

Date: 10/16/19

Examiner's Name: Toni Matias

BSA Calendar #: 2019-94-A

Electronic Submission: Email CD

Subject Property/

Address: 36 West 66th Street, Manhattan

Applicant Name Klein Slowick, PLLC on behalf of Landmark West!

Submitted by (Full Name): Michael Zoltan, Assistant General Counsel, Department of Buildings

A) The material I am submitting is for a case currently **IN HEARING**, scheduled for 12/17/19.
The reason I am submitting this material:

- Response to issues/questions raised by the Board at prior hearing
 Response to request made by Examiner
 Other: _____

Brief Description of submitted material: Letter statement on behalf of the Department of Buildings in response to issues raised by the Board during the 9/17/19 public hearing.

List of items that are being voided/superseded: _____

B) The material I am submitting is for a **PENDING** case. The reason I am submitting this material:

- Response to BSA Notice of Comments
 Response to request made by Examiner
 Dismissal Warning Letter

Brief Description of submitted material: _____

List of items that are being voided/superseded: _____

MASTER CASE FILE INSTRUCTIONS

- **Bind one set of new materials in the master case file**
- **Keep master case file in reverse chronological order (all new materials on top)**
- **Be sure to VOID any superseded materials (no stapling!)**
- **Handwritten revisions to any material are unacceptable**

10/17/2019

RECEIVED NYSCEF: 02/16/2021



Melanie E. La Rocca
Commissioner

October 16, 2019

Michael J. Zoltan
Assistant General Counsel
mzoltan@buildings.nyc.gov

280 Broadway, 7th Fl.
New York, NY 10007
www.nyc.gov/buildings

+1 212 393 2642 tel
+1 212 566 3843 fax

Honorable Members of the Board
Board of Standards and Appeals
250 Broadway, 29th Floor
New York, NY 10007

**RE: Cal. No. 2019-94-A
Premises: 36 West 66th Street, Manhattan
Block: 1118; Lot: 45**

Dear Honorable Members of the Board:

On September 17, 2019, the Board heard statements from Landmark West! ("Landmark West Appellants"), the Department of Buildings, and West 66th Sponsor LLC regarding the referenced appeal.

After entertaining a new argument proffered by Landmark West Appellants and bifurcating the instant appeal with the original arguments made in the appeal and in its' sister case (Cal. No. 2019-89-A), the Board requested that the Department review the proposed mechanical equipment in the Proposed Building. This submission is in reply to that request from the Board.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "m. j. z." followed by a stylized "j".

Michael J. Zoltan

cc: Constadino (Gus) Sirakis, P.E., First Deputy Commissioner
Martin Rehholz, R.A., Borough Commissioner, Manhattan
Scott Pavan, R.A., Borough Commissioner, Development HUB
Mona Sehgal, General Counsel
Felicia R. Miller, Deputy General Counsel
Susan Amron, General Counsel, Department of City Planning
Stuart Klein, Esq.
(On behalf of Landmark West Appellants)
David Karnovsky, Fried, Frank, Harris, Shriver & Jacobson LLP
(On behalf of West 66th Street Sponsor LLC)



Melanie E. La Rocca
Commissioner

October 16, 2019

Michael J. Zoltan
Assistant General Counsel
mzoltan@buildings.nyc.gov

280 Broadway, 7th Fl.
New York, NY 10007
www.nyc.gov/buildings

+1 212 393 2642 tel
+1 212 566 3843 fax

Honorable Members of the Board
Board of Standards and Appeals
250 Broadway, 29th Floor
New York, NY 10007

RE: Cal. No. 2019-94-A
Premises: 36 West 66th Street, Manhattan
Block: 1118; Lot: 45

Dear Honorable Members of the Board:

The Department of Buildings (the “Department”) respectfully submits this fourth statement in response to the referenced appeal by Klein Slowick, PLLC on behalf of Landmark West! (“Landmark West Appellants”), challenging the Department’s April 4, 2019 approval of a post-approval amendment application (the “PAA”) which changed the scope of permit 121190200-01-NB (the “Permit”) authorizing construction of a new building located at 36 West 66th Street New York, New York (the “Proposed Building”). Landmark West Appellants allege that the Department’s approval of the PAA is inconsistent with the New York City Zoning Resolution (the “ZR”).

On September 17, 2019, after entertaining a new argument proffered by Landmark West Appellants and bifurcating the instant appeal with its’ sister case (Cal. No. 2019-89-A), the Board requested that the Department review the proposed mechanical equipment in the Proposed Building.

I. THE MECHANICAL EQUIPMENT IN THE PROPOSED BUILDING WAS PROPERLY DEDUCTED FROM THE FLOOR AREA CALCULATIONS

During the September 17th, 2019 hearing, the Board requested that the Department review the Proposed Building’s mechanical equipment “in the same way that the Sky House¹ mechanical drawings were reviewed.” Specifically, the Board asked for the Department to provide the Board with approved sets of mechanical plans depicting the

¹ During the September 17, 2019 hearing, the Board and Landmark West Appellants referred to the “Sky House case.” This is a reference to 15 East 30th Street, Manhattan (BSA Cal. No. 2016-4327-A). A copy of that BSA decision was attached to the Department’s July 23, 2019 submission as Exhibit A.



Cal. No. 2019-94-A

Premises: 36 West 66th Street, Manhattan

October 16, 2019

Page 2 of 5

mechanical equipment in the Proposed Building and a description of the mechanical equipment housed in the floors dedicated to mechanical equipment and thereby deducted from the Proposed Building's floor area pursuant to Exception 8 of the ZR § 12-10 definition of "floor area."

In *15 East 30th*, after a similar request from the Board, the Department provided the Board with a brief description of the proposed mechanical equipment in that building. The Board described that submission as:

...WHEREAS, DOB states that, based upon its review, the architectural and mechanical plans for the Proposed Building show mechanical space sufficient to justify its exemption from floor area as follows: the second floor contains an emergency generator and switchboard, cooling towers, primary cold-water pumps, secondary condenser water-loop pumps, an expansion tank, heat exchangers and an air separator; the third floor has a cogeneration power plan, a precipitator, boilers, hot-water pumps, an air separator, an expansion tank, heat exchangers, part of the indoor cooling towers from the second floor and other equipment; and the fourth floor includes domestic hot water pumps, domestic-water heat-exchanger units, air handler units, fan units and other equipment...²

With that description and analysis as a model, the Department submits this description and analysis of the mechanical equipment in the Proposed Building to verify that the mechanical equipment was properly deducted from floor area and that the Permit was properly issued.

A. The Total Number of Floors Devoted to Mechanical Equipment Deducted from Floor Area for the Proposed Building, Is Appropriate

As can be seen on the 2019 Zoning Diagram (the "2019 ZD1"),³ the only stories devoted exclusively to mechanical equipment are the first floor mezzanine, the 15th floor, the 17th floor, the 18th floor, the 19th floor, and the roof.⁴ The Board asked the Department to review whether

² *15 East 30th Street*, at 4.

³ A copy of the 2019 ZD1 was attached to Landmark West Appellants' May 14, 2019 submission to the Board as Exhibit C.

⁴ During the September 16, 2019 Executive Session and during the September 17, 2019 public hearing there was discussion concerning additional floors of mechanical equipment introduced to satisfy Department objections concerning the height of mechanical floors. To set the record straight, no new floors devoted to mechanical equipment were added to satisfy the Department's objections. The Zoning Diagram dated July 26, 2018 (the "2018 ZD1") depicts the same number of mechanical floors as the subsequent 2019 ZD1. The pertinent difference between the two ZD1s is the floor-to-ceiling height distributed between the 17th, 18th, and 19th floors. Before the amendment, the three floors were wholly devoted to mechanical equipment and after the amendment they were devoted to the same amount of mechanical equipment. The amount of floors containing mechanical equipment did not change—just their respective floor-to-ceiling heights. A copy of the 2018 ZD1 is hereby attached for comparison as Exhibit A.



Cal. No. 2019-94-A

Premises: 36 West 66th Street, Manhattan

October 16, 2019

Page 3 of 5

the number of floors devoted exclusively to mechanical equipment was typical for buildings of a similar nature.

The Department has reviewed the mechanical drawings for the Proposed Building and has concluded that the floor space on such floors is devoted to housing the mechanical equipment of the Proposed Building and those floors cannot be occupied for purposes other than the housing of such equipment. As such, the floor space devoted to mechanical equipment is properly exempt from the zoning floor area.

With regard to the Board's request to compare the amount of floors deducted with similarly situated buildings, this is not an analysis that the Department typically makes since each building is reviewed individually based on its unique characteristics and needs. For instance, similarly sized buildings may have different amounts of mechanical equipment based on the design of the building and different energy efficiency goals of different applicants.

In any event, the Department submits that the amount of stories devoted entirely to mechanical equipment in the Proposed Building is consistent with similarly sized buildings.

B. The Stories Devoted Entirely to Mechanical Equipment Do Contain Sufficient Mechanical Equipment to be Deducted

Using the *15 East 30th Street* case as a blueprint, a description of the mechanical equipment included in the Proposed Building includes:

- **First Floor Mezzanine:** Expansion tanks, hot water heat exchangers, cold water heat exchangers, air separators, electric cabinet unit heaters, a pipe fan coil unit, an electric unit heater, water source heat pumps, and exhaust louvers;
- **The 15th Floor:** A storm water detention tank, electrical switchboard, electric unit heaters, water source heat pumps, fan units, a duct heater, an electric humidifier, energy recovery unit (water source heat pump), an emergency generator, an exterior lighting dimmer rack, intake sound attenuators, and a sheet metal plenum behind louver;
- **The 17th Floor:** Boilers, electric unit heaters, water source heat pumps, fan units, a 2-pipe fan coil unit, hot water expansion tanks, air separators, hot water pumps, hot water heat exchangers, an air handler unit, an air intake louver, an exhaust louver, and pipe chase containing the elevator smoke vent and the elevator shaft supply duct passing through the floor;
- **The 18th Floor:** A water-cooled direct expansion air conditioning (DX) unit, cold water pumps; cold and hot water pumps, expansion tanks, air separators, water source heat pumps, electric unit heaters, electric panels, water cooled chillers, fan units, heat exchangers, an exhaust louver, and an intake louver;



Cal. No. 2019-94-A

Premises: 36 West 66th Street, Manhattan

October 16, 2019

Page 4 of 5

- **The 19th Floor:** A fire reserve storage tank, water source heat pumps, energy recovery units (water source heat pumps), fan units, an electric humidifier, electric unit heaters, an intake louver, and an exhaust louver.⁵

Furthermore, in an effort to clarify the extent of all of the mechanical equipment in the Proposed Building to the Board, the Department requested that the Owner condense all of the submitted and approved plans overlaid on one set of plans. The compilation of approved plans and equipment merged into a single drawing is attached as Exhibit C.⁶

The Board also asked the Department to state what type of mechanical equipment is located on other floors of the building—floors containing principle uses where only a portion of the floor was deducted for mechanical equipment. These floors primarily contain principle residential use and the floor space containing mechanical equipment deducted is used for plumbing and gas pipe risers and chases including their enclosures. On the 16th floor, in addition to these omnipresent plumbing and gas pipe risers and chases, are a low-rise EMR, HVAC ducts and associated equipment, air-handler units, fan units, and an A/V control system room.⁷

Landmark West Appellants assert that the Proposed Building does not contain sufficient mechanical equipment to justify whole floor deductions from floor area. However, the above description of proposed mechanical equipment, coupled with the approved plans detailing the meticulous layout of such equipment, tell an entirely different story. Accordingly, the Department acted appropriately in deducting the floors containing mechanical equipment from the Proposed Building's floor area and the Permit was properly issued.

⁵ A copy of the approved plans displaying the sprinkler, plumbing, and mechanical equipment for the referenced floors is attached as Exhibit B.

⁶ It should be noted that this version, submitted by the Owner on October 11, 2019, was not submitted to the Department in the context of plan approval, but rather to help clarify the configuration of mechanical equipment on the relevant floors in the context of this appeal. It should be noted that although the second page contains a DOB plan examination stamp, this is because the Owner used the previously approved plans as a baseline and turned on further CAD layers so that multiple sets of approved drawings all appeared within the same set of drawings. While the Department never approved a single drawing depicting all of the levels of mechanical equipment (mechanical, plumbing, sprinkler, electrical) the Department did review and approve all of the individual components (see Exhibit B).

⁷ A breakdown of each individual floor's mechanical space floor area deduction can be gleaned from the 2019 ZD1 by comparing the "Building Code Gross Floor Area" with the "Residential Zoning Floor Area." The difference between these numbers is indicative of the zoning floor area deductions taken per floor.



Cal. No. 2019-94-A

Premises: 36 West 66th Street, Manhattan

October 16, 2019

Page 5 of 5

II. CONCLUSION

Based on the foregoing, the Department respectfully requests that the Board affirm the determination to issue the Permit.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "m. j. zoltan".

Michael J. Zoltan

cc: Constadino (Gus) Sirakis, P.E., First Deputy Commissioner
Martin Rehholz, R.A., Borough Commissioner, Manhattan
Scott Pavan, R.A., Borough Commissioner, Development HUB
Mona Sehgal, General Counsel
Felicia R. Miller, Deputy General Counsel
Susan Amron, General Counsel, Department of City Planning
Stuart Klein
(On behalf of Landmark West Appellants)
David Karnovsky, Fried, Frank, Harris, Shriver & Jacobson LLP
(On behalf of West 66th Street Sponsor LLC)

ZONING CALCULATIONS**SITE PLAN**

Scale: 1/64" = 1'-0"

ZONING DISTRICT: C4-7 (R10 EQUIVALENT)
 R8
 SPECIAL LINCOLN SQUARE DISTRICT
 SUBDISTRICT A
 MAP: 8C
 BLOCK: 1118
 LOT: 14, 45, 46, 47, 48 & 52

LOT AREA: C4-7 DISTRICT = 35,105 SF
 R8 DISTRICT = 19,582 SF
 TOTAL LOT AREA = 54,687 SF

NO PARKING REQUIRED WITHIN MANHATTAN CORE AS PER ZR
 13-10, NONE PROVIDED

STREET TREE PLANTING AS PER ZR 26-41 & 33-03

4) ZONING FLOOR AREA**a. Floor Area Permitted****C4-7 District (R10 equivalent)**

33-122	Commercial	10 FAR	351,050.00 SF
33-123	Community Facility	10 FAR	351,050.00 SF
23-152, 23-16	Residential	10 FAR	351,050.00 SF
23-154	Inclusionary Bonus (see below)	2 FAR	70,210.00 SF
35-31	Res. with Inclusionary (see below)	12 FAR	421,260.00 SF
	Max. Total		421,260.00 SF

	R8 District		
23-151	Community Facility	6.5 FAR	127,283.00 SF
24-11	Residential (See HF Calcs. Z-013)	5.92 FAR	115,925.44 SF
	Max. Total	6.5 FAR	127,283.00 SF

Total All Districts

Commercial	351,050.00 SF
Community Facility	478,333.00 SF
Residential w/ Inclusionary	537,185.44 SF
Max. Total	548,543.00 SF

b. Inclusionary Housing Bonus in C4-7

23-154	Base Residential	10 FAR	351,050.00 SF
	Max. Inclusionary Bonus	2 FAR	70,210.00 SF
	Max. Residential with Inclusionary	12 FAR	421,260.00 SF
	Low Income Floor Area Provided		70,210.00 SF
	Off-site, see HPD Certificates and Table 1 on Z-001		
	Base Residential		351,050.00 SF
	Actual Inclusionary Bonus		70,210.00 SF
	Actual Residential with Inclusionary		421,260.00 SF

c. Floor Area Proposed**C4-7 District (R10 equivalent)**

<u>Existing Lot 52</u>	
Commercial	43,053.00 SF
(See Alt. 1 #120422729)	
<u>Proposed</u>	
Community Facility	6,350.89 SF
Residential	37,855.27 SF
Total	378,206.16 SF
<u>C4-7 Total</u>	
Commercial	43,053.00 SF
Community Facility	6,350.89 SF
Residential	37,855.27 SF
Total	421,259.16 SF

R8 District

<u>Proposed / R8 Total</u>	
Community Facility	16,054.60 SF
Residential	111,227.78 SF
Total	127,282.38 SF

Total both Zones

Commercial	43,053.00 SF
Community Facility	22,405.49 SF
Residential	483,083.05 SF
Total	548,541.54 SF

RESIDENTIAL FAR CALCULATIONS IN R8

12-10 Open Space shall not be included in Lot Coverage

23-151 Residential**Height Factor for Residential FAR**

a. H.F. for FAR = Total Floor Area / Total Lot Coverage

$$\text{H.F. for FAR} = 127,282 \text{ SF} / 8,899 \text{ SF} = 14$$

$$\text{FAR @ H.F. 14} = 5.92$$

OPEN SPACE CALCULATIONS IN R823-151 a. Height Factor for OSR

24-163 H.F. for OSR = Residential FA / Residential Lot Coverage

$$\text{H.F. for OSR} = 111,228 \text{ SF} / 8,899 \text{ SF} = 12$$

b. Required Open Space

$$\text{Open Space Ratio @ H.F. 12} = 9.2\%$$

$$\text{Min. Open Space} = 111,228 \times 0.092 = 10,233 \text{ SF}$$

c. Open Space Provided = 10,635 SF Complies**d. Open Space at Grade**

12-10 Open space at grade shall be accessible and usable by all residential occupants.

e. Open Space on Roof

12-10 - Open Space on roof in R8 need not be accessible

12-10 - No dimension less than 25' except that area adjoining street line or rear yard min. depth 9' and max. length min. 2 times depth (or full width of zoning lot or 50', whichever is less).

24-16 Open Space permitted on roof of community facility

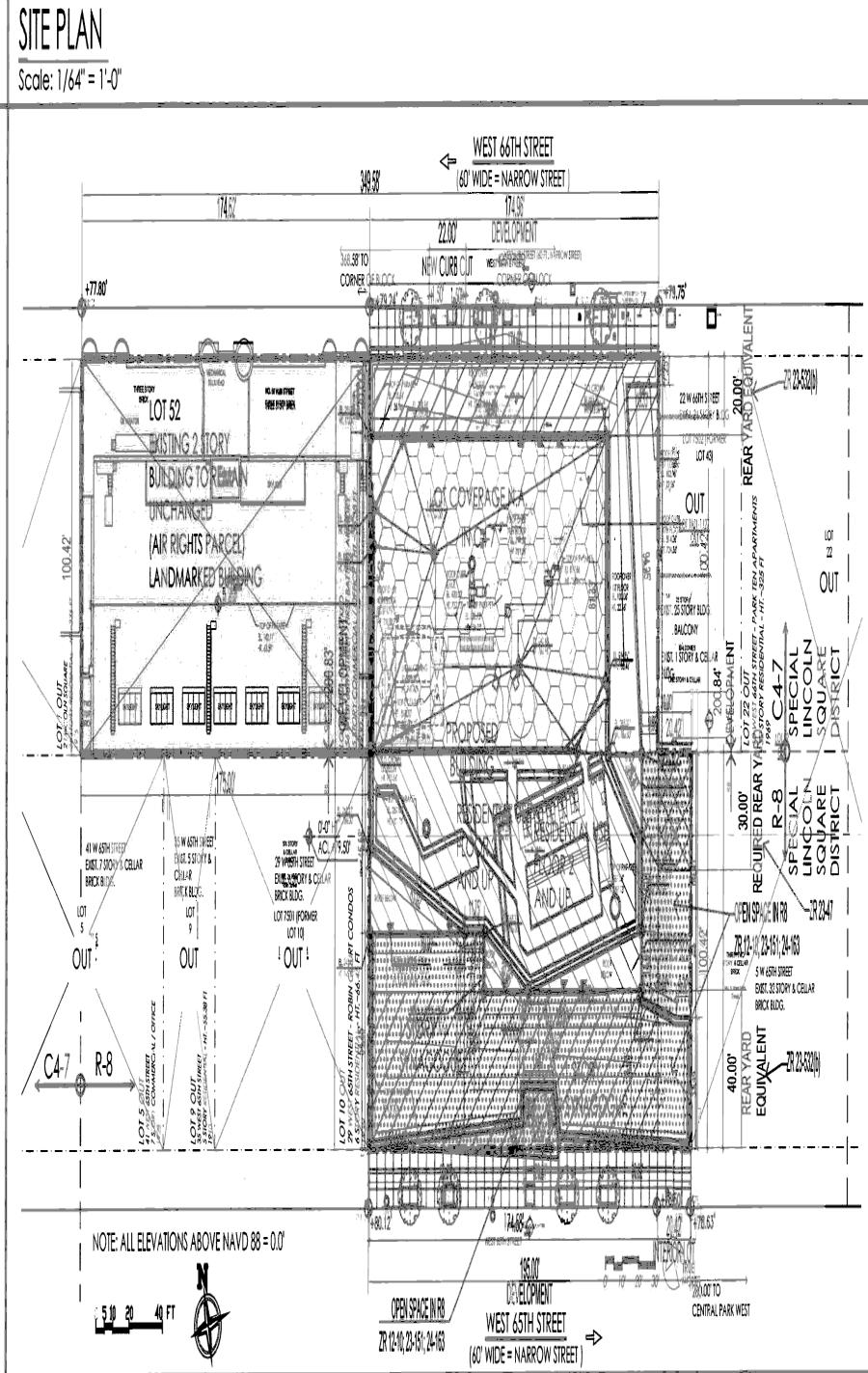
COMMUNITY FACILITY COVERAGE IN R8

24-11 Max. 65% Community Facility Coverage in R8 Zone

$$19,582 \text{ SF} \times 65\% = 12,728 \text{ SF}$$

Provided 0 SF Complies

24-12 Community Facility use below 23' may be excluded from Lot Coverage

**ZD1 Zoning Diagram**

Submitted to resolve objections
stated in a notice of intent to revoke
issued pursuant to rule 101-15.
 YES NO

Location Information

House No(s) 36

Street Name West 66th Street

Borough Manhattan

Block 1118

Lot 45

Bin 1028168

Falsification of any statement is a misdemeanor and is punishable by a fine or imprisonment, or both. It is unlawful to give to a city employee, or for a city employee to accept, any benefit, monetary or otherwise, either as a gratuity for properly performing the job or in exchange for special consideration. Violation is punishable by imprisonment or fine or both. I understand that if I am found after hearing to have knowingly or negligently made false statement or to have knowingly or negligently falsified or allowed to be falsified any certificate, form, signed statement, application, report or certification of the correction of a violation required under the provisions of this code or of a rule of any agency, I may be barred from filing further applications or documents with the Department.

NAME (PLEASE PRINT)

Luigi P. Rossi

SIGNATURE

DATE

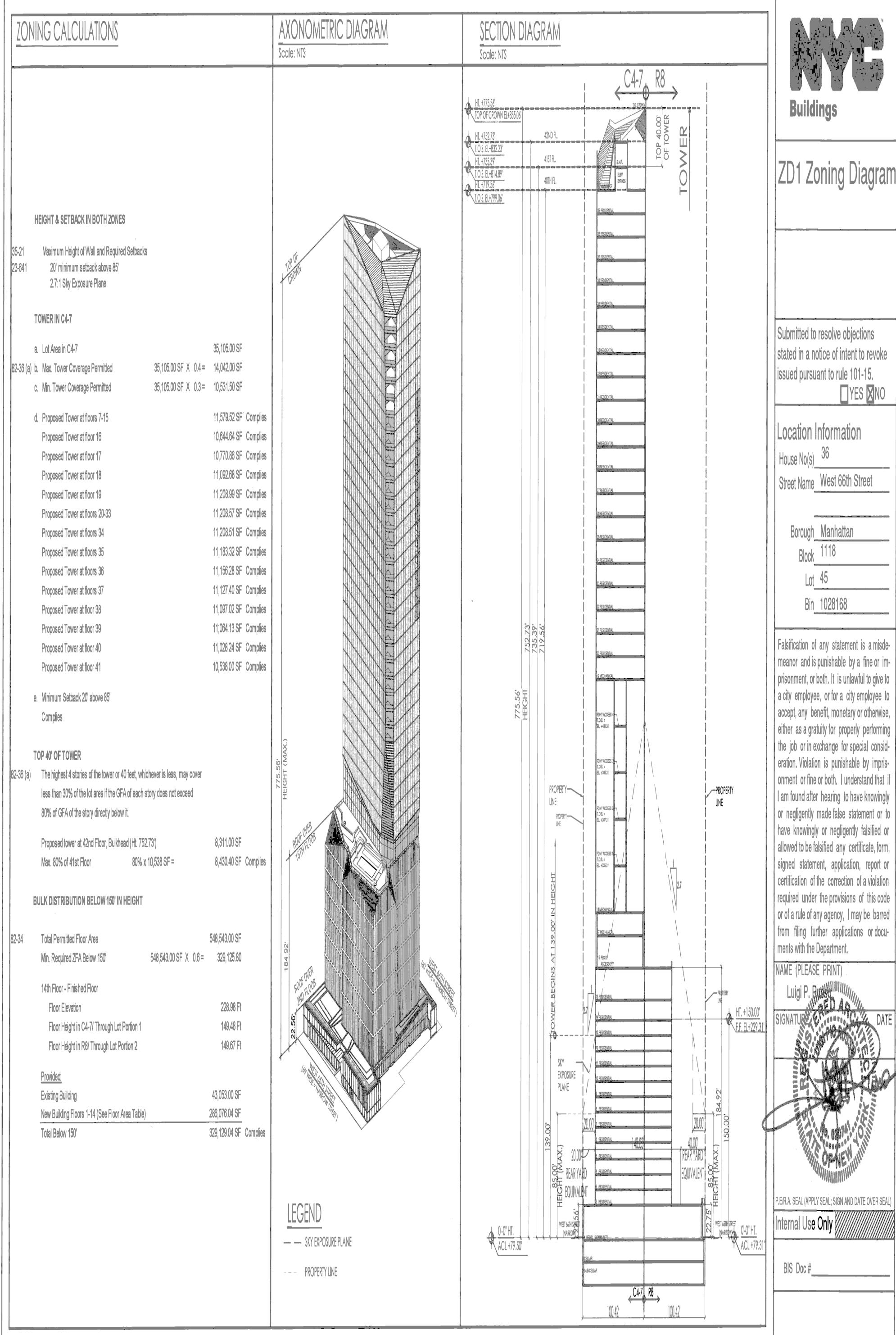


P.E.R.A. SEAL (APPLY SEAL, SIGN AND DATE OVER SEAL)

Internal Use Only

BIS Doc # _____

PLAN EXAMINERS SIGN AND DATE
R. 002425





ZD1 Zoning Diagram

Must be typewritten.
Sheet 2 of 2

ZD1

Sheet 2 of 2

1 Applicant Information Required for all applications.

Last Name Russo	First Name Luigi	Middle Initial
Business Name SLCE Architects, LLP		Business Telephone (212) 979-8400
Business Address 1359 Broadway, 14th Floor		Business Fax (212) 979-8387
City New York	State NY	Zip 10018
		Mobile Telephone
E-Mail lrusso@slcsearch.com		License Number 020741

2 Additional Zoning Characteristics Required as applicable.

Dwelling Units 127	Parking area	sq. ft.	Parking Spaces: Total	Enclosed

3 BSA and/or CPC Approval for Subject Application Required as applicable.

Board of Standards & Appeals (BSA)

<input type="checkbox"/> Variance	Cal. No. _____	Authorizing Zoning Section 72-21
<input type="checkbox"/> Special Permit	Cal. No. _____	Authorizing Zoning Section _____
<input type="checkbox"/> General City Law Waiver	Cal. No. _____	General City Law Section _____
<input type="checkbox"/> Other	Cal. No. _____	

City Planning Commission (CPC)

<input type="checkbox"/> Special Permit	ULURP No. _____	Authorizing Zoning Section _____
<input type="checkbox"/> Authorization	App. No. _____	Authorizing Zoning Section _____
<input type="checkbox"/> Certification	App. No. _____	Authorizing Zoning Section _____
<input type="checkbox"/> Other	App. No. _____	

4 Proposed Floor Area Required for all applications. One Use Group per line.

Floor Number	Building Code Gross Floor Area (sq. ft.)	Use Group	Zoning Floor Area (sq. ft.)			FAR
			Residential	Community Facility	Commercial	
SUB	27,751.62	2B	0			0
SUB	9,362.04	4A		0		0
CEL	27,721.93	2B	0			0
CEL	9,391.64	4A		0		0
001	9,370.60	2	8,923.74			0.16
001	22,405.49	4A		22,405.49		0.41
MEZ1	1,691.49	2	910.32			0.02
MEZ1	2,020.23	4A		0		0
002	20,478.30	2	19,507.39			0.36
003	20,478.30	2	19,509.56			0.36
004	20,478.30	2	19,509.56			0.36
005	20,478.30	2	19,509.56			0.36
006	20,478.30	2	19,531.26			0.36

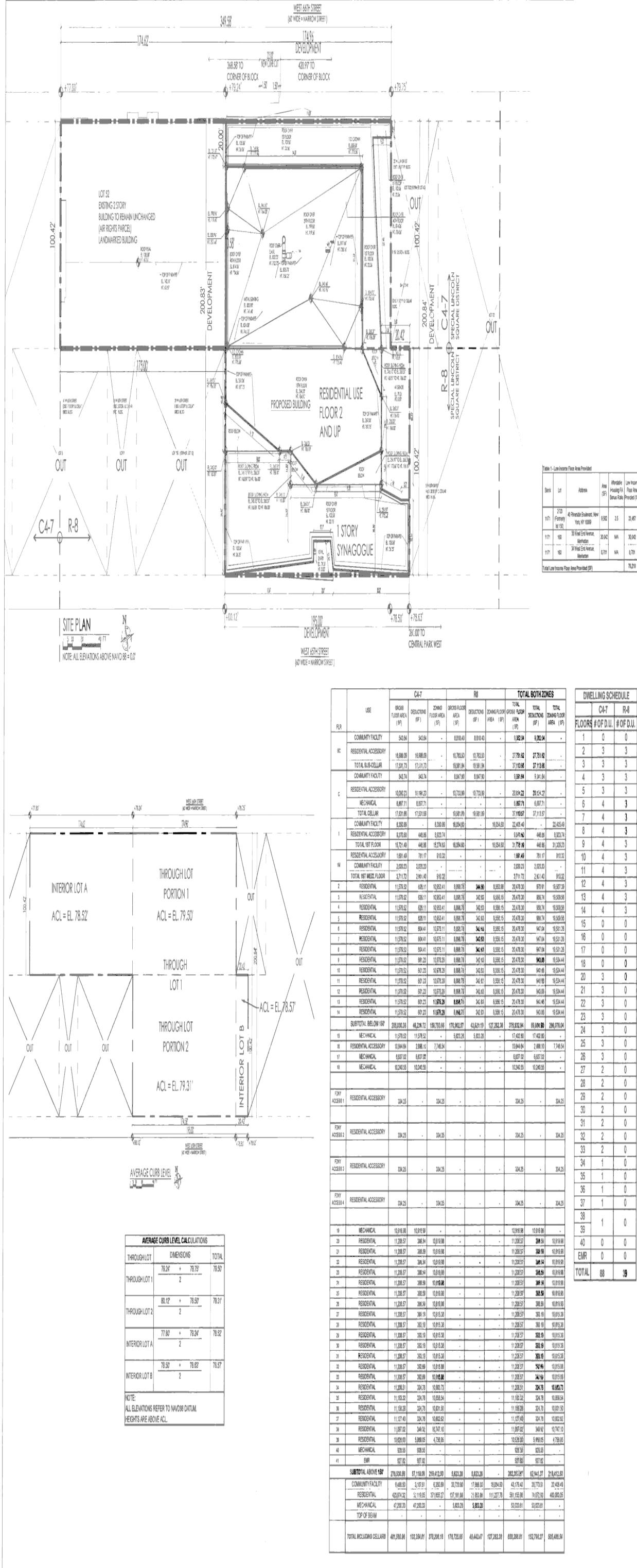
4 Proposed Floor Area Required for all applications. One Use Group per line.

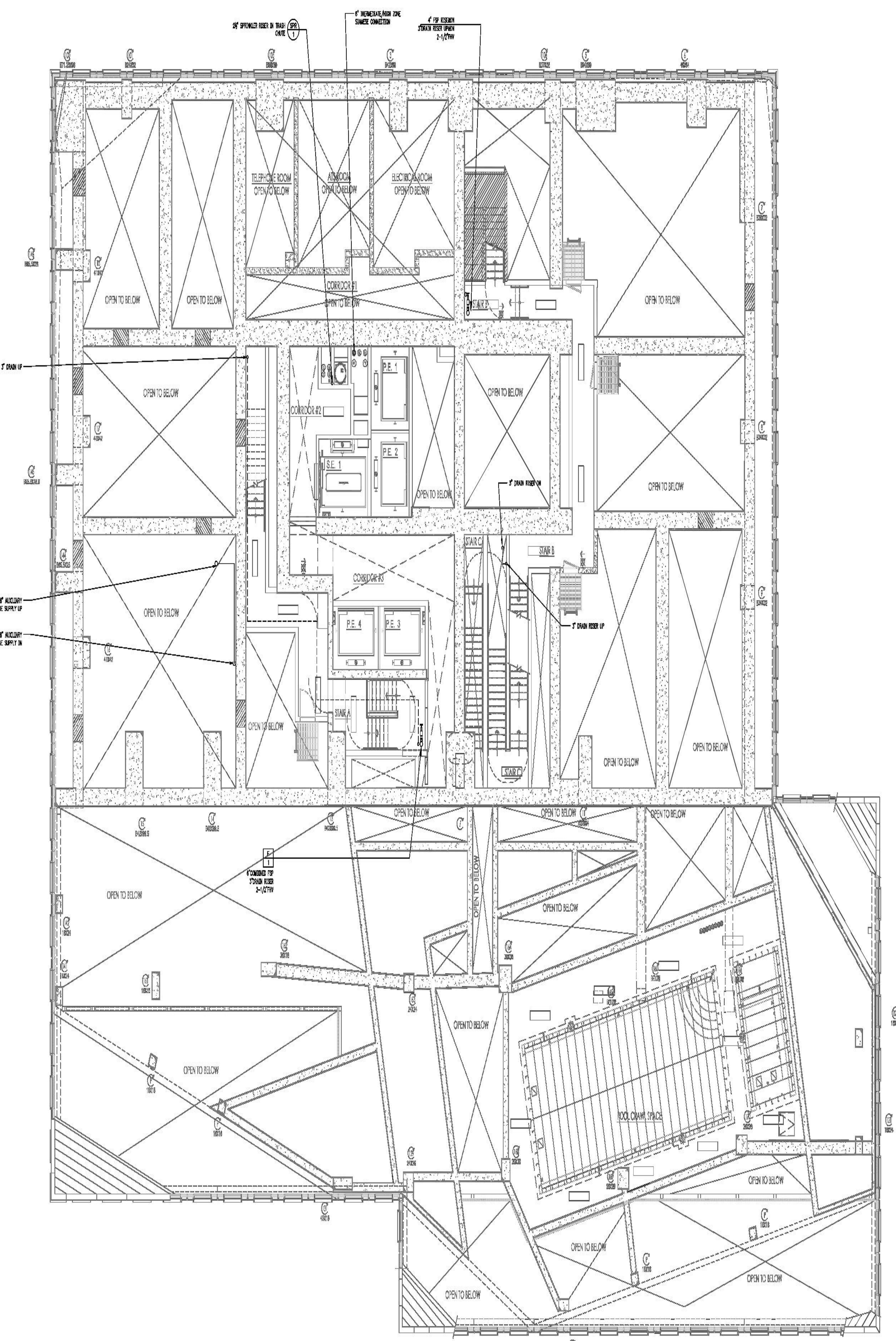
Floor Number	Building Code Gross Floor Area (sq. ft.)	Use Group	Zoning Floor Area (sq. ft.)				FAR
			Residential	Community Facility	Commercial	Manufacturing	
007-008	40,956.60	2	39,062.52				0.71
009-014	122,869.80	2	117,206.64				2.14
015	17,402.80	2	0				0
016	10,644.64	2B	7,746.54				0.14
017	6,637.02	2	0				0
018	10,240.55	2	0				0
FDNY AC 1	334.25	2	334.25				0.01
FDNY AC 2	334.25	2	334.25				0.01
FDNY AC 3	334.25	2	334.25				0.01
FDNY AC 4	334.25	2	334.25				0.01
019	10,916.98	2	0				0
020-026	78,459.99	2	75,739.86				1.38
027-031	56,042.85	2	54,076.90				0.99
032-033	22,417.14	2	21,631.76				0.40
034	11,208.58	2	10,883.73				0.20
035	11,183.38	2	10,858.54				0.20
036	11,156.28	2	10,831.50				0.20
037	11,127.40	2	10,802.62				0.20
038	11,097.02	2	10,747.10				0.20
039	10,626.00	2	4,756.95				0.09
040	928.55	2	0				0
041	927.82	2	0				0
Totals	658,286.81		483,083.05	22,405.49			9.24

Total Zoning Floor Area	505,488.54
-------------------------	------------

07/09

R.002427





WEST 66TH STREET

34 WEST 66TH STREET, NEW YORK, NY

OWNER/DEVELOPER:

West 66th Investor, LLC

c/o Paul Hastings, LLP

75 FAIR ST JOHN STREET

NEW YORK, NY 10038

T: 212.316.6618

F: 212.316.6000

PERM ARCHITECT:

SLCEArchitects, LLP

159 BROADWAY NEW

YORK, NY 10036

T: 212.774.0012

F: 212.774.0589

DESIGN ARCHITECT:

Sternbach

60 PINE STREET, 10TH FLOOR

NEW YORK, NY 10006

TEL: (646) 383-4121

FAX: (646) 383-4122

STRUCTURAL ENGINEER:

MCNAMARA, SALVIA

42 West 45th Street, 11th Floor

New York, NY 10036

TEL: (212) 246-9600

FAX: (212) 246-9600

MEP ENGINEER:

ICOR CONSULTING

ENGINEERS

405 PARK AVENUE SOUTH, SUITE 900

NEW YORK, NY 10016

TEL: (212) 272-3000

FAX: (212) 272-4440

GEOTRICAL ENGINEER:

Langen Engineering

1000 Avenue of the Americas

New York, NY 10019

TEL: (212) 589-0866

FAX: (212) 589-0866

PAKAGE CONTRACTOR:

Heights & Associates

405 Park Avenue South, Suite 900

New York, NY 10016

TEL: (212) 589-0866

PAKAGE MAINTAINANCE:

ENTEC

ENGINEERING LLC

CONTRACTORS

50 Avenue Street, New York, NY 10006

TEL: (212) 963-0400

FAX: (212) 963-0400

ELEVATOR CONTRACTOR:

vda

Delivering Vertical Transportation Solutions Worldwide

Phone: 619-454-4200 Fax: 619-454-4200

Email: info@vdavision.com

125 High Street, Suite 2000

San Diego, CA 92101

INTERIOR DESIGNER:

SHAMIR SHAH DESIGN

27 West 45th Street, Suite 604

New York, NY 10036

TEL: (212) 274-7325

INTERIOR DESIGNER:

AB CONCEPT

31/F GLOBAL GARDEN TOWER,

33 WING HONG STREET,

KOW LOON, HONG KONG

TEL: (852) 2555-5465

POOL CONTRACTOR:

TRACE POOL DESIGN

A Division of Living Associates LLC

333 WISCHER AVENUE

WILKESBARRE, PA 18701

TEL: (570) 241-1115

LIGHTING DESIGNER:

FOCUS LIGHTING

201 West 18th Street

New York, NY 10011

TEL: (212) 655-1565

LIGHTING DESIGNER:

FILAMENT33 INC

919 CERNAHORN AVE

PHILADELPHIA, PA 19116

TEL: (444) 674-0133

AUDIO VISUAL & TELECOMMUNICATIONS:

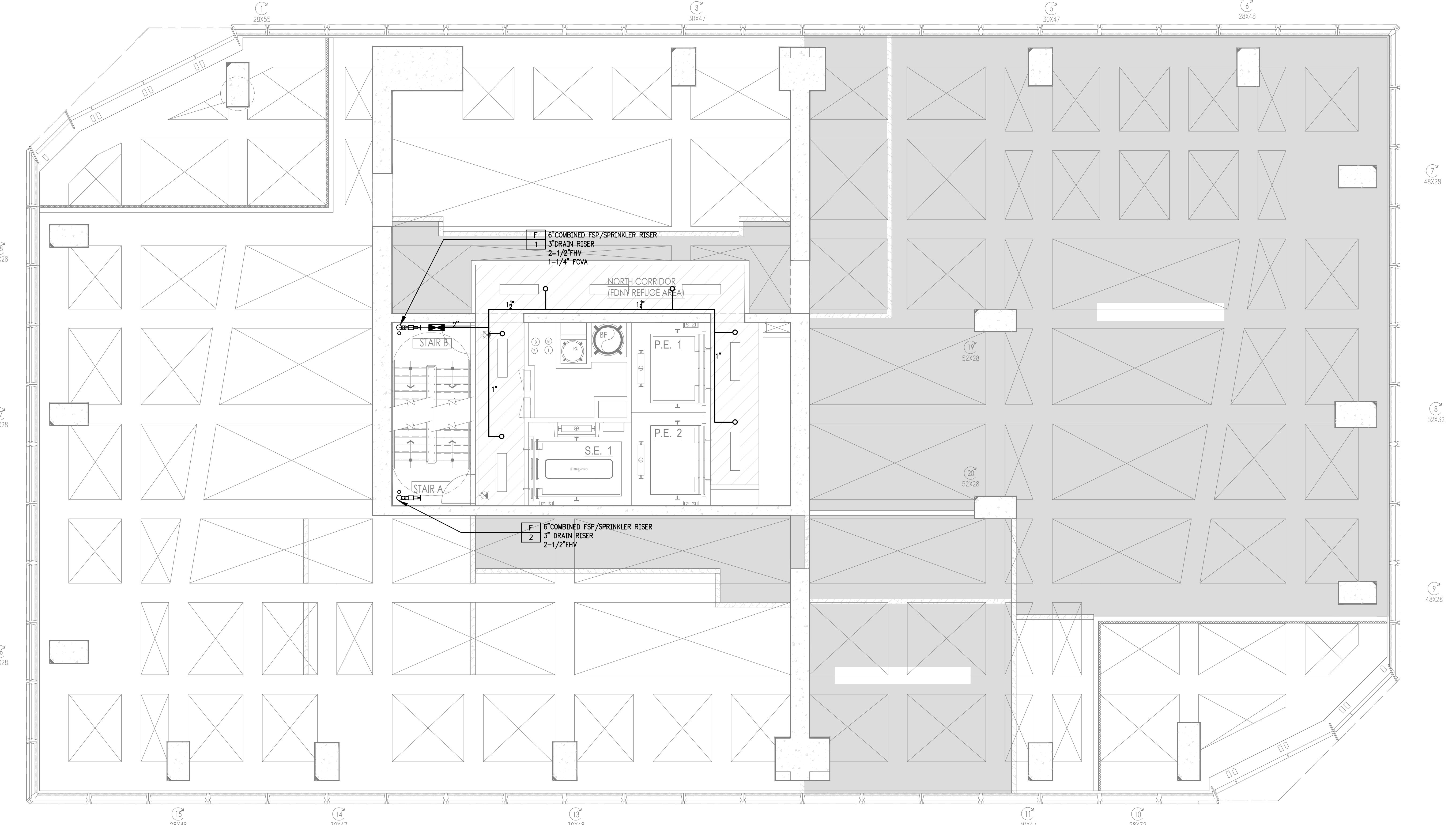
Cerami

401 HEN AVENUE 10TH FLOOR

NEW YORK, NY 10019

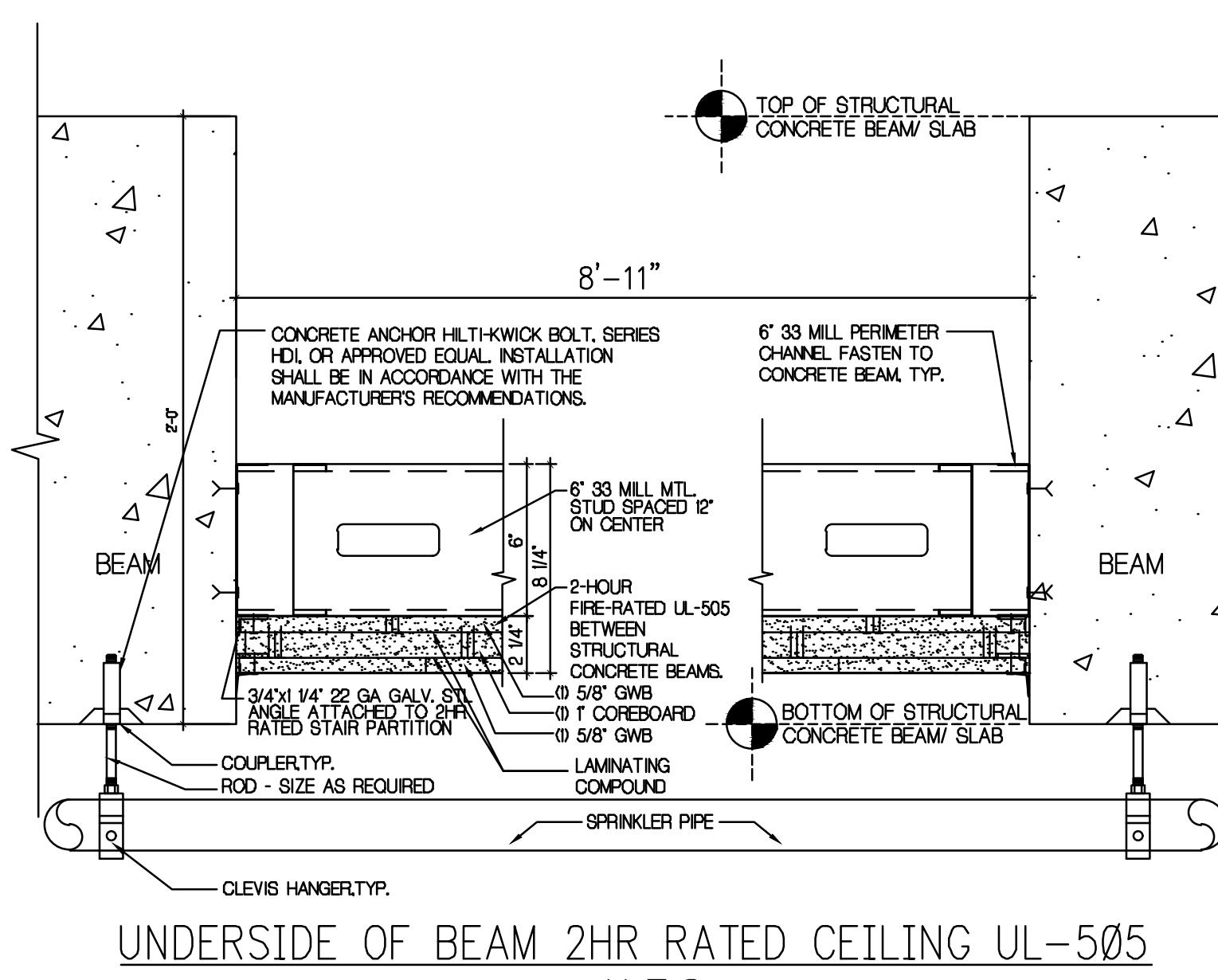
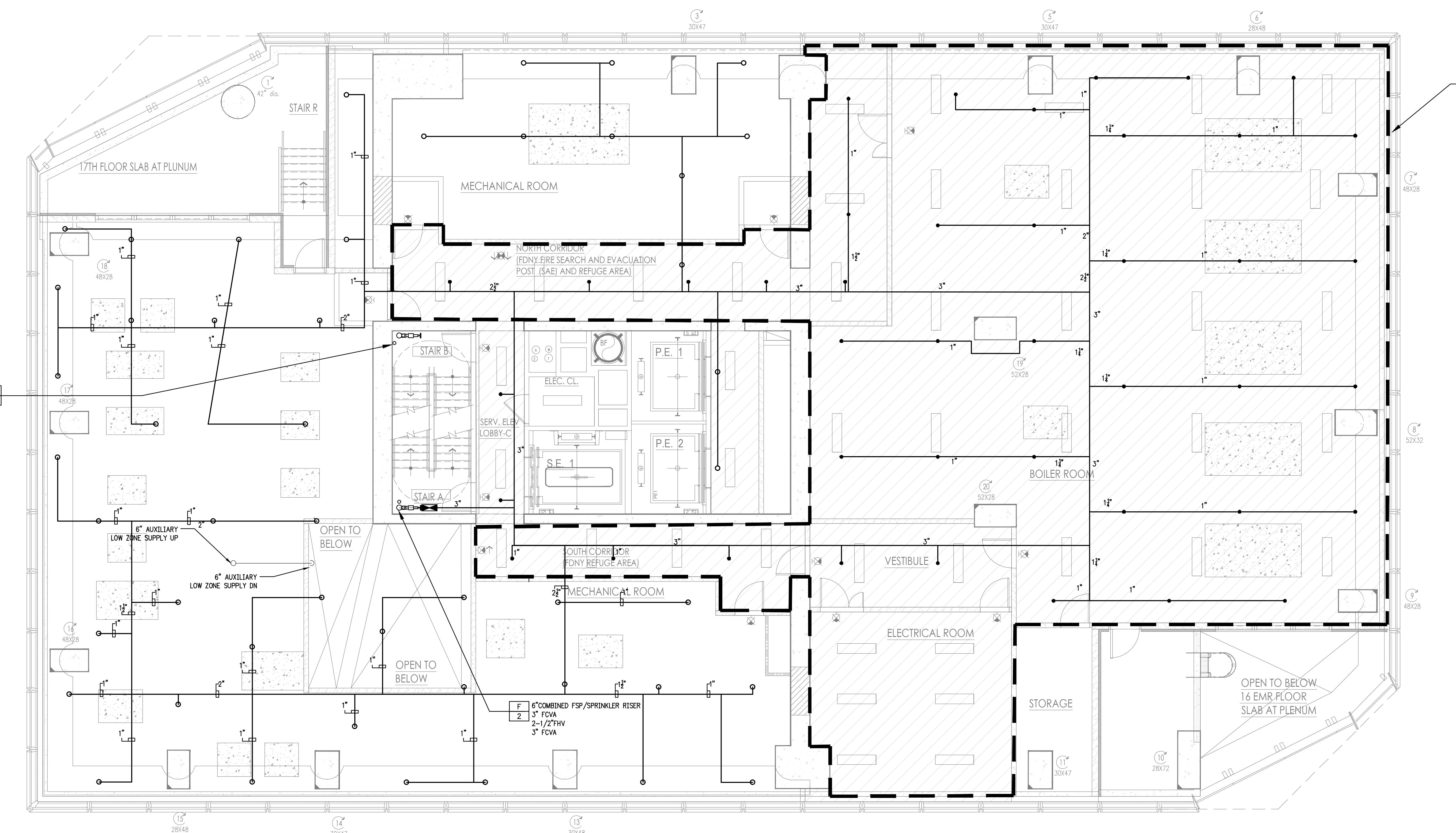
TEL: (212) 520-1776

— 11/1/2018 8:30:30 AM 0:00



2 17TH FL FDNY ACCESS 1 SPRINKLER & STANDPIPE PLAN (SPRINKLERS @ +319.31')

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

UNDERSIDE OF BEAM 2HR RATED CEILING UL-505
N.T.S.

1 17TH FLOOR SPRINKLER & STANDPIPE PLAN (SPRINKLERS @ +303.31')

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

WEST 66TH STREET

36 WEST 66TH STREET, NEW YORK, NY

OWNER/DEVELOPER:
West 66th Investor, LLC
c/o Paul Hastings, LLP75 EAST 55TH STREET
NEW YORK, NY 10022
T: (212) 318-4688
F: (212) 318-4600EXECUTIVE ARCHITECT:
SLCEArchitects, LLP
1359 BROADWAY NEW YORK, NY 10018 TEL: (212) 979-8400 FAX: (212) 979-8387DESIGN ARCHITECT:
Singheta &
80 PINE STREET, 10TH FLOOR
New York, NY 10004
TEL: (646) 383-4767STRUCTURAL ENGINEER:
McNAMARA . SALVIA
62 West 45th Street, 11th Floor
McNAMARA . SALVIA Tel (212) 246.9800MEP ENGINEER:
ICOR CONSULTING
ENGINEERS
485C ROUTE 1 SOUTH, SUITE 200
SELM, NJ 08876
TEL: (908) 272-3300
FAX: (908) 272-4440GEOTECHNICAL ENGINEER:
Langan Engineering
River Drive Center I
619 River Drive
Erlwood Park, NJ 07407
TEL: (201) 794-0366FAÇADE CONSULTANT:
Heintges & Associates
440 Park Avenue South, 15th Fl.
New York, NY 10016
TEL: (212) 652-2966FAÇADE MAINTENANCE:
ENTEK
ENGINEERING LLC
CONSULTING ENGINEERS
165 Ames Street, Hackensack, NJ 07601
Ph. (201) 820-2801 Fax: (201) 820-2804ELEVATOR CONSULTANT:
vda
Delivering Vertical Transportation
Solutions Worldwide
P. One 313-484-8220 • F. 313-884-2359
e. all.vda@vda.vca.com
120 Empire River Avenue, Suite 310
East Hanover, NJ 07936INTERIOR DESIGNER:
SHAMIR SHAH DESIGN
37 West 24th Street, Suite 604
New York, NY 10010
TEL: (212) 274-7576INTERIOR DESIGNER:
AB CONCEPT
31/F GLOBAL GATEWAY TOWER,
63 WING HONG STREET,
KOWLOON, HONG KONG
TEL: (852) 2525-2428

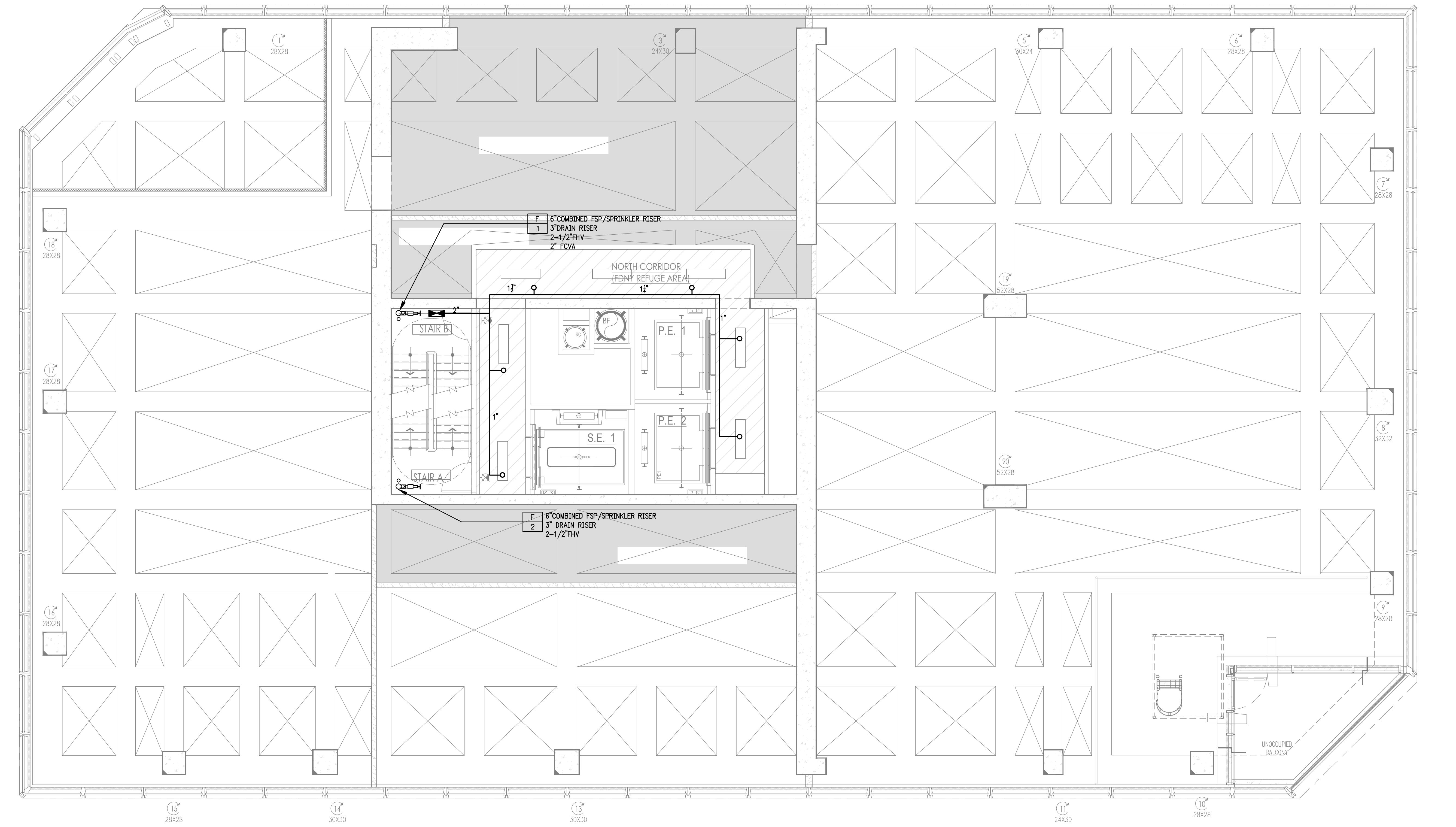
POOL CONSULTANT:

TRI-POOL DESIGN
A Division of Lothrop Associates LLP
333 WESTCHESTER AVENUE
WHITE PLAINS, NY 10604
TEL: (914) 741-1115LIGHTING DESIGNER:
FOCUS LIGHTING
221 West 14th Street
New York, NY 10011
TEL: (212) 865-1565LIGHTING DESIGNER:
FILAMENT33 INC
9110 CEDARWOOD AVE
Philadelphia, PA 19118
TEL: (404) 674-0133AUDIO VISUAL & TELECOMMUNICATIONS:
Cerami
404 FIFTH AVENUE, 8TH FL
NEW YORK, NY 10018
TEL: (212) 370-1776

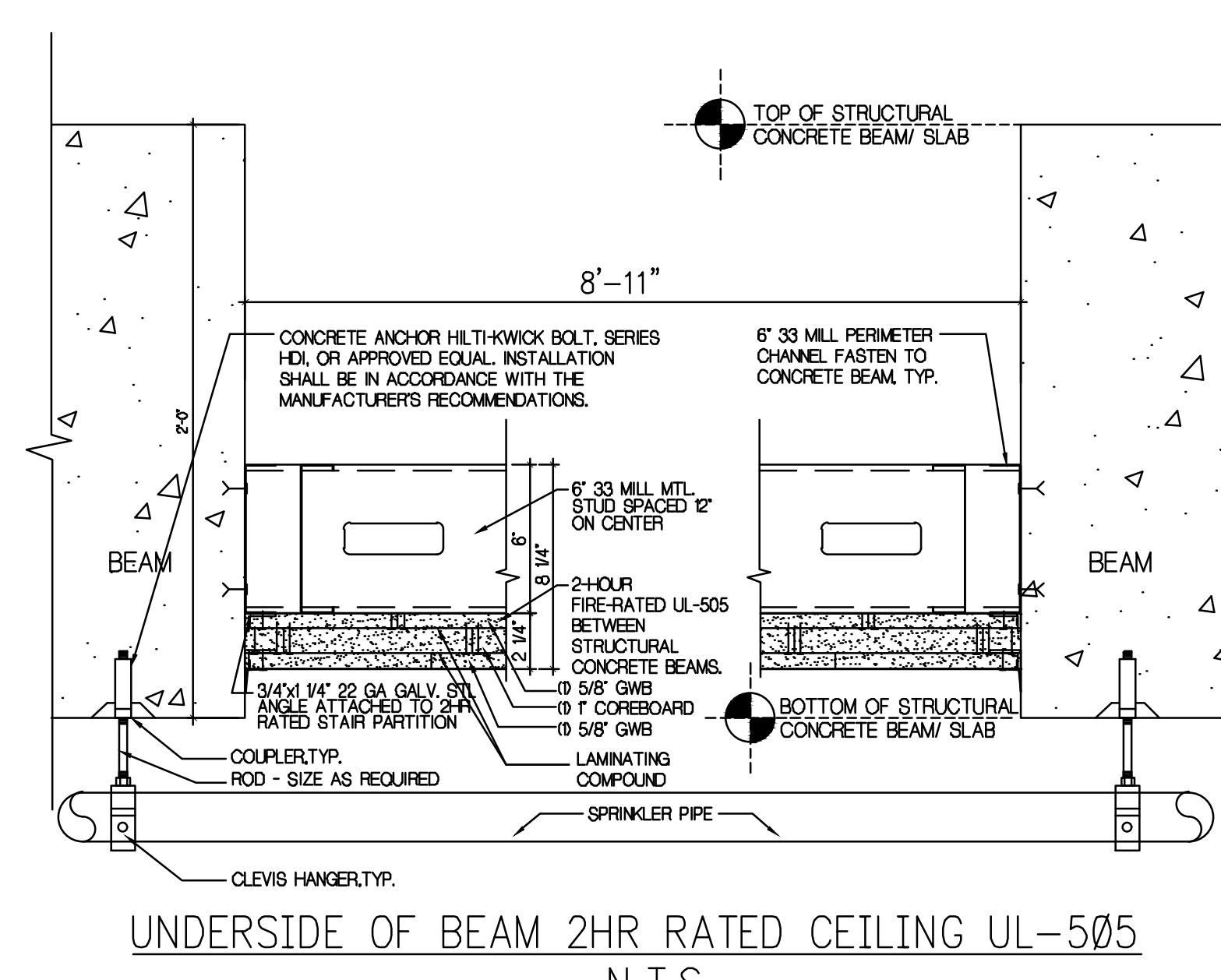
- 08/17/2018 ISSUED TO DOB
1 08/17/2018 80% CD
- 08/04/2018 CD PROGRESS SET
- 08/04/2018 50% CD SET
- 08/04/2018 100% CD SET
- 11/15/2017 DMR FLNG
- 11/14/2017 100% DD
No.: Date: Revision:
DOB NUMBER: NB#121190200

NORTH ARROW Scale: 3/16" = 1'-0"
KEY PLAN:

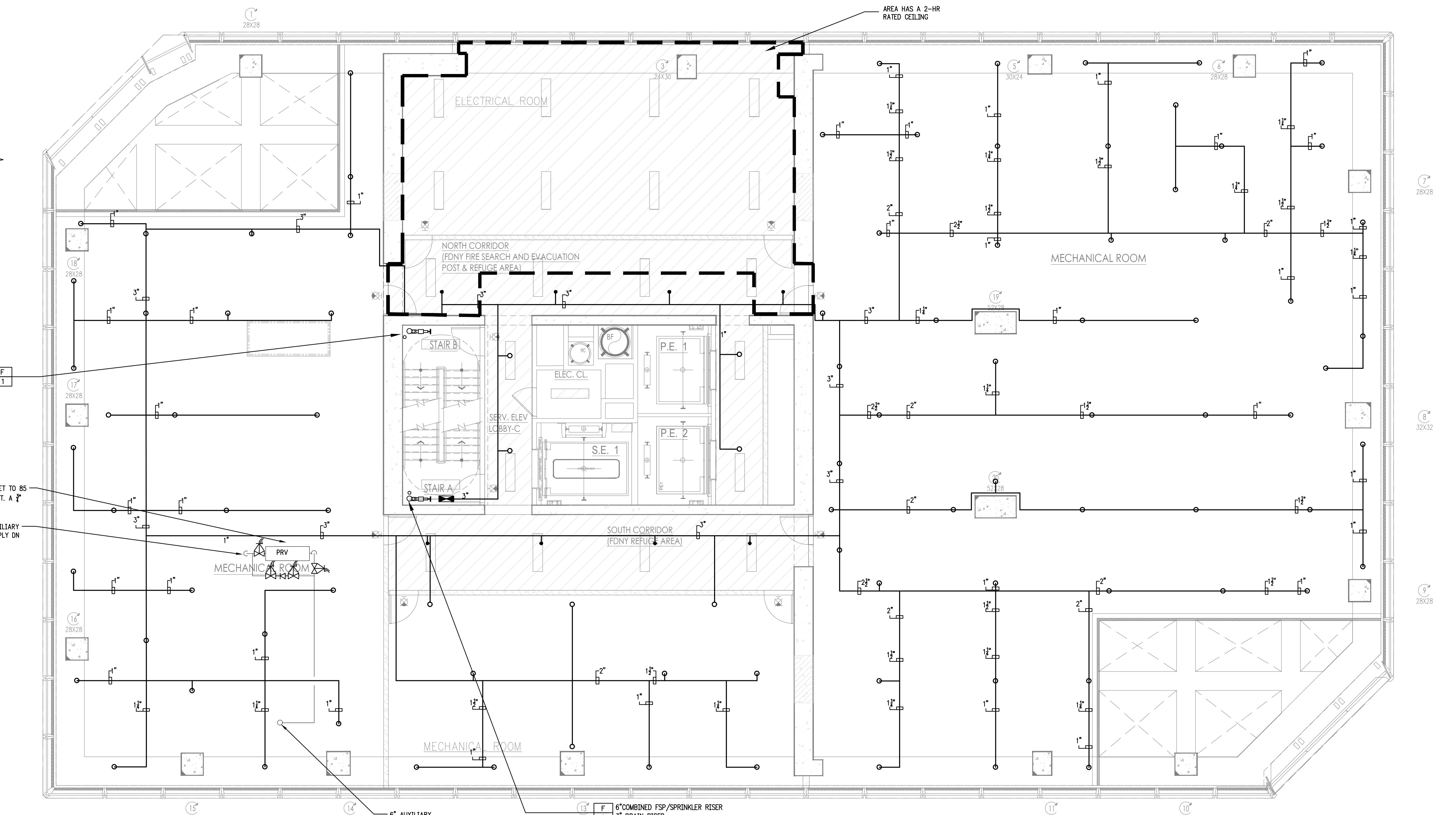
PROJECT:
WEST 66TH STREET
NEW YORK, NEW YORKDRAWING TITLE:
17TH FLOOR & FDNY ACCESS 1
SPRINKLER & STANDPIPE PLANSSEAL & SIGNATURE:
Roxane Tarigotis, RA
APPROVED
Under Direction of RA
NYC Development HubDATE: 08-17-2018
DRAWING NO.: SP/SD-220.00
COLUMBIAN ASSOCIATES PLLC
21 OF 36



2 18TH FLOOR FDNY ACCESS 4 SPRINKLER & STANDPIPE PLAN (SPRINKLERS @ +383.31')



UNDERSIDE OF BEAM 2HR RATED CEILING UL-505
N.T.S.



1 18TH FLOOR SPRINKLER & STANDPIPE PLAN (SPRINKLERS @ +367.31')

WEST 66TH STREET
36 WEST 66TH STREET, NEW YORK, NY

OWNER/DEVELOPER:
West 66th Investor, LLC
c/o Paul Hastings, LLP

75 EAST 55TH STREET
NEW YORK, NY 10022
T: (212) 998-4640
F: (212) 318-4600

EXECUTIVE ARCHITECT:
SLCE Architects, LLP
1359 BROADWAY NEW YORK, NY 10018 TEL: (212) 979-8400 FAX: (212) 979-8387

DESIGN ARCHITECT:
Singhetti
80 PINE STREET, 10TH FLOOR
New York, NY 10004
TEL: (646) 383-4767

STRUCTURAL ENGINEER:
McNAMARA . SALVIA
62 West 45th Street, 11th Floor
McNAMARA . SALVIA Tel (212) 246.9800

MEP ENGINEER:
ICOR CONSULTING ENGINEERS
485C ROUTE 1 SOUTH, SUITE 200
SELM, NJ 08876
TEL: (973) 272-3300
FAX: (973) 272-4440

GEOLOGICAL ENGINEER:
Langan Engineering
River Drive Center I
619 River Drive
Ewing Park, NJ 07407
TEL: (201) 794-0366
FAX: (201) 794-0366

FAÇADE CONSULTANT:
Hentges & Associates
440 Park Avenue South, 15th Fl.
New York, NY 10016
TEL: (212) 652-2946

FAÇADE MAINTENANCE:
ENTEK
ENGINEERING LLC
CONSULTING ENGINEERS
165 Ames Street, Hackensack, NJ 07601
Ph. (201) 820-2801 Fax: (201) 820-2804

ELEVATOR CONSULTANT:
vda
Delivering Vertical Transportation
Services Worldwide
120 Empire State Avenue, Suite 310
East Hanover, NJ 07936

INTERIOR DESIGNER:
SHAMIR SHAH DESIGN
37 West 24th Street, 6th Fl.
New York, NY 10010
TEL: (212) 274-7576

INTERIOR DESIGNER:
AB CONCEPT
31/F GLOBAL GATEWAY TOWER,
63 WING HONG STREET,
KOWLOON, HONG KONG
TEL: (852) 2525-2428

POOL CONSULTANT:
TRI-POOL DESIGN
A Division of Lothrop Associates LLP

333 WESTCHESTER AVENUE
WHITE PLAINS, NY 10604
TEL: (914) 741-1115

LIGHTING DESIGNER:
FOCUS LIGHTING
221 West 14th Street
New York, NY 10014
TEL: (212) 865-1565

LIGHTING DESIGNER:
FILAMENT33 INC
9110 CERNANDONDALE AVE
Philadelphia, PA 19118
TEL: (404) 674-0133

AUDIO VISUAL & TELECOMMUNICATIONS:
Cerami
404 FIFTH AVENUE, 8TH FL.
NEW YORK, NY 10018
TEL: (212) 370-1776

ISSUED TO DOB
08/17/2018
1 08/17/2018 802 CD
07/13/2018 ISSUED TO DOB
06/04/2018 CD PROGRESS SET
05/04/2018 CD PROGRESS SET
03/19/2018 CD PROGRESS SET
11/14/2017 100% DD
No: [REDACTED]
DOB NUMBER:
NB#121190200

NORTH ARROW
Scale: 3/16" = 1'-0"
KEY PLAN:

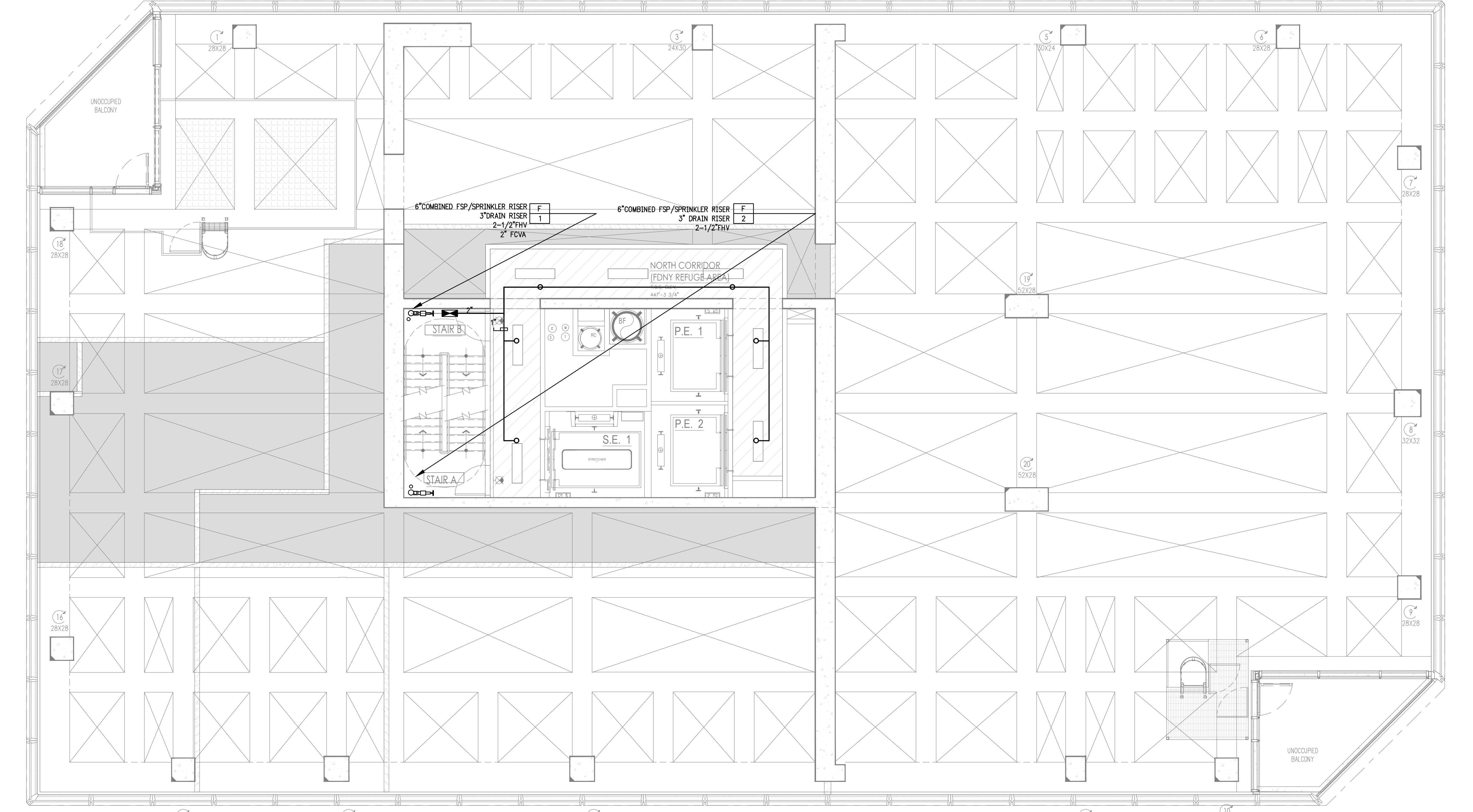
W 66TH STREET
COLUMNS AVENUE
COLUMNS AVENUE
WEST 66TH STREET
COLUMNS AVENUE
WEST 66TH STREET

PROJECT:
WEST 66TH STREET
NEW YORK, NEW YORK

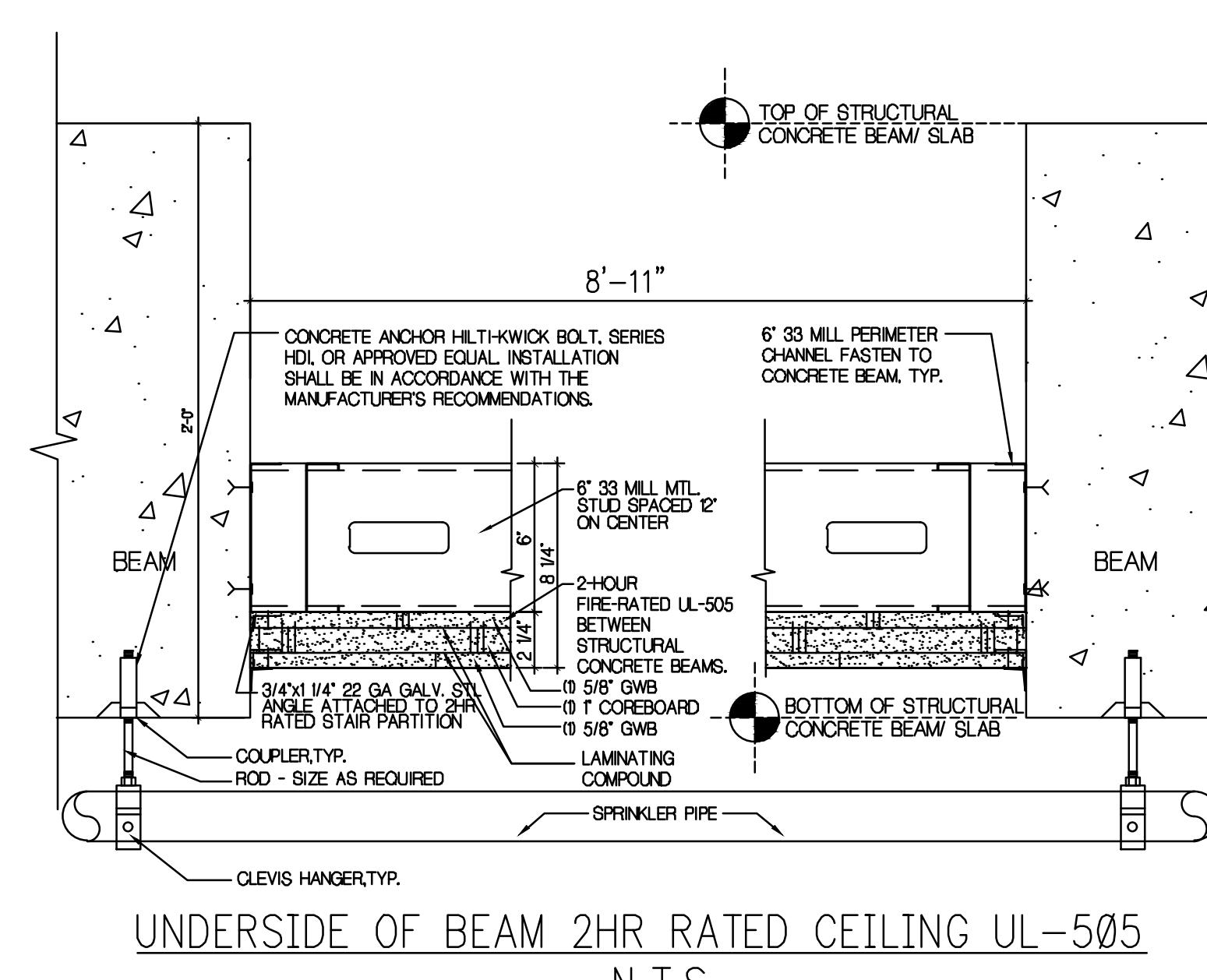
DRAWING TITLE:
18TH FLOOR & FDNY ACCESS 4
SPRINKLER & STANDPIPE PLANS

SEAL & SIGNATURE:
Roxane Tarigotis, RA
R. Tarigotis
Building
APPROVED
Under Direction of RA
Architect
NYC Development Hub

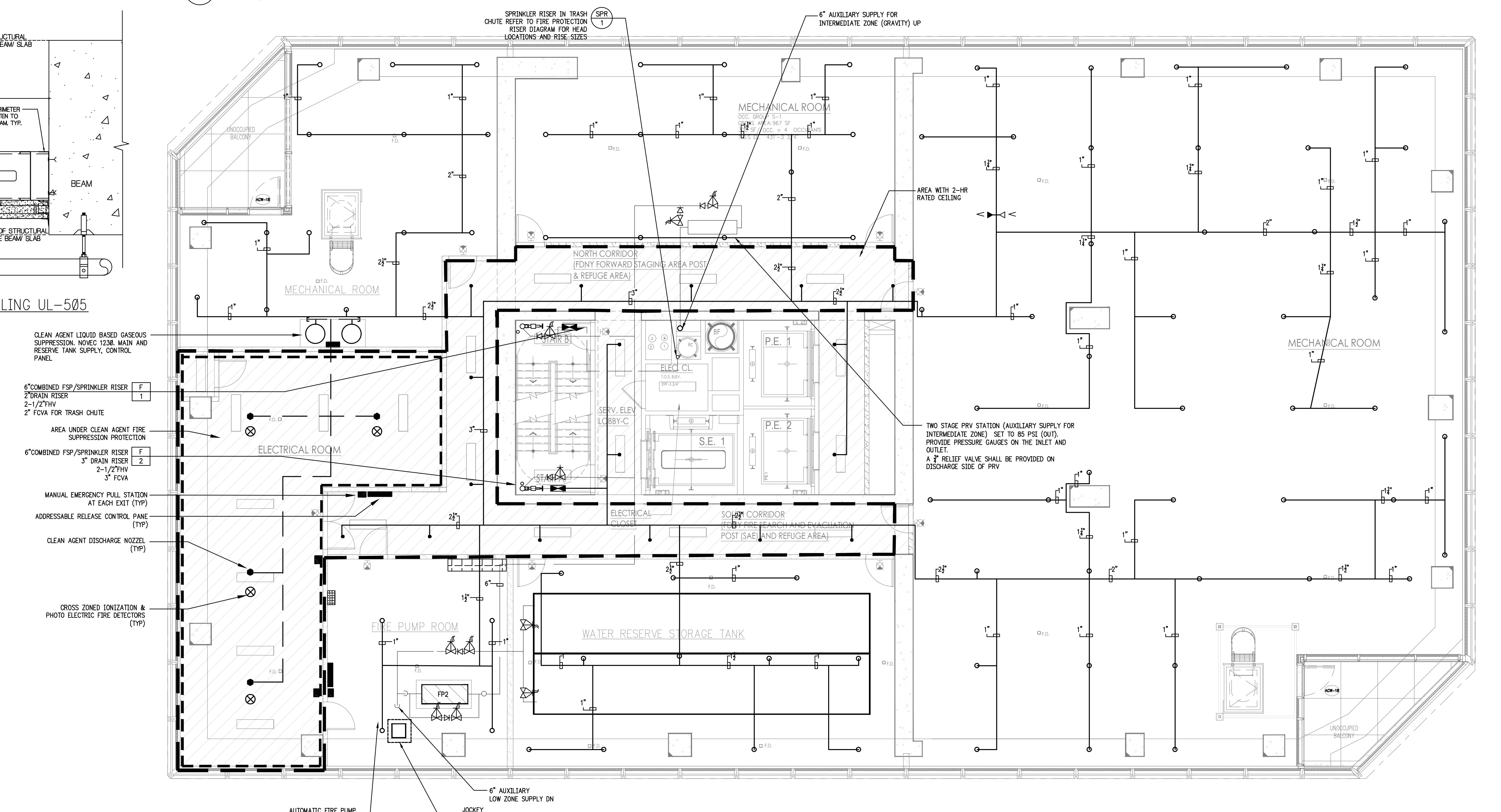
DATE: 08-17-2018
DOB NO.:
DRAWING NO.: SP/SD-222.00
CHECKED BY: JV
23 of 36



② 19TH FLOOR FDNY ACCESS 7 SPRINKLER & STANDPIPE PLAN (SPRINKLERS @ +447.31')



UNDERSIDE OF BEAM 2HR RATED CEILING UL-505
N.T.S.



① 19TH FLOOR SPRINKLER & STANDPIPE PLAN (SPRINKLERS @ +431.31')

Drawing Name: C:\OS58\PLANS\PLANS_FILING FOR PRINTING\Fire Protection\19th_Floor Access 7_Sprinkler & Standpipe Plan.dwg - 19TH FLOOR & FDNY ACCESS 7 SPRINKLER & STANDPIPE PLAN.dwg - Thu, 04 Apr 2019 - 5:05pm

WEST 66TH STREET

36 WEST 66TH STREET, NEW YORK, NY

OWNER/DEVELOPER:
West 66th Investor, LLC
c/o Paul Hastings, LLP

75 EAST 55TH STREET
NEW YORK, NY 10022
T: (212) 583-4648
F: (212) 318-4600

EXECUTIVE ARCHITECT:
SLCEArchitects, LLP
1339 BROADWAY NEW YORK, NY 10018 TEL: (212) 979-8400 FAX: (212) 979-8387

DESIGN ARCHITECT:
Singheta
80 PINE STREET, 10TH FLOOR
New York, NY 10004
TEL: (646) 583-4767

STRUCTURAL ENGINEER:
McNAMARA . SALVIA
62 West 45th Street, 11th Floor
McNAMARA . SALVIA Tel (212) 246.9800

MEP ENGINEER:
ICOR CONSULTING
ENGINEERS
4850 ROUTE 1 SOUTH, SUITE 200
SELM, NJ 08838
TEL: (973) 362-3300
FAX: (973) 272-4440

GEOLOGICAL ENGINEER:
Langan Engineering
River Drive Center 1
619 River Drive
Ewing Park, NJ 07407
TEL: (201) 794-0366

FAÇADE CONSULTANT:
Heintges & Associates
440 Park Avenue South, 15th Fl.
New York, NY 10016
TEL: (212) 652-2946

FAÇADE MAINTENANCE:
ENTEK
ENGINEERING LLC
CONSULTING ENGINEERS
165 Ames Street, Hackensack, NJ 07601
Ph. (201) 820-2801 Fax: (201) 820-2804

ELEVATOR CONSULTANT:
vda
Delivering Vertical Transportation
Solutions Worldwide
P. One 313-484-8220 F. 313-884-2359
e. all.vda.com

INTERIOR DESIGNER:
SHAMIR SHAH DESIGN
37 West 24th Street, Suite 604
New York, NY 10010
TEL: (212) 274-7576

INTERIOR DESIGNER:
AB CONCEPT
31/F GLOBAL GATEWAY TOWER,
63 WING HONG STREET,
KOWLOON, HONG KONG
TEL: (852) 2525-2428

POOL CONSULTANT:
TRAVI POOL DESIGN
A Division of Lopeth Associates LLP

333 WESTCHESTER AVENUE
WHITE PLAINS, NY 10604
TEL: (914) 741-1115

LIGHTING DESIGNER:
FOCUS LIGHTING
221 West 14th Street
New York, NY 10011
TEL: (212) 865-1565

LIGHTING DESIGNER:
FILAMENT33 INC
9110 CERNANDOVER AVE
Philadelphia, PA 19118
TEL: (404) 674-0133

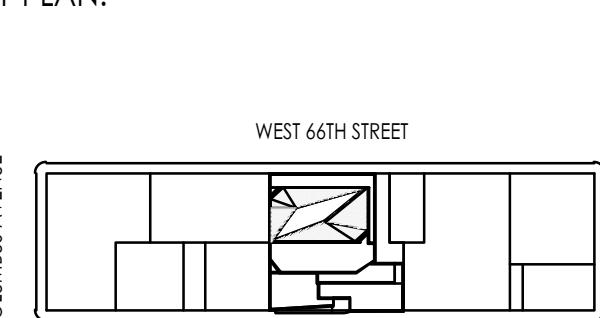
AUDIO VISUAL & TELECOMMUNICATIONS:
Cerami
404 FIFTH AVENUE, 8TH FL
NEW YORK, NY 10018
TEL: (212) 370-1776

- 08/17/2018 ISSUED TO DOB
1 08/17/2018 80% CD
- 06/04/2018 CD PROGRESS SET
- 06/04/2018 CD PROGRESS SET
- 03/19/2018 CD PROGRESS SET
- 11/14/2017 100% DD
No: Date: Revision:

D.O.B. NUMBER:
NB#1211190200

NORTH ARROW Scale: 3/16" = 1'-0"
0 1 2 4 6 8 10

KEY PLAN:



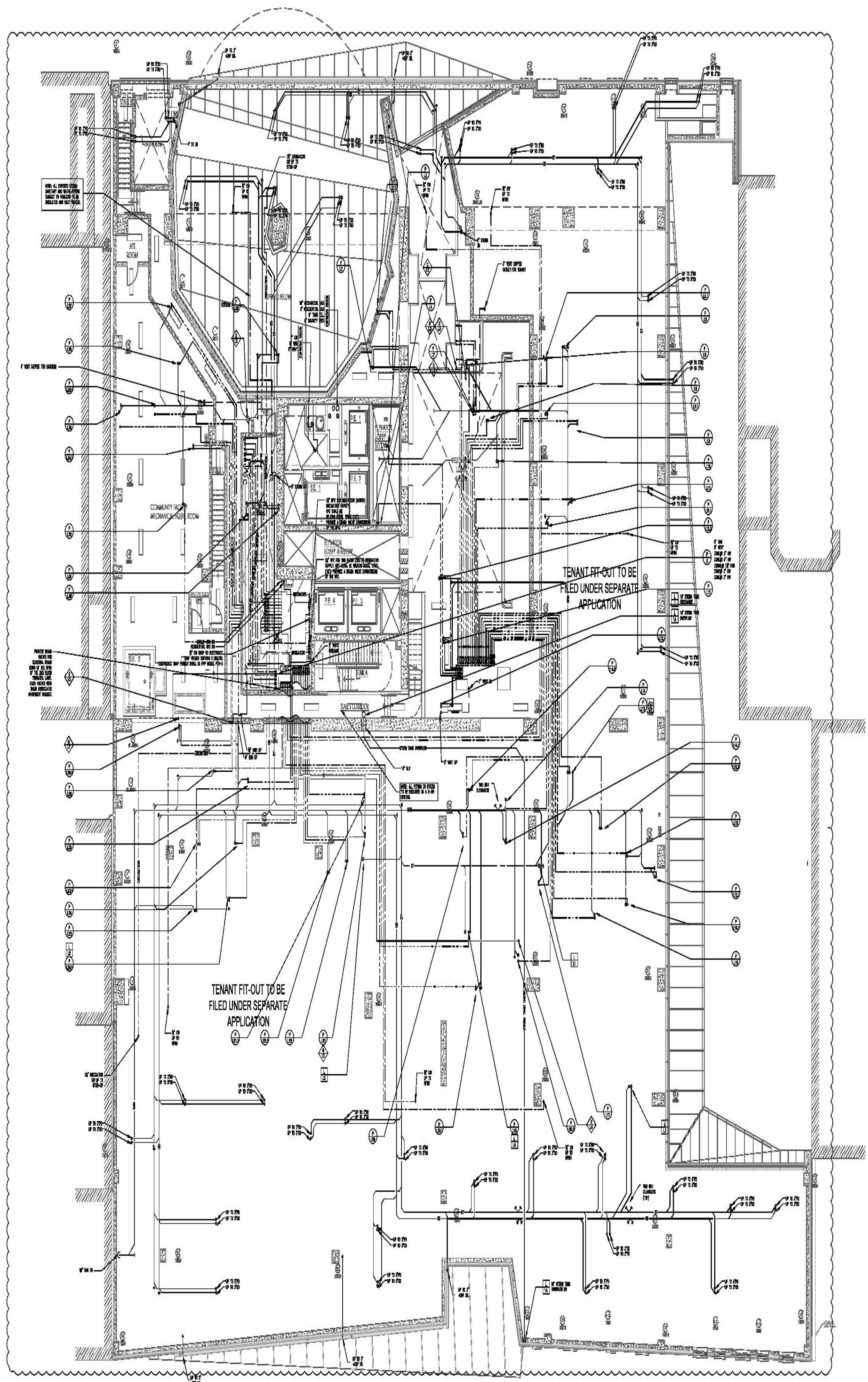
PROJECT:
WEST 66TH STREET
NEW YORK, NEW YORK

DRAWING TITLE:
19TH FLOOR & FDNY ACCESS 7
SPRINKLER & STANDPIPE PLANS

SEAL & SIGNATURE:
Roxane Tarigotis, RA
APPROVED
Under Direction of RA
Architect
Checked by LV
Drawing No:
SP/SD-224.00
DOB NO:
SUBDIVISION OF PROFESSIONAL
ARCHITECTURE
CHECKED BY: LV
DRAWING NO:
SP/SD-224.00
25 OF 36

FILED: NEW YORK COUNTY CLERK 02/16/2021 01:36 PM
INDEX NO. 160545/2020
NYSCEF DOC. NO. 56
DEPT OF BLDGS/21100000 486-NYC
Searched INDEXED SERIALIZED FILED
02/16/2021

* THIS PLAN APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES *



WEST 66TH STREET

34 WEST 66TH STREET, NEW YORK, NY

OWNER/DEVELOPER:
West 66th Investor, LLC
c/o Paul Hastings, LLP

73 PARK AVENUE
NEW YORK, NY 10022
T: 212.510.4618
F: 212.510.4600

DESIGN ARCHITECT:
SLCEarchitects, LLP
129 BROADWAY NEW YORK, NY 10006
TEL: (212) 774-0012
TELE: (212) 774-0012

DESIGN ARCHITECT:
Sinclair
60 PARK AVENUE NEW YORK, NY 10022
TEL: (212) 510-4212

STRUCTURAL ENGINEER:
MCMANAMARA, SALVIA
42 West 45th Street, 11th Floor
New York, NY 10036
TEL: (212) 549-2024 Fax: (212) 546-9500

MEP ENGINEER:
ICOR CONSULTING ENGINEERS
405 PARK AVENUE SOUTH, SUITE 200
NEW YORK, NY 10016
TEL: (212) 527-3000
FAX: (212) 527-4440

GEOTRICAL ENGINEER:
Langan Engineering
Maritime Center 419 West 34th Street
Bloomberg Tower, A10-A10/F
TEL: (212) 594-0900
FAX: (212) 594-0966

PAKAGE CONDUITE:
Heintges & Associates
40 Park Avenue South, Suite 1000
New York, NY 10016
TEL: (212) 527-3566

PAKAGE MAINTENANCE:
ENTEK
Engineering LLC
500 Avenue of the Americas, 10th Floor
New York, NY 10019 Tel: (212) 541-4000

BEATOR CONTRACTOR:
vda
Delivering Vertical Transportation Solutions Worldwide
Phone: 619-424-4200 Fax: 619-424-4200
125 High Street, Suite 200, San Jose, CA 95113
www.vda.com

INTERIOR DESIGNER:
SHAMIR SHAH DESIGN
27 West 45th Street, Suite 604
New York, NY 10036
TEL: (212) 549-1735

INTERIOR DESIGNER:
AB CONCEPT
3/F GLOBAL GARDEN TOWER,
33 WING HONG STREET,
KOW LOON, HONG KONG
TEL: (852) 9255-5400

POOL CONDUITE:
TRACE POOL DESIGN
A Division of Loring Associates LLP

333 WESTCHESTER AVENUE
WHITEPLAINS, NY 10604
TEL: (914) 274-1115

LIGHTING DESIGNER:
FOCUS LIGHTING
201 West 18th Street
New York, NY 10011
TEL: (212) 655-1565

LIGHTING DESIGNER:
FILAMENT33 INC
919 CERNAHWAY AVE
Philadelphia, PA 19116
TEL: (444) 674-0133

AUDIO VISUAL & TELECOMMUNICATIONS:
Cerami
401 HENRY AVENUE, 10TH FLOOR
NEW YORK, NY 10013
TEL: (212) 520-1776

- 100/1700/1800 TO DOOR
1 100/1700/1800 C
100/1700/1800 PROPOSED
100/1700/1800 C SET
- 100/1700/1800 DOORING
- 100/1700/1800 DOORLESS SET
- 100/1700/1800 DOORING
- 100/1700/1800 DOORLESS
No Entry Panel
DOOR NUMBER

NB#121190200

NORTH ARROW Scale: 1/8" = 1'-0"

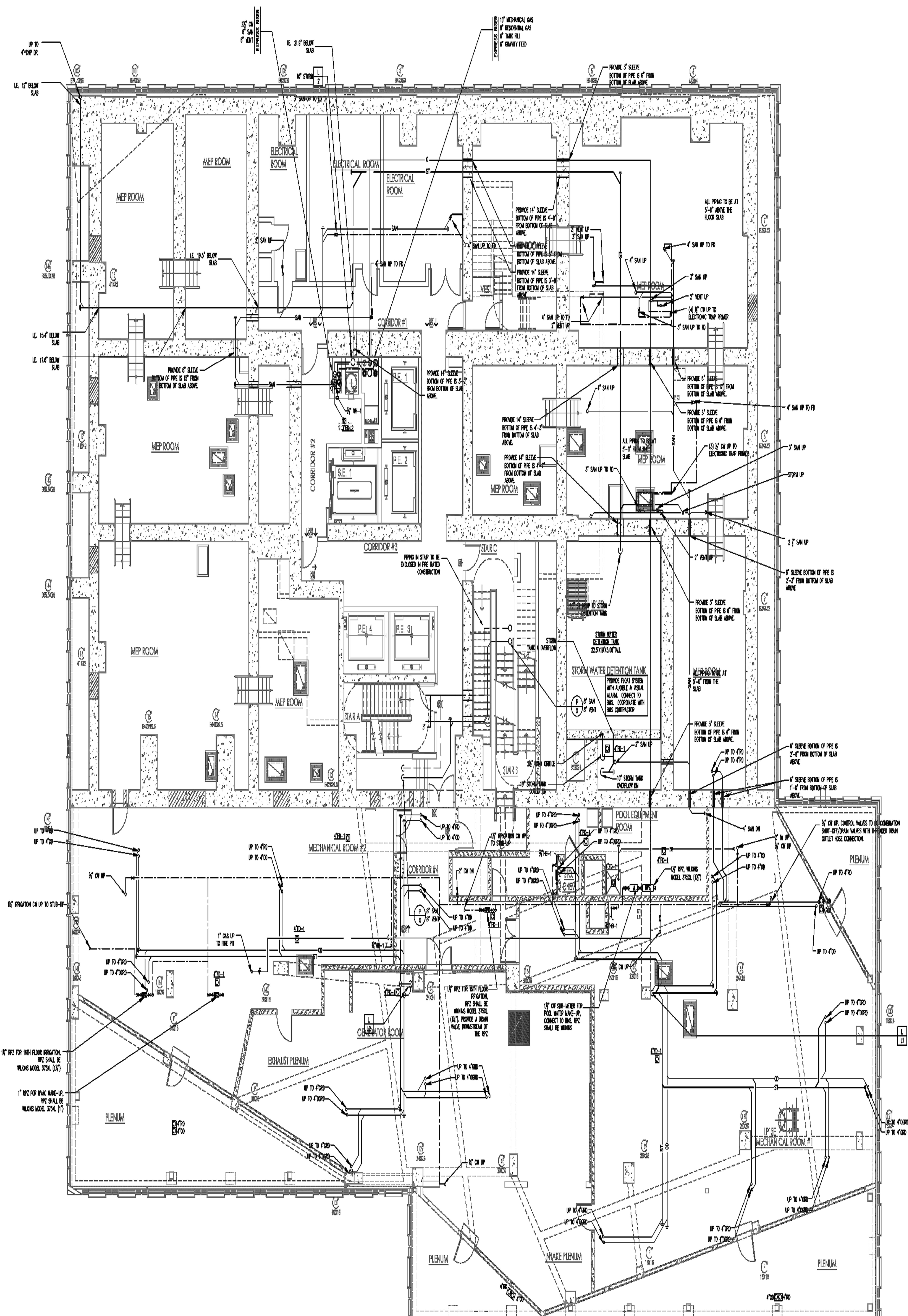
KEY PLAN:

PROJECT:
WEST 66TH STREET
NEW YORK, NEW YORK

DRAWING TITLE:
1ST FLOOR MEZZANINE
PLUMBING PIPING PLAN

SEAL & SIGNATURES
DATE: 02/16/2021
POSITION: ZONE 6
NAME: M.A.
CHECKED BY: LV
DRAWING NO.:

P-207.01
DOC NO.: 121190200
EXPIRATION DATE: 02/16/2022
NYC Development Dept
1200 Avenue of the Americas
New York, NY 10020
www.nycdoe.org
1200 Avenue of the Americas
New York, NY 10020
www.nycdoe.org



WEST 66TH STREET

36 WEST 66TH STREET, NEW YORK, NY

OWNER/DEVELOPER:
West 66th Investor, LLC
c/o Paul Hastings, LLP73 PARK AVENUE
NEW YORK, NY 10022
1. 212.510.6618
F. 212.510.6000EXECUTIVE ARCHITECT:
SLCEarchitects, LLP129 BROADWAY NEW YORK, NY 10013
TEL: 212.774.0012
FAX: 212.774.0087DESIGN ARCHITECT:
SmithGroup
60 PARK AVENUE NEW YORK, NY 10016
TEL: 212.774.0012
FAX: 212.774.0087STRUCTURAL ENGINEER:
MCNAMARA, SALVIA42 West 45th Street, 11th Floor
New York, NY 10036
TEL: 212.246.7600
FAX: 212.246.7600MEP ENGINEER:
ICOR CONSULTING
ENGINEERS
405 PARK AVENUE SOUTH NEW YORK, NY 10016
TEL: 212.527.3000
FAX: 212.440.4440GEOTRICAL ENGINEER:
Langan Engineering
One Penn Center
619 Chestnut Street, Philadelphia, PA 19106
TEL: 215.941.0400
FAX: 215.941.0400FAACADE CONTRACTOR:
Heintges & Associates
40 Park Avenue South, New York, NY 10016
TEL: 212.629.5566FAACADE MAINTENANCE:
ENTEK
Engineering LLC
Contractors
50 Army Street, Hoboken, NJ 07030
TEL: (201) 694-0000 FAX: (201) 694-0000ELEVATOR CONTRACTOR:
vda
Vertical Transportation
Safotek WorldwideMECH DESIGNER:
SHAMIR SHAH DESIGN27 West 45th Street, Suite 604
New York, NY 10036
TEL: 212.274.5756MECH DESIGNER:
AB CONCEPT
5/F, GLOM, GARDEN TOWER,
33 WING KONG STREET,
KOW LOON, HONG KONG
TEL: (852) 2625-5400POOL CONTRACTOR:
TRACE POOL DESIGN
A Division of Loring Associates LLC333 WESCHELER AVENUE
WHEATON, IL 60094
TEL: (708) 747-1115LIGHTING DESIGNER:
FOCUS LIGHTING
201 West 45th Street
New York, NY 10036
TEL: 212.965.1565LIGHTING DESIGNER:
FILAMENT33 INC
5916 GERMANIA AVENUE
Philadelphia, PA 19146
TEL: (442) 674-0333AUDIO VISUAL & TELECOMMUNICATIONS:
Cerami401 HENRY AVENUE 6TH FLOOR
NEW YORK, NY 10013
TEL: 212.520.1776KEY PLAN:
Scale: 3'-0" = 1'-0"
0 1 2 3 4 5 6 7 8 9 10PROJECT:
WEST 66TH STREET
NEW YORK, NEW YORKDRAWING TITLE:
15TH FLOOR
PLUMBING PIPING PLANSEAL & SIGNATURE:
DATE: 02/16/2021
POSITION: ZONE 2
NAME: N.G.
CHECKED: V.P.
DRAWING NO.: P-216.00NYC
Buildings
Department of
Development
City of New York
DOB
DEPARTMENT OF BUILDINGS
2021
21119020


NOTICE: This document contains neither recommendations nor conclusions of the City of New York. It is the property of the City of New York and is loaned to your company. It and its contents are not to be distributed outside your company without the express written consent of the City of New York.

THIS PLAN APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

Drawing Name: G:\DOCS\PLANS\PLANS FOR PRINTING\PLUMBING\15TH FLOOR PLUMBING PLANS.dwg - Thu, 28 Mar 2019 - 01:29pm

Page 18 of 31

X 34



CERIAL NOTES:

- ALL DUCTWORK SERVING FANS (EXCEPT DRYER EXHAUST DUCTWORK) AND HVAC UNITS ON ROOF OR MEZ ARE TO BE ACOUSTICALLY LINED ON THAT FLOOR.
- PROVIDE 2 HR FIRE WALL AS NOTATED.
- MAU-15-1 & MAU-15-2
- A. OUTSIDE AIR INTAKE DUCT - 10 FEET OF INTERNAL LINING FROM UNIT
- B. 15 FEET INTERNAL LINING ON SUPPLY

DIESEL PARTICULATE FILTER (DPF) NOTES:

(b) 12" DIAMETER X 12" LONG CATALYTIC, WALL-FLOW, PASSIVE DIESEL PARTICULATE FILTER ELEMENTS ARE ARRANGED IN A 12" HIGH X 4" DEEP ARRAY DESIGNED FOR USE ONLY ON AN INVERTER POWERED LEISURE GENERATOR PROVIDED BY ALTERNATE POWER GENERATION CONTACT ZACH MENDROFF 504-643-7774 TRAINING AT TOLL FREE. ENGINE EXHAUST IS DIRECTED ACROSS THESE DPF ELEMENTS WITHIN A CUSTOM BUILT 304 SERIES STAINLESS STEEL HOUSING. THE ORIFICAL HOUSING SIZE CANNOT EXCEED LARGER THAN 1000 LINEAR INCHES WIDE, 300 DEEP, AND 300' TALL. THIS HOUSING MUST INCORPORATE AN INTERNALLY INSULATED SILENCER SECTION TO ACHIEVE CRITICAL GRADIENT ATTENUATION OF 25-32dB(A) AT A BACKPRESSURE NO GREATER THAN 50% OF THE ENGINE MANUFACTURERS MAXIMUM ALLOWABLE BACKPRESSURE.

THE CATALYZED DPF ELEMENTS ESSENTIALLY FILTER OUT UNBURNED CARBON PARTICLES OR SOOT, THAT OCCURS IN THE DIESEL ENGINE EXHAUST, ESPECIALLY UNDER COLD START UP CONDITIONS. THE DPF'S WILL CAPTURE 85% OF THESE CARBON PARTICLES, OF A SPECIFIED SIZE, TO THEIR OVERALL CAPACITY. THESE CARBON PARTICLES, OR OFTEN CALLED PARTICULATE MATTER (PM), NEED TO BE REMOVED FROM THE DPF'S. THIS IS ACCOMPLISHED BY THE CATALYZED COATING ON THE DPF ELEMENTS REACHING A "LIGHT OFF" TEMPERATURE, DRIVEN BY THE EXHAUST GAS TEMPERATURE. ONCE THIS LIGHT OFF TEMPERATURE IS ACHIEVED, THE DPF WILL OPERATE IN A CONDITION CALLED CONTINUOUS REGENERATION. CONTINUOUS REGENERATION WILL BURN OFF THE CARBON PARTICLES TRAPPED WITHIN THE DPF ELEMENTS AS LONG AS THE LIGHT OFF TEMPERATURE IS SUSTAINED.

IT IS IMPORTANT THAT THE LIGHT OFF EXHAUST TEMPERATURE IS MET FOR PROPER OPERATION. WHEN LIGHT OFF TEMPERATURE IS NOT MAINTAINED,

CARBON PARTICLES WILL BUILD UP IN THE DPF ELEMENTS AND WILL INCREASE BACKPRESSURE IN THE DRASTIC. TO HELP MANAGE THIS, A DIFFERENTIAL PRESSURE SWITCH AND MONITORING DEVICE IS RECOMMENDED TO BE UTILIZED IN A PASSIVE DPF SYSTEM TO ALERT THE OPERATOR, OR TO TRIGER AN ALARM IF A SPECIFIED LEVEL OF BACK PRESSURE HAS BEEN REACHED. WHEN THAT OCCURS, SUFFICIENT LOAD MUST BE APPLIED TO THE ENGINE IN ORDER TO REACH AND MAINTAIN THE LIGHT OFF TEMPERATURE OF THE DPF'S.

WEST 66TH STREET

34 WEST 66TH STREET, NEW YORK, NY

OWNER/DEVELOPER:
West 66th Investor, LLC
c/o Paul Hastings, LLP

73 PARK AVENUE

NEW YORK, NY 10022

1, 212, 510, 6618

FAX: 1, 212, 510, 6000

EXECUTIVE ARCHITECT:

SLCEArchitects, LLP

139 BROADWAY NEW

YORK, NY 10013

(212) 779-0142

TEL: (212) 779-0142

FAX: (212) 779-0687

DESIGN ARCHITECT:

SmithGroup

60 PARK STREET, 11TH FLOOR

NEW YORK, NY 10006

TEL: (212) 585-4122

FAX: (212) 585-4122

STRUCTURAL ENGINEER:

MCNAMARA, SALVIA

42 WEST 45TH STREET, 11TH FLOOR

NEW YORK, NY 10036

TEL: (212) 246-7600

FAX: (212) 246-7600

MEP ENGINEER:

ICOR CONSULTING

ENGINEERS

405 PARK AVENUE, SUITE 200

NEW YORK, NY 10022

TEL: (212) 527-3300

FAX: (212) 527-4440

GEOMETRIC ENGINEER:

Langen Engineering

1000 THIRD AVENUE

NEW YORK, NY 10021

TEL: (212) 754-0407

FAX: (212) 754-0566

FAACADE CONTRACTOR:

Heintges & Associates

405 PARK AVENUE, SUITE 101H

NEW YORK, NY 10022

TEL: (212) 635-2566

FAACADE MAINTENANCE:

ENTEK

ENGINEERING LLC

CONTRACTORS

500 AMERICA STREET, NEW YORK, NY 10013

TEL: (212) 963-0400

FAX: (212) 963-0400

DELIVERING Vertical Transportation

Safeguard Worldwide

vda

Engineering Services

12 East 42nd Street, Suite 200

New York, NY 10017

TEL: (212) 274-5755

INTERIOR DESIGNER:

SHAMIR SHAH DESIGN

27 WEST 45TH STREET, SUITE 604

NEW YORK, NY 10036

TEL: (212) 585-5249

MECHANICAL DESIGNER:

AB CONCEPT

5/F, GLOM, GARDEN TOWER,

33 WING KONG STREET,

WAN CHAI, HONG KONG

TEL: (852) 2255-5460

POOL CONTRACTOR:

TRACE POOL DESIGN

A Division of Leding Associates LLC

333 WHEELER AVENUE

WHITEPLAINS, NY 10604

TEL: (914) 274-1115

LIGHTING DESIGNER:

FOCUS LIGHTING

201 WEST 45TH STREET

NEW YORK, NY 10036

TEL: (212) 585-1565

AUDIO VISUAL & TELECOMMUNICATIONS:

Cerami

401 WEST 45TH STREET

NEW YORK, NY 10036

TEL: (212) 585-1776

DATA CENTER:

DATA CENTER

100 17TH STREET

SUITE 1030

1, 212, 585-1776

FAX: 1, 212, 585-1776

100 17TH STREET

GENERAL NOTES

1. ALL DUCTWORK SERVING FANS (EXCEPT DRYER EXHAUST DUCTWORK) AND OR HVAC UNITS ON ROOF OR MVR ARE TO BE ACOUSTICALLY LINED ON THAT FLOOR.
2. ALL DUCTWORK SHALL BE PROVIDED WITH 2-HR RATED FIRE MAP.
3. MAU-15-1 & MAU-15-2:
 - A. OUTSIDE AIR INTAKE DUCT - PROVIDE 20 FEET OF ACOUSTICAL LINING.
 - B. SUPPLY AIR DUCT - PROVIDE 20 FEET OF ACOUSTICAL LINING.

WEST 66TH STREET

34 WEST 66TH STREET, NEW YORK, NY

OWNER/DEVELOPER:

West 66th Investor, LLC
c/o Paul Hastings, LLP75 FAIR ST STE 500
NEW YORK, NY 10036
T: 212.316.6618
F: 212.316.6600

DESIGN ARCHITECT:

SLCE Architects, LLP
159 BROADWAY NEW YORK, NY 10038
T: 212.979.0070 F: 212.979.0089

DESIGN ARCHITECT:

SmithGroup
60 PINE STREET, 11TH FLOOR
NEW YORK, NY 10005
TEL: (212) 583-4125
FAX: (212) 583-4125

STRUCTURAL ENGINEER:

MCNAMARA, SAVIA
42 West 45th Street, 11th Floor
New York, NY 10036
TEL: (212) 583-2833 FAX: (212) 546-9500

MEP ENGINEER:

ICOR CONSULTING
ENGINEERS
405 PARK AVENUE SUITE 300
NEW YORK, NY 10022
TEL: (212) 522-3300
FAX: (212) 522-3440

GEOTRIGONIC ENGINEER:

Langen Engineering
One Penn Plaza, Suite 1000
New York, NY 10119
T: 212.554.6400 F: 212.554.6401

PACKAGE CONTRACTOR:

Heintges & Associates
405 Park Avenue South, 5th Flr
New York, NY 10022
T: 212.554.2556

PACKAGE CONTRACTOR:

ENTEK
Engineering LLC
CONTRACT SERVICES
500 Avenue of the Americas, 10th Flr
New York, NY 10019
T: 212.953.8000 F: 212.953.8000

ELEVATOR CONTRACTOR:

vda
Delivery Vertical Transportation
Safeguard Worldwide
Phone: 513-444-4200 Fax: 513-444-4200

INSPECTOR DESIGNER:

SHAMIR SHAH DESIGN
32 West 35th Street, Suite 604
New York, NY 10018
TEL: (212) 274-7150

INTERIOR DESIGNER:

AB CONCEPT
35/F GLOBAL GARDEN TOWER,
35 KING WONG STREET,
KOW LOON, HONG KONG
TEL: (852) 9525-5465

POOL CONTRACTOR:

TRACE POOL DESIGN
A Division of Tracing Associates U.P.
333 WESTCHESTER AVENUE
WHITE PLAINS, NY 10606

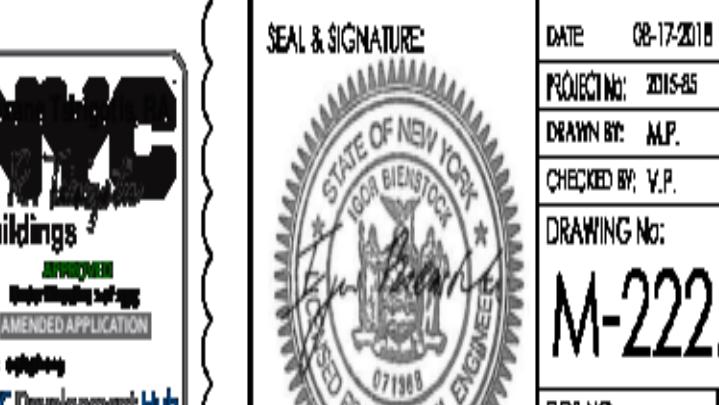
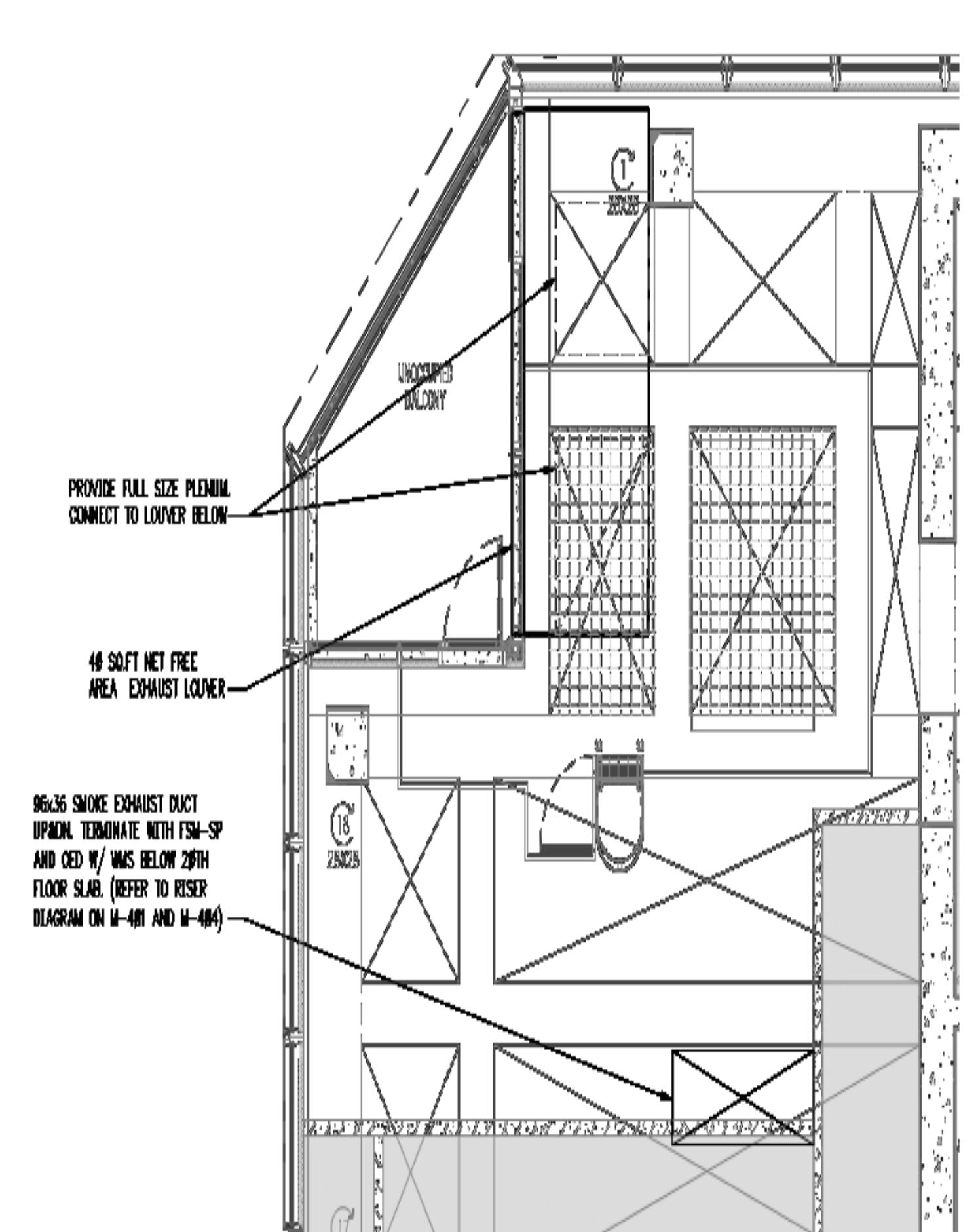
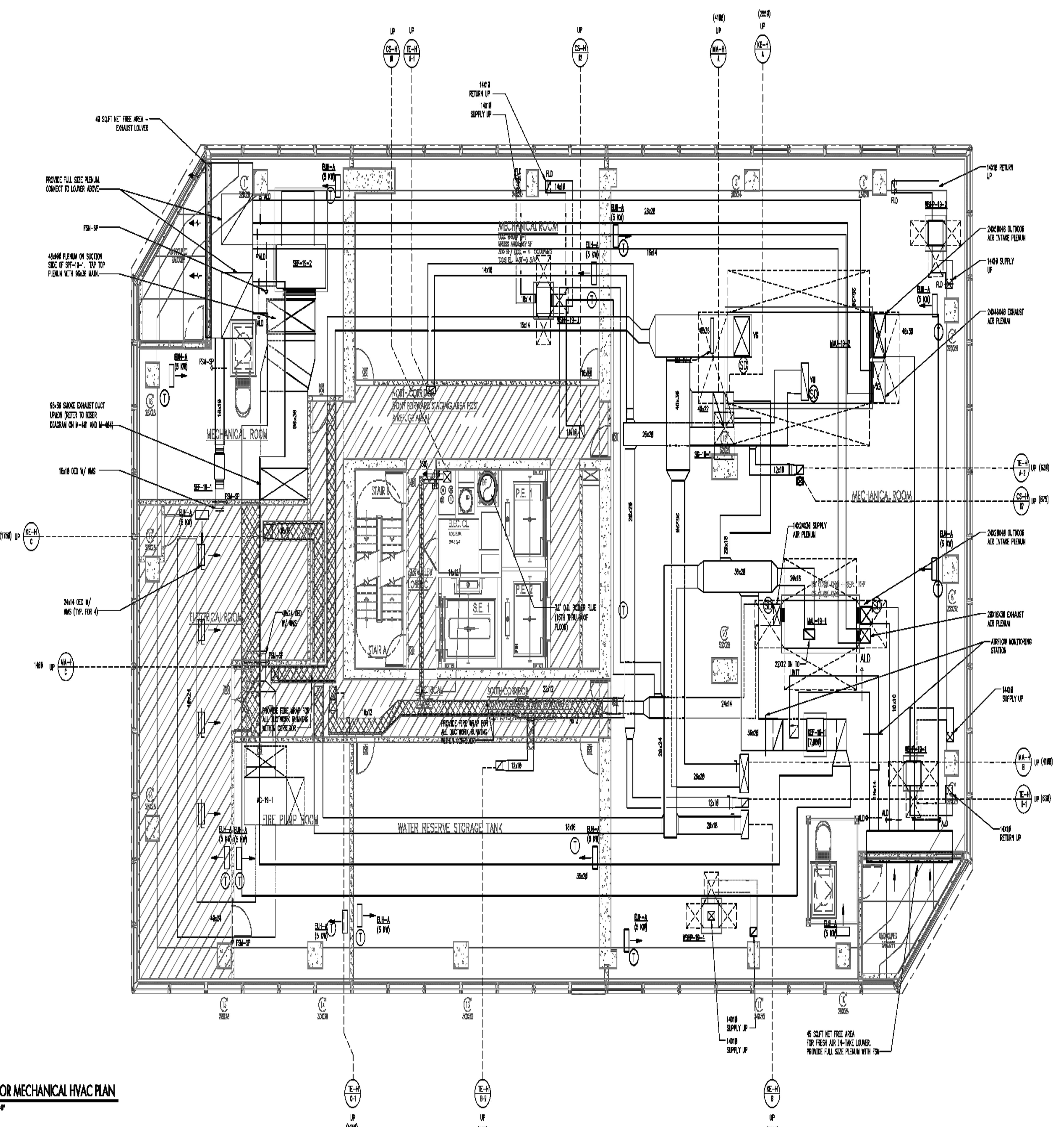
LIGHTING DESIGNER:

FOCUS LIGHTING
201 West 5th Street
New York, NY 10014
TEL: (212) 955-1565

LIGHTING DESIGNER:

FILAMENT33 INC
919 CERNAHORSKY AVE
WILLINGDON PARK, ON N1L 1J8
TEL: (416) 674-0333

AUDIO VISUAL & TELECOMMUNICATIONS:

Cerami
401 HIGH AVENUE 10TH FLOOR
NEW YORK, NY 10016
TEL: (212) 530-1776

West 66th Street

