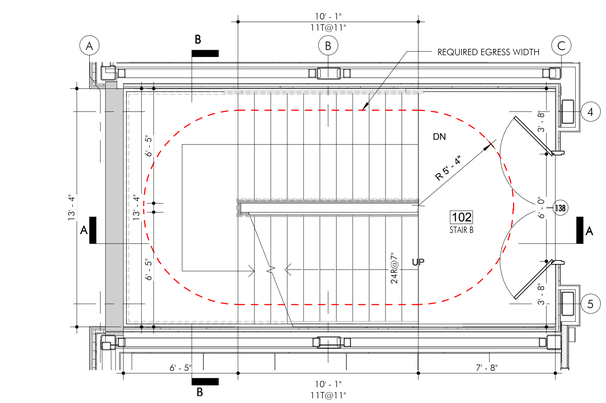
6 STAIR B - FIFTH FLOOR PLAN 1/4"= 1'-00"



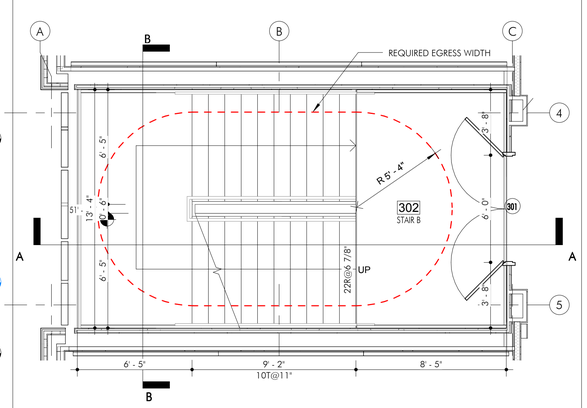
5 STAIR B - SECOND LEVEL PLAN 1/4"= 1'-00"



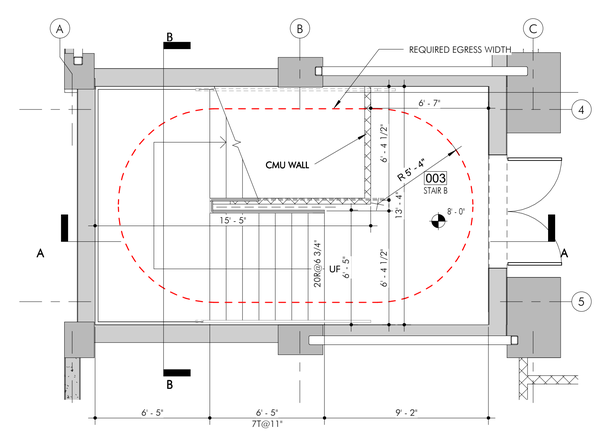
4 STAIR B - FOURTH LEVEL PLAN 1/4"= 1'-00"



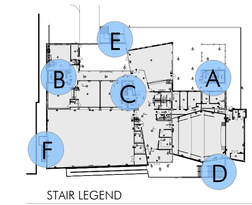
3 STAIR B - FIRST LEVEL PLAN 1/4"= 1'-00"



2 STAIR B - THIRD LEVEL PLAN 1/4"= 1'-00"



1 STAIR B - PARKING LEVEL PLAN 1/4"= 1'-00"



STAIR LEGEND

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3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT

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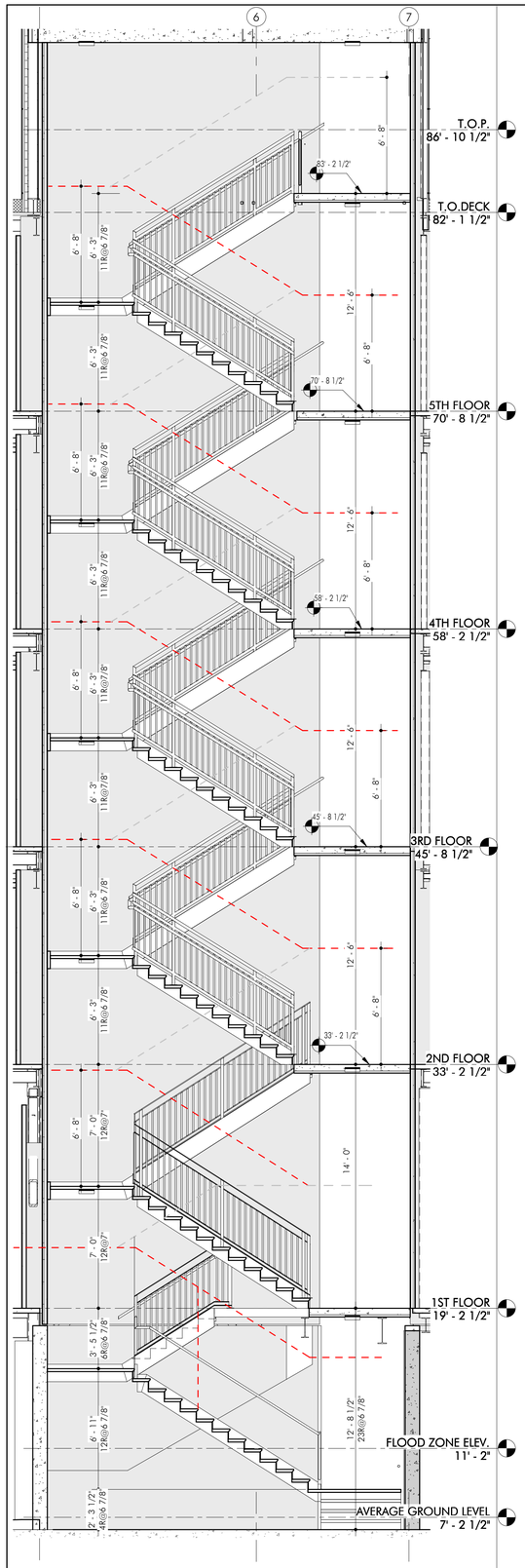
NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

556 COLUMBIA STREET
BROOKLYN, NY 11231

STAIR B ENLARGED PLANS AND SECTIONS

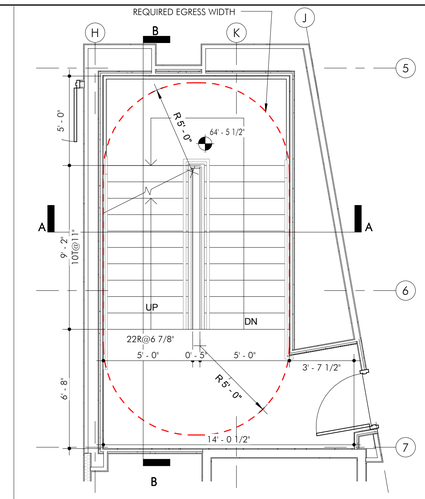
SEAL & SIGNATURE

DATE: 04/11/2014
PROJECT NO.: 13-607
DRAWN BY: BT
CHECKED BY: RS
DRAWING NO:
A-601.00
CADD FILE NO: J:\Proj2013\607 BASIS

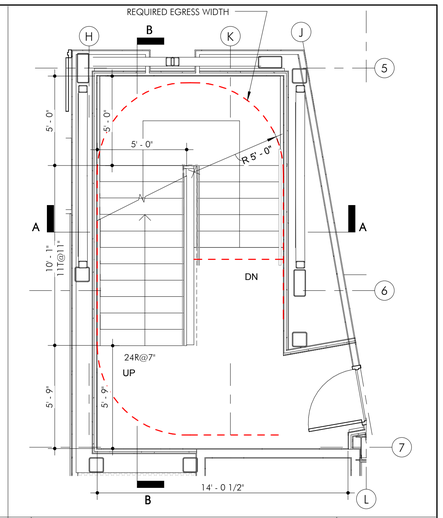


10 STAIR C - SECTION B-B 1/4"= 1'-0"

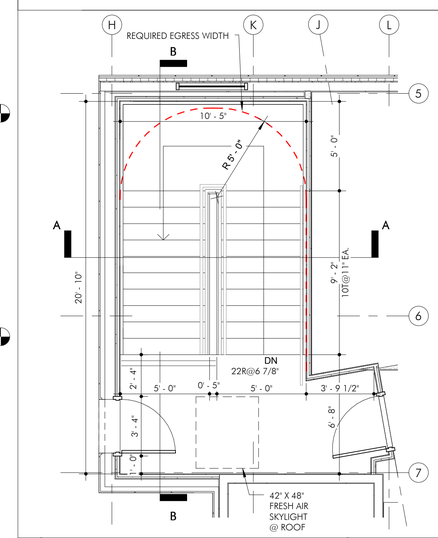
9 STAIR C - SECTION A-A 1/4"= 1'-0"



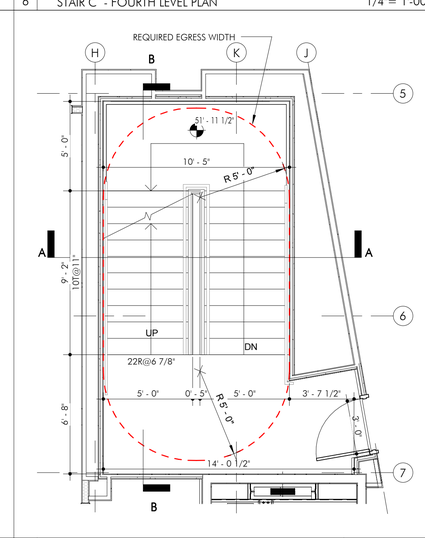
6 STAIR C - FOURTH LEVEL PLAN 1/4"= 1'-0"



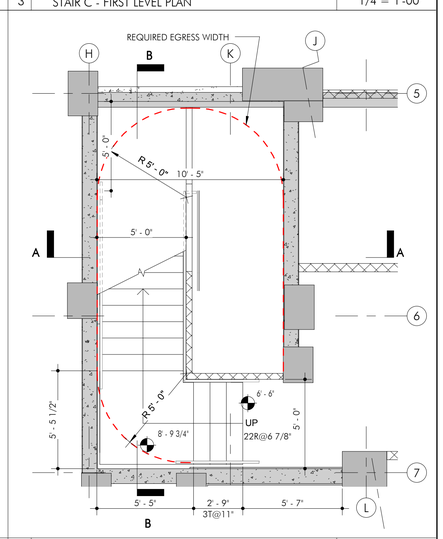
3 STAIR C - FIRST LEVEL PLAN 1/4"= 1'-0"



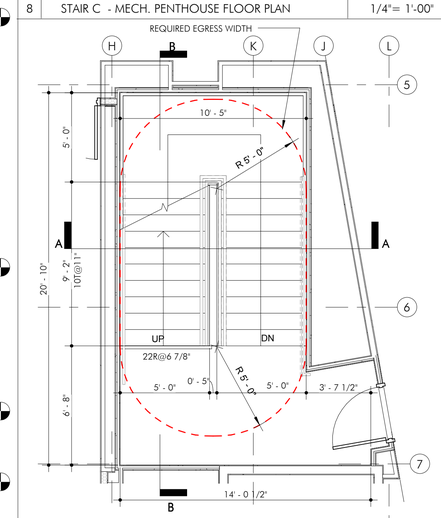
8 STAIR C - MECH. PENTHOUSE FLOOR PLAN 1/4"= 1'-0"



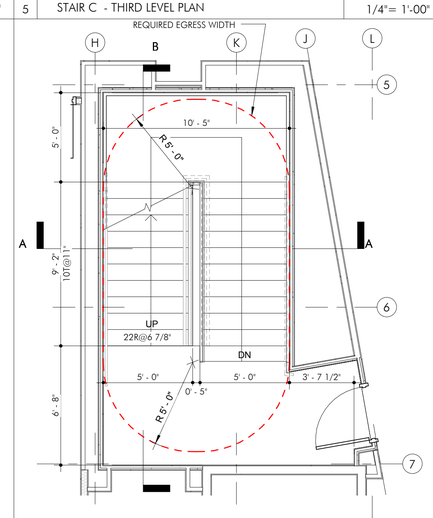
5 STAIR C - THIRD LEVEL PLAN 1/4"= 1'-0"



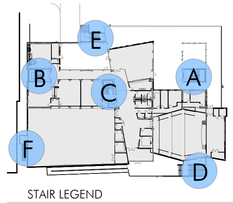
2 STAIR C - PARKING LEVEL PLAN 1/4"= 1'-0"



7 STAIR C - FIFTH FLOOR PLAN 1/4"= 1'-0"



4 STAIR C - SECOND LEVEL PLAN 1/4"= 1'-0"



STAIR LEGEND

1 KEY PLAN - STAIR LEGEND NO SCALE

PARTNERS FOR ARCHITECTURE
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BASIS INDEPENDENT SCHOOLS

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phone 520.577.4560 www.cca-az.com

ALL THE PROJECT FLOOR ELEVATIONS HAVE BEEN REVISED TO REFLECT N.A.V.D. 1988 STANDARD.(1.46' ABOVE BROOKLYN TOPOGRAPHICAL BUREAU.)

DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
9	04/11/2014	CLIENT AND CONTRACTOR	BULLETIN 1
8	02/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	01/17/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE-II
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-I
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
2	10/18/2013	OWNER	OWNER REVIEW

NORTH

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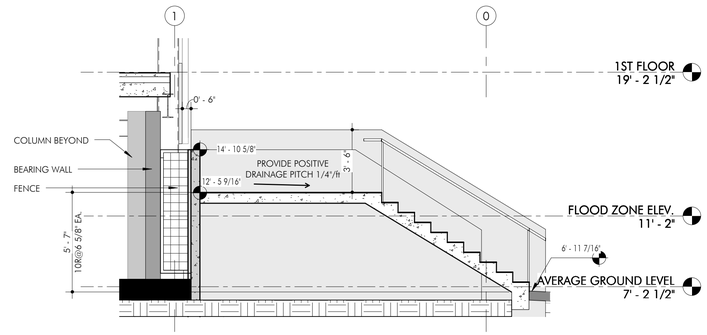
NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

556 COLUMBIA STREET
BROOKLYN, NY 11231

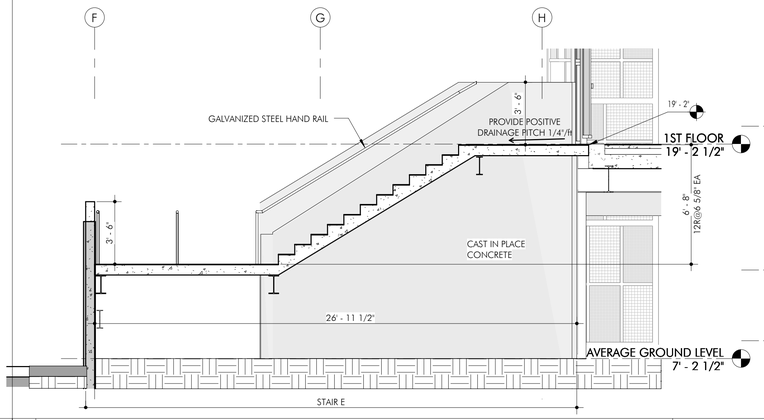
STAIR C ENLARGED PLANS AND SECTIONS

SEAL & SIGNATURE

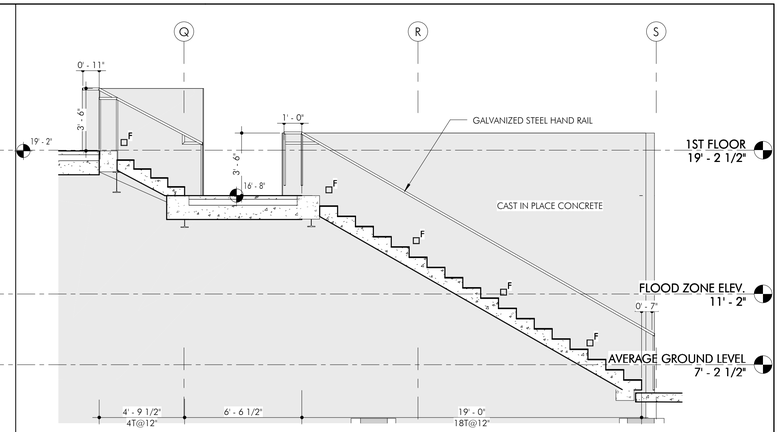
DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	BT
CHECKED BY:	RS
DRAWING NO:	A-602.00
CADD FILE NO: J:\Proj2013\607 BASIS	72 of 272



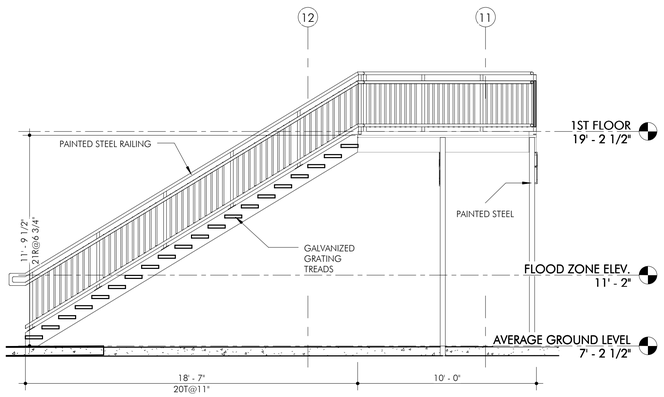
9 STAIR E SECTION III SCALE 1/4" = 1'-0"



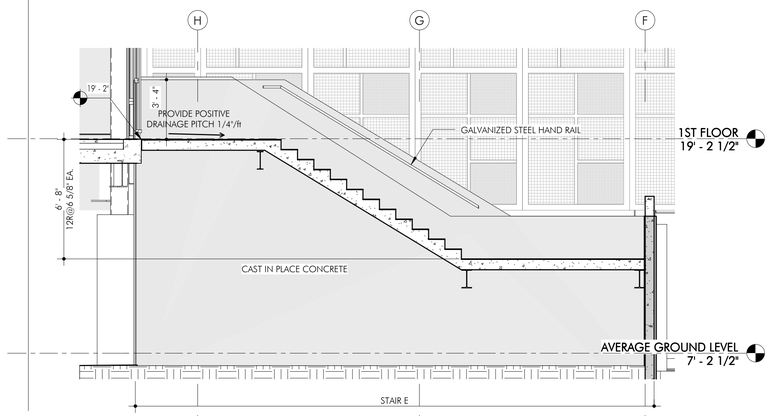
7 STAIR E SECTION I SCALE 1/4" = 1'-0"



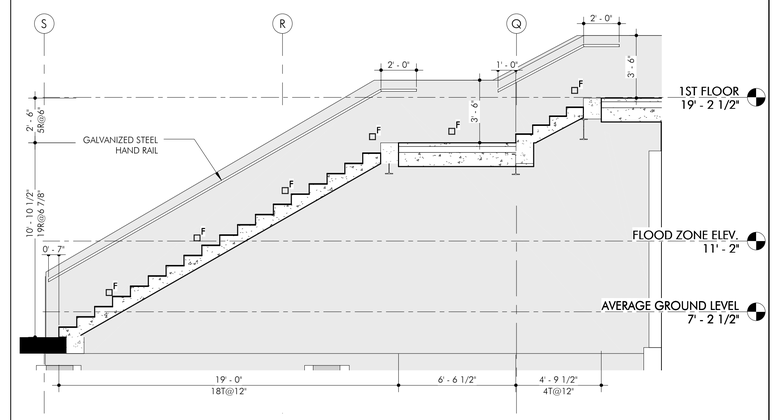
5 STAIR D SECTION II SCALE 1/4" = 1'-0"



6 STAIR F SECTION I SCALE 1/4" = 1'-0"



8 STAIR E SECTION II SCALE 1/4" = 1'-0"



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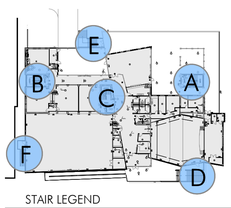
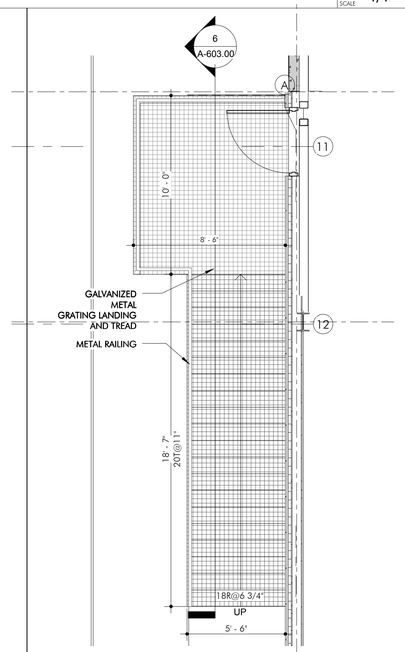
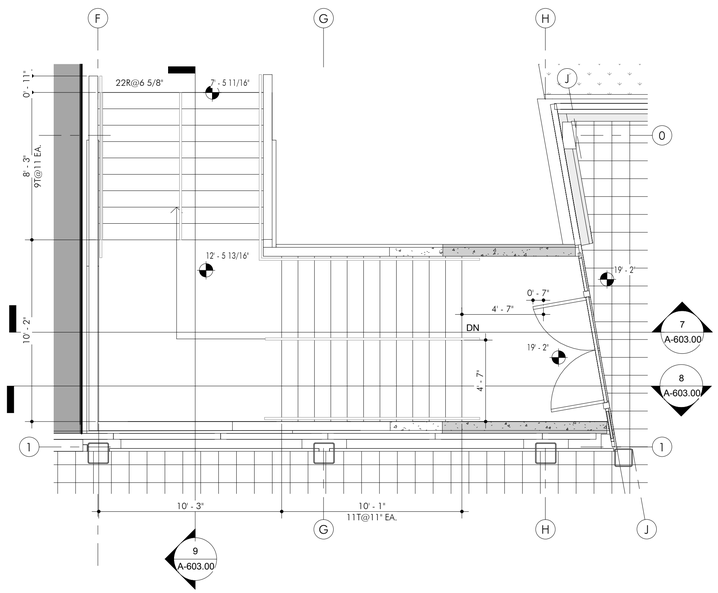


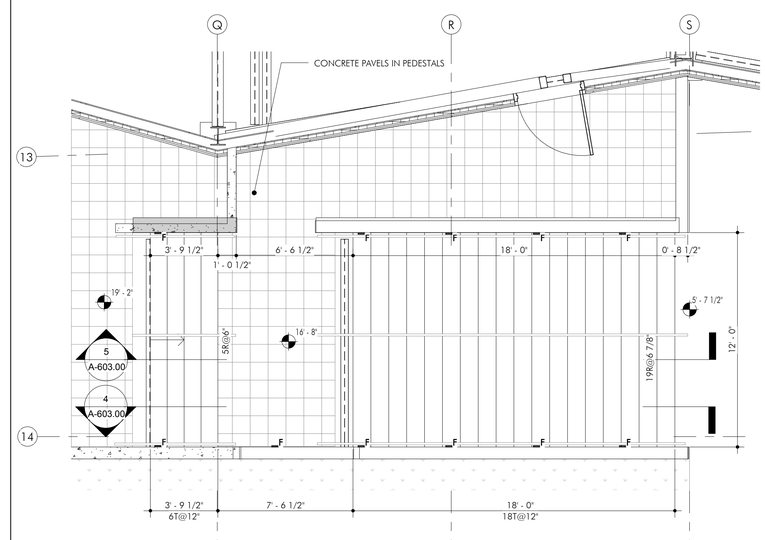
STAIR LEGEND



3 STAIR F ENLARGED PLAN SCALE 1/4" = 1'-0"



2 STAIR E ENLARGED PLAN SCALE 1/4" = 1'-0"



1 STAIRD D ENLARGED PLAN SCALE 1/4" = 1'-0"

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DOB BSCAN

SS/REV	DATE	ISSUED TO	DESCRIPTION
15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
11	04/29/2014	CLIENT AND CONTRACTOR	ISSUED FOR BIDS
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	01/17/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE-III
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-I
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT

NORTH

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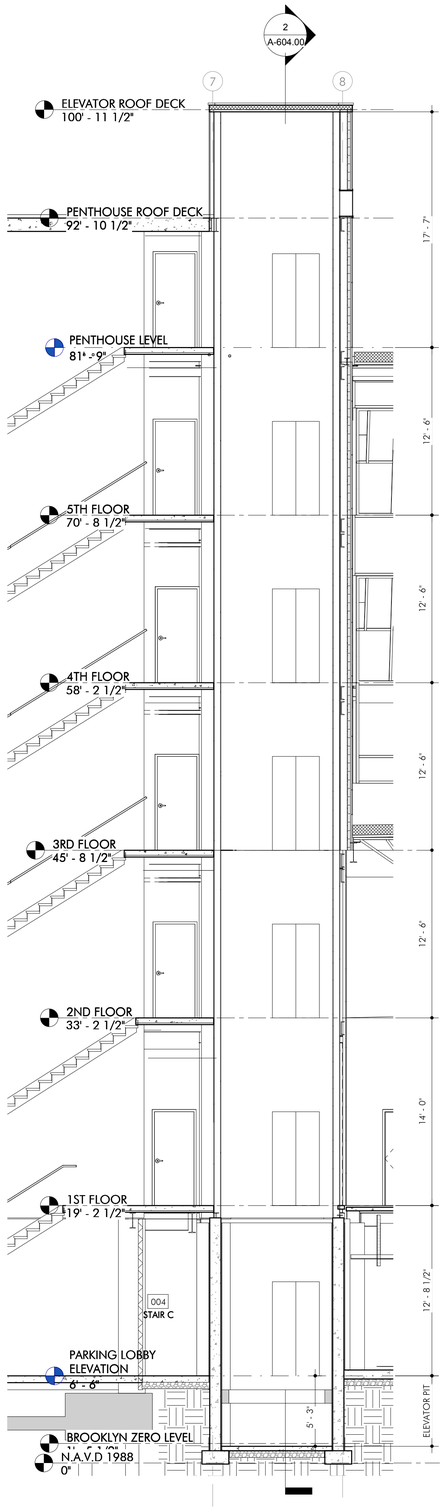
NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

556 COLUMBIA STREET
BROOKLYN, NY 11231

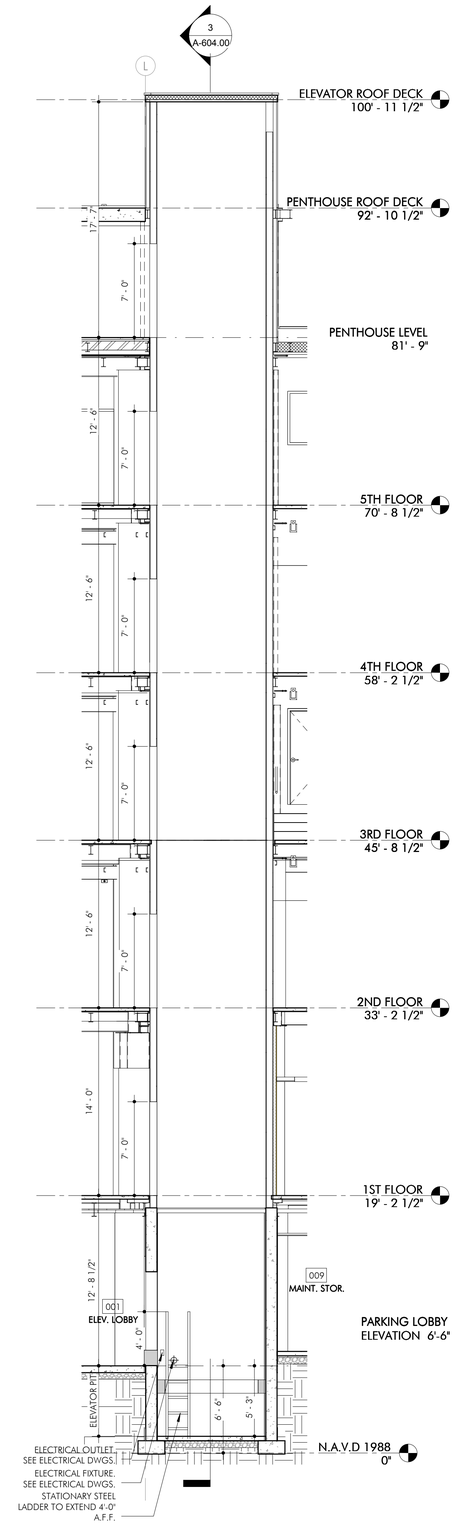
GROUND LEVEL STAIRS ENLARGED PLAN AND SECTION

SEAL & SIGNATURE

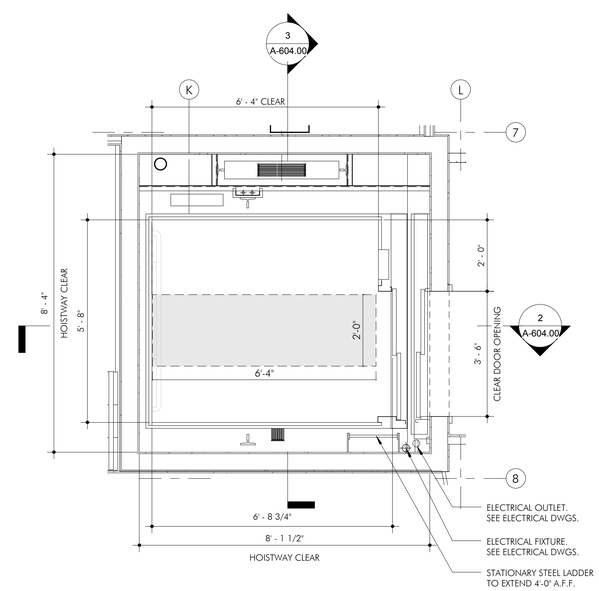
DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	BT
CHECKED BY:	RS
DRAWING NO:	A-603.00
CADD FILE NO: J:\Proj2013\607 BASIS	73 of 272



3 ELEVATOR SECTION A SCALE 3/16" = 1'-0"



2 ELEVATOR SECTION B SCALE 3/16" = 1'-0"



1 ELEVATOR - ENLARGED PLAN SCALE 1/2" = 1'-0"

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DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
1.5	06/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	01/17/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE-II
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-I
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
2	10/18/2013	OWNER	OWNER REVIEW

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BROOKLYN, NY 11231

ELEVATOR PLANS, SECTIONS & DETAILS

SEAL & SIGNATURE

DATE: 04/11/2014
PROJECT NO.: 13-607
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A-604.00
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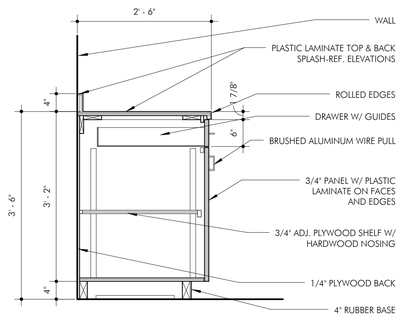
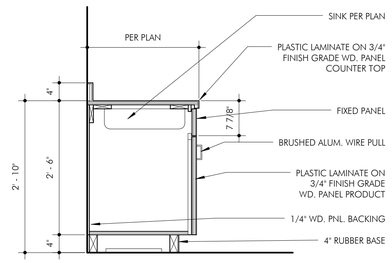
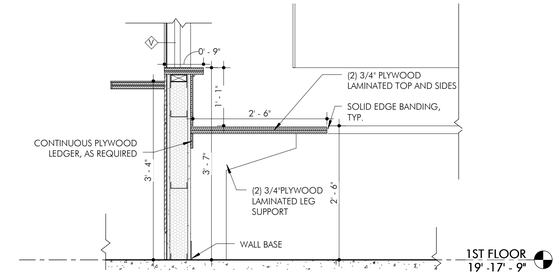


11	BASE CABINETS @ BIO LABS	REF. SHEET A-105	SCALE 3/4" = 1'-0"



7	TYPICAL SINK CABINET	REF. SHEET A-102	SCALE 3/4" = 1'-0"



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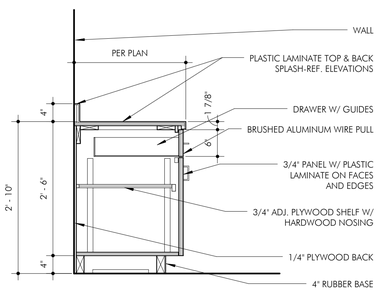

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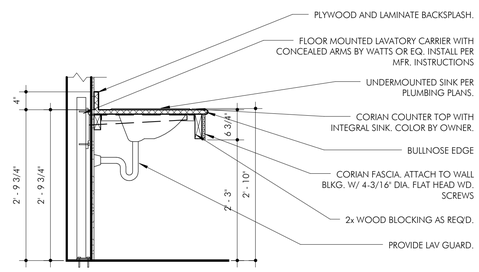

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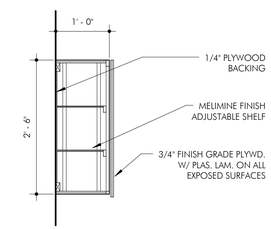

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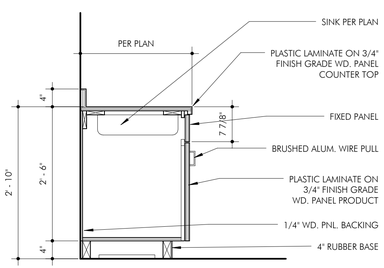

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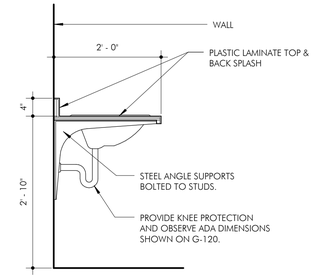
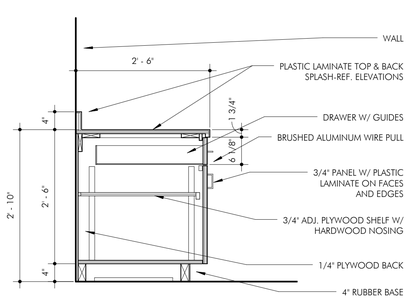
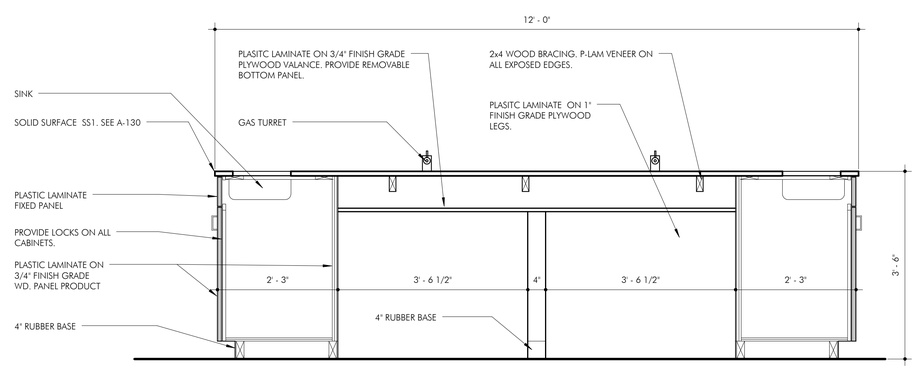


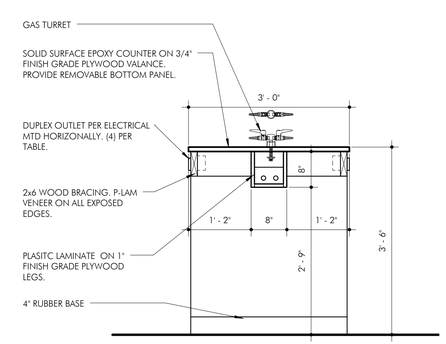
2	TEACHER LOUNGE COUNTER	REF. SHEET A-102	SCALE 3/4" = 1'-0"



8	BASE CABINET @ CHEM LABS	REF. SHEET A-105	SCALE 3/4" = 1'-0"



5	CHEM. TABLE LONGITUDINAL SECTION	REF. SHEET A-105	SCALE 3/4" = 1'-0"



1	CHEM. TABLE CROSS SECTION	REF. SHEET A-105	SCALE 3/4" = 1'-0"

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MILLWORK DETAILS

SEAL & SIGNATURE

DATE: 04/11/2014
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CADD FILE NO: J:\Proj2013\607 BASIS
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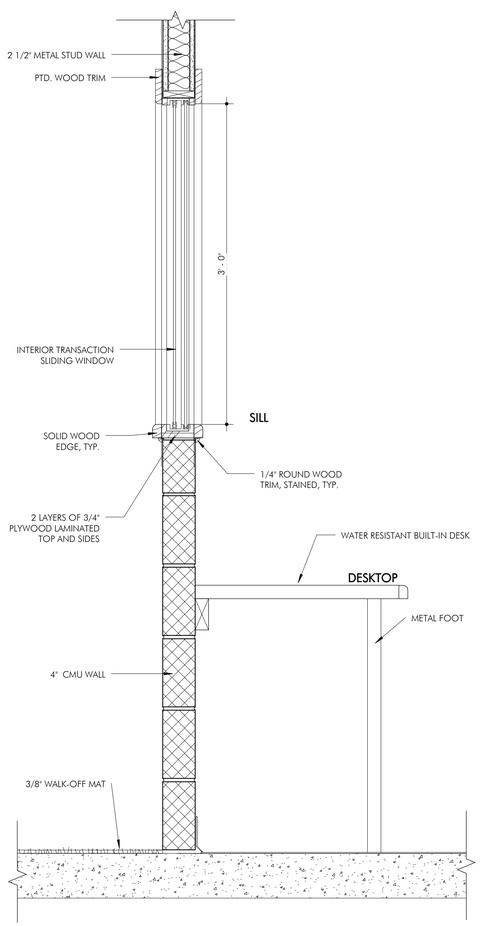
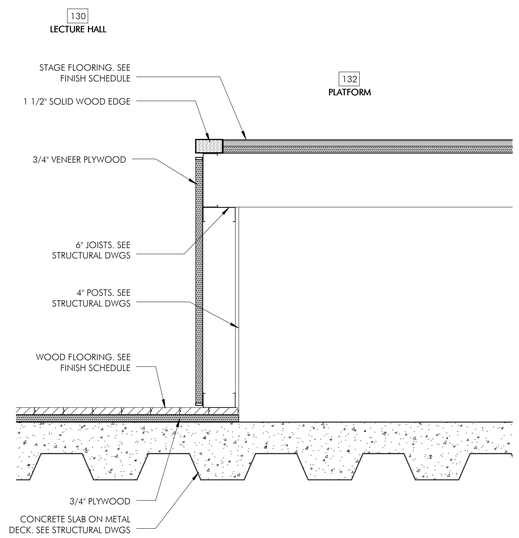
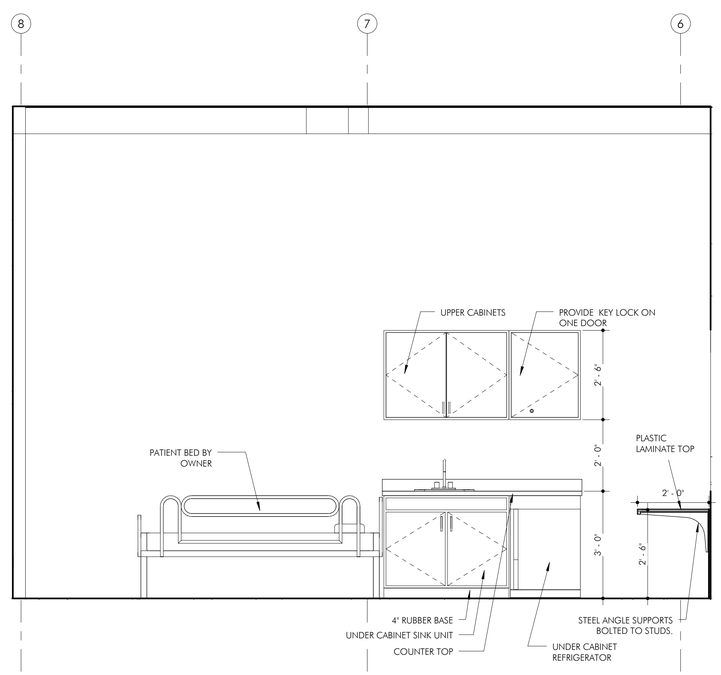


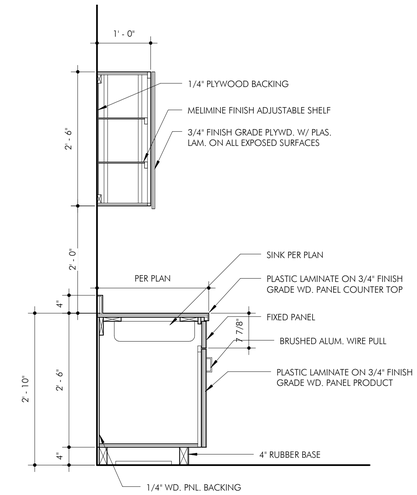
5 INTERIOR VESTIBULE WINDOW DETAIL — SHEET REF A-100.00 — SCALE 1 1/2" = 1'-0"



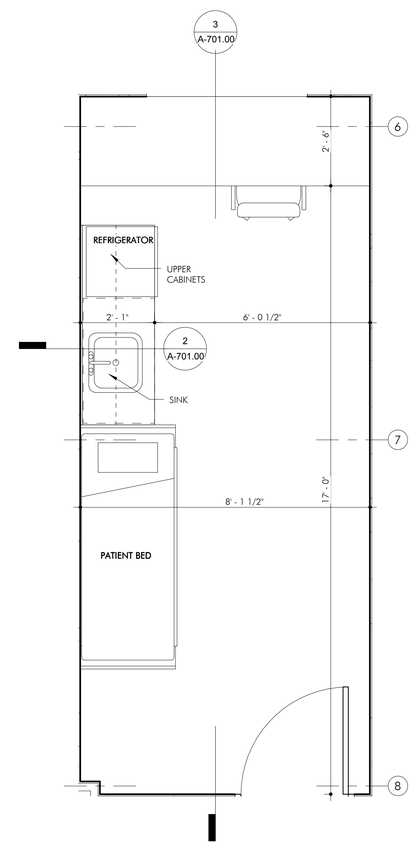
4 STORAGE UNDER STAGE - DOOR DETAIL — SHEET REF A-302.00 — SCALE 1 1/2" = 1'-0"



3 NURSE ROOM SECTION-1 — SHEET REF A-701.00 — SCALE 1/2" = 1'-0"



2 NURSE ROOM CABINETS SECTION — SCALE 3/4" = 1'-0"



1 NURSE ROOM — SCALE 1/2" = 1'-0"

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DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	01/17/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE-II
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-I

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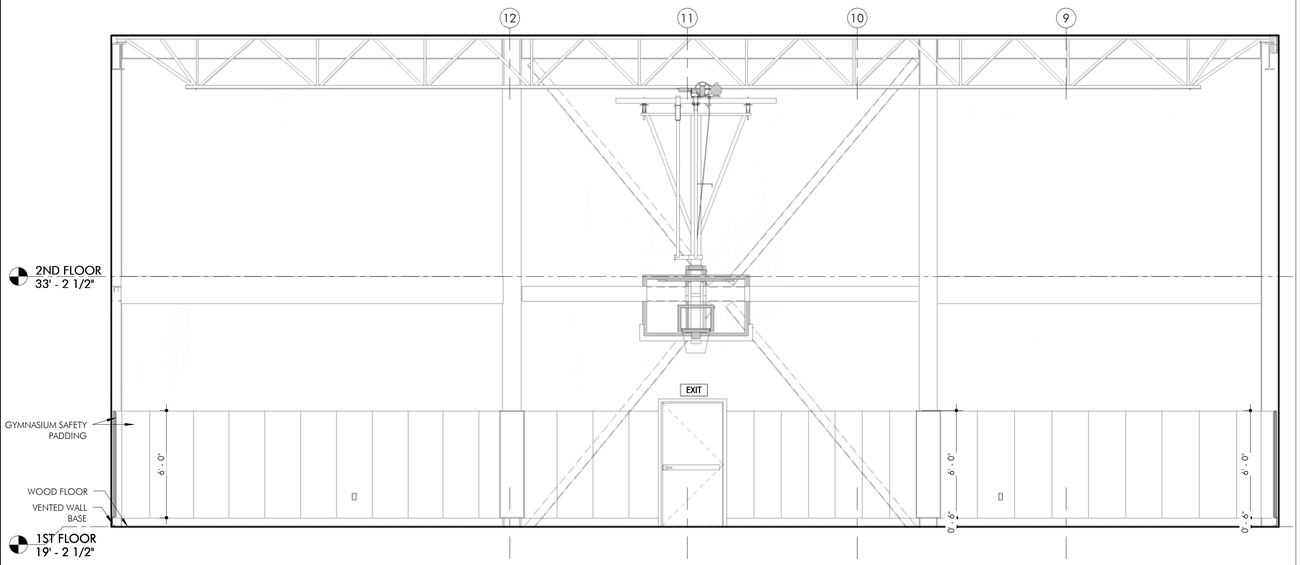
556 COLUMBIA STREET
BROOKLYN, NY 11231

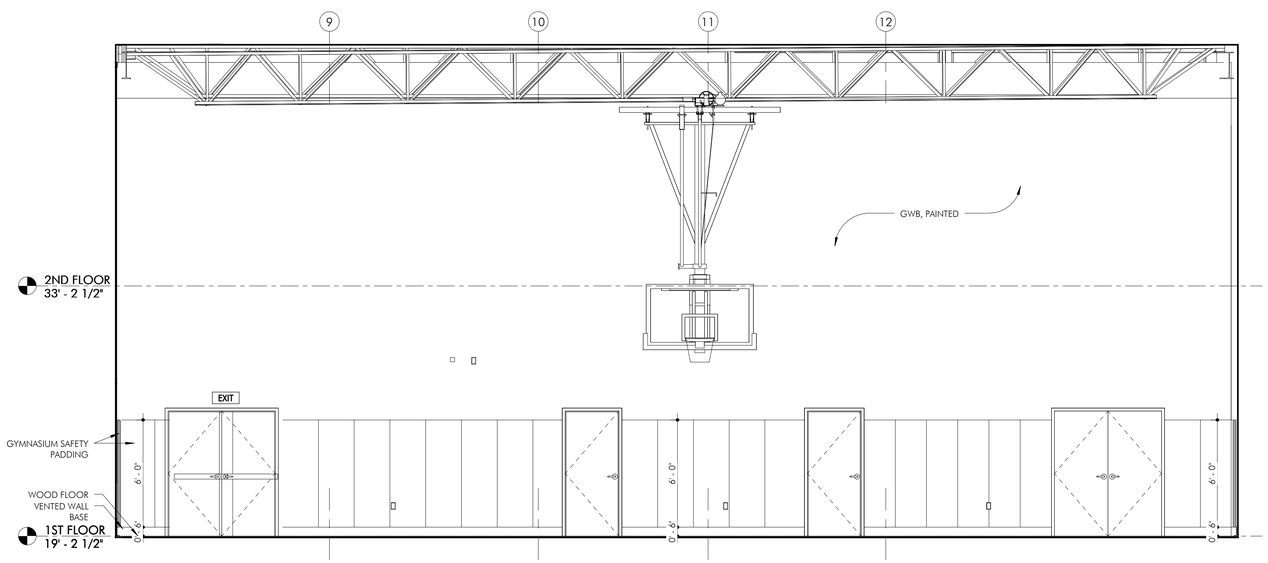
ENLARGED NURSE ROOM AND MILLWORK DETAILS

SEAL & SIGNATURE

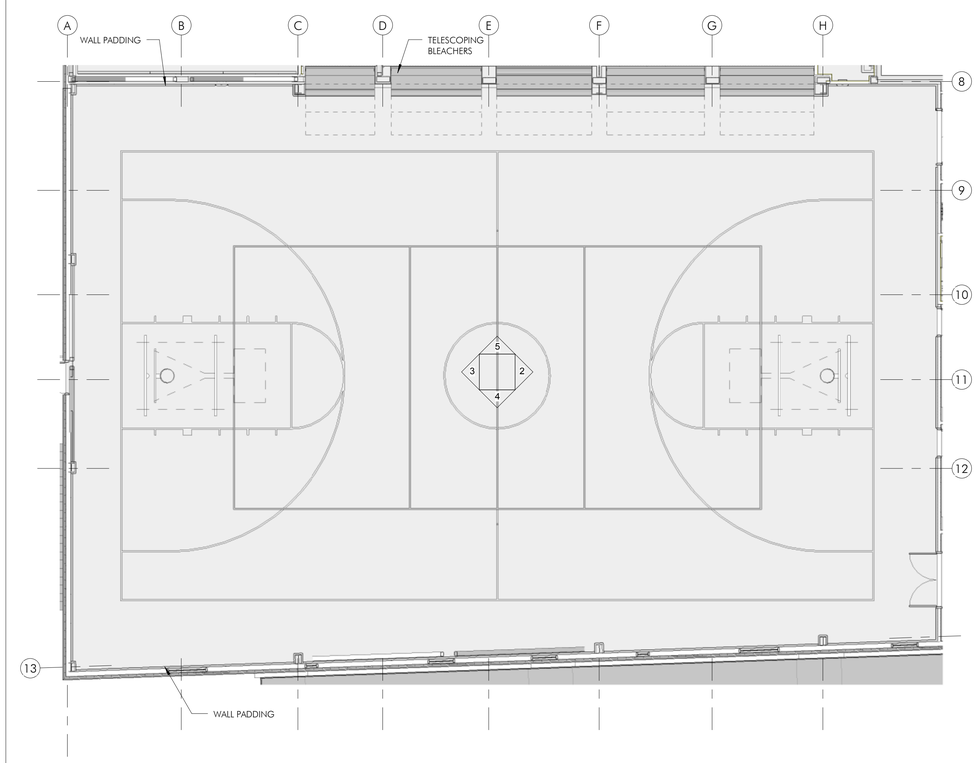
DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	E.E
CHECKED BY:	R.S
DRAWING NO:	A-701.00
CADD FILE NO: J:\Proj2013\607 BASIS	76 of 272



3 GYM ELEVATION 1-d SCALE 1/4" = 1'-0"



2 GYM ELEVATION 1-b SCALE 1/4" = 1'-0"



1 GYM PLAN SCALE 1/8" = 1'-0"

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1.5	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
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7	01/17/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE-III
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-II

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GYMNASIUM ENLARGED PLAN AND ELEVATIONS

SEAL & SIGNATURE

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DRAWN BY:	E.E
CHECKED BY:	R.S
DRAWING NO:	A-702.00
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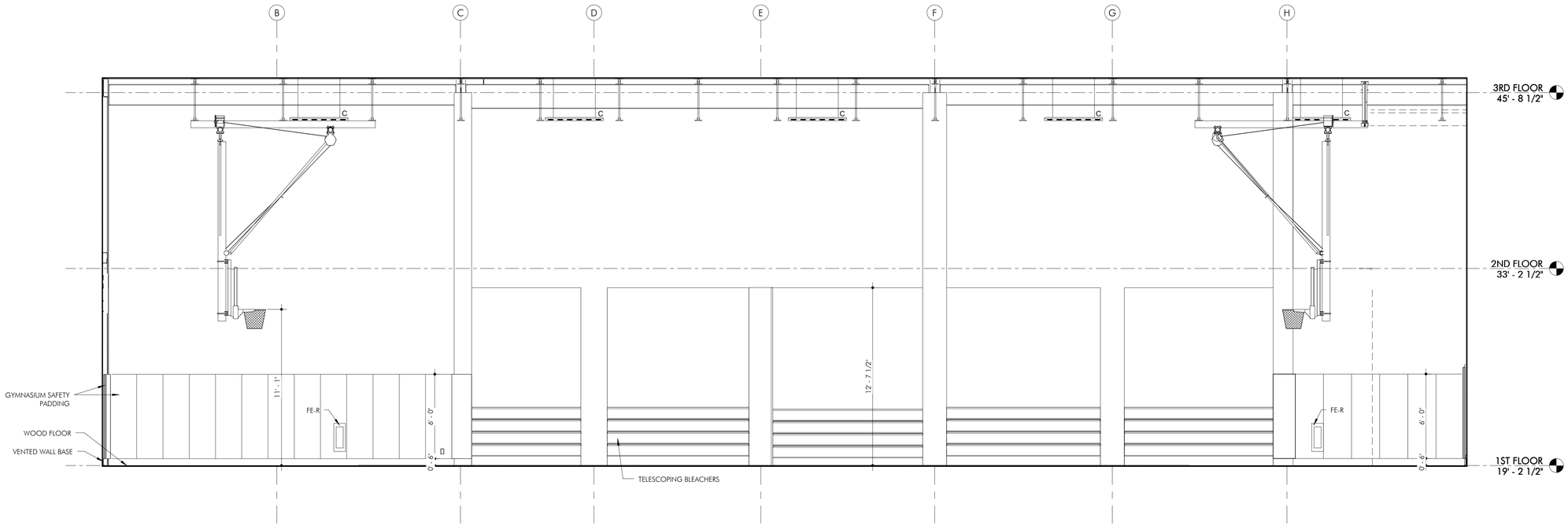
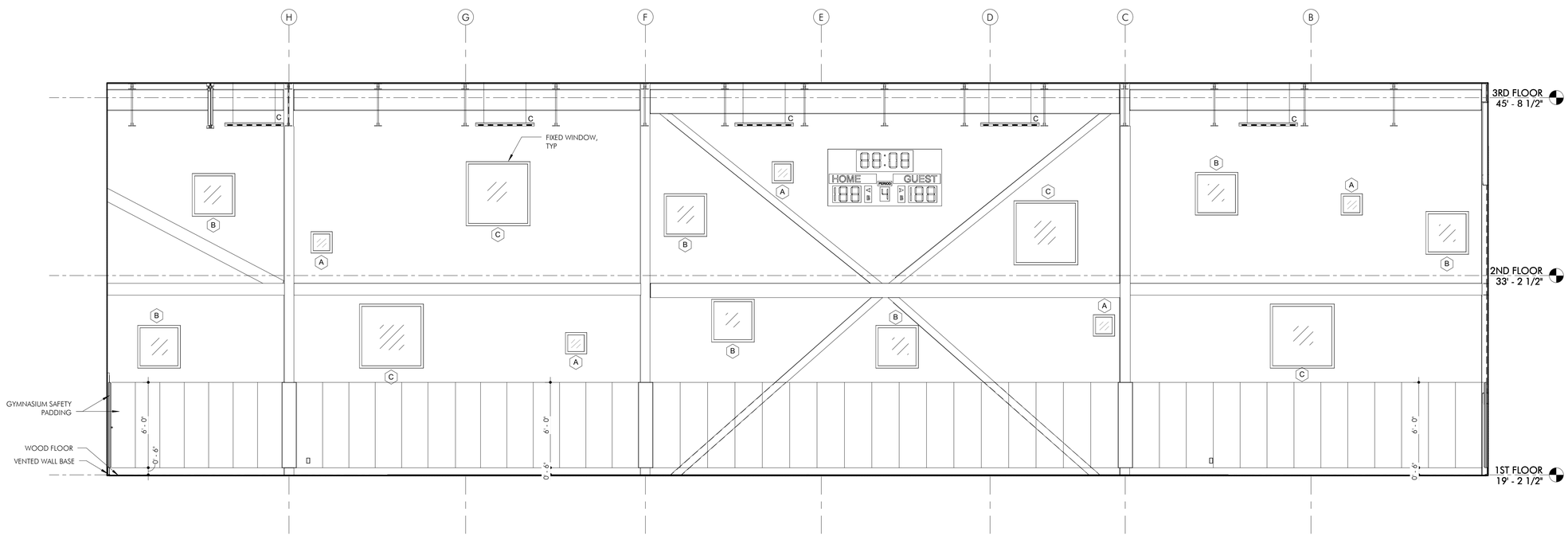


5 GYM ELEVATION 1-a

SCALE 1/4" = 1'-0"



4 GYM ELEVATION 1-c

SCALE 1/4" = 1'-0"

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6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-I

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GYMNASIUM ELEVATIONS

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DRAWN BY:	E.E
CHECKED BY:	R.S
DRAWING NO:	A-703.00
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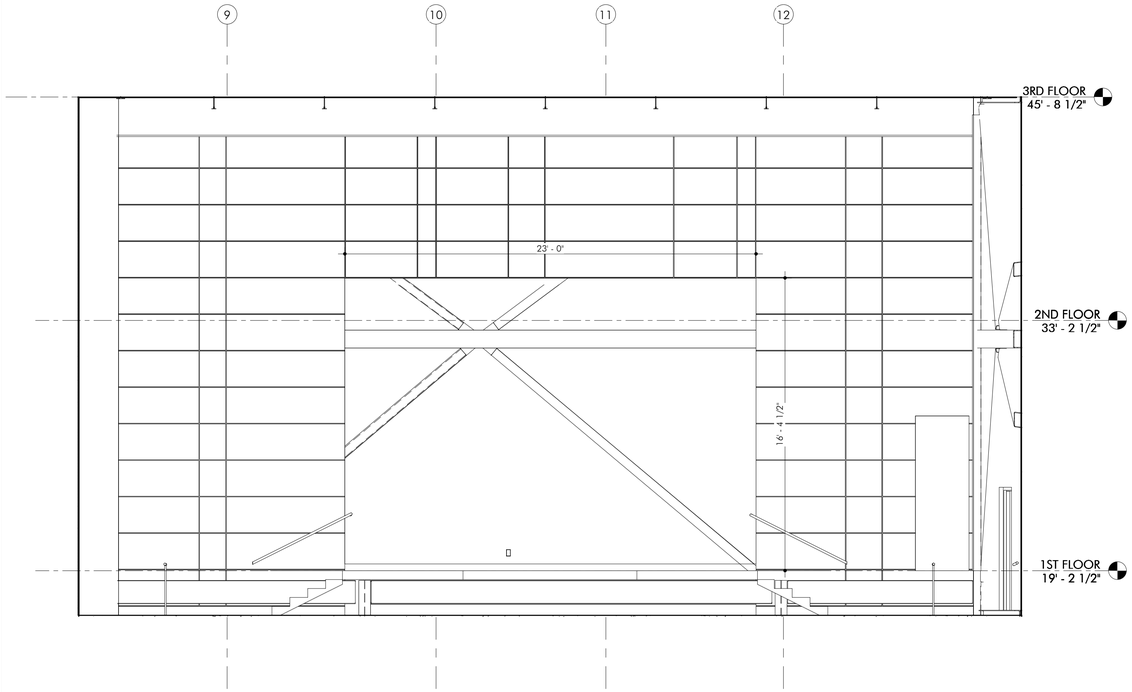
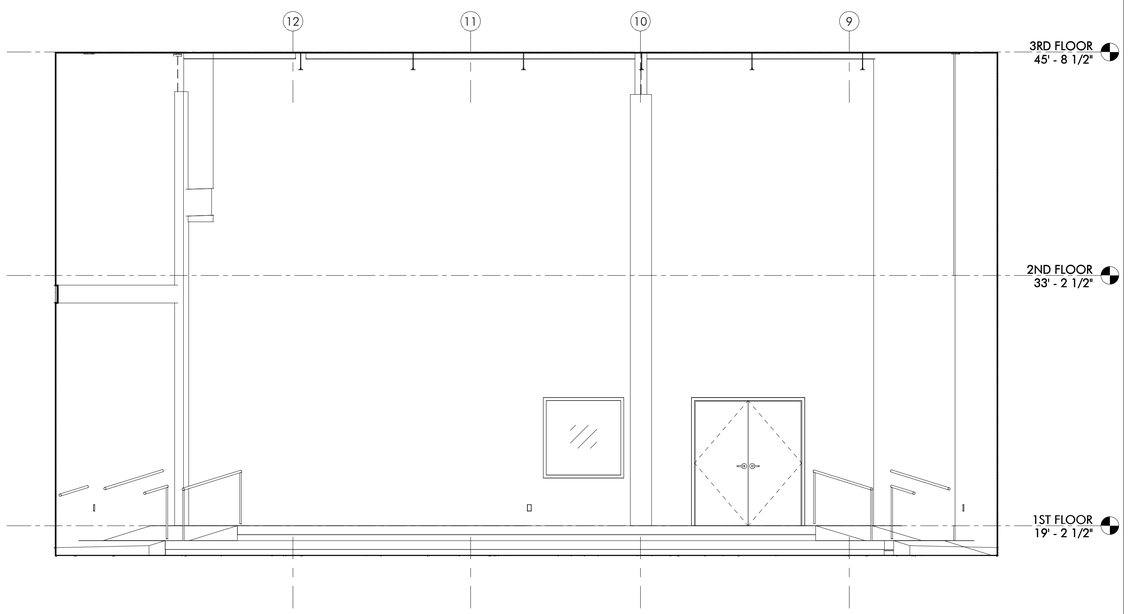
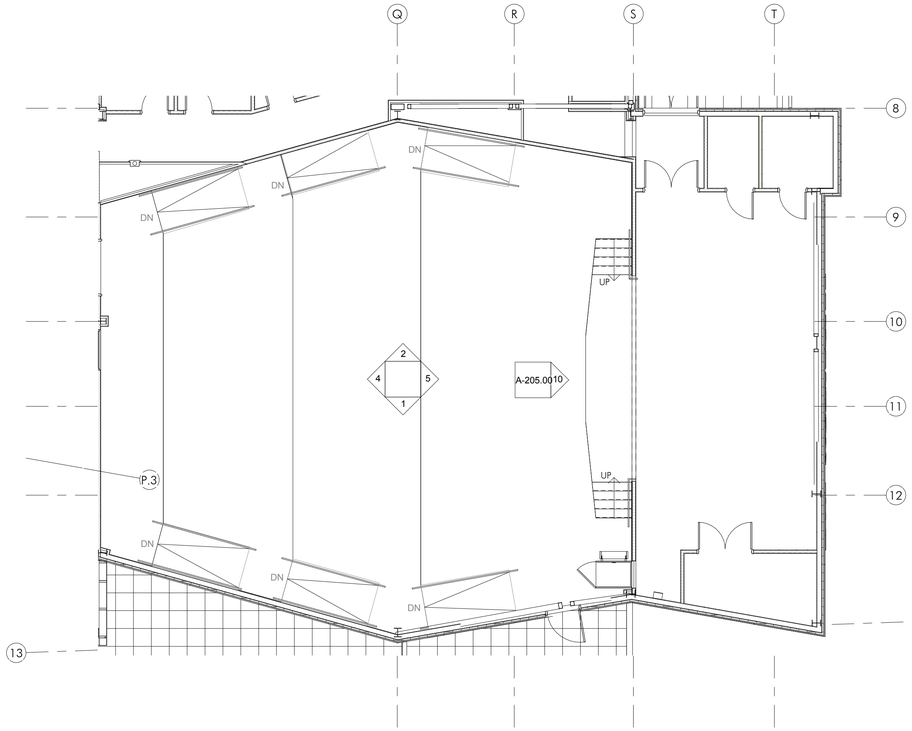


5 THEATRE ELEVATION 2-a SCALE 1/4" = 1'-0"



4 THEATRE ELEVATION 2-c SCALE 1/4" = 1'-0"



3 THEATER ENLARGED PLAN SCALE 1/8" = 1'-0"

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THEATER INTERIOR ELEVATIONS AND ENLARGED PLAN

SEAL & SIGNATURE

DATE: 04/11/2014
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DRAWN BY: TE
CHECKED BY: RS
DRAWING NO:
A-704.00

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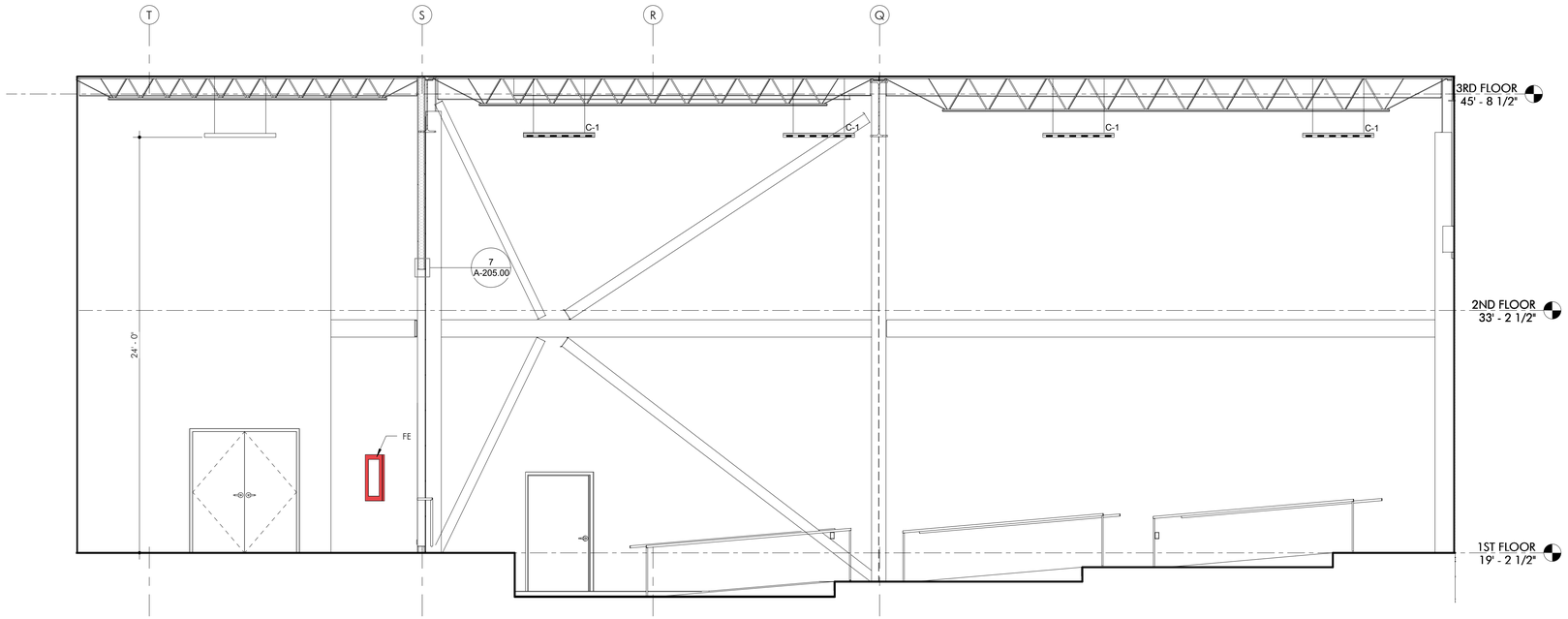
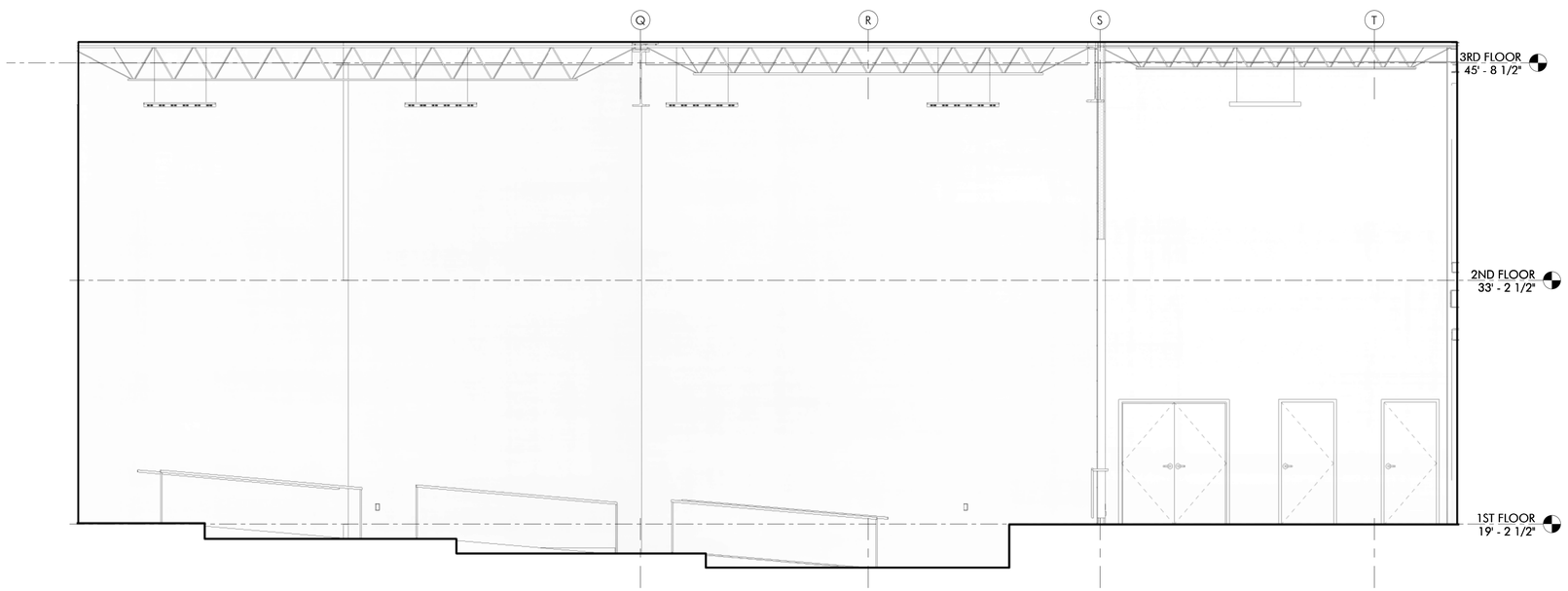


1 THEATRE ELEVATION 2 - b

SCALE 1/4" = 1'-0"



2 THEATRE ELEVATION 2 - d

SCALE 1/4" = 1'-0"

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THEATER INTERIOR ELEVATIONS

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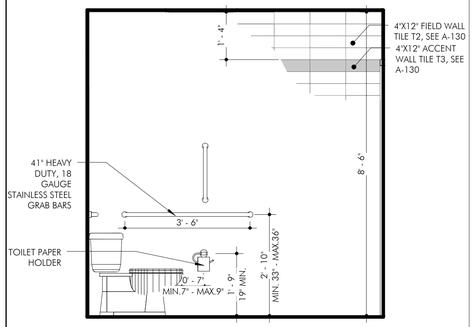
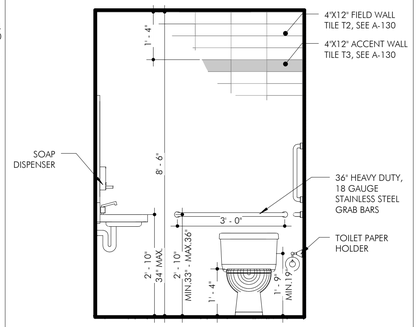
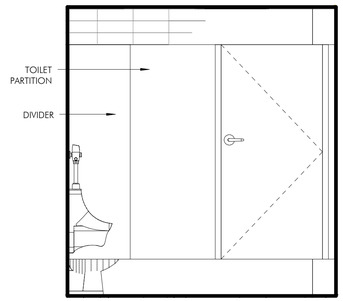


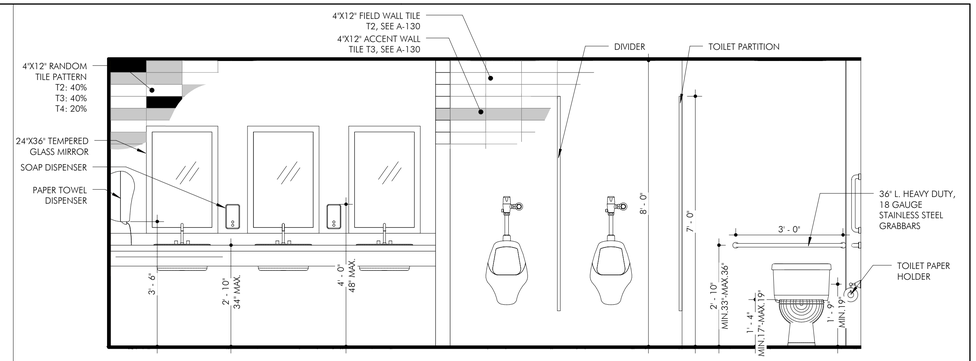
15 206 TYPICAL CLASSROOM TOILET ELEVATION - 15 SCALE 1/2" = 1'-0"



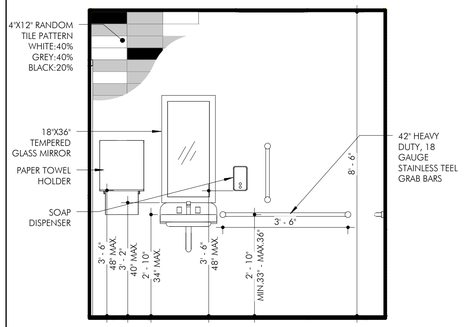
14 206 TYPICAL CLASSROOM ELEVATION - 14 SCALE 1/2" = 1'-0"



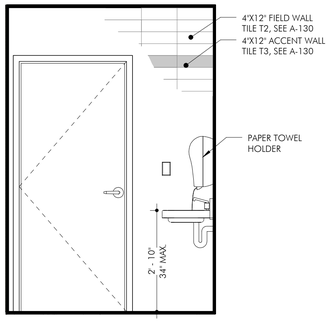
5 212 BOY'S WC ELEVATION - 5 SCALE 1/2" = 1'-0"



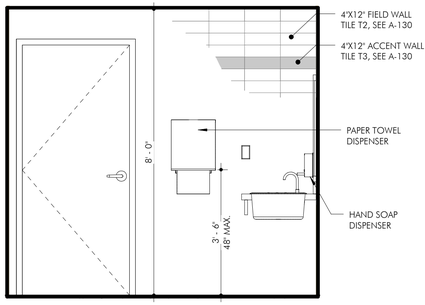
3 212 BOY'S WC ELEVATION - 3 SHEET REF A-706.00 SCALE 1/2" = 1'-0"



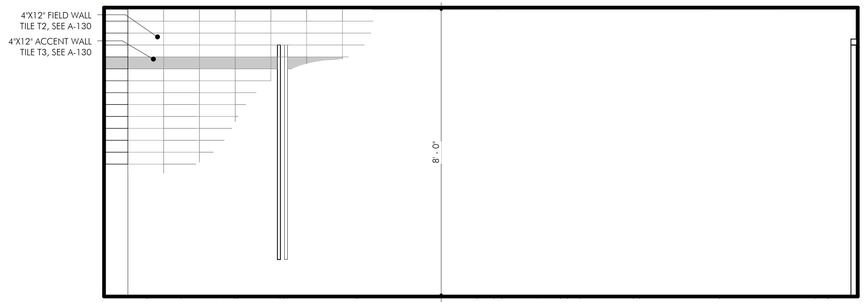
13 206 TYPICAL CLASSROOM TOILET ELEVATION - 13 SCALE 1/2" = 1'-0"



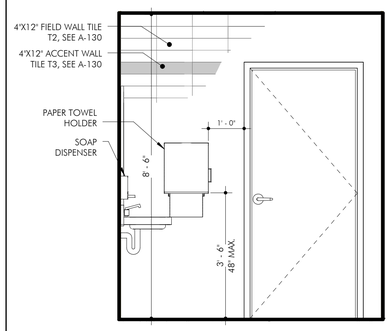
12 206 TYPICAL CLASSROOM TOILET ELEVATION - 12 SCALE 1/2" = 1'-0"



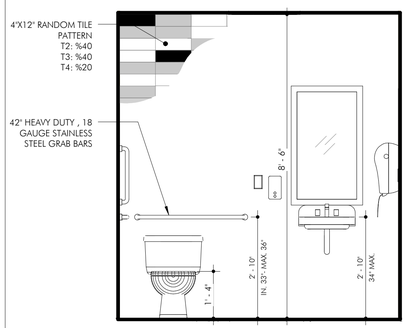
2 212 BOY'S WC ELEVATION - 2 SCALE 1/2" = 1'-0"



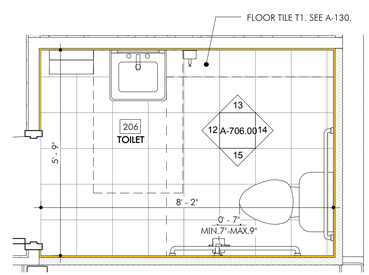
4 212 BOY'S WC ELEVATION - 4 SHEET REF A-706.00 SCALE 1/2" = 1'-0"



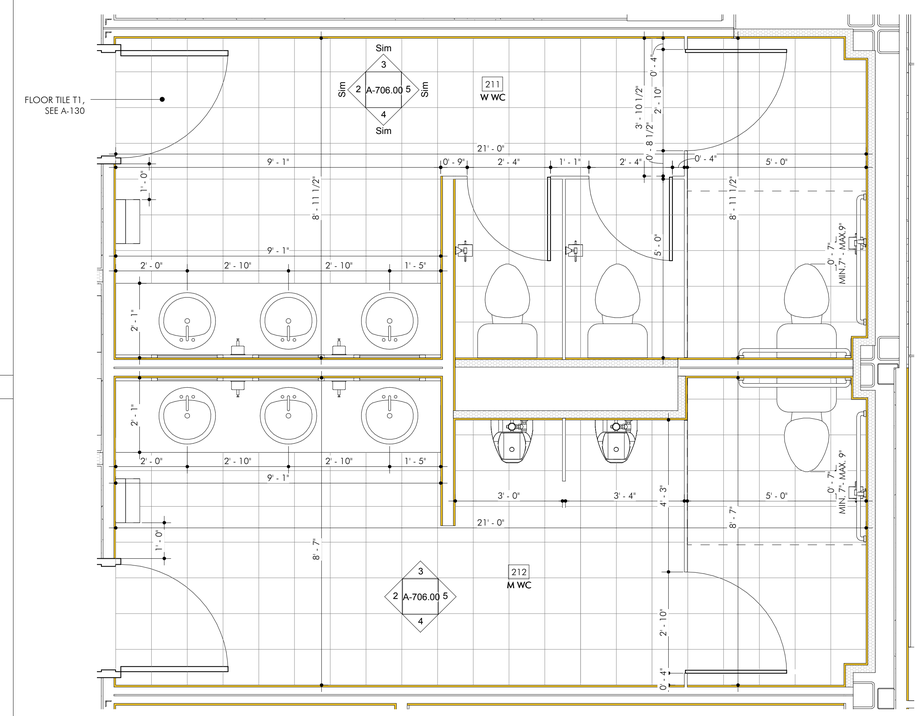
9 225 TYPICAL SINGLE WC ELEVATION - 9 SCALE 1/2" = 1'-0"



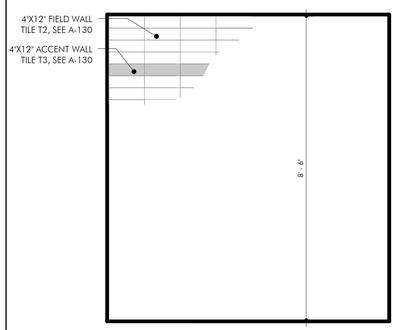
10 225 TYPICAL SINGLE WC ELEVATION - 10 SCALE 1/2" = 1'-0"



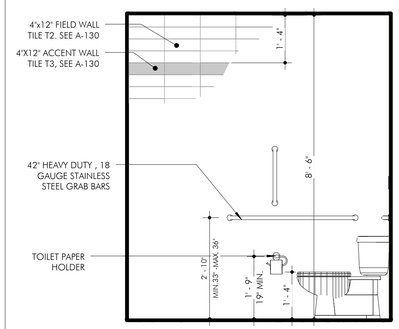
11 TYPICAL CLASSROOM TOILET SCALE 1/2" = 1'-0"



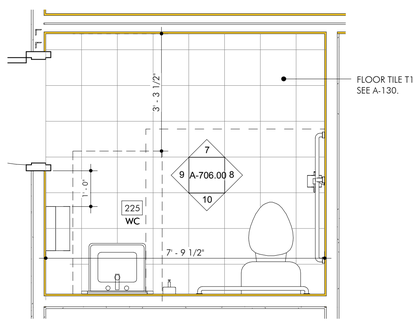
1 211 & 212 TYP. GIRLS & BOYS WC ENLARGED PLAN SCALE 1/2" = 1'-0"



7 225 TYPICAL SINGLE WC ELEVATION - 7 SCALE 1/2" = 1'-0"



8 225 TYPICAL SINGLE WC ELEVATION - 8 SCALE 1/2" = 1'-0"



6 225 TYPICAL SINGLE WC SCALE 1/2" = 1'-0"

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CLIENT AND CONTRACTOR	

NORTH

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NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

556 COLUMBIA STREET
BROOKLYN, NY 11231

TYPICAL WC PLANS & ELEVATIONS

SEAL & SIGNATURE

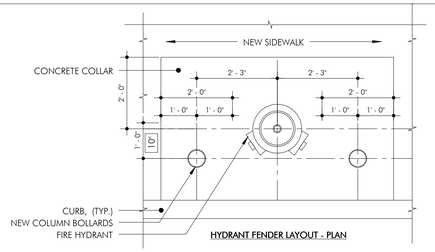
DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	E.E
CHECKED BY:	R.S
DRAWING NO:	A-706.00
CADD FILE NO: J:\Proj2013\607 BASIS	

THE FOLLOWING GUIDELINES SHALL BE OBSERVED WHEN CITING TREE PITS ALONG SIDEWALKS. THESE GUIDELINES GENERALLY FOLLOW REGULATIONS OF OTHER AGENCIES WITH STREET JURISDICTIONS SUCH AS FIRE, DOT, AND MTA. THESE REQUIREMENTS ARE DESIGN AND SPECIES DEPENDENT. THE AMERICANS WITH DISABILITIES ACT (ADA) GUIDELINES MUST BE FOLLOWED.

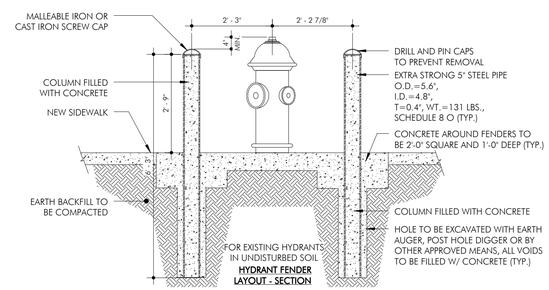
A. DO NOT PLANT IN FRONT OF BUILDING ENTRANCES IN ORDER TO PERMIT EASY ACCESS BY THE FIRE DEPARTMENT.
B. MINIMUM DISTANCE BETWEE TREES (CENTER TO CENTER) RANGES FROM 20' TO 30', DEPENDING UPON THE TREE SPECIES AND OTHER LOCAL CONDITIONS).
C. MINIMUM DISTANCE FROM A STREETLIGHT IS 25' (VARIES WITH TREE SPECIES).
D. MINIMUM DISTANCE FROM A STOP SIGN IS 30'.
E. MINIMUM DISTANCE FROM OTHER TRAFFIC SIGNS IS 6'.
F. SUGGESTED DISTANCE FROM A PARKING METER IS MORE THAN 5' BEHIND THE METER, TO ALLOW FOR THE SWING OF CAR DOORS.
G. MINIMUM DISTANCE FROM A GAS OR WATER VALVE IS 2' FROM THE EDGE OF THE PIT.
H. MINIMUM DISTANCE FROM AN OIL FILL PIPE IS 4' FROM THE EDGE OF THE PIT.
I. MINIMUM DISTANCE FROM A COAL CHUTE IS 6'. (N/A)
J. MINIMUM DISTANCE FROM A FIRE HYDRANT IS 5' FROM THE EDGE OF THE PIT.
K. MINIMUM DISTANCE FROM A CURB CUT OR DRIVEWAY IS 7'.
L. MINIMUM DISTANCE FROM THE MIDDLE OF A STREET INTERSECTION IS 40'.
M. MINIMUM DISTANCE FROM THE EDGE OF THE PIT TO ANY OPPOSITE OBSTRUCTION (BUILDING WALL, STOOP, RAILING, ETC) IS FROM 4' TO 6', DEPENDING UPON LOCAL CONDITIONS AND THE AMOUNT OF SIDEWALK TRAFFIC.
N. ALL TREE PITS MUST BE CONTIGUOUS TO THE STREET CURB (EXCEPT AS NOTED BELOW, OR WITH THE PERMISSION OF THE AGENCY REPRESENTATIVE).
O. TREES MAY BE PLANTED ON EITHER SIDE OF SIDEWALKS (IF ANY EXIST) IN LAWN AREAS WHERE THERE IS SUFFICIENT ROOM BETWEEN THE PROPERTY LINE AND THE STREET CURB.
P. DO NOT PLANT WITHIN BUS STOPS.

THE LOCATIONS OF ALL TREES SHOWN ON PLANS MAY BE RELOCATED AS REQUIRED BY SITE AND AS DIRECTED BY THE AGENCY REPRESENTATIVE.
ALL NEW TREES TO BE GUARANTEED A MINIMUM OF TWO (2) YEARS.
NEW TREES TO BE AS SHOWN ON TREE SCHEDULE ON THIS SHEET. SIZE TO BE A MINIMUM OF 2 1/2" MEASURED A DISTANCE OF SIX (6) INCHES FROM THE FINISHED GRADE AND NO LARGER THAN 3 1/2" IN CALIPER.
ALL NEW TREES TO BE MAINTAINED UNTIL TWO (2) YEARS AFTER FINAL ACCEPTANCE.
STAKES SHALL BE MAINTAINED THROUGHOUT THE ENTIRE TWO (2) YEAR GUARANTEE PERIOD.
PLANTING SEASONS AS PER THE PARKS AND RECREATION RULES AND REGULATIONS.
ALL TREES TO BE NURSERY GROWN IN A USDA HARDINESS ZONE OF 7B OR LOWER.

4 GUIDELINES FOR STREET PARKING



HYDRANT FENDER LAYOUT - PLAN



HYDRANT FENDER LAYOUT - SECTION

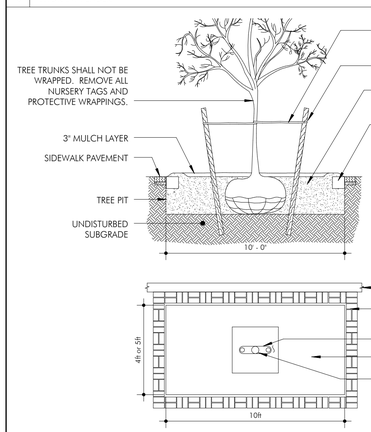
NOTE:
ALL PARTS OF HYDRANT FENDER SHALL BE CLEANED OF SCALE, RUST AND DIRT AND BE COATED ON THE OUTSIDE WITH ONE COAT OF BLACK ASPHALT PAINT BELOW THE GROUND AND ONE COAT OF ALUMINUM PAINT ABOVE THE GROUND.

DIMENSIONS SHOWN THUS ____ ARE TYPICAL DIMENSIONS

DIMENSIONS MARKED WITH AN * ARE MINIMUM DIMENSIONS.

CONCRETE COLLARS SHALL BE SQUARED AND MADE FLUSH WITH NEW SIDEWALK PAVEMENT AND CURB

3 HYDRANT FENDER



NOTE:

1. ALL MATERIALS AND CONSTRUCTION METHODS USED ARE TO CONFORM TO SECTION #4.16 OF THE STANDARD HIGHWAY SPECIFICATIONS, LATEST EDITION.

2. PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL OBTAIN THE NECESSARY PERMIT FROM THE DEPARTMENT OF PARKS AND RECREATIONS FOR THE REMOVAL AND PLANTING OF TREES.

3. TREE PITS SHOULD BE LOCATED TWO FEET MINIMUM FROM GAS, OIL OR WATER BOXES.

4. TREE STAKES ARE TO BE REMOVED BY THE TREE SUBCONTRACTOR NOT LESS THAN ONE YEAR AFTER PLANTING OF SAID TREES AND PRIOR TO THE FINAL ACCEPTANCE OF THE WORK.

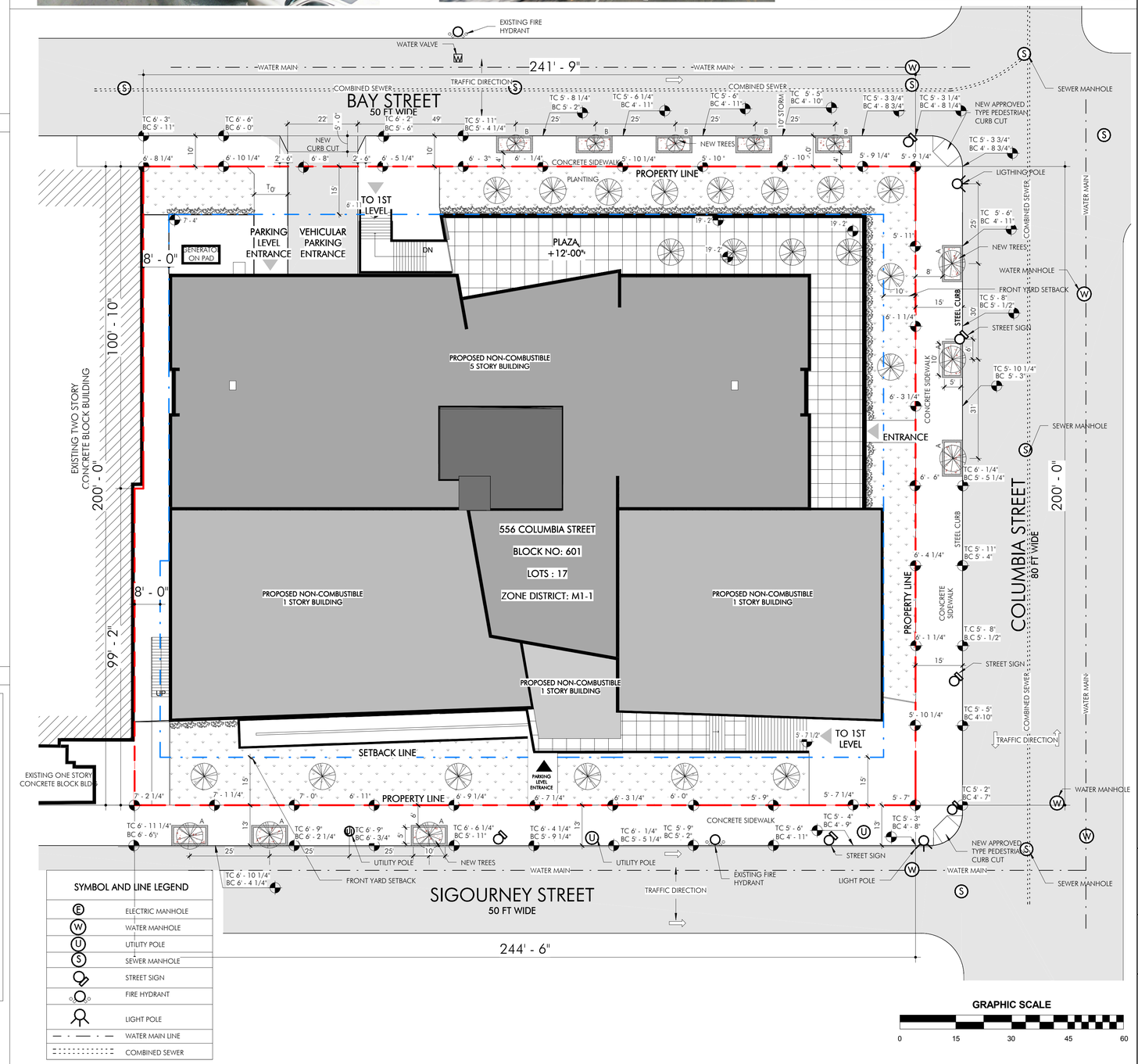
5. USE OF SIDEWALK PAVEMNT MATERIALS OTHER THAN GRANITE BLOCK MUST BE SPECIFICALLY APPROVED, IN WRITING, BY ENGINEER.

6. GRANITE BLOCK IN TREE PIT SHALL BE PAID FOR UNDER ITEM NO 6.06 AB OR 6.06 BB, AS APPLICABLE.

7. WHERE CONCRETE PAVERS ARE SPECIFIED FOR USE IN. TREE PITS THEY SHALL BE PAID FOR UNDER ITEM NO. 6.47 TP.

8. 28 NUMBER OF TREES REQUIRED. EXACT LOCATION TO BE DETERMINED BY DEPT. OF PARKS AND RECREATION.

2 STREET TREE PLANTING DETAIL - AS PER DOT STD. H1046



SYMBOL AND LINE LEGEND	
E	ELECTRIC MANHOLE
W	WATER MANHOLE
U	UTILITY POLE
S	SEWER MANHOLE
	STREET SIGN
	FIRE HYDRANT
	LIGHT POLE
— · — · —	WATER MAIN LINE
	COMBINED SEWER

1 BPP SITE PLAN

PARTNERS FOR ARCHITECTURE
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BASIS INDEPENDENT SCHOOLS

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phone 520.577.4560 www.cca-az.com

ALL THE PROJECT FLOOR ELEVATIONS HAVE BEEN REVISED TO REFLECT N.A.V.D. 1988 STANDARD.(1.46' ABOVE BROOKLYN TOPOGRAPHICAL BUREAU.)

DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	01/27/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE
6	12/20/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE I
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
1	11/06/2013	NYC DEPARTMENT OF PARKS AND RECREATION	ISSUED FOR PERMIT

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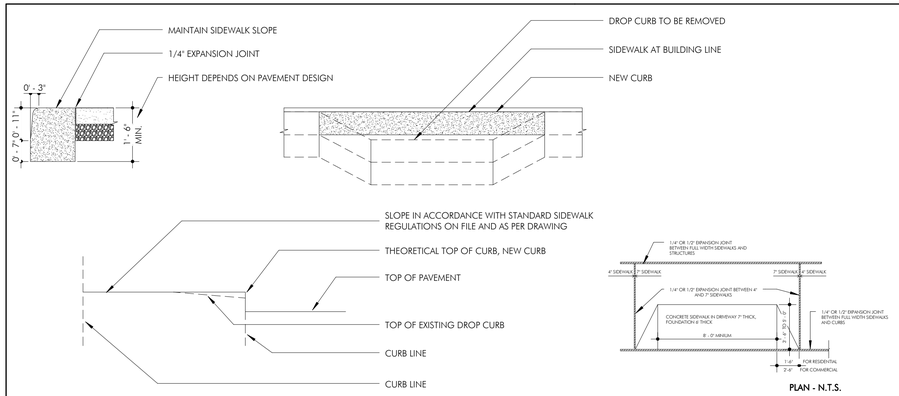
NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

556 COLUMBIA STREET
BROOKLYN, NY 11231

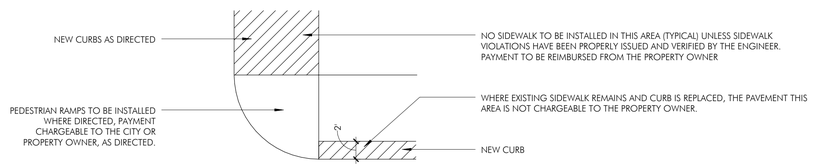
BUILDERS PAVEMENT PLAN AND DETAILS

SEAL & SIGNATURE

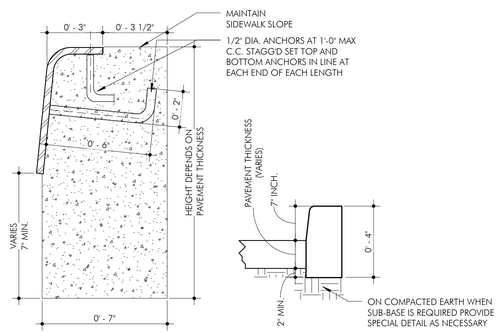
DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	BT
CHECKED BY:	SVG
DRAWING NO:	BPP-100.00
CADD FILE NO: J:\Proj2013\607 BASIS	
SCALE	1"=15'-0"



8 CURB DETAILS



7 SIDEWALK PAVEMENT LIMITS - AS PER H1045



DETAIL
N.T.S.

TYPICAL SECTION
N.T.S.

NOTES:

1. EXPANSION JOINTS IN THE STEEL CURB FACING AND CONCRETE BACKING SHAIL BE AT A MAXIMUM SPACING OF 24 FEET.

2. THE EXPANSION JOINTS OF THE CURB AND STEEL CURB FACING SHALL LINE UP WITH THE EXPANSION JOINTS OF THE CONCRETE SIDEWALKS. WHEREVER POSSIBLE.

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" DIA. x 6" HEADED ANCHOR STUDS (GRANULAR OR SOLID FLUX FILLED) MAY BE SUBSTITUTED.

5. STRUCTURAL STEEL (A.S.T.M. DESIGNATION A35),

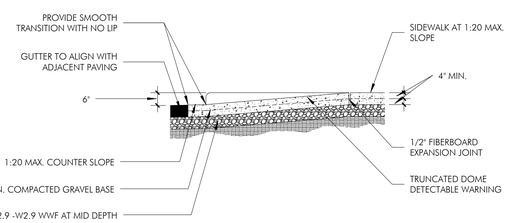
6. SURFACE TO BE CLEANED AND PAINTED AS PER NYCDOT STANDARD HIGHWAY SPECIFICATIONS, SECTION 2.13. COLOR OF TOP COAT SHALL BE GRAY AS APPROVED BY THE ENGINEER.

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 AT 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.

6 STEEL FACED CONCRETE CURB STEEL FACING TYPE D / AS PER DOT . STD. H-1010

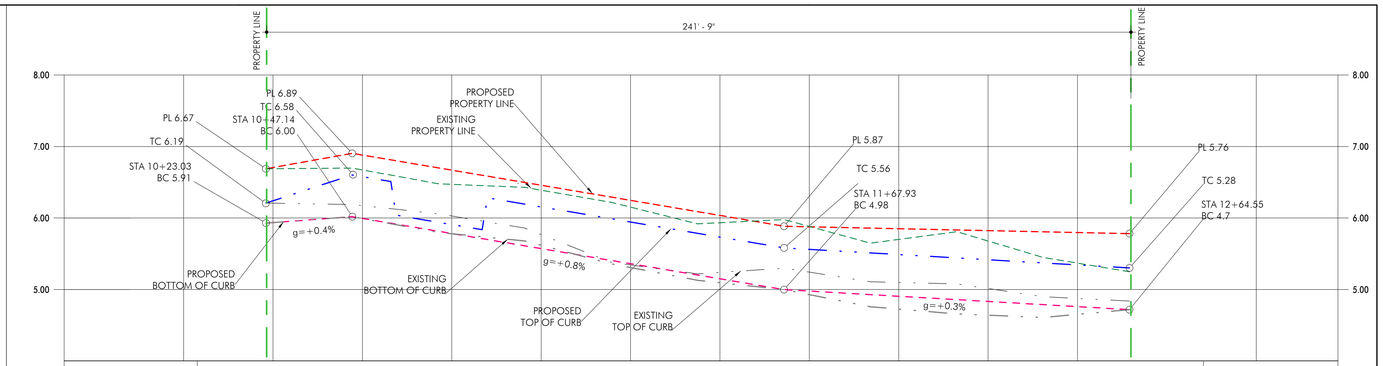


5 CURB RAMP SECTION

SYMBOL	COMMON NAME	SCIENTIFIC NAME	SPREAD	TREE TYPE	GROWTH RATE	SUN EXPOSURE	SOIL TYPE
A	PURPLELEAF PLUM	PRUNUS CERASIFERA	15'-25'	SMALL SHADE	MEDIUM	FULL SUN	SOME SAND TO SOME CLAY. PH RANGE: 4.5 TO 7.5 WATER RANGE: NORMAL TO MOIST
B	CHINESE ELM	UMUS PARVIFOLIA	35'	SHADY	MEDIUM	PARTIAL SHADE TO FULL SUN	SHADY, LOAMY OR CLAY. PH RANGE:p 4.0 TO 7.0

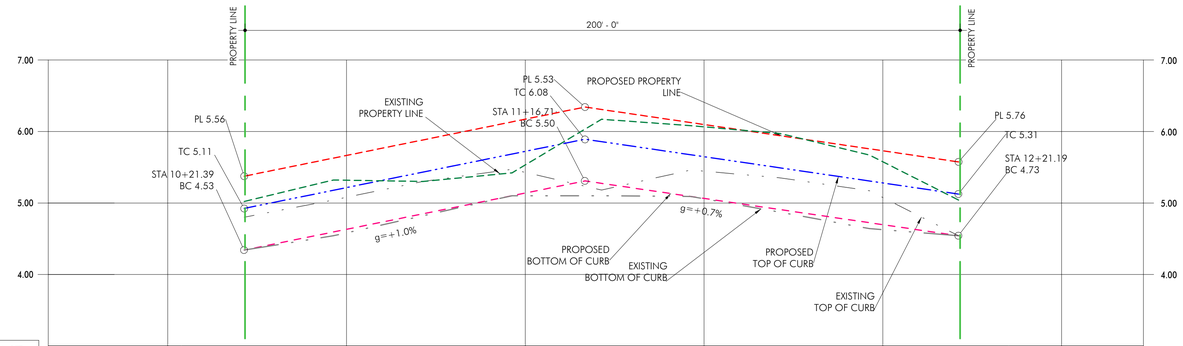
TOTAL NUMBERS OF TREES REQUIRED BY NOC DOB	27
EXISTING TREES TO BE PRESERVED	0
EXISTING TREES TO BE REMOVED	0
NEW STREET TREES TO BE PLANTED AT THE LOCATION (ON-SITE)	11
NEW TREES TO BE PLANTED AT AN ALTERNATE LOCATION (OFF-SITE)	16
PROPOSED TREES WHERE PAYMENT WILL BE MADE TO PARKS FOR PLANTING	0
OFF-SITE TREES SATISFIED WITH FUND PAYMENTS UNDER PREVIOUS APPLICATION	0

4 TREE TYPES & NUMBER OF TREES REQUIREMENT /PROPOSED



EXISTING PROPERTY LINE	6.66	6.65	6.45	6.37	6.13	5.92	5.86	5.68	5.66	5.43	EXISTING PROPERTY LINE
PROPOSED PROPERTY LINE	6.69	6.76	6.65	6.44	6.23	6.02	5.86	5.83	5.81	5.78	PROPOSED PROPERTY LINE
EXISTING TOP OF CURB	6.19	6.15	6.01	5.75	5.32	5.22	5.22	5.08	4.99	4.86	EXISTING TOP OF CURB
PROPOSED TOP OF CURB	6.22	6.56	5.89 (CURB CUT)	6.14	5.93	5.71	5.54	5.47	5.40	5.33	PROPOSED TOP OF CURB
EXISTING BOTTOM OF CURB	5.92	5.97	5.76	5.60	5.29	5.08	4.91	4.71	4.62	4.63	EXISTING BOTTOM OF CURB
PROPOSED BOTTOM OF CURB	5.92	5.98	5.76 (CURB CUT)	5.55	5.34	5.13	4.96	4.89	4.81	4.74	PROPOSED BOTTOM OF CURB
PROPOSED CURB HEIGHT	6.26"	9.56"	9.56"	9.56"	9.56"	9.56"	9.56"	9.56"	9.56"	9.56"	PROPOSED CURB HEIGHT
PROPOSED X-SLOPE	4.7%	3.0%		3.0%	3.0%	3.1%	3.2%	3.6%	4.1%	4.5%	PROPOSED X-SLOPE
	10+25	10+50	10+75	11+00	11+25	11+50	11+75	12+00	12+25	12+50	

3 PROFILE AT BAY STREET (NORTH SIDE)

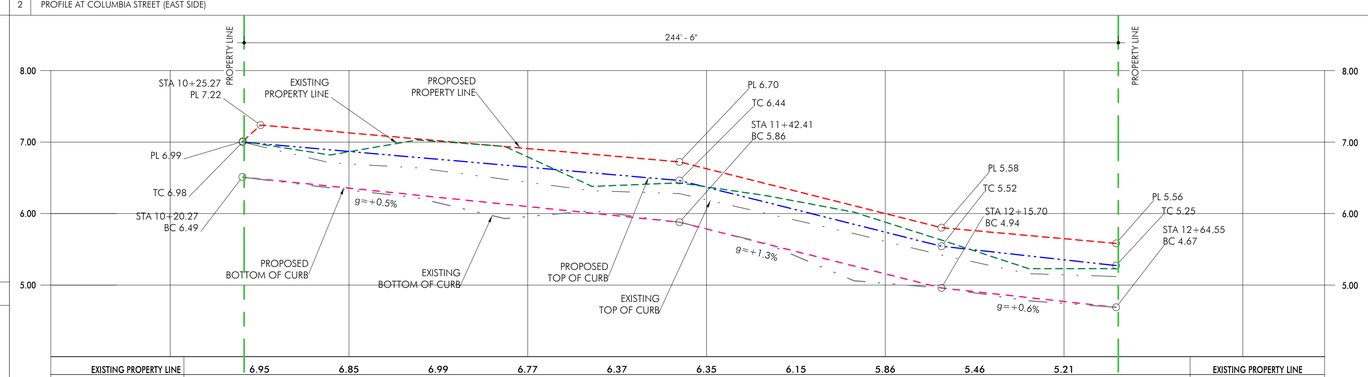


PROFILE LINE LEGEND

- EXISTING TOP OF CURB
- PROPOSED TOP OF CURB
- EXISTING BOTTOM OF CURB
- PROPOSED BOTTOM OF CURB
- EXISTING PROPERTY LINE
- PROPOSED PROPERTY LINE

EXISTING PROPERTY LINE	5.25	5.51	5.51	5.72	6.35	6.25	6.12	5.76	EXISTING PROPERTY LINE
PROPOSED PROPERTY LINE	5.59	5.85	6.11	6.36	6.47	6.29	6.10	5.92	PROPOSED PROPERTY LINE
EXISTING TOP OF CURB	5.02	5.27	5.51	5.62	5.41	5.63	5.51	5.26	EXISTING TOP OF CURB
PROPOSED TOP OF CURB	5.15	5.40	5.57	5.91	6.02	5.84	5.65	5.47	PROPOSED TOP OF CURB
EXISTING BOTTOM OF CURB	4.56	4.77	5.05	5.29	5.29	5.25	5.03	4.81	EXISTING BOTTOM OF CURB
PROPOSED BOTTOM OF CURB	4.57	4.82	5.07	5.33	5.44	5.25	5.07	4.89	PROPOSED BOTTOM OF CURB
PROPOSED CURB HEIGHT	9.56"	9.56"	9.56"	9.56"	9.56"	9.56"	9.56"	9.56"	PROPOSED CURB HEIGHT
PROPOSED X-SLOPE	2.9%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	PROPOSED X-SLOPE
	10+25	10+50	10+75	11+00	11+25	11+50	11+75	12+00	

2 PROFILE AT COLUMBIA STREET (EAST SIDE)



EXISTING PROPERTY LINE	6.95	6.85	6.99	6.77	6.37	6.35	6.15	5.86	5.46	5.21	EXISTING PROPERTY LINE
PROPOSED PROPERTY LINE	7.21	7.11	7.00	6.89	6.78	6.61	6.29	5.98	5.73	5.60	PROPOSED PROPERTY LINE
EXISTING TOP OF CURB	6.92	6.67	6.58	6.43	6.29	6.17	5.89	5.59	5.30	5.12	EXISTING TOP OF CURB
PROPOSED TOP OF CURB	6.96	6.85	6.74	6.63	6.52	6.35	6.03	5.72	5.47	5.32	PROPOSED TOP OF CURB
EXISTING BOTTOM OF CURB	6.46	6.31	6.13	5.94	5.97	5.77	5.39	5.00	4.87	4.72	EXISTING BOTTOM OF CURB
PROPOSED BOTTOM OF CURB	6.47	6.34	6.21	6.08	5.95	5.76	5.45	5.14	4.89	4.73	PROPOSED BOTTOM OF CURB
PROPOSED CURB HEIGHT	8.46"	8.76"	8.96"	9.16"	9.56"	9.56"	9.56"	9.56"	9.56"	9.56"	PROPOSED CURB HEIGHT
PROPOSED X-SLOPE	1.9%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.2%	PROPOSED X-SLOPE
	10+25	10+50	10+75	11+00	11+25	11+50	11+75	12+00	12+25	12+50	

1 PROFILE AT SIGOURNEY STREET (SOUTH SIDE)

PARTNERS FOR ARCHITECTURE
48 UNION STREET,
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BASIS INDEPENDENT SCHOOLS

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phone 520.577.4560 www.cca-az.com

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1	11/06/2013	NYC DEPARTMENT OF PARKS AND RECREATION	ISSUED FOR PERMIT

NORTH

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DRAWING NO:	BPP-101.00
CADD FILE NO: J:\Proj2013\607 BASIS	83 of 272

Figure 4 – Surrounding Land Use Map

RED HOOK NEIGHBORHOOD

Figure 5 – Site Excavation Diagram

PARCEL OUTLINE: NYC DIGITAL TAX MAP, ACCESSED 8-5-2013
AERIAL PHOTO: NYC DIGITAL TAX MAP, ACCESSED 8-5-2013

SITE EXCAVATION DIAGRAM

556 COLUMBIA STREET
(BLOCK 601, LOT 17)
BROOKLYN, NEW YORK

FIGURE 5

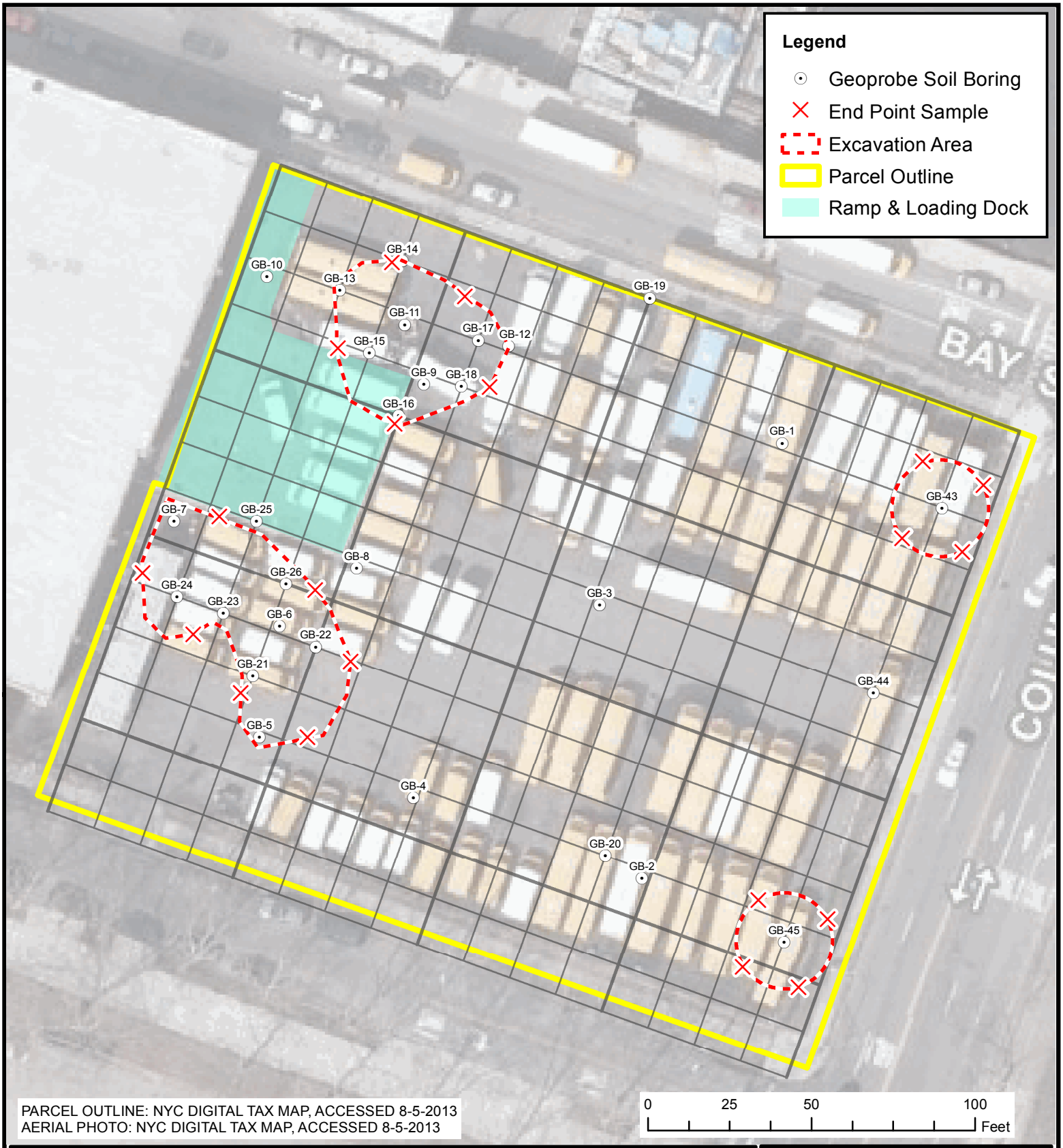
DATE:	10/25/2013
SCALE:	1 " = 40 '
PROJECT NUMBER:	560896

ALL LOCATIONS APPROXIMATE

PVE Sheffler
Engineering • Survey • Environmental

48 Springside Avenue
Poughkeepsie, New York 12603
Phone: (845) 454-2544
Fax: (845) 454-2655

Figure 6 – Map of End-Point Sample Locations



PARCEL OUTLINE: NYC DIGITAL TAX MAP, ACCESSED 8-5-2013
AERIAL PHOTO: NYC DIGITAL TAX MAP, ACCESSED 8-5-2013

MAP OF END POINT SAMPLES

556 COLUMBIA STREET
(BLOCK 601, LOT 17)
BROOKLYN, NEW YORK

FIGURE 6

DATE:	10/25/2013
SCALE:	1 " = 40 '
PROJECT NUMBER:	560896

ALL LOCATIONS APPROXIMATE

PVE Sheffler
48 Springside Avenue
Poughkeepsie, New York 12603
Phone: (845) 454-2544
Fax: (845) 454-2655

Figure 7 – Map of Backfill Placement & Demarcation

THE FOLLOWING GUIDELINES SHALL BE OBSERVED WHEN CITING TREE PITS ALONG SIDEWALKS. THESE GUIDELINES GENERALLY FOLLOW REGULATIONS OF OTHER AGENCIES WITH STREET JURISDICTIONS SUCH AS FIRE, DOT, AND MTA. THESE REQUIREMENTS ARE DESIGN AND SPECIES DEPENDENT. THE AMERICANS WITH DISABILITIES ACT (ADA) GUIDELINES MUST BE FOLLOWED.

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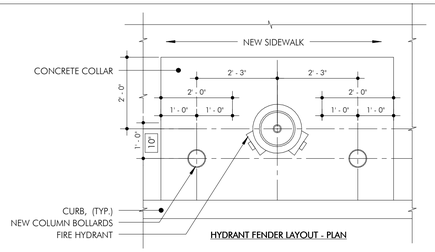
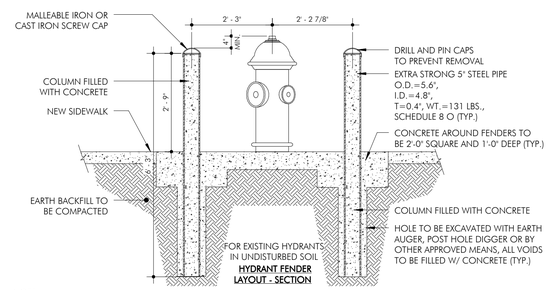
E. MINIMUM DISTANCE FROM OTHER TRAFFIC SIGNS IS 6'.
F. SUGGESTED DISTANCE FROM A PARKING METER IS MORE THAN 5' BEHIND THE METER, TO ALLOW FOR THE SWING OF CAR DOORS.
G. MINIMUM DISTANCE FROM A GAS OR WATER VALVE IS 2' FROM THE EDGE OF THE PIT.
H. MINIMUM DISTANCE FROM AN OIL FILL PIPE IS 4' FROM THE EDGE OF THE PIT.
I. MINIMUM DISTANCE FROM A COAL CHUTE IS 6'. (N/A)
J. MINIMUM DISTANCE FROM A FIRE HYDRANT IS 5' FROM THE EDGE OF THE PIT.
K. MINIMUM DISTANCE FROM A CURB CUT OR DRIVEWAY IS 7'.
L. MINIMUM DISTANCE FROM THE MIDDLE OF A STREET INTERSECTION IS 40'.
M. MINIMUM DISTANCE FROM THE EDGE OF THE PIT TO ANY OPPOSITE OBSTRUCTION (BUILDING WALL, STOOP, RAILING, ETC) IS FROM 4' TO 6', DEPENDING UPON LOCAL CONDITIONS AND THE AMOUNT OF SIDEWALK TRAFFIC.
N. ALL TREE PITS MUST BE CONTIGUOUS TO THE STREET CURB (EXCEPT AS NOTED BELOW, OR WITH THE PERMISSION OF THE AGENCY REPRESENTATIVE).
O. TREES MAY BE PLANTED ON EITHER SIDE OF SIDEWALKS (IF ANY EXIST) IN LAWN AREAS WHERE THERE IS SUFFICIENT ROOM BETWEEN THE PROPERTY LINE AND THE STREET CURB.
P. DO NOT PLANT WITHIN BUS STOPS.

THE LOCATIONS OF ALL TREES SHOWN ON PLANS MAY BE RELOCATED AS REQUIRED BY SITE AND AS DIRECTED BY THE AGENCY REPRESENTATIVE.
ALL NEW TREES TO BE GUARANTEED A MINIMUM OF TWO (2) YEARS.
NEW TREES TO BE AS SHOWN ON TREE SCHEDULE ON THIS SHEET. SIZE TO BE A MINIMUM OF 2 1/2" MEASURED A DISTANCE OF SIX (6) INCHES FROM THE FINISHED GRADE AND NO LARGER THAN 3 1/2" IN CALIPER.
ALL NEW TREES TO BE MAINTAINED UNTIL TWO (2) YEARS AFTER FINAL ACCEPTANCE.
STAKES SHALL BE MAINTAINED THROUGHOUT THE ENTIRE TWO (2) YEAR GUARANTEE PERIOD.
PLANTING SEASONS AS PER THE PARKS AND RECREATION RULES AND REGULATIONS.
ALL TREES TO BE NURSERY GROWN IN A USDA HARDINESS ZONE OF 7B OR LOWER.

4 GUIDELINES FOR STREET PARKING



HYDRANT FENDER LAYOUT - PLAN



HYDRANT FENDER LAYOUT - SECTION

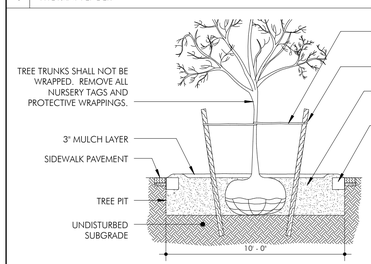
NOTE:
ALL PARTS OF HYDRANT FENDER SHALL BE CLEANED OF SCALE, RUST AND DIRT AND BE COATED ON THE OUTSIDE WITH ONE COAT OF BLACK ASPHALT PAINT BELOW THE GROUND AND ONE COAT OF ALUMINUM PAINT ABOVE THE GROUND.

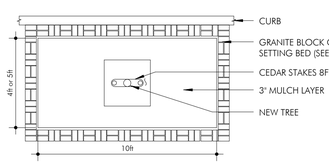
DIMENSIONS SHOWN THUS ____ ARE TYPICAL DIMENSIONS

DIMENSIONS MARKED WITH AN * ARE MINIMUM DIMENSIONS.

CONCRETE COLLARS SHALL BE SQUARED AND MADE FLUSH WITH NEW SIDEWALK PAVEMENT AND CURB

3 HYDRANT FENDER





NOTE:

1. ALL MATERIALS AND CONSTRUCTION METHODS USED ARE TO CONFORM TO SECTION #4.16 OF THE STANDARD HIGHWAY SPECIFICATIONS, LATEST EDITION.

2. PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL OBTAIN THE NECESSARY PERMIT FROM THE DEPARTMENT OF PARKS AND RECREATIONS FOR THE REMOVAL AND PLANTING OF TREES.

3. TREE PITS SHOULD BE LOCATED TWO FEET MINIMUM FROM GAS, OIL OR WATER BOXES.

4. TREE STAKES ARE TO BE REMOVED BY THE TREE SUBCONTRACTOR NOT LESS THAN ONE YEAR AFTER PLANTING OF SAID TREES AND PRIOR TO THE FINAL ACCEPTANCE OF THE WORK.

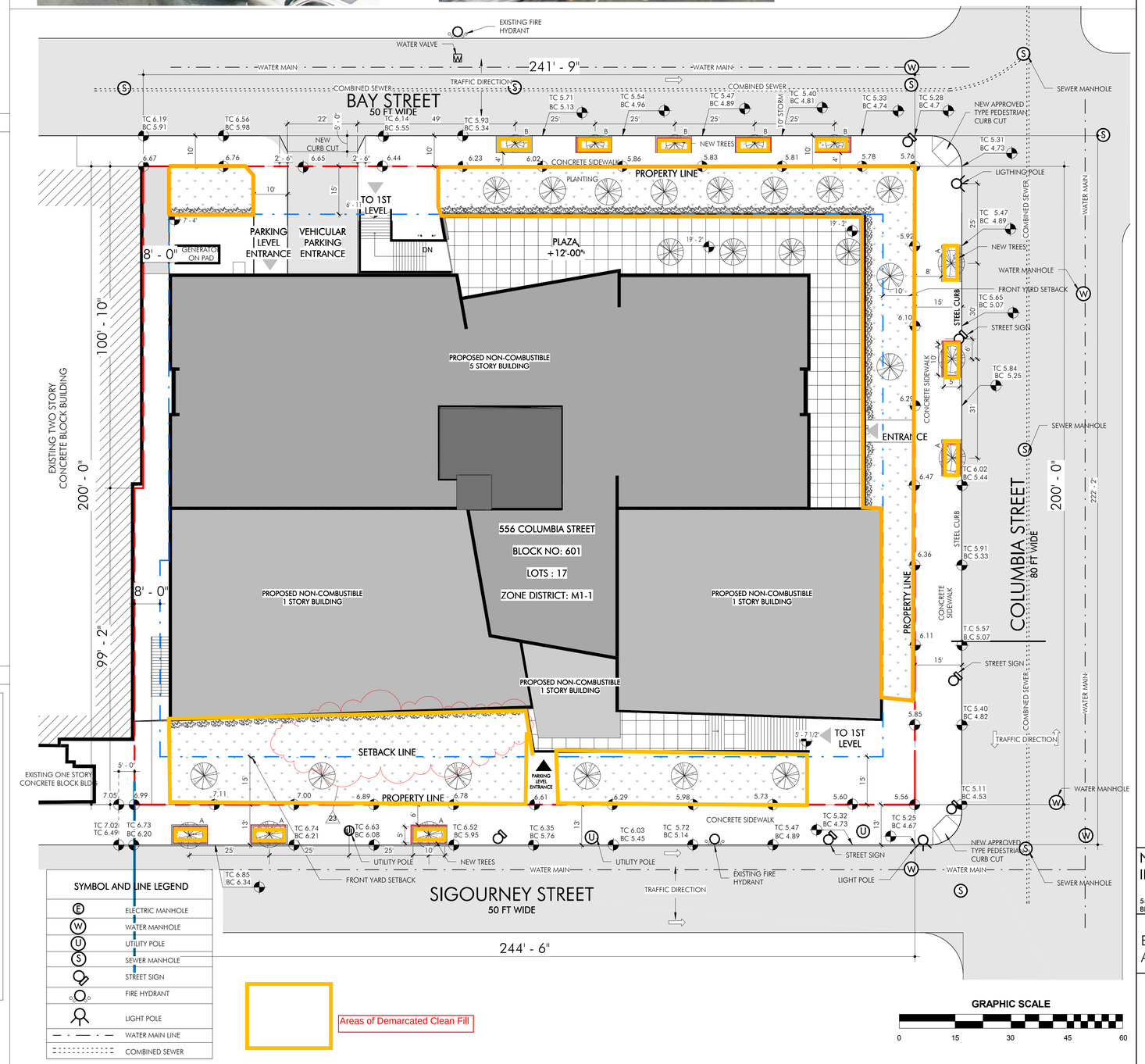
5. USE OF SIDEWALK PAVEMNT MATERIALS OTHER THAN GRANITE BLOCK MUST BE SPECIFICALLY APPROVED, IN WRITING, BY ENGINEER.

6. GRANITE BLOCK IN TREE PIT SHALL BE PAID FOR UNDER ITEM NO 6.06 AB OR 6.06 BB, AS APPLICABLE.

7. WHERE CONCRETE PAVERS ARE SPECIFIED FOR USE IN. TREE PITS THEY SHALL BE PAID FOR UNDER ITEM NO. 6.47 TP.

8. 28 NUMBER OF TREES REQUIRED. EXACT LOCATION TO BE DETERMINED BY DEPT. OF PARKS AND RECREATION.

2 STREET TREE PLANTING DETAIL - AS PER DOT STD. H1046



1 BPP SITE PLAN

SCALE 1"=15'-0"

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BASIS INDEPENDENT SCHOOLS

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DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
23	11/10/2014	DOB DEPARTMENT OF BUILDING	PAA ISSUED FOR PERMIT
14	05/22/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
8	03/07/2014	CLIENT AND CONTRACTOR	ADD. ALTERNATES
7	02/27/2014	CLIENT AND CONTRACTOR	ADD. ALTERNATE #1
6	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
5	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/06/2013	NYC DEPARTMENT OF PARKS AND RECREATION	ISSUED FOR PERMIT

NORTH

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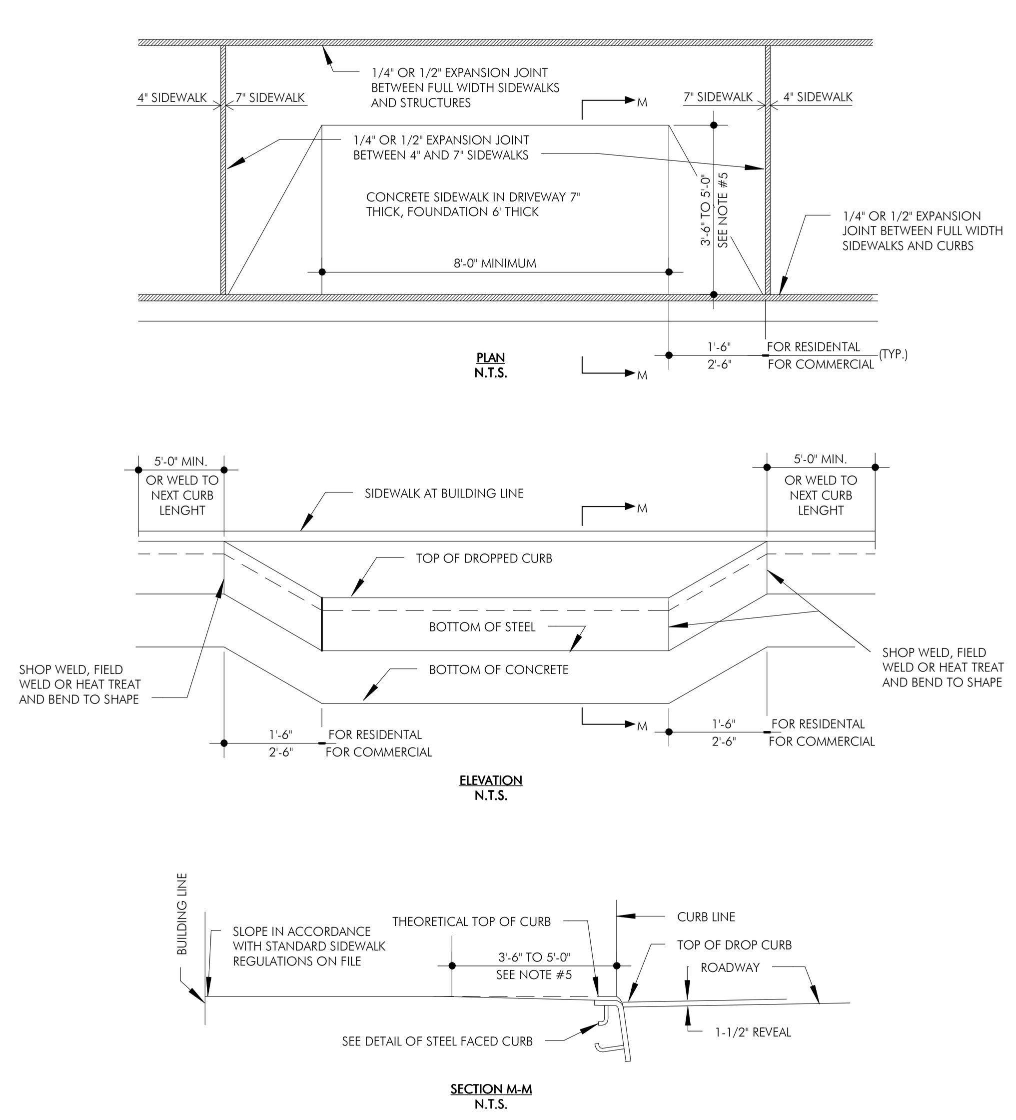
NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

556 COLUMBIA STREET
BROOKLYN, NY 11231

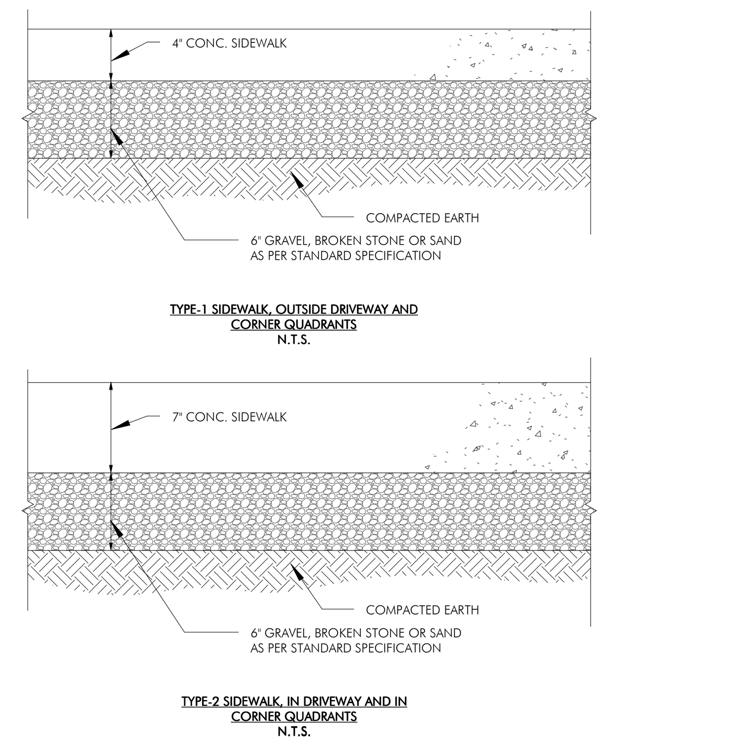
BUILDERS PAVEMENT PLAN AND DETAILS

SEAL & SIGNATURE

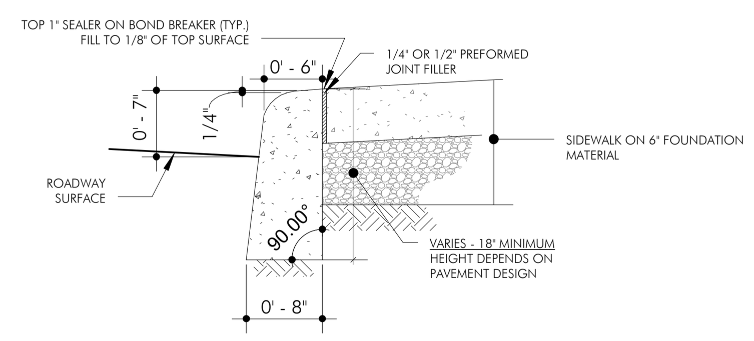
DATE:	07/24/2014
PROJECT NO.:	13-607
DRAWN BY:	BT
CHECKED BY:	SVG
DRAWING NO:	BPP-100.01
CAD FILE NO:	J:\Proj2013\607 BASIS



8 STEEL FACED DROP CURB DRIVEWAYS AS PER H-1015



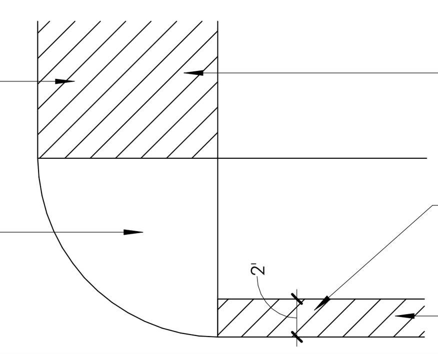
10 CONCRETE SIDEWALK A S PER H-1045



9 CONCRETE CURB AS PER H-1044

NEW CURBS AS DIRECTED

PEDESTRIAN RAMPS TO BE INSTALLED WHERE DIRECTED, PAYMENT CHARGEABLE TO THE CITY OR PROPERTY OWNER, AS DIRECTED.

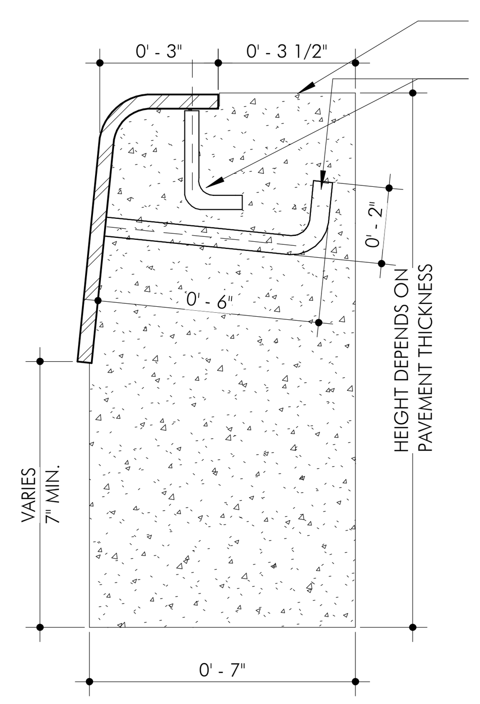


NO SIDEWALK TO BE INSTALLED IN THIS AREA (TYPICAL) UNLESS SIDEWALK VIOLATIONS HAVE BEEN PROPERLY ISSUED AND VERIFIED BY THE ENGINEER. PAYMENT TO BE REIMBURSED FROM THE PROPERTY OWNER

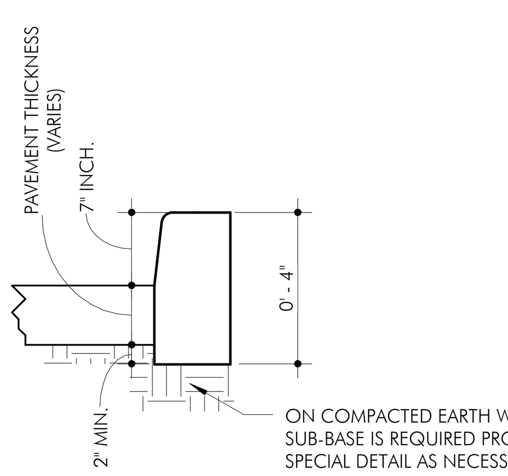
WHERE EXISTING SIDEWALK REMAINS AND CURB IS REPLACED, THE PAVEMENT THIS AREA IS NOT CHARGEABLE TO THE PROPERTY OWNER.

NEW CURB

7 SIDEWALK PAVEMENT LIMITS - AS PER H1045



DETAIL
N.T.S.

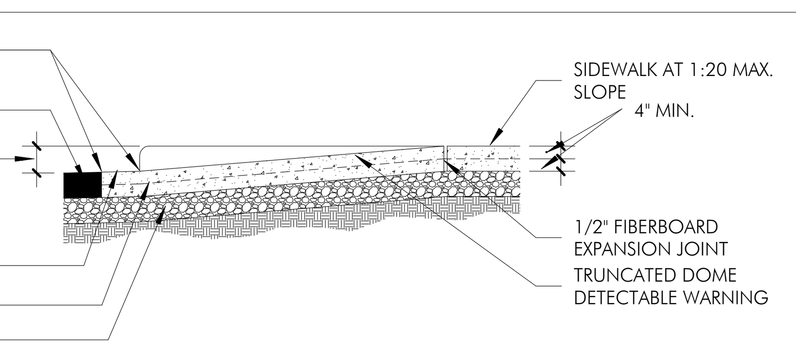


TYPICAL SECTION
N.T.S.

NOTES:

1. EXPANSION JOINTS IN THE STEEL CURB FACING AND CONCRETE BACKING SHAIL BE AT A MAXIMUM SPACING OF 24 FEET.
2. THE EXPANSION JOINTS OF THE CURB AND STEEL CURB FACING SHALL LINE UP WITH THE EXPANSION JOINTS OF THE CONCRETE SIDEWALKS. WHEREVER POSSIBLE.
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" DIA. x 6" HEADED ANCHOR STUDS (GRANULAR OR SOLID FLUX FILLED) MAY BE SUBSTITUTED.
5. STRUCTURAL STEEL (A.S.T.M. DESIGNATION A35),
6. SURFACE TO BE CLEANED AND PAINTED AS PER NVCDOT STANDARO HIGHWAY SPECIFICATIONS, SECTION 2.13. COLOR OF TOP COAT SHALL BE GRAY AS APPROVED BY THE ENGINEER.
7. WHERE TWO (2) PIECES OF STEEL CURB FACING ARE JOINED BUT NOT WELDED, TWO (2) ONE HAIF (1/2) INCH RODS. TWENTY FOUR (24) INCHES LONG SHALL BE INSERTED INTO THE CONCRETE BACKING, ONE-HAIF (1/2) THE LENGTH AT 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.

6 STEEL FACED CONCRETE CURB STEEL FACING TYPE D / AS PER DOT . STD. H-1010

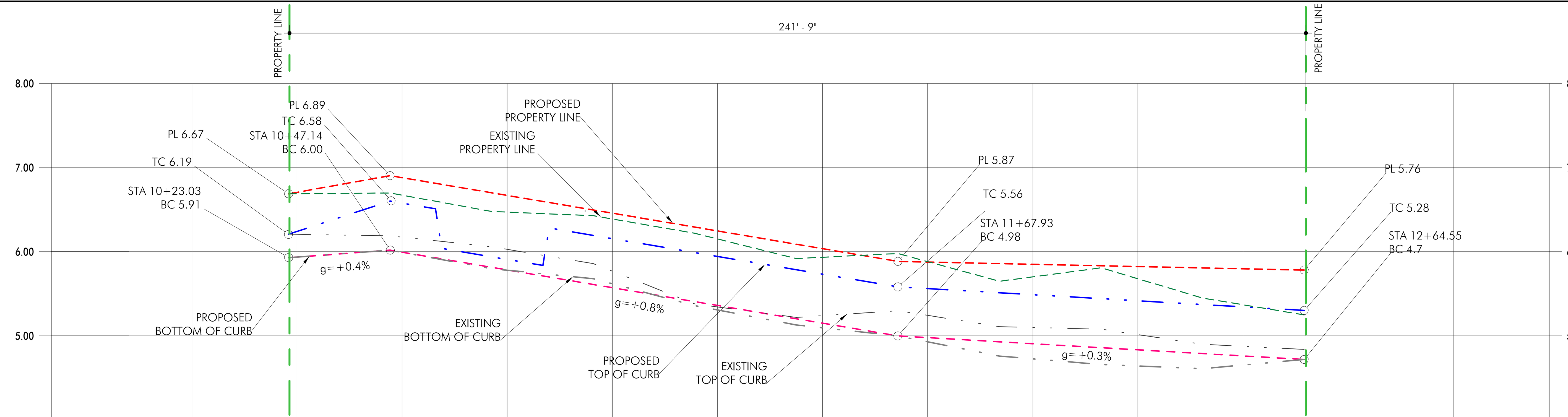


5 CURB RAMP SECTION

SYMBOL	COMMON NAME	SCIENTIFIC NAME	SPREAD	TREE TYPE	GROWTH RATE	SUN EXPOSURE	SOIL TYPE
A	PURPLELEAF PLUM	PRUNUS CERASIFERA	15'-25'	SMALL SHADE	MEDIUM	FULL SUN	SOME SAND TO SOME CLAY. PH RANGE: 4.5 TO 7.5 WATER RANGE: NORMAL TO MOIST
B	CHINESE ELM	UMUS PARVIFOLIA	35'	SHADY	MEDIUM	PARTIAL SHADE TO FULL SUN	SHADY, LOAMY OR CLAY. PH RANGE:p 4.0 TO 7.0

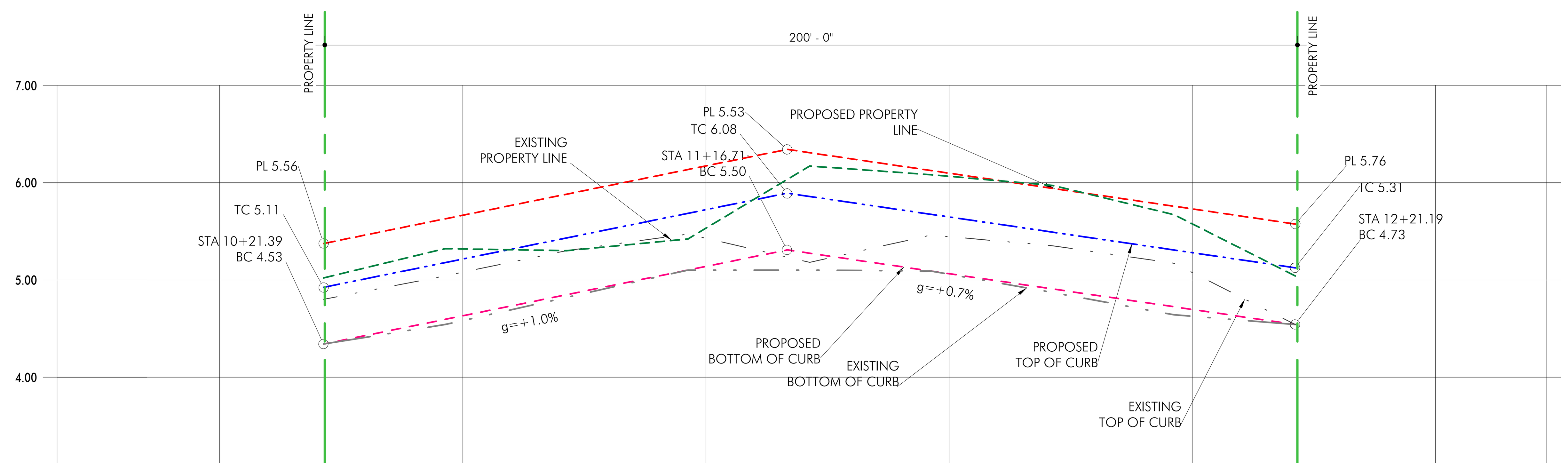
TOTAL NUMBERS OF TREES REQUIRED BY NOC DOB	27
EXISTING TREES TO BE PRESERVED	0
EXISTING TREES TO BE REMOVED	0
NEW STREET TREES TO BE PLANTED AT THE LOCATION (ON-SITE)	11
NEW TREES TO BE PLANTED AT AN ALTERNATE LOCATION (OFF-SITE)	16
PROPOSED TREES WHERE PAYMENT WILL BE MADE TO PARKS FOR PLANTING	0
OFF-SITE TREES SATISFIED WITH FUND PAYMENTS UNDER PREVIOUS APPLICATION	0

4 TREE TYPES & NUMBER OF TREES REQUIREMENT /PROPOSED



	10+50	10+75	11+00	11+25	11+50	11+75	12+00	12+25	12+50
EXISTING PROPERTY LINE	6.65	6.45	6.37	6.13	5.92	5.86	5.68	5.66	5.43
PROPOSED PROPERTY LINE	6.76	6.65	6.44	6.23	6.02	5.86	5.83	5.81	5.78
EXISTING TOP OF CURB	6.15	6.01	5.75	5.32	5.22	5.22	5.08	4.99	4.86
PROPOSED TOP OF CURB	6.56	5.89 (CURB CUT)	6.14	5.93	5.71	5.54	5.47	5.40	5.33
EXISTING BOTTOM OF CURB	5.97	5.76	5.60	5.29	5.08	4.91	4.71	4.62	4.63
PROPOSED BOTTOM OF CURB	5.98	5.76 (CURB CUT)	5.55	5.34	5.13	4.96	4.89	4.81	4.74
PROPOSED CURB HEIGHT	9.56"	9.56"	9.56"	9.56"	9.56"	9.56"	9.56"	9.56"	9.56"
PROPOSED X-SLOPE	3.0%		3.0%	3.0%	3.1%	3.2%	3.6%	4.1%	4.5%

3 PROFILE AT BAY STREET (NORTH SIDE)

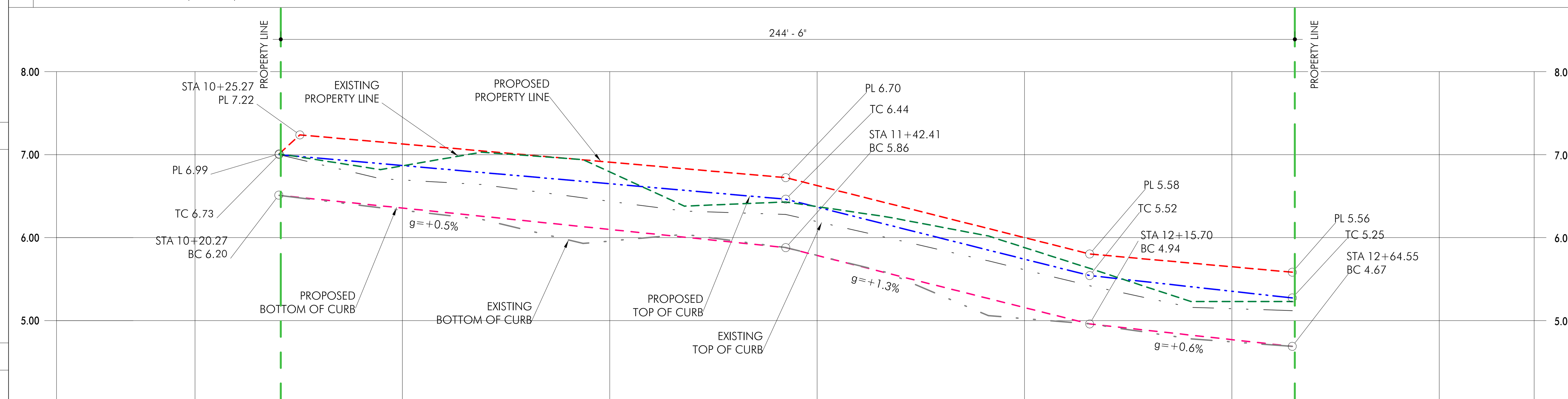


PROFILE LINE LEGEND

- EXISTING TOP OF CURB
- PROPOSED TOP OF CURB
- EXISTING BOTTOM OF CURB
- PROPOSED BOTTOM OF CURB
- EXISTING PROPERTY LINE
- PROPOSED PROPERTY LINE

	10+50	10+75	11+00	11+25	11+50	11+75	12+00
EXISTING PROPERTY LINE	5.51	5.51	5.72	6.35	6.25	6.12	5.76
PROPOSED PROPERTY LINE	5.85	6.11	6.36	6.47	6.29	6.10	5.92
EXISTING TOP OF CURB	5.27	5.51	5.62	5.41	5.63	5.51	5.26
PROPOSED TOP OF CURB	5.40	5.57	5.91	6.02	5.84	5.65	5.47
EXISTING BOTTOM OF CURB	4.77	5.05	5.29	5.29	5.25	5.03	4.81
PROPOSED BOTTOM OF CURB	4.82	5.07	5.33	5.44	5.25	5.07	4.89
PROPOSED CURB HEIGHT	9.56"	9.56"	9.56"	9.56"	9.56"	9.56"	9.56"
PROPOSED X-SLOPE	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%

2 PROFILE AT COLUMBIA STREET (EAST SIDE)



	10+50	10+75	11+00	11+25	11+50	11+75	12+00	12+25	12+50
EXISTING PROPERTY LINE	6.85	6.99	6.77	6.37	6.35	6.15	5.86	5.46	5.21
PROPOSED PROPERTY LINE	7.11	7.00	6.89	6.78	6.61	6.29	5.98	5.73	5.60
EXISTING TOP OF CURB	6.67	6.58	6.43	6.29	6.17	5.89	5.59	5.30	5.12
PROPOSED TOP OF CURB	6.85	6.74	6.63	6.52	6.35	6.03	5.72	5.47	5.32
EXISTING BOTTOM OF CURB	6.31	6.13	5.94	5.97	5.77	5.39	5.00	4.87	4.72
PROPOSED BOTTOM OF CURB	6.34	6.21	6.08	5.95	5.76	5.45	5.14	4.89	4.73
PROPOSED CURB HEIGHT	8.76"	8.96"	9.16"	9.56"	9.56"	9.56"	9.56"	9.56"	9.56"
PROPOSED X-SLOPE	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.2%

1 PROFILE AT SIGOURNEY STREET (SOUTH SIDE)

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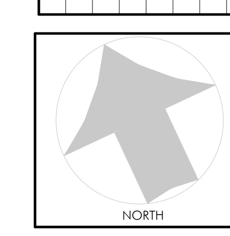
DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
23	11/10/2014	DOB	PAA
14	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	01/17/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE-II
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-I
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
1	11/06/2013	NYC DEPARTMENT OF PARKS AND RECREATION	ISSUED FOR PERMIT



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NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

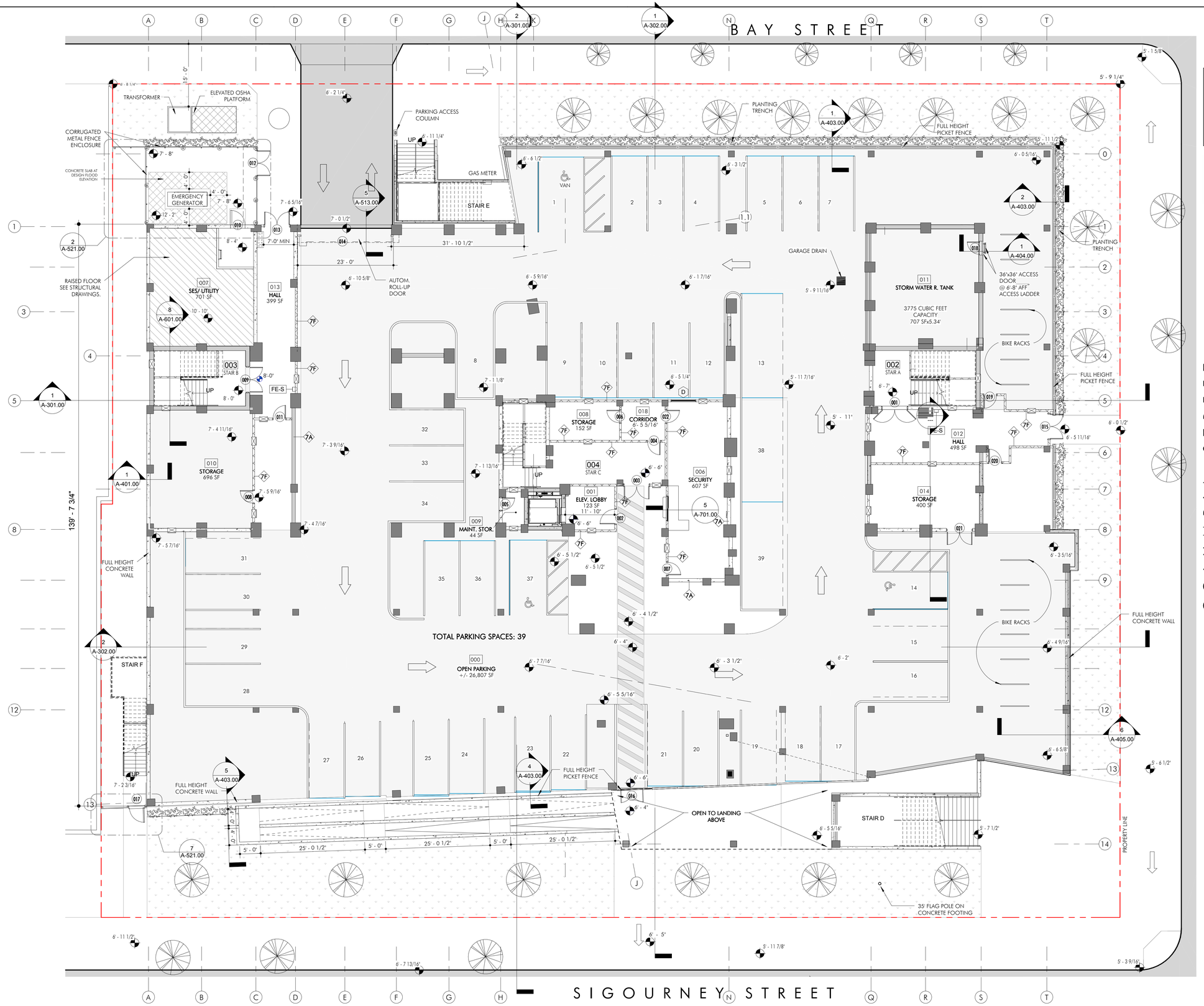
556 COLUMBIA STREET
BROOKLYN, NY 11231

BUILDERS PAVEMENT PLAN AND DETAILS

SEAL & SIGNATURE

DATE:	07/24/2014
PROJECT NO.:	13-607
DRAWN BY:	BT
CHECKED BY:	SVG
DRAWING NO:	BPP-101.01
CAD FILE NO:	J:\Proj2013\607 BASIS

Figure 8 – Site-Wide Cover System Plan



PARKING SPACES PROVIDED:

TOTAL PARKING SPACES - 39

H.C. PARKING SPACES - 2

VAN PARKING SPACE - 1

SEE ZONING REQUIREMENTS ON 3/G102.00

16" X 8" FLOOD VENT W/ 2HR FIRE DAMPER, PROTECTS 200 SF FLOOR AREA W/BOTTOM INSTALLED AT BETWEEN 6" - 12" AFF.

1 GROUND LEVEL PLAN

SCALE 3/32" = 1'-0"

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DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
15	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
13	05/19/2014	CLIENT AND CONTRACTOR	BULLETIN 5
12	05/07/2014	CLIENT AND CONTRACTOR	BULLETIN 4
9	04/11/2014	CLIENT AND CONTRACTOR	BULLETIN 1
8	02/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-1
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
3	11/01/2013	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
2	10/18/2013	OWNER	OWNER REVIEW
1	10/16/2013	DOB	ZONING AND EGRESS REVIEW

NORTH

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NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

556 COLUMBIA STREET
BROOKLYN, NY 11231

FLOOR PLAN GROUND LEVEL

SEAL & SIGNATURE

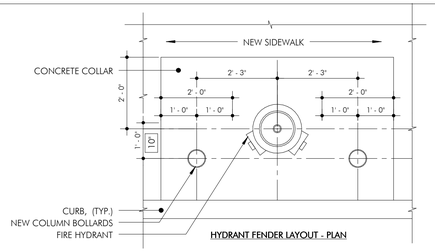
DATE:	04/11/2014
PROJECT NO.:	13-607
DRAWN BY:	BT
CHECKED BY:	RS
DRAWING NO:	A-100.00
CADD FILE NO: J:\Proj2013\607 BASIS	20 of 272

THE FOLLOWING GUIDELINES SHALL BE OBSERVED WHEN CITING TREE PITS ALONG SIDEWALKS. THESE GUIDELINES GENERALLY FOLLOW REGULATIONS OF OTHER AGENCIES WITH STREET JURISDICTIONS SUCH AS FIRE, DOT, AND MTA. THESE REQUIREMENTS ARE DESIGN AND SPECIES DEPENDENT. THE AMERICANS WITH DISABILITIES ACT (ADA) GUIDELINES MUST BE FOLLOWED.

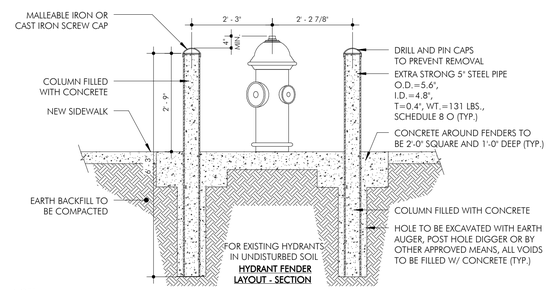
A. DO NOT PLANT IN FRONT OF BUILDING ENTRANCES IN ORDER TO PERMIT EASY ACCESS BY THE FIRE DEPARTMENT.
B. MINIMUM DISTANCE BETWEE TREES (CENTER TO CENTER) RANGES FROM 20' TO 30', DEPENDING UPON THE TREE SPECIES AND OTHER LOCAL CONDITIONS).
C. MINIMUM DISTANCE FROM A STREETLIGHT IS 25' (VARIES WITH TREE SPECIES).
D. MINIMUM DISTANCE FROM A STOP SIGN IS 30'.
E. MINIMUM DISTANCE FROM OTHER TRAFFIC SIGNS IS 6'.
F. SUGGESTED DISTANCE FROM A PARKING METER IS MORE THAN 5' BEHIND THE METER, TO ALLOW FOR THE SWING OF CAR DOORS.
G. MINIMUM DISTANCE FROM A GAS OR WATER VALVE IS 2' FROM THE EDGE OF THE PIT.
H. MINIMUM DISTANCE FROM AN OIL FILL PIPE IS 4' FROM THE EDGE OF THE PIT.
I. MINIMUM DISTANCE FROM A COAL CHUTE IS 6'. (N/A)
J. MINIMUM DISTANCE FROM A FIRE HYDRANT IS 5' FROM THE EDGE OF THE PIT.
K. MINIMUM DISTANCE FROM A CURB CUT OR DRIVEWAY IS 7'.
L. MINIMUM DISTANCE FROM THE MIDDLE OF A STREET INTERSECTION IS 40'.
M. MINIMUM DISTANCE FROM THE EDGE OF THE PIT TO ANY OPPOSITE OBSTRUCTION (BUILDING WALL, STOOP, RAILING, ETC) IS FROM 4' TO 6', DEPENDING UPON LOCAL CONDITIONS AND THE AMOUNT OF SIDEWALK TRAFFIC.
N. ALL TREE PITS MUST BE CONTIGUOUS TO THE STREET CURB (EXCEPT AS NOTED BELOW, OR WITH THE PERMISSION OF THE AGENCY REPRESENTATIVE).
O. TREES MAY BE PLANTED ON EITHER SIDE OF SIDEWALKS (IF ANY EXIST) IN LAWN AREAS WHERE THERE IS SUFFICIENT ROOM BETWEEN THE PROPERTY LINE AND THE STREET CURB.
P. DO NOT PLANT WITHIN BUS STOPS.

THE LOCATIONS OF ALL TREES SHOWN ON PLANS MAY BE RELOCATED AS REQUIRED BY SITE AND AS DIRECTED BY THE AGENCY REPRESENTATIVE.
ALL NEW TREES TO BE GUARANTEED A MINIMUM OF TWO (2) YEARS.
NEW TREES TO BE AS SHOWN ON TREE SCHEDULE ON THIS SHEET. SIZE TO BE A MINIMUM OF 2 1/2" MEASURED A DISTANCE OF SIX (6) INCHES FROM THE FINISHED GRADE AND NO LARGER THAN 3 1/2" IN CALIPER.
ALL NEW TREES TO BE MAINTAINED UNTIL TWO (2) YEARS AFTER FINAL ACCEPTANCE.
STAKES SHALL BE MAINTAINED THROUGHOUT THE ENTIRE TWO (2) YEAR GUARANTEE PERIOD.
PLANTING SEASONS AS PER THE PARKS AND RECREATION RULES AND REGULATIONS.
ALL TREES TO BE NURSERY GROWN IN A USDA HARDINESS ZONE OF 7B OR LOWER.

4 GUIDELINES FOR STREET PARKING



HYDRANT FENDER LAYOUT - PLAN



HYDRANT FENDER LAYOUT - SECTION

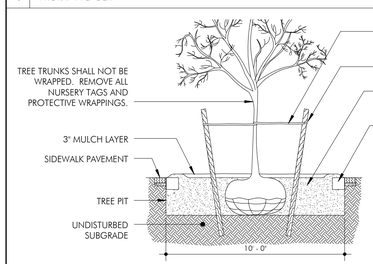
NOTE:
ALL PARTS OF HYDRANT FENDER SHALL BE CLEANED OF SCALE, RUST AND DIRT AND BE COATED ON THE OUTSIDE WITH ONE COAT OF BLACK ASPHALT PAINT BELOW THE GROUND AND ONE COAT OF ALUMINUM PAINT ABOVE THE GROUND.

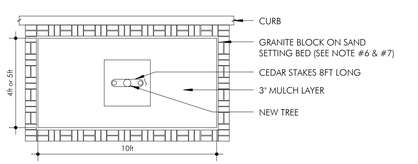
DIMENSIONS SHOWN THUS ____ ARE TYPICAL DIMENSIONS

DIMENSIONS MARKED WITH AN * ARE MINIMUM DIMENSIONS.

CONCRETE COLLARS SHALL BE SQUARED AND MADE FLUSH WITH NEW SIDEWALK PAVEMENT AND CURB

3 HYDRANT FENDER





NOTE:

1. ALL MATERIALS AND CONSTRUCTION METHODS USED ARE TO CONFORM TO SECTION #4.16 OF THE STANDARD HIGHWAY SPECIFICATIONS, LATEST EDITION.

2. PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL OBTAIN THE NECESSARY PERMIT FROM THE DEPARTMENT OF PARKS AND RECREATIONS FOR THE REMOVAL AND PLANTING OF TREES.

3. TREE PITS SHOULD BE LOCATED TWO FEET MINIMUM FROM GAS, OIL OR WATER BOXES.

4. TREE STAKES ARE TO BE REMOVED BY THE TREE SUBCONTRACTOR NOT LESS THAN ONE YEAR AFTER PLANTING OF SAID TREES AND PRIOR TO THE FINAL ACCEPTANCE OF THE WORK.

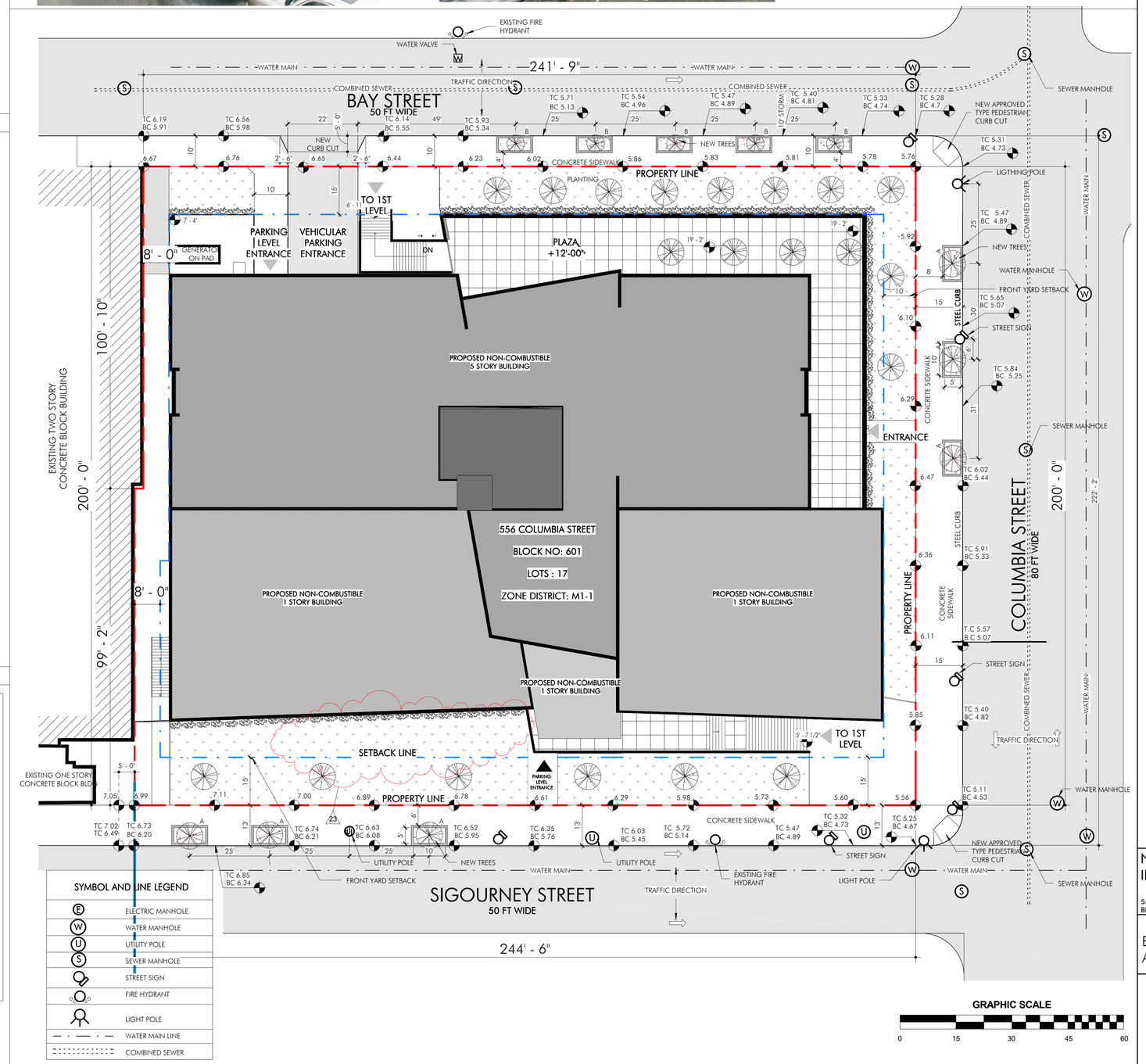
5. USE OF SIDEWALK PAVEMNT MATERIALS OTHER THAN GRANITE BLOCK MUST BE SPECIFICALLY APPROVED, IN WRITING, BY ENGINEER.

6. GRANITE BLOCK IN TREE PIT SHALL BE PAID FOR UNDER ITEM NO 6.06 AB OR 6.06 BB, AS APPLICABLE.

7. WHERE CONCRETE PAVERS ARE SPECIFIED FOR USE IN. TREE PITS THEY SHALL BE PAID FOR UNDER ITEM NO. 6.47 TP.

8. 28 NUMBER OF TREES REQUIRED. EXACT LOCATION TO BE DETERMINED BY DEPT. OF PARKS AND RECREATION.

2 STREET TREE PLANTING DETAIL - AS PER DOT STD. H1046



SYMBOL AND LINE LEGEND

E	ELECTRIC MANHOLE
W	WATER MANHOLE
U	UTILITY POLE
S	SEWER MANHOLE
	STREET SIGN
	FIRE HYDRANT
	LIGHT POLE
— · — · —	WATER MAIN LINE
	COMBINED SEWER

GRAPHIC SCALE
0 15 30 45 60

1 BPP SITE PLAN

SCALE 1"=15'-0"

PARTNERS FOR ARCHITECTURE
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BASIS INDEPENDENT SCHOOLS

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3149 e prince rd #161 tucson, arizona 85716
phone 520.577.4560 www.cca-az.com

ALL THE PROJECT FLOOR ELEVATIONS HAVE BEEN REVISED TO REFLECT N.A.V.D. 1988 STANDARD.(1.46' ABOVE BROOKLYN TOPOGRAPHICAL BUREAU.)

DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
23	11/10/2014	DOB	PAA
14	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	02/27/2014	CLIENT AND CONTRACTOR	ADD. ALTERNATES
6	12/20/2013	CLIENT AND CONTRACTOR	ADD. ALTERNATE II
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
1	11/06/2013	NYC DEPARTMENT OF PARKS AND RECREATION	ISSUED FOR PERMIT

NORTH

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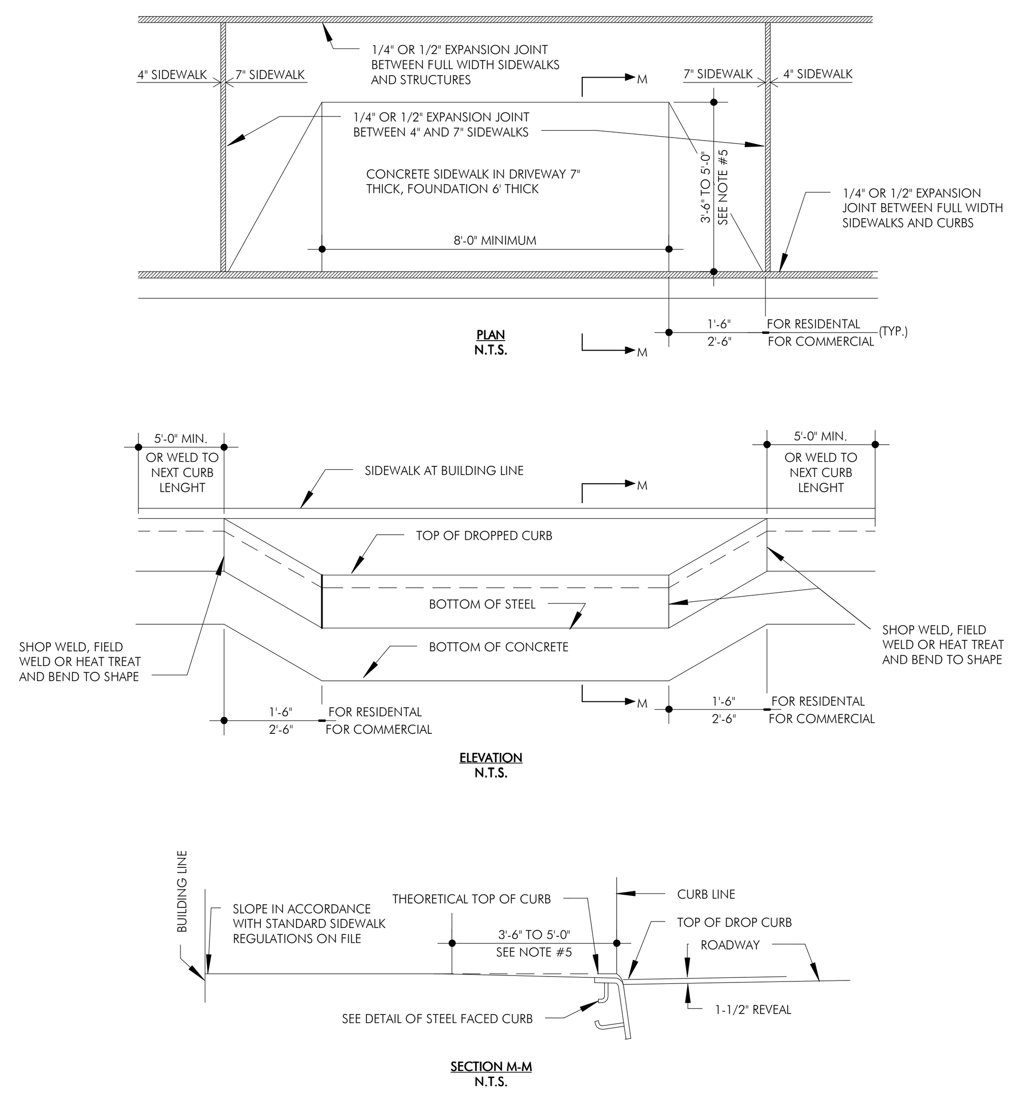
NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

556 COLUMBIA STREET
BROOKLYN, NY 11231

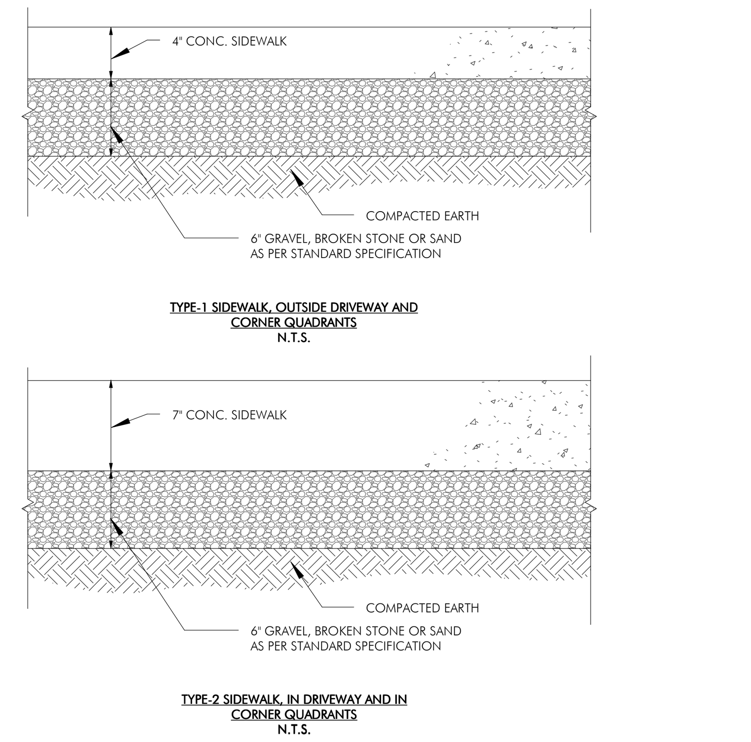
BUILDERS PAVEMENT PLAN AND DETAILS

SEAL & SIGNATURE

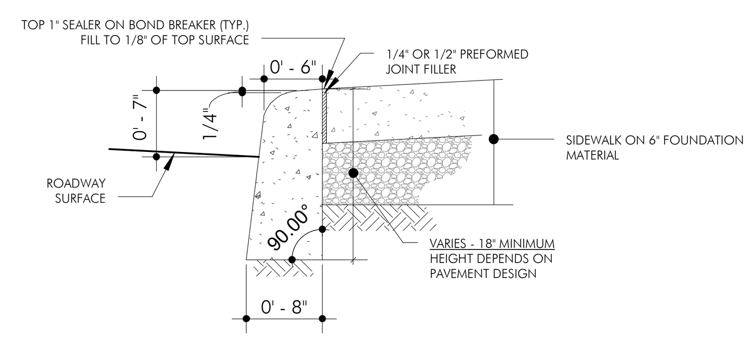
DATE:	07/24/2014
PROJECT NO.:	13-607
DRAWN BY:	BT
CHECKED BY:	SVG
DRAWING NO:	BPP-100.01
CAD FILE NO:	J:\Proj2013\607 BASIS



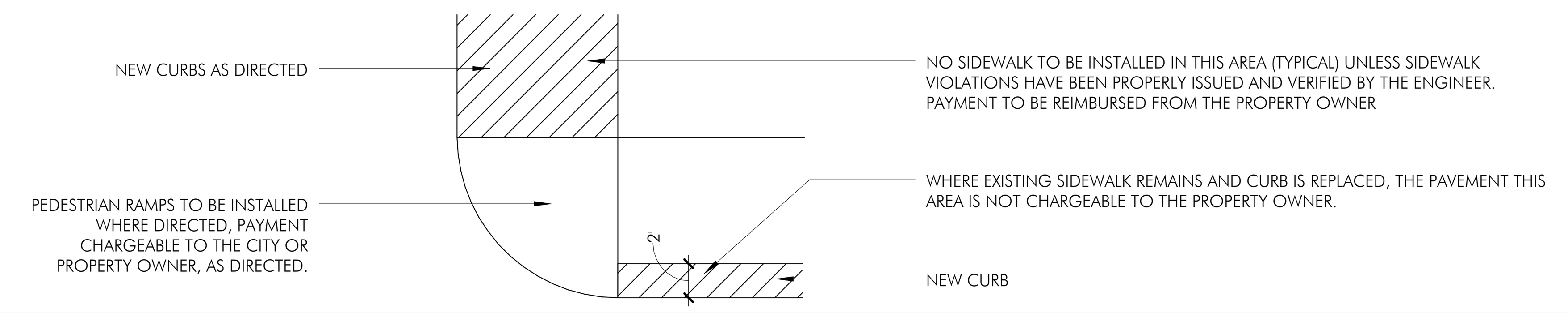
8 STEEL FACED DROP CURB DRIVEWAYS AS PER H-1015



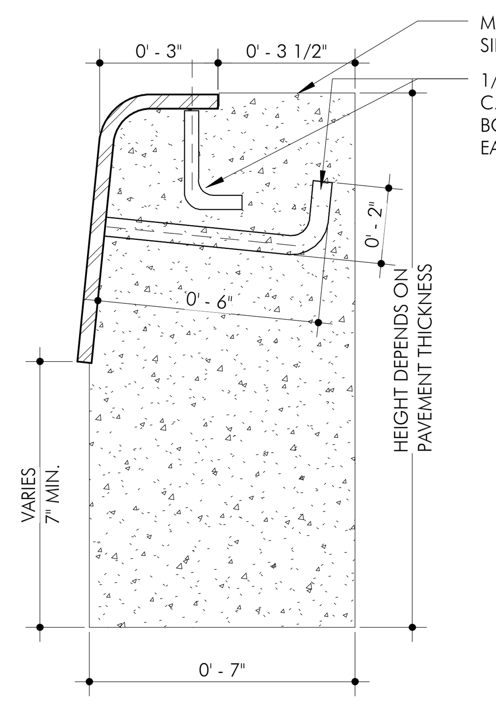
10 CONCRETE SIDEWALK A S PER H-1045



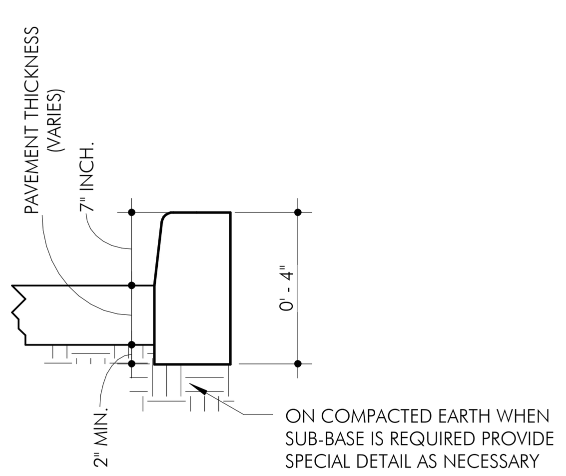
9 CONCRETE CURB AS PER H-1044



7 SIDEWALK PAVEMENT LIMITS - AS PER H1045



DETAIL
N.T.S.



TYPICAL SECTION
N.T.S.

NOTES:

1. EXPANSION JOINTS IN THE STEEL CURB FACING AND CONCRETE BACKING SHAIL BE AT A MAXIMUM SPACING OF 24 FEET.

2. THE EXPANSION JOINTS OF THE CURB AND STEEL CURB FACING SHALL LINE UP WITH THE EXPANSION JOINTS OF THE CONCRETE SIDEWALKS. WHEREVER POSSIBLE.

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" DIA. x 6" HEADED ANCHOR STUDS (GRANULAR OR SOLID FLUX FILLED) MAY BE SUBSTITUTED.

5. STRUCTURAL STEEL (A.S.T.M. DESIGNATION A35),

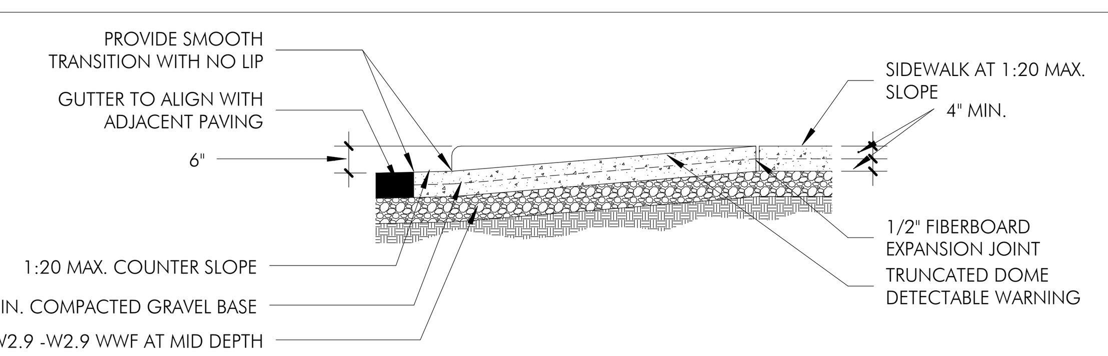
6. SURFACE TO BE CLEANED AND PAINTED AS PER NVCDOT STANDARO HIGHWAY SPECIFICATIONS, SECTION 2.13. COLOR OF TOP COAT SHALL BE GRAY AS APPROVED BY THE ENGINEER.

7. WHERE TWO (2) PIECES OF STEEL CURB FACING ARE JOINED BUT NOT WELDED, TWO (2) ONE HAIF (1/2) INCH RODS. TWENTY FOUR (24) INCHES LONG SHALL BE INSERTED INTO THE CONCRETE BACKING, ONE-HAIF (1/2) THE LENGTH AT 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.

6 STEEL FACED CONCRETE CURB STEEL FACING TYPE D / AS PER DOT . STD. H-1010

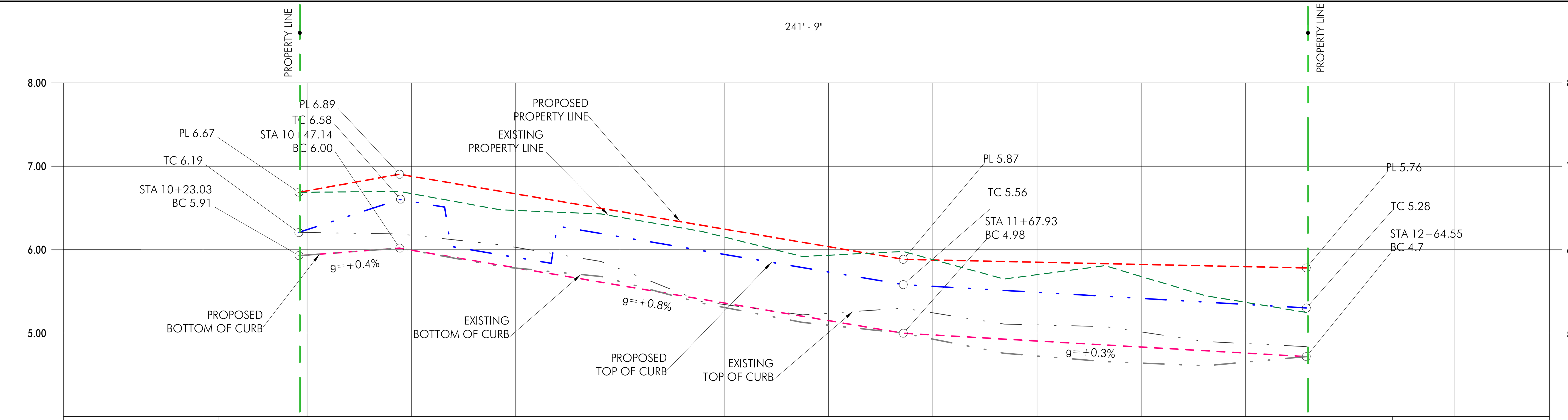


5 CURB RAMP SECTION

SYMBOL	COMMON NAME	SCIENTIFIC NAME	SPREAD	TREE TYPE	GROWTH RATE	SUN EXPOSURE	SOIL TYPE
A	PURPLELEAF PLUM	PRUNUS CERASIFERA	15'-25'	SMALL SHADE	MEDIUM	FULL SUN	SOME SAND TO SOME CLAY. PH RANGE: 4.5 TO 7.5 WATER RANGE: NORMAL TO MOIST
B	CHINESE ELM	UMUS PARVIFOLIA	35'	SHADY	MEDIUM	PARTIAL SHADE TO FULL SUN	SHADY, LOAMY OR CLAY. PH RANGE:p 4.0 TO 7.0

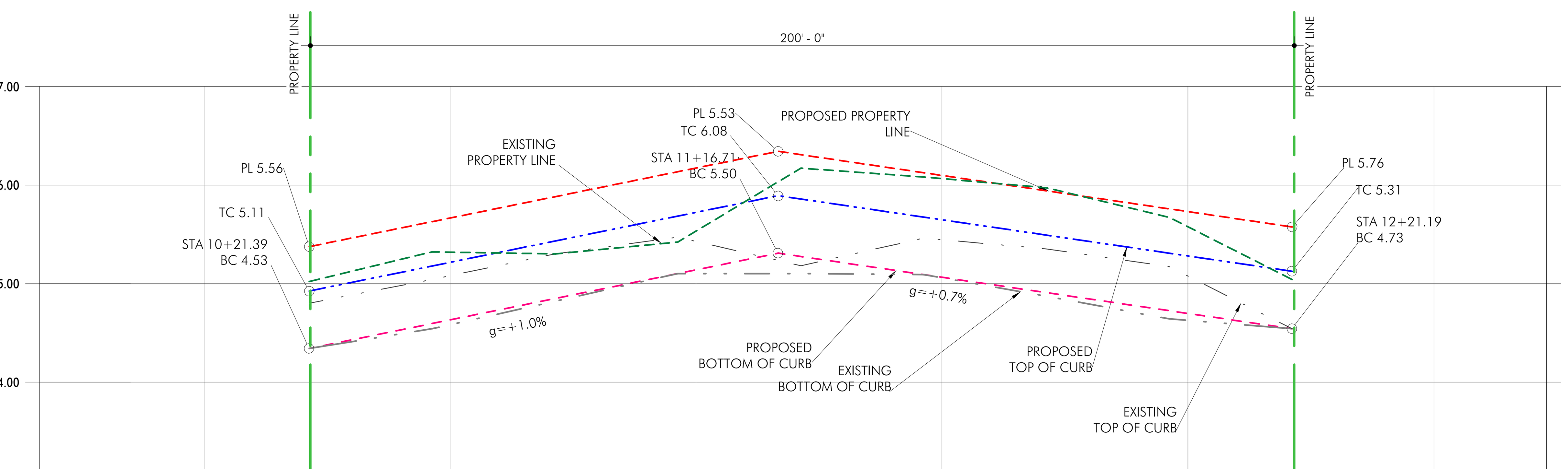
TOTAL NUMBERS OF TREES REQUIRED BY NOC DOB	27
EXISTING TREES TO BE PRESERVED	0
EXISTING TREES TO BE REMOVED	0
NEW STREET TREES TO BE PLANTED AT THE LOCATION (ON-SITE)	11
NEW TREES TO BE PLANTED AT AN ALTERNATE LOCATION (OFF-SITE)	16
PROPOSED TREES WHERE PAYMENT WILL BE MADE TO PARKS FOR PLANTING	0
OFF-SITE TREES SATISFIED WITH FUND PAYMENTS UNDER PREVIOUS APPLICATION	0

4 TREE TYPES & NUMBER OF TREES REQUIREMENT /PROPOSED



	10+50	10+75	11+00	11+25	11+50	11+75	12+00	12+25	12+50
EXISTING PROPERTY LINE	6.65	6.45	6.37	6.13	5.92	5.86	5.68	5.66	5.43
PROPOSED PROPERTY LINE	6.76	6.65	6.44	6.23	6.02	5.86	5.83	5.81	5.78
EXISTING TOP OF CURB	6.15	6.01	5.75	5.32	5.22	5.22	5.08	4.99	4.86
PROPOSED TOP OF CURB	6.56	5.89 (CURB CUT)	6.14	5.93	5.71	5.54	5.47	5.40	5.33
EXISTING BOTTOM OF CURB	5.97	5.76	5.60	5.29	5.08	4.91	4.71	4.62	4.63
PROPOSED BOTTOM OF CURB	5.98	5.76 (CURB CUT)	5.55	5.34	5.13	4.96	4.89	4.81	4.74
PROPOSED CURB HEIGHT	9.56"	9.56"	9.56"	9.56"	9.56"	9.56"	9.56"	9.56"	9.56"
PROPOSED X-SLOPE	3.0%		3.0%	3.0%	3.1%	3.2%	3.6%	4.1%	4.5%

3 PROFILE AT BAY STREET (NORTH SIDE)

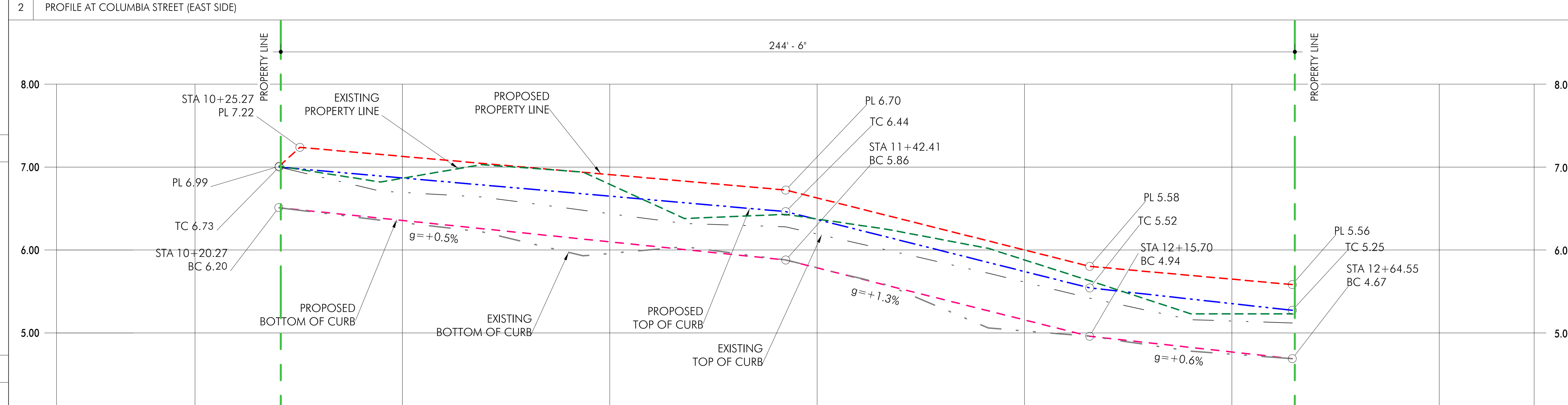


PROFILE LINE LEGEND

- EXISTING TOP OF CURB
- PROPOSED TOP OF CURB
- EXISTING BOTTOM OF CURB
- PROPOSED BOTTOM OF CURB
- EXISTING PROPERTY LINE
- PROPOSED PROPERTY LINE

	10+50	10+75	11+00	11+25	11+50	11+75	12+00
EXISTING PROPERTY LINE	5.51	5.51	5.72	6.35	6.25	6.12	5.76
PROPOSED PROPERTY LINE	5.85	6.11	6.36	6.47	6.29	6.10	5.92
EXISTING TOP OF CURB	5.27	5.51	5.62	5.41	5.63	5.51	5.26
PROPOSED TOP OF CURB	5.40	5.57	5.91	6.02	5.84	5.65	5.47
EXISTING BOTTOM OF CURB	4.77	5.05	5.29	5.29	5.25	5.03	4.81
PROPOSED BOTTOM OF CURB	4.82	5.07	5.33	5.44	5.25	5.07	4.89
PROPOSED CURB HEIGHT	9.56"	9.56"	9.56"	9.56"	9.56"	9.56"	9.56"
PROPOSED X-SLOPE	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%

2 PROFILE AT COLUMBIA STREET (EAST SIDE)



	10+50	10+75	11+00	11+25	11+50	11+75	12+00	12+25	12+50
EXISTING PROPERTY LINE	6.85	6.99	6.77	6.37	6.35	6.15	5.86	5.46	5.21
PROPOSED PROPERTY LINE	7.11	7.00	6.89	6.78	6.61	6.29	5.98	5.73	5.60
EXISTING TOP OF CURB	6.67	6.58	6.43	6.29	6.17	5.89	5.59	5.30	5.12
PROPOSED TOP OF CURB	6.85	6.74	6.63	6.52	6.35	6.03	5.72	5.47	5.32
EXISTING BOTTOM OF CURB	6.31	6.13	5.94	5.97	5.77	5.39	5.00	4.87	4.72
PROPOSED BOTTOM OF CURB	6.34	6.21	6.08	5.95	5.76	5.45	5.14	4.89	4.73
PROPOSED CURB HEIGHT	8.76"	8.96"	9.16"	9.56"	9.56"	9.56"	9.56"	9.56"	9.56"
PROPOSED X-SLOPE	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.2%

1 PROFILE AT SIGOURNEY STREET (SOUTH SIDE)

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BASIS INDEPENDENT SCHOOLS

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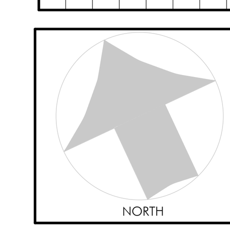
DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
23	11/10/2014	DOB	PAA
14	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	01/17/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE-II
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-I
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
1	11/06/2013	NYC DEPARTMENT OF PARKS AND RECREATION	ISSUED FOR PERMIT



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NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

556 COLUMBIA STREET
BROOKLYN, NY 11231

BUILDERS PAVEMENT PLAN AND DETAILS

SEAL & SIGNATURE

DATE:	07/24/2014
PROJECT NO.:	13-607
DRAWN BY:	BT
CHECKED BY:	SVG
DRAWING NO:	BPP-101.01
CAD FILE NO:	J:\Proj2013\607 BASIS

Figure 9 – Typical Cover Detail for all Cover Types

THE FOLLOWING GUIDELINES SHALL BE OBSERVED WHEN CITING TREE PITS ALONG SIDEWALKS. THESE GUIDELINES GENERALLY FOLLOW REGULATIONS OF OTHER AGENCIES WITH STREET JURISDICTIONS SUCH AS FIRE, DOT, AND MTA. THESE REQUIREMENTS ARE DESIGN AND SPECIES DEPENDENT. THE AMERICANS WITH DISABILITIES ACT (ADA) GUIDELINES MUST BE FOLLOWED.

A. DO NOT PLANT IN FRONT OF BUILDING ENTRANCES IN ORDER TO PERMIT EASY ACCESS BY THE FIRE DEPARTMENT.
B. MINIMUM DISTANCE BETWEE TREES (CENTER TO CENTER) RANGES FROM 20' TO 30', DEPENDING UPON THE TREE SPECIES AND OTHER LOCAL CONDITIONS).
C. MINIMUM DISTANCE FROM A STREETLIGHT IS 25' (VARIES WITH TREE SPECIES).
D. MINIMUM DISTANCE FROM A STOP SIGN IS 30'.
E. MINIMUM DISTANCE FROM OTHER TRAFFIC SIGNS IS 6'.
F. SUGGESTED DISTANCE FROM A PARKING METER IS MORE THAN 5' BEHIND THE METER, TO ALLOW FOR THE SWING OF CAR DOORS.
G. MINIMUM DISTANCE FROM A GAS OR WATER VALVE IS 2' FROM THE EDGE OF THE PIT.
H. MINIMUM DISTANCE FROM AN OIL FILL PIPE IS 4' FROM THE EDGE OF THE PIT.
I. MINIMUM DISTANCE FROM A COAL CHUTE IS 6'. (N/A)
J. MINIMUM DISTANCE FROM A FIRE HYDRANT IS 5' FROM THE EDGE OF THE PIT.
K. MINIMUM DISTANCE FROM A CURB CUT OR DRIVEWAY IS 7'.
L. MINIMUM DISTANCE FROM THE MIDDLE OF A STREET INTERSECTION IS 40'.
M. MINIMUM DISTANCE FROM THE EDGE OF THE PIT TO ANY OPPOSITE OBSTRUCTION (BUILDING WALL, STOOP, RAILING, ETC) IS FROM 4' TO 6', DEPENDING UPON LOCAL CONDITIONS AND THE AMOUNT OF SIDEWALK TRAFFIC.
N. ALL TREE PITS MUST BE CONTIGUOUS TO THE STREET CURB (EXCEPT AS NOTED BELOW, OR WITH THE PERMISSION OF THE AGENCY REPRESENTATIVE).
O. TREES MAY BE PLANTED ON EITHER SIDE OF SIDEWALKS (IF ANY EXIST) IN LAWN AREAS WHERE THERE IS SUFFICIENT ROOM BETWEEN THE PROPERTY LINE AND THE STREET CURB.
P. DO NOT PLANT WITHIN BUS STOPS.

THE LOCATIONS OF ALL TREES SHOWN ON PLANS MAY BE RELOCATED AS REQUIRED BY SITE AND AS DIRECTED BY THE AGENCY REPRESENTATIVE.
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NEW TREES TO BE AS SHOWN ON TREE SCHEDULE ON THIS SHEET. SIZE TO BE A MINIMUM OF 2 1/2" MEASURED A DISTANCE OF SIX (6) INCHES FROM THE FINISHED GRADE AND NO LARGER THAN 3 1/2" IN CALIPER.
ALL NEW TREES TO BE MAINTAINED UNTIL TWO (2) YEARS AFTER FINAL ACCEPTANCE.
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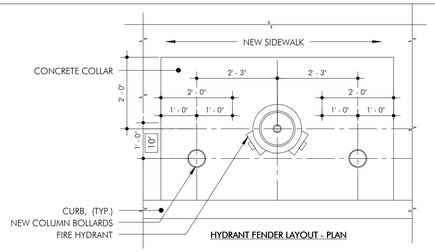
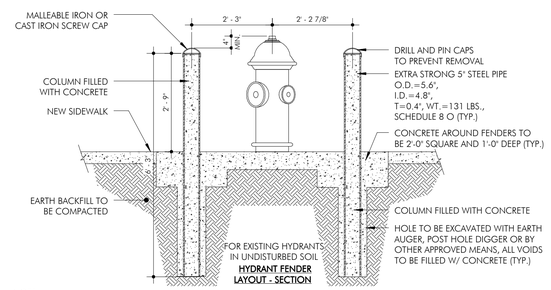
4 GUIDELINES FOR STREET PARKING



HYDRANT FENDER LAYOUT - PLAN



HYDRANT FENDER LAYOUT - SECTION

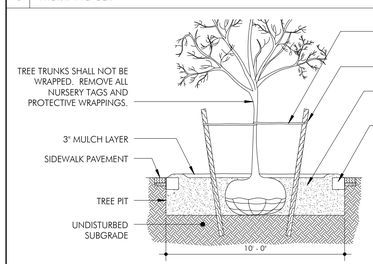
NOTE:
ALL PARTS OF HYDRANT FENDER SHALL BE CLEANED OF SCALE, RUST AND DIRT AND BE COATED ON THE OUTSIDE WITH ONE COAT OF BLACK ASPHALT PAINT BELOW THE GROUND AND ONE COAT OF ALUMINUM PAINT ABOVE THE GROUND.

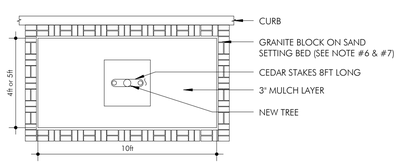
DIMENSIONS SHOWN THUS ____ ARE TYPICAL DIMENSIONS

DIMENSIONS MARKED WITH AN * ARE MINIMUM DIMENSIONS.

CONCRETE COLLARS SHALL BE SQUARED AND MADE FLUSH WITH NEW SIDEWALK PAVEMENT AND CURB

3 HYDRANT FENDER





NOTE:

1. ALL MATERIALS AND CONSTRUCTION METHODS USED ARE TO CONFORM TO SECTION #4.16 OF THE STANDARD HIGHWAY SPECIFICATIONS, LATEST EDITION.

2. PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL OBTAIN THE NECESSARY PERMIT FROM THE DEPARTMENT OF PARKS AND RECREATIONS FOR THE REMOVAL AND PLANTING OF TREES.

3. TREE PITS SHOULD BE LOCATED TWO FEET MINIMUM FROM GAS, OIL OR WATER BOXES.

4. TREE STAKES ARE TO BE REMOVED BY THE TREE SUBCONTRACTOR NOT LESS THAN ONE YEAR AFTER PLANTING OF SAID TREES AND PRIOR TO THE FINAL ACCEPTANCE OF THE WORK.

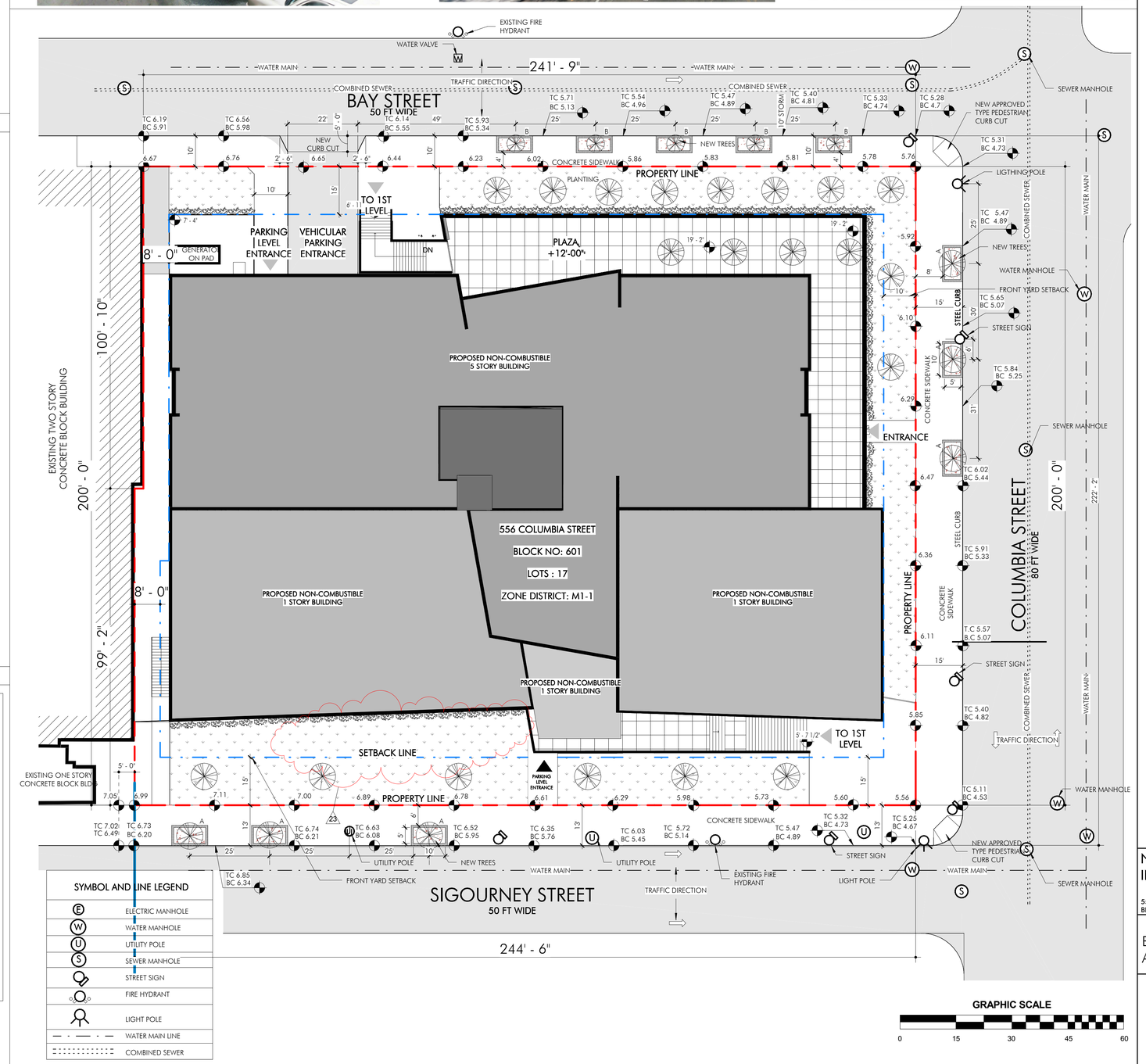
5. USE OF SIDEWALK PAVEMNT MATERIALS OTHER THAN GRANITE BLOCK MUST BE SPECIFICALLY APPROVED, IN WRITING, BY ENGINEER.

6. GRANITE BLOCK IN TREE PIT SHALL BE PAID FOR UNDER ITEM NO 6.06 AB OR 6.06 BB, AS APPLICABLE.

7. WHERE CONCRETE PAVERS ARE SPECIFIED FOR USE IN. TREE PITS THEY SHALL BE PAID FOR UNDER ITEM NO. 6.47 TP.

8. 28 NUMBER OF TREES REQUIRED. EXACT LOCATION TO BE DETERMINED BY DEPT. OF PARKS AND RECREATION.

2 STREET TREE PLANTING DETAIL - AS PER DOT STD. H1046



SYMBOL AND LINE LEGEND

E	ELECTRIC MANHOLE
W	WATER MANHOLE
U	UTILITY POLE
S	SEWER MANHOLE
	STREET SIGN
	FIRE HYDRANT
	LIGHT POLE
— · — · —	WATER MAIN LINE
	COMBINED SEWER

GRAPHIC SCALE
0 15 30 45 60

1 BPP SITE PLAN

SCALE 1"=15'-0"

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phone 520.577.4560 www.cca-az.com

ALL THE PROJECT FLOOR ELEVATIONS HAVE BEEN REVISED TO REFLECT N.A.V.D. 1988 STANDARD.(1.46' ABOVE BROOKLYN TOPOGRAPHICAL BUREAU.)

DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
23	11/10/2014	DOB	PAA
14	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	02/27/2014	CLIENT AND CONTRACTOR	ADD. ALTERNATES
6	12/20/2013	CLIENT AND CONTRACTOR	ADD. ALTERNATE II
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
1	11/06/2013	NYC DEPARTMENT OF PARKS AND RECREATION	ISSUED FOR PERMIT

NORTH

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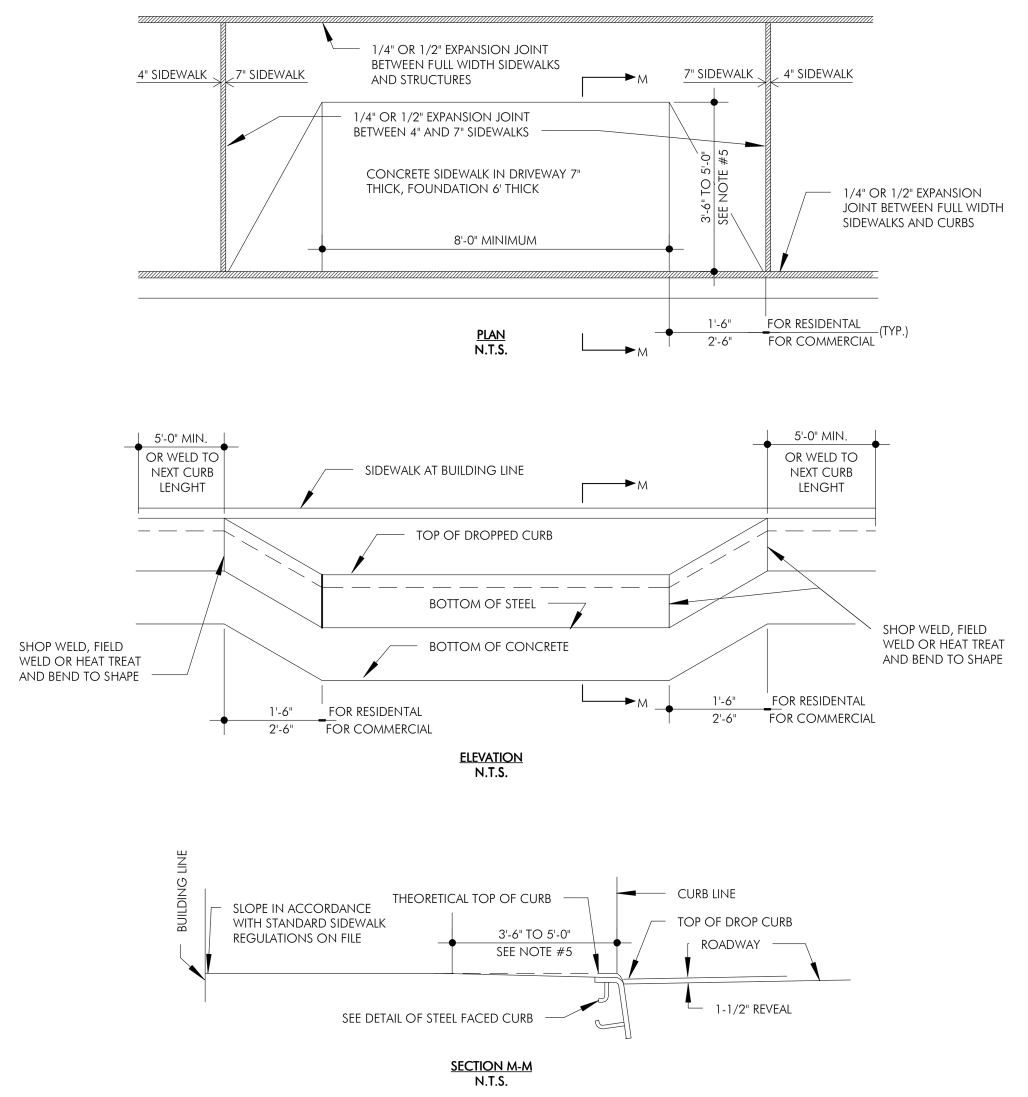
NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

556 COLUMBIA STREET
BROOKLYN, NY 11231

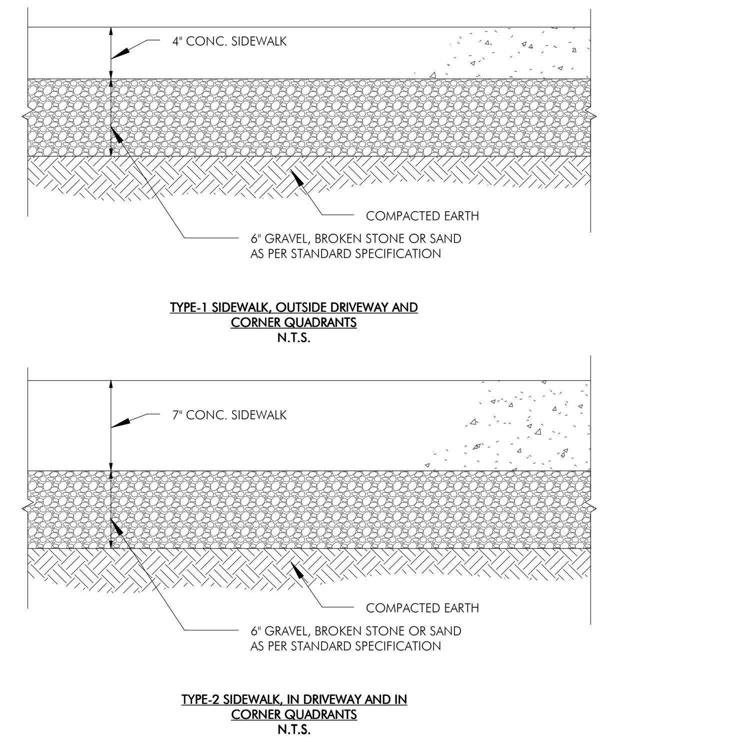
BUILDERS PAVEMENT PLAN AND DETAILS

SEAL & SIGNATURE

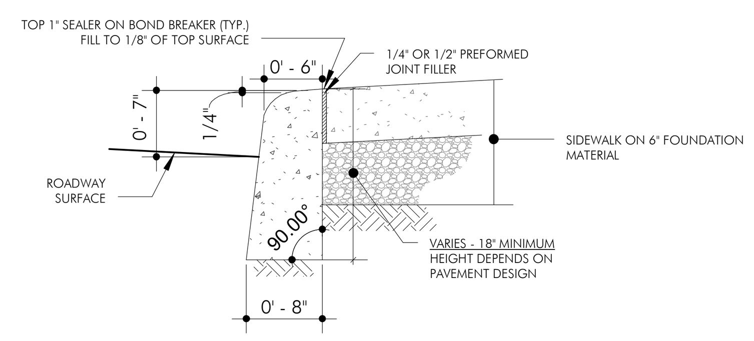
DATE:	07/24/2014
PROJECT NO.:	13-607
DRAWN BY:	BT
CHECKED BY:	SVG
DRAWING NO:	BPP-100.01
CAD FILE NO:	J:\Proj2013\607 BASIS



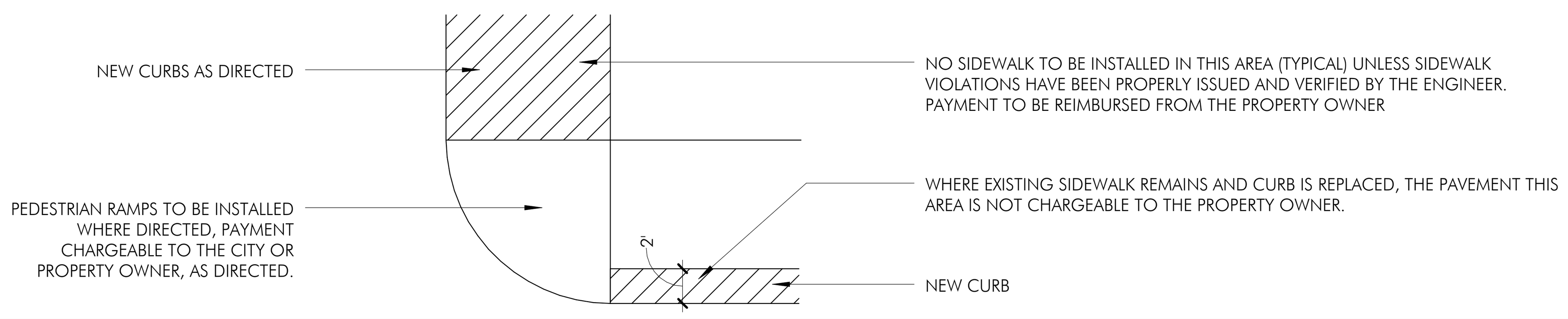
8 STEEL FACED DROP CURB DRIVEWAYS AS PER H-1015



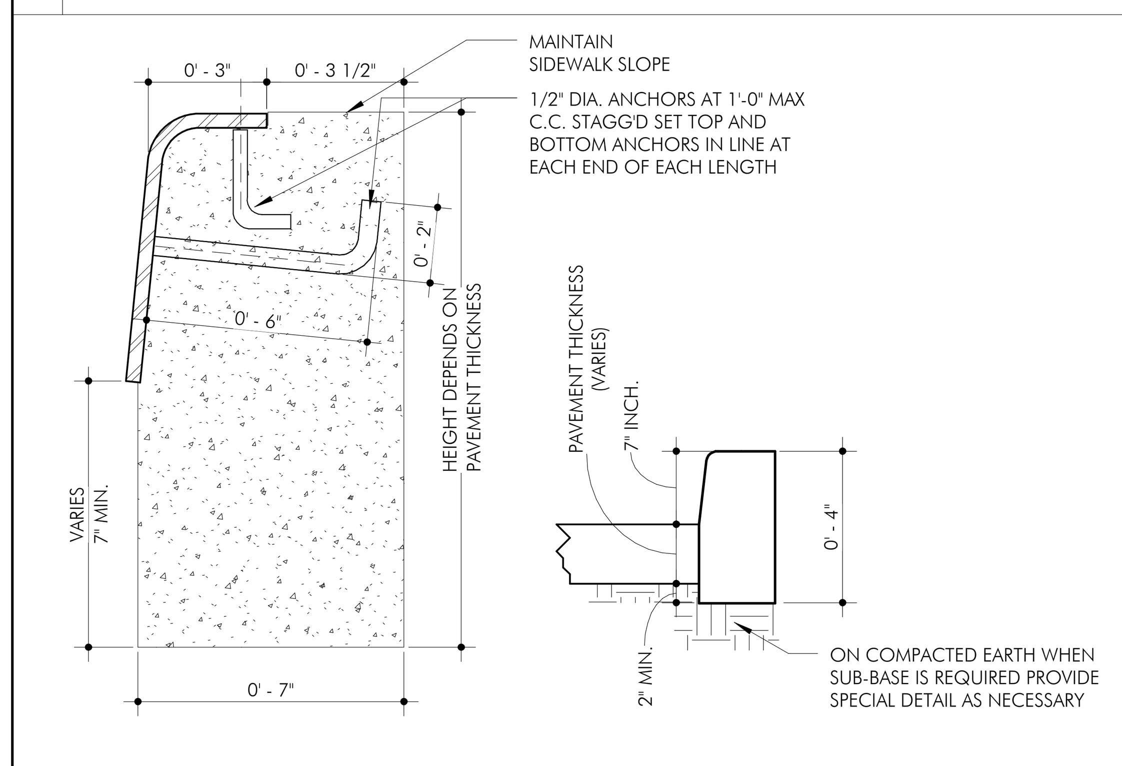
10 CONCRETE SIDEWALK A S PER H-1045



9 CONCRETE CURB AS PER H-1044



7 SIDEWALK PAVEMENT LIMITS - AS PER H1045



NOTES:

1. EXPANSION JOINTS IN THE STEEL CURB FACING AND CONCRETE BACKING SHAIL BE AT A MAXIMUM SPACING OF 24 FEET.

2. THE EXPANSION JOINTS OF THE CURB AND STEEL CURB FACING SHALL LINE UP WITH THE EXPANSION JOINTS OF THE CONCRETE SIDEWALKS. WHEREVER POSSIBLE.

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" DIA. x 6" HEADED ANCHOR STUDS (GRANULAR OR SOLID FLUX FILLED) MAY BE SUBSTITUTED.

5. STRUCTURAL STEEL (A.S.T.M. DESIGNATION A35),

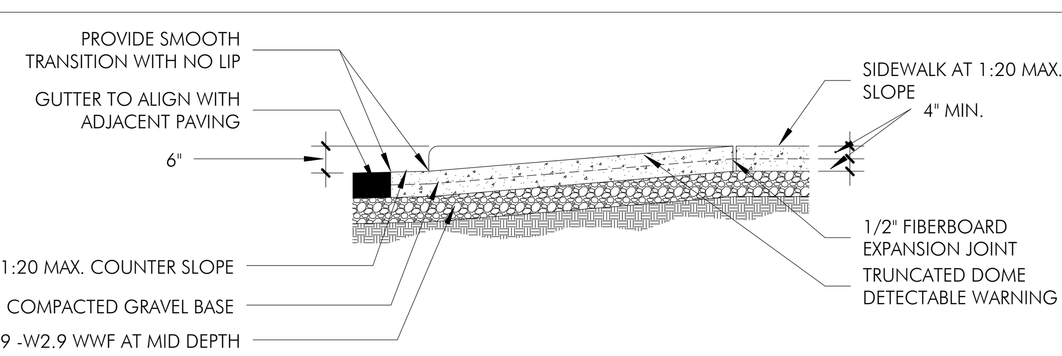
6. SURFACE TO BE CLEANED AND PAINTED AS PER NVCDOT STANDARO HIGHWAY SPECIFICATIONS, SECTION 2.13. COLOR OF TOP COAT SHALL BE GRAY AS APPROVED BY THE ENGINEER.

7. WHERE TWO (2) PIECES OF STEEL CURB FACING ARE JOINED BUT NOT WELDED, TWO (2) ONE HAIF (1/2) INCH RODS. TWENTY FOUR (24) INCHES LONG SHALL BE INSERTED INTO THE CONCRETE BACKING, ONE-HAIF (1/2) THE LENGTH AT 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.

6 STEEL FACED CONCRETE CURB STEEL FACING TYPE D / AS PER DOT . STD. H-1010

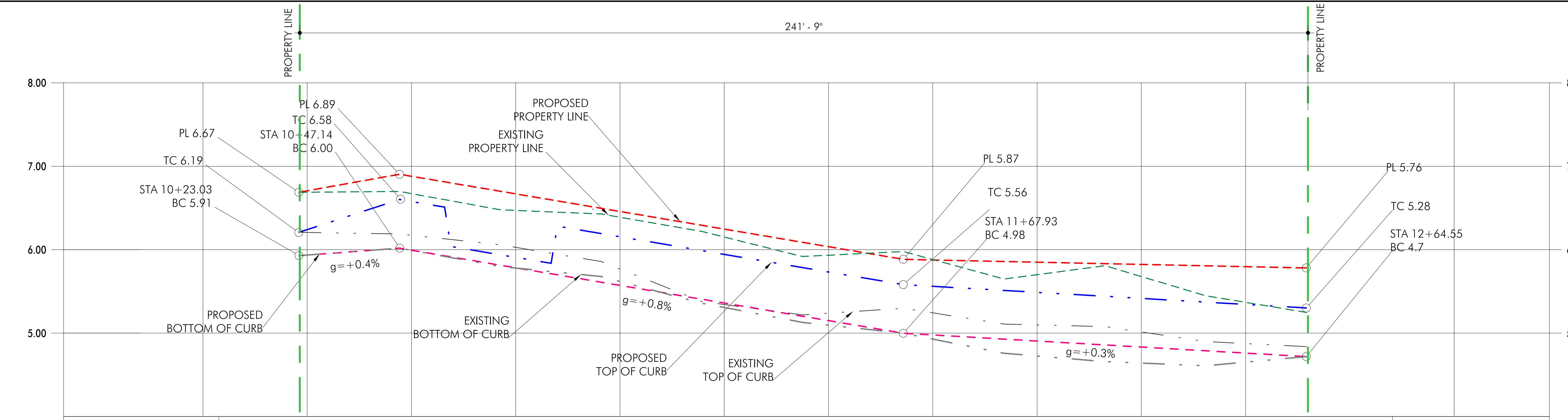


5 CURB RAMP SECTION

SYMBOL	COMMON NAME	SCIENTIFIC NAME	SPREAD	TREE TYPE	GROWTH RATE	SUN EXPOSURE	SOIL TYPE
A	PURPLELEAF PLUM	PRUNUS CERASIFERA	15'-25'	SMALL SHADE	MEDIUM	FULL SUN	SOME SAND TO SOME CLAY. PH RANGE: 4.5 TO 7.5 WATER RANGE: NORMAL TO MOIST
B	CHINESE ELM	UMUS PARVIFOLIA	35'	SHADY	MEDIUM	PARTIAL SHADE TO FULL SUN	SHADY, LOAMY OR CLAY. PH RANGE:p 4.0 TO 7.0

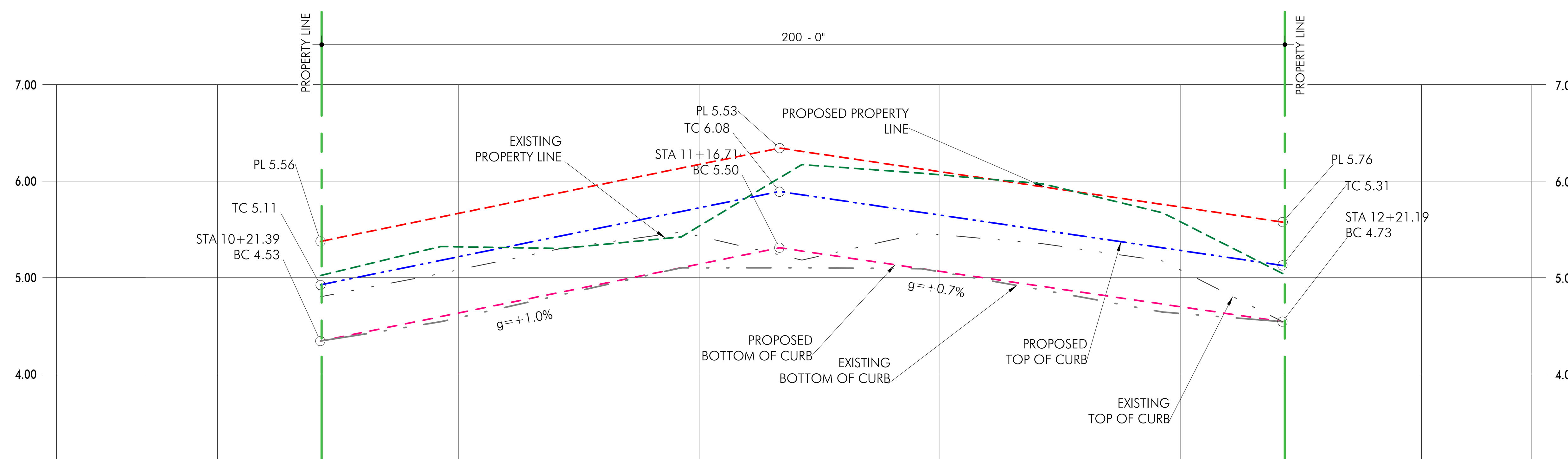
TOTAL NUMBERS OF TREES REQUIRED BY NOC DOB	27
EXISTING TREES TO BE PRESERVED	0
EXISTING TREES TO BE REMOVED	0
NEW STREET TREES TO BE PLANTED AT THE LOCATION (ON-SITE)	11
NEW TREES TO BE PLANTED AT AN ALTERNATE LOCATION (OFF-SITE)	16
PROPOSED TREES WHERE PAYMENT WILL BE MADE TO PARKS FOR PLANTING	0
OFF-SITE TREES SATISFIED WITH FUND PAYMENTS UNDER PREVIOUS APPLICATION	0

4 TREE TYPES & NUMBER OF TREES REQUIREMENT /PROPOSED



	10+50	10+75	11+00	11+25	11+50	11+75	12+00	12+25	12+50
EXISTING PROPERTY LINE	6.65	6.45	6.37	6.13	5.92	5.86	5.68	5.66	5.43
PROPOSED PROPERTY LINE	6.76	6.65	6.44	6.23	6.02	5.86	5.83	5.81	5.78
EXISTING TOP OF CURB	6.15	6.01	5.75	5.32	5.22	5.22	5.08	4.99	4.86
PROPOSED TOP OF CURB	6.56	5.89 (CURB CUT)	6.14	5.93	5.71	5.54	5.47	5.40	5.33
EXISTING BOTTOM OF CURB	5.97	5.76	5.60	5.29	5.08	4.91	4.71	4.62	4.63
PROPOSED BOTTOM OF CURB	5.98	5.76 (CURB CUT)	5.55	5.34	5.13	4.96	4.89	4.81	4.74
PROPOSED CURB HEIGHT	9.56"	9.56"	9.56"	9.56"	9.56"	9.56"	9.56"	9.56"	9.56"
PROPOSED X-SLOPE	3.0%		3.0%	3.0%	3.1%	3.2%	3.6%	4.1%	4.5%

3 PROFILE AT BAY STREET (NORTH SIDE)

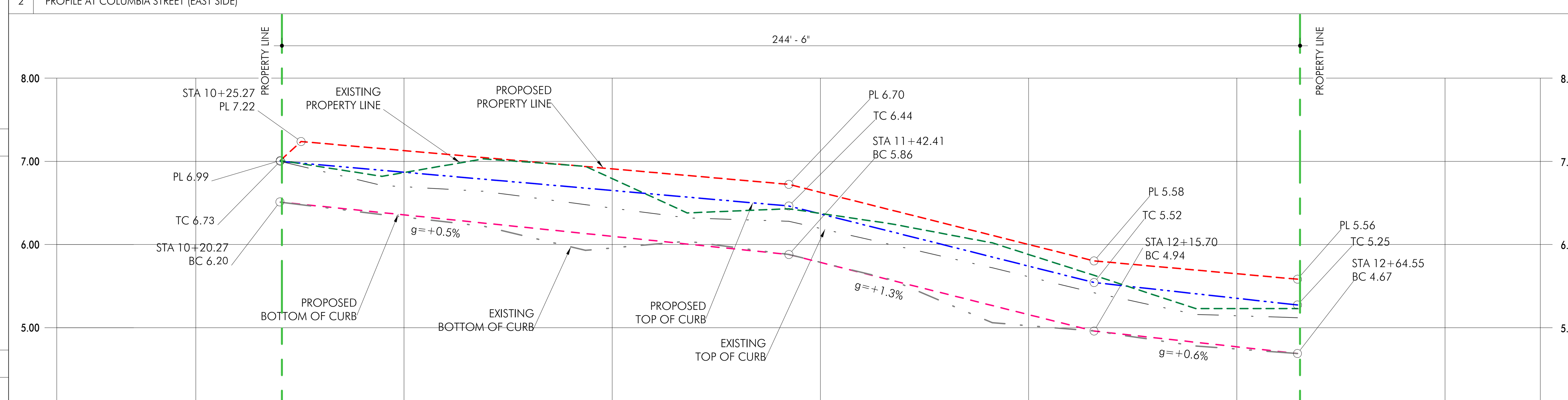


PROFILE LINE LEGEND

- EXISTING TOP OF CURB
- PROPOSED TOP OF CURB
- EXISTING BOTTOM OF CURB
- PROPOSED BOTTOM OF CURB
- EXISTING PROPERTY LINE
- PROPOSED PROPERTY LINE

	10+50	10+75	11+00	11+25	11+50	11+75	12+00
EXISTING PROPERTY LINE	5.51	5.51	5.72	6.35	6.25	6.12	5.76
PROPOSED PROPERTY LINE	5.85	6.11	6.36	6.47	6.29	6.10	5.92
EXISTING TOP OF CURB	5.27	5.51	5.62	5.41	5.63	5.51	5.26
PROPOSED TOP OF CURB	5.40	5.57	5.91	6.02	5.84	5.65	5.47
EXISTING BOTTOM OF CURB	4.77	5.05	5.29	5.29	5.25	5.03	4.81
PROPOSED BOTTOM OF CURB	4.82	5.07	5.33	5.44	5.25	5.07	4.89
PROPOSED CURB HEIGHT	9.56"	9.56"	9.56"	9.56"	9.56"	9.56"	9.56"
PROPOSED X-SLOPE	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%

2 PROFILE AT COLUMBIA STREET (EAST SIDE)



	10+50	10+75	11+00	11+25	11+50	11+75	12+00	12+25	12+50
EXISTING PROPERTY LINE	6.85	6.99	6.77	6.37	6.35	6.15	5.86	5.46	5.21
PROPOSED PROPERTY LINE	7.11	7.00	6.89	6.78	6.61	6.29	5.98	5.73	5.60
EXISTING TOP OF CURB	6.67	6.58	6.43	6.29	6.17	5.89	5.59	5.30	5.12
PROPOSED TOP OF CURB	6.85	6.74	6.63	6.52	6.35	6.03	5.72	5.47	5.32
EXISTING BOTTOM OF CURB	6.31	6.13	5.94	5.97	5.77	5.39	5.00	4.87	4.72
PROPOSED BOTTOM OF CURB	6.34	6.21	6.08	5.95	5.76	5.45	5.14	4.89	4.73
PROPOSED CURB HEIGHT	8.76"	8.96"	9.16"	9.56"	9.56"	9.56"	9.56"	9.56"	9.56"
PROPOSED X-SLOPE	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.2%

1 PROFILE AT SIGOURNEY STREET (SOUTH SIDE)

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BASIS INDEPENDENT SCHOOLS

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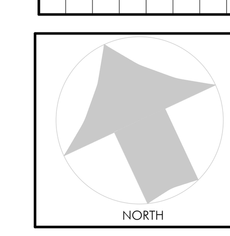
phone 520.577.4560 www.cca-az.com

ALL THE PROJECT FLOOR ELEVATIONS HAVE BEEN REVISED TO REFLECT N.A.V.D. 1988 STANDARD.(1.46' ABOVE BROOKLYN TOPOGRAPHICAL BUREAU.)

DOB BSCAN

ISS/REV	DATE	ISSUED TO	DESCRIPTION
23	11/10/2014	DOB	PAA
14	05/22/2014	DEPARTMENT OF BUILDING	ISSUED FOR PERMIT
8	03/07/2014	CLIENT AND CONTRACTOR	CONSTRUCTION
7	01/17/2014	CLIENT AND CONTRACTOR	ADD ALTERNATE-II
6	12/27/2013	CLIENT AND CONTRACTOR	ADD ALTERNATE-I
5	12/13/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
4	11/18/2013	CLIENT AND CONTRACTOR	ISSUED FOR BIDDING
1	11/06/2013	NYC DEPARTMENT OF PARKS AND RECREATION	ISSUED FOR PERMIT



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NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS

556 COLUMBIA STREET
BROOKLYN, NY 11231

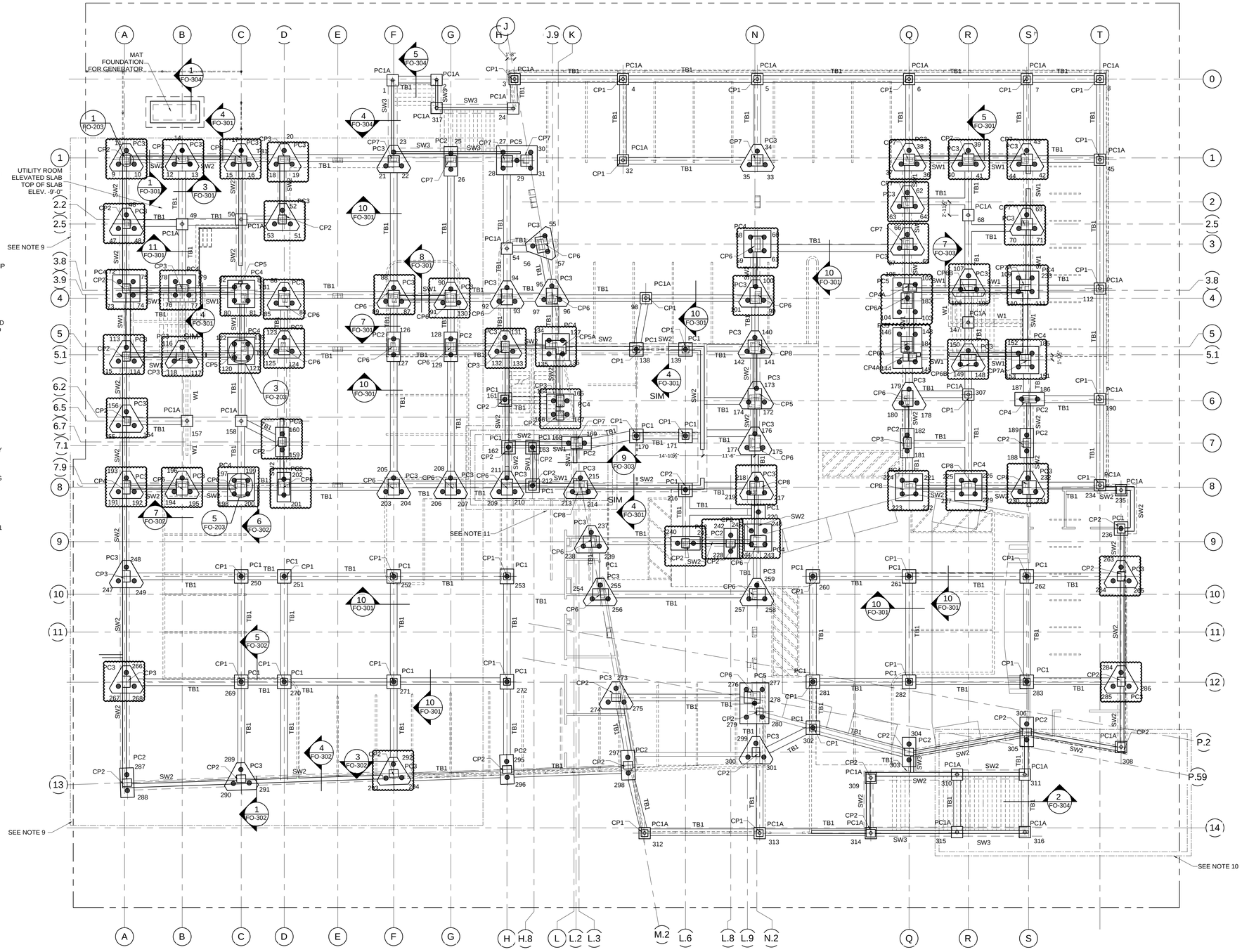
BUILDERS PAVEMENT PLAN AND DETAILS

SEAL & SIGNATURE

DATE:	07/24/2014
PROJECT NO.:	13-607
DRAWN BY:	BT
CHECKED BY:	SVG
DRAWING NO:	BPP-101.01
CAD FILE NO:	J:\Proj2013\607 BASIS

"MINI-PILE" SPECIFICATIONS:

1. ALL PILES SHALL BE DRIVEN CLOSE-END CONCRETE -FILLED STEEL PIPE PILE DRIVEN TO BEDROCK OR DRIVEN CAISSON PILES SOCKETED INTO BEDROCK AS SPECIFIED IN BC SECTION 1808.
2. CONCRETE FILLED STEEL PIPE PILE SHALL COMPLY WITH THE REQUIREMENTS OF BC SECTION 1810.6.
3. STEEL PIPE SECTION SHOULD CONFIRM TO ASTM A36, ASTM A252 OR ASTM A283. PIPE SHALL HAVE NOMINAL OUTSIDE DIMENSIONS OF NOT LESS THAN 12.75 INCHES. MINIMUM WALL THICKNESS 0.375 INCHES.
4. CONCRETE MIX SHALL BE DESIGNED TO PROVIDE 28-DAY SPECIFIED COMPRESSIVE STRENGTH OF NOT LESS THAN 4000 PSI. MIX SHALL BE PROPORTIONED SO AS TO PRODUCE A SLUMP OF NOTELESS THICKNESS 4 INCHES. THE MAXIMUM COARSE AGGREGATE SIZE SHALL BE MAXIMUM $\frac{3}{4}$". CONCRETE PLACEMENT SHALL CONFORM TO BC SECTION 1810.3. NO PLACEMENT CONCRETE THROUGH WATER IS ALLOWED.
5. THE PILES SHALL BE INSTALLED TO A MINIMUM DEPTH OF 110-140 FEET BELOW THE EXISTING GRADE TO BE ABLE TO BE SUPPORTED BY BEDROCK AS SPECIFIED IN THE REPORT ISSUED BY GEO TECH CONSULTANTS LLC GTC JOB No: CYPD213 DATED 09-09-13.
6. # 11 CENTRAL REINFORCING ROD SHALL BE INSTALLED INTO THE PIPE BEFORE CONCRETE PLACEMENT. PROVISIONS SHALL BE MADE TO KEEP CONCRETE COVER AS MINIMUM 2 $\frac{1}{2}$".
7. EACH PILE SHALL BE INSTALLED TO SUSTAIN A DESIGN UNFACTORED LOAD OF MINIMUM 100 TON, USING FACTOR OF SAFETY 2.0.
8. DUE TO THE FACT THAT THE PILES WILL BE DRIVEN INTO BEDROCK LOAD TEST IS NOT REQUIRED N ACCORDANCE WITH THE REQUIREMENTS OF BC SECTION 1808.2.8.3. VIDEO INSPECTION IS REQUIRED FOR MINIMUM 25% OF PILES SOCKETED INTO BEDROCK AS MINIMUM 10 FT.
9. ALL PILE INSTALLATION OPERATIONS SHALL BE SUPERVISED BY A LICENSED ENGINEER. THE INSPECTOR SHALL KEEP A COMPLETE RECORD OF THE PILE INSTALLATION OPERATION.
10. IF UNDERGROUND OBSTRUCTIONS ARE ENCOUNTERED DURING INSTALLATION, THE CONTRACTOR SHALL HAVE THE OPTION OF REMOVING THE OBSTRUCTION IF POSSIBLE OR RELOCATING THE PILE WITH THE ENGINEER'S APPROVAL. THE LATTER OPTION MAY REQUIRE THE RELOCATION OF ADJACENT PILES AND OR ADDITIONAL PILES.
11. THE PILE SHALL BE CONNECTED TO THE STRUCTURE USING #11 DOWEL INSTALLED INTO THE PILE CAP UTILIZING FULL DEVELOPMENT LENGTH.
12. WRITTEN INSTALLATION RECORDS SHALL BE OBTAINED FOR EACH INSTALLED PILE. THESE RECORDS SHALL INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:
    a) PROJECT NAME AND/OR LOCATION.
    b) NAME OF CONTRACTOR'S FOREMAN OR REPRESENTATIVE WHO WITNESSED THE INSTALLATION.
    c) DATE AND TIME OF INSTALLATION.
    d) LOCATION AND REFERENCE NUMBER OF EACH PILE.
    e) DESCRIPTION OF LEAD SECTION AND EXTENSIONS INSTALLED.
    f) OVERALL DEPTH OF INSTALLATIONS REFERENCED FROM BOTTOM OF GRADE BEAM OR FOOTING.
    g) LOAD TEST DATE
    h) ANY OTHER RELEVANT INFORMATION RELATING TO THE INSTALLATION.



NOTE:

1. ALL DIMENSIONS AND ELEVATIONS SHALL BE COORDINATED WITH ARCHITECTURAL DRAWINGS.
2. PC - DENOTES PILE CAP TYPE. SEE SCHEDULE FOR SIZES AND REINFORCEMENT.
3. CP - DENOTES CONCRETE PIER TYPE. SEE SCHEDULE FOR SIZES AND REINFORCEMENT.
4. TB - DENOTES TIE BEAM. SEE SCHEDULE FOR SIZES AND REINFORCEMENT.
5. SW - DENOTES CONCRETE SHEAR WALL TYPE. SEE SCHEDULE FOR SIZES AND REINFORCEMENT.
6. DENOTES DRIVEN CLOSE-END CONCRETE - FILLED STEEL PIPE PILE DRIVEN TO BEDROCK OR DRIVEN CAISSON PILES SOCKET INTO BEDROCK WITH A DESIGN UNFACTORED LOAD OF 200 KIPS (100 TON). TOTAL QUANTITY OF PILES ARE 283.
7. DENOTES DRIVEN CLOSE-END CONCRETE - FILLED STEEL PIPE PILE WITH DESIGN UN-FACTORED LOAD OF 80 KIPS (40 TON). TOTAL QUANTITY OF PILES ARE 33.
9. DENOTES FOR ALL OUTLINED PILE CAPS TOP OF PILE CAP ELEVATION -13'-0" RELATIVE TO FIRST FLOOR FINISH ELEVATION 0'-0".
10. DENOTES FOR ALL OUTLINED PILE CAPS TOP OF PILE CAP ELEVATION -15'-0" RELATIVE TO FIRST FLOOR FINISH ELEVATION 0'-0".
11. FOR INDICATED PILE CAPS SEE SECTION 9/FO-303 FOR PILE CAP ELEVATIONS.
12. FOR ALL PILE CAPS NOT INCLUDED IN NOTES 8,9 AND 10 TOP OF PILE CAP ELEVATION -14'-0".
13. DENOTES PILE CAPS WITH PILES DESIGNED FOR UN-FACTORED TENSION LOAD OF 30 TON.

1 FO-101 FOUNDATION AND PILING PLAN
SCALE: $\frac{1}{8}$"=1'-0"

B.G.M.ENGINEERING, LLC
CONSULTING ENGINEERS
2123 45TH ROAD, LONG ISLAND CITY, NY 11101
52 ASCOLESE ROAD, TRUMBULL, CT 06611
TEL: 203.452.9408 FAX: 203.452.9105
E-MAIL: bgmconsult@charter.net

DOB BSCAN

ISS/REV	DATE	DESCRIPTION
7	05-21-14	NYC DOB
6	02-07-14	FOR CONSTRUCTION
5	12-26-13	BIDDING
4	12-21-13	PILE COST ESTIMATE
3	12-12-13	REVISION
2	11-17-13	COST ESTIMATE
1	10-14-13	PERMIT
		ISSUED TO
		PERMIT
		CLIENT AND CONTRACTOR
		CLIENT AND CONTRACTOR
		GC/OWNER
		GC/OWNER
		GC/OWNER
		NYC DOB

PARTNERS FOR ARCHITECTURE
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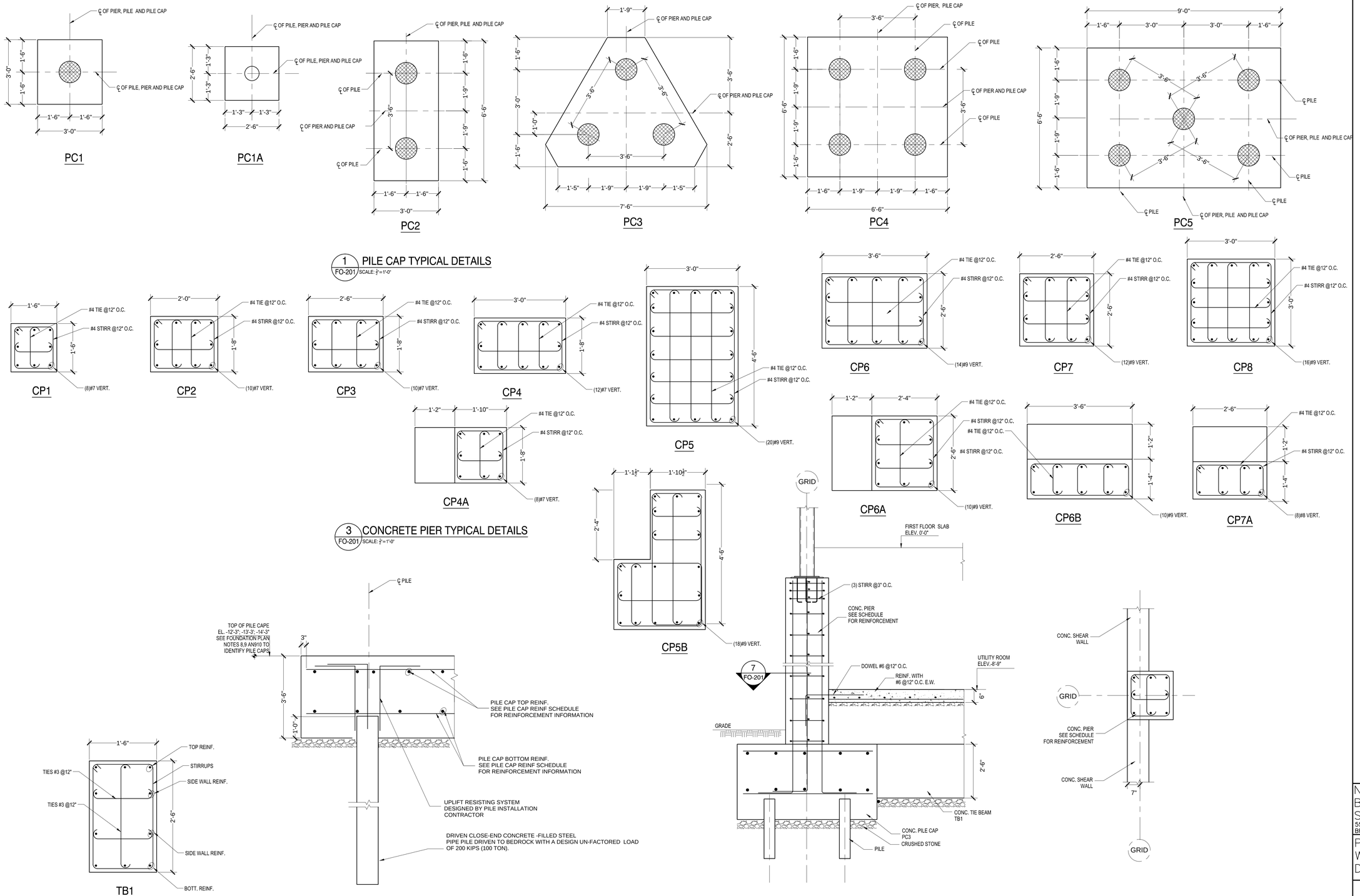
NEW SCHOOL FOR:
BASIS INDEPENDENT SCHOOLS
556 COLUMBIA STREET
BROOKLYN, NY 11231

FOUNDATION AND PILING PLAN

SEAL & SIGNATURE	DATE: 09/26/2013
	PROJECT NO:13-607
	DRAWN BY: BT
	CHECKED BYRS
	DRAWING NO: FO-101.00
	DWG NO: 85 of 272
	CADD FILE NO: 13-125



1 FO-201 PILE CAP TYPICAL DETAILS
SCALE: 3/8"=1'-0"

3 FO-201 CONCRETE PIER TYPICAL DETAILS
SCALE: 3/8"=1'-0"

4 FO-201 CONCRETE TIE BEAM TYPICAL DETAILS
SCALE: 3/8"=1'-0"

5 FO-201 TYPICAL PILE CAP INSTALLATION DETAIL FOR 100 TON CONCRETE FILLED STEEL PIPE PILE
SCALE: 3/8"=1'-0"

6 FO-201 TYPICAL CONCRETE REINFORCEMENT INSTALLATION DETAIL
SCALE: 3/8"=1'-0"

7 FO-201 TYPICAL SECTION
SCALE: 3/8"=1'-0"

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TEL: 203.452.9408 FAX: 203.452.9105
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PILE CAPS, SHEAR WALLS AND PIERS DETAILS

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CONCRETE PILE CAP SCHEDULE

PILE CAP TYPE	SIZE	BOTTOM REINF.		TOP REINF.		COMMENTS
		PARALLEL TO LENGTH	PARALLEL TO WIDTH	PARALLEL TO LENGTH	PARALLEL TO WIDTH	
PC1	SEE TYPICAL DETAIL	4 #9	4 #9	4 #8	4 #8	
PC1A	SEE TYPICAL DETAIL	4 #9	4 #9	4 #8	4 #8	
PC2	SEE TYPICAL DETAIL	4 #9	8 #9	4 #8	8 #8	
PC3	SEE TYPICAL DETAIL	8 #9	8 #9	8 #8	8 #8	
PC4	SEE TYPICAL DETAIL	8 #9	8 #9	8 #8	8 #8	
PC5	SEE TYPICAL DETAIL	10 #9	10 #9	10 #8	10 #8	

CONCRETE SPREAD FOOTING SCHEDULE

PILE CAP TYPE	WIDTH	DEPTH	BOTTOM REINF.		TOP REINF.		COMMENTS
			PARALLEL TO LENGTH	PARALLEL TO WIDTH	PARALLEL TO LENGTH	PARALLEL TO WIDTH	
CF1	2'-0"	1'-0"	(3 #5 CONT	#5 @12"	N/A	N/A	

CONCRETE PIER SCHEDULE

PIER TYPE	SIZE	REINFORCEMENT			COMMENTS
		VERTICAL	HORIZONTAL	TIES	
CP1	18"x18"	(8) #7	STIRR #4 @12"	#4 @12" STAGGERED	(4) STIRR AT TOP @3"
CP2	20"x24"	(10) #7	STIRR #4 @12"	#4 @12" STAGGERED	(4) STIRR AT TOP @3"
CP3	18"x30"	(10) #7	STIRR #4 @12"	#4 @12" STAGGERED	(4) STIRR AT TOP @3"
CP4	18"x36"	(12) #7	STIRR #4 @12"	#4 @12" STAGGERED	(4) STIRR AT TOP @3"
CP5	36"x54"	(20) #9	STIRR #4 @12"	#4 @12" STAGGERED	(4) STIRR AT TOP @3"
CP5A	SEE 3/FO-201	(18) #9	STIRR #4 @12"	#4 @12" STAGGERED	(4) STIRR AT TOP @3"
CP6	30"x42"	(14) #9	STIRR #4 @12"	#4 @12" STAGGERED	(4) STIRR AT TOP @3"
CP7	30"x30"	(12) #9	STIRR #4 @12"	#4 @12" STAGGERED	(4) STIRR AT TOP @3"
CP8	36"x36"	(16) #9	STIRR #4 @12"	#4 @12" STAGGERED	(4) STIRR AT TOP @3"

CONCRETE SHEAR WALL SCHEDULE

WALL TYPE	THICKNESS	WALL SECTION		TOP AND BOTT PLACED (2) TWO IN ROW		COMMENTS
		VERTICAL	HORIZONTAL	HORIZONTAL		
SW1	12"	#6 @12"	#6 @12"	(2) #6		(2) LAYERS BOTH FACES
SW2	10"	#6 @12"	#6 @12"	(2) #6		(1) LAYER MID SECTION
SW3	8"	#5 @12"	#5 @12"	(2) #5		(1) LAYER MID SECTION

CONCRETE TIE BEAM SCHEDULE

TIE BEAM TYPE	WIDTH	DEPTH	LONG REINFORCEMENT	STIRRUPS	COMMENTS
TB1	18"	30"	(3) #7 TOP & BOTT; (2) #6 @SIDE WALL	#3 @12" O.C.	

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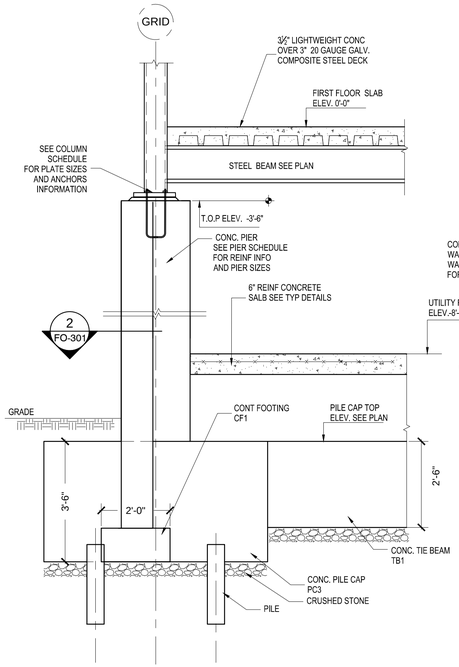
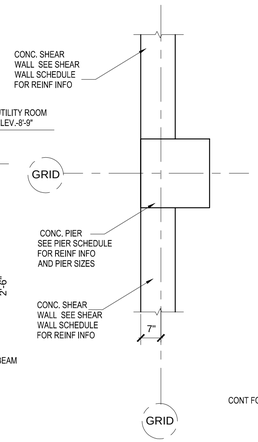


1 TYPICAL SECTION
FO-301 SCALE: 3/4"=1'-0"



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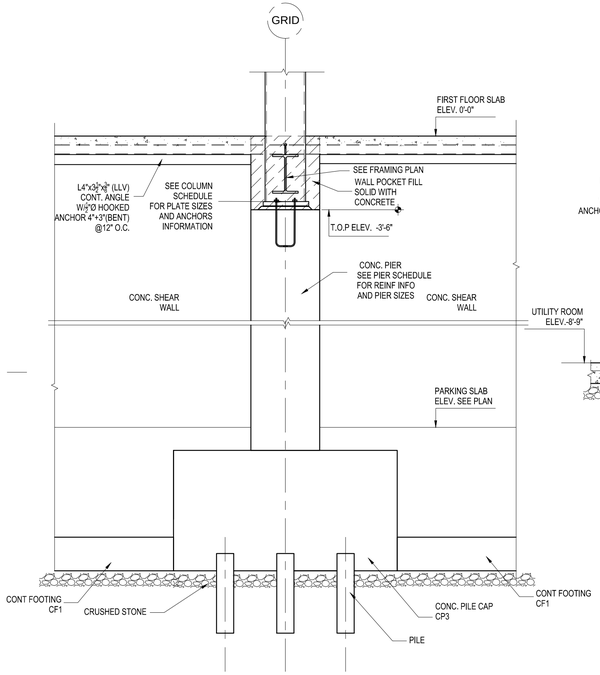

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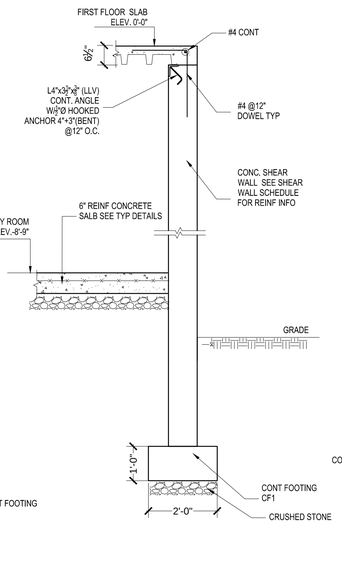

4 TYPICAL SECTION
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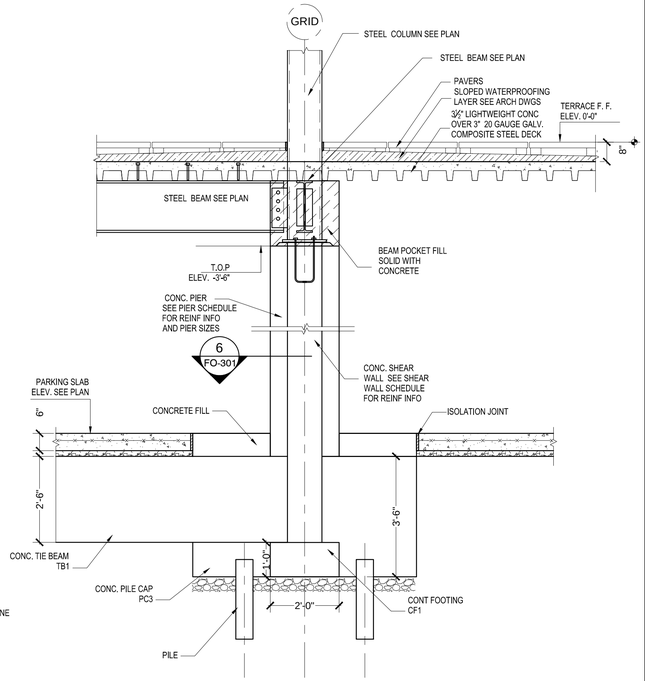

5 TYPICAL SECTION
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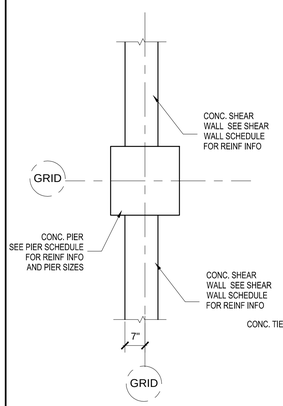

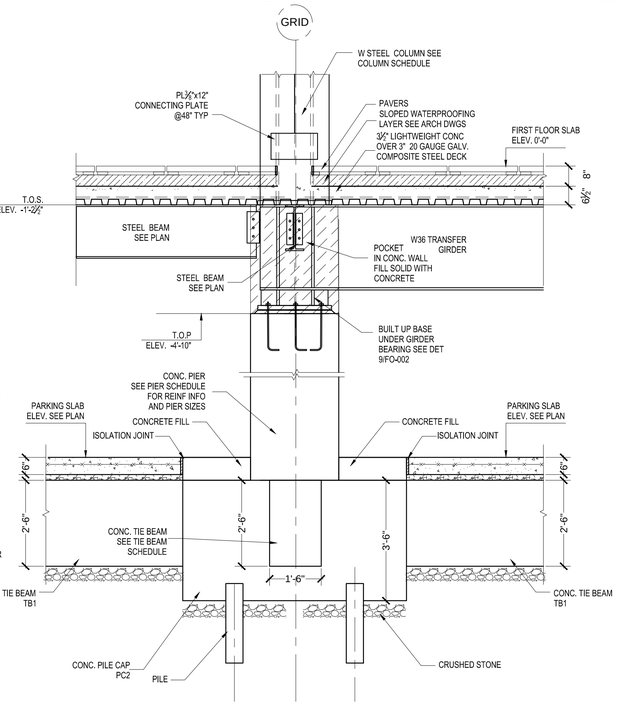

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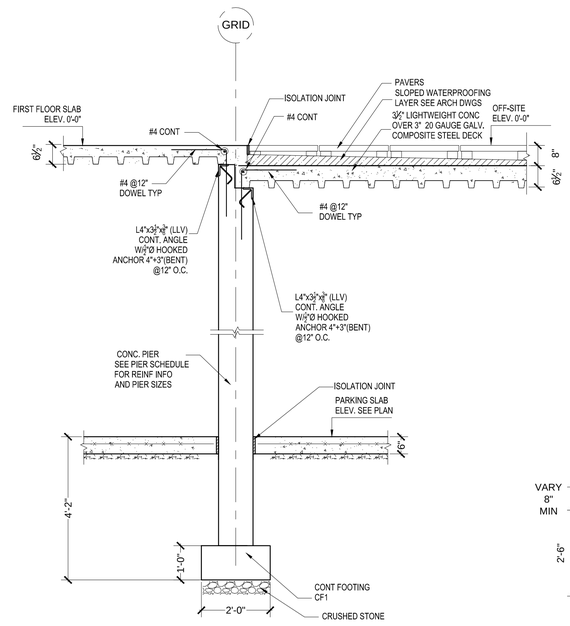
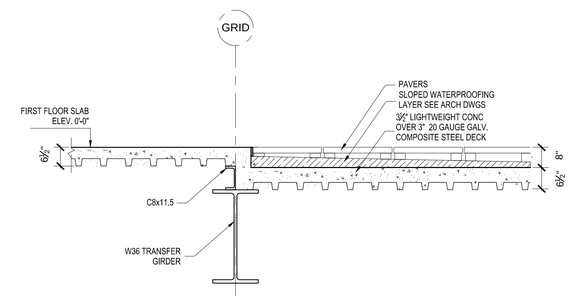
7 TYPICAL SECTION
FO-301 SCALE: 3/4"=1'-0"



8 TYPICAL SECTION
FO-301 SCALE: 3/4"=1'-0"



9 TYPICAL SECTIONS
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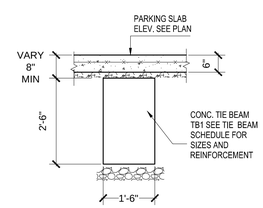

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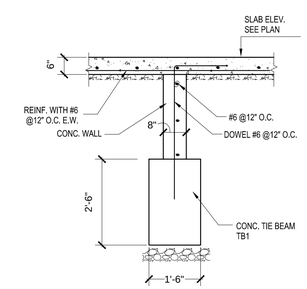

11 TYPICAL SECTIONS
FO-301 SCALE: 3/4"=1'-0"

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FOUNDATION SECTIONS AND DETAILS

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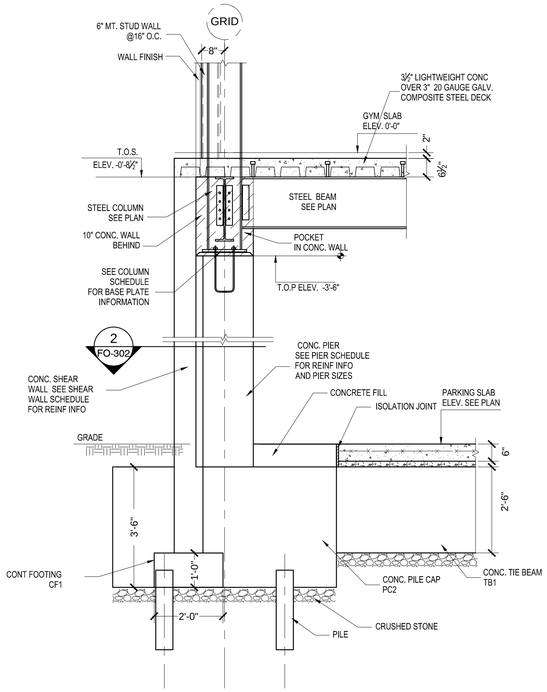

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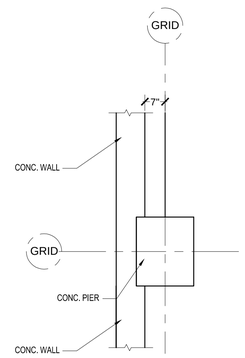

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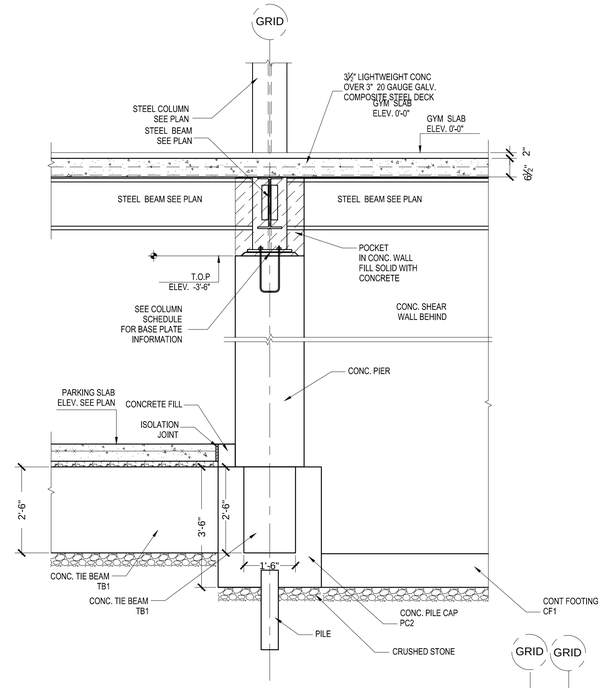

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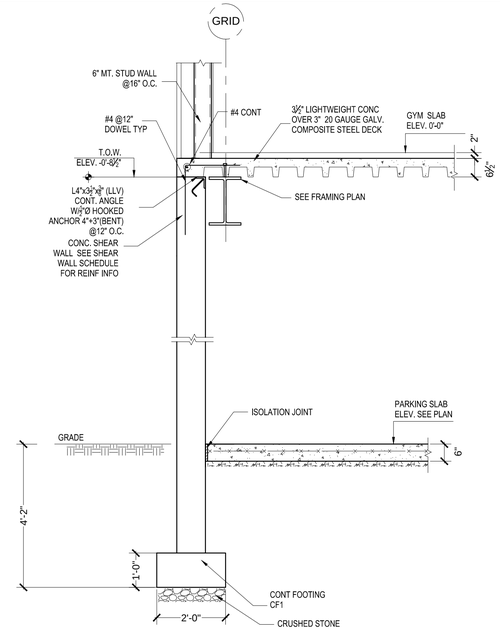

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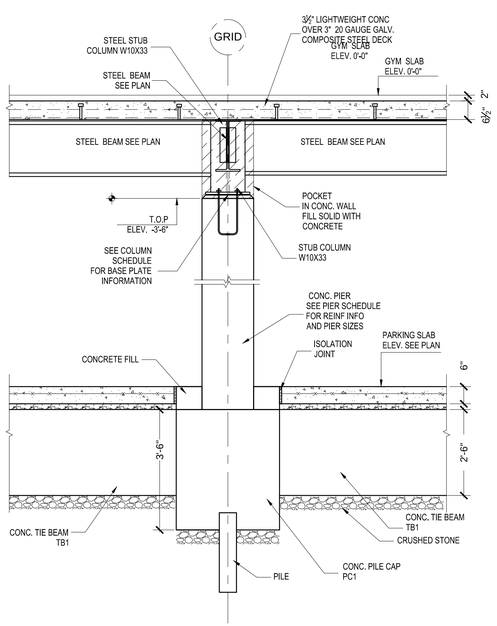

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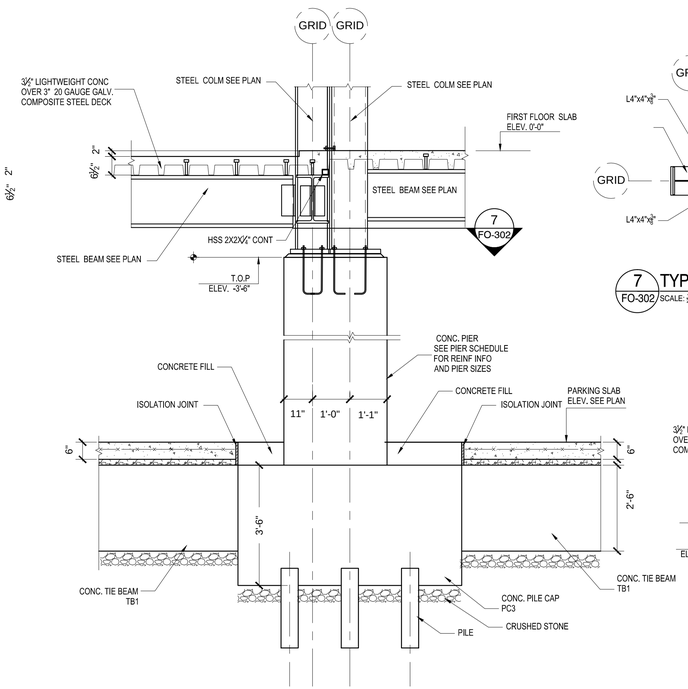
FO-302 SCALE: $\frac{1}{2}$" = 1'-0"



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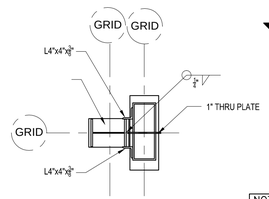

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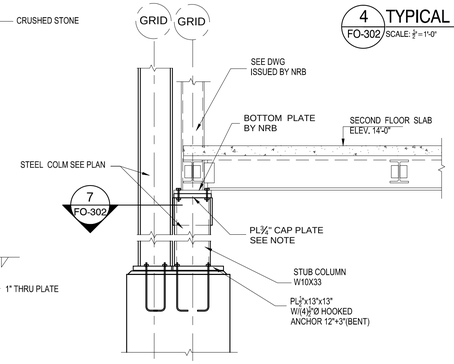
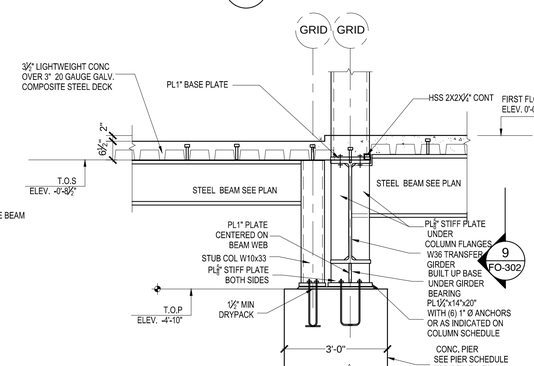
FO-302 SCALE: $\frac{1}{2}$" = 1'-0"

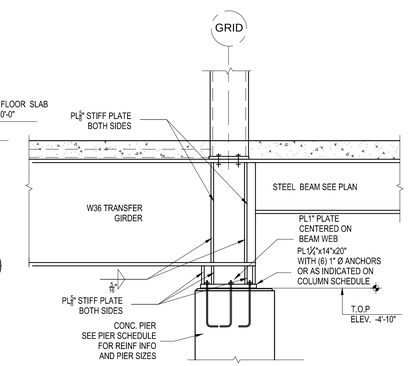


NOTE:
1. ALIGN ℄ OF COLUMN WITH NRB COLUMN ABOVE.
2. CAP PLATE SIZE LAYOUT AND FASTENER'S HOLE LAYOUT MUST BE COORDINATED WITH APPROVED NRB COLUMN BASE PLATES SHOP DRAWINGS. PROVIDE 1 1/16"ø HOLES FOR ADJUSTMENT.
3. SEE PLAN FOR NRB STRUCTURE INSTALLATION LIMITATIONS ON S-102.

9 TYPICAL CONNECTION DETAIL
FO-302 SCALE: $\frac{1}{2}$" = 1'-0"



8 TYPICAL SECTION
FO-302 SCALE: $\frac{1}{2}$" = 1'-0"



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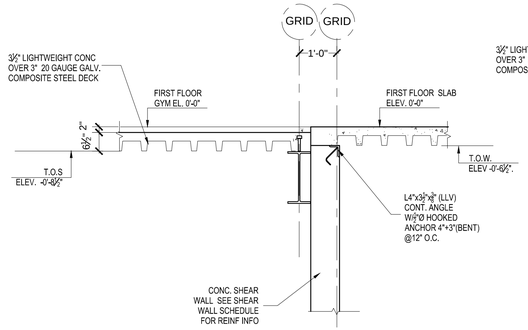

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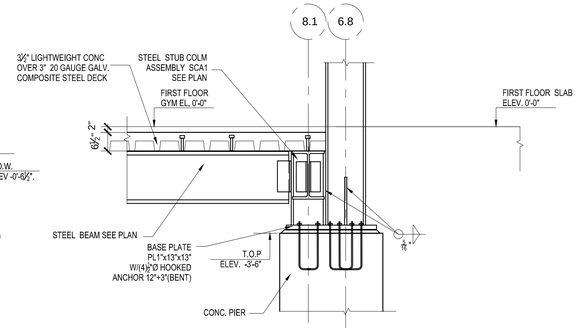

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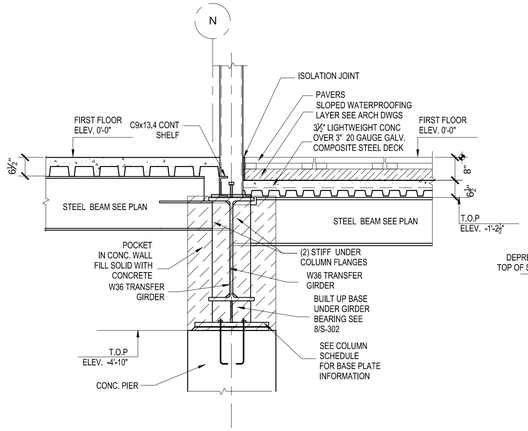

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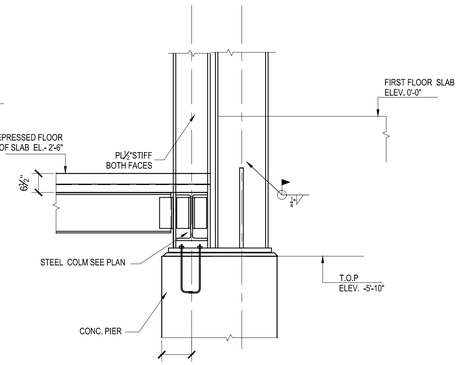

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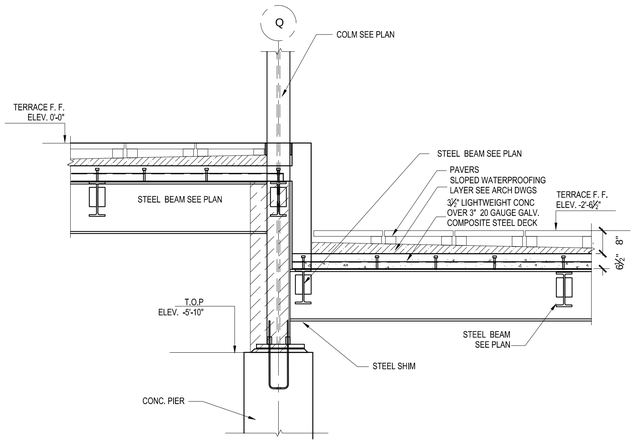

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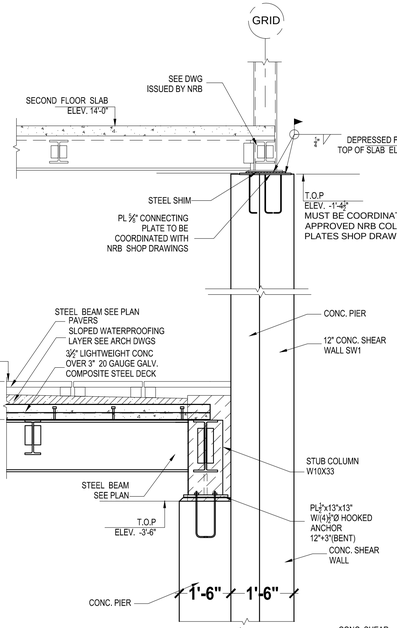

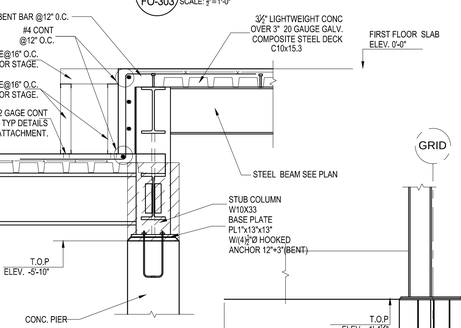

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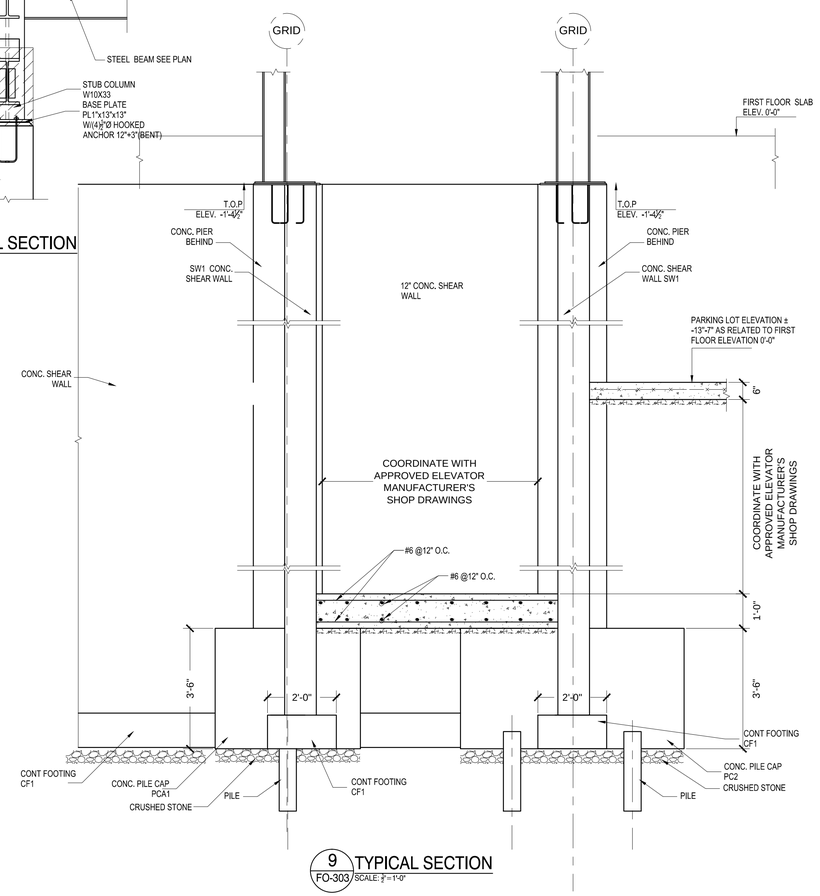

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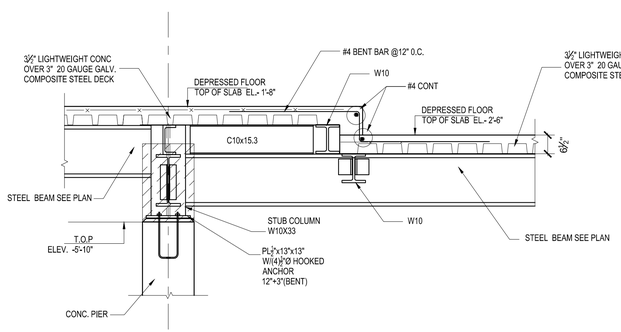

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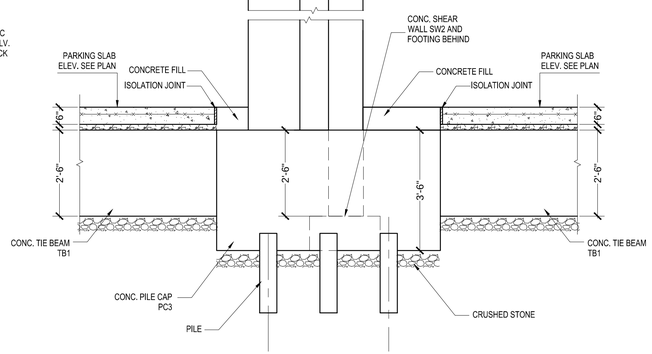

7 FO-303 TYPICAL SECTION
SCALE: ¾"=1'-0"

B.G.M.ENGINEERING, LLC
CONSULTING ENGINEERS
2123 45TH ROAD, LONG ISLAND CITY, NY 11101
52 ASCOLESE ROAD, TRUMBULL, CT 06611
TEL: 203.452.9408 FAX: 203.452.9105
E-MAIL: bgmconsult@charter.net

DOB BSCAN

ISS./REV	DATE	DESCRIPTION
6	05-21-14	PERMIT
5	02-07-14	CLIENT AND CONTRACTOR
4	12-26-13	CLIENT AND CONTRACTOR
3	12-12-13	GC/OWNER
2	11-18-13	GC/OWNER
1	10-18-13	NYC DOB
		NYC DOB
		FOR CONSTRUCTION
		BIDDING
		REVISION
		COST ESTIMATE
		PROGRESS
		ISSUED TO

PARTNER'S FOR ARCHITECTURE
48 UNION STREET,
STAMFORD, CT. 06906
P 203/708.0047
F 203/348.4165
WWW.PFARCH.NET

NORTH

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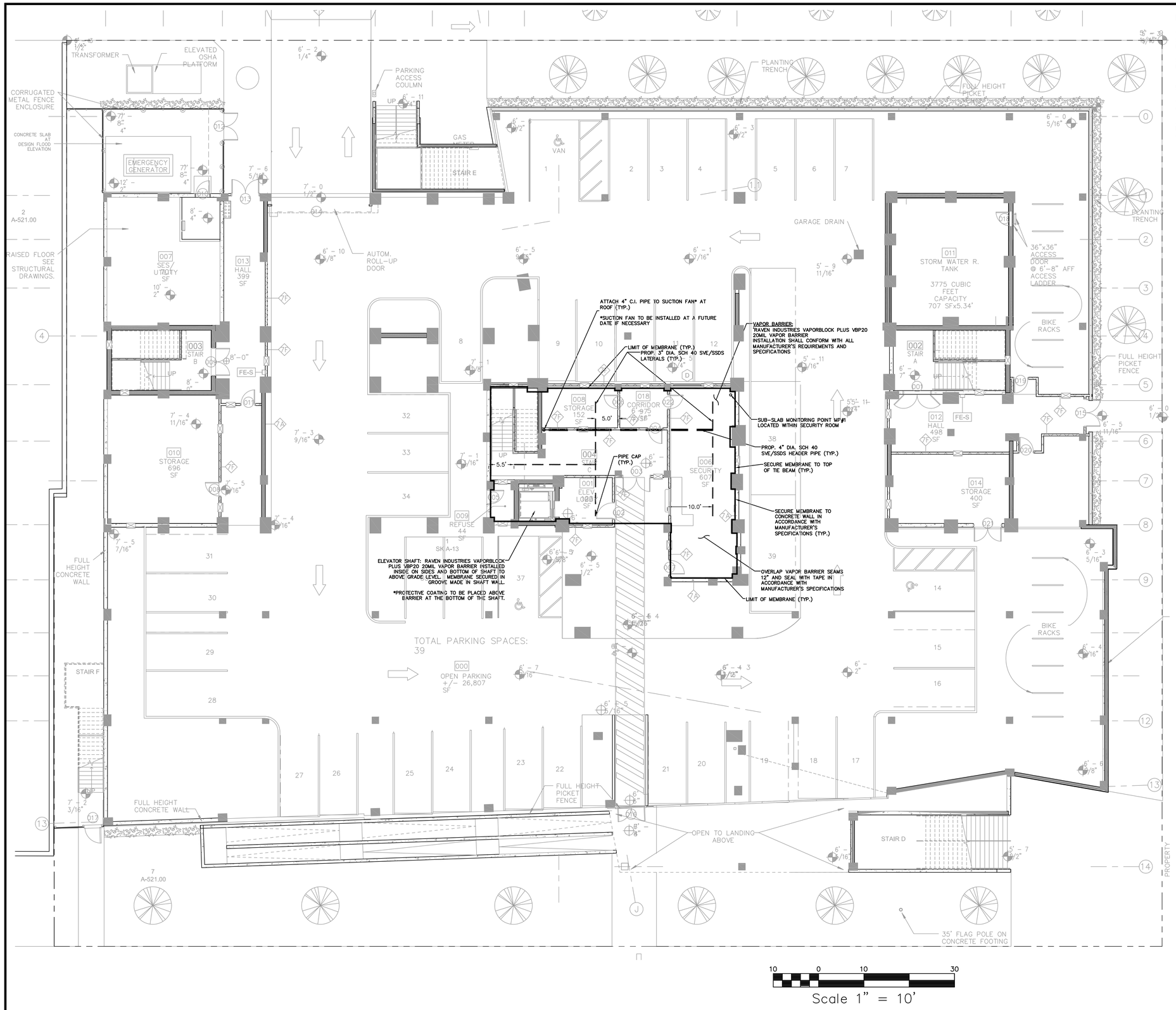
NEW SCHOOL FOR:
BASIS INDEPENDENT SCHOOLS
556 COLUMBIA STREET
BROOKLYN, NY 11231

FOUNDATION SECTIONS AND DETAILS

SEAL & SIGNATURE

DATE: 09/26/2013
PROJECT NO:13-607
DRAWN BY: BT
CHECKED BYRS
DRAWING NO:
FO-303.00
DWG NO: 90 of 272
CADD FILE NO:
13-125

Figure 10 – Vapor Barrier & Sub Slab Depressurization System
As Built



REFERENCES:

1. PLANS ENTITLED "NEW SCHOOL FOR: BASIS INDEPENDENT SCHOOLS, 556 COLUMBIA STREET, BROOKLYN NEW YORK", PREPARED BY PARTNERS FOR ARCHITECTURE, DATED FEBRUARY 7, 2014.

2. PLANS ENTITLED "SOIL VAPOR EXTRACTION PLAN", PREPARED BY ENGINEERING & LAND PLANNING ASSOCIATED INC., LAST REVISED AUGUST 6, 2014.

GENERAL NOTES:

1. SOIL VAPOR EXTRACTION SYSTEM TO BE OPERATED IN ACCORDANCE WITH AN APPROVED OPERATIONS AND MAINTENANCE PLAN.

2. SYSTEM TO BE MONITORED FOR CONFORMANCE WITH THE REQUIREMENTS SET FORTH BY NYSDOH "GUIDENCE FOR EVALUATING SOIL VAPOR INTRUSION IN THE STATE OF NEW YORK" AND ALL OTHER APPLICABLE REGULATIONS.

Engineering & Land Planning Associates, Inc.
140 WEST MAIN STREET
HIGH BRIDGE, NJ 08829
PH. 908-238-0544
FAX. 908-238-9572
A PROFESSIONAL ASSOCIATION
CERTIFICATE OF AUTHORIZATION NO.0010100

CHRISTOPHER NUSSER
PROFESSIONAL ENGINEER
N.Y. P.E. NO. 091861-1

1/13/15
DATE

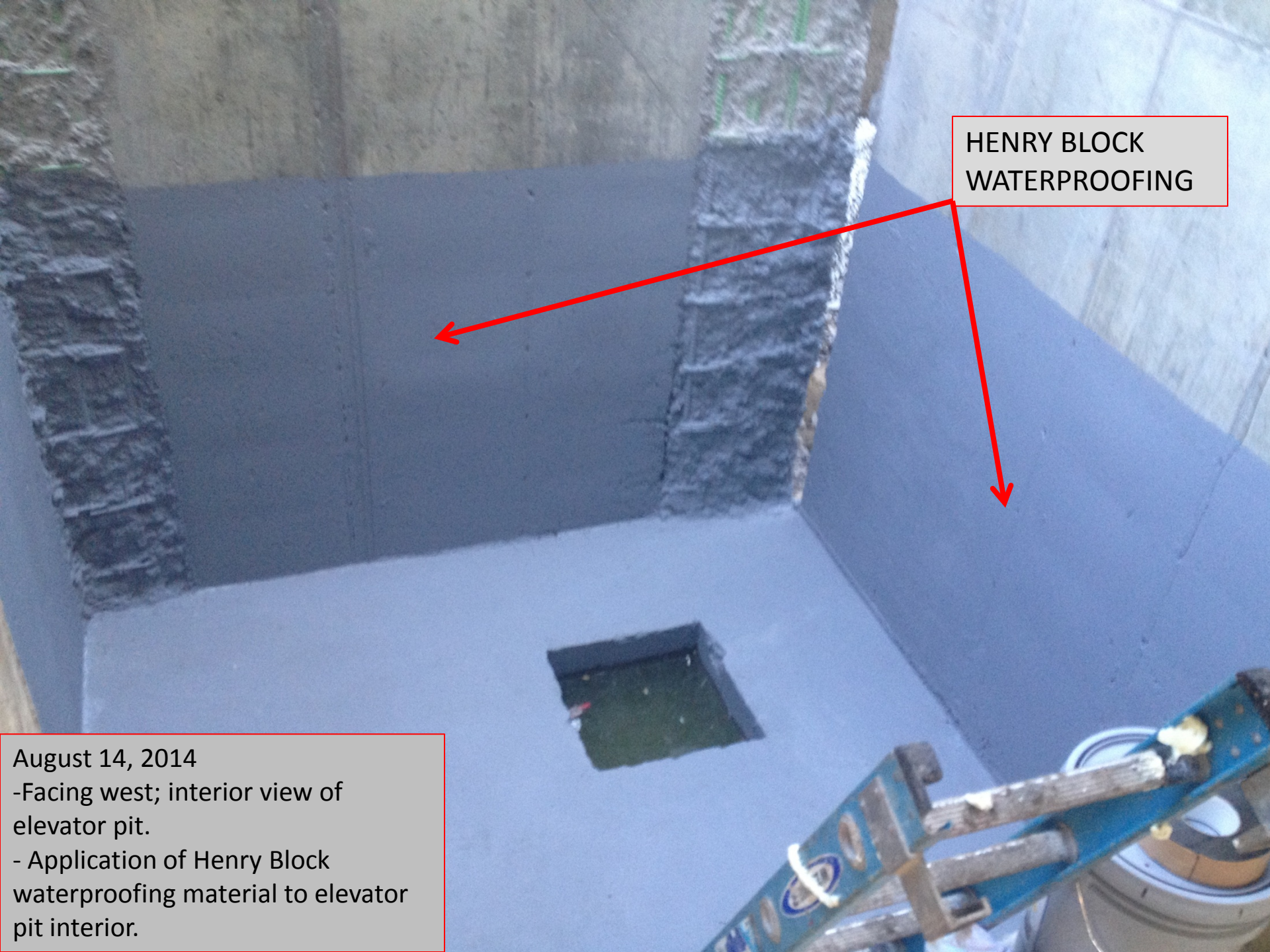
NO.	REVISION	BY	DATE

PROJECT:
BASIS INDEPENDENT SCHOOLS
556 COLUMBIA STREET
BROOKLYN, NEW YORK 11231

TITLE:
SOIL VAPOR EXTRACTION ASBUILT PLAN

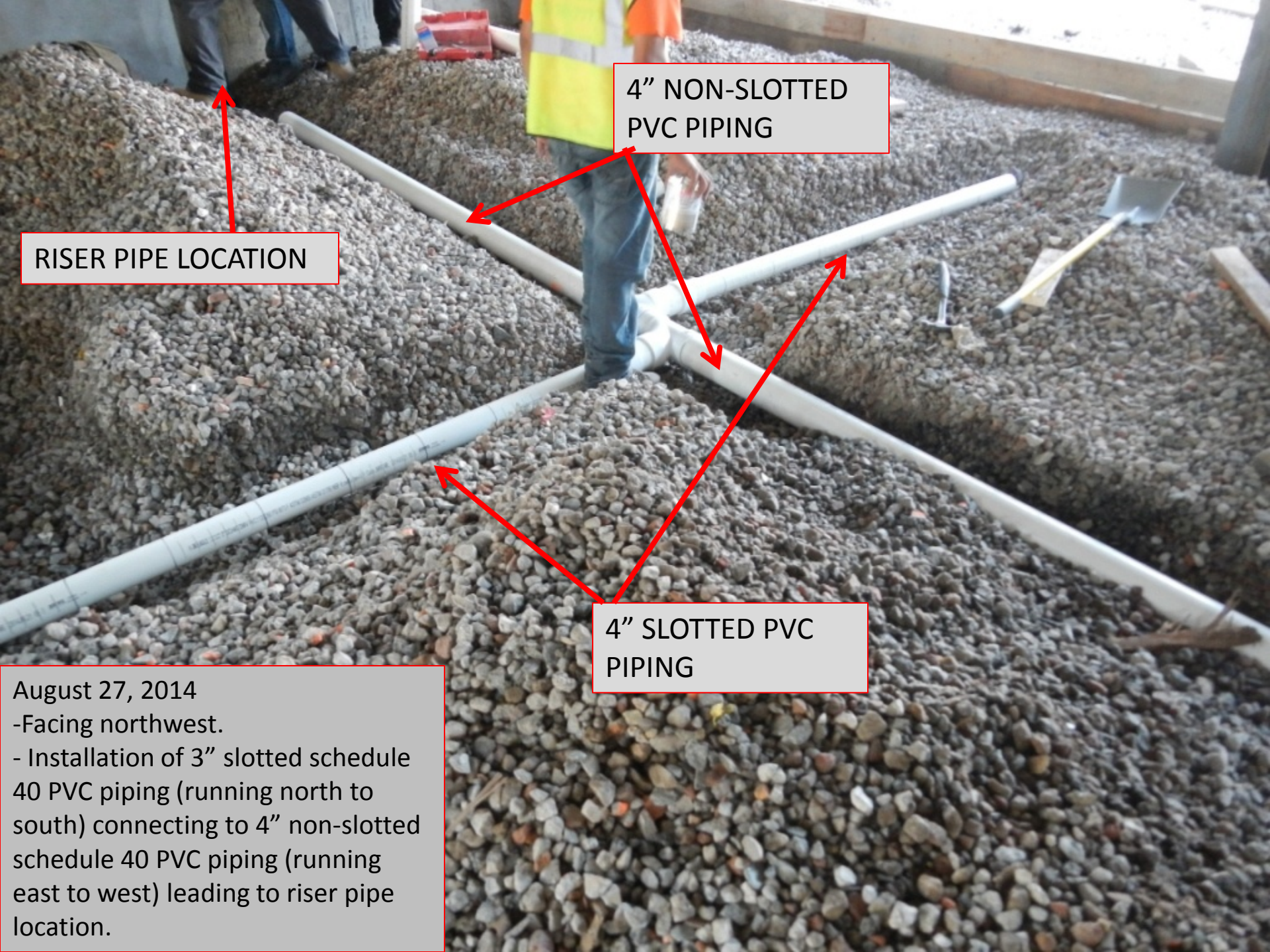
JOB NO.:	14208C
SCALE:	1"=10'
DESIGNED:	CRN
CHECKED:	CRN
FILENAME:	SSDS AB PLAN.DWG
DATE:	1/13/15

DRAWING NO.: 1 / 1

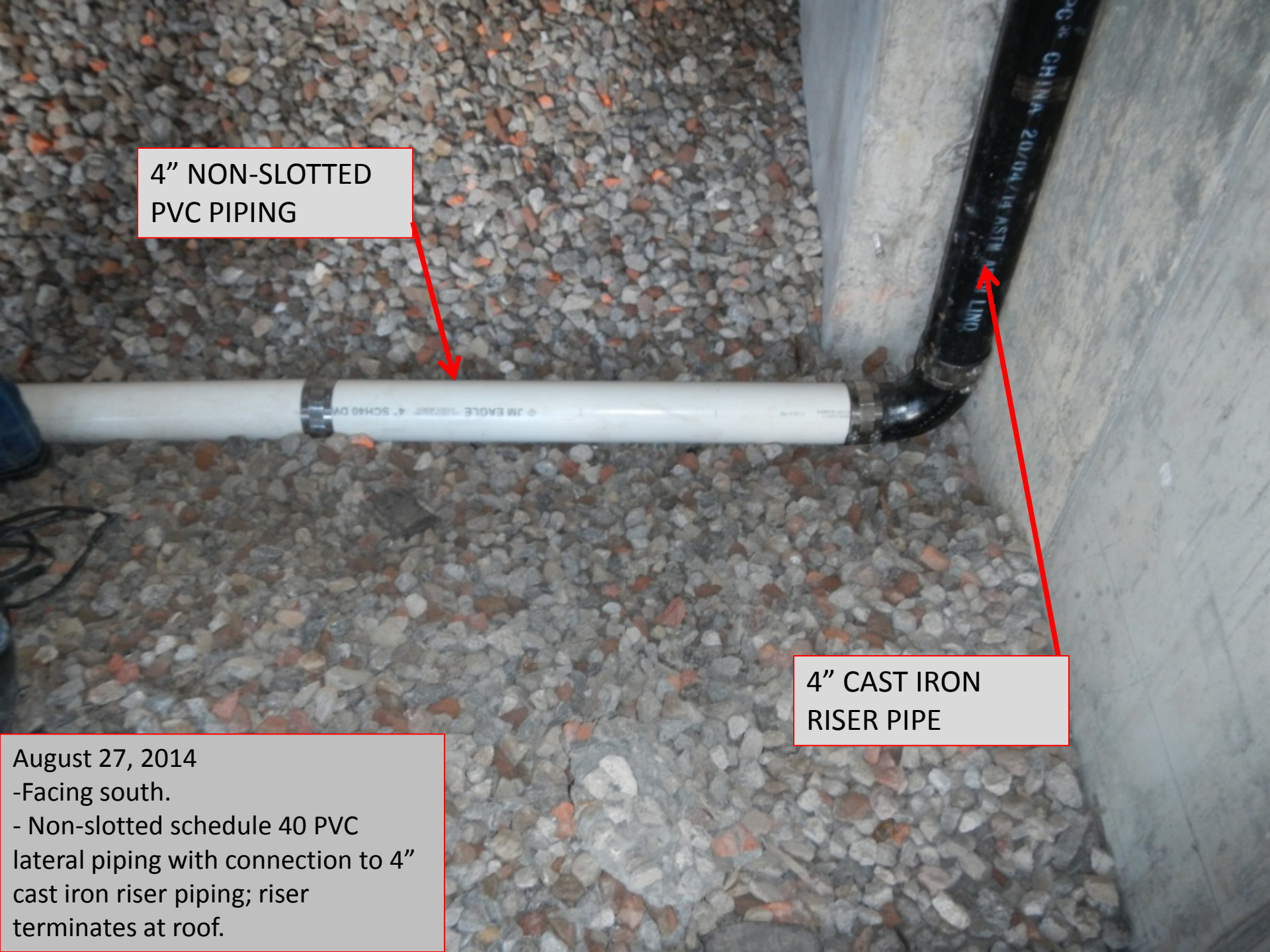


August 14, 2014
-Facing west; interior view of elevator pit.
- Application of Henry Block waterproofing material to elevator pit interior.

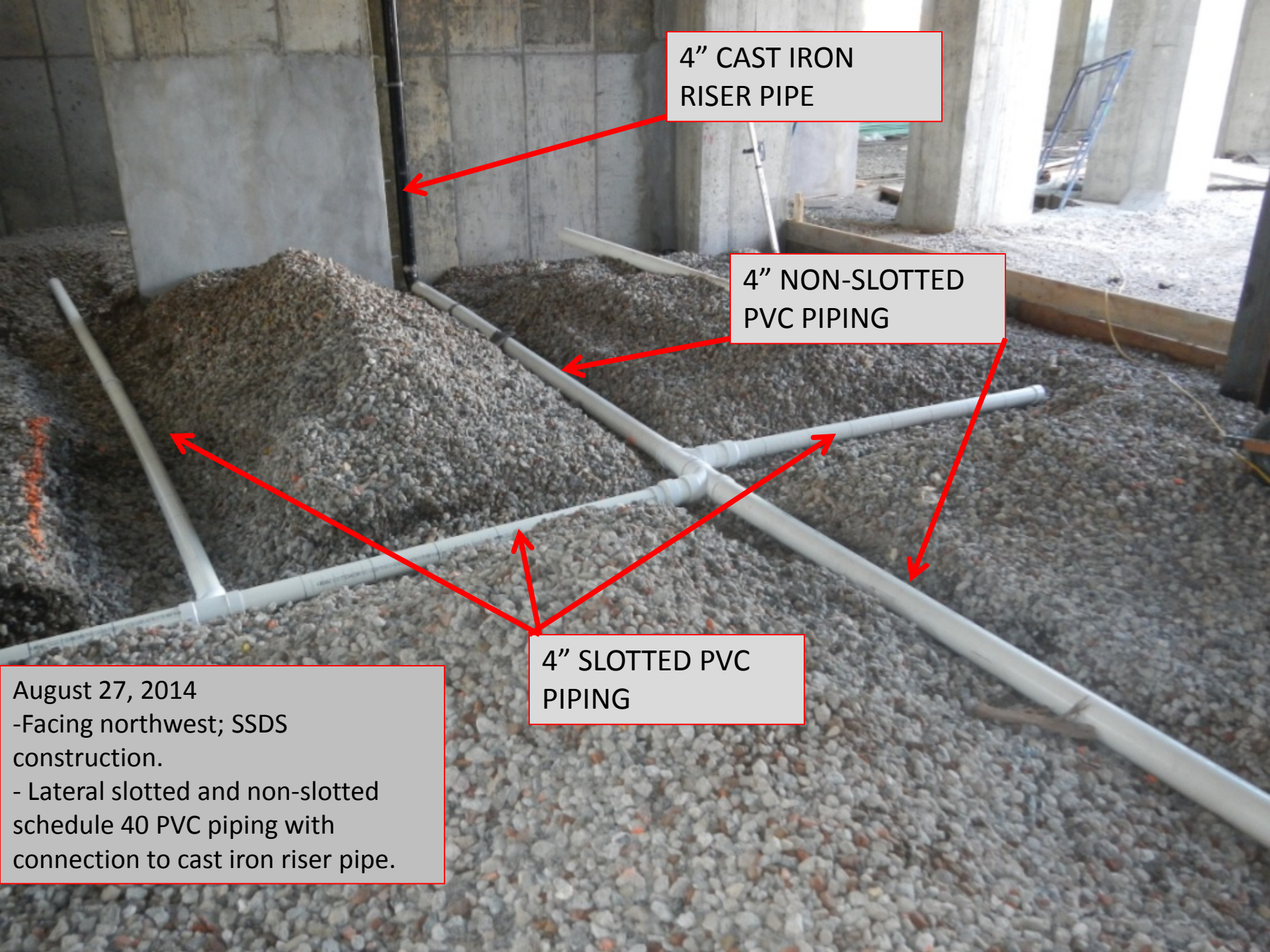
August 14, 2014
-Facing west; interior view of elevator pit.
-Application of Vapor Barrier along floor and wall of elevator pit.



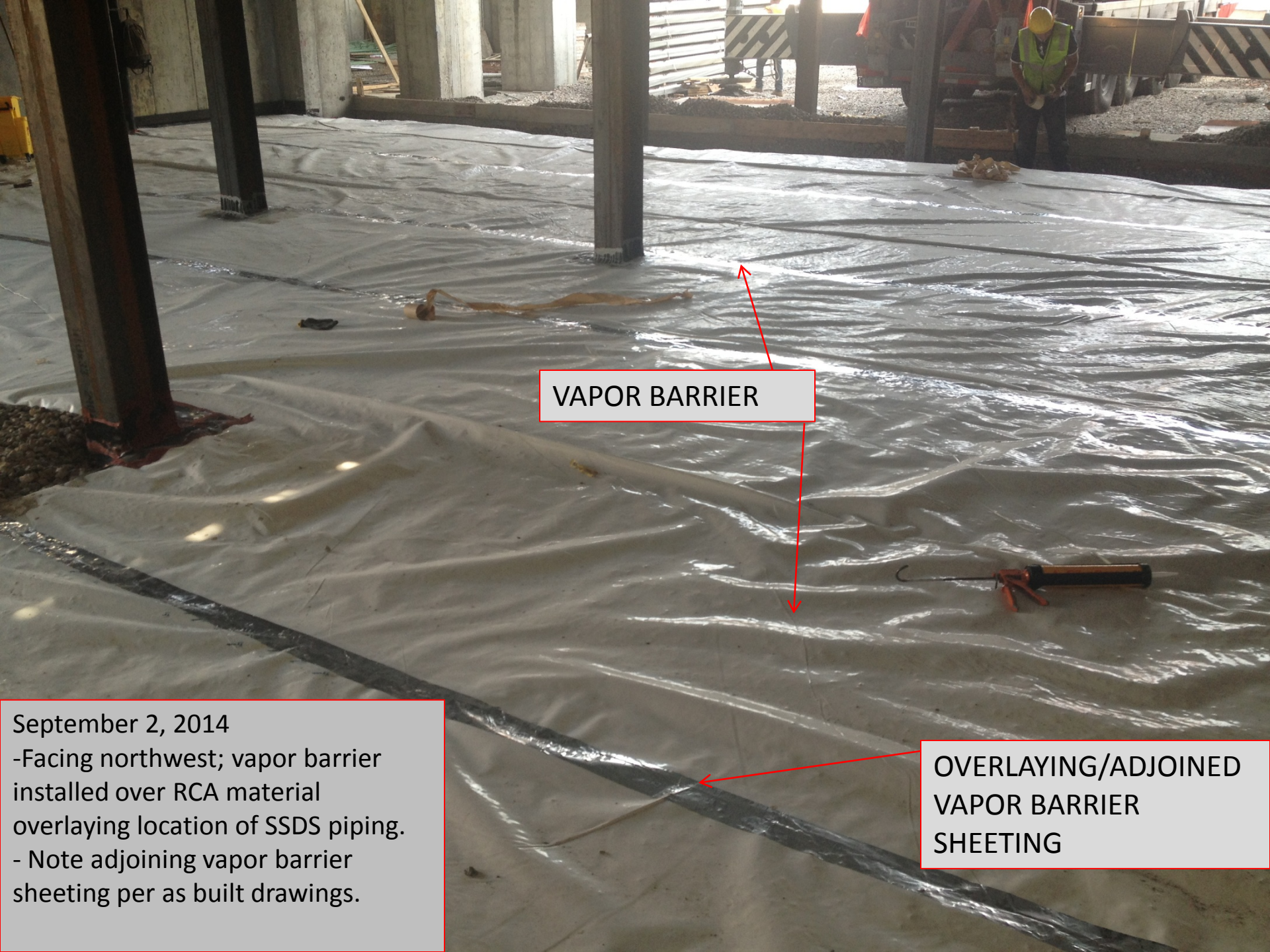
August 27, 2014
-Facing northwest.
- Installation of 3” slotted schedule 40 PVC piping (running north to south) connecting to 4” non-slotted schedule 40 PVC piping (running east to west) leading to riser pipe location.



August 27, 2014
-Facing south.
- Non-slotted schedule 40 PVC lateral piping with connection to 4” cast iron riser piping; riser terminates at roof.



August 27, 2014
-Facing northwest; SSDS construction.
- Lateral slotted and non-slotted schedule 40 PVC piping with connection to cast iron riser pipe.



September 2, 2014
-Facing northwest; vapor barrier installed over RCA material overlaying location of SSDS piping.
- Note adjoining vapor barrier sheeting per as built drawings.

September 6, 2014
-Facing northwest; pouring 6” of concrete overtop of vapor barrier.

SWAGELOK AIR MONITORING POINT

4” VAPOR BOND TAPE PENETRATION SEAL

VAPOR BARRIER

September 15, 2014
-Facing northeast; installation of soil vapor monitoring point located in northeast extent of vapor barrier.
- Penetration was sealed according to as built plans for vapor barrier penetrations.

September 15, 2014
-Facing northeast; installation of soil vapor monitoring point located in northeast extent of vapor barrier.
-Flush-to-grade curb box placed over top of Swagelok monitoring point.
- Backfilled with concrete.

TABLES

Table 1 – End Point Sample Analytical Laboratory Data

Table 1. **End Point Sample Analytical Laboratory Data**

Metals in End Point Samples; USEPA Method 6010B and 7471A;
collected December 13, **2013**; 556 Columbia Street, Brooklyn, New York;
PVE Sheffler File #560896

Chemical Constituent	CAS Number	Track 4 SCOs *	Sample Identification: SE Excavation EP-1	SE Excavation EP-2	SE Excavation EP-3	SW Excavation EP-1	SW Excavation EP-2	SW Excavation EP-3	SW Excavation EP-4	NW Excavation EP-1	NW Excavation EP-2	NE Excavaton EP-1	NE Excavaton EP-2
Inorganic Compounds													
Barium	7440-39-3	800	510	180	**1,700**	260	300	150	550	230	68	180	36
Copper	7440-50-8	750	240	87	560	530	**840**	140	210	230	33	91	22
Lead	7439-92-1	1,200	**1,700**	330	**1,900**	610	990	230	610	440	80	190	39
Total Mercury	7439-97-6	2.5	0.35	ND<0.19	**2.8**	**3.8**	2.3	0.76	1.9	0.96	ND<0.20	0.49	0.2

* Established limits in accordance with OER

All concentratioNA are in mg/kg unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC Unrestricted Use Limit;

Boldface and gray-highlighted type designates those compounds detected at concentrations exceeding NYSDEC Restricted-Residential Limits;

ND = Not detected, detection limit listed;

Table 1. **Semi-Volatile Organic Compounds (SVOCs) in End Point Samples;** USEPA Method 8270
collected **December 13, 2013**; 556 Columbia Street, Brooklyn, New York
PVE Sheffler File #560896

Chemical Constituent	CAS Number	Track 4 SCO *	Sample Identification: SE Excavation EP-1	SE Excavation EP-2	SE Excavation EP-3	SW Excavation EP-1	SW Excavation EP-2	SW Excavation EP-3	SW Excavation EP-4	NW Excavation EP-1	NW Excavation EP-2	NE Excavation EP-1	NE Excavation EP-2
Semi-Volatile Organic Compounds													
1,2,4-Trichlorobenzene	120-82-1	*	4300	390 J	2,500	ND<1100 U	ND<1200 U	ND< 570 U	1,400	ND<1100 U	ND<350 U	36000	ND< 520 U
2,2'-oxybis[1-chloropropane]	108-60-1	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
2,4,5-Trichlorophenol	95-95-4	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
2,4,6-Trichlorophenol	88-06-2	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
2,4-Dichlorophenol	120-83-2	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
2,4-Dimethylphenol	105-67-9	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
2,4-Dinitrophenol	51-28-5	*	1200 U*	ND<570 U	ND<1200 U	1100 U*	1200 U*	ND< 570 U	ND< 1300 U	1100 U*	350 U*	ND< 5700 U	ND< 520 U
2,4-Dinitrotoluene	121-14-2	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
2,6-Dinitrotoluene	606-20-2	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
2-Chloronaphthalene	91-58-7	*	2000	ND<570 U	1,100 J	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	7200	ND< 520 U
2-Chlorophenol	95-57-8	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
2-Methylnaphthalene	91-57-6	*	600 J	400 J	1,000 J	ND<1100 U	ND<1200 U	300 J	1,500	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
2-Methylphenol	95-48-7	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
2-Nitroaniline	88-74-4	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
2-Nitrophenol	88-75-5	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
3 & 4 Methylphenol	15831-10-4	*	ND<1200 U	ND<570 U	1,200 J	ND<1100 U	ND<1200 U	ND< 570 U	1,600	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
3,3'-Dichlorobenzidine	91-94-1	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
4,6-Dinitro-2-methylphenol	534-52-1	*	1200 U*	ND<570 U	ND<1200 U	1100 U*	1200 U*	ND< 570 U	ND< 1300 U	1100 U*	350 U*	ND< 5700 U	ND< 520 U
4-Bromophenyl phenyl ether	101-55-3	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
4-Chloro-3-methylphenol	59-50-7	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	880 J	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
4-Chloroaniline	106-47-8	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
4-Chlorophenyl phenyl ether	7005-72-3	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
4-Nitroaniline	100-01-6	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
4-Nitrophenol	100-02-7	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
Acenaphthene	83-32-9	*	ND<1200 U	ND<570 U	930 J	ND<1100 U	ND<1200 U	470 J	910 J	620 J	ND<350 U	ND< 5700 U	ND< 520 U
Acenaphthylene	208-96-8	*	770 J	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	580 J	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
Anthracene	120-12-7	*	760 J	ND<570 U	2,100	ND<1100 U	360 J	1,100	2,100	1600	ND<350 U	ND< 5700 U	ND< 520 U
Benzo[a]anthracene	56-55-3	*	ND<1200 U	210 J	3,200	1,000 J	1,200 J	2,100	1,500	6800	620	ND< 5700 U	ND< 520 U
Benzo[a]pyrene	50-32-8	*	ND<1200 U	180 J	2,900	1,000 J	620 J	1,900	1,600	6600	600	ND< 5700 U	ND< 520 U
Benzo[b]fluoranthene	205-99-2	*	970 J	280 J	4,000	ND<1100 U	ND<1200 U	2,400	1,600	8700	650	1,800	ND< 520 U
Benzo[g,h,i]perylene	191-24-2	*	ND<1200 U	ND<570 U	840 J	ND<1100 U	ND<1200 U	1,000	510 J	1700	190 J	ND< 5700 U	ND< 520 U
Benzo[k]fluoranthene	207-08-9	*	1,100 J	ND<570 U	1,700	2,100	1,800	790	1,700	6600	540	ND< 5700 U	ND< 520 U
Bis(2-chloroethoxy)methane	111-91-1	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
Bis(2-chloroethyl)ether	111-44-4	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
Bis(2-ethylhexyl) phthalate	117-81-7	*	ND<1200 U	ND<570 U	ND<1200 U	750 J	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
Butyl benzyl phthalate	85-68-7	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
Carbazole	86-74-8	*	ND<1200 U	ND<570 U	560 J	ND<1100 U	ND<1200 U	590	ND< 1300 U	760 J	ND<350 U	ND< 5700 U	ND< 520 U
Chrysene	218-01-9	*	4,700	880	3,400	1,200	8,600	2,000	2,300	700	1,400	ND< 5700 U	ND< 520 U
Dibenz(a,h)anthracene	53-70-3	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	560 J	ND<350 U	ND< 5700 U	ND< 520 U
Dibenzofuran	132-64-9	*	ND<1200 U	ND<570 U	960 J	ND<1100 U	ND<1200 U	420 J	420 J	410 J	ND<350 U	ND< 5700 U	ND< 520 U
Diethyl phthalate	84-66-2	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
Dimethyl phthalate	131-11-3	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
Di-n-butyl phthalate	84-74-2	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
Di-n-octyl phthalate	117-84-0	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
Fluoranthene	206-44-0	*	4,300	170 J	5,200	2,000	2,500	3,500	ND< 1300 U	16000	1,500	1,600	ND< 520 U
Fluorene	86-73-7	*	490 J	190 J	1,400	ND<1100 U	ND<1200 U	570	ND< 1300 U	570 J	ND<350 U	ND< 5700 U	ND< 520 U
Hexachlorobenzene	118-74-1	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
Hexachlorobutadiene	87-68-3	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
Hexachlorocyclopentadiene	77-47-4	*	1200 U*	ND<570 U	ND<1200 U	1100 U*	1200 U*	ND< 570 U	ND< 1300 U	1100 U*	350 U*	ND< 5700 U	ND< 520 U
Hexachloroethane	67-72-1	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
Indeno[1,2,3-cd]pyrene	193-39-5	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	990	ND< 1300 U	1900	ND<350 U	ND< 5700 U	ND< 520 U
Isophorone	78-59-1	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
Naphthalene	91-20-3	*	1,800	480 J	2,200	ND<1100 U	ND<1200 U	710	2,900	980 J	ND<350 U	4,800	ND< 520 U
Nitrobenzene	98-95-3	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
N-Nitrosodi-n-propylamine	621-64-7	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
N-Nitrosodiphenylamine	86-30-6	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
Pentachlorophenol	87-86-5	*	ND<1200 U	ND<570 U	ND< 9,300 U	ND<1100 U	ND<1200 U	ND< 4,300 U	ND< 9900 U	ND<1100 U	ND<350 U	43,000	ND< 3900 U
Phenanthrene	85-01-8	*	4,700	1,200	6,500	960 J	1,300	3,000	8,800	11000	690	2,100	200 J
Phenol	108-95-2	*	ND<1200 U	ND<570 U	ND<1200 U	ND<1100 U	ND<1200 U	ND< 570 U	ND< 1300 U	ND<1100 U	ND<350 U	ND< 5700 U	ND< 520 U
Pyrene	129-00-0	*	3,400	190 J	6,300	1,400	1,800	3,200	4,300	10000	1,000	ND< 5700 U	370 J
TOTAL SVOCs		* totaling 250,000	33,490	4,570	47,990	13,710	21,780	25,040	34,600	78,800	8,240	96,500	570

Notes:

All concentrations are in ug/kg (ppb) unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC Unrestricted Use standards;

Boldface and gray-highlighted type designates those compounds detected at concentrations exceeding NYSDEC Restricted-Residential Limits;

ND/U = The analyte was analyzed for but not detected at or above thestated limit.

J = Result is less than the RL but greater than or equal to the MDLand the concentration is an approximate value.

Table 2 – List of SCOs

Table 2. List of SCOs

Track 4 Soil Cleanup Objectives (SCOs)

Track 4 Soil Cleanup Objectives (SCOs)	
Contaminant	Track 4 SCO
Total SVOCs	250 ppm
Lead	1,200 ppm
Barium	800 ppm
Mercury	2.5 ppm

Table 3 – Disposal Facilities and Quantities – Non-Hazardous Contaminated Soil

Table 3. **Disposal quantities and facilities:**

Non-Hazardous soil

Clean Earth New Jersey (CENJ):

1 Fish House Road, Kearny, New Jersey 07032

Clean Earth Philadelphia (CEP):

3201 S 61st Street, Philadelphia, Pennsylvania 19153

Keagan Landfill:

437 Bergen Avenue, Kearny, New Jersey

Bayshore Soil Management LLC:

75 Crows Mill Road, Keasbey, New Jersey 08832

	DATE	MANIFEST/TICKET	NET (tons)
	12/13/2013	880293	19.43
	12/13/2013	884489	21.25
	12/13/2013	884491	25.74
	12/13/2013	881360	18.78
	12/13/2013	881361	24.39
	12/13/2013	881369	17.11
	12/13/2013	881370	20.55
	12/13/2013	880294	23.82
	12/13/2013	880295	22.14
	12/13/2013	881368	22.57
CEP	12/13/2013	884490	29.98
	12/13/2013	884488	29.01
	12/13/2013	884492	28.24
	12/13/2013	881367	20.51
	12/13/2013	881364	28.44
	12/13/2013	881362	24.39
	12/13/2013	881370	27.58
	12/13/2013	881363	24.25
	12/13/2013	881366	17.75
	12/13/2013	881365	21.91
	12/13/2013	881359	20.74
	Daily Total		**488.58**
	12/16/2013	881406	19.98
	12/16/2013	881402	17.16
	12/16/2013	881403	19.82
	12/16/2013	881408	19.73
CEP	12/16/2013	881407	18.6
	12/16/2013	881409	22.77
	12/16/2013	881404	28.52
	12/16/2013	881405	25.01
	12/16/2013	881412	18.88
	12/16/2013	881411	18.34
	Daily Total		**208.81**

CEP	12/19/2013	881483	19.86
	12/19/2013	881484	23.09
	12/19/2013	881487	28.66
	12/19/2013	881489	29.38
	12/19/2013	881482	26.9
	12/19/2013	881485	29.51
	12/19/2013	881488	24.76
	12/19/2013	881486	22.58
	Daily Total		**204.74**
CEP	12/20/2013	881502	27.64
	12/20/2013	881499	17.85
	12/20/2013	881501	20.15
	12/20/2013	881492	15.24
	12/20/2013	881493	16.5
	12/20/2013	881500	21.94
	12/20/2013	881498	29.07
	12/20/2013	881491	21.99
	12/20/2013	881497	26.6
	12/20/2013	881503	23.72
	Daily Total		**220.7**
CEP	12/23/2013	727117	27.8
	12/23/2013	881490	26.29
	12/23/2013	881523	23.12
	12/23/2013	881522	25.3
	Daily Total		**102.51**
		CEP TOTAL	**1225.34**
CENJ	12/23/2013	826788	31.96
	12/23/2013	826791	22.4
	12/23/2013	826789	24.51
	12/23/2013	826790	23.85
	12/23/2013	D12972	28.54
	12/23/2013	D13035	24.63
	12/23/2013	D13036	29.77
	12/23/2013	D13029	27.8
	12/23/2013	D13028	25.7
	12/23/2013	D12974	22.25
	Daily Total		**261.41**
		CENJ TOTAL	**261.41**
	3/12/2014	0001	24.47
	3/12/2014	0002	24.44
	3/12/2014	0003	25.42

	3/12/2014	0004	24.61
	3/12/2014	0005	26.11
	3/12/2014	0006	24.53
Keagan	3/12/2014	0007	24.57
	3/12/2014	0008	23.23
	3/12/2014	0009	24.87
	3/12/2014	0010	27.08
	3/12/2014	0011	27.14
	3/12/2014	0012	25.70
	3/12/2014	0013	21.85
	Daily Total		**324.02**
	3/13/2014	0014	25.33
	3/13/2014	0015	23.40
	3/13/2014	0016	23.89
	3/13/2014	0017	23.16
	3/13/2014	0018	27.46
	3/13/2014	0019	27.12
	3/13/2014	0020	21.03
Keagan	3/13/2014	0021	23.48
	3/13/2014	0022	22.83
	3/13/2014	0023	24.27
	3/13/2014	0024	22.53
	3/13/2014	0025	25.71
	3/13/2014	0026	24.77
	3/13/2014	0027	23.76
	3/13/2014	0028	25.19
	Daily Total		**363.93**
	3/14/2014	0029	26.39
	3/14/2014	0030	24.52
	3/14/2014	0031	25.42
	3/14/2014	0032	21.79
	3/14/2014	0033	26.96
	3/14/2014	0034	23.34
	3/14/2014	0035	25.91
	3/14/2014	0036	27.68
	3/14/2014	0037	26.62
	3/14/2014	0038	24.45
	3/14/2014	0039	25.12
	3/14/2014	0040	26.49
	3/14/2014	0041	29.78
	3/14/2014	0042	25.89
	3/14/2014	0043	22.57
	3/14/2014	0044	23.84
	Daily Total		**406.77**

	3/15/2014	0045	25.86
	3/15/2014	0046	26.20
	3/15/2014	0047	24.15
	3/15/2014	0048	27.47
	3/15/2014	0049	23.67
	3/15/2014	0050	22.78
	3/15/2014	0051	24.02
Keagan	3/15/2014	0052	23.57
	3/15/2014	0053	22.36
	3/15/2014	0054	28.13
	3/15/2014	0060	22.94
	3/15/2014	0061	25.03
	3/15/2014	0062	25.00
	3/15/2014	0063	26.56
	3/15/2014	0064	25.00
	3/15/2014	0065	29.43
	Daily Total		**402.17**
	3/19/2014	0057	23.64
	3/19/2014	0058	23.96
Keagan	3/19/2014	0059	29.27
	3/19/2014	0066	24.19
	3/19/2014	0067	26.84
	3/19/2014	0068	30.37
	Daily Total		**158.27**
	3/25/2014	0070	25.30
	3/25/2014	0071	24.38
	3/25/2014	0072	24.77
	3/25/2014	0073	26.88
	3/25/2014	0074	25.62
	3/25/2014	0075	24.28
	3/25/2014	0076	24.06
Keagan	3/25/2014	0077	26.02
	3/25/2014	0078	27.51
	3/25/2014	0079	22.24
	3/25/2014	0080	22.48
	3/25/2014	0081	26.44
	3/25/2014	0082	26.55
	3/25/2014	0084	23.21
	3/25/2014	0085	24.86
	Daily Total		**374.60**
	3/26/2014	0086	25.07
	3/26/2014	0087	25.02
	3/26/2014	0088	24.62
	3/26/2014	0089	26.56

Keagan	3/26/2014	0090	25.42
	3/26/2014	0091	25.14
	3/26/2014	0092	26.18
	3/26/2014	0093	25.27
	3/26/2014	0094	23.47
	3/26/2014	0095	25.36
	3/26/2014	0096	28.94
	3/26/2014	0097	25.84
	3/26/2014	0098	21.79
	3/26/2014	0099	24.71
	3/26/2014	0100	25.52
	3/26/2014	0101	25.18
	Daily Total		**404.09**
		Keagan TOTAL	**2433.85**
Bayshore	9/16/2014	E0047679	28.99
	9/16/2014	E0047680	26.06
	9/16/2014	E0047681	28.01
	9/16/2014	E0047682	25.64
	9/16/2014	E0047683	28.09
	9/16/2014	E0047684	26.94
	9/16/2014	E0047685	29.44
	9/16/2014	E0047686	27.38
	9/16/2014	E0047688	28.11
	9/16/2014	E0047689	29
	9/16/2014	E0047696	27.62
	9/16/2014	E0047697	27.16
	9/16/2014	E0047698	25.47
	9/16/2014	E0047699	25.55
	9/16/2014	E0047700	26.04
	9/16/2014	E0047701	23.39
	9/16/2014	E0047702	25.63
	9/16/2014	E0047703	24.48
	9/16/2014	E0047625	28.7
	9/16/2014	E0047690	28.37
	9/16/2014	E0047691	26.1
	9/16/2014	E0047693	21.82
	Daily Total		**587.99**
Bayshore	7/11/2015	E0104268	31.58
	7/11/2015	E0104269	30.82
	7/11/2015	E0104273	28.88
	7/11/2015	E0104271	5.31
	7/11/2015	E0104272	30.64
	7/11/2015	E0104270	21.11
	7/11/2015	E0104274	28.99

	7/11/2015	E0104275	26.44
	Daily Total		**203.67**
Bayshore	7/13/2015	E0104276	24.69
	7/13/2015	E0104277	19.17
	Daily Total		**43.86**
Bayshore	7/14/2015	E0101743	21.93
	7/14/2015	E0101742	6.17
	Daily Total		**28.1**
		Bayshore TOTAL	**863.62**

TOTAL NON-HAZARDOUS SOIL DISPOSED	**4,784.22**

Table 4 – Disposal Facilities and Quantities – Asphalt and Concrete

Table 4. Disposal Facilities and Quantities: Asphalt and Concrete

Generated from; 556 Columbia Street, Brooklyn, NY

Transported to;

Rizzo Environmental Services:

5700 47th Street, Maspeth, New York 11378

St. Clair Trucking

2085 Lakeland Avenue, Ronkonkoma, New York 11779

	Date	Ticket	Cubic Yards	Tons
	12/10/2013	36103	35	49
	12/10/2013	36105	35	49
	12/10/2013	36106	35	49
	12/10/2013	36104	35	49
	12/11/2013	63751	35	49
	12/11/2013	63752	35	49
	12/11/2013	63753	35	49
	12/11/2013	60141	38	53.2
	12/11/2013	60140	38	53.2
	12/11/2013	63853	38	53.2
	12/11/2013	63851	35	49
	12/11/2013	63852	35	49
	12/11/2013	63854	35	49
	12/11/2013	63755	35	49
	12/12/2013	60144	38	53.2
	12/12/2013	60146	38	53.2
	12/12/2013	60145	38	53.2
	12/12/2013	63758	35	49
	12/12/2013	63757	35	49
Rizzo &	12/12/2013	63756	35	49
St.Clair	12/16/2013	62254	38	53.2
	12/19/2013	63761	35	49
	12/19/2013	63765	35	49
	12/19/2013	63763	35	49
	12/19/2013	63766	35	49
	12/19/2013	63762	35	49
	12/19/2013	63759	35	49
	12/19/2013	63764	35	49
	12/19/2013	63760	35	49
	12/20/2013	63773	35	49
	12/20/2013	63857	35	49
	12/20/2013	63767	35	49
	12/20/2013	63768	35	49
	12/20/2013	63856	35	49
	12/20/2013	63855	35	49
	12/20/2013	63769	35	49
	12/20/2013	63858	35	49
	12/20/2013	63861	35	49
	12/20/2013	63772	35	49

12/20/2013	63771	35	49
	TOTAL	**1421**	**1989.4**

Table 5 – Backfill Quantities and Sources – Hot Spot Excavations

Table. 5 Backfill Quantities and Sources – Hot Spot Excavations

Imported to 556 Columbia Street, Brooklyn, NY

Generated from;

Liotta & Son:

3966 Long Beach Road, Island Park, New York 11558

Eagle 1 Industries INC:

223-09 56 Road, Oakland Gardens, New York 11364

Rizzo Environmental Services:

5700 47th Street, Maspeth, New York 11378

St. Clair Trucking

2085 Lakeland Avenue, Ronkonkoma, New York 11779

	Date	Ticket	Description	Qty. (cyd)	Tons
Rizzo & St.Clair	12/20/2013	63860	RCA Blend	38	53.2
	12/20/2013	63859	RCA Blend	38	53.2
	12/20/2013	63862	RCA Blend	38	53.2
	12/20/2013	63774	RCA Blend	38	53.2
Liotta & Sons / Eagle 1 Industries	12/23/2013	75619	RCA Blend	38	53.2
	12/23/2013	2646	RCA Blend	38	53.2
	12/23/2013	75618	RCA Blend	38	53.2
	12/24/2013	17846	RCA Blend	38	53.2
	12/24/2013	17854	RCA Blend	38	53.2
	12/24/2013	17844	RCA Blend	38	53.2
	12/24/2013	19332	RCA Blend	38	53.2
	12/24/2013	19331	RCA Blend	38	53.2
	12/24/2013	19330	RCA Blend	38	53.2
	12/24/2013	18819	RCA Blend	38	53.2
	12/24/2013	18820	RCA Blend	38	53.2
	12/24/2013	18821	RCA Blend	38	53.2
	12/24/2013	17736	RCA Blend	38	53.2
	12/24/2013	11737	RCA Blend	38	53.2
	12/24/2013	11738	RCA Blend	38	53.2
	12/27/2013	2896	RCA Blend	38	53.2
	12/27/2013	1301	RCA Blend	38	53.2
	12/27/2013	75627	RCA Blend	38	53.2
	12/27/2013	1008	RCA Blend	38	53.2
	12/27/2013	1009	RCA Blend	38	53.2
	12/27/2013	1010	RCA Blend	38	53.2
			TOTAL	**950**	**1330**

Table 6 – Backfill Quantities and Sources – Composite Cover System

Table 6. Backfill Quantities and Sources – Composite Cover System

Imported to 556 Columbia Street, Brooklyn, New York

Alloco Recycling, Ltd.
540 Kingsland Avenue, Brooklyn, New York 11222

Recycled Concrete Aggregate

Date	Invoice	Description	Quantity (yds)
7/14/2014	301455	Stone (RCA)	18
7/14/2014	301455	Stone (RCA)	18
7/14/2014	301455	Stone (RCA)	18
7/14/2014	301455	Stone (RCA)	18
7/14/2014	301455	Stone (RCA)	18
7/14/2014	301455	Stone (RCA)	18
7/14/2014	301455	Stone (RCA)	18
7/14/2014	301455	Stone (RCA)	18
7/14/2014	301489	Stone (RCA)	90
		DAILY TOTAL	**234**
7/15/2014	301523	Stone (RCA)	18
7/15/2014	301523	Stone (RCA)	18
7/15/2014	301523	Stone (RCA)	18
7/15/2014	301523	Stone (RCA)	18
		DAILY TOTAL	**72**
7/16/2014	301556	Stone (RCA)	18
7/16/2014	301556	Stone (RCA)	18
7/16/2014	301556	Stone (RCA)	18
7/16/2014	301556	Stone (RCA)	18
		DAILY TOTAL	**72**
7/11/2014	301558	Stone (RCA)	90
		DAILY TOTAL	**90**
7/17/2014	301593	Stone (RCA)	18
7/17/2014	301593	Stone (RCA)	18
7/17/2014	301593	Stone (RCA)	18
7/17/2014	301593	Stone (RCA)	18
7/17/2014	301593	Stone (RCA)	18
		DAILY TOTAL	**90**
7/21/2014	301695	Stone (RCA)	18
7/21/2014	301695	Stone (RCA)	18
7/21/2014	301695	Stone (RCA)	18
7/21/2014	301695	Stone (RCA)	18
7/21/2014	301695	Stone (RCA)	18
7/21/2014	301695	Stone (RCA)	18
7/21/2014	301695	Stone (RCA)	18
7/21/2014	301695	Stone (RCA)	18
		DAILY TOTAL	**144**
7/30/2014	302009	Stone (RCA)	18
7/30/2014	302009	Stone (RCA)	18
7/30/2014	302009	Stone (RCA)	18
7/30/2014	302009	Stone (RCA)	18
		DAILY TOTAL	**72**
8/6/2014	302220	Stone (RCA)	18
8/6/2014	302220	Mixed Debris	18
8/6/2014	302220	Stone (RCA)	18
8/6/2014	302220	Mixed Debris	18
8/6/2014	302220	Stone (RCA)	18
8/6/2014	302220	Stone (RCA)	18
		DAILY TOTAL	**108**
8/14/2014	302462	Stone (RCA)	18
8/14/2014	302462	Stone (RCA)	18
8/14/2014	302462	Stone (RCA)	18
8/14/2014	302462	Stone (RCA)	18
8/14/2014	302546	Stone (RCA)	18
		DAILY TOTAL	**90**
8/18/2014	302546	Stone (RCA)	18
8/18/2014	302546	Stone (RCA)	18
8/18/2014	302546	Stone (RCA)	18
8/18/2014	302562	Stone (RCA)	18
8/18/2014	302562	Stone (RCA)	18
8/18/2014	302562	Stone (RCA)	18

8/18/2014	302562	Stone (RCA)	18
		DAILY TOTAL	**126**
8/20/2014	302671	Stone (RCA)	18
8/20/2014	302671	Stone (RCA)	18
8/20/2014	302671	Stone (RCA)	18
8/20/2014	302671	Stone (RCA)	18
8/20/2014	302671	Stone (RCA)	18
		DAILY TOTAL	**90**
8/25/2014	302793	Stone (RCA)	18
8/25/2014	302793	Stone (RCA)	18
8/25/2014	302793	Stone (RCA)	18
8/25/2014	302793	Stone (RCA)	18
8/25/2014	302908	Stone (RCA)	18
8/25/2014	302908	Stone (RCA)	18
8/25/2014	302908	Stone (RCA)	18
8/25/2014	302908	Stone (RCA)	18
		DAILY TOTAL	**144**
9/5/2014	303165	Stone (RCA)	18
9/5/2014	303165	Stone (RCA)	18
9/5/2014	303165	Stone (RCA)	18
9/5/2014	303165	Stone (RCA)	18
9/5/2014	303165	Stone (RCA)	18
9/5/2014	303165	Stone (RCA)	18
9/5/2014	303165	Stone (RCA)	18
		DAILY TOTAL	**162**
9/10/2014	303310	Stone (RCA)	18
9/10/2014	303310	Stone (RCA)	18
9/10/2014	303310	Stone (RCA)	18
9/10/2014	303310	Stone (RCA)	18
		DAILY TOTAL	**72**
9/16/2014	303496	Stone (RCA)	18
9/16/2014	303496	Stone (RCA)	18
9/16/2014	303496	Stone (RCA)	18
9/16/2014	303496	Stone (RCA)	18
		DAILY TOTAL	**72**
9/17/2014	303526	Stone (RCA)	18
9/17/2014	303526	Stone (RCA)	18
9/17/2014	303526	Stone (RCA)	18
9/17/2014	303526	Stone (RCA)	18
		DAILY TOTAL	**72**
9/19/2014	303598	Stone (RCA)	18
9/19/2014	303598	Stone (RCA)	18
9/19/2014	303598	Stone (RCA)	18
9/19/2014	303598	Stone (RCA)	18
9/19/2014	303598	Stone (RCA)	18
9/19/2014	303598	Stone (RCA)	18
9/19/2014	303598	Stone (RCA)	18
9/19/2014	303598	Stone (RCA)	18
		DAILY TOTAL	**144**
9/22/2014	303635	Stone (RCA)	18
9/22/2014	303635	Stone (RCA)	18
9/22/2014	303635	Stone (RCA)	18
9/22/2014	303635	Stone (RCA)	18
		DAILY TOTAL	**72**
9/23/2014	303716	Stone (RCA)	18
9/23/2014	303716	Stone (RCA)	18
9/23/2014	303716	Stone (RCA)	18
9/23/2014	303716	Stone (RCA)	18
		DAILY TOTAL	**72**
9/24/2014	303756	Stone (RCA)	18
9/24/2014	303756	Stone (RCA)	18
9/24/2014	303756	Stone (RCA)	18
9/24/2014	303756	Stone (RCA)	18
		DAILY TOTAL	**72**
9/26/2014	303831	Stone (RCA)	18
9/26/2014	303831	Stone (RCA)	18
9/26/2014	303831	Stone (RCA)	18

9/26/2014	303831	Stone (RCA)	18
9/26/2014	303831	Stone (RCA)	18
		DAILY TOTAL	**90**
9/29/2014	303867	Stone (RCA)	18
9/29/2014	303867	Stone (RCA)	18
9/29/2014	303867	Stone (RCA)	18
9/29/2014	303867	Stone (RCA)	18
9/29/2014	303867	Stone (RCA)	18
9/29/2014	303867	Stone (RCA)	18
9/29/2014	303867	Stone (RCA)	18
9/29/2014	303867	Stone (RCA)	18
		DAILY TOTAL	**144**
10/1/2014	304002	Stone (RCA)	18
10/1/2014	304002	Stone (RCA)	18
		DAILY TOTAL	**36**
10/27/2014	305351	Stone (RCA)	18
10/27/2014	305351	Stone (RCA)	18
10/27/2014	305351	Stone (RCA)	18
10/27/2014	305351	Stone (RCA)	18
10/27/2014	305351	Stone (RCA)	18
		DAILY TOTAL	**90**
10/31/2014	305572	Stone (RCA)	18
10/31/2014	305572	Stone (RCA)	18
10/31/2014	305572	Stone (RCA)	18
10/31/2014	305572	Stone (RCA)	18
		DAILY TOTAL	**72**
11/12/2014	306012	Mixed Debris	18
		DAILY TOTAL	**18**
11/25/2014	306478	Stone (RCA)	18
11/25/2014	306478	Stone (RCA)	18
11/25/2014	306478	Stone (RCA)	18
11/25/2014	306478	Stone (RCA)	18
		DAILY TOTAL	**72**
12/16/2014	307157	Stone (RCA)	18
12/16/2014	307157	Stone (RCA)	18
		DAILY TOTAL	**36**
12/29/2014	307625	Stone (RCA)	18
12/29/2014	307625	Stone (RCA)	18
12/29/2014	307625	Stone (RCA)	18
		DAILY TOTAL	**54**
12/31/2014	307769	Stone (RCA)	18
12/31/2014	307769	Stone (RCA)	18
12/31/2014	307769	Stone (RCA)	18
12/31/2014	307769	Stone (RCA)	18
		DAILY TOTAL	**72**

TOTAL RCA **2754**

Bissett Nursery Corp.
323 Long Island Avenue

TOP SOIL

Date	Invoice	Description	Quantity (yds)
6/15/2015	913632	Top Soil	140
6/18/2015	914738	Top Soil	70
6/19/2015	915059	Top Soil	35
6/23/2015	916199	Top Soil	35
6/26/2015	917108	Top Soil	70
7/3/2015	919016	Top Soil	70
7/16/2015	921654	Top Soil	35
7/17/2015	921950	Top Soil	35
7/20/2015	922364	Top Soil	70
7/23/2015	922919	Top Soil	35
7/29/2015	923953	Top Soil	35
8/6/2015	925540	Top Soil	70
		Total	**700**

Table 7 – Hazardous Contaminated Soil

Table 7 December 18, 2014 - Hazardous Waste Soil Disposal
Generated from 556 Columbia Street, Brooklyn, NY
Transported to Clean Earth of New Jersey; 105 Jacobus Avenue, Kearny, NJ

Date	Manifest	Weight (lbs)	Tons
12/18/2014	13916223	46,220	23.11
12/18/2014	13916221	38,960	19.48
12/18/2014	13916222	43,920	21.96
12/18/2014	13916220	45,620	22.81
12/18/2014	13916224	50,340	25.17
12/18/2014	13916225	48,060	24.03
12/18/2014	13916217	43,220	21.61
12/18/2014	13916226	45,980	22.99
12/18/2014	13916218	47,120	23.56
12/18/2014	13916200	54,140	27.07
	Total	463,580	231.79

Table 7 (Cont'd) February 4, 2015 - Hazardous Waste Soil Disposal
Generated from 556 Columbia Street, Brooklyn, NY
Transported to Clean Earth of New Jersey; 105 Jacobus Avenue, Kearny, NJ

Date	Manifest	Weight (lbs)	Weight (tons)
2/4/2015	13132141	37,340	18.67
2/4/2015	13132132	44,140	22.07
2/4/2015	13132140	34,700	17.35
	Total	116,180	58.09
	GRAND TOTAL	579,760.00	289.88