



CONTRACT #20205400631
PROJECT ID#: PW77198EV
TASK ORDER: #01

BRONX, NY 10451

BUILDING LOCATION

The map shows the Bronx, NY 10451 area, with the building location circled in black. The map includes labels for various neighborhoods such as Yonkers, Mount Pleasant, and the Bronx, and a compass rose indicating North.

Click blue outline on map to view diagram of proposed change

BUILDING LOCATION

ZONING MAP
 City of St. Louis, Missouri

Major Zoning Classifications:
 R - RESIDENTIAL DISTRICT
 C - COMMERCIAL DISTRICT
 M - MANUFACTURING DISTRICT
 S - SPECIAL PURPOSE DISTRICT

Special Districts:
 (indicated by different shades of gray)

AREAS TO BE RE-ZONED
 (indicated by a dashed line)

Effective Date(s) of Rezoning:
 05-27-2021, 03-202002-2041

Special Requirements:
 For a higher use, see subject to "COM-ADDITIONAL REQUIREMENTS, AND For a use of less subject to "C" restrictions, see "C" restrictions. For rezoning, see "REZONING" section. For rezoning, see "REZONING" section. For rezoning, see "REZONING" section. For rezoning, see "REZONING" section.

MAP KEY

3b	3d
5c	6a
5d	6d

City of St. Louis, Missouri

NOTE: SITE SITS OUTSIDE SPECIAL FLOOD ZONE AREA.

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP
CITY OF NEW YORK,
NEW YORK
 BROOKS, BEDFORD, NEW YORK,
 QUEENS, AND KINGS COUNTIES

PANEL 83 OF 457

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS		DATED		SHEET	
COMMUNITIES		NUMBER		PANEL	
NEW YORK, CITY OF		83		457	

Notes to User: The Map Number above should not be used when placing your address. The Community Number above should be used on insurance applications for subject community.

MAP NUMBER
3604970083

MAP REVISED
SEPTEMBER 5, 2006

Federal Emergency Management Agency

[illegible]

(2) THIS PROJECT DOES NOT INVOLVE NEW CONSTRUCTION OR SUBSTANTIAL IMPROVEMENT OF PRE-FIRM CONSTRUCTION AND THEREFORE DOES NOT REQUIRE FLOOD ZONE COMPLIANCE AS PER BC G 105.3.

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Drawing Title: ZONING & FEMA MAPS, SPECIAL INSPECTIONS, BUILDING DEPARTMENT NOTES & LIST OF DRAWINGS													
DOB APPLICATION NUMBER:	X01204632												
Seal:	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"> Contract #: </td> <td style="width: 50%; padding: 5px;"> 20205400631 </td> </tr> <tr> <td style="padding: 5px;"> Project #: </td> <td style="padding: 5px;"> PW77198EV </td> </tr> <tr> <td style="padding: 5px;"> Drawn by: </td> <td style="padding: 5px;"> NAJMERI </td> </tr> <tr> <td style="padding: 5px;"> Checked by: </td> <td style="padding: 5px;"> KNW </td> </tr> <tr> <td style="padding: 5px;"> Date: </td> <td style="padding: 5px;"> 10/20/2022 </td> </tr> <tr> <td colspan="2" style="text-align: center; padding: 20px;"> T-001.00 SHEET 2 OF 20 </td> </tr> </table>	Contract #:	20205400631	Project #:	PW77198EV	Drawn by:	NAJMERI	Checked by:	KNW	Date:	10/20/2022	T-001.00 SHEET 2 OF 20	
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Date:	10/20/2022												
T-001.00 SHEET 2 OF 20													

1. THE ARCHITECT DOES NOT CERTIFY DIMENSIONS OR CONDITIONS OF EXISTING CONSTRUCTION. CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCY BETWEEN DRAWINGS & EXISTING CONDITIONS. IN ADDITION, CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DEFECTIVE CONSTRUCTION UNCOVERED DURING CONSTRUCTION.
2. THE WORK SHALL BE IN CONFORMANCE WITH APPLICABLE CODES AS WELL AS THE REQUIREMENTS, RULES, REGULATIONS OF ALL AGENCIES HAVING JURISDICTION. ALL PERMITS, FEES, LICENSES AND INSPECTIONS WILL BE SECURED & PAID FOR BY THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR SHALL GIVE ALL NOTICES REQUIRED BY LAW AS WELL AS PERFORM ALL TESTING AND INSPECTIONS, UNLESS OTHERWISE NOTED. NO WORK SHALL START UNTIL A BUILDING PERMIT ISSUED. IN ALL CASES, THE CONTRACTOR SHALL FOLLOW THE MOST RESTRICTIVE LIMITATION OF ANY APPLICABLE REQUIREMENTS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR SHORING UP EXISTING STRUCTURE DURING DEMOLITION & CONSTRUCTION, & SHALL MAINTAIN THE STABILITY OF THE EXISTING BUILDING.
4. THE CONTRACTOR SHALL BE LIABLE FOR & REPAIR ANY DAMAGES TO THE OWNER'S PROPERTY RESULTING FROM HIS WORK.
5. ALL CONSTRUCTION SCRAPS, DIRT, & DEBRIS SHALL BE REMOVED FROM THE PREMISES DAILY. AT THE COMPLETION OF THE WORK, THE PREMISES SHALL BE LEFT IN A PROFESSIONAL, CLEAN CONDITION.
6. CONTRACTOR SHALL DEVISE & PROVIDE PROTECTIVE MEASURES TO INSURE THE SAFETY OF THE OWNER, THE TENANTS, AND THE GENERAL PUBLIC.
7. CONTRACTOR SHALL DO ALL THE NECESSARY CUTTING & PATCHING FOR THE COMPLETION OF THE NEW WORK. HOWEVER, EXISTING BEAMS OR STRUCTURAL MEMBERS SHALL NOT BE CUT OR NOTCHED WITHOUT CONSULTATION WITH THE ARCHITECT.
8. WHERE EXISTING EQUIPMENT OR CONSTRUCTION IS REMOVED OR ALTERED, ALL REMAINING SURFACES & FINISHES AFFECTED SHALL BE PATCHED & FINISHED TO MATCH ADJACENT CONSTRUCTION/PRE EXISTING CONDITION.
9. WHERE NEW HEATING, ELECTRICAL, & PLUMBING LINES ARE CONTROLLED IN WALLS OR CEILING, THE FINISH SURFACE SHALL NOT BE INSTALLED UNTIL THE NEW HEATING, ELECTRICAL & PLUMBING LINES HAVE BEEN TESTED & INSPECTED BY ENGINEER & MUNICIPAL AUTHORITIES.
10. ALL MATERIALS, ASSEMBLIES, FORMS & METHODS OF CONSTRUCTION & SERVICE EQUIPMENT SHALL MEET THE FOLLOWING REQUIREMENTS:
 - A. IT SHALL HAVE BEEN ACCEPTABLE PRIOR TO THE EFFECTIVE DATE OF THE CODE BY THE BOARDS, OR
 - B. IT SHALL HAVE BEEN ACCEPTED FOR USE UNDER THE PRESCRIBED CODE TEST METHODS BY THE COMMISSIONER.
11. INSPECTION REQUIREMENTS SHALL BE AS PER LOCAL BUILDING DEPARTMENT REGULATIONS.
12. ALL MATERIALS, ASSEMBLIES & METHODS OF CONSTRUCTION REGULATED BY THE CODE & NOT LISTED AS SUBJECT TO CONTROLLED INSPECTION, SHALL BE SUBJECT TO SEMI-CONTROLLED INSPECTION BY THE PERSON SUPERINTENDING CONSTRUCTION. SIGNED COPIES OF ALL TEST & INSPECTION REPORTS SHALL BE FILED THROUGH THE DEPARTMENT WITH THE NEW YORK CITY DEPARTMENT OF BUILDINGS.
13. ALL MATERIALS, ASSEMBLIES & METHODS OF CONSTRUCTION REGULATED BY RATING SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:
 - A. IT SHALL CONFORM WITH NFPA "FIRE RESISTANCE RATINGS - DEC. 1964", OR
 - B. IT SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ASTM E-814-1961, "STANDARD METHODS OF FIRE TESTS OF BUILDING CONSTRUCTION MATERIALS", & ACCEPTED BY THE COMMISSIONER, OR
 - C. IT SHALL HAVE BEEN ACCEPTABLE PRIOR TO THE EFFECTIVE DATE ON THE CODE.
14. DUCTS, PIPES & CONDUITS PASSING THROUGH RATED CONSTRUCTION SHALL HAVE SPACES NOT EXCEEDING 1/2" FIRE STOPPED WITH NON-SHRINKING GROUT & CLOSED OFF WITH CLOSE FITTING METAL ESCUTCHEONS.
15. INTERIOR FINISH: MATERIALS SHALL BE CLASSIFIED IN ACCORDANCE WITH THE SURFACE FLAME SPREAD RATING OBTAINED ACCORDANCE AS PRESCRIBED IN FEMA E-84-1961 "STANDARD METHOD OF TEST FOR SURFACES BURNING CHARACTERISTICS OF BUILDING MATERIALS". CONTRACTOR TO SUBMIT LIST OF FINISH MATERIAL TO THE BUILDING DEPARTMENT FOR APPROVAL & ACCEPTANCE PRIOR TO USE OF FINISH MATERIALS, & SHALL COMPLY LOCAL REGULATIONS.
16. ALL EXITS SHALL BE KEPT READILY ACCESSIBLE & UNOBSTRUCTED AT ALL TIMES.
17. ILLUMINATION OF AT LEAST 5 FOOT CANDLES MEASURED AT THE FLOOR LEVEL SHALL BE MAINTAINED CONTINUOUSLY DURING OCCUPANCY, IN EXITS & THEIR ACCESS FACILITIES.
18. DIMENSIONS BEARING THIS SIGN -"A" ARE FOR GUIDANCE ONLY SHALL NOT BE USED FOR LAYOUT OF WORK.
19. GENERAL CONTRACTOR SHALL SECURE ALL REQUIRED PERMITS & APPROVALS FROM ALL DEPARTMENTS HAVING JURISDICTION & SHALL OBTAIN BUILDING DEPARTMENT CERTIFICATE OF OCCUPANCY UPON COMPLETION OF WORK.
20. MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER CONSTRUCTION OF ANY PART OF THE WORK SHALL BE INCLUDED AS IF THEY WERE INDICATED IN THE DRAWINGS.
21. THE CONTRACTOR SHALL COORDINATE ALL WORK PROCEDURES WITH REQUIREMENTS OF LOCAL AUTHORITIES & BUILDING MANAGEMENT.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE

THE CONTRACTOR SHALL LAY OUT HIS OWN WORK & SHALL PROVIDE ALL DIMENSIONS REQUIRED FOR OTHER TRADES (PLUMBING, ELECTRICAL, ETC).

26. ALL PIPING & WIRING INDICATED FOR REMOVAL SHALL BE REMOVED TO A POINT OF CONCEALMENT & SHALL BE PROPERLY CAPPED OR PLUGGED. ELEC. SERVICES TO BE ABANDONED ARE TO BE TRACED BACK TO PANEL & DISCONNECTED.

27. CONTRACTOR IS RESPONSIBLE FOR ASCERTAINING CONSTRUCTION RULES & REGULATIONS OF THE BUILDINGS MANAGEMENT & FOR ACCOMMODATING THESE REQUIREMENTS IN THEIR PRICE.

28. ALL WORK IS TO CONFORM WITH DRAWINGS & SPECIFICATIONS.

29. THE CONTRACTOR IS TO MAINTAIN A COMPLETE & UP TO DATE SET OF DRAWINGS ON THE JOB AT ALL TIMES INCLUDING THE CONTRACT DOCUMENTS & SHOP DRAWINGS.

30. DRAWINGS ARE NOT TO BE SCALED.

31. THE CONTRACTOR SHALL CONTINUOUSLY MAINTAIN ADEQUATE PROTECTION OF ALL REMAINING EXISTING CONDITIONS & NEW WORK FROM DAMAGE. HE SHALL PROTECT THE TENANT & THE BUILDING'S PROPERTY FROM INJURY OR LOSS ARISING IN CONNECTION WITH THE WORK. ALL FINISHED SURFACES SHALL BE PROTECTED BY THE CONTRACTOR GENERALLY, BUT NOT LIMITED TO: DOORS, JAMBS, & PASSAGEWAYS. THE CONTRACTOR SHALL, WITHOUT EXTRA COMPENSATION, REFINISH ALL SURFACES IN SUCH SITUATIONS WHERE THOSE SURFACES ARE DAMAGED TO HAVE BEEN INADEQUATELY PROTECTED BY THE CONTRACTOR.

32. THERE SHALL BE NO SUBSTITUTIONS OF ANY MATERIAL WHERE SPECIFIC MANUFACTURERS ARE SPECIFIED, WHERE APPROVED EQUAL IS USED IT SHALL BE UNDERSTOOD THAT THE SUBSTITUTE SHALL BE BY JUDGMENT & APPROVAL OF ARCHITECT & NOTIFICATION TO ARCHITECT TO BE MADE PRIOR TO INSTALLATION.

33. THE CONTRACTOR SHALL CONSULT WITH & ADHERE TO REGULATIONS OF THE BUILDING AS TO TIME & METHOD OF DELIVERY, DEBRIS REMOVAL, USE OF BUILDING ELEVATORS, HOURS OF DEMOLITION & NOISY CONSTRUCTION & MAKING ARRANGEMENTS FOR CONSTRUCTION PERSONNEL TO ENTER BUILDING.

34. ALL WORK SHALL BE GUARANTEED FOR THE PERIOD OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION OR ANY OWNER OWNED DEFECTS IN WHICHEVER IS LATER, UPON THE CLIENT REFER TO GENERAL CONDITIONS FOR ADDITIONAL GUARANTEE REQUIREMENTS.

35. THE CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY ERRORS, OMISSIONS, CONFLICTS OR AMBIGUITIES BETWEEN THE PLANS, DRAWINGS & SPECIFICATIONS PRIOR TO PROCEEDING WITH THAT PORTION OF THE WORK. IF SUCH NOTICE IS NOT FURNISHED ARCHITECT, THE CONTRACTOR SHALL BE DEEMED TO HAVE INSPECTED THE PLANS, DRAWINGS, & SPECIFICATIONS & TO HAVE FOUND THEM IN PROPER FORM FOR EXECUTION.

36. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DISTRIBUTE ADEQUATE COPIES OF THESE DRAWINGS TO ALL APPLICABLE TRADES AT ALL TIMES DURING THE PROGRESS OF THE JOB (I.E. REVISIONS).

37. CONTRACTOR IS REQUIRED, PRIOR TO BID, TO FIELD CHECK CONDITIONS OF EXISTING STRUCTURE (I.E. ARCH, BEAMS, SLABS, ETC.) INCLUDING INTEGRITY OF EXISTING FIREPROOFING & TO INCLUDE ALL COSTS, ALL NECESSARY FOR SUPPORTS & BRACING FOR ALL WORK. ALL SUPPORT METHODS SHALL MEET ALL APPLICABLE CODES & AGENCY REQUIREMENTS & BUILDING STANDARDS. NO ADDITIONAL COSTS FOR SUPPORTS WILL BE ACCEPTED AFTER THE BID. IN ADDITION, SAID INSPECTION & REQUIRED WORK FOR FIREPROOFING & FIRE STOPPING OF EXISTING CONDITIONS SHALL BE INCLUDED IN THE BID.

38. CONSTRUCTOR SHALL SUBMIT FIVE (5) SETS OF SHOP DRAWINGS & THREE (3) PRODUCT SAMPLES AS REQUIRED BY ARCHITECT & OTHER PROJECT CONSULTANTS FOR ARCHITECT REVIEW PRIOR TO COMMENCEMENT OF WORK.

39. PARTITIONS OR Baffles EXTENDING TO THE SLAB, WHERE SPECIFIED SHALL BE SEALED TO THE SLAB, PERIMETER WALL & AROUND PENETRATIONS, SUCH AS PIPES, DUCTS, ETC.

40. ALL EXISTING WALLS TO REMAIN, WHERE AFFECTED BY DEMOLITION & OR NEW CONSTRUCTION, TO BE PATCHED, PROVIDE CORNER BEADS IF REQUIRED, TAPE & SPACKLE. PREPARE TO ACCEPT NEW FINISHES.

41. ALL WORK SHALL COMPLY WITH APPLICABLE LOCAL & MUNICIPAL BUILDING CODES AS WELL AS ANY & ALL REGULATORY AGENCIES INCLUDING, BUT NOT LIMITED TO OSHA, AMERICAN DISABILITIES ACT (ADA), ETC. GENERAL NOTES SHALL APPLY TO ALL DRAWINGS.

42. THE CONTRACTOR SHALL INCLUDE IN THEIR BID ALL COSTS FOR DISCONNECTION, TRANSPORTATION, & REINSTALLATION OF ALL ITEMS AT THE OWNER'S EXISTING PREMISES WHICH ARE DESIGNATED TO BE RELOCATED.

43. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL COORDINATED SHOP DRAWINGS OF ALL TRADES HAVING AN IMPACT ON EACH OTHER, INCLUDING BUT NOT LIMITED TO HVAC, SPRINKLER, PLUMBING, CEILING, LIGHTING, ETC. IF CONFLICTS OCCUR AFTER INSTALLATION OF ANY TRADE'S WORK, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RECTIFY SAME AT NO COST TO THE OWNER.

44. CONTRACTOR TO PROVIDE A SYSTEM OF TEMPORARY LIGHTS THROUGHOUT THE SPACE DURING DEMOLITION & CONSTRUCTION.

45. SECURITY & BUILDING ACCESS: CONTRACTOR TO ENSURE THAT ALL PERSONNEL SIGN IN DAILY AT THE RECEPTION DESK.

46. CONSTRUCTION AND DELIVERY HOURS: CONSTRUCTION AND DELIVERY ACTIVITIES MUST ADHERE TO STANDARD CLIENT V.I.P. SCHEDULE. NOISY OPERATIONS LIKE DEMOLITION OR DRILLING WILL REQUIRE ADVANCE NOTICE AND APPROVAL BY CLIENT.

G.C. SHALL NOTIFY BUILDING MANAGEMENT, TELEPHONE CO. & BUILDING ELECTRICIAN TO COORDINATE ALL WORK @ ACCESS PANELS.

2. G.C. SHALL TAKE EVERY PRECAUTION TO PROPERLY PROTECT ALL EXISTING CONSTRUCTION AND STRUCTURES TO REMAIN INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

A. ELEVATORS TO BE LINED WITH PROTECTION ON WALLS AND FLOORS.

B. FLOORS TO BE COVERED WITH ADEQUATE PROTECTION SUCH AS MDF BOARD, ETC.

C. WALL SURFACES TO BE COVERED WITH ADEQUATE PROTECTION.

3. G.C. SHALL SCHEDULE CONSTRUCTION IN SUCH A MANNER SO AS NOT TO DISTURB AREAS OUTSIDE OF THE AREA CURRENTLY UNDER CONSTRUCTION DURING NORMAL OPERATING HOURS.

G.C. SHALL COORDINATE WITH ARCHITECT & BUILDING MANAGEMENT PRIOR TO ANY DISRUPTION OF SERVICES TO THOSE AREAS NOT UNDER CONSTRUCTION EVEN IF SUCH DISRUPTION OCCURS AFTER NORMAL OPERATING HOURS.

4. G.C. AT ALL TIMES, SHALL KEEP THE PREMISES FREE FROM ACCUMULATED WASTE BY CONSOLIDATING EXCESS MATERIAL DEBRIS CAUSED BY HIS OPERATION. G.C. SHALL NOT UNREASONABLY ENCUMBER THE SITE WITH ANY MATERIAL OR EQUIPMENT & MUST REMOVE ALL OR ANY FROM THE JOB SITE AT THE TIME OF COMPLETION.

5. G.C. SHALL SUBMIT TO THE ARCHITECT & BUILDING MANAGEMENT A GRAPHIC CONSTRUCTION SCHEDULE INDICATING SEQUENCING & COORDINATION OF ALL TRADES DURING EACH PHASE OF CONSTRUCTION, FROM COMMENCEMENT TO CONCLUSION.

6. LOCATION OF REQUIRED ACCESS PANELS, IF ANY, MUST BE APPROVED BY ARCHITECT BEFORE INSTALLATION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE SAID ACCESS PANELS AS PART OF HIS BASE, BID WHETHER SHOWN OR IMPLIED BY THE DRAWINGS OR REQUIRED BY FIELD CONDITIONS. PANELS VISIBLE IN GYPSUM BOARD WALL OR CEILING LOCATIONS SHALL BE GYPSUM BOARD FILL PANEL TYPE.

7. PROVIDE FIRE/SMOKE STOPPING AROUND ALL PENETRATIONS THROUGH FIRE RATED/DEMISING PARTITIONS & SLABS. REFER TO FIRE STOPPING NOTES IN THE GENERAL NOTE SHEETS FOR MORE INFORMATION.

REFLECTED CEILING NOTES:

1. CEILINGS TO BE INSTALLED ACCORDING TO STANDARD CONSTRUCTION PRACTICES.

2. ALL DIMENSIONS OF LIGHTING FIXTURES ARE GIVEN CENTER LINE TO CENTER LINE, UNLESS OTHERWISE INDICATED.

3. ALL PIPES & DUCTS SHALL BE ABOVE HUNG CEILING.

4. INSTALL LIGHT FIXTURES IN STRICT CONFORMANCE WITH MANUFACTURER'S SPECIFICATIONS & INSTRUCTIONS.

5. ARCHITECT DRAWINGS TO BE USED FOR DIMENSIONAL HEIGHTS, LOCATIONS, & FINISHES FOR ALL LIGHT FIXTURES, SWITCHES, ETC. REFER TO ENGINEERING DRAWINGS FOR ALL CIRCUITING & POWER REQUIREMENTS. ALL DIMENSIONS TO BE VERIFY IN FIELD.

6. CONTRACTOR SHALL CHECK, VERIFY, & COORDINATE ALL CEILING PLENUM CONDITIONS FOR REQUIRED CLEARANCES OF DUCTWORK, LIGHT FIXTURES, SPRINKLERS, ETC., BEFORE PROCEEDING WITH WORK & SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES. ANY COSTS INCURRED BY THE CONTRACTOR IN REPOSITIONING CEILING FITTINGS DURING CONSTRUCTION DUE TO CONFLICTS OF SERVICE RUNS WILL BE BORNE BY THE CONTRACTOR.

7. G.C. TO IMMEDIATELY NOTIFY ARCHITECT OF ANY ADVERSE FIELD CONDITIONS OR CONFLICTS BETWEEN EQUIPMENT & PROPOSED LAYOUT PRIOR TO INSTALLATION OF GRID, EQUIPMENT, & FIXTURES.

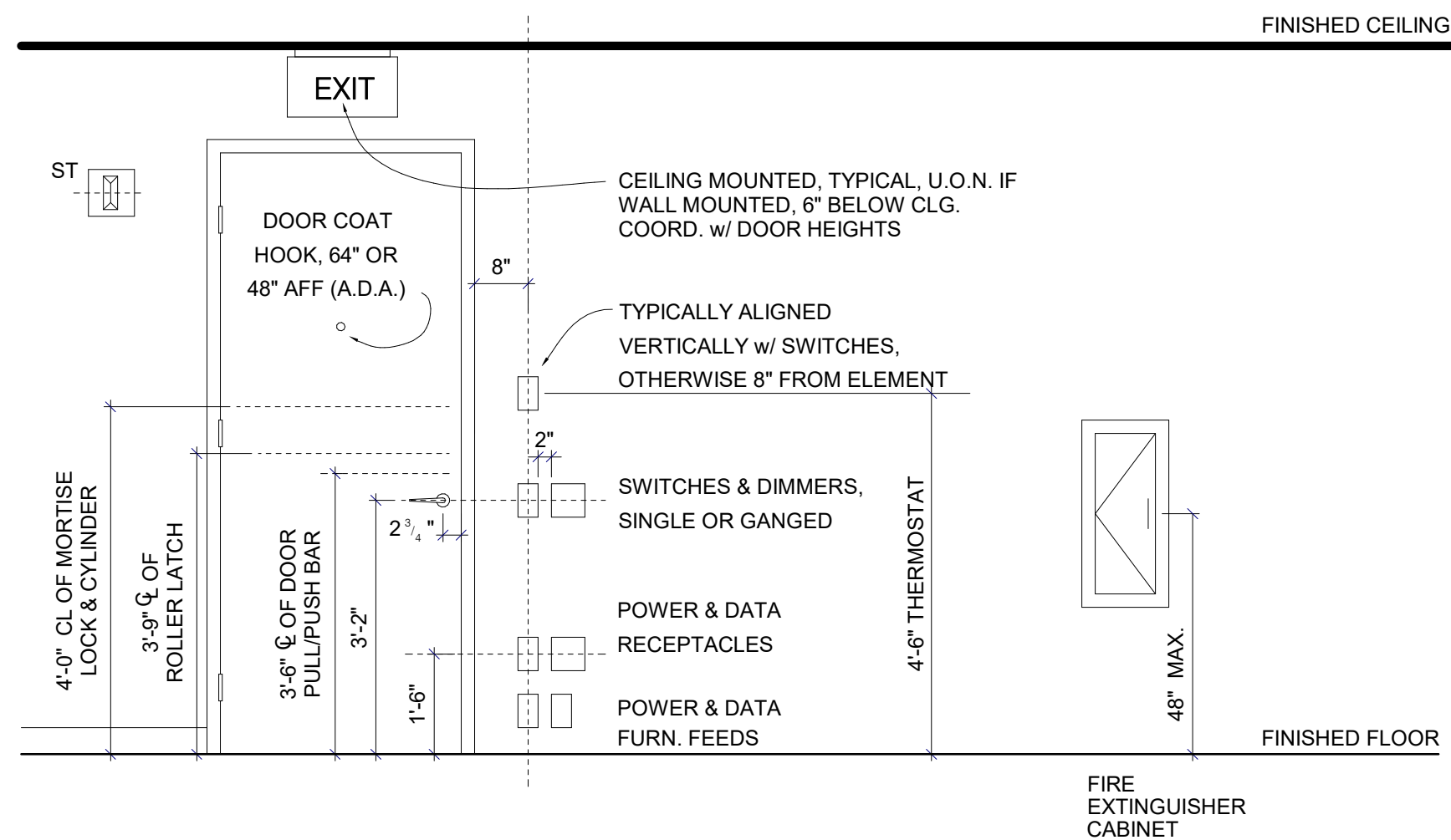
ANGLE	EIFS	EXTERIOR INSULATION	LAB	LABORATORY
@	AT	& FINISH SYSTEM	LAM	LAMINATE
AB	ANCHOR BOLT	EXPANSION JOINT	LAV	LAVATORY
ABV	ABOVE	ELEVATION	LBS	POUNDS
A/C	AIR CONDITIONING	ELECTRICAL	LF	LINEAR FEET (FOOT)
ACP	ACOUSTICAL CEILING PANEL	ELEVATOR	LH	LEFT HAND
ACT	ACOUSTICAL CEILING TILE	EMER	LKR	LOCKER
ADJ	ADJUSTABLE	EPBD	LT	LIGHT
AFF	ABOVE FINISHED FLOOR	EPS	LV	LOUVER
AHU	AIR HANDLING UNIT	EPX	LW	LIGHTWEIGHT
ALT	ALTERNATE	EQ		
ALUM	ALUMINUM	EQUIP		
AP	ACCESS PANEL	EWC		
APC	ARCH. PRECAST CONCRETE	EXH	M	METER(S)
APPR	APPROXIMATE	EXIST	MACH	MACHINE
ARCH	ARCHITECT(URAL)	EXP	MAS	MASONRY
ASB	ASBESTOS	EXT	MATL	MATERIAL
ATTEN	ATTENUATION		MAX	MAXIMUM
AUTO	AUTOMATIC	FB	MB	MARKERBOARD
AVG	AVERAGE	FD	MECH	MECHANICAL
AWP	ACOUSTICAL WALL PANEL	FE	MED	MEDIUM
		FEC	MEMB	MEMBRANE
BC	BOTTOM OF CURB	FF	MFR	MANUFACTURER
BBDD	BULLETPROOF BOARD	FFE	MH	MANHOLE
BD	BOARD	FGL	MIN	MINIMUM
BLDG	BUILDING	FH	MIR	MIRROR
BLK	BLOCK	FHC	MISC	MISCELLANEOUS
BLKG	BLOCKING	FHV	MLDG	MOLDING
BM	BENCH MARK	FIN	MO	MASONRY OPENING
BOT	BOTTOM OF CURB	FIX	MR	MAP RAIL
BRG	BEARING	FLR	MT	MOUNT
BRK	BRICK	FLUR	MTD	MOUNTED
BSMT	BASEMENT	FND	MTG	MOUNTING
BTWN	BETWEEN	FR	MTL	METAL
		FRM	MUL	MULLION
		FRP	MWP	MEMBRANE WATERPROOFING
		FRT		
C	CARPET	FT	N	NORTH
CAB	CABINET	FTG	NIC	NOT IN CONTRACT
CBD	CHALKBOARD	FURN	NO	NUMBER
CCTV	CLOSED CIRCUIT TELEVISION	FURR	NOM	NOMINAL
CFM	CUBIC FEET PER MINUTE	FVC	NRC	NOISE REDUCTION COEFFICIENT
CG	CORNER GUARD		NTS	NOT TO SCALE
CI	CAST IRON	G		
CIP	CAST-IN-PLACE CONCRETE	GA	OC	ON CENTER
CJ	CONTROL JOINT	GAL	OD	OUTSIDE DIAMETER
CL	CENTERLINE	GALV	OH	OVERHEAD
CLG	CEILING	GR	OPNG	OPENING
CLOS	CLOSET	GC	OPP	OPPOSITE
CLR	CLEAR	GCMU		
CM	CENTIMETER	GEN	PRKG	PARKING
CMU	CONCRETE MASONRY UNIT	GFCI	PC	PRECAST
CNTR	COUNTER	GL	PERF	PERFORATE(D)
CO	CLEAN OUT	GR	PERM	PERIMETER
COL	COLUMN	GS	PIP	POURED IN PLACE
CONC	CONCRETE	GWT	PL	PROPERTY LINE
CONST	CONSTRUCTION(ION)	GYP		
CONT	CONTINUOUS		PLAM	PLASTIC LAMINATE
CONTR	CONTRACT(OR)	HB	PLAS	PLASTER
CORR	CORRIDOR	HBC	PLUMB	PLUMBING
CRS	CLASSROOM	HC	PLYWD	PLYWOOD
CPT	CARPET TILES	HDR	PNL	PANEL
CTSK	COUNTERSINK	HDWD	PNT	PAINT
CT	CERAMIC TILE	HDWR	POLY	POLYETHYLENE
CUH	CABINET UNIT HEATER	HGT	PR	PAIR
CU YD	CUBIC YARD	HIM	PREFAB	PREFABRICATE(D)
CW	COLD WATER	HORIZ	PREP	PREPARE
		HP	PROJ	PROJECT
DBL	DOUBLE	HR	PSF	POUNDS PER SQUARE FOOT
DEM	DEMOLISH, DEMOLITION	HS	PSI	POUNDS PER SQUARE INCH
DEPT	DEPARTMENT	HT	PT	PORCELAIN TILE
DF	DRINKING FOUNTAIN	HTR	FTN	PARTITION
DG	DOOR GRILLE	HVAC	PVC	POLYVINYL CHLORIDE
DI	DROP INLET	HW	PVMT	PAVEMENT
DIAG	DIAGONAL	ID		
	DIAMETER	IN	QT	QUARRY TILE
DIM	DIMENSION	INCL	QTY	QUANTITY
DIV	DIVISION	INFO		
DMT	DEMOUNTABLE	INST	R	RISER
DN	DOWN	INSUL	RA	RETURN AIR
DP	DAMP-PROOFING	INT	RAD	RADIUS
DR	DOOR	JAN	RB	RUBBER BASE
DS	DOWN SPOUT	JB	RD	ROOF DRAIN
DT	DRAIN TILE	JCT	RECP	RECEPTACLE
DTL	DETAIL	JST	REF	REFERENCE
DW	DRYWALL	JT	REFG	REFRIGERATOR
DWG	DRAWING	KIT	REINF	REINFORCE(D)(ING)
DWR	DRAWER	K-O	REQD	REQUIRED
			REQMT	REQUIREMENT
E	EAST		RES	RESILIENT
EA	EACH			
EF	EXHAUST FAN			

SYMBOLS:	RCP SYMBOLS:
COLUMN LINE DESIGNATIONS 	CEILING TYPE ACT: ACOUSTIC CEILING TILE GYP: BD: GYPSUM BOARD CEILING EXP. STR.: EXPOSED STRUCTURE CEILING HEIGHT
INTERIOR ELEVATIONS	RECESSED LIGHTING FIXTURE TYPE F2 2x4" (SEE ELEC.

ACT: ACOUSTIC CEILING TILE
 GYP. BD: GYPSUM BOARD CEILING
 EXP. STR: EXPOSED STRUCTURE

RECESSED LIGHTING FIXTURE
 TYPE F2 2x4' (SEE ELEC. DWGS)

SHEET 3 OF 20



ACCESSIBILITY NOTES:

CHAPTER 11 OF 2014 NYC BC AND 2009 ICC A117.1

1. FLOOR SURFACES ALONG ACCESS ROUTES AND IN ACCESS ROOMS SHALL BE MADE STABLE, FIRM, AND SLIP RESISTANT IN COMPLIANCE WITH SECTION 4.5.1.

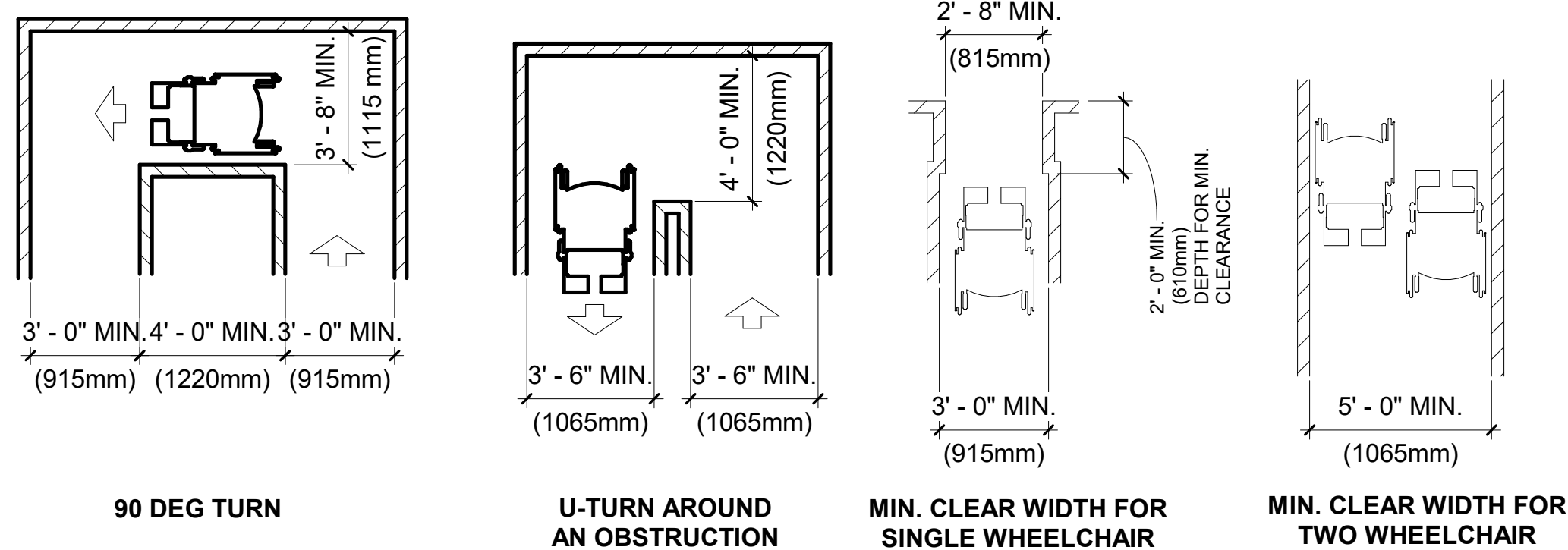
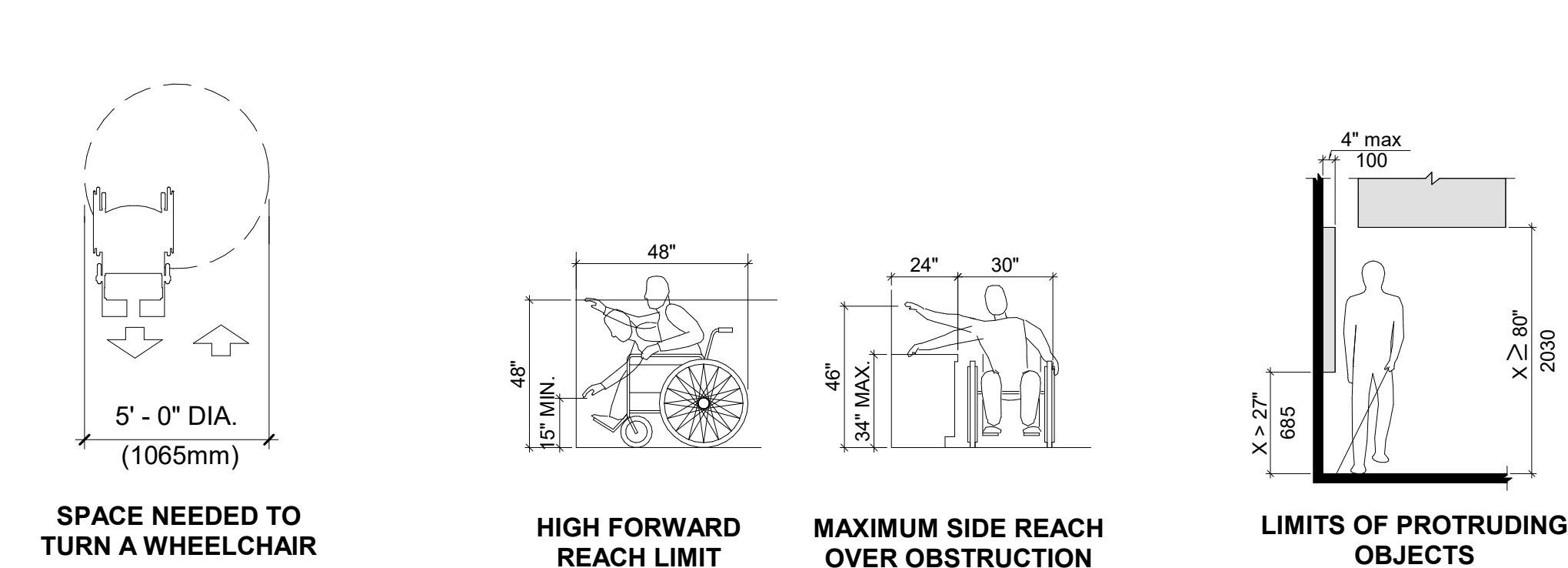
2. DOOR WIDTHS SHALL BE A MINIMUM OF 34" IN COMPLIANCE WITH SECTION 4.13.5.

3. THRESHOLDS AT DOORWAYS WILL NOT EXCEED 1/2" IN HEIGHT AS PER SECTION 4.13.8.

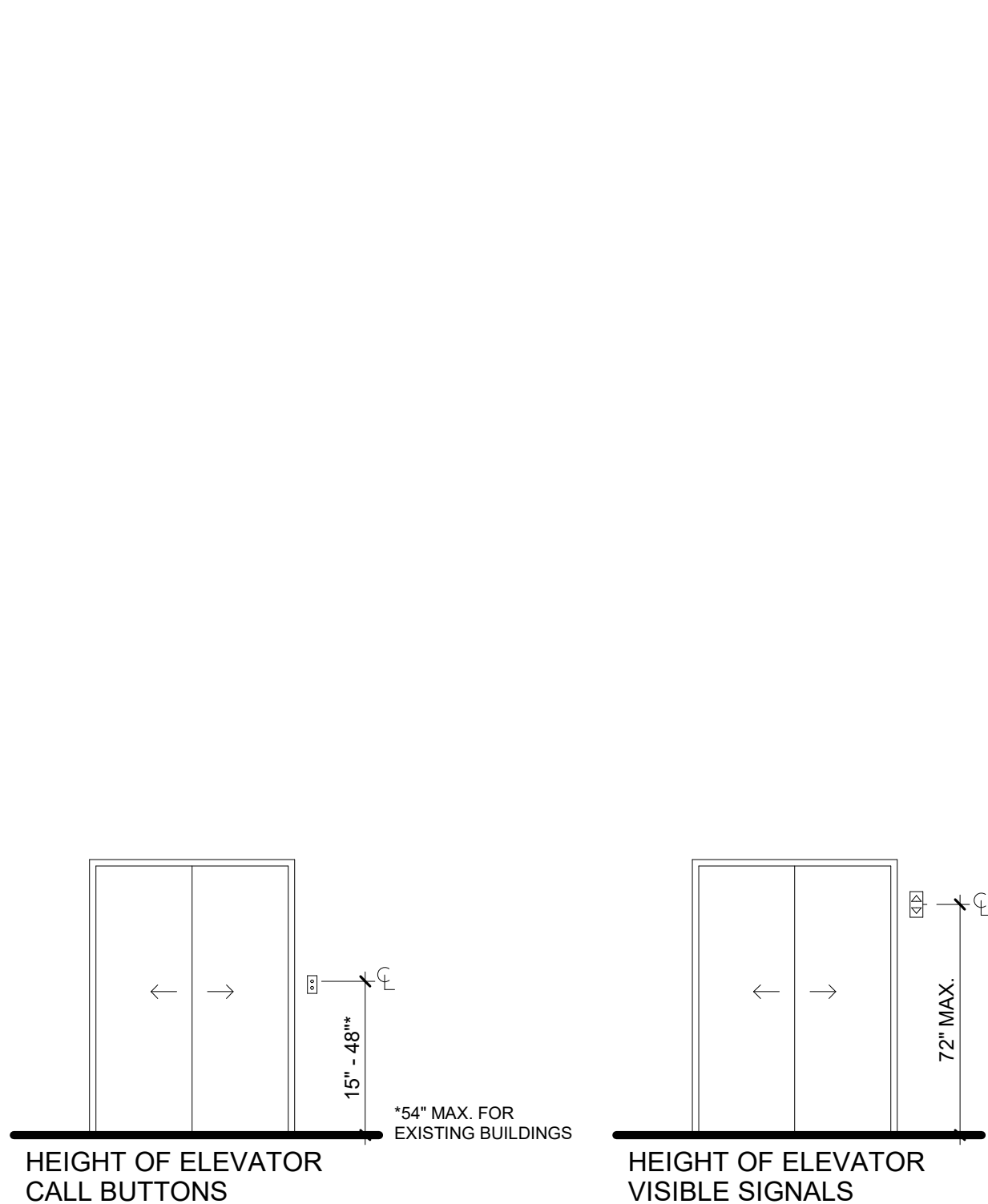
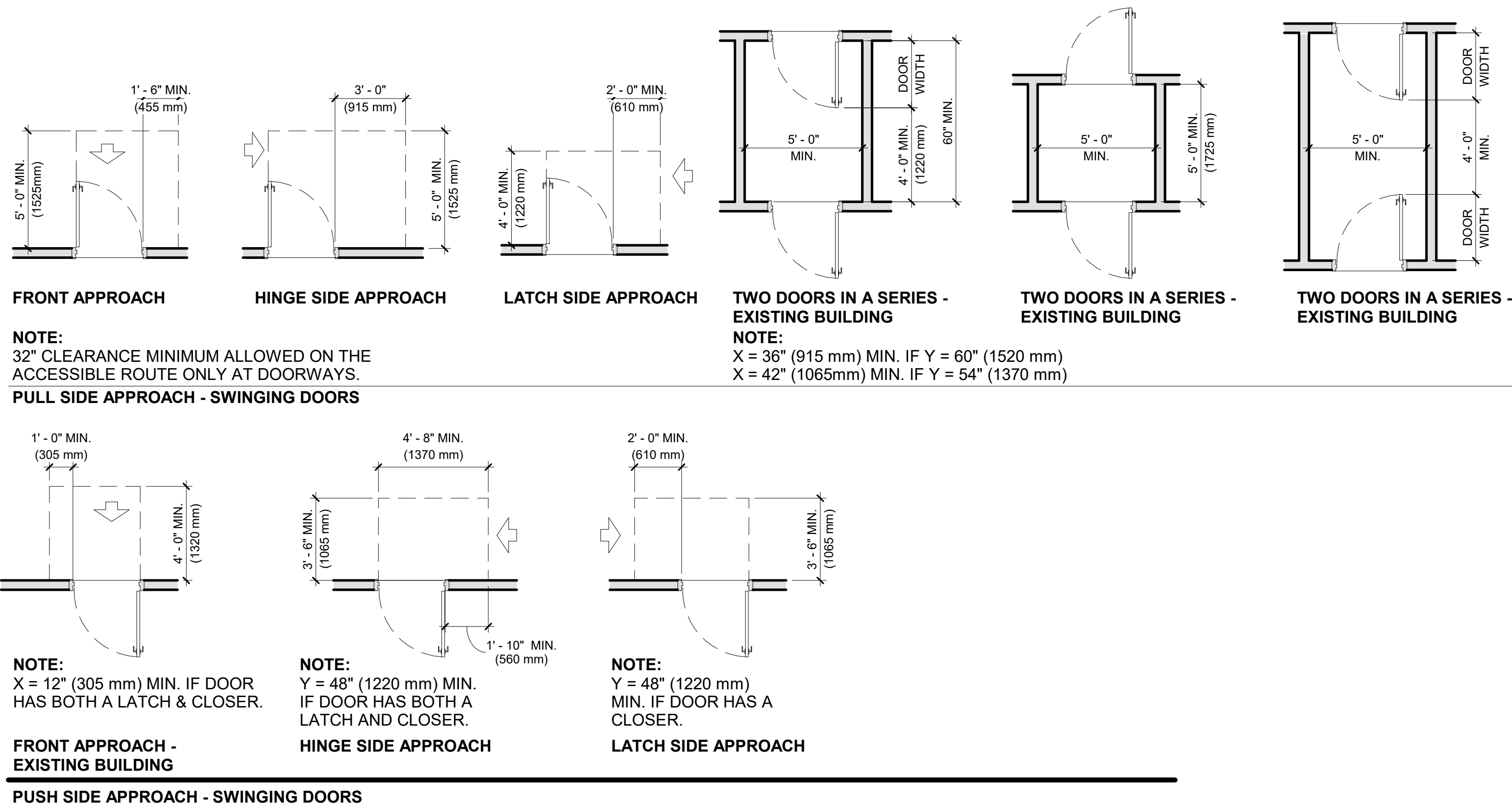
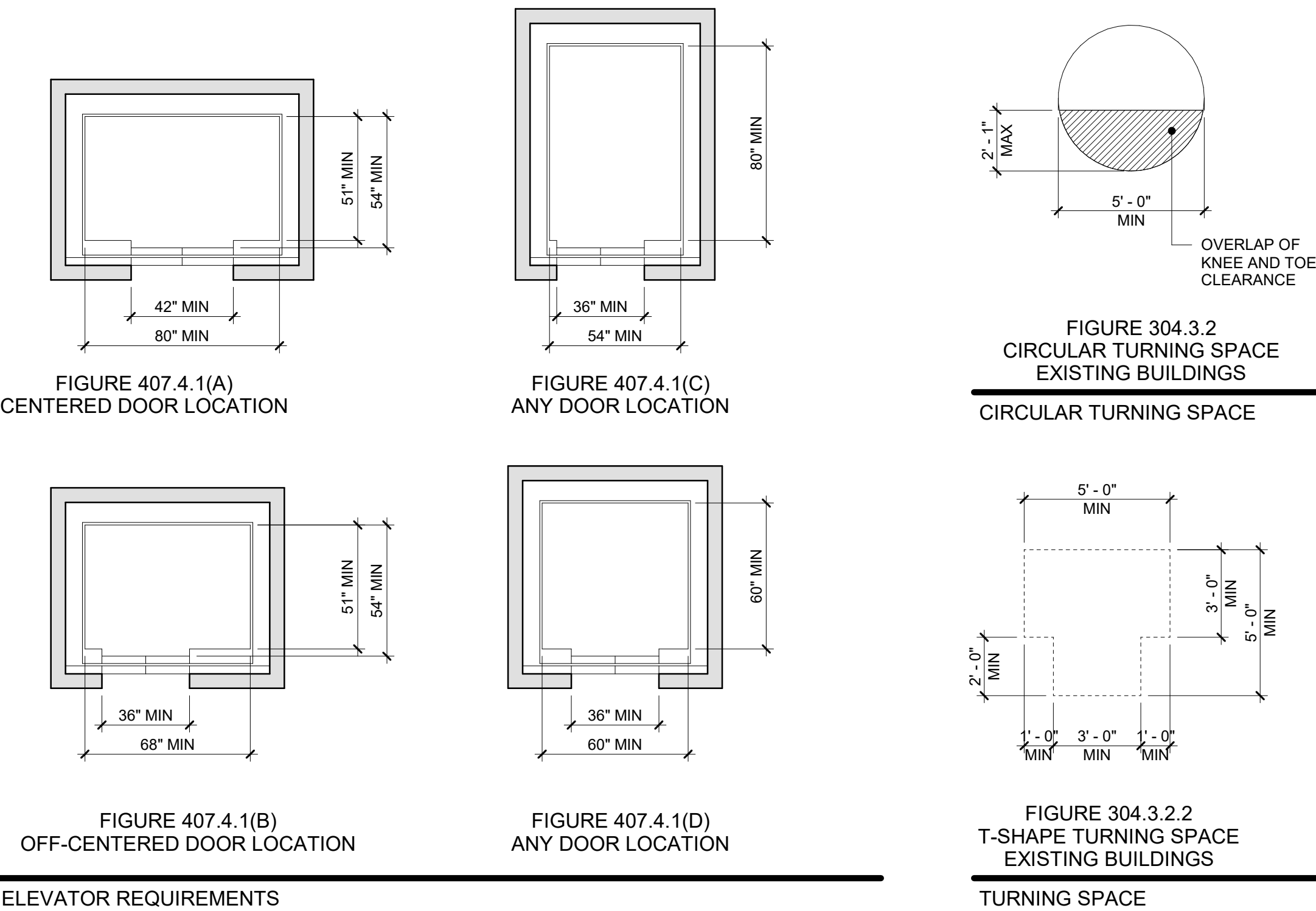
4. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL BE MADE TO COMPLY WITH SECTION 4.13.9.

5. GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS SHALL BECOME FAMILIAR WITH ADA & ANSI MINIMUM CLEARANCES AND SHALL INFORM THE ARCHITECT OF ANY AND ALL CONFLICTS WITH COMPLYING WITH THOSE MINIMUM CLEARANCES AND STANDARDS.

6. ANSI/ADA ACCESSIBILITY STANDARDS AND MINIMUM CLEARANCES ARE INCLUSIVE OF, BUT NOT LIMITED TO, FIGURES DESCRIBED ABOVE. GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS SHALL REFER TO APPLICABLE LITERATURE.



FOR MORE OPTIONS SEE ICC A117.1 2009 CHAPTER 4



ARCHITECTURAL

 **LiRo Architects + Planners, P.C.**
A LiRo-Hill Company

The LiRo Group
1 State Street, 28th Floor
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Tel. (212) 563-0280
Fax. (212) 563-1841
www.LiRo.com

VERTICAL TRANSPORTATION



Syska Hennessy Group
1185 Avenue of The Americas
New York, NY 10036

Tel.: (212)556-3379
www.Syska.com

MEPFAP

 **LiRo Engineers, Inc.**
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New York, NY 10004
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MEPFAPP



PL Engineering P.C.
486 Sunrise Highway, Suite 100B
Rockville Centre, NY 11570
Tel. (516) 599-0136
Fax. (516) 599-3419
www.plengineering.net

GENERAL NOTE:

1. THE CONTRACTOR TO VERIFY ALL FIELD CONDITIONS BEFORE PROCEEDING. TYP. FOR ALL ELEMENTS.

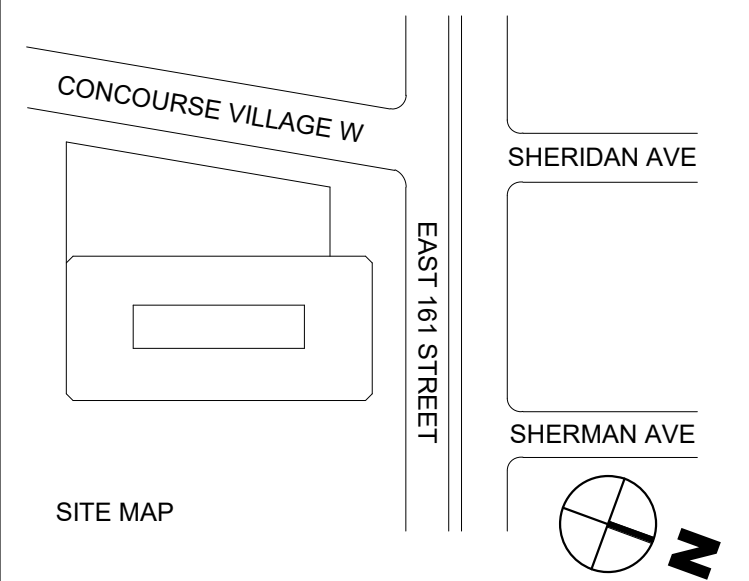
2. THE CONTRACTOR TO PROTECT ALL EXISTING ELEMENTS TO REMAIN, ANY DAMAGE TO THESE ELEMENTS DUE TO CONTRACTOR'S ACTION SHALL BE REPAIRED OR REPLACED IN KIND AT NO ADDITIONAL COST TO OWNER.

3. FORMAL TRANSPORTATION, MECHANICAL, ELECTRICAL, FIRE PROTECTION, FIRE ALARM & PLUMBING SCOPE OF WORK. SEE VT. MEP, FA & FP-DRAWINGS, TYP. FOR ALL SPACES IN THIS PROJECT.

4. THE CONTRACTOR SHALL DISMIS ALL LABOR AND MATERIALS AS REQUIRED TO COMPLETE DEMOLITION AND REMOVAL OF ALL ITEMS AS INDICATED ON THE DRAWINGS.

5. THE CONTRACTOR SHALL ERECT ALL NECESSARY PLASTIC AND CLOTH PARTITIONS TO PROTECT ADJACENT BUILDINGS PROPERLY, THE PUBLIC CORRIDOR AND ADJACENT SPACES, WHICH WILL NOT UNDERGO NEW CONSTRUCTION, FROM DUST AND DEBRIS WHILE DEMOLITION AND CONSTRUCTION ARE IN PROGRESS.

6. THE CONTRACTOR SHALL PROVIDE DEMOLITION AND CONSTRUCTION, THE G.C. SHALL PROVIDE THAT ALL AREAS BE LEFT BROOM CLEAN.



BID SET SUBMISSION	CD	PS	03.20.2026	1
Revision / Issue	Approved	Reviewed	Date	No



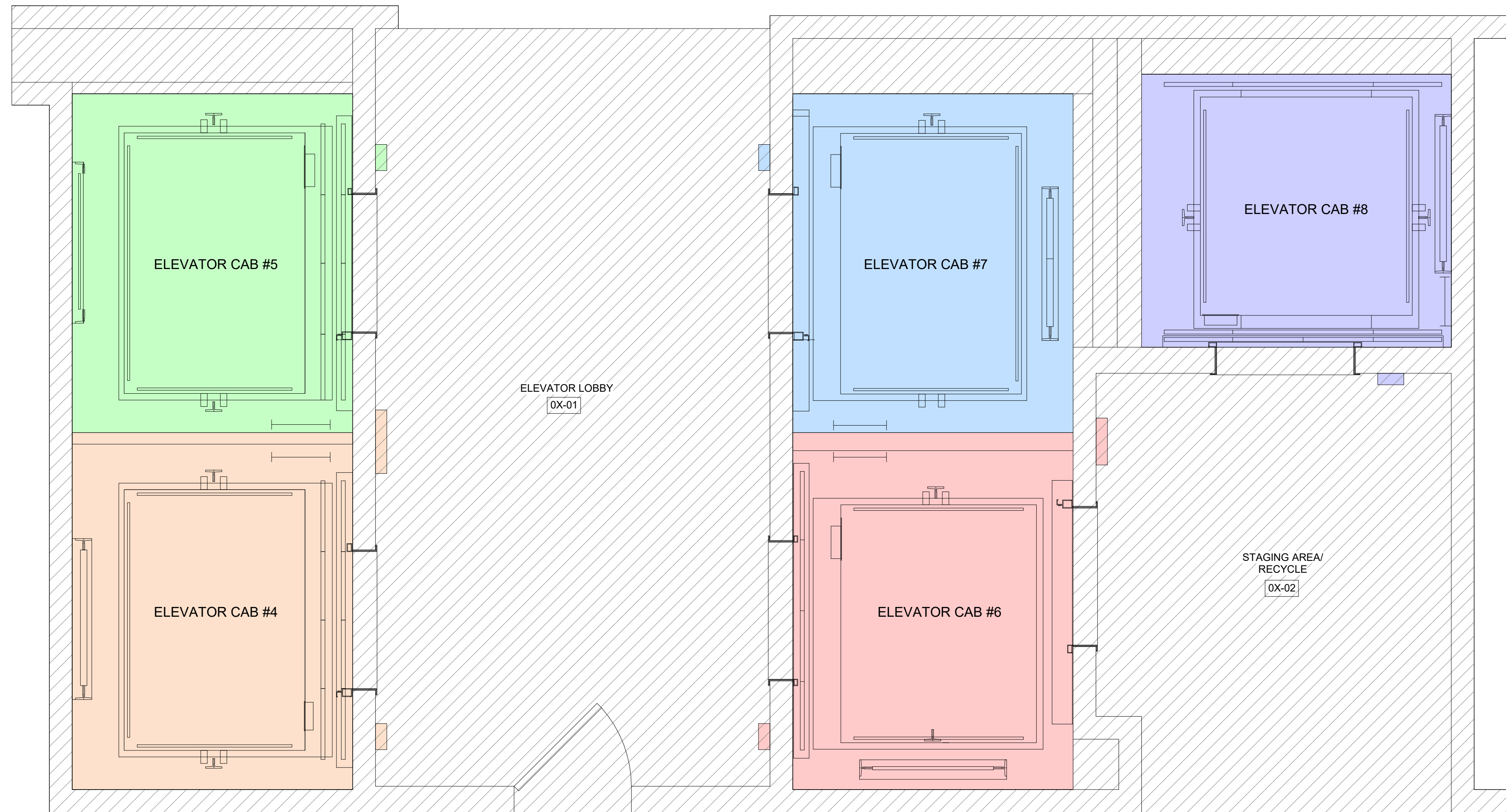
Project: 198 E161 Street - Elevators Modernization
Address: 198 E161 Street, Bronx, NY 10451

Sponsor Agency:
Sponsor Address:

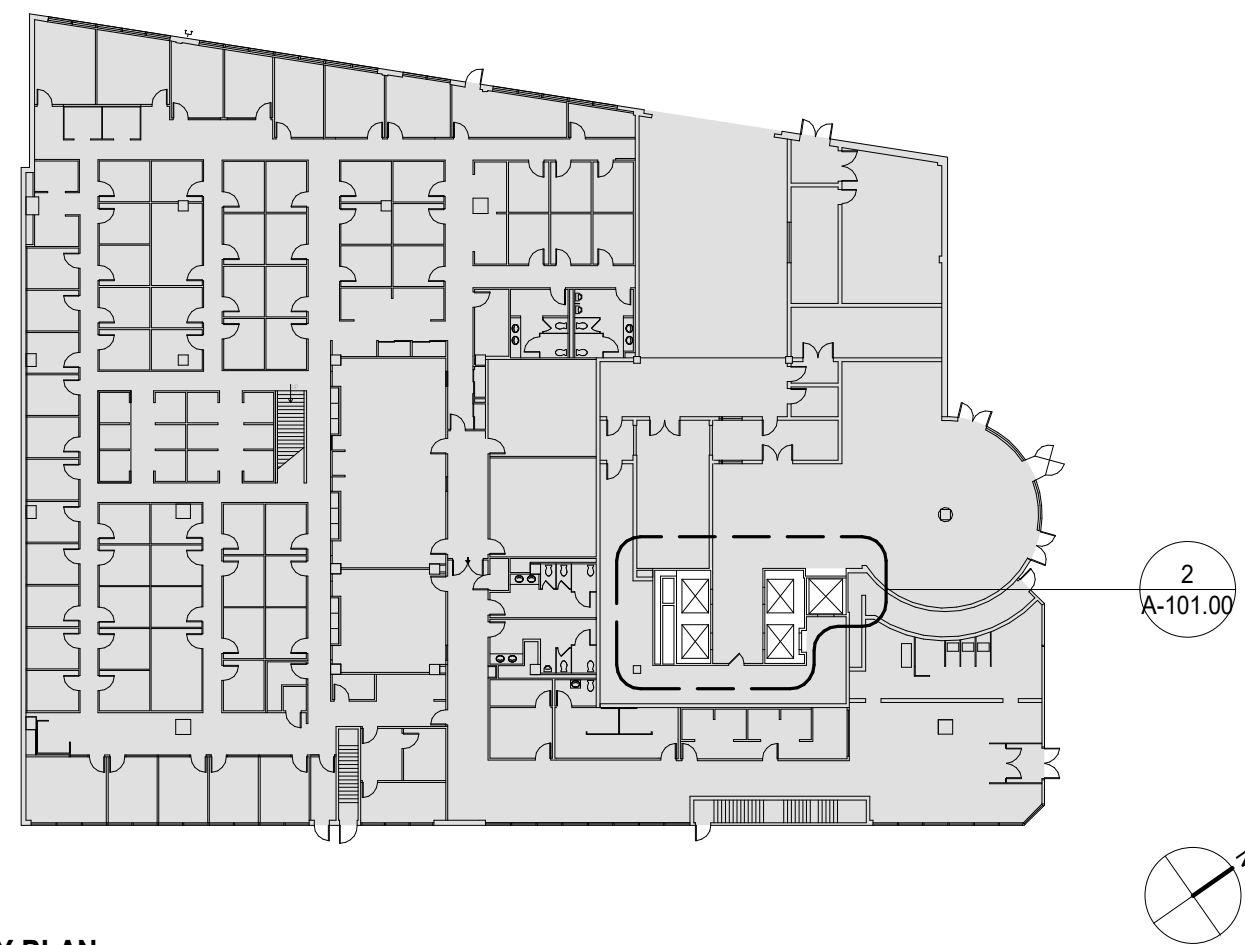
Drawing Title:

ADA DETAILS AND NOTES

This plan is 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 Title: ADA DETAILS AND NOTES <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 35%; border-bottom: 1px solid black; padding: 5px;">DOB APPROVAL STAMP</td> <td style="width: 65%; border-bottom: 1px solid black; padding: 5px;"> DOB APPLICATION NUMBER: X01204632 </td> </tr> <tr> <td style="border-bottom: 1px solid black; padding: 5px; vertical-align: top;"> Seal: </td> <td style="padding: 5px;"> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; border-bottom: 1px solid black; padding: 2px 5px;">Contract #:</td> <td style="padding: 2px 5px;">20205400631</td> </tr> <tr> <td style="border-bottom: 1px solid black; padding: 2px 5px;">Project #:</td> <td style="padding: 2px 5px;">PW77198EV</td> </tr> <tr> <td style="border-bottom: 1px solid black; padding: 2px 5px;">Drawn by:</td> <td style="padding: 2px 5px;">NAJMERI</td> </tr> <tr> <td style="border-bottom: 1px solid black; padding: 2px 5px;">Checked by:</td> <td style="padding: 2px 5px;">KNW</td> </tr> <tr> <td style="border-bottom: 1px solid black; padding: 2px 5px;">Date:</td> <td style="padding: 2px 5px;">10/20/2022</td> </tr> </table> T-003.00 SHEET 4 OF 20 </td> </tr> </table>	DOB APPROVAL STAMP	DOB APPLICATION NUMBER: X01204632	Seal:	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; border-bottom: 1px solid black; padding: 2px 5px;">Contract #:</td> <td style="padding: 2px 5px;">20205400631</td> </tr> <tr> <td style="border-bottom: 1px solid black; padding: 2px 5px;">Project #:</td> <td style="padding: 2px 5px;">PW77198EV</td> </tr> <tr> <td style="border-bottom: 1px solid black; padding: 2px 5px;">Drawn by:</td> <td style="padding: 2px 5px;">NAJMERI</td> </tr> <tr> <td style="border-bottom: 1px solid black; padding: 2px 5px;">Checked by:</td> <td style="padding: 2px 5px;">KNW</td> </tr> <tr> <td style="border-bottom: 1px solid black; padding: 2px 5px;">Date:</td> <td style="padding: 2px 5px;">10/20/2022</td> </tr> </table> T-003.00 SHEET 4 OF 20	Contract #:	20205400631	Project #:	PW77198EV	Drawn by:	NAJMERI	Checked by:	KNW	Date:	10/20/2022
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Contract #:	20205400631														
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Drawn by:	NAJMERI														
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Date:	10/20/2022														



1 ELEVATOR CAB PHASING PLAN
1/2" = 1'-0"



KEY PLAN

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DOB APPROVAL STAMP

PHASING LEGEND

- | | |
|--|--|
| | <p>PHASE 1 - ELEVATOR CAB #4 (PASSENGER CAB)</p> <ul style="list-style-type: none"> CONTRACTOR TO DEMOLISH EXISTING ELEVATOR CAB #4, ELEVATOR CALL BUTTONS AND ELEVATOR INDICATORS. SEE TYPICAL DEMOLITION PLAN ON SHEET DM-102.00 AND VT, MEP DRAWINGS FOR MORE INFORMATION AND ADDITIONAL SCOPE. |
| | <p>PHASE 2 - ELEVATOR CAB #5 (PASSENGER CAB)</p> <ul style="list-style-type: none"> CONTRACTOR TO DEMOLISH EXISTING ELEVATOR CAB #5 AND ELEVATOR INDICATORS. SEE TYPICAL DEMOLITION PLAN ON SHEET DM-102.00 AND VT, MEP DRAWINGS FOR MORE INFORMATION AND ADDITIONAL SCOPE. |
| | <p>PHASE 3 - ELEVATOR CAB #6 (PASSENGER CAB)</p> <ul style="list-style-type: none"> CONTRACTOR TO DEMOLISH EXISTING ELEVATOR CAB #6, ELEVATOR CALL BUTTONS AND ELEVATOR INDICATORS. SEE TYPICAL DEMOLITION PLAN ON SHEET DM-102.00 AND VT, MEP DRAWINGS FOR MORE INFORMATION AND ADDITIONAL SCOPE. |
| | <p>PHASE 4 - ELEVATOR CAB #7 (PASSENGER CAB)</p> <ul style="list-style-type: none"> CONTRACTOR TO DEMOLISH EXISTING ELEVATOR CAB #7 AND ELEVATOR INDICATORS. SEE TYPICAL DEMOLITION PLAN ON SHEET DM-102.00 AND VT, MEP DRAWINGS FOR MORE INFORMATION AND ADDITIONAL SCOPE. |
| | <p>PHASE 5 - ELEVATOR CAB #8 (FREIGHT CAB)</p> <ul style="list-style-type: none"> CONTRACTOR TO DEMOLISH EXISTING ELEVATOR CAB #8 AND ELEVATOR CALL BUTTONS. SEE TYPICAL DEMOLITION PLAN ON SHEET DM-102.00 AND VT, MEP DRAWINGS FOR MORE INFORMATION AND ADDITIONAL SCOPE. |

PHASING NOTES

1. THE ELEVATOR CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A SEQUENCING SCHEDULE BASED ON SCOPE OF WORK. THE ELEVATOR CONTRACTOR SHALL BASE THEIR BID ON REMOVING FIVE ELEVATORS FROM SERVICE, BUT NEVER MORE THAN TWO OF THE THREE PASSENGER ELEVATORS SHALL BE OUT OF SERVICE.
2. CONTRACTOR TO ENSURE THAT ANY WORK THAT IS DISRUPTIVE TO THE EXISTING TENANTS TO BE DONE ON OVERTIME SO AS TO NOT DISTURB EXISTING TENANTS BUSINESS. ENSURE ALL CODES AND REQUIREMENTS ARE MET.
3. PHASING PLAN INDICATED ON THIS SHEET IS FOR REFERENCE ONLY. CONTRACTOR TO REFER TO UT DRAWINGS FOR MORE INFORMATION.

GENERAL LEGEND

-  INDICATES AREAS NOT IN CONTRACT. CONTRACTOR TO PROTECT DURING ENTIRE COURSE OF DEMOLITION AND CONSTRUCTION. IF ANY DAMAGES OCCUR DUE TO THE CONTRACTORS ACTIONS, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AND/OR REPLACE TO MATCH IN KIND, TYPE.



ARCHITECTURAL

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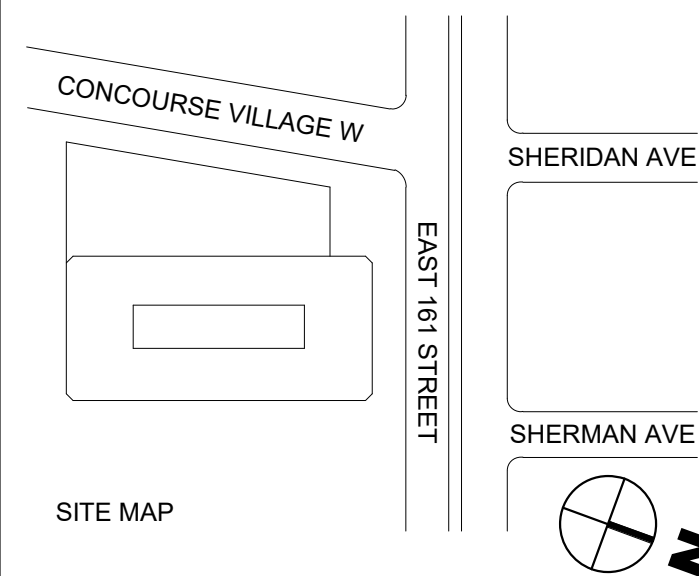
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3. FOR VERTICAL TRANSPORTATION, MECHANICAL, ELECTRICAL, FIRE PROTECTION, FIRE ALARM & PLUMBING OF ALL TYPES, SLOTTED, VENT, FA & FP-DRAWINGS, TYP. FOR ALL SPACES IN THE PROJECT.
4. THE CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS AS REQUIRED TO COMPLETE DEMOLITION AND REMOVAL OF ALL ITEMS AS INDICATED ON THE DRAWINGS.
5. THE CONTRACTOR SHALL ERECT ALL NECESSARY PLASTIC DROP CLOTH PARTITIONS TO PROTECT ADJACENT BUILDING PROPERTY, THE PUBLIC CORRIDOR AND ADJACENT SPACES, WHICH WILL NOT UNDERGO NEW CONSTRUCTION, FROM DUST AND DEBRIS WHILE DEMOLITION AND CONSTRUCTION ARE IN PROGRESS.
6. LONG TERM PROTECTION OF EXISTING DEMOLITION AND CONSTRUCTION, THE C.C. SHALL PROVIDE THAT ALL AREAS BE LEFT BROOM CLEAN.



BID SET SUBMISSION	CD	PS	03.20.2026	1
Revision / Issue	Approved	Reviewed	Date	No



Address: 1 Center Street, New York, NY 10007

Project: 198 E161 Street - Elevators Modernization
Address: 198 E161 Street, Bronx, NY 10451

Sponsor Agency
Sponsor Address:



Drawing Title:

ENLARGED ELEVATOR CAB PHASING PLAN

DOB APPLICATION NUMBER:

X01204632

Seal:

Contract #: 20205400631

Project #: PW77198EV

Drawn by: NAJMERI

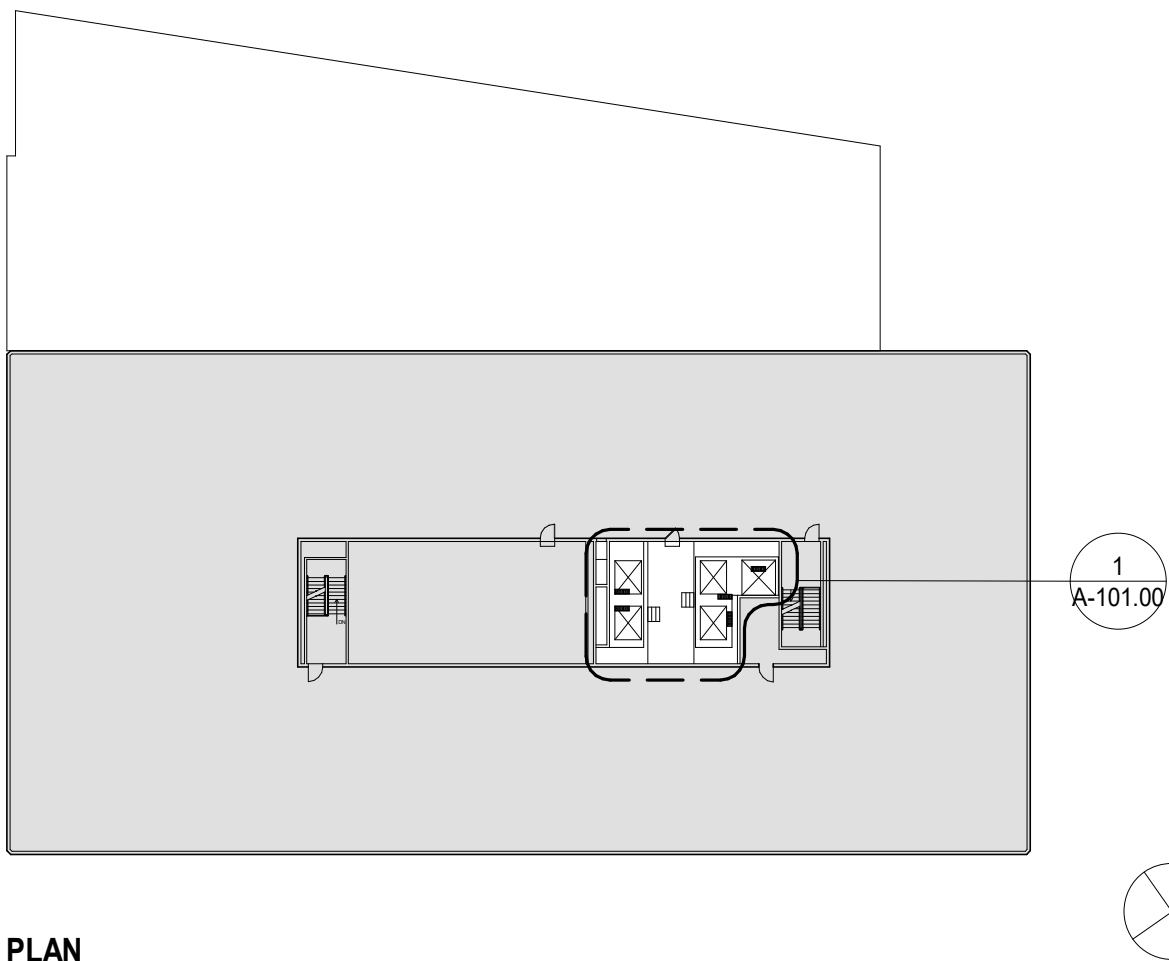
Checked by:	KNW
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PH-100.00

SHEET 5 OF 20



KEY PLAN



	1
	A-101.00

PHASING LEGEND

- | | |
|---------------------------|---|
| PHASE 1 - ELEVATOR CAB #4 | <ul style="list-style-type: none"> CONTRACTOR TO DEMOLISH EXISTING ELEVATOR CAB #4, ELEVATOR CALL BUTTONS, ELEVATOR INDICATORS AND ALL PARTS ASSOCIATED. SEE TYPICAL DEMOLITION PLAN ON SHEET DM-102.00 AND VT, MEP DRAWINGS FOR MORE INFORMATION. |
| | |
| PHASE 2 - ELEVATOR CAB #5 | <ul style="list-style-type: none"> CONTRACTOR TO DEMOLISH EXISTING ELEVATOR CAB #5, ELEVATOR INDICATORS AND ALL PARTS ASSOCIATED. SEE TYPICAL DEMOLITION PLAN ON SHEET DM-102.00 AND VT, MEP DRAWINGS FOR MORE INFORMATION. |
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| PHASE 3 - ELEVATOR CAB #6 | <ul style="list-style-type: none"> CONTRACTOR TO DEMOLISH EXISTING ELEVATOR CAB #6, ELEVATOR CALL BUTTONS, ELEVATOR INDICATORS AND ALL PARTS ASSOCIATED. SEE TYPICAL DEMOLITION PLAN ON SHEET DM-102.00 AND VT, MEP DRAWINGS FOR MORE INFORMATION. |
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ARCHITECTURAL



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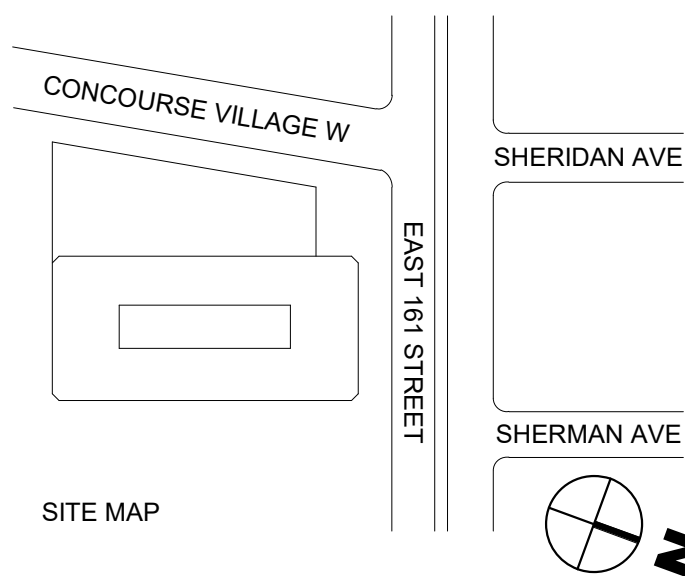
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6. UPON COMPLETION OF DURING DEMOLITION AND CONSTRUCTION, THE G.C. SHALL PROVIDE THAT ALL AREAS BE LEFT BROOM CLEAN.

[illegible]

BID SET SUBMISSION	CD	PS	03.20.2026	1
Revision / Issue	Approved	Reviewed	Date	No



NYC
DCAS
Citywide
Administrative
Services

Address: 1 Center Street, New York, NY 10007

Project: 198 E161 Street - Elevators Modernization
Address: 198 E161 Street, Bronx, NY 10451

Sponsor Agency



Liro Architects + Planners, P.C.
1 State Street, 28th Fl, New York

Drawing Title:

ENLARGED ELEVATOR MACHINE ROOM PHASING PLAN

DOB APPLICATION NUMBER:

K01204632

Seal:	Contract #:	20205400631
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Project #: PW77198EV

Drawn by: NAJMERI

Checked by:	KNW
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Date: 10/20/2022

PH-101.00

SHEET 6 OF 20

Architectural floor plan of the 22nd floor. The plan shows a large rectangular area labeled "UNEXCAVATED" with a diagonal hatching pattern. To the right of this area is a "VESTIBULE C-01" which contains a room labeled "#8". Adjacent to the vestibule is "STAIR #1" with two staircases, one labeled "DN" (down) and the other "UP" (up). The plan is bounded by grid lines P and Q horizontally, and 22.8, 22, and 21.9 vertically. The area below grid line 21.9 is labeled "21.5".

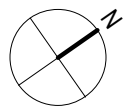
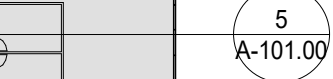
Architectural floor plan of the second floor. The plan shows a central corridor with rooms on both sides. On the left side, there are rooms labeled #4, #5, and #6. On the right side, there are rooms labeled #7, #8, and #9. A central area is labeled "ELEVATOR LOBBY 10X-01". To the right of the elevator lobby is a "STAGING AREA/ RECYCLE 10X-02". Further right is a room labeled "1 DM-102.00" with a "SIM" (Simulation) area. A staircase is located between the staging area and the DM-102.00 room. The plan includes grid lines 22.8 and 22.9, and section lines P and Q.

Architectural floor plan of the second floor. The plan shows a central corridor area labeled "ELEVATOR LOBBY 0X-01" and "STAGING AREA/ RECYCLE 0X-02". To the right of the staging area is a room labeled "DM-102.00" with a staircase. Various rooms are numbered #4 through #8. The plan is bounded by grid lines P, Q, 22.6, 22, and 21.9.

[illegible]

SCALE 1/8"=1'-0"

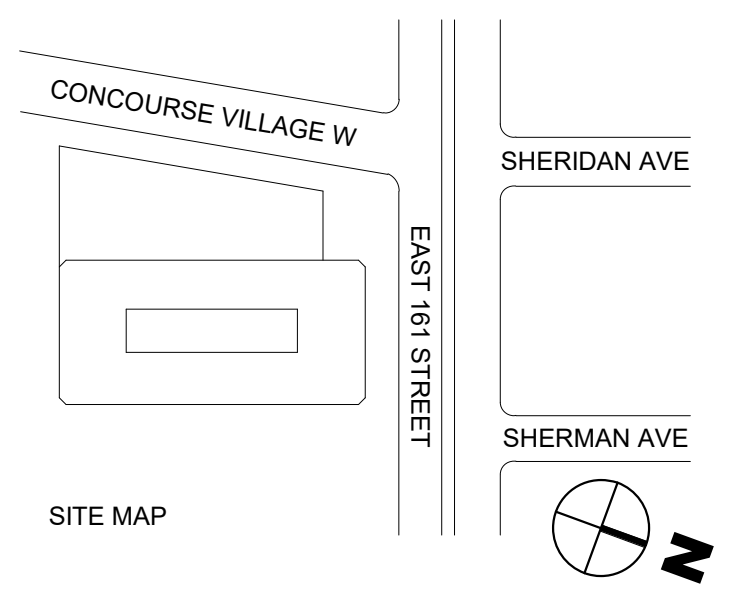
A horizontal graphic scale bar with a black and white checkerboard pattern. Below the bar, numerical labels are placed at intervals of 8 units: 0, 8, 16, 24, and 32.



DOB APPROVAL STAMP

GENERAL NOTE:

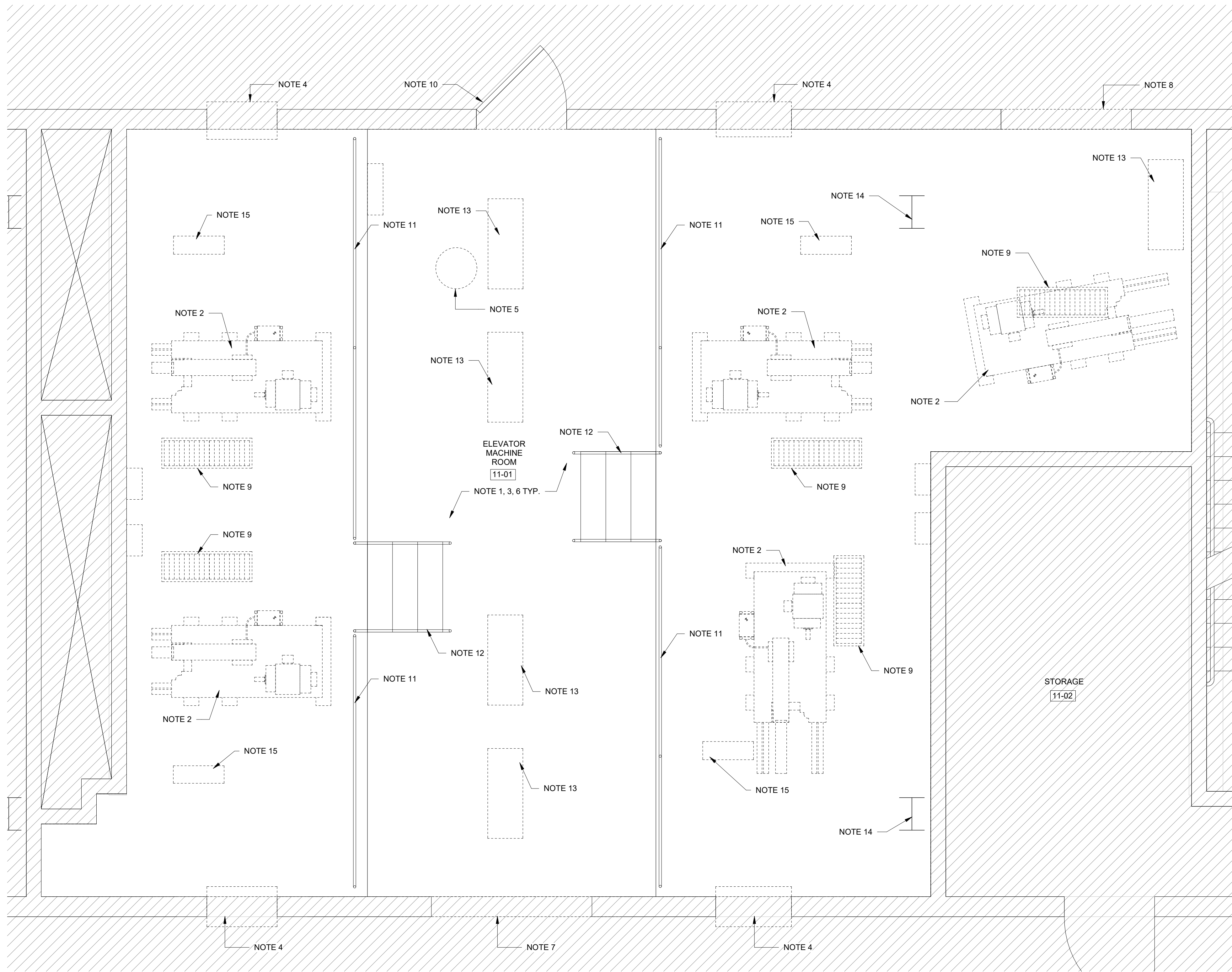
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3. FOR VERTICAL TRANSPORTATION, MECHANICAL, ELECTRICAL, FIRE PROTECTION, FIRE ALARM & PLUMBING SCOPE OF WORK. SEE VT. MEP, FA & P-DRAWINGS, TYP. FOR ALL SPACES IN THIS PROJECT.
4. THE CONTRACTOR SHALL PROTECT ALL LABOR AND MATERIALS REQUIRED TO COMPLETE DEMOLITION AND REMOVAL OF ALL ITEMS AS INDICATED ON THE DRAWINGS.
5. THE CONTRACTOR SHALL ERECT ALL NECESSARY PLYWOOD OR PLATH PARTITIONS TO PROTECT ADJACENT BUILDING PROPERTY, THE PUBLIC CORRIDOR AND ADJACENT SPACES, WHICH WILL NOT UNDERGO NEW CONSTRUCTION, FROM DUST AND DEBRIS WHILE DEMOLITION AND CONSTRUCTION ARE IN PROGRESS.
6. UPON COMPLETION OF DEMOLITION AND CONSTRUCTION, THE G.C. SHALL PROVIDE THAT ALL AREAS BE LEFT BROOM CLEAN.



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1 State Street, 28th Fl, New York, NY 10004

DOB APPLICATION NUMBER: X01204632

DM-102.00



1 ENLARGED ELEVATOR MACHINE ROOM - DEMOLITION PLAN
1/2" = 1'-0"

$$1/2'' = 1'-0''$$

DEMOLITION NOTES

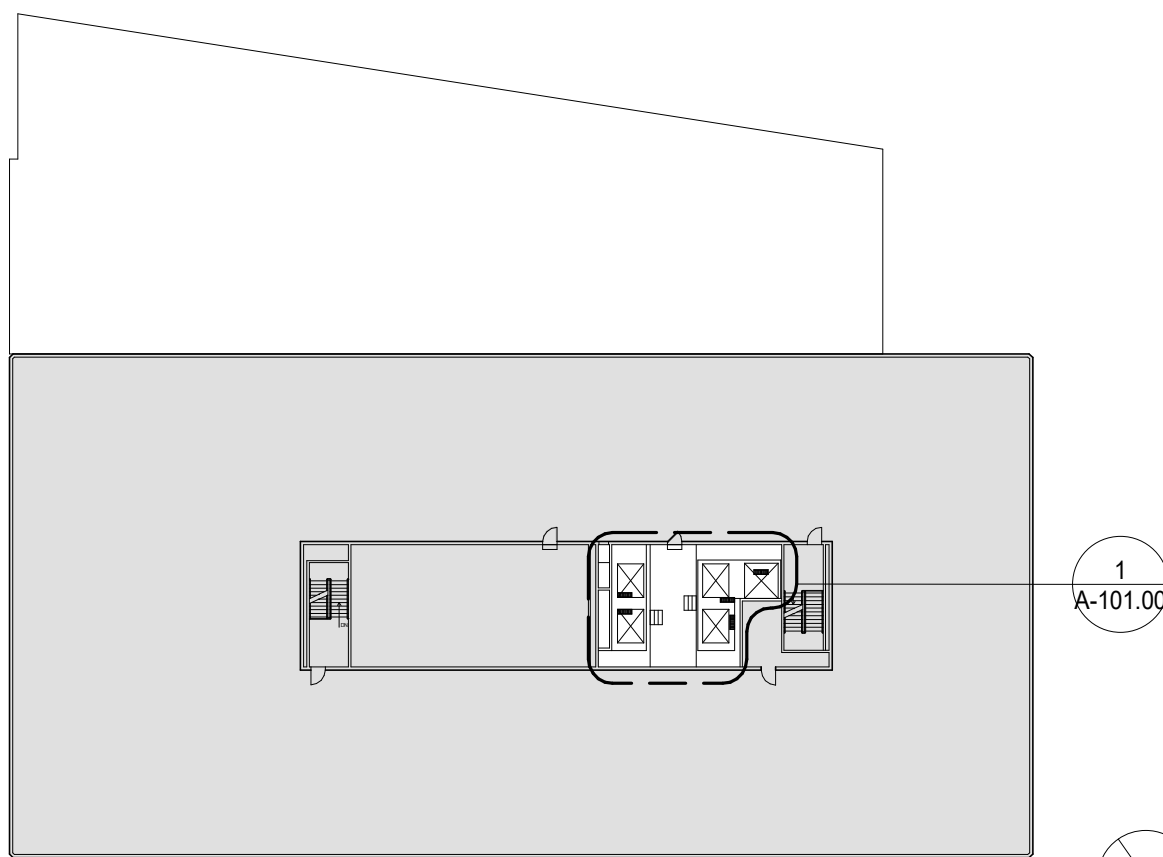
1. EXISTING ELEVATOR STEEL DUNNAGE AND ALL ASSOCIATED PARTS TO BE REMOVED IN ITS ENTIRETY. REFER TO VT-DRAWINGS FOR MORE DETAILS. TYP. FOR ALL ELEVATORS.
2. EXISTING ELEVATOR MACHINE AND ALL ASSOCIATED PARTS TO BE REMOVED IN ITS ENTIRETY. REFER TO VT-DRAWINGS FOR MORE DETAILS. TYP. FOR ALL ELEVATORS.
3. EXISTING ELECTRONIC RELAY PANELS, STARTERS, SELECTORS AND CONTROLLERS TO BE REMOVED IN ITS ENTIRETY. REFER TO VT-DRAWINGS FOR MORE DETAILS. TYP. FOR ALL ELEVATORS.
4. EXISTING THROUGH WALL A/C UNIT AND ASSOCIATED CONDUITS AND WIRING TO BE REMOVED (4 LOCATIONS), CONTRACTOR TO PATCH AND REPAIR WALL AS REQUIRED TO MATCH ADJACENT CONSTRUCTION AND FINISH.
5. EXISTING DUCTWORK WITH ASSOCIATED DAMPER AND EXHAUST FAN TO BE REMOVED. CONTRACTOR TO PATCH AND REPAIR OPENING TO MATCH ADJACENT CONSTRUCTION. CONTRACTOR TO MATCH IN KIND.
6. EXISTING LIGHTING FIXTURES TO BE REMOVED. SEE E-DWGS FOR MORE DETAILS.
7. EXISTING 64" X 36" LOUVER TO BE REMOVED IN ITS ENTIRETY. CONTRACTOR TO PATCH AND REPAIR AS REQUIRED TO MAINTAIN STRUCTURAL INTEGRITY AND MATCH ADJACENT FINISH.
8. PARTIALLY REMOVED EXTERIOR WALL FOR NEW 24" X 12" DUCT INSTALLATION VIF. SEE MEP DRAWINGS FOR MORE INFORMATION.
9. EXISTING FLOOR MOUNTED "SMOKE HOLE" VENTS TO BE REMOVED. CONTRACTOR TO PATCH AND REPAIR FLOOR AS REQUIRED TO MATCH ADJACENT CONSTRUCTION AND FINISH. MAINTAIN EXISTING FIRE RATING.
10. EXISTING FPSC DOOR TO REMAIN.
11. EXISTING METAL GUARDRAIL TO REMAIN AS IS. PAINT AS REQUIRED TO MATCH ADJACENT FINISH. TYP.
12. EXISTING METAL STAIRS AND HANDRAIL TO REMAIN.
13. EXISTING ELEVATOR CONTROL EQUIPMENT AND ALL ASSOCIATED PARTS TO BE REMOVED IN ITS ENTIRETY. REFER TO VT DRAWINGS FOR MORE INFORMATION.
14. EXISTING STRUCTURAL COLUMNS TO REMAIN. CONTRACTOR TO PROTECT DURING ENTIRE COURSE OF DEMOLITION.
15. EXISTING ELEVATOR GOVERNORS AND ASSOCIATED PARTS TO BE REMOVED. REFER TO VT DRAWINGS FOR MORE INFORMATION.

**NOTE: CONTRACTOR TO COORDINATE ALL WORK WITH VERTICAL TRANSPORTATION, MECHANICAL, ELECTRICAL
FIRE ALARM, & PLUMBING DRAWINGS, TYP.**

DEMOLITION LEGEND

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INDICATES VT, MEP EQUIPMENT TO BE REMOVED. REFER TO VT, MEP DRAWINGS FOR MORE INFORMATION



KEY PLAN

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DOB APPROVAL STAMP

The logo for NYC DCAS (Citywide Administrative Services) is located in the top left corner. It features the letters "NYC" in a large, bold, black sans-serif font. Below "NYC" are the letters "DCAS" in a larger, bold, blue sans-serif font. Underneath "DCAS" is the text "Citywide Administrative Services" in a smaller, black, sans-serif font, arranged in three lines.

ARCHITECTURAL

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GENERAL NOTE:

1. THE CONTRACTOR TO VERIFY ALL FIELD CONDITIONS BEFORE PROCEEDING. TYP. FOR ALL ELEMENTS.

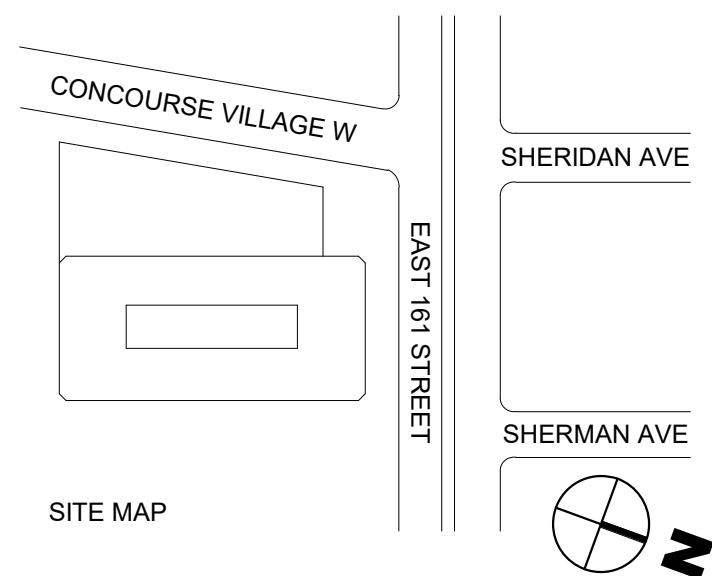
2. THE CONTRACTOR TO PROTECT ALL EXISTING ELEMENTS TO REMAIN. ANY DAMAGE TO THESE ELEMENTS DUE TO CONTRACTOR'S ACTION SHALL BE REPAIRED OR REPLACED IN KIND AT NO ADDITIONAL

3. FOR VERTICAL TRANSPORTATION, MECHANICAL, ELECTRICAL, FIRE PROTECTION, FIRE ALARM & PLUMBING SCOPE OF WORK, SEE VT, MEP, FA & FP-DRAWINGS, TYPE FOR ALL SPACES IN THIS PROJECT.

4. THE CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS AS REQUIRED TO COMPLETE DEMOLITION AND REMOVAL OF ALL ITEMS AS INDICATED ON THE DRAWINGS.

5. THE CONTRACTOR SHALL ERECT ALL NECESSARY PLASTIC DROP CLOTH PARTITIONS TO PROTECT ADJACENT BUILDING PROPERTY, THE PUBLIC CORRIDOR AND ADJACENT SPACES, WHICH WILL NOT UNDERGO NEW CONSTRUCTION, FROM DUST AND DEBRIS WHILE DEMOLITION AND CONSTRUCTION ARE IN PROGRESS.

6. UPON COMPLETION OF DURING DEMOLITION AND CONSTRUCTION, THE G.C. SHALL PROVIDE THAT ALL AREAS BE LEFT BROOM CLEAN.



BID SET SUBMISSION	CD	PS	03.20.2026	1
Revision / Issue	Approved	Reviewed	Date	No



Address: 1 Center Street, New York, NY 10007

Project: 198 E161 Street - Elevators Modernization
Address: 198 E161 Street, Bronx, NY 10451

Sponsor Agency
Sponsor Address:

Liro Architects + Planners, P.C.
1 State Street, 28th Fl, New York, NY 10004

Drawing Title:

ENLARGED ELEVATOR MACHINE ROOM - DEMOLITION PLAN

DOB APPLICATION NUMBER

X01204632

Contract #: 2020540063

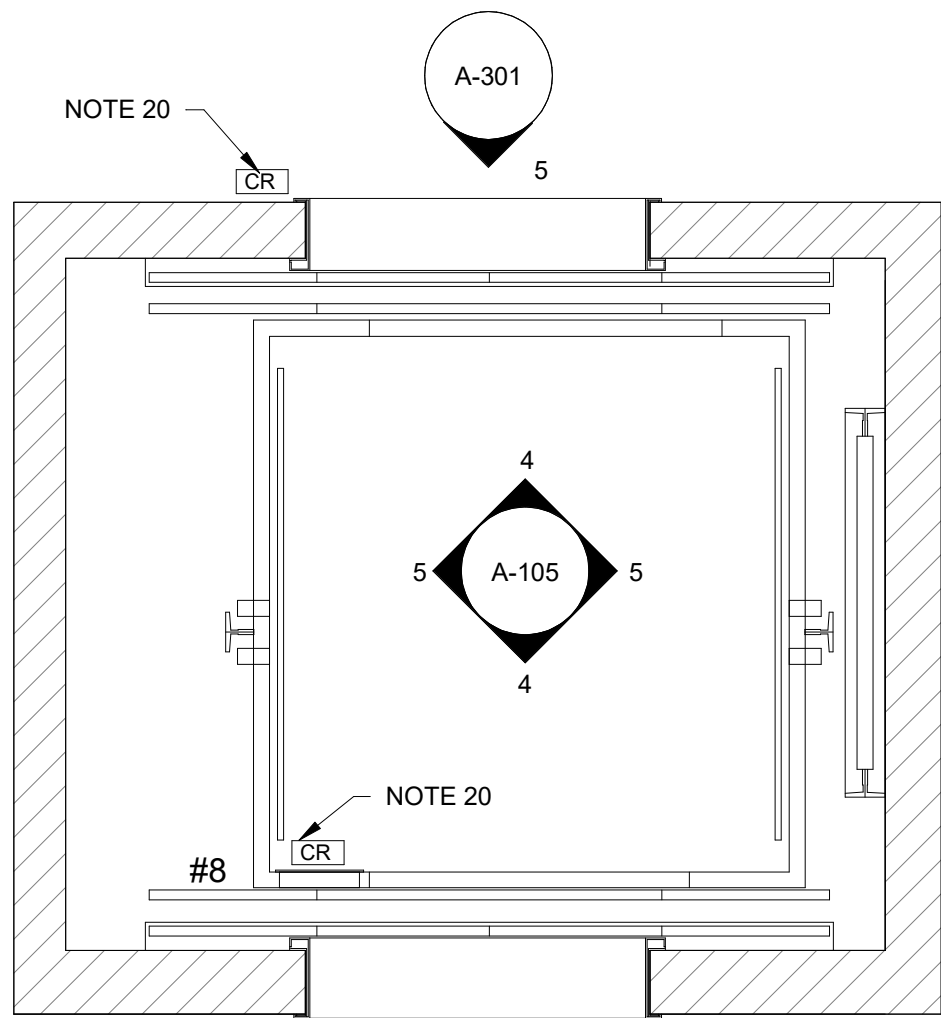
Project #: PW77198E

Drawn by: NA-IMER

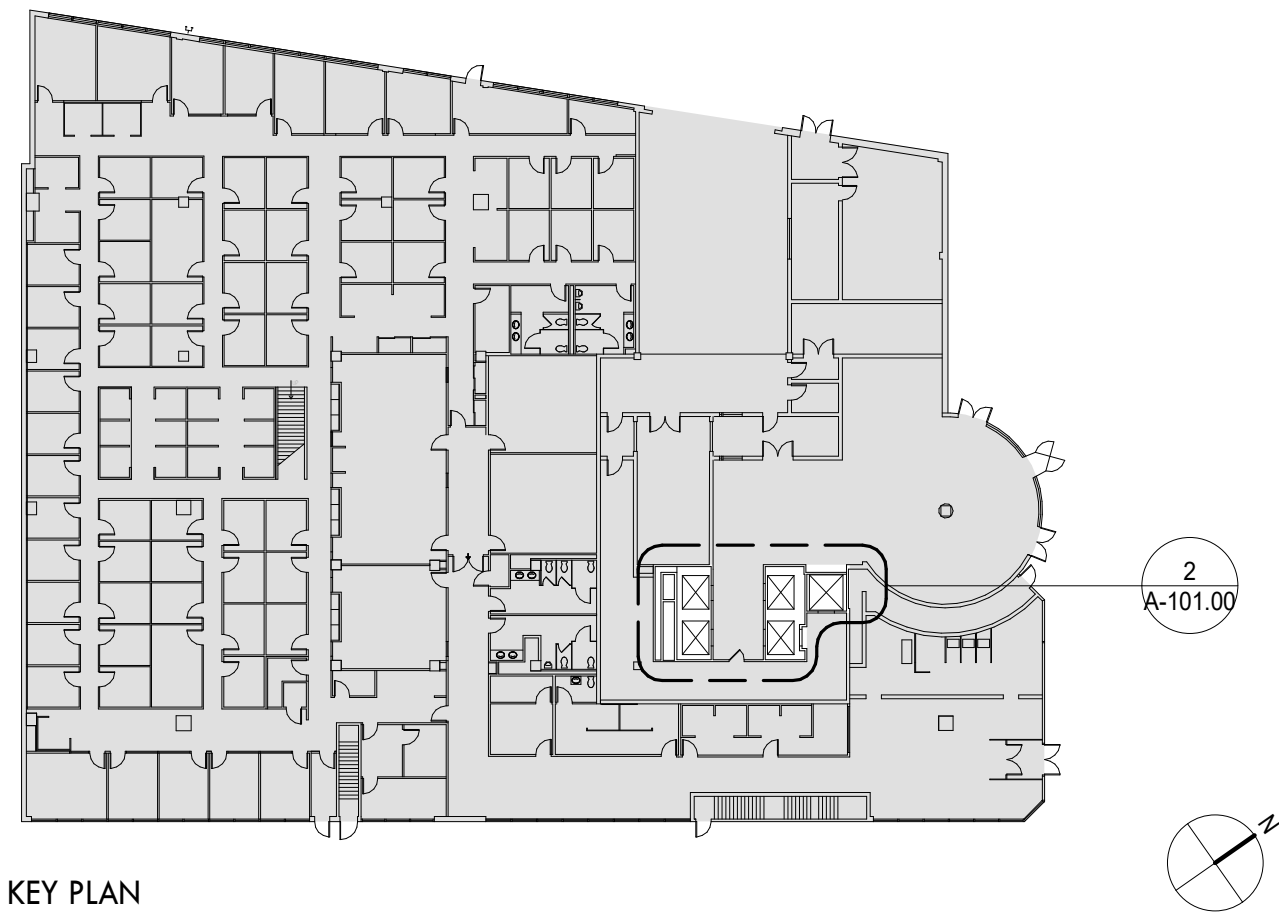
Checked by: KNW

DM-103.00

SHEET 9 OF 20



CONSTRUCTION LEGEND



SCALE 1/8"=1'-0"

A horizontal graphic scale bar with a black and white checkerboard pattern. The bar is divided into four equal segments, each representing 8 feet. Below the bar, the numbers 0, 8, 16, 24, and 32 are printed at regular intervals.



CONCOURSE VILLAGE W

SHERIDAN AVE

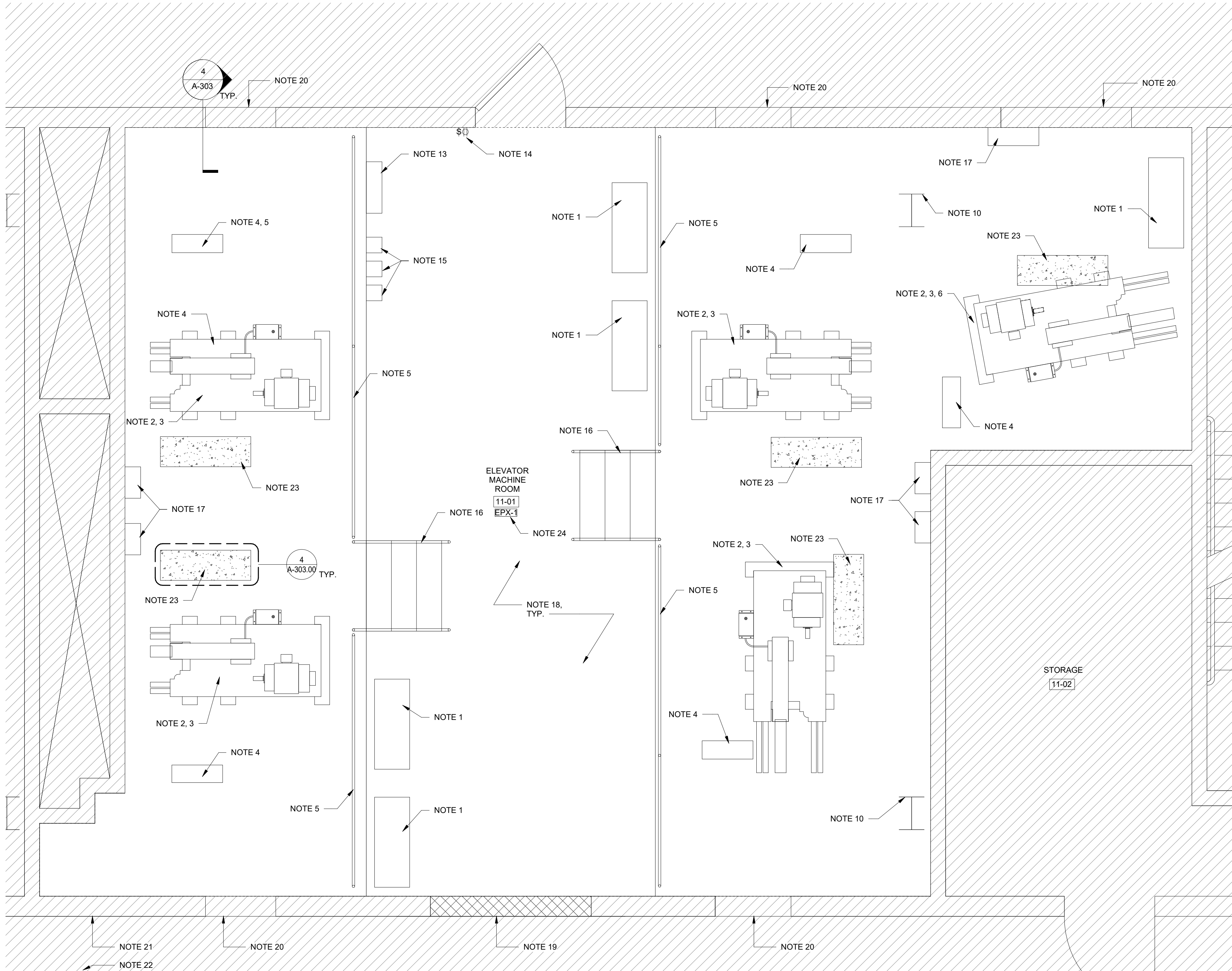
EAST 161 STREET

SHERMAN AVE

SITE MAP

Drawing Title:

SHEET 11 OF 20

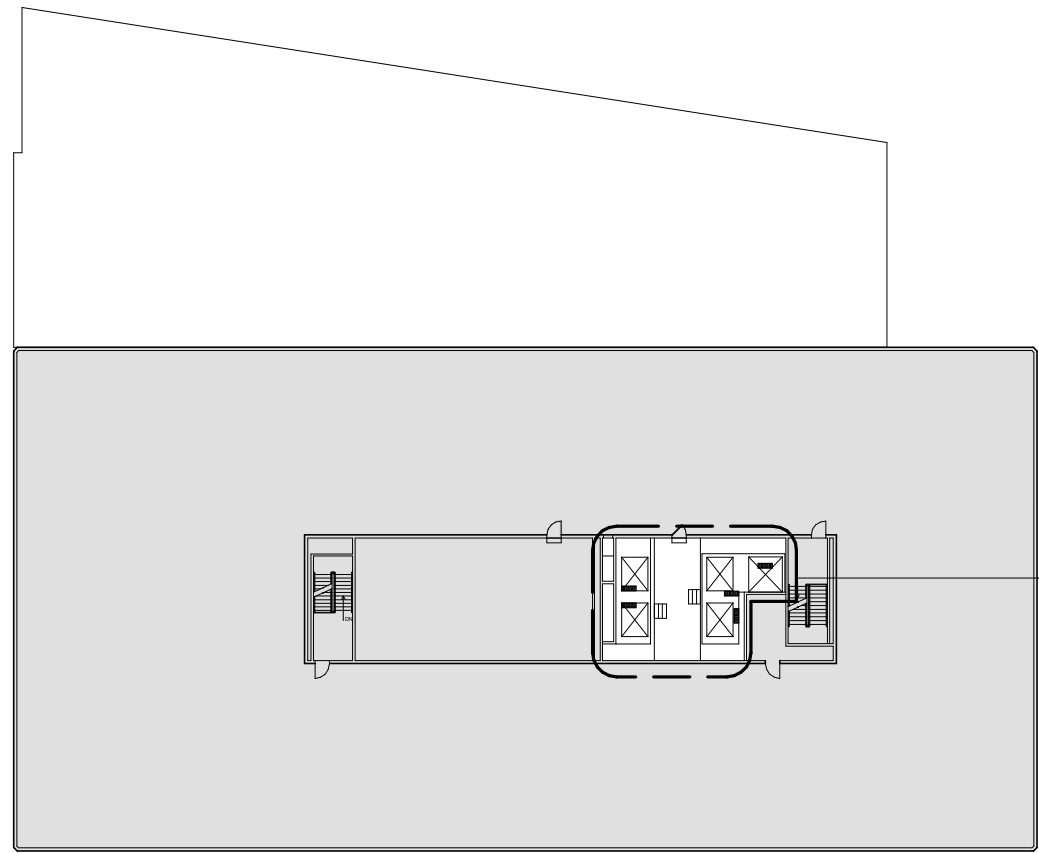


SCOPE OF WORK

1. CONTRACTOR TO PROVIDE NEW CONTROLLERS - AC VVVF TYPE REGENERATIVE MOTOR DRIVES WITH INVERTER. NOTE: RETAIN CONVENTIONAL GROUP / SWING OPERATION. CONTRACTOR TO REWIRE AS REQUIRED TO CONNECT TO EXISTING TELEPHONES. CONTRACTOR TO ENSURE MINIMUM CLEARANCE IS PROVIDED PER MANUFACTURERS RECOMMENDATIONS. SEE VT & MEP-DWGS FOR MORE DETAILS, TYP.
2. CONTRACTOR TO PROVIDE AC GEARED MACHINES. MACHINES SHALL BE EQUIPPED WITH ASCENDING CAR OVERSPEED PROTECTION DEVICE TO COMPLY WITH CURRENT CODE.
3. CONTRACTOR TO PROVIDE SUSPENSION MEANS, TYP. REFER TO VT DRAWINGS FOR MORE INFORMATION.
4. CONTRACTOR TO PROVIDE NEW OVER-SPEED GOVERNORS AND GOVERNOR ROPES, TYP. REFER TO VT DRAWINGS FOR MORE INFORMATION.
5. EXISTING METAL GUARDRAILS TO REMAIN. PAINT AS REQUIRED TO MATCH ADJACENT FINISH.
6. ELEVATOR 8 ONLY: CONTRACTOR TO EXAMINE STARTER RAILS FOR CORROSION DAMAGE; REPLACE SECTIONS AS NECESSARY TO ALLOW FOR AN ADEQUATE FUNCTION. TYP. REFER TO VT DRAWINGS FOR MORE INFORMATION.
7. NOT USED.
8. CONTRACTOR TO PROVIDE HOISTWAY & MACHINE ROOM WIRING, INCLUDING ALL WIREWAY, TYP. REFER TO VT DRAWINGS FOR MORE INFORMATION.
9. CONTRACTOR TO PROVIDE TRAVELING CABLES WITH SECURITY PROVISIONS, TYP. REFER TO VT DRAWINGS FOR MORE INFORMATION.
10. CONTRACTOR TO APPLY SPRAY-ON FIREPROOFING AT ALL EXPOSED STEEL SUPPORTS WHERE DAMAGED OR MISSING. TYP. CONTRACTOR TO MAINTAIN EXISTING FIRE RATING.
11. CONTRACTOR TO INSPECT FOR ANY BREACH/DEFECTS AT EXISTING HOISTWAY ELEVATIONS. REMOVE & REPLACE EXISTING DAMAGED/DEFECTIVE MASONRY TO MAINTAIN INTEGRITY OF EXISTING 2 HR FIRE RATED CONSTRUCTION. PROVIDE CMU OR GYPSUM BOARD INFILL TO MATCH EXISTING ADJACENT.
12. CONTRACTOR TO PROVIDE NEW LIGHT FIXTURES. REFER TO ELECTRICAL DRAWINGS FOR SPECIFICATIONS AND MORE INFORMATION.
13. EXISTING MAIN LINE DISCONNECT SWITCH FOR ALL ELEVATORS TO REMAIN. CONTRACTOR TO REWIRE AS REQUIRED AND ENSURE AN ADEQUATE FUNCTION.
14. EXISTING LIGHT SWITCH AND POWER OUTLET TO REMAIN. CLEAN AS REQUIRED FOR A LIKE NEW FINISH.
15. EXISTING CAR LIGHTING CIRCUIT TO REMAIN. CONTRACTOR TO REWIRE AS REQUIRED FOR NEW INTERIOR CAB WIRING. REFER TO MEP DRAWINGS FOR MORE INFORMATION.
16. EXISTING METAL STAIRS AND HANDRAILS TO REMAIN.
17. EXISTING CAR AUXILIARY DISCONNECT TO REMAIN. CONTRACTOR TO REWIRE AS REQUIRED, TYP. REFER TO VT DRAWINGS FOR MORE INFORMATION.
18. CONTRACTOR TO PROVIDE FIRESTOPPING AT ALL PENETRATIONS THROUGH WALLS & FLOOR SLABS TO MAINTAIN EXISTING RATING., TYP.
19. CONTRACTOR TO INFILL EXTERIOR WALL TO MATCH EXISTING AFTER 64" X 36" LOUVER REMOVAL. CONTRACTOR TO MATCH ADJACENT CONSTRUCTION, INTERIOR FINISH, EXTERIOR FINISH AND RATING.
20. CONTRACTOR TO PROVIDE NEW DUCT. COORDINATE WITH MEP DRAWINGS FOR FINAL LOCATION. CONTRACTOR TO KEEP NEW DUCT TIGHT TO EXISTING EXTERIOR WALL AS POSSIBLE AND ENSURE ALL MANUFACTURERS RECOMMENDATIONS ARE MET FOR INSTALLATION. CONTRACTOR TO ENSURE MINIMAL DAMAGE IS DONE TO EXISTING STRUCTURE.
21. CONTRACTOR TO PROVIDE NEW OPENING FOR NEW PIPING. REFER TO MEP DRAWINGS FOR MORE INFORMATION.
22. CONTRACTOR TO PROVIDE NEW CURB TO SUPPORT NEW HVAC EQUIPMENT. REFER TO MEP DRAWINGS FOR MORE INFORMATION.
23. CONTRACTOR TO INFILL EXISTING FLOOR MOUNTED "SMOKE HOLES" TO MATCH EXISTING ADJACENT CONSTRUCTION AND RATING. REFER TO STRUCTURAL DWGS.
24. CONTRACTOR TO PROVIDE NEW EPOXY PAINT ON ALL FLOORS, CEILINGS AND WALLS. REFER TO SHEET A-103.00 FOR FINISH SCHEDULE AND SPECIFICATIONS.

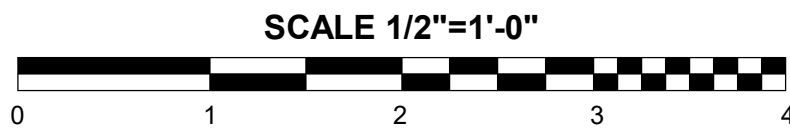
CONSTRUCTION LEGEND

	EXISTING WALL & STRUCTURE TO REMAIN		INDICATES AREAS NOT IN CONTRACT. CONTRACTOR TO PROTECT DURING ENTIRE COURSE OF DEMOLITION AND CONSTRUCTION.
	NEW SLAB/PIT INFILL REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION		IF ANY DAMAGES OCCUR DUE TO THE CONTRACTOR'S ACTIONS, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AND/OR REPLACE TO MATCH IN KIND, TYPE.
	EXISTING STEEL HANDRAIL TO REMAIN		INDICATES NEW CARD READER. CONTRACTOR TO COORDINATE WITH BUILDING MANAGEMENT AND SECURITY VENDOR FOR MORE INFORMATION.
			CARD READER TO BE INSTALLED IN THE FOLLOWING LOCATIONS ONLY: (1) - CELLAR (1) - ELEVATOR CAB #8 (1) - 9TH FLOOR - DA OFFICE SIDE



KEY PLAN

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ARCHITECTURAL



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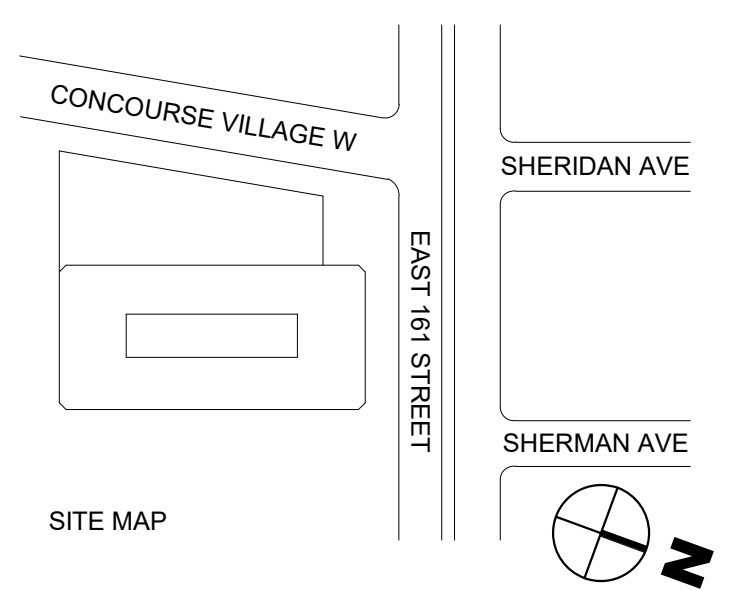
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3. FOR VERTICAL TRANSPORTATION, MECHANICAL, ELECTRICAL, FIRE PROTECTION, FIRE ALARM & PLUMBING SCOPE OF WORK, SEE VT, MEP, FA & F-P-DRAWINGS, TYP. FOR ALL SPACES.
4. THE CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS AS REQUIRED TO COMPLETE DEMOLITION AND REMOVAL OF ALL ITEMS AS INDICATED ON THE DRAWINGS.
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6. THE CONTRACTOR SHALL PROVIDE DEMOLITION AND CONSTRUCTION T.S.C. SHALL PROVIDE THAT ALL AREAS BE LEFT BROOM CLEAN.



BID SET SUBMISSION	CD	PS	03.20.2026	1
Revision / Issue	Approved	Reviewed	Date	No

Address: 1 Center Street, New York, NY 10007

Project: 198 E161 Street - Elevators Modernization
Address: 198 E161 Street, Bronx, NY 10451

Sponsor Agency
Sponsor Address:



Liro Architects + Planners, P.C.
1 State Street, 28th Fl, New York, NY 10004

Drawing Title:

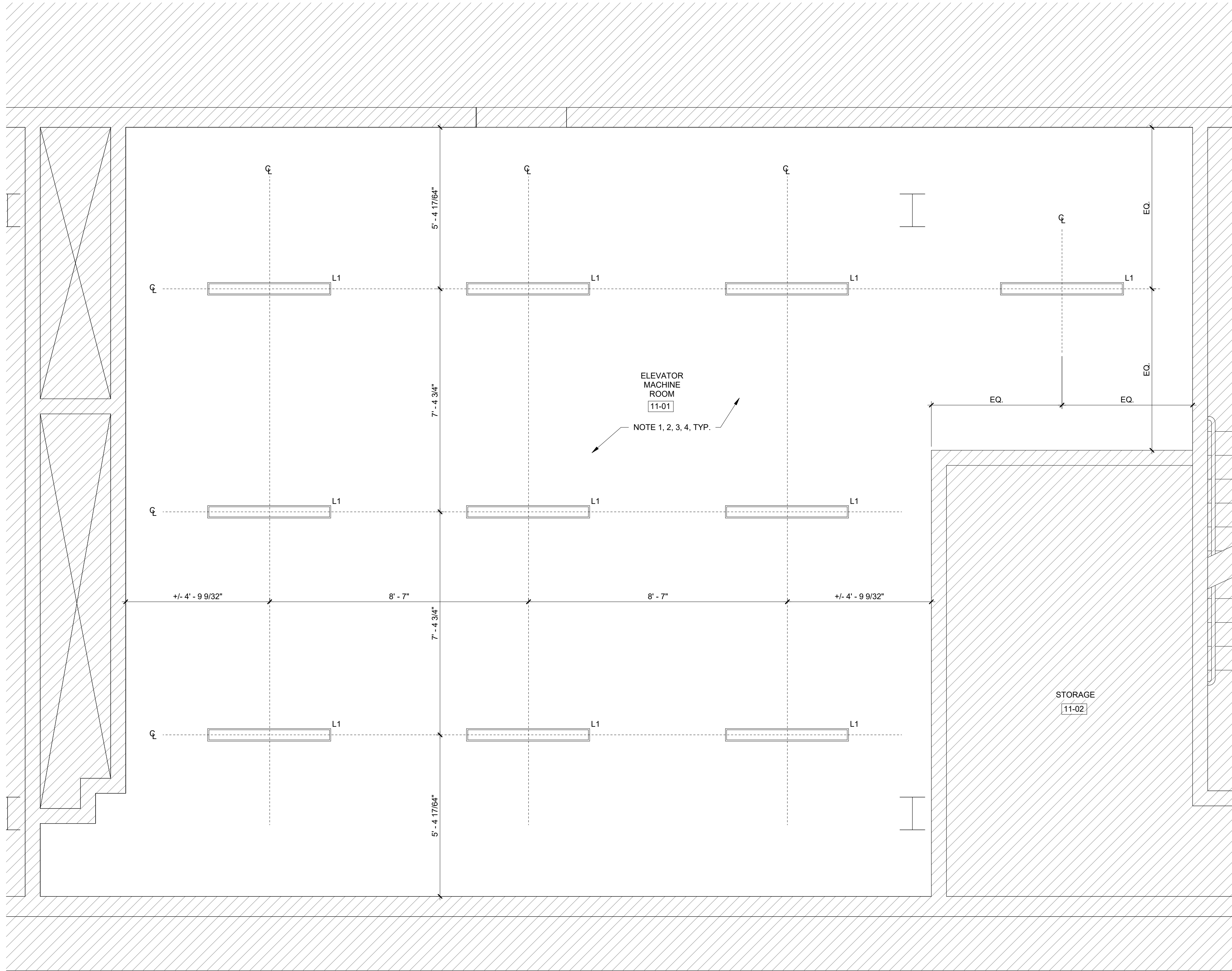
ENLARGED ELEVATOR MACHINE ROOM - CONSTRUCTION PLAN

DOB APPLICATION NUMBER: X01204632

Seal:	Contract #:	20205400631
	Project #:	PW77198EV
	Drawn by:	NAJMERI
	Checked by:	KNW
	Date:	10/20/2022

A-105.00

SHEET 14 OF 20

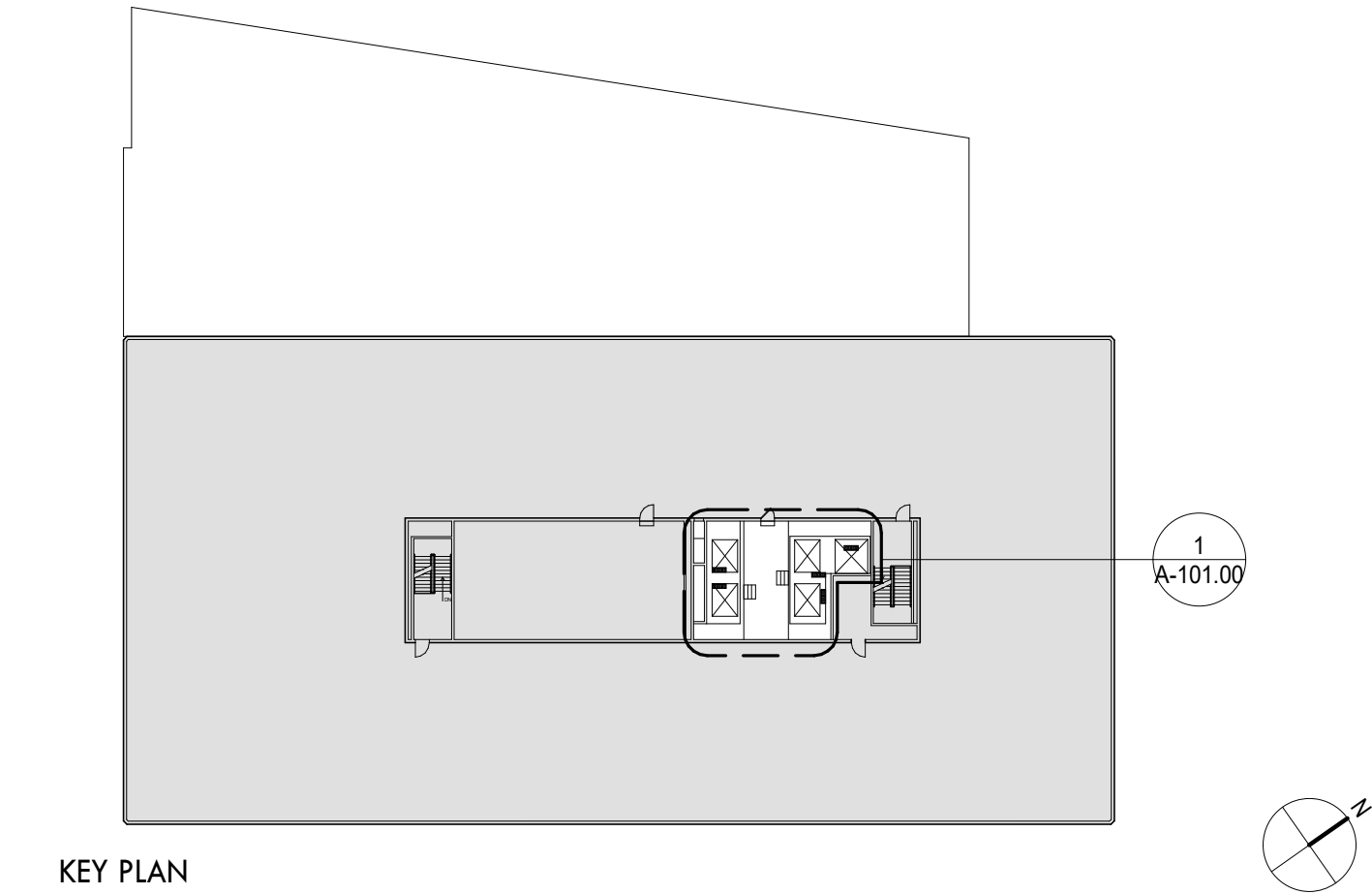


1 ENLARGED ELEVATOR MACHINE ROOM - REFLECTED CEILING PLAN
1/2" = 1'-0"

1. CONTRACTOR TO FURNISH AND INSTALL NEW CEILING MOUNTED LIGHT FIXTURES.
2. EXISTING FIRE STROBE, FIRE PULL STATION AND MISC. EQUIPMENT TO REMAIN AS IS. CONTRACTOR TO REFER TO MEP DRAWINGS FOR MORE INFORMATION.
3. EXISTING METAL ROOF DECK TO REMAIN. CONTRACTOR TO PROVIDE FIREPROOFING WHERE DAMAGED OR MISSING TO MATCH ADJACENT.
4. CONTRACTOR TO PATCH AND REPAIR ROOF AS REQUIRED AFTER EXHAUST FAN REMOVAL. COORDINATE WITH MEP DRAWINGS.

NOTE: CONTRACTOR TO COORDINATE ALL WORK WITH VERTICAL TRANSPORTATION, MECHANICAL, ELECTRICAL, FIRE ALARM, & PLUMBING DRAWINGS, TYP.

	INDICATES AREAS NOT IN CONTRACT. CONTRACTOR TO PROTECT DURING ENTIRE COURSE OF DEMOLITION AND CONSTRUCTION. IF ANY DAMAGES OCCUR DUE TO THE CONTRACTOR'S ACTIONS, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AND/OR REPLACE TO MATCH IN KIND. TYP.
	EXISTING WALL & STRUCTURE TO REMAIN
	L1 INDICATES NEW STRIP LIGHT PENDANT MOUNTED FIXTURES. REFER TO MEP DRAWINGS FOR MORE INFORMATION.



KEY PLAN

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DOB APPROVAL STAMP

Drawing Title:

ENLARGED ELEVATOR MACHINE
ROOM - REFLECTED CEILING PLAN

DOB APPLICATION NUMBER:

K01204632

Contract #: 2020540063

Project #: PW77198E

Drawn by: NAJMEF

Checked by: KNV

Date: 10/20/202

A- | 06.00

SHEET 15 OF 20



**NYC
DCAS**
Citywide
Administrative
Services

ARCHITECTURAL



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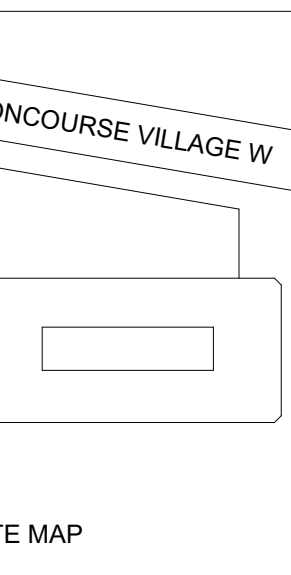
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SITE MAP

CONCOURSE VILLAGE W

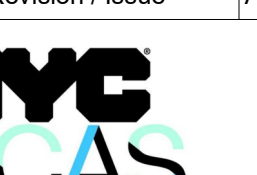
SHERIDAN AVE

SHERMAN AVE

EAST 161 STREET



BID SET SUBMISSION	CD	PS	03.20.2026	1
Revision / Issue	Approved	Reviewed	Date	No.



**NYC
DCAS**
Citywide
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Services

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Project: 198 E161 Street - Elevators Modernization
Address: 198 E161 Street, Bronx, NY 10451

Sponsor Agency:
Sponsor Address:



Liro Architects + Planners, P.C.
1 State Street, 28th Fl, New York, NY 10004

Drawing Title:

ENLARGED ELEVATOR MACHINE ROOM - REFLECTED CEILING PLAN

DOB APPLICATION NUMBER:

X01204632

Seal:

Contract #: 20205400631

Project #: PW77198EV

Drawn by: NAJMERI

Checked by: KNW

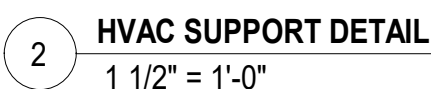
Date: 10/20/2022

A-106.00

SHEET 15 OF 20

NOTE:

- REFER TO SHEET A-103.00 FOR FINISH SCHEDULE.
- ELEVATOR CONTROL PANELS AND CALL BUTTONS SHOWN FOR REFERENCE ONLY. REFER TO VT DRAWINGS FOR MORE INFORMATION.



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DOB APPROVAL STAMP

DOB APPLICATION NUMBER: X01204632

Seal:	Contract #:	20205400631
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Project #:	PW77198EV
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Drawn by: NAJMERI

Checked by: KNW

M:\MEP\Projects\2018\161-366-0205-03\2045-198 E 161 Street Elevators Upgrade\Drawings\Sheet\3_Mechanical\A001 - MECHANICAL NOTES, SYMBOLS, LEGENDS & DRAWINGS LIST.dwg

Dec 17, 2025 - 3:23pm

HVAC GENERAL NOTES	
(1)	ALL WORK AND MATERIALS SHALL BE PURCHASED AND INSTALLED IN ACCORDANCE WITH ALL NATIONAL & NEW YORK CITY CODES AND REGULATIONS (AS WELL AS ALL APPLICABLE LOCAL CODES & REGULATIONS). THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL HVAC WORK IS PROVIDED AND INSTALLED IN STRICT ACCORDANCE WITH SEISMIC REQUIREMENTS.
(2)	DO NOT SCALE FROM THESE DRAWINGS.
(3)	THE EXACT MOUNTING HEIGHTS AND LOCATIONS OF ALL HVAC EQUIPMENT SHALL BE FIELD VERIFIED AND COORDINATED WITH ALL OTHER MECHANICAL, ELECTRICAL, PLUMBING, FIRE SPRINKLER, ARCHITECTURAL AND STRUCTURAL SYSTEMS. DURING SHOP DRAWINGS SUBMISSIONS, SHOW ALL MOUNTING HEIGHTS OF DUCTWORK, UNITS, ETC.
(4)	VERIFY ALL EQUIPMENT VOLTAGES WITH THE ELECTRICAL CONTRACTOR PRIOR TO ORDERING EQUIPMENT.
(5)	ELECTRICAL CONTRACTOR WILL PROVIDE DISCONNECT SWITCHES FOR ALL HVAC EQUIPMENT INCLUDING WEATHERPROOF UNITS AS REQUIRED. UNLESS UNITS ARE SPECIFIED WITH FACTORY MOUNTED & INSTALLED DISCONNECT SWITCHES. REFER TO MECHANICAL EQUIPMENT SCHEDULE FOR EXACT DETAILS.
(6)	PROVIDE PHASE LOSS PROTECTION FOR ALL POLY-PHASE MOTOR DEVICES.
(7)	DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEET STEEL IN STRICT COMPLIANCE WITH THE LATEST EDITION OF THE ASHRAE, NFPA, AND SMACNA GUIDE RECOMMENDATIONS. ALL DUCTS TO HAVE PITTSBURGH TYPE LOCK FOR LONGITUDINAL SEAMS AND DRIVE SLIP / "S" SLIP FOR TRANSVERSE JOINTS. "DUCT-MATE" JOINT SYSTEM IS ACCEPTABLE IN LIEU OF PRIOR SEAM SYSTEMS. SIZES AS SHOWN INDICATE INSIDE CLEAR DIMENSIONS OF THE AIR PASSAGE. DUCTWORK SHALL BE FULLY INSULATED AS PER APPLICABLE CODES AND WRITTEN SPECIFICATIONS.
(8)	DUCT SIZES MUST BE VERIFIED FOR CLEARANCES AT THE JOB SITE PRIOR TO FABRICATION. DIMENSIONS MAY BE CHANGED TO ACCOMMODATE CONSTRUCTION AS LONG AS EFFECTIVE CROSS-SECTIONAL AREA IS MAINTAINED. DUCT TRANSITIONS SHALL BE CONSTRUCTED WITH A SLOPE OF 1" TO 4". ALL DEVIATIONS FROM ORIGINAL CONTRACT DRAWINGS SHALL BE REVIEWED BY ENGINEER DURING THE SHOP DRAWING PROCESS.
(9)	ALL ACCESS DOORS REQUIRED IN GENERAL CONSTRUCTION ARE TO BE PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR. IT IS THE RESPONSIBILITY OF THE HVAC CONTRACTOR TO IDENTIFY SIZE, TYPE AND LOCATION OF SUCH DOORS FOR PROPER ACCESS TO ALL CONCEALED HVAC EQUIPMENT, VALVES AND OTHER RELATED EQUIPMENT. THE HVAC CONTRACTOR SHALL IDENTIFY THESE REQUIREMENTS ON A COORDINATED SHOP DRAWING PRIOR TO SYSTEM FABRICATION AND INSTALLATION.
(10)	ALL CEILING MOUNTED EQUIPMENT MUST BE SUPPORTED DIRECTLY FROM BUILDING STRUCTURE WITH COMBINATION SPRING AND NEOPRENE-IN-SHEAR HANGERS AND ROD. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED TO ADEQUATELY SUPPORT THE LOAD.
(11)	THE MECHANICAL CONTRACTOR IS TO INCLUDE IN HIS BID ALL LOW VOLTAGE CONTROL WIRING, THERMOSTATS, RELAYS, TRANSFORMERS, STARTERS ETC FOR A COMPLETE OPERATING CONTROL SYSTEM AS DESCRIBED IN THE SEQUENCE OF OPERATIONS. (MC) IS ALSO RESPONSIBLE FOR LINE VOLTAGE CONTROL FOR EXHAUST FANS CONTROLLED FROM LIGHT SWITCH AND THERMOSTATS. ALL CONTROL WIRING IN THE AREAS THAT DO NOT HAVE DROPPED CEILINGS THE (MC) MUST PROVIDE ALL CONTROL WIRING CONDUIT. IN AREAS OF DROPPED CEILING PLENUM RATED CONTROL WIRING CAN BE RUN EXPOSED ABOVE CEILING.
(12)	ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS/SPECIFICATIONS.

HVAC DEMOLITION NOTES	
1.	CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION OF MECHANICAL EQUIPMENT AND MATERIAL RELATING TO THEIR RESPECTIVE TRADE.
2.	EXECUTE THE DEMOLITION IN CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE DISTURBANCE TO THE PUBLIC, EGRESS OR THE FUNCTIONING OF THE EXISTING BUILDING.
3.	PRIOR TO DEMOLITION, CONTRACTOR SHALL REVIEW WITH OWNER ALL MATERIALS TO BE REMOVED. SHOULD THE OWNER WANT TO KEEP ANY MATERIALS THE CONTRACTOR SHALL REMOVE AND DELIVER THE PARTS TO THE OWNER ON THE SITE WHERE SO DIRECTED. OTHERWISE ALL DEMOLISHED OR REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AND BE DISPOSED OF IN A LEGAL MANNER.
4.	DEMOLITION SHALL INCLUDE REMOVAL OF ALL PARTS AND PIECES IN THEIR ENTIRETY BACK TO POINTS INDICATED OR IF NOT INDICATED BACK TO THEIR POINT OF SOURCE.
5.	WHERE CONDITIONS PROHIBIT TOTAL REMOVAL OF THE WORK, THE REMAINING PORTION SHALL BE CUT FLUSH WITH THE SURROUNDING SURFACE AND BE CAPPED, PLUGGED OR SEALED AND THE SURROUNDING SURFACE SHALL BE REFINISHED IN AN APPROVED MANNER.
6.	DO NOT REMOVE EXISTING STRUCTURAL WORK. DO NOT REMOVE OPERATIONAL ELEMENTS AND SAFETY-RELATED COMPONENTS IN A MANNER RESULTING IN A REDUCTION OF CAPACITIES TO PERFORM IN THE MANNER INTENDED OR RESULTING IN DECREASED OPERATIONAL LIFE, INCREASED MAINTENANCE, OR DECREASED SAFETY.
7.	REMOVALS, DISCONNECTIONS, AND RELOCATIONS SHALL BE PERFORMED BY WORKMEN SKILLED IN THE TRADE INVOLVED AND SHALL BE EMPLOYED BY A CONTRACTOR LICENSED IN THE TRADE INVOLVED. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ACCEPTED TRADE PRACTICES.
8.	PROVIDE ADEQUATE TEMPORARY SUPPORT FOR WORK TO REMAIN, TO PREVENT FAILURE. DO NOT ENDANGER OTHER WORK.
9.	PROTECTION: PROVIDE ADEQUATE PROTECTION WHERE REQUIRED FOR THE PRESENT BUILDING AND ITS CONTENTS. TEMPORARY DUSTPROOF BARRIERS AND BARRICADES SHALL BE ERECTED WHERE REQUIRED FOR PROTECTION OF PERSONNEL, PROTECTION FROM DUST AND DIRT, FOR SECURITY, FIRE AND WEATHER PROTECTIVE REASONS.
10.	CONTRACTOR SHALL TAKE EVERY PRECAUTION AGAINST FIRE BY EMPLOYING FIRE DEPARTMENT TYPE HOSES AND PORTABLE FIRE EXTINGUISHERS AS REQUIRED BY OSHA AND/OR THE OWNER'S INSURANCE UNDERWRITER.
11.	BEFORE STARTING DEMOLITION OPERATIONS, PROVIDE THE NECESSARY PROTECTIVE DEVICES, WHERE REQUIRED, AND IN STRICT ACCORDANCE WITH OSHA RULES AND REGULATIONS.
12.	FIELD VERIFY DEMOLITION REQUIREMENTS AND EXISTING CONDITIONS.
13.	CONTRACTOR SHALL ESTABLISH A PATH OF TRAVEL AND TIME SCHEDULE FOR THE REMOVAL OF ALL DEBRIS AND WASTE, AND HAVE THIS APPROVED BY OWNER. CONTRACTOR IS TO ENSURE THAT ALL CORRIDORS AND PUBLIC AREAS BE KEPT FREE OF OBSTRUCTIONS, DEBRIS, AND ARE TO BE BROOM SWEEP CLEAN AT ALL TIMES.
14.	CONTRACTOR SHALL VISIT THE SITE AND BECOME INFORMED AS TO THE CONDITION OF THE PREMISES AND THE EXTENT AND CHARACTER OF WORK REQUIRED. NO ADDITIONAL COMPENSATION WILL BE APPROVED DUE TO FIELD CONDITIONS.

SCOPE OF WORK:	
1.	THE REMOVAL OF FOUR (4) EXISTING AIR THROUGH THE WALL AIR CONDITIONERS.
2.	THE REMOVAL OF A ROOFTOP EXHAUST FAN.
3.	THE PROVISION OF ONE (1) NEW SPLIT DIRECT EXPANSION AIR CONDITIONING SYSTEM (FOUR INDOOR UNITS AND ONE CONDENSING UNIT) AND A VENTILATION DESIGN FOR FIVE (5) ELEVATOR HOISTWAYS.
4.	THE PROVISION OF ROOF CURB AND ANCILLARY SUPPORT ELEMENTS.
5.	CONTROLS FOR THE SPLIT AC SYSTEMS AND ELEVATOR HOISTWAY SHAFT VENTING.
NOTE: THIS SCOPE OF WORK DESCRIPTION IS PROVIDED TO GIVE AN OVERALL "MACRO" DESCRIPTION OF THIS PROJECT. M.C. IS RESPONSIBLE TO REVIEW ALL ENGINEERING AND ARCHITECTURAL DRAWINGS AND VISIT THE SITE IF NEEDED. PRIOR TO SUBMISSION OF BID. REFER TO SPECIFICATIONS FOR FURTHER SCOPE OF WORK. IF CONFLICTS ARISE, CONTACT DESIGN ENGINEER BEFORE FABRICATION.	
BID NOTES	
1.	BASE BID: ALL ITEMS SHOWN ON THESE DWGS WITH REQUIRED INTERLOCKS AND CONTROLLERS.
2.	M.C. IS RESPONSIBLE TO PROVIDE A FULLY FUNCTIONAL, OPERATING CONTROLS SYSTEM.
3.	THE CONTRACTOR MUST SUBMIT ANY EQUIPMENT ALTERNATES 2 WEEKS PRIOR TO BIDS DUE FOR REVIEW AND COMMENTS. ALTERNATES MUST BE ACCEPTED BY LIRO ENGINEERS, INC., THE ARCHITECT, AND THE OWNER PRIOR TO INCLUSION IN BID. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE EQUIPMENT ALTERNATES WITH OTHER TRADES AND MAKE ADJUSTMENTS TO THE MECHANICAL SYSTEMS, AS REQUIRED, TO ACCOMMODATE THESE NEW ALTERNATES.
4.	CHANGES WHICH DEEM TO EFFECT THE DESIGN SHALL BE SUBMITTED WITH A NYS P.E. APPROVED DRAWING AT THE CONTRACTOR'S EXPENSE AND SHALL BE REVIEWED BY ENGINEER.

HVAC ABBREVIATIONS	
IDENTIFIER	DESCRIPTION
A.D.	ACCESS DOOR
A.P.D.	AIR PRESSURE DROP
BG	BOTTOM GRILLE
BOT	BOTTOM
BR	BOTTOM REGISTER
CFM	CUBIC FEET PER MINUTE
CP	CONTROL PANEL
DN	DOWN
EA	EXHAUST AIR
EF	EXHAUST FAN
EG	EXHAUST GRILLE
ETR	EXISTING TO REMAIN
ESP	EXTERNAL STATIC PRESSURE
FAI	FRESH AIR INTAKE
FLA	FULL-LOAD-AMPERAGE
FPM	FEET PER MINUTE
GC	GENERAL CONTRACTOR
MC	MECHANICAL CONTRACTOR
MIN	MINIMUM
TYP.	TYPICAL
VIC	VIBRATION ISOLATION CONNECTION
VIF	VERIFY IN FIELD
W.C.	WATER COLUMN
WMS	WIRE MESH SCREEN

SHOP DRAWING NOTES:	
THE CONTRACTOR IS RESPONSIBLE TO SUBMIT ALL OF THE FOLLOWING ITEMS FOR REVIEW AND APPROVAL. ALL SUBMITTALS MUST BE SENT WITH MANUFACTURER'S SPECIFIC MODELS AND SPECIFICATIONS OUTLINED TO MATCH THE SCHEDULED REQUIREMENTS. EACH SUBMITTAL MUST BE LABELED WITH THE UNIT DESIGNATION USED WITHIN THIS DRAWING SET.	
1.	M.C. IS RESPONSIBLE TO DEVELOP & SUBMIT TO THE ENGINEER FOR REVIEW & APPROVAL THE FOLLOWING SHOP DWGS: A. ONE (1) SPLIT DX A.C. SYSTEMS (FOUR INDOOR UNITS AND ONE CONDENSING UNIT) B. REFRIGERANT PIPING AND ACCESSORIES FOR COMPLETE INSTALLATION OF SPLIT UNITS. C. ROOF CURB AND ANCILLARY SUPPORT ELEMENTS. D. SHEET METAL / DUCTWORK FOR VENTING OF THE ELEVATOR SHAFT. E. ALL CONTROL DEVICES, SENSORS, WIRING DIAGRAMS, SEQUENCE OF OPERATIONS, ETC. F. STRUCTURAL FASTENING MATERIALS, METHODS, & LOCATIONS TO PROPERLY SECURE THE EXHAUST FAN EQUIPMENT TO CONCRETE CEILING SLAB.
NOTE: ELECTRONIC COPIES OF EACH SHOP DRAWING/EQUIPMENT SUBMITTAL MUST BE SUBMITTED TO THE ENGINEER, ARCHITECT, OWNER, G.C., AND M.C. OBTAIN COPIES OF ALL APPROVED/REJECTED (BY THE ENGINEER) DOCUMENTS. ALL EQUIPMENT/DEVICE IDENTIFICATION LETTERS/ NUMBERS MUST BE CLEARLY LABELED ON THE SUBMITTALS. NO EXCEPTIONS TAKEN. DIGITAL SHOP DRAWINGS WILL BE ACCEPTED.	
2.	M.C. MUST PROVIDE, AT MINIMUM, THE FOLLOWING CLOSE OUT DOCUMENTATION FOR THE EQUIPMENT/PROJECT: A. MECHANICAL EQUIPMENT & ACCESSORY WARRANTIES. B. LETTER FROM M.C. CONFIRMING ALL SENSORS HAVE BEEN PROGRAMMED, COMMISSIONED, & ARE PROPERLY FUNCTIONS. C. AS BUILTS FOR ALL INSTALLED SYSTEMS. D. CONTROLS SEQUENCES FOR OPERATIONS AND OPERATING MANUALS.
NOTE: REFER TO SPECIFICATIONS FOR FURTHER SHOP DRAWING REQUIREMENTS. IF CONFLICTS ARISE, CONTACT DESIGN ENGINEER BEFORE FABRICATION.	

NYCECC COMPLIANCE	
TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 NEW YORK CITY ENERGY CONSERVATION CODE.	

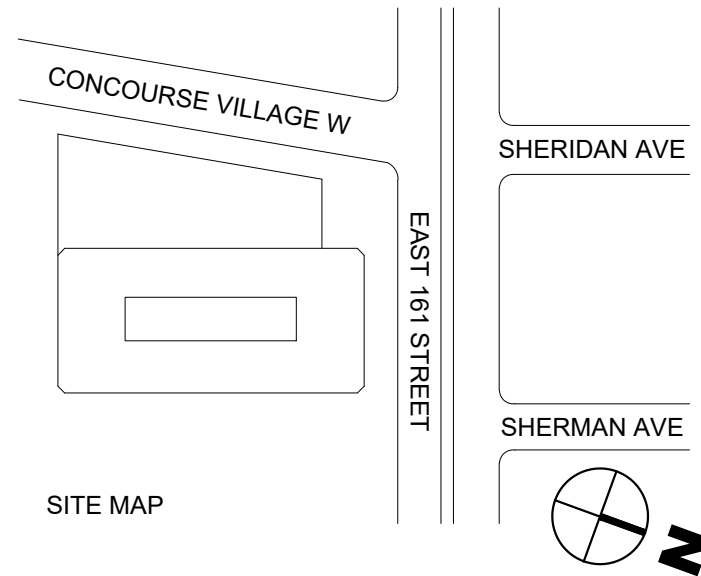
SPECIAL INSPECTION NOTES	
THE SPECIAL INSPECTION AGENCY SHALL OBSERVE WORK SUBJECT TO SPECIAL INSPECTION TO CONFIRM THAT THE WORK THAT IS THE SUBJECT OF THE SPECIAL INSPECTION IS IN COMPLIANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS; WITH THE APPROVED SHOP DRAWINGS, WHERE PROVIDED; AND WITH THE SPECIAL INSPECTION REQUIREMENTS OF BUILDING CONSTRUCTION CODE AND BUILDING DEPARTMENT RULES AND REGULATIONS.	

TR1 SPECIAL INSPECTIONS	CODE/SECTION
MECHANICAL SYSTEMS	BC 1705.21
ENERGY CODE COMPLIANCE INSPECTIONS (TR8)	BC 110.3.5
FINAL	28-116.2.4.2, BC 110.5, DIRECTIVE 14 OF 1975, AND RCNY §101-10

BUILDING DEPARTMENT NOTES	
1.	ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2022 NYC CONSTRUCTION CODE (CC), BUILDING CODE (BC), AND MECHANICAL CODE (MC). WORK SHALL BE EXECUTED IN FULL COMPLIANCE WITH THE APPLICABLE PROVISIONS OF ALL LOCAL LAWS, BY LAWS, STATUTES, ORDINANCES, CODES, RULES REGULATIONS AND LAWFUL ORDERS OF PUBLIC AUTHORITIES BEARING ON THE PERFORMANCE AND EXECUTION OF THE WORK. ALL WORK SHALL COMPLY WITH THE 2020 NYC ENERGY CONSERVATION CODE.
2.	MATERIALS, OPERATIONS AND EQUIPMENT OF REQUIRED HVAC SYSTEM SHALL BE SUBJECT TO SPECIAL INSPECTIONS AS REQUIRED IN CONSTRUCTION CODE ADMINISTRATIVE PROVISION, ARTICLES 28-115, 28-116, 28-118, BC-109. REFER TO SPECIAL INSPECTION NOTED ON DRAWING M-002. A. FORM TR-1 SHALL BE FILED PRIOR TO INSTALLATION. FORM TR-1 SHALL AGAIN BE FILED UPON COMPLETION OF INSTALLATION. B. THEY SHALL HAVE BEEN ACCEPTABLE PRIOR TO THE EFFECTIVE DATE OF THE CODE BY THE BOARD OF STANDARDS AND APPEALS. C. THEY SHALL HAVE BEEN ACCEPTED FOR USE UNDER THE PRESCRIBED TEST METHODS BY THE COMMISSIONER (OR). D. PREVIOUSLY APPROVED BY THE BOARD OF STANDARDS AND APPEALS (AS PER CC SECTION 28-113)
3.	ALL MATERIALS AND EQUIPMENT DELIVERED TO THE SITE SHALL BE RECOGNIZED BY THE OFFICE OF TECHNICAL CERTIFICATION AND RESEARCH (OTCR). PRODUCTS ARE NOT CODE-PRESCRIBED OR APPROVED ALTERNATIVE AND SHALL BE REJECTED UNTIL SUCH CERTIFICATES ARE OBTAINED.
4.	ALL EQUIPMENT USE PERMITS SHALL BE OBTAINED BY THE CONTRACTOR AS REQUIRED IN NEW YORK CITY CONSTRUCTION CODES.

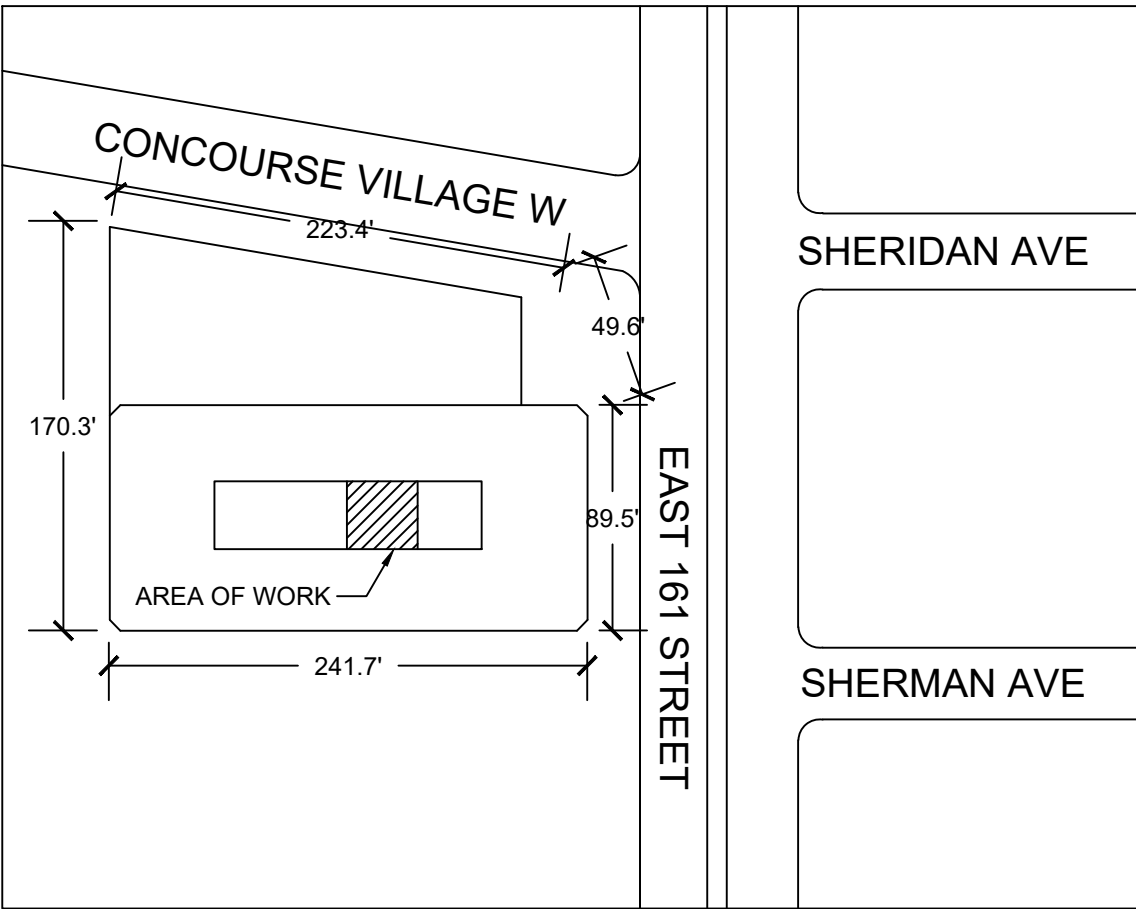
DOB DISCLAIMER NOTE:	
*THIS PLAN APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.	

MECHANICAL DRAWING LIST	
SHEET NO.	SHEET NAME
M-001.00	MECHANICAL NOTES, SYMBOLS, LEGENDS, AND DRAWING LIST
EN-001.00	MECHANICAL ENERGY COMPLIANCE SHEET 1
EN-002.00	MECHANICAL ENERGY COMPLIANCE SHEET 2
M-101.00	MECHANICAL BULKHEAD DEMOLITION AND CONSTRUCTION PLANS
M-801.00	MECHANICAL DETAILS AND SCHEDULES



HVAC SYMBOL LIST			
IDENTIFIER	DESCRIPTION	IDENTIFIER	DESCRIPTION
	NEW DUCTWORK OR PIPING		EQUIPMENT TAG
	EXISTING DUCTWORK OR PIPING TO BE REMOVED		EQUIPMENT NUMBER
	EXISTING DUCTWORK OR PIPING TO REMAIN		DETAIL TAG/CALL OUT TAG
	REGULAR SUPPLY AIR DUCT (UP AND DOWN)		MECHANICAL SHEET NUMBER
	REGULAR RETURN AIR DUCT (UP AND DOWN)	ACU	AIR CONDITIONING UNIT
	REGULAR EXHAUST AIR DUCT (UP AND DOWN)	ACCU	AIR COOLED CONDENSING UNIT
	REGULAR OUTSIDE AIR DUCT (UP AND DOWN)		AIR FLOW ARROW
SD	SMOKE DETECTOR		THERMOSTAT
	MOTOR OPERATED DAMPER		SMOKE DETECTOR
	SECTION TAG		KEY NOTE
	SHEET NUMBER		

TR8 - PROGRESS INSPECTION FOR ENERGY CODE COMPLIANCE - COMMERCIAL BUILDINGS			
INSPECTION/TEST	PERIODIC (MINIMUM)	REFERENCE STANDARD (SEE ECC CHAPTER C5) OR OTHER CRITERIA	ECC OR OTHER CITATION
IIB			
IIB2	SHUT-OFF DAMPERS	AS REQUIRED DURING INSTALLATION	APPROVED CONSTRUCTION DOCUMENTS
IIB3	HVAC-R AND SERVICE WATER HEATING EQUIPMENT: EQUIPMENT SIZING, EFFICIENCIES, PIPE SIZING AND OTHER PERFORMANCE FACTORS OF ALL MAJOR EQUIPMENT UNITS, AS DETERMINED BY THE APPLICANT OF RECORD, AND NO LESS THAN 15% OF MINOR EQUIPMENT UNITS. SHALL BE VERIFIED BY VISUAL INSPECTION AND, WHERE NECESSARY, REVIEW OF MANUFACTURER'S DATA.	PRIOR TO FINAL PLUMBING AND CONSTRUCTION INSPECTION.	APPROVED CONSTRUCTION DOCUMENTS, ASHRAE 183, ASHRAE HVAC SYSTEMS AND EQUIPMENT HANDBOOK
IIB4	HVAC-R AND SERVICE WATER HEATING SYSTEM CONTROLS: NO LESS THAN 20% OF EACH TYPE OF REQUIRED CONTROLS AND ECONOMIZERS SHALL BE VERIFIED BY VISUAL INSPECTION AND TESTED FOR FUNCTIONALITY AND PROPER OPERATION. SUCH CONTROLS SHALL INCLUDE, BUT ARE NOT LIMITED TO: THERMOSTATIC, OFF-HOUR.	AFTER INSTALLATION AND PRIOR TO FINAL ELECTRICAL AND CONSTRUCTION INSPECTION.	APPROVED CONSTRUCTION DOCUMENTS, INCLUDING CONTROL SYSTEM NARRATIVES; ASHRAE GUIDELINE 1: THE HVAC COMMISSIONING PROCESS WHERE APPLICABLE.
IIB5	HVAC-R INSULATION AND SEALING: INSTALLED DUCT AND PIPING INSULATION SHALL BE VISUALLY INSPECTED TO VERIFY PROPER INSULATION PLACEMENT VALUES, JOINTS, LONGITUDINAL AND TRANSVERSE SEAMS AND CONNECTIONS IN DUCTWORK SHALL BE VISUALLY INSPECTED FOR PROPER SEALING.	AFTER INSTALLATION AND PRIOR TO CLOSING SHAFTS, CEILINGS AND WALLS.	APPROVED CONSTRUCTION DOCUMENTS; SMACNA DUCT CONSTRUCTION STANDARDS, METAL AND FLEXIBLE
IID			
IID1	MAINTENANCE INFORMATION: MAINTENANCE MANUALS FOR MECHANICAL, SERVICE HOT WATER AND ELECTRICAL EQUIPMENT AND SYSTEMS REQUIRING PREVENTIVE MAINTENANCE SHALL BE REVIEWED FOR APPLICABILITY TO INSTALLED EQUIPMENT AND SYSTEMS BEFORE SUCH MANUALS ARE PROVIDED TO THE OWNER. LABELS REQUIRED FOR SUCH EQUIPMENT OR SYSTEMS SHALL BE INSPECTED FOR ACCURACY AND COMPLETENESS.	PRIOR TO SIGN-OFF OR ISSUANCE OF FINAL CERTIFICATE OF OCCUPANCY.	APPROVED CONSTRUCTION DOCUMENTS, INCLUDING ELECTRICAL DRAWINGS WHERE APPLICABLE; ASHRAE GUIDELINE 4: PREPARATION OF OPERATING AND MAINTENANCE DOCUMENTATION FOR BUILDING SYSTEMS.



PLOT PLAN
NOT TO SCALE

BLOCK: 2443
LOT: 94
ZONE: 6A

This plan is 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.

DOB APPROVAL STAMP

Drawing Title:

MECHANICAL NOTES, SYMBOLS, LEGENDS, & DRAWING LIST

DOB APPLICATION NUMBER: X01304516-41

Seal:

Contract #: 20205400631

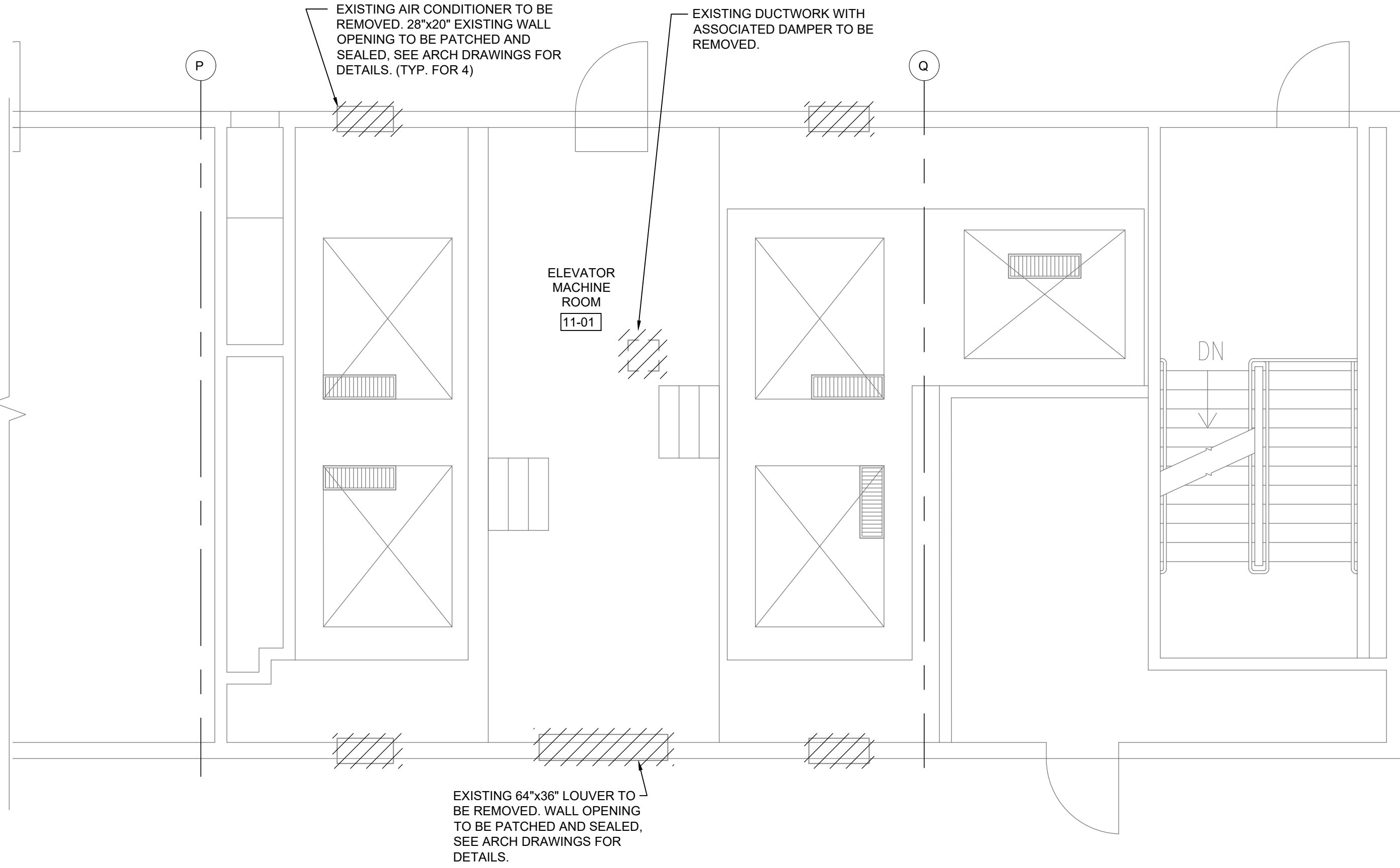
Project #: PW77198EV

Drawn by: INB

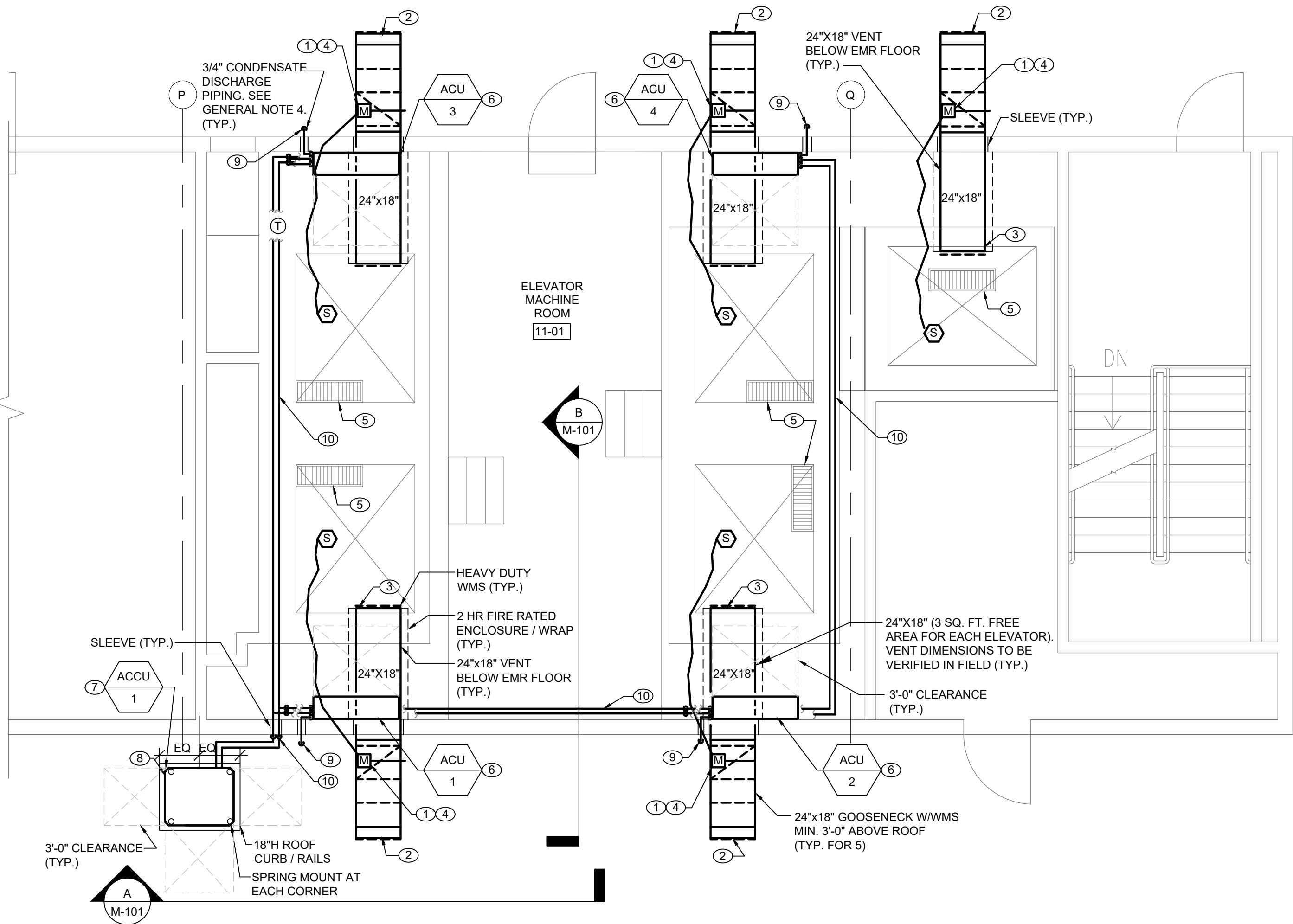
Checked by: TAD

Date: 10/17/2022

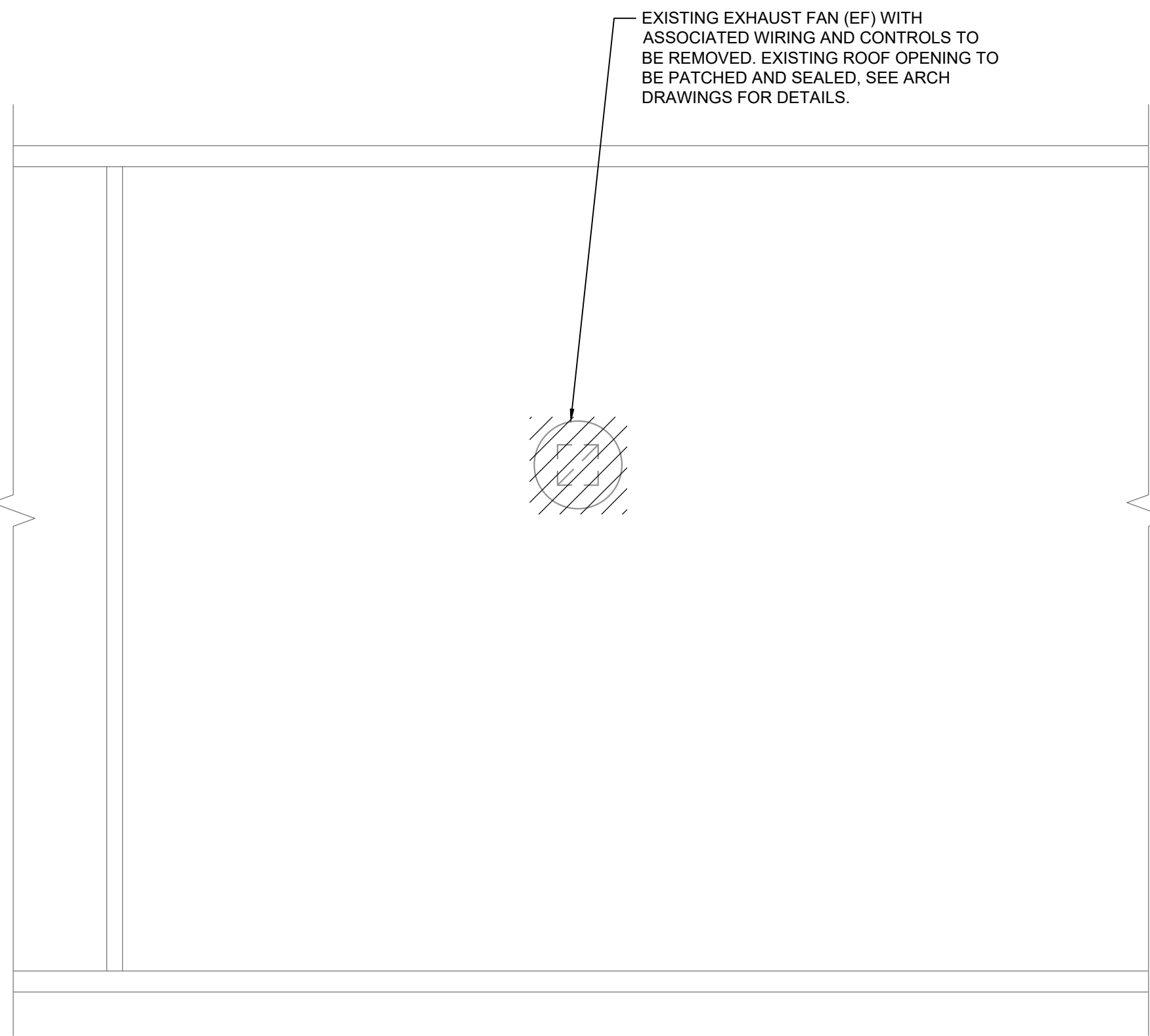
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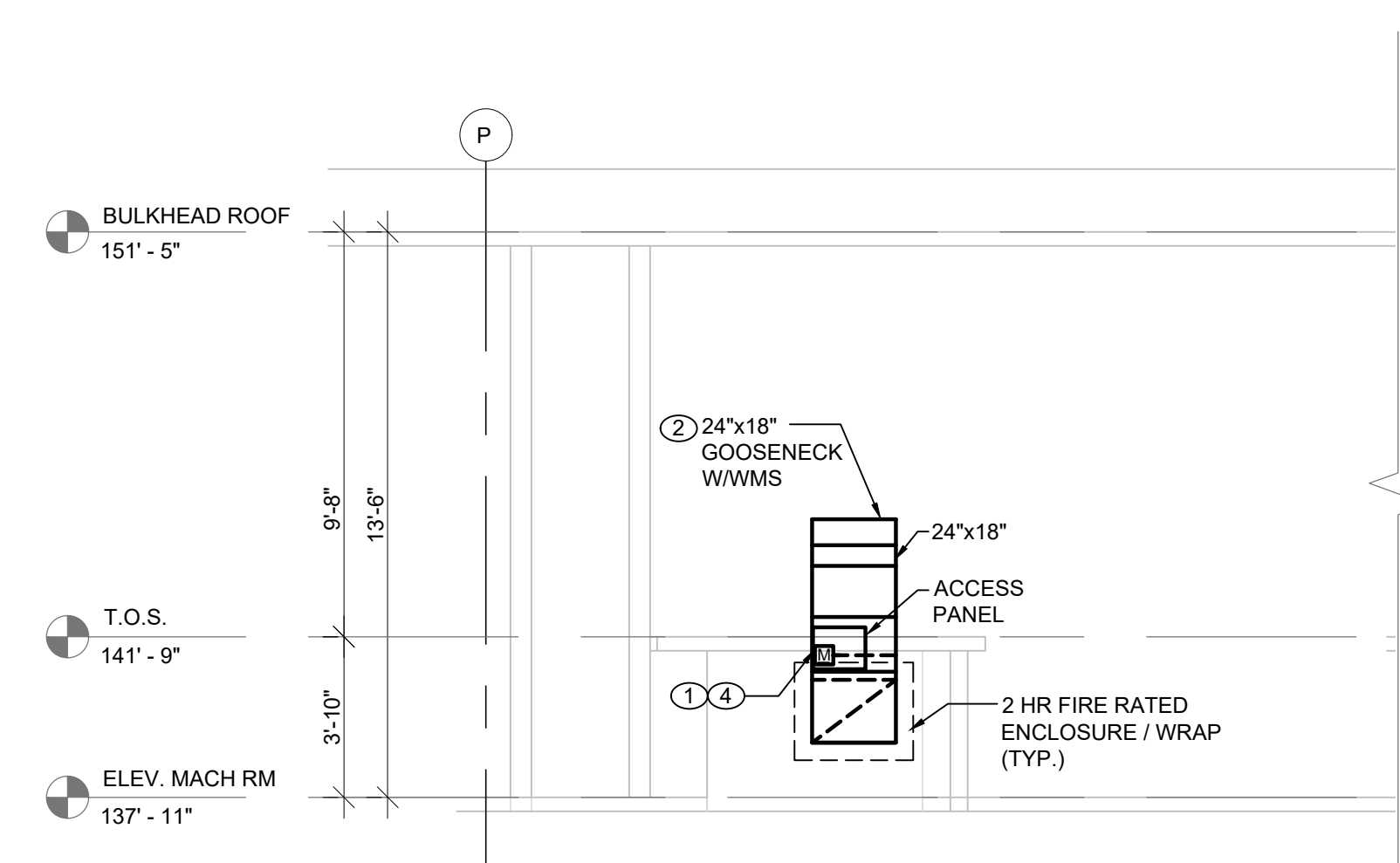
MECHANICAL BULKHEAD DEMOLITION PLAN
SCALE: 1/4" = 1'-0"
N



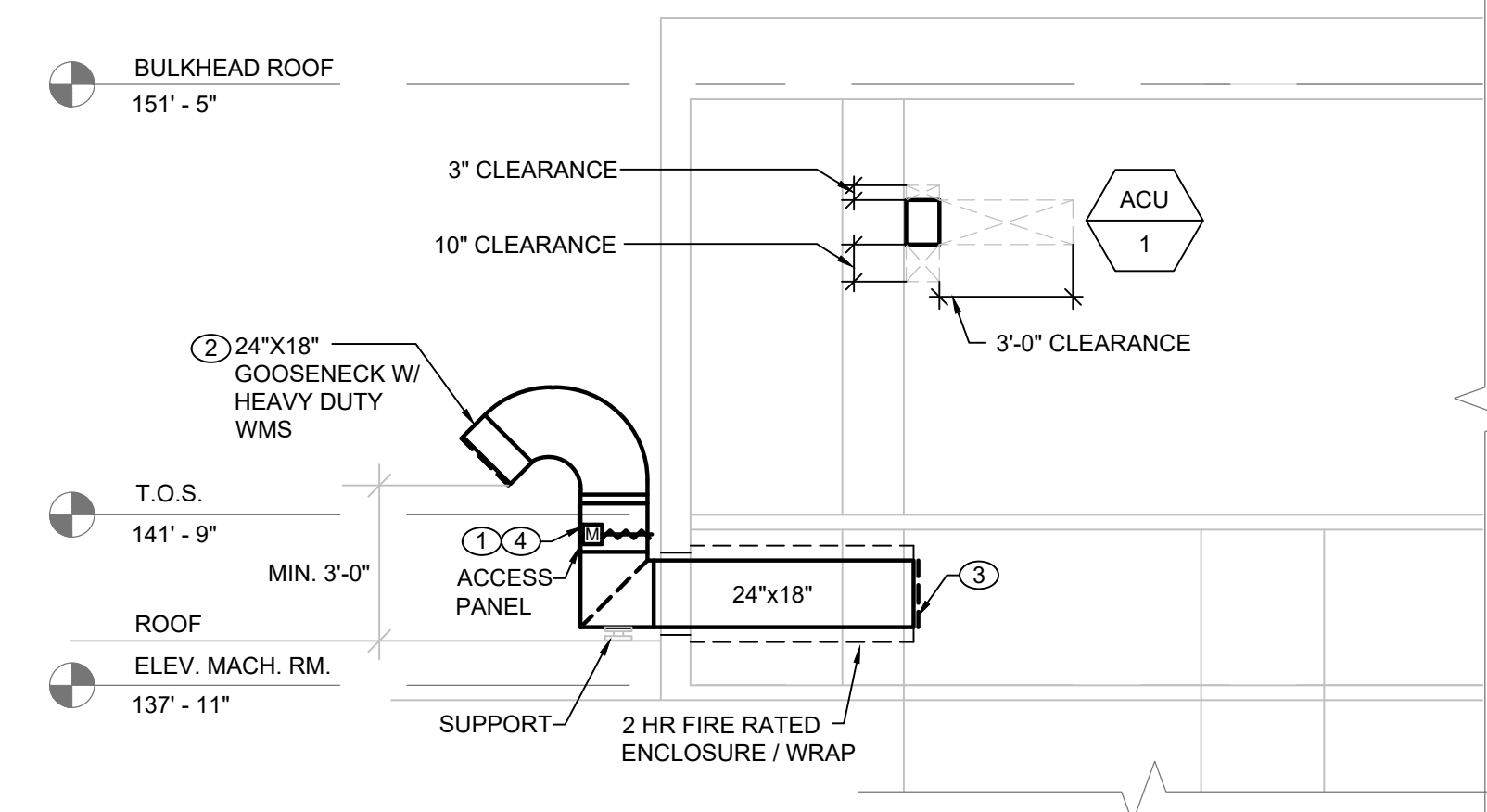
MECHANICAL BULKHEAD CONSTRUCTION PLAN
SCALE: 1/4" = 1'-0"
N



MECHANICAL ROOF DEMOLITION PART PLAN
SCALE: 1/4" = 1'-0"
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SECTION A
SCALE: 1/4" = 1'-0"



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

MECHANICAL NOTES:

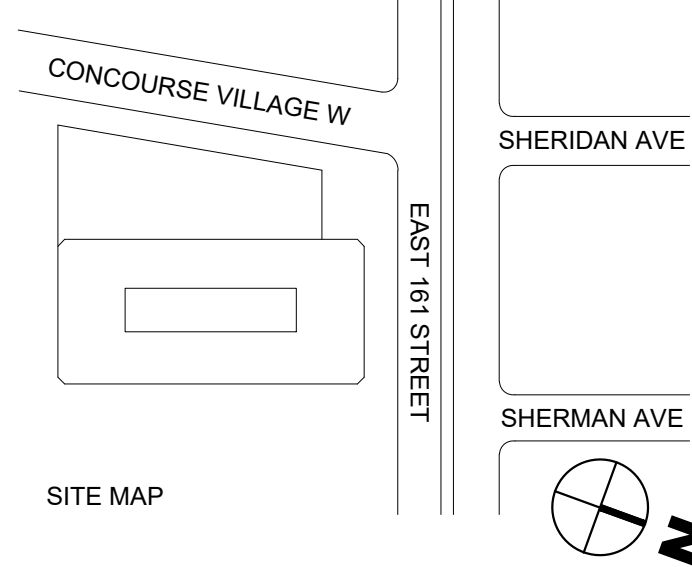
- DURING HOURS OF OPERATION, MOTORIZED DAMPER SHALL BE CLOSED. UPON LOSS OF POWER, UPON ACTIVATION OF A MANUAL OVERRIDE CONTROL OR SIGNAL RECEIVED FROM SMOKE DETECTOR LOCATED IN THE TOP OF THE HOISTWAY MOTORIZED DAMPER SHALL OPEN. REFER TO ELECTRICAL DRAWINGS FOR MANUAL OVERRIDE SWITCH LOCATION.
- 24"x18" GOOSENECK (3.0 SQUARE FEET FREE AREA) WITH WIRE MESH SCREEN. TERMINATE MIN. 3'-0" ABOVE ROOF LEVEL.
- DUCT SHALL TERMINATE INTO ELEVATOR HOISTWAY. DUCT SHALL BE INSTALLED AS HIGH AS POSSIBLE SO AS TO NOT INTERFERE WITH ELEVATOR EQUIPMENT OR PATH OF CAB.
- MOTORIZED DAMPER SHALL BE GREENHECK MODEL VCD-23 AND ACTUATOR MODEL MS4104F1210. PROVIDE AN ACCESS DOOR FOR EACH VENT MOTORIZED DAMPER. PROVIDE NEMA 1 FOR INTERNAL ACTUATOR AND NEMA 4X FOR EXTERNAL ACTUATOR (TYPICAL FOR 5).
- CONTRACTOR TO SEAL EXISTING "SMOKE HOLE" IN ELEVATOR MACHINE ROOM AIR TIGHT. SEE ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.
- MOUNT INDOOR, WALL-MOUNTED FAN COIL UNITS MINIMUM 6 FEET ABOVE UPPER ELEVATOR MACHINE ROOM LEVEL FINISHED FLOOR. PROVIDE GATEWAY CONTROLLER PROCON MELCOBEMS MINI (A1M), MODEL PAC-UKPRCO01-CN-1, WITH BACNET COMPATIBILITY FOR ALL INDOOR UNITS.
- CONNECT THE SPLIT SYSTEM TO THE EMERGENCY GENERATOR. REFER TO ELECTRICAL DRAWINGS.
- REFER TO DRAWING M-801 (DETAILS 8 AND 9) FOR CONDENSING UNIT MOUNTING DETAILS.
- EXTEND CONDENSATE DRAIN DOWN TO EXTERIOR WALL AND TERMINATE 12" ABOVE FINISHED ROOF. PROVIDE CONDENSATE SPLASH BLOCKS FOR THE CONDENSATE DRAINS ON ROOF.
- PROVIDE LINE HIDE AS PER MANUFACTURER RECOMMENDATIONS: WEATHER RESISTANT, UV STABILIZED, PVC (- 4°F TO 140°F), UL 94 V-0.

GENERAL NOTES:

- ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR BEFORE PROCEEDING WITH WORK. THE CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES FOR POSSIBLE INTERFERENCE WITH HIS WORK AND THE WORK OF OTHERS FROM NEW AND EXISTING CONDITIONS.
- COORDINATE REMOVALS AND INSTALLATION OF ALL EQUIPMENT TO MINIMIZE DOWNTIME OF EQUIPMENT.
- EXISTING FIRE ALARM SYSTEM WILL BE ACTIVE DURING ENTIRE CONSTRUCTION PERIOD. PROVIDE METHODS AND PROCEDURES TO MINIMIZE RISK OF FALSELY TRIGGERING ALARM.
- CONDENSATE DISCHARGE PIPING SHALL BE PITCHED 1/8" PER FOOT MINIMUM. SUPPORT DRAIN LINES TO PREVENT SAG AND CONDENSATE OVERFLOW. EXTEND CONDENSATE DRAIN 3" AWAY FROM THE EXTERIOR WALL OUTSIDE THE BUILDING. CONDENSATE DRAIN PIPING: TYPE M, DRAWN-TEMPER COPPER TUBING, WROUGHT-COPPER FITTINGS, AND SOLDERED JOINTS.
- PROVIDE CONDENSATE SPLASH BLOCKS FOR ALL CONDENSATE DRAINS ON ROOF.
- COORDINATE INSTALLATION OF ALL EQUIPMENT TO ALLOW FOR ACCESS AND MAINTENANCE OF ALL EQUIPMENT.
- PROVIDE ISOLATION VALVE AT EACH INDOOR UNIT.

BACNET POINTS TABLE

COMMANDABLE POINTS	DRIVE OFF/ON SETUP
	SETPOINT
	MODE SETUP
	FAN SPEED SETUP
	AIR DIRECTION SETUP
MONITOR ONLY POINTS	TEMPERATURE UNITS
	DRIVE OFF/ON STATE
	MODE STATE
	FAN SPEED STATE
	AIR DIRECTION STATE
	INLET TEMPERATURE
	FAULT CODE



BID SET SUBMISSION	MS	TD	03.20.2026	1
Revision / Issue	Approved	Reviewed	Date	No.



Address: 1 Center Street, New York, NY 10007

Project: 198 E161 Street - Elevators Modernization
Address: 198 E161 Street, Bronx, NY 10451

Sponsor Agency:
Sponsor Address:

Architect
Liro Architects + Planners, P.C.
State Street, 28th Fl, New York, NY 10004

MEP Engineer

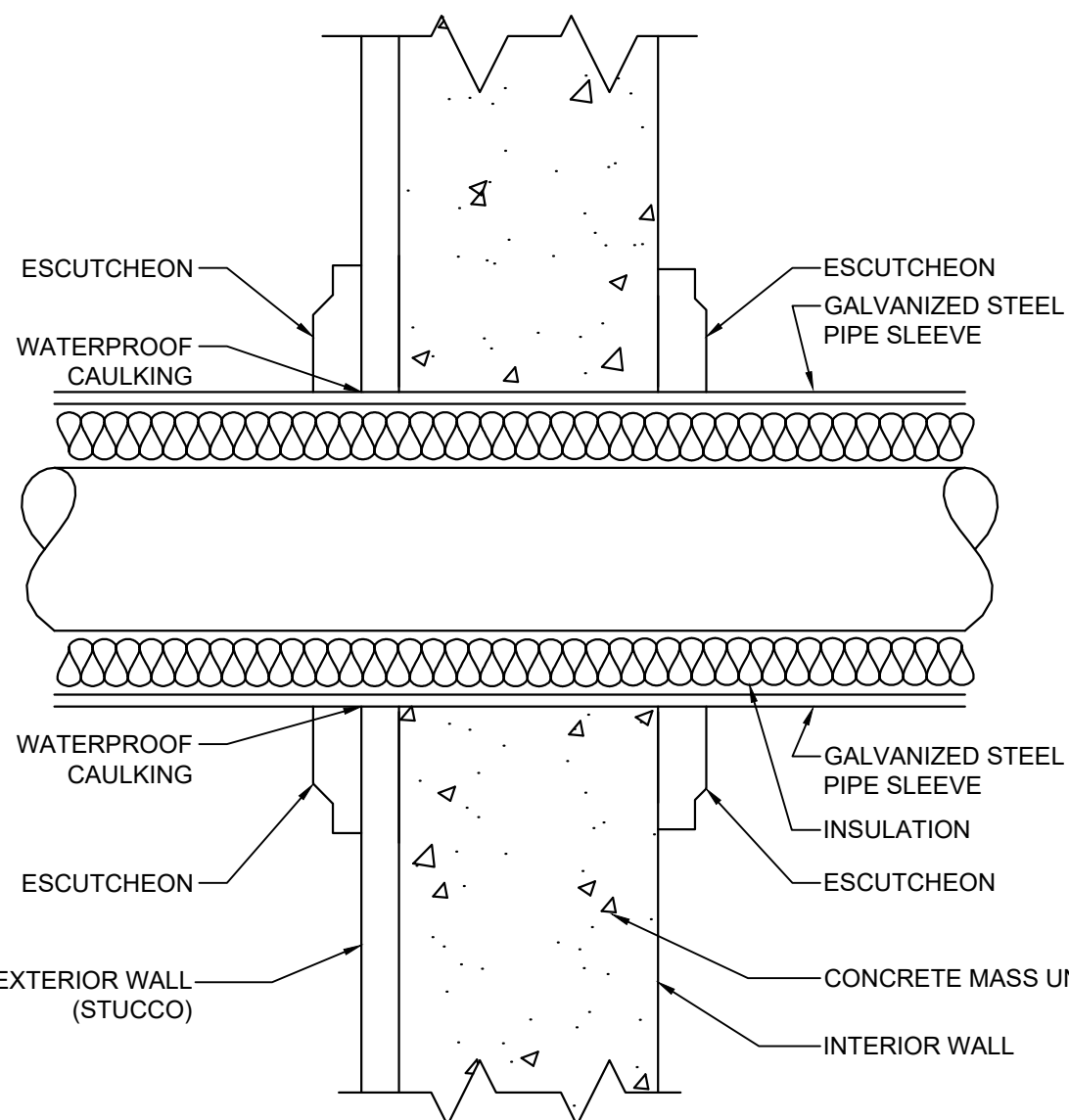
LiRo Engineers, Inc.
A LiRo Group Company
Syosset, N.Y. 516-214-8157(T)

Drawing Title:
MECHANICAL BULKHEAD DEMOLITION AND CONSTRUCTION PLANS

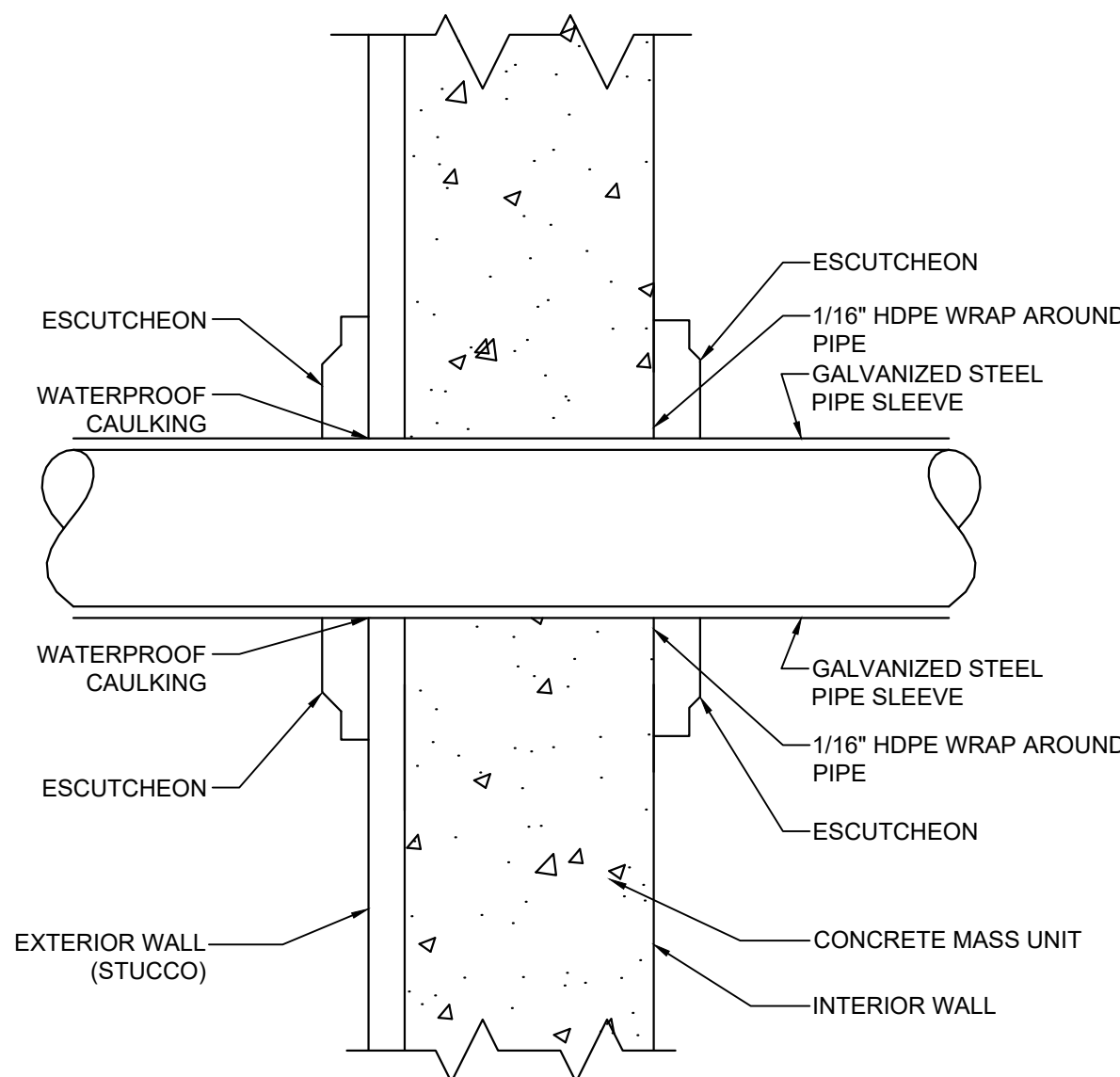
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Contract #: 20205400631
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Drawn by: INB
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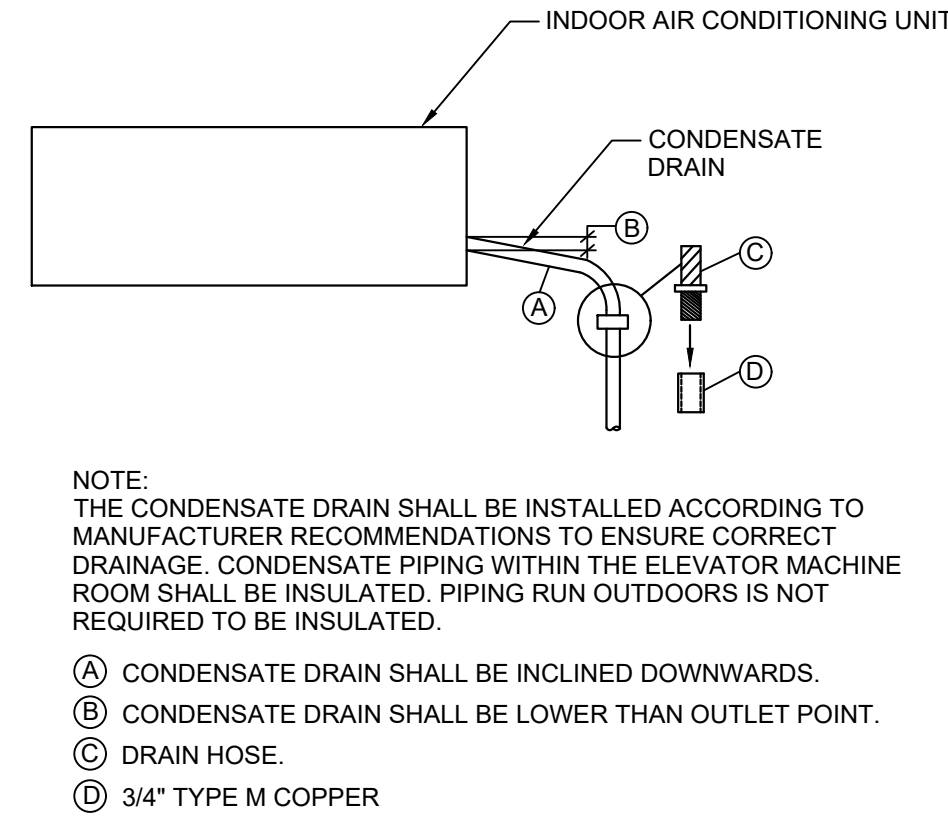
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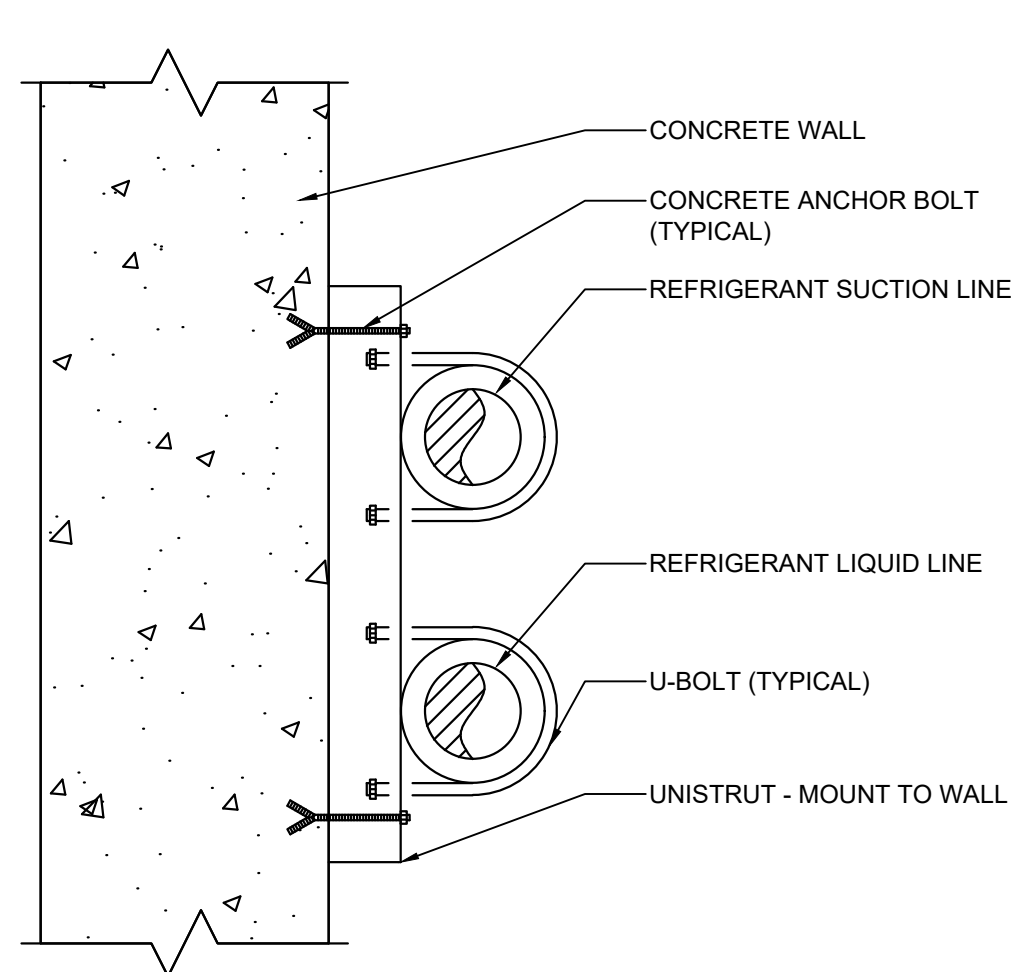
1 REFRIGERANT PIPING WALL PENETRATION DETAIL
SCALE: NOT TO SCALE



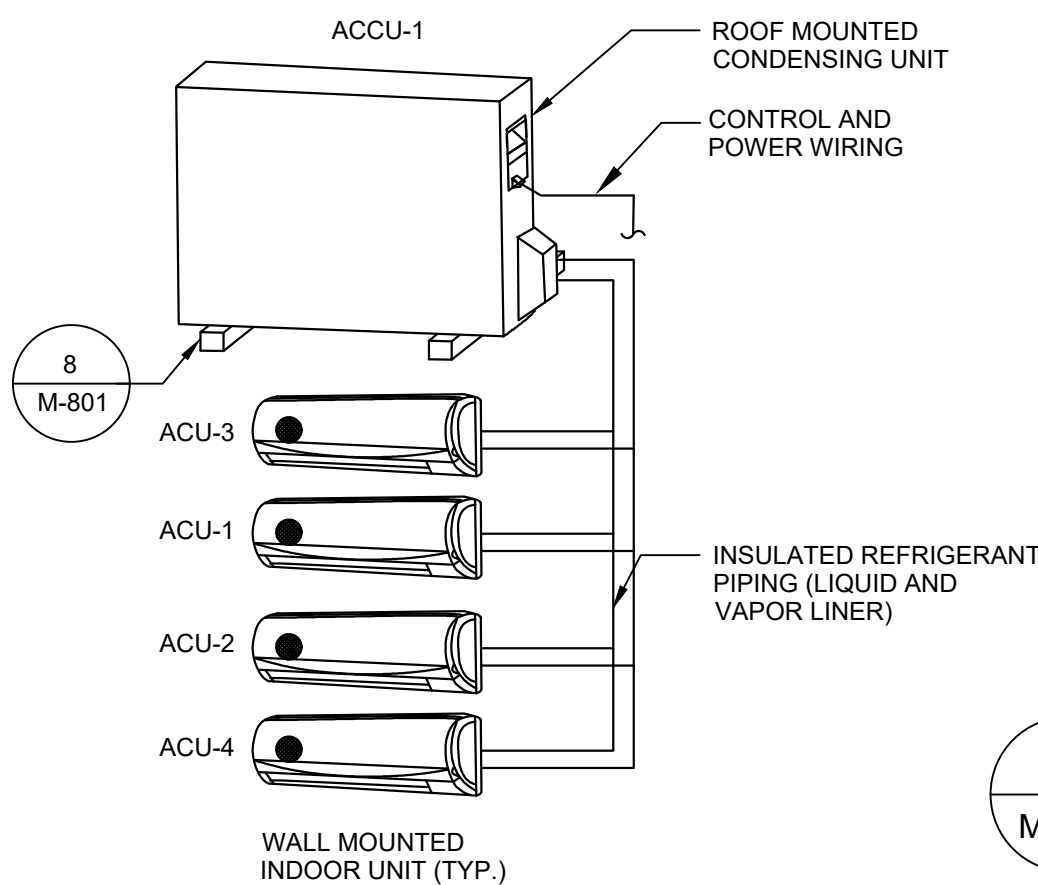
2 CONDENSATE PIPING WALL PENETRATION DETAIL
SCALE: NOT TO SCALE



3 CONDENSATE DRAIN DETAIL
SCALE: NOT TO SCALE

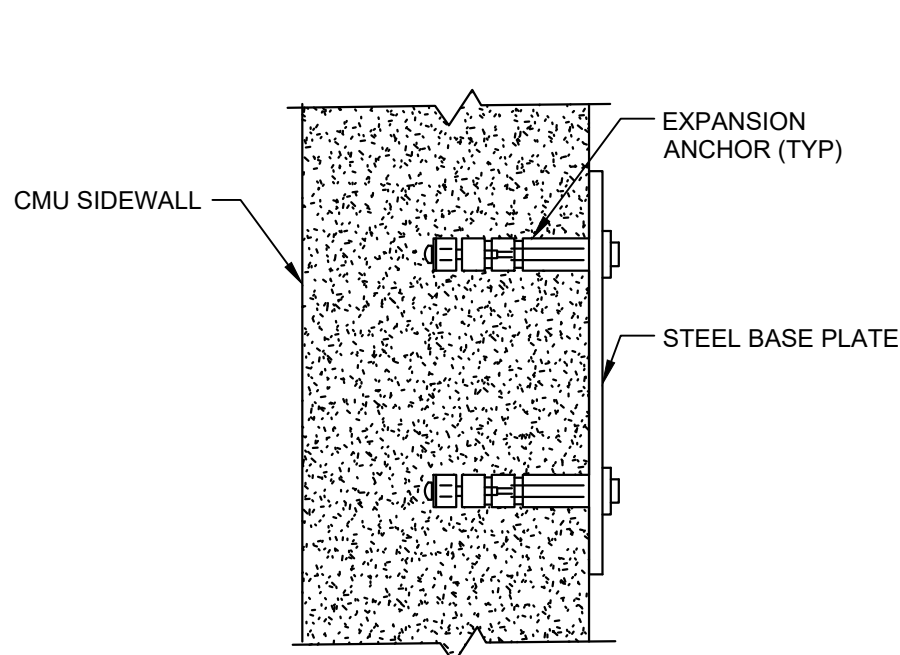


4 REFRIGERANT PIPING WALL MOUNTING DETAIL
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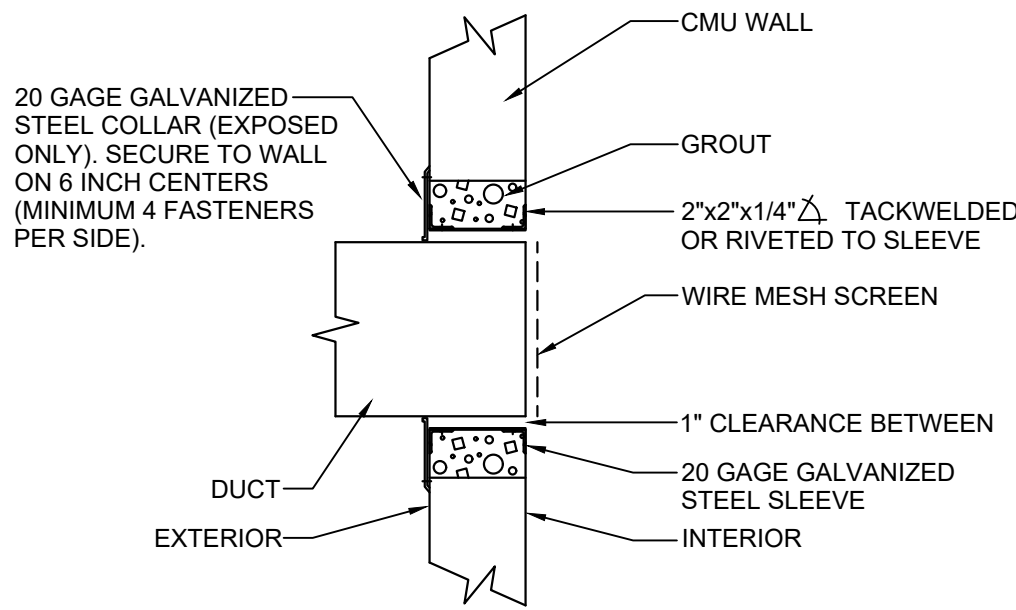


NOTE:
1. SIZING OF REFRIGERANT PIPING (LIQUID AND VAPOR LINES) TO BE PROVIDED BY MANUFACTURER.

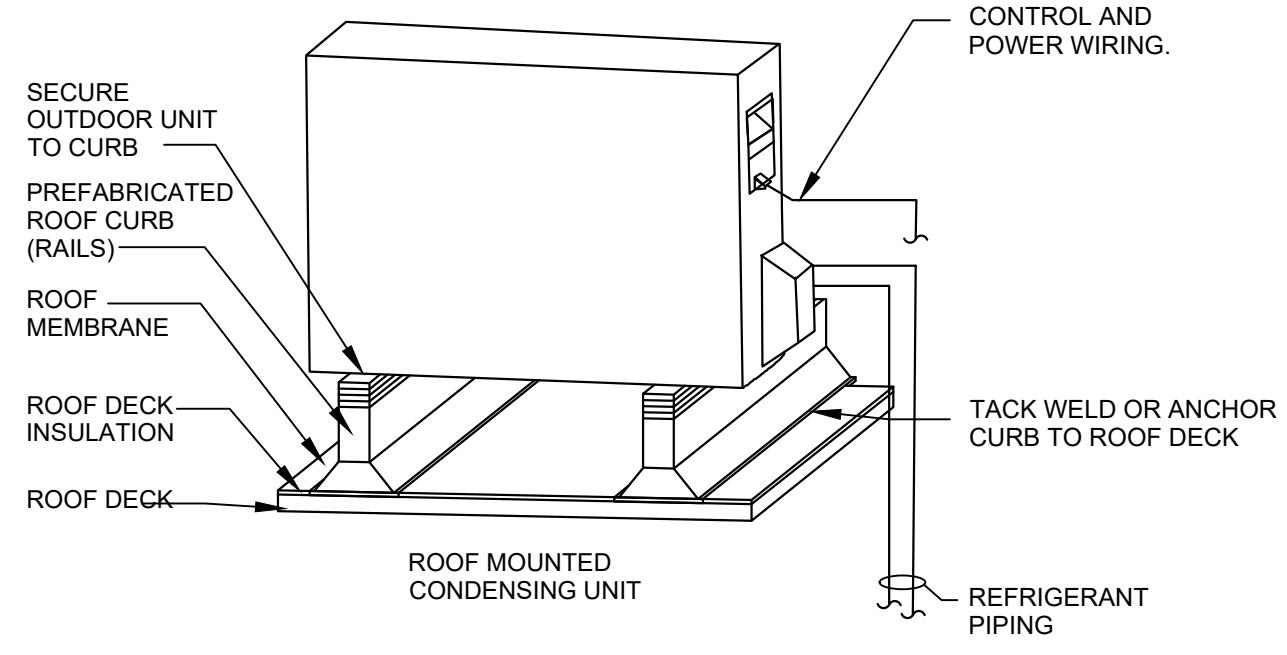
5 SPLIT DX SYSTEM DETAIL
SCALE: NOT TO SCALE



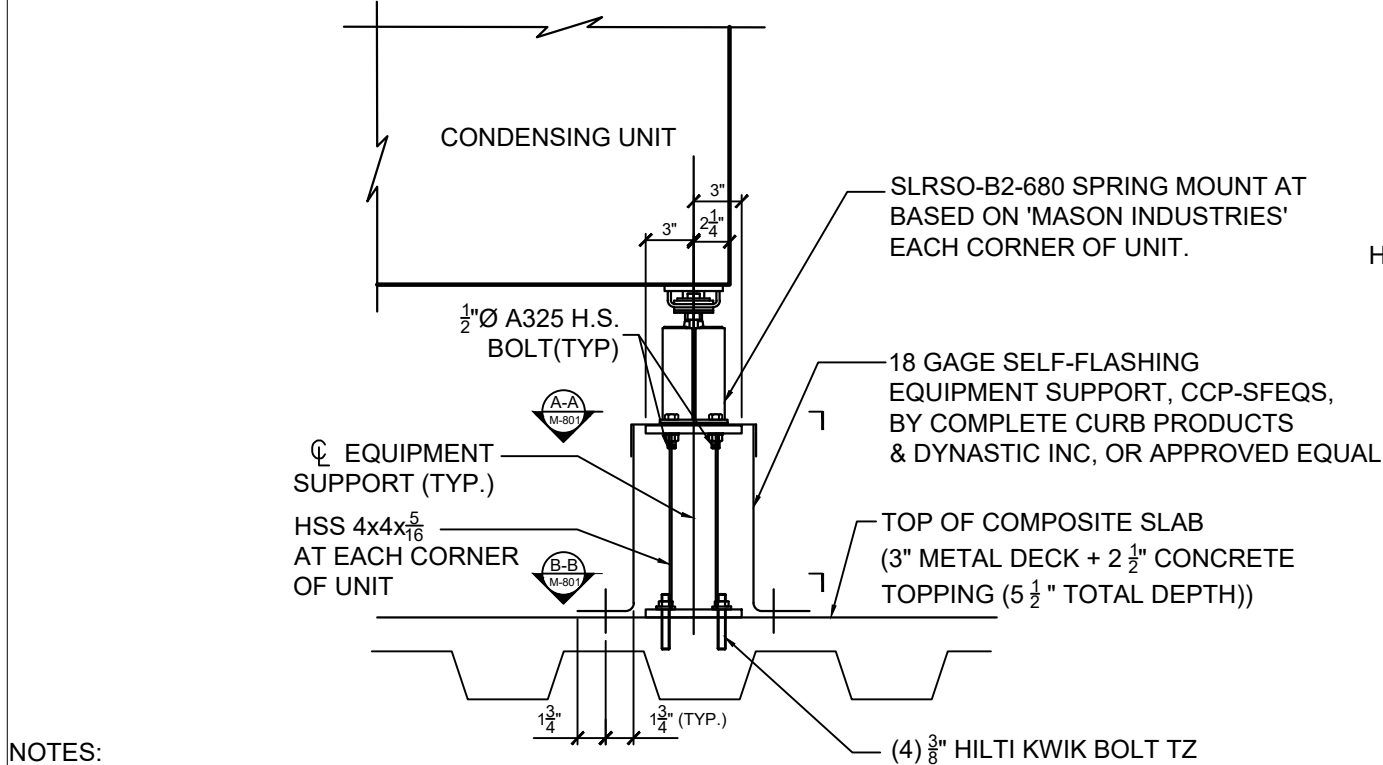
6 CONCRETE ANCHOR DETAIL
SCALE: NOT TO SCALE



7 DUCT PENETRATION THROUGH ELEVATOR SHAFT
SCALE: NOT TO SCALE

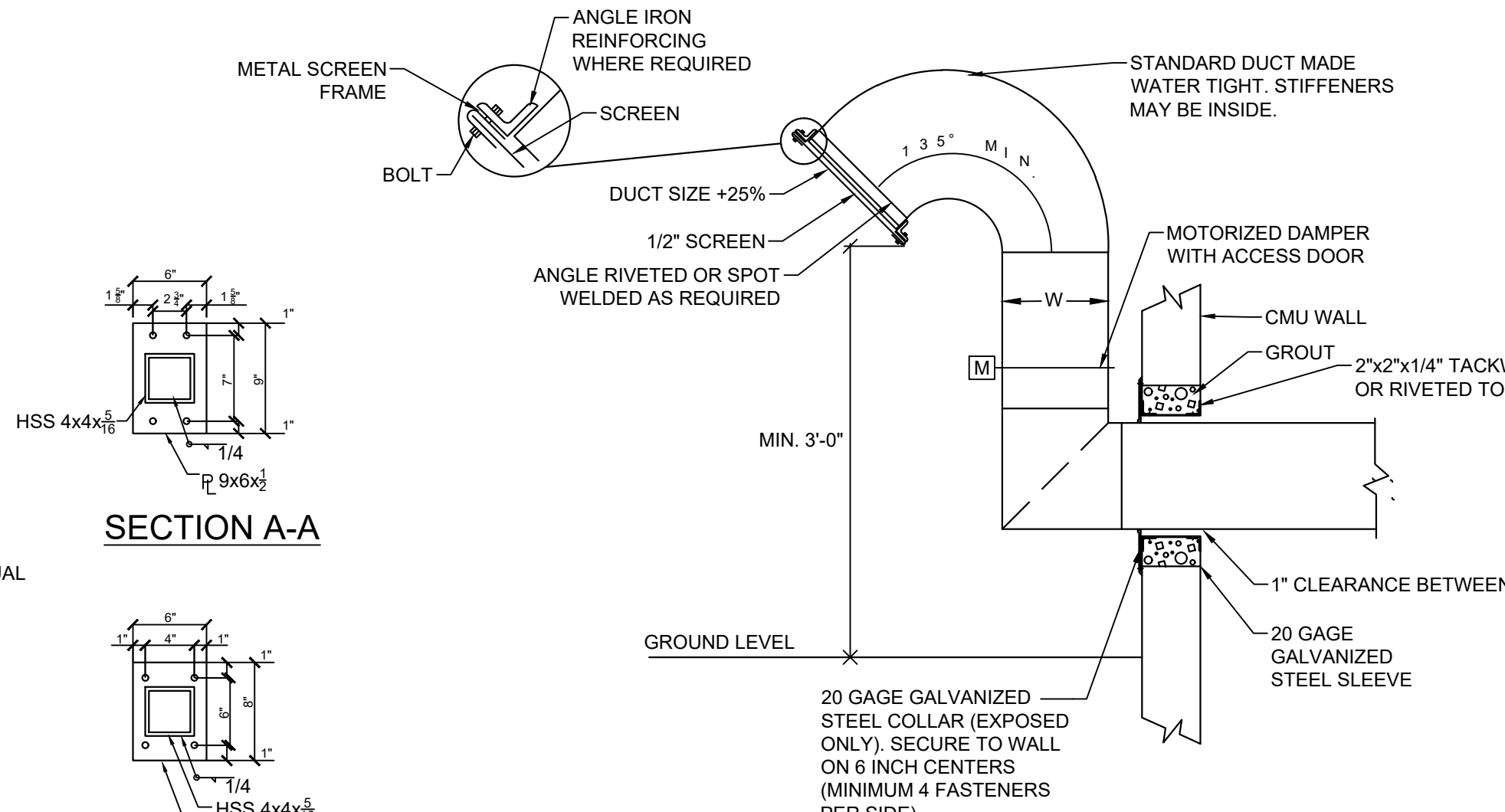


8 CONDENSING UNIT MOUNTING DETAIL
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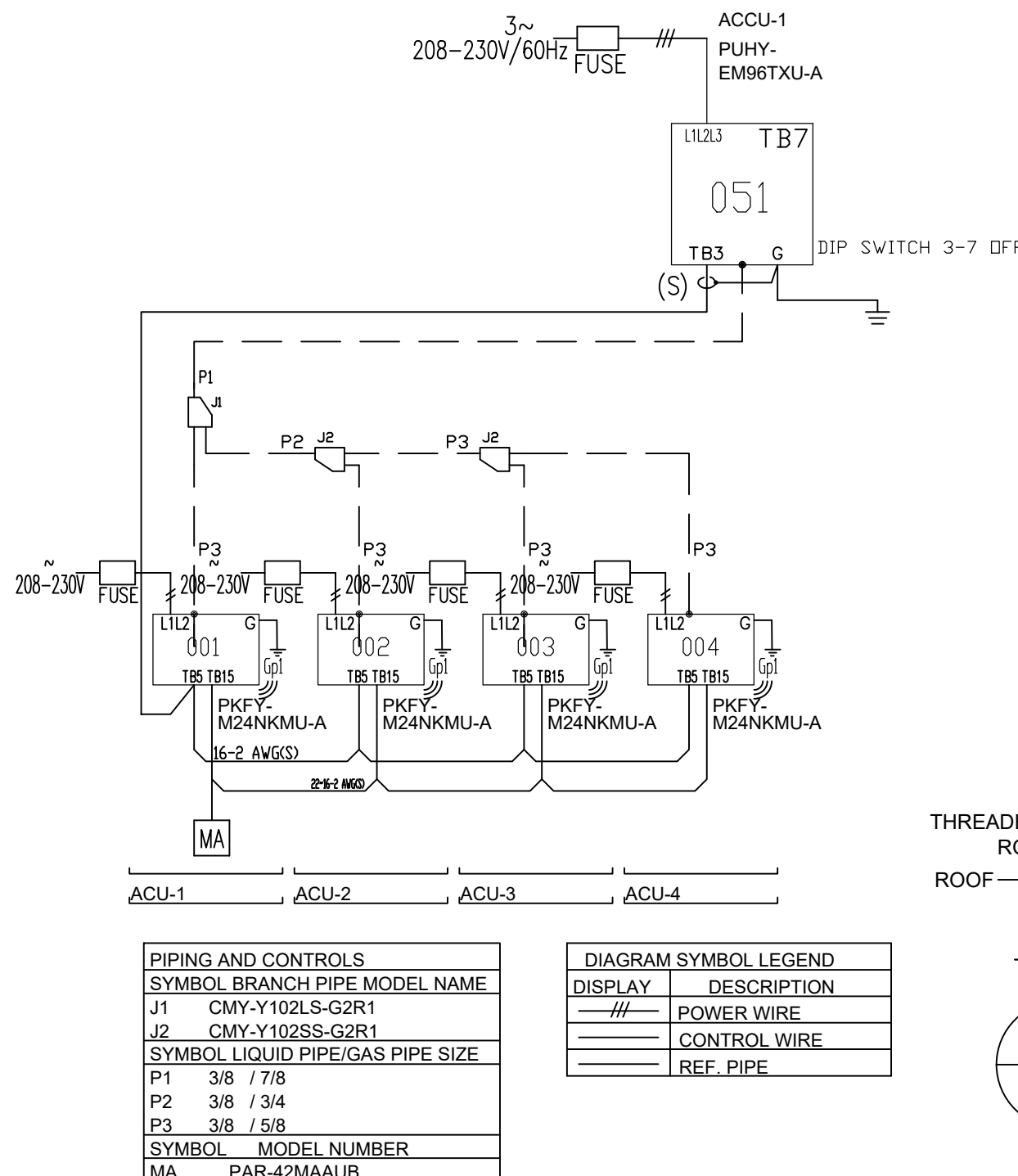


NOTES:
1. ALL STEEL HARDWARE SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.
2. LIGHT GAUGE CURB TO INCLUDE G90 GALV. COATING.
3. CONTRACTOR TO COORDINATE LOCATION OF POSTS WITH CERTIFIED EQUIPMENT SHOP FABRICATION DRAWINGS.

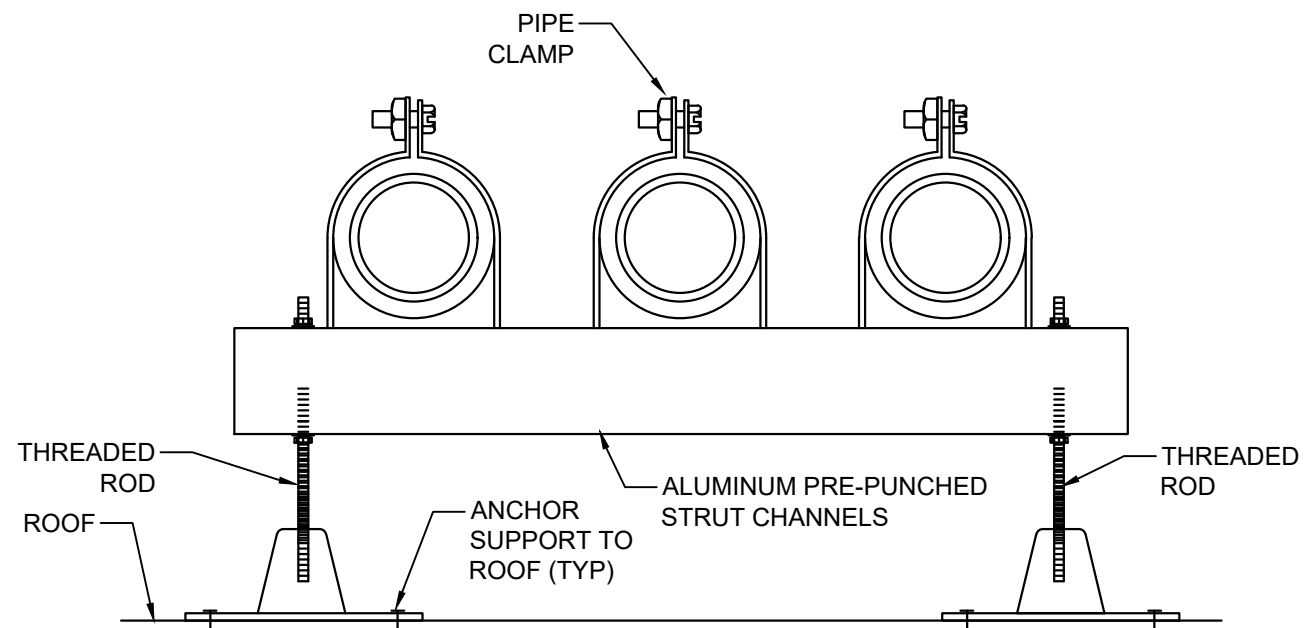
9 ROOF CURB CONNECTION SECTION
SCALE: NOT TO SCALE



10 GOOSENECK TERMINATION
SCALE: NOT TO SCALE



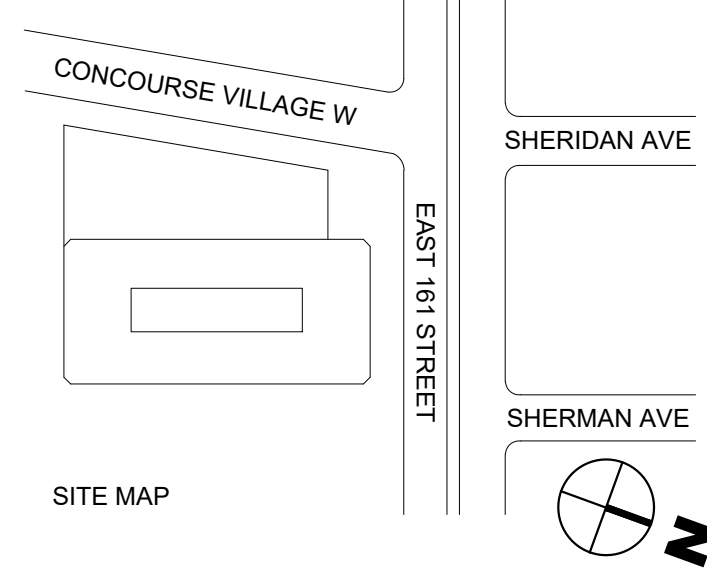
11 VRF PIPING AND POWER WIRE DIAGRAM
SCALE: NOT TO SCALE



12 PIPE SUPPORT ON ROOF DETAIL
SCALE: NOT TO SCALE

AIR CONDITIONING UNIT - HEAT PUMP SCHEDULE													
TAG	MANUFACTURER	MODEL	LOCATION	SERVICE	FAN		COOLING COIL		HEATING COIL		ELECTRIC		
					CFM	TOTAL MBH	POWER (KW)	TOTAL MBH	POWER (KW)	V.-PH.-CY.	FLA	MCA	MOCAP
ACU-1	DAIKIN	PKFY-M24NKMU-A	ELEVATOR MACHINE ROOM	ELEVATOR MACHINE ROOM	920	24000	0.08	27000.0	0.08	208V-1PH-60HZ	0.27	0.72	15
ACU-2	DAIKIN	PKFY-M24NKMU-A	ELEVATOR MACHINE ROOM	ELEVATOR MACHINE ROOM	920	24000	0.08	27000.0	0.08	208V-1PH-60HZ	0.27	0.72	15
ACU-3	DAIKIN	PKFY-M24NKMU-A	ELEVATOR MACHINE ROOM	ELEVATOR MACHINE ROOM	920	24000	0.08	27000.0	0.08	208V-1PH-60HZ	0.27	0.72	15
ACU-4	DAIKIN	PKFY-M24NKMU-A	ELEVATOR MACHINE ROOM	ELEVATOR MACHINE ROOM	920	24000	0.08	27000.0	0.08	208V-1PH-60HZ	0.27	0.72	15
NOTES:													
1. PROVIDE HARD WIRED THERMOSTAT/CONTROLLER.													
2. PROVIDE ELECTRICAL DISCONNECT.													
3. PROVIDE CONDENSATE PUMP IF PROPER PITCH CANNOT BE ESTABLISHED.													
4. PROVIDE GATEWAY CONTROLLER PROCON MELCOBEMS MINI (A1M), MODEL PAC-UKPRCOO1-CN-1, WITH BACNET COMPATIBILITY FOR ALL INDOOR UNITS.													

AIR COOLED CONDENSING UNIT - HEAT PUMP SCHEDULE													
EQUIP. NO.	MANUFACTURER	MODEL	LOCATION	SERVICE	NOMINAL CAPACITY (TONS)	EER	COP	REFRIGERANT	REFRIG. PIPING		ELECTRICAL		
									LIQUID	VAPOR	V.-PH.-CY.	MCA	MOCAP
ACCU-1	DAIKIN	PUHY-EM96TXU-A	ROOF	ELEVATOR MACHINE ROOM	8	14.4	4.32	R32	3/8	7/8	208V-3PH-60HZ	40	60
NOTES:													
1. CONDENSING UNIT SHALL BE PROPERLY SUPPORTED ON 18\"/>													
2. REFRIGERANT LINE SIZES NOTED IN SCHEDULE ARE FOR STANDARD CONDITIONS. EXACT SIZES & ROUTING OF THE REFRIGERANT LINES MUST BE VERIFIED DURING THE SHOP DRAWING.													
3. INSULATE ALL LINES.													
4. PROVIDE LOW AMBIENT KIT WITH BAFFLE.													
5. PROVIDE BASE PAN HEATER KIT.													
6. PROVIDE OUTSIDE LINE VOLTAGE SERVICE DISCONNECT SWITCH.													
7. PROVIDE MA REMOTE CONTROLLER, MODEL PAR-42MAU8.													



BID SET SUBMISSION	MS	TD	03.20.2026	1
Revision / Issue	Approved	Reviewed	Date	No.



Address: 1 Center Street, New York, NY 10007

Project: 198 E161 Street - Elevators Modernization
Address: 198 E161 Street, Bronx, NY 10451

Sponsor Agency:
Sponsor Address:

Architect
Liro Architects + Planners, P.C.
State Street, 28th Fl, New York, NY 10004

MEP Engineer



Drawing Title:

MECHANICAL DETAILS AND SCHEDULES

DOB APPLICATION NUMBER: X01304516-41

Seal:
Contract #: 20205400631
Project #: PW77198EV
Drawn by: INB
Checked by: TAD
Date: 10/17/2022

M-801.00



Energy Code:	2020 New York City Energy Conservation Code
Project Title:	198 E 161 Street - Elevators Modernization
Location:	New York, New York
Climate Zone:	4a
Project Type:	Alteration

Mechanical Systems List

1	ACCU-1 (Single Zone): Split System Heat Pump Heating Model: Capacity = 108 kBtu/h, Proposed Efficiency = 4.33 COP, Required Efficiency = 3.30 COP Cooling Model: Capacity = 96 kBtu/h, Proposed Efficiency = 14.4 EER, Required Efficiency: 11.00 EER + 12.2 EER Fan System: None
1	ACU-1 (Single Zone): Cooling: 1 each - VRF Zone Fan Unit, Capacity = 24 kBtu/h, Air Economizer No minimum efficiency requirement applies Fan System: None
1	ACU-2 (Single Zone): Cooling: 1 each - VRF Zone Fan Unit, Capacity = 24 kBtu/h, Air Economizer No minimum efficiency requirement applies Fan System: None
1	ACU-3 (Single Zone): Cooling: 1 each - VRF Zone Fan Unit, Capacity = 24 kBtu/h, Air Economizer No minimum efficiency requirement applies Fan System: None
1	ACU-4 (Single Zone): Cooling: 1 each - VRF Zone Fan Unit, Capacity = 24 kBtu/h, Air Economizer No minimum efficiency requirement applies Fan System: None

Compliance Statement: The proposed mechanical alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2020 New York City Energy Conservation Code requirements in COMcheck Version 4.1.5.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Project Title: 198 E 161 Street - Elevators Modernization Report date: 10/01/2024
 Data filename: C:\Work\JOBS\Elevator\COMcheck mechanical.cck Page 1 of 1

Section # & Req.ID	Plumbing Rough-in Inspection	Complies?	Comments/Assumptions
C404.7 [PL8]	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐ Complies ☒ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C404.7 [PL8]	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐ Complies ☒ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C404.7 [PL8]	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐ Complies ☒ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C404.7 [PL8]	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐ Complies ☒ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Project Title: 198 E 161 Street - Elevators Modernization Report date: 10/01/2020
Data filename: C:\Work\OBS\Elevator\COMcheck mechanical.cck Page 5 of 1



Requirements: 100.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req. ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PRC2]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical systems and equipment and document where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and handbooks.	☐ Complies ☒ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C405.5.2 [PR36]1	Electrical meters for tenant spaces in covered buildings. Each covered tenant space in a new building shall be equipped with a separate meter or sub-meter to measure the electrical consumption of such space when let or sublet. See section details and Section 28-311.2 of the Administrative Code. As new covered tenant spaces are created, they shall be equipped with meters or sub-meters as provided in this section	☐ Complies ☒ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C405.10 [PR38]	New parking garages and new parking lots powered by the energy services for a building, and with 10 or greater parking spaces, provide either: 1. Panel capacity and conduit for the future installation of minimum 208/240V 40-amp outlets for 5 percent of the total parking spaces and not less than two parking spaces; or 2. Minimum 208/240V 40-amp outlets for 5 percent of the total parking spaces and not less than two parking spaces.	☐ Complies ☒ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
---	----------------------	---	------------------------	---	---------------------

Project Title: 198 E 161 Street - Elevators Modernization Report date: 10/01/2017
Data filename: C:\Work\JOBS\Elevator\COMcheck mechanical.cck Page 2 of 13

Section # & Req. ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C402.2.6 [ME41] ²	Thermally insulating panel surfaces of sensible heating panels have insulation $\geq$ R-3.5.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C403.11.3 [ME61] ²	HVAC piping insulation insulated in accordance with Table C403.11.3. Insulation exposed to weather is protected from damage and is provided with shielding from solar radiation.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C403.11.3 [ME61] ²	HVAC piping insulation insulated in accordance with Table C403.11.3. Insulation exposed to weather is protected from damage and is provided with shielding from solar radiation.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C403.11.3 [ME61] ²	HVAC piping insulation insulated in accordance with Table C403.11.3. Insulation exposed to weather is protected from damage and is provided with shielding from solar radiation.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C402.11.3 [ME61] ²	HVAC piping insulation insulated in accordance with Table C403.11.3. Insulation exposed to weather is protected from damage and is provided with shielding from solar radiation.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C403.11.3 [ME61] ²	HVAC piping insulation insulated in accordance with Table C403.11.3. Insulation exposed to weather is protected from damage and is provided with shielding from solar radiation.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C403.8.1 [ME65] ²	HVAC fan systems at design conditions do not exceed allowable fan system motor nameplate hp or fan system bhp.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met. See the Mechanical Systems list for values.
C403.8.1 [ME65] ²	HVAC fan systems at design conditions do not exceed allowable fan system motor nameplate hp or fan system bhp.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met. See the Mechanical Systems list for values.
C403.8.1 [ME65] ²	HVAC fan systems at design conditions do not exceed allowable fan system motor nameplate hp or fan system bhp.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met. See the Mechanical Systems list for values.
C403.8.1 [ME65] ²	HVAC fan systems at design conditions do not exceed allowable fan system motor nameplate hp or fan system bhp.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met. See the Mechanical Systems list for values.
C403.8.1 [ME65] ²	HVAC fan systems at design conditions do not exceed allowable fan system motor nameplate hp or fan system bhp.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met. See the Mechanical Systems list for values.

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Project Title: 198 E 161 Street - Elevators Modernization	Report date: 10/01/2
Data filename: C:\Work\JOBS\Elevator\COMcheck mechanical.cck	Page 6 of 1

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Project Title: 198 E 161 Street - Elevators Modernization Report date: 10/01/2018
Data filename: C:\Work\JOBS\Elevator\COMcheck mechanical.cck Page 3 of 1

Section # & Req. ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.8.3 (ME117)?	Fans have efficiency grade (FEG) >= 67. The total efficiency of the fan at the design point of operation <= 15% of maximum total efficiency of the fan.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C403.8.3 (ME117)?	Fans have efficiency grade (FEG) >= 67. The total efficiency of the fan at the design point of operation <= 15% of maximum total efficiency of the fan.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C403.8.3 (ME117)?	Fans have efficiency grade (FEG) >= 67. The total efficiency of the fan at the design point of operation <= 15% of maximum total efficiency of the fan.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C403.8.3 (ME117)?	Fans have efficiency grade (FEG) >= 67. The total efficiency of the fan at the design point of operation <= 15% of maximum total efficiency of the fan.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C403.8.3 (ME117)?	Fans have efficiency grade (FEG) >= 67. The total efficiency of the fan at the design point of operation <= 15% of maximum total efficiency of the fan.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C403.12.1 (ME71)?	Systems that heat outside the building envelope are radiant heat systems controlled by an occupancy sensing device or timer switch.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C405.2.3 (ME55)?	HVAC equipment efficiency verified.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Mechanical Systems list for values.
C405.8.1.1 (ME36)?	New traction elevators with a rise of 75 feet or more have a power conversion system that complies as follows: C405.8.1.1.1 Induction motors with a Class IE2 efficiency ratings are used. C405.8.1.1.2 Transmissions do not reduce the efficiency of the combined motor/transmission below that shown for the Class IE2 motor for elevators with capacities below 4,000 lbs. C405.8.1.1.3 Potential energy released during motion recovered with a regenerative drive that supplies electrical energy to the building electrical system.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C405.9 (ME37)?	Commercial kitchen equipment shall comply with the minimum efficiency requirements of Tables C405.9(1) through Table C405.9(5).	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C403.3.2 (ME144)?	Vapor Compression Based Indoor Pool Dehumidifiers comply with the minimum efficiency requirements of Table C403.3.2(12).	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Project Title: 198 E 161 Street - Elevators Modernization Report date: 10/01/2
Data filename: C:\Work\OBS\Elevator\COMcheck mechanical.cck Page 7 of 1

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Project Title: 198 E 161 Street - Elevators Modernization Report date: 10/01/2019
Data filename: C:\Work\JOBS\Elevator\COMcheck mechanical.cck Page 4 of 1

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE
PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 NEW YORK CITY
ENERGY CONSERVATION CODE.

CONCOURSE VILLAGE W

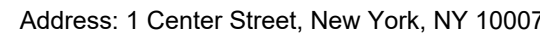
EAST 161ST STREET

SHERIDAN AVE

SHERMAN AVE

SITE MAP

BID SET SUBMISSION	MS	TD	03.20.2020
Revision / Issue	Approved	Reviewed	Date



Project: 198 E161 Street - Elevators Modernization
Address: 198 E161 Street, Bronx, NY 10451

Sponsor Agency:
Sponsor Address:

Architect

 **Liro Architects + Planners, P.C.**
State Street, 28th Fl, New York, NY 10004

MEP Engineer



Drawing Title:

MECHANICAL ENERGY COMPLIANCE
SHEET 1

This plan is 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.

DOB APPROVAL STAMP

DOB APPLICATION NUMBER: X01304616-I

Seal: Contract #: 20205400631

Project #: PW77198EV

Drawn by:	IN
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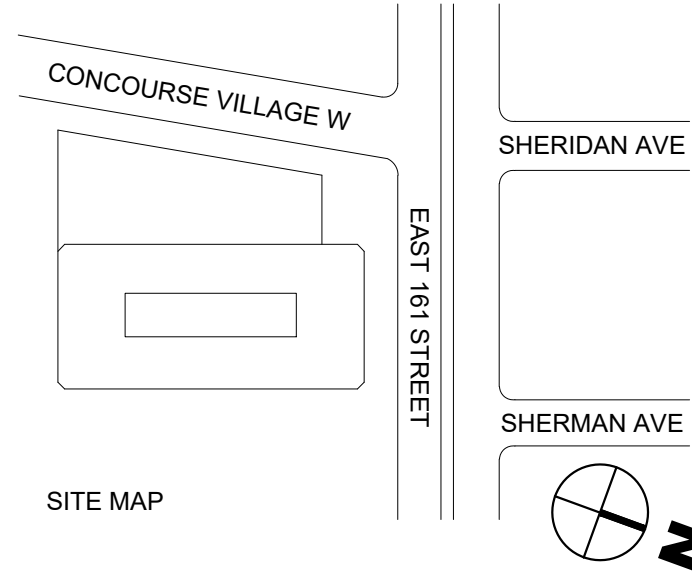
Checked by:	TA
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EN-001.00

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
Table 13, Table C403.3.2, 14 [ME145] ¹	Electrically operated DX-DQAS units, single-package and remote condenser, without energy recovery comply with minimum efficiency requirements of Table C403.3.2(13). Units with energy recovery comply with minimum efficiency requirements of Table C403.3.2(14).	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C403.2.2 [ME59] ¹	Natural or mechanical ventilation is provided in accordance with International Mechanical Code Chapter 4. Mechanical ventilation has capability to reduce outdoor air supply to minimum per IMC Chapter 4.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C403.7.1 [ME59] ¹	Demand control ventilation provided for spaces >500 ft2 and >25 people/1000 ft2 occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow >3,000 cfm.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C403.7.2 [ME115] ¹	Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C403.7.6 [ME141] ¹	HVAC systems serving guestrooms in Group R-1 buildings with > 50 guestrooms: Each guestroom is provided with controls that automatically manage temperature setpoint and ventilation (see sections C403.7.6.1 and C403.7.6.2).	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C403.7.4 [ME57] ¹	Exhaust air energy recovery on systems meeting Table C403.7.4(1) and C403.7.4(2).	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C403.7.5 [ME116] ¹	Kitchen exhaust systems comply with replacement air and conditioned supply air limitations, and satisfy hood rating requirements and maximum exhaust rate criteria.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C403.11.1 [ME60] ¹	HVAC ducts and plenums insulated in accordance with C403.11.1 and constructed in accordance with C403.11.2, verification may need to occur during Foundation Inspection.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)			
Project Title: 198 E 161 Street - Elevators Modernization Data filename: C:\Work\JOBS\Elevator\COMcheck mechanical.cck Report date: 10/01/21 Page 8 of 13			

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.4.3, 3.2 [ME121] ¹	Closed-circuit cooling tower within heat pump loop have either automatic bypass valve or lower leakage positive closure dampers. Open-circuit tower within heat pump loop have automatic valve to bypass all heat pump water flow around the tower. Open- or closed-circuit cooling towers used in conjunction with a separate heat exchanger have heat loss by shutting down the circulation pump on the cooling tower loop. Open- or closed circuit cooling towers have a separate heat exchanger to isolate the cooling tower from the heat pump loop, and heat loss is controlled by shutting down the circulation pump on the cooling tower loop.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C403.4.1, 4 [ME63] ¹	Heating for vestibules and air curtains with integral heating include automatic controls that shut off the heating system when outdoor air temperatures > 45°F. Vestibule heating and cooling systems controlled by a thermostat in the vestibule with heating setpoint ≤= 60°F and cooling setpoint ≥= 80°F.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C403.5, C403.5.1, C403.5.2 [ME123] ¹	Refrigerated display cases, walk-in coolers or walk-in freezers served by remote compressors and remote condensers not located in a condensing unit, have fan-powered condensers that comply with Sections C403.5.1 and refrigeration compressor systems that comply with C403.5.2.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
Additional Comments/Assumptions:			
1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)			
Project Title: 198 E 161 Street - Elevators Modernization Data filename: C:\Work\JOBS\Elevator\COMcheck mechanical.cck Report date: 10/01/21 Page 9 of 13			

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.6 [EL26] ¹	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C405.7 [EL27] ¹	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C405.8.2, C405.8.2, 1 [EL28] ¹	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C405.9 [EL29] ¹	Total voltage drop across the combination of feeders and branch circuits ≤= 5%.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
Additional Comments/Assumptions:			
1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)			
Project Title: 198 E 161 Street - Elevators Modernization Data filename: C:\Work\JOBS\Elevator\COMcheck mechanical.cck Report date: 10/01/21 Page 10 of 13			



Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C403.3, C408.2.5, 3 [F18] ¹	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C403.2.2 [F127] ¹	HVAC systems and equipment capacity does not exceed calculated loads.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C403.2.4, 1 [F147] ¹	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C403.2.4, 1 [F147] ¹	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C403.2.4, 1 [F147] ¹	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C403.2.4, 1 [F147] ¹	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C403.2.4, 1 [F147] ¹	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C403.2.4, 1.1 [F142] ¹	Heat pump controls prevent supplemental electric resistance heat from coming on when not needed.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C403.4.1, 2 [F138] ¹	Thermostatic controls have a 5 °F deadband.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C403.2.4, 1.3 [F120] ¹	Temperature controls have setpoint overlap restrictions.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C403.2.4, 2 [F139] ¹	Each zone equipped with setback controls using automatic time clock or programmable control system.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)			
Project Title: 198 E 161 Street - Elevators Modernization Data filename: C:\Work\JOBS\Elevator\COMcheck mechanical.cck Report date: 10/01/21 Page 11 of 13			

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C403.2.4, 2.1, C403.2.4, 2.2 [F140] ¹	Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-hour occupant override, 10-hour backup	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C408.1.1 [F157] ¹	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
Additional Comments/Assumptions:			
1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)			
Project Title: 198 E 161 Street - Elevators Modernization Data filename: C:\Work\JOBS\Elevator\COMcheck mechanical.cck Report date: 10/01/21 Page 12 of 13			

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C403.2.4, 2.1, C403.2.4, 2.2 [F140] ¹	Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-hour occupant override, 10-hour backup	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C408.1.1 [F157] ¹	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
Additional Comments/Assumptions:			
1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)			
Project Title: 198 E 161 Street - Elevators Modernization Data filename: C:\Work\JOBS\Elevator\COMcheck mechanical.cck Report date: 10/01/21 Page 13 of 13			

BID SET SUBMISSION	MS	TD	03.20.2026	1
Revision / Issue	Approved	Reviewed	Date	No.



Address: 1 Center Street, New York, NY 10007

Project: 198 E161 Street - Elevators Modernization
Address: 198 E161 Street, Bronx, NY 10451

Sponsor Agency:
Sponsor Address:

Architect
 Liro Architects + Planners, P.C.
State Street, 28th Fl, New York, NY 10004

MEP Engineer
 LiRo Engineers, Inc.
A LiRo Group Company
Syosset, N.Y. 516-214-8157[T]

Drawing Title:
MECHANICAL ENERGY COMPLIANCE SHEET 2

DOB APPLICATION NUMBER: X01304516-41

Seal:
Contract #: 20205400631
Project #: PW77198EV
Drawn by: INB
Checked by: TAD
Date: 10/17/2022

EN-002.00

This plan is 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.

PLUMBING SYMBOL LIST	
IDENTIFIER	DESCRIPTION
	NEW SANITARY PIPING (ABOVE SLAB)
	NEW SANITARY PIPING (UNDER SLAB)
	NEW SANITARY VENT PIPING
	FIELD CONNECT
	FIELD DISCONNECT
	REFER TO SUPPLEMENTAL FIGURE INDICATED BY NUMBER (I.E. F2 REFERS TO FIGURE 2)
	EQUIPMENT TAG EQUIPMENT NUMBER
	DETAIL TAG/CALL OUT TAG PLUMBING SHEET NUMBER

PIPING ELEMENTS/VALVING

BALL VALVE CAP ON END OF PIPE CLEANOUT GATE VALVE	PIPE DROPPING DOWN PIPE RISING UP SWING CHECK VALVE TEE OUTLET DOWN TEE OUTLET UP
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SCOPE OF WORK

PLUMBING SCOPE OF WORK INCLUDES, BUT IS NOT LIMITED TO:

1. THE DEMOLITION OF EXISTING ELEVATOR PIT SUMP PUMP AND ACCESSORIES.
2. THE INSTALLATION OF A NEW ELEVATOR PIT SUMP PUMP AND ASSOCIATED PIPING AND ACCESSORIES. EXISTING SUMP PIT MODIFICATIONS AS REQUIRED TO ACCOMMODATE NEW SUMP PUMP AND NEW FIBERGLASS BASIN.

NOTE: THIS SCOPE OF WORK DESCRIPTION IS PROVIDED TO GIVE AN OVERALL "MACRO" DESCRIPTION OF THIS PROJECT. P.C. IS RESPONSIBLE TO REVIEW ALL ENGINEERING & ARCHITECTURAL DRAWINGS & VISIT THE SITE IF NEEDED, PRIOR TO SUBMISSION OF BID.

CODE REFERENCE		
2022 NYC MECHANICAL CODE	2022 NYC BUILDING CODE	2020 NYC ENERGY CONSERVATION
2022 NYC PLUMBING CODE	2022 NYC FUEL GAS CODE	CODE

DOB DISCLAIMER NOTE:

*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.

NYCECC COMPLIANCE TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 NEW YORK CITY ENERGY CONSERVATION CODE.

SECTION 704

DRAINAGE PIPING INSTALLATION

704.1 SLOPE OF HORIZONTAL DRAINAGE PIPING.

HORIZONTAL DRAINAGE PIPING SHALL BE INSTALLED IN UNIFORM ALIGNMENT AT UNIFORM SLOPES. THE MINIMUM SLOPE OF HORIZONTAL DRAINAGE PIPE SHALL BE IN ACCORDANCE WITH TABLE 704.1.

TABLE 704.1
SLOPE OF HORIZONTAL DRAINAGE PIPE

SIZE (INCHES)	MINIMUM SLOPE (INCH PER FOOT)
2 1/2 OR LESS	1/4
3 TO 6	1/8
8 OR LARGER	1/16

PLUMBING DRAWING LIST	
SHEET NO.	SHEET NAME
P-001.00	PLUMBING NOTES, SYMBOLS, LEGENDS, AND DRAWING LIST
P-101.00	PLUMBING CELLAR DEMOLITION AND CONSTRUCTION PLANS

PLUMBING GENERAL NOTES:

1. ALL PLUMBING WORK UNDER THIS CONTRACT SHALL CONFORM TO THE LATEST EDITION OF THE PLUMBING CODE OF NEW YORK CITY (PC-NYC), THE NEW YORK CITY ENERGY CODE, AND THE REQUIREMENTS OF THE UTILITY AND THE LOCAL WATER COMPANY.
2. ALL MATERIALS SHALL BE NEW UNLESS NOTED OTHERWISE.
3. THE PLUMBING CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ALL LABOR AND MATERIALS SUPPLIED AND INSTALLED UNDER THIS CONTRACT AND SHALL GUARANTEE THE WORK PERFORMED UNDER THIS CONTRACT FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE OF THIS WORK.
4. PLUMBING CONTRACTOR SHALL CONSULT WITH, COOPERATE AND COORDINATE WITH THE MECHANICAL CONTRACTOR, MECHANICAL CONTRACTOR, SPRINKLER CONTRACTOR, ELECTRICAL CONTRACTOR, ETC. IN ORDER TO MINIMIZE INTERFERENCES BETWEEN TRADES DURING PERFORMANCE OF THIS WORK.
5. THE PLUMBING CONTRACTOR SHALL PREPARE AND FILE ALL REQUIRED PLANS AND PERMITS WITH THE REQUIRED CITY AGENCIES. PC SHALL PAY THE FILING FEES AS REQUIRED. PC SHALL OBTAIN ALL APPROVALS AND SHALL PAY FOR ALL WORK PERMITS, INSPECTIONS AND SIGN-OFFS AS REQUIRED TO EXECUTE THIS WORK IN A MANNER IN CONFORMANCE WITH THE CODES AND AUTHORITIES HAVING JURISDICTION.
6. THE PLUMBING CONTRACTOR SHALL PERFORM ALL TESTS AND ARRANGE FOR ALL INSPECTIONS FOR WORK UNDER HIS CONTRACT AS REQUIRED BY LAW AND SHALL SUPPLY ALL CERTIFICATES OF INSURANCE AS REQUIRED BY THE LAW AND THE OWNER. REFER TO THE INSPECTIONS SECTION OF THE PC-NYC.
7. THE PLUMBING CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO ALL PLUMBING EQUIPMENT REGARDLESS WHETHER ILLUSTRATED HEREIN WITHOUT ANY ADDITIONAL COSTS TO THE OWNER.
8. PLUMBING CONTRACTOR SHALL VISIT THE SITE & BECOME FAMILIAR WITH THE EXISTING CONDITIONS, INCLUDING THE SIZE OF CONNECTIONS, ROUGHING DIMENSIONS, ETC. BEFORE SUBMITTING A QUOTATION FOR THE WORK.
9. PLUMBING CONTRACTOR SHALL PERFORM ALL CUTTING, EXCAVATION, BACKFILLING, ROUGH & FINISH PATCHING AS PER THE SPECIFICATIONS AS REQUIRED FOR THE INSTALLATION OF THE WORK, UNLESS NOTED OTHERWISE.
10. ALL CONNECTIONS TO NEW AND/OR EXISTING EQUIPMENT SHALL BE SIZED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
11. IT IS THE INTENT OF THIS CONTRACT THAT THE COMPLETED WORK BE FULLY OPERATIONAL.
12. ALL PIPE HANGERS AND SUPPORTS SHALL BE INSTALLED AT INTERVALS AND BE FABRICATED OF MATERIALS AS REQUIRED BY THE PC-NYC.
13. PLUMBING CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL NEW EQUIPMENT TO BE SUPPLIED AND INSTALLED UNDER THIS CONTRACT FOR APPROVAL BEFORE INSTALLATION OF SAME.
14. WATERPROOF PIPE SLEEVES SHALL BE INSTALLED AT ALL PENETRATIONS THROUGH EXTERIOR WALLS. PIPE SLEEVES SHALL BE INSTALLED AT ALL WALL PENETRATIONS THROUGH INTERIOR WALLS AND FLOORS.
15. ALL PIPING SHALL BE TESTED AT A MINIMUM PRESSURE OF 1-1/2 TIMES THE MAXIMUM OPERATING PRESSURE UNLESS OTHERWISE NOTED ON THE DOCUMENTS OR THE PLUMBING CODE AND IN ACCORDANCE WITH THE UTILITY AND CITY REQUIREMENTS FOR GAS PIPING SYSTEMS.
16. ALL REMOVALS PERFORMED UNDER THIS CONTRACT SHALL INCLUDE REMOVAL OF ALL DEBRIS AND DISPOSAL AT AN APPROPRIATE SITE.
17. ALL WORK TO BE COORDINATED WITH OTHER TRADES.
18. ALL PIPING PENETRATIONS TO BE SEALED AROUND WITH "NELSON" FIRE SEAL OR APPROVED EQUAL.
19. ALL WATER SERVICE PIPING WITHIN THE BUILDING IS TO BE INSULATED IN ACCORDANCE WITH ALL NEW YORK CITY PLUMBING CODE (NYC-PC) AND NYC ENERGY CODES.
20. ALL PIPE DIMENSIONS ARE INSIDE CLEAR.
21. BUILDING SANITARY DEMAND & SIZING IS CALCULATED FROM NYC-PC SECTIONS 709 AND 710.
22. ALL SANITARY AND STORM WATER PIPING SHALL BE PITCHED IN ACCORDANCE WITH NYC-PC SECTION 704 BASED ON TABLE 704.1 SLOPE OF HORIZONTAL DRAINAGE PIPE.
23. ALL PLUMBING EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS/SPECIFICATIONS.
24. ALL PLUMBING EQUIPMENT SHALL BE MOUNTED ON MINIMUM 6" HIGH CONCRETE PAD UNLESS OTHERWISE NOTED (PAVER AND CINDER BLOCK IS NOT ACCEPTABLE).

ABBREVIATIONS:	
DPCO	DECK PLATE CLEAN OUT
FC	FLOOR CONNECTION
FD	FLOOR DRAIN
FFD	FUNNEL FLOOR DRAIN
FU	FIXTURE UNIT
HW	HOT WATER
HWR	HOT WATER RETURN
IAW	IN ACCORDANCE WITH
IWFD	INDIRECT WASTE FUNNEL DRAIN
LAV	LAVATORY
JS	JANITOR'S SINK
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NYS-PC	NEW YORK STATE PLUMBING CODE
RD	ROOF DRAIN
S	SANITARY
SD	STORM DRAIN
TMV	THERMOSTATIC MIXING VALVE
U.O.N.	UNLESS OTHERWISE NOTED
UR	URINAL
V	VENT
WC	WATER CLOSET
PC	PLUMBING CONTRACTOR
PD	PUMPED DISCHARGE
MC	MECHANICAL CONTRACTOR
TYP.	TYPICAL
VIF	VERIFY IN FIELD
WCO	WALL CLEAN OUT
WFU	WATER FIXTURE UNITS
THE ABBREVIATIONS ARE SHOWN FOR GENERAL REFERENCE ONLY. THE PRESENCE OF AN ABBREVIATION ON THIS LIST DOES NOT IMPLY ITS USE ON THIS PROJECT. REFER TO DRAWINGS FOR SPECIFIC ABBREVIATIONS USED.	

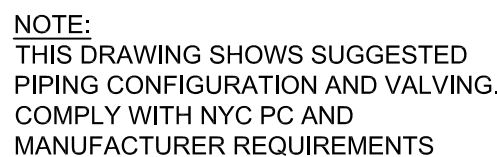
BUILDING DEPARTMENT PLUMBING NOTES:

1. THE PLUMBING SYSTEMS (SANITARY, WASTE, VENT, WATER DISTRIBUTION, GAS ETC), AND ALL ASSOCIATED EQUIPMENT SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE FULL REQUIREMENTS OF THE 2022 NEW YORK CITY BUILDING, PLUMBING AND GAS CODES AND CURRENT REVISIONS.
2. ALL PLUMBING WORK SHALL BE DONE BY OR UNDER THE DIRECT SUPERVISION OF A LICENSED NYC MASTER PLUMBER AS PER SECTION 28-408 OF THE NYC ADMINISTRATION CODE.
3. ALL PLUMBING WORK SHALL COMPLY WITH CHAPTER 4 OF THE 2022 NEW YORK CITY BUILDING CODE AND CHAPTERS 1 THROUGH 13 AND APPENDICES A THROUGH G OF THE NEW YORK CITY PLUMBING CODE.
4. THE MATERIALS USED IN THE PLUMBING SYSTEMS WILL BE PROVIDED IN FULL ACCORDANCE WITH SECTION PC 303
5. VERTICAL AND HORIZONTAL PIPING WILL BE HUNG AND SUPPORTED AS DIRECTED IN SPECIFICATIONS AND WITH THE FULL COMPLIANCE WITH SECTION PC 308.
6. THE WATER SUPPLY SHALL BE INSTALLED AND MAINTAINED IN FULL COMPLIANCE WITH PC 601 THROUGH PC 613.
7. VALVES SHALL BE PROVIDED AS PER DOMESTIC WATER PC 606.
8. HOT WATER SUPPLY SYSTEM AND ALL RELATED APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH PC 607.
9. FUEL GAS SYSTEMS PIPING AND RELATED APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH FGC 401 THROUGH FGC 415 AND IN ACCORDANCE WITH NFPA#54 2006.
10. SPECIAL PROVISIONS APPLY TO GAS PIPING AT PRESSURES OVER 1/2 PSIG, INCLUDING WELDING OF PIPE 4" OR LARGER, PIPE MARKINGS AND INSPECTIONS. ADDITIONAL REQUIREMENTS APPLY AT PRESSURES ABOVE 3 PSIG.
11. TESTING AND PURGING OF GAS PIPING PRIOR TO OPERATIONS SHALL CONFORM TO FGC 406.
12. GAS PIPING INSTALLATION, MATERIAL AND SIZES SHALL ADHERE TO SECTION FGC 401 THROUGH PC 404.
13. PIPING JOINTS FOR GAS DISTRIBUTION PIPING SHALL BE DONE PER AUTHORITY'S SPECIFICATION # 231123. ALL WELDS ON GAS PIPING SHALL BE INSPECTED AND SUBJECT TO X-RAY ANALYSIS IN ACCORDANCE WITH NEW YORK CITY CODE SECTION 197 AND APPLICABLE LOCAL LAWS AND DIRECTIVES.
14. CONTRACTOR SHALL CHECK AND VERIFY THE EXACT LOCATION OF ALL PIPE PENETRATIONS AND MAKE CERTAIN THERE ARE NO OBSTRUCTIONS AND INTERFERENCES.
15. CONTRACTOR SHALL REFER TO AND COORDINATE WITH STRUCTURAL DRAWINGS, INCLUDING WORK FOR ALL CONCRETE PADS AND OTHER RELEVANT DETAILS.
16. CONTRACTOR SHALL FURNISH AND MOUNT ALL MOTORS, STARTERS, AND CONTROL DEVICES FOR ALL EQUIPMENT SUPPLIED AS PART OF THIS CONTRACT.
17. CONTRACTOR SHALL REFER TO AND COORDINATE WITH ELECTRICAL DRAWINGS AND WORK ENSURING NO PIPE IS RUN DIRECTLY ABOVE NOR WITHIN THREE FEET OF ELECTRICAL PANELS.
18. ALL PIPES PENETRATING FIRE RATED WALLS SHALL BE PROVIDED WITH REQUIRED SLEEVES, SEALS AND PACKING TO PROVIDE EQUAL RATING AS PENETRATED WALLS.
19. REFER TO STRUCTURAL DRAWINGS FOR DETAIL OF NEW PLATFORM / EQUIPMENT SUPPORTS.
20. PLUMBING SYSTEM SHALL BE DESIGNED FOR SEISMIC REQUIREMENTS FOR NYC.
21. THE HOT WATER DISTRIBUTION AND THE RETURN CIRCULATING SYSTEM SHALL BE INSTALLED AND COMPLY AS PER PC 501 THROUGH PC 505.

SHOP DWGS & EQUIPMENT SUBMITTALS:

1. THE CONTRACTOR MUST SUBMIT ANY EQUIPMENT ALTERNATES 2 WEEKS PRIOR TO BIDS DUE FOR REVIEW AND COMMENTS. ALTERNATES MUST BE ACCEPTED BY LIRO OPERATIONS, INC., THE ARCHITECT, AND THE OWNER PRIOR TO INCLUSION IN BID. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE EQUIPMENT ALTERNATES WITH OTHER TRADES AND MAKE ADJUSTMENTS TO THE MECHANICAL SYSTEMS, AS REQUIRED, TO ACCOMMODATE THESE NEW ALTERNATES.
2. CHANGES WHICH DEEM TO AFFECT THE DESIGN SHALL BE SUBMITTED WITH A NYS P.E. APPROVED DRAWING AT THE CONTRACTOR'S EXPENSE AND SHALL BE REVIEWED BY ENGINEER.
3. THE CONTRACTOR IS RESPONSIBLE TO SUBMIT ALL OF THE FOLLOWING ITEMS FOR REVIEW/APPROVAL BY NO MORE THAN 3 WEEKS AFTER THE CONTRACTOR'S CONTRACT/BID HAS BEEN AWARDED. ALL SUBMITTALS MUST BE SENT TOGETHER AS A SINGLE PACKAGE WITH MANUFACTURER'S SPECIFIC MODELS AND SPECIFICATIONS OUTLINED TO MATCH THE SCHEDULED REQUIREMENTS. EACH SUBMITTAL MUST BE LABELED WITH THE UNIT DESIGNATION USED WITHIN THIS DRAWING SET. IF THE SUBMITTAL PACKAGE IS FOUND TO BE INCOMPLETE UPON RECEIPT, THE PACKAGE WILL BE HELD AND WILL NOT BE REVIEWED UNTIL THE REMAINDER OF THE PACKAGE IS RECEIVED. ALL SHOP DRAWINGS AND SUBMITTALS SHALL BE SUBMITTED ELECTRONICALLY TO THE ENGINEER FOR REVIEW. THE CONTRACTOR SHALL NOT PROCEED WITH THE INSTALLATION OF EQUIPMENT UNTIL WRITTEN ACCEPTANCE IS OBTAINED FROM THE ENGINEER.
 - CONTRACTOR IS RESPONSIBLE TO DEVELOP & SUBMIT TO THE ENGINEER FOR REVIEW & APPROVAL THE FOLLOWING SHOP DWGS:
 - A. ALL VALVES.
 - B. ALL PIPING, FITTINGS, & SUPPORT MATERIALS.
 - C. PUMPS AND ASSOCIATED BASIN

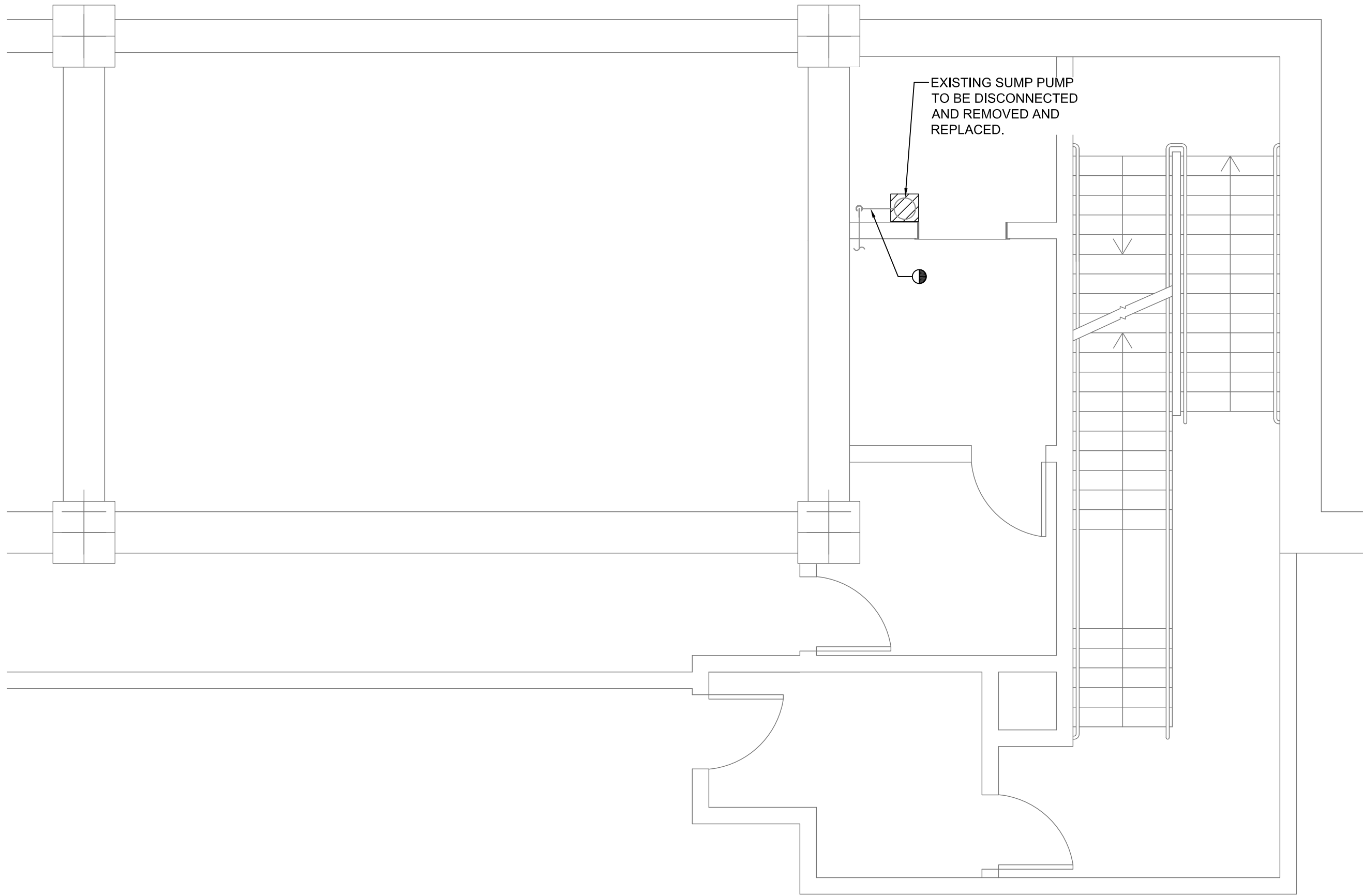
NOTE: REFER TO SPECIFICATIONS FOR FURTHER SHOP DRAWING REQUIREMENTS. IF CONFLICTS ARISE, CONTACT DESIGN ENGINEER BEFORE FABRICATION.



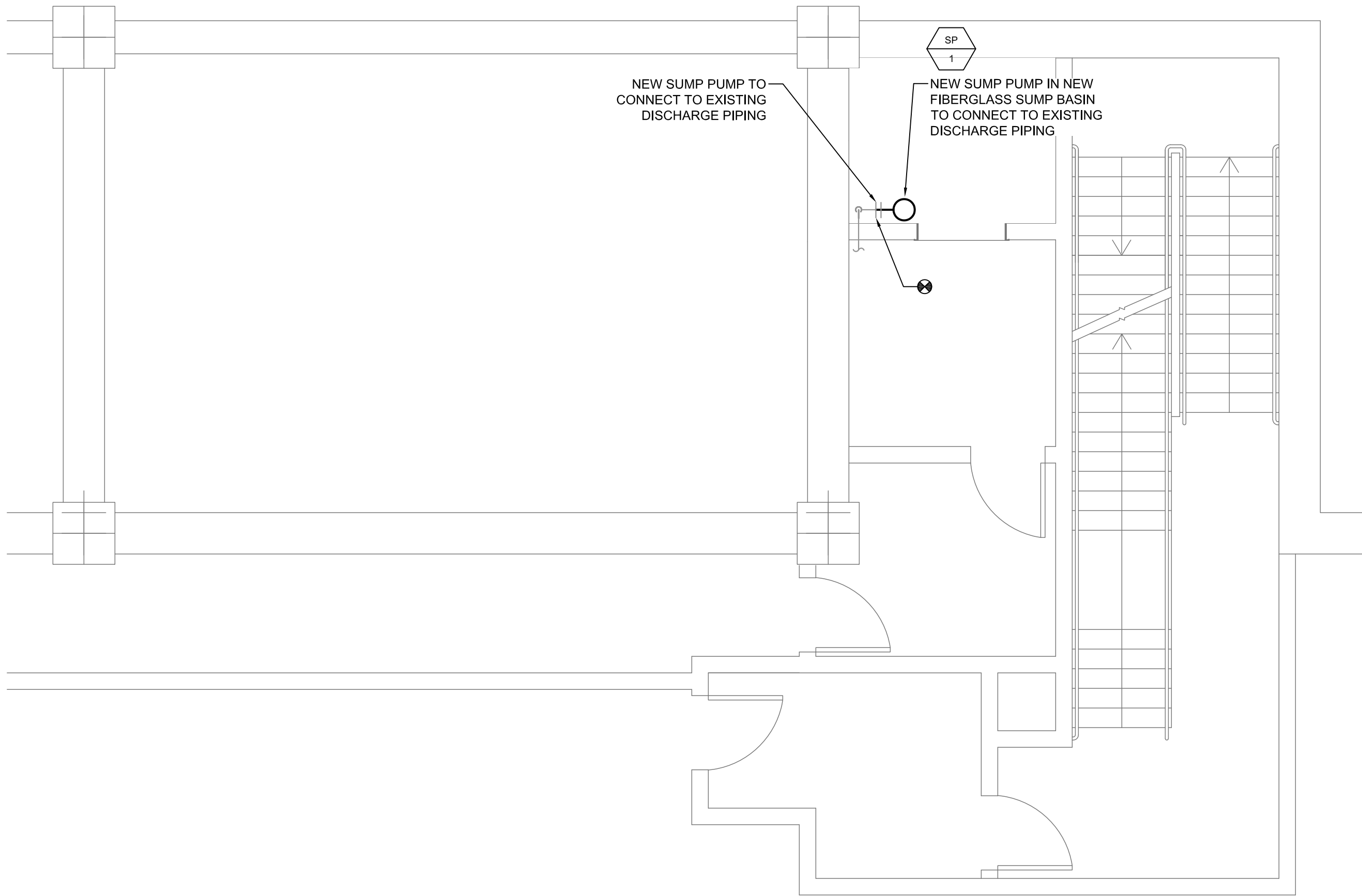
1 **PARTIAL SANITARY RISER DIAGRAM** P-001.00 SCALE: NOT TO SCALE

DOB APPROVAL STAMP	DOB APPLICATION NUMBER: X01304607-11						
	<table border="1"> <tr> <td rowspan="5">Seal:</td> <td>Contract #: 20205400631</td> </tr> <tr> <td>Project #: PW77198EV</td> </tr> <tr> <td>Drawn by: AD</td> </tr> <tr> <td>Checked by: DL</td> </tr> <tr> <td>Date: 10/17/2022</td> </tr> </table>	Seal:	Contract #: 20205400631	Project #: PW77198EV	Drawn by: AD	Checked by: DL	Date: 10/17/2022
	Seal:		Contract #: 20205400631				
			Project #: PW77198EV				
			Drawn by: AD				
			Checked by: DL				
Date: 10/17/2022							

P-001.00

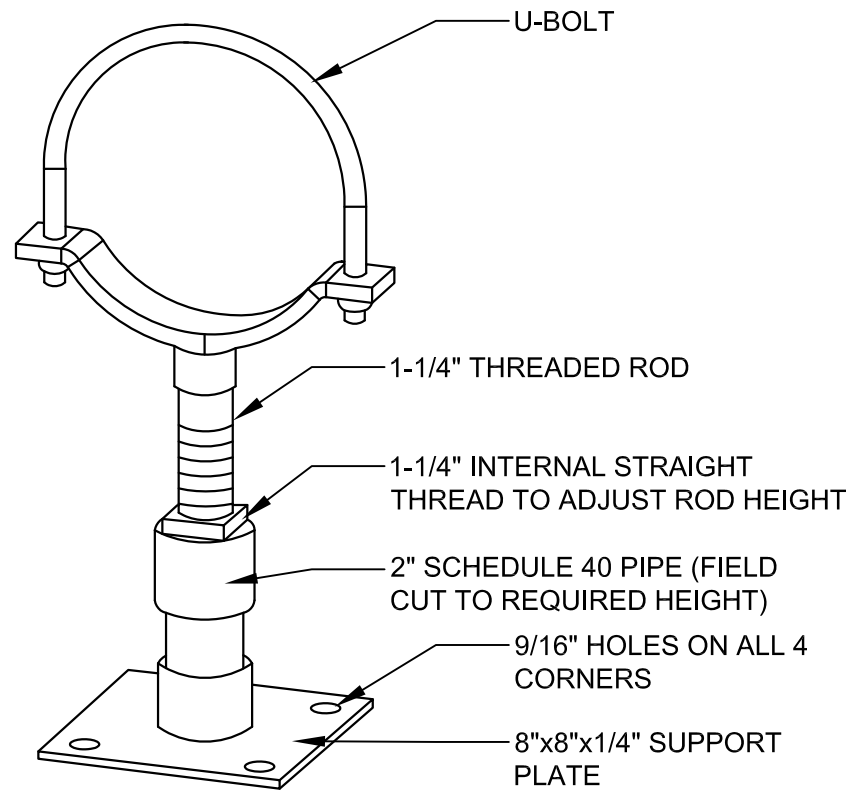


PLUMBING SUB-CELLAR A DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



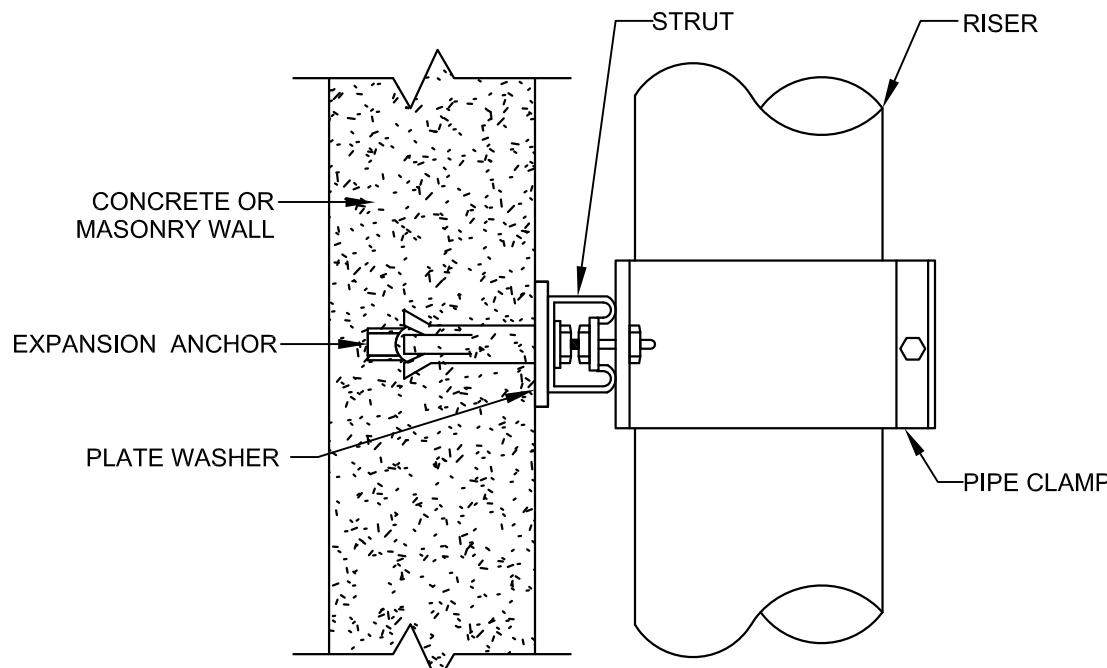
PLUMBING SUB-CELLAR A CONSTRUCTION PLAN
SCALE: 1/4" = 1'-0"

SUMP PUMP SYSTEMS											
MARK	QUANTITY	MANUFACTURER	MODEL	LOCATION	GPM	TDH	DISCHARGE (INCH)	MOTOR DATA			OPTIONS / ACCESSORIES
								RPM	HP	V/PH.HZ	
SP-1	1	STANCOR OIL MINDER	SE-100	ELEVATOR PIT	50	32	2	3600	1.0	115/1/60	NOTES 1,2,3
NOTES:											
1. MODEL NUMBER INDICATED IS FOR COMPLETE PUMP SYSTEM.											
2. PROVIDE FACTORY FLOAT SWITCH AND CONTROLS. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION.											
3. PROVIDE FACTORY REMOTE CONTROL PANEL AND INSTALL OUT OF PIT.											



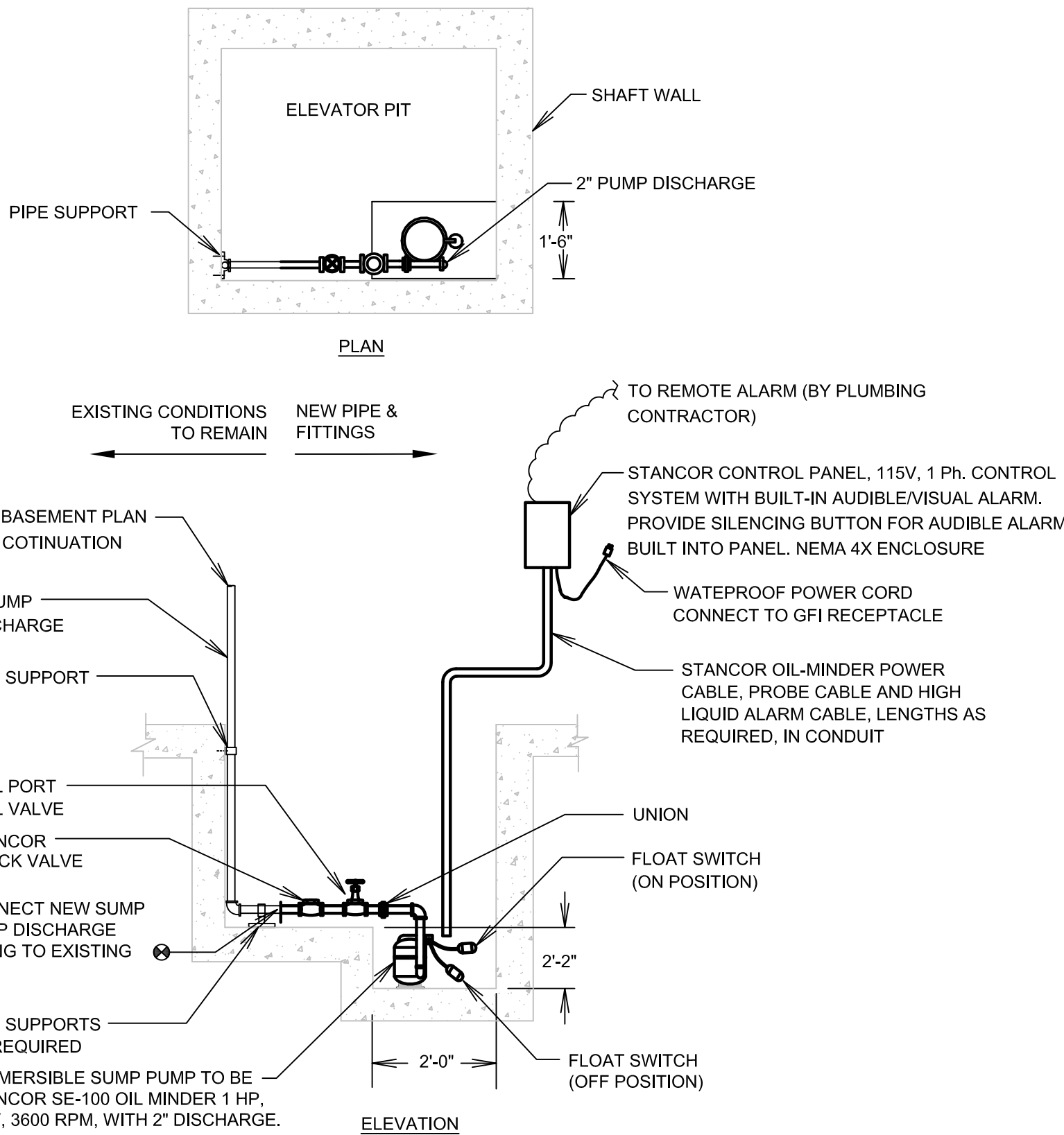
- NOTES:
1. PROVIDE STAINLESS STEEL SUPPORT FOR WET/DAMP ENVIRONMENTS. PROVIDE HOT-DIP GALVANIZED SUPPORT FOR ALL OTHER AREAS.
 2. PIPE SUPPORT TO COMPLY WITH MSS SP-58 (TYPE #37)

1 ADJUSTABLE PIPE SADDLE SUPPORT
P-101.00 SCALE: NOT TO SCALE



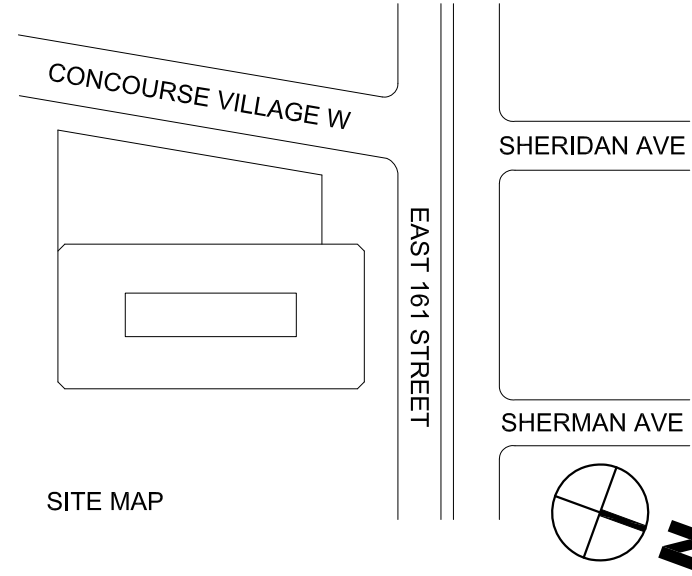
- NOTES:
1. PROVIDE PIPE SUPPORTS EVERY SIX FEET MINIMUM.

2 VERTICAL PIPE SUPPORT
P-101.00 SCALE: NOT TO SCALE



- NOTE:
- SUMP PUMP TO BE STANCOR "OIL MINDER" SE-100 1 BHP, 115/1/60, 12 FLA, 60 LRA, 3450 RPM, 40 LBS, 2" FEMALE CONNECTION NEMA 4X WEATHERTIGHT CORROSION RESISTANT POLYCARBONATE ENCLOSURE, STAINLESS STEEL SENSOR PROBE, ALARMS, LIGHTS, SILENCE SWITCH MONITORING CIRCUIT FOR OIL, HIGH LIQUID AND HIGH AMPERAGE CONDITIONS, COMPLIANT WITH ASME 17.1, 12" O.A. WIDTH, 24" O.A. DEPTH, 40 LBS. COORDINATE REMOTE ALARM PANEL WITH OWNER, 50 GPM AT 32 FT HD.
- BASIN TO BE MINIMUM 24" DIAMETER X 26" DEEP FIBERGLASS SUMP WITH COVER WITH PENETRATIONS FOR POWER CORD AND 2" DISCHARGE PIPE. CONTRACTOR TO ENLARGE EXISTING PIT AND FILL VOID WITH CONCRETE.

3 SUMP PUMP DETAIL
P-101.00 SCALE: NOT TO SCALE



BID SET SUBMISSION	MS	TD	03.20.2026	1
Revision / Issue	Approved	Reviewed	Date	No.

Address: 1 Center Street, New York, NY 10007

Project: 198 E161 Street - Elevators Modernization
Address: 198 E161 Street, Bronx, NY 10451

Sponsor Agency:
Sponsor Address:

Architect
Liro Architects + Planners, P.C.
State Street, 28th Fl, New York, NY 10004

MEP Engineer

LiRo Engineers, Inc.
A LiRo Group Company
Syosset, N.Y. 516-214-8157[T]

Drawing Title:
PLUMBING CELLAR DEMOLITION & CONSTRUCTION PLANS

This plan is 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.

DOB APPROVAL STAMP	DOB APPLICATION NUMBER:	X01304607-11
Seal:	Contract #:	20205400631
	Project #:	PW77198EV
	Drawn by:	AD
	Checked by:	DL
	Date:	10/17/2022

P-101.00

ELECTRICAL GENERAL NOTES

1. ALL ELECTRICAL WORK SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE 2011 EDITION OF THE NATIONAL ELECTRICAL CODE (N.E.C.), 2014 N.Y.C. BUILDING CODES AND ALL LOCAL AND MUNICIPAL CODES HAVING JURISDICTION.
2. CONTRACTOR TO VISIT SITE, BECOME FAMILIAR WITH EXISTING CONDITIONS AND INCLUDE ALL NECESSARY COSTS TO COMPLETE THE INSTALLATION.
3. CONTRACTOR TO FURNISH AND PAY FOR ALL PERMITS AS REQUIRED AND OBTAIN FINAL CERTIFICATE OF INSPECTION.
4. CATALOG NUMBERS ARE MEANT TO INDICATE TYPE DESIRED AND MAY BE SUBSTITUTED WITH AN APPROVED EQUAL DEVICE. "APPROVED EQUAL" MUST BE SUBMITTED TO THE ENGINEER FOR WRITTEN APPROVAL PRIOR TO INSTALLATION IN THE FIELD.
5. WORK MUST BE COORDINATED WITH ALL OTHER TRADES TO ELIMINATE CONFLICTS AND INTERFERENCES.
6. CONTRACTOR MUST PROVIDE PROPER "FIRE STOPPING" AT ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES. SUBMIT EXACT MATERIALS AND METHODS TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. NO EXCEPTIONS TAKEN.
7. ALL FUSES SHALL BE CURRENT LIMITING CLASS RK1.
8. CONDUIT AND WIRE ON POWER PLANS IS NOT SHOWN EXCEPT FOR HOMERUNS. CONTRACTOR SHALL PROVIDE ALL NECESSARY CONDUIT, BOXES, PULL BOXES, WIRING, SWITCHES AND ACCESSORIES TO INTERCONNECT THE ELECTRICAL SYSTEM FOR CIRCUITING AND HOMERUNS INDICATED SYMBOLICALLY ON THE DRAWINGS. SEE LEGEND-HOMERUNS DESIGNATION FOR SYMBOLOLOGY APPLICABLE TO ALL SYMBOLS SHOWN.
9. U.O.N. ON PLANS AND SECTIONS: ALL HEAVY LINES ARE NEW EQUIPMENT CONDUIT, WIRING, ETC. ALL LIGHT LINES ARE EQUIPMENT, CONDUIT, WIRING, ETC. BY OTHERS.
10. CONTRACTOR MUST INCLUDE IN PRICE THE COST OF ALL MATERIAL AND LABOR FOR TEMPORARY POWER AND LIGHTING FOR ALL TRADES DURING DEMOLITION (IF APPLICABLE) & CONSTRUCTION.
11. POWER DISTRIBUTION NOTE: CONDUITS TO BE AS FOLLOWS. WHERE RUN WITHIN THE BUILDING IN DRY LOCATIONS NOT SUBJECT TO PHYSICAL DAMAGE PROVIDE E.M.T. WHERE RUN IN BUILDING WHERE SUBJECT TO PHYSICAL DAMAGE, WET OR DAMP LOCATIONS, THRU ROOFS OR CONCRETE PROVIDE THICK WALLED RIGID METAL CONDUIT. WHERE RUN UNDERGROUND PROVIDE SCHEDULE 40 P.V.C..
12. EXISTING INFORMATION INCLUDING CONDUIT, WIRING, QUANTITIES, LIGHTING STANDARDS, AND FACILITIES HAVE BEEN GATHERED FROM THE BEST AVAILABLE AS-BUILT REFERENCE PLANS. THE CONTRACTOR SHALL USE THE PROVIDED INFORMATION FOR DEVELOPING AN UNDERSTANDING OF THE LEVEL OF EFFORT REQUIRED TO PERFORM THE WORK SHOWN. FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING ACTUAL WORK.
13. FIELD VERIFY ALL DIMENSIONS RELATING TO ELECTRICAL EQUIPMENT INSTALLATIONS PRIOR TO PERFORMING THE ACTUAL INSTALLATION AS CONSTRUCTION PROGRESSES. IMMEDIATELY REPORT ANY DISCREPANCIES OR DEVIATIONS NOTED AS PART OF THE FIELD VERIFICATION TO THE ENGINEER. AFTER HAVING NOTED AND REPORTED THE DISCREPANCIES/DEVIATION TO THE ENGINEER, WORK ON ITEMS THAT MAY BE AFFECTED BY THE DISCREPANCIES WILL BE AT THE CONTRACTOR'S RISK AND EXPENSE UNTIL DIRECTION IS PROVIDED BY THE ENGINEER.
14. BOXES LOCATED ON OPPOSITE SIDES OF NON-RATED WALLS SHALL BE OFFSET HORIZONTALLY. BOXES ON OPPOSITE SIDES OF ACOUSTIC RATED WALLS SHALL BE OFFSET A MINIMUM OF 24" HORIZONTALLY. THRU-THE-WALL BOXES SHALL BE ALLOWED. BOXES IN FIRE RATED WALLS SHALL BE INSTALLED SUCH THAT RATING OF THE WALL IS MAINTAINED.

SCOPE OF WORK

ELECTRICAL WORK CONSISTS OF:

1. REPLACE EXISTING CONTROLLERS AND ELEVATOR DRIVE MACHINES.
2. REPLACE EXISTING LIGHT FIXTURES IN ELEVATOR PIT AND EMR WITH LED FIXTURES.
3. ALL OTHER WORK AS INDICATED ON THE ELECTRICAL DRAWINGS.

ELECTRICAL CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL REMEDY ANY ELECTRICAL VIOLATION FROM THE AREA OF WORK. ELECTRICAL WORK SHALL BE DONE UNDER THE SUPERVISION OF A N.Y.C. LICENSED ELECTRICIAN.
2. THE DRAWINGS ARE DIAGRAMMATIC AND GENERALLY INDICATIVE OF THE WORK TO BE INSTALLED BUT DO NOT SHOW ALL BENDS, FITTINGS AND BOXES WHICH MAY BE REQUIRED. CAREFULLY INVESTIGATE THE STRUCTURAL AND FINISH CONDITIONS AFFECTING THE WORK AND ARRANGE SAME ACCORDINGLY. FURNISH AND INSTALL SUCH FITTINGS, BOXES AND SIMILAR ITEMS AS MAY BE REQUIRED TO MEET SUCH CONDITIONS. BACKGROUND DRAWINGS AND NOTES PROVIDING DESIGN INFORMATION FOR EXISTING CONDITIONS, ARE FOR REFERENCE ONLY. ACTUAL CONDITIONS MAY DIFFER FROM WHAT IS SHOWN.
3. THE DRAWINGS INDICATE EXISTING CONDUIT RUNS FOR GUIDANCE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXISTING CONDITIONS, WHICH ARE NOT SHOWN AND SHALL INCLUDE ALL WORK NECESSARY FOR THE CIRCUITING AS SPECIFIED AND INDICATED ON THE DRAWING.
4. ALL ELECTRICAL MATERIALS AND APPLIANCES SHALL HAVE THE LISTING OF THE UNDERWRITERS LABORATORIES, INC. (UL) AND BE APPROVED BY MUNICIPAL DEPARTMENTS HAVING JURISDICTION AND BY FACILITY.
5. THE CONTRACTOR SHALL COORDINATE NEW ELECTRICAL WORK WITH THE REMOVAL OF EXISTING ELECTRICAL WORK IN ORDER TO MINIMIZE INTERRUPTION TO THE BUILDINGS OPERATION.
6. THE INTENTION OF THESE PLANS AND SPECIFICATIONS IS TO FURNISH, CONNECT AND INSTALL ALL ELECTRICAL EQUIPMENT FOR A FUNCTIONAL INSTALLATION. ANY WORK DEEMED NECESSARY TO COMPLETE THIS CONTRACT SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR AS PART OF THIS CONTRACT.
7. EXISTING ELECTRICAL WIRE, EQUIPMENT, AND EXPOSED CONDUITS THAT ARE ABANDONED DUE TO THE WORK OF THIS CONTRACT SHALL BE REMOVED BY ELECTRICAL CONTRACTOR.
8. RELOCATE EXISTING EQUIPMENT, NOT BEING REPLACED UNDER THIS CONTRACT, AS REQUIRED TO ACCOMMODATE NEW EQUIPMENT. INCLUDE ALL CONDUIT, TROUGH AND WIRE WORK NECESSARY FOR SUCH RELOCATION.
9. CONTRACTOR SHALL PROVIDE RACEWAY AND WIRES IN ORDER TO MAINTAIN CONTINUITY OF CIRCUITS TO ALL EQUIPMENT.
10. WHERE EXTENSION OF EXISTING CIRCUIT IS REQUIRED, PROVIDE TERMINATIONS, RACEWAYS BOXES, SUPPORT WIRES, AND SUPPORTS FOR A COMPLETE FUNCTIONING INSTALLATION.
11. NEW ELECTRICAL RACEWAYS SHALL NOT CONTACT GAS LINES, EITHER DIRECTLY OR THROUGH METAL SUPPORTS. CONTRACTOR SHALL SURVEY THE ROOM AND VERIFY THAT EXISTING RACEWAYS ALREADY MEET THIS REQUIREMENT. WHERE THEY DO NOT, REPORT SUCH CASES TO THE FACILITY'S REPRESENTATIVE FOR ACTION REQUIRED.
12. BRANCH CIRCUITS SHALL BE CONNECTED TO CIRCUIT BREAKERS ON PANEL SO AS TO SECURE A REASONABLE BALANCE IN THE PHASES, WHERE MORE THAN ONE CIRCUIT WITH COMMON NEUTRAL IS INSTALLED. EACH PHASE WIRE SHALL BE CONNECTED TO DIFFERENT LEG OF THE SYSTEM.

ELECTRICAL SUBMITTAL NOTES

THE CONTRACTOR IS RESPONSIBLE TO SUBMIT ALL OF THE FOLLOWING ITEMS FOR REVIEW/APPROVAL BY NO MORE THAN 3 WEEKS AFTER THE CONTRACTOR'S CONTRACT/BID HAS BEEN AWARDED. ALL SUBMITTALS MUST BE SENT TOGETHER AS A SINGLE PACKAGE WITH MANUFACTURER'S SPECIFIC MODELS AND SPECIFICATIONS OUTLINED TO MATCH THE SCHEDULED REQUIREMENTS. EACH SUBMITTAL MUST BE LABELED WITH THE UNIT DESIGNATION USED WITHIN THIS DRAWING SET. IF THE SUBMITTAL PACKAGE IS FOUND TO BE INCOMPLETE UPON RECEIPT, THE PACKAGE WILL BE HELD AND WILL NOT BE REVIEWED UNTIL THE REMAINDER OF THE PACKAGE IS RECEIVED. ALL SHOP DRAWINGS AND SUBMITTALS SHALL BE SUBMITTED ELECTRONICALLY TO THE ENGINEER FOR REVIEW. CONTRACTOR SHALL NOT PURCHASE OR INSTALL ANY EQUIPMENT UNTIL WRITTEN ACCEPTANCE IS OBTAINED FROM THE ENGINEER.

1. CONTRACTOR IS RESPONSIBLE TO DEVELOP & SUBMIT TO THE ENGINEER FOR REVIEW & APPROVAL THE FOLLOWING SHOP DWGS:

- A. ALL CONDUITS AND WIRES.
- B. ALL SPlice/PULL BOXES.
- C. ALL JUNCTION BOXES.
- D. ALL DISCONNECT SWITCHES.

NOTE:
REFER TO SPECIFICATIONS FOR FURTHER SHOP DRAWING REQUIREMENTS. IF CONFLICTS ARISE, CONTACT DESIGN ENGINEER BEFORE FABRICATION.

ELECTRICAL CONSTRUCTION NOTES CONTINUE

13. PROVIDE PANELBOARD DIRECTORIES ON NEW PANELBOARDS. UPDATE DIRECTORIES ON EXISTING PANELBOARDS.
14. SYSTEM AND EQUIPMENT GROUNDING SHALL BE IN ACCORDANCE WITH NYC ELECTRICAL CODE.
15. THE CONTRACTOR SHALL FILE FOR AND OBTAIN THE FOLLOWING FROM THE BUREAU OF ELECTRICAL CONTROL, N.Y.C., BUILDING DEPARTMENT AN ELECTRICAL PERMIT FOR EACH BUILDING AND UPON COMPLETION OF WORK, A CERTIFICATE OF ELECTRICAL INSPECTION. CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS AND FILINGS. PROVIDE COPY TO FACILITY.
16. ALL AREAS DISTURBED INSIDE AND OUTSIDE OF THE BUILDING DUE TO THE INSTALLATION OF ELECTRICAL EQUIPMENT SHALL BE RESTORED TO THEIR ORIGINAL CONDITION BY THE ELECTRICAL CONTRACTOR, AS PART OF THIS CONTRACT.
17. PROVIDE CUTTING, ROUGH PATCHING, DRILLING AND FIRESTOPPING FOR WALLS AND FLOORS REQUIRING ELECTRICAL WORK.
18. DO ALL CUTTING/DRILLING OF WALLS, FLOORS, CEILINGS, DOORS AND FRAMES ETC., NECESSARY FOR INSTALLATION OF THIS WORK. NO CUTTING OF BEAMS, BEARING WALLS OR OTHER STRUCTURAL ELEMENTS SHALL BE DONE WITHOUT FIRST SECURING FACILITY'S SPECIFIC WRITTEN APPROVAL.
19. PATCH AND RESTORE ALL SURFACES DAMAGED BY CONTRACTOR TO THEIR ORIGINAL CONDITION. COMPLETED REPAIRS SHALL MATCH EXISTING ADJACENT SURFACES AND SHALL INCLUDE PAINTING WHERE NECESSARY.
20. FIRE-STOP ANY FLOOR OR WALL PENETRATION TO MAINTAIN ORIGINAL FIRE RATING BY CAULKING WITH EPOXY PATCHING COMPOUND TO FULL DEPTH OF OPENING. ALL FIRE-RATED WALL OPENINGS SHALL BE FIRE-PROOFED WITH THE SAME FIRE-RATING AS THE WALL.
21. CONTRACTOR SHALL PROVIDE SLEEVES FOR CONDUIT PENETRATIONS THROUGH WALLS AND CEILING FLOORS AS INDICATED BY CONTRACT DOCUMENTS.
22. THE CONTRACTOR SHALL CONDUCT TEST DEMONSTRATING NORMAL AND ABNORMAL MODES OF EQUIPMENT OPERATION AND THE REQUIRED RESPONSES TO EACH.
23. WHEN DIRECTED BY THE AUTHORITY HAVING JURISDICTION THE CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT AND PERSONNEL TO CONDUCT A TEST OF THE INSTALLED SYSTEM IN PRESENCE OF THE INSPECTOR TO DETERMINE IF THE INSTALLATION HAS MET ALL THE REQUIREMENTS OF THE APPLICABLE CODES AND SPECIFICATIONS.
24. IF DURING THE TEST THE INSTALLATION HAS NOT MET SPECIFICATIONS OR COMPONENTS ARE DEFECTIVE THE CONTRACTOR SHALL IMMEDIATELY MAKE ALL THE NECESSARY CORRECTIONS TO THE FULL SATISFACTION OF THE INSPECTOR WITH NO ADDITIONAL COST TO FACILITY.
25. GROUND TESTING SHALL BE PERFORMED. ALL FEEDERS TO ELECTRICAL PANELS SHALL HAVE INSULATION VISUALLY INSPECTED. ALL TESTING AND INSPECTION SHALL BE WITNESSED BY FACILITY INSPECTOR.
26. LOCATE PULL BOXES AND JUNCTION BOXES WHERE REQUIRED FOR THE INSTALLATION AND WHERE REQUIRED BY CODE. LOCATE BOXES TO SUIT RACEWAY ENTRY, AND TO LEAVE COVERS READILY ACCESSIBLE.
27. ALL NEW BOXES ON DRYWALLS SHALL BE RECESSED MOUNTED.
28. NEW RACEWAY: 3/4" MINIMUM SIZE CONDUIT UNLESS OTHERWISE NOTED.
29. ALL EMPTY CONDUITS SHALL BE PROVIDED WITH DRAG WIRES.
30. WHERE WIRES ARE REQUIRED TO BE INSTALLED IN THE EXISTING CONDUIT, THE CONTRACTOR SHALL REMOVE THE EXISTING WIRES IN THE CONDUIT AND THOROUGHLY CLEAN THE CONDUIT. USE SWAB TO CLEAN CONDUITS BEFORE PULLING CABLES.
31. RACEWAY SHALL NOT BE INSTALLED IN CLOSE PROXIMITY TO HIGH TEMPERATURE ITEMS SUCH AS PIPING, HEATING EQUIPMENT, DUCT WORK, ETC.
32. THE CONTRACTOR SHALL INSTALL DOUBLE LOCK NUTS AT RACEWAY TERMINATION AND SHALL INSTALL SUITABLE PLASTIC BUSHINGS ON CONDUIT ENDS.
33. ONLY RGS RACEWAY ALLOWED IN MECHANICAL ROOM.
34. RGS RACEWAY SHALL BE PROVIDED IN 10'-0" LENGTH, WITH COUPLINGS.
35. PROVIDE EXPANSION FITTING WHERE RACEWAY CROSSES EXPANSION JOINT AND EVERY 300 FEET IN LENGTH.
36. ALL WIRING AND BUS SHALL BE COPPER.
37. EQUIPMENT GROUND WIRE MUST BE PROVIDED FOR ALL BRANCH CIRCUITS.
38. CONTRACTOR SHALL VERIFY POWER AND GROUNDING REQUIREMENTS OF ALL EQUIPMENT. ALL SPECIAL PURPOSE RECEPTACLES INDICATED ON PLAN SHALL BE VERIFIED WITH EQUIPMENT MANUFACTURER FOR WIRING.
39. CONTRACTOR SHALL VERIFY CODE REQUIRED CLEARANCES FOR ELECTRICAL EQUIPMENT. SHOP DRAWINGS MUST SHOW SERVICE EQUIPMENT/PANEL, CIRCUIT NUMBERS, WIRE SIZE, CONDUIT SIZE, EQUIPMENT CLEARANCES, ETC.
40. ALL MECHANICAL EQUIPMENT SHALL BE COORDINATED WITH MECHANICAL DRAWINGS AND MANUFACTURERS RECOMMENDATION.
41. PROVIDE FUSES AND CIRCUIT BREAKERS AS RECOMMENDED BY EQUIPMENT MANUFACTURER. PROVIDE FUSE ADAPTERS WHERE REQUIRED.
42. ALL CONTROL CABLING SHALL BE INSTALLED IN SEPARATE RACEWAYS. CONTROL CABLING SHALL NOT SHARE THE SAME RACEWAY AS POWER CONDUCTORS.
43. REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
44. ALL CONDUITS INSTALLED IN MECHANICAL ROOMS, ELECTRICAL ROOMS, SHAFTS, ELEVATOR SHAFTS, AND ELEVATOR MACHINE ROOMS SHALL BE RIGID GALVANIZED STEEL CONDUIT (RGS). EMT AND GREENFIELD CONDUITS ARE NOT PERMITTED UNDER ANY CIRCUMSTANCES. FLEXIBLE METALLIC LIQUID-TIGHT CONDUIT MAY BE USED ONLY WHEN NECESSARY AND MUST NOT EXCEED 3 FEET IN LENGTH, AND MUST BE CONNECTED TO RGS CONDUIT.

DRAWING LIST

E-100	SYMBOL LEGEND AND GENERAL NOTES (THIS DRAWING)
E-200	ELECTRICAL SUB CELLAR (PIT) AND FIRST FLOOR (PIT) POWER & LIGHTING DEMOLITION PLANS
E-201	ELECTRICAL BULKHEAD POWER & LIGHTING DEMOLITION PLAN
E-202	DEMOLITION ELECTRICAL RISER DIAGRAM
E-300	ELECTRICAL SUB CELLAR (PIT) AND FIRST FLOOR (PIT) LIGHTING NEW WORK PLANS
E-301	BULKHEAD LIGHTING NEW WORK PLAN
E-400	ELECTRICAL SUB CELLAR (PIT) AND FIRST FLOOR (PIT) POWER NEW WORK PLANS
E-401	ELECTRICAL BULKHEAD POWER NEW WORK PLAN
E-402	ELECTRICAL BULKHEAD HVAC POWER NEW WORK PLAN
E-500	NEW ELECTRICAL RISER DIAGRAM
E-501	DETAILS AND NOTES
E-600	PANEL SCHEDULES

ABBREVIATIONS					
A	AMP-AMPERE	FACP	FIRE ALARM CONTROL PANEL	(N)	NEW
AD	ACCESS DOOR	FD	FIRE DAMPER	N	NEUTRAL
AFF	ABOVE FINISHED FLOOR	GND	GROUND	NEC	NATIONAL ELECTRICAL CODE
ALT	ALTERNATE	GFI	GROUND FAULT INTERRUPTER	NEMA	NATIONAL ELECTRICAL
AWG	AMERICAN WIRE GAUGE	HD	HAND DRYER		MANUFACTURERS ASSOCIATION
BKR	BREAKER	HP	HORSE POWER	NIC	NOT IN CONTRACT
C	CONDUIT/CONDUCTOR	JC	JANITORS CLOSET	NR	NEW TO REPLACE EXISTING
CB	CIRCUIT BREAKER	KV	KILOVOLT	PNL	PANEL
CHWR	CHILLED WATER RETURN	KVA	KILOVOLT AMPERE	RTU	ROOF TOP UNIT
CHWS	CHILLED WATER SUPPLY	KW	KILOWATT	TYP	TYPICAL
CKT	CIRCUIT	KWH	KILOWATT HOUR	U.O.N.	UNLESS OTHERWISE NOTED
CU	COPPER	LP	LIGHTING PANEL	V	VOLTS
DWG	DRAWING	LTG	LIGHTING	WP	WEATHERPROOF
(E)	EXISTING TO REMAIN	MANUF	MANUFACTURER	WT	WEIGHT
E.C.	ELECTRICAL CONTRACTOR	MC	MAIN CIRCUIT BREAKER	XFMR	TRANSFORMER
ELEC	ELECTRICAL	MLO	MAIN LUGS ONLY	Y	WYE (STAR)
ETR	EXISTING TO REMAIN				

ELECTRICAL SYMBOL LEGEND	
THIS ELECTRICAL LEGEND IS SHOWN FOR GENERAL REFERENCE ONLY. THE PRESENCE OF A SYMBOL ON THIS LEGEND DOES NOT IMPLY ITS USE ON THIS PROJECT. REFER TO DRAWINGS FOR SPECIFIC SYMBOLS USED.	
	SINGLE-POLE TOGGLE SWITCH. 20 AMP, 120/277VAC. PASS & SEYMOUR LEGRAND #PS20AC1
	DOUBLE-POLE TOGGLE SWITCH. 20 AMP, 120/277VAC. PASS & SEYMOUR LEGRAND #PS20AC2
	THREE-WAY TOGGLE SWITCH. 20 AMP, 120/277VAC. PASS & SEYMOUR LEGRAND #PS20AC3
	FOUR-WAY TOGGLE SWITCH. 20 AMP, 120/277VAC. PASS & SEYMOUR LEGRAND #PS20AC4
	TOGGLE SWITCH WITH INTEGRAL THERMAL OVERLOAD PROTECTION.
	AC MANUAL MOTOR STARTING SWITCH, DOUBLE-POLE, SINGLE PHASE SINGLE-THROW AC MANUAL MOTOR SWITCH IN NEMA 1 ENCLOSURE. 30 AMP, 600V, SINGLE PHASE Pass&Seymour legrand #7802 IN NEMA 1 ENCLOSURE 7812P.
	FUSED DISCONNECT SWITCH "SQUARE D" - VOLTAGE AND AMPS AS REQUIRED BY EQUIPMENT-
	NON FUSED DISCONNECT SWITCH "SQUARE D" - VOLTAGE AND AMPS AS REQUIRED BY EQUIPMENT-
	CIRCUIT BREAKER WITH SHUNT TRIP IN NEMA 1 ENCLOSURE. CIRCUIT BREAKER WITH SHUNT TRIP SHALL BE FACTORY PRE-WIRED AND PRE-TESTED AS PER SPECIFICATIONS AND REQUIREMENTS OF THE EQUIPMENT. CIRCUIT BREAKER AND SHUNT TRIP ENCLOSURE. - VOLTAGE AND AMPS AS REQUIRED BY EQUIPMENT-
	WALL MOUNTED DUPLEX RECEPTACLE NEMA 5-20R, 20A, 125V, PASS&SEYMOUR LEGRAND #5362A
	DEDICATED POWER WALL MOUNTED DUPLEX RECEPTACLE NEMA 5-20R, 20A, 125V, PASS&SEYMOUR LEGRAND #5362A
	QUAD DUPLEX RECEPTACLE NEMA 5-20R, 20A, 125V, PASS&SEYMOUR LEGRAND #5362A
	WALL MOUNTED DUPLEX CONVENIENCE RECEPTACLE NEMA 5-15R, 15A, 125V, PASS&SEYMOUR LEGRAND #5262A
	QUAD DUPLEX CONVENIENCE RECEPTACLE NEMA 5-15R, 15A, 125V, PASS&SEYMOUR LEGRAND #5262A
	WEATHER-RESISTANT TAMPER-RESISTANT DUPLEX RECEPTACLE NEMA 5-20R, 125V, 20 AMP. PASS&SEYMOUR LEGRAND #WR20TR
	DUPLEX GROUND FAULT INTERRUPTER RECEPTACLE. NEMA 5-20R, 125V, 20 AMP PASS&SEYMOUR LEGRAND #2094-X
	DEDICATED POWER DUPLEX GROUND FAULT INTERRUPTER RECEPTACLE. NEMA 5-20R, 125V, 20 AMP PASS&SEYMOUR LEGRAND #2094-X
	WEATHER-RESISTANT & TAMPER-RESISTANT DUPLEX GROUND FAULT INTERRUPTER RECEPTACLE. NEMA 5-20R, 125V, 20 AMP. PASS&SEYMOUR LEGRAND #2095TRWRLA
	SINGLE RECEPTACLE. , NEMA 5-20R, 125V, 20 AMP, PASS&SEYMOUR LEGRAND #5361
	CEILING MOUNTED JUNCTION BOX WITH FINAL EQUIPMENT OR LIGHT FIXTURE CONNECTION
	FLUSH WALL MOUNTED JUNCTION BOX WITH FINAL EQUIPMENT OR LIGHT FIXTURE CONNECTION
	EQUIPMENT POWER INLET JUNCTION BOX
	SPECIAL PURPOSE RECEPTACLE - VOLTAGE AND AMPS AS REQUIRED BY EQUIPMENT. PASS&SEYMOUR LEGRAND
	HOMERUN TO 120/208 OR 277/480 VOLT PANEL. HALF ARROWS INDICATE QUANTITY OF SINGLE POLE 15 AMP OR 20 AMP CIRCUITS. COMBINE CIRCUITS WITH LIKE NUMBER AT PANEL. LETTER INDICATES PANEL DESIGNATION. NUMERAL INDICATES CIRCUIT NUMBERS. SLASHES INDICATE NUMBER OF WIRES.
	ELECTRICAL 120/208 VOLT POWER AND/OR LIGHTING PANEL. "SQUARE D"
	ELECTRICAL 277/480 VOLT POWER AND/OR LIGHTING PANEL. "SQUARE D"
	DISTRIBUTION PANELBOARD. 120/208 VOLT OR 277/480 VOLT "SQUARE D"
	TELEPHONE OUTLET WITH 3/4" CONDUIT IN WALL TO 6" ABOVE FINISHED CLG. W/ DRAGLINE. CABLE BY OTHERS. OR CONDUIT TERMINATED IN A 90 DEG BEND 6" INTO NEAREST ACCESSIBLE CEILING W/ DRAGLINE. CABLE BY ELECTRICAL CONTRACTOR.
	DATA OUTLET WITH 3/4" CONDUIT IN WALL TO 6" ABOVE FINISHED CLG. W/ DRAGLINE. CABLE BY OTHERS. OR CONDUIT TERMINATED IN A 90 DEG BEND 6" INTO NEAREST ACCESSIBLE CEILING W/ DRAGLINE. CABLE BY ELECTRICAL CONTRACTOR.

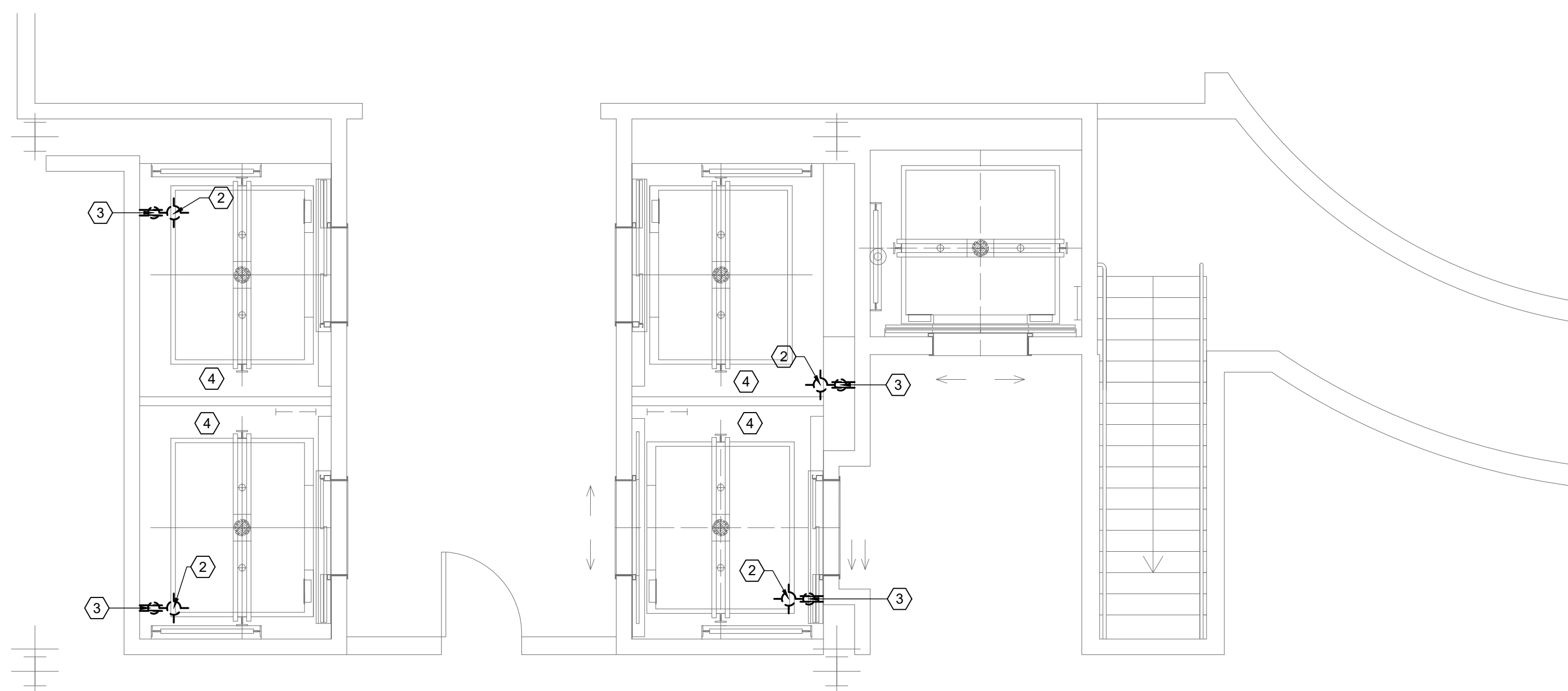
ELECTRICAL SYMBOL LEGEND	
MOTOR, # = HORSEPOWER	REFER TO SUPPLEMENTAL FIGURE INDICATED BY NUMBER (I.E. F2 REFERS TO FIGURE 2)
← EQUIPMENT TAG ← EQUIPMENT NUMBER	← DETAIL TAG/CALL OUT TAG ← ELECTRICAL SHEET NUMBER

DOB APPROVAL STAMP

Drawing Title: ELECTRICAL NOTES, SYMBOLS, LEGENDS, & DRAWING LIST	
Seal:	Contract #: 20205400631
	Project #: PW77198EV PL21041
	Drawn by: RR
	Checked by: PL
	Date: 04/29/2022
	E-100.00
	DWG. 1 OF 12

Mar 18, 2022

N  **PARTIAL SUB CELLAR (PIT) POWER AND LIGHTING DEMOLITION PLAN**
SCALE: 1/4"=1'-0"



N  **PARTIAL FIRST FLOOR (PIT) POWER AND LIGHTING DEMOLITION PLAN**
SCALE: 1/4"=1'-0"

**REFER TO DRAWING E-201.00 FOR ELECTRICAL JOB
SPECIFIC DEMOLITION NOTES**

ELECTRICAL DEMOLITION NOTES:

- REFER TO ARCHITECTURAL DEMOLITION DRAWINGS AND NOTES FOR ADDITIONAL INFORMATION.
- B. IN AREAS DESIGNATED FOR DEMOLITION BY THE ARCHITECTURAL DRAWINGS, IT IS THE INTENT OF THIS CONTRACT THAT THE CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXISTING ELECTRICAL, TELECOMMUNICATION, SECURITY AND AUDIO/VISUAL EQUIPMENT INCLUDING: POWER AND LIGHTING PANELBOARDS (IF ANY) AND ASSOCIATED FEEDERS, TRANSFORMERS, PULLBOXES, LIGHT FIXTURES, FLOOR RECEPTACLES, POWER AND TEL. DATA DOGHOUSE OUTLETS, WALL MOUNTED RECEPTACLES, TELEPHONE/DATA OUTLETS, CONTROL DEVICES AND LIGHT SWITCHES, POWER OUTLETS, BOXES, WIRING, RACEWAYS, CONDUITS AND CABLE TRAYS, AND ALL OTHER EQUIPMENT UNLESS OTHERWISE NOTED, WHICH IS MOUNTED ON WALLS OR PARTITIONS THAT WILL BE TAKEN OUT. REMOVE BRANCH CIRCUITRY BACK TO NEAREST DEVICE SCHEDULED TO REMAIN AND SAFETY TERMINATE ALL CONNECTIONS – MAINTAIN CONTINUITY OF ALL EXISTING FEEDERS AND BRANCH CIRCUITRY TO EXISTING AREAS NOT BEING AFFECTED BY THIS DEMOLITION – ALL WORK TO BE DONE IN AN APPROVED MANNER.
- C. PROVIDE TEMPORARY LIGHTING AND POWER FOR ALL TRADES DURING DEMOLITION AND CONSTRUCTION – WHEN USING TEMPORARY LIGHTING, THE CONTRACTOR SHALL CLEARLY LABEL PANELS AND BREAKERS USED FOR LIGHTING. LOCATION OF PANELS TO BE SHOWN ON FLOOR PLAN POSTED AT ENTRANCE TO WORK AREA. PROPER TEMPORARY LIGHTING AND POWER MUST BE INSTALLED AND MAINTAINED IN ALL WORK AREAS. TEMPORARY LIGHT AND POWER STRINGERS SHALL UTILIZE C-TAP TERMINATIONS. LAMPHOLDERS SHALL HAVE LEFT HANDED SCREW SHELL LAMP HOLDERS AND NON-METALLIC LAMP GUARDS. CONNECTIONS TO EXISTING STAIRWELL AND EXIT LIGHT SYSTEMS ARE NOT PERMITTED.
- D. DEMOLITION PLANS ARE INTENDED TO INDICATE MINIMUM DEMOLITION WORK. CONTRACTOR SHALL VERIFY IN FIELD THE FULL EXTENT OF THE WORK. CONTRACTOR SHALL INFORM ARCHITECT AND ELECTRICAL ENGINEER OF ANY DISCREPANCIES.
- E. THE BUILDING ELEVATOR DEVICES AND ASSOCIATED WIRING SHALL REMAIN UNTIL INSTRUCTED TO BE RELOCATED OR REPLACED.
- F. ELECTRIC PANELS' COVERS ARE NOT TO BE LEFT OFF AT ANY TIME, UNLESS MEN ARE WORKING ON SAME. COVERS SHALL BE REPLACED EACH NIGHT BEFORE LEAVING JOB SITE.
- G. BRANCH CIRCUITRY AND CONTROL WIRING FOR MECHANICAL EQUIPMENT AND DEVICES TO BE REMOVED SHALL BE DISCONNECTED AND REMOVED – COORDINATE WITH MECHANICAL CONTRACTOR THESE REMOVALS. RELOCATE ANY CONTROL DEVICES TO TEMPORARY LOCATIONS IF REQUIRED. FOR EXISTING A/C UNITS TO BE REMOVED, DISCONNECT AND REMOVE STARTERS, DISCONNECT SWITCHES, JUNCTION BOXES, POWER AND CONTROL WIRING BACK TO SOURCE. CONTINUITY SHALL BE MAINTAINED ON ALL ELECTRICAL CIRCUITS FEEDING POWER TO A/C UNITS OR MECHANICAL EQUIPMENT NOT BEING REMOVED.
- H. TRACE OUT ALL EXISTING CIRCUITS TO DETERMINE IF ANY CIRCUITS ALSO FEED THE FLOORS BELOW OR THE FLOORS ABOVE. IF SO, CONTACT THE BUILDING MANAGER AND ELECTRICAL ENGINEER TO DETERMINE COURSE OF ACTION TO BE TAKEN.
- I. ALL OTHER DEVICES THAT ARE REMOVED AND MADE SURPLUS SHALL BE REMOVED FROM THE SITE. CONTRACTOR MUST OBTAIN OWNER APPROVAL FOR DISPOSITION. CONTRACTOR IS RESPONSIBLE FOR PROPER DISPOSAL OF ALL ELECTRICAL EQUIPMENT NOT DEEMED SALVAGEABLE BY OWNER.
- J. ELECTRICAL CONTRACTOR SHALL VISIT AND EXAMINE CAREFULLY THE EXISTING AREAS AFFECTED BY THIS WORK TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND WITH DIFFICULTIES THAT WILL ATTEND THE EXECUTION OF THE WORK. CONTRACTOR SHALL PERFORM THIS, PRIOR TO SUBMITTING HIS PROPOSAL. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH AN 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 AN EXAMINATION BEEN MADE.
- K. THE ELECTRICAL CONTRACTOR SHALL DETERMINE THE EXTENT OF PCB CONTAMINATED BALLASTS (IF ANY) AND SHALL PROPERLY DISPOSE OF BALLASTS. CONTRACTOR TO DOCUMENT IN WRITING THAT ALL PROPER PROCEDURES AND APPLICABLE ENVIRONMENTAL LAWS WERE ADHERED TO.
- L. THE CONTRACTOR SHALL MAINTAIN CONTINUITY OF SERVICE ON ALL CIRCUITS AFFECTED BY THIS DEMOLITION. WHENEVER IT IS REQUIRED THAT AN EXISTING CIRCUIT BE REVISED, DISCONNECTED OR REMOVED, IT SHALL BE UNDERSTOOD THAT THE CIRCUIT SHALL BE RECONNECTED AND SERVICE REESTABLISHED IN THE REMAINING PORTION OF THE CIRCUIT AFFECTED BY THIS ALTERATION.
- M. THE CONTRACTOR SHALL CUT BACK TO THE FLOOR, WALL OR CEILING, REMOVE WIRING AND PLUG BOTH ENDS OF CONCEALED CONDUITS MADE OBSOLETE BY THIS ALTERATION. EXPOSED CONDUITS, CABLE TRAYS, WIREWAYS, OUTLET BOXES, PULL BOXES, HANGERS, ETC. MADE OBSOLETE BY THE ALTERATION WORK SHALL BE REMOVED, UNLESS OTHERWISE NOTED.
- N. IN CONNECTION WITH THE ALTERATIONS TO THE EXISTING BUILDING, THERE WILL BE CERTAIN REMOVALS AND RELOCATIONS OF THE EXISTING ELECTRICAL WORK NECESSARY FOR THE SATISFACTORY PERFORMANCE OF THE GENERAL WORK. THESE CHANGES CANNOT BE COMPLETELY DETAILED ON THE DRAWINGS, BUT SHOULD BE TAKEN INTO CONSIDERATION BY THE CONTRACTOR IN PREPARING THIS PROPOSAL FOR THIS WORK.
- O. DURING DEMOLITION, PROVIDE ALL NECESSARY PROTECTION FOR EXISTING ELECTRICAL WORK REQUIRED FOR REUSE.
- P. WHERE ELECTRICAL SYSTEMS PASS THROUGH THE DEMOLITION AREAS TO SERVE OTHER PORTIONS OF THE PREMISES, THEY SHALL BE SUITABLY RELOCATED AND THE SYSTEMS RESTORED TO NORMAL OPERATION.
- Q. WHERE ELECTRICAL EQUIPMENT EXISTS IN OR ON SURFACES OR EQUIPMENT IS TO BE REMOVED, THE CONTRACTOR SHALL COORDINATE THE WORK OF OTHER TRADES SO THAT ELECTRICAL EQUIPMENT IS DE-ENERGIZED PRIOR TO REMOVAL OF THE SURFACE.
- R. WHERE DISCONNECTION AND REMOVAL OF ELECTRICAL POWER AND EQUIPMENT TO EXISTING EQUIPMENT IS REQUIRED, SUCH DISCONNECTION AND REMOVAL SHALL BE ACCOMPLISHED WELL IN ADVANCE OF REMOVAL OF THE EQUIPMENT.
- S. ALL POWER WIRING IN AREAS TO BE DEMOLISHED SHALL BE THOROUGHLY TRACED OUT TO DETERMINE THE DEVICES BEING FED FROM IT. ALL OBSOLETE WIRING AND CONDUIT SHALL BE REMOVED BACK TO THEIR RESPECTIVE PANELS UPON COMPLETION OF DEMOLITION. AN ACCURATE COUNT OF ALL SPARE CIRCUITS IN ALL PANELS SHALL BE MADE BY THE CONTRACTOR AND FURNISHED TO THE ARCHITECT AND ELECTRICAL ENGINEER. INFORMATION SHALL INCLUDE PANEL NAME, PANEL LOCATION, NUMBER OF SPARE CIRCUIT BREAKERS OF EACH SIZE AND TYPE, NUMBER OF EMPTY SPACES FOR FUTURE BREAKERS IN EACH PANEL.
- T. ALL EXISTING ELECTRICAL EQUIPMENT WITHIN THE ELECTRICAL CLOSETS SHALL BE SPECIFIED UNDER THE CONSTRUCTION PHASE OF THE PROJECT.
- U. ALL DEMOLISHING WORK, WHICH CREATES DISTURBING NOISE, SHALL BE PERFORM AS PER OWNER'S INSTRUCTIONS. THE REMOVAL OF DEBRIS AND EQUIPMENT MUST BE ARRANGED TO AVOID ANY INCONVENIENCE TO OWNER.
- V. ITEMS DESIGNATED BY A NUMBER IN A HEXAGON ARE DESCRIBED IN THE JOB SPECIFIC DEMOLITION NOTES

SITE SAFETY NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE SAFETY OF PERSONNEL THE JOB SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE WORK SITE SAFETY IN ACCORDANCE WITH APPLICABLE RULES AND REGULATIONS SUCH AS, BUT NOT LIMITED TO, THE BUILDING CODE AND O.S.H.A.
2. THE CONTRACTOR SHALL BE FAMILIAR WITH THE PROVISIONS OF CHAPTER 33 OF THE 2014 NYC BUILDING CODE - SAFEGUARDS DURING CONSTRUCTION OR DEMOLITION AND SHALL BE RESPONSIBLE FOR ALL APPLICABLE PROVISIONS OF THIS CHAPTER DURING CONSTRUCTION.

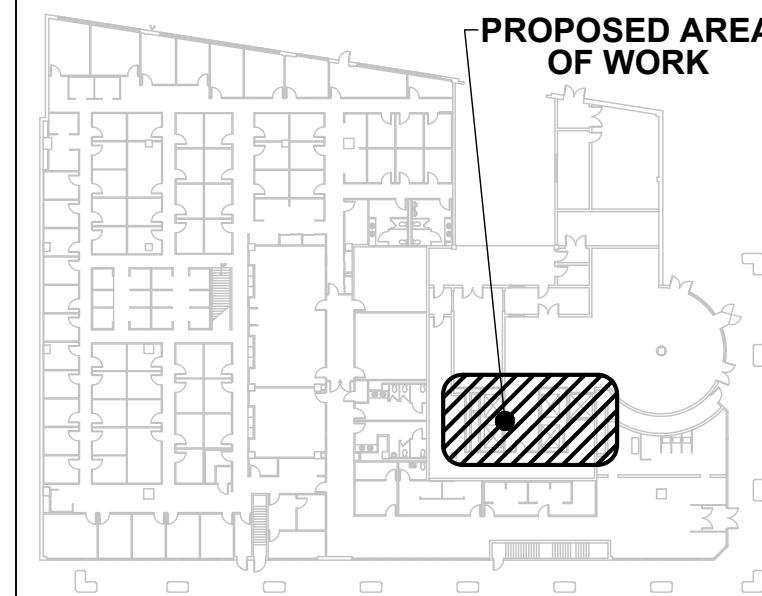
This plan is approved only for work indicated on the application specification sheet. All other matters shown are not to be relied upon, or to be considered as either being approved or in accordance with applicable codes.

DOB APPROVAL STAMP

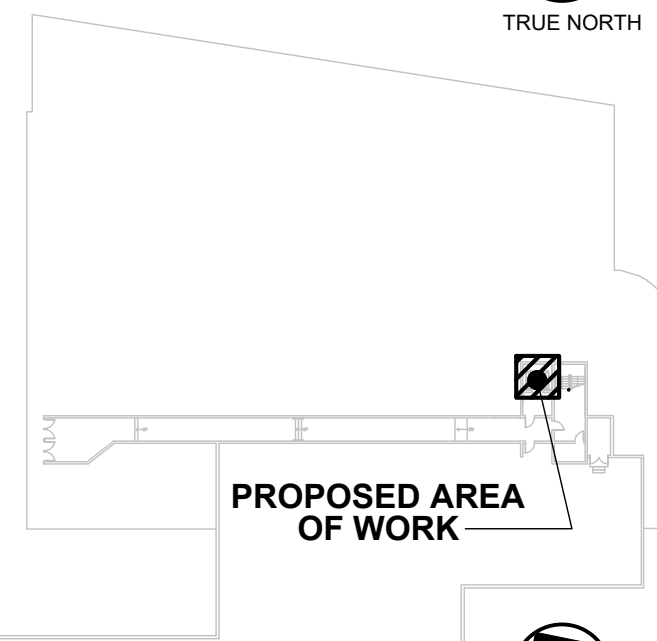
Seal:	Contract #:	20205400631
	Project #:	PW77198EV PL21041
	Drawn by:	RR
	Checked by:	PL
	Date:	04/29/2022

E-200.00

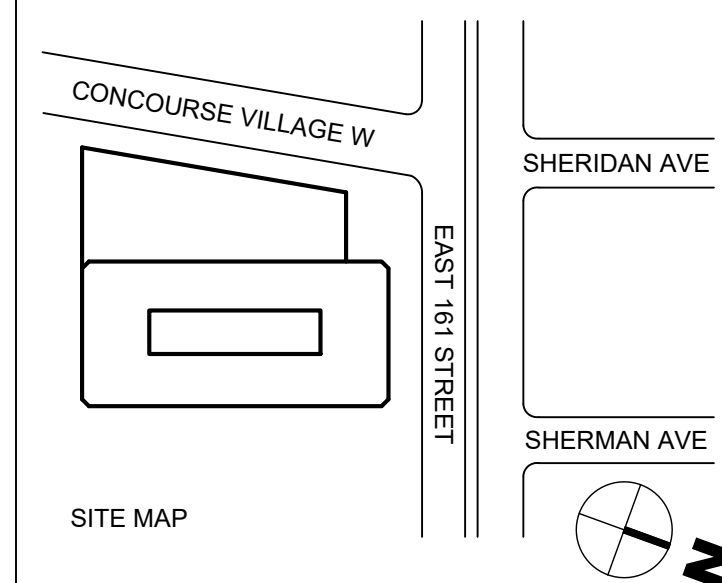
DWG. 2 OF 12



FIRST FLOOR KEY PLAN

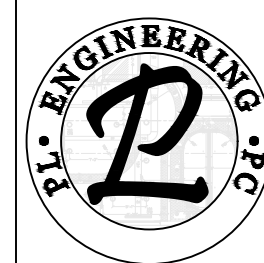


SUB CELLAR KEY PLAN

[illegible]

ISSUED FOR BID	-	-	03.20.2026	-
Revision / Issue	Approved	Reviewed	Date	No

SUB-CONSULTANT:



PL Engineering P.C.

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Address: 1 Center Street, New York, NY 10007

Project: 198 E161 Street - Elevators Modernization
Address: 198 E161 Street, Bronx, NY 10451

Sponsor Agency

Sponsor Address:



Liro Architects + Planners, P.C.
State Street, 28th Fl, New York, NY

	Drawing Title
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ELECTRICAL SUB CELLAR (PIT) AND FIRST FLOOR (PIT) POWER & LIGHTING DEMOLITION PLANS

Seal:

Contract #:	20205400631
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Project #:	PW77198EV
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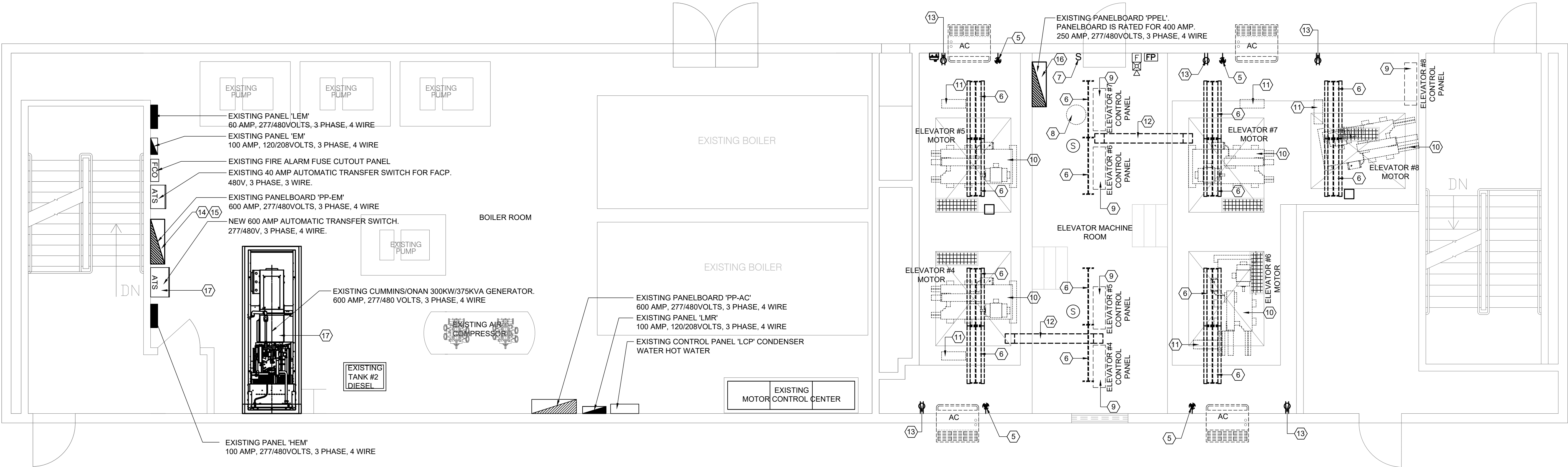
Project #:	PL21041
Project Name:	

Drawn by:	R

Checked by:	P
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E-200.00

DWG. 2 OF 12



BULKHEAD POWER AND LIGHTING DEMOLITION PLAN
SCALE: 1/4"=1'-0"

EXISTING CONDUIT: ALL UNUSED EXISTING CONDUITS AND WIRING THAT WILL BE EXPOSED UPON COMPLETION OF NEW WORK SHALL BE REMOVED. CONDUITS REMAINING CONCEALED WITHIN WALLS SHALL BE ABANDONED IN PLACE. CONDUITS LOCATED BELOW THE FLOOR SLAB SHALL BE CUT OFF ONE INCH BELOW THE ROUGH FLOOR SURFACE AND GROUTED FLUSH. ALL WIRING WITHIN CONDUITS TO BE ABANDONED SHALL BE DISCONNECTED FROM THE POWER SOURCE AND REMOVED.

ELECTRICAL GENERAL DEMOLITION NOTES:

GENERAL: DEMOLITION DRAWINGS ARE BASED ON EXISTING PLANS AND FIELD INVESTIGATION PRIOR TO DEMOLITION. VISIT THE EXISTING BUILDING PRIOR TO BID IN ORDER TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND IN ORDER TO AVOID CONFLICTS.

DASHED ITEMS: ALL ITEMS SHOWN DASHED ON DEMOLITION PLANS ARE EXISTING AND SHALL BE REMOVED COMPLETE INCLUDING BOXES, CONDUIT, WIRE, FASTENERS, AND ASSOCIATED APPURTENANCES UON.

SOLID ITEMS: ALL ITEMS SHOWN SOLID ON DEMOLITION PLANS ARE EXISTING TO REMAIN.

CIRCUITING TO REMAIN: EXISTING CIRCUITING TO REMAIN SHALL BE REROUTED OR RECONNECTED, AS REQUIRED, WHERE AFFECTED BY NEW WORK IN ORDER TO MAINTAIN CONTINUITY OF CIRCUIT.

REUSING EXISTING CIRCUITRY IS PROHIBITED; ANY EXISTING CIRCUITS CURRENTLY SERVING LIGHTING FIXTURES AND/OR RECEPTACLES IN A DESIGNATED AREA SHALL NOT BE REUSED FOR NEW WORK.

EXISTING CONDUIT: ALL UNUSED EXISTING CONDUITS AND WIRING THAT WILL BE EXPOSED UPON COMPLETION OF NEW WORK SHALL BE REMOVED. CONDUITS REMAINING CONCEALED WITHIN WALLS SHALL BE ABANDONED IN PLACE. CONDUITS LOCATED BELOW THE FLOOR SLAB SHALL BE CUT OFF ONE INCH BELOW THE ROUGH FLOOR SURFACE AND GROUTED FLUSH. ALL WIRING WITHIN CONDUITS TO BE ABANDONED SHALL BE DISCONNECTED FROM THE POWER SOURCE AND REMOVED.

REPAIR DAMAGE: EXERCISE CARE IN REMOVAL OF DEMOLITION ITEMS. REPAIR, AT NO ADDITIONAL COST TO OWNER, ANY DAMAGE CAUSED TO EXISTING CONSTRUCTION AND/OR EQUIPMENT TO REMAIN.

ASSOCIATED APPURTENANCES: REMOVE ALL ELECTRICAL APPURTENANCES (DISCONNECTS, STARTERS, WIRING, CONDUIT, ETC.) ASSOCIATED WITH EQUIPMENT (ELEVATORS) TO BE REMOVED BY OTHERS.

KNOCKOUT PLUGS AND COVERS: ALL CONDUIT REMOVED SHALL BE REMOVED IN ITS ENTIRETY, INCLUDING FITTINGS, MOUNTING DEVICES, MOUNTING HARDWARE, ETC. PROVIDE CONDUIT PLUGS AND BLANKS FOR ALL OPENINGS CREATED BY THE REMOVAL OF THE CONDUIT. PROVIDE BLANK COVER PLATES FOR ALL OPENED OUTLET BOXES CREATED BY THE REMOVAL OF THE EQUIPMENT AND/OR DEVICES.

DEMOLISHED MATERIALS: ALL MATERIALS REMOVED UNDER DEMOLITION, NOT TO BE RELOCATED OR DESIGNATED TO BE TURNED OVER TO THE OWNER, SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED COMPLETELY FROM THE SITE.

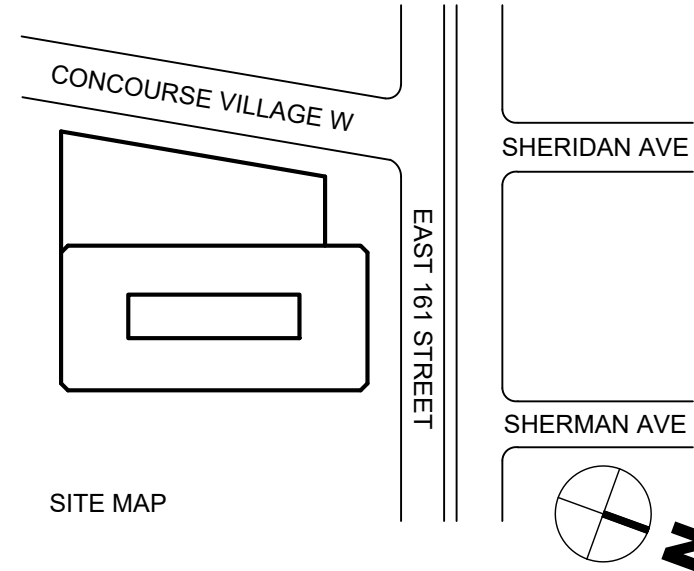
SCHEDULE OUTAGES: ALL WORK AND ALL POWER OUTAGES IN THE EXISTING BUILDING SHALL BE SCHEDULES AT TIMES CONVENIENT TO THE OWNER.

NOTIFICATION: NOTIFY THE OWNER PRIOR TO TURNING OFF ANY CIRCUITS.

EXISTING CIRCUITS: IF DURING THE COURSE OF CONSTRUCTION, IT IS DETERMINED BY THE CONTRACTOR THAT AN EXISTING CIRCUIT BECOMES SPARE, THE CONTRACTOR SHALL UPDATE THE PANELBOARD DIRECTORY TO INDICATE SUCH, EVEN IF IT IS NOT EXPLICITLY MARKED ON THE ELECTRICAL PLANS.

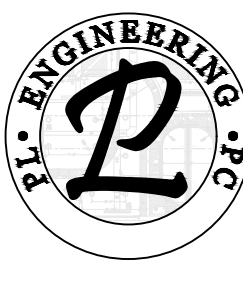
JOB SPECIFIC DEMOLITION NOTES:

- EXISTING SUMP PUMP POWER (RECEPTACLE) TO BE REMOVED. ELECTRICAL CONTRACTOR SHALL REMOVE ALL ASSOCIATED CONDUIT AND WIRING BACK TO ITS ORIGINAL SOURCE (EXISTING PANEL). ELECTRICAL CONTRACTOR SHALL TRACE WIRES BEFORE DEMOLITION.
- EXISTING INCANDESCENT ONE-PIECE PORCELAIN LAMPHOLDER LIGHT FIXTURE TO BE REMOVED. ELECTRICAL CONTRACTOR SHALL REMOVE ALL ASSOCIATED CONDUIT AND WIRING BACK TO ITS ORIGINAL SOURCE (EXISTING PANEL). ELECTRICAL CONTRACTOR SHALL TRACE WIRES BEFORE DEMOLITION.
- EXISTING DUPLEX RECEPTACLE TO BE REMOVED. ELECTRICAL CONTRACTOR SHALL REMOVE ALL ASSOCIATED CONDUIT AND WIRING BACK TO ITS ORIGINAL SOURCE (EXISTING PANEL). ELECTRICAL CONTRACTOR SHALL TRACE WIRES BEFORE DEMOLITION.
- DISCONNECT AND REMOVE EXISTING ELECTRICAL CONNECTIONS TO ABANDONED EQUIPMENT AND DEVICES IN ELEVATOR PIT AS PER NEW WORK LAYOUT. COORDINATE DISCONNECTION WITH ELEVATOR CONTRACTOR AND ARCHITECTURAL DEMOLITION DRAWINGS. REMOVE BRANCH CIRCUITRY (WIRING) AND CONDUIT AND DISCARD. PROVIDE BLANK COVER PLATES FOR BOXES DISCONNECT AND REMOVE EXISTING ELECTRICAL CONNECTIONS TO EXISTING ELEVATOR EQUIPMENT WHICH IS TO BE REMOVED. COORDINATE DISCONNECTION WITH ELEVATOR CONTRACTOR. REMOVE CIRCUITRY (WIRING) AND CONDUIT BACK TO PANEL AND DISCARD.
DISCONNECT AND REMOVE ELECTRICAL DEVICE(S) WHICH WILL INTERFERE WITH THE DEMOLITION AND REMOVAL OF ELEVATOR AND DEVICES AS DESCRIBED IN THE ARCHITECTURAL DEMOLITION PLANS. REMOVE EXISTING CIRCUITRY (WIRING) AND CONDUIT AND RELOCATE EXISTING CIRCUITRY (WIRING), CONDUIT AND DEVICES AS REQUIRED BY ELEVATOR CONTRACTOR AND NEW ELEVATOR LAYOUT.
 - ALL FIELD CONDITION ARE TO BE VERIFIED BEFORE COMMENCEMENT OF DEMOLITION WORK BY ELECTRICAL CONTRACTOR.
 - ELECTRICAL CONTRACTOR WILL BE HELD STRICTLY RESPONSIBLE FOR ALL ELECTRICAL DIMOLITION WORK. ANY DISCREPANCIES, SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER.
 - NO ELEVATORS DEMOLITION WORK SHALL COMMENCE UNTIL PHASING SCHEDULE HAS BEEN APPROVED BY BUILDING OWNER AND NYC DCAS.
 - ELECTRICAL CONTRACTOR SHALL CHECK ALL EXISTING CONDITIONS AND DIMENSIONS AT THE SITE BEFORE COMMENCEMENT OF DEMOLITION WORK.
- EXISTING THROUGH-THE-WALL AIR CONDITIONER 6-20 RECEPTACLE TO BE REMOVED. ELECTRICAL CONTRACTOR SHALL REMOVE ALL ASSOCIATED CONDUIT AND WIRING BACK TO ITS ORIGINAL SOURCE (EXISTING PANEL 'LMR'). ELECTRICAL CONTRACTOR SHALL TRACE WIRES BEFORE DEMOLITION.
- EXISTING 1'x4" SUSPENDED FLUORESCENT LIGHT FIXTURE TO BE REMOVED. ELECTRICAL CONTRACTOR SHALL REMOVE ALL ASSOCIATED CONDUIT AND WIRING BACK TO ITS ORIGINAL SOURCE (EXISTING PANEL). ELECTRICAL CONTRACTOR SHALL TRACE WIRES BEFORE DEMOLITION.
- EXISTING LIGHT SWITCH TO BE REMOVED. ELECTRICAL CONTRACTOR SHALL REMOVE ALL ASSOCIATED CONDUIT AND WIRING BACK TO ITS ORIGINAL SOURCE (EXISTING PANEL AND DEMO LIGHTS). ELECTRICAL CONTRACTOR SHALL TRACE WIRES BEFORE DEMOLITION.
- EXISTING POWER AND CONDUIT FOR EXHAUST FAN TO BE REMOVED. ELECTRICAL CONTRACTOR SHALL REMOVE ALL ASSOCIATED WIRING BACK TO ITS ORIGINAL SOURCE (EXISTING PANEL). ELECTRICAL CONTRACTOR SHALL TRACE WIRES BEFORE DEMOLITION.
- EXISTING ELEVATOR CONTROL PANEL POWER AND CONDUIT TO BE REMOVED. ELECTRICAL CONTRACTOR SHALL REMOVE ALL ASSOCIATED WIRING BACK TO ITS ORIGINAL SOURCE (EXISTING PANELBOARD 'PPEL' AND DEVICES). ELECTRICAL CONTRACTOR SHALL TRACE WIRES BEFORE DEMOLITION.
- EXISTING ELEVATOR MOTOR POWER AND CONDUIT TO BE REMOVED. ELECTRICAL CONTRACTOR SHALL REMOVE ALL ASSOCIATED WIRING BACK TO ITS ORIGINAL SOURCE (DEMO ELEVATOR CONTROL PANEL AND DEVICES). ELECTRICAL CONTRACTOR SHALL TRACE WIRES BEFORE DEMOLITION.
- EXISTING ELEVATOR GOVERNOR FEEDER AND CONDUIT TO BE REMOVED. ELECTRICAL CONTRACTOR SHALL REMOVE ALL ASSOCIATED WIRING BACK TO ITS ORIGINAL SOURCE (DEVICES). ELECTRICAL CONTRACTOR SHALL TRACE WIRES BEFORE DEMOLITION.
- EXISTING ELEVATORS WIREWAY TO BE REMOVED, ELECTRICAL CONTRACTOR SHALL REMOVE ALL ASSOCIATED WIRING BACK TO ITS ORIGINAL SOURCE (DEVICES). ELECTRICAL CONTRACTOR SHALL TRACE WIRES BEFORE DEMOLITION.
- EXISTING DUPLEX RECEPTACLE AND ELECTRICAL BOX RECEPTACLE COVER TO BE REMOVED AND REPLACED WITH NEW DUPLEX GROUND FAULT INTERRUPTER RECEPTACLE. ALL ASSOCIATED WIRING TO REMAIN.
- EXISTING (3) 250 AMP FUSED FEEDING EXISTING PANELBOARD 'PPEL' TO BE REMOVED AND REPLACED WITH NEW 400 AMP FUSED. NEW WIRES AND CONDUITS TO BE INSTALLED BEFORE COMMENCE ON REPLACEMENT OF FUSES.
- EXISTING PANELBOARD 'PPEL' FEEDER (4# 250 kcmil / GROUND WIRE AND 3" CONDUIT) TO BE REMOVED AND REPLACED WITH NEW 4# 600 kcmil PLUS 1# 3 AWG FOR GROUND. NEW WIRES AND CONDUITS TO BE INSTALLED BEFORE COMMENCE OF DEMOLITION ON EXISTING FEEDER. CONNECTION TO EXISTING PANELBOARDS WITH MINIMUM INTERFERENCE TO EXISTING ELEVATORS. ELECTRICAL CONTRACTOR SHALL VERIFY FEEDER WIRES DESIGNATION IN EXISTING PANELBOARDS AT THE SITE.
- EXISTING PANELBOARD 'PPEL' FEEDER AND FUSES TO BE UPGRADED. THIS WORK TO BE DONE WITH MINIMUM INTERFERENCE TO EXISTING ELEVATORS.
- EXISTING CUMMINS/ONAN 300KW/375KVA GENERATOR AND CONTROLS NEED TO BE REPAIRED AND REFURBISHED. ELECTRICAL CONTRACTOR SHALL OBTAIN THE SERVICE OF CUMMINS/ONAN GENERATOR MANUFACTURER ENGINEER AND REPAIR TECHNICIAN SERVICES FOR ASSISTANCE TO REPAIR AND REFURBISH EXISTING GENERATOR AND CONTROLS.



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Revision / Issue	Approved	Reviewed	Date	No.

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**NYC
DCAS
Citywide
Administrative
Services**
Address: 1 Center Street, New York, NY 10007

Project: 198 E161 Street - Elevators Modernization
Address: 198 E161 Street, Bronx, NY 10451

Sponsor Agency:
Sponsor Address:

**Liro Architects + Planners, P.C.**
State Street, 28th Fl, New York, NY 10004

Drawing Title:

ELECTRICAL BULKHEAD POWER & LIGHTING DEMOLITION PLAN

Seal:	Contract #: 20205400631 Project #: PW77198EV PL21041 Drawn by: RR Checked by: PL Date: 04/29/2022
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DWG. 3 OF 12

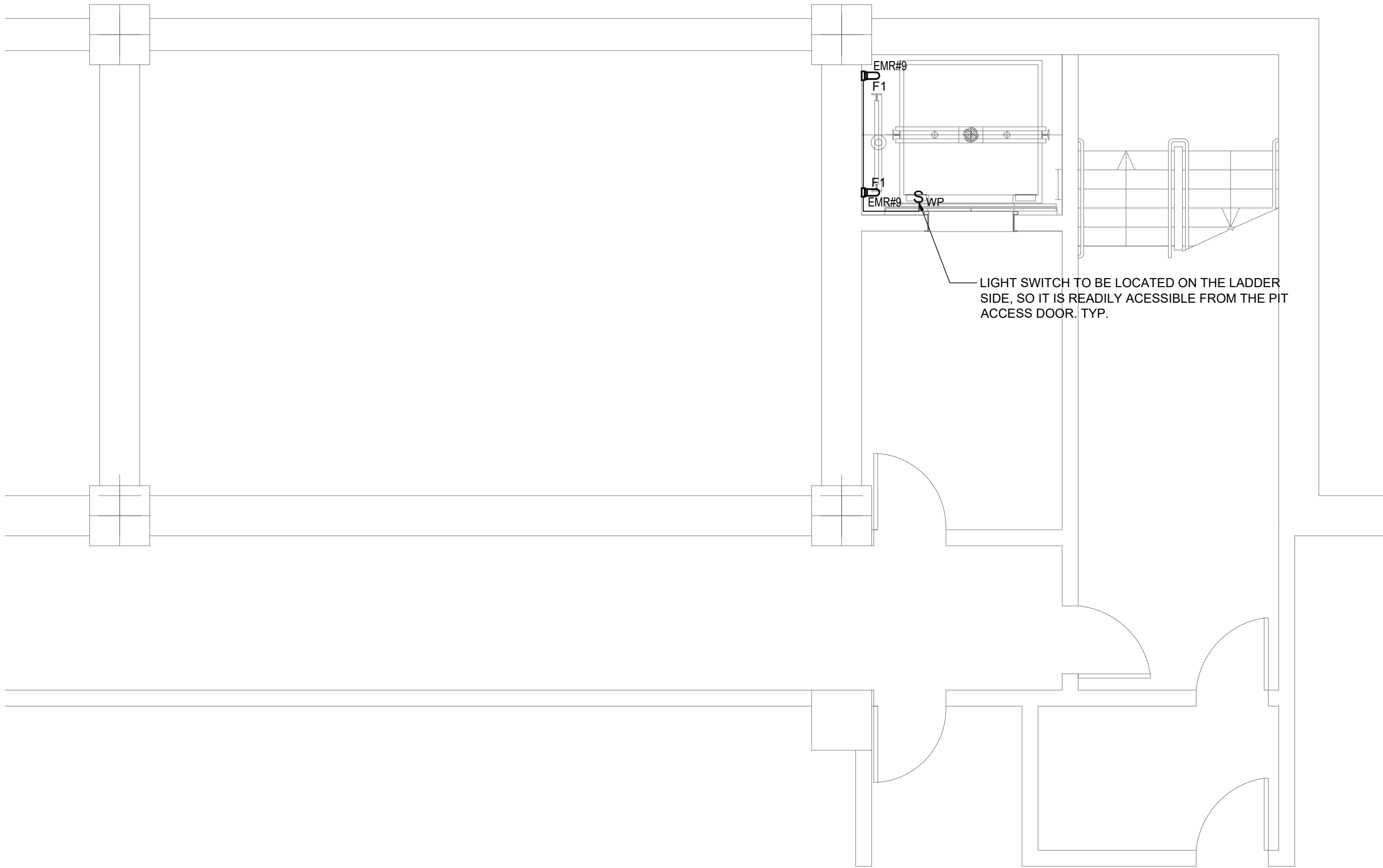
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DOB APPROVAL STAMP

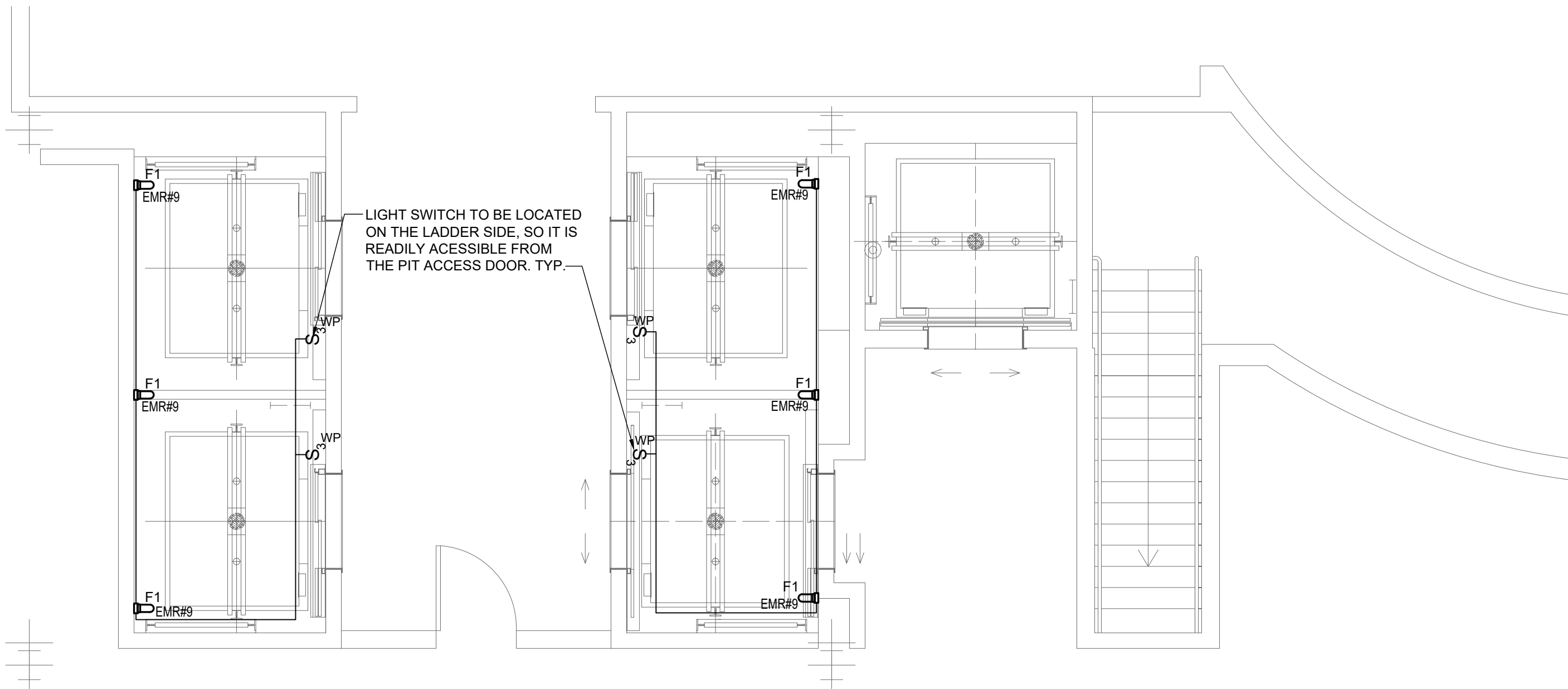
3. ALL WORK REQUIRING AN ELECTRICAL SHUTDOWN WHICH WILL AFFECT OTHER FLOORS OF THE BUILDING OR EVEN AFFECT THE NORMAL CONTINUATION OF CONSTRUCTION WORK ON THIS FLOOR SHALL BE DONE ON OVERTIME HOURS (NIGHT OR WEEKENDS). MAINTAIN CONTINUITY OF ELECTRICAL SERVICE TO EXISTING SPACES ON THE AFFECTED FLOORS AND ONLY WITH PRIOR WRITTEN NOTIFICATION FROM BUILDING ENGINEER.

DWG. 4 OF 12

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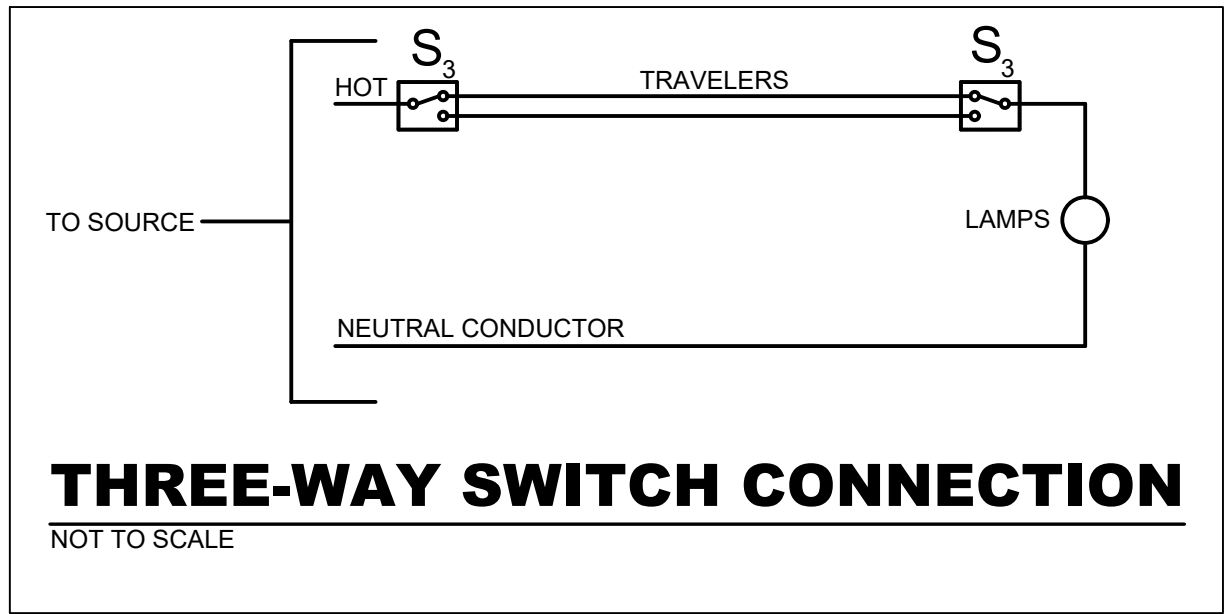
PARTIAL SUB CELLAR (PIT) LIGHTING NEW WORK PLAN
SCALE: 1/4"=1'-0"



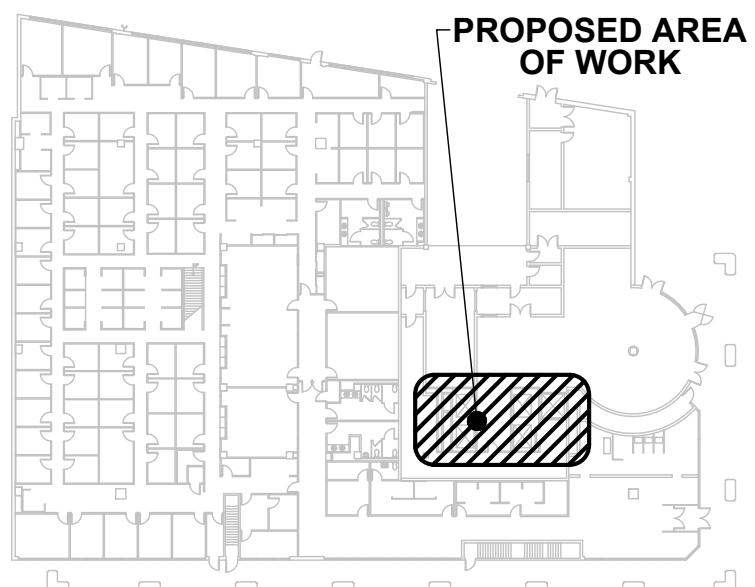
PARTIAL FIRST FLOOR (PIT) LIGHTING NEW WORK PLAN
SCALE: 1/4"=1'-0"

LIGHTING WORK NOTES

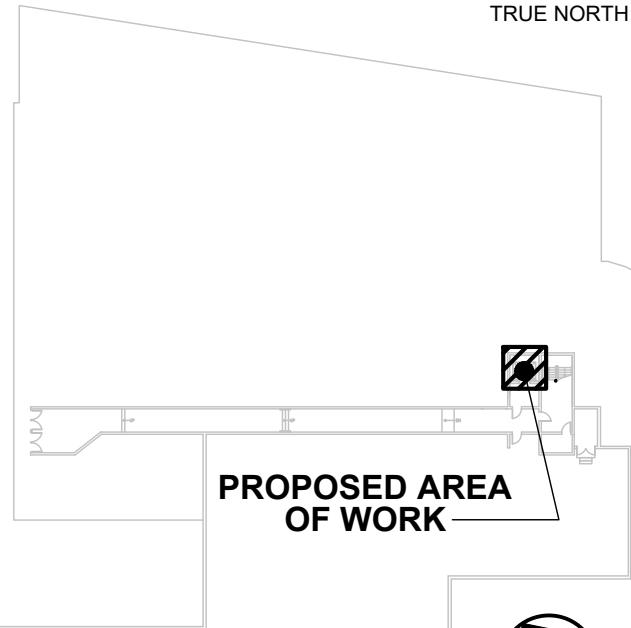
1. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL REQUIRED ELECTRICAL SYSTEMS COMPLETE WITH ALL DEVICES, SUPPORT, CONDUIT, WIRE, LIGHT FIXTURES, KINDORF, ACCESSORIES AND ASSOCIATED WORK FOR SUPPORTING LIGHT FIXTURES IN ACCORDANCE WITH THE EXISTING CEILING CONDITION.
2. ELECTRICAL CONTRACTOR SHALL CHECK AND VERIFY ALL CEILING HEIGHTS AND CEILING CONDITIONS FOR CLEARANCE OF DUCTWORK, LIGHT FIXTURES, ETC., BEFORE PROCEEDING WITH WORK.
3. ALL DIMENSIONS OF LIGHTING FIXTURES ARE GIVEN CENTER LINE TO CENTER LINE, UNLESS OTHERWISE INDICATED. ALL FIXTURES TO ALIGN UNLESS OTHERWISE NOTED (U.O.N.)
4. INSTALLATION SHALL INCLUDE THE FURNISHING AND INSTALLING OF ALL NECESSARY HANGARS, CHANNELS AND SUCH AS MAY BE REQUIRED FOR LIGHTING SUPPORT.
5. ALL SWITCHES TO BE INSTALLED WITH CENTER LINE OF FIRST TOGGLE 6" FROM ADJACENT DOOR OPENING UNLESS OTHERWISE INDICATED. WHEN MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION THEY SHALL BE INSTALLED IN ONE GANGTYPE BOX UNDER ONE COVER PLATE.
6. NEW LIGHT FIXTURES INSTALLATION AND SUPPORT SHALL BE PROVIDE, PERFORM, COMPLETE AND DONE IN A FIRST CLASS MANNER AS APPROVED BY ENGINEER. ALL NEW LIGHT FIXTURES SUPPORT AND CONDUITS SHALL BE NEATLY SECURED IN A WORKMANLIKE MANNER.
7. ALL ELECTRICAL WORK SHALL BE DONE BY LICENSED ELECTRICAL CONTRACTOR.
8. ALL WORK SHALL BE IN ACCOMPLISHED IN STRICT ACCORDANCE OF THE NATIONAL ELECTRICAL CODE AND ALL LOCAL AND STATE CODES IN EFFECT.
9. THE ELECTRICAL CONTRACTOR SHALL FURNISH CATALOG CUTS OF ALL LIGHTING FIXTURES AND WIRING DEVICES TO THE OWNER FOR APPROVAL PRIOR TO PURCHASING ALL LIGHTING FIXTURES AND WIRING DEVICES SHALL BE EQUAL TO, OR AS SPECIFIED ON THESE PLANS.
10. ALL WIRING SHALL BE IN CONDUIT, NO ROMEX OR AC CABLE. FLEXIBLE METALLIC CONDUIT SHALL BE PERMITTED FOR SHORT FINAL CONNECTIONS TO LIGHTING FIXTURES AND EQUIPMENT.
11. ALL COPPER WIRING "COPPER" TYPE THWN, MINIMUM WIRE SIZE SHALL BE NUMBER 12 AWG.
12. ALL WIRING DEVICES, WIRE, ELECTRICAL EQUIPMENT, LIGHTING FIXTURES, ETC. SHALL BE U.L. APPROVED AND COMMERCIAL GRADE.
13. THE ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BIDDING TO ASCERTAIN ALL CONDITIONS WHICH COULD AFFECT THE INSTALLATION OF HIS WORK. NO EXTRA COMPENSATION WILL BE ALLOWED FOR FAILURE TO DO SO.
14. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK SHOWN ON THE DRAWINGS AND ALL WORK AND MATERIALS REQUIRED FOR THE COMPLETE AND PROPER INSTALLATION OF HIS TRADE.
15. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL TEMPORARY LIGHTING AND POWER AS REQUIRED FOR THE PROJECT.
16. ELECTRICAL CONTRACTOR SHALL REMOVE ALL UNUSED CONDUIT AND CABLE COMPLETELY IN AREAS OF WORK.
17. 'EM' INDICATES THAT FIXTURE SHALL BE SUPPLIED WITH INTEGRAL OR REMOTE EMERGENCY BATTERY BALLAST, BATTERY CHARGER, INDICATOR LAMP AND TEST SWITCH. WHERE EMERGENCY BATTERY BALLAST MUST BE REMOTE MOUNTED.
18. FOR ALL EMERGENCY BATTERY BACK UP Fixture WHICH ARE CONTROLLED BY A LIGHT SWITCH OR ASCO SWITCH, PROVIDE ADDITIONAL UNSWITCHED HOT LEG.
19. ALL LIGHTING MUST BE BID PER PLANS AND SPECIFICATIONS.
20. ANY SUBSTITUTES OR ALTERNATES MUST BE REVIEWED AND PRE-APPROVED BY THE OWNER AND ENGINEER AT LEAST 10 WORKING DAYS BEFORE BID DATE.
21. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL LIGHTING FIXTURES WITH LED INCLUDING ALL NECESSARY HARDWARE AND FITTINGS FOR MOUNTING AND ASSEMBLY IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.



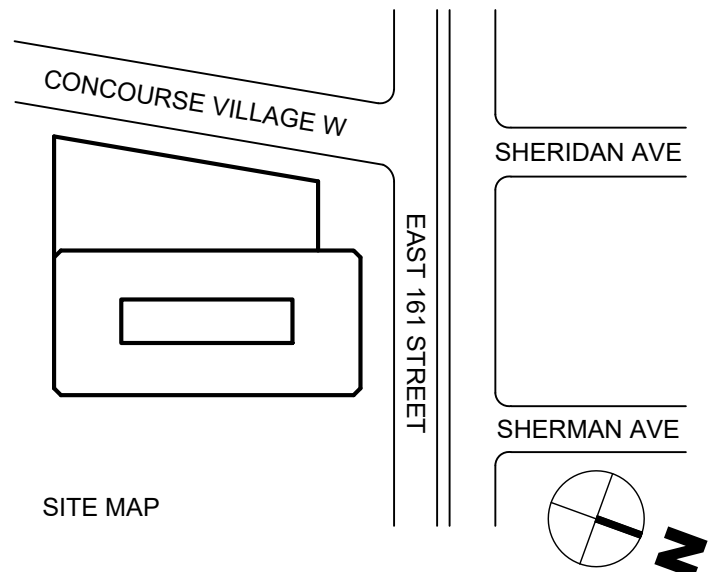
LIGHTING FIXTURE SCHEDULE								
TYPE	SYMBOL	IMAGE	DESCRIPTION	LOCATION	MANUFACTURER / CATALOG NO.	VOLTAGE	CONTROLLED BY	NOTES
F1			NEW UTILITY WALL MOUNTED LED LIGHT FIXTURE. LED GLOBE & GUARD LIGHTING FOR HARSH ENVIRONMENTS	IN ELEVATOR PIT	RIG-A-LITE LIGHTING CATALOG #AVP-20L2-U-HF-G-W	120V	LIGHT SWITCH	LIGHT SWITCH TO BE LOCATED ON THE LADDER SIDE, SO IT IS READILY ACCESSIBLE FROM THE PIT ACCESS DOOR.
F2			NEW PENDANT MOUNTED 1' X 4' LED LIGHT FIXTURE. COMMERCIAL LINEAR DIFFUSED CHANNEL LED WITH ROUND LENS WITH 72" CHAIN WITH V-HOOKS HANG KIT.	ELEVATOR MACHINE ROOM	LUMAX LIGHTING. LUMAX INDUSTRIES INC CATALOG #CLDLED-43L-4K-46-9-FAR-SA3017 HANG KIT	120-277V	LIGHT SWITCH	
F2			SAME AS ABOVE. EMERGENCY LIGHT FIXTURE. PENDANT MOUNTED 1' X 4' LED LIGHT FIXTURE. 'EM' INDICATES EMERGENCY FIXTURE.	ELEVATOR MACHINE ROOM	SAME AS ABOVE EXCEPT FURNISHED WITH EMERGENCY BATTERY PACK (EMERGENCY BALLAST). LUMAX LIGHTING. LUMAX INDUSTRIES INC CATALOG #CLDLED-43L-4K-46-9-FAR-EM2ST-SA3017 HANG KIT	120-277V	PROVIDE ADDITIONAL UNSWITCHED HOT LEG.	EMERGENCY LIGHTING IS PROVIDED VIA INTEGRAL EMERGENCY PACKS. FURNISH A NON-SWITCHED HOT LEG TO THE EMERGENCY PACK. EMERGENCY PACK SHALL PRODUCE NOT LESS THAN 1400 LUMENS AND SHALL BE SIMILAR TO LIGHTALARMS. AM-10



FIRST FLOOR KEY PLAN



SUB CELLAR KEY PLAN



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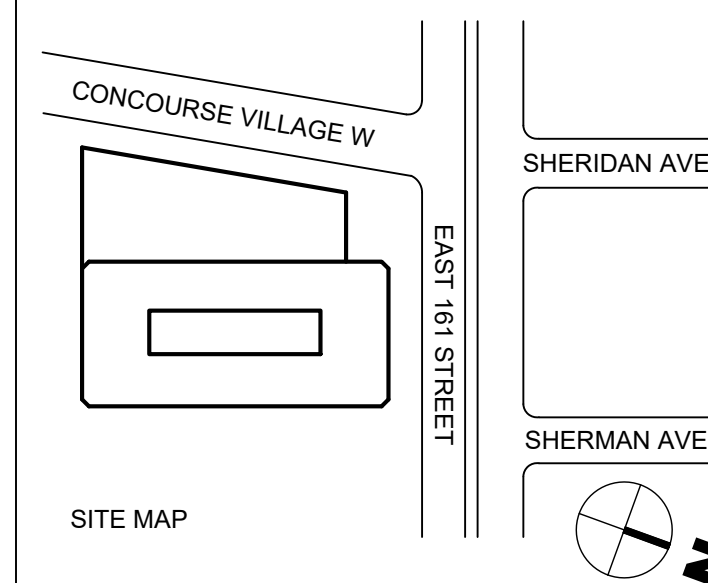
Project: 198 E161 Street - Elevators Modernization
Address: 198 E161 Street, Bronx, NY 10451

Sponsor Agency:
Sponsor Address:

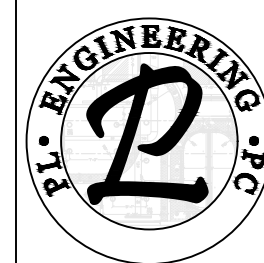
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State Street, 28th Fl, New York, NY 10004

Drawing Title:
ELECTRICAL SUB CELLAR (PIT) AND FIRST FLOOR (PIT) LIGHTING NEW WORK PLANS

Seal:
Contract #: 20205400631
Project #: PW77198EV PL21041
Drawn by: RR
Checked by: PL
Date: 04/29/2022

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SUB-CONSULTANT:



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State Street, 28th Fl, New York, NY 10004

	Drawing Title
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BULKHEAD LIGHTING NEW WORK PLAN

Seal:

Contract #:	20205400631
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Project #:	PW77198EV PL21041
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Drawn by: R

Checked by:	P
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Date: 04/29/20

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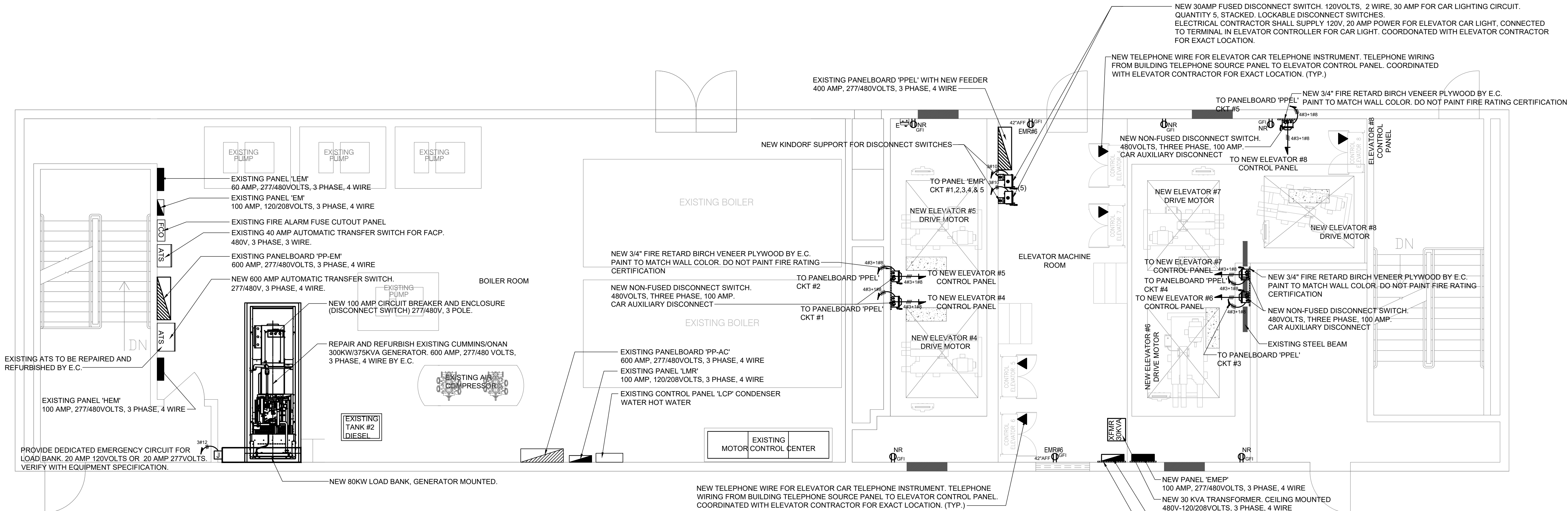
DWG. 6 OF 12

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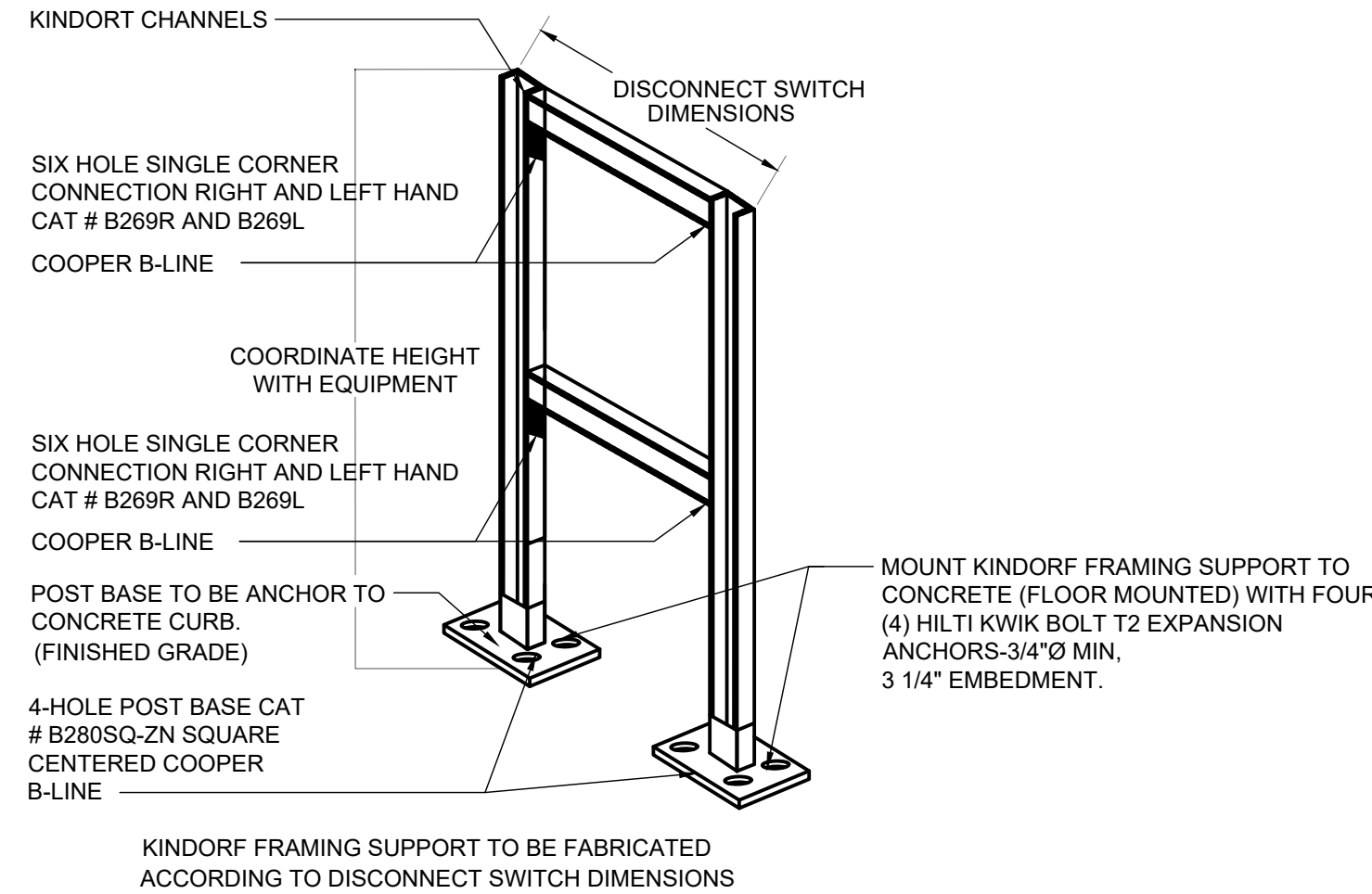
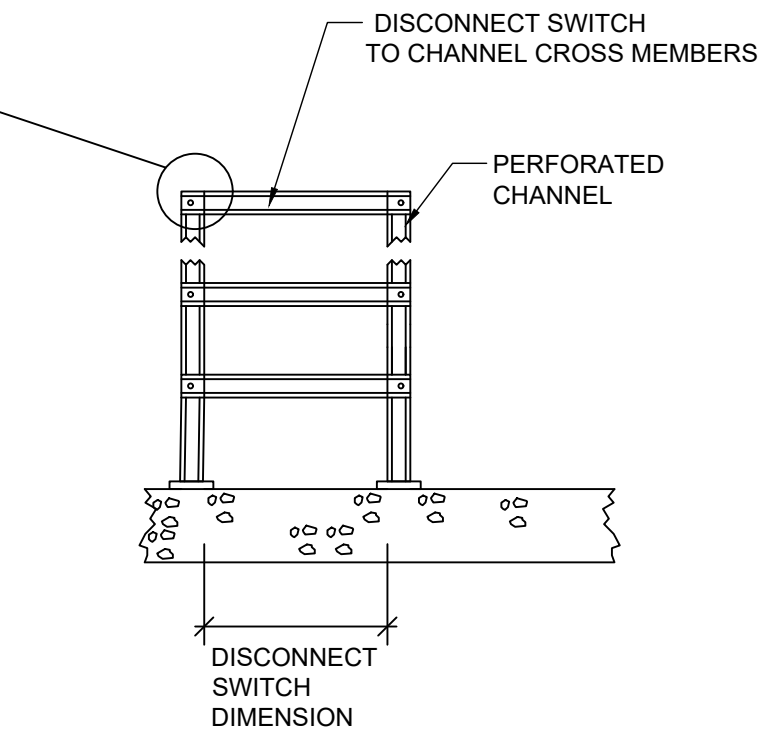
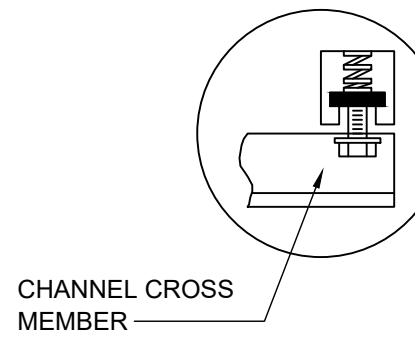
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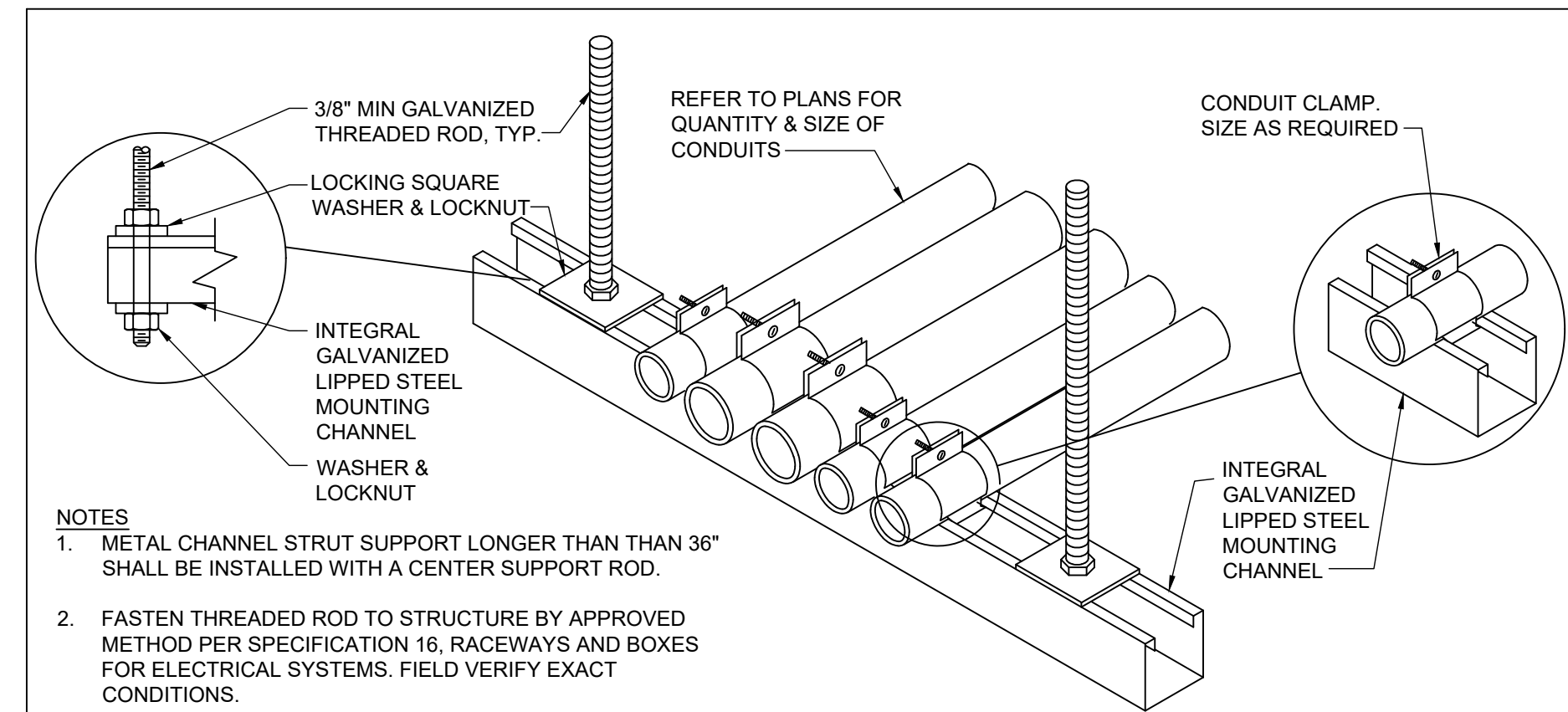
BULKHEAD POWER NEW WORK PLAN
SCALE: 1/4"=1'-0"

KINDORF LEGEND	
DESCRIPTION	MANUFACTURER/ MODEL
KINDORF CHANNELS	COOPER B-LINE CAT #B22
SIX HOLE SINGLE CORNER CONNECTOR	COOPER B-LINE CAT #B269R AND B269L

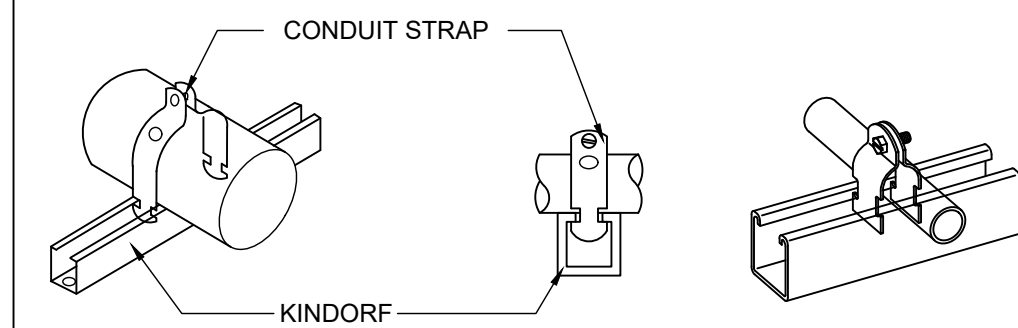


ELECTRICAL MOUNTING CHANNEL DETAIL
NOT TO SCALE

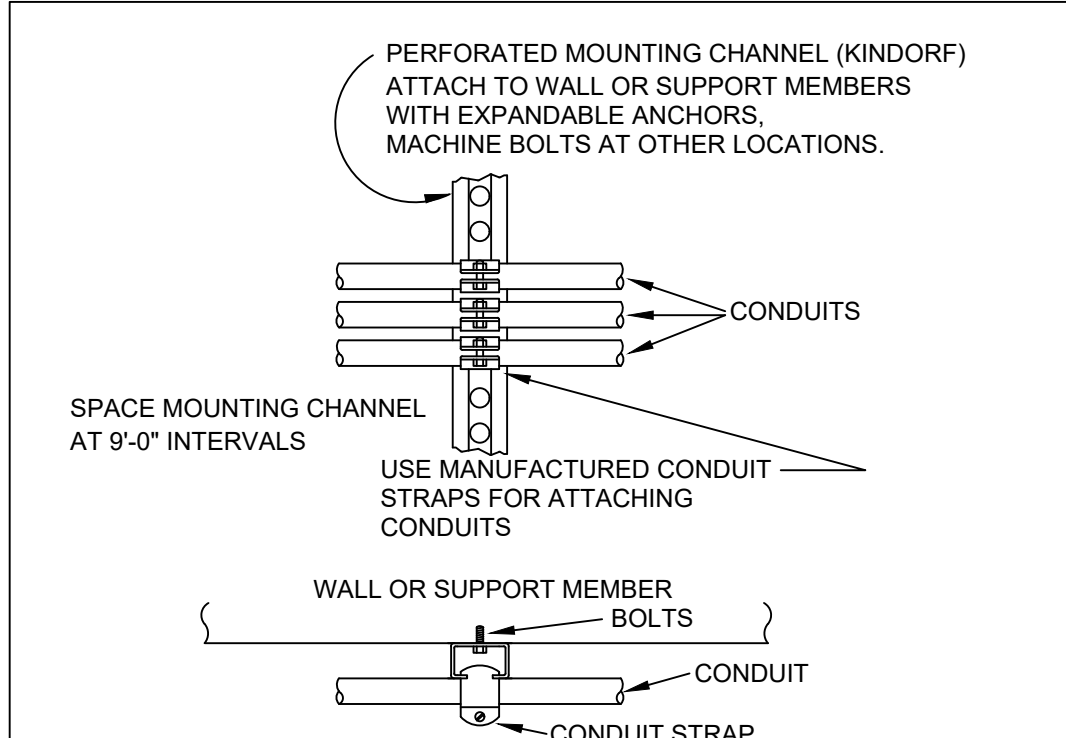
KINDORF FRAMING SUPPORT FOR DISCONNECT SWITCH DETAIL
NOT TO SCALE
SUPPORTS WILL BE REQUIRED FOR EACH DISCONNECTS.



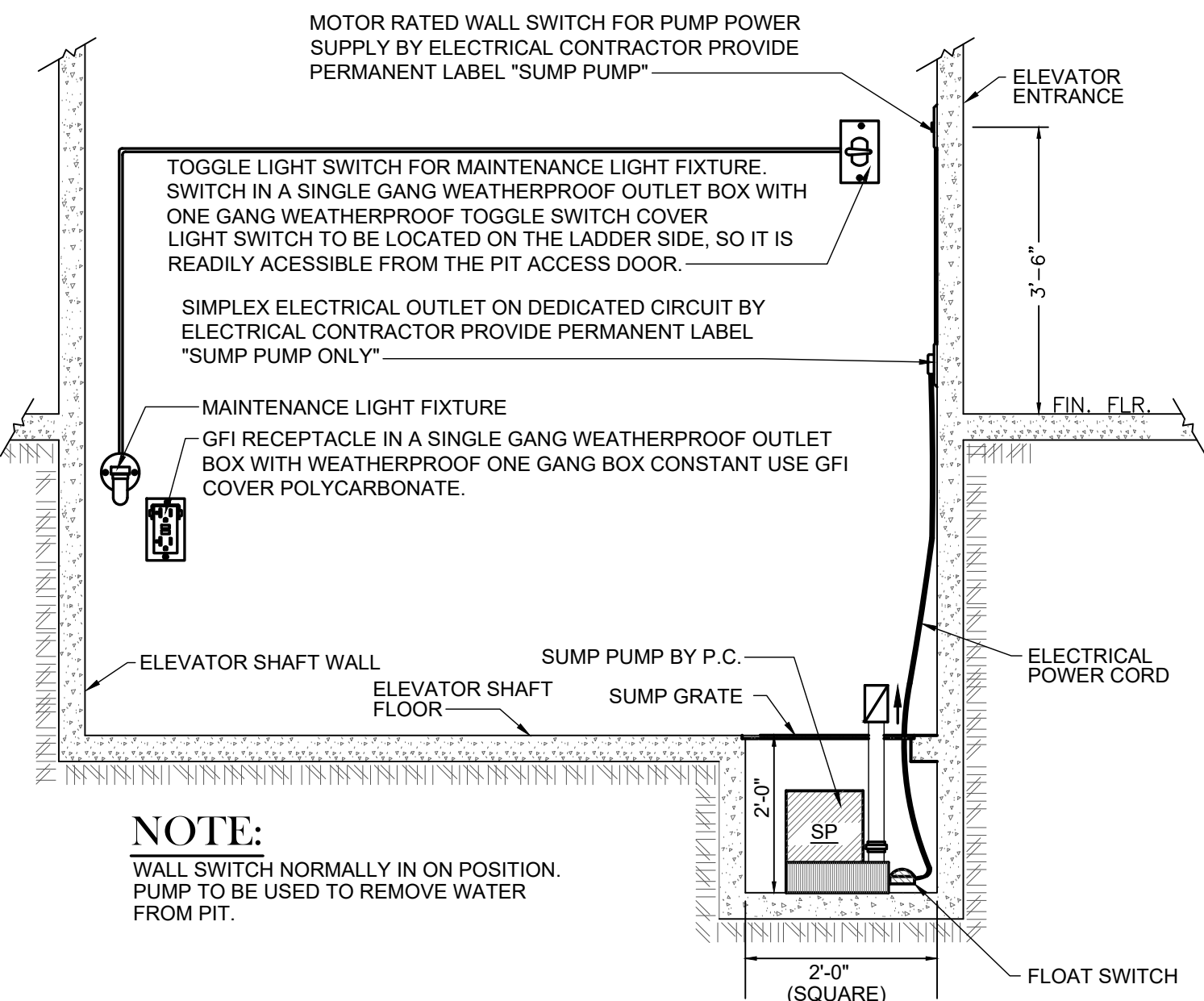
CONDUIT TRAPEZE MOUNTING DETAIL
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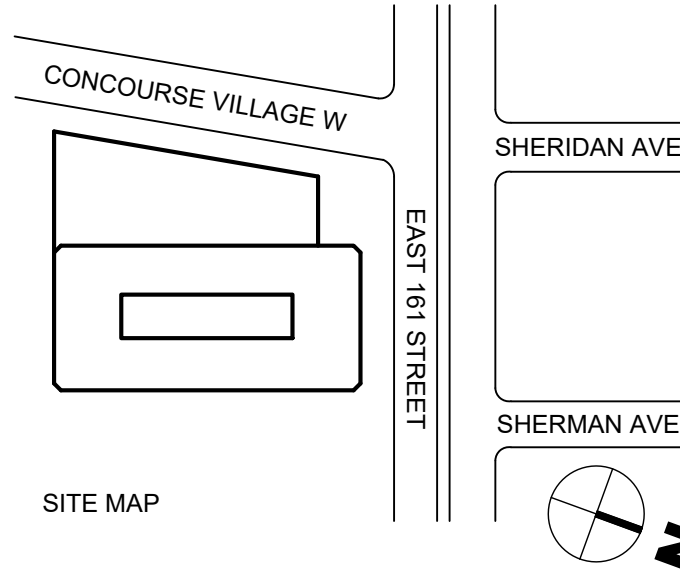
CONDUIT SUPPORT DETAIL
NOT TO SCALE



CONDUIT MOUNTING DETAIL
NOT TO SCALE
USE IN AREAS WHERE TWO OR MORE CONDUITS RUN PARALLEL



ELEVATOR PIT SUMP PUMP, RECEPTACLE AND LIGHT DETAIL
NOT TO SCALE



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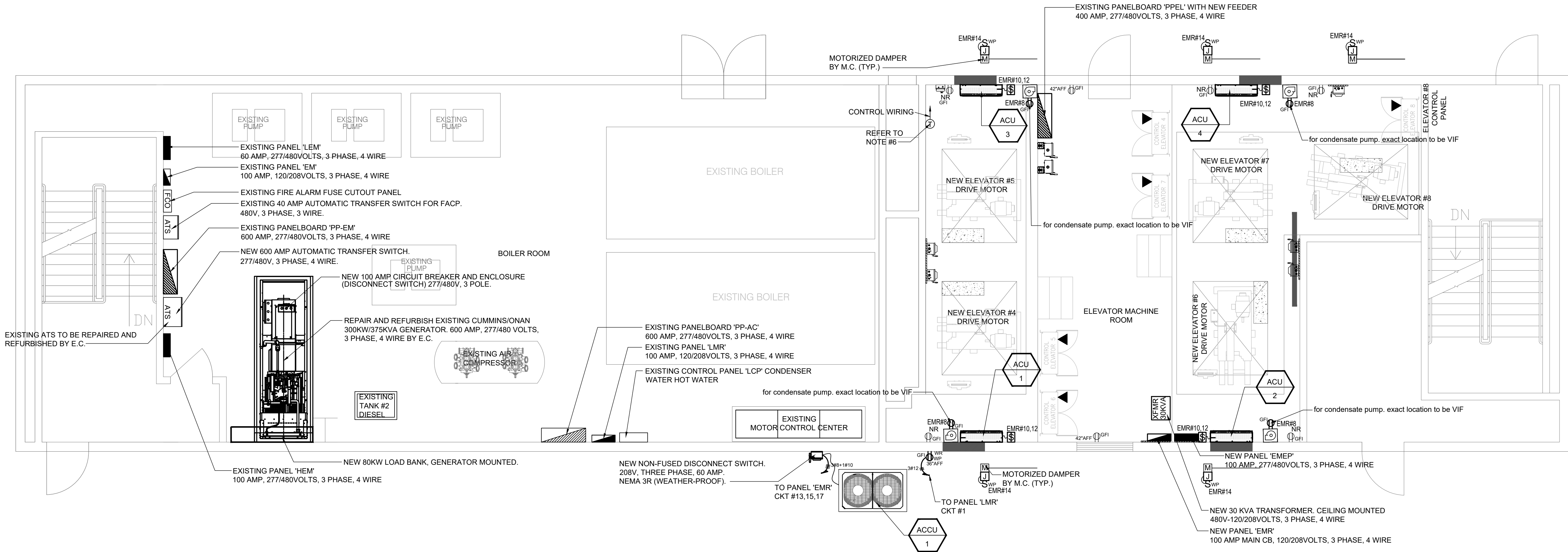
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ELECTRICAL BULKHEAD POWER NEW WORK PLAN

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DWG. 8 OF 12

Mar 18, 2023 1:22pm P:\11004\PL21041 The Lirio Group regenerative elevator systems\Workfiles\Electrical\2023\03-18-2023\PL21041 E-401.00.dwg
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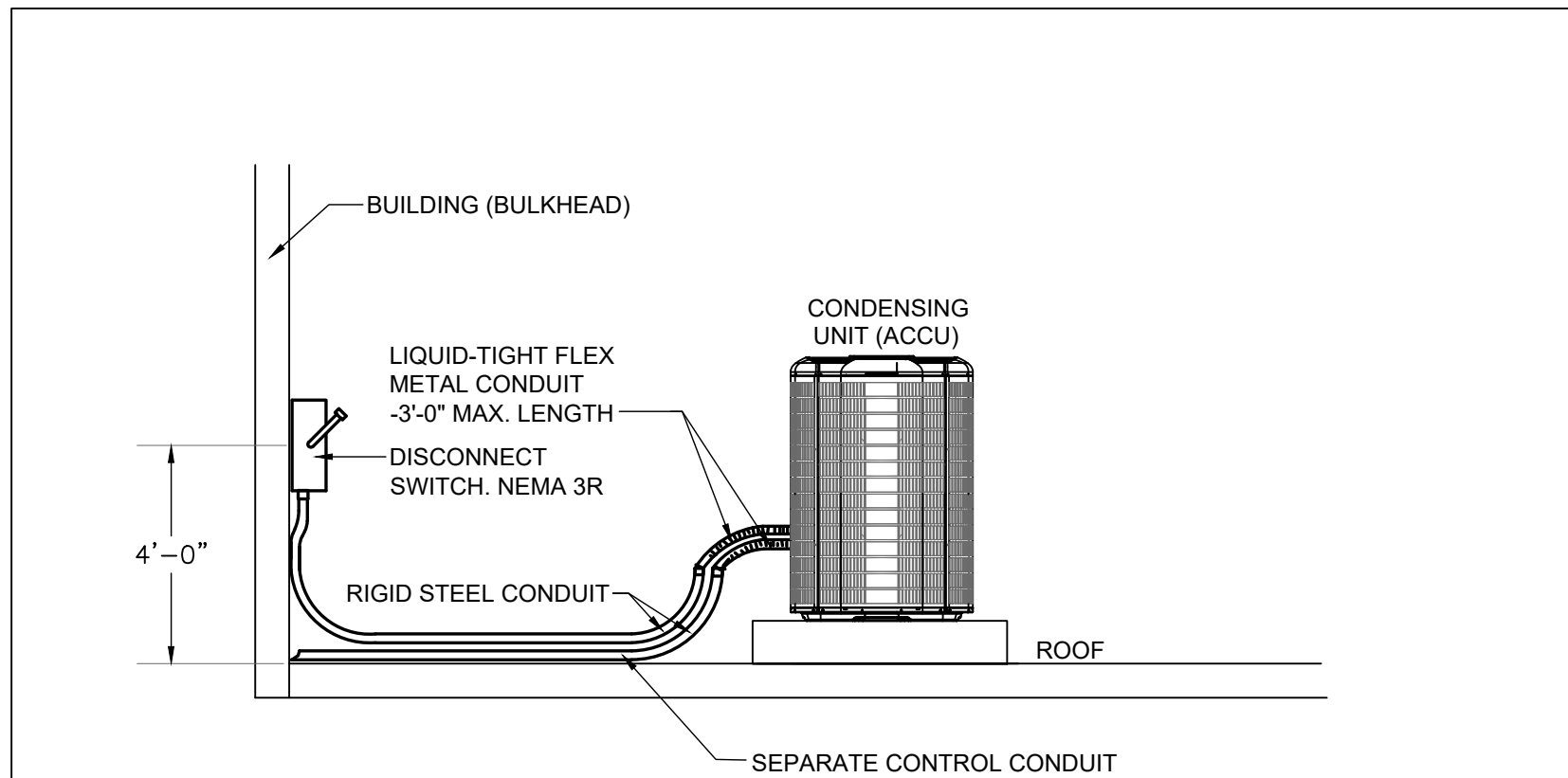


BULKHEAD HVAC POWER NEW WORK PLAN
SCALE: 1/4"=1'-0"

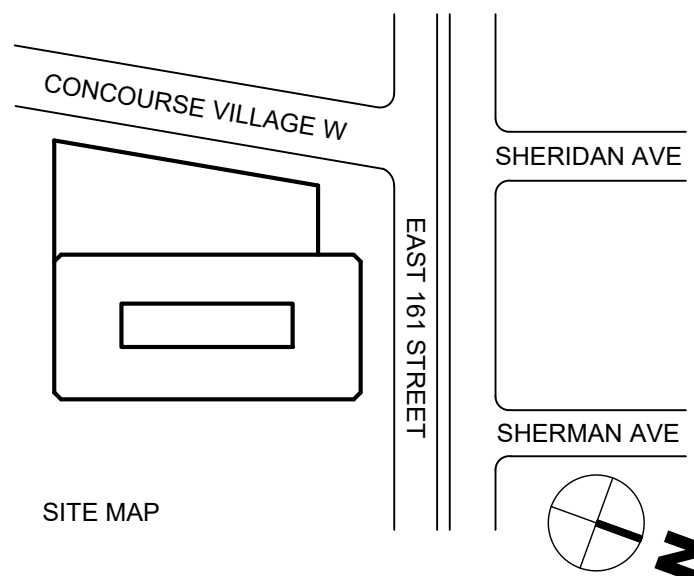
**MECHANICAL EQUIPMENT
POWER NOTES:**

1. THE INTENTION OF THIS DRAWING IS TO SHOW THE LAYOUT OF MECHANICAL EQUIPMENT AND RESPECTIVE ELECTRICAL CONNECTIONS WITH ASSOCIATED DEVICES. FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL MECHANICAL EQUIPMENT AND RESPECTIVE CONTROLS REFER TO MECHANICAL DRAWINGS. USE THIS DRAWING FOR CIRCUITING PURPOSES ONLY.
 2. HVAC EQUIPMENT POWER WIRING NOT SHOW ON THE ELECTRICAL DRAWING ASSOCIATED CONTROL WIRING, NOT SHOW SHALL BE PROVIDE IN ACCORDANCE WITH THE HVAC EQUIPMENT MANUFACTURER'S SPECIFICATIONS.
 3. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION OF ALL EQUIPMENT.
 4. DISCONNECT SWITCHES FOR ACCU SHALL BE IN WEATHERPROOF ENCLOSURES AND SHALL BE 3 PHASE NON-FUSED DISCONNECT. COORDINATE WITH MECHANICAL CONTRACTOR.
 5. FURNISH AND INSTALL FEEDER WIRING AND DISCONNECT SWITCHES FOR ALL HVAC EQUIPMENT.
 6. FURNISH AND INSTALL CONTROL WIRING FOR THE ABOVE EQUIPMENT. WIRING DIAGRAM FOR EQUIPMENT TO BE OBTAINED FROM THE HVAC CONTRACTOR.
 7. FINAL LOCATION AND SPECIFICS TO BE COORDINATED WITH HVAC CONTRACTOR.
 8. WIRE SUCH ELECTRICAL POWER EQUIPMENT IN ACCORDANCE WITH APPROVED SHOP DRAWINGS AND MANUFACTURERS WIRING DIAGRAMS.
 9. ELECTRICAL CONTRACTOR SHALL PROVIDE POWER FOR MOTORIZED DAMPER FOR MECHANICAL EQUIPMENT. LOW VOLTAGE TRANSFORMER SUPPLY AND INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION. FEED FROM PANEL 'EMR'. MAXIMUM OF TEN (10) MOTORIZED DAMPERS PER CIRCUIT.
 10. WIRING FOR ALL MOTORIZED DAMPER CONTROLS AND INTERLOCKS SHALL BE DONE BY THE ELECTRICAL CONTRACTOR.
- FURNISHING OF COMPLETE WIRING DIAGRAMS SHOWING POWER WIRING AND INTERLOCK WIRING SHALL BE WORK UNDER THE TRADE SUPPLYING THE EQUIPMENT (MECHANICAL CONTRACTOR). DIAGRAMS SHALL BE BASED ON APPROVED EQUIPMENT.

SEQUENCE OF OPERATION
DURING HOURS OF OPERATION, MOTORIZED DAMPER SHALL BE CLOSED. UPON LOSS OF POWER, UPON ACTIVATION OF A MANUAL OVERRIDE CONTROL, OR SIGNAL RECEIVED FROM SMOKE DETECTOR LOCATED IN THE TOP OF THE HOISTWAY MOTORIZED DAMPER SHALL OPEN.



CONDENSING UNIT (ACCU) CONDUIT DETAIL
NO SCALE



ISSUED FOR BID	-	-	03.20.2026	-
Revision / Issue	Approved	Reviewed	Date	No.
SUB-CONSULTANT:				

PL Engineering P.C.
486 Sunrise Highway, Suite 100B
Rockville Centre, NY 11570
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email:info@plengineering.net

NYC DCAS
Citywide Administrative Services
Address: 1 Center Street, New York, NY 10007

Project: 198 E161 Street - Elevators Modernization
Address: 198 E161 Street, Bronx, NY 10451

Sponsor Agency:
Sponsor Address:

Liro Architects + Planners, P.C.
State Street, 28th Fl, New York, NY 10004

Drawing Title:
**ELECTRICAL BULKHEAD HVAC
POWER NEW WORK PLAN**

Seal:	Contract #: 20205400631 Project #: PW77198EV PL21041 Drawn by: RR Checked by: PL Date: 04/29/2022
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E-402.00
DWG. 9 OF 12

This plan is 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.
DOB APPROVAL STAMP

1. ELECTRICAL CONTRACTOR SHALL NOT INTERRUPT ANY OF THE SERVICES OF THE EXISTING BUILDING, EXISTING ELEVATORS NOR INTERFERE WITH THE SERVICES IN ANY WAY WITHOUT THE EXPRESSED PERMISSION OF BUILDING ENGINEER. SUCH INTERRUPTIONS AND INTERFERENCES MUST BE MADE AS BRIEF AS POSSIBLE AND ONLY AT THE TIME AGREED TO BY BUILDING ENGINEER.
2. WHERE THE WORK MAKES TEMPORARY SHUTDOWNS OF SERVICES UNAVOIDABLE, THEY SHALL BE MADE AT TIMES AS WILL CAUSE THE LEAST INTERFERENCE WITH THE ESTABLISHED OPERATING ROUTINE OF THE BUILDING. ELECTRICAL WORK REQUIRED DURING ELEVATORS SHUTDOWN MUST BE IDENTIFIED.
3. THIS CONTRACTOR SHALL GIVE 72 HOUR NOTICE IN ADVANCE TO BUILDING ENGINEER OF ANY REQUESTED SHUTDOWNS.
4. THIS CONTRACTOR SHALL ARRANGE THE WORK CONTINUOUSLY TO ASSURE THAT SERVICES WILL BE SHUTDOWN AND RECONNECTED ONLY DURING THE TIME ACTUALLY REQUIRED TO MAKE THE NECESSARY CONNECTIONS TO NEW WORK.
5. TO INSURE CONTINUOUS OPERATION, MAKE ALL NECESSARY TEMPORARY CONNECTIONS BETWEEN NEW AND EXISTING WORK. ALL COSTS RESULTING FROM TEMPORARY SHUTDOWNS BORNE BY THIS CONTRACTOR.

SITE MA



NOT TO SCALE

DOB APPROVAL STAMP

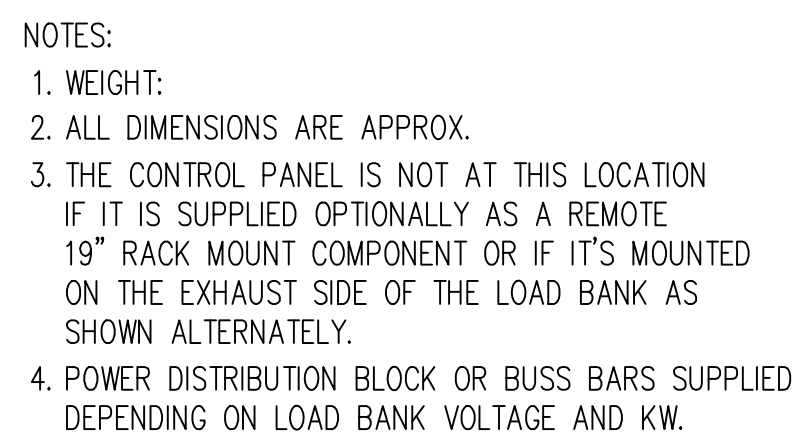
DWG. 10 OF 12



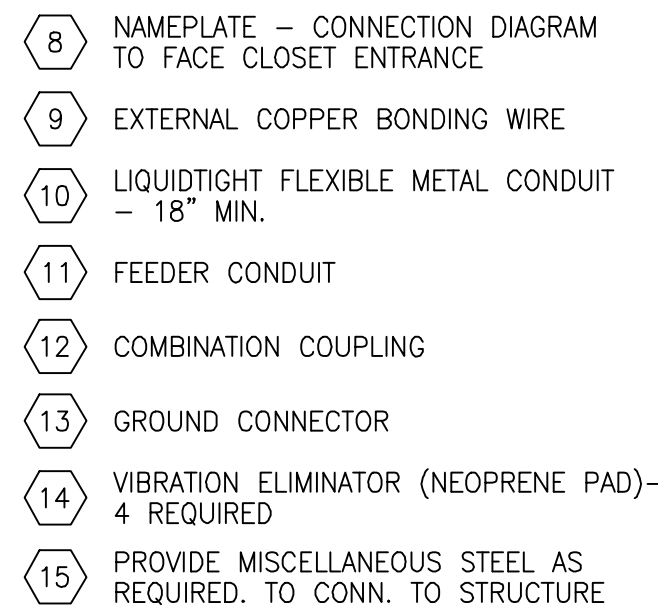
4. EXACT LOCATION FOR TRANSFORMER INSTALLATION MUST BE COORDINATED IN FIELD PRIOR TO START OF WORK.



TRANSFORMER SPECIFICATION

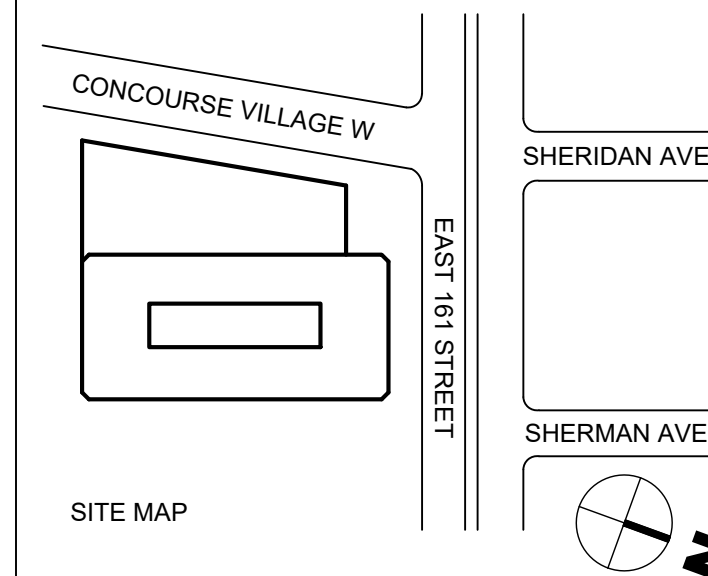


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TRANSFORMER SUSPENSION DETAIL

NOT TO SCALE



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email:info@plengineering.net



Project: 198 E161 Street - Elevators Modernization
Address: 198 E161 Street, Bronx, NY 10451

Sponsor Agency
Sponsor Address:



Liro Architects + Planners, P.C.
State Street, 28th Fl, New York, NY 10013
Tel: 212.691.1100
Fax: 212.691.1101
www.liro.com

	Drawing Title
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DETAILS AND NOTES

Seal:

Contract #:	20205400631
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Project #:	PW77198EV PL21041
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Drawn by: R

Checked by:	P
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Date: 04/29/20

E-501.00

DWG. 11 OF 12

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DOB APPROVAL STAMP

480/277 VOLTS, 3 PHASE, 4 WIRE.

EXISTING PANELBOARD 'PP-EM'

MAIN: 600 AMP.
MAIN RATING: 600 AMP.

CKT	POLE	FRAME	FUSES	FEEDER & GROUND	COND	SERVES	KVA	AMP
1	3	400	400 *	NEW 4 #600 kcmil , 1 #3 AWG E.G.	NEW 4"	EXISTING PANELBOARD 'PPEL'	203.4	245
2	3	400	225	EXISTING	EXISTING	EXISTING	-	-
3	3	100	-	-	-	SPARE	-	-
4	3	100	100	EXISTING	EXISTING	EXISTING PANEL 'HEM'	-	-
5	3	60	-	-	-	SPARE	-	-
6	3	60	60	EXISTING	EXISTING	EXISTING PANEL 'LEM'	-	-
7	3	30	30	EXISTING	EXISTING	EXISTING FIRE PUMP	-	-
8	3	30	20	EXISTING	EXISTING	EXISTING EXHAUST FAN #5 (EF-5)	-	-
9	3	100	-	-	-	SPACE ONLY	-	-
10	3	100	-	-	-	SPACE ONLY	-	-
* NEW FUSES						CONNECTED TOTAL LOAD	-	-

480/277 VOLTS, 3 PHASE, 4 WIRE.					EXISTING PANELBOARD 'PPEL'			MAIN <u>400 AMP.</u>	
					WITH NEW FEEDER			MAIN RATING: <u>400 AMP.</u>	
CKT	POLE	FRAME	FUSES	FEEDER & GROUND		COND	SERVES	KVA	AMP
1	3	100	80 *	NEW 4 #3 AWG, 1 #8 AWG E.G.		NEW 1 1/4"	NEW ELEVATOR #4	37	45
2	3	100	80 *	NEW 4 #3 AWG, 1 #8 AWG E.G.		NEW 1 1/4"	NEW ELEVATOR #5	37	45
3	3	100	80 *	NEW 4 #3 AWG, 1 #8 AWG E.G.		NEW 1 1/4"	NEW ELEVATOR #6	37	45
4	3	100	80 *	NEW 4 #3 AWG, 1 #8 AWG E.G.		NEW 1 1/4"	NEW ELEVATOR #7	37	45
5	3	100	80 *	NEW 4 #3 AWG, 1 #8 AWG E.G.		NEW 1 1/4"	NEW ELEVATOR #8	37	45
6	3	100	100 *	NEW 4 #2 AWG, 1 #8 AWG E.G.		NEW 1 1/2"	NEW PANEL 'EMEP'	18.4	51
* NEW FUSES						CONNECTED TOTAL LOAD		203.4	245

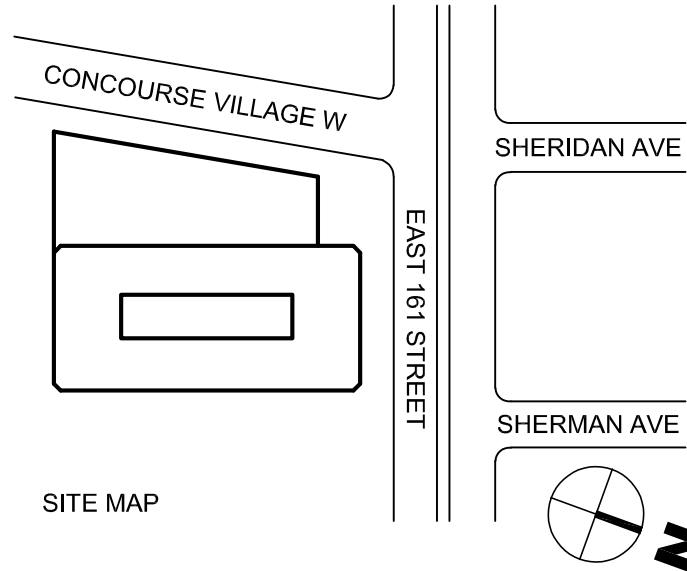
PANEL TYPE: CAT #NF430L1C 3 PHASE, 4W, 30 CIRCUIT, 277/480V 100 AMP, SQUARE D PANEL							NEW PANEL 'EMEP'							MAIN LUGS MAIN RATING		100AMP 125AMP
POLE NO.	TRIP AMP	BKR POLE	WIRE	GND WIRE	COND	SERVES	LOAD V.A.			POLE NO.	TRIP AMP	BKR POLE	WIRE	GND WIRE	COND	SERVES
							A Ø	B Ø	C Ø							
1	20	1	2-#12	1-#12	3/4"	ELEV MACH RM LIGHT FIXTURES	730 6968	-	-	2						
3	20	1	-	-	-	SPARE		5648	-	4	50	3	3-#6	1-#10	3/4"	30 KVA XFMR FOR NEW PANEL 'EMIR'
5	20	1	-	-	-	SPARE			5848	6						
7	20	1	-	-	-	SPARE		-		8	20	1	-	-	-	SPARE
9	20	1	-	-	-	SPARE				10	20	1	-	-	-	SPARE
11	20	1	-	-	-	SPARE				12	20	1	-	-	-	SPARE
13	-	1	-	-	-	SPACE		-		14	-	1	-	-	-	SPACE
15	-	1	-	-	-	SPACE				16	-	1	-	-	-	SPACE
17	-	1	-	-	-	SPACE				18	-	1	-	-	-	SPACE
19	-	1	-	-	-	SPACE		-		20	-	1	-	-	-	SPACE
21	-	1	-	-	-	SPACE				22	-	1	-	-	-	SPACE
23	-	1	-	-	-	SPACE				24	-	1	-	-	-	SPACE
25	-	1	-	-	-	SPACE		-		26	-	1	-	-	-	SPACE
27	-	1	-	-	-	SPACE				28	-	1	-	-	-	SPACE
29	-	1	-	-	-	SPACE				30	-	1	-	-	-	SPACE
BOLT-ON BRANCH CIRCUIT BREAKERS							CONNECTED V.A. PER PHASE			7698	5648	5848	19194 VA = 40 AMP			
							CONNECTED AMPS PER PHASE			28	20	21				

PANEL TYPE: EXISTING							EXISTING PANEL 'LMR'							MAIN LUGS		100AMP
3 PHASE, 4W, 3Ø CIRCUIT, 120/208V														MAIN RATING		100AMP
100 AMP, EXISTING PANEL																
POLE NO.	TRIP AMP	BKR POLE	WIRE	GND WIRE	COND	SERVES	LOAD V.A.			POLE NO.	TRIP AMP	BKR POLE	WIRE	GND WIRE	COND	SERVES
							A Ø	B Ø	C Ø							
1	20	1	2-#10	1-#10	3/4"	NEW CONVENIENCE RECEPTACLE NEXT TO ACCU	180			2	20	2	-	-	-	SPARE
3	20	1	-	-		SPARE				4						
5	20	2	-	-	-	SPARE				6	20	2	-	-	-	SPARE
7										8						
9	15	1	EXISTING	EXISTING	EX	EXISTING EMR				10	15	1	EXISTING	EXISTING	EX	EXISTING EVAPORATOR ON AIR COMPRESSOR
11	15	1	EXISTING	EXISTING	EX	EXISTING RECEPTACLE				12	15	1	EXISTING	EXISTING	EX	EXISTING LOAD
13	15	1	EXISTING	EXISTING	EX	EXISTING RECEPTACLE				14	15	1	EXISTING	EXISTING	EX	EXISTING LOAD
15	15	1	EXISTING	EXISTING	EX	EXISTING RECEPTACLE				16	15	1	EXISTING	EXISTING	EX	EXISTING LOAD
17	15	1	EXISTING	EXISTING	EX	EXISTING RECEPTACLE				18	15	1	EXISTING	EXISTING	EX	EXISTING EXTERIOR LIGHTS
19	15	1	EXISTING	EXISTING	EX	EXISTING RECEPTACLE				20	15	1	EXISTING	EXISTING	EX	EXISTING EXTERIOR RECEPTACLES
21	30	1	EXISTING	EXISTING	EX	EXISTING LOAD				22	15	1	EXISTING	EXISTING	EX	EXISTING LOAD
23	-	1	-	-	-	SPACE				24						
25	-	1	-	-	-	SPACE				26	30	2	EXISTING	EXISTING	EX	EXISTING WATER HEATER
27	-	1	-	-	-	SPACE				28	-	1	-	-	-	SPACE
29	-	1	-	-	-	SPACE				30	-	1	-	-	-	SPACE
* NEW BRANCH CIRCUIT BREAKERS						CONNECTED V.A. PER PHASE	-	-	-	- VA = - AMP						
						CONNECTED AMPS PER PHASE	-	-	-							

PANEL TYPE: CAT #N04301C MAIN CB INTERIOR							NEW PANEL 'EMR'				MAIN BKR		100AMP				
3 PHASE, 4W, 30 CIRCUIT, 120/208V											MAIN RATING		100AMP				
100 AMP MAIN CB, SQUARE D PANEL																	
POLE NO.	TRIP AMP	BKR POLE	WIRE	GND WIRE	COND	SERVES	LOAD V.A.			POLE NO.	TRIP AMP	BKR POLE	WIRE	GND WIRE	COND	SERVES	
							A Ø	B Ø	C Ø								
1	20	1	2-#10	1-#10	3/4"	ELEVATOR #4 CAB LIGHTING	600			2	20	1	2-#10	1-#10	3/4"	ELEVATOR #5 CAB LIGHTING	
3	20	1	2-#10	1-#10	3/4"	ELEVATOR #6 CAB LIGHTING	600			4	20	1	2-#10	1-#10	3/4"	ELEVATOR #7 CAB LIGHTING	
5	20	1	2-#10	1-#10	3/4"	ELEVATOR #8 CAB LIGHTING	600		600	6	20	1	2-#12	1-#12	3/4"	ELEV MACH RM CONVENIENCE GFI RECEPTACLES	
7	20	1	-	-	-	SPARE	800		400	8	20	1	2-#12	1-#12	3/4"	CONDENSATE PUMP RECEPTACLES FOR ACU-1,2,3,&4	
9	20	1	2-#10	1-#10	3/4"	ELEVATOR PITS LIGHT FIXTURES & GFI RECEPTACLES			210	10	20	2	2-#12	1-#12	3/4"	ACU-1, 2, 3, AND 4	
11	20	1	2-#10	1-#10	3/4"	ELEVATOR #8 PIT (SUB-CELLAR) SUMP PUMP			800	12	20	1	2-#12	1-#12	3/4"		
13	~						3838		210	14	20	1	2-#12	1-#12	3/4"	MOTORIZED DAMPERS	
15	50	3	3-#8	1-#10	3/4"	ACCU-1	400		3838	16	20	1	-	-	-	SPARE	
17									3838	18	20	1	-	-	-	SPARE	
19	20	1	-	-	-	SPARE				20	20	1	-	-	-	SPARE	
21	20	1	-	-	-	SPARE				22	20	1	-	-	-	SPARE	
23	20	1	-	-	-	SPARE				24	20	1	-	-	-	SPARE	
25	20	1	-	-	-	SPARE				26	20	1	-	-	-	SPARE	
27	20	1	-	-	-	SPARE				28	20	1	-	-	-	SPARE	
29	20	1	-	-	-	SPARE				30	20	1	-	-	-	SPARE	
BOLT-ON BRANCH CIRCUIT BREAKERS							CONNECTED V.A. PER PHASE	6966	5648	5848	18464 VA = 51 AMP						- USE HACR CIRCUIT BREAKER FOR ACCU UNIT
							CONNECTED AMPS PER PHASE	58	47	49							

PANEL SCHEDULES

NOT TO SCALE



ISSUED FOR BID	-	-	03.20.2026	-
Revision / Issue	Approved	Reviewed	Date	No.

 **PL Engineering P.C.**
486 Sunrise Highway, Suite 100B
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T: (516) 599-0136
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NYC
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Address: 1 Center Street, New York, NY 10007

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Sponsor Agency:
Sponsor Address:

 **Liro Architects + Planners, P.C.**
 State Street, 28th Fl, New York, NY 10004

Drawing Title:	
PANEL SCHEDULES	
Seal:	Contract #: 20205400631
	Project #: PW77198EV PL21041
	Drawn by: RR
	Checked by: PL
	Date: 04/29/2022
E-600.00	
DWG. 12 OF 12	

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DOB APPROVAL STAMP

Seal:	Contract #:	20205400631
	Project #:	PW77198EV PL21041
	Drawn by:	RR
	Checked by:	PL
	Date:	04/29/2022

E-600.00

DWG. 12 OF 12



○ ISSUED WITHOUT REVISION
● ISSUED WITH REVISION

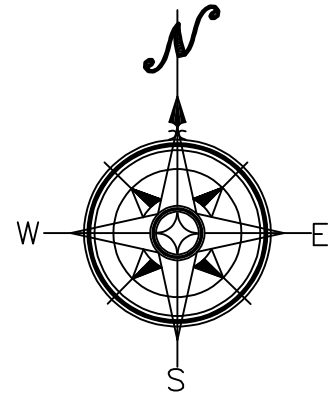
FA-100	FIRE ALARM COVER SHEET, NOTES, AND GENERAL LEGEND
FA-200	FIRE ALARM DEMOLITION PLAN
FA-300	FIRE ALARM NEW WORK PLAN
FA-400	FIRE ALARM NEW RISER DIAGRAM AND MATRIX

DECEMBER 26, 2025
"ISSUED FOR FILING"

1. THE SUGGESTED FIRE ALARM MANUFACTURER FOR THIS FACILITY IS EDWARDS EST PRODUCTS. ELECTRICAL CONTRACTOR CAN CONTACT DANA FERRER AT EDWARDS (DIVISION OF CARRIER) AT DANA.FERRER@CARRIER.COM FOR A LIST OF NYC APPROVED EDWARDS FIRE ALARM VENDORS.
2. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2014 NYC BUILDING CODE AND IN ACCORDANCE WITH APPENDIX Q AND K, 2010 NFPA 72 AS AMENDED BY APPENDIX Q (1RCNY 3616-04), 1RCNY 908-01 CARBON MONOXIDE DETECTORS AS WELL AS ALL OTHER NYC FIRE ALARM RULES AND REGULATIONS.
3. CONDUITS MAY NOT ENTER THE TOP OF ANY FIRE ALARM CONTROL EQUIPMENT CABINET.
4. ALL FIRE ALARM WIRE SHALL BE CLEARLY LABELED IN JUNCTION BOXES AND CABINETS. ALL TERMINALS SHALL BE IDENTIFIED BY A LABEL (E.G., C, G, E, F, S, S1, S2, S3, S4, S5, S6, S7, S8, S9, S10, S11, S12, S13, S14, S15, S16, S17, S18, S19, S20, S21, S22, S23, S24, S25, S26, S27, S28, S29, S30, S31, S32, S33, S34, S35, S36, S37, S38, S39, S40, S41, S42, S43, S44, S45, S46, S47, S48, S49, S50, S51, S52, S53, S54, S55, S56, S57, S58, S59, S60, S61, S62, S63, S64, S65, S66, S67, S68, S69, S70, S71, S72, S73, S74, S75, S76, S77, S78, S79, S80, S81, S82, S83, S84, S85, S86, S87, S88, S89, S90, S91, S92, S93, S94, S95, S96, S97, S98, S99, S100, S101, S102, S103, S104, S105, S106, S107, S108, S109, S110, S111, S112, S113, S114, S115, S116, S117, S118, S119, S120, S121, S122, S123, S124, S125, S126, S127, S128, S129, S130, S131, S132, S133, S134, S135, S136, S137, S138, S139, S140, S141, S142, S143, S144, S145, S146, S147, S148, S149, S150, S151, S152, S153, S154, S155, S156, S157, S158, S159, S160, S161, S162, S163, S164, S165, S166, S167, S168, S169, S170, S171, S172, S173, S174, S175, S176, S177, S178, S179, S180, S181, S182, S183, S184, S185, S186, S187, S188, S189, S190, S191, S192, S193, S194, S195, S196, S197, S198, S199, S200, S201, S202, S203, S204, S205, S206, S207, S208, S209, S210, S211, S212, S213, S214, S215, S216, S217, S218, S219, S220, S221, S222, S223, S224, S225, S226, S227, S228, S229, S230, S231, S232, S233, S234, S235, S236, S237, S238, S239, S240, S241, S242, S243, S244, S245, S246, S247, S248, S249, S250, S251, S252, S253, S254, S255, S256, S257, S258, S259, S260, S261, S262, S263, S264, S265, S266, S267, S268, S269, S270, S271, S272, S273, S274, S275, S276, S277, S278, S279, S280, S281, S282, S283, S284, S285, S286, S287, S288, S289, S290, S291, S292, S293, S294, S295, S296, S297, S298, S299, S300, S301, S302, S303, S304, S305, S306, S307, S308, S309, S310, S311, S312, S313, S314, S315, S316, S317, S318, S319, S320, S321, S322, S323, S324, S325, S326, S327, S328, S329, S330, S331, S332, S333, S334, S335, S336, S337, S338, S339, S340, S341, S342, S343, S344, S345, S346, S347, S348, S349, S350, S351, S352, S353, S354, S355, S356, S357, S358, S359, S360, S361, S362, S363, S364, S365, S366, S367, S368, S369, S370, S371, S372, S373, S374, S375, S376, S377, S378, S379, S380, S381, S382, S383, S384, S385, S386, S387, S388, S389, S390, S391, S392, S393, S394, S395, S396, S397, S398, S399, S400, S401, S402, S403, S404, S405, S406, S407, S408, S409, S410, S411, S412, S413, S414, S415, S416, S417, S418, S419, S420, S421, S422, S423, S424, S425, S426, S427, S428, S429, S430, S431, S432, S433, S434, S435, S436, S437, S438, S439, S440, S441, S442, S443, S444, S445, S446, S447, S448, S449, S450, S451, S452, S453, S454, S455, S456, S457, S458, S459, S460, S461, S462, S463, S464, S465, S466, S467, S468, S469, S470, S471, S472, S473, S474, S475, S476, S477, S478, S479, S480, S481, S482, S483, S484, S485, S486, S487, S488, S489, S490, S491, S492, S493, S494, S495, S496, S497, S498, S499, S500, S501, S502, S503, S504, S505, S506, S507, S508, S509, S510, S511, S512, S513, S514, S515, S516, S517, S518, S519, S520, S521, S522, S523, S524, S525, S526, S527, S528, S529, S530, S531, S532, S533, S534, S535, S536, S537, S538, S539, S540, S541, S542, S543, S544, S545, S546, S547, S548, S549, S550, S551, S552, S553, S554, S555, S556, S557, S558, S559, S560, S561, S562, S563, S564, S565, S566, S567, S568, S569, S570, S571, S572, S573, S574, S575, S576, S577, S578, S579, S580, S581, S582, S583, S584, S585, S586, S587, S588, S589, S590, S591, S592, S593, S594, S595, S596, S597, S598, S599, S600, S601, S602, S603, S604, S605, S606, S607, S608, S609, S610, S611, S612, S613, S614, S615, S616, S617, S618, S619, S620, S621, S622, S623, S624, S625, S626, S627, S628, S629, S630, S631, S632, S633, S634, S635, S636, S637, S638, S639, S640, S641, S642, S643, S644, S645, S646, S647, S648, S649, S650, S651, S652, S653, S654, S655, S656, S657, S658, S659, S660, S661, S662, S663, S664, S665, S666, S667, S668, S669, S670, S671, S672, S673, S674, S675, S676, S677, S678, S679, S680, S681, S682, S683, S684, S685, S686, S687, S688, S689, S690, S691, S692, S693, S694, S695, S696, S697, S698, S699, S700, S701, S702, S703, S704, S705, S706, S707, S708, S709, S710, S711, S712, S713, S714, S715, S716, S717, S718, S719, S720, S721, S722, S723, S724, S725, S726, S727, S728, S729, S730, S731, S732, S733, S734, S735, S736, S737, S738, S739, S740, S741, S742, S743, S744, S745, S746, S747, S748, S749, S750, S751, S752, S753, S754, S755, S756, S757, S758, S759, S760, S761, S762, S763, S764, S765, S766, S767, S768, S769, S770, S771, S772, S773, S774, S775, S776, S777, S778, S779, S780, S781, S782, S783, S784, S785, S786, S787, S788,

SITE PLAN

NOT TO SCALE



1. FIRE ALARM VENDOR MUST PRODUCE A SEPARATE FIXED PRICE TO PERFORM THE SCOPE OF WORK CONTAINED ON THESE DRAWINGS IN CONNECTION WITH THE FIRE ALARM SYSTEM. THESE DRAWINGS ARE PROVIDED FOR BID PURPOSES ONLY AND TO ILLUSTRATE THE SCOPE OF WORK INTENT OF THIS PROJECT. PRIOR TO SUBMISSION OF THE FIRE ALARM SYSTEM BID, THE FIRE ALARM VENDOR IS RESPONSIBLE TO REVIEW ALL DRAWINGS (I.E., MECHANICAL/HVAC, ELECTRICAL, PLUMBING, FIRE SPRINKLER AND ARCHITECTURAL). UPON SUBMISSION OF THE FIRE ALARM BID, THE FIRE ALARM VENDOR CERTIFIES THAT ALL DRAWINGS HAVE BEEN REVIEWED, THE SITE HAS BEEN VISITED/INSPECTED (IF APPLICABLE), AND THAT ALL LOCAL FDNY REQUIRED ITEMS ARE FULLY UNDERSTOOD AND INCLUDED IN THE BID PRICE (NO CHANGE ORDERS ALLOWED).
2. FIRE ALARM VENDOR MUST ADHERE TO NFPA 101, NFPA 72, ALL LOCAL CODES AND AUTHORITIES HAVING JURISDICTION (I.E., BUILDING DEPT., FDNY, ETC.). THE ENTIRE SYSTEM MUST BE DESIGNED IN ACCORDANCE WITH THESE AUTHORITIES HAVING JURISDICTION.
3. ADDITIONAL DEVICES REQUIRED ABOVE AND BEYOND THESE AS THE DESIGN MUST BE COMPLETE. DESIGN OF THE ENTIRE SYSTEM MUST BE IN ACCORDANCE WITH THE NYC BUILDING & FIRE CODES IN DOCUMENTS OR DEVICES ADDED AT THE REQUEST OF THE FDNY OR BUILDING DEPARTMENT WILL BE REIMBURSED UNDER CONTRACT UNIT PRICING.
4. ALL CABLES AND WIRING MUST BE PLENUM RETURN RATED CABLES.

SYMBOL	DESCRIPTION/ MANUFACTURER/ MODEL
	EXISTING SMOKE DETECTOR
	NEW SMOKE DETECTOR WITH BASE NEW SMOKE DETECTOR SHOULD BE COMPATIBLE WITH EXISTING BUILDING FA SYSTEM.
	EXISTING FIRE ALARM MANUAL PULL STATION
	EXISTING COMBINATION SPEAKER AND STROBE LIGHT VISIBLE AND AUDIBLE.
	EXISTING FIRE ALARM FIRE COMMAND CENTER.
	EXISTING FIREFIGHTER PHONE.
	NEW CONTROL MODULE
	NEW REMOTE ALARM L.E.D.
	NEW ELEVATOR RECALL RELAY.
	MOTORIZED DAMPER BY M.C.

NEW DEVICES SHOULD BE COMPATIBLE WITH EXISTING BUILDING FA SYSTEM.

ADDR.	Addressable	FL.	Floor
AFF	Above Finished Floor	FT.	Feet
C.	Conduit	LIU	Long Island University
cd.	Candela	MECH.	Mechanical
CL.	Closet	ME&BSA	Materials & Equipment
CM.	Construction Manager	Approval Division - NYCBD	
COND.	Conductor	PR.	Pair
DWG.	Drawing	RDGP	Remote Data Gathering Panel
E	Existing	T.P.	Twisted Pair
EMR	Elevator Machine Room	T.S.P.	Twisted Shielded Pair
EOLR	Existing End Of Line Resistor	S.P.	Shielded Pair
FAC	Fire Alarm Contractor	TYP	Typical
FAP	Fire Alarm Panel		
FACP	Fire Alarm Control Panel		
FAS	Fire Alarm System		

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE ECCNCCNY 2011 PER CH.1, SEC. 101.4.3 ADDITIONS, ALTERATIONS, RENOVATIONS OR REPAIRS. Additions, alterations, renovations or repairs to an existing building, building system, equipment or portion thereof, other than repairs of equipment, shall conform to the provisions of this code as they relate to new construction without requiring the unaltered portion(s) of the existing building, building system or equipment to comply with this code. Additions, alterations, renovations or repairs shall not create an unsafe or hazardous condition or overload existing building systems.

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

THE WORK SHALL BE AS SHOWN AND CALLED FOR IN THE CONTRACT DOCUMENTS AND SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING GENERAL ITEMS OF WORK:

1. INSTALL NEW RELAY CONTROL MODULE FOR NEW MOTORIZED DAMPERS IN ELEVATOR MACHINE ROOM
2. REPROGRAM FIRE ALARM SYSTEM TO OPERATE DAMPER AND OPEN VENT UPON ACTIVATION OF SMOKE DETECTOR AT THE TOP OF ELEVATOR SHAFT AND IN ELEVATOR LOBBIES.

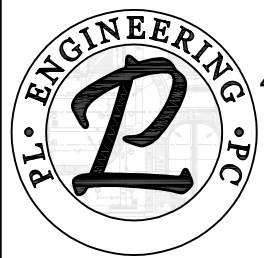
NOTE: THIS SCOPE OF WORK DESCRIPTION IS PROVIDED TO GIVE AN OVERALL "MACRO" DESCRIPTION OF THIS PROJECT. E.C. IS RESPONSIBLE TO REVIEW ALL ENGINEERING AND ARCHITECTURAL DRAWINGS AND VISIT THE SITE IF NEEDED, PRIOR TO SUBMISSION OF BID.

This plan is 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.

DOB APPROVAL STAMP

The site map shows a rectangular lot bounded by Concourse Village W to the north and East 16th Street to the east. The lot is divided into two sections: a larger rectangular area on the left and a smaller rectangular area on the right. The map also shows the intersection of East 16th Street with Sheridan Ave and Sherman Ave. A north arrow is located in the bottom right corner of the map.

ISSUED FOR BID	-	-	03.20.2026	-
Revision / Issue	Approved	Reviewed	Date	No.
SUB-CONSULTANT:				



PL Engineering P.C.
486 Sunrise Highway, Suite 100B
Rockville Centre, NY 11570
T:(516)599-0136
F:(516) 599-3419
email:info@plengineering.net



Address: 1 Center Street, New York, NY 10007

Project: 198 E161 Street - Elevators Modernization
Address: 198 E161 Street, Bronx, NY 10451

Sponsor Agency:
Sponsor Address:



Liro Architects + Planners, P.C.
State Street, 28th Fl, New York, N

Drawing Title:

FIRE ALARM COVER SHEET,
NOTES, AND GENERAL LEGEND

Seal:	Contract #:	2020540063
	Project #:	PW77198EV PL21041
	Drawn by:	F
	Checked by:	F
	Date:	04/29/20

FA-100.00

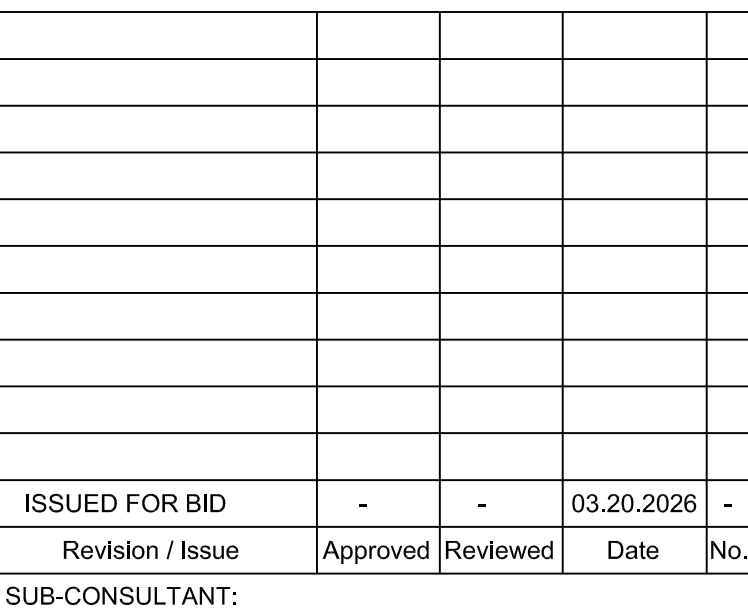
DWG. 1 OF 4



1. CONTRACTOR SHALL INCLUDE IN HIS BID ALL COSTS ASSOCIATED WITH REMOVALS AND RELOCATIONS OF FIRE ALARM WORK AS DESCRIBED IN THE SPECIFICATIONS WITH ALLOWANCES FOR UNFORESEEN DIFFICULTIES. IF ANY CONCEALED WORK HAS BEEN OPENED, NO CLAIMS FOR ADDITIONAL WORK ASSOCIATED WITH DEMOLITION WILL BE ACCEPTED, EXCEPT IN CERTAIN CASES CONSIDERED JUSTIFIABLE BY THE ARCHITECT AND ENGINEER.
2. CONTRACTOR SHALL REMOVE AND/OR RELOCATE ALL EXISTING FIRE ALARM WORK WHICH INTERFERES WITH THE NEW ARCHITECTURAL AND FIRE ALARM LAYOUTS IN FULL COORDINATION WITH THE ARCHITECT'S DEMOLITION AND RELOCATION SYSTEMS WHICH ARE NO LONGER REQUIRED TO FUNCTION FOR ORIGINAL DESIGN AND CONNECTIONS.
3. CONTRACTOR SHALL PERFORM DEMOLITION AND REMOVAL WORK WITH MINIMUM INTERFERENCE WITH FUNCTIONING FIRE ALARM SYSTEMS. ALL AFFECTED SYSTEMS SHALL BE RECONNECTED AND RESTORED.

- ① EXISTING FIREFIGHTER PHONE TO REMAIN.
- ② EXISTING FIRE ALARM MANUAL PULL STATION TO REMAIN.
- ③ EXISTING COMBINATION SPEAKER AND STROBE LIGHT TO REMAIN.
- ④ EXISTING SMOKE DETECTOR TO REMAIN.
- ⑤ EXISTING ELEVATOR RECALL SYSTEM TO BE REMOVED, CONTRACTOR SHALL REMOVE ALL ASSOCIATED DEVICES AND CABLES BACK TO ITS ORIGINAL SOURCE. CONTRACTOR SHALL TRACE CABLES BEFORE DEMOLITION.

This plan is 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.

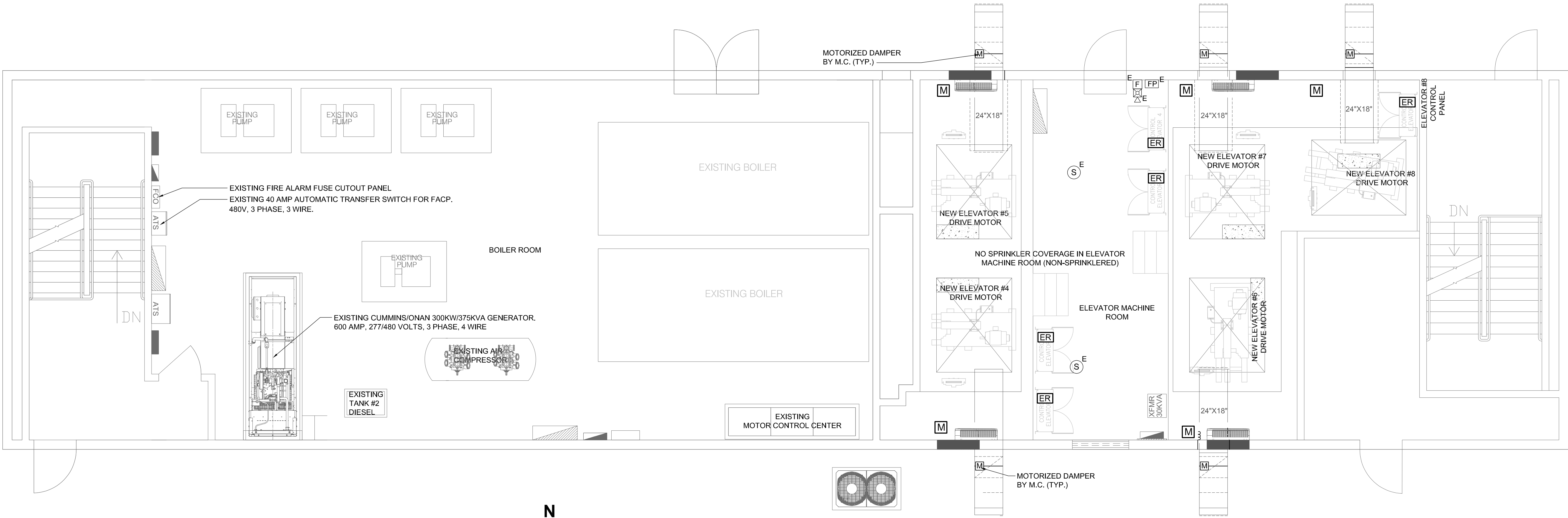


NYC
DCAS
**Citywide
Administrative
Services**
Address: 1 Center Street,

Drawing Title:

FIRE ALARM DEMOLITION PLAN

Seal:	Contract #: 20205400631
	Project #: PW77198EV PL21041
	Drawn by: RR
	Checked by: PL
	Date: 04/29/2022
	FA-200.00

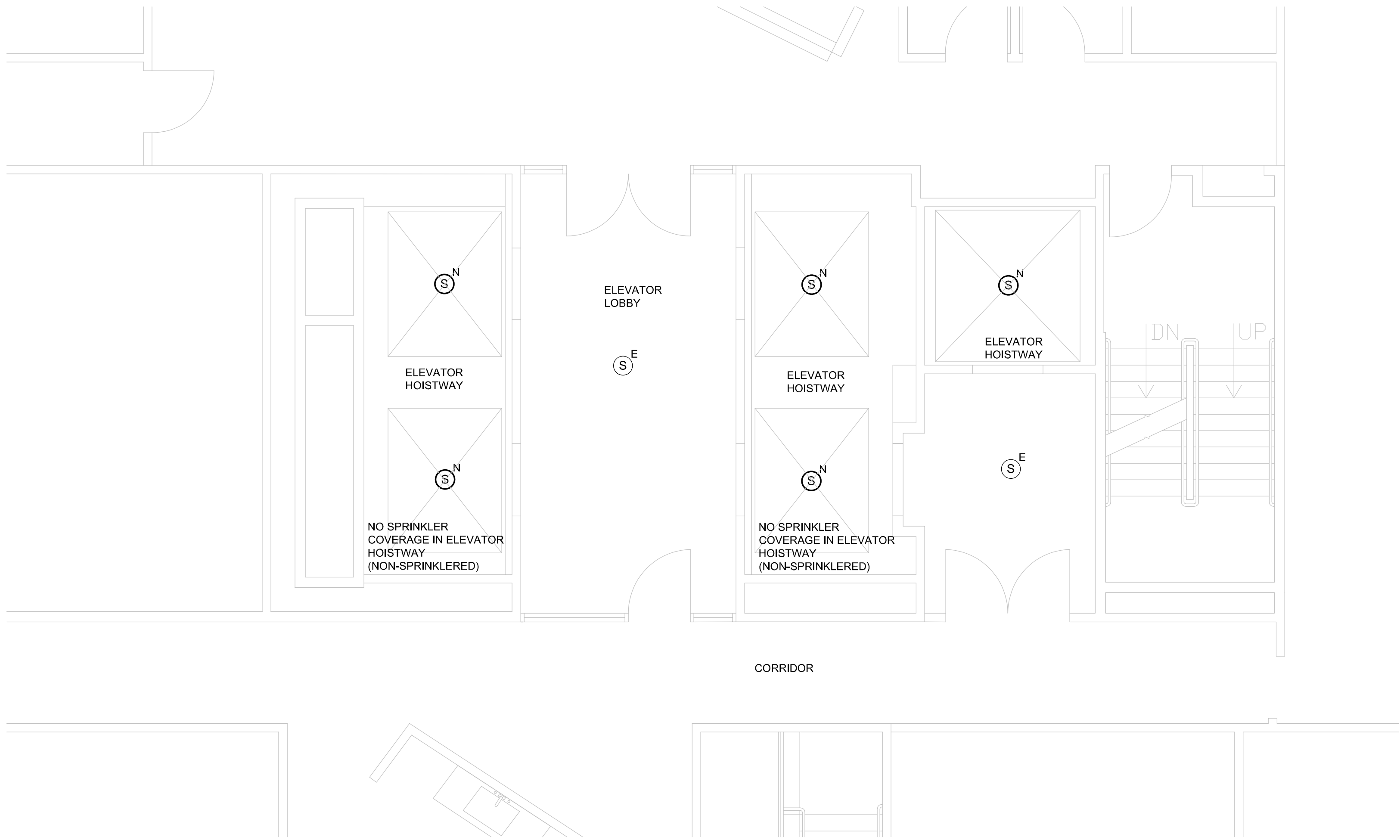


BULKHEAD FIRE ALARM NEW WORK PLAN
SCALE: 1/4"=1'-0"

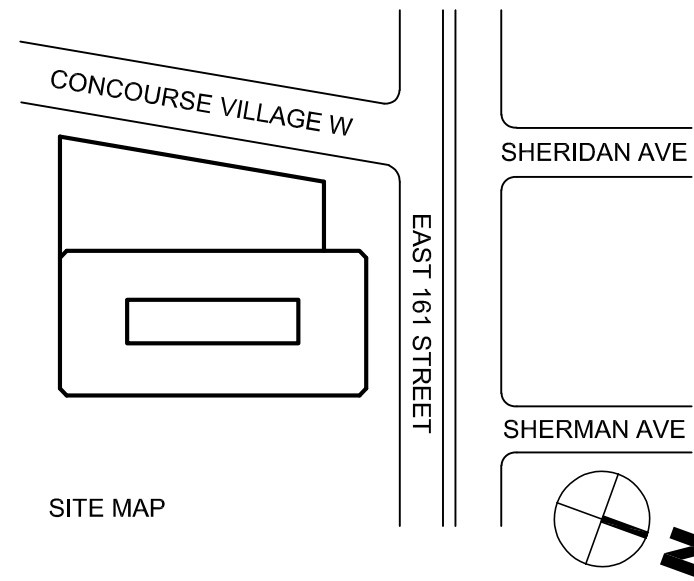
FIRE ALARM LEGEND	
SYMBOL	DESCRIPTION/ MANUFACTURER/ MODEL
	EXISTING SMOKE DETECTOR
	NEW SMOKE DETECTOR WITH BASE NEW SMOKE DETECTOR SHOULD BE COMPATIBLE WITH EXISTING BUILDING FA SYSTEM.
	EXISTING FIRE ALARM MANUAL PULL STATION
	EXISTING COMBINATION SPEAKER AND STROBE LIGHT VISIBLE AND AUDIABLE.
	EXISTING FIRE ALARM FIRE COMMAND CENTER.
	EXISTING FIREFIGHTER PHONE.
	NEW CONTROL MODULE
	NEW REMOTE ALARM L.E.D.
	NEW ELEVATOR RECALL RELAY.
	MOTORIZED DAMPER BY M.C.
NEW DEVICES SHOULD BE COMPATIBLE WITH EXISTING BUILDING FA SYSTEM.	

NFPA 72 REQUIRES THAT EACH ELEVATOR LOBBY, ELEVATOR HOISTWAY, AND ELEVATOR MACHINE ROOM SMOKE DETECTOR MUST BE ABLE TO INITIATE ELEVATOR RECALL WHEN ALL OTHER DEVICES HAVE BEEN MANUALLY OR AUTOMATICALLY PLACED IN THE ALARM CONDITION.

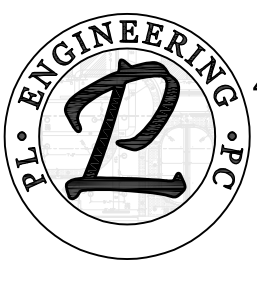
- EXISTING SMOKE DETECTOR (S) AT EACH ELEVATOR LOBBY WITHIN 21 FEET OF THE CENTERLINE OF EACH ELEVATOR DOOR WITHIN THE ELEVATOR BANK UNDER COVERAGE OF THE DETECTOR.
- EXISTING SMOKE DETECTORS IN ELEVATOR MACHINE ROOMS.



PARTIAL TENTH FLOOR FIRE ALARM NEW WORK PLAN
SCALE: 1/4"=1'-0"



ISSUED FOR BID	-	-	03.20.2026	-
Revision / Issue	Approved	Reviewed	Date	No.
SUB-CONSULTANT:				



PL Engineering P.C.
486 Sunrise Highway, Suite 100B
Rockville Centre, NY 11570
T:(516)599-0136
F:(516) 599-3419
email:info@plengineering.net



NYC DCAS
Citywide Administrative Services
Address: 1 Center Street, New York, NY 10007

Project: 198 E161 Street - Elevators Modernization
Address: 198 E161 Street, Bronx, NY 10451

Sponsor Agency:
Sponsor Address:

 **Liro Architects + Planners, P.C.**
State Street, 28th Fl, New York, NY 10004

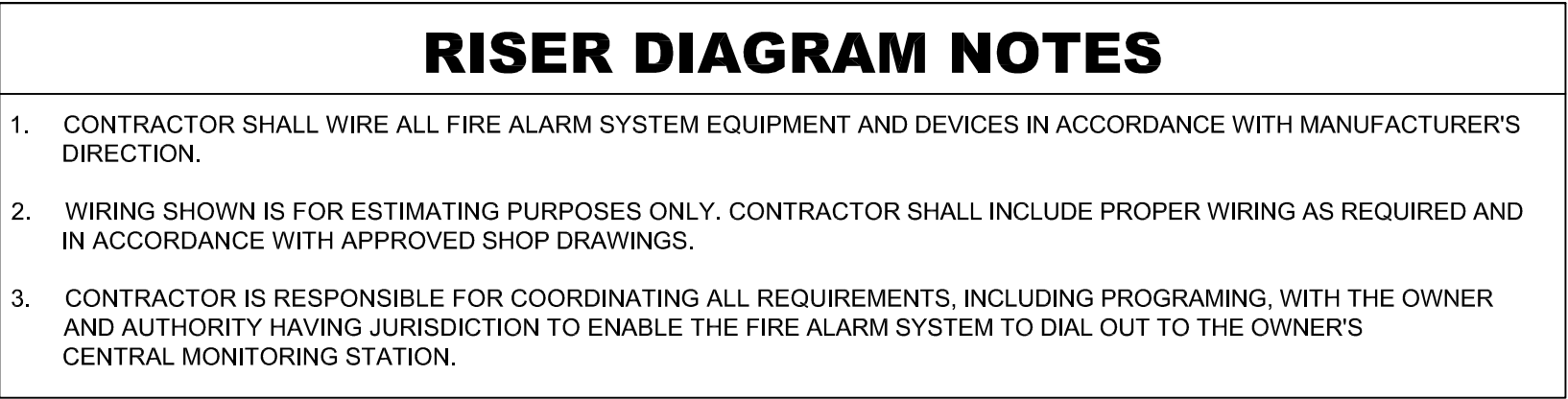
Drawing Title:
FIRE ALARM NEW WORK PLAN

Seal:	Contract #: 20205400631
	Project #: PW77198EV PL21041
	Drawn by: RR
	Checked by: PL
Date: 04/29/2022	

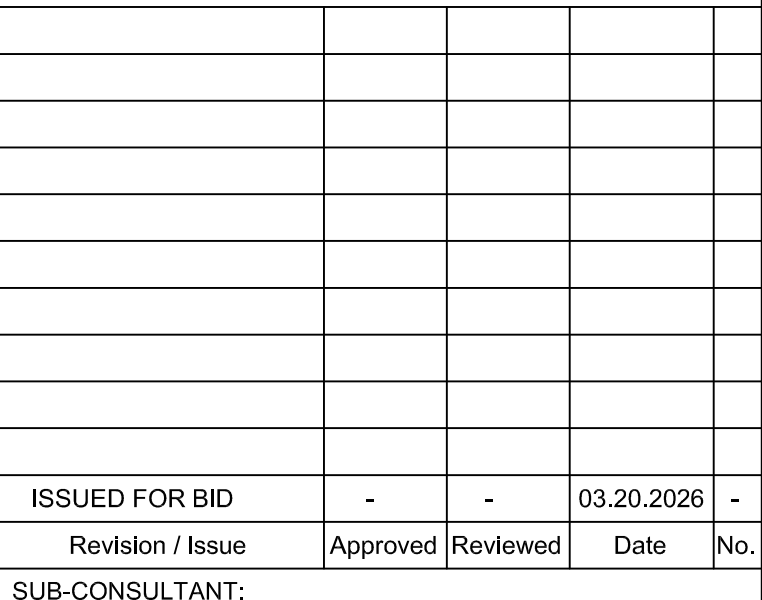
FA-300.00
DWG. 3 OF 4

This plan is 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.

DOB APPROVAL STAMP



NOT TO SCALE



NOTES:

CENTRAL STATION ALARM SERVICE TO RECEIVE SEPARATE AND DISTINCT SIGNALS AS FOLLOWS:

1. FIRE ALARM SIGNAL.
2. TROUBLE SIGNAL.
3. SUPERVISORY SIGNAL.
4. SUPERVISORY SIGNAL FOR CARBON MONOXIDE.

SYSTEM OUTPUTS

[illegible]

1. ALL WORK, ALL STATE CODES AND THE LOCAL FIRE DEPARTMENT AND ALL OTHER RELATED AGENCIES SHALL MEET ALL WORK, ALL FIRE ALARM MANUFACTURER STANDARD SPECIFICATION AND SHALL MEET ALL WORK, ALL STATE CODES AND THE LOCAL FIRE DEPARTMENT AND ALL OTHER RELATED AGENCIES HAVING JURISDICTION.
2. ALL WORK, ALL FIRE ALARM DEVICES, LOCATIONS, ZONING, CONDUITS, WIRING AND ROUTING SHALL BE PER FIRE ALARM MANUFACTURER'S REQUIREMENTS.
3. THE CONTRACTOR SHALL ARRANGE A FIRE DEPARTMENT TEST AND INSPECTION AND TURN OVER ALL RESULTS TO BUILDING OWNER FOR APPROVAL.
4. MODIFICATIONS ARE TO BE MADE TO EXISTING FIRE ALARM FIRE COMMAND CENTER AS NECESSARY TO ACCOMPLISH THE DESIGN INTENT. FIRE ALARM CONTRACTOR SHALL RETAINED THE BUILDING FIRE ALARM CONTRACTOR.
5. CONTRACTOR SHALL CONTACT BUILDING FIRE ALARM CONTRACTOR FOR ALL NECESSARY FIRE ALARM EQUIPMENT AND COMPONENTS FOR A COMPLETE AND OPERATIONAL SYSTEM. NO SUBSTITUTION WILL BE ALLOWED.
6. CONTRACTOR RESPONSIBILITIES REGARDING FIRE ALARM WORK INCLUDE:
 - a. COORDINATE SCHEDULE WITH FIRE ALARM VENDOR SO AS TO INTEGRATE THIS WORK INTO THE OVERALL PROJECT TIMELINE.
 - b. ALL REQUIRED LINE VOLTAGE POWER TO FIRE ALARM SYSTEM COMPONENTS, RESPONSIBILITIES FOR RETAINING OF FIRE ALARM VENDOR.
 - c. PREPARATION AND SUBMISSION OF FIRE ALARM DRAWINGS, OBTAIN PERMITS (INCLUDING FILING FEES) BASED ON FIRE ALARM CONTRACTOR APPROVED PLANS.
 - d. WIRE DEVICES AND RUN BRANCHES TO THE VICINITY OF THE EXISTING FIRE ALARM PANEL WITH SUFFICIENT SLACK FOR THE TIE-IN.
 - e. LICENSED AND INSURED FIRE ALARM ELECTRICAL CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES.
 - f. FIRE ALARM SYSTEM SHALL BE INSPECTED BY THE LOCAL FIRE DEPARTMENT AND FIRE ALARM CONTRACTOR. THE FIRE ALARM SYSTEM SHALL BE IN ACCORDANCE WITH NFPA AND LOCAL CODES HAVING JURISDICTION REQUIREMENTS.
 - g. FINAL TIE-IN OF ALL DEVICES TO EXISTING FIRE ALARM FIRE COMMAND CENTER.
 - h. SYSTEM PROGRAMMING.
 - i. SYSTEM TESTING.
 - j. PREPARING AND FILING NECESSARY FORMS WITH THE FIRE DEPARTMENT, SCHEDULING THE NECESSARY INSPECTION(S) AND OBTAIN APPROVAL AND SIGN-OFF.
7. THE EXISTING FIRE ALARM FIRE COMMAND CENTER PANEL SHALL BE TESTED FOR PROPER OPERATION PRIOR TO ANY WORK BEING PERFORMED. ANY MALFUNCTION SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER PRIOR TO ANY WORK BEING PERFORMED.
8. NEW MODULES AND PERIPHERAL DEVICES SHALL BE BY THE SAME MANUFACTURER AS THE EXISTING SYSTEM, AND SHALL BE SUPPLIED THROUGH ONE OF THEIR AUTHORIZED DISTRIBUTORS. PROVIDE ALL NECESSARY MODIFICATIONS TO EXISTING FIRE ALARM CONTROL PANEL, INCLUDING POWER EXTENDER PANELS FOR SUPPORTING ADDITIONAL FIRE ALARM DEVICES.
9. THE SYSTEM SHALL BE CHECKED AND TESTED FOR PROPER OPERATION BY THE MANUFACTURER'S REPRESENTATIVE PRIOR TO FINAL ACCEPTANCE. EACH DEVICE SHALL BE OPERATED AND ADJUSTED FOR PROPER SENSITIVITY. AS PART OF THE FINAL ACCEPTANCE THE SYSTEM SHALL BE DEMONSTRATED FOR PROPER OPERATION IN THE PRESENCE OF THE OWNER'S REPRESENTATIVES.
10. THE FIRE ALARM CONTRACTOR SHALL OBTAIN A PE LICENSED IN THE STATE OF NY AND SPECIALIZING IN FIRE ALARMS TO SIGN OFF ALL SUBMISSIONS TO FIRE DEPARTMENT AND SECURE ALL NECESSARY APPROVALS AND PERMITS PRIOR TO INSTALLATION. UPON COMPLETION OF WORK THE FIRE ALARM CONTRACTOR SHALL OBTAIN THE REQUIRED SIGN-OFFS FROM EACH OF THE RESPECTIVE AGENCIES.
11. EXISTING FIRE ALARM DEVICES SHALL REMAIN OPERATIONAL THROUGHOUT BEFORE, AFTER, AND DURING RENOVATION. ANY MODIFICATION TO EXISTING FIRE ALARM SYSTEM TO ACCOMMODATE THE RENOVATION SHALL BE COORDINATED WITH BUILDING FIRE ALARM VENDOR, AND BUILDING MANAGEMENT THREE WEEKS AHEAD OF TIME. IF SYSTEM WILL BE TAKEN DOWN FOR AN EXTENDED PERIOD, PROVIDE FIRE-WATCH.

This plan is 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.

DOB APPROVAL STAMP

Drawing Title:

FIRE ALARM NEW RISER DIAGRAM AND MATRIX

Seal:

Contract #: 20205400631

Project #: PW77198EV
PI 21041

Drawn by: RR

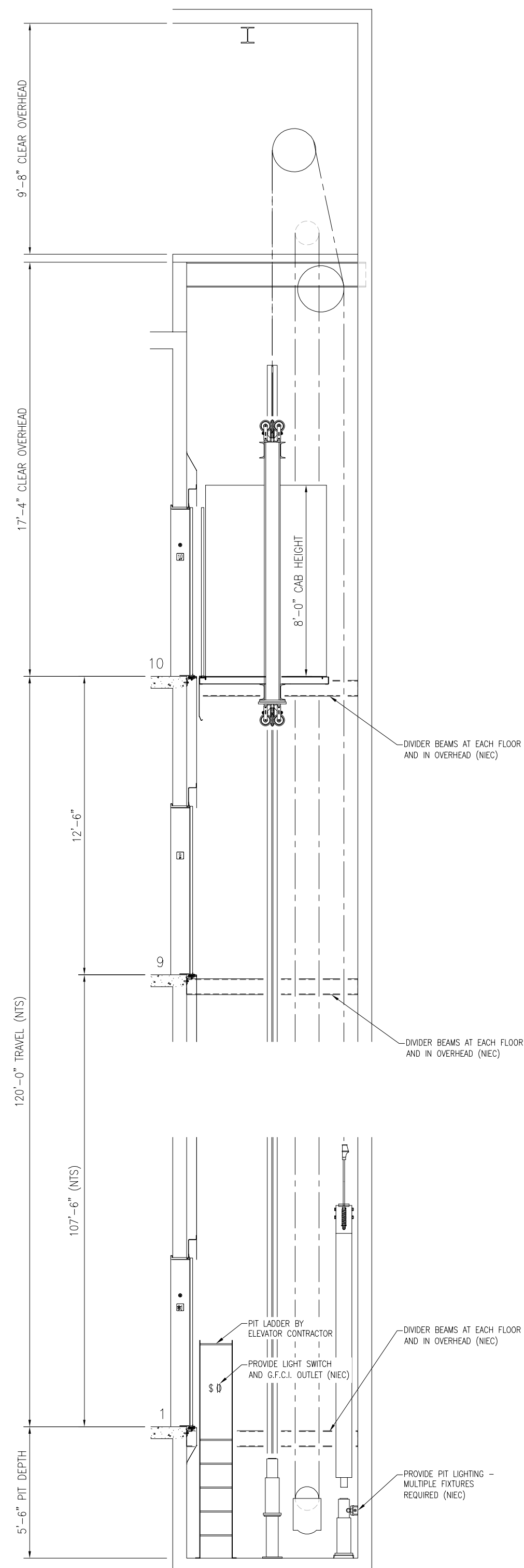
Checked by: PL

Date: 04/29/202

5A 100.00

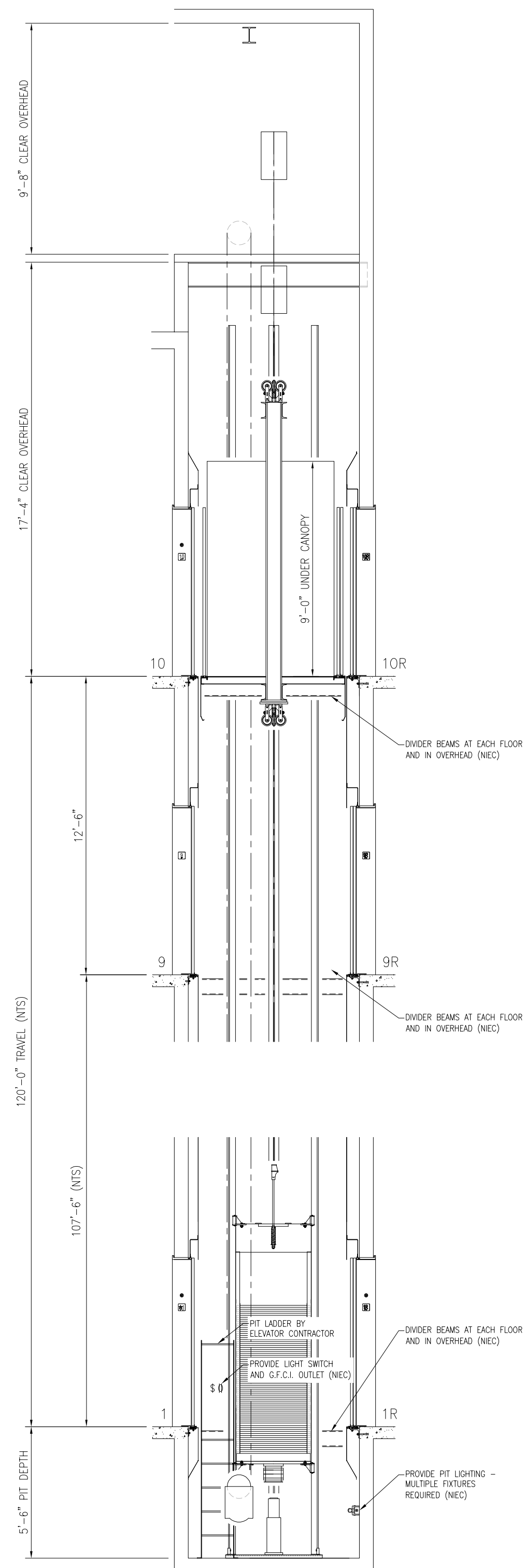
FA-400.00

DWG. 4 OF 4

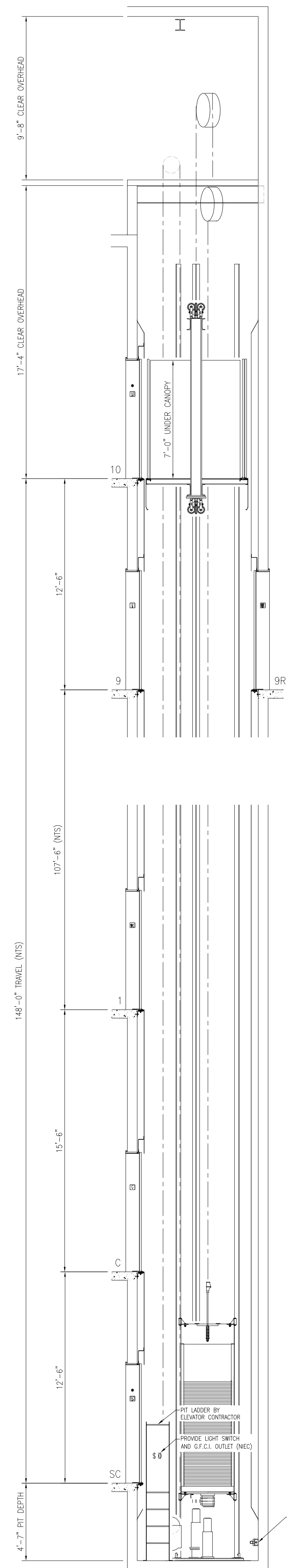


1
VT.02

ELEVATORS 4, 5, 7
SECTION VIEW
SCALE: NONE
OVERHEAD TRACTION APPLICATION




ELEVATOR 6
SECTION VIEW
 SCALE: NONE
 OVERHEAD TRACTION APPLICATION

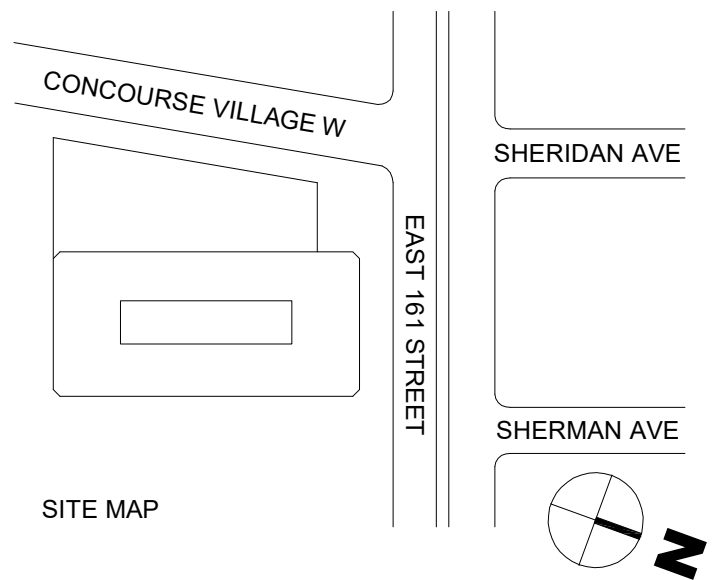


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VT.02

ELEVATOR 8
SECTION VIEW
SCALE: NONE
OVERHEAD TRACTION APPLICATION

GENERAL NOTE:

1. THE CONTRACTOR TO VERIFY ALL FIELD CONDITIONS BEFORE PROCEEDING. TYP. FOR ALL ELEMENTS.
2. THE CONTRACTOR TO PROTECT ALL EXISTING ELEMENTS TO REMAIN.
3. ELEMENTS DUE TO CONTRACTOR'S ACTION SHALL BE REPAIRED OR REPLACED IN KIND AT NO ADDITIONAL COST TO OWNER.
4. FOR VERTICAL TRANSPORTATION, MECHANICAL, ELECTRICAL, FIRE PROTECTION, FIRE ALARM & PLUMBING DISCIPLES WORK. SEE E.C. MECHANICAL & FP-DRAWINGS, TYP. FOR ALL SPACES IN THIS PROJECT.
5. THE CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS AS REQUIRED TO COMPLETE DEMOLITION AND REMOVAL OF ALL ITEMS AS INDICATED ON THE DRAWINGS.
6. THE CONTRACTOR SHALL ERECT ALL NECESSARY PLASTIC DROP CLOTH PARTITIONS TO PROTECT ADJACENT BUILDING PROPERTY, THE PUBLIC CORRIDOR AND ADJACENT SPACES, WHICH WILL NOT UNDERGO NEW CONSTRUCTION, FROM DUST AND DEBRIS WHILE DEMOLITION AND CONSTRUCTION ARE IN PROGRESS.
7. DEMOLITION AND CONSTRUCTION ARE TO BE SEPARATE.
8. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL CONSTRUCTION, THE G.C. SHALL PROVIDE THAT ALL AREAS BE LEFT BROOM CLEAN.



BID SET SUBMISSION			03.20.2026	
Revision / Issue	Approved	Reviewed	Date	N



Address: 1 Center Street, New York, NY 10007

Project: 198 E161 Street - Elevators Modernization

Address: 198 E161 Street, Bronx, NY 10451

Sponsor Agency:

Sponsor Address

Liro Architects + Planners. P.C.

Drawing Title:

ELEVATORS 4-8 SECTIONS

Seal:

Contract #: 2020 5400631

Project #: PW77198EV

Drawn by:

Checked by:

Date: 17/12/2

VT.02

NOTE:

*NIEC: NOT INCLUDED IN ELEVATOR CONTRACT

**DIMENSIONS ARE SHOWN FOR REFERENCE ONLY. ELEVATOR CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD