REVISED CORRECTIVE MEASURES WORK PLAN 6469 Broadway BCP Site 6469 Broadway Bronx, New York NYSDEC BCP Site: C203048 **BELLUCCI ENGINEERING, PLLC** and G) GALLAGHER TECHNICAL BASSETT SERVICES May 14, 2020 (Revised April 2025)



CORRECTIVE MEASURES WORK PLAN

May 14, 2020 (Revised April 2025)

GBTS File: CB01174

Prepared By

Prepared For

Bellucci Engineering, PLLC West Hartford, CT 06107 **6469 Broadway Selfhelp, LLC** c/o Selfhelp Community Services 590 8th Avenue, New York, NY 10018

and

Gallagher Bassett Technical Services 22 IBM Road, Suite 101

Poughkeepsie, NY 12601

I, Daniel Bellucci, certify that I am currently a NYS registered professional engineer as in defined in 6 NYCRR Part 375 and that this Corrective Measures Work Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

099470

April 11, 2025

NYS Professional Engineer Number Date

Sail Beller

Signature

The undersigned has reviewed this Corrective Measures Work Plan and certifies to 6469 Broadway Selfhelp, LLC that the information provided in this document is accurate as of the date of issuance.

Richard Hooker Manager – Environmental Consulting Gallagher Bassett Technical Services



TABLE OF CONTENTS

1.0	INTRODUCTION1		
	1.1	Purpose1	
	1.2	Background Information1	
	1.3	Water Intrusion Remedy1	
2.0	GROUNDWATER REMEDIATION WORK PLAN		2
	2.1	Summary of Services2	
	2.2	General Fieldwork Methodology2	
3.0	DOC	UMENTATION	3
4.0	SCHE	EDULE	3

FIGURES

1	Site Location Map
2	Groundwater and Injection Well Location Map

ATTACHMENTS

A Summary of Limited Cellar Lev	el Repair Program
---------------------------------	-------------------

- B Revised Indoor Air Contingency Work Plan
- C Limited Cellar Level Repair Program
- D Preliminary Work Schedule

CORRECTIVE MEASURES WORK PLAN – 6469 BROADWAY BCP SITE: C203048

1.0 INTRODUCTION

1.1 Purpose

This Corrective Measures Work Plan is applicable to the 6469 Broadway BCP Site property, located at 6469 Broadway, Borough of Bronx, New York, New York. A Site Location Map is provided as Figure 1.

Active remediation will be conducted to address elevated volatile organic compounds (VOCs) in groundwater.

1.2 Background Information

Based on quarterly monitoring data, groundwater contamination remains present on the Site at levels that exceed NYSDEC groundwater protection standards. Active remediation is warranted to reduce residual groundwater contamination to acceptable levels.

1.3 Water Intrusion Remedy

Site conditions related to reported flooding of the building cellar are documented in a *Summary of Limited Cellar Level Repair Program* (February 4, 2021), prepared by RAND Engineering & Architecture, DPC (RAND Report; see Attachment A). This summary of the RAND Report is provided for information only and is not part of the Bellucci Engineering and Gallagher Bassett certification. The report provides the following conclusions:

- Cellar flooding conditions are caused by deficiencies in the cellar floor waterproofing and structure, which must be addressed in order to correct the condition.
- The waterproofing beneath the cellar floor is compromised in multiple locations, with points of entry spread over a large area of the cellar.
- The concrete slab-on-grade forming the cellar floor was not designed or constructed to resist hydrostatic loads from below. Observable cracks in the slab-on-grade floor and foundation walls exhibit evidence of water entry.
- Previous remedial efforts, including localized grout injection, have not been adequate.

Recommended Repairs include the following:

- Installation of a new cellar pressure slab and waterproofing/drainage system on top of the existing cellar floor slab, including new sump pits, sump pumps, and connection to the existing drainage system.
- Localized grout injection of known/suspected points of water entry along the existing foundation walls and cellar floor slab.
- Underpinning of the rear yard retaining wall in locations of settlement.

CORRECTIVE MEASURES WORK PLAN – 6469 BROADWAY BCP SITE: C203048 Page 2 of 3 MAY 14, 2020 (Revised April 2025)

GBTS will provide environmental oversight during repair of the cellar slab, including groundwater sampling, indoor air sampling, and implementation of the Community Air Monitoring Plan (CAMP) in accordance with the Revised Indoor Air Contingency Work Plan (January 2014), provided as Attachment B. If soils are excavated during ground intrusive work, they will be managed in accordance with the Site Management Plan (September 2015). Schematics for repair of the cellar ("Limited Cellar Level Repair Program") are provided as Attachment C.

2.0 GROUNDWATER REMEDIATION WORK PLAN

2.1 Summary of Services

Proposed fieldwork is summarized below. All work will be performed consistent with procedures set forth in the Remedial Action Work Plan (August 2013) and supporting documents, including HASP, CAMP, and QAPP. A Data Usability Review will be performed by an independent third party.

- Additional in situ chemical oxidation (ISCO) treatment is proposed at existing injection wells IW-1 through IW-3, located in close proximity to the groundwater monitoring wells showing elevated levels of VOCs (injection locations are shown in Figure 2).
- The selected injection wells will be inspected to verify their integrity and suitability for the proposed treatment and redeveloped prior to the ISCO application.
- The selected reagent will be sodium persulfate to destroy organic contaminants found in groundwater and soil through abiotic chemical oxidation reactions. The application rate will be determined in consultation with a qualified supplier of ISCO services after the suitability of the wells has been verified.
- After the injection event, existing monitoring wells will continue to be sampled quarterly per the requirements of the SMP. Data will be reviewed to evaluate the effectiveness of the ISCO application. Additional treatment will be conducted as necessary in order to achieve acceptable water quality.

2.2 General Fieldwork Methodology

Application of the oxidants will be performed by properly trained personnel under the supervision of the Remedial Engineer and Qualified Environmental Professional. The initial recommendation from the ISCO manufacturer, based on known Site conditions, is for the application of sodium persulfate to destroy organic contaminants found in groundwater and soil through abiotic chemical oxidation reactions. Groundwater will be resampled after laboratory analysis of indicator compounds indicates that ISCO reagents are likely spent (approximately 3-4 months after injection). Fieldwork protocols will be submitted to NYSDEC for review after a final ISCO methodology has been established.



CORRECTIVE MEASURES WORK PLAN – 6469 BROADWAY BCP SITE: C203048

3.0 DOCUMENTATION

At the completion of all services detailed in this Work Plan, a Corrective Measures Report (Report) will be prepared and submitted to the NYSDEC for review and approval. This Report will include, at a minimum: a summary of all fieldwork activities; results of laboratory analyses generated as a result of this investigation; maps illustrating Site investigation and waterproofing activities; a Data Usability Summary Report (DUSR) prepared by a third, independent party, which maintains NYSDOH ELAP CLP Certification; and, any recommendations and detailed protocols for appropriate response actions.

4.0 SCHEDULE

The following fieldwork schedule is proposed:

Corrective Measures	Date	
Limited Cellar Level Repair	April – November 2025	
Groundwater Remediation	Spring 2026	

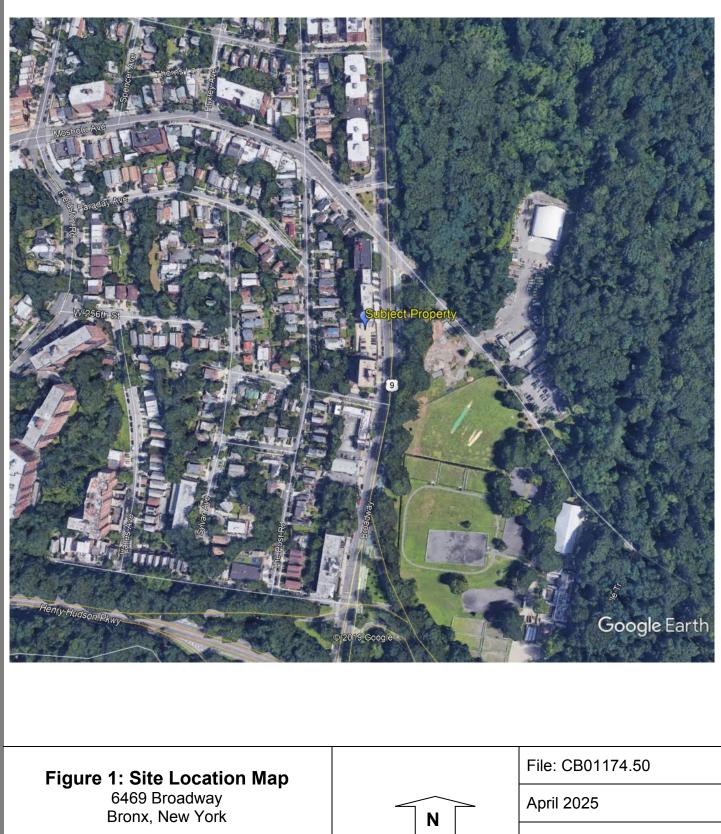
Specific details of the limited cellar level repair schedule can be found in the preliminary work schedule included in Attachment D.



Figures

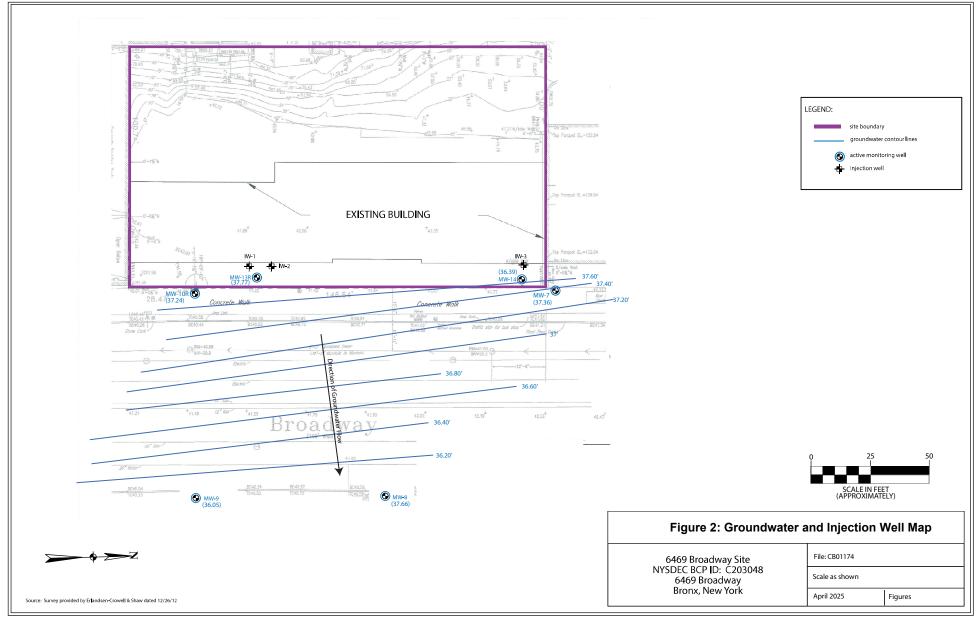


TECHNICAL SERVICES



Figures







Attachment A

Summary of Limited Cellar Level Repair Program



COVER SHEET

Date: February 4, 2021

To:Dorothy Cormier KernE-mail:dkern@selfhelp.net

- cc: Susan Wright E-mail: swright@selfhelp.net
- cc: Pam Slighter E-mail: psligher@selfhelp.net
- From: Eugene Gurevich, PE

Re: 6469 Broadway, Bronx Limited Cellar Level Repair Program

Number of Pages (including cover): 10

COMMENTS:

Attached is our Initial Evaluation Report of the Limited Cellar Level Repair Program as requested.

Please do not hesitate to call if you have any questions.

M201205.cor

RESTORATION AND NEW DESIGN SINCE 1987.

RAND ENGINEERING & ARCHITECTURE, DPC

159 WEST 25TH STREET, NEW YORK, NY 10001 P: 212.675.8844 F: 212.691.7972 randpc.com

February 4, 2021



6469 Broadway Selfhelp LLC c/o Dorothy Cormier Kern Selfhelp Realty Group 137-47 45th Avenue Flushing, NY 11355

> Re: 6469 Broadway, Bronx Limited Cellar Level Repair Program

Dear Dorothy:

As requested, on January 15, 2021 I visited the above-captioned property to evaluate the existing cellar conditions pursuant to a Limited Cellar Level Repair Program in order to address the reported cellar flooding issue. I was accompanied by Building Superintendent Steve Cornier. This letter incorporates RAND's previous findings, visual survey of the cellar and rear yard, and review of building drawings and project documents made available to RAND prior to the site visit; it provides a brief summary of RAND's findings and recommendations.

RAND is in receipt of the following documents:

- Geotechnical Report, revision dated January 20, 2015 (and prior editions dated between December 14, 2012 and March 29, 2013) including boring logs, prepared by GZA GeoEnvironmental of New York.
- Special Inspection Reports documenting inspection of site preparation, concreting and waterproofing work, and the site storm drainage disposal and detention system dated between November 7, 2014 and January 6, 2015, prepared by Domani Inspection Services and WJE Engineers & Architects P.C.
- As-Built Drawings for New Building at 6469 Broadway dated November 15, 2016 prepared by Dattner Architects.
- Groundwater Monitoring Report summarizing elevation of the water table at six test wells to the east of the building from April 7, 2015 through November 15, 2019, prepared by WCD Group.
- Site Photos documenting conditions within the cellar between March 23, 2017 and September 16, 2020 (Referred to as 'Site Photos' herein).
- Water Sampling Report dated March 5, 2020 prepared by Carlin Simpson & Associates.
- Expert Report Geotechnical Engineering dated October 20, 2020 prepared by Carlin Simpson & Associates (Referred to as 'Expert Report' herein).

6469 Broadway is an 11-story plus cellar mixed residential and commercial building constructed in 2014 in the Riverdale neighborhood of the Bronx (figure 1). The building is enclosed by 6477 Broadway to the north, 6425 Broadway to the south, Broadway to the east and a steep escarpment leading up to the single-family residential area on Post Road to the west. The building features a reinforced concrete structure enveloped in a brick veneer and insulated metal panel facade. The cellar occupies the subgrade level of the building north section, with the first floor approximately level with the sidewalk along Broadway to the east and the rear yard to the west. The rear yard is enclosed by the building to the east, the adjoining buildings to the north and south and a concrete retaining wall to the west.

Our evaluation is based on limited observations of the exposed structural components and finish surfaces, as well as our review of the documents that were made available to RAND. Physical testing and analyses to assess compliance with building codes were not within the current scope of RAND's investigation.

There are no open violations according to the DOB website.



Aerial Photo: Location of building. (Source: Google Maps)

Figure 1. Orientation of the building at 6469 Broadway.

Findings

- At the time of the visit, the cellar was flooded with as much as three to four inches of water at lower areas. Water obscured the majority of the floor surface, preventing visual observation of the concrete slab-on-grade surface.
- The building superintendent has designated areas where water appears to be entering with a painted yellow "W" decal; a total of six areas are marked at various cellar locations. Upon further discussion with the building superintendent, the majority of these decals correspond to low points in the floor where flooding initially begins and the exact points of entry are not known. One location (north end of service access stairwell along west wall, south of the elevator shaft), however, appeared to be at a high point, indicating what appears to be a definite water entry point.
- A vertical crack exhibiting mineral deposits to a height of approximately five feet was observed in the compactor room west foundation wall, to the north of the elevator shaft. This crack appears to be a second definite water entry point.
- According to the Site Photos that were provided, some cracks in the cellar floor were visibly saturated indicating water is entering from below. **One such location appears to be just east of the elevator door, indicating a third definite water entry point**. Of note, the building superintendent believes this to be the lowest point in the cellar and indicated bubbling is commonly visible in this area when flooded.
- The following information was provided by the building superintendent:
 - Water entry appears to be occurring throughout the cellar.
 - Cellar flooding remains long after it rains and has slowly gotten worse over time.
 - Flooding does not recede on its own and is currently being mopped into the elevator pit and removed via the elevator sump pump.
 - The elevator pit is several feet deeper than the cellar floor and it does not appear to be leaking.
 - Adjoining buildings to the north and south do not feature below-grade cellars.
 - The ejector pit in gas room had been modified in an attempt to capture flood water. It is understood that the concrete pit and drain pipe leading from the water room have been breached and the sump pump is not currently operational.
- Grout injection ports were visible along the cellar main corridor indicating that grout injection has been endeavored to alleviate the flooding issue. The extent and specification of the grout injection program are unknown at this time as no documentation for this work was provided.
- According to the Expert Report, the developer Lettire Construction Corporation had proposed installation of a trench drain system beneath the cellar floor. RAND did not receive any documentation of this plan.

- Electrical panels and housing in the electrical meter room rest on concrete curbs elevated several inches above the cellar floor. Flood water presents an immediate risk to essential building infrastructure and must be removed by building maintenance on a daily basis.
- Per the As-Built Drawings, the floor slab is five-inch thick reinforced with welded wire fabric sized WWF6x6-W2.9x2.9 (0.192-inch diameter steel wire spaced six inches both ways). This is characteristic of a typical slab-on-grade and not a floor designed to resist hydrostatic uplift. Based on a preliminary structural analysis, the slab depicted in the foundation drawings fails to meet the required loading. Slab characteristics could not be confirmed visually during the visit.
- The Geotechnical Report states the following:
 - Groundwater level was measured in four existing monitoring wells (installed by others) located throughout the site at approximately 7.1 to 8.7 feet below existing grade. We'd expect that the groundwater is perched on the bedrock surface and that groundwater flow will be limited within competent bedrock. Note that groundwater elevations can fluctuate in response to several factors including seasonal rainfall, infiltration, bedrock elevations, leaking utilities, basement sump pumping and groundwater use.
 - Cellar floor slab should be designed to resist hydrostatic uplift force, assuming that the groundwater elevation is equal to the elevation of the adjacent ground surface. Floor slabs should be constructed on at least 6 inches of Crushed Stone Fill (as described in Table 1) placed directly on the excavated rock surface or on a concrete "mud mat" over the excavated rock surface. The slabs should be designed assuming a modulus of subgrade reaction of 300 pounds per cubic inch (pci).
 - Depth to groundwater was measured at 7.1 to 8.7 feet below existing grade. The proposed structure should be waterproofed in accordance with the Code. Waterproofing should consist of the provision of water stops at all concrete joints, and waterproofing membranes for walls and floor slabs. We recommend using Preprufe waterproofing membranes manufactured by Grace Construction Products, or an equivalent. Preprufe 300R membranes should be used under slabs; Preprufe 160R membranes should be used on walls. Special attention should be given to all joints and wall to slab interfaces. All products should be installed in accordance with manufacturer specifications, connection details, and penetration details (as needed).
 - Due to the reported presence of petroleum contamination in the groundwater at the project site, we do not recommend the installation of a groundwater drainage and collection system. Furthermore, the waterproofing membrane manufacturer should be required to certify that the recommended membrane will be effective in the presence of the reported petroleum contamination, or recommend an alternate product and/or technique that can be similarly certified.
- The As-Built Drawings mostly indicate Grace Preprufe waterproofing of foundation walls and slabs as recommended in the Geotechnical Report. However, some details indicate "iron oxide waterproofing" at floor topside and floor-to-wall joints.

- RAND received only one Special Inspection Report pertaining to the cellar floor slab and associated waterproofing (WJE Special Inspection Report #5 revision dated December 23, 2014). Remaining Special Inspection Reports pertain to the building foundations and not to the cellar slab-on-grade.
- The Expert Report references additional Special Inspection Reports that were not made available to RAND, and summarizes cited waterproofing installation issues as follows:
 - Damage to the waterproofing membrane during the placement of re- bar. The observed damage was repaired with Preprufe tape.
 - Preprufe was observed to be unprotected at several tie-in locations. WJE instructed the contractor to provide proper protection and to follow the specifications for proper tie-in of the Preprufe.
 - *WJE* observed several deficiencies in the waterproofing installation at all locations. The substrate was not "regular and smooth with on gaps or voids grater that 0.5 inches and free of loose aggregate and sharp protrusion" per Grace's application instructions. Standing water was observed in two footing locations, which is unacceptable and water was observed infiltration through taped Preprufe seams. The Preprufe has been installed with excessive play in the membrane; excessive movement during the concrete pour could jeopardize the integrity of the waterproofing membrane at the seams. At tie-in locations, Preprufe membrane had not been extended a minimum 12 inches past the concrete pour which does not allow new Preprufe installation to be able to tie-in to the existing. At areas where this occurred, Preprufe will need to be pulled back from the concrete, concrete cleaned off the membrane, a minimum of 6 inches of Preprufe tape installed, and the new Preprufe tied-in. Concrete Solutions reported the details do not match the field conditions and more information is required from the Architect on the waterproofing installation. Concrete Solutions stated they would remove all deficiently installed waterproofing a Work Areas A and B and await further instruction from the Architect.
 - WJE noted that the high for 19 November was only 37 degrees and Grace recommendations for Bituthene 300 4,000 installation require 40 degrees and above temperatures. Subsequent e-mail correspondence from Grace indicates that Bituthene 4,000 can be installed above 25 degrees F. Lettire and Concrete Solutions reported that Bituthene rolls were being stored in the heated trailer prior to installation. The concrete slab was also being torched dry and to heat the surface temperature of the slab. At the base of the elevator pit, WJE observed standing water near the base of the Bituthene installation. Concrete Solutions was unable to terminate the Bituthene with Liquid Membrane at this location because of the standing water. The standing water needs to be removed, the Bituthene will have to be inspected and repaired where not fully bonded to substrates, and terminated with Liquid Membrane at the Preprufe tie-in. Subsequent photographs submitted by Lettire show that the water was removed.

It was noted in the Expert Report that WJE ultimately confirmed correction of waterproofing installation issues cited above. RAND has not seen documentation of this and the latest Special Inspection Report provided by the Owner.

- The rear yard is enclosed by the building to the east, neighboring buildings to the north and south, and a retaining wall along the west property line at the base of a steep escarpment. The rear yard retaining wall along the west property line appeared to have settled downward as much as four inches near the center-north of the property. This location appears to correspond to locations of known points of water entry into the cellar below and directly to the east.
- Rear yard retaining wall weep holes did not evidence any past drainage. It did not appear that the water level had ever risen beyond the level of wall drainage. According to the As-Built Drawings, the retaining wall footing rests on grade and does not extend down to bedrock. It is likely that water running down the west escarpment is draining beneath the retaining wall and affecting the wall foundation. Washing out of soil supporting the wall could be a cause of the apparent wall settlement.
- Water was observed in the courtyard floor drains (toward the south end of the rear yard) that did not appear to be draining from the yard surface. It appears that water is entering the drain housing from below, potentially through a broken drain line. Similar issues were noted in the cellar, specifically at the compactor room floor drain.
- Moisture damage to building services equipment such as electrical panel housing was observed both along the floor and higher levels. Standing water and moisture damages equipment and must be addressed to prevent further degradation.

Conclusions

<u>Site</u>

The building sits on bedrock directly adjacent to a steep change in grade. The escarpment drains down directly onto the property, with evidence of downward settlement of the west retaining wall, as well as known points of entry into cellar both corresponding to the centernorth of the site along the west side. Adjoining buildings to the north and south reportedly do not have cellars thereby creating a bathtub effect for the cellar in question.

These conditions appear to correspond directly with observations of flooding within the cellar, with water moving down the escarpment beneath the retaining wall and directly into the building foundation. This appears to have been anticipated in the geotechnical report which recommends waterproofing and structural provisions accordingly. Based on visual observations and review of the available documents, it does not appear that all of those recommendations were followed and/or executed correctly.

Waterproofing

The waterproofing beneath the cellar floor is compromised in multiple locations, with points of entry spread over a large area of the cellar. Confirmed points of entry trend toward the west side (specifically, to the north, east, and south of the elevator shaft) although additional points are likely to exist. Installation issues were cited by the Special Inspector and it appears likely, in review of available documents, that not all areas were inspected and/or cited issues corrected. As-Built Drawings specify waterproofing generally as recommended in the Geotechnical Report in a number of details. However, the drawings alternately call out top-side "iron oxide waterproofing" of joints in certain

sections, and in certain instances without depicting any bottom-side waterproofing of the slab, such as in Section 1/Drawing FO-100. This location coincides exactly with both of the known points of entry at the service access stair landing and east of the elevator pit. Of note, this alternate top-side waterproofing appears to only be specified toward the west side of the cellar. Top-side waterproofing of foundations and joints is considered inferior and it is unclear whether this alternate waterproofing was included as a corrective measure during the construction.

<u>Structure</u>

The concrete slab-on-grade forming the cellar floor is sized for a common basement and have not been designed or constructed to resist hydrostatic loads from below as specified in the Geotechnical Report. Observable cracks in the slab-on-grade floor and foundation walls exhibit evidence of water entry. Structural deficiency of the cellar floor slab is a likely contributor of flooding conditions since any flexural cracks can create points of water entry. Such cracks are visible in the Site Photos provided.

The cause of the vertical crack in the compactor room foundation wall is unknown, and although it does not appear to be an indication of a deficiency at this time, installation of crack gauges to monitor for any future movement is advisable. Cracks of this nature can compromise exterior waterproofing (assuming it exists), which can only be comprehensively repaired by excavating the exterior. Grout injection is commonly attempted in such cases prior to endeavoring excavation of exterior soil.

The Expert Report makes note that an extreme rise in water table can cause structural failure of the cellar slab. While the Ground Water Monitoring Report only indicates a rise of a few feet above the cellar floor level, the Geotechnical Report recommends sizing the structure for pressure generated by a water table reaching grade level, approximately nine to ten feet above the cellar floor level. We agree that the possibility of a failure cannot be ruled out in the event that the design water table level identified in the Geotechnical Report is reached, without structural reinforcement.

Remediation efforts

To date, remedial efforts appear to comprise localized grout injection which does not appear to have had an effect. The flooding issue currently requires a major maintenance operation to prevent flooding of equipment in the electrical meter room. The issue appears to be worsening as predicted in the Expert Report and a comprehensive solution must be endeavored as soon as possible.

Overall, our conclusions confirm those drawn in the Expert Report, that the cellar flooding conditions are caused by deficiencies in the cellar floor waterproofing and structure, and that these deficiencies must be addressed in order to correct the condition and prevent further damage to the cellar and essential building systems located therein. Further, we conclude that the site topography and geology impact the local water table significantly (as anticipated in the Geotechnical Report) and that the west side of the property that appears to be affected most is the logical entry point of water into the site by draining down the adjoining escarpment. The courtyard retaining wall serves as the initial barrier to this entry point and while featuring a drainage system, does not appear to extend down to the underlying bedrock and presumably allows drainage beneath the wall foundation. Settlement of the retaining wall appears to support this conclusion and further corresponds to the known entry points along the west of the cellar. Further settlement of the wall is likely under these circumstances; conditions should be investigated and repairs made accordingly. It may be possible to modify the retaining wall during the repair process to reduce the entry of water into the site at this location; this can reduce the fluctuation and overall effect of the water table on the cellar by diverting some of the drainage to the rear courtyard. Known issues with the drainage system, including the gas meter room ejector pit, sump pumps, drains in the compactor room and rear yard should also be investigated and repaired, and the overall system reviewed and modified as needed to correspond with the cellar flooding corrective work.

Recommendations

Further Evaluation

The following measures are recommended prior to specifying corrective work to address the deficiencies identified in this Report:

- The cellar floor should be dewatered and carefully observed visually and sounded with a hammer to confirm the extent of damage to the cellar floor slab.
- Installation of new crack gauges to monitor for any future movement of structural cracks.
- Drainage pipes in the cellar and rear yard should be inspected to identify any failures or defects.
- A test pit into the rear yard to identify the cause of settlement and to investigate the depth of bedrock to further investigate feasibility of cellar flooding repair options.
- If requested, the cellar floor structure can be confirmed as follows:
 - Slab thickness can be confirmed by reviewing previous grout injection reports, or during future grout injection operations. Taking of cores through the floor slab is not recommended as it may exacerbate water entry into the cellar.
 - Concrete reinforcement can be approximated using Ground Penetrating Radar (GPR) which can also approximate slab thickness and identify voids.

Of note, there was no indication in our review that the in-situ floor slab differs from the As-Built Drawings.

Recommended Repairs

The following corrective measures are anticipated at this time, with the recommended scope of work and preliminary budget projections to be confirmed following results of the further evaluation steps outlined above:

1. Installation of a new cellar pressure slab and waterproofing/drainage system atop the existing cellar floor slab, including new sump pits, sump pumps, and connection to the existing drainage system. Work shall include dewatering as required, structural connection to the foundation walls and detailing as needed at interior cellar partitions, reinforcement of waterproofing at all joints, repair/upgrade of the existing drainage system as required, as well as modification/raising and reinstallation of all building services, including but not limited to the electrical meter room.

- 2. Localized grout injection of known/suspected points of water entry along the existing foundation walls and cellar floor slab.
- 3. Underpinning of the rear yard retaining wall in locations of settlement. Work shall include phased excavation and concreting, temporary support, and removal/reinstallation of sufficiently wide sections of the adjoining construction as required. Additionally, and if found to be feasible, extension of the west retaining wall footing down to bedrock and waterproofing of exterior face along the length of the wall may be considered.

Limitations

The contents of this Report are correct to the best of our knowledge and belief. This Report and the conclusions stated herein are limited to actual knowledge based upon limited visual observation of visible portions of the subject areas of the property, undertaken with due diligence, and with visual observations obtained from investigative probes. No physical testing was performed. Comprehensive structural analyses or code review to assess compliance with building codes were not within the scope of RAND's study.

If you have any questions regarding this Report, please do not hesitate to contact me. Thank you for the opportunity to be of service.

> Sincerely, RAND Engineering & Architecture, DPC

I, La DE

Eugene Gurevich, PE Senior Structural Engineer

EG:szt

M201205.cor



Attachment B

Revised Indoor Air Contingency Work Plan



January 14, 2025

Marlen Salazar Division of Environmental Remediation New York State Department of Environmental Conservation 47-40 21st Street Long Island City, New York 11101

via email: marlen.salazar@dec.ny.gov

Re: 6469 Broadway BCP Site Number: C203048 Revised Indoor Air Contingency Work Plan GBTS Project: CB01174

Dear Ms. Salazar:

This Revised Indoor Air Contingency Work Plan for the 6469 Broadway BCP Site ("Site") has been prepared by Gallagher Bassett Technical Services (GBTS) to provide specifications for environmental oversight to be conducted during repair of the cellar slab and includes modifications to the Indoor Air Contingency Work Plan (submitted January 8, 2025) requested by the NYSDOH on January 14, 2025.

Background

The Site entered the NYSDEC BCP in June 2010 (C203048), was redeveloped and remediated, and is currently managed under an approved Site Management Plan (SMP, September 2015). An inspection in May 2019 revealed groundwater seepage in the cellar of the new residential building. The "Summary of Limited Cellar Level Repair Program" (February 2021) issued by Rand Engineering & Architecture, DPC, recommended repairing the cellar slab; construction will require continuous environmental oversight including monitoring of indoor air and groundwater sampling, in accordance with the SMP.

Scope of Work

The following Scope of Work is proposed:

- One (1) baseline indoor air sample will be collected from a centralized location in the cellar prior to construction and be analyzed for volatile organic compounds (VOCs) via USEPA method TO-15.
- One (1) baseline groundwater sample will be collected following the removal of the cellar slab and be analyzed for VOCs via USEPA Method 8260.
- One (1) indoor air sample will be collected from a centralized location in the cellar, following the complete removal of the slab, for VOCs via USEPA method TO-15. Air data will be compared to NYSDOH guidance "air guideline values" and as needed USEPA 2001 BASE 90th percentile data.
- Continuous air monitoring for VOCs will be conducted in accordance with the attached Community Air Monitoring Plan (CAMP).

22 IBM Road, Suite 101 Poughkeepsie, NY 12601 O: 845-867-4715 www.gallagherbassett.com



The CAMP specifies that:

- Continuous monitoring for VOCs will be conducted both within the work zone and at its perimeter. The building features two stairwells that connect the cellar level to the first floor, which houses offices, a residential lobby, a retail facility, and a community facility lobby. The monitoring station within the work zone will be centrally located to align with daily work activities. Perimeter monitoring stations will be positioned at the top of each stairwell, as these locations are closest to potentially exposed individuals and near the ventilation system intakes for adjacent occupied rooms. A Proposed Continuous Air Monitoring Map is attached.
- The general contractor will adhere to best practices for implementing engineering controls, such as vapor barriers, temporary negative pressure enclosures, and/or specialized ventilation devices, to prevent exposure related to work activities.
- The general contractor and Volunteer will ensure that entrance to the work area is restricted to only individuals involved the planned construction work. All other individuals will be excluded from the work zone and surrounding portions of the cellar.

All fieldwork, sampling, and daily reporting will be in conformance with the approved SMP and subsequent directives from NYSDEC.

Please review this document and contact Caroline Clark at (845) 867-4721 if you have any questions or require additional information.

Respectfully submitted,

Gallagher Bassett Technical Services

ma

Caroline Clark Project Manager, Environmental Consultant

Reviewed by,

Gallagher Bassett Technical Services

Scott Spots

Scott Spitzer Technical Director, Environmental Consulting

Attachments: Community Air Monitoring Plan Proposed Continuous Air Monitoring Map



CAMP





COMMUNITY AIR MONITORING PLAN

6469 Broadway

Bronx, New York

NYSDEC BCP Site: C203048

January 2025

GBTS Project: CB01174

Technical Services Division

22 IBM Road, Suite 101., Poughkeepsie, NY 12601 T: 845-452-1658 F: 845-485-7083 www.gallagherbassett.com



COMMUNITY AIR MONITORING PLAN

January 2025 GBTS Project: 21003-0004

Prepared By:

Gallagher Bassett Technical Services 22 IBM Road, Suite 101 Poughkeepsie, New York 12601 Prepared For:

6469 Broadway Selfhelp, LLC C/O Selfhelp Community Services, Inc. 520 Eighth Avenue, 5th Floor New York, New York 10018

The undersigned have reviewed this Community Air Monitoring Plan and certify to 6469 Broadway Selfhelp, LLC and to the New York State Department of Environmental Conservation that the information provided in this document is accurate as of the date of issuance by this office.

An Cr

Caroline Clark Gallagher Bassett Technical Services Environmental Consultant

Scott Spots

Scott Spitzer Gallagher Bassett Technical Services Technical Director – Environmental Consulting



TABLE OF CONTENTS

1.0	INTR	ODUCTION	1
	1.1	Purpose	1
	1.2	Site Location and Fieldwork Area	1
	1.3	Work Activities	1
	1.4	Health and Safety Hazards	1
2.0	AIR N	MONITORING	
	2.1	General Requirements	1
		2.1.1 Continuous Monitoring	2
		2.1.2 Periodic Monitoring	2
		2.1.3 Health and Safety	2
		2.1.4 VOC Monitoring, Response Levels, and Actions	2
	2.2	Special Requirements	3
		2.2.1 Work within 20 Feet of Potential Receptors	3
		2.2.2 Special Requirements for Indoor Work	4
	2.3	Contaminant Control	4
3.0	QUAI	LITY ASSURANCE	4

ATTACHMENTS

Figures NYSDOH Generic CAMP BioSolve Documentation



1.0 INTRODUCTION

1.1 Purpose

This Community Air Monitoring Plan (CAMP) has been developed to provide the requirements and general procedures to be followed by Gallagher Bassett Technical Services (GBTS) and on-Site subcontractors during basement repairs at the 6469 Broadway BCP Site (C203048).

This CAMP requires real-time monitoring for volatile organic compounds (VOCs) at the perimeters of each designated work area and is intended to provide protection for sensitive receptors within the on-Site building, including adjacent occupied rooms and workers. Implementation of the CAMP helps to confirm that work activities did not spread contamination off-Site through the air. The Project Manager or Site Health and Safety Officer (SHSO) may impose other requirements necessary for safe Site operations and protection of potential receptors.

1.2 Site Location and Fieldwork Area

The Site is defined as the property located at 6469 Broadway, Bronx, New York. A map illustrating the Site configuration and proposed air monitoring locations is attached to this CAMP.

1.3 Work Activities

Proposed construction repair/replacement of portions of the cellar slab.

1.4 Health and Safety Hazards

Elevated concentrations of VOCs are present in groundwater. The possibility exists for on-Site personnel to have contact with contaminated groundwater and/or vapor during construction activities. Contact with contaminated substances may present a skin contact, inhalation and/or ingestion hazard.

2.0 AIR MONITORING

2.1 General Requirements

The implementation of the CAMP will document the presence or absence of VOCs in the air surrounding the work zone, which may migrate into adjacent occupied rooms due to construction activities. Monitoring will be conducted: 1) at all times that fieldwork activities that are likely to generate emissions are occurring; and, 2) for the duration of all ground intrusive and soil handling activities.

This plan provides guidance on the need for implementing more stringent emission controls based on air quality data.



2.1.1 Continuous Monitoring

Real-time air monitoring for VOCs levels at the perimeter of the exclusion zone or work area will be performed according to the NYSDOH Generic Community Air Monitoring Plan (provided as an Attachment), and in accordance with the special requirements presented below, during all ground intrusive activities and any other fieldwork that is reasonably likely to generate significant vapors from known or suspected contaminated soils. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, excavation, and the installation of the new cellar slab.

2.1.2 Periodic Monitoring

Periodic monitoring for VOCs will be performed during non-intrusive activities such as the collection of vapor and groundwater 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.

2.1.3 Health and Safety

Photoionization detector (PID) readings consistently in excess of CAMP limits will be used as an indication of the need to initiate personnel monitoring, increase worker protective measures, and/or modify or cease on-Site operations in order to mitigate off-Site community exposure. PID readings that consistently exceed background in the breathing zone (during any proposed tasks) will necessitate moving away from the source or implementing a higher level of personal protective equipment (concentrations of VOCs in the air are expected to be below the OSHA Permissible Exposure Limits [PELs]).

2.1.4 VOC Monitoring, Response Levels, and Actions

VOCs will be monitored at the perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis during invasive work. Concentrations will be measured at the start of each workday and periodically thereafter to establish background conditions. 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 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 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 from the exclusion zone, or half the distance to the nearest potential receptor or occupied 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 shut down.

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

2.2 Special Requirements

2.2.1 Work within 20 Feet of Potential Receptors

When work areas are within 20 feet of potentially exposed populations or occupied structures, the continuous monitoring locations for VOCs and particulates must reflect the nearest potentially exposed individuals and the location of ventilation system intakes for nearby structures. The use of engineering controls such as vapor barriers, temporary negative pressure enclosures, or special ventilation devices should be considered to prevent exposures related to the work activities and to control odors. Consideration should be given to implementing the planned activities when potentially exposed populations are at a minimum, such as during weekends or evening hours in non-residential settings.

If total VOC concentrations opposite the walls of occupied structures or next to intake vents exceed 1 ppm, monitoring should occur within the occupied structure(s). Depending upon the nature of contamination, chemical-specific colorimetric tubes of sufficient sensitivity may be necessary for comparing the exposure point concentrations with appropriate pre-determined response levels (response actions should also be predetermined). Background readings in the occupied spaces must be taken and discussed with NYSDOH prior to commencement of the work.

If total particulate concentrations opposite the walls of occupied structures or next to intake vents exceed 150 mcg/m³, work activities should be suspended until controls are implemented and are successful in reducing the total particulate concentration to 150 mcg/m³ or less at the monitoring point.



Depending upon the nature of contamination and remedial activities, other parameters (e.g., explosivity, oxygen, hydrogen sulfide, and carbon monoxide) may also need to be monitored. Response levels and actions should be pre-determined, as necessary, for each site.

2.2.2 Special Requirements for Indoor Work

Unless a self-contained, negative-pressure enclosure with proper emission controls will encompass the work area, all individuals not directly involved with the planned work must be absent from the room in which the work will occur. Monitoring requirements shall be as stated above under Section 2.2.1, except that in this instance "nearby/occupied structures" would be adjacent occupied rooms.

The location of all exhaust vents in the room and their discharge points, as well as potential vapor pathways (openings, conduits, etc.) relative to adjoining rooms, should be understood and the monitoring locations established accordingly. In these situations, it is strongly recommended that exhaust fans or other engineering controls be used to create negative air pressure within the work area during remedial activities.

Additionally, it is strongly recommended that the planned work be implemented during hours (e.g., weekends or evenings) when building occupancy is at a minimum.

2.3 Contaminant Control

If Site activities expose impacted soil or other media under conditions likely to generate vapor emissions creating a public nuisance or that could pose a health hazard to workers and the general public, the fieldwork team must be prepared to stop work in order to evaluate appropriate response actions, which may include the use of an odor/vapor suppressant, such as BioSolve[®], capable of suppressing vapor release from soil surfaces (see attached documentation), or limiting work to cooler or less windy times of day.

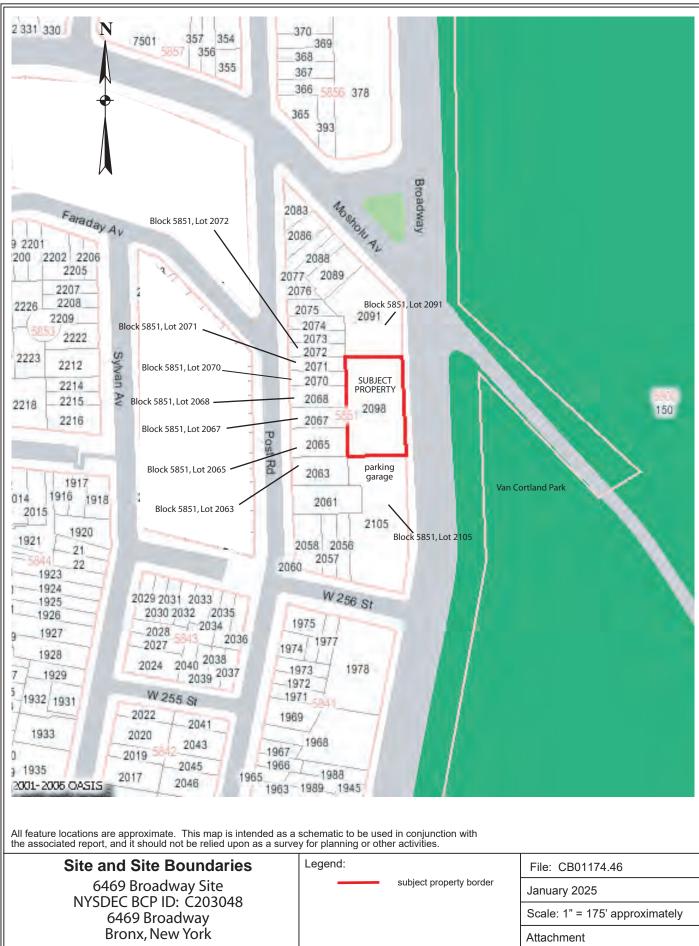
3.0 QUALITY ASSURANCE

All instruments will be properly calibrated before the start of fieldwork, with periodic calibration checks as necessary. All equipment will be operated in accordance with the manufacturer's recommendations and the operator's manual. The fieldwork manager will review all data and take appropriate actions based on the requirements in Section 2 of this CAMP. A record of all calibration events, and any unusual occurrence that affect CAMP data, will be recorded in the project field log book. Instrument calibration shall be documented in the designated field logbook. Exceedances of action levels observed during performance of the CAMP will be reported to the NYSDEC Project Manager and included in the Daily Report.

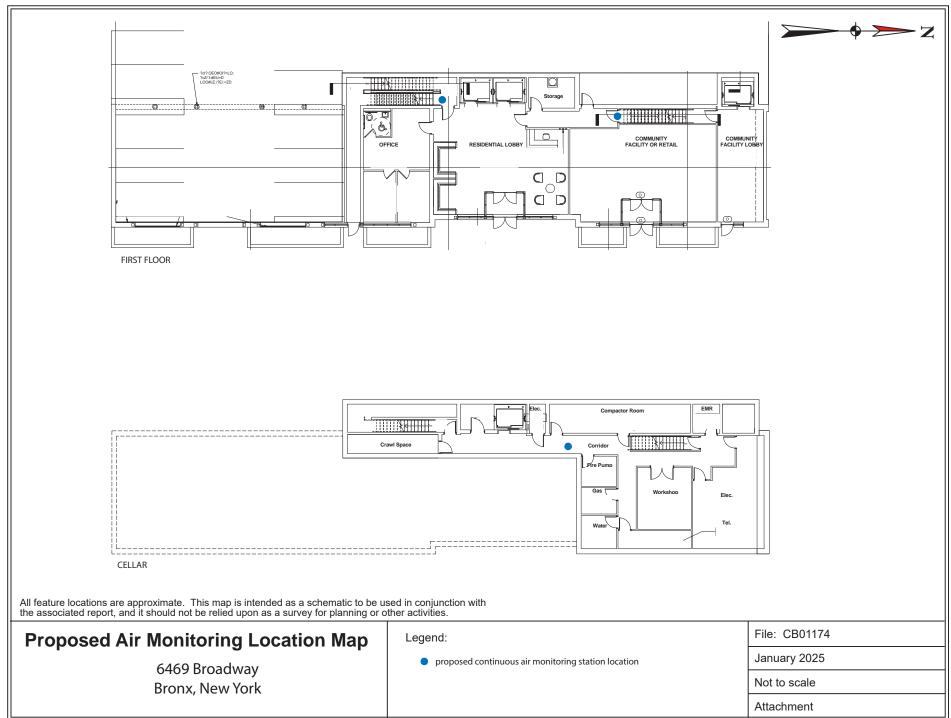


Figures











CAMP

Appendix 1A New York State Department of Health Generic Community Air Monitoring Plan

Overview

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

The generic CAMP presented below will be sufficient to cover many, if not most, sites. Specific requirements should be reviewed for each situation in consultation with NYSDOH to ensure proper applicability. In some cases, a separate site-specific CAMP or supplement may be required. Depending upon the nature of contamination, chemical- specific monitoring with appropriately-sensitive methods may be required. Depending upon the proximity of potentially exposed individuals, more stringent monitoring or response levels than those presented below may be required. Special requirements will be necessary for work within 20 feet of potentially exposed individuals or structures and for indoor work with co-located residences or facilities. These requirements should be determined in consultation with NYSDOH.

Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas.

Community Air Monitoring Plan

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for VOCs and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring. If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate DEC/NYSDOH staff.

Continuous monitoring will be required for all <u>ground intrusive</u> activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during <u>non-intrusive</u> 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 might reasonably 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. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required 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.

VOC Monitoring, Response Levels, and Actions

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

1. 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 must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.

2. 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 must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can 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.

3. If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.

4. All 15-minute readings must be recorded and be available for State (DEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should 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 must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

1. 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 must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m³ above the upwind level and provided that no visible dust is migrating from the work area.

2. If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m³ above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m³ of the upwind level and in preventing visible dust migration.

3. All readings must be recorded and be available for State (DEC and NYSDOH) and County Health personnel to review.

December 2009



BioSolve Documentation





Page 1 of 6

Section 1 – Chemica	I Products and Com	pany Identification
Product Names:	BioSolve [®] Pinkwater [®]	9
Product Uses:	Remediation of hydrocarbon (oil, fuel, petrochemical) contamination, including: impacted soils, suppression of VOCs, decontamination of equipment and protective clothing, and surface washing	
Manufacturer:	The BioSolve Company 24 Victory Lane Dracut, MA 01826 USA	
Contact Information:	+1 (800) 225-3909 +1 (781) 482-7900	US, Canada, Mexico and Puerto Rico All other locations

Section 2 – Hazards Identification

Health Hazards:	Skin Contact:	Causes transient eye irritation May cause mild, transient irritation May be harmful if swallowed; can cause gastrointestinal irritation, nausea, vomiting and/or diarrhea
Hazard Mitigation:	Wear protective gloves and eye/face protection Avoid prolonged breathing of spray	
Environmental Hazards:	Moderately toxic to aquatic life. Avoid discharge to storm drains and waterways	
GHS Classification:	Toxic to aquatic lif	fe, Acute Category 2

Section 3 – Composition/Information on Ingredients

Proprietary formulation with nonionic surfactants (32% active ingredients in water)

BioSolve products contain no caustic, d-limonene or hydrocarbon solvents.

BioSolve products do not contain any hazardous ingredients as defined by CERCLA, Massachusetts Right to Know Law and California Prop 65. All ingredients are TSCA compliant.





Page 2 of 6

Section 4 – First Aid Measures

Eyes:	Immediately flush eyes with water for at least 15 minutes. Hold eyelids
	apart while flushing to rinse entire surface of eye and lids with water.
	Seek medical attention for lasting irritation.
Skin:	Rinse exposed area and wash with mild soap and water for several

Skin: Rinse exposed area and wash with mild soap and water for severa minutes. Seek medical attention if irritation develops.

Ingestion: Seek medical attention in the event of serious or persistent abdominal discomfort, nausea or diarrhea.

Inhalation: Inhalation of concentrated vapors resulting from spraying or heating in confined or poorly ventilated areas may cause irritation of nose and throat. Remove person to fresh air and seek medical attention if irritation persists.

Section 5 – Fire Fighting Measures

Suitable Extinguishing Media: None required; BioSolve products are non-flammable

Special Protective Equipment for Firefighters: None necessary

Unusual Fire or Explosive Hazards: None

Section 6 – Accidental Release Measures

In case of accidental release, breakage or leakage: Eliminate or contain source with inert material, such as sand, earth, absorbent pads, etc. Transfer liquid to suitable containers for recovery, re-use or disposal. Wipe up or mop up using water. Hard surfaces (e.g., floors, driveways) may be slippery; use care to avoid falling.

Rinse area with water. Avoid flow of run-off to surface waters. Always check with local regulations before discharging effluent to storm drains or sewers.

Section 7 – Handling and Storage

Handling:	Minimize periods of exposure to extreme temperatures. Keep from freezing. If frozen, separation may occur; thaw and stir thoroughly prior to use. Freezing will not affect product performance.
Precautions:	Chemical resistant gloves and eye protection are recommended while
	mixing and using.
	Avoid contact with strong acids or strong oxidants.
Storage:	Recommended storage temperature: $35^{\circ} - 120^{\circ} \text{ F} (1^{\circ} - 48^{\circ} \text{ C})$.
Shelf Life:	If unopened, more than 10 years.





Page 3 of 6

Section 8 – Exposure Controls / Personal Protection

Eyes Protection:	Safety glasses; chemical goggles or face shield recommended when
	spraying to protect against backsplash and drift.
Skin Protection:	Rubber or latex gloves recommended.
Respiratory	None required, except if application results in significant misting of
Protection:	product. If so, use of an approved air purifying respirator is
	recommended.
Engineering	For indoor use or for use in a confined space, normal ventilation is
Controls:	generally satisfactory.

Section 9 – Physical and Chemical Properties

Appearance:	Deep red
Odor:	Mild, pleasant sassafras fragrance
Concentration:	~32% active ingredients as sold

Boiling Point	265°F/129°C	Vapor Pressure mm/Hg	Not available
Melting/Freezing Point	28°F/-2°C	Vapor Density (Air=1)	Not available
Flash Point	Non-flammable	Surface Tension*	29 Dyne/cm @25°C
Flammability Limits	Not applicable	Viscosity (concentrate)	490 centipoise
Reactivity with Water	None	Viscosity (6% solution)	1.5 centipoise
Evaporation Rate	Not determined	Solubility in Water	100%
Specific Crowity	1.01 gms/cc	VOC Content	Not determined
Specific Gravity	8.43 lbs/U.S. gal	рН	9
*(0/ 1+:			

*6% solution

Section 10 – Stability and Reactivity

Chemical Stability:	Stable; will not decompose if used according to manufacturer's directions.
Conditions to Avoid:	Prolonged exposure to heat may cause product degradation. Freezing should also be avoided as discussed in Section 7.
Incompatible Materials:	Normally unreactive. Avoid strong alkalis, strong acids, strong oxidizing agents and materials with reactive hydroxyl compounds. These materials could damage the product and reduce its effectiveness during application.
Decomposition Products:	None are known. Will not occur.





Page 4 of 6

Section 11 – Toxicological Information

Overview:	No adverse acute or chronic health effects expected if product used in
	accordance with manufacturer's directions.
Carcinogenicity:	No ingredient has been shown to cause cancer in laboratory animals.
Specific Organ	None are known.
Toxicity:	

Section 12 – Ecological Considerations

Persistence and Degradability:	The total of the organic components contained in this product is not classified as readily biodegradable (OECD-301 A-F). However, this product is inherently biodegradable with 60% degradation in 28 days (OECD-301B) and estimated >95% degradation in 120 days.		
Bioaccumulation	The bioaccumulation factor in f	ish has been est	timated to be low,
Potential:	ranging from 87 to 344.		
Mobility:	No data available		
Aquatic Toxicity:	LC ₅₀ of Concentrate (As shipped)		
	Mysidopsis bahia	48-hours	3.6 mg/L
	Menidia beryllina	96-hours	6.4 mg/L
	LC50 of 3% Dilute Solution (As Used)		
	Mysidopsis bahia	48-hours	185 mg/L
	Menidia beryllina	96-hours	247 mg/L
LC50 of 6% Dilute Solution (As Used)			
	Daphnia magna	48-hours	287 mg/L
	Pimephales promelas	96-hours	124 mg/L
	Onchorhynchus mykiss 96-hours 177 mg/L		
ction 13 - Disposa			

Secti

DO NOT DUMP INTO STORM DRAINS OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. As manufactured, BioSolve products do not meet the definition of a hazardous waste. Small quantities of unused and uncontaminated product may be discharged to a qualified wastewater treatment facility. Always obtain approval from local and Federal regulatory agencies prior to discarding this product into public sewers.

As your supplier, we have no control over your handling and use of this product. However, the intended use of this product as a remediation and/or surface washing agent may produce wastewater containing emulsified or dispersed hydrocarbons that may be classified as a hazardous waste and should be treated and disposed of accordingly.





Page 5 of 6

Section 14 – Transportation Information

USDOT Freight Class 55 (Liquid Cleaning Compound, Non-Hazardous) This product is not regulated by USDOT or Canadian TDG when shipped domestically by land.

North American Industry Classification System (NAICS) # 325613

U.S. ITC, Harmonized Tariff Schedule B Classification: 3402.90.30.00

Section 15 – Regulatory Information

This product is considered non-hazardous as defined by CERCLA, according to OSHA, Massachusetts Right to Know Law and California Prop 65.

Toxic Substances Control Act:	All components of this product are on the TSCA inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30.	
CEPA – Domestic Substances List:	All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or not required to be listed.	
Canadian CPR Compliance:	This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR	
WHMIS Classification:	D2B	Eye or skin irritant

Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with Federal, state or provincial and local laws.





Page 6 of 6

Section 16 – Other Information

HMIS Rating	Fire Hazard: Reactivity: Personal Protective	•
NFPA Rating	Health: Flammability: Reactivity: Other Hazard:	0

BioSolve Pinkwater is on the US Environmental Protection Agency's NCP Product Schedule. This listing does NOT mean that EPA approves, recommends, licenses, certifies or authorizes the use of BioSolve Pinkwater on an oil discharge. This listing means only that data have been submitted to EPA as required by Subpart J of the National Contingency Plan, 40 CFR Section 300.915.

SDS Effective Date: January 1, 2018

The information contained herein is accurate to the best of our knowledge. The BioSolve Company makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or application or in combination with other substances.

For more information, visit: <u>www.biosolve.com</u>





WATER-BASED HYDROCARBON MITIGATION AGENTS TM

- » Reduces Volatility
- » Increases Solubility
- » Accelerates Biodegradation

The leading specialty surfactant formulation used by professionals to mitigate contamination from oil, fuel and other hydrocarbons



Used Worldwide by Environmental & Industrial Contractors, Utilities & Municipalities

BioSolve.com





Authorized BioSolve Distributor

D









BioSolve PINKWATER, brand leader and industry workhorse for over 30 years. Formulated with our signature magenta dye for traceability. Sold only as a concentrate.

BioSolve CLEAR, same concentration and performance as Pinkwater, without traceable magenta dye.

NEW BioSolve Activator, formulated as a high performance emulsification surfactant for improved soil remediation. Meets EPA's Safer Choice Standard as well as OECD standard for Ready Biodegradability.

BioSolve FOGwash, same concentration and performance as Pinkwater, with no fragrance and less color. FOGwash is formulated for professional use in both commercial & industrial kitchens. (Sold only in cases/gallons.)

BioSolve products sold in:

Units	US Gallons	Liters	Pallet
Tote	275	1,041	1 unit
Drum	55	208	4 units
Pail	5	19	24 units
Case	4 x 1G	4 x 3.8L	27 units

TO ORDER CALL 800 225-3909



The BioSolve Company Lexington, MA 02420 USA 781 482-7900 info@biosolve.com

BioSolve.com

APPLICATIONS





Vapor Suppression & Odor Control >> PINKWATER • ACTIVATOR

Diluted in large mixing tanks, Pinkwater and Activator are used at major remediation and construction work-sites where excavation of contaminated soils may release noxious organic odors or hazardous VOCs. The dilute solution is sprayed directly onto newly exposed soil surfaces or stockpiles of contaminated material where volatilization is taking place. Used as an alternative to foam, our products create a barrier that keeps vapors in the soil, allowing work to continue safely without disruption to workers or neighbors.

Soil Remediation >> ACTIVATOR • PINKWATER

In-situ, a dilute solution is injected into contaminated subsurface zones to mobilize and solubilize NAPL trapped in the soil. The effluent is then extracted under careful hydraulic control and treated prior to discharge. For ex-situ remediation or soil washing, Pinkwater and Activator are used as washing agents to remove hydrocarbons. Following the wash, soil is rinsed, dried and returned to grade. On bioremediation or land farming projects, the ability to micro-emulsify hydrocarbons results in enhanced bioavailability for naturally occurring hydrocarbon degrader bacteria. This dramatically accelerates the biodegradation process.

Tank Cleaning & Degassing >> PINKWATER

Pinkwater is a standard component in cleaning/degassing protocols for oil and fuel tanks of all sizes. High pressure spray application of Pinkwater solution to tank walls and internal structures rapidly reduces LEL (Lower Explosive Limits) readings, improves worker safety and sharply reduces project turnaround time. Pinkwater solution is also sprayed/mixed into sludge to knock down vapor levels and convert sludge into a pumpable aqueous solution.

Emergency Spill Response >> PINKWATER

BioSolve Pinkwater eliminates fire and explosion hazard when sprayed directly onto a fuel/oil spill. Aggressive agitation reduces volatilization and causes LEL readings to immediately decline, possibly registering "0." Application of Pinkwater also facilitates roadway cleanup and elimination of hazardous oil sheen.

Equipment Decontamination >> PINKWATER • CLEAR

Used for cleaning/decontaminating tools and equipment at remediation sites, in refineries, on drilling rigs, following spill cleanup, and in industrial maintenance operations. Generally applied with standard pressure washing equipment, most oil and tar build-up can be washed away on contact. For more severe contamination, a hot water spray system may be required.

HOW DO BIOSOLVE PRODUCTS WORK?

BioSolve products are water-based surfactant formulations engineered to aggressively "grab" hydrocarbon molecules and hold them in an aqueous solution, called an emulsion. When applied as a dilute solution and agitated, the formulation first mobilizes hydrocarbons, pulling them away from hard surfaces (e.g., metal, concrete, asphalt) or releasing them from soil, and then solubilizes hydrocarbons in an emulsion that can be removed with water. The emulsion is non-volatile and readily degraded.

This functionality enables BioSolve products to be effective across a wide range of applications where increased solubility, reduced volatility and/or accelerated biodegradation is required for removing or remediating oil and fuel contamination. Pinkwater, Activator and Clear are typically applied as a 1% to 8% solution. Agitation may be provided by a pressure washer, pump, brush, water hose, jet sprayer or mixer.

"Shell is purchasing BioSolve Pinkwater for only one reason, because it works"

Pat Agbo Head of Oil Spill Response Shell Oil Upstream International Port Harcourt, Nigeria

"Your product performed exactly as advertised"

David Turner Colonial Pipeline Alpharetta, Georgia "The loading dock was caked with hydraulic oil and had a grotesque odor. The Pinkwater worked brilliantly. When those guys were finished, it literally smelled clean."

Mike Dimino The Seneca Companies Denver Colorado "BioSolve Pinkwater helped mitigate a big VOC emission issue, assisting in eliminating citizen complaints and keeping the project on schedule."

Shouvik Gangopadhyay ECC Senior Project Manager Nordlys Environmental, LP Sydney Tar Ponds Project » PROVEN EFFECTIVE » EASY TO USE » SAFE FOR WORKERS & ENVIRONMENT

🔁 Water-based 😽 Biodegradable

COMMON USES

Suppression of Volatile Organic Vapors In-Situ/Ex-Situ Remediation of Contaminated Soil Bioremediation of Contaminated Soil Hazardous Spill Containment & Cleanup Solubilization of Sludge & Grease Oil/Fuel Storage Tank Cleaning & Degassing Equipment & Hard Surface Decontamination Paraffin Control in Oil Wells



BioSolve products contain no caustic, d-limonene or hydrocarbon solvents. Products do not contain any hazardous ingredients as defined by CERCLA, OSHA (29 CFR 1910.1200), Massachusetts Right to Know Law, and California Proposition 65. Products are rated by DOT as Class 55, non-hazardous.

BioSolve Pinkwater is on the U.S. Environmental Protection Agency's NCP Product Schedule. This listing does NOT mean that EPA approves, recommends, licenses, certifies, or authorizes the use of BioSolve Pinkwater on an oil discharge. This listing means only that data have been submitted to EPA as required by Subpart J of the National Contingency Plan, 40 CFR Section 300.915.



Pinkwater and Activator are not listed as bioremediation agents on the EPA National Contingency Plan and therefore are not to be used for bioremediation purposes on or near the shorelines of navigable waters within the US.

This material is made available for use by professionals or persons having the proper technical skills. The statements made herein are guidelines only and may require modification to accommodate site specific conditions. Nothing contained herein is a warranty or is to be taken as a license to use without proper instruction and supervision. BioSolve products should always be used in accordance with applicable federal, state and local rules and regulations

Case Studies, Information Sheets, Application Protocols & SDS are available on request

"I am very impressed with your product's ability to clean everything from invert and gel drilling mud to hydraulic oil."

Colby Simpson Hot Flash Oil Field Services Alberta Canada "BioSolve clearly outperformed everything else we have tried. I'm a real believer in the product."

Lane Altenbaumer Specialized Maintenance Services, Carylon Corporation Pasadena, TX Used by 'Fire Department of New York' Hazmat Units (for emergency response) and 'New York City Transit' (for parts cleaning) for over ten years.

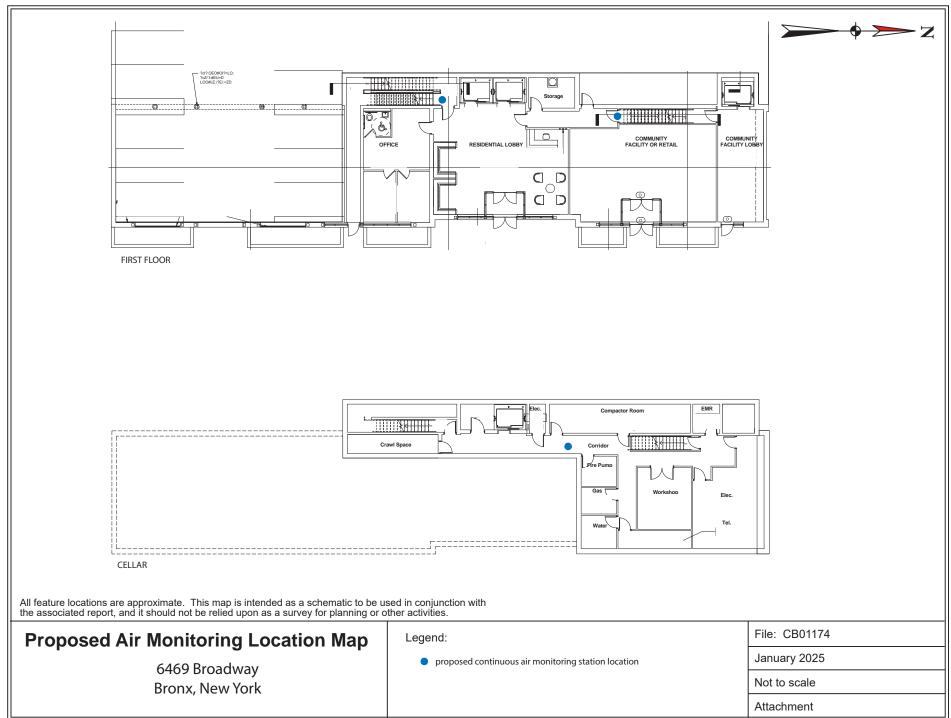


BioSolve.com



Proposed Continuous Air Monitoring Map







Attachment C

Limited Cellar Level Repair Program

LIMITED CELLAR LEVEL REPAIR PROGRAM 6469 BROADWAY, BRONX, NY 10471

GENERAL NOTES

- ALL DIMENSIONS ARE SUBJECT TO FIELD VERIFICATION OF THE EXISTING BUILDING AND THE CONTRACTOR'S COORDINATION BETWEEN TRADES. THE CONTRACTOR SHALL CHECK AND VERIFY ALL CONDITIONS AND DIMENSIONS AND REPORT ANY DISCREPANCIES TO RAND PRIOR TO STARTING THE WORK. THE CONTRACTOR SHALL OBTAIN THE LATEST COPIES OF APPROVED PLANS AND SURVEYS AND THEY SHALL FAMILIARIZE THEMSELVES THOROUGHLY WITH THESE PLANS BEFORE COMMENCING ANY WORK.
- 2. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS PERTAINING TO THIS ALTERATION, AND ALL OTHER APPROVALS AS REQUIRED BY LAW FOR THE CONSTRUCTION. ALL PERMITS SHALL BE CONSPICUOUSLY DISPLAYED AT THE SITE IN A LOCATION OPEN TO PUBLIC INSPECTION THROUGHOUT THE DURATION OF THE WORK.
- 3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION SITE SAFETY AS WELL AS THE MEANS AND METHODS OF CONSTRUCTION. ALL SAFEGUARDS DURING CONSTRUCTION AND/OR DEMOLITION REQUIRED BY CHAPTER 33 OF THE 2022 NEW YORK CITY BUILDING CODE SHALL BE IMPLEMENTED. IF REQUIRED BY CHAPTER 33, THE CONTRACTOR SHALL EMPLOY A LICENSED DESIGN PROFESSIONAL
- 4. A TENANT PROTECTION PLAN (TPP) IS REQUIRED FOR ANY BUILDING ALTERATION PROJECT DURING WHICH ANY UNIT WILL BE OCCUPIED. THE TPP SHALL BE IN ACCORDANCE WITH SECTION 120 OF THE NYC ADMINISTRATIVE CODE. THE BUILDING IS CLASSIFIED AS MIXED RESIDENTIAL & COMMERCIAL BUILDING AND AS SUCH WILL CONTAIN DWELLING UNITS THAT WILL BE OCCUPIED DURING CONSTRUCTION. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE PROVISIONS REGARDING TENANT SAFETY, AS DELINEATED BELOW, AS WELL AS REGULATIONS SET FORTH IN THE NYS MULTIPLE DWELLING LAW AND NYC HOUSING MAINTENANCE CODE, TO INCLUDE BUT NOT BE LIMITED TO, TEMPORARY FIRE-RATED ASSEMBLIES, OPENING PROTECTIVES, AND DUST CONTAINMENT PROCEDURES
- 5. ALL STRUCTURAL WORK HAS BEEN DESIGNED AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE 2022 NEW YORK CITY BUILDING CODE. THE ORIGINAL CONSTRUCTION OF THE BUILDING WAS CIRCA 2014.
- ALL ELEVATIONS ARE REFERENCED TO THE BRONX BOROUGH BUREAU DATUM WHICH IS 2.608 FEET ABOVE MEAN SEA LEVEL AT SANDY HOOOK AS ESABLISHED BY THE U.S. COAST & GEODETIC SURVEY, 1929
- THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SHORING/BRACING AS REQUIRED FOR SUPPORT OF ALL LOADS THAT MAY BE IMPOSED UPON THE STRUCTURE DURING DEMOLITION AND/OR CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL EMPLOY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK FOR DESIGN, DETAILING AND SEQUENCING OF ALL SHORING, BRACING AND RELATED WORK AND SHALL BE RESPONSIBLE FOR SUBMITTING SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS FOR ALL TEMPORARY STRUCTURES FOR REVIEW AND ACCEPTANCE BY RAND. RAND'S REVIEW SHALL BE LIMITED TO EVALUATING THE IMPACT OF THE SHORING ON THE PERMANENT STRUCTURE.
- 8. THE PROJECT IS LOCATED MORE THAN 200 FEET FROM ANY NYC TRANSIT AUTHORITY, METROPOLITAN TRANSPORTATION AUTHORITY OR PORT AUTHORITY OF NEW YORK AND NEW JERSEY SUBWAY OR TUNNEL. NOTIFICATION IS NOT REQUIRED BASED UPON NYC BC 3304.3.5.

TENANT SAFETY NOTES PROTECTION

- NOTING ESTABLISHED EXCEPTIONS AS PER AC 28-120.1.
- 28-120.1.
- AS PER AC 28-120.1.
- PER AC 28-120.1.

REQUIRED INSPECTIONS

- TO NOTIFY RAND OF DISCREPANCIES IN A TIMELY MANNER.
- RAND, AS WELL AS PROVIDE ACCESS AND CORRECT DEFICIENCIES.
- SHALL BE SUBMITTED TO RAND, THE OWNER, AND THE SPECIAL INSPECTOR.

SPECIAL INSPECTIONS

- 1. CONCRETE CAST-IN-PLACE BC 1705.3
- 2. MASONRY BC 1705.4
- 3. SUBGRADE INSPECTION BC 1705.6
- 5. TENANT PROTECTION PLAN COMPLIANCE INSPECTION- BC 1705.26
- 6. CONCRETE DESIGN MIX (TR3)- BC 1905.3
- 7. CONCRETE SAMPLING AND TESTING (TR2)- BC 1905.6, BC 1911.10 8. POST-INSTALLED ANCHORS - BC 1705.37

PROGRESS INSPECTIONS

1. FOOTING AND FOUNDATION -BC 110.3.1 2. FINAL INSPECTION - 28-116.2.4.2, BC 110.5,

ENERGY CODE PROGRESS INSPECTIONS

THE ALTERATION IS EXEMPT FROM NYC ENERGY CONSERVATION CODE PROVISIONS ACCORDING TO ECC 101.2.5, EXCEPTION #4: ALTERATIONS, RENOVATIONS OR REPAIRS TO WALLS AND FLOORS IN CASES WHERE THE EXISTING STRUCTURE IS WITHOUT FRAMING CAVITIES AND NO NEW CAVITIES ARE CREATED.

1. THE CONTRACTOR SHALL RETAIN A REGISTERED DESIGN PROFESSIONAL LICENSED IN THE STATE OF NEW YORK TO PREPARE A TENANT PROTECTION PLAN AS REQUIRED BY THE DOB FOR ANY ALTERATION, CONSTRUCTION, OR PARTIAL DEMOLITION OF BUILDINGS IN WHICH ANY DWELLING UNIT WILL BE OCCUPIED DURING CONSTRUCTION INCLUDING NEWLY CONSTRUCTED BUILDINGS THAT ARE PARTIALLY OCCUPIED WHERE WORK IS ONGOING.

2. 2THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A SIGNED STATEMENT CERTIFYING THAT THE TENANT PROTECTION PLAN PREPARED BY THE REGISTERED DESIGN PROFESSIONAL LICENSED IN THE STATE OF NEW YORK COORDINATES WITH THE SCOPE OF WORK INTENDED AND SHALL ENSURE THAT THE TENANT PROTECTION PLAN IS FILED WITH THE DOB AND THAT SUCH PLAN BE APPROVED BY THE DOB PRIOR TO REQUEST FOR A WORK PERMIT PER AC

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISTRIBUTING TO EACH OCCUPIED DWELLING UNIT THE TENANT PROTECTION PLAN NOTICE TO OCCUPANTS, AND POST IN THE LOBBY AND ON EACH FLOOR WITHIN TEN FEET OF THE ELEVATOR, OR IF THE BUILDING DOES NOT HAVE AN ELEVATOR, WITHIN TEN FEET OF OR IN THE MAIN STAIRWELL ON EACH FLOOR

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISTRIBUTING TO EACH OCCUPIED DWELLING UNIT A SAFE CONSTRUCTION BILL OF RIGHTS NOTICE OR POST IN THE LOBBY AND 1) ON EACH FLOOR WITHIN TEN FEET OF THE ELEVATOR, OR 2) IF THE BUILDING DOES NOT HAVE AN ELEVATOR, WITHIN TEN FEET OF OR IN THE MAIN STAIRWELL ON EACH FLOOR AS

5. AT LEAST 5 DAYS BEFORE WORK IS SET TO BEGIN, THE CONTRACTOR MUST ADVISE THE OWNER IN WRITING OF THE OWNER'S OBLIGATION TO NOTIFY THE DOB AT LEAST 3 DAYS BEFORE STARTING ANY WORK REQUIRING A TENANT PROTECTION PLAN AS PER AC 28-120.1

1. SPECIAL AND PROGRESS INSPECTIONS MUST BE PERFORMED IN ACCORDANCE WITH CHAPTER 17 OF THE 2022 NEW YORK CITY BUILDING CODE. THE SPECIAL INSPECTION PROGRAM MUST BE CONDUCTED BY A NYC DOB REGISTERED SPECIAL INSPECTION AGENCY. THE SPECIAL INSPECTION AGENCY MUST BE AWARE OF THE RESPONSIBILITIES LISTED IN NYCBC SECTION 1704.1.1.3 AND ESTABLISH PROCEDURES

2. THE CONTRACTOR SHALL NOTIFY THE SPECIAL INSPECTOR IN WRITING AT LEAST 72 HOURS IN ADVANCE OF A REQUIRED INSPECTION AS REQUIRED BY NYCBC SECTION 1704.1.1.3. THE CONTRACTOR SHALL BE AWARE OF THE RESPONSIBILITIES LISTED IN NYCBC SECTION 1704.1.1.3 AND PROVIDE ALL REQUIRED DOCUMENTATION TO

3. TESTING SERVICES SHALL BE PERFORMED BY A TESTING LABORATORY ACCREDITED BY NVLAP OR IAS IN ACCORDANCE WITH ISO 17025. TESTING LABORATORY SHALL BE ENGAGED BY THE OWNER AND APPROVED BY RAND. COPIES OF ALL TEST RESULTS

4. STRUCTURAL STABILITY - ALTERATIONS OF EXISTING BUILDINGS- BC 1705.25.1

SCOPE OF WORK

_____ STRUCTURAL

- REMOVE THE EXISTING CELLAR FLOOR SLAB AND REPLACE WITH NEW PRESSURE SLAB AS RECOMMENDED IN THE GZA 1/20/2015 GEOTECHNICAL REPORT.
- EXCAVATE EXISTING EARTH MATERIALS, ROCK AND SUB-SLAB CONSTRUCTION TO ACCOMMODATE NEW PRESSURE SLAB INCLUDING VIBRATION MONITORING.
- PROVIDE WATERPROOFING BELOW THE NEW PRESSURE SLAB. TEMPORARILY SUPPORT EXISTING CMU PARTITIONS AND PROTECT UTILITIES AS REQUIRED.
- PROVIDE TEMPORARY DEWATERING AS REQUIRED.
- GEL-INJECT EXISTING CONCRETE WALLS WITH ACTIVE WATER INFILTRATION.
- REPAIR WEST RETAINING WALL FENCE ANCHORAGE AS REQUIRED.

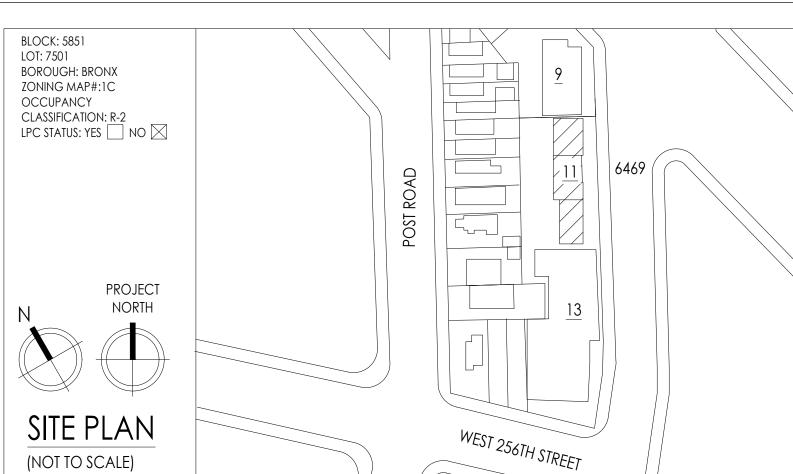
ARCHITECTURAL:

- PROVIDE NEW LIGHTING.
- REMOVE AND REPLACE EXISTING DOORS.
- PAINT CMU WALLS, FLOORS AND CEILINGS

CONCRETE SAMPLING AND TESTING NOTES

- . THE LICENSED TESTING LABORATORY IS RESPONSIBLE FOR DEVELOPING AND CONDUCTING A CONCRETE SAMPLING AND TESTING PROGRAM THAT COMPLIES WITH NYCBC SECTION 1905.6 AND PROVIDES SUFFICIENT DATA FOR RAND TO DETERMINE THE ACCEPTABILITY OF THE CONCRETE.
- 2. THE MINIMUM NUMBER OF SAMPLES PER DAY THAT MAY BE TAKEN IS (10) 6X12 OR 4X8 CYLINDERS TO BE TESTED AT 28 DAYS FOR THE DETERMINATION OF THE COMPRESSIVE STRENGTH. IF MORE THAN 250 CUBIC YARDS OF CONCRETE IS POURED IN A SINGLE DAY, ADDITIONAL SAMPLES WILL BE REQUIRED TO MEET THE CODE PRESCRIBED MINIMUMS OF SECTION 1905.6.2.1.
- 3. SAMPLES TAKEN BEYOND THE MINIMUM SHALL BE TESTED AT 56 DAYS.
- 4. THE TESTING LABORATORY SHALL REVIEW THE CONTRACTOR'S DESIGN MIX WITH RAND. IF THE MIX UTILIZES POZZOLANS, (4) ADDITIONAL 6X12 OR 4X8 SAMPLES SHALL BE RANDOMLY TAKEN FOR TESTING AT 56 DAYS.
- 5. THE CONTRACTOR SHALL INFORM RAND AND THE TESTING LABORATORY IF THERE IS A NEED TO VERIFY THE COMPRESSIVE STRENGTH OF CONCRETE PRIOR TO 28 DAYS TO FACILITATE THE CONSTRUCTION SCHEDULE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INFORM THE TESTING LABORATORY OF THE NEED FOR EARLY STRENGTH TESTS AND THE TIMING OF THOSE EARLY TESTS. THE TESTING LABORATORY SHALL PROVIDE AT LEAST TWO ADDITIONAL 6X12 OR 4X8 RANDOMLY TAKEN SAMPLES FOR EACH EARLY STRENGTH TEST REQUIRED BY THE CONTRACTOR.

PROPERTY INFORMATION



PROPERTY IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA PER EFFECTIVE 2007 FEMA FIRM

DRAW

STRUCTURA

SHEET TITLE

T-001.00 FO-001.00 FO-002.00 FO-003.00 FO-004.00 FO-101.00 FO-102.00 FO-301.00 FO-302.00 FO-303.00 FO-501.00 FO-502.00

FO-503.00 FO-504.00

ARCHITECT

SHEET TITLE

A-001.00 A-101.00 A-102.00

A-401.00

ASSO

ITEMS PLUMBIN GENERA

		RAND ENGINEERING & ARCHITECTURE, DPC 159 WEST 25TH STREET NEW YORK, NY 10001 TEL. (212) 675-8844/ FAX (212) 691-7972
/ING INDEX		OWNER: 6469 BROADWAY HDFC, INC. 6469 BROADWAY SELFHELP, LLC c/o SELFHELP COMMUNITY SERVICES 520 8th AVENUE, 5th FLOOR NEW YORK, NY, 10018 Tel: (212) 971-7746 Attn: SUSAN WRIGHT Email: swright@selfhelp.net
L IL SHEET DESCRIPTION SHEET DESCRIPTION ITTLE SHEET STRUCTURAL NOTES TYPICAL DETAILS SHEET DESCRIPTION	CD CD CD CD CD CD CD CD CD CD	PROPERTY MANAGER: BRONX PRO GROUP 1605 MLK Jr. BLVD. BRONX, NY, 10453 Tel: (718) 684-5556 Attn: EMRUSH ZEQAJ Email: ezeqaj@bronxprogroup.com Very PLAN: Very PLAN: Very Very PLAN: Very Very Very Very Very Very Very Very
ARCHITECTURAL LAYOUT PLAN REFLECTED CEILING PLAN-CELLAR SCHEDULES AND DETAILS CIATED DOB FILINGS: APPLICATION #		PROJECT DESCRIPTION: LIMITED CELLAR LEVEL REPAIR PROGRAM
		PROJECT LOCATION: 6469 BROADWAY BRONX, NY 10471 SHEET TITLE: TITLE SHEET
A LENUS	DOB STAMP:	RAND JOB #: M201205 SCALE: AS NOTED DATE: 10/04/24 DRAWING BY: AC REVIEWED BY: EG/JV NUMBER OF SHEETS: 01 OF 14 SHEET NO.: T-OO11.000

LIMITED CELLAR LEVEL REPAIR PROGRAM 6469 BROADWAY, BRONX, NY 10471

GENERAL NOTES

- ALL DIMENSIONS ARE SUBJECT TO FIELD VERIFICATION OF THE EXISTING BUILDING AND THE CONTRACTOR'S COORDINATION BETWEEN TRADES. THE CONTRACTOR SHALL CHECK AND VERIFY ALL CONDITIONS AND DIMENSIONS AND REPORT ANY DISCREPANCIES TO RAND PRIOR TO STARTING THE WORK. THE CONTRACTOR SHALL OBTAIN THE LATEST COPIES OF APPROVED PLANS AND SURVEYS AND THEY SHALL FAMILIARIZE THEMSELVES THOROUGHLY WITH THESE PLANS BEFORE COMMENCING ANY WORK.
- 2. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS PERTAINING TO THIS ALTERATION, AND ALL OTHER APPROVALS AS REQUIRED BY LAW FOR THE CONSTRUCTION. ALL PERMITS SHALL BE CONSPICUOUSLY DISPLAYED AT THE SITE IN A LOCATION OPEN TO PUBLIC INSPECTION THROUGHOUT THE DURATION OF THE WORK.
- 3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION SITE SAFETY AS WELL AS THE MEANS AND METHODS OF CONSTRUCTION. ALL SAFEGUARDS DURING CONSTRUCTION AND/OR DEMOLITION REQUIRED BY CHAPTER 33 OF THE 2022 NEW YORK CITY BUILDING CODE SHALL BE IMPLEMENTED. IF REQUIRED BY CHAPTER 33, THE CONTRACTOR SHALL EMPLOY A LICENSED DESIGN PROFESSIONAL
- 4. A TENANT PROTECTION PLAN (TPP) IS REQUIRED FOR ANY BUILDING ALTERATION PROJECT DURING WHICH ANY UNIT WILL BE OCCUPIED. THE TPP SHALL BE IN ACCORDANCE WITH SECTION 120 OF THE NYC ADMINISTRATIVE CODE. THE BUILDING IS CLASSIFIED AS MIXED RESIDENTIAL & COMMERCIAL BUILDING AND AS SUCH WILL CONTAIN DWELLING UNITS THAT WILL BE OCCUPIED DURING CONSTRUCTION. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE PROVISIONS REGARDING TENANT SAFETY, AS DELINEATED BELOW, AS WELL AS REGULATIONS SET FORTH IN THE NYS MULTIPLE DWELLING LAW AND NYC HOUSING MAINTENANCE CODE, TO INCLUDE BUT NOT BE LIMITED TO, TEMPORARY FIRE-RATED ASSEMBLIES, OPENING PROTECTIVES, AND DUST CONTAINMENT PROCEDURES
- 5. ALL STRUCTURAL WORK HAS BEEN DESIGNED AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE 2022 NEW YORK CITY BUILDING CODE. THE ORIGINAL CONSTRUCTION OF THE BUILDING WAS CIRCA 2014.
- ALL ELEVATIONS ARE REFERENCED TO THE BRONX BOROUGH BUREAU DATUM WHICH IS 2.608 FEET ABOVE MEAN SEA LEVEL AT SANDY HOOOK AS ESABLISHED BY THE U.S. COAST & GEODETIC SURVEY, 1929
- THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SHORING/BRACING AS REQUIRED FOR SUPPORT OF ALL LOADS THAT MAY BE IMPOSED UPON THE STRUCTURE DURING DEMOLITION AND/OR CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL EMPLOY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK FOR DESIGN, DETAILING AND SEQUENCING OF ALL SHORING, BRACING AND RELATED WORK AND SHALL BE RESPONSIBLE FOR SUBMITTING SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS FOR ALL TEMPORARY STRUCTURES FOR REVIEW AND ACCEPTANCE BY RAND. RAND'S REVIEW SHALL BE LIMITED TO EVALUATING THE IMPACT OF THE SHORING ON THE PERMANENT STRUCTURE.
- THE PROJECT IS LOCATED MORE THAN 200 FEET FROM ANY NYC TRANSIT AUTHORITY. METROPOLITAN TRANSPORTATION AUTHORITY OR PORT AUTHORITY OF NEW YORK AND NEW JERSEY SUBWAY OR TUNNEL. NOTIFICATION IS NOT REQUIRED BASED UPON NYC BC 3304.3.5.

TENANT SAFETY NOTES PROTECTION

- NOTING ESTABLISHED EXCEPTIONS AS PER AC 28-120.1.
- 28-120.1.
- AS PER AC 28-120.1.
- PER AC 28-120.1.

REQUIRED INSPECTIONS

- TO NOTIFY RAND OF DISCREPANCIES IN A TIMELY MANNER.
- RAND, AS WELL AS PROVIDE ACCESS AND CORRECT DEFICIENCIES.
- SHALL BE SUBMITTED TO RAND, THE OWNER, AND THE SPECIAL INSPECTOR.

SPECIAL INSPECTIONS

- 1. CONCRETE CAST-IN-PLACE BC 1705.3
- 2. MASONRY BC 1705.4
- 3. SUBGRADE INSPECTION BC 1705.6
- 5. TENANT PROTECTION PLAN COMPLIANCE INSPECTION- BC 1705.26
- 6. CONCRETE DESIGN MIX (TR3)- BC 1905.3
- 7. CONCRETE SAMPLING AND TESTING (TR2)- BC 1905.6, BC 1911.10 8. POST-INSTALLED ANCHORS - BC 1705.37

PROGRESS INSPECTIONS

1. FOOTING AND FOUNDATION -BC 110.3.1 2. FINAL INSPECTION - 28-116.2.4.2, BC 110.5,

ENERGY CODE PROGRESS INSPECTIONS

THE ALTERATION IS EXEMPT FROM NYC ENERGY CONSERVATION CODE PROVISIONS ACCORDING TO ECC 101.2.5, EXCEPTION #4: ALTERATIONS, RENOVATIONS OR REPAIRS TO WALLS AND FLOORS IN CASES WHERE THE EXISTING STRUCTURE IS WITHOUT FRAMING CAVITIES AND NO NEW CAVITIES ARE CREATED.

1. THE CONTRACTOR SHALL RETAIN A REGISTERED DESIGN PROFESSIONAL LICENSED IN THE STATE OF NEW YORK TO PREPARE A TENANT PROTECTION PLAN AS REQUIRED BY THE DOB FOR ANY ALTERATION, CONSTRUCTION, OR PARTIAL DEMOLITION OF BUILDINGS IN WHICH ANY DWELLING UNIT WILL BE OCCUPIED DURING CONSTRUCTION INCLUDING NEWLY CONSTRUCTED BUILDINGS THAT ARE PARTIALLY OCCUPIED WHERE WORK IS ONGOING,

2. 2THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A SIGNED STATEMENT CERTIFYING THAT THE TENANT PROTECTION PLAN PREPARED BY THE REGISTERED DESIGN PROFESSIONAL LICENSED IN THE STATE OF NEW YORK COORDINATES WITH THE SCOPE OF WORK INTENDED AND SHALL ENSURE THAT THE TENANT PROTECTION PLAN IS FILED WITH THE DOB AND THAT SUCH PLAN BE APPROVED BY THE DOB PRIOR TO REQUEST FOR A WORK PERMIT PER AC

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISTRIBUTING TO EACH OCCUPIED DWELLING UNIT THE TENANT PROTECTION PLAN NOTICE TO OCCUPANTS, AND POST IN THE LOBBY AND ON EACH FLOOR WITHIN TEN FEET OF THE ELEVATOR, OR IF THE BUILDING DOES NOT HAVE AN ELEVATOR, WITHIN TEN FEET OF OR IN THE MAIN STAIRWELL ON EACH FLOOR

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISTRIBUTING TO EACH OCCUPIED DWELLING UNIT A SAFE CONSTRUCTION BILL OF RIGHTS NOTICE OR POST IN THE LOBBY AND 1) ON EACH FLOOR WITHIN TEN FEET OF THE ELEVATOR, OR 2) IF THE BUILDING DOES NOT HAVE AN ELEVATOR, WITHIN TEN FEET OF OR IN THE MAIN STAIRWELL ON EACH FLOOR AS

5. AT LEAST 5 DAYS BEFORE WORK IS SET TO BEGIN, THE CONTRACTOR MUST ADVISE THE OWNER IN WRITING OF THE OWNER'S OBLIGATION TO NOTIFY THE DOB AT LEAST 3 DAYS BEFORE STARTING ANY WORK REQUIRING A TENANT PROTECTION PLAN AS PER AC 28-120.1

1. SPECIAL AND PROGRESS INSPECTIONS MUST BE PERFORMED IN ACCORDANCE WITH CHAPTER 17 OF THE 2022 NEW YORK CITY BUILDING CODE. THE SPECIAL HYSPECTION PROGRAM MUST BE CONDUCTED BY A NYC DOB REGISTERED SPECIAL INSPECTION AGENCY. THE SPECIAL INSPECTION AGENCY MUST BE AWARE OF THE RESPONSIBILITIES LISTED IN NYCBC SECTION 1704.1.1.3 AND ESTABLISH PROCEDURES

2. THE CONTRACTOR SHALL NOTIFY THE SPECIAL INSPECTOR IN WRITING AT LEAST 72 HOURS IN ADVANCE OF A REQUIRED INSPECTION AS REQUIRED BY NYCBC SECTION 1704.1.1.3. THE CONTRACTOR SHALL BE AWARE OF THE RESPONSIBILITIES LISTED IN NYCBC SECTION 1704.1.1.3 AND PROVIDE ALL REQUIRED DOCUMENTATION TO

3. TESTING SERVICES SHALL BE PERFORMED BY A TESTING LABORATORY ACCREDITED BY NVLAP OR IAS IN ACCORDANCE WITH ISO 17025. TESTING LABORATORY SHALL BE ENGAGED BY THE OWNER AND APPROVED BY RAND. COPIES OF ALL TEST RESULTS

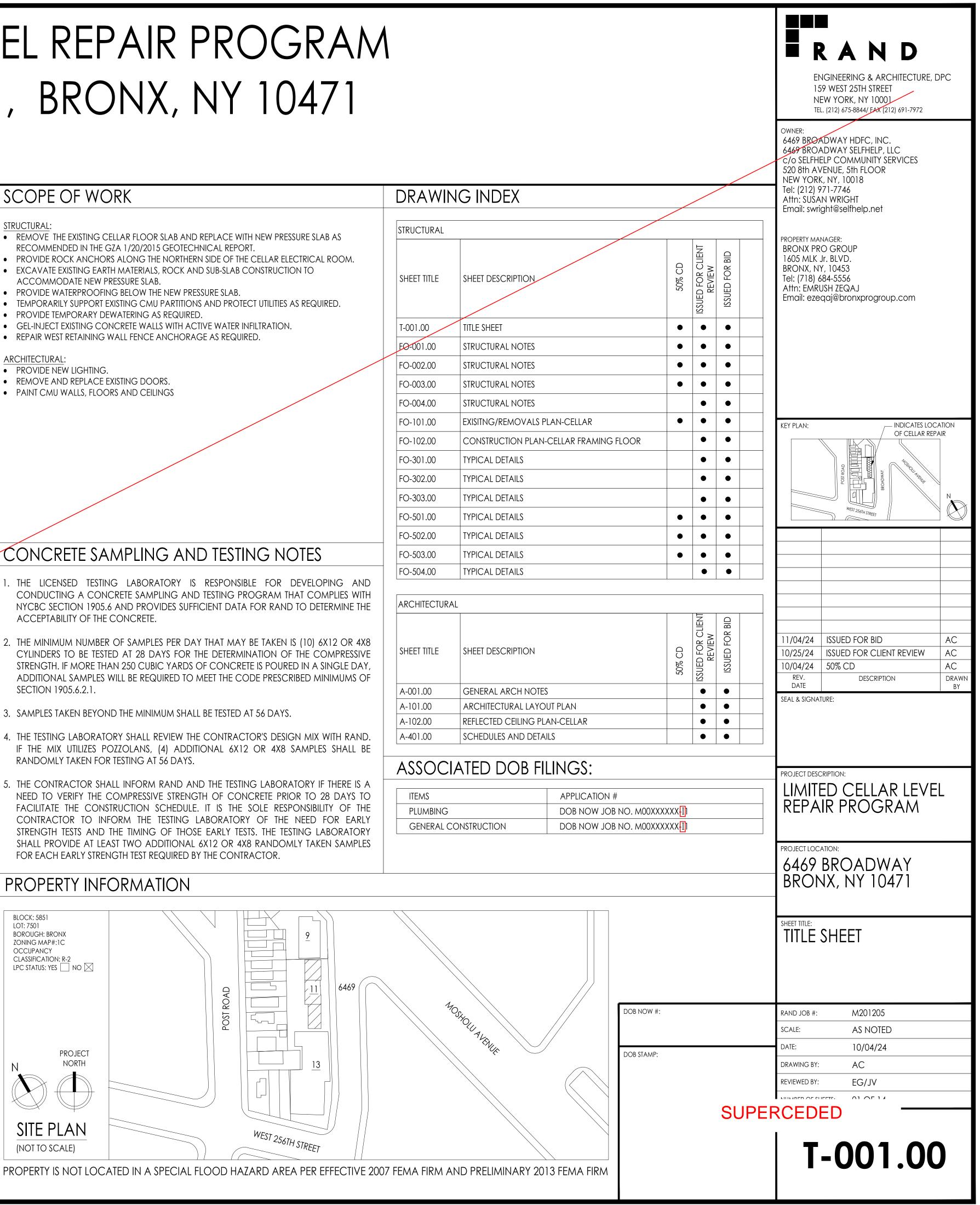
4. STRUCTURAL STABILITY - ALTERATIONS OF EXISTING BUILDINGS- BC 1705.25.1

- REMOVE THE EXISTING CELLAR FLOOR SLAB AND REPLACE WITH NEW PRESSURE SLAB AS RECOMMENDED IN THE GZA 1/20/2015 GEOTECHNICAL REPORT.
- EXCAVATE EXISTING EARTH MATERIALS, ROCK AND SUB-SLAB CONSTRUCTION TO

- PROVIDE TEMPORARY DEWATERING AS REQUIRED.
- REPAIR WEST RETAINING WALL FENCE ANCHORAGE AS REQUIRED.

- PROVIDE NEW LIGHTING.

- ACCEPTABILITY OF THE CONCRETE.
- SECTION 1905.6.2.1.
- 4. THE TESTING LABORATORY SHALL REVIEW THE CONTRACTOR'S DESIGN MIX WITH RAND. IF THE MIX UTILIZES POZZOLANS, (4) ADDITIONAL 6X12 OR 4X8 SAMPLES SHALL BE RANDOMLY TAKEN FOR TESTING AT 56 DAYS.
- 5. THE CONTRACTOR SHALL INFORM RAND AND THE TESTING LABORATORY IF THERE IS A NEED TO VERIFY THE COMPRESSIVE STRENGTH OF CONCRETE PRIOR TO 28 DAYS TO FACILITATE THE CONSTRUCTION SCHEDULE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INFORM THE TESTING LABORATORY OF THE NEED FOR EARLY STRENGTH TESTS AND THE TIMING OF THOSE EARLY TESTS. THE TESTING LABORATORY SHALL PROVIDE AT LEAST TWO ADDITIONAL 6X12 OR 4X8 RANDOMLY TAKEN SAMPLES FOR EACH EARLY STRENGTH TEST REQUIRED BY THE CONTRACTOR.



	IGN LOADS	SUBN
	RUCTURE AND FOUNDATIONS HAVE BEEN DESIGNED TO RESIST THE FOLLOWING LOADS IN ACCORDANCE WITH CHAPTER 16 OF 22 NYCBC NEW YORK CITY BUILDING CODE (NYCBC).	9. TECHI
		A. Al B. C C. W
	LOOR LOADS . CELLAR FLOOR LOADS: DEAD LOAD	D. FIE E. V
	CONCRETE SLAB 14" =175 PSF CONCRETE SLAB 9" = 133 PSF	F. BC G. SE
	CMU PARTITION WALLS 8" = 72 PSF LIVE LOADS:	H. A
	MECHANICAL: 75 PSF PUBLIC CORRIDORS: 100 PSF	POST-INS
В	. FIRST FLOOR LOADS: DEAD LOAD	1. VALIE
	CONCRETE PLANK 10" =67PSF MEP = 5 PSF	2. PROC
	FINISHES = 2 PLF LIVE LOADS:	3. TECH
	RETAIL=100 PSFLOBBY/CORRIDORS=100 PSF	DATA MANI
	C DATA: ONENT LOADS ARE ZERO BELOW GRADE. LATERAL SYSTEM CAPACITY WILL NOT BE REDUCES	4. EVAL
	HYDROSTATIC LOADING:	5. IF REC UPWA
	ESIGN DATA: . BASE ELEVATION 0.00 FT	6. PROC
В.	DESIGN ELEVATION +9.25 FT . UNIT WEIGHT OF WATER 62.4 PLF	ENCC
D	MAX. SLAB THICKNESS 1FT 2 IN	MASONR
А	UOYANT LOADING: . RESULTANT 650 PSF	1. FOR E
	LOAD DISTRIBUTION UPLIFT	2. FOR E
	ICT SUBSTITUTIONS	ACC MAY
1.	PRODUCTS SPECIFICALLY DESIGNATED ON THE DRAWINGS BY MANUFACTURER NAME(S) AND MODEL NUMBERS ARE	3. COP
	THE BASIS OF DESIGN. THE CONTRACTOR MAY PROPOSE USE OF PRODUCTS OF OTHER MANUFACTURERS MEETING THE REQUIREMENTS OF THE SPECIFICATION TO BE CONSIDERED AS AN "OR EQUAL" SUBSTITUTION.	META
2.	THE CONSTRUCTION COMPLETION DATES SHALL NOT BE ADVERSELY AFFECTED BY THE SUBSTITUTION OF SPECIFIED ITEMS. COMPLETE REQUESTS FOR SUBSTITUTIONS MUST BE SUBMITTED SO AS TO ALLOW SUFFICIENT TIME FOR REVIEW, FABRICATION, DELIVERY, INSTALLATION, AND ALL CONSTRUCTION MODIFICATIONS NECESSITATED BY THE	4. AFFID REQU
	SUBSTITUTION.	5. TECH
3.	EACH "OR EQUAL" SUBMITTAL SHALL INCLUDE COMPLETE DOCUMENTATION SHOWING COMPLIANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL PROVIDE ALL DOCUMENTATION AND BACK-UP ENGINEERING IF REQUIRED. RAND WILL NOT PERFORM RE-DESIGN IN ORDER TO ACCEPT A PRODUCT SUBSTITUTION. THE CONTRACTOR SHALL ENGAGE A LICENSED PROFESSIONAL ENGINEER REGISTERED IN NEW YORK STATE TO DEVELOP AND SUBMIT	6. TEST / A. TH B. S/
1	SIGNED AND SEALED CALCULATIONS IF REQUIRED.	STRUCTU
4.	SUBMITTAL DOCUMENTATION SHALL INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING ITEMS: A. PRODUCT DATA INCLUDING TECHNICAL DATA SHEETS, MATERIAL SAMPLES, INSTALLATION INSTRUCTIONS, MANUFACTURER REQUIREMENTS, ETC.	1. TECH
	B. A DETAILED COMPARISON IN NARRATIVE, CHART OR DRAWING FORMAT OF THE SIGNIFICANT QUALITIES OF THE PROPOSED SUBSTITUTION WITH THE SPECIFIED MATERIAL/PRODUCT. SIGNIFICANT QUALITIES MAY INCLUDE ELEMENTS SUCH AS SIZE, WEIGHT, DURABILITY, PERFORMANCE, LIFE CYCLE, VISUAL EFFECT, CODE COMPLIANCE, MAINTENANCE REQUIREMENTS, ENERGY USAGE, COMPATIBILITY WITH OTHER PORTIONS OF THE WORK, AND	<u>miscell</u> 1. tech
	ENVIRONMENTAL CONSIDERATIONS. C. COORDINATION INFORMATION, IN NARRATIVE, CHART OR DRAWING FORMAT OF THE MODIFICATIONS TO BE MADE	THERMAL
	TO OTHER PARTS OF THE WORK INCLUDING THE WORK TO BE PERFORMED OF OTHER TRADES AND FOR CONSTRUCTION PERFORMED BY OTHERS THAT WILL BECOME NECESSARY TO ACCOMMODATE AND TO ACCEPT THE	<u>SPRAY A</u>
	PROPOSED SUBSTITUTION. D. WARRANTY INFORMATION.	1. TECH
		MOISTUR
CONC	<u>RETE</u> :	1. TECH
1.	SHOP DRAWINGS FOR PLACEMENT OF STEEL REINFORCEMENT SHOWING REBAR LOCATIONS, QUANTITIES, COVER, BENDING DETAILS, SPLICES, DEVELOPMENT, ETC.	2. TECH JOIN
2.	SIGNED AND SEALED FORMWORK SHOP DRAWINGS AND CALCULATIONS AS REQUIRED BY SECTION 3305.3.2 OF THE NEW YORK CITY BUILDING CODE.	3. CERT APPR
3.	CONCRETE MIX DESIGNS FOR EACH CLASS AND TYPE OF CONCRETE OR FLOWABLE FILL SPECIFIED HEREIN. CONCRETE MIX SHALL BE DESIGNED BY AN INDEPENDENT TESTING LABORATORY ACCEPTABLE TO RAND.	4. DOC PROJ
4.	COPY OF MATERIAL CERTIFICATION FOR ALL STEEL REINFORCEMENT.	5. INSTA
5.	DETAILED DESCRIPTION OF CONCRETE CURING METHODS AND PROCEDURES USED TO ENSURE THAT CONCRETE WILL CURE IN CONFORMANCE WITH ACI 305.1 (HOT WEATHER CURING) OR ACI 306.1 (COLD WEATHER CURING).	ELIGII 6. A 4-I
6.	DRAWINGS INDICATING CONCRETE JOINT LOCATIONS.	SUPE
7.	A BATCH TICKET SHALL BE DELIVERED WITH EACH CONCRETE TRUCK THAT IS SENT TO THE SITE. THE BATCH TICKET	EXCAVA
	SHALL CONTAIN THE INFORMATION REQUIRED BY SECTION 1905.8.2 OF THE 2022 NYC BUILDING CODE. THE SPECIAL INSPECTOR OR ENGINEER MAY REJECT CONCRETE TRUCKS WITH MISSING OR INCORRECT BATCH TICKETS.	1. A WR
8.	LABORATORY TEST RESULTS, FOR FIELD CONCRETE COMPRESSION TEST SPECIMENS SPECIFIED HEREIN, SHALL BE SUBMITTED TO RAND TO ENSURE CONTINUED COMPLIANCE WITH THESE SPECIFICATIONS. THE AGENCY RESPONSIBLE FOR TESTING CONCRETE SHALL BE ENGAGED DIRECTLY BY THE OWNER AND SHALL NOT WORK FOR THE	2. Signi And

MITTALS (CONTINUED)

ANICAL DATA SHEETS, CATALOG CUTS, PRODUCT LITERATURE FOR: ADMIXTURES USED IN THE DESIGN MIX CONCRETE PIGMENTATION ADDITIVE VELDED WIRE FABRIC/REINFORCEMENT IBER REINFORCEMENT /APOR RETARDER AND/OR BARRIER SONDING AGENTS SEALANTS AND COATINGS ACCESSORY PRODUCTS

STALLED ANCHORS:

D ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION.

OF OF MANUFACTURER TRAINING.

INICAL PRODUCT DATA WITH RECOMMENDED DESIGN VALUES AND INSTALLATION PROCEDURES. TECHNICAL A WILL ALLEVIATE THE NEED FOR PROOF LOAD TESTING IF, AND ONLY IF, THE BASE CONDITIONS MATCH THE IUFACTURER'S STATED REQUIREMENTS.

LUATION OR CODE COMPLIANCE REPORT PUBLISHED BY AN AGENCY ACCREDITED TO ISO 17065.

EQUIRED, PROOF LOAD (FIELD) TESTING REPORTS TO ESTABLISH INSTALLER QUALIFICATIONS FOR HORIZONTAL, ARDLY INCLUDED AND OVERHEAD ADHESIVE ANCHORS IN CONCRETE.

OF LOAD (FIELD) TESTING REPORTS TO VERIFY PROPER INSTALLATION IF QUESTIONABLE INSTALLATION IN OUNTERED BY ENGINEER OF RECORD AND/OR SPECIAL INSPECTOR.

<u>RY</u>:

EACH MORTAR TYPE, MORTAR MIX DESIGN IN COMPLIANCE WITH ASTM C270. MIX DESIGN SHALL INCLUDE ER TEST RESULTS OR INGREDIENT TYPES AND PROPORTIONS.

EACH GROUT TYPE, GROUT MIX DESIGN IN COMPLIANCE WITH ASTM C476. MIX DESIGN SHALL INCLUDE EITHER RESULTS AND INGREDIENT TYPES AND PROPORTIONS. ALTERNATELY, COMPRESSIVE STRENGTH TEST IN CORDANCE WITH ASTM C1010 AND SLUMP FLOW AND VISUAL STABILITY INDEX AS DETERMINED BY ASTM C1611 ' BE PROVIDED.

Y OF MATERIAL CERTIFICATES FOR EACH MASONRY UNIT TYPE, REINFORCEMENT, ANCHORS, TIES, FASTENERS, AL ACCESSORIES, MORTAR AND GROUT MATERIALS.

DAVIT FROM THE CMU MANUFACTURER STATING THAT ALL CMU FURNISHED FOR THE PROJECT MEETS PROJECT UIREMENTS AS SPECIFIED IN THESE DRAWINGS.

INICAL DATA SHEETS FOR SEALANTS, COATINGS AND ACCESSORY PRODUCTS.

AREAS OF AT LEAST TWO (2) SQUARE FEET IN SIZE SHOWING EACH OF THE FOLLOWING: HE SPECIFIED OR APPROVED MORTAR MIX. AMPLE OF PROPERLY INSTALLED REPLACEMENT CMU.

IRAL STEEL

HNICAL DATA SHEETS FOR PRIMER AND PAINT TO BE USED ON STEEL.

ANEOUS METALS

INICAL DATA SHEETS FOR COATINGS.

L AND MOISTURE PROTECTION SUBMITTALS

PPLIED FIRE RESISTANT MATERIAL (SFRM) OR INTUMESCENT PAINT:

INICAL DATA SHEETS FOR FIRE RESISTIVE MATERIAL.

RE PROTECTION

HNICAL DATA SHEETS FOR WATERTIGHT EXPANSION JOINT SYSTEM.

INICAL DATA SHEETS FOR WATERPROOFING SYSTEM, INCLUDING PRIMER, LIQUID MEMBRANE, WATERSTOPS, IT TAPE AND ACCESSORIES.

TIFICATION LETTER FROM THE WATERPROOFING MANUFACTURER STATING THAT THE CONTRACTOR IS AN ROVED APPLICATOR OF THE SYSTEM TO BE UTILIZED.

CUMENTATION FROM THE WATERPROOFING MANUFACTURER STATING THE CONTRACTOR HAS REGISTERED THE JECT WITH THE MANUFACTURER.

ALLATION LETTER FROM THE WATERPROOFING MANUFACTURER STATING THE SYSTEM TO BE UTILIZED AND IBILITY TO OBTAIN THE WARRANTY SPECIFIED.

FOOT BY 4-FOOT MOCKUP OF THE NEW FLUID-APPLIED WATERPROOFING MEMBRANE INSTALLED UNDER ERVISION OF A TECHNICAL REPRESENTATIVE FROM THE MANUFACTURER.

TION AND FOUNDATION

RITTEN SEQUENCE OF OPERATIONS.

NED AND SEALED SHOP DRAWINGS AND CALCULATION FOR ANY EXCAVATION SHEETING, SHORING, BRACING) UNDERPINNING REQUIRED.

SUBMITTALS (CONTINUED

- 3. TECHNICAL DATA ON COMPACTION EC
- 4. CERTIFICATES OF COMPLIANCE FOR ALL
- 5. VALID CERTIFICATION FOR COMPACTIO
- 6. ENGINEER'S REPORT ON DEWATERING S DRAWINGS.
- 7. STRUCTURAL STEEL SUBMITTALS FOR ANY
- 8. CONCRETE SUBMITTAL FOR ANY CONC
- 9. TIMBER SUBMITTALS FOR ANY TIMBER INC
- 10. TECHNICAL DATA FOR ANY PROPOSED

11. ALL PRE-CONSTRUCTION SURVEYS AND

- 1. PRE-CONSTRUCTION BASELINE SURVEY RE
- 2. PRODUCT DATA SHEETS FOR VIBRATION N
- 3. CALIBRATION CERTIFICATES FOR VIBRATION
- 4. DAILY AND FINAL VIBRATION MONITORIN

DEWATERING:

- 1. SIGNED AND SEALED SHOP DRAWI DISCHARGE AND DISPOSAL.
- 2. SIGNED AND SEALED DESIGN CALCULA CAPABILITIES TO MEET REQUIRED PERFO
- 3. WRITTEN CONTROL PROCEDURES TO BE

CONSTRUCTION SAFEGU

- 1. THE CONTRACTOR'S CONSTRUCTION AN BUILDING CODE REGARDING SAFEGUA
- 2. ALL DEBRIS SHALL BE CLEANED DAILY A PLACED, SECURED AND COVERED IN AG
- 3. WASTE MATERIAL SHALL BE REMOVED PUBLIC RIGHTS-OF-WAY ARE NOT INJU DISPOSED OF ACCORDING TO SECTION
- 4. REQUIRED MEANS OF EGRESS, INCLUDIN
- 5. THE CONTRACTOR SHALL PROVIDE TH DEMOLITION PER CHAPTER 33 OF THE NY
- 6. NOTIFICATION OF THE DEPARTMENT OF SECTION 3306.3.1 OF THE NYC BUILDING
- 7. NOTIFICATION OF ADJOINING PROPERT DEMOLITION PER SECTION 3306.3.2 OF T
- 8. ALL REMOVALS SHALL BE PERFORMED U
- 9. USE OF MECHANICAL DEMOLITION EQU SHALL SUBMIT REQUIRED DOCUMENTS T AND SHALL PROVIDE SPECIAL INSPECTION CHAPTER 17 OF THE NYC BUILDING COD
- 10. ALL LIVE LOADS SHALL BE REMOVED FRO ELEMENTS BEING DEMOLISHED SHALL SUF
- 11. DUST CONTROL MEASURES SHALL BE TAK
- 12. DEMOLITION OF WALLS AND PARTITIONS

QUIPMENT PROPOSED FOR EACH TYPE OF E	QUIPMENT.		ND
l FILL, BACKFILL AND SUBGRADE AGGREGA	TE MATERIALS.		& ARCHITECTURE, DPC
ON AND DENSITY TESTING TECHNICIANS.		159 WEST 25TH S NEW YORK, NY	10001
SCHEME ALONG WITH ASSOCIATED SIGNED	and sealed Calculations and	TEL. (212) 675-8844/ OWNER: 6469 BROADWAY HDFC	
Y STEEL INCORPORATED INTO THE WORK.		6469 BROADWAY SELFH c/o SELFHELP COMMUN	ielp, llC Nity services
RETING OPERATIONS INCORPORATED INTO	THE WORK.	520 8th AVENUE, 5th FL NEW YORK, NY, 10018 Tel: (212) 971-7746	OOR
CORPORATED INTO THE WORK.	Attn: SUSAN WRIGHT Email: swright@selfhelp.	.net	
ENGINEERED PRODUCTS/SYSTEMS INCORPO	DRATED INTO THE WORK.	PROPERTY MANAGER:	
MONITORING PLANS REQUIRED BY THE NYC	BRONX PRO GROUP 1605 MLK Jr. BLVD. BRONX, NY, 10453 Tel: (718) 684-5556 Attn: EMRUSH ZEQAJ		
$\sum_{n=1}^{\infty}$			
EPORT AND PHOTO SUPPLEMENT.		Email: ezeqaj@bronxpro	ogroup.com
MONITORS.			
on monitors.			
IG REPORTS.			
ngs showing dewatering system ei	EMENTS INCLUDING MEANS OF	KEY PLAN:	OF CELLAR REPAIR
ATIONS FOR THE DEWATERING SYSTEM DEM DRMANCE CRITERIA.	IONSTRATING PROPOSED SYSTEM'S	POST ROAD	BROADWAY BROADWAY BROADWAY
ADOPTED IF PROBLEMS ARISE WITH THE DEV	VATERING SYSTEM.	WEST 256TH ST	
ARD NOTES			
ND DEMOLITION OPERATIONS SHALL BE GO RDS OF THE PUBLIC AND OF PROPERTY. OSH			
AND DISPOSED OF IN APPROPRIATE CONTA CCORDANCE WITH CHAPTER 33.	NINERS. SUCH CONTAINERS SHALL BE	12/10/24 ISSUED FOR 11/04/24 ISSUED FOR	ADDENDUM 2 SG2 BID AC
IN SUCH A MANNER TO ENSURE THAT PER RED OR DAMAGED. CONCRETE WASHOUT I 3303.15 OF THE NYC BUILDING CODE. IG TEMPORARY ELEVATORS/HOISTS SHALL B	WATER SHALL BE COLLECTED AND	10/25/24ISSUED FOR10/04/2450% CD	CLIENT REVIEW AC AC CRIPTION DRAWN BY
IE REQUIRED PROTECTION OF PERSONS A	ND PROPERTY PRIOR TO STARTING		
BUILDINGS IS REQUIRED 24 TO 48 HOURS F CODE.	RIOR TO STARTING DEMOLITION PER	PROJECT DESCRIPTION:	
Y OWNERS IS REQUIRED IN WRITING 10 DAYS HE NYC BUILDING CODE.	S PRIOR TO THE SCHEDULED START OF	LIMITED CEL REPAIR PRO	
ISING HAND HELD TOOLS.			
UIPMENT IS SUBJECT TO THE APPROVAL O TO THE DEPARTMENT PRIOR TO PROCEEDII ON OF MECHANICAL DEMOLITION METHOD DE.	NG WITH MECHANICAL DEMOLITION	PROJECT LOCATION: 6469 BROAE BRONX, NY	
OM AREAS WHERE STRUCTURAL ELEMENTS A PPORT SELF-WEIGHT ONLY.	RE BEING DEMOLISHED. STRUCTURAL	SHEET TITLE: STRUCTURA	l notes
KEN.			
s is governed by section 3306.9.9 of the	NYC BUILDING CODE.		
	DOB NOW #:	RAND JOB #: M20	
			10TED 14/24
	DOB STAMP:	DRAWING BY: AC	.,
		REVIEWED BY: EG/ NUMBER OF SHEETS: 02 C	
		SHEET NO.:	·· · ·
		ГО-О	01.00

DESIGN LOADS	SUBM
THE STRUCTURE AND FOUNDATIONS HAVE BEEN DESIGNED TO RESIST THE FOLLOWING LOADS IN ACCORDANCE WITH CHAPTER THE <u>2022 NYCBC NEW YORK CITY BUILDING CODE (NYCBC)</u> .	9. IECHN
OCCUPANCY CATEGORY: II 1. FLOOR LOADS A. CELLAR FLOOR LOADS:	A. AD B. CC C. WE D. FIB
DEAD LOAD CONCRETE SLAB 14" =175 PSF CONCRETE SLAB 9" = 133 PSF CMU PARTITION WALLS 8" = 72 PSF LIVE LOADS: MECHANICAL: 75 PSF	E. VA F. BO G. SE/ H. AC
PUBLIC CORRIDORS: 100 PSF B. FIRST FLOOR LOADS:	POST-INST
DEAD LOAD CONCRETE PLANK 10" =67PSF	1. VALID
MEP = 5 PSF FINISHES = 2 PLF LIVE LOADS:	2. PROOI 3. TECHN
RETAIL =100 PSF LOBBY/CORRIDORS =100 PSF	DATA
SEISMIC DATA: COMPONENT LOADS ARE ZERO BELOW GRADE. LATERAL SYSTEM CAPACITY WILL NOT BE REDUCES	4. EVALU
SOIL & HYDROSTATIC LOADING: 1. DESIGN DATA:	5. IF REG UPWAI
A. BASE ELEVATION 0.00 FT B. DESIGN ELEVATION +9.25 FT	6. PROOI ENCO
C. UNIT WEIGHT OF WATER 62.4 PLF D. MAX. SLAB THICKNESS 1FT 2 IN	MASONRY
2. BUOYANT LOADING: A. RESULTANT 650 PSF	1. FOR E
B. LOAD DISTRIBUTION UPLIFT	2. FOR E/ TEST F
PRODUCT SUBSTITUTIONS	ACCC MAY B
 PRODUCTS SPECIFICALLY DESIGNATED ON THE DRAWINGS BY MANUFACTURER NAME(S) AND MODEL NUMBERS THE BASIS OF DESIGN. THE CONTRACTOR MAY PROPOSE USE OF PRODUCTS OF OTHER MANUFACTURERS MEE THE REQUIREMENTS OF THE SPECIFICATION TO BE CONSIDERED AS AN "OR EQUAL" SUBSTITUTION. 	
 THE CONSTRUCTION COMPLETION DATES SHALL NOT BE ADVERSELY AFFECTED BY THE SUBSTITUTION OF SPEC ITEMS. COMPLETE REQUESTS FOR SUBSTITUTIONS MUST BE SUBMITTED SO AS TO ALLOW SUFFICIENT TIME FOR REV FABRICATION, DELIVERY, INSTALLATION, AND ALL CONSTRUCTION MODIFICATIONS NECESSITATED BY SUBSTITUTION. 	/IEW, THE
3. EACH "OR EQUAL" SUBMITTAL SHALL INCLUDE COMPLETE DOCUMENTATION SHOWING COMPLIANCE WITH CONTRACT DOCUMENTS. THE CONTRACTOR SHALL PROVIDE ALL DOCUMENTATION AND BACK-UP ENGINEERIN REQUIRED. RAND WILL NOT PERFORM RE-DESIGN IN ORDER TO ACCEPT A PRODUCT SUBSTITUTION. THE CONTRACT SHALL ENGAGE A LICENSED PROFESSIONAL ENGINEER REGISTERED IN NEW YORK STATE TO DEVELOP AND SU SIGNED AND SEALED CALCULATIONS IF REQUIRED.	NG IF 6. TEST AL CTOR A. THE B. SA
 SUBMITTAL DOCUMENTATION SHALL INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING ITEMS: A. PRODUCT DATA INCLUDING TECHNICAL DATA SHEETS, MATERIAL SAMPLES, INSTALLATION INSTRUCT MANUFACTURER REQUIREMENTS, ETC. B. A DETAILED COMPARISON IN NARRATIVE, CHART OR DRAWING FORMAT OF THE SIGNIFICANT QUALITIES OF PROPOSED SUBSTITUTION WITH THE SPECIFIED MATERIAL/PRODUCT. SIGNIFICANT QUALITIES MAY INCLUDE ELE SUCH AS SIZE, WEIGHT, DURABILITY, PERFORMANCE, LIFE CYCLE, VISUAL EFFECT, CODE COMPLIATION 	TIONS, DF THE MENTS MANOE
MAINTENANCE REQUIREMENTS, ENERGY USAGE, COMPATIBILITY WITH OTHER PORTIONS OF THE WORK ENVIRONMENTAL CONSIDERATIONS.	
C. COORDINATION INFORMATION, IN NARRATIVE, CHART OR DRAWING FORMAT OF THE MODIFICATIONS TO BE TO OTHER PARTS OF THE WORK INCLUDING THE WORK TO BE PERFORMED OF OTHER TRADES ANI CONSTRUCTION PERFORMED BY OTHERS THAT WILL BECOME NECESSARY TO ACCOMMODATE AND TO ACCE	MADE D FOR SPRAY AP
PROPOSED SUBSTITUTION. D. WARRANTY INFORMATION.	1. TECHA
	MOISTURE
<u>CONCRETE</u> :	1. TECHN
 SHOP DRAWINGS FOR PLACEMENT OF STEEL REINFORCEMENT SHOWING REBAR LOCATIONS, QUANTITIES, CC BENDING DETAILS, SPLICES, DEVELOPMENT, ETC. 	OVER, 2. TECHN JOINT
2. SIGNED AND SEALED FORMWORK SHOP DRAWINGS AND CALCULATIONS AS REQUIRED BY SECTION 3305.3.2 OI NEW YORK CITY BUILDING CODE.	THE 3. CERTIF
3. CONCRETE MIX DESIGNS FOR EACH CLASS AND TYPE OF CONCRETE OR FLOWABLE FILL SPECIFIED HE CONCRETE MIX SHALL BE DESIGNED BY AN INDEPENDENT TESTING LABORATORY ACCEPTABLE TO RAND.	REIN. 4. DOCU PROJE
4. COPY OF MATERIAL CERTIFICATION FOR ALL STEEL REINFORCEMENT.	5. INSTAL
5. DETAILED DESCRIPTION OF CONCRETE CURING METHODS AND PROCEDURES USED TO ENSURE THAT CONCRETE CURE IN CONFORMANCE WITH ACI 305.1 (HOT WEATHER CURING) OR ACI 306.1 (COLD WEATHER CURING).	WILL ELIGIBI
6. DRAWINGS INDICATING CONCRETE JOINT LOCATIONS.	SUPER'
7. A BATCH TICKET SHALL BE DELIVERED WITH EACH CONCRETE TRUCK THAT IS SENT TO THE SITE. THE BATCH THE SHALL CONTAIN THE INFORMATION REQUIRED BY SECTION 1905.8.2 OF THE 2022 NYC BUILDING CODE. THE SPE INSPECTOR OR ENGINEER MAY REJECT CONCRETE TRUCKS WITH MISSING OR INCORRECT BATCH TICKETS.	-
8. LABORATORY TEST RESULTS, FOR FIELD CONCRETE COMPRESSION TEST SPECIMENS SPECIFIED HEREIN, SHAL SUBMITTED TO RAND TO ENSURE CONTINUED COMPLIANCE WITH THESE SPECIFICATIONS. THE AGENCY RESPON FOR TESTING CONCRETE SHALL BE ENGAGED DIRECTLY BY THE OWNER AND SHALL NOT WORK FOR CONTRACTOR.	SIBLE

NITTALS (CONTINUED) NICAL DATA SHEETS, CATALOG CUTS, PRODUCT LITERATURE FOR: DMIXTURES USED IN THE DESIGN MIX ONCRETE PIGMENTATION ADDITIVE ELDED WIRE FABRIC/REINFORCEMENT BER REINFORCEMENT APOR RETARDER AND/OR BARRIER ONDING AGENTS EALANTS AND COATINGS CCESSORY PRODUCTS TALLED ANCHORS: ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION. OF OF MANUFACTURER TRAINING. NICAL PRODUCT DATA WITH RECOMMENDED DESIGN VALUES AND INSTALLATION PROCEDURES. TECHNICAL WILL ALLEVIATE THE NEED FOR PROOF LOAD TESTING IF, AND ONLY IF, THE BASE CONDITIONS MATCH THE UFACTURER'S STATED REQUIREMENTS. UATION OR CODE COMPLIANCE REPORT PUBLISHED BY AN AGENCY ACCREDITED TO ISO 17065. QUIRED, PROOF LOAD (FIELD) TESTING REPORTS TO ESTABLISH INSTALLER QUALIFICATIONS FOR HORIZONTAL, ARDLY INCLUDED AND OVERHEAD ADHESIVE ANCHORS IN CONCRETE. OF LOAD (FIELD) TESTING REPORTS TO VERIFY PROPER INSTALLATION IF QUESTIONABLE INSTALLATION IN DUNTERED BY ENGINEER OF RECORD AND/OR SPECIAL INSPECTOR.

each mortar type, mortar mix design in compliance with astm c270. Mix design shall include R TEST RESULTS OR INGREDIENT TYPES AND PROPORTIONS.

EACH GROUT TYPE, GROUT MIX DESIGN IN COMPLIANCE WITH ASTM C476. MIX DESIGN SHALL INCLUDE EITHER RESULTS AND INGREDIENT TYPES AND PROPORTIONS. ALTERNATELY, COMPRESSIVE STRENGTH TEST IN Ordance with astm C1010 and slump flow and visual stability index as determined by astm C1611 BE PROVIDED.

OF MATERIAL CERTIFICATES FOR EACH MASONRY UNIT TYPE, REINFORCEMENT, ANCHORS, TIES, FASTENERS, ACCESSORIES, MORTAR AND GROUT MATERIALS.

AVIT FROM THE CMU MANUFACTURER STATING THAT ALL CMU FURNISHED FOR THE PROJECT MEETS PROJECT IREMENTS AS SPECIFIED IN THESE DRAWINGS.

NICAL DATA SHEETS FOR SEALANTS, COATINGS AND ACCESSORY PRODUCTS.

AREAS OF AT LEAST TWO (2) SQUARE FEET IN SIZE SHOWING EACH OF THE FOLLOWING: E SPECIFIED OR APPROVED MORTAR MIX. AMPLE OF PROPERLY INSTALLED REPLACEMENT CMU.

IRAL STEEL

NICAL DATA SHEETS FOR PRIMER AND PAINT TO BE USED ON STEEL.

ANEOUS METALS

NICAL DATA SHEETS FOR COATINGS.

AND MOISTURE PROTECTION SUBMITTALS

PPLIED FIRE RESISTANT MATERIAL (SFRM) OR INTUMESCENT PAINT:

MCAL DATA SHEETS FOR FIRE RESISTIVE MATERIAL.

E PROTECTION

NICAL DATA SHEETS FOR WATERTIGHT EXPANSION JOINT SYSTEM.

NICAL DATA SHEETS FOR WATERPROOFING SYSTEM, INCLUDING PRIMER, LIQUID MEMBRANE, WATERSTOPS, TAPE AND ACCESSORIES.

FICATION LETTER FROM THE WATERPROOFING MANUFACTURER STATING THAT THE CONTRACTOR IS AN OVED APPLICATOR OF THE SYSTEM TO BE UTILIZED.

UMENTATION FROM THE WATERPROOFING MANUFACTURER STATING THE CONTRACTOR HAS REGISTERED THE ECT WITH THE MANUFACTURER.

LLATION LETTER FROM THE WATERPROOFING MANUFACTURER STATING THE SYSTEM TO BE UTILIZED AND BILITY TO OBTAIN THE WARRANTY SPECIFIED.

FOOT BY 4-FOOT MOCKUP OF THE NEW FLUID-APPLIED WATERPROOFING MEMBRANE INSTALLED UNDER RVISION OF A TECHNICAL REPRESENTATIVE FROM THE MANUFACTURER.

TION AND FOUNDATION

ITTEN SEQUENCE OF OPERATIONS.

ED AND SEALED SHOP DRAWINGS AND CALCULATION FOR ANY EXCAVATION SHEETING, SHORING, BRACING UNDERPINNING REQUIRED.

- SUBMITTALS (CONTINUED
- 3. TECHNICAL DATA ON COMPACTION EG
- 4. CERTIFICATES OF COMPLIANCE FOR ALL
- 5. VALID CERTIFICATION FOR COMPACTIO
- 6. ENGINEER'S REPORT ON DEWATERING S DRAWINGS.
- 7. STRUCTURAL STEEL SUBMITTALS FOR ANY
- 8. CONCRETE SUBMITTAL FOR ANY CONCR
- 9. TIMBER SUBMITTALS FOR ANY TIMBER INC
- 10. TECHNICAL DATA FOR ANY PROPOSED
- 11. ALL PRE-CONSTRUCTION SURVEYS AND

DEWATERING:

- 1. SIGNED AND SEALED SHOP DRAWIN DISCHARGE AND DISPOSAL.
- 2. SIGNED AND SEALED DESIGN CALCUL CAPABILITIES TO MEET REQUIRED PERFC
- 3. WRITTEN CONTROL PROCEDURES TO BE

CONSTRUCTION SAFEGUA

- 1. THE CONTRACTOR'S CONSTRUCTION AN BUILDING CODE REGARDING SAFEGUAR
- 2. ALL DEBRIS SHALL BE CLEANED DAILY A PLACED, SECURED AND COVERED IN AC
- 3. WASTE MATERIAL SHALL BE REMOVED PUBLIC RIGHTS-OF-WAY ARE NOT INJU DISPOSED OF ACCORDING TO SECTION
- 4. REQUIRED MEANS OF EGRESS, INCLUDIN
- 5. THE CONTRACIOR SHALL PROVIDE TH DEMOLITION PER CHAPTER 33 OF THE NY
- NOTIFICATION OF THE DEPARTMENT OF SECTION 3306.3.1 OF THE NYC BUILDING
- 7. NOTIFICATION OF ADJOINING PROPERT DEMOLITION PER SECTION 3306.3.2 OF T
- 8. ALL REMOVALS SHALL BE PERFORMED US
- 9. USE OF MECHANICAL DEMOLITION EQU SHALL SUBMIT REQUIRED DOCUMENTS AND SHALL PROVIDE SPECIAL INSPECTION CHAPTER 17 OF THE NYC BUILDING CODE
- 10. ALL LIVE LOADS SHALL BE REMOVED FRO ELEMENTS BEING DEMOLISHED SHALL SUP
- 11. DUST CONTROL MEASURES SHALL BE TAKE
- 12. DEMOLITION OF WALLS AND PARTITIONS

QUIPMENT PROPOSED FOR EACH TYPE OF EG	QUIPMENT.		RAND		
L FILL, BACKFILL AND SUBGRADE AGGREGATE MATERIALS.			ENGINEERING & ARCHITECTURE, DPC		
ON AND DENSITY TESTING TECHNICIANS.			159 WEST 25TH STREET NEW YORK, NY 10001		
CHEME ALONG WITH ASSOCIATED SIGNED A	and sealed calculations and	TEL OWNER:	(212) 675-8844/ FAX (212) 691-7972		
STEEL INCORPORATED INTO THE WORK.		6469 BROA 6469 BROA	ADWAY HDFC, INC. ADWAY SELFHELP, LLC ELP COMMUNITY SERVICES		
RETING OPERATIONS INCORPORATED INTO T	HE WORK.	520 8th AV	/ENUE, 5th FLOOR (, NY, 10018		
CORPORATED INTO THE WORK.		Tel: (212) 9 Attn: SUSA	71-7746 N WRIGHT		
ENGINEERED PRODUCTS/SYSTEMS INCORPO	RATED INTO THE WORK.	emaii: swn	ght@selfhelp.net		
MONITORING PLANS REQUIRED BY THE NYC BUILDING CODE.			PROPERTY MANAGER: BRONX PRO GROUP 1605 MLK Jr. BLVD. BRONX, NY, 10453 Tel: (718) 684-5556		
NGS SHOWING DEWATERING SYSTEM ELI	ements including means of	Attn: EMRUSH ZEQAJ Email: ezeqaj@bronxprogroup.com			
ATIONS FOR THE DEWATERING SYSTEM DEMORGANCE CRITERIA.	ONSTRATING PROPOSED SYSTEM'S				
ADOPTED IF PROBLEMS ARISE WITH THE DEW	ATERING SYSTEM.	r			
ARD NOTES					
ND DEMOLITION OPERATIONS SHALL BE GOV RDS OF THE PUBLIC AND OF PROPERTY. OSH		KEY PLAN:			
AND DISPOSED OF IN APPROPRIATE CONTAI CCORDANCE WITH CHAPTER 33.	NERS. SUCH CONTAINERS SHALL BE		Post Road		
IN SUCH A MANNER TO ENSURE THAT PERS RED OR DAMAGED. CONCRETE WASHOUT 3303.15 OF THE NYC BUILDING CODE. IG TEMPORARY ELEVATORS/HOISTS SHALL BE	water shall be collected and		WEST 256TH STREET		
IE REQUIRED PROTECTION OF PERSONS AI (C BUILDING CODE.	ND PROPERTY PRIOR TO STARTING				
BUILDINGS IS REQUIRED 24 TO 48 HOURS PE CODE.	RIOR TO STARTING DEMOLITION PER				
Y OWNERS IS REQUIRED IN WRITING 10 DAYS HE NYC BUILDING CODE.	PRIOR TO THE SCHEDULED START OF	11/04/24 10/25/24	ISSUED FOR BID ISSUED FOR CLIENT REVIEW	AC AC	
SING HAND HELD TOOLS.		10/04/24 rev. date	50% CD DESCRIPTION	AC DRAWN BY	
UIPMENT IS SUBJECT TO THE APPROVAL OF TO THE DEPARTMENT PRIOR TO PROCEEDIN ON OF MECHANICAL DEMOLITION METHOD DE.	G WITH MECHANICAL DEMOLITION	SEAL & SIGNAT	IURE:		
OM AREAS WHERE STRUCTURAL ELEMENTS AF PPORT SELF-WEIGHT ONLY.	RE BEING DEMOLISHED. STRUCTURAL	PROJECT DESC		- 1	
EN.			ED CELLAR LEVE IR PROGRAM	IL.	
S IS GOVERNED BY SECTION 3306.9.9 OF THE	NYC BUILDING CODE.				
			_		
			BROADWAY NX, NY 10471		
		SHEET TITLE: STRUCTURAL NOTES			
	DOB NOW #:	RAND JOB #:	M201205 AS NOTED		
	DOB STAMP.	DATE:	10/04/24		
	dob stamp:	DRAWING BY:	AC		
	SUPERCE		ieets: 02 OF 14		
		FC)-001.0		

72	I-IN-PLACE CONCRETE	CAS
1.	CONCRETE WORK SHALL BE PERFORMED IN ACCORDANCE WITH ACI 117, ACI 301 AND ACI 318.	26.
2.	CONCRETE SHALL BE SUPPLIED BY A LICENSED COMMERCIAL READY-MIX CONCRETE PLANT CONFORMING TO ASTM C94 AND ASTM C685. BOTH THE PLANT AND THE TRUCK DRIVER SHALL BE CERTIFIED BY THE NATIONAL READY MIX CONCRETE ASSOCIATION (NRMCA), AND APPROVED BY THE NEW YORK CITY DEPARTMENT OF BUILDINGS.	
3.	CONCRETE CANNOT BE PROPORTIONED WITHOUT FIELD EXPERIENCE (BAG MIX NOT AN ACCEPTABLE SUBSTITUTION).	27.
4.	HOT WEATHER CONCRETE WORK SHALL CONFORM TO ACI 305.1.	28.
5.	COLD WEATHER CONCRETE WORK SHALL CONFORM TO ACI 306.1.	
6.	HYDRAULIC (PORTLAND) CEMENT SHALL CONFORM TO ASTM C150, TYPE I, II OR III.	29.
7.	AGGREGATE SHALL CONFORM TO ASTM C 33 UNLESS NOTED OTHERWISE.	30.
8.	MIXING WATER SHALL BE CLEAN POTABLE WATER FREE OF INJURIOUS FOREIGN MATTER CONFORMING TO THE REQUIREMENTS OF ASTM C1602.	POS
9.	FLY ASH SHALL CONFORM TO ASTM C 618.	1. INSTA
10.	SILICA FUME SHALL CONFORM TO ASTM C 1240.	2. THE INST/
11.	SLAG SHALL CONFORM TO ASTM C989.	REC(ANC
12.	CALCIUM CHLORIDE SHALL NOT BE USED IN THE CONCRETE MIX.	3. ANC
13.	ADMIXTURES SHALL MEET THE REQUIREMENTS OF THE FOLLOWING:	TO E
	 A. AIR-ENTRAINING ADMIXTURES - ASTM C 260. B. CHEMICAL ADMIXTURES - ASTM C 494. C. CHEMICAL ADMIXTURES FOR USE IN PRODUCING FLOWING CONCRETE - ASTM C 1017. 	4. ALL PATC
14.	REINFORCING STEEL: ASTM A615 GRADE 60 STEEL SHALL BE USED WHERE REINFORCING STEEL IS NOT TO BE WELDED. A706 GRADE 60 STEEL SHALL BE USED WHERE REINFORCING BARS ARE TO BE WELDED.	5. PRO A.
15.	EPOXY-COATING OF REINFORCING BARS SHALL CONFORM TO ASTM A775.	В.
16.	MAXIMUM CONCRETE UNIT WEIGHT SHALL BE 150 PCF FOR NORMAL WEIGHT CONCRETE.	C.
17.	CONCRETE SHALL BE NORMAL WEIGHT WITH MAXIMUM WATER-CEMENT RATIO OF 0.50 AND MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 6000 PSI FOR ALL CONCRETE.	D.
8.	MAXIMUM SLUMP (UNLESS NOTED OTHERWISE): A. 4 INCHES +/- 1 INCH FOR CONVENTIONAL MIXES B. 8 INCHES +/- 1 1/2 INCHES AFTER PLASTICIZING ADMIXTURES ARE ADDED	E. F.
19.	ALL FINISHED EXPOSED CONCRETE SURFACES SHALL BE FREE FROM FINS, BULGES, RIDGES, OFFSETS, BUGHOLES LARGER THAN ¹ /2", HONEYCOMBING, OR ROUGHNESS OF ANY KIND, AND SHALL PRESENT A FINISHED, SMOOTH, CONTINUOUS HARD SURFACE AS DESCRIBED HEREIN. ALL SURFACE DEFICIENCIES SHALL BE PATCHED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.	6. EXCI TYPE A. i.
20.	DEVIATIONS FROM PLUMB, LEVEL AND FROM THE ALIGNMENT, PROFILES, AND DIMENSIONS SHOWN ON THE DRAWINGS SHALL CONFORM TO ACI 117 & NYC BUILDING CODE. FLATNESS AND LEVELNESS OF NEW SLABS SHALL BE DETERMINED ACCORDING TO ASTM E1155 AND SHALL CONFORM TO ACI 302.1.	ii
21. NE	INTERIOR FLOOR SLAB SHALL RECEIVE A STEEL TROWEL FINISH. EXTERIOR SLABS AND SIDEWALKS SHALL RECEIVE A COARSE BROOM FINISH UNLESS NOTED OTHERWISE. SLABS THAT WILL RECEIVE WATERPROOFING OR PAVERS ON A MORTAR BED SHALL RECEIVE A BULLFLOAT FINISH. W SLEEVE DOWELS ALONG DOWELED EXPANSION JOINTS SHALL CONSIST OF A PROLYPROPYLENE SLEEVE TO ACCEPT HALF THE LENGTH OF A 18-INCH-LONG 1/2" DIAMETER DOWEL, PROVIDE SPEED DOWEL MANUFACTURED BY SIKA	B. i. ii
22.	GREENSTREAK OR APPROVED EQUAL. MATERIALS FOR CONCRETE FORMS, FORMWORK, AND FALSEWORK SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:	ii
	 A. EXCEPT AS OTHERWISE EXPRESSLY ACCEPTED BY RAND, ALL LUMBER BROUGHT ON THE JOB SITE FOR USE AS FORMS, SHORING, OR BRACING SHALL BE NEW MATERIAL. B. LUMBER SHALL BE DOUGLAS FIR OR SOUTHERN PINE, CONSTRUCTION GRADE OR BETTER, IN CONFORMANCE 	7. ANC PUBL SUBS
	WITH U.S. PRODUCT STANDARD PS20. C. PLYWOOD FOR CONCRETE FORMWORK SHALL BE NEW, WATERPROOF, SYNTHETIC RESIN BONDED, EXTERIOR TYPE DOUGLAS FIR OR SOUTHERN PINE PLYWOOD MANUFACTURED ESPECIALLY FOR CONCRETE FORMWORK	OF F PRO 8. SUBS
	 AND SHALL BE EDGE SEALED. D. FORM RELEASE COMPOUND SHALL BE NON-STAINING, CLEAR COATING, FREE FROM OIL, SILICONE, WAX, AND NON-GRAIN RAISING. WHERE FORM LINERS ARE USED, PROVIDE FORM COMPOUND RECOMMENDED BY FORM LINER MANUFACTURER. HOWEVER, REGARDLESS OF PRODUCT USED, PROVIDE FORM COMPOUND THAT IS VOC COMPLIANT FOR THE AREA USED. 	WITH AVA CON INCI
23.	PROVIDE ACCESSORIES NECESSARY TO PROPERLY SUPPORT REINFORCING AND WELDED WIRE FABRIC AS SHOWN ON PLANS. MANUFACTURED SUPPORTS FROM STEEL WIRE, PLASTIC, OR PRECAST CONCRETE OF GREATER COMPRESSIVE STRENGTH THAN CONCRETE, ACCORDING TO CRSI'S "MANUAL OF STANDARD PRACTICE" AND AS FOLLOWS:	9. ALL QUA UPW ANC
	 A. FOR CONCRETE SURFACES EXPOSED TO VIEW WHERE LEGS OF WIRE BAR SUPPORTS CONTACT FORMS, USE CRSI CLASS 1 PLASTIC-PROTECTED STEEL WIRE OR CRSI CLASS 2 STAINLESS-STEEL BAR SUPPORTS. B. FOR EPOXY-COATED REINFORCEMENT, USE EPOXY-COATED OR OTHER DIE-ELECTRIC-POLYMER-COATED WIRE BAR SUPPORTS. 	ANC INSP 10. PRO
24.	MECHANICAL COUPLERS FOR CONNECTING NEW REBAR TO EXISTING REBAR SHALL BE LOCK SHEAR BOLT COUPLERS WITH SERRATED GRIPPING RAILS. PROVIDE D250L BAR LOCK L-SERIES COUPLERS, MANUFACTURE BY DAYTON SUPERIOR CORP., OR APPROVED EQUAL.	CON ESTA 11. THE I BON
25.	Bonding agent for the new concrete shall be a 3-component, solvent-free, moisture-tolerant, Epoxy-modified, cementitious product. provide "sika armatec 110 epocem" manufactured by sika,	BUN

T-IN-PLACE CONCRETE CONTINUED

WATER SHALL NOT BE ADDED TO THE MIX AFTER TESTING SAMPLES HAVE BEEN COLLECTED. THE CONTRACTOR SHALL NOTIFY THE SPECIAL INSPECTOR PRIOR TO ADDING ANY WATER TO THE MIX, AND SHALL ADD WATER IN ACCORDANCE WITH ASTM C94. THE CONTRACTOR SHALL NOT EXCEED THE SPECIFIED WATER - CEMENT RATIO. THE CONTRACTOR SHALL NOT ADD WATER TO CONCRETE AFTER PLASTICIZERS OR WATER REDUCING ADMIXTURES ARE ADDED. RETEMPERING OF CONCRETE AFTER SAMPLING IS PERFORMED IS PROHIBITED.

CONCRETING OPERATIONS SHALL BE PERFORMED AT SUCH A RATE THAT CONCRETE REMAINS PLASTIC DURING PLACEMENT AND FLOWS READILY INTO SPACES BETWEEN REINFORCEMENT. CONCRETE THAT HAS PARTIALLY HARDENED SHALL NOT BE DEPOSITED INTO THE STRUCTURE.

DO NOT ALLOW FORM RELEASE AGENT TO COME IN CONTACT WITH REINFORCING STEEL OR HARDENED CONCRETE AGAINST WHICH FRESH CONCRETE IS TO BE PLACED.

PROVIDE ADDITIONAL REINFORCING BARS TO TRIM ALL OPENINGS, NOTCHES, AND REENTRANT CORNERS AS NOTED IN TYPICAL DETAILS.

REFER TO WATERPROOFING NOTES FOR STRUCTURAL WATERPROOFING.

INSTALLED ANCHORS

ALL ANCHORS PER THE MANUFACTURER INSTRUCTIONS, AS INCLUDED IN THE ANCHOR PACKAGING.

CONTRACTOR SHALL ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE ALLATION TRAINING FOR ALL OF THEIR ANCHORING PRODUCTS SPECIFIED. THE STRUCTURAL ENGINEER OF ORD MUST RECEIVE DOCUMENTED CONFIRMATION THAT ALL OF THE CONTRACTOR'S PERSONNEL WHO INSTALL CHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF INSTALLING ANCHORS.

CHOR CAPACITY IS DEPENDENT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS EDGE. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE WINGS.

MISPLACED OR MALFUNCTIONING ANCHORS SHALL BE REMOVED AND REPLACED. EMPTY HOLES SHALL BE CHED WITH HIGH STRENGTH, NON-SHRINK GROUT.

- OF LOAD TESTING REQUIREMENTS FOR POST-INSTALLED ANCHORS INCLUDE:
- PROOF LOAD TESTING SHALL BE PERFORMED BY AN INDEPENDENT TESTING AGENCY EMPLOYED BY THE OWNER OR OWNER'S REPRESENTATIVE.
- THE INSTALLATION OF ANCHORS FOR PROOF LOAD TESTING AND THE PROOF LOAD TESTING PROCESS SHALL BE CONTINUOUSLY OBSERVED BY THE SPECIAL INSPECTOR.
- A MINIMUM OF 3 ANCHORS OR 20% OF ANCHORS, WHICHEVER IS GREATER, SHALL BE RANDOMLY TESTED FOR EACH INSTALLATION TYPE INCLUDING: ANCHOR TYPE, ANCHOR SIZE, EMBEDMENT DEPTH, BACKUP MATERIAL, SPACING AND EDGE DISTANCE.
- THE PROOF LOAD SHALL BE HELD FOR ONE MINUTE WITHOUT VISUAL MOVEMENT OR LOAD REDUCTION IN ORDER TO BE ACCEPTABLE.
- FAILURES SHOULD BE REPORTED TO THE DESIGN PROFESSIONAL OF RECORD.
- TEST REPORTS SHALL INCLUDE ALL INFORMATION REQUIRED BY NYC BUILDING BULLETIN 2016-005.

EPT WHERE INDICATED ON THE DRAWINGS, ADHESIVE ANCHORS SHALL CONSIST OF THE FOLLOWING ANCHOR ES OR APPROVED EQUAL:

- ANCHORAGE TO HOLLOW/MULTI-WYTHE UNIT MASONRY:
- HILTI HIT-HY 270 MASONRY ADHESIVE ANCHORING SYSTEM.
- . STEEL ANCHOR ELEMENT SHALL BE HILTI HAS-V CONTINUOUSLY THREADED ROD OR CONTINUOUSLY DEFORMED STEEL REBAR, UNLESS OTHERWISE NOTED.
- i. CORROSION RESISTANT STEEL ANCHOR ELEMENT SHALL BE HILTI HAS-V HDG OR HILTI HAS-R 304 SS, UNLESS OTHERWISE NOTED.
- In the appropriate size hit-sc screen tube shall be used per adhesive manufacturer's Recommendation. Anchorage to concrete:
- HILTI HIT-HY 200 CONCRETE ADHESIVE ANCHORING SYSTEM.
- STEEL ANCHOR ELEMENT SHALL BE HILTI HAS-V CONTINUOUSLY THREADED ROD OR CONTINUOUSLY DEFORMED STEEL REBAR, UNLESS OTHERWISE NOTED.
- . CORROSION RESISTANT STEEL ANCHOR ELEMENT SHALL BE HILTI HAS-V HDG OR HILTI HAS-R 304 SS, UNLESS OTHERWISE NOTED.

CHOR CAPACITY USED IN CONCRETE ANCHOR DESIGN SHALL BE BASED ON ACI 318 APPENDIX D AND ON LISHED TECHNICAL DATA OR SUCH OTHER METHOD AS APPROVED BY THE STRUCTURAL ENGINEER OF RECORD. STITUTION REQUESTS FOR ALTERNATE PRODUCTS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER RECORD PRIOR TO USE. CONTRACTOR SHALL PROVIDE CALCULATIONS DEMONSTRATING THAT THE SUBSTITUTED DUCT IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED PRODUCT.

TITUTIONS WILL BE EVALUATED BY THEIR HAVING AN ICC-ES EVALUATION REPORTS SHOWING COMPLIANCE I THE RELEVANT BUILDING CODE FOR SEISMIC USES, LOAD RESISTANCE, INSTALLATION CATEGORY, AND ILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS. ADHESIVE ANCHOR EVALUATION WILL ALSO ISIDER CREEP, IN-SERVICE TEMPERATURE AND INSTALLATION TEMPERATURE. APPLICABLE EVALUATION CRITERIA UDES: ICC-ES AC01, AC58, AC106, AC 193, AC308 AND ACI 355.4

INSTALLERS OF POST-INSTALLED ANCHORS IN CONCRETE SHALL BE CERTIFIED BY ACI/CRSI AND THE ALIFICATIONS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD. WHERE THE INSTALLER OF HORIZONTAL, /ARDLY INCLINED OR OVERHEAD ANCHORS IS NOT CERTIFIED BY ACI/CRSI, THEY MUST BE TRAINED BY THE CHOR MANUFACTURER AND THE CONTRACTOR SHALL PROVIDE PROOF LOAD TESTING OF 20% OF EACH CHOR TYPE INSTALLED. INSTALLATIONS FOR PROOF LOADS SHALL BE CONTINUOUSLY OBSERVED BY THE SPECIAL ECTOR. PROOF LOADS FOR INSTALLER CERTIFICATION SHALL BE ACCORDING TO BUILDING BULLETIN 2015-027.

OF LOAD TESTING FOR ADHESIVE, MECHANICAL AND SCREW-TYPE ANCHORS IS REQUIRED, UNLESS NTRACTOR CAN PROVIDE APPLICABLE PERFORMANCE LOADING TABLE FOR IDENTICAL MATERIAL CONDITIONS NBLISHED IN ACCORDANCE WITH ICC-ES ACCEPTANCE CRITERIA.

PROOF LOAD FOR POST-INSTALLED ANCHORS SHALL BE EQUAL TO 50% OF THE EXPECTED PEAK LOAD BASED ON ID STRENGTH OR 80% OF THE ANCHOR YIELD STRENGTH WHICHEVER IS LESS.

MASONRY

- . MASONRY WORK SHALL CONFOR STRUCTURES" AND TMS 602/ACI 53 YORK CITY BUILDING CODE.
- 2. HOT AND COLD WEATHER CONSTRU
- . MASONRY UNITS SHALL BE LAID IN R
- I. THE FINAL MORTAR DESIGN MIX, C RAND. THE CONTRACTOR SHALL SU COORDINATED TEST PANELS, SAMPL
- 5. PORTLAND CEMENT SHALL CONFOR NOT BE USED.
- 6. HYDRATED LIME SHALL CONFORM T
- . WATER USED FOR MIXING MORTAR SHALL COMPLY WITH ACI 318, SECTI
- 8. SAND FOR MORTAR MIXES SHALL BE NOT CONTAIN CHLORIDES CONFOR
- 9. WHEN USED FOR REPAIR OF EXISTI CONDITIONS AS CLOSELY AS POSSIE
- 10. THE USE OF ANTIFREEZE COMPOU MORTAR IS STRICTLY FORBIDDEN.
- MORTAR FOR NEW MASONRY SHAL
 A. TYPE N FOR NEW FACE BRICH
 B. TYPE S FOR NEW LOAD-BEAR
 C. TYPE M FOR NEW WALLS LOOP
- 9. MORTAR MIX SHALL CONFORM TO STRENGTH:
- A. TYPE N: (1) PART PORTLAN
 - MINIMUM COMPRESSIVE STRI B. TYPE S: (1) PART GRAY CE
 - STRENGTH SHALL BE 1,800 PS
 - C. TYPE M: (1) PART GRAY C STRENGTH SHALL BE 2,500 PS
 - 10. MORTAR FOR RE-POINTING SHAL COMPOSITION, STRENGTH, DURABIL THE CONTRACTOR SHALL TEST THE E DESIGN MIX TO MATCH THE EXISTING
 - 11. PREBLENDED MORTAR MIXES CON ACCEPTABLE. MORTAR SHALL BE INSTRUCTIONS.
 - 12. HAND MIXING OF MORTAR IS NOT P
 - 13. MORTAR COLORING SHALL CONTAI CHROMIUM OXIDES COMPOUNDED COLORING SHALL NOT CONTAIN AL
 - 14. MORTAR JOINTS SHALL BE CONSTRU
 - A. STANDARD BED AND HEAD JB. WHERE COLLAR JOINTS ARE
 - SHALL NOT EXCEED 3/4".
 - C. FOR SOLID UNITS, JOINTS SHA D. FOR HOLLOW UNITS JOINTS S

 - E. TOOL JOINTS IN EXPOSED MA
 - 15. PROVIDE CONTINUOUS GROUT-FIL REINFORCEMENT SHALL BE CONTINU CORNERS.
 - 16. MASONRY ACCESSORIES SHALL BE NOTED OTHERWISE.
 - 17. NEW MASONRY WALLS SHALL C HORIZONTAL REINFORCEMENT WITH
 - 18. SEE ARCHITECTURAL DRAWINGS I INCLUDING WATERPROOFING, FLAS
 - 19. PROVIDE NEW MASONRY TIES AS R FOR MASONRY TIE SYSTEM AND SPA
 - 20. MASONRY TIES AND REINFORCI HOHMANN & BARNARD OR-EQUAL.
 - 21. COMPRESSIBLE FILLER SHALL BE SILIC AS HILTI CFS-S SIL OR APPROVED EQ
 - 22. REBAR FOR MASONRY SHALL BE:
 - A. ASTM A615 B. ASTM A715 WHERE WELDING OI
 - C. ASTM A775 FOR EPOXY COATED
 - D. ASTM A775 FOR EI OAT COATED
 - E. ASTM A955 FOR STAINLESS STEEL

ORM TO TMS 402/ACI 530 "BUILDING CODE REQUIREMENT FO 530.1 "SPECIFICATIONS FOR MASONRY STRUCTURES" AS AMENDED		📕 R	AND			
RUCTION SHALL CONFORM TO ACI 530.1, SECTION 1.8.			ENGINEERING & ARCHITECTURE, DPC 159 WEST 25TH STREET NEW YORK, NY 10001			
RUNNING BOND UNLESS OTHERWISE NOTED.			. (212) 675-8844/ FAX (212) 691-7972	2		
COLOR, AND TEXTURE MUST BE APPROVED BY THE OWNER, AND ACCEPTED BY SUBMIT ALL REQUIRED ITEMS INCLUDING TECH DATA, TESTING REPORTS, ETC. AND PLES, ETC. WITH RAND. ORM TO ASTM C150, TYPE 1. MASONRY CEMENT AND MASONRY MORTAR SHALL			OWNER: 6469 BROADWAY HDFC, INC. 6469 BROADWAY SELFHELP, LLC c/o SELFHELP COMMUNITY SERVICES 520 8th AVENUE, 5th FLOOR NEW YORK, NY, 10018			
		Tel: (212) 93 Attn: SUSAI Email: swrig				
TO ASTM C207, TYPE "S".						
R SHALL BE POTABLE, CLEAN AND FREE OF CONTAMINATION OR SE TION 3.4.	EDIMENT AND	PROPERTY MAN BRONX PRO 1605 MLK J BRONX, NY	D GROUP r. BLVD. 7, 10453			
BE NATURAL WASHED SAND WITH 100% PASSING THE NUMBER 8 SIEV DRMING TO ASTM C144.	/E AND SHALL	Tel: (718) 684-5556 Attn: EMRUSH ZEQAJ Email: ezeqaj@bronxprogroup.com				
TING MASONRY, SAND COLOR, SIZE AND TEXTURE SHALL MATCH SIBLE WITHOUT THE ADDITION OF ADDITIVES.	THE EXISTING					
ounds, air entraining agents, chlorides, and/or bonding	g agents in					
all BE: CK AND NON-LOAD BEARING WALLS ARING MASONRY WALLS DCATED BELOW FINAL FINISHED GRADE		KEY PLAN:	INDICATES OF CELLA	S LOCATION R REPAIR		
) ASTM C270 AND HAVE THE FOLLOWING MIX PROPORTIONS AND (Compressive					
ND CEMENT, (1) PART HYDRATED LIME AND NOT MORE THAN (6) RENGTH SHALL BE 750 PSI AT 28 DAYS. CEMENT, (1/2) PART LIME, (4-1/2) PARTS DRY SAND. MINIMUM (PSI AT 28 DAYS.			POST ROAD BROADWAY	N N		
CEMENT, (1/4) PART LIME, (3-3/4) PARTS DRY SAND. MINIMUM (SI AT 28 DAYS.	Compressive		WEST 256TH STREET			
ALL BE COMPATIBLE WITH THE EXISTING MORTAR IN TERMS O BILITY, COLOR, ETC. WHERE THE EXISTING AND NEW MORTARS ARE E EXISTING MORTAR TO DETERMINE ITS PROPERTIES AND PROVIDE A N NG PROPERTIES.	IN CONTACT.					
NTAINING PORTLAND CEMENT, LIME AND SAND BY SPEC-MIX OR BE MECHANICALLY MIXED IN ACCORDANCE WITH THE MAN		11/04/24	ISSUED FOR BID	AC		
PERMITTED.		10/25/24 10/04/24	ISSUED FOR CLIENT REVIEV 50% CD	AC		
AIN ONLY PURE MINERAL PIGMENTS, NATURAL AND SYNTHETIC IRON DED FOR USE IN MORTAR MIXES. MATERIAL SHALL CONFORM TO ALKALYDE SALTS OR CHLORIDES. NO LIQUID COLORANTS SHALL BE PE	ASTM C979.	REV. DATE SEAL & SIGNATI	DESCRIPTION URE:	DRAWN BY		
Ructed as follows unless noted otherwise: Joint Thickness Shall be 3/8". Re Specified, Joints Shall be filled solid, Shall not be less th	ian 3/8" and					
IALL BE LAID WITH FULL HEAD AND BED JOINTS. SHALL BE FULLY MORTARED THROUGH THE FULL THICKNESS OF MASC RE FULLY MORTARED. MASONRY WITH CONCAVE, SMOOTH JOINTING TOOL.	ONRY SO THAT		ED CELLAR LEY IR PROGRAM			
FILLED BOND BEAMS AS SHOWN ON PLANS AND DETAILS. B NUOUS THROUGH CONTROL JOINTS. PROVIDE ADDITIONAL LAPPED B		project loca				
BE GALVANIZED OR STAINLESS STEEL UNLESS			IX, NY 10471			
CONTAIN CONTINUOUS S.S. TRUSS TYPE TH (2) #9 WIRES, AT 16'' O.C. MAXIMUM. FOR ADDITIONAL CAVITY WALL DETAILS ASHING, WEEPS, INSULATION, ETC.		SHEET TITLE:	CTURAL NOTE	S		
REQUIRED. SEE ARCHITECTURAL DRAWINGS						
CEMENT SHALL BE MANUFACTURED BY		RAND JOB #: SCALE:	M201205 AS NOTED			
LICONE BASED FIRESTOPPING SEALANT SUCH DOB STAMP: EQUAL.		DATE: DRAWING BY:	10/04/24 AC			
		REVIEWED BY:	EG/JV			
OF REBAR IS REQUIRED		NUMBER OF SHI	eets: 03 OF 14			
D REBAR OF REINFORCING BARS						
EL REBAR		F)-002.			

A	Sonry (Continued)
1.	NEW HOLLOW CMU MASONRY UNITS SHALL BE NORMAL WEIGHT UNITS CONFORMING TO ASTM C90.
2.	THE COMPRESSIVE STRENGTH OF CONCRETE MASONRY ASSEMBLY IS BASED ON THE UNIT STRENGTH METHOD. THE MINIMUM COMPRESSIVE STRENGTH OF MASONRY SHALL BE 1500 PSI BASED ON A 2,150 PSI TEST STRENGTH OF MASONRY UNITS ON THE NET CROSS-SECTIONAL AREA.
3.	DO NOT WET CONCRETE MASONRY UNITS BEFORE LAYING. WET CUTTING IS PERMITTED.
4.	PROVIDE CONTROL JOINTS AT 20'-0" O.C. (MAX.)
5.	CORES WITH VERTICAL REINFORCEMENT SHALL BE GROUTED SOLID
6.	GROUT SHALL BE FINE TYPE CONFORMING TO ASTM C476 CONSISTING OF (1) PART PORTLAND CEMENT AND (2.25) TO (3) PARTS SAND WITH MINIMUM COMPRESSIVE STRENGTH OF F'C=2,000 PSI. GROUT IN NEW WALLS SHALL BE INSTALLED IN 5'-0'' MAX. LIFTS.
7.	PROVIDE ADDITIONAL VERTICAL #5 REINFORCEMENT AT DOOR JAMBS, WALL ENDS AND CORNERS.
$\langle C$	CAVATION AND FOUNDATIONS
1.	ALL STRUCTURES SHALL BE FOUNDED ON A MINIMUM ALLOWABLE BEARING PRESSURE OF [3] TSF. THE SOIL SUBGRADES SHALL BE RELATIVELY UNDISTURBED SELECT MATERIAL, NATURAL SOIL OR ROCK AND SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER OVERSEEING CONSTRUCTION.
2.	ALLOWABLE SUBSURFACE CONDITIONS ARE DESCRIBED IN A GEOTECHNICAL REPORT PRODUCED BY GZA GEO ENVIRONMENTAL OF NEW YORK DATED JANUARY 20 TH , 2015.
	THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITY LINES, SEWERS, AND FUEL STORAGE TANKS TO AVOID ANY DAMAGE. CONTRACTOR SHALL CONTACT "DIG SAFELY" NEW YORK (DIAL 811). ALL FOUNDATIONS SHALL BE POURED ON DRY SOIL OR ROCK. ALL EXCAVATIONS SHALL BE FREE OF STANDING WATER, FROST, MUD, AND ICE PRIOR TO PLACEMENT OF CONCRETE.
5.	CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING, SHEETING, OR BRACING REQUIRED TO MAINTAIN A SAFE, DRY AND STABLE EXCAVATION.
6.	DEWATERING OF THE SITE DURING CONSTRUCTION, INCLUDING SYSTEM DESIGN/SELECTION AND PREPARATION OF ASSOCIATED CALCULATIONS, IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. THE SELECTED DEWATERING SYSTEM SHALL BE OF SUFFICIENT SCOPE, SIZE AND CAPACITY TO CONTROL ANY GROUNDWATER FLOW INTO EXCAVATIONS SO THAT CONSTRUCTION CAN PROCEED ON DRY, STABLE SUBGRADE. PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR TO AVOID UNDERMINING EXISTING FOUNDATIONS.
7.	THE TEMPORARY DEWATERING SYSTEM SHALL BE DESIGNED AND FILED BY A LICENSED, PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEW YORK AS A DELEGATED DESIGN SUBMITTAL.
8.	SOIL ADJACENT TO AND BELOW FOOTINGS SHALL BE KEPT FROM FREEZING AT ALL TIMES.
9.	WHERE SUITABLE BEARING SOILS IS NOT ENCOUNTERED AT INDICATED BOTTOM OF FOOTING ELEVATION, CARRY EXCAVATIONS DEEPER AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
10.	PROVIDE A SUB-BASE UNDER ALL INTERIOR SLABS ON GRADE OF 6 INCHES OF COMPACTED, 3/4" CRUSHED STONE.
11.	INSTALL A VAPOR BARRIER UNDER ALL INTERIOR SLABS ON GRADE AS INDICATED ON THE DRAWINGS.
12.	CONTROLLED FILL SHALL BE COMPACTED GRANULAR SOIL WHICH IS FREE OF DEBRIS AND ORGANIC MATERIAL. FILL SHALL BE PLACED IN UNIFORM LAYERS NOT MORE THAN 12" THICK AFTER COMPACTION AND SHALL BE COMPACTED TO 95% OF ITS MAXIMUM DRY DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM D1557. THE FILL MATERIALS SHALL MEET THE REQUIREMENTS OF THE 1968 NYCBC SECTION 27-679.
13.	THE CONTRACTOR MAY PROPOSE TO RE-USE ON SITE SOIL TO BACKFILL EXCAVATIONS. THE CONTRACTOR SHALL RETAIN AN INDEPENDENT TESTING LAB TO SAMPLE AND TEST THE ON-SITE SOILS AND PREPARE A REPORT INDICATING THAT THE SOILS MEET THE PROJECT REQUIREMENTS. IF ON-SITE SOIL DOES NOT MEET THE SPECIFICATIONS, THE CONTRACTOR SHALL BRING IN SOIL FROM OFF-SITE AT HIS OWN EXPENSE.
14.	ALL BLASTED ROCK SHALL BE REMOVED BELOW THE BUILDING. WHERE REQUIRED, RAISE SUBGRADE EVALUATION BY PLACING ³ / ₄ " CRUSHED STONE ON OVER BLASTED AREAS BENEATH FOOTINGS. BLASTING CONTRACTOR SHALL BE RESPONSIBLE FOR COST OF ALL STONE REPLACEMENT.
15.	SUBGRADE SPECIAL INSPECTIONS SHALL BE MADE PRIOR TO TAMPING THE SOIL OR SETTING FOOTING FORMS. THE INSPECTOR SHALL VERIFY THAT SOIL IS SUITABLE FOR THE SUPPORT OF FOUNDATIONS AND IS CONSISTENT WITH THE SOIL IDENTIFIED IN THE SOIL BORING LOGS.
16.	 CONTRACTOR SHALL COMPLY WITH OSHA STANDARDS, INCLUDING (BUT NOT LIMITED TO) THE FOLLOWING: A. THE CONTRACTOR SHALL PROVIDE SAFE ACCESS AND EGRESS TO ALL TRENCHES/EXCAVATIONS. B. THE CONTRACTOR SHALL NOT ALLOW WATER TO ACCUMULATE IN TRENCHES/EXCAVATIONS. C. THE CONTRACTOR SHALL KEEP HEAVY EQUIPMENT AND MATERIALS 2-FEET AWAY FROM EDGE OF EXCAVATION. D. CONTRACTOR SHALL INSPECT TRENCHES/EXCAVATIONS AT THE BEGINNING OF EACH SHIFT.
17.	USE OF FLOWABLE FILL, IN CONFORMANCE WITH DOT SPECIFICATIONS AND THE REQUIREMENTS OF ACI-229R, SHALL BE PERMITTED FOR BACKFILL IN LIEU OF A COMPACTED GRANULAR FILL. E. FLOWABLE FILL SHALL BE COMPOSED OF CONTROLLED LOW-STRENGTH MATERIALS (CLSM) AS DEFINED BY ACI-116R.
	F. FLOWABLE FILL SHALL HAVE A MINIMUM STRENGTH OF 200 PSI AND SHALL BE PLACED IN A MINIMUM OF 3 LIFTS. G. CEMENTITIOUS MATERIAL SHALL CONFORM TO ASTM C150. H. AGGREGATE SHALL CONFORM TO ASTM C33 UNLESS NOTED OTHERWISE. I MIXING WATER SHALL CONFORM TO ASTM C94.



YDROPHILIC WATERSTOPS SHALL BE INSTALLED AT ALL CONCRETE JOINTS AND WHERE NOTED IN THE DRAWINGS. TATERSTOPS SHALL BE GCP ADCOR.

ROUTABLE WATERSTOP FOR NON-MOVING CONCRETE CONSTRUCTION JOINTS AND PENETRATIONS SHALL BE CP DE NEEF INJECTO AND SHALL BE INSTALLED AT ALL CONCRETE CONSTRUCTION JOINTS.

LL ACCESSORY PRODUCTS SHALL BE COMPATIBLE WITH THE INSTALLED SYSTEM'S MATERIALS AND PRODUCTS.

ROVIDE MANUFACTURER'S STANDARD 10-YEAR WATERTIGHNESS WARRANTY FOR THE INSTALLED SYSTEM. THE ONTRACTOR MUST COORDINATE A PRE-INSTALLATION CONFERENCE WITH THE INSTALLER, RAND, AND THE ANUFACTURER'S REPRESENTATIVE.

RACK INJECTION SHALL BE DURAL AQUA-DAM HYDROPHOBIC GROUTING SYSTEM OR DURAL AQUA-FIL

	ENGINEERING & ARCHITECTURE, DPC 159 WEST 25TH STREET		
	NEW YORK, NY 10001 TEL. (212) 675-8844/ FAX (212) 691-7972		
	OWNER: 6469 BROADWAY HDFC, INC.		
	6469 BROADWAY SELFHELP, LLC c/o SELFHELP COMMUNITY SERVICES		
	520 8th AVENUE, 5th FLOOR NEW YORK, NY, 10018		
	Tel: (212) 971-7746 Attn: SUSAN WRIGHT Email: swright@selfhelp.net		
	PROPERTY MANAGER: BRONX PRO GROUP 1605 MLK Jr. BLVD.		
	BRONX, NY, 10453 Tel: (718) 684-5556		
	Attn: EMRUSH ZEQAJ Email: ezeqaj@bronxprogroup.com		
	KEY PLAN:		
	OF CELLAR REPAIR		
	POST ROAD BROADWAY		
	WEST 256TH STREET		
۵	12/10/24 ISSUED FOR ADDENDUM 2 SG2		
	11/04/24 ISSUED FOR BID AC		
	10/25/24ISSUED FOR CLIENT REVIEWAC10/04/2450% CDACREV.DESCRIPTIONDRAWN		
	REV. DESCRIPTION DRAWN DATE BY		
	PROJECT DESCRIPTION:		
	LIMITED CELLAR LEVEL		
	REPAIR PROGRAM		
	PROJECT LOCATION:		
	6469 BROADWAY		
	BRONX, NY 10471		
	SHEET TITLE:		
	STRUCTURAL NOTES		
	RAND JOB #: M201205		
	SCALE: AS NOTED		
	DATE: 10/04/24 DRAWING BY: AC		
	REVIEWED BY: EG/JV		
	NUMBER OF SHEETS: 04 OF 14 SHEET NO.:		
	FO-003.00		

DOB NOW #:

dob stamp:

MASONRY (CONTINUED)

- 1. NEW HOLLOW CMU MASONRY UNITS SHALL BE NORMAL WEIGHT UNITS CONFORMING TO ASTM C90.
- 2. THE COMPRESSIVE STRENGTH OF CONCRETE MASONRY ASSEMBLY IS BASED ON THE UNIT STRENGTH METHOD. THE MINIMUM COMPRESSIVE STRENGTH OF MASONRY SHALL BE 1500 PSI BASED ON A 2,150 PSI TEST STRENGTH OF MASONRY UNITS ON THE NET CROSS-SECTIONAL AREA.
- 3. DO NOT WET CONCRETE MASONRY UNITS BEFORE LAYING. WET CUTTING IS PERMITTED.
- 4. PROVIDE CONTROL JOINTS AT 20'-0" O.C. (MAX.)
- 5. CORES WITH VERTICAL REINFORCEMENT SHALL BE GROUTED SOLID
- 6. GROUT SHALL BE FINE TYPE CONFORMING TO ASTM C476 CONSISTING OF (1) PART PORTLAND CEMENT AND (2.25) TO (3) PARTS SAND WITH MINIMUM COMPRESSIVE STRENGTH OF F'C=2,000 PSI. GROUT IN NEW WALLS SHALL BE INSTALLED IN 5'-0" MAX. LIFTS.
- 7. PROVIDE ADDITIONAL VERTICAL #5 REINFORCEMENT AT DOOR JAMBS, WALL ENDS AND CORNERS.

EXCAVATION AND FOUNDATIONS

- 1. ALL STRUCTURES SHALL BE FOUNDED ON A MINIMUM ALLOWABLE BEARING PRESSURE OF [3] TSF. THE SOIL SUBGRADES SHALL BE RELATIVELY UNDISTURBED SELECT MATERIAL, NATURAL SOIL OR ROCK AND SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER OVERSEEING CONSTRUCTION.
- 2. ALLOWABLE SUBSURFACE CONDITIONS ARE DESCRIBED IN A GEOTECHNICAL REPORT PRODUCED BY GZA GEO ENVIRONMENTAL OF NEW YORK DATED JANUARY 20TH, 2015.
- 3. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITY LINES, SEWERS, AND FUEL STORAGE TANKS TO AVOID ANY DAMAGE. CONTRACTOR SHALL CONTACT "DIG SAFELY" NEW YORK (DIAL 811).
- 4. ALL FOUNDATIONS SHALL BE POURED ON DRY SOIL OR ROCK. ALL EXCAVATIONS SHALL BE FREE OF STANDING WATER, FROST, MUD, AND ICE PRIOR TO PLACEMENT OF CONCRETE.
- 5. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING, SHEETING, OR BRACING REQUIRED TO MAINTAIN A SAFE, DRY AND STABLE EXCAVATION.
- 6. DEWATERING OF THE SITE DURING CONSTRUCTION, INCLUDING SYSTEM DESIGN/SELECTION AND PREPARATION OF ASSOCIATED CALCULATIONS, IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. THE SELECTED DEWATERING SYSTEM SHALL BE OF SUFFICIENT SCOPE, SIZE AND CAPACITY TO CONTROL ANY GROUNDWATER FLOW INTO EXCAVATIONS SO THAT CONSTRUCTION CAN PROCEED ON DRY, STABLE SUBGRADE. PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR TO AVOID UNDERMINING EXISTING FOUNDATIONS.
- 7. THE TEMPORARY DEWATERING SYSTEM SHALL BE DESIGNED AND FILED BY A LICENSED, PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEW YORK AS A DELEGATED DESIGN SUBMITTAL.
- 8. SOIL ADJACENT TO AND BELOW FOOTINGS SHALL BE KEPT FROM FREEZING AT ALL TIMES.
- 9. WHERE SUITABLE BEARING SOILS IS NOT ENCOUNTERED AT INDICATED BOTTOM OF FOOTING ELEVATION, CARRY EXCAVATIONS DEEPER AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
- 10. PROVIDE A SUB-BASE UNDER ALL INTERIOR SLABS ON GRADE OF 6 INCHES OF COMPACTED, 34" CRUSHED STONE.
- 11. INSTALL A VAPOR BARRIER UNDER ALL INTERIOR SLABS ON GRADE AS INDICATED ON THE DRAWINGS.
- 12. CONTROLLED FILL SHALL BE COMPACTED GRANULAR SOIL WHICH IS FREE OF DEBRIS AND ORGANIC MATERIAL. FILL SHALL BE PLACED IN UNIFORM LAYERS NOT MORE THAN 12" THICK AFTER COMPACTION AND SHALL BE COMPACTED TO 95% OF ITS MAXIMUM DRY DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM D1557. THE FILL MATERIALS SHALL MEET THE REQUIREMENTS OF THE 1968 NYCBC SECTION 27-679.
- 13. THE CONTRACTOR MAY PROPOSE TO RE-USE ON SITE SOIL TO BACKFILL EXCAVATIONS. THE CONTRACTOR SHALL RETAIN AN INDEPENDENT TESTING LAB TO SAMPLE AND TEST THE ON-SITE SOILS AND PREPARE A REPORT INDICATING THAT THE SOILS MEET THE PROJECT REQUIREMENTS. IF ON-SITE SOIL DOES NOT MEET THE SPECIFICATIONS, THE CONTRACTOR SHALL BRING IN SOIL FROM OFF-SITE AT HIS OWN EXPENSE.
- 14. ALL BLASTED ROCK SHALL BE REMOVED BELOW THE BUILDING. WHERE REQUIRED, RAISE SUBGRADE EVALUATION BY PLACING ³/₄" CRUSHED STONE ON OVER BLASTED AREAS BENEATH FOOTINGS. BLASTING CONTRACTOR SHALL BE RESPONSIBLE FOR COST OF ALL STONE REPLACEMENT.
- 15. SUBGRADE SPECIAL INSPECTIONS SHALL BE MADE PRIOR TO TAMPING THE SOIL OR SETTING FOOTING FORMS. THE INSPECTOR SHALL VERIFY THAT SOIL IS SUITABLE FOR THE SUPPORT OF FOUNDATIONS AND IS CONSISTENT WITH THE SOIL IDENTIFIED IN THE SOIL BORING LOGS.

16. CONTRACTOR SHALL COMPLY WITH OSHA STANDARDS, INCLUDING (BUT NOT LIMITED TO) THE FOLLOWING:

- A. THE CONTRACTOR SHALL PROVIDE SAFE ACCESS AND EGRESS TO ALL IRENCHES/EXCAVATIONS.
- B. THE CONTRACTOR SHALL NOT ALLOW WATER TO ACCUMULATE IN TRENCHES/EXCAVATIONS.
- C. THE CONTRACTOR SHALL KEEP HEAVY EQUIPMENT AND MATERIALS 2-FEET AWAY FROM EDGE OF EXCAVATION. D. CONTRACTOR SHALL INSPECT TRENCHES/EXCAVATIONS AT THE BEGINNING OF EACH SHIFT.
- D. CONTRACTOR SHALL INSPECT TRENCHES/EACAVATIONS AT THE BEGINNING OF EACH SHIFT.
- 17. USE OF FLOWABLE FILL, IN CONFORMANCE WITH DOT SPECIFICATIONS AND THE REQUIREMENTS OF ACI-229R, SHALL BE PERMITTED FOR BACKFILL IN LIEU OF A COMPACTED GRANULAR FILL.
 - E. FLOWABLE FILL SHALL BE COMPOSED OF CONTROLLED LOW-STRENGTH MATERIALS (CLSM) AS DEFINED BY ACI-116R.
 - F. FLOWABLE FILL SHALL HAVE A MINIMUM STRENGTH OF 200 PSI AND SHALL BE PLACED IN A MINIMUM OF 3 LIFTS.
 - G. CEMENTITIOUS MATERIAL SHALL CONFORM TO ASTM C150.
 - H. AGGREGATE SHALL CONFORM TO ASTM C33 UNLESS NOTED OTHERWISE.
 - I MIXING WATER SHALL CONFORM TO ASTM C94.
 - J. FLY ASH SHALL CONFORM TO ASTM C618.

A B. 3. Pf 4. H W 5. G G 6. A

WATERPROOFING

1. WATERPROOFING MEMBRANE FOR BASEMENT SLAB SHALL BE PREPRUFE 300R PLUS BY GRACE CONSTRUCTION PRODUCTS (GCP). MEMBRANE SHALL FORM AN INTEGRAL AND PERMANENT BOND TO POURED CONCRETE TO PREVENT WATER MIGRATION AT THE INTERFACE OF THE MEMBRANE AND STRUCTURAL CONCRETE.

2. JOINT TAPE SHALL BE GCP PREPRUFE TAPE AS FOLLOWS:

A. 4 IN. WIDE FOR COVERING CUT EDGES, ROLL EDGES, PENETRATIONS AND DETAILING.B. 8 IN. WIDE FOR DETAILING AND AT CONSTRUCTION JOINTS

3. PENETRATIONS SHALL BE SEALED WITH GCP PREPRUFE LIQUID MEMBRANE.

4. HYDROPHILIC WATERSTOPS SHALL BE INSTALLED AT ALL CONCRETE JOINTS AND WHERE NOTED IN THE DRAWINGS. WATERSTOPS SHALL BE GCP ADCOR.

5. GROUTABLE WATERSTOP FOR NON-MOVING CONCRETE CONSTRUCTION JOINTS AND PENETRATIONS SHALL BE GCP DE NEEF INJECTO AND SHALL BE INSTALLED AT ALL CONCRETE CONSTRUCTION JOINTS.

6. ALL ACCESSORY PRODUCTS SHALL BE COMPATIBLE WITH THE INSTALLED SYSTEM'S MATERIALS AND PRODUCTS.

7. PROVIDE MANUFACTURER'S STANDARD 10-YEAR WATERTIGHNESS WARRANTY FOR THE INSTALLED SYSTEM. THE CONTRACTOR MUST COORDINATE A PRE-INSTALLATION CONFERENCE WITH THE INSTALLER, RAND, AND THE MANUFACTURER'S REPRESENTATIVE.

8. CRACK INJECTION SHALL BE DURAL AQUA-DAM HYDROPHOBIC GROUTING SYSTEM OR DURAL AQUA-FIL HYDROPHILIC GROUTING SYSTEM BY EUCLID CHEMICAL OR APPROVED EQUAL.

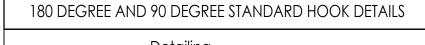
		ENGINEERING & ARCHITECTURE, DPC
		159 WEST 25TH STREET NEW YORK, NY 10001 tel. (212) 675-8844/ fax (212) 691-7972
		OWNER: 6469 BROADWAY HDFC, INC.
		6469 BROADWAY SELFHELP, LLC c/o SELFHELP COMMUNITY SERVICES 520 8th AVENUE, 5th FLOOR
		NEW YORK, NY, 10018 Tel: (212) 971-7746 Attn: SUSAN WRIGHT
		Email: swright@selfhelp.net
		PROPERTY MANAGER: BRONX PRO GROUP 1605 MLK Jr. BLVD.
		BRONX, NY, 10453 Tel: (718) 684-5556 Attn: EMRUSH ZEQAJ
		Email: ezeqaj@bronxprogroup.com
		KEY PLAN: INDICATES LOCATION OF CELLAR REPAIR
		POST ROAD COADWAY
		POST ROAD BROADWAY
		WEST 25GTH STREET
		11/04/24ISSUED FOR BIDAC10/25/24ISSUED FOR CLIENT REVIEWAC
		10/04/24 50% CD AC REV. DESCRIPTION DRAWN
		DATE BY SEAL & SIGNATURE:
		PROJECT DESCRIPTION:
		LIMITED CELLAR LEVEL
		REPAIR PROGRAM
		6469 BROADWAY BRONX, NY 10471
		Sheet Title:
		STRUCTURAL NOTES
	DOB NOW #:	rand job #: M201205
		SCALE: AS NOTED
	DOB STAMP:	DATE: 10/04/24 DRAWING BY: AC
		REVIEWED BY: EG/JV NUMBER OF SHEETS: 04 OF 14
	SU	IPERCEDED
		FO-003.00
	L	

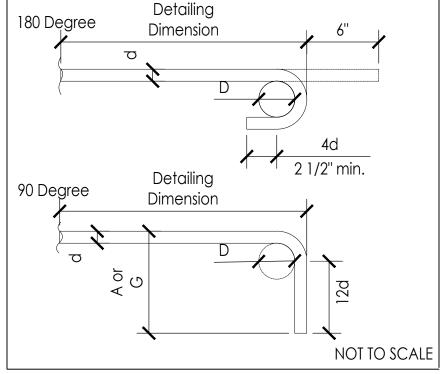
STANDARD HOOKS AND STIRRUPS SCHEDULE

D = FINISHED INSIDE BEND DIAMETER(INLCUDES SPRINGBACK)

d = BAR DIAMETER

ACI 318 MINIMUM BEND DIAMETER: 6d FOR #3 THROUGH #8 8d FOR #9 OR #9 THROUGH #11 10d FOR #14 AND #18





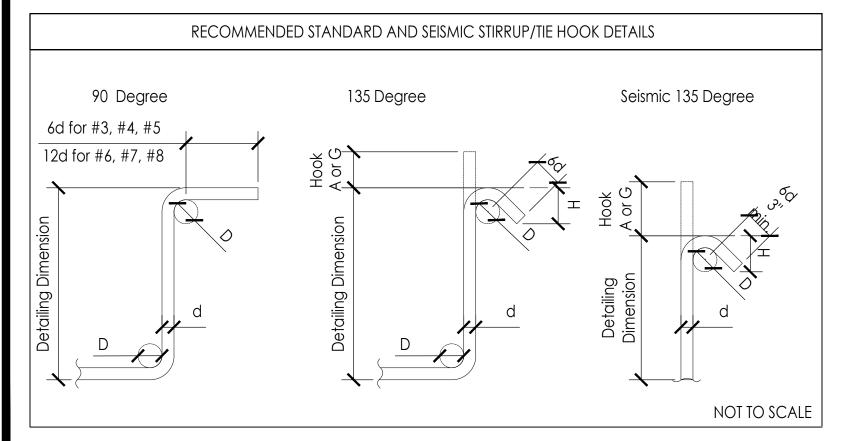
	STANDARD HOOK DETAILS					
BAR	BEND DIAMETER	180 DEGREE HOOKS		90 DEGREE HOOKS		
SIZE	(IN.)	A OR G	J	A OR G		
#3	2 1/4	5"	3"	6"		
#4	3	6''	4''	8''		
#5	3 3/4	7"	5"	10''		
#6	4 1/2	8"	6''	1'		
#7	51/4	10"	7"	1' 2"		
#8	6	11"	8"	1' 4''		
#9	91/2	1' 3"	11 3/4"	1' 7"		
#10	10 3/4	1' 5"	1'11/4"	1' 10''		
#11	12	1' 7"	1' 2 3/4"	2'		
#14	18 3/4	2' 3''	1' 9 3/4"	2' 7''		
#18	24	3'	2' 4 1/2''	3' 5"		

STEEL TYPE	BAR SIZE	GRADE	minimum Yield (KSI)	minimum tensile (ksi)
CARBON A615	#3 - #6 #3 - #18 #3 - #18 #3 - #18	40 60 75 80	40 60 75 80	60 90 100 105
LOW-ALLOY A706	#3 - #18 #3 - #18	60 80	60 80	80 100
RAIL & AXLE A996	#3 - #8 #3 - #8 #3 - #8	40 50 60	40 50 60	70 80 90

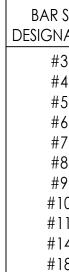
d = FINISHED INSIDE BEND DIAMETER (INCLUDES SPRINGBACK)

d = BAR DIAMETER

ACI 318 MINIMUM BEND DIAMETER: 4d FOR #3,#4, AND #5 6d FOR #6, #7, AND #8







#3 #4 #5 #6 #7 #8 #9 #10 NOTES:

RECOMMENDED STIRRUP/TIE HOOK DIMENSIONS						IENDED SEISMI 100K DIMENSI	
FINISHED INSIDE BEND DIAMETER	90 DEGREES	135 DEGREES		BAR	135 DE	gree seismic	НООК
(D) (IN.)	(D) (IN.) A OR G A OR G H* SIZE		D (IN.)	A OR G	H*		
1 1/2	4" 4 1 /0"	4" 4 1 /0"	2 1/2"	#3	1 1/2	4]/4"	3" 3"
2 1/2	4 1/2" 6"	4 1/2" 5 1/2"	3" 3 3/4"	#4 #5	2 1/2	4 1/2'' 5 1/2''	3 3 3/4"
4 1/2 5 1/4	1' 1' 2''	8" 9"	4 1/2'' 5 1/4''	#6 #7	4 1/2 5 1/4	8" 9"	4 1/2" 5 1/4"
6	1' 4''	10 1/2"	6"	#8	6	10 1/2"	6"

ASTM STANDARD REINFORCING BAR DETAILS

size Iation	DIAMETER (IN.)	AREA (IN 2)	WEIGHT (LB/FT)
3	0.375	0.11	0.38
4	0.500	0.20	0.67
5	0.625	0.31	1.04
6	0.750	0.44	1.50
7	0.875	0.60	2.04
8	1.000	0.79	2.67
9	1.128	1.00	3.40
10	1.270	1.27	4.30
1	1.410	1.56	5.31
4	1.693	2.25	7.65
18	2.257	4.00	13.60

CAST-IN-PLACE CONCRETE MINIMUM CONCRETE COVER FOR REINFORCEMENT (IN.)							
CONDITION	CONCRETE CAST AGAINST AND	CONCRETE EXPOSED TO	CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND				
BAR SIZE	PERMANENTLY EXPOSED TO EARTH	Earth Or Weather	SLABS, WALLS, & JOISTS	BEAMS & COLUMNS	SHELLS & FOLDED PLATE MEMBERS		
#3	3	11/2	3/4	1 1/2	1/2		
#4	3	11/2	3/4	1 1/2	1/2		
#5	3	11/2	3/4	1 1/2	1/2		
#6	3	2	3/4	1 1/2	3/4		
#7	3	2	3/4	1 1/2	3/4		
#8	3	2	3/4	1 1/2	3/4		
#9	3	2	3/4	1 1/2	3/4		
#10	3	2	3/4	11/2	3/4		

$F_{Y} = 60,00$ $F'_{C} = 5,00$			NORMALWEIGHT CONCRETE, UNCOATED REINFORCEMENT IN TENSION			F _Y = 60,00 F' _C = 5,00	UNCOATE	/EIGHT CONCRETE, D REINFORCEMENT DMPRESSION
BAR SIZE		ELOPMENT GTH (IN.)	_	CE LENGTH IN.)		BAR SIZE	ELOPMENT IGTH (IN.)	LAP SPLICE LENGTH (IN.)
	top ba	R OTHER BAR	TOP BAR	OTHER BAR		#3 #4	89	12 12
#3	17	13	22	17		#5	12	15
#4	23	17	29	23		#6	14	18
#5	28	22	36	28		#7	16	21
#6	34	26	44	34		#8	28	24
#7	49	38	63	49		#9	21	27
#8	56	43	72	56		#10	23	30
#9	63	48	81	63				
#10	69	54	90	69				

FOR LIGHTWEIGHT AGGREGATE, MULTIPLY THE TABULATED VALUES BY 1.3. 2. FOR EPOXY COATED REBAR, MULTIPLY THE TABULATED VALUES BY 1.5. 3. EFFECTS OF THE CONCRETE STRENGTH, WEIGHT AND COATING ARE

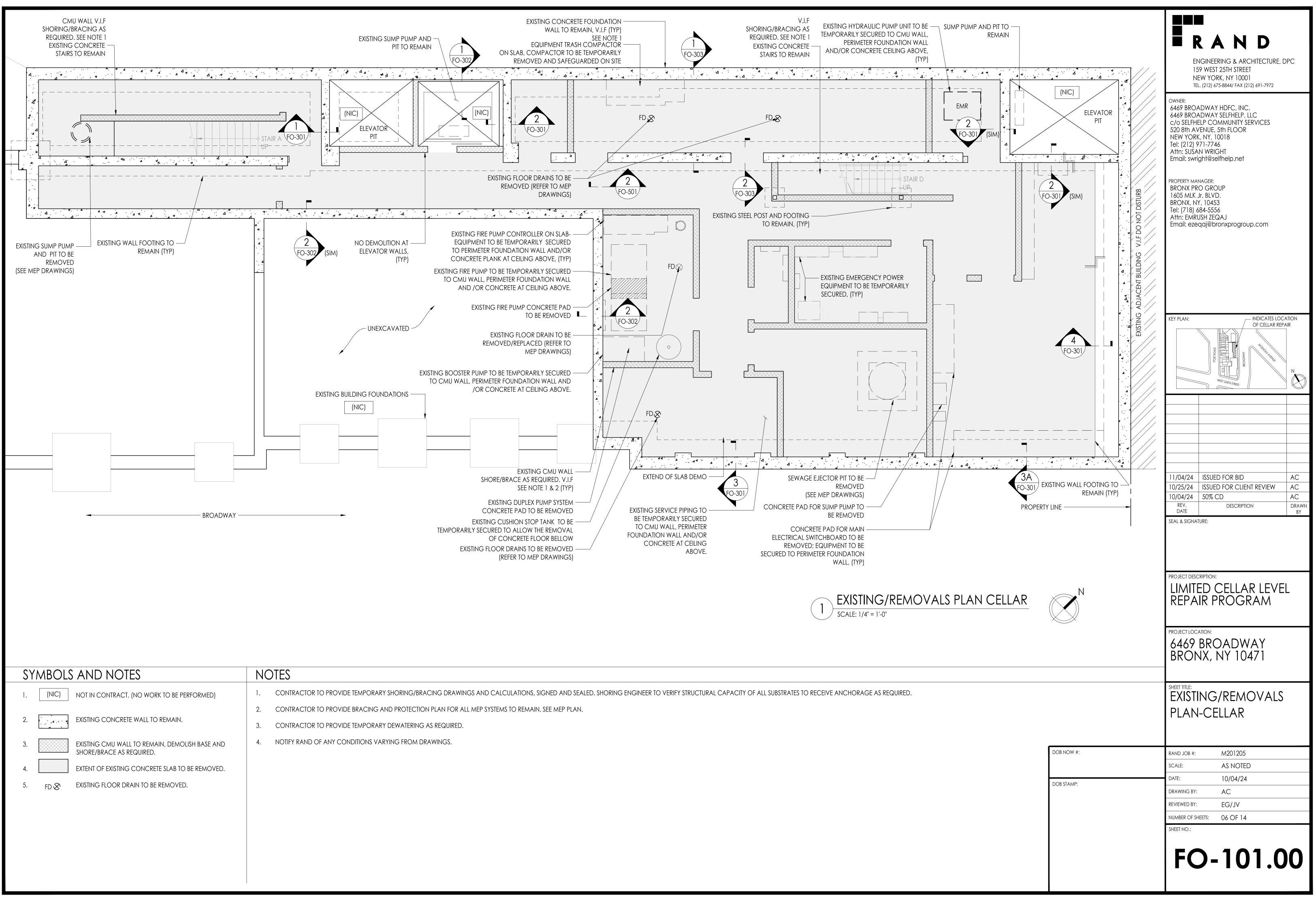
CUMULATIVE. L_D SHALL BE MULTIPLIED BY EACH FACTOR TO OBTAIN THE CORRECT VALUE.

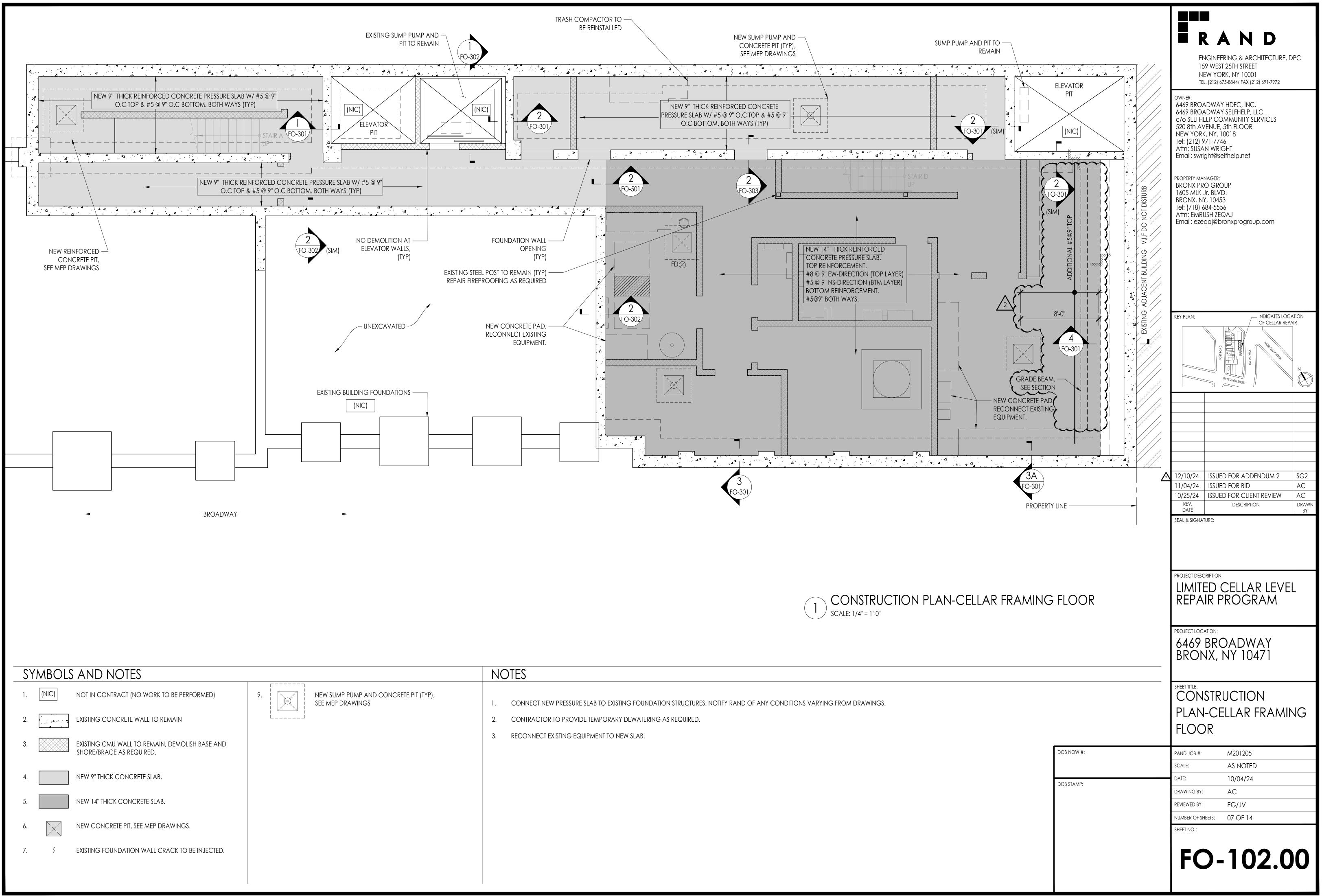
4. LAP SPLICE VALUES SHOWN ARE FOR CLASS B LAP SPLICES. CLASS A LAP SLICES CAN BE MULTIPLIED BY A REDUCTION FACTOR. REVIEW WITH ENGINEER PRIOR TO REDUCING LAP SPLICE VALUES.

ENGINEERING & ARCHITECTURE, DPC 159 WEST 25TH STREET NEW YORK, NY 10001
TEL. (212) 675-8844/ FAX (212) 691-7972
OWNER: 6469 BROADWAY HDFC, INC. 6469 BROADWAY SELFHELP, LLC
c/o SELFHELP COMMUNITY SERVICES 520 8th AVENUE, 5th FLOOR NEW YORK, NY, 10018
Tel: (212) 971-7746 Attn: SUSAN WRIGHT Email: swright@selfhelp.net
PROPERTY MANAGER:
BRONX PRO GROUP 1605 MLK Jr. BLVD. BRONX, NY, 10453
Tel: (718) 684-5556 Attn: EMRUSH ZEQAJ Email: ezeqaj@bronxprogroup.com
KEY PLAN: INDICATES LOCATION OF CELLAR REPAIR
POST ROAD POST ROAD
POSTROAD BROADWAY BROADWAY
WEST 256TH STREET
11/04/24ISSUED FOR BIDAC10/25/24ISSUED FOR CLIENT REVIEWAC
REV. DESCRIPTION DRAWN DATE BY SEAL & SIGNATURE:
LIMITED CELLAR LEVEL REPAIR PROGRAM
PROJECT LOCATION: 6469 BROADWAY
BRONX, NY 10471
STRUCTURAL NOTES
rand job #: M201205
SCALE: AS NOTED
DATE: 10/04/24 DRAWING BY: AC
REVIEWED BY: EG/JV NUMBER OF SHEETS: 0.5 OF 14
NUMBER OF SHEETS: 05 OF 14 SHEET NO.:
FO-004.00

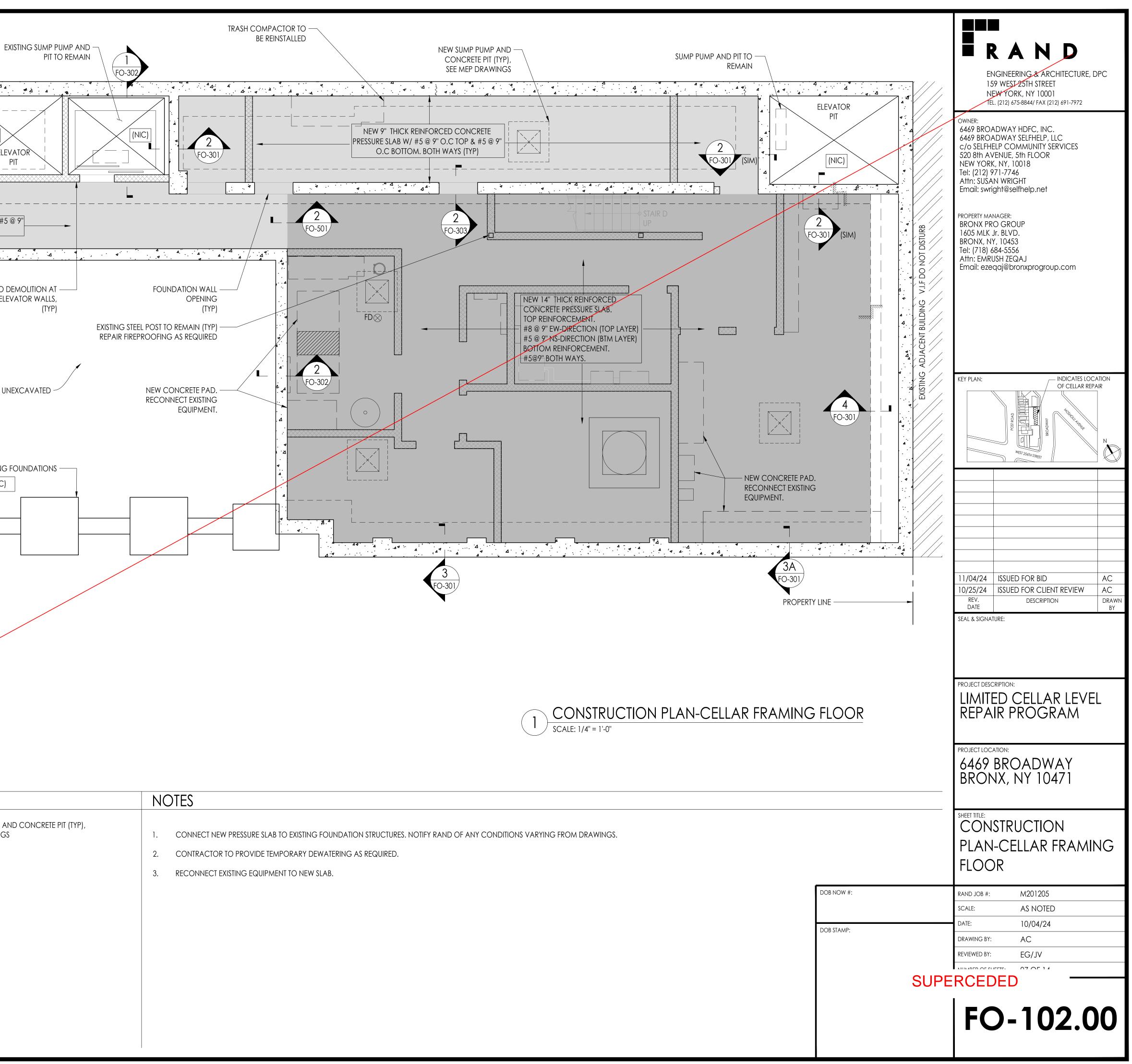
DOB NOW #:

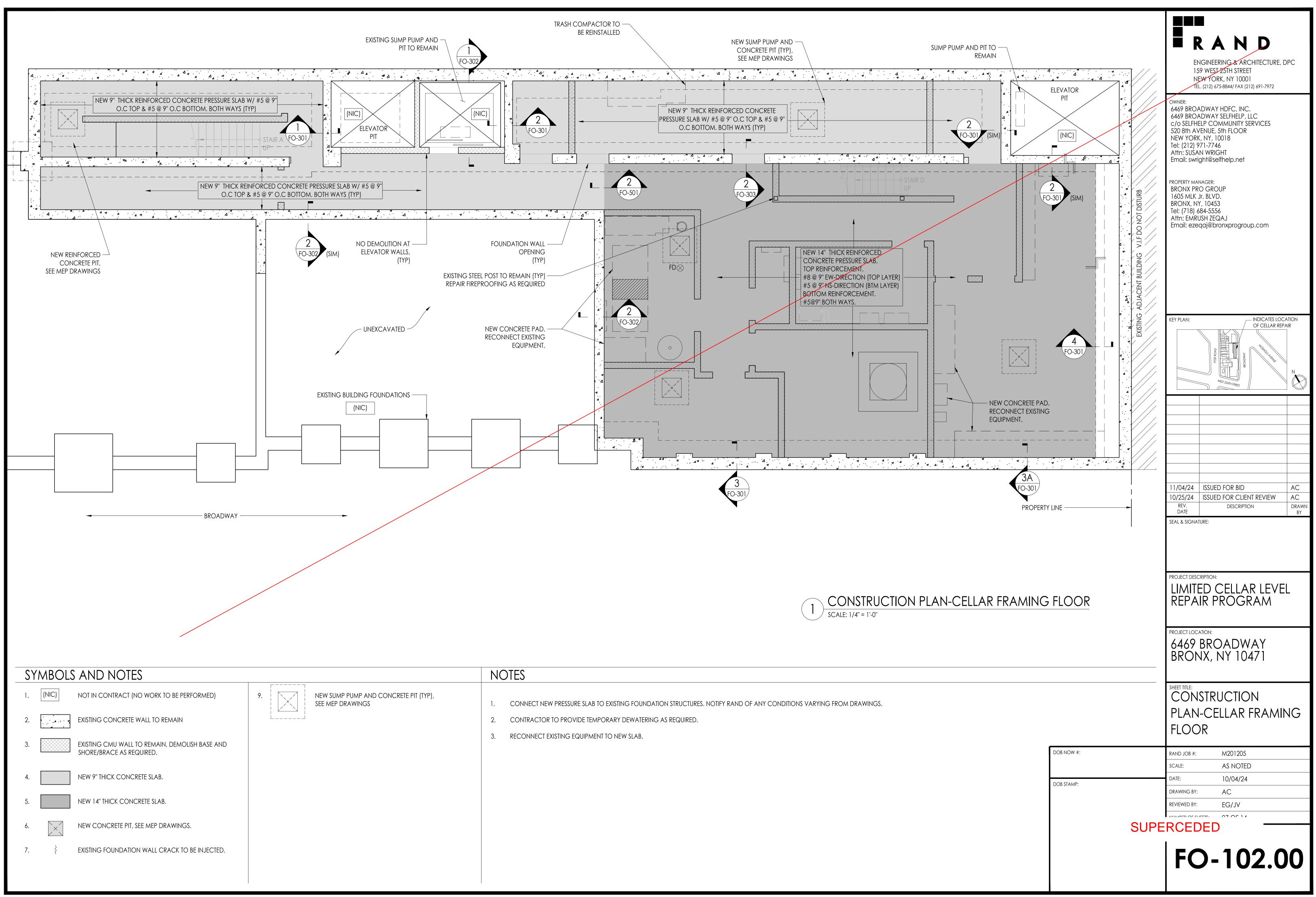
dob stamp:



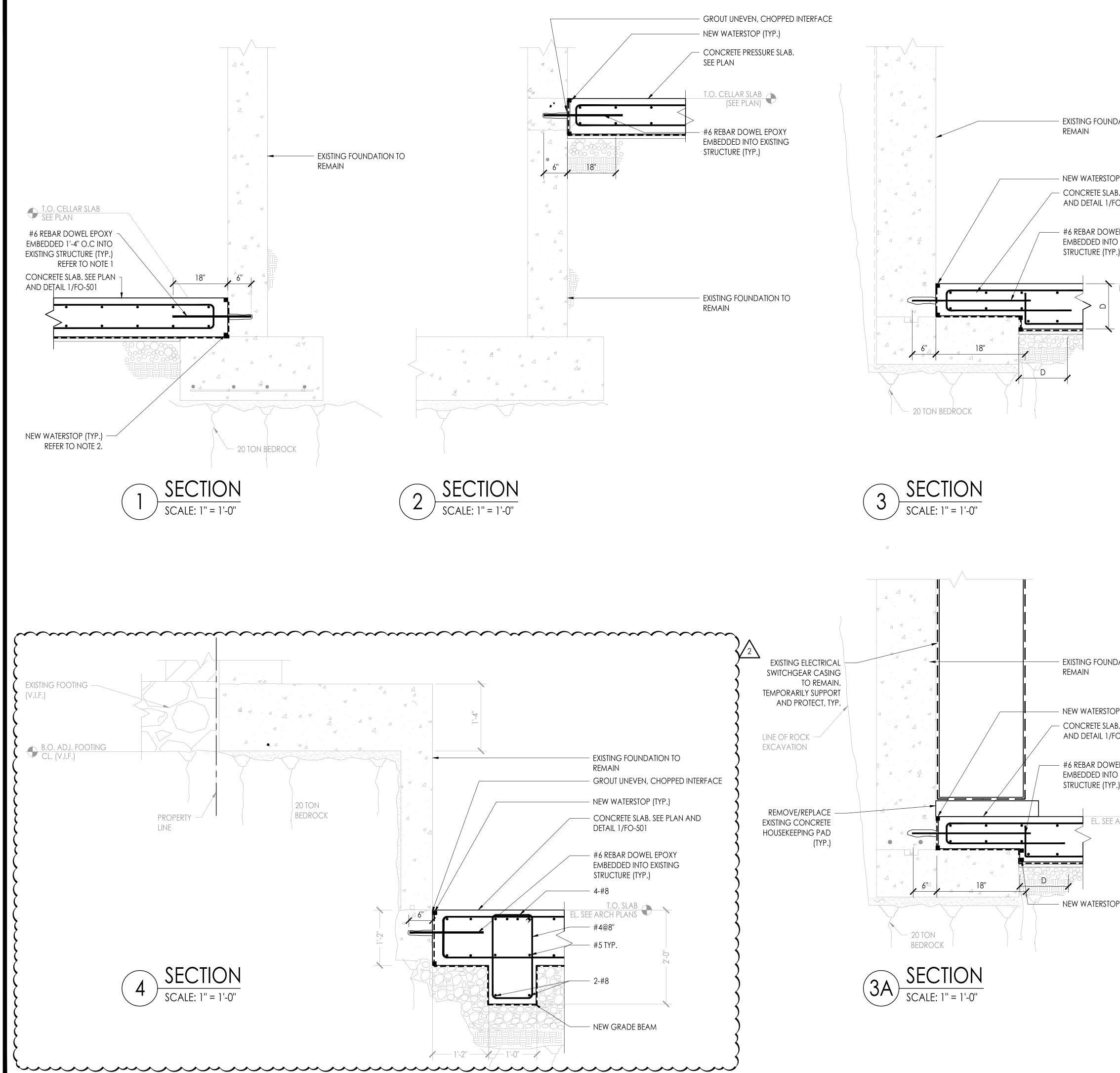


NC	DTES
1. 2. 3.	CONNECT NEW PRESSURE SLAB TO EXISTING FOUNDATION STRUCTURES. NOTIFY RAND OF ANY CONDITIONS VARYING FROM DRAWINGS. CONTRACTOR TO PROVIDE TEMPORARY DEWATERING AS REQUIRED. RECONNECT EXISTING EQUIPMENT TO NEW SLAB.

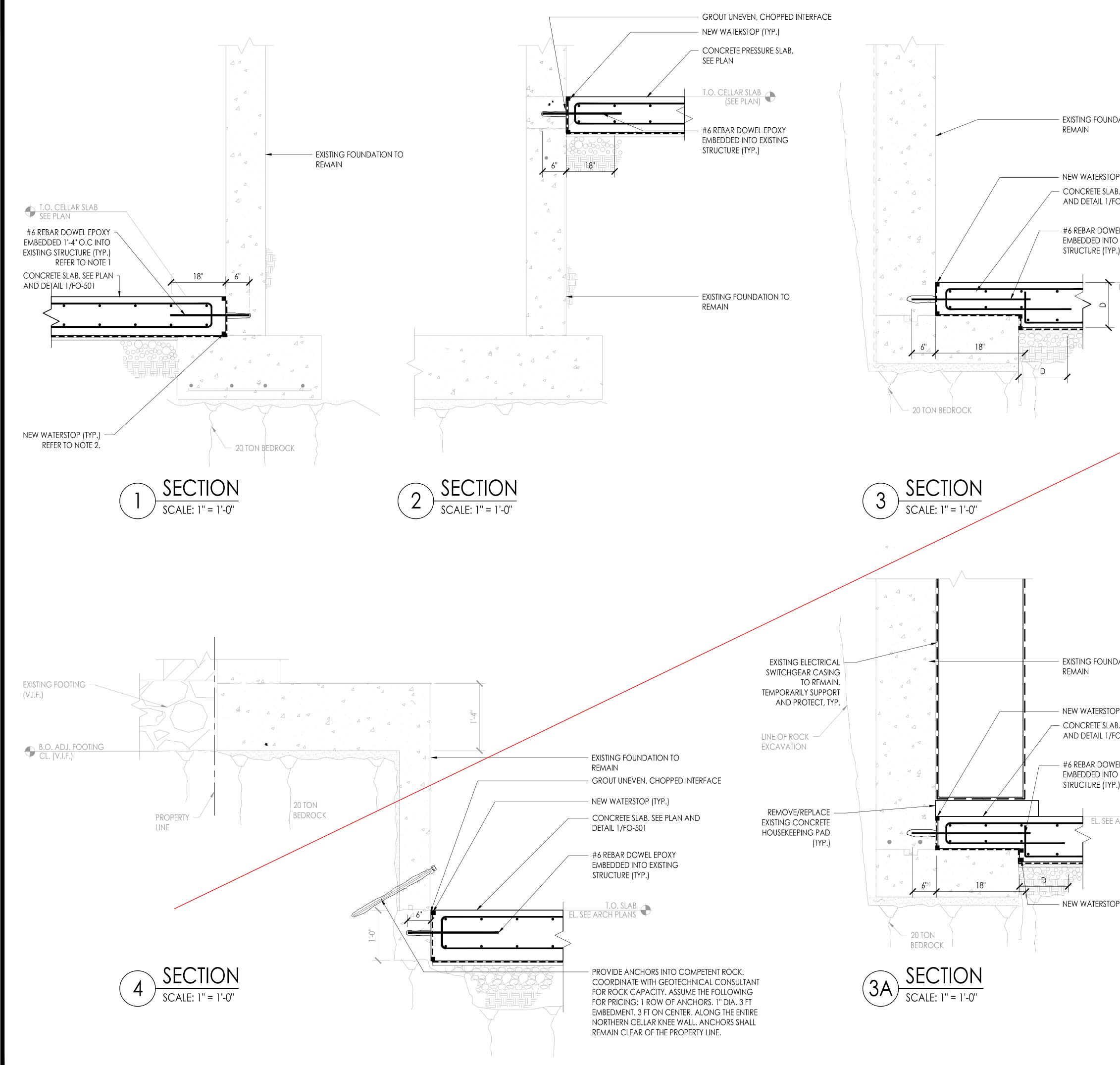




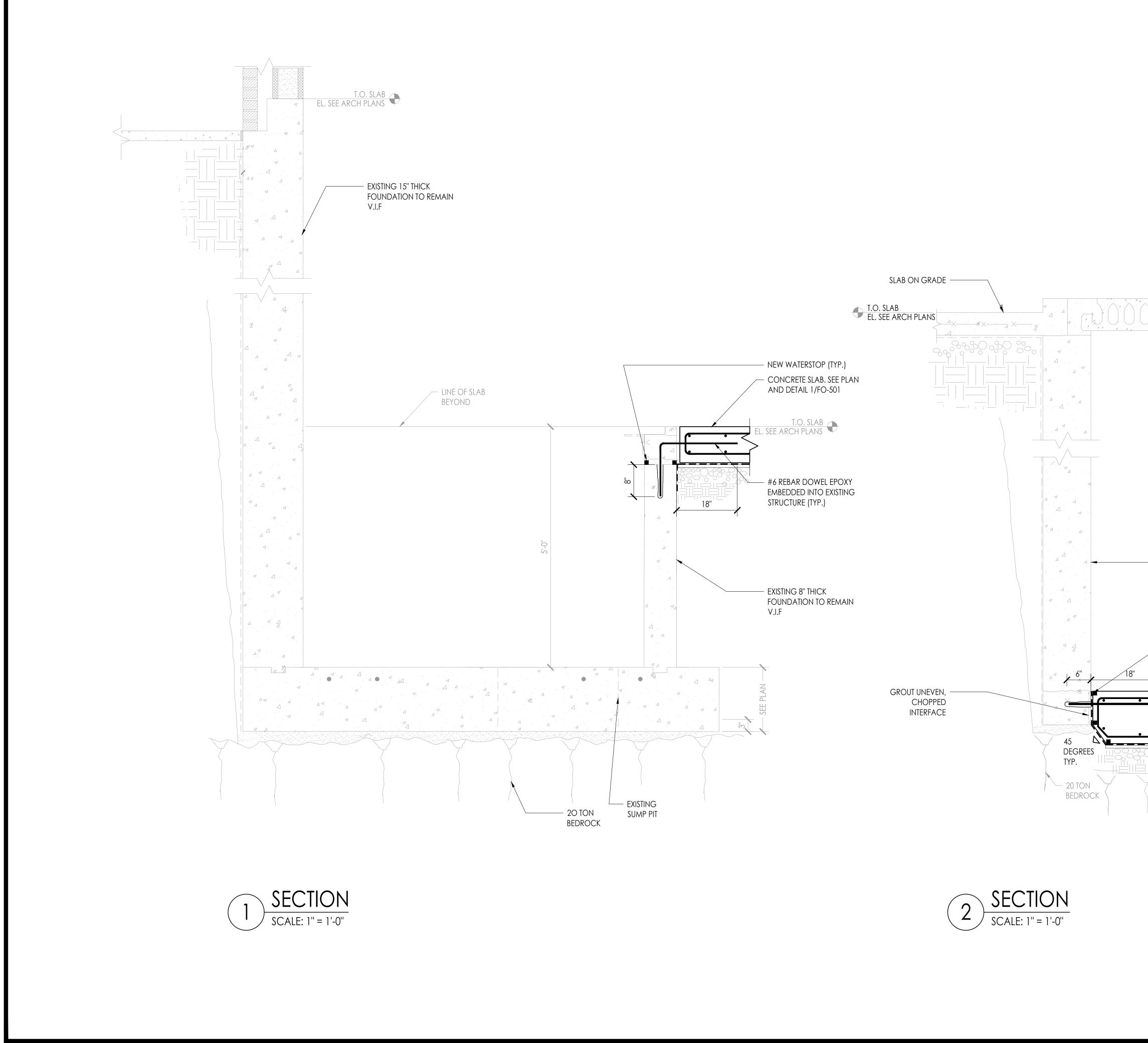
NC	DTES
1. 2. 3.	CONNECT NEW PRESSURE SLAB TO EXISTING FOUNDATION STRUCTURES, NOTIFY RAND OF ANY CONDITIONS VARYING FROM DRAWINGS. CONTRACTOR TO PROVIDE TEMPORARY DEWATERING AS REQUIRED. RECONNECT EXISTING EQUIPMENT TO NEW SLAB.



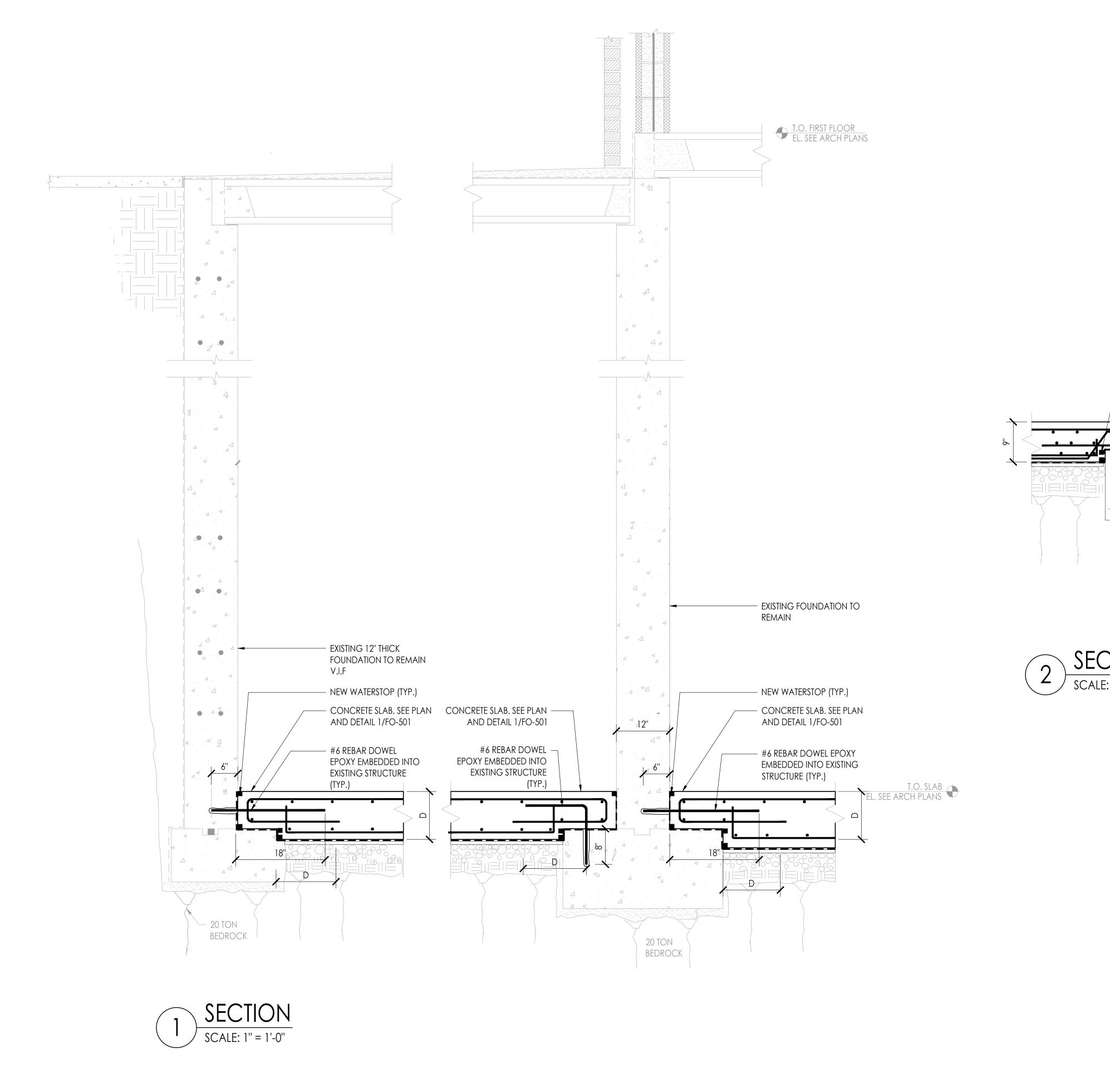
ATION TO (TYP.) SEE PLAN >-501 LEPOXY EXISTING 		<section-header>CONFINENCE OF CONFINENCE OF C</section-header>
ΑΤΙΟΝ ΤΟ		KEY PLAN: INDICATES LOCATION OF CELLAR REPAIR NO NO NO NO NO NO NO NO NO NO
Constraints of the second seco	n for all mep systems to	PROJECT DESCRIPTION: LIMITED CELLAR LEVEL REPAIR PROGRAM PROJECT LOCATION: 6469 BROADWAY BRONX, NY 10471 SHEET TITLE: TYPICAL DETAILS
P (TYP.)	DOB NOW #:	RAND JOB #: M201205 SCALE: AS NOTED DATE: 10/04/24 DRAWING BY: AC REVIEWED BY: EG/JV NUMBER OF SHEETS: 08 OF 14 SHEET NO.:



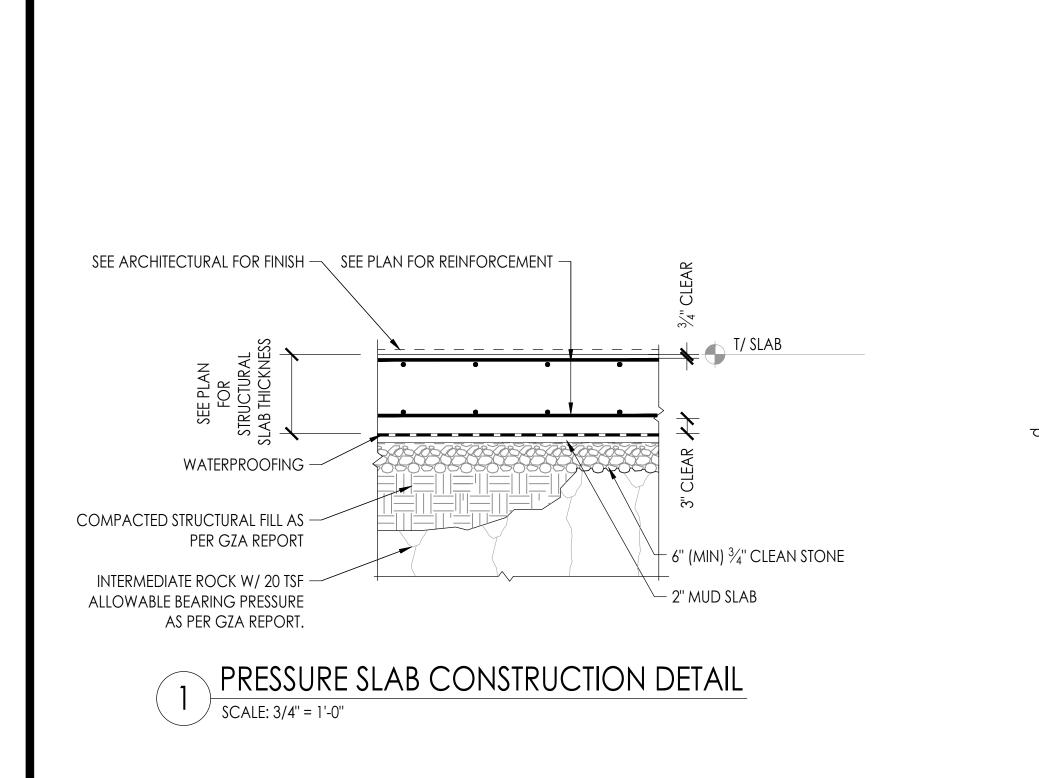
					RAND NGINEERING & ARCHITECTUR		
				15 Ni	GINEERING & ARCHITECTUR 59 WEST 25TH STREET EW YORK, NY 10001 L. (212) 675-8844/ FAX (212) 691-7972		
P (TYP.)				6469 BROA c/o SELFHE 520 8th AV NEW YORK Tel: (212) 9 Attn: SUSA			
3. SEE PLAN O-501 EL EPOXY D EXISTING				PROPERTY MAI BRONX PR 1605 MLK BRONX, N Tel: (718) 6	O GROUP Jr. BLVD. Y, 10453 684-5556		
.) T.O. SLAB					USH ZEQAJ qaj@bronxprogroup.com		
EL. SEE ARCH PLANS	Ţ						
				KEY PLAN:	, INDICATES		
					OF CELLAR		
					WEST 256TH STREET		
				11/04/24 10/25/24 10/04/24 REV. DATE	ISSUED FOR BID ISSUED FOR CLIENT REVIEW 50% CD DESCRIPTION	AC DRAWN	
DATION TO				SEAL & SIGNAT	LURE:	BY	
P (TYP.) 3. SEE PLAN O-501	REMAIN. SEE MEP	AN FOR ALL MEP SYSTEMS			ED CELLAR LE IR PROGRAM	/EL	
EL EPOXY EXISTING .) T.O. SLAB ARCH PLANS	 HORIZONTALLY INSTALLED ADHESIVE ANCHORS ARE SUBJECT TO CONTINUOUS SPECIAL INSPECTION. TYPICAL FOR ALL CONSTRUCTION JOINTS BETWEEN THE NEW PRESSURE SLABS AND EXISTING FOUNDATION WALLS AND FOOTINGS. IN ADDITION TO HYDROPHYLIC WATERSTOPS, PROVIDE GROUTABLE WATERSTOP. USE GCP DE NEEF INJECTO. TYPICAL FOR ALL CONSTRUCTION 			PROJECT LOCATION: 6469 BROADWAY BRONX, NY 10471			
ARCH PLANS	EXISTING FOUND FOLLOW MANUFA	THE NEW PRESSURE SLABS A DATION WALLS AND FOOTIN ACTURERS INSTRUCTIONS. D1 FOR TYPICAL WATERPROOF	IGS.	SHEET TITLE: TYPIC	Cal Details		
P (TYP.)		DOB NOW #:		RAND JOB #:	M201205		
		DOB STAMP:		SCALE: DATE: DRAWING BY:	AS NOTED 10/04/24 AC		
				REVIEWED BY:	EG/JV		
		SU	IPERC	1			
				FC)-301.	00	

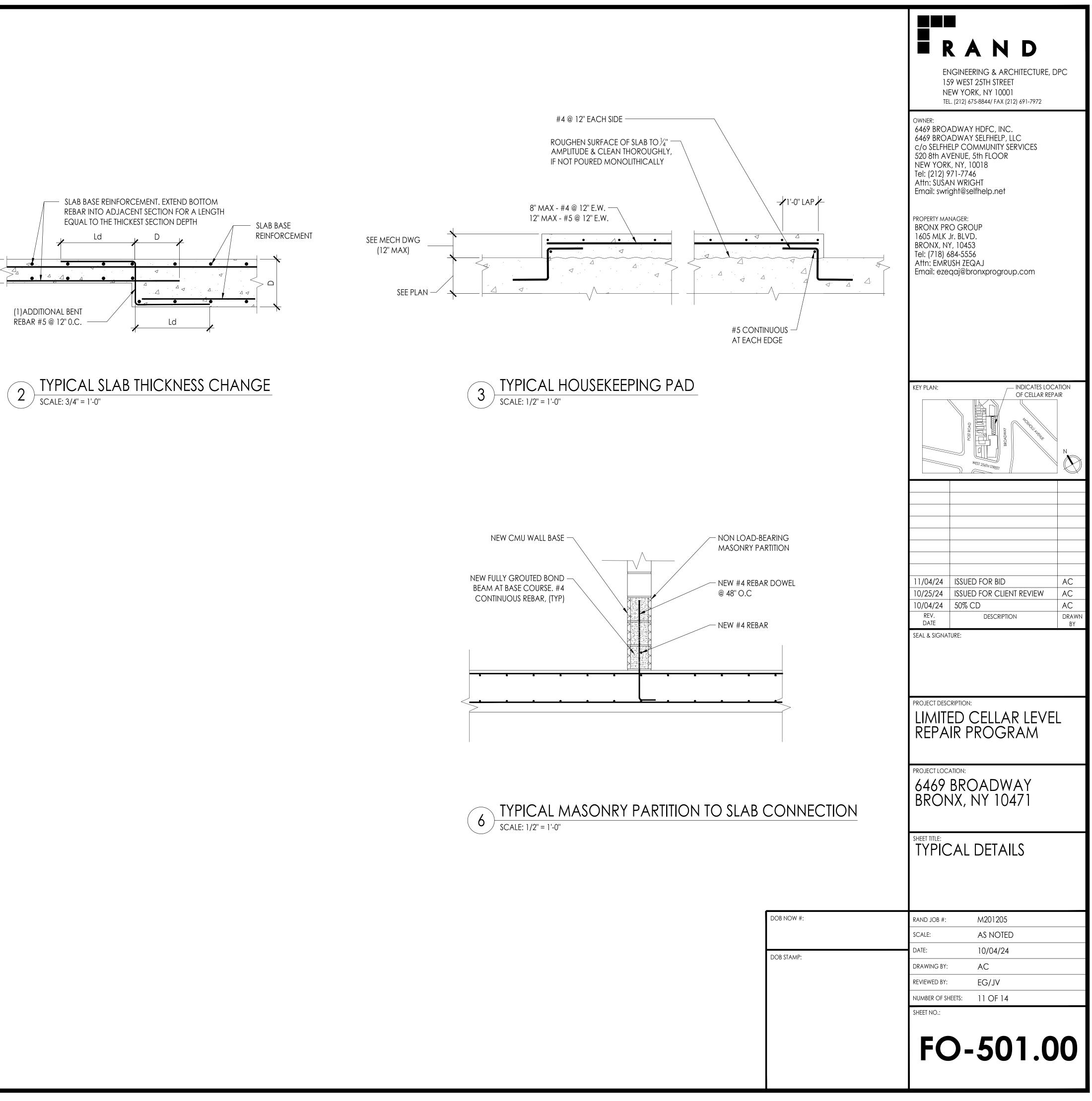


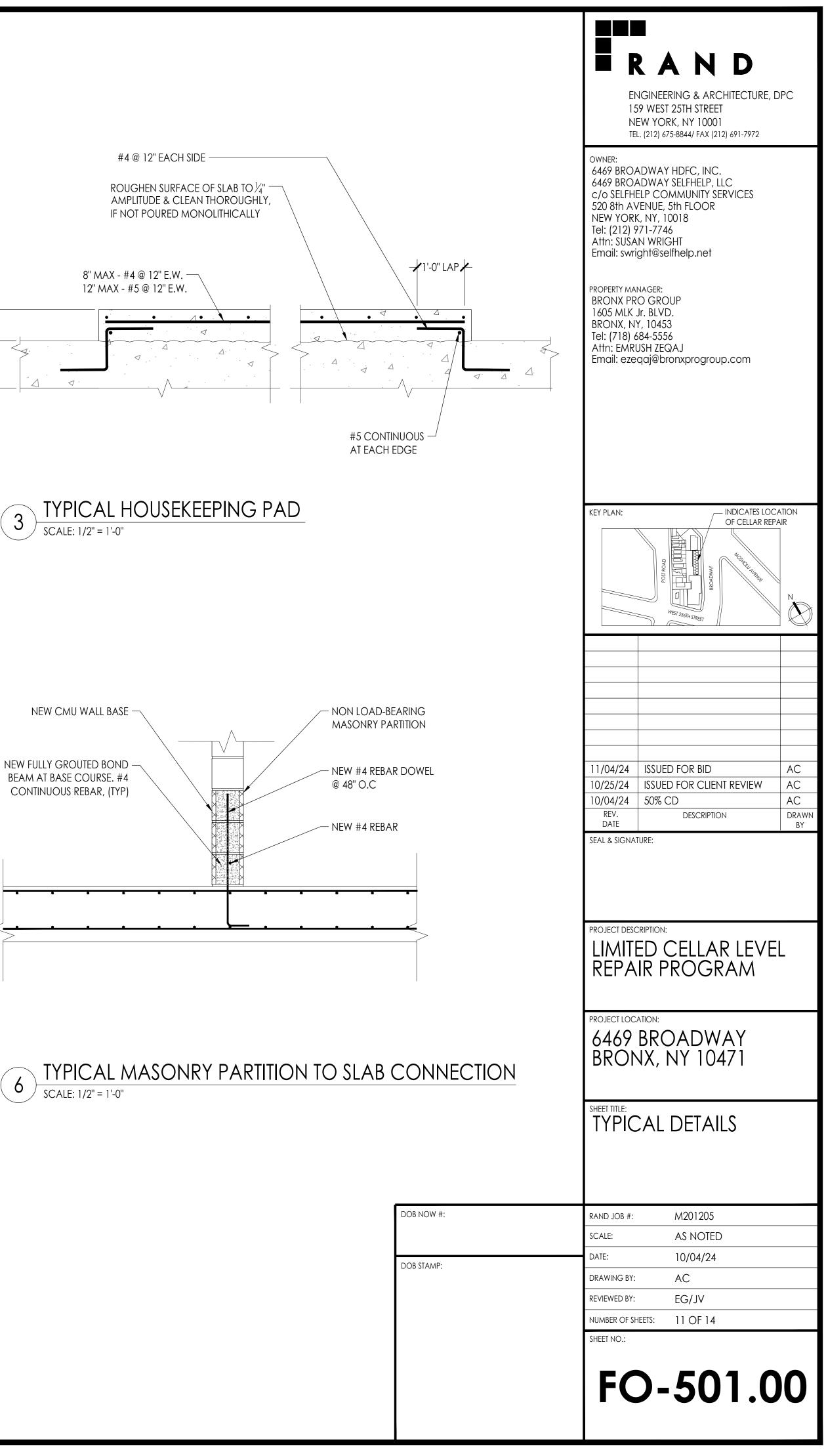
	RAND
	ENGINEERING & ARCHITECTURE, DPC 159 WEST 25TH STREET NEW YORK, NY 10001 TEL. (212) 675-8844/ FAX (212) 691-7972
	OWNER: 6469 BROADWAY HDFC, INC. 6469 BROADWAY SELFHELP, LLC c/o SELFHELP COMMUNITY SERVICES 520 8th AVENUE, 5th FLOOR NEW YORK, NY, 10018 Tel: (212) 971-7746 Attn: SUSAN WRIGHT Email: swright@selfhelp.net
	PROPERTY MANAGER: BRONX PRO GROUP 1605 MLK Jr. BLVD. BRONX, NY, 10453 Tel: (718) 684-5556 Attn: EMRUSH ZEQAJ Email: ezeqaj@bronxprogroup.com
T.O. SLAB EL. SEE ARCH PLANS	
	KEY PLAN: INDICATES LOCATION OF CELLAR REPAIR
EXISTING 12" THICK FOUNDATION TO REMAIN	11/04/24ISSUED FOR BIDAC10/25/24ISSUED FOR CLIENT REVIEWAC10/04/2450% CDACREV. DATEDESCRIPTIONDRAWN BY
V.I.F NEW WATERSTOP (TYP.) CONCRETE SLAB. SEE PLAN	SEAL & SIGNATURE:
AND DETAIL 1/FO-501 #6 REBAR DOWEL EPOXY EMBEDDED INTO EXISTING STRUCTURE (TYP.)	PROJECT DESCRIPTION: LIMITED CELLAR LEVEL REPAIR PROGRAM PROJECT LOCATION:
	6469 BROADWAY BRONX, NY 10471
	TYPICAL DETAILS
DOB NOW #:	RAND JOB #:M201205SCALE:AS NOTED
DOB STAMP:	DATE: 10/04/24 DRAWING BY: AC
	REVIEWED BY: EG/JV NUMBER OF SHEETS: 09 OF 14 SHEET NO.:
	FO-302.00

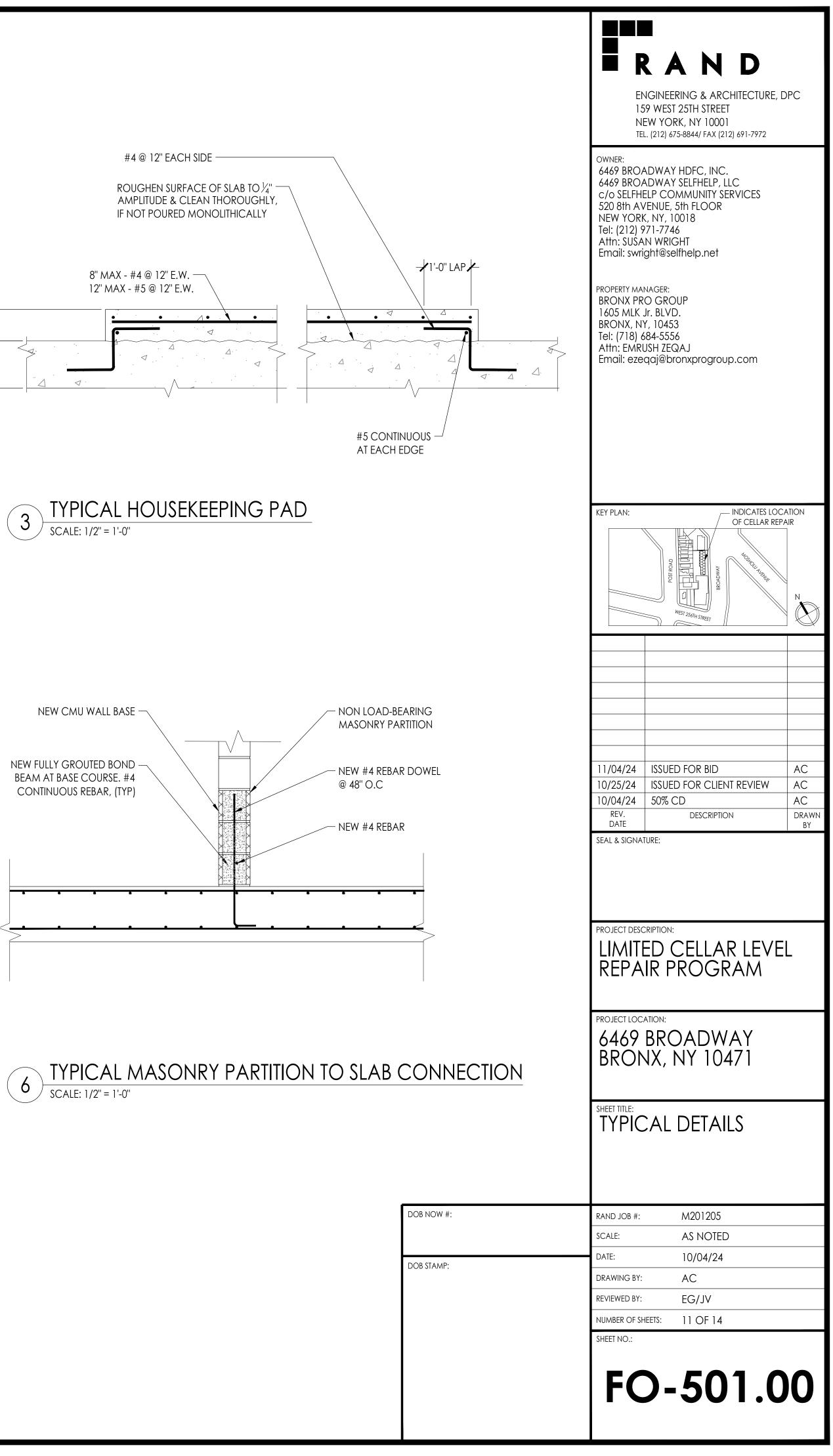


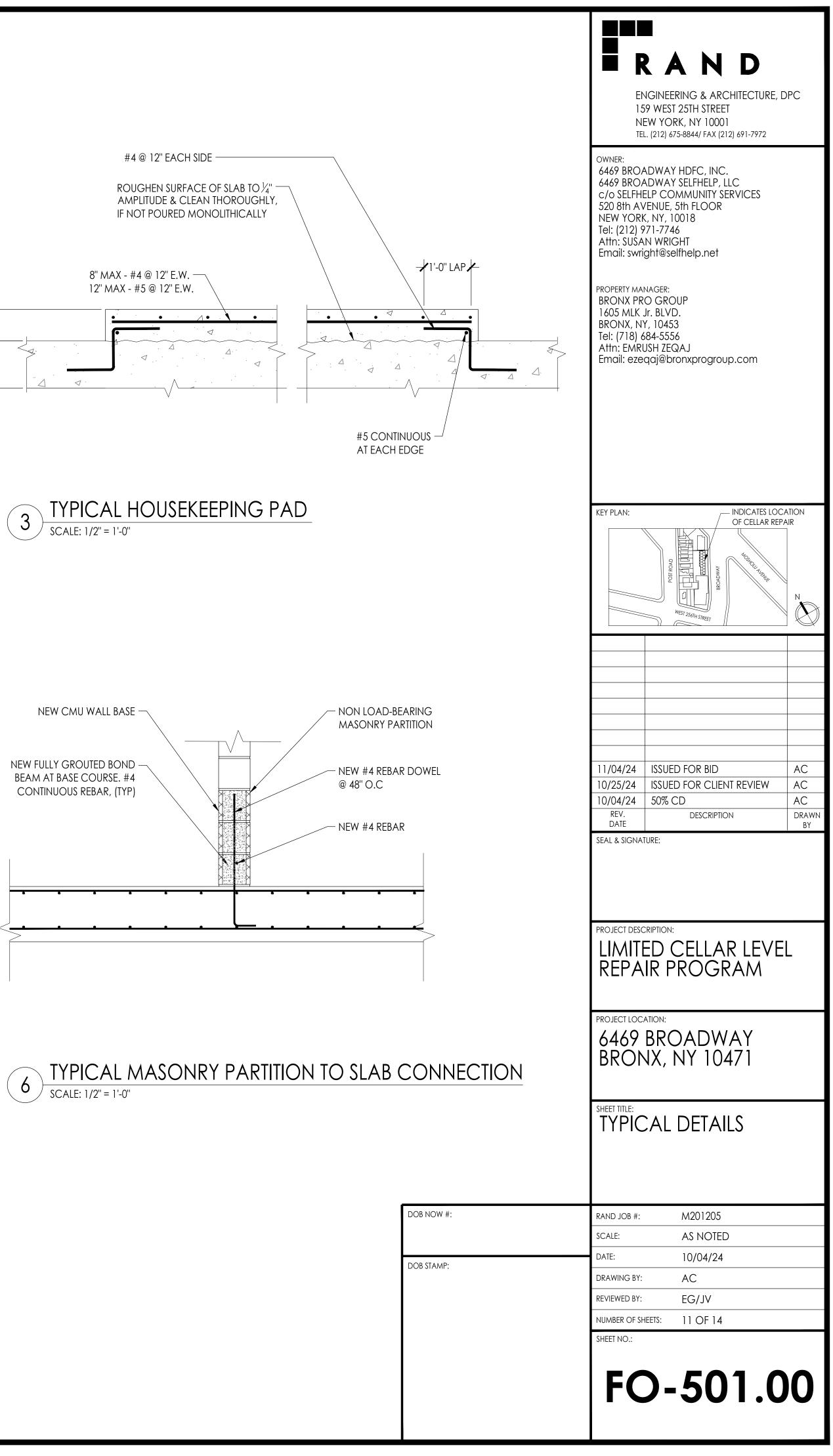
	 CARAND CARAND ENGINEERING & ARCHITECTURE, DPC 159 WEST 25TH STREET NEW YORK, NY 10001 TEL (212) 675-8844/ FAX (212) 691-7972 COWNER: 6469 BROADWAY HDFC, INC. 6469 BROADWAY SELFHELP, LLC C/O SELFHELP COMMUNITY SERVICES 520 8th AVENUE, 5th FLOOR NEW YORK, NY, 10018 Tel: (212) 971-7746 Attn: SUSAN WRIGHT Email: swright@selfhelp.net PROPERTY MANAGER: BRONX PRO GROUP 1605 MLK Jr. BLVD. BRONX, NY, 10453 Tel: (718) 684-5556 Attn: EMRUSH ZEQAJ Email: ezeqaj@bronxprogroup.com
TRANSPORTER SUBJECTIVE SUBJE	KEY PLAN: INDICATES LOCATION OF CELLAR REPAIR Image: Construction of the state of
DOB NOW #: DOB STAMP:	PROJECT DESCRIPTION: LIMITED CELLAR LEVEL REPAIR PROGRAM PROJECT LOCATION: 6469 BROADWAY BRONX, NY 10471 SHEET TITLE: TYPICAL DETAILS RAND JOB #: M201205 SCALE: AS NOTED DATE: 10/04/24 DRAWING BY: AC REVIEWED BY: EG/JV NUMBER OF SHEETS: 10 OF 14 SHEET NO.: FOG-303.00

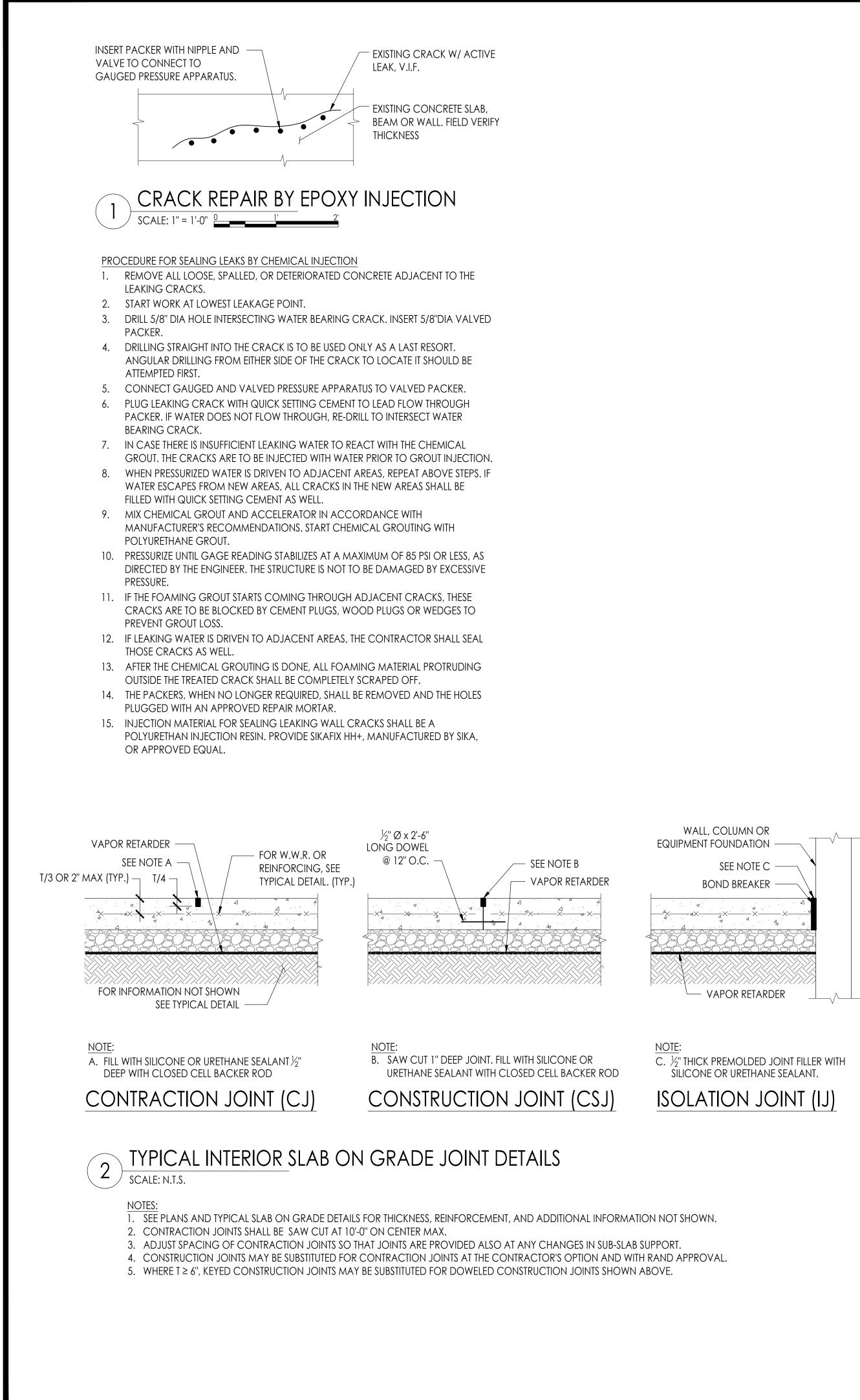






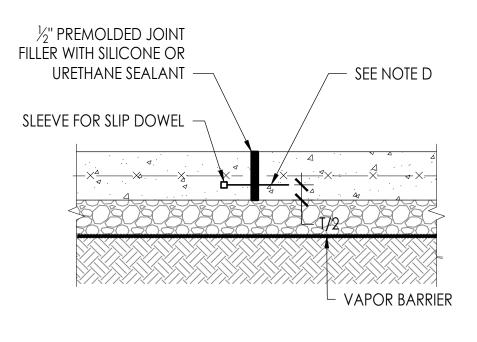




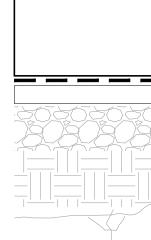


DOWELED EXPANSION JOINT (DEJ)

NOTE: D. $\frac{1}{2}$ Ø x 1'-6" LONG DOWELS @ 8" O.C. INSTALLED IN POLYPROPYLENE SLEEVE.

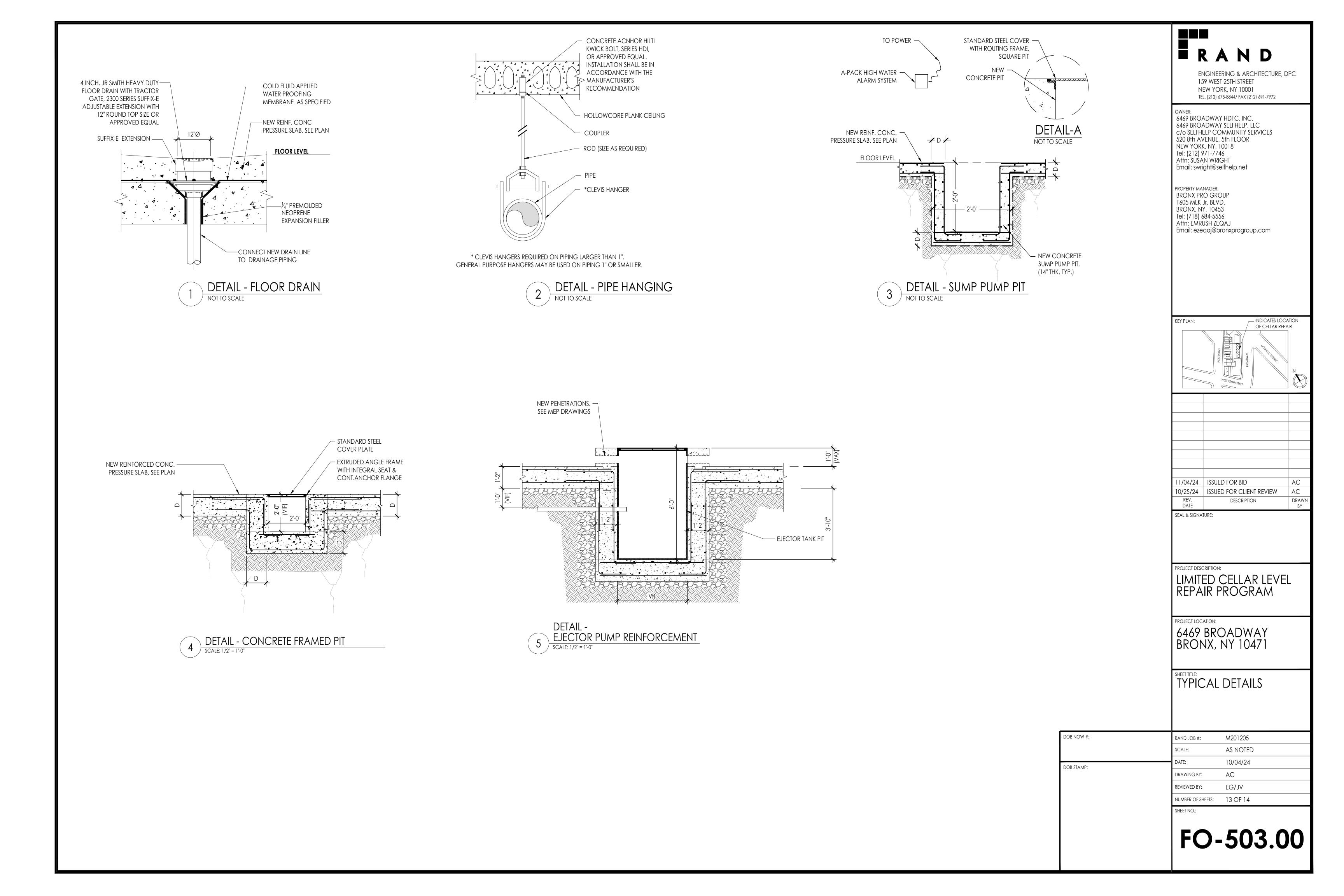


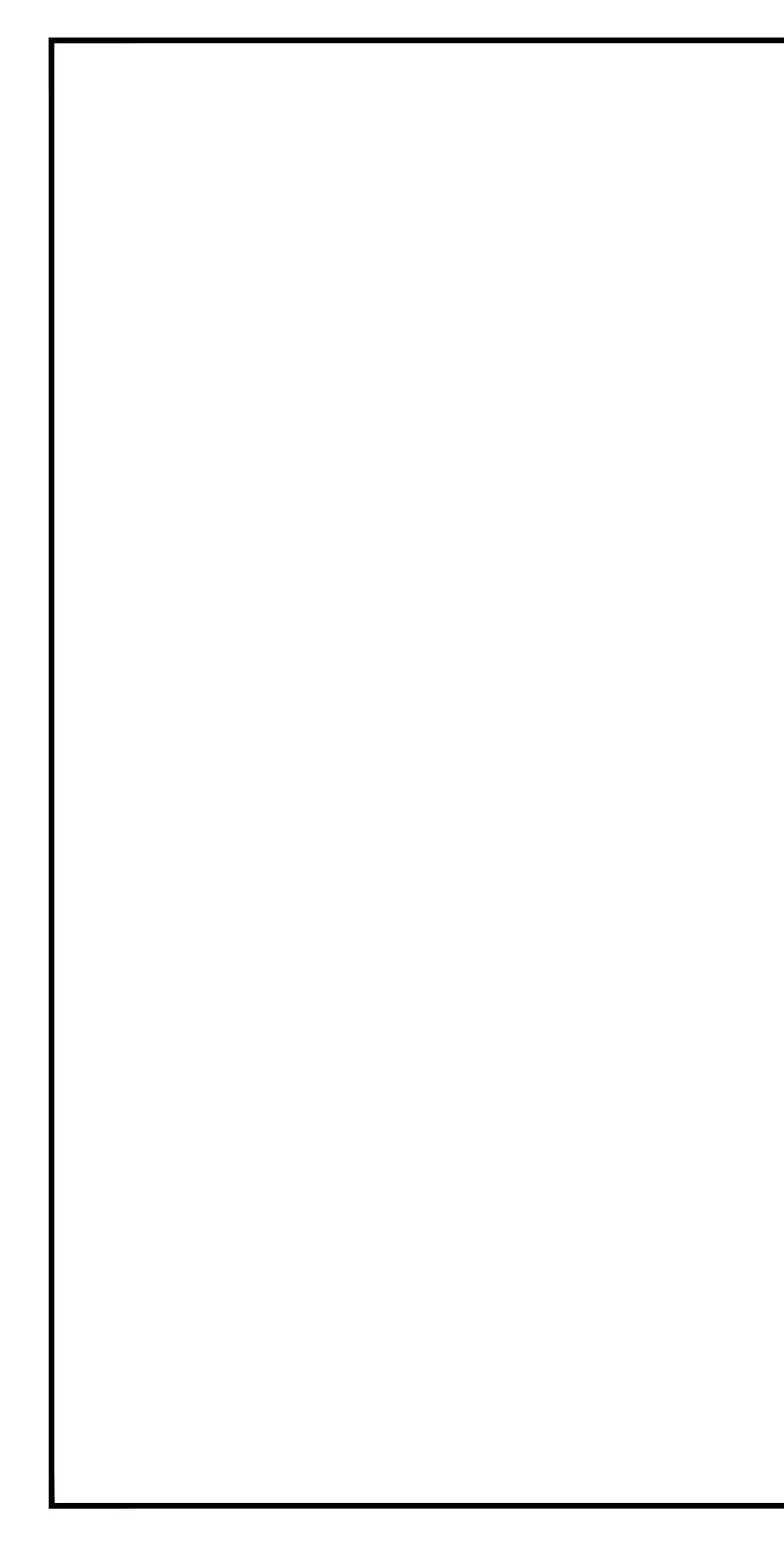


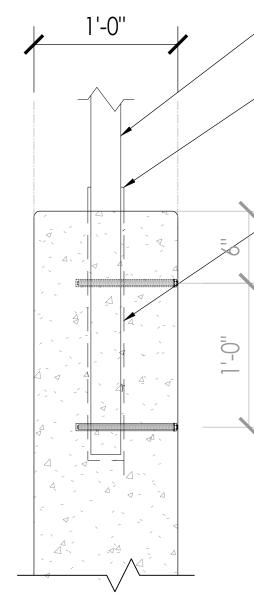


NEW PRESSURE SLAB ATOP -WATERPROOFING SYSTEM

PENETRATION PENETRATION PENETRATION. TYP.		EI 13 N TE OWNER: 6469 BRO, 6469 BRO, 6469 BRO, 6469 BRO, C/O SELFH 520 8th AV NEW YOR Tel: (212) 9 Attn: SUSA Email: swri PROPERTY MA BRONX PR 1605 MLK BRONX, N Tel: (718) 6 Attn: EMR	N WRIGHT ight@selfhelp.net NAGER: 20 GROUP Jr. BLVD. Y, 10453	C
		KEY PLAN:	ISSUED FOR BID ISSUED FOR CLIENT REVIEW 50% CD	
		REPA PROJECT LOC 6469 BRON SHEET TITLE:	ED CELLAR LEVEL IR PROGRAM	
	DOB NOW #: DOB STAMP:	RAND JOB #: SCALE: DATE: DRAWING BY: REVIEWED BY: NUMBER OF SI SHEET NO.:	EG/JV	0









		<section-header>CONSTRUCTION OF CONSTRUCTION OF CONSTRUCTION</section-header>
EXISTING6'-0" HEIGHT CHAIN LINK FENCE CUT BACK TOP OF GROUTED SLEEVE FLUSH WITH WALL. SEAL W/CAULK NEW ½" STAINLESS STEEL ANCHOR BOLT EPOXY EMBEDDED 8" MIN AND COUNTERSUNK IN GROUT		KEY PLAN: INDICATES LOCATION OF CELLAR REPAIR Image: Construction of cellar repairs Image: Construction of cellar repairs Image: Construction of cellar repairs Image: Construction of cellar repairs Image: Construction of cellar repairs Image: Construction of cellar repairs Image: Construction of cellar repairs Image: Construction of cellar repairs Image: Construction of cellar repairs Image: Construction of cellar repairs Image: Construction of cellar repairs Image: Construction of cellar repairs Image: Construction of cellar repairs Image: Construction of cellar repairs Image: Construction of cellar repairs Image: Construction of cellar repairs Image: Construction of cellar repairs Image: Construction of cellar repairs Image: Construction of cellar repairs Image: Construction of cellar repairs Image: Construction of cellar repairs Image: Construction of cellar repairs Image: Construction of cellar repairs Image: Construction of cellar repairs Image: Construction of cellar repairs Image: Construction of cellar repairs Image: Construction of cellar repairs Image: Construction of cellar repairs Image: Construction of cellar repairs Image: Construction of cellar repairs Image: Construction of cellar repairs
R @ REAR RETAINING W.	ALL	PROJECT DESCRIPTION: LIMITED CELLAR LEVEL REPAIR PROGRAM PROJECT LOCATION: 6469 BROADWAY BRONX, NY 10471 SHEET TITLE: TYPICAL DETAILS
	DOB NOW #: DOB STAMP:	RAND JOB #: M201205 SCALE: AS NOTED DATE: 10/04/24 DRAWING BY: AC REVIEWED BY: EG/JV NUMBER OF SHEETS: 14 OF 14 SHEET NO.: FO-504.000

FINISHED FLOORING NOTES

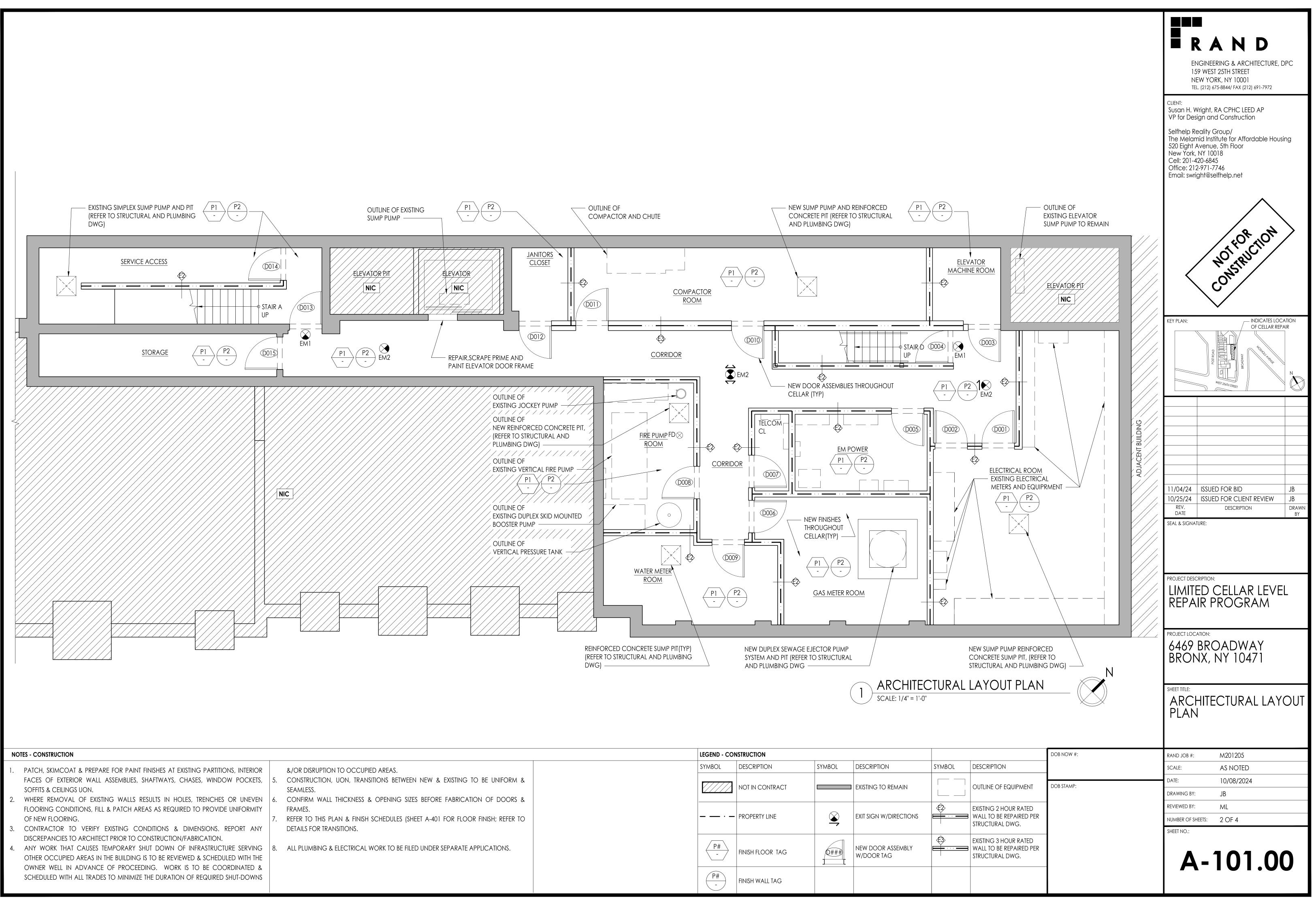
- PRIOR TO INSTALLATION CONTRACTOR SHALL INSPECT FLOOR SURFACES WHICH ARE TO RECEIVE FLOOR COVERING. FLOOR SHALL BE FREE OF ALL EXISTING FLOOR COVERINGS, ADHESIVES, OIL, WATER AND DEBRIS. FLOOR TO BE MADE LEVEL TO RECEIVE TILE COVERING.
- CONTRACTOR TO INCLUDE ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY TO COMPLETE THE FLOOR COVERING AS SHOWN ON THE ARCHITECTURAL DRAWINGS. THE CONTRACTOR IS TO FULLY REVIEW THE ENTIRE SET OF DOCUMENTS IN ORDER TO BECOME FAMILIAR WITH THE SCOPE OF WORKS. REFER TO ARCHITECTURAL SPECIFICATIONS FOR ALL THE FLOORING MATERIALS USED ON THE PROJECTS INCLUDING BUT NOT LIMITED TO ALL BASES, CARPETS, CARPET TILES, BROADLOOMS, RUGS, SOLID VINYL AND RUBBER FLOOR TILES AND ROLLS PLUS REDUCING STRIPS AND OTHER ACCESSORIES.
- 3. CONTRACTOR TO USE ONLY THOROUGHLY TRAINED AND EXPERIENCED INSTALLERS COMPLETELY FAMILIAR WITH THE INSTALLATION RECOMMENDATIONS OF THE MANUFACTURED FLOOR COVERINGS AND BE COMPLETELY FAMILIAR WITH THE REQUIREMENTS OF THIS WORK.
- 4. THE GENERAL CONTRACTOR AND THEIR SUBCONTRACTORS SHALL FLASH PATCH AND PREPARE ALL FLOORS AS REQUIRED TO OBTAIN A SMOOTH AND LEVEL SURFACE SUITABLE FOR PROPER INSTALLATION OF ALL FLOORING MATERIALS. CONTRACTOR SHALL INSPECT ALL SUB FLOORS OF PROJECT INCLUDING BUT NOT LIMITED TO ACTUAL CONDITION OF SLAB AND LEVELNESS OF FLOOR OVER ENTIRE SPACE AND INCLUDE AND ALL LEVELING AS REQUIRED IN SCOPE OF WORK WITHOUT EXCEPTION.
- 5. CLEAN-UP AND PROTECTION: CONTRACTOR TO PROTECT FINISHED FLOORING ONCE INSTALLED USING MANUFACTURER'S RECOMMENDED PROTECTION INCLUDING TEMPORARY PROTECTION DURING THE REMAINDER OF CONSTRUCTION PERIOD. ONCE PROTECTED AND IF DAMAGED DURING THE REMAINDER OF CONSTRUCTION, CONTRACTOR SHALL INCLUDE IN SCOPE OF WORK THE REPLACEMENT OF ANY AND ALL DAMAGED FLOORING. CONTRACTOR SHALL VACUUM ALL AREAS OF CARPET INSTALLATION USING COMMERCIAL MACHINES, REMOVE ALL DIRT, SOILS, SPOTS, EXCESSIVE ADHESIVES AND ANY OTHER FOREIGN SURFACE CONTAMINANTS FROM THE CARPET AND REPLACE CARPETS OR OTHER FLOORING MATERIALS USED WHERE CONTAMINANTS CANNOT BE REMOVED.
- MAINTENANCE INSTRUCTIONS: CONTRACTOR SHALL FURNISH THE ARCHITECT AND TENANT WITH A COPY OF THE FLOORING 8. MANUFACTURER'S MAINTENANCE INSTRUCTIONS WHICH SHALL CONTAIN RECOMMENDED CLEANING MATERIALS, APPLICATION METHODS AND PRECAUTIONS TO BE FOLLOWING IN THE USE OF CLEANING MATERIALS WHICH MAY BE DETRIMENTAL TO THE SURFACE IF IMPROPERLY APPLIED. INCLUDED IN THE SUBMISSION SHALL BE THE MANUFACTURER'S RECOMMENDATIONS FOR MAINTAINING FLOORING IN OPTIMUM CONDITIONS UNDER ANTICIPATED TRAFFIC AND USE CONDITIONS.

PAINT FINISH NOTES

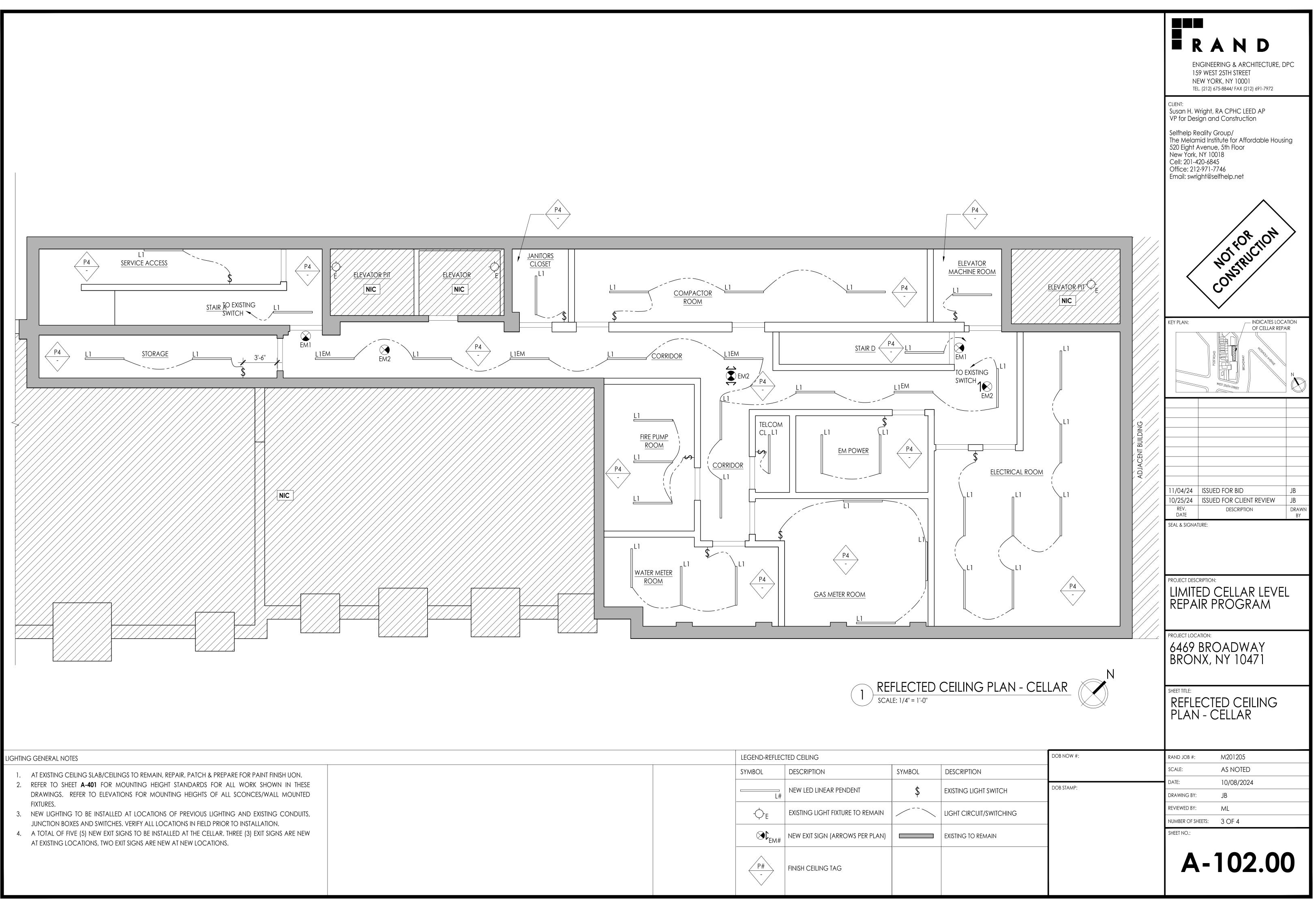
- UNLESS OTHERWISE SPECIFIED, ALL AREAS ARE TO BE P ACCORDANCE WITH FINISH SCHEDULE, PAINT SCHED SPECIFICATIONS. ALL PAINT PRODUCTS SHALL BE BY BENJAM OR APPROVED EQUAL. ALL PAINT PRODUCTS ON SITE MUST LABEL OF THE MANUFACTURER TO AUTHENTICATE ITS QUALITY.
- CONTRACTOR TO PAINT ALL INTERIOR AND EXTERIOR INCLUDING ALL, EXISTING CEILING SLAB CONDITIONS, EXPOSED PRIMED METAL UNLESS OTHERWISE NOTED.
- WALLS SHALL INCLUDE SURFACES FROM FLOOR TO CEILING, I PLASTER, FASCIAS, JAMBS, BUCKS, REVEALS, RETURNS, LIGHT CO ALL OTHER VERTICAL SERVICES.
- 4. PRIOR TO PAINTING, THE CONTRACTOR SHALL REMOVE OR PR FINISHED SURFACES, HARDWARE, SWITCH AND OUTLET PL/ REPLACING AND UNCOVERING THE SAME WHEN PAINTING COMPLETED.
- THE CONTRACTOR IS RESPONSIBLE TO PROVIDE THE PROPER PI AGAINST DAMAGE TO EXISTING ADJACENT FINISHED WO FLOORING. PARTICULAR ATTENTION SHALL BE GIVEN TO ARE CARPET IS INSTALLED AND CONSTRUCTION WORK IS INVOLVE COMPLETED.
- ALL SURFACES TO BE PAINTED OR TO RECEIVE WALL COVER PRESENT A TRUE, SMOOTH, LEVEL FINISH AND SHALL BE CLEA FROM ALL GRIT, GREASE, DIRT AND LOOSE MATERIAL SCRATCHES, CRACKS, OPEN JOINTS, HOLES AND OTHER DEFE BE PROPERLY CUT OUT, SPACKLED, BE BROUGHT TO A SMC FINISH AND GIVEN A PRIME COAT AS SPECIFIED FOR THE AFFEC PLASTER WORK SHALL BE CLEANED WITH STEEL WOOL ANI RUSTED SURFACES SHALL BE CLEANED DOWN TO BARE MATI STEEL WOOL OR EMERY CLOTH AND PRIMED.
- ALL SURFACES TO BE PAINTED SHALL BE EXAMINED AND THO CANNOT BE PUT INTO PROPER CONDITION TO RECEIVE PAINT O CUSTOMARY CLEANING METHODS, SANDING OR WIRE BRUSH BE REPORTED TO RAND ENGINEERING AND ARCHITECTU OTHERWISE, THE CONTRACTOR SHALL ASSUME RESPONSIBILITY RECTIFY ANY UNSATISFACTORY FINISHING RESULTING FROM NEG
- B. PRIOR TO APPLICATION OF PAINT, REMOVE FIXTURES AND FRAMES, ESCUTCHEONS, COVER PLATES, AND OTHER SUCH O WALL AND CEILINGS AND STORE IN PROTECTED AREA UNTIL RE REINSTALLED OR REPLACED. SURFACE HARDWARE ON DO SILENCERS ON FRAMES SHALL BE REMOVED, AND STORED UNTIL BE REPLACED OR REINSTALLED.
- INTERIOR SPACES SHALL BE BROOM CLEAN AND SURFACES BEFORE PAINTING OR FINISHING IS STARTED.
- 10. CEILINGS FOR PAINT SHALL INCLUDE THE GENERAL SURFACE CEILING (INCLUDING LUMINOUS PLENUM SIDES AND SOFFIT DRAPERY POCKETS, ETC.
- 11. WHERE EXISTING CEILING DIFFUSERS, GRILLS AND REGISTERS REUSED, PAINT TO MATCH CEILING.
- 12. WHERE ITEMS OR SURFACES ARE NOT SPECIFICALLY MENTION THE SURFACE TO MATCH ADJACENT MATERIALS AND NOTIFY AS TO WHICH COLOR TO BE USED. CONTRACTOR TO INCLUDE OF WORK PAINTING OF THOSE UNMARKED AREAS UNLESS NOTED.
- 13. PRIMERS SHALL BE AS RECOMMENDED BY THE FINI MANUFACTURER OR PRODUCED BY THE SAME MANUFACTURE FINISH COST AND WHEN THINNERS ARE USED ONL RECOMMENDED LIMITS AS APPROVED BY THE MANUFACTURER. CONTRACTOR TO COORDINATE ALL PAINTING AS NEEDED INCL SHOP PRIMERS, THINNERS, FINISH COATS AND TO INSURE THE OP PAINT APPLICATION BEING USED WITHIN EACH SPECIFIC AREA PROPER PAINTING METHOD SO THAT EACH SURFACE PAINTED IS PAINTED AS PER MANUFACTURERS RECOMMENDATION FOR INCLUDING CURRENT REGULATIONS OF: ASTM: (OTC) VOC REC GREEN SEAL STANDARDS GS-03, ANTI-CORRISIVE AND ANTI-RUS SECOND EDITION, JANUARY 7, 1997 AND GS-11, PAINTED FIR MAY 20, 1993.
- 14. SUBMITTALS: GENERAL CONTRACTOR TO SUBMIT MANUF TECHNICAL INFORMATION INCLUDING PAINT LABEL ANAL CONTENT IN G/L AND APPLICATION INSTRUCTIONS FOR EACH GENERAL CONTRACTOR SHALL SUBMIT SAMPLES (12" X 12") RESPECTIVE SURFACES FOR APPROVAL BY RAND ENGINEE ARCHITECTURE, DPC. PRIOR TO THE APPLICATION OF ANY FIN PROVIDE MOCK-UPS IN FIELD AS DIRECTED BY ARCHITECT. ALL SHALL CONSIST OF PRIMERS, SEALERS, INTERMEDIATE CO SCHEDULE FINISH PAINTS. THE MOCK-UP WILL BE EVALUATED FO PAINT TEXTURE, ADHESIONS, SHEEN AND SIMILAR ATTRIBUTES AN APPROVED BY ARCHITECT PRIOR TO PAINTING WORK PROCEED
- 15. AT THE COMPLETION OF WORK, GENERAL CONTRACTOR TO TOUCH-UP AND RESTORING OF ALL DAMAGED OF DEFACE SURFACES, INCLUDING THE DAMAGE DONE BY OTHER TRADES.
- 16. ALL WORK SHALL HAVE ONE (1) PRIME COAT AND TWO COATS OF PAINT UNLESS OTHERWISE NOTED. WALL AND SHALL HAVE FINE ROLLER BRUSH APPLICATIONS WITH LITT "ORANGE PEEL". DOORS, WINDOWS, TRIMS, MILLWORK SH A FINAL BRUSH COAT APPLICATION WITH FINE BRUSH MAN NO "ORANGE PEEL". CONTRACTOR TO SAND, STEEL WOOL COATS AS NEEDED TO ACHIEVE DESIRED FINISH.
- 17. ALL MATERIALS SHALL BE SPREAD WITH CARE TO A UNIFOR PROPER FILM THICKNESS, WITHOUT RUNS, SAGS, CRAWLS OF DEFECTS. ALL PAINTING SHALL BE APPLIED IN A MANNER SHOW A MINIMUM OF BRUSH WORK. ALL FINISHED SURFACE BE OF A UNIFORM SHEEN, COLOR AND TEXTURE.
- 18. THE CONTRACTOR SHALL, UPON COMPLETION, REM ADHESIVE AND PAINT FROM WHERE IT WAS SPILLED, SPL

	SPLATTERED ON SURFACES, INCLUDING LIGHT FIXTURES, DIFFUSERS AND REGISTERS, SLAB FITTINGS, ETC., AND SHALL LEAVE ALL SURFACES FREE OF DABS, SPOTS AND/OR SPLATTERS. CONTRACTOR SHALL REMOVE ALL ELECTRICAL SWITCH PLATES AND OUTLET PLATES, SURFACES HARDWARE, ETC., BEFORE PAINTING, PROTECTING AND REPLACING SAME WHEN PAINTING HAS BEEN COMPLETED. ANY WORK WHICH CAN NOT BE CLEANED SHALL BE REPLACED AT THIS CONTRACTOR'S EXPENSE.	A A.F.F. A.C.T. ADJ. A/C ALT. ALUM. ANOD.	ABOVE FINISHED FLOOR ACOUSTIC TILE ADJACENT, ADJUSTABLE AIR CONDITIONING ALTERNATE ALUMINUM ANODIZED	 INC. INFO. I.D. INS. INT.	INCORPORATED INFORMATION INSIDE DIAMETER INSULATE (D), INSULATI INTERIOR
19.	THE CONTRACTOR SHALL EXAMINE ALL AREAS OF CONSTRUCTION AFTER COMPLETION OF WORK BY ALL TRADES (INCLUDING TELEPHONE INSTALLATION, FLOORING, ETC.) AND APPROVE ALL NECESSARY "TOUCH UP" PAINTING AND/OR PATCHING	@ AUTO. AVG.	ANGLE AT AUTOMATIC AVERAGE	J J.C. JT.	JANITOR'S CLOSET JOINT
20.	ALL METAL SURFACES SHALL BE PAINTED SEMI-GLOSS U.N.O. TO BE STRIPPED DOWN TO BARE METAL. BARE METAL SURFACES TO BE SANDED SMOOTH AND EVEN TO RECEIVE PRIMER COAT PRIOR TO	B bsmt. blkg.	BASEMENT BLOCKING	K K. PL. KIT. K.D.	KICKPLATE KITCHEN KNOCK DOWN
D		B.O.S BOT./BTM BLDG.	BOTTOM OF STEEL BOTTOM BUILDING	L LAD. LAM.	LADDER LAMINATE (D)
 7. 8. 9. 10. 11. 	 OR AS SPECIFIED. HARDWARE FOR WOOD DOORS FURNISHED BY G.C. INSTALLED BY WOODWORKER, UNLESS OTHERWISE NOTED ALL HOLLOW METAL DOOR BUCK ASSEMBLIES SHALL BE INDICATED ON THE DRAWINGS, REQUIRED BY CODE OR AS REQUIRED BY THE BUILDING MANAGEMENT. ALL BUCKS SHALL BE WELDED TYPE UNLESS OTHERWISE NOTED. ALL BUCKS UTILIZED IN ANY FIRE RATED ASSEMBLY SHALL BE WELDED TYPE AND CONFORM WITH HARDWARE REQUIREMENTS FOR SUCH RATED ASSEMBLIES. FULL REINFORCEMENT OF ALL HARDWARE ATTACHMENT POINTS SHALL BE MADE AS REQUIRED BY THE HARDWARE MANUFACTURER. ALL LOCK SETS SHALL BE CODED AND/OR KEYED IN ACCORDANCE WITH THE CLIENTS' REQUIREMENTS. CODES AND/OR KEYS ARE TO BE DELIVERED TO THE CLIENT PROPERLY TESTED AND/OR TAGGED. PROVIDE THREE (3) PASS KEYS FOR EACH LOCK. THE GENERAL CONTRACTOR SHALL PROVIDE PROTECTION FOR ALL DOORS AND BUCKS TO PREVENT DENTING, SCRATCHING, OR MARRING OF THE FINISHED SURFACES DURING THE CONSTRUCTION PERIOD. SHOULD SUCH 	C CABT. CATV CPT. CLG. CLG. HT. CTR. C.L. OR C C.TO C. C.T. CLOS./CL. COL. CONF. CONF. CONF. CONT. CONT. C.L.L. CONV. D DET. DIA. DIM. D.A. DIM. D.A. DIM. D.A. DIM. D.A. EF. EL. EF. EL. EF. EL. EQUIP. ETP.	CABINET CABLE TV CARPET CEILING CEILING HEIGHT CENTER CENTER LINE CENTER TO CENTER CENTER TO CENTER CERAMIC TILE CLOSET COLUMN COMPANY CONCRETE CONFERENCE CONSTRUCTION CONTINUOUS CONTRACT LIMIT LINE CONVECTOR DETAIL DIAMETER DIMENSION DOUBLE ACTING DOWN DOOR DRAWING DEPARTMENT OF BUILDINGS EACH EACH FACE EXHAUST FAN ELEVATION ELEVATOR ENGINEER EQUAL EQUIPMENT EXISTING TO REMAIN	L.H. L.H.R. LKR. MFG.A. MFG.A. MET. MEZZ. MIN. MISC. MIR. MID. MOV. MOV. M.O. N. N. N. N. N. N. N. N. N. N. N. N. N.	LAVATORY LEFT HAND LEFT HAND REVERSE LOCKER MANUFACTURE (D) (EF MAXIMUM MECHANICAL METAL METAL MEZZANINE MINIMUM MISCELLANEOUS MOLDING MOUNTED MOVABLE MASONRY OPENING NEW NOT APPLICABLE NOT IN CONTRACT NOT TO SCALE NUMBER OFFICE ON CENTER OUTSIDE DIMENSION OVER HEAD OPENING OPPOSITE HAND OUNCE PAIR PANEL PANEL PANEL PANEL PANEL PARTITION PASSAGE
	DOORS AND BUCKS. ALL ELECTRICALLY OPERATED HARDWARE I.E. DEAD BOLTS, STRIKES, DOOR HOLD OPENERS, ETC., WHETHER SPECIFIED OR NOT SHALL BE A FAIL SAFE MODEL AND SHALL BE HOOKED UP TO THE LIFE SAFETY SYSTEM OF THE BUILDING UNLESS OTHERWISE NOTED. ALSO, THE G.C. TO VERIFY THE PROPER TRANSFORMER VOLTAGE AND CIRCUITING OF EACH UNIT. ALL ITEMS OF HARDWARE SHALL BE CAREFULLY FITTED AND SECURED IN	E. / EXG EXPN. F FAB. F. TO F. FD.	EXHAUST EXISTING EXPANSION FABRICATED FACE TO FACE FIELD DIMENSION FFFT	% PERF. P.LAM. P. PLBG. PWD. PRCST. PREFAB. PROJ.	PERCENT PERFORATE (D) PLASTIC LAMINATE PLATE PLUMBING PLYWOOD PRECAST PREFABRICATE (D) PROJECT
15.	POSITIONING OF HARDWARE SHALL BE SUBJECT TO RAND ENGINEERING AND ARCHITECTURE, DPC., APPROVAL. CARE SHALL BE TAKEN NOT TO MAR OR DAMAGE HARDWARE OR OTHER WORK.	FIN. F.E. F.E.C. F.H.C. FLR. FLUOR. FL. JT. FR FURN.	FINISH (ED) FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FIRE HOSE CABINET FLOOR FLUORESCENT FLUORESCENT FILUSH JOINT FIRE RATED FURNISH/FURNITURE	Q QTY. QT. QTR. 1/4 RND. R RBT.	QUANTITY QUART QUARTER QUARTER ROUND RABBET
16.	THE CONTRACTOR SHALL AT ALL TIMES BE RESPONSIBLE FOR THE DISTRIBUTION OF KEYS FOR THE HARDWARE INSTALLED DURING PROGRESS OF THE WORK.	G GAL.	GALLON	RAD. REL. RFL.	RADIUS RELOCATE (D) REFLECT (ED) (OR) (IVE
	REMOVE TRIM FOR PAINTING AND FINISHING WORK. IN ORDER TO PROTECT THE FINISHED WOODWORK, THE CONTRACTOR SHALL REINSTALL THE HARDWARE IN A PERMANENT MANNER ONLY AFTER DOOR STOPS HAVE BEEN INSTALLED.	GALV. GKT. G.C. GL. GYP. BD.	GALVANIZED GASKET GENERAL CONTRACTOR GLASS GYPSUM BOARD	REFR. REINF. REQ'D. RES. R/A	REFRIGERATOR REINFORCE REQUIRED RESILIENT RETURN AIR
	APPROVAL.	H HDWD.	HARDWOOD	R.H. R.H.R.	REVISE, REVISION RIGHT HAND RIGHT HAND REVERSE ROOFING
	MANAGEMENT, SEE DOOR SCHEDULE/HARDWARE SCHEDULE FOR INFOMATION.	HD. HDR. HT.	HEADER HEIGHT	RM. R.O.	ROOFING ROOM ROUGH OPENING ROUND
20.	ALL DOORS (NEW AND EXISTING) SHALL HAVE DOOR STOPS AND BUMPERS OR SILENCERS. DOOR STOPS TO BE FLOOR MOUNTED, UNLESS OTHERWISE NOTED.	H.C. H.M. HOR. HR.	HOLLOW CORE HOLLOW METAL HORIZONTAL HOUR		
	20. 20. D 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 19.	 AND. REGREES, SLAB. FITTINGS, ETC., AND. SHALL LEAVE ALL SURFACES RELEOF DASS, SOTOS AND/OR SPLATERS, CONTRACTOR SHALL REMOVE ALL ELCTRICAL SWITCH PLATES AND OUTELPLATES, SURFACES HARDWARE, FICE, BETORE PANING, PROJECTING AND REPLACING SAME WHEN FAITING HAS BEEN COMPLETED. ANY WORK WHECH CAN NOT BE CLEANED SHALL BE REPLACED AT HIS CONTRACTOR SHALL EXAMINE ALL AREAS OF CONSTRUCTION AFER COMPLETION OF WORK BY ALL TRADES (INCLUDING TELEPHONE INSTALLIATION, FLOORING, ECC). AND APROVE ALL NECESSARY TOUCH UP PANTING AND/OR PATCHING. THE CONTRACTOR SHALL PRANTING AND/OR PATCHING. ALL METAL SURFACES SHALL BE FAINTED SEM-GLOSS UNLO. TO BE SIRPPED DOWN TO BARE METAL, BARE MELL, SURFACES TO BE SIRPPED DOWN TO BARE METAL, BARE MELL, SURFACES TO BE SIRPPED DOWN TO BARE METAL, BARE MELL, SURFACES TO BE SIRPPED DOWN TO BARE METAL, BARE MELL, SURFACES TO BE SIRPPED DOWN TO BARE PROVIDE REQUIRED BUCK ASSEMUES AS SHOWN ON HAND EVEN TO RECEIVE PRIVATE ADD. CONSTRUCTION AND FUSHHOLLOW METAL DOOR DRAWINGS, DETAILS AND SCHEDUIS. THE GENERAL CONTRACTOR SHALL PROVIDE HARDWARE FOR ALL DOORS AS SHOWN ON HARD WHEAT DOOR DRAWINGS, DETAILS AND SCHEDUIS. THE GENERAL CONTRACTOR SHALL PROVIDE HARDWARE FOR ALL DOORS AS SHOWN ON HARD WARE SCHEDUIE. ALL HARDWARE SCHEDUIE DINISAL THE FINISHED HARDWARE. DETAILED HOLLOW METAL DOOR AND HARDWARE SCHEDUIES SHALL BE ASUMED TO PAPROVIA. HAS BEEN RECOVED. ALL HARDWARE SCHEDUIE IN AND ARE SERVER. DETAILED HOLLOW METAL DOOR AND HARDWARE SCHEDUIES SHALL BE SUBMITED TO RAND. ENGINEERIC AND ARE SHALLED AND TAPPED IN THE SHOP AS REQUIRED AND ARCHITECTURE, DEC., FOR APPROVAL HARD BARE HARD ASSEMBLY SHALL BE INDICATED AND TAPPED IN THE SHOP AS REQUIRED AND ARCHITECTURE. ALL HARDWARE MARL BE FINDIGED AND ARE	 ADD. REGISTERS, SLAB. FITTINGS, ELC., AND SHALL LEVE ALL LEVE ALL LEVE ALL LEVE RECOVER ALL BECTRECAL SWITCH PLATES AND COLLECTIONS AND ALL BECTRECALS AND ALL BECTRECED AT THIS CONTRACTORS EXPENSE. THE CONTRACTOR SHALL BECTRECAL SWITCH PLATES AND COLLECTION AT THE CONTRACTOR SHALL BECTRECALS AND ALL BEAR AND ALL READS OF CONSTRUCTION AT CONTRACTORS EXPENSE. THE CONTRACTOR SHALL DRAWNE ALL AREAS OF CONSTRUCTION ATC. NANC. AND ALL BEAR MICH. BARE MELLS AND AND ALL READS INCLUDING LEVENDER INSTALL BE PLATED SWIFTIGGING. AND A AND ALL READS AND CONTRACTORS AND AND ALL READS INCLUDING TO BARE WEAL BE ARRED SWIFTIGGING AND ALL READS AND CONTRACTORS AND ALL READS AND ALL	Address Products Contractors Sile Action For Characterized Analysis Processing Contractors Sile Action For Characterized Analysis Processing Contractors Sile Action For Characterized Analysis Processing Contractors Sile Action Status Processing Contractors Sile Action Sile Action Contractors Sile Action Sile Action	Add Add

				, symbols	
			SYMBOLS	DESCRIPTION	
	S SA SCH. SECT.	SUPPLY AIR SCHEDULE (D) SCH. SECTION	1 A-201	ELEVATION REFERENCE MARK	RAND ENGINEERING & ARCHITECTURE, DPC 159 WEST 25TH STREET
,TION	SIM. SPK SPKR SPECS. SPRYD.	SIMILAR SPEAKER SPK. SPRINKLER SPECIFICATIONS SPRAYED	A A-302	SECTION REFERENCE MARK	NEW YORK, NY 10001 TEL. (212) 675-8844/ FAX (212) 691-7972 CLIENT: Susan H. Wright, RA CPHC LEED AP
	SF/ SQ. FT ST./S.S. STD.	SQUARE FOOT STAGGERED STAINLESS STEEL STANDARD	1 A101	DETAIL REFERENCE MARK	VP for Design and Construction Selfhelp Reality Group/ The Melamid Institute for Affordable Housing 520 Eight Avenue, 5th Floor
	STL. Sto. St. Struct. Sub.	STEEL STORAGE STREET STRUCTURAL SUBSTITUTE	ALIGN	ALIGN SURFACE	New York, NY 10018 Cell: 201-420-6845 Office: 212-971-7746 Email: swright@selfhelp.net
		SUSPENDED CEILING SWITCH		BREAK LINE	\wedge
	T			MATCH LINE	
ER)	TECH. TEL. T.V. TEMP.	TECHNICAL TELEPHONE TELEVISION TEMPERATURE	ROOM NO. SF	ROOM TAG	JOTFOR JON
EK)	TSTAT THK. THRD. TPTN. T&G	THERMOSTAT THICK (NESS) THREAD (S) TOILET PARTITION TONGUE & GROOVE	\bigcirc	DRAWING REVISION	NOTFOR TON CONSTRUCTION
	THRD.O.A. TYP.	TOP OF STEEL TYPICAL		REVISION TAG	
	U		#	KEY NOTE	KEY PLAN: INDICATES LOCATION OF CELLAR REPAIR
	U.C. T. U.O.N.	UNDERCUT UNFINISHED UNLESS OTHERWISE NOTED	• FLOOR EL: 1'-3"	ELEVATION MARKER	POST ROAD BROADWAY BROADWAY
	V VNR. VERT.	VENEER VERTICAL	•	STARTING POINT (FINISH/CEILING ETC.)	WEST 256TH STREET
	VEST. VIF. V.T. VOL.	VESTIBULE VERIFY IN FIELD VINYL COMPOSITION TILE VOLUME	(#)	BUBBLE - GRID LINE	
	W WC W/	WATERCLOSET WITH		PARTITION TAG	
	WD WWM	wood welded wire mesh	Q###	DOOR TAG	
			(W002) (PL1)	WINDOW TAG FINISH MILLWORK TAG	11/04/24 ISSUED FOR BID JB 10/25/24 ISSUED FOR CLIENT REVIEW JB REV. DESCRIPTION DRAWN
			<u> </u>	PLUMBING FIXTURE/ BATHROOM ACCESSORY TAG	DATE BY SEAL & SIGNATURE:
			GR01	FINISH FLOOR TAG	
			P1 B1	FINISH WALL TAG	PROJECT DESCRIPTION: LIMITED CELLAR LEVEL REPAIR PROGRAM
			CLI -	FINISH CEILING TAG	PROJECT LOCATION:
			L#	LIGHT FIXTURE TAG	6469 BROADWAY BRONX, NY 10471
			© SD/CM	SMOKE/CARBON MONOXIDE (CO2) DETECTOR	SHEET TITLE: GENERAL NOTES
√E)					
			DOB NOW #:		RAND JOB #: M201205 SCALE: AS NOTED
E			DOB STAMP:		DATE: 10/08/2024 DRAWING BY: JB
					REVIEWED BY: ML NUMBER OF SHEETS: 1 OF 4 SHEET NO.:
					A-001.00



	LEGEND - COM	NSTRUCTION		
	Symbol	DESCRIPTION	SYMBOL	DESCRIPTION
v & existing to be uniform &		NOT IN CONTRACT		EXISTING TO REMAIN
ORE FABRICATION OF DOORS &				
-401 FOR FLOOR FINISH; REFER TO	·	PROPERTY LINE	×,	EXIT SIGN W/DIRECTIO
DER SEPARATE APPLICATIONS.	P# -	FINISH FLOOR TAG		NEW DOOR ASSEMBLY W/DOOR TAG
	P# -	FINISH WALL TAG		



	LEGEND-REFLEC	TED CEILING	
	SYMBOL	DESCRIPTION	Symbol
	L#	NEW LED LINEAR PENDENT	\$
	-¢ _E	EXISTING LIGHT FIXTURE TO REMAIN	
	€EM#	NEW EXIT SIGN (ARROWS PER PLAN)	
	P#	FINISH CEILING TAG	

DOC	R SCHEDULE								LIGH	HT FIXTURE SCHE	DULE					
				SIZE					TAG	TYPE	MANUFACTURER	STYLE/MODEL		SIZE	1	COLOR
TAG	LOCATION	DOOR MATERIAL	TYP	WIDTH	HEIGHT	THK.	- FINISH	HARDWARE TYPE NOTE			MANULACIURER	STILL/MODEL	WIDTH	LENGTH	HT/THK	
CELLAR									L1	LINEAR LED PENDANT	DAY-BRITE CFI BY SIGNIFY	LINEAR FLUXSTREAM STRIP FSS440L840-UNV-DIM-SWZCS	2 1/2 "	44 3/4"	3"	WHITE
D001	ELECTRICAL ROOM	90 MIN FIRE - RATED HOLLOW METAL DOOR	A	3'-0''	7'-0''	0'-1 3/4''	P3	A	L1-EM	LINEAR LED PENDANT W/EM	DAY-BRITE CFI BY SIGNIFY	LINEAR FLUXSTREAM STRIP FSS440L840-UNV-DIM-SWZCS -EMLED	21/2"	44 3/4"	3"	WHITE
D002	ELECTRICAL ROOM	90 MIN FIRE - RATED HOLLOW METAL DOOR	A	3'-0''	7'-0''	0'-1 3/4"	P3	A								
D003	ELEVATOR MACHINE ROOM	90 MIN FIRE - RATED HOLLOW METAL DOOR	A	3'-0''	7'-0''	0'-1 3/4"	P3	A	EM1	EXIT SIGN - WALL MOUNT	ENCORE	UNO SERIES XS-SW-1-W	15 5/8"	48''	2.48"	
D004	EGRESS STAIR D	90 MIN FIRE - RATED HOLLOW METAL DOOR	B	3'-0''	7'-0''	0'-1 3/4"	P3	B	EM2	EXIT SIGN - CEILING MOUNT	ENCORE	UNO SERIES XS-SC-2-MM-DH-P**	2.05"	48"	2.48"	
D005	EM POWER	90 MIN FIRE - RATED HOLLOW METAL DOOR	A	3'-0''	7'-0''	0'-1 3/4"	P3	A	1. CO1	NG NOTES: NFIRM ALL SENSORS AND EM ER TO POWER & LIGHTING D						
D006	GAS METER ROOM	90 MIN FIRE - RATED HOLLOW METAL DOOR	A	3'-0''	7'-0''	0'-1 3/4"	P3	A		ENT TO CONFIRM FINAL SWIT						
D007	TELCOM CL.	90 MIN FIRE - RATED HOLLOW METAL DOOR	A	3'-0"	7'-0''	0'-1 3/4"	P3	A	FINI	SH SCHEDULE						
D008	FIRE PUMP ROOM	90 MIN FIRE - RATED HOLLOW METAL DOOR	A	3'-0''	7'-0''	0'-1 3/4"	P3	A	TAG		MANUFACT		E/ MODEL		SIZE	
D009	WATER METER ROOM	90 MIN FIRE - RATED HOLLOW METAL DOOR	A	3'-0''	7'-0''	0'-1 3/4"	P3	A			MANUTACI				JIZL	
D010	COMPACTOR ROOM	90 MIN FIRE - RATED HOLLOW METAL DOOR	Δ	3'-0"	7'-0''	0'-1 3/4"	P3	A	P-1	PAINT	RUST-OLE	UM CONCRETE AN PAINT DE	ID GARAGE		N/A	
D011	COMPACTOR ROOM	90 MIN FIRE - RATED HOLLOW METAL DOOR	А	3'-0''	7'-0''	0'-1 3/4"	P3	A	P2	PAINT	BENJAMIN M	IOORE SC	CUFF-X		N/A	SI
D012	ELECTRICAL ROOM	90 MIN FIRE - RATED HOLLOW METAL DOOR	Δ	3'-0''	7'-0''	0'-1 3/4"	P3	A	P3	PAINT	BENJAMIN M		CUFF-X		N/A	PA
D013	EGRESS STAIR A	90 MIN FIRE - RATED HOLLOW METAL DOOR	B	3'-0''	7'-0''	0'-1 3/4"	P3	В								
D014	SERVICE ACCESS	90 MIN FIRE - RATED HOLLOW METAL DOOR	Δ	3'-0''	7'-0''	0'-1 3/4"	P3	A	P4		BENJAMIN M		CUFF-X		N/A	SI
D015	STORAGE	90 MIN FIRE - RATED HOLLOW METAL DOOR	٨	3'-0"	7'-0''	0'-1 3/4"	P3	A				S IN FIELD FOR OWNER APPRO				

DOOR NOTES

1. FINAL HARDWARE SCHEDULE TO BE CONFIRMED BY OWNER.

2. KEYING OF ALL LOCKS TO BE CONFIRMED BY OWNER.

3. MASTER KEY TO BE PROVIDED FOR ALL LOCKS.

4. ALL DOOR SIZES & DOOR HARDWARE FUNCTIONS TO BE VERIFIED IN FIELD PRIOR TO FABRICATION.

5. SALVAGE EXISTING DOOR SIGNAGE AND REINSTALL. COORDINATE WITH OWNER.

HARDWARE SCHEDULE

SET	ТҮРЕ	HARDWARE	NOTE
		HINGES: STANLEY 5-KNUCKLE FULL MORTISE HINGE F191 (32D)	SIZE: 4-1/2" X 4-1/2
		MORTISE SET: SARGENT 8200 SERIES	FUNCTION: 8204 S US3D SATIN STAINI STANDARD; ESCU
A	UTILITY/STORAGE ROOM	CLOSER: SARGENT 1431 SERIES DOOR CLOSER	FINISH: US32D; OP
A		KICK PLATE: ROCKWOOD K1050 KICKPLATE	FINISH: US32D; SID
		GASKETING: NGP 5050C	LENGTH: VERIFY IN
		DOOR SWEEP: PEMKO	225 V BOTTOM SV
		HINGES: STANLEY 5-KNUCKLE FULL MORTISE HINGE F191 (32D)	SIZE: 4-1/2" X 4-1/2
		EXIT DEVICE: SARGENT 80 SERIES EXIT DEVICE	FUNCTION: 06 STC STAINLESS; TRIM: L OPTIONS: 12 UL FII
B EGRESS DOOR	EGRESS DOOR	CLOSER: SARGENT 1431 SERIES DOOR CLOSER	FINISH: US26D; OP
		KICK PLATE: ROCKWOOD K1050 KICKPLATE	FINISH: US32D; SID
		GASKETING: NGP 5050C	LENGTH: VERIFY IN

HARDWARE NOTES:

1. QUANTITIES TO BE VERIFIED BY GC

2. CONTRACTOR TO INCLUDE PRICING FOR WALL AND/OR FLOOR MOUNTED DOOR STOPS FOR EACH DOOR.

DOOR HARDWARE GENERAL NOTES

4.13.9 DOOR HARDWARE: HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE. THEY SHALL BE MOUNTED WITHIN REACH RANGES SPECIFIED IN 4.2 (ANSI A117.1). LEVER-OPERATED MECHANISMS, PUSH-TYPE MECHANISMS, AND U-SHAPED HANDLES ARE ACCEPTABLE DESIGNS.

4.13.10 DOOR CLOSERS: IF A DOOR HAS A CLOSER, THEN THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO AN OPEN POSITION OF APPROXIMATELY 12 DEGREES.

4.13.11 DOOR-OPENING FORCE. THE MAXIMUM FORCE, EXPRESSED IN POUND-FORCE (Ibf) AND NEWTONS (N), FOR PUSHING OR PULLING OPEN A DOOR SHALL BE AS FOLLOWS:

(1) FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY.

(2) OTHER DOORS:

(a) EXTERIOR HINGED DOORS: 8.5 lbf (37.8 N)

INTERIOR HINGED DOORS: 5 lbf (22.2 N) (b) (c) SLIDING OR FOLDING DOORS: 5 lbf (22.2 N)

THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT MAY HOLD THE DOOR IN A CLOSED POSITION.

2. FINAL FINISH COLORS TO BE CONFIRMED BY OWNER AND ACCEPTED VIA SUBMITTAL.



4 STOREROOM OR CLOSET LOCK; FINISH: INLESS; TRIM: L STANDARD; ROSE: L CUTCHEON: NOTE

OPERATION: STANDARD

SIDES: BOTH; LENGTH: VERIFY IN FIELD

(IN FIELD; PERIMETER GASKETS

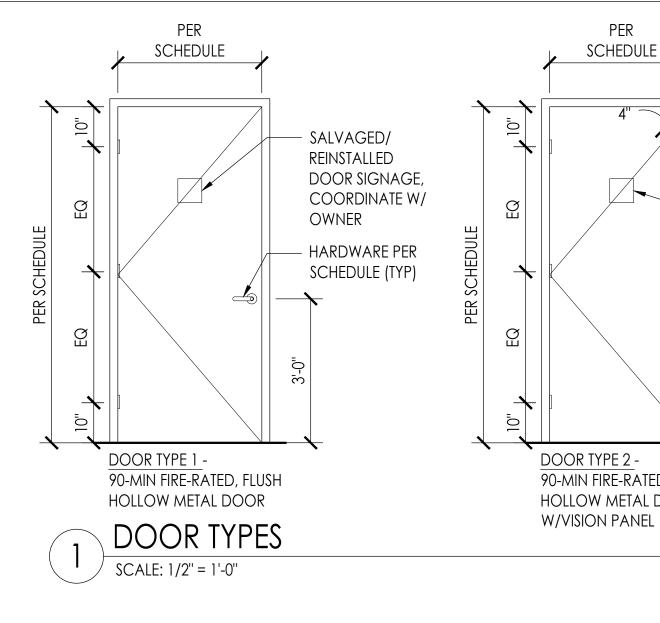
SWEEP

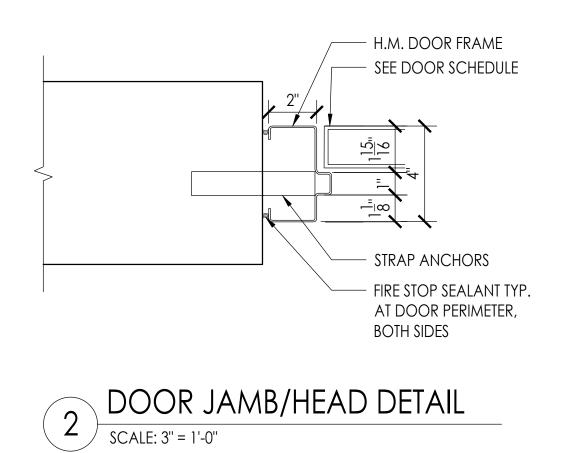
1/2"; FINISH: 32D SATIN STAINLESS

STOREROOM; FINISH: US32D SATIN 1: L STANDARD; ROSE: L STANDARD; FIRE LABEL EXIT HARDWARE OPERATION: STANDARD

SIDES: BOTH; LENGTH: VERIFY IN FIELD

Y IN FIELD; PERIMETER GASKETS





	FINISH	LAMPS	DIM	NOTE	ENGINEERING & ARCHITECTURE, DPC
					NEW YORK, NY 10001 TEL. (212) 675-8844/ FAX (212) 691-7972
	STANDARD	4000K	YES		CLIENT: Susan H. Wright, RA CPHC LEED AP
	STANDARD	4000K	YES		VP for Design and Construction
		N/A	NO		Selfhelp Reality Group/ The Melamid Institute for Affordable Housing 520 Eight Avenue, 5th Floor
		N/A	NO	ADD PENDANT OPTION, LENGTH TO BE VIF	New York, NY 10018 Cell: 201-420-6845 Office: 212-971-7746
			<u> </u>		Email: swright@selfhelp.net
					NOTFOR ION NOTFORTION CONSTRUCTION
COLC	R	FINIS	SH	NOTE	NO RUS
CHARCOAI	GRAY	MAT CLE/		FLOOR FINISH	
SUPER WHITE	OC-152	EGGSI	HELL	WALL FINISH	KEY PLAN: INDICATES LOCATION
PADDINGTON	BLUE 791	SEN GLO		DOOR FINISH	OF CELLAR REPAIR
SUPER WHITE	OC-152	MAT		CEILING FINISH	Post Road
					POST RO. POST RO.
					WEST 256TH STREET
					_
1					
	- VISION PANI	EL			
2'-1"					11/04/24ISSUED FOR BIDJB10/25/24ISSUED FOR CLIENT REVIEWJB
	– Salvaged/ _ Reinstalled)			REV. DESCRIPTION DRAWN DATE BY
	DOOR SIGN				SEAL & SIGNATURE:
	OWNER – HARDWARE	PFR			
30"	SCHEDULE (1				
					PROJECT DESCRIPTION:
					REPAIR PROGRAM
, flush Oor					PROJECT LOCATION:
					6469 BROADWAY
					BRONX, NY 10471
					SCHEDULES AND DETAILS
			DOB	10W #:	RAND JOB #: M201205
					SCALE: AS NOTED
			DOB S	TAMP:	DATE: 10/08/2024 DRAWING BY: JB
					REVIEWED BY: ML
					NUMBER OF SHEETS: 4 OF 4 SHEET NO.:
					JHLLINU
					A-401.00

LIMITED CELLAR LEVEL REPAIR PROGRAM 6469 BROADWAY, BRONX, NEW YORK

ABBREVIATIONS

	LVIAIIONS
А	AMPS
AC	ALTERNATING CURRENT
AF	AMP FUSE
AFCI	ARC FAULT INTERRUPT
AFF	ABOVE FINISHED FLOOR
AS	AMP SWITCH
В	BOILER
BLDG	BUILDING
BSMT	BASEMENT
BTU	BRITISH THERMAL UNIT
С	CONDUIT
C/B	CIRCUIT BREAKER
CAB	CABINET
CAT	CATALOGUE
CKT	CIRCUIT
CLG	CEILING
CONC	CONCRETE
CONT	
D	DEPTH
DC	DIRECT CURRENT
DIA	DIAMETER
DN	DOWN
DWG	
extg Ea	EXISTING EACH
EC	EMPTY CONDUIT
FI	ELECTRIC
ELEV	ELEVATOR
EM	ON EMERGENCY CIRCUIT
EQPMT	EXPLOSION PROOF
EXIST	EQUIPMENT
°F	DEGREES FARENHEIT
FA	FUSED AT
FLR	FLOOR
FLUOR	FLUORESCENT
FT	FEET
G	GROUND
GA	GAUGE
GALV	GALVANIZED
GFI	GROUND FAULT INTERRUPT
HC	HUNG CEILING
HD	HEAD
HR	HOUR
HT	HEIGHT
IG	ISOLATED GROUND
IN	INCHES
	INCANDESCENT
INT	
JB KP	JUNCTION BOX KITCHEN PANEL
kr KWA	KILOVOLT AMPERES
KW	KILOWATT
КМН	KILOWATT HOURS
LP	LIGHTING PANEL
LIG	LIGHTING
Μ	MAIN
MACH	MACHINE
МС	MECHANICAL CONTRACTOR
МСС	MOTOR CONTROL CENTER
МСМ	THOUSAND CIRCULAT MILS
MFGR	MANUFACTURER
MIN	MINIMUM
MTD	MOUNTED
MTR	MOTOR
Ν	NEUTRAL
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NIC	NOT IN CONTRACT
NC	NORMALLY CLOSED
No	NUMBER
NTS	NOT TO SCALE

OL	OVERLOAD
Р	PUMP
PH	PHASE
PP	POWER PANEL
REC	RECEPTACLE
SP	SPARE
STD	STANDARD
SWBD	Switchboard
TV	TELEVISION
TYP	TYPICAL
V	VOLTS
VIF	VERIFY IN FIELD
W	WATTS
W/	WITH
W/O	WITHOUT
WP	WEATHERPROOF
WT	WIRING TROUGH
XFMR	TRANSFORMER
φ	PHASE

₽	COUNTER RECEPTACLE
ŧ	COUNTER GFI RECEPTACLE
	CEILING MOUNTED RECEPTACLE
\bigotimes	CEILING MOUNTED EXIT SIGN
—————	CONDUIT RISING UP
	CONDUIT DROPPING DOWN
\bigcirc	CONDUIT TEE OUTLET DOWN
•	CONCENTRIC CONDUIT REDUCER
	CONDUIT CAP
SD/CO2	COMBINATION SMOKE AND CARBON MONOXIDE DETECTOR
DPS	DAYLIGHT PHOTOCELL SENSOR
Φ	DUPLEX RECEPTACLE
φ	DEDICATED RECEPTACLE
DS	DISCONNECT SWITCH
DB	DOOR BELL PUSH BUTTON
\bigcirc	DUCT SMOKE DETECTOR
	ELECTRICAL PANEL
Ē	EMERGENCY CALL BUTTON
	EMERGENCY 2 HEAD LIGHTS
▽ ▽ EXIT	EMERGENCY EXIT SIGN WITH 2 HEAD LIGHTS
\bigcirc	FLOOR MOUNTED RECEPTACLE
JB	FLOOR/ CEILING MTD JUNCTION BOX
P	GFI RECEPTACLE
(IC)	INTERCOM
$\overline{\bigotimes}$	ILLUMINATED EXIT SIGN WITH DIRECTIONAL ARROW
X	MOTOR HP
<u>OS</u>	OCCUPANCY SENSOR
#	QUADRUPLEX RECEPTACLE
Φ^{S}	SWITCH OUTLET
Φ	SWITCHED RECEPTACLE
(2)	SMOKE DETECTOR
CAM <	SECURITY & CAMERA SYSTEM

ELECTRICAL SYMBOLS

CR CARD READER

	GENERAL NOTES	SCO)PE (
 \$ SINGLE POLE SWITCH \$ 2-WAY LIGHT SWITCH 	A. ALL WORK AND MATERIALS FURNISHED SHALL COMPLY WITH THE NYC CONSTRUCTION CODES, THE UNIFORM BUILDING CODE OF THE STATE OF NEW YORK, THE NATIONAL BOARD OF FIRE UNDERWRITERS, AND ALL FEDERAL, STATE & MUNICIPAL AUTHORITIES HAVING JURISDICTION OVER THE WORK.	REMC INSTA ILLUM	OVE EXI ALLATION AINATED
\$33-WAY LIGHT SWITCH\$0SWITCH WITH DIMMER	B. THE GENERAL CONTRACTOR SHALL OBTAIN AND PAY FOR THE DEPARTMENT OF BUILDINGS WORK PERMIT(S) PERTAINING TO THIS ALTERATION, AND ALL OTHER PERMITS AND APPROVALS AS REQUIRED BY LAW FOR THE COMPLETED CONSTRUCTION.	INSTA INSTA NEW	
 \$ _{SEC} SECURITY LIGHT SWITCH	C. ALL DEMOLITION OPERATIONS, REPAIR OPERATIONS, AND ALTERATION OPERATIONS SHALL BE DONE IN ACCORDANCE WITH THE NYC BUILDING CODE, CHAPTER 33, SECTION BC 3301 - BC 3320.		all new Ing pai Elboare
(Tr) TIMER Y TELEPHONE JACK			all new PS, futu Ting An
DATA JACK			
TELEPHONE AND DATA JACK	TENANT SAFETY NOTES - TENANT PROTECTION	DRA	4WI
-x x x WIRING/CONDUIT TO BE REMOVED HJB WALL MTD JUNCTION BOX INDICATES 1 HOT, 1 NEUTRAL, AND 1 GROUND CONNECTION	1. THE CONTRACTOR SHALL RETAIN A REGISTERED DESIGN PROFESSIONAL LICENSED IN THE STATE OF NEW YORK TO PREPARE A TENANT PROTECTION PLAN AS REQUIRED BY THE DOB FOR ANY ALTERATION, CONSTRUCTION, OR PARTIAL DEMOLITION OF BUILDINGS IN WHICH ANY DWELLING UNIT WILL BE OCCUPIED DURING CONSTRUCTION INCLUDING NEWLY CONSTRUCTED BUILDINGS THAT ARE PARTIALLY OCCUPIED WHERE WORK IS ONGOING, NOTING ESTABLISHED EXCEPTIONS AS PER AC 28-120.1.		
AND T GROUND CONNECTION INDICATES 2 HOT, 1 NEUTRAL, AND 1 GROUND CONNECTION INDICATES 3 HOT, 1 NEUTRAL, AND 1 GROUND CONNECTION	 AS PER AC 26-120.1. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A SIGNED STATEMENT CERTIFYING THAT THE TENANT PROTECTION PLAN PREPARED BY THE REGISTERED DESIGN PROFESSIONAL LICENSED IN THE STATE OF NEW YORK COORDINATES WITH THE SCOPE OF WORK INTENDED AND SHALL ENSURE THAT THE TENANT PROTECTION PLAN IS FILED WITH THE DOB AND THAT SUCH PLAN BE APPROVED BY THE DOB PRIOR TO REQUEST FOR A WORK PERMIT PER AC 28-120.1. 	SHEET NO. E-001	REV.
ELECTRICAL CONDUIT/WIRING DRAWING NOTATIONS	 THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISTRIBUTING TO EACH OCCUPIED DWELLING UNIT THE TENANT PROTECTION PLAN NOTICE TO OCCUPANTS, AND POST IN THE LOBBY AND ON EACH FLOOR WITHIN TEN FEET OF THE ELEVATOR, OR IF THE BUILDING DOES NOT HAVE AN ELEVATOR, WITHIN TEN FEET OF OR IN THE MAIN STAIRWELL ON EACH FLOOR AS PER AC 28-120.1. 	E-002 E-101 E-102 E-201	.00 .00 .00 .00
 POINT OF DISCONNECTION POINT OF CONNECTION NEW TO EXISTING PLAN NOTE NUMBER 	4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISTRIBUTING TO EACH OCCUPIED DWELLING UNIT A SAFE CONSTRUCTION BILL OF RIGHTS NOTICE OR POST IN THE LOBBY AND 1) ON EACH FLOOR WITHIN TEN FEET OF THE ELEVATOR, OR 2) IF THE BUILDING DOES NOT HAVE AN ELEVATOR, WITHIN TEN FEET OF OR IN THE MAIN STAIRWELL ON EACH FLOOR AS PER AC 28-120.1.	E-301	.00
X PLAN NOTE NUMBER INDICATES REVISION AND NUMBER DIRECTION OF RISER UP&DN TYPE	5. AT LEAST 5 DAYS BEFORE WORK IS SET TO BEGIN, THE CONTRACTOR MUST ADVISE THE OWNER IN WRITING OF THE OWNER'S OBLIGATION TO NOTIFY THE DOB AT LEAST 3 DAYS BEFORE STARTING ANY WORK REQUIRING A TENANT PROTECTION PLAN AS PER AC 28-120.1.		
RISER NUMBER			
 INDICATES SECTION NUMBER INDICATES ON WHICH DRAWING SECTION APPEARS	FLOOD ZONE COMPLIANCE STATEMENT PROPERTY IS NOT LOCATED IN A SPECIAL FLOOD HAZARD ARE PER EFFECTIVE 2007 FEMA FIRM AND PRELIMINARY 2013 FEMA F		
	BLOCK: 5851 LOT: 7501 BOROUGH: BRONX ZONING MAP#:1C OCCUPANCY CLASSIFICATION: R-2 LPC STATUS: YES NO IN INFORMATION INFORMATIO		The second

<u>SITE PLAN</u>

(NOT TO SCALE)

WEST 256TH STREET

	RAND ENGINEERING & ARCHITECTURE, DPC 159 WEST 25TH STREET NEW YORK, NY 10001 TEL. (212) 675-8844/ FAX (212) 691-7972					
	OWNER: 6469 BROADWAY HDFC, INC. 6469 BROADWAY SELFHELP, LLC c/o SELFHELP COMMUNITY SERVICES 520 8th AVENUE, 5th FLOOR NEW YORK, NY, 10018 Tel: (212) 971-7746 Attn: SUSAN WRIGHT Email: swright@selfhelp.net					
EXISTING CELLAR LIGHTING FIXTURES AND THREE EXIT SIGNS, FOLLOWED BY THE ION OF ALL NEW LIGHTING FIXTURES FITTED WITH OCCUPANCY SENSORS AND FIVE (5) TED EXIT SIGNS THROUGHOUT THE CELLAR LEVEL INTERIOR. EW 225-AMPERE, 3-PHASE, 208-VOLTS, 42-POLE LOADCENTER [PP-1] IN CELLAR. EW MANUAL TRANSFER SWITCH SERIES 300, POWER INLET BOX AND 50-FEET CORD FOR 00 WATT GAS FIRED GENERATOR. NEW 4-#4/0 AWG CONDUCTORS IN 2-INCH ELECTRICAL METALLIC TUBING FROM PANEL EMDP-1 IN EMERGENCY POWER ELECTRICAL ROOM (OR ANOTHER 3-PHASE ARD) IN ELECTRICAL ROOM TO NEW PP-1 LOADCENTER IN CELLAR.						PROPERTY MANAGER: BRONX PRO GROUP 1605 MLK Jr. BLVD. BRONX, NY, 10453 Tel: (718) 684-5556 Attn: EMRUSH ZEQAJ Email: ezeqaj@bronxprogroup.com
INTERCONNECT TO EMERGENCY LIGHTAND CONTROLS, AND INTERCONNECT TO EMERGE	hts and exit sign	NS, A ER SY	ENT REVIEW	CE		
 V. SHEET TITLE 0 ELECTRICAL NOTES, ABBREVIATION AND SYME 0 ELECTRICAL SPECIFICATIONS 0 ELECTRICAL CELLAR PROPOSED POWER PLAN 0 ELECTRICAL CELLAR PROPOSED LIGHTING PLAN 0 ELECTRICAL PANEL SCHEDULE AND RISER DIAC 0 ELECTRICAL DETAILS 	I AN			ISSUED F(11/04/24 ISSUED FOR BID RA/RS 10/25/24 ISSUED FOR CLIENT REVIEW RA/RS 10/04/24 50% CD RA REV. DESCRIPTION DRAWN BY SEAL & SIGNATURE:
						PROJECT DESCRIPTION: LIMITED CELLAR LEVEL REPAIR PROGRAM PROJECT LOCATION: 6469 BROADWAY BRONX, NY 10471
Moshou Muk					SHEET TITLE: ELECTRICAL NOTES, ABBREVIATIONS AND SYMBOLS RAND JOB #: M201205 SCALE: AS NOTED DATE: 09/27/2024 DRAWING BY: RS/RA REVIEWED BY: PEV NUMBER OF SHEETS: 1 OF 6	
						NUMBER OF SHEETS: 1 OF 6 SHEET NO.: E-001.00

EL	ECTRICAL SPECIFICATIONS	
<u>1.1</u>	PRODUCTS	F. ALL WORK SHALL BE GUARAI
Α.	THE SIZES OF ALL WIRES, CONDUIT, AND FITTINGS SHALL BE AS SPECIFIED IN THE NATIONAL ELECTRICAL CODE, UNLESS OTHERWISE INDICATED ON THE PROJECT DRAWINGS AND/OR SPECIFICATIONS.	FINAL ACCEPTANCE OF THI DEFECTS DURING THAT TIME OWNER & ENGINEER.
В.	ALL WIRES AND CABLE SHALL BE COPPER TYPE, "THHN," 600 VOLT INSULATED. NO WIRE SMALLER THAN #12 AWG SHALL BE USED FOR LIGHT OR POWER SERVICES. #8 AWG AND LARGER SHALL BE STRANDED. HOME-RUN CIRCUITS FOR 120 VOLT BRANCHES SHALL BE AS FOLLOWS: 0 TO 50 FEET: #12 AWG 50 TO 100 FEET: #10 AWG	 G. FURNISH ADEQUATE LIABILITY H. ALL EQUIPMENT SHALL BE N BECOME THE PROPERTY OF THE
C.	100 FEET AND LONGER: #8 AWG ALL FEEDERS AND CONDUCTORS CONTAINED IN CABLES SHALL BE COLOR-CODED SO THAT IDENTIFICATION MAY BE EASILY MADE AT EACH ACCESS POINT. THE FOLLOWING TABLE LISTS THE COLOR CODING FOR PHASE IDENTIFICATION:	I. ALL PARTS OF THE WORK AN PROPERLY AND BE LEFT IN P TESTS WITHOUT ANY ADDITIC WORK.
	120/208 VOLTS PHASE BLACK A RED B	J. AT THE CONCLUSION OF THE ELECTRICAL WORK INSTALLED
	BLUE C WHITE NEUTRAL	<u>ALTERATIONS:</u>
D.	GREEN GROUND NEW ELECTRICAL POWER FUSES FOR DISCONNECT SWITCHES SHALL BE BUSSMANN LOW-PEAK,	A. PERFORM ALL WORK WHEN ACCEPTANCE.
E.	TIME-DELAY, DUAL-ELEMENT, CLASS RK1, OR APPROVED EQUAL. NEW FUSIBLE AND NOT FUSIBLE HEAVY DUTY SAFETY SWITCHES, SUCH AS MANUFACTURED BY SQUARE D	B. PROVIDE RECONNECTIONS COMPLETION.
μ.	OR APPROVED EQUAL, SHALL BE OF THE ENCLOSED AUTOMATIC MOLDED CASE TYPE, FURNISHED WITH THREADED CONDUIT OPENINGS IN BOTH THE TOP AND BOTTOM. ALL SERVICE SWITCHES SHALL HAVE INTERLOCKING MECHANISM TO PREVENT OPENING WHILE ELECTRIFIED.	C. REMOVE ALL EXISTING CONE BY THIS WORK UNLESS DESIGN
F.	ALL CONDUIT BODIES AND COVERS, FITTINGS, ELBOWS, COUPLINGS, CLAMPS, BUSHINGS, JUNCTIONS BOXES, ETC. SHALL BE AS MANUFACTURED BY CROUSE-HINDS, O-Z/GEDNEY, OR AN APPROVED EQUAL.	D. CONSULT THE REMOVAL PLA EQUIPMENT & FIXTURES. AS SHALL DISCONNECT ANY UN PRIOR TO DEMOLITION.
G.	ALL ELECTRICAL CABLE AND CONDUIT SUPPORTS SHALL BE AS MANUFACTURED BY GRINNELL COMPANY, B-LINE SYSTEMS, INC. OR AN APPROVED EQUAL. ALL SUPPORTS, SUPPORT HARDWARE, AND FASTENERS SHALL BE PROTECTED WITH A ZINC COATING OR EQUIVALENT CORROSION RESISTANCE TREATMENT.	E. CONTRACTOR TO PROVIDE T OF WORK. ACTIVE SERVICE PERMISSION IS GRANTED OT FROM TIME TO TIME WHEN
H.	RACEWAY AND CABLE LABELS SHALL COMPLY WITH ANSI A13.1, TABLE 3, FOR MINIMUM SIZE OF LETTERS FOR LEGEND AND MINIMUM LENGTH OF COLOR FIELD FOR EACH RACEWAY AND CABLE SIZE.	MADE. IT IS INTENDED THAT ADVANCE. THESE PERIODS N AT ALL TIMES. ANY REQUIRED
	TYPE: PREPRINTED, FLEXIBLE, SELF-ADHESIVE, VINYL. LEGEND SHALL BE LAMINATED WITH A CLEAR, WEATHER AND CHEMICAL-RESISTANT COATING. COLOR: BLACK LETTERS ON ORANGE BACKGROUND. LEGEND: INDICATES VOLTAGE.	TIME DETERMINED BY THEM. C F. APPLY FIRESTOPPING TO CA ASSEMBLIES IN ORDER TO MA
I.	COLORED ADHESIVE MARKING TAPE FOR RACEWAYS, WIRES, AND CABLES SHALL BE SELF-ADHESIVE VINYL TAPE, NOT LESS THAN 1 INCH WIDE BY 3 MILS THICK, SUCH AS MS-900 COLOR BANDING TAPE AS	<u>CIRCUITRY:</u>
J.	MANUFACTURED BY MARKING SERVICES INCORPORATED, OR APPROVED EQUAL. ENGRAVED-PLASTIC LABELS, SIGNS, AND INSTRUCTION PLATES SHALL BE ENGRAVING STOCK, MELAMINE	A. ALL WIRING SHALL BE RUN IN INCH DIAMETER. NEW ELEC CONCEALED IN PARTITIONS C
	PLASTIC LAMINATE PUNCHED OR DRILLED FOR MECHANICAL FASTENERS, HAVING MINIMUM 1/16-INCH THICKNESS FOR SIGNS UP TO 20 SQ. IN. AND MINIMUM 1/8-INCH THICKNESS FOR LARGER SIZES. ENGRAVED LEGEND SHALL BE IN BLACK LETTERS ON WHITE BACKGROUND.	B. ALL WIRES AND CABLES IN TERMINATION SHALL BE BUND AND PIECES OF EQUIPMENT S
K.	INTERIOR WARNING AND CAUTION SIGNS SHALL COMPLY WITH 29 CFR, CHAPTER XVII, PART 1910.145. PREPRINTED, ALUMINUM, BAKED-ENAMEL-FINISH SIGNS SHALL BE PUNCHED OR DRILLED FOR	<u>GROUNDING & BONDING:</u>
	MECHANICAL FASTENERS, WITH COLORS, LEGEND, AND SIZE APPROPRIATE TO THE APPLICATION, SUCH AS MS-215 MAX-TEKTM AS MANUFACTURED BY MARKING SERVICES INCORPORATED, OR APPROVED EQUAL.	A. CONNECT SYSTEM COMPON RETURN PATH TO GROUNDING
L.	FASTENERS FOR NAMEPLATES AND SIGNS SHALL BE SELF-TAPPING, STAINLESS-STEEL SCREWS OR NO. 10/32 STAINLESS-STEEL MACHINE SCREWS WITH NUTS AND FLAT AND LOCK WASHERS.	B. USE EXOTHERMIC WELDING P
M.	ALL INTERIOR ELECTRICAL EQUIPMENT AND DEVICES, INCLUDING BUT NOT LIMITED TO NEW LIGHT SWITCHES, RECEPTACLES, GROUND FAULT CIRCUIT INTERRUPTERS, E WALLPLATES, AND RELATED	C. PROVIDE NEW SYSTEM GRC ALTERATION.
N.	ELECTRICAL COMPONENTS, SHALL BE AS MANUFACTURED BY LEVITON, HUBBELL OR APPROVED EQUAL. ALL NEW LIGHTING FIXTURES SHALL BE SELECTED BY OWNER. ALL LIGHTING FIXTURES SHALL HAVE UL	D. GROUND CONDUCTOR SHA TERMINATED IN THE CONNEC THE FRAME.
0	LABEL, IBEW LABEL, AND BE FITTED WITH ELECTRONIC BALLASTS AND T5 LAMPS.	WIRING DEVICES:
Ο.	NEW AUTOMATIC TRANSFER SWITCHES, SUCH AS MANUFACTURED BY ASCO OR APPROVED EQUAL, SHALL BE OF THE AUTOMATIC, STANDARD-TRANSITION TYPE, MICROPROCESSOR-BASED CONTROLLED SWITCH FURNISHED WITH AN ENVIRONMENTALLY SEALED USER INTERFACE, LCD DISPLAY, ELECTRICALLY OPERATED BUT MECHANICALLY HELD MECHANISM WITHIN A NEMA TYPE 3R ENCLOSURE.	A. FURNISH AND INSTALL ALL E MOUNTING ACCESSORIES, A FOR A COMPLETE ELECTRICA
GE	ENERAL REQUIREMENTS:	B. THE CONTRACTOR SHALL GROUNDED AND GFCI DUPL
1.2	EXECUTION	CIRCUITRY AND WIRING CON NYC ELECTRICAL CODE.
Α.	PERFORM ALL WORK IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, & APPLICABLE NYC LAWS, O.S.H.A., PERTINENT NFPA CODES, AND THE RULES AND REGULATIONS OF ALL LOCAL, STATE AND FEDERAL AUTHORITIES HAVING JURISDICTION. PROVIDE OWNER WITH CERTIFICATES OF INSPECTION.	C. ELECTRICAL OUTLETS SHALL B NOTED. THOSE LOCATED ON OF CONVENIENCE RECEPTAG
В.	PROVIDE ALL CUTTING, FIRESTOPPING, PATCHING & FINISHING INCIDENTAL TO THE ELECTRICAL WORK.	D. ALL WIRING DEVICES SHALL F
C.	THESE DRAWINGS INDICATE THE SIZE AND GENERAL LOCATION OF WORK. SCALED DIMENSIONS SHALL NOT BE USED. ANY DIMENSIONS NOT SHOWN SHALL BE OBTAINED FROM THE ARCHITECTURAL DRAWINGS. FOR EXACT LOCATIONS, HEIGHT, DOOR SWINGS, MOUNTING HEIGHTS, ETC., REFER TO	E. ALL STEEL BOXES SHALL BE PR
	ARCHITECTURAL DRAWINGS AND DETAILS.	F. COMBINATION UNFUSED SAF
D.	COORDINATE WORK WITH OTHER TRADES AND/OR EXISTING CONDITIONS. CONFER WITH OTHER CONTRACTORS WHOSE WORK MIGHT AFFECT THIS INSTALLATION; AND ARRANGE ALL PARTS OF THIS WORK AND EQUIPMENT IN PROPER RELATION TO THE WORK AND EQUIPMENT OF OTHERS, WITH THE BUILDING CONSTRUCTION AND WITH ARCHITECTURAL FINISH SO THAT IT WILL HARMONIZE IN SERVICE	ITEMS WILL BE FURNISHED AND G. FURNISH AND INSTALL FUSED PROJECT DRAWINGS OR AS F
E.	AND APPEARANCE. BIDDERS, BEFORE SUBMITTING A PROPOSAL, SHALL VISIT AND EXAMINE CAREFULLY THE AREAS AFFECTED	H. HANGERS, SUPPORTS AND CONDUIT AT EACH FLOOR,

E. BIDDERS, BEFORE SUBMITTING A PROPOSAL, SHALL VISIT AND EXAMINE CAREFULLY THE AREAS AFFECTED BY THIS WORK TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND WITH THE DIFFICULTIES THAT WILL ATTEND THE EXECUTION OF THIS WORK. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH AND EXAMINATION HAS BEEN MADE; AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH EXAMINATION BEEN MADE. JARANTEED AGAINST DEFECTS FOR A PERIOD OF ONE YEAR FROM THE DATE OF OF THE INSTALLATION, AND ANY PORTIONS OF THE WORK WHICH DEVELOP TIME SHALL BE REPLACED OR REPAIRED IN A MANNER SATISFACTORY TO THE

BILITY INSURANCE AND BONDING AS REQUIRED BY THE OWNER.

BE NEW. ALL REMOVED ELECTRICAL ITEMS FROM THE ALTERED AREAS SHALL OF THE CONTRACTOR UNLESS OTHERWISE DIRECTED.

DRK AND ASSOCIATED EQUIPMENT SHALL BE TESTED AND ADJUSTED TO WORK T IN PERFECT OPERATING CONDITION; CORRECT DEFECTS DISCLOSED BY THESE DDITIONAL COST TO THE OWNER. REPEAT TESTS ON REPAIRED OR REPLACED

OF THE PROJECT, PREPARE AND FURNISH TO THE OWNER "AS BUILT" PLANS FOR ALL ALLED.

WHEN AND AS DIRECTED - SUBMIT SCHEDULE TO OWNER AND ENGINEER FOR

IONS AND TEMPORARY INSTALLATIONS AS REQUIRED; REMOVE AT JOB

CONDUITS, WIREWAYS, OUTLET BOXES, HANGERS AND DEVICES MADE OBSOLETE DESIGNATED SPECIFICALLY TO REMAIN.

AL PLANS OR THE EXTENT OF THE DEMOLITION AND REMOVALS OF ELECTRICAL S. AS PART OF THE WORK OF THIS CONTRACT, THE ELECTRICAL CONTRACTOR NY UNUSED OR REMAINING ELECTRICAL DEVICES FROM THEIR POWER SOURCES

VIDE TEMPORARY LIGHTING & POWER AS REQUIRED DURING THE ENTIRE COURSE RVICE MUST BE MAINTAINED TO OCCUPIED AREAS OF THE BUILDING, UNLESS ED OTHERWISE BY OWNER. LIMITED SHUTDOWN INTERVALS MAY BE REQUIRED WHEN CHANGEOVERS FROM EXISTING TO NEW ELECTRICAL WORK ARE TO BE THAT INTERRUPTION PERIODS WILL BE ALLOWED AND SHALL BE PLANNED IN ODS MUST BE COORDINATED WITH OWNER TO INSURE MAXIMUM COOPERATION QUIRED SHUTDOWNS OF SYSTEMS MUST BE ACCOMPLISHED WITH OWNER AT A HEM. COST OF OVERTIME SHALL BE INCLUDED IN THE BASE CONTRACT COST.

TO CABLE AND RACEWAY PENETRATIONS OF FIRE-RATED FLOOR AND WALL TO MAINTAIN REQUIRED FIRE-RESISTANCE RATING OF THE NEW CONSTRUCTION.

RUN IN RIGID STEEL CONDUIT SIZED AS INDICATED ON PLAN; MINIMUM SIZE 3/4 ELECTRICAL BRANCHES MAY BE TYPE AC ARMORED CABLE ("BX" CABLE) IF ONS OR WALL CONSTRUCTION.

ES IN PULL, SPLICE AND CABLE SUPPORT BOXES, IN PANELS AND POINTS OF BUNDLED AND LACED BY CIRCUITS AND TAGGED. TAGS SHALL IDENTIFY CABLES MENT SERVED.

MPONENTS MECHANICALLY AND ELECTRICALLY TO PROVIDE AN INDEPENDENT INDING ELECTRODE.

ING PROCESS FOR INACCESSIBLE CONNECTIONS.

GROUND TO INCLUDE ALL THE ELECTRICAL WORK IN THE SCOPE OF THIS

R SHALL BE INSTALLED IN THE CONDUIT WITH THE CIRCUIT CONDUCTORS AND INNECTION BOXES, PROVIDING THE TERMINAL IS MECHANICALLY CONNECTED TO

ALL BOXES, FITTINGS, DEVICES, RACEWAYS, CONDUCTORS, CONNECTIONS, HES, ADAPTERS AND ALL OTHER MATERIALS, EQUIPMENT AND LABOR NECESSARY TRICAL INSTALLATION.

ALL FURNISH AND INSTALL NEW GENERAL CIRCUITS, LIGHT SWITCHES, & DUPLEX RECEPTACLES, INCLUDING BUT NOT LIMITED TO ALL REQUIRED BRANCH CONNECTIONS TO MAIN CIRCUIT BREAKER PANELS, IN ACCORDANCE WITH THE

ALL BE INSTALLED VERTICALLY UNLESS NOTED TO THE CONTRARY AT HEIGHTS AS DON INTERIOR COLUMNS SHALL BE CENTERED LATERALLY. MOUNTING HEIGHTS EPTACLES SHALL MATCH EXISTING UNLESS OTHERWISE NOTED.

HALL BE SPECIFICATION GRADE, COMPOSITION BASE AND CONFORM TO NEMA

BE PRIMED AND FINISHED IN GRAY ENAMEL.

CEILING.

D SAFETY SWITCHES AND MAGNETIC STARTERS AND MISCELLANEOUS CONTROLED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.

USED & UNFUSED DISCONNECT SWITCHES FOR MOTORS WHERE DESIGNATED ON R AS REQUIRED BY EQUIPMENT MANUFACTURER.

HANGERS, SUPPORTS AND SLEEVES SHALL BE AS ACCEPTABLE TO THE ENGINEER. SUPPORT RISER CONDUIT AT EACH FLOOR, AND ALL OTHER CONDUIT ON EACH SIDE OF BENDS, AND NOT GREATER THAN 10'-0" ON CENTERS. ALL LIGHTING FIXTURES SHALL BE INDEPENDENTLY SUPPORTED FROM THE

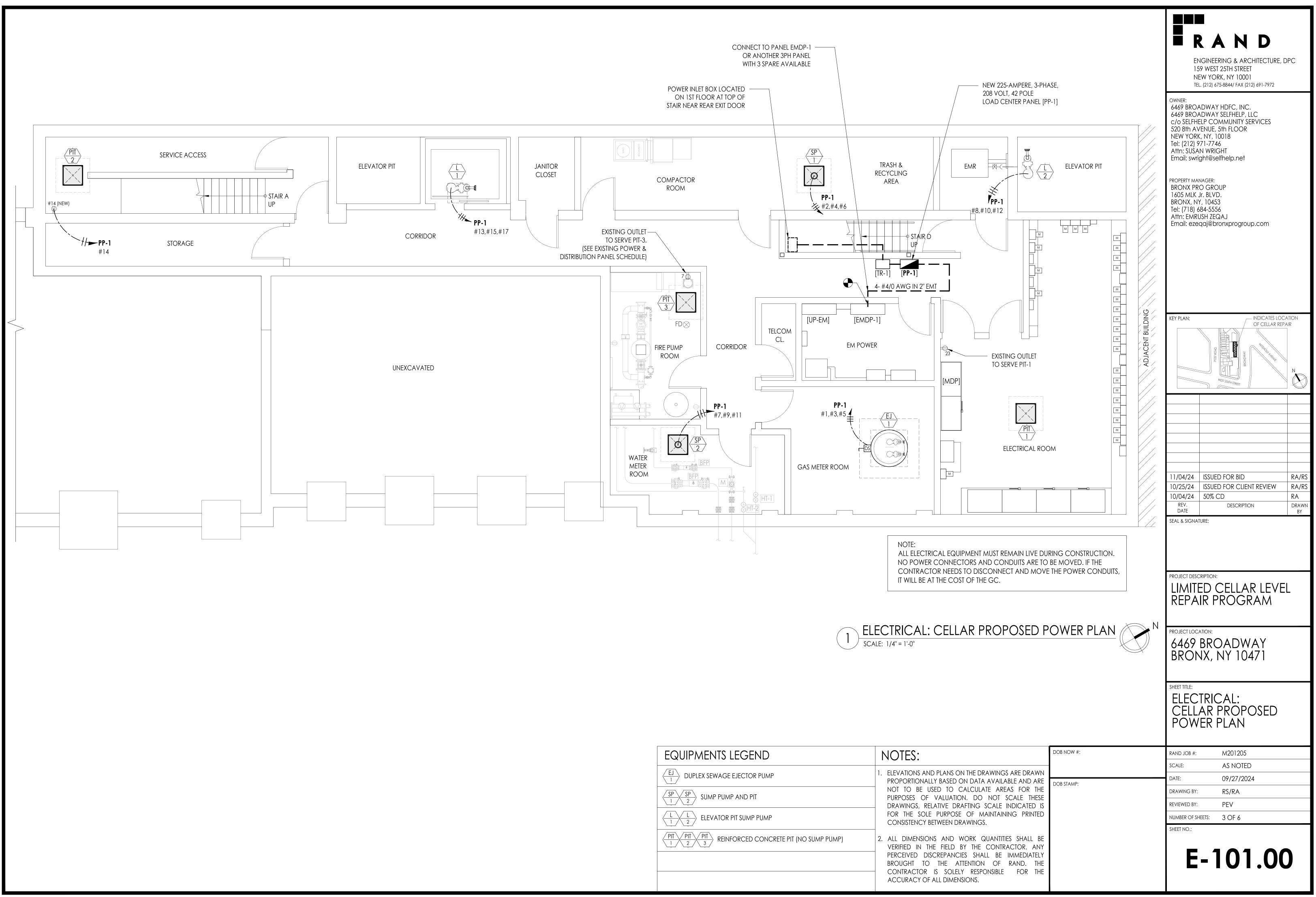
- I. COORDINATE CONDUIT RUNS WITH EXISTING AND NEW WORK. RUN CONDUITS CLE OPENINGS, CABLE SLOTS SLEEVES AND EQUIPMENT. DO NOT SUPPORT CONDUITS OR RA DUCTWORK OR EQUIPMENT.
- J. INSTALLATION OF GENERAL USE LIGHT SWITCHES SHALL BE IN ACCORDANCE WITH ELECTRICAL CODE REQUIREMENTS. SINGLE POLE LIGHT SWITCHES SHALL BE 15 AM MAXIMUM. ALL NEW SWITCHES SHALL BE UL LISTED AND MARKED WITH CURRENT AND VC
- K. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL AN ENGRAVED NAMEP ELECTRIC PANEL, CUTOUT, FUSED AND/OR UNFUSED SWITCH, MOTOR STARTER, NAMEPLATES SHALL BE RIVETED OR SCREWED ON AND SHALL IDENTIFY EACH ITEM BY N ORIGIN AND TERMINATION ON CONDUCTORS SERVICING DEVICE. IT IS THE INTENT OF TO IDENTIFY ALL EQUIPMENT AND DEVICES. CONTRACTOR SHALL SUBMIT A SCHEDULE O TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION.

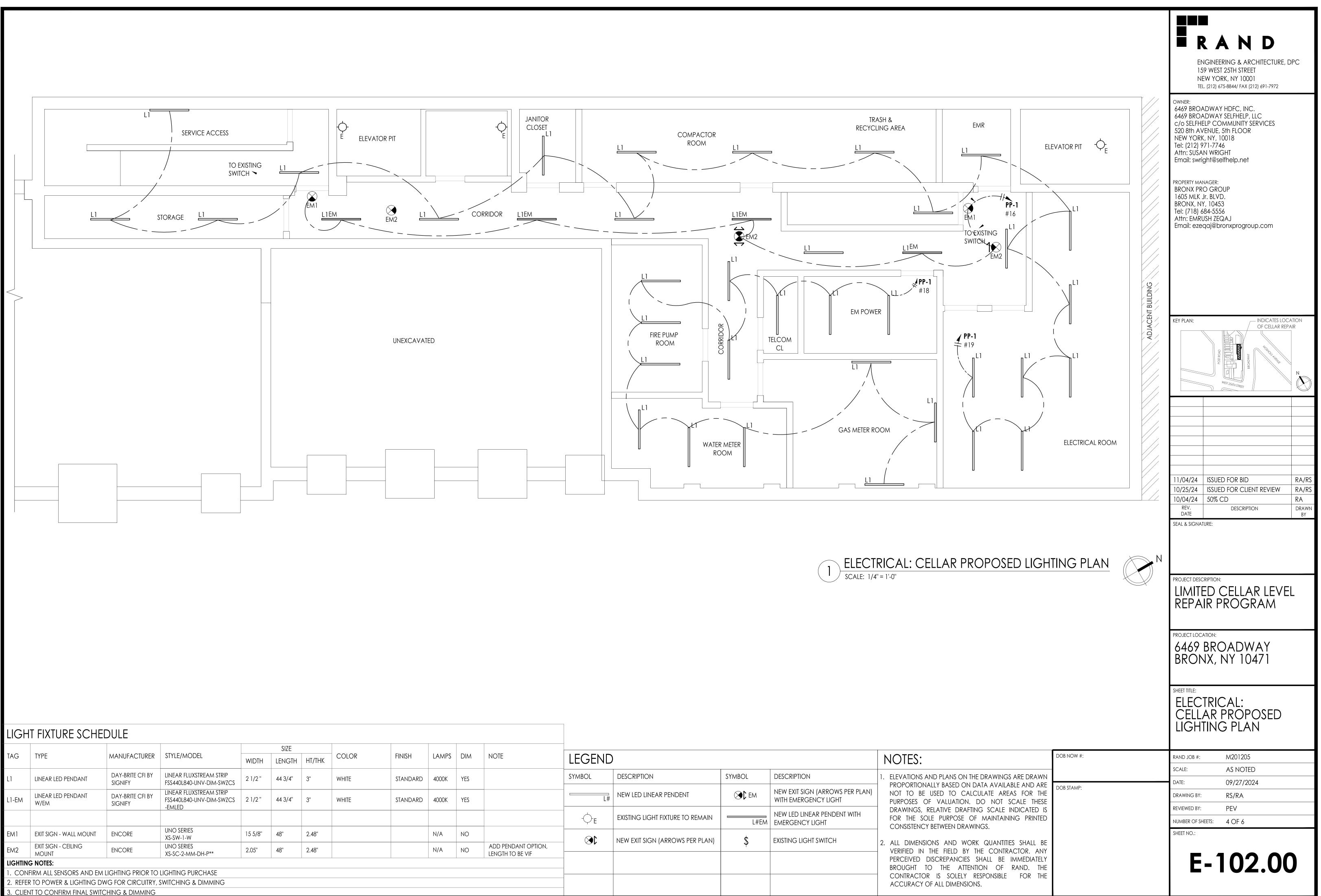
1.3 SUBMISSION WORK

AT LEAST TWO (2) WEEKS PRIOR THE INITIATION OF FULL-SCALE WORK UNDER THIS SECTION, TH SHALL SUBMIT FOR APPROVAL BY THE ENGINEER DRAWINGS DETAILING THE FOLLOWING:

- A. TEMPORARY POWER & LIGHTING
- B. WIRING DEVICES & PLATES
- C. SWITCHBOARDS, LOADCENTERS & BREAKERS
- D. WIRE & CABLE E. CONDUIT & SUPPORTS
- F. FIRESTOPPING MATERIAL
- G. MOUNTING BOARD ASSEMBLIES
- H. AUTOMATIC TRANSFER SWITCHES
- I. MANUAL TRANSFER SWITCHES

ear of shafts, Aceways from		
		ENGINEERING & ARCHITECTURE, DPC 159 WEST 25TH STREET
ALL NATIONAL MPERE 120 VAC DLTAGE.		NEW YORK, NY 10001 TEL. (212) 675-8844/ FAX (212) 691-7972
PLATE ON EACH PULLBOX, ETC. NAME, INDICATE THIS CONTRACT OF NAMEPLATES		OWNER: 6469 BROADWAY HDFC, INC. 6469 BROADWAY SELFHELP, LLC c/o SELFHELP COMMUNITY SERVICES 520 8th AVENUE, 5th FLOOR NEW YORK, NY, 10018 Tel: (212) 971-7746 Attn: SUSAN WRIGHT Email: swright@selfhelp.net
E CONTRACTOR		PROPERTY MANAGER: BRONX PRO GROUP 1605 MLK Jr. BLVD. BRONX, NY, 10453 Tel: (718) 684-5556 Attn: EMRUSH ZEQAJ Email: ezeqaj@bronxprogroup.com
		KEY PLAN: INDICATES LOCATION OF CELLAR REPAIR
		11/04/24ISSUED FOR BIDRA/RS10/25/24ISSUED FOR CLIENT REVIEWRA/RS10/04/2450% CDRAREV.DESCRIPTIONDRAWNDATEBYSEAL & SIGNATURE:
		PROJECT DESCRIPTION: LIMITED CELLAR LEVEL REPAIR PROGRAM
		PROJECT LOCATION: 6469 BROADWAY BRONX, NY 10471
		ELECTRICAL SPECIFICATIONS
	DOB NOW #:	RAND JOB #: M201205 SCALE: AS NOTED
	DOB STAMP:	DATE: 09/27/2024 DRAWING BY: RS/RA
		REVIEWED BY:PEVNUMBER OF SHEETS:2 OF 6
		SHEET NO.: E-002.00



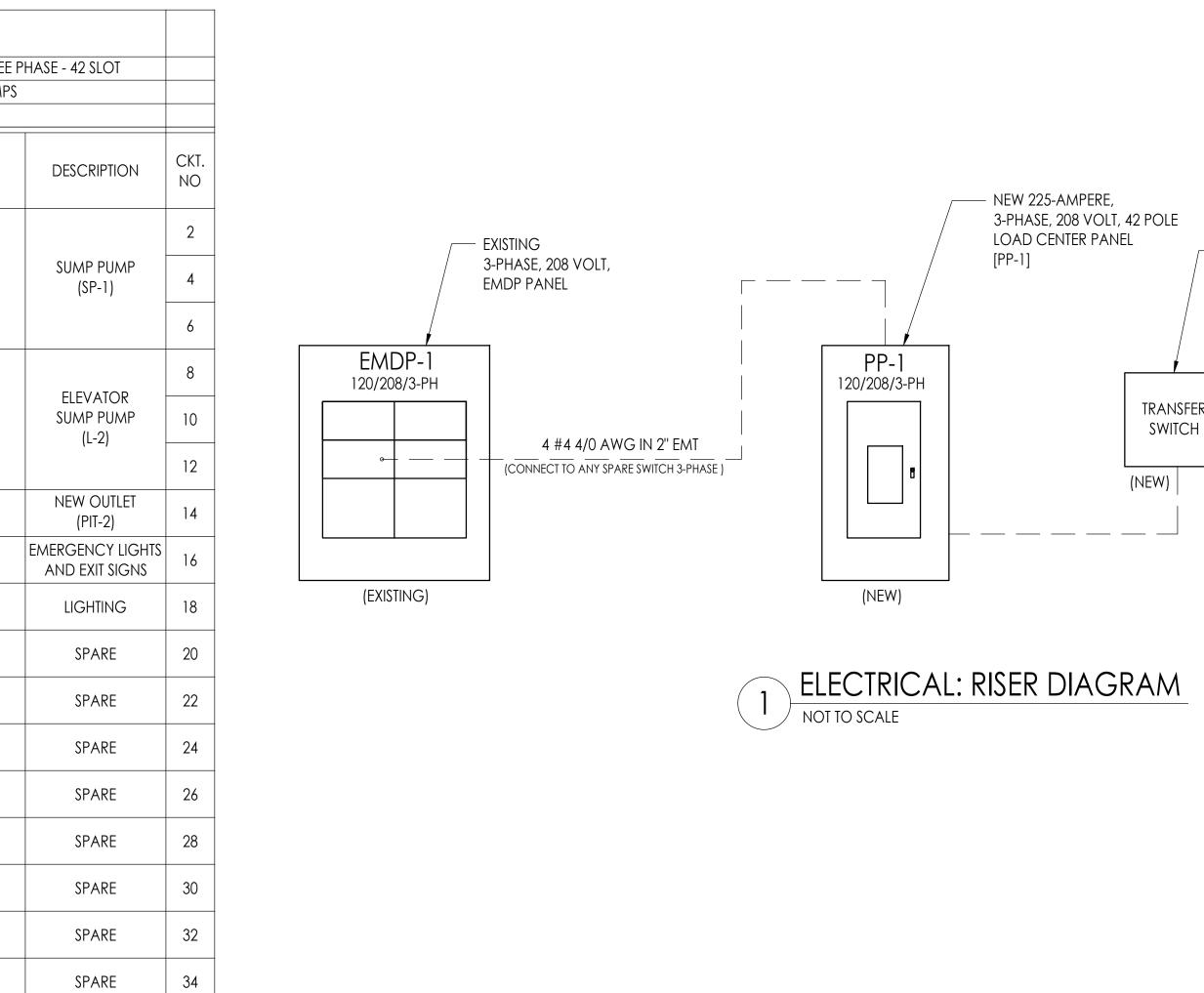


LIGF	IL FIXTURE SCHE	DULE														
					SIZE											
TAG	ТҮРЕ	MANUFACTURER	STYLE/MODEL	WIDTH	LENGTH	HT/THK	COLOR	FINISH	LAMPS	DIM NOTE	LEGEN	D			NOTES:	
L1	LINEAR LED PENDANT	DAY-BRITE CFI BY SIGNIFY	LINEAR FLUXSTREAM STRIP FSS440L840-UNV-DIM-SWZCS	2 1/2 "	44 3/4"	3"	WHITE	STANDARD	4000K	YES		SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	1. ELEVATIONS A PROPORTION
L1-EM	LINEAR LED PENDANT W/EM	DAY-BRITE CFI BY SIGNIFY	LINEAR FLUXSTREAM STRIP FSS440L840-UNV-DIM-SWZCS -EMLED	2 1/2 "	44 3/4"	3"	WHITE	STANDARD	4000K	YES				EM	NEW EXIT SIGN (ARROWS PER PLAN) WITH EMERGENCY LIGHT	NOT TO BE PURPOSES C
													EXISTING LIGHT FIXTURE TO REMAIN	L#EM	NEW LED LINEAR PENDENT WITH EMERGENCY LIGHT	DRAWINGS, FOR THE SC CONSISTENC
EM1	EXIT SIGN - WALL MOUNT	ENCORE	UNO SERIES XS-SW-1-W	15 5/8"	48''	2.48"			N/A	NO			NEW EXIT SIGN (ARROWS PER PLAN)	\$	EXISTING LIGHT SWITCH	
EM2	EXIT SIGN - CEILING MOUNT	ENCORE	UNO SERIES XS-SC-2-MM-DH-P**	2.05"	48''	2.48"			N/A	NO	ADD PENDANT OPTION, LENGTH TO BE VIF			γ		2. ALL DIMENSI
LIGHTIN	IG NOTES:															PERCEIVED BROUGHT T
1. CON	IFIRM ALL SENSORS AND EM	1 LIGHTING PRIOR TO	LIGHTING PURCHASE													CONTRACTO
2. REFE	R TO POWER & LIGHTING D	WG FOR CIRCUITRY,	SWITCHING & DIMMING													ACCURACY
3. CLIE	NT TO CONFIRM FINAL SWIT	CHING & DIMMING														

	PANEL BOARD [PP-1] POWER PANEL A LOCATED IN CELLAR - STAIR D 120V/208V - THREE									
)							120V/208V - TH
	DESIGNATION: NO. P MCB/MLO:	Y-1								BUS SIZE: 225 A MOUNTING:
			C.B		DU	ASE LOAD	()/ ()		C.B	
KT. VO	DESCRIPTION WIRE SIZE***			.d POLES	A	B	С		POLES	WIRE SIZE***
1					2,089					
3	DUPLEX EJECTOR (EJ-1)	3 #12 IN. 1/2" EMT	15	3		2,089		15	3	3 #12 IN. 1/2" EM
5							2,089			
7					6,244					
9	SUMP PUMP (SP-2)	3 #12 IN. 1/2" EMT	15	3		6,244		15	3	3 #12 IN. 1/2" E∧
11					0.405		6,244			
3		3 #12 IN. 1/2" EMT	15	3	8,405	8,405		15	3	2-#12 IN. 1/2" EN 2-#12 IN. 1/2" EN
17	SUMP PUMP (L-1)	$5 \pi 12 110. 1/2 1101$				0,400	8,405	15	1	2-#12 IN. 1/2" EN
9	LIGHTING	2-#12 IN. 1/2" EMT	15	1				1		
21	SPARE			1				1		
23	SPARE			1				1		
25	SPARE			1				1		
27	SPARE			1				1		
29	SPARE			1				1		
31	SPARE			1				1		
33 	SPARE							1		
35 37	SPARE SPARE			1				1		
39	SPARE			1				1		
41	SPARE			1				1		
0			0	0	16738	16738	16738	0	0	
ΟΤΑ	L CONNECTED LOAD:	<u># VA</u>		. I					. I	
			<u>0 VA</u>			OINCIDEN" ARGEST MC			@ 100%	<u>0 VA</u>
ł	RECEPTACLE OVER 10k	VA@50%:	<u>0 VA</u>		τοται ι	DEMAND L	OAD:			0 VA

**INDICATES AFCI BREAKER

***WIRE SIZE #12 MINIMUM



SPARE

SPARE

SPARE

SPARE

36

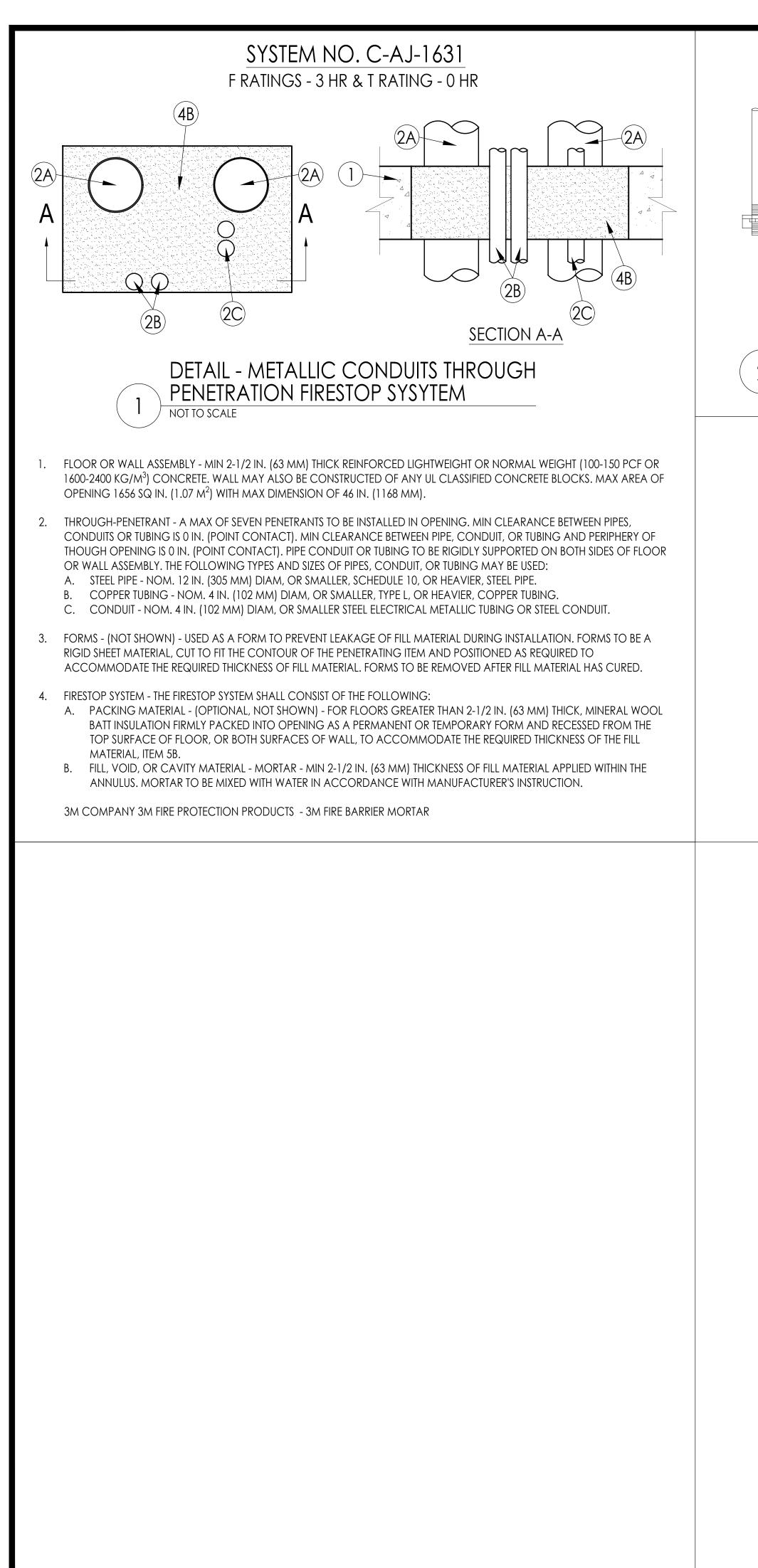
38

40

42

0

DOB NOW #:RAND JOB #:M201205SCALE:AS NOTEDDOB STAMP:DATE:09/27/2024DRAWING BY:RS/RAREVIEWED BY:PEVNUMBER OF SUFFEREF. OF. (R H H H H H H H H H H H H H H H H H H H	- POWER CORD	ENGINEERING & ARCHITECTURE, DPC 159 WEST 25TH STREET VINNEE 6469 BROADWAY HDFC, INC. 6469 BROADWAY HDFC, INC. 6469 BROADWAY SELFHELP, LLC C/O SELFHELP COMMUNITY SERVICES 520 8th AVENUE, Sth FLOOR NEW YORK, NY, 10018 TH: (212) 475-8844/ FAX (212) 491-7972 FROMEWER STH FLOOR NEW YORK, NY, 10018 TH: (217) 746 Attr: SUSAN WRIGHT Email: swright@selfhejp.net FROMEWER STH FLOOR NEW YORK, NY, 10018 TH: (217) 645-556 Attr: EMRUBA ZEQAJ Email: ezequigibbronxprogroup.com REY PLAN: INDICATES LOCATION OF CELLAR REPAR INC. INDICATES LOCATION OF CELLAR REPAR INC. INDICATES LOCATION OF CELLAR REPAR INC. REY PLAN: INDICATES LOCATION OF CELLAR REPAR INC. INDICATES LOCATION OF CELLAR REPAR INC. INDICATES LOCATION OF CELLAR REPAR INC. INDICATES LOCATION INC. INDICATES LOCATION OF CELLAR REPAR INC. INDICATES LOCATION INC. INDICATES LOCATION OF CELLAR REPAR INC. INDICATES LOCATION INC. INDICATES LOCATION OF CELLAR REPAR INC. INDICATES LOCATION: INDICATES LOCATION OF CELLAR LEVEL REPARE PROGRAM INTERD CELLAR LEVEL REPARE PROGRAM INTERD INTERD CELLAR LEVEL REPARE PROGRAM INTERD CELLAR LEVEL REPARE SCHEDULE AND RISER DIAGRAM
			SCALE:AS NOTEDDATE:09/27/2024DRAWING BY:RS/RA



SUPPORT ROD Image: S	
2 DETAIL - CONDUIT TRAPEZE HANGER NOT TO SCALE	

	ENGINEERING & ARCHITECTURE, DPC 159 WEST 25TH STREET
	NEW YORK, NY 10001 TEL. (212) 675-8844/ FAX (212) 691-7972
	OWNER: 6469 BROADWAY HDFC, INC. 6469 BROADWAY SELFHELP, LLC c/o SELFHELP COMMUNITY SERVICES
	520 8th AVENUE, 5th FLOOR NEW YORK, NY, 10018 Tel: (212) 971-7746
	Attn: SUŠAN WRIGHT Email: swright@selfhelp.net
	PROPERTY MANAGER: BRONX PRO GROUP 1605 MLK Jr. BLVD.
	BRONX, NY, 10453 Tel: (718) 684-5556 Attn: EMRUSH ZEQAJ
	Email: ezeqaj@bronxprogroup.com
	KEY PLAN:
	POST ROAD BROADWAY BROADWAY
	N WEST 256TH STREET
	11/04/24 ISSUED FOR BID RA/RS
	10/25/24 ISSUED FOR CLIENT REVIEW RA/RS 10/04/24 50% CD RA
	REV. DESCRIPTION DRAWN DATE BY SEAL & SIGNATURE:
	PROJECT DESCRIPTION:
	REPAIR PROGRAM
	PROJECT LOCATION: $4 4 4 0 PP \cap A \cap A / A V$
	6469 BROADWAY BRONX, NY 10471
	SHEET TITLE:
	ELECTRICAL DETAILS
DOB NOW #:	RAND JOB #: M201205
DOB STAMP:	SCALE: AS NOTED DATE: 09/27/2024
DOD STAME.	DRAWING BY: RS/RA REVIEWED BY: PEV
	NUMBER OF SHEETS: 6 OF 6
	E-301.00

LIMITED CEL 6469 BRO

SCOPE OF WORK

- REMOVE EXISTING SEWAGE EJECTOR PUMP SYSTEM AND PIT.
- REMOVE EXISTING FLOOR DRAINS AND ASSOCIATED UNDERGROUND PIPING.
- REMOVE ALL UNDERGROUND PLUMBING DRAINAGE PIPING THROUGHOUT THE CELLAR, INCLUDING FUNNEL DRAIN IN COMPACTOR ROOM.
- REMOVE EXISTING SIMPLEX SUMP PUMP AND PIT IN SERVICE ACCESS AREA, INCLUDING ASSOCIATED DRAINAGE PIPING.
- COORDINATE WITH GENERAL CONTRACTOR TO TEMPORARILY SHORE AND SECURE IN PLACE ALL ITEMS INCLUDING THE VERTICAL FIRE PUMP, FIRE PUMP CONTROLLER, JOCKEY PUMP, DUPLEX SKID MOUNTED BOOSTER PUMP, AND CUSHION STOP TANK IN THE FIRE PUMP ROOM, AND WATER METER, BACKFLOW PREVENTERS, SEWER MAIN PIPING, TRAPS, ETC. IN THE WATER METER ROOM.
- INSTALL NEW FIRE PUMP ROOM FLOOR DRAIN AND UNDERGROUND PIPING TO NEW EJECTOR PIT IN GAS METER ROOM.
- INSTALL NEW EJECTOR PUMP SYSTEM, SUMP PUMP SYSTEMS AND ASSOCIATED PUMP PITS AT THE CELLAR LEVEL INTERIOR INCLUDING ALL PLUMBING PIPING AND ELECTRICAL CONNECTIONS.
- RE-PIPE EXISTING ELEVATOR PIT SUMP PUMP DISCHARGE TO NEW FUNNEL DRAIN IN CELLAR GAS METER ROOM.
- INSTALL NEW BACKWATER CHECK VALVE ON THE COMBINED SEWER MAIN AND THE NEW OVERFLOW PIPING TO THE EJECTOR PIT.

GENERAL NOTES

- 1. ALL WORK AND MATERIALS FURNISHED SHALL THE NATIONAL BOARD OF FIRE UNDERWI AUTHORITIES HAVING JURISDICTION OVER TH
- 2. THE CONTRACTOR SHALL OBTAIN AND PAY RAND IS REQUIRED TO OBTAIN) PERTAINING AND APPROVALS AS REQUIRED BY LAW FC CONSPICUOUSLY DISPLAYED AT THE SITE THROUGHOUT THE DURATION OF THE WORK.
- ALL DEMOLITION OPERATIONS, REPAIR OPER DONE IN ACCORDANCE WITH THE NYC BUILI
- 4. ALL PLAN DIMENSIONS ARE SUBJECT T BETWEEN TRADES SHALL BE REQUIRED. CONDITIONS AND DIMENSIONS AND REPO OF WORK.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE OR RAND ALL NECESSARY AFFIDAVITS, APPR REQUIRED BY THE DEPARTMENT OF BUIL REFERRED TO.
- 6. ALL WORK SHALL BE DONE IN ACCORDANCE AND ALL OTHER REGULATIONS OF ALL OTHER
- A. THE BUILDING IS CLASSIFIED AS R-2, R DWELLING UNITS THAT WILL BE OCCUF SHALL COMPLY WITH ALL APPLICABL DELINEATED BELOW, AS WELL AS R DWELLING LAW AND NYC HOUSING LIMITED TO, TEMPORARY FIRE-RATED CONTAINMENT PROCEDURES.
- 7. GUARANTEE:
 - A. THE CONTRACTOR SHALL GUARANTER EVERY RESPECT AND OPERATING FREE GUARANTEE THAT ALL WORK IS SPECIFICATIONS, ACCEPTED STANDARI AGENCIES HAVING JURISDICTION.

TENANT SAFETY NOTES - 1

- THE CONTRACTOR SHALL RETAIN A REGISTE OF NEW YORK TO PREPARE A TENANT PROT ALTERATION, CONSTRUCTION, OR PARTIA DWELLING UNIT WILL BE OCCUPIED CONSTRUCTED BUILDINGS THAT ARE PAR NOTING ESTABLISHED EXCEPTIONS AS PER A
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE T THE TENANT PROTECTION PLAN PREPARE LICENSED IN THE STATE OF NEW YORK COC AND SHALL ENSURE THAT THE TENANT PRO SUCH PLAN BE APPROVED BY THE DOB F 28-120.1.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE UNIT THE TENANT PROTECTION PLAN NOTIC ON EACH FLOOR WITHIN TEN FEET OF THE EI ELEVATOR, WITHIN TEN FEET OF OR IN THE 28-120.1.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE UNIT A SAFE CONSTRUCTION BILL OF RIGHTS FLOOR WITHIN TEN FEET OF THE ELEVATO ELEVATOR, WITHIN TEN FEET OF OR IN THE 28-120.1.
- 5. AT LEAST 5 DAYS BEFORE WORK IS SET TO BE IN WRITING OF THE OWNER'S OBLIGATION STARTING ANY WORK REQUIRING A TENANT

	EL REPAIR PROGRA BRONX, NEW YOR		ENGINEERING & ARCHITECTURE, DPC 159 WEST 25TH STREET NEW YORK, NY 10001 TEL. (212) 675-8844/ FAX (212) 691-7972 OWNER: 6469 BROADWAY HDFC, INC. 6469 BROADWAY SELFHELP, LLC c/o SELFHELP COMMUNITY SERVICES 520 8th AVENUE, 5th FLOOR NEW YORK, NY, 10018 Tel: (212) 971-7746 Attn: SUSAN WRIGHT Email: swright@selfhelp.net
	SPECIAL INSPECTIONS ITEMS	DRAWING LIST	PROPERTY MANAGER:
L COMPLY WITH THE NYC CONSTRUCTION CODES, RITERS, AND ALL FEDERAL, STATE & MUNICIPAL IE WORK.	FIRE RESISTANT PENETRATIONS AND JOINTS- BC 1705.17TENANT PROTECTION PLAN COMPLIANCE- BC 1705.26	NI REVIEW	BRONX PRO GROUP 1605 MLK Jr. BLVD. BRONX, NY, 10453 Tel: (718) 684-5556 Attn: EMRUSH ZEQAJ
Y FOR ALL PERMITS (OTHER THAN PERMITS THAT G TO THIS ALTERATION, AND ALL OTHER PERMITS OR THE CONSTRUCTION. ALL PERMITS SHALL BE IN A LOCATION OPEN TO PUBLIC INSPECTION		SHEET NO. REV. SHEET TITLE	Email: ezeqaj@bronxprogroup.com
RATIONS, AND ALTERATION OPERATIONS SHALL BE DING CODE.	PROGRESS INSPECTIONS ITEMS	T-001 .00 PLUMBING TITLE SHEET • •	_
D FIELD VERIFICATION AND COORDINATION CONTRACTOR SHALL CHECK AND VERIFY ALL RT ANY DISCREPANCIES TO RAND PRIOR TO START	28-116.2.4.2, BC 110.5 DIRECTIVE 14 OF 1975, AND 1 RCNY § 101-10	P-001 .00 PLUMBING NOTES, ABBREVIATION AND SYMBOLS P-002 .00 PLUMBING SPECIFICATIONS P-101 .00 PLUMBING EXISTING/REMOVALS PLAN: CELLAR	KEY PLAN: INDICATES LOCATION
FOR OBTAINING AND FURNISHING THE OWNER	ENERGY CODE COMPLIANCE INSPECTIONS - BC 110.3.5	P-101 .00 PLUMBING EXISTING/REMOVALS PLAN: CELLAR P-201 .00 PLUMBING CONSTRUCTION PLAN: CELLAR P-301 .00 PLUMBING RISER DIAGRAM AND SCHEDULES	OF CELLAR REPAIR
ROVALS, CERTIFICATIONS, ETC. OF MATERIALS AS DINGS AND HEREINAFTER MORE SPECIFICALLY	ENERGY CODE PROGRESS INSPECTIONS	P-401 .00 PLUMBING DETAILS • • •	POST ROAD WAY
CE WITH THE 2022 N.Y.C. CONSTRUCTION CODES R AGENCIES HAVING JURISDICTION.	IID1: MAINTENANCE INFORMATION		WEST 256TH STREET
ESIDENTIAL MULTIPLE DWELLING, AND CONTAINS PIED DURING CONSTRUCTION. THE CONTRACTOR E PROVISIONS REGARDING TENANT SAFETY, AS EGULATIONS SET FORTH IN THE NYS MULTIPLE MAINTENANCE CODE, TO INCLUDE BUT NOT BE ASSEMBLIES, OPENING PROTECTIVES, AND DUST			
E THAT THE INSTALLATION WILL BE COMPLETE IN FROM DEFECTS. THE CONTRACTOR SHALL ALSO N FULL COMPLIANCE WITH THE TECHNICAL D PRACTICES, AND CODE REQUIREMENTS OF ALL			11/04/24ISSUED FOR BIDRA/RS10/25/24ISSUED FOR CLIENT REVIEWRA/RS10/04/2450% CDRAREV.DESCRIPTIONDRAWNDATEBYSEAL & SIGNATURE:
ENANT PROTECTION	ASSOCIATED DOB NOW FILING APPLICATIONS:		
RED DESIGN PROFESSIONAL LICENSED IN THE STATE TECTION PLAN AS REQUIRED BY THE DOB FOR ANY AL DEMOLITION OF BUILDINGS IN WHICH ANY DURING CONSTRUCTION INCLUDING NEWLY RTIALLY OCCUPIED WHERE WORK IS ONGOING, C 28-120.1.	ITEMS APPLICATION # GENERAL CONSTRUCTION DOB NOW JOB NO. M00XXXXX-11 STRUCTURAL DOB NOW JOB NO. M00XXXXX-11		PROJECT DESCRIPTION: LIMITED CELLAR LEVEL REPAIR PROGRAM
O PROVIDE A SIGNED STATEMENT CERTIFYING THAT ED BY THE REGISTERED DESIGN PROFESSIONAL ORDINATES WITH THE SCOPE OF WORK INTENDED DIECTION PLAN IS FILED WITH THE DOB AND THAT PRIOR TO REQUEST FOR A WORK PERMIT PER AC	FLOOD ZONE COMPLIANCE STATEMENT		PROJECT LOCATION: 6469 BROADWAY BRONX, NY 10471
FOR DISTRIBUTING TO EACH OCCUPIED DWELLING CE TO OCCUPANTS, AND POST IN THE LOBBY AND LEVATOR, OR IF THE BUILDING DOES NOT HAVE AN E MAIN STAIRWELL ON EACH FLOOR AS PER AC FOR DISTRIBUTING TO EACH OCCUPIED DWELLING S NOTICE OR POST IN THE LOBBY AND 1) ON EACH	PROPERTY IS NOT LOCATED IN A SPECIAL FLOOD HAZARD ARE PER EFFECTIVE 2007 FEMA FIRM AND PRELIMINARY 2013 FEMA BLOCK: 5851 LOT: 7501 BOROUGH: BRONX ZONING MAP#:1C OCCUPANCY	FIRM	SHEET TITLE: PLUMBING TITLE SHEET
EGIN, THE CONTRACTOR MUST ADVISE THE OWNER NOT NOTIFY THE DOB AT LEAST 3 DAYS BEFORE PROTECTION PLAN AS PER AC 28-120.1.	CLASSIFICATION: R-2 LPC STATUS: YES D NO X	MOSHOLU ALENUE THOUL ALENUE THO	RAND JOB #:M201205SCALE:AS NOTEDDATE:09/27/2024DRAWING BY:RS/RAREVIEWED BY:PEVNUMBER OF SHEETS:1 OF 7
	SITE PLAN (NOT TO SCALE)		SHEET NO.: T-001.00

2022 PLUMBING DOB NOTES

1. THE PLUMBING SYSTEMS (SANITARY, STORM, VENT, WATER & GAS) AND ALL ASSOCIATED EQUIPMENT WILL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE FULL REQUIREMENTS OF THE 2022 NYC CONSTRUCTION CODE, AS CITED IN THE 2022 NYC PLUMBING CODE AND 2022 NYC FUEL GAS CODE, LOCAL LAW 58/87, AND LOCAL LAW 29/89, AND AS SPECIFIED BY THE CONSOLIDATED EDISON CO. OF NEW YORK (CON EDISON).

ITEM	ARTICLE OF WORK	CODE CHAPTERS	CODE PARAGRAPHS
A	GENERAL PROVISIONS	PC 3	301-315
В	GENERAL MATERIALS	PC 3	303
С	PIPE HANGING/SUPPORTS	PC 3	308
D	PLUMBING FIXTURES	PC 4	401-429
E	WATER HEATERS	PC 5	501-505
F	WATER SUPPLY AND DISTRIBUTION	PC 6	601-614
G	SANITARY DRAINAGE	PC 7	701-715
Н	INDIRECT/SPECIAL WASTE	PC 8	801-804
I	VENTS	PC 9	901-920
J	TRAPS, INTERCEPTORS AND SEPARATOTS	PC 10	1001-1004
K	STORM DRAINAGE	PC 11	1101-1114
L	SPECIAL PIPING AND STORAGE SYSTEM	PC 12	1201-1204
м	NON POTABLE WATER SYSTEM	PC 13	1301-1303
N	SUBSURFACE LANDSCAPE IRRIGATION SYSTEM	PC 14	1401-1403
0	GAS PIPING	FGC 4 FGC APP E FGC APP G	401-416 E.1-E.6 G.1-G.7

2. GAS METERS SHALL BE INSTALLED IN A LEVEL, HORIZONTAL POSITION. A MINIMUM OF 2 FEET OF CLEAR SPACE MUST BE MAINTAINED IN FRONT OF THE METERS. LOCATION OF GAS METERS SHALL CONFORM TO E.3 OF APPENDIX E METERS AND GAS SERVICE PIPING OF 2022 NYC FUEL GAS CODE & REQUIREMENTS SET FORTH BY UTILITY.

3. GAS PIPING SHALL NOT BE USED AS AN ELECTRIC GROUND.

4. NEW GAS PIPING SHALL BE TESTED IN ACCORDANCE WITH SECTION FGC 406.4 TESTING SHALL BE PERFORMED IN THE PRESENCE OF A REPRESENTATIVE FROM THE DOB PLUMBING INSPECTOR.

- a. GAS PRESSURE UP TO 1/2 PSIG: TEST AT A PRESSURE OF 3 PSIG FOR A DURATION OF 30 MINUTES.
- b. Gas pressure ½ psig to 5 psig: test at a pressure of 50 PSIG FOR A DURATION OF 30 MINUTES.
- c. GAS PRESSURE 5 PSIG TO 15 PSIG: TEST AT A PRESSURE OF 100 PSIG FOR A DURATION OF 1 HOUR.
- d. GAS PRESSURE GREATER THAN 15 PSIG: TEST AT A PRESSURE OF TWICE THE MAXIMUM OPERATING PRESSURE BUT NO LESS THAN 100 PSIG FOR A DURATION OF 1 HOUR.
- 5. GAS METER ROOM VENTILATION SHALL CONFORM TO E.4 OF APPENDIX E METERS AND GAS SERVICE PIPING OF 2022 NYC FUEL GAS CODE. A DUCT OR PIPE HAVING A CROSS-SECTIONAL AREA OF AT LEAST 50 SQ.IN. OF FREE AREA AND A MAXIMUM LENGTH OF 15 FT. LEADING TO OUTSIDE AIR SHALL BE PROVIDED.
- 6. GAS SERVICE PIPING CONNECTION SHALL CONFORM TO E.5 OF APPENDIX E METERS AND GAS SERVICE PIPING OF 2022 NYC FUEL GAS CODE & REQUIREMENTS SET FORTH BY UTILITY.
- 7. HOT WATER CIRCULATING PIPING SHALL BE INSULATED AS PER TABLE C403.11.3 OF THE 2020 NYC ENERGY CONSERVATION CODE REQUIREMENTS.

ABBREVIATIONS

ADDKL	VIAIIONS
AD	ACCESS DOOR
BFP	BACK FLOW PREVENTOR BUILDING
BLDG BSMT	BASEMENT
BTUH	BRITISH THERMAL UNITS PER HOUR
CFH	CUBIC FEET PER HOUR
Cl	CAST IRON
CL	CENTERLINE
CLG	CEILING
CO	CLEAN OUT
CU	COPPER
CW	DOMESTIC COLD WATER
D	DEPTH
DF	DRINKING FOUNTAIN
DN	DOWN
DWG	DRAWING
EXTG	EXISTING
EA	EACH
EF	ENERGY FACTOR
ET	EXPANSION TANK
°F	DEGREES FARENHEIT
FD	FLOOR DRAIN
FLA	FULL LOAD AMPERAGE
FLR	FLOOR
FPM	FEET PER MINUTE
FS	FLOW SWITCH
FT	FEET
G	NATURAL GAS
GAL	GALLON
GC	GENERAL CONTRACTOR
HD	HEAD
HP	HORSEPOWER
HR	HOUR
HT	HEIGHT
HW	DOMESTIC HOT WATER
HWC	HOT WATER RECIRCULATION
HZ	HERTZ
IN	INCHES
L	LENGTH
LAV	LAVATORY
LB	POUND
MBH	THOUSANDS OF BTU PER HOUR
MFGR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MS	MOP SINK
MTD	MOUNTED
NIC	NOT IN CONTRACT
NC	NORMALLY CLOSED
No	NUMBER
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OS&Y	OUTSIDE SCREW & YOLK
Р	PUMP
PD	PRESSURE DROP
PO	PLUGGED OUTLET
PRV	PRESSURE REDUCING VALVE
PS	PRESSURE SWITCH
PSI	POUNDS PER SQUARE INCH
R	RETURN
RLA	RATED LOAD AMPERAGE
RPM	
	REVOLUTIONS PER MINUTE
S	SANITARY
SLV	SLEEVE
SQ	SQUARE
SRV	SAFETY RELIEF VALVE
ST	STORAGE TANK
T&P	TEMPERATURE & PRESSURE
TYP	TYPICAL
UR	URINAL
V	VENT
VB	VACUUM BREAKER
VIF	VERIFY IN FIELD
W	WASTE
W/	WITH
W/O	WITHOUT
WC	WATER COLUMN

PLUMBING SYMBOLS

	• • • • • • • • •
AQ	AQUASTAT
—I¢I∕-€—	BALL VALVE
I[BUTTERFLY VALVE
	BASKET STRAINER
BFP	BACKFLOW PREVENTER
	BALANCING VALVE
iài	CIRCUIT BALANCING VALVE
h	CLEAN OUT
D	CONCENTRIC REDUCER
- > //- <	DIRECTION OF FLOW
\otimes	DRAIN (FLOOR/ROOF)
DCDA	DOUBLE CHECK DETECTOR ASSEMBLY
— XXXXXX	ELECTRICALLY TRACED PIPING
\leftarrow	FIRE DEPARTMENT CONNECTION (SIAMESE)
FS	FLOW SENSOR
	FRESH AIR INTAKE (FAI)
\	GAS VALVE
——————————————————————————————————————	GATE VALVE
— ×—	GLOBE VALVE
$\odot \odot$	HOUSE TRAP
X	ISOLATION VALVE
	NEW CONNECTION TO EXISTING
c—]	NON-FREEZE WALL HYDRANT (NFWH)
Ř	OS&Y VALVE
—0	PIPE RISING UP
)	PIPE DROPPING DOWN
— <u>X</u> —	PIPE ANCHOR
	PIPE GUIDE OR SLEEVE
	PIPE CAP
<u></u>	PIPE BREAK
	PIPE TOP CONNECTION
-0-	PIPE BOTTOM CONNECTION
К	PLUG VALVE
	P-TRAP
	PUMP
	PRESSURE REDUCING VALVE
29	PRESSURE SWITCH
	PRESSURE GAUGE W/ SNUBBER
RPZ	REDUCED PRESSURE ZONE VALVE ASSEMBLY
	SCHEMATIC PUMP
— 	STRAINER
	SWING CHECK VALVE
	SOLENOID VALVE
	TEE OUTLET DOWN
\checkmark	

——————————————————————————————————————	THERMOSTATIC MIXING VALVE
₽	THERMOMETER
	THERMAL EXPANSION LOOP
\$	T & P RELIEF VALVE
(UNION
VB	VACUUM BREAKER
JX	VALVE IN RISE
	VALVE CAPPED OUTLET
	WATER METER
AIR	Compressed Air
FW	FILTERED WATER
MV	MEDICAL VACUUM
WH	WALL HYDRANT

DRAWING NOTATIONS

Ð	POINT OF DISCONNECTION
•	POINT OF CONNECTION NEW TO EXISTING
X	PLAN NOTE NUMBER
	INDICATES REVISION AND NUMBER
X-X-X-	 EQUIPMENT IDENTITY (SEE EQUIPMENT ABBREVIATION LIST AND SCHEDULES) EQUIPMENT NUMBER SYSTEM NUMBER (IF APPLICABLE)
UP&DN-	— DIRECTION OF RISER — PLUMBING RISER DESIGNATION — RISER NUMBER
G	— GAS RISER DESIGNATION — RISER NUMBER
ST	- STORM RISER DESIGNATION

PLUMBING	LINETYPE	SYMBOLS	
LINE TYPE		DESCRIPTION	
		COLD WATER SUPPLY	ENGINEERING & ARCHITECTURE, DPC
		HOT WATER SUPPLY	159 WEST 25TH STREET NEW YORK, NY 10001
	·	HOT WATER RETURN	— TEL. (212) 675-8844/ FAX (212) 691-7972 OWNER:
——— GAS ———	GAS ———	GAS	6469 BROADWAY HDFC, INC. 6469 BROADWAY SELFHELP, LLC c/o SELFHELP COMMUNITY SERVICES
NG	NG ——	NATURAL GAS	520 8th AVENUE, 5th FLOOR NEW YORK, NY, 10018
SAN	san ———	PLUMBING SANITARY	 Tel: (212) 971-7746 Attn: SUSAN WRIGHT Email: swright@selfhelp.net
		PIPING UNDERGROUND	PROPERTY MANAGER:
PD	PD	PUMP DISCHARGED	BRONX PRO GROUP 1605 MLK Jr. BLVD.
		VENT	— BRONX, NY, 10453 Tel: (718) 684-5556 Attn: EMRUSH ZEQAJ
VNT	VNT	UNDERGROUND VENT	Email: ezeqaj@bronxprogroup.com
Storm		STORM	
D	D	CONDENSATE DRAIN	
X	- X	PLUMBING DEMOLITION	
			KEY PLAN: INDICATES LOCATION
			KEY PLAN: OF CELLAR REPAIR
			POST ROAD
			POST RO BROADWAY
			WEST 255TH STREET
			11/04/24ISSUED FOR BIDRA/RS10/25/24ISSUED FOR CLIENT REVIEWRA/RS
			10/04/2450% CDRAREV.DESCRIPTIONDRAWNDATEBY
			SEAL & SIGNATURE:
			PROJECT DESCRIPTION:
			REPAIR PROGRAM
			PROJECT LOCATION: 6469 BROADWAY
			BRONX, NY 10471
			SHEET TITLE:
			PLUMBING NOTES,
			ABBREVIATIONS AND SYMBOLS
		DOB NOW #:	RAND JOB #: M201205 SCALE: AS NOTED
		DOB STAMP:	DATE: 09/27/2024
			DRAWING BY: RS/RA REVIEWED BY: PEV
			NUMBER OF SHEETS: 2 OF 7
			SHEET NO.:
			P-001.00

PLUMBING SPECIFICATIONS

GENERAL

- A. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL EQUIPMENT AS NECESSARY TO PROVIDE A COMPLETE INSTALLATION INCLUDING COORDINATION, SYSTEM CHECK OUT AND START UP ON EACH ITEM AND SYSTEM.
- B. THIS CONTRACTOR SHALL INFORM HIMSELF FROM THE GENERAL CONSTRUCTION SPECIFICATIONS AND PLANS, OF THE EXACT DIMENSION OF FINISHED WORK AND OF THE HEIGHT OF FINISHED CEILINGS IN ALL ROOMS WHERE EQUIPMENT OR PIPES ARE TO BE PLACED AND ARRANGE HIS WORK IN ACCORDANCE WITH THE SCHEDULE OF INTERIOR FINISHES, AS INDICATED ON THE ARCHITECTURAL DRAWINGS OR BY OWNER.
- C. MANUFACTURER'S QUALIFICATIONS: FIRMS REGULARLY ENGAGED IN THE MANUFACTURER OF FIXTURES, APPLIANCES, PIPES AND PIPE FITTINGS OF TYPES AND SIZES REQUIRED, WHOSE PRODUCTS HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR NOT LESS THAN 5 YEARS.
- D. MATERIAL QUALIFICATIONS: SHALL CONFORM TO ALL LOCAL, STATE, AND NATIONAL/FEDERAL CODES AND REGULATIONS WHICH MAY APPLY AND NOTHING IN THESE SPECIFICATIONS SHALL BE INTERPRETED AS AN INFRINGEMENT OF SUCH CODES OR REGULATIONS.
- . BRAZING: CERTIFY BRAZING PROCEDURES, BRAZERS, AND OPERATORS IN ACCORDANCE WITH ASME BOILER AND PRESSURE VESSEL CODE, SECTION IX, FOR SHOP AND JOB-SITE BRAZING OF PIPING WORK.

RELATED DOCUMENTS

A. DRAWINGS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND BOOK SPECIFICATIONS, APPLY TO THIS SECTION.

DEFINITIONS

- A. FINISHED SPACES: SPACES OTHER THAN MECHANICAL AND ELECTRICAL EQUIPMENT ROOMS, FURRED SPACES, PIPE CHASES, UNHEATED SPACES IMMEDIATELY BELOW ROOF, SPACES ABOVE CEILINGS, UNEXCAVATED SPACES, CRAWLSPACES, AND TUNNELS.
- B. EXPOSED, INTERIOR INSTALLATIONS: EXPOSED TO VIEW INDOORS. EXAMPLES INCLUDE FINISHED OCCUPIED SPACES AND MECHANICAL EQUIPMENT ROOMS.
- C. EXPOSED, EXTERIOR INSTALLATIONS: EXPOSED TO VIEW OUTDOORS OR SUBJECT TO OUTDOOR AMBIENT TEMPERATURES AND WEATHER CONDITIONS. EXAMPLES INCLUDE ROOFTOP LOCATIONS.
- D. CONCEALED, INTERIOR INSTALLATIONS: CONCEALED FROM VIEW AND PROTECTED FROM PHYSICAL CONTACT BY BUILDING OCCUPANTS. EXAMPLES INCLUDE ABOVE CEILINGS AND IN CHASES.
- E. CONCEALED, EXTERIOR INSTALLATIONS: CONCEALED FROM VIEW AND PROTECTED FROM WEATHER CONDITIONS AND PHYSICAL CONTACT BY BUILDING OCCUPANTS BUT SUBJECT TO OUTDOOR AMBIENT TEMPERATURES. EXAMPLES INCLUDE INSTALLATIONS WITHIN UNHEATED SHELTERS.

. QUALITY ASSURANCE

A. ELECTRICAL CHARACTERISTICS FOR PLUMBING EQUIPMENT: EQUIPMENT OF HIGHER ELECTRICAL CHARACTERISTICS MAY BE FURNISHED PROVIDED SUCH PROPOSED EQUIPMENT IS APPROVED IN WRITING AND CONNECTING ELECTRICAL SERVICES, CIRCUIT BREAKERS, AND CONDUIT SIZES ARE APPROPRIATELY MODIFIED. IF MINIMUM ENERGY RATINGS OR EFFICIENCIES ARE SPECIFIED, EQUIPMENT SHALL COMPLY WITH REQUIREMENTS.

DELIVERY, STORAGE, AND HANDLING

- A. DELIVER PIPES AND TUBES WITH FACTORY-APPLIED END CAPS. MAINTAIN END CAPS THROUGH SHIPPING, STORAGE, AND HANDLING TO PREVENT PIPE END DAMAGE AND TO PREVENT ENTRANCE OF DIRT, DEBRIS, AND MOISTURE.
- B. STORE PLASTIC PIPES PROTECTED FROM DIRECT SUNLIGHT. SUPPORT TO PREVENT SAGGING AND BENDING.

COORDINATION

- A. COORDINATE REQUIREMENTS WITH OTHER CONTRACTORS. PROVIDE WORK AND SYSTEMS AS REQUIRED.
- B. PREPARE AND SUBMIT COORDINATION DRAWINGS TO ENGINEER FOR REVIEW.
- C. CLOSELY SCHEDULE THE WORK SO THAT WORK WILL BE INSTALLED AT THE PROPER TIME WITHOUT DELAYING THE COMPLETION OF THE ENTIRE PROJECT.
- D. WHERE THE WORK WILL BE INSTALLED IN CLOSE PROXIMITY TO THE WORK OF OTHER TRADES, OR WHERE THERE IS EVIDENCE THAT THE WORK WILL INTERFERE WITH THE WORK OF OTHER TRADES, ARRANGE SPACE CONDITIONS TO MAKE A SATISFACTORY ADJUSTMENT. IF WORK IS INSTALLED BEFORE COORDINATING WITH OTHER TRADES, MAKE NECESSARY CHANGES TO THE WORK TO CORRECT THE CONDITION WITHOUT ADDITIONAL COST TO THE OWNER.
- PREPARE COMPLETE SET OF DRAWINGS SHOWING ALL NECESSARY SLAB OPENINGS AND STRUCTURAL SUPPORTS THAT REQUIRE STRUCTURAL FRAMING. DRAWINGS SHALL CLEARLY INDICATE SIZES AND LOCATION RELATIVE TO ESTABLISHED COLUMN LINES. DRAWINGS SHALL BE COMPLETED IN SUFFICIENT TIME TO ALLOW FOR STRUCTURAL STEEL FABRICATION SO AS NOT TO DELAY PROJECT SCHEDULE.
- F. SHOP DRAWING SUBMISSIONS SHALL DEMONSTRATE A KNOWLEDGE OF THE WORK OF OTHER TRADES, AND SHALL SHOW THE LOCATIONS OF THE WORK OF OTHER TRADES WHICH AFFECTS THE WORK OF THIS CONTRACT.
- G. ARRANGE FOR PIPE SPACES, CHASES, SLOTS, AND OPENINGS IN BUILDING STRUCTURE DURING PROGRESS OF CONSTRUCTION, TO ALLOW FOR PLUMBING INSTALLATIONS.
- H. COORDINATE INSTALLATION OF REQUIRED SUPPORTING DEVICES AND SET SLEEVES IN POURED-IN-PLACE CONCRETE AND OTHER STRUCTURAL COMPONENTS AS THEY ARE CONSTRUCTED.
- COORDINATE REQUIREMENTS FOR ACCESS PANELS AND DOORS FOR PLUMBING ITEMS REQUIRING ACCESS THAT ARE CONCEALED BEHIND FINISHED SURFACES.

. COORDINATION DRAWINGS

- A. SHEET METAL AND PLUMBING SHOP DRAWINGS THAT HAVE BEEN COORDINATED WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO ENGINEER FOR REVIEW. DRAWINGS MUST BE RETURNED FROM ENGINEER EITHER "REVIEWED" OR "FURNISH AS CORRECTED" PRIOR TO BEING USED AS BASIS FOR COORDINATION | 11. VALVE TAGS DRAWINGS.
- AFTER SHEET METAL AND PIPING DRAWINGS HAVE BEEN REVISED PER ENGINEERS COMMENTS, REPRODUCIBLE COPIES SHALL BE SENT TO THE OTHERS TRADES IN THE FOLLOWING SEQUENCE FOR THE INCLUSION OF THEIR WORK:
 - 1) PLUMBING CONTRACTOR
 - 2) ELECTRICAL WORK
 - 3) MECHANICAL PIPING
- C. AFTER ALL TRADES HAVE INCLUDED THEIR WORK ON THE COORDINATION DRAWING AND NOTED CONFLICTS, ALL TRADES SHALL MEET TO RESOLVE CONFLICTS AND AGREE TO ACCEPTABLE SOLUTIONS. EACH TRADE SHALL SIGN COORDINATION DRAWINGS. ITEMS NOT SHOWN ON COORDINATION DRAWING IS RESPONSIBILITY OF OMITTING CONTRACTOR AND CONTRACTOR IS SUBJECT TO ADDITIONAL COSTS INCURRED BY OTHER TRADES.
- D. THE ARCHITECT AND ENGINEER ARE NOT PART OF THE COORDINATION DRAWING PROCESS. THE ENGINEER WILL PROVIDE ASSISTANCE RELATIVE TO ACCEPTABILITY OF INSTALLATIONS.
- E. SUBMIT FINAL SIGNED COORDINATION DRAWING TO ENGINEER FOR
- REVIEW. ENGINEER WILL REVIEW FOR ACCEPTABILITY OF INSTALLATIONS. F. ANY WORK FABRICATED OR INSTALLED PRIOR TO SIGN OFF BY ALL
- TRADES SHALL BE REMOVED AND RE-INSTALLED IN CONFORMANCE WITH COORDINATION DRAWINGS. G. EACH CONTRACTOR (MENTIONED ABOVE) IS RESPONSIBLE FOR THE
- COORDINATION OF HIS SUB-CONTRACTORS.
- H. THE OVERALL COORDINATION OF THE COORDINATION PROCESS IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. THE ENGINEER IS NOT RESPONSIBLE FOR THE COORDINATION PROCESS. THE ENGINEER WILL RESPOND TO QUESTIONS THAT ARISE FROM THE COORDINATION PROCESS. DRAWINGS SUBMITTED WILL BE REVIEWED FOR CLEARLY IDENTIFIED CONFLICTS ONLY. SOLUTIONS TO CONFLICTS WILL NOT BEAR ADDITIONAL COST.

8. AS BUILT DRAWINGS

- A. PROVIDE A COMPLETE SET OF AS-BUILT DRAWINGS REFLECTING AS INSTALLED CONDITIONS. AS-BUILT DRAWINGS SHALL INDICATE ALL INSTALLED CONDITIONS OF SYSTEMS WITHIN THIS DISCIPLINE. DRAWINGS SHALL BE OF SIMILAR SCALE AS THE CONSTRUCTION DOCUMENTS AND INCLUDE DETAILS AS NECESSARY TO CLEARLY REFLECT THE INSTALLED CONDITION. DRAWINGS SHALL BE BOUND IN A COMPLETE AND CONSECUTIVE SET. SUPPLEMENTAL SKETCHES AND LOOSE PAPERWORK WILL NOT BE ACCEPTABLE AND WILL BE RETURNED FOR REVISION. THE CONTRACTOR SHALL COMPLY WITH THE ENGINEERS COMMENTS TO PRODUCE A CLEAR AND CONCISE SET OF DRAWINGS. DRAWINGS SHALL BE SUBMITTED IN BOTH HARD COPY AND ELECTRONIC (AUTO-CAD VERSION AS REQUIRED BY THE OWNER) VERSION. NUMBER OF COPIES OF EACH AS REQUESTED BY THE OWNER.
- B. PROVIDE "AS-BUILT DRAWINGS" INDICATING IN A NEAT AND ACCURATE MANNER A COMPLETE RECORD OF ALL REVISIONS OF THE ORIGINAL DESIGN OF THE WORK. INDICATE THE FOLLOWING INSTALLED CONDITIONS:
- C. INCLUDE ALL CHANGES AND AN ACCURATE RECORD, ON REPRODUCTIONS OF THE CONTRACT DRAWINGS OR APPROPRIATE SHOP DRAWINGS, OF ALL DEVIATIONS, BETWEEN THE WORK SHOWN AND WORK INSTALLED.
- D. MAINS AND BRANCHES OF PIPING SYSTEMS, WITH VALVES AND CONTROL DEVICES LOCATED AND NUMBERED, CONCEALED UNIONS LOCATED, AND WITH ITEMS REQUIRING MAINTENANCE LOCATED (I.E., TRAPS, STRAINERS, EXPANSION COMPENSATORS, TANKS, ETC.). VALVE LOCATION DIAGRAMS, COMPLETE WITH VALVE TAG CHART.
- E. EQUIPMENT LOCATIONS (EXPOSED AND CONCEALED), DIMENSIONED FROM PROMINENT BUILDING LINES.
- F. APPROVED SUBSTITUTIONS, CONTRACT MODIFICATIONS, AND ACTUAL EQUIPMENT AND MATERIALS INSTALLED.
- G. CONTRACT MODIFICATIONS, ACTUAL EQUIPMENT AND MATERIALS INSTALLED.
- H. SUBMIT FOR REVIEW BOUND SETS OF THE REQUIRED DRAWINGS, MANUALS AND OPERATING INSTRUCTIONS.

9. PIPE MATERIALS

REFER TO SCHEDULE ON DRAWING.

10. PIPE LABELS

- A. IDENTIFICATION OF PIPING BY COLOR-CODED PAINTING AS INDICATED IN SCHEDULE ON PLAN.
- B. DO NOT USE PIPE LABELS OR PLASTIC TAPES FOR BARE PIPES CONVEYING FLUIDS AT TEMPERATURES OF 125 DEG F (52 DEG C) OR HIGHER.
- C. GENERAL REQUIREMENTS FOR MANUFACTURED PIPE LABELS: PREPRINTED, COLOR-CODED, WITH LETTERING INDICATING SERVICE, AND SHOWING FLOW DIRECTION.
- D. PRE TENSIONED PIPE LABELS: PRE COILED, SEMI RIGID PLASTIC FORMED TO COVER FULL CIRCUMFERENCE OF PIPE AND TO ATTACH TO PIPE WITHOUT FASTENERS OR ADHESIVE.
- E. SELF-ADHESIVE PIPE LABELS: PRINTED PLASTIC WITH CONTACT-TYPE, PERMANENT-ADHESIVE BACKING.
- F. PIPE LABEL CONTENTS: INCLUDE IDENTIFICATION OF PIPING SERVICE USING SAME DESIGNATIONS OR ABBREVIATIONS AS USED ON DRAWINGS, PIPE SIZE, AND AN ARROW INDICATING FLOW DIRECTION.

SLEEVE.

RATINGS:

LAMINATE.

C. MANUFACTURERS:

1) FLAMESPREAD -25

2) SMOKE DEVELOPED -50

3) FUEL CONTRIBUTED -50

4) OWENS-CORNING, TYPE 25 ASJ

5) KNAUF - PIPE INSULATION WITH ASJ

6) 30 CERTAINTEED - TYPE 500 SNAP-ON WITH ASJ

D. TYPE G - FIBERGLASS INSULATION FOR VALVES, FITTINGS, FLANGES

E. MOLDED, FACTORY-FORMED FIBROUS GLASS WITH 3.5 PCF MINIMUM

7) MANVILLE - MICRO-LOK 650 WITH AP JACKET

13. INSULATION

DENSITY, MAX. K = .3 AT 200F, MEAN, RATED TO 450 DEGREE F. ALL JOINTS TO BE SEALED WITH VAPOR BARRIER ADHESIVE AND WRAPPED WITH GLASS MESH TAPE. EACH FITTING TO BE FINISHED WITH TWO COATS OF BENJAMIN FOSTER 30-36 VAPOR SEAL.

(VAPOR SEAL INSULATION).

14. VALVES

- A. GENERAL: APPROVED MANUFACTURERS; HAYWARD, NOBCO, APOLLO, STOCKHOLM.
- B. REFER TO SCHEDULE ON DRAWING.

15. PIPE SLEEVES AND SEALS

- A. MASONRY WALLS AND SLABS: SCHEDULE 40 GALVANIZED STEEL PIPE WITH INTEGRAL WATER STOP.
- B. SLEEVE ADAPTERS: COATED CAST IRON, EQUIPPED WITH FLASHING CLAMP.
- C. CONTRACTOR SHALL SEAL ALL PENETRATIONS THROUGH PARTITIONS, SLABS AND/OR CEILINGS WITH A U.L. APPROVED FIRE/SMOKE STOP TO MAINTAIN THE INTEGRITY OF THE RESPECTIVE RATING INCLUDING SMOKE TIGHT PARTITIONS.

EXECUTION

G. FLOW-DIRECTION ARROWS: INTEGRAL WITH PIPING SYSTEM SERVICE LETTERING TO ACCOMMODATE BOTH DIRECTIONS OR AS SEPARATE

A. RETAIN REQUIREMENT IN "ACTION SUBMITTALS" ARTICLE TO SUBMIT

B. VALVE TAGS: STAMPED OR ENGRAVED WITH 1/4-INCH LETTERS FOR

C. TAG MATERIAL: BRASS, 0.032-INCH MINIMUM THICKNESS, AND HAVING

E. VALVE SCHEDULES: FOR EACH PIPING SYSTEM, ON 8-1/2-BY-11-INCH

BOND PAPER. TABULATE VALVE NUMBER, PIPING SYSTEM, SYSTEM

ABBREVIATION (AS SHOWN ON VALVE TAG), LOCATION OF VALVE

(ROOM OR SPACE), NORMAL-OPERATING POSITION (OPEN, CLOSED,

OR MODULATING), AND VARIATIONS FOR IDENTIFICATION. MARK

F. VALVE-TAG SCHEDULE SHALL BE INCLUDED IN OPERATION AND

A. SEISMIC RESTRAINT: PROVIDE SEISMIC RESTRAINT OF ALL PLUMBING

EQUIPMENT AND SYSTEMS IN ACCORDANCE WITH STATE BUILDING

CODE REQUIREMENTS. SUBMIT SHOP DRAWINGS SIGNED AND SEALED

BY A LICENSED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF

THE PROJECT INDICATING ALL NECESSARY COMPONENT CUTS, PLAN

LOCATIONS AND CALCULATIONS FOR A COMPLETE SYSTEM. REFER TO

OF APPROVED DESIGN TO KEEP PIPING IN PROPER ALIGNMENT AND

PREVENT TRANSMISSION OF INJURIOUS THRUSTS AND VIBRATIONS. IN

ALL CASES WHERE HANGERS, BRACKETS, ETC., ARE SUPPORTED FROM

CONCRETE CONSTRUCTION, DO NOT WEAKEN CONCRETE OR

PENETRATE WATERPROOFING. ALL HANGERS AND SUPPORTS SHALL BE

CAPABLE OF SCREW ADJUSTMENT AFTER PIPING IS ERECTED. HANGERS

SUPPORTING PIPING EXPANDING INTO LOOPS, BENDS AND OFFSETS

SHALL BE SECURED TO THE BUILDING STRUCTURE IN SUCH A MANNER

THAT HORIZONTAL ADJUSTMENT PERPENDICULAR TO THE RUN OF PIPING

SUPPORTED MAY BE MADE TO ACCOMMODATE DISPLACEMENT DUE TO

EXPANSION. ALL SUCH HANGERS SHALL BE FINALLY ADJUSTED BOTH IN

THE VERTICAL AND HORIZONTAL DIRECTION, AS REQUIRED. HANGERS IN

CONTACT WITH COPPER OR BRASS PIPE SHALL BE DIELECTRIC,

COMPATIBLE WITH COPPER AND BRASS ALLOY OR PROVIDED WITH FELT

A. ALL INSULATING MATERIALS SHALL COMPLY WITH THE FOLLOWING

B. FIBERGLASS PIPING INSULATION (INTERIOR) MOLDED FIBROUS GLASS

WITH 3.5 POUNDS MINIMUM DENSITY, MAXIMUM K = .3 AT 200 DEGREE F,

MEAN AND RATED TO 450 DEGREE F. THE INSULATION SHOULD BE

B. PROVIDE NECESSARY STRUCTURAL MEMBERS, HANGERS AND SUPPORTS

PREDRILLED OR STAMPED HOLES FOR ATTACHMENT HARDWARE.

VALVES FOR EMERGENCY SHUTOFF AND SIMILAR SPECIAL USES.

12. PIPE HANGERS, SUPPORTS, SEISMIC RESTRAINT, AND VIBRATION ISOLATION

D. FASTENERS: BRASS WIRE-LINK OR BEADED CHAIN; OR S-HOOK.

UNIT ON EACH PIPE LABEL TO INDICATE FLOW DIRECTION.

PIPING SYSTEM ABBREVIATION AND 1/2-INCH NUMBERS.

LETTERING SIZE: AT LEAST 1-1/2 INCHES HIGH.

NUMBERING SCHEME FOR APPROVAL.

MAINTENANCE DATA.

OTHER DIVISION 15 REQUIREMENTS.

16. GENERAL

- A. THIS CONTRACTOR SHALL INFORM HIMSELF FROM THE GENERAL CONSTRUCTION SPECIFICATIONS AND PLANS, OF THE EXACT DIMENSION OF FINISHED WORK AND OF THE HEIGHT OF FINISHED CEILINGS IN ALL ROOMS WHERE EQUIPMENT OR PIPES ARE TO BE PLACED AND ARRANGE HIS WORK IN ACCORDANCE WITH THE SCHEDULE OF INTERIOR FINISHES, AS INDICATED ON THE ARCHITECTURAL DRAWINGS.
- B. BRAZING: CERTIFY BRAZING PROCEDURES, BRAZERS, AND OPERATORS IN ACCORDANCE WITH ASME BOILER AND PRESSURE VESSEL CODE, SECTION IX, FOR SHOP AND JOB-SITE BRAZING OF PIPING WORK.

17. COORDINATION OF WORK

- A. CAREFULLY COORDINATE SPACE REQUIREMENTS WITH OTHER TRADES TO ENSURE THAT ALL MATERIALS CAN BE INSTALLED IN SPACES ALLOTTED THERETO, INCLUDING FINISHED SUSPENDED CEILINGS.
- B. PREPARE AND SUBMIT COORDINATION DRAWINGS.

18. ALTERATION WORK

- A. ALL EQUIPMENT, FIXTURES, PIPING, ETC. TO BE REMOVED, SHALL BE DISPOSED OF, TURNED OVER TO THE OWNER, OR SALVAGED AS DIRECTED BY THE OWNER. EQUIPMENT, FIXTURES, PIPING, DEVICES, ETC. SHALL NOT BE REMOVED FROM THE PREMISES WITHOUT THE OWNER'S APPROVAL.
- WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE OWNER'S AND PROJECT SCHEDULE AND PHASING. PROVIDE TEMPORARY SERVICES AND CONNECTIONS TO ACCOMMODATE THESE REQUIREMENTS. THE SHUTDOWN OR TRANSFERENCE OF SYSTEMS SHALL BE COORDINATED WITH THE OWNERS REQUIREMENTS.
- C. ALL PIPING TO REMAIN SHALL BE PROPERLY PLUGGED, VALVED, CAPPED AND/OR BY PASSED SUCH THAT UPON COMPLETION OF WORK ALL ABANDON SYSTEMS ARE PROPERLY CONCEALED, AND THAT EXISTING SYSTEMS TO REMAIN, REMAIN OPERATIONAL.
- D. NO DEAD ENDS SHALL BE LEFT ON ANY PIPING SYSTEMS UPON COMPLETION OF WORK.
- E. EXISTING EXPOSED PIPING SYSTEMS NOT TO BE REUSED, AND NOT SPECIFICALLY NOTED FOR REMOVAL SHALL BE COMPLETELY REMOVED.
- F. ALL SYSTEMS SHALL BE LEFT IN WORKING ORDER TO THE SATISFACTION OF THE OWNER UPON COMPLETION OF ALL NEW WORK.
- G. ALL EXISTING EXPOSED, UNNECESSARY PIPING RELATED TO NEW WORK SHALL BE COMPLETELY REMOVED.
- H. ALL PIPING NEW AND EXISTING TO REMAIN SHALL BE CONCEALED. RE-ROUTE OR REMOVE ALL EXISTING PIPING, AND SYSTEMS WHERE NECESSARY TO AVOID NEW EQUIPMENT, STRUCTURAL, MASONRY WORK OR AS REQUIRED BY THE PROPOSED ALTERATIONS.

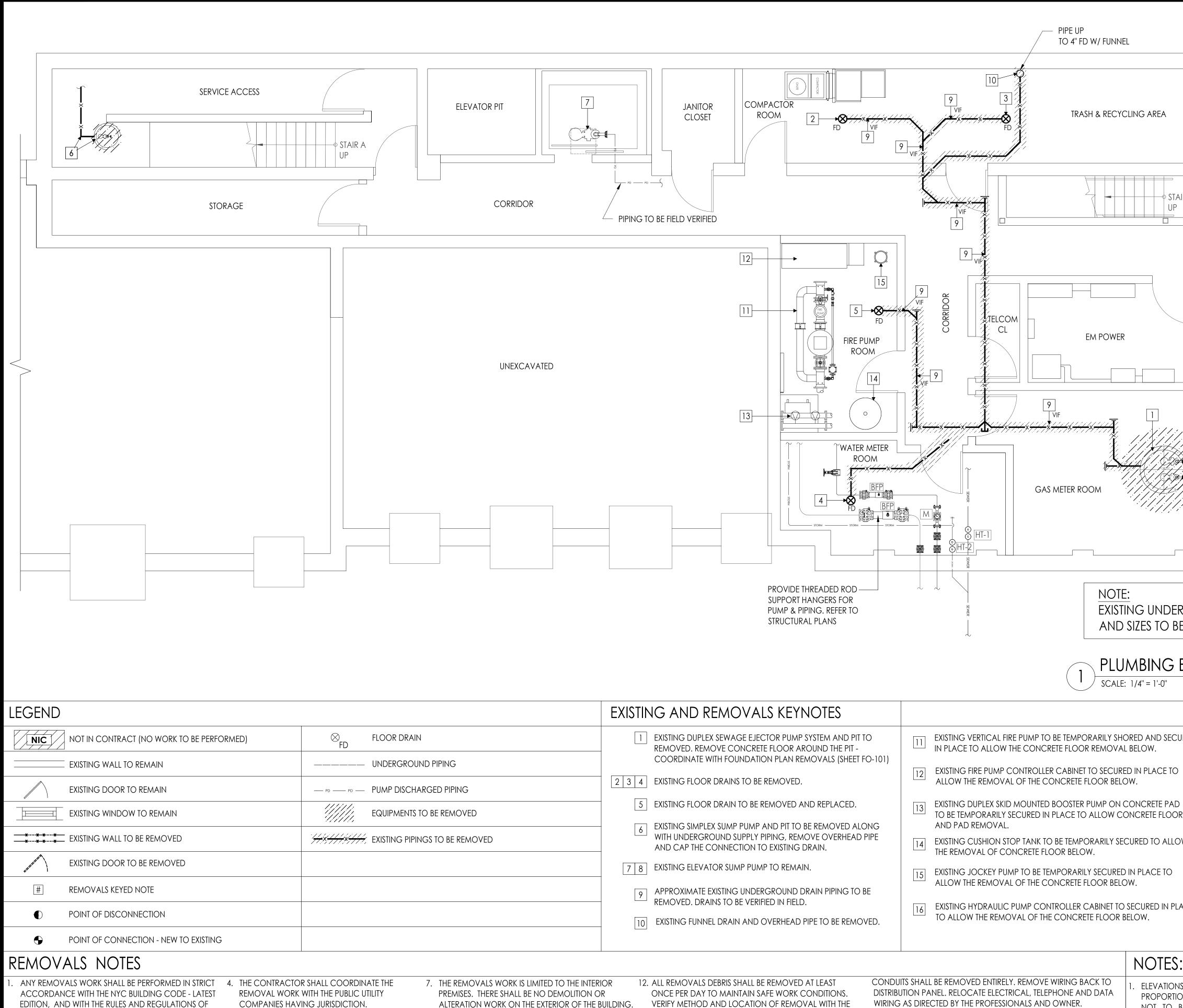
19. PENETRATIONS THROUGH FIRE SEPARATIONS

FIRE AND SMOKE SEAL: UL LISTED, APPROVED AND TESTED FIRE AND/OR SMOKE SEALING MATERIAL INSTALLED IN ALL FIRE AND/OR SMOKE RATED FLOOR AND PARTITIONS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

SECTIONAL PIPE JACKETED WITH AN EMBOSSED VAPOR BARRIER | 20. TESTS

- A. GENERAL: TEST PLUMBING SYSTEMS TO SATISFACTION OF BUILDING OFFICIAL. DO NOT CLOSE IN, CONCEAL, OR COVER UP ANY PLUMBING WORK UNTIL IT HAS BEEN TESTED, INSPECTED, AND APPROVED.
- B. FLUSH PIPING, PRIOR TO TESTING, TO REMOVE FOREIGN MATERIALS WHICH MAY HAVE ENTERED DURING COURSE OF INSTALLATION.
- C. REPAIR ALL LEAKS, DEFECTS OR DAMAGE REVEALED BY THE RESULTS OF THE TESTING AND RE-TEST THE SYSTEM.
- D. DO NOT INSULATE OR CONCEAL PIPING UNTIL THE SYSTEM HAS BEEN TESTED AND THE RESULTS APPROVED.
- E. PERFORM TESTS IN THE PRESENCE OF THE AUTHORITY HAVING JURISDICTION. NOTIFY ARCHITECT AND/OR ENGINEER.

	<section-header> Image: Construction of the second second</section-header>
	KEY PLAN: INDICATES LOCATION OF CELLAR REPAIR Image: Constraint of the strategy of the strateg
	SEAL & SIGNATURE: PROJECT DESCRIPTION: LIMITED CELLAR LEVEL REPAIR PROGRAM PROJECT LOCATION: 6469 BROADWAY BRONX, NY 10471 SHEET TITLE: PLUMBING SPECIFICATIONS
DOB NOW #: DOB STAMP:	RAND JOB #: M201205 SCALE: AS NOTED DATE: 09/27/2024 DRAWING BY: RS/RA REVIEWED BY: PEV NUMBER OF SHEETS: 3 OF 7 SHEET NO.: PEV



- EDITION, AND WITH THE RULES AND REGULATIONS OF ALL LOCAL AGENCIES, DEPARTMENTS OR LAWS HAVING JURISDICTION, INCLUDING BUT NOT LIMITED TO OSHA, ANSI, NFPA, ETC.
- THE CONTRACTOR SHALL BE RESPONSIBLE AND HELD LIABLE FOR COMPLIANCE WITH ALL PUBLIC AND PROPERTY SAFETY PROCEDURES DURING AND AFTER THE DEMOLITION WORK COVERED BY THIS APPLICATION, AS DIRECTED BY THE NYC BUILDING CODE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS AND PAY ALL FEES AS PART OF THE DEMOLITION WORK REQUIRED FOR THIS PROJECT.
- COMPANIES HAVING JURISDICTION.
- 5. THE CONTRACTOR SHALL CHECK AND VERIFY ALL CONDITIONS AFFECTING THE DEMOLITION AND NOTIFY THE ARCHITECT AND/OR ENGINEER OF ANY DISCREPANCIES ON THE DRAWINGS WHICH
- WOULD AFFECT THE WORK. THE CONTRACTOR SHALL PROTECT AND PRESERVE AND/OR REPLACE ANY ITEMS DAMAGED DURING THE COURSE OF WORK TO THE SATISFACTION OF THE LANDLORD AT NO ADDITIONAL COST.
- ALTERATION WORK ON THE EXTERIOR OF THE BUILDING. 8. ALL EXISTING ADJOINING BUILDING SURFACES SHALL BE FULLY PROTECTED DURING THE WORK, AND
- LANDLORD'S BUILDING MANAGEMENT PRIOR TO BEGINNING THE WORK. ALL EXISTING MATERIAL AND EQUIPMENT TO BE REMOVED (LIGHTING, FIXTURES, CLEANED AT THE END OF WORK. DOORS, FURNISHING, EQUIPMENT, ETC) SHALL REMAIN THE PROPERTY OF THE OWNER AND BE GIVEN TO THE COLUMNS, FRAMING AND PARTITIONS. NO OWNER, OR DISPOSED OF AS DIRECTED BY THE OWNER. STRUCTURAL DEMOLITION WORK IS INCLUDED. 13. ALL ELECTRICAL LIVE EQUIPMENT AND CIRCUITS SHALL BE ARE INDICATED TO BE REMOVED, REMOVE ALL TRIMS, LEFT IN SAFE, OPERATING CONDITIONS, AND IN FULL
- 9. THERE SHALL BE NO REMOVAL OF LOAD BEARING ALL EXISTING ITEMS TO REMAIN AND SHALL REPAIR 10. WHERE NON-LOAD BEARING WALLS OR PARTITIONS DOORS, FRAMES, WALL OUTLETS, SWITCHES, SURFACE COMPLIANCE WITH THE ELECTRICAL CODE
 - MOUNTED FIXTURES. 11. ALL COMBUSTIBLE MATERIALS AND DEBRIS SHALL BE REMOVED PRIOR TO ANY DEMOLITION WORK.

- TO BE TEMPORARILY SECURED IN PLACE TO ALLOW CONCRETE FLOOF

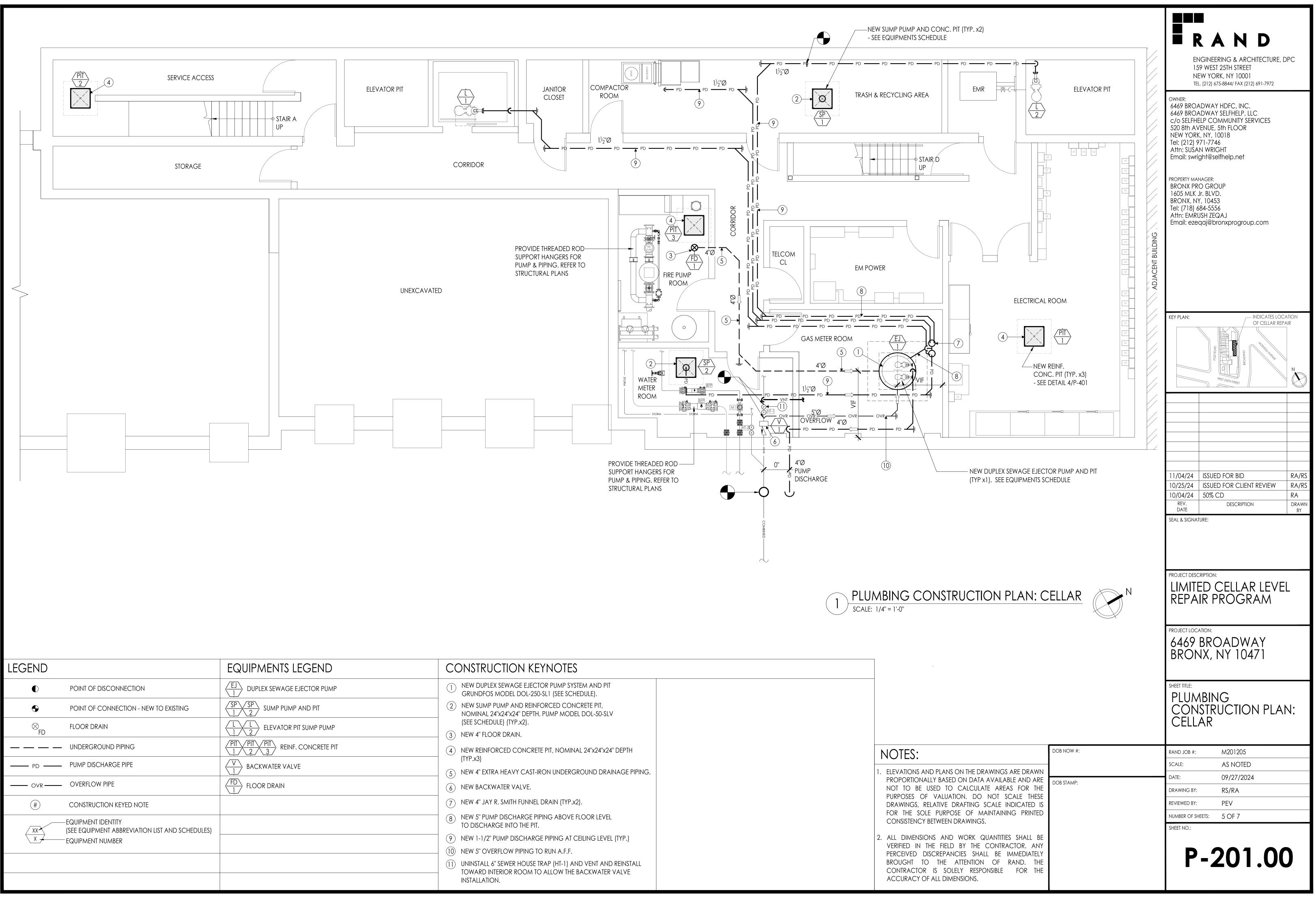
- - NOTES: ELEVATION
 - NOT TO PURPOSES DRAWINGS FOR THE CONSISTEN
 - 2. ALL DIMEN VERIFIED PERCEIVED BROUGHT CONTRACT ACCURAC

REQUIREMENTS. BOXES AND PANELS SHALL BE COVERED, KNOCKOUTS SHALL BE PLUGGED AND WIRE ENDS SHALL BE CAPPED AND INSULATED. EXPOSED CABLES AND

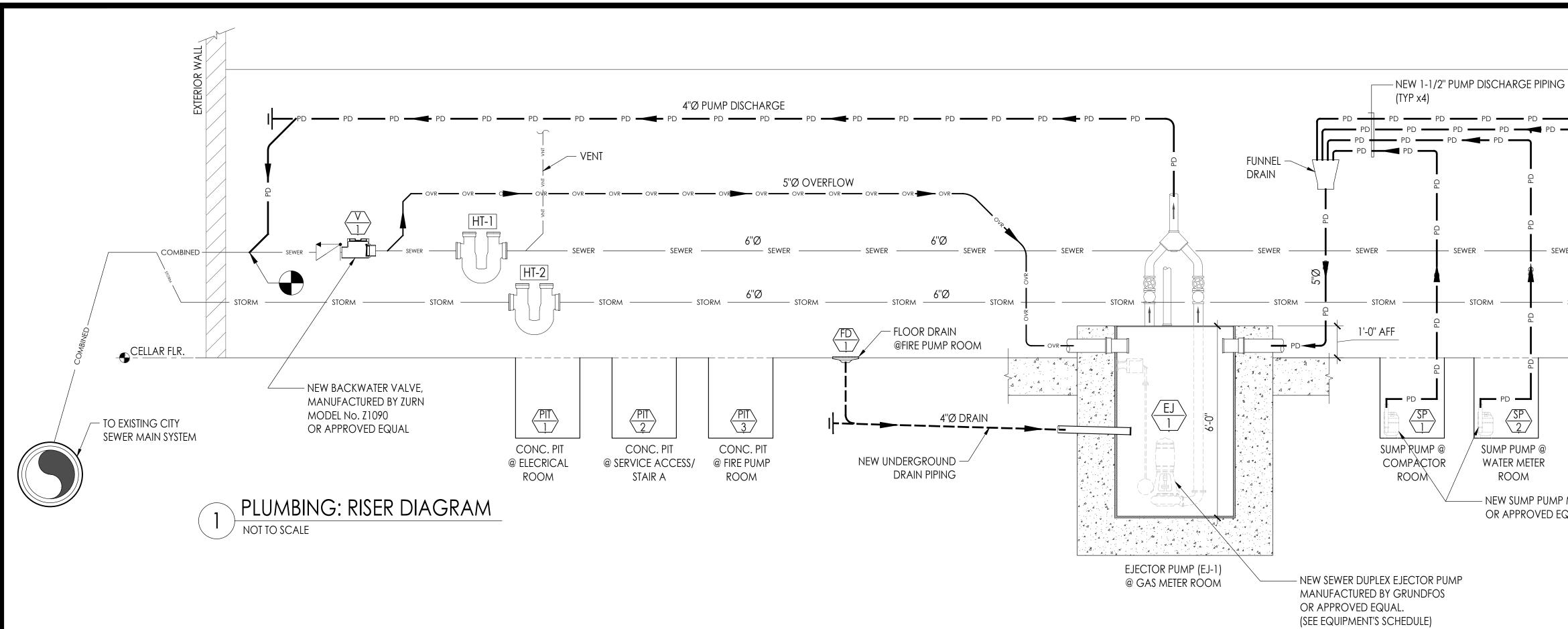
WIRING AS DIRECTED BY THE PROFESSIONALS AND OWNER.

- 14. ALL EXISTING VERTICAL AND HORIZONTAL BASE BUILDING PLUMBING PIPING, ELECTRICAL CONDUITS, AND ANY OTHER BUILDING'S SYSTEMS, SHALL NOT BE REMOVED AND SHALL BE LEFT IN OPERATING CONDITIONS AT ALL TIMES.
- 15. THE REMOVALS OF PLUMBING FIXTURES IS ENVISIONED. ALL SHAFT WALLS SHALL BE MAINTAINED IN PLACE AS REQUIRED. THE CAPPING OF SELECTED PIPING SHALL BE PROVIDED BY A LICENSED PLUMBER IN FULL COMPLIANCE WITH THE NYC BUILDING CODE - LATEST EDITION.
- 16. PROVIDE TEMPORARY LIGHTING AND ELECTRICAL SERVICE IN THE WORK AREA AS REQUIRED TO COMPLETE THE WORK. 17. ALL EXITS SHALL BE KEPT READILY ACCESSIBLE AND UNOBSTRUCTED
- AT ALL TIMES.

			R	AND	
	8 ELEVATOR PIT		159 NEV	GINEERING & ARCHITECTURE, WEST 25TH STREET V YORK, NY 10001 (212) 675-8844/ FAX (212) 691-7972	DPC
			6469 BROAE c/o SELFHEL 520 8th AVE NEW YORK, Tel: (212) 97	1-7746	
			PROPERTY MANA	ht@selfhelp.net AGER:	
			BRONX PRO 1605 MLK Jr. BRONX, NY, Tel: (718) 68 Attn: EMRUS	. BLVD. 10453 4-5556 SH ZEQAJ	
		CENT BUILDING	Email: ezeq	aj@bronxprogroup.com	
		ALDA			
ELECTRICAL			KEY PLAN:	INDICATES LOO OF CELLAR RE	
				WEST 256TH STREET	
RGROUND DRAINAGE PIPING LC E FIELD VERIFIED AFTER THE SLAB			10/25/24	ISSUED FOR BID ISSUED FOR CLIENT REVIEW 50% CD DESCRIPTION	RA/RS RA/RS RA DRAWN
EXISTING/REMOVALS PL	AN: CELLAR	N	DATE SEAL & SIGNATUI		BY
			PROJECT DESCR	ΙΡΤΙΩΝΙ·	
JRED			LIMITE	D CELLAR LEVE R PROGRAM	EL
R R DW				BROADWAY X, NY 10471	
ACE			SHEET TITLE: PLUM REMC CELLA	BING EXISTING, VALS PLAN: AR	/
•	DOB NOW #:		RAND JOB #:	M201205 AS NOTED	
IS AND PLANS ON THE DRAWINGS ARE DRAWN ONALLY BASED ON DATA AVAILABLE AND ARE BE USED TO CALCULATE AREAS FOR THE OF VALUATION. DO NOT SCALE THESE S, RELATIVE DRAFTING SCALE INDICATED IS SOLE PURPOSE OF MAINTAINING PRINTED NCY BETWEEN DRAWINGS.	DOB STAMP:		DATE: DRAWING BY: REVIEWED BY: NUMBER OF SHEE	09/27/2024 RS/RA PEV	
NSIONS AND WORK QUANTITIES SHALL BE IN THE FIELD BY THE CONTRACTOR. ANY DISCREPANCIES SHALL BE IMMEDIATELY TO THE ATTENTION OF RAND. THE TOR IS SOLELY RESPONSIBLE FOR THE CY OF ALL DIMENSIONS.			SHEET NO.:	-101.0	0



(CONSTRUCTION KEYNOTES	
	D NEW DUPLEX SEWAGE EJECTOR PUMP SYSTEM AND PIT GRUNDFOS MODEL DOL-250-SL1 (SEE SCHEDULE).	
_ (2) NEW SUMP PUMP AND REINFORCED CONCRETE PIT, NOMINAL 24"x24"x24" DEPTH. PUMP MODEL DOL-50-SLV (SEE SCHEDULE) (TYP.x2).	
	3) NEW 4" FLOOR DRAIN.	
	NEW REINFORCED CONCRETE PIT, NOMINAL 24"x24" DEPTH (TYP.x3)	NOTES
	5 NEW 4" EXTRA HEAVY CAST-IRON UNDERGROUND DRAINAGE PIPING.	I. ELEVATION
	6 NEW BACKWATER VALVE.	PROPORTION
	7) NEW 4" JAY R. SMITH FUNNEL DRAIN (TYP.x2).	PURPOSES DRAWING
	8 NEW 5" PUMP DISCHARGE PIPING ABOVE FLOOR LEVEL TO DISCHARGE INTO THE PIT.	for the Consisted
	9 NEW 1-1/2" PUMP DISCHARGE PIPING AT CEILING LEVEL (TYP.)	2. ALL DIME
	0 NEW 5" OVERFLOW PIPING TO RUN A.F.F.	VERIFIED PERCEIVED
	UNINSTALL 6" SEWER HOUSE TRAP (HT-1) AND VENT AND REINSTALL TOWARD INTERIOR ROOM TO ALLOW THE BACKWATER VALVE INSTALLATION.	BROUGHT CONTRAC ACCURAC



EQUIPMENT'S SCHEDULE

SUMP/SEWAGE EJECTOR PUMP (GRUNDFOS AS STD. - CONTACT DOLPHIN EQUIPMENT - 914-663-8355 / 201-385-9999)

					-							-			
PUMP #	LOCATION	# OF PUMPS	PUMP STYLE	FLUID	MOTOR HP (EACH)	MOTOR RPM		MOTOR			TDH (FT. OF HD)	OUTLET (INCHES)	MANUFACTURER	MODEL #	
EJ-1	Cellar (@ Gas meter room)	2	SUBMERSIBLE	SEWAGE	3	1756	208	3	250	250	20	4	GRUNDFOS	DOL-250-SL1-20-3-30.A30.30	1
SP-1	CELLAR (@ COMPACTOR ROOM)	1	SUBMERSIBLE	EFFLUENT	3	3476	208	3	50	50	43	3	GRUNDFOS	DOL-50-SLV-43-3-25.A30.30	N
SP-2	CELLAR (@ WATER METER ROOM)	1	SUBMERSIBLE	EFFLUENT	3	3476	208	3	50	50	43	3	GRUNDFOS	DOL-50-SLV-43-3-25.A30.30	N
	EJ-1 SP-1	EJ-1 CELLAR (@ GAS METER ROOM) SP-1 CELLAR (@ COMPACTOR ROOM)	PUMP #LOCATIONPUMPSEJ-1CELLAR (@ GAS METER ROOM)2SP-1CELLAR (@ COMPACTOR ROOM)1	PUMP #LOCATIONPUMPSPUMP STYLEEJ-1CELLAR (@ GAS METER ROOM)2SUBMERSIBLESP-1CELLAR (@ COMPACTOR ROOM)1SUBMERSIBLE	PUMP #LOCATIONPUMPSPUMP STYLEFLUIDEJ-1CELLAR (@ GAS METER ROOM)2SUBMERSIBLESEWAGESP-1CELLAR (@ COMPACTOR ROOM)1SUBMERSIBLEEFFLUENT	PUMP #LOCATION# OF PUMPSPUMP STYLEFLUIDHP (EACH)EJ-1CELLAR (@ GAS METER ROOM)2SUBMERSIBLESEWAGE3SP-1CELLAR (@ COMPACTOR ROOM)1SUBMERSIBLEEFFLUENT3	PUMP # LOCATION PUMPS PUMPS ITTLE FLUID ITT (EACH) RPM EJ-1 CELLAR (@ GAS METER ROOM) 2 SUBMERSIBLE SEWAGE 3 1756 SP-1 CELLAR (@ COMPACTOR ROOM) 1 SUBMERSIBLE EFFLUENT 3 3476	PUMP #LOCATION# OF PUMPSPUMP STYLEFLUIDHP (EACH)MOTOR RPMMOTOR VOLTSEJ-1CELLAR (@ GAS METER ROOM)2SUBMERSIBLESEWAGE31756208SP-1CELLAR (@ COMPACTOR ROOM)1SUBMERSIBLEEFFLUENT33476208	PUMP #LOCATION# OF PUMPSPUMP STYLEFLUIDHP (EACH)MOTOR RPMMOTOR VOLTSMOTOR PHASEEJ-1CELLAR (@ GAS METER ROOM)2SUBMERSIBLESEWAGE317562083SP-1CELLAR (@ COMPACTOR ROOM)1SUBMERSIBLEEFFLUENT334762083	PUMP #LOCATION# OF PUMPSPUMP STYLEFLUIDHP (EACH)MOTOR RPMMOTOR VOLTSMOTOR PHASEFLOW RATE, GPMEJ-1CELLAR (@ GAS METER ROOM)2SUBMERSIBLESEWAGE317562083250SP-1CELLAR (@ COMPACTOR ROOM)1SUBMERSIBLEEFFLUENT33476208350	PUMP #LOCATION# OF PUMPSPUMP STYLEFLUIDHP (EACH)MOIOR RPMMOIOR VOLTSMOIOR PHASEFLOW RATE, GPMFLOW RATE, GPMEJ-1CELLAR (@ GAS METER ROOM)2SUBMERSIBLESEWAGE317562083250250SP-1CELLAR (@ COMPACTOR ROOM)1SUBMERSIBLEEFFLUENT3347620835050	PUMP #LOCATION# OF PUMPSPUMP STYLEFLUIDHP (EACH)MOTOR RPMMOTOR VOLTSMOTOR PHASEFLOW RATE, GPMFLOW RATE, (FL. OF HD)E.J-1CELLAR (@ GAS METER ROOM)2SUBMERSIBLESEWAGE317562083250250200SP-1CELLAR (@ COMPACTOR ROOM)1SUBMERSIBLEEFFLUENT334762083505043	PUMP #LOCATION# OF PUMPSPUMP STYLEFLUIDHP (EACH)MOTOR RPMMOTOR VOLTSMOTOR PHASEFLOW RATE, GPMFLOW RATE, (FLOW RATE, GPMFLOW RATE, (FLOW RATE, GPMIDH (FLOF HD)OUTLET (IDH (INCHES)EJ-1CELLAR (@ GAS METER ROOM)2SUBMERSIBLESEWAGE317562083250250204SP-1CELLAR (@ COMPACTOR ROOM)1SUBMERSIBLEEFFLUENT3347620835050433	PUMP #LOCATION# OF PUMPSPUMP STYLEFLUIDHP (EACH)MOIOR RPMMOIOR PUMPSMOIOR PHASEFLOW RATE, GPMFLOW RATE, GPMIDH (FL OF HD)IDH (FL OF HD)OUTLET (INCHES)MANUFACTUREREJ-1CELLAR (@ GAS METER ROOM)2SUBMERSIBLESEWAGE3175620832502502004GRUNDFOSSP-1CELLAR (@ COMPACTOR ROOM)1SUBMERSIBLEEFFLUENT3347620835050433GRUNDFOS	PUMP # LOCATION # OF PUMPS PUMP STYLE FLUID HP (EACH) MOIOR RPM MOIOR PLASE FLOW RATE GPM FLOW RATE (FL. OF HD) IDH (INCHES) OUTER (INCHES) MANUFACTURER MANUFACTURER MODEL # EJ-1 CELLAR (@ GAS METER ROOM) 2 SUBMERSIBLE SEWAGE 3 1756 208 3 250 250 20 4 GRUNDFOS DOL-250-SL1-20-3-30.A30.30 SP-1 CELLAR (@ COMPACTOR ROOM) 1 SUBMERSIBLE EFFLUENT 3 3476 208 3 50 50 43 3 GRUNDFOS DOL-50-SLV-43-3-25.A30.30 SP-1 CELLAR (@ COMPACTOR ROOM) 1 SUBMERSIBLE EFFLUENT 3 3476 208 3 50 50 43 3 GRUNDFOS DOL-50-SLV-43-3-25.A30.30

NOTES:

1. SUMP/SEWAGE EJECTOR PUMPS TO BE PROVIDED BY GRUNDFOS (CONTACT: DOLPHIN EQUIPMENT - 914-663-8355 / 201-385-9999)

2. NEMA 4X CONTROL PANEL, POLYCARBONATE ENCLOSURE, CONTROL PANEL TO HAVE FACE MOUNTED HOA SWITCHES AND THROUGH THE DOOR DISCONNECT WITH STATUS LIGHTS AND ALARMS

3. VISUAL AND AUDIBLE ALARMS AND STATUS DISPLAYED ON HMI; PUMP RUN, PUMP FAIL, LOW AND HIGH LEVELS, FAIL TO START, LEAD START/STOP, LAG START/STOP.

4. QUICK DISCONNECT FITTING, MOUNTING SYSTEM WITH INTEGRATED BASE ELBOW, UPPER GUIDE BAR HOLDERS, LIFTING CABLE FOR EACH PUMP.

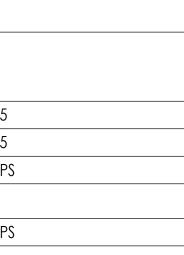
5. GAS TIGHT PIT COVER WITH FRAME INCLUDING ACCESS PANEL, VENT, 4" DISCHARGE FITTINGS, CABLE FITTINGS.

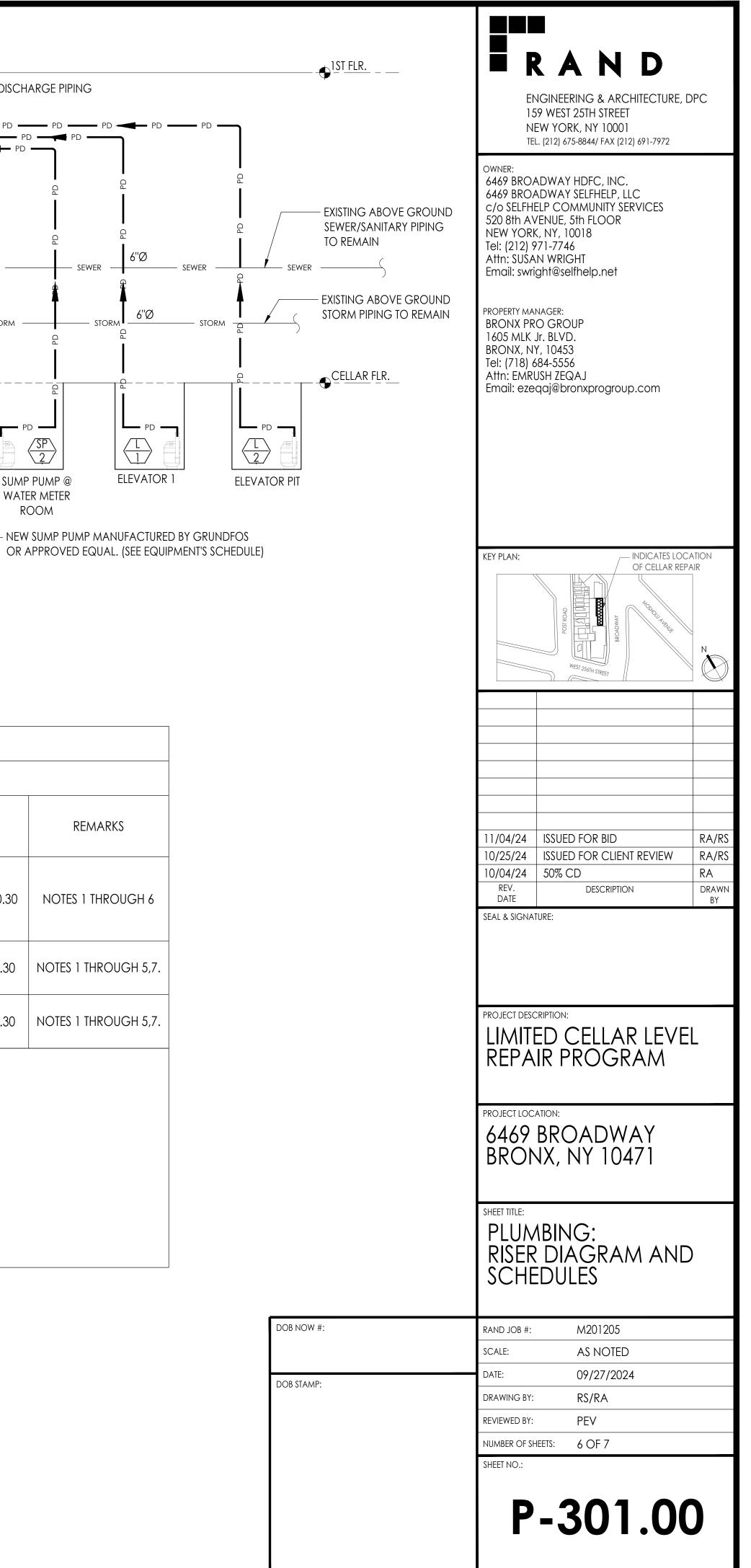
6. PUMPS TO BE INSTALLED IN A 60" DIAMETER X 72" DEEP FIBERGLASS PIT.

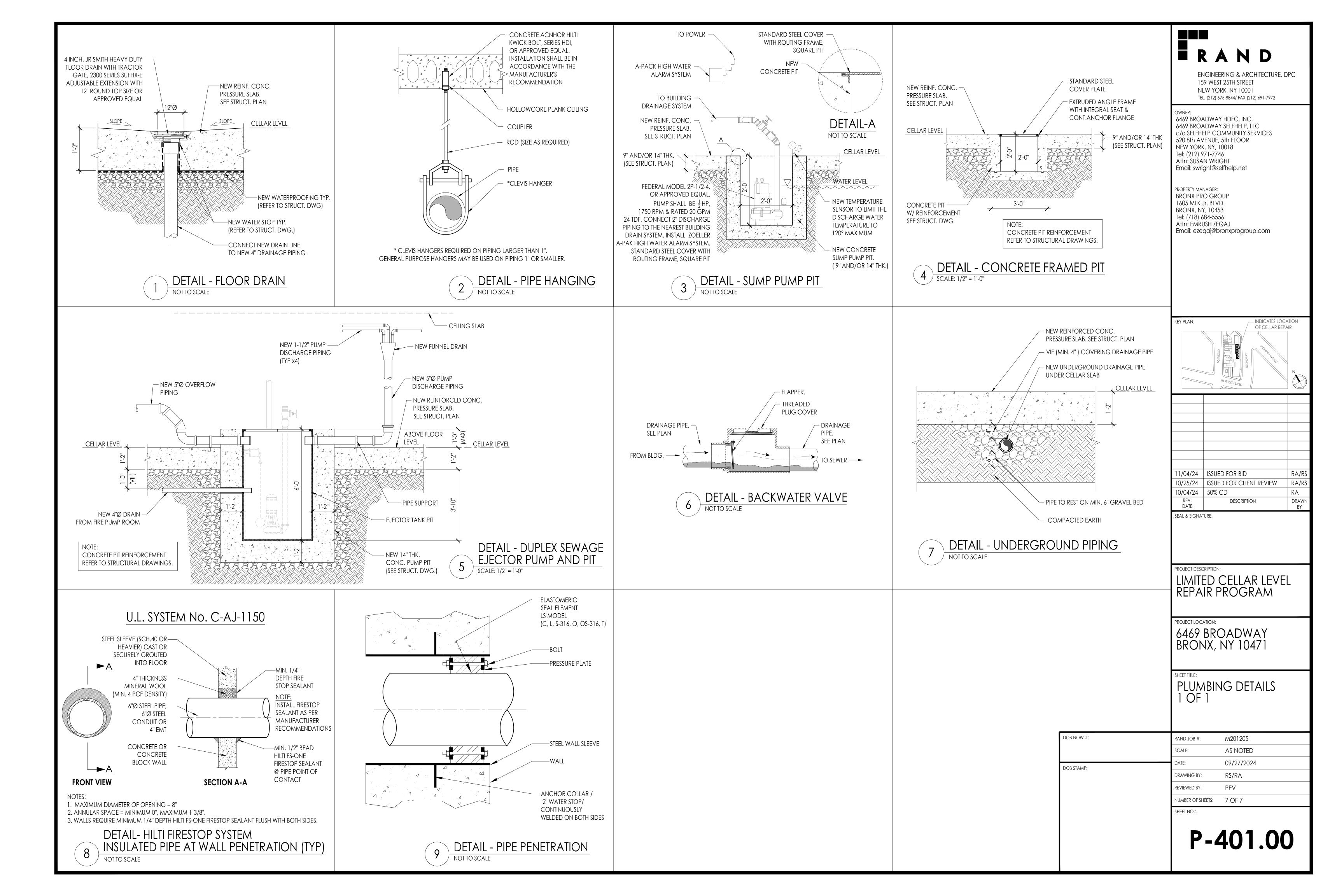
7. PUMP TO BE INSTALLED IN A 24"L X 24"W X 24"DEEP CONCRETE PIT.

PIPING & FITTINGS SCHEDULE

DESCRIPTION	SIZE	PIPE		FITTINGS	REMARKS	
DESCRIPTION	SIZE	TYPE	SCHEDULE	TYPE	KEIVIAKNJ	
DOMESTIC COLD WATER	UP TO 4"	COPPER	TYPE L	WROUGHT COPPER	SOLDERED 95/5	
DOMESTIC HOT WATER	UP TO 4"	COPPER	TYPE L	WROUGHT COPPER	SOLDERED 95/5	
SOIL, WASTE AND VENT (ABOVE GROUND)	ALL	CI	SERVICE WT	NO HUB CI	4 BAND CLAMPS	
SOIL, WASTE AND VENT (BELOW GROUND)	ALL	CI	SERVICE WT	HUB & SPIGOT CI		
STORM (ABOVE GROUND)	ALL	CI	SERVICE WT	NO HUB CI	4 BAND CLAMPS	
STORM (BELOW GROUND)	ALL	CI	SERVICE WT	HUB & SPIGOT CI		









Attachment D

Preliminary Work Schedule

0	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names	May June July August September Octobe 4/27 5/4 5/11/5/185/25 6/1 6/8 6/15/6/22/6/29 7/6 7/13/7/207/27 8/3 8/10/8/17/8/24/8/31 9/7 9/14/9/21/9/28/10/51
1		6469 Broadway	120 days	Mon 5/5/25	Wed 10/22/2			
2	÷	Mobilization	5 days	Mon 5/5/25	Fri 5/9/25			
3	-5	Installation of Shoring	10 days	Mon 5/12/25	5 Fri 5/23/25	2		
4	*	Dewatering	80 days	Tue 6/3/25	Wed 9/24/25	5		
5		Removal of CMU Walls	5 days	Tue 5/27/25	Mon 6/2/25	3		
6	-5	Slab Removal and Excavation of bedro	(45 days	Tue 6/3/25	Tue 8/5/25	5		
7	-5	Mud Slab and Waterproofing installation & Rough Plumbing	15 days	Wed 8/6/25	Tue 8/26/25	6		
8	- 5	Pressure Slab Work	20 days	Wed 8/27/25	5 Wed 9/24/25	7		
9	-5	Door Installation, CMU Wall rebuilding	g20 days	Thu 9/25/25	Wed 10/22/2	8		*
10	-5	Electrical Work	20 days	Thu 9/25/25	Wed 10/22/2	8		│
11		Plumbing Work	20 days	Thu 9/25/25	Wed 10/22/2	8		↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
12	->	Demobilization of Project (After Substiantial Completion)	5 days		Wed 10/29/25	11		

Schedule based on completion of Pre-Con phase during February and March 2025, is as follows (see Schedule A)

- * Shoring engineer needs 4 weeks to prepare the complete plans for submittal to RAND. Assuming RAND review then takes 2 weeks (however RAND may have comments requiring additional revisions.)
- * Shoring Engineer is also preparing the Tenant Protection Plan, which Jepol will submit to DOB asap as part of pre-con. scope is part of the line item 1 in schedule A cost.
- * Site logistics plan prepared by Jepol and the dewatering sub to coordinate location for the storage/filter tank.
- * Prior to DEP permit submittal, water in the cellar to be tested for contaminates. Application will assume 1000GPD. DEP Fee is based on volume.
- * DEP effort requires Jepol to bring temp electrical out at the street to run the filters.
- * Probes: 6" core drill to max depth of 30". Probes are done by Jepol staff and can be done as soon as Selfhelp is ready. Selfhelp to organize Tenant Notifications with Bronx Pro
- * DOT permit application will be submitted closer to Mobilization of project after DEP feedback on dewatering permit

	Task		Project Summary		Manual Task		Start-only	C	Deadline	÷
Project: 6469 Broadway_Prelimi	Split		Inactive Task		Duration-only		Finish-only	3	Progress	
Date: Thu 2/6/25	Milestone	•	Inactive Milestone	\$	Manual Summary Rollup		External Tasks		Manual Progress	
	Summary	00	Inactive Summary	0	Manual Summary	1	External Milestone	\diamond		
					Page 1					