



NOTICE TO ALL FIRMS

Date: June 29, 2023

To: All Prospective Bidders

From: Sam Li
Deputy Director of Purchasing

Re: Addendum Number 2
IFB # C1576 – D442 Classroom Renovation

Notes:

- 1) As there are no dwelling units in the building, the DOB should not require a Tenant Protection Plan to obtain a Construction Permit.
- 2) Mechanical & Electrical scope of work has been revised so that it no longer includes the VAV box. The VAV box is being removed from the scope of this project. The VAV will be installed by FIT as part of a separate on-going project. The D442 Contractor is to coordinate with FIT's other Contractor who will be installing the VAV box.

See attached revised Mechanical & Electrical Drawings (attached to the bottom of this addendum):

M-001.00
M-104.00
M-501.00
M-701.00
M-801.00
E-200.00
E-600.00

Questions:

- Q1. Specification section 088030 (Magnetic Pegboard) is included in the spec book. Where is this item installed on the project?
- A1. Refer to drawing A-100. On the plan 1/A-100 wall elevation reference points to the wall where Clarus Float Magnetic Glass Marker Board W/Box Tray is located, - between 2 TV monitors. See construction plan note #5. Also see sheet A-300, east-interior elevation 2.
- Q2. Construction plan note 11, on drawing A-100.00, to "patch exist quarry tile floor & install self-leveling". Since the quarry tile was concealed by the existing finished floor, we cannot determine the extent of the patching that may or may not be required. How do we proceed?
- A2. On the drawing DM-100.00 4th Floor Demolition Plan demolition note #5 calls for "Remove Existing Carpeting & Vct Below Down to Quarry Tile, Scrape & Prep As Req". For purpose of bidding, assume 50% SF patching.
- Q3. Is the GC only required to provide back boxes and conduit stub ups for the data/comm/AV outlets?
- A3. Refer to Electrical drawings power notes on drawing E-200. FIT IT will pull the wiring. GC to coordinate with FIT's Data and AV contractor.
- Q4. Reflected Ceiling Plans, 3 & 11, notes to patch and repair the existing slab & beam. To what extent are these surfaces to be repaired?

- A4. On RCP Plan notes #3 and #10 call for patching and repair. These surfaces are scheduled to be painted, thus they have to be repaired and prepped to have a smooth and even appearance, to receive priming before painting.
- Q5. Drawing A-300, note 16 and elevation 4, indicates that all the windows are to receive new gaskets. It was mentioned at the site visit, only the operable windows were to receive new gasket. Please advise.
- A5. Confirming that only operable windows will receive new gasket. All windows (both operable and non-operable) to have glass and frames cleaned.
- Q6. The scope of work notes to install new fire alarm strobes as indicated on plans. No fire alarm drawings were included in the set of documents. Please clarify.
- A6. There are no strobes, or other fire alarm devices in this project
- Q7. Please provide building fire alarm vendor information.
- A7. Not required. See answer A6.
- Q8. Can you please verify Furniture is supplied by owner vs. part of GC Package?
- A8. Client supplies the furniture.
- Q9. What is your time frame for Furniture Quotes /Estimated installation dates?
- A9. Once the contractor wins the project, they should contact the furniture dealer and find out and put that in their schedule to meet the deadline.
- Q10. Are you accepting alternates for the furniture?
- A10. No.
- Q11. Bid drawing "DM-400", demolition note # 11 states "Existing Ceiling and Lighting to be removed and Stored for Reinstallation. Coordinate the exact demo. scope with mech. Dwgs". In contrast to this, bid drawing "A-400", Reflected ceiling plan note # 4 states "Remove & Replace existing ceiling tiles as required to complete mechanical work". Please clarify.
- A11. See attached revised DM-400.01 and A-400.01 with revised notes.
- Q12. Bid drawing "A-100", Construction plan note # 8 states "Relocated 36 existing lockers". However, the quantity of lockers depicted on the bid drawings are 24. Please clarify the exact quantity.
- A12. 24 lockers to be reinstalled. Contractor is responsible for disposal of the remaining 12 lockers. See attached revised a-100.01 with revised notes.
- Q13. Bid drawing "A-100", Construction plan note # 12 states "New courtesy telephone". Please specify the specifications of courtesy telephone as bid documents do not specify.
- A13. Courtesy telephone to be provided by FIT. Contractor to provide black box and empty conduit. Coordinate with FIT IT and their installer.
- Q14. Bid drawing "A-700", Door schedule specifies the thickness of corridor door 1 as 2-1/4 inch. However, the specified manufacturer has confirmed that they do not provide 2-1/4 inch thickness. Specified manufacturer has confirmed the thickness of door to be 1-3/4" inches. Please confirm.
- A14. 1-3/4" thickness is acceptable. See revised A-700.01
- Q15. a. Will FIT provide a room to GC, during the execution of project, to be used as site office?
b. Will FIT allow the GC, during execution of project, to use existing toilets?
- A15. a. No site office will be available, but the facility will try to accommodate.
b. Yes, however, GC is responsible for leaving it clean daily at the end of shift.

Q16. Will GC be allowed to use building elevator and stair case to access work area?

A16. Contractors- to use the staircase P to bring equipment & material up and down. They may also use the freight elevator in Dubinsky (which was shown to contractors who attended walk-through). The passenger elevator may not be used for equipment or materials, but the workers may use it for site access only.

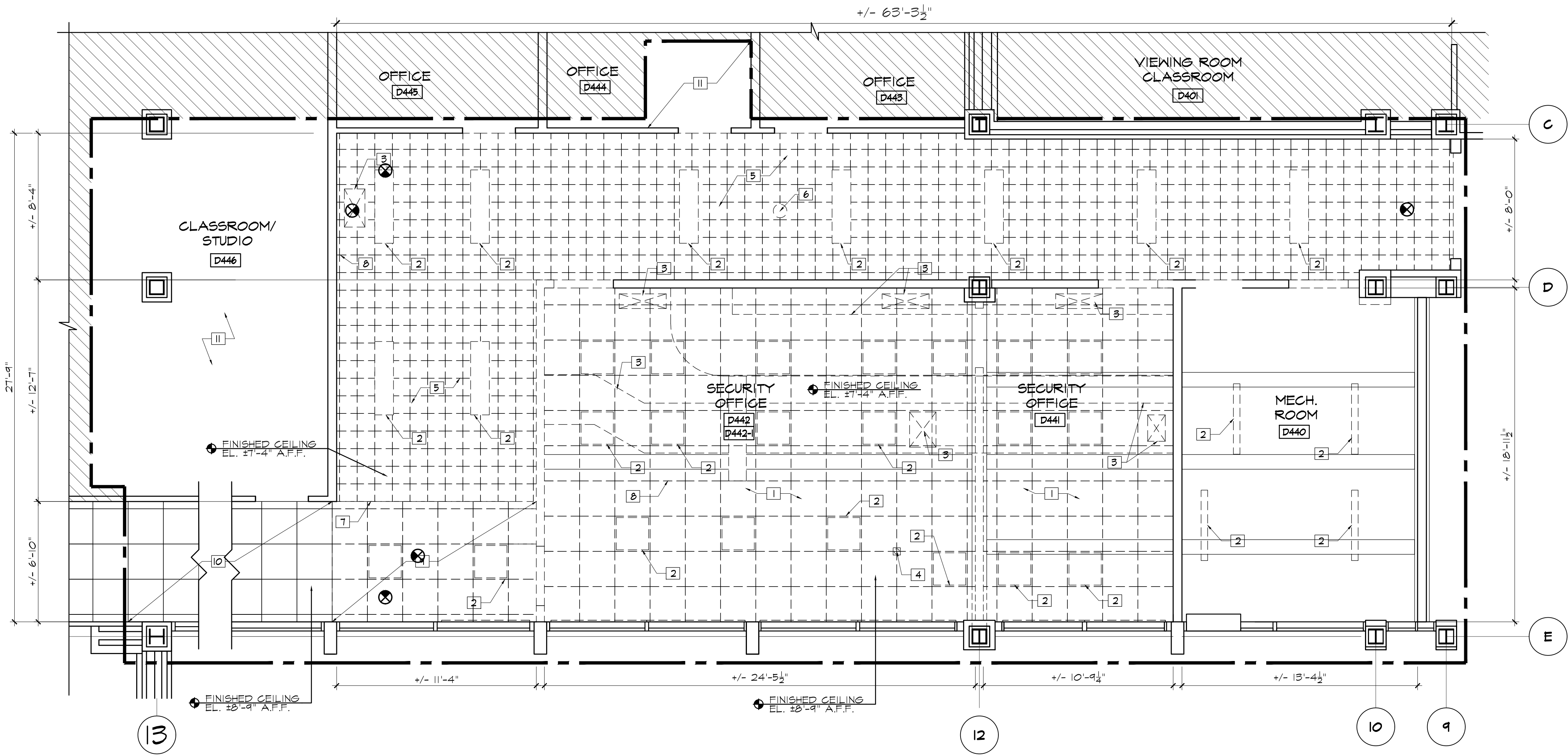
THIS ADDENDUM IS PART OF THE CONTRACT DOCUMENT AND SHALL BE INCLUDED WITH YOUR REQUEST FOR PROPOSAL SUBMITTAL. YOUR SIGNATURE BELOW WARRANTS THAT YOU UNDERSTAND THIS ADDENDUM AND THAT YOU HAVE MADE THE APPROPRIATE ADJUSTMENTS IN YOUR PROPOSAL AND CALCULATIONS.

Signature

Print Name and Title of Authorized Representative

Print Name of Company/Partnership/Individual

Date



1 4TH FLOOR DEMO RCP
SCALE : 1/4" = 1'-0"

DEMOLITION NOTES

- 1 REMOVE ALL EXISTING 2X2 CEILING TILES, HANGERS AND SUPPORTING FRAME.
- 2 REMOVE ALL CEILING LIGHTS.
- 3 REMOVE EXIST. CEILING VENTS AND DUCTWORK, SEE MECH. DWGS FOR DETAILS
- 4 REMOVE EXIST. LIGHT SENSOR.
- 5 REMOVE EXIST. SPLINE CEILING AND ALL SUPPORTS.
- 6 FIT TO REMOVE EXIST. WIRE ACCESS POINT (WAP)
- 7 REMOVE EXIST. SOFFIT.
- 8 REMOVE EXIST. SPEAKER
- 9 EXIST. 2X2 ACT & LIGHTING TO BE REMOVED AND STORED FOR REINSTALLATION
- 10 EXIST. 2X2 ACT & LIGHTING TO REMAIN & PROTECT AS REQ.
- 11 REMOVE AND INSTALL NEW CEILING TILES AS REQUIRED TO COMPLETE MECHANICAL WORK

GENERAL NOTES:

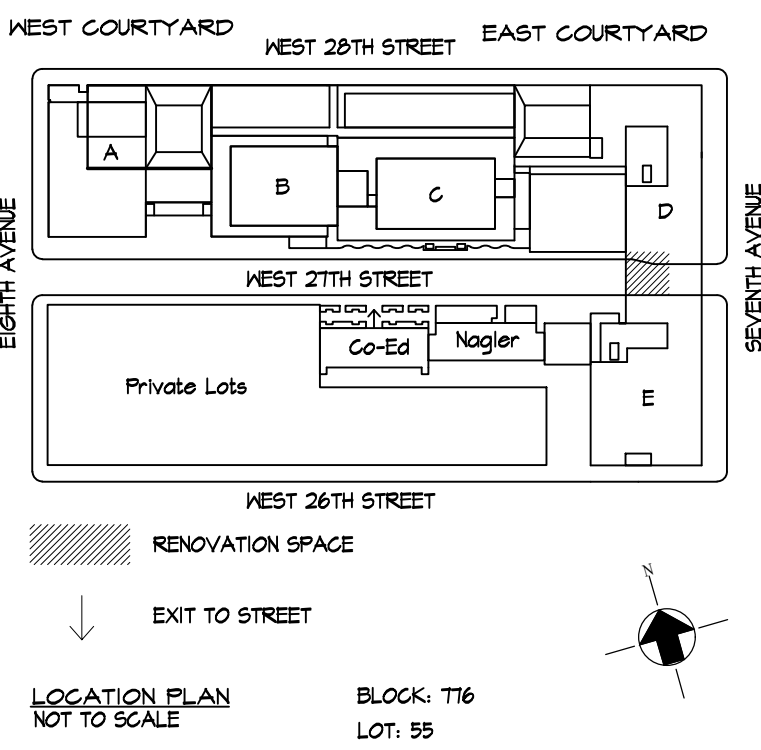
1. ALL EXISTING EQUIPMENT TO REMAIN TO BE PROTECTED AS REQUIRED.
2. CONTRACTOR TO PROVIDE PROTECTION TO ALL EXISTING WALLS AND CEILINGS THAT ARE TO REMAIN (TYP.).
3. PROTECT ALL ADJACENT AREAS AND PATHWAYS OF TRAVEL TO AND FROM AREAS OF WORK.

LEGEND

- ==>==>==>==> DOOR & DOOR FRAME TO BE REMOVED
===== WALL TO BE REMOVED
===== WALL TO REMAIN
- - - - - CONSTRUCTION LIMIT LINE

rev. no. date revisions

06/21/2023 ADDENDUM #2



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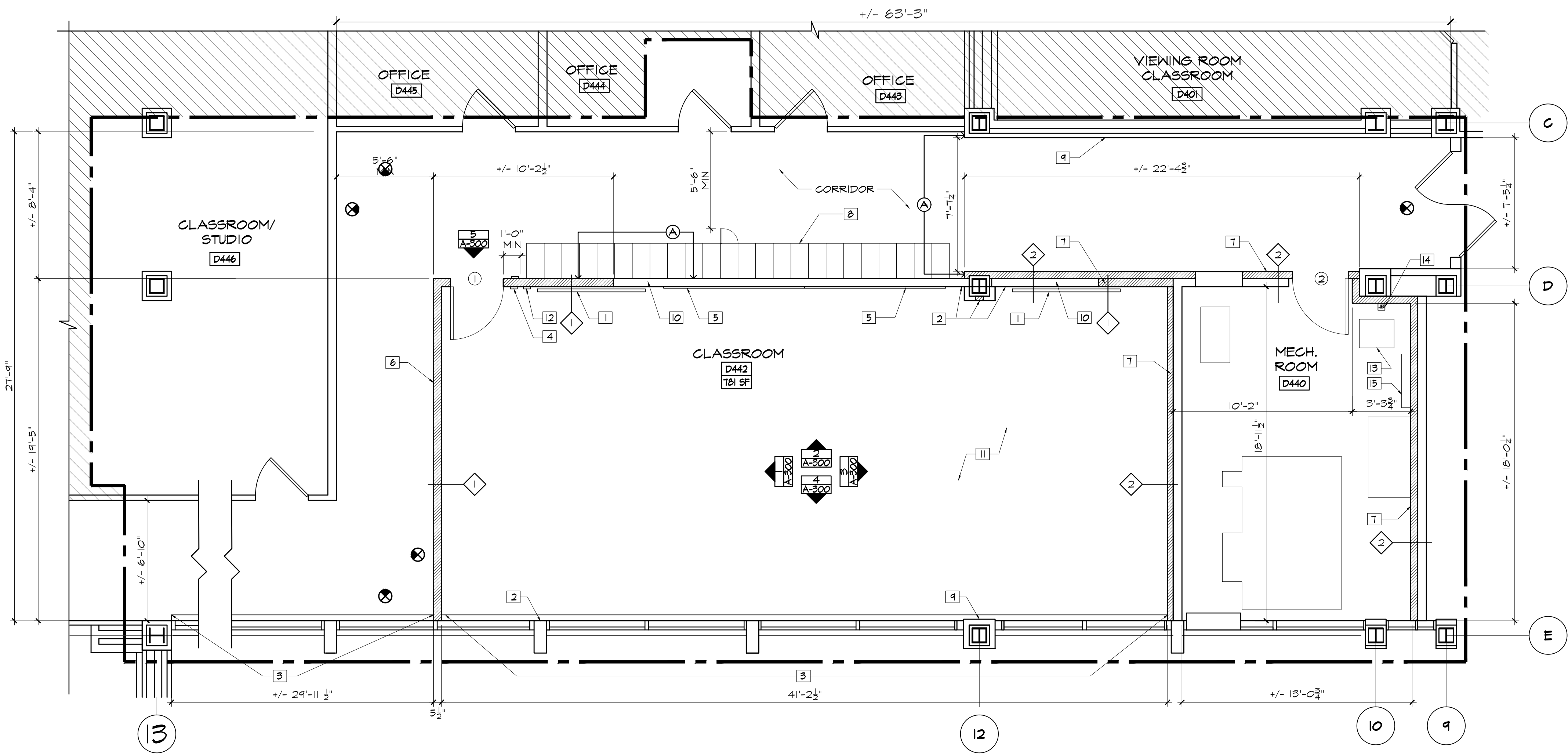
PROJECT:
D442 CLASSROOM RENOVATION
POMERANTZ 300 7TH AVE
NEW YORK NY 10001

DRAWING TITLE:

4TH FL DEMOLITION PLAN
REFLECTED CEILING PLAN

DEPARTMENT OF BUILDING JOB #

SEAL & SIGNATURE: DATE: 6.7.2023
PROJECT No: 223203
DRAWING BY: MS/MM
CHK BY: DH & CK
DWG No:
DM-400.01
SCALE: AS NOTED 4 of 12



1 4TH FLOOR PLAN
A-100
SCALE : 1/4" = 1'-0"

CONSTRUCTION PLAN NOTES

1. INSTALL TV MONITOR & PROVIDE BLOCKING AS REQ'D
2. PATCH EXISTING FIRE-PROOFING AS REQUIRED
3. NEW FTR COVER POWDER COATED COLOR WHITE. SEE MECHANICAL DRAWINGS (TYP).
4. LIGHTING CONTROL
5. NEW GLARUS FLOAT MAGNETIC GLASS MARKER BOARD W/BOX TRAY & PROVIDE BLOCKING AS REQ'D
6. NEW GNB WALL. SEE DRAWING A-100 FOR PARTITION TYPES.
7. NEW 2-HR RATED SHAFT PARTITION FURRED-OUT. PROVIDE FIRE STOPPING AT ALL RATED WALL PENETRATIONS (TYP)
8. RELOCATED 24 EXISTING LOCKERS. DISPOSE THE REMAINING 12
9. EXIST. LIMESTONE PANEL TO BE PATCHED, PREP TO RECEIVE PAINT. SEE A-201 FOR FINISHES.
10. PATCH EXIST. FIRE RATED WALL WHERE MECH. DUCTWORK HAS BEEN REMOVED USING WALL TYPE-I TO MATCH EXIST. WALL
11. PATCH EXIST. QUARRY TILE FLOOR & INSTALL SELF LEVELING
12. NEW COURTESY TELEPHONE
13. REINSTALL EXIST. HEATER
14. EXIST. J-BOX TO BE RELOCATED POWERED ONTO NEW FURRED OUT WALL.
15. EXIST. TELEPHONE WIRING TO BE RELOCATED BY FIT

CONSTRUCTION NOTES:

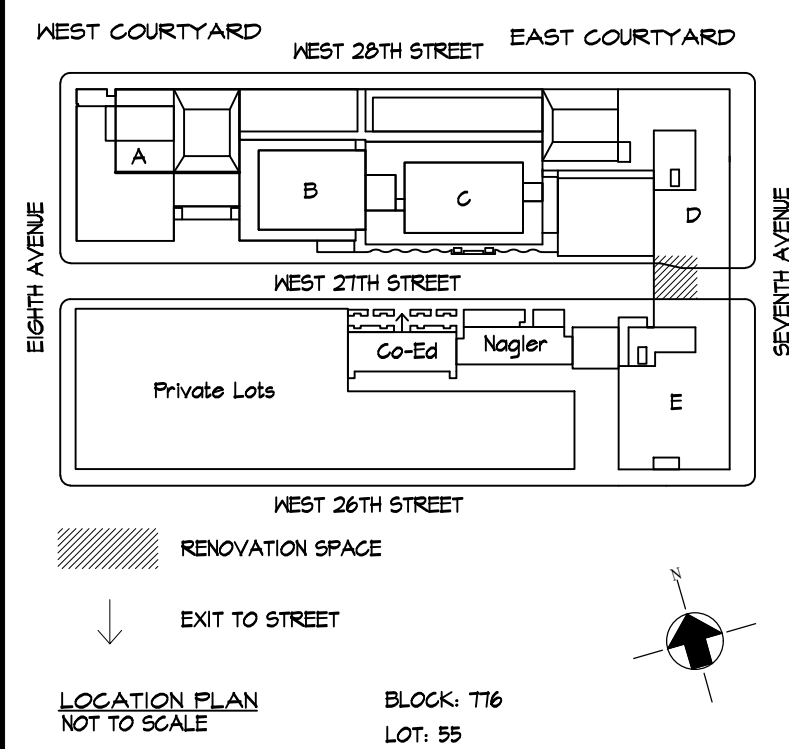
1. MAINTAIN MIN 5'-6" WIDTH FOR CORRIDOR

CONSTRUCTION LEGEND

- EXISTING WALL TO REMAIN
- NEW WALL
- NEW DOOR & FRAME W/ DOOR NUMBER

REV. NO. DATE REVISIONS

06/24/2023 ADDENDUM #2



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PROJECT:

D442 CLASSROOM RENOVATION
POMERANTZ 300 7TH AVE
NEW YORK NY 10001

DRAWING TITLE:

4H FLOOR PLAN

DEPARTMENT OF BUILDING JOB

SEAL & SIGNATURE:

DATE: 6.7.2023

PROJECT No: 223203

DRAWING BY: MS/MM

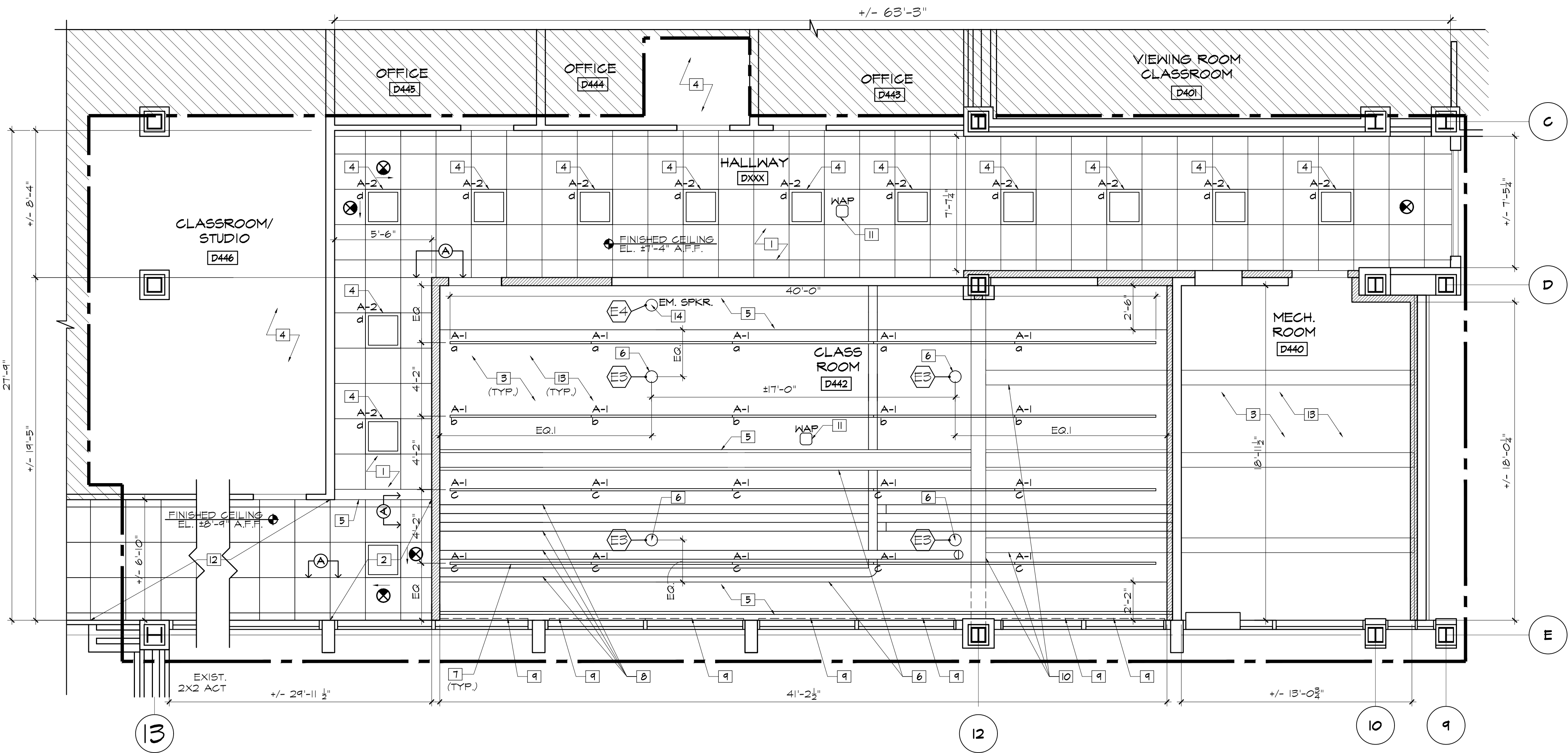
CHK BY: DH & CK

DWG No:

A-100.01

SCALE: AS NOTED

5 of 12



1 4TH FLOOR RCP
A-400
SCALE : 1/4" = 1'-0"

REFLECTED CEILING PLAN NOTES	
1	NEW 2'X2' ACT CEILING WITH SUSPENSION SYSTEM, MATCH EXIST.
2	REINSTALL EXIST. 2'X2' ACT & LIGHTING
3	PATCH & PAINT UNDERSIDE OF THE EXIST. STRUCTURAL SLAB
4	REMOVE & INSTALL NEW CEILING TILES AS REQUIRED TO COMPLETE MECHANICAL WORK
5	NEW GWB SOFFIT
6	NEW PENDANT SPEAKER (TYP) SEE EQUIPMENT SCHEDULE ON DWG. A-800
7	NEW PENDANT LIGHT (TYP)
8	ALL EXIST. PLUMBING PIPING IN CEILINGS TO BE INSULATED & FINISHED W/ PVC JACKETING (TYP)
9	NEW BLACK-OUT SHADES & POCKET COVER. PROVIDE BLOCKING AS REQ'D
10	PATCH, REPAIR & PAINT EXIST. CONCRETE BEAM (TYP)
11	WIRE ACCESS POINT (WAP)
12	EXIST. 2X2 ACT TO REMAIN
13	ACOUSTIC COTTON PANEL - ECHO ELIMINATOR - TO BE APPLIED TO UNDERSIDE OF SLAB
14	NEW EMERGENCY SPEAKER. SEE EQUIPMENT SCHEDULE ON DWG. A-800

LEGEND:	
	LINEAR LIGHTING
	2X2 FIXTURE
	CLG MOUNTED EXIT SIGN
	WALL MOUNTED EXIT SIGN
	CEILING MOUNTED WIRELESS ACCESS POINT
	CEILING RECESSED EMERGENCY SPEAKER
	RETURN AIR REGISTER
	SUPPLY AIR REGISTER
	ACCESS PANEL

RCP NOTES:
1. REFER TO MECHANICAL DRAWINGS FOR HVAC EQUIPMENT INFORMATION, INCLUDING FIN TUBE COVERS
2. ALL WAP UNITS ARE TO BE COORDINATED WITH FIT IT.
3. REFER TO ELECTRICAL DRAWINGS FOR LIGHTING CONTROL INFORMATION.
4. CONTRACTOR TO SUPPLY & INSTALL (8) 18"X18" GRFC ACCESS PANELS TAPED & SPACKLED INTO GWB SOFFIT. LOCATIONS TO BE COORDINATED IN THE FIELD.

LIGHTING FIXTURE SCHEDULE									
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TYPE	FIXTURE DESCRIPTION	MANUFACTURER	LAMP QUANT.	LAMP TYPE	TOTAL WATTS	VOLTAGE	CONTROL	MTG HEIGHT	COMMENTS
A1	QUICKLINE LINEA 1.5" PENDANT DIRECT/INDIRECT	QUICKLINE GLP1-032	20	LED 3500K	108	UNV	0-10V DIM	8'-0" AFF	DIMMABLE, UP/DOWN LIGHT FEATURE INDIVIDUALLY CONTROLLED, 4 PRE-SET SETTINGS, SUSPENDED, WHITE FINISH, 8'-0" LENGTH
A2	EZPAN LOW-PROFILE LED PANEL 2'X2' EDGE-LIT PANELS.	RAB	12	LED 4000K	360	120V 50/60Hz	0-10V DIM	+/- 7'-4" AFF	DIMMABLE, RECESSED DRYWALL MOUNTED, MATCH EXIST.
	UNO EDGE LIT EXIT SIGN	ENCORE LIGHTING		LED				±8'-2" AFF	CLG MOUNTED SINGLE FACE CLEAR

rev. no. date revisions

06/24/2023 ADDENDUM #2

WEST COURTYARD WEST 28TH STREET EAST COURTYARD

WEST 27TH STREET

Private Lots

WEST 26TH STREET

RENOVATION SPACE

EXIT TO STREET

LOCATION PLAN
NOT TO SCALE

BLOCK: T16
LOT: 55

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PROJECT:
D442 CLASSROOM RENOVATION
POMERANTZ 300 7TH AVE
NEW YORK NY 10001

DRAWING TITLE:

4TH FLOOR RCP
& LIGHTING SCHEDULE

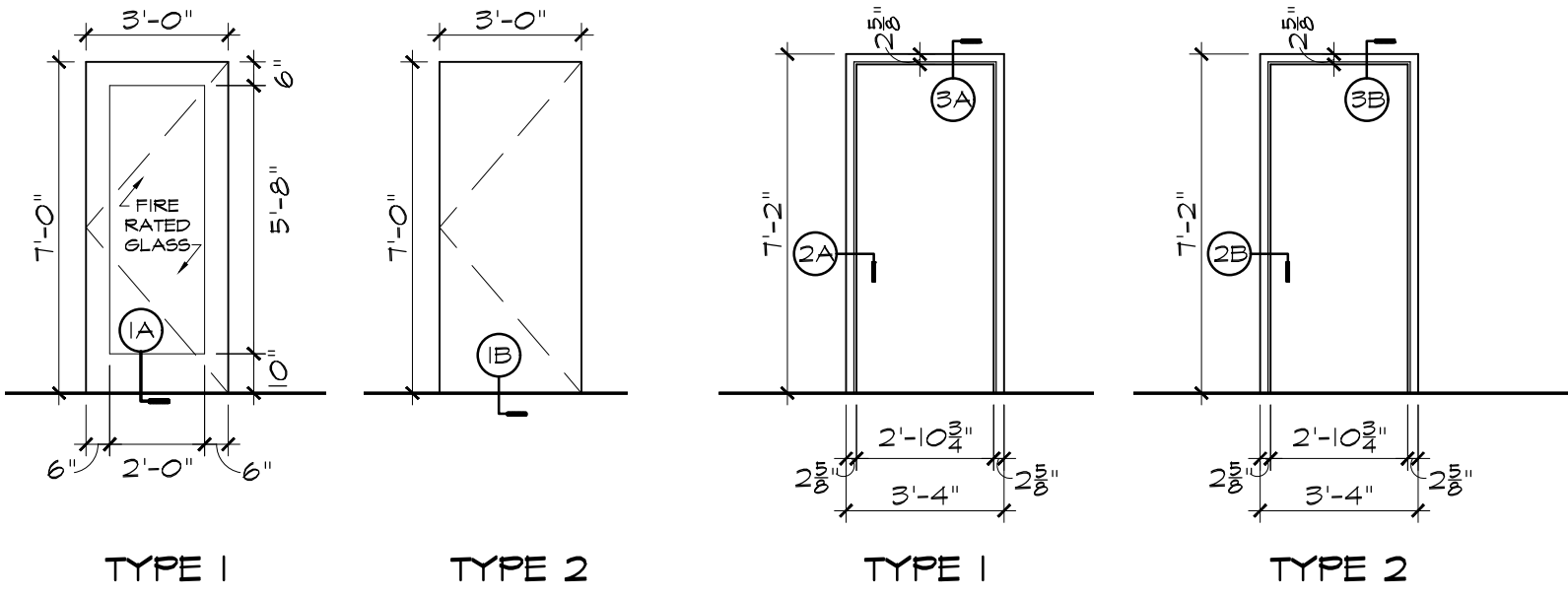
DEPARTMENT OF BUILDING JOB #

SEAL & SIGNATURE:	DATE: 6.7.2023
	PROJECT No: 223203
	DRAWING BY: MS/MM
	CHK BY: DH & CK
DWG No:	
A-400.01	
SCALE: AS NOTED	7 of 12

Door Schedule

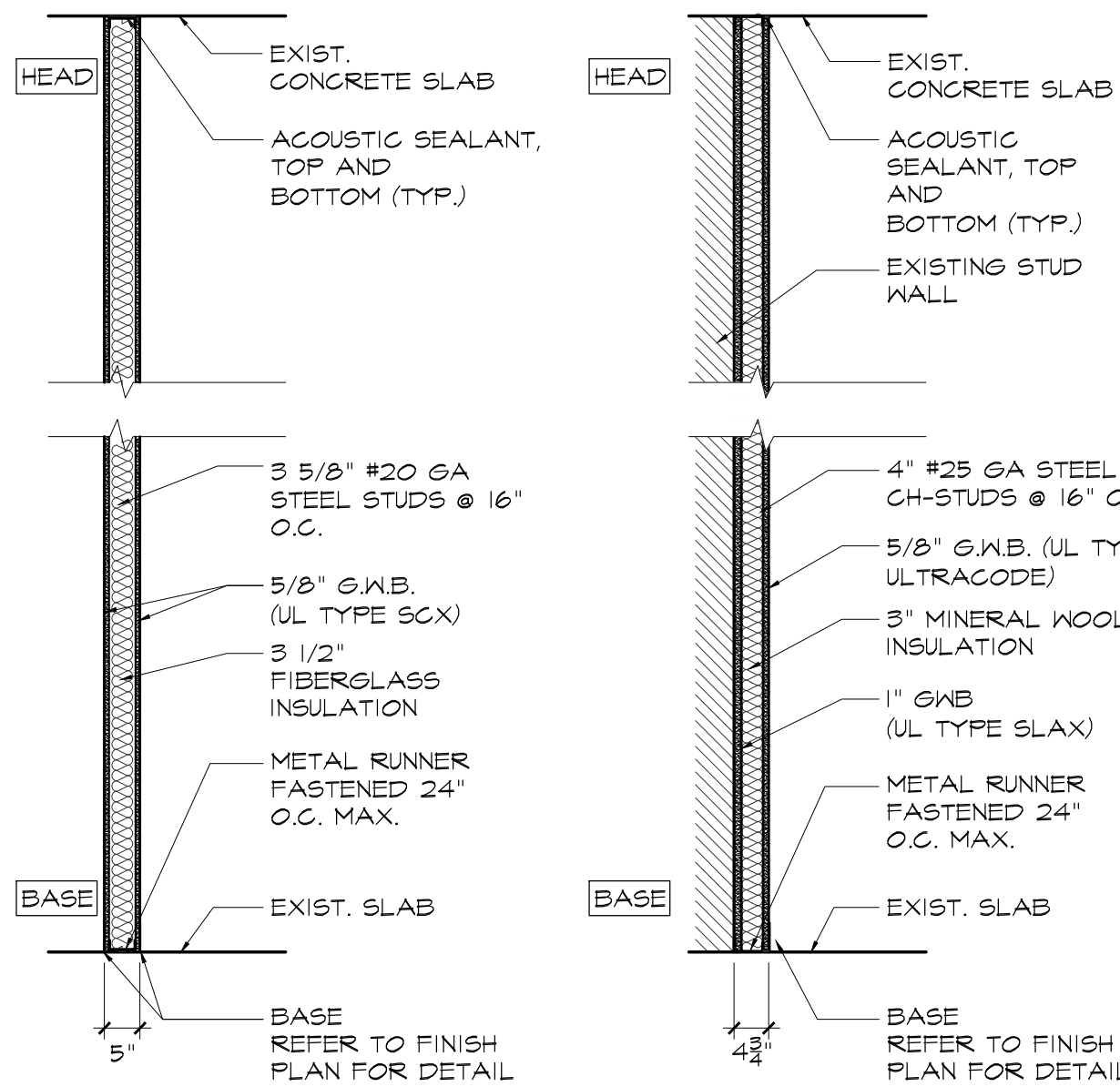
DOOR		DOORS				FRAMES				LABEL	HARDWARE SET	REMARKS	
#	FROM TO	SIZE	THICK	MAT.	TYPE	MAT.	TYPE	JAMB	HEAD				
①	CORRIDOR	D442	3'-0"x1'-0"	1-3/4"	H.M./GLASS	I	H.M.	I	2A	3A	UL 45 MIN	1	FIRE RATED GLASS
②	CORRIDOR	D440	3'-0"x1'-0"	1 3/4"	H.M.	II	H.M.	2	2B	3B	1.5 HR	2	

NOTES:
1. ALL DIMENSIONS ARE TO MATCH EXISTING DOORS TO BE REMOVED.
VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION.



1 DOOR TYPE
SCALE : 1/4" = 1'-0"

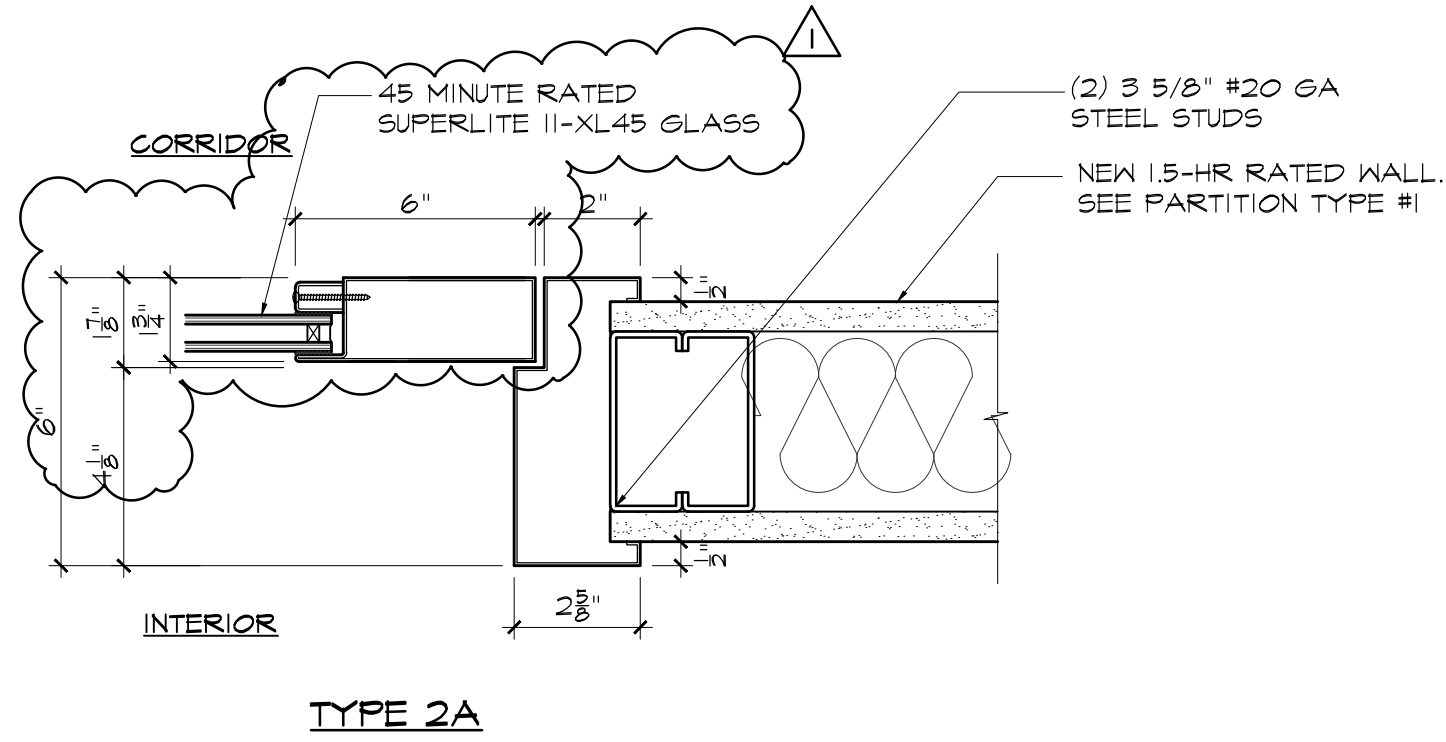
2 FRAME TYPE
SCALE : 1/4" = 1'-0"



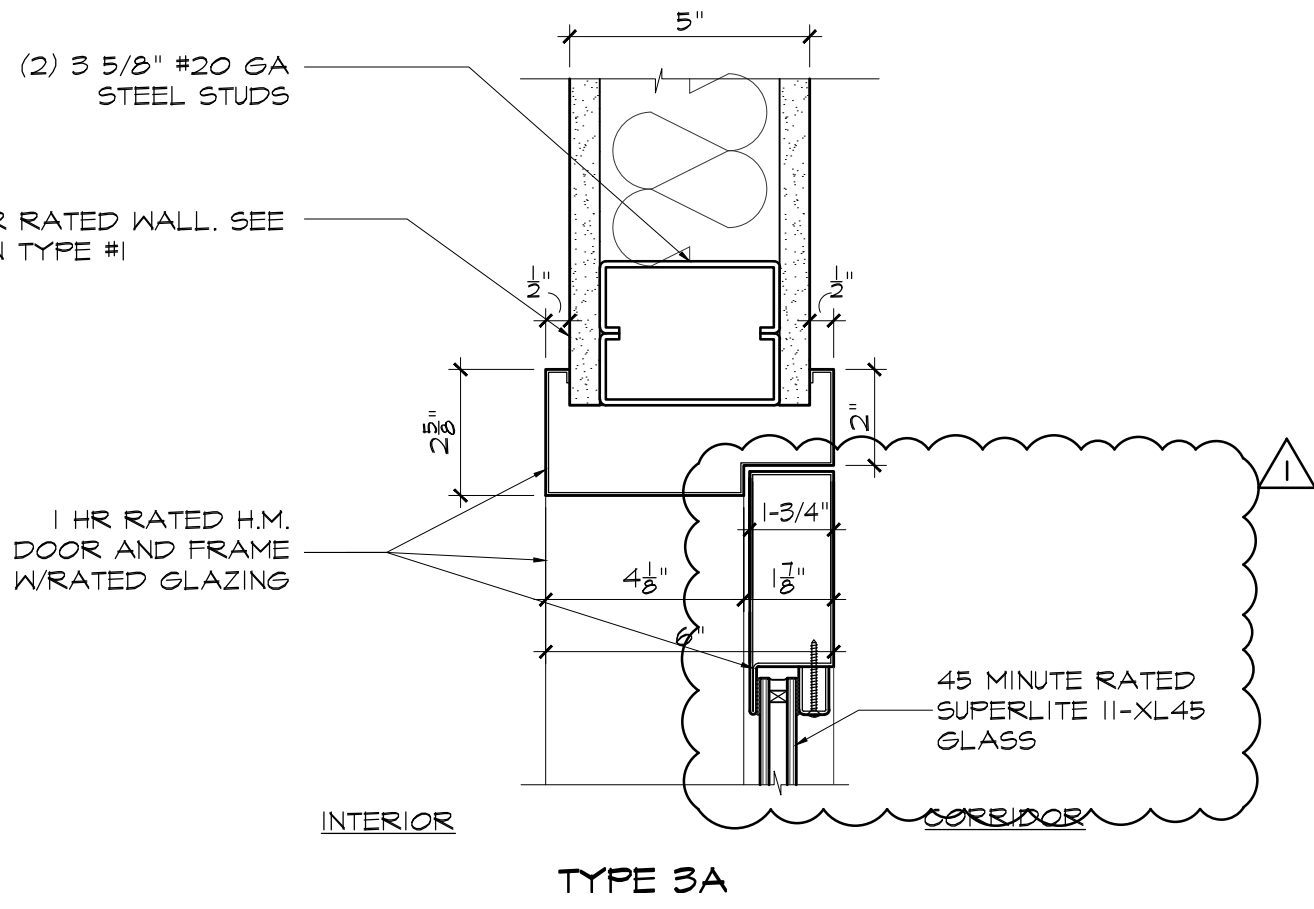
SOUND-INSULATED STC 49
1-HR RATED PARTITION
UL DESIGN #1419

SOUND-INSULATED STC 51
2-HR RATED PARTITION
UL DESIGN #1415

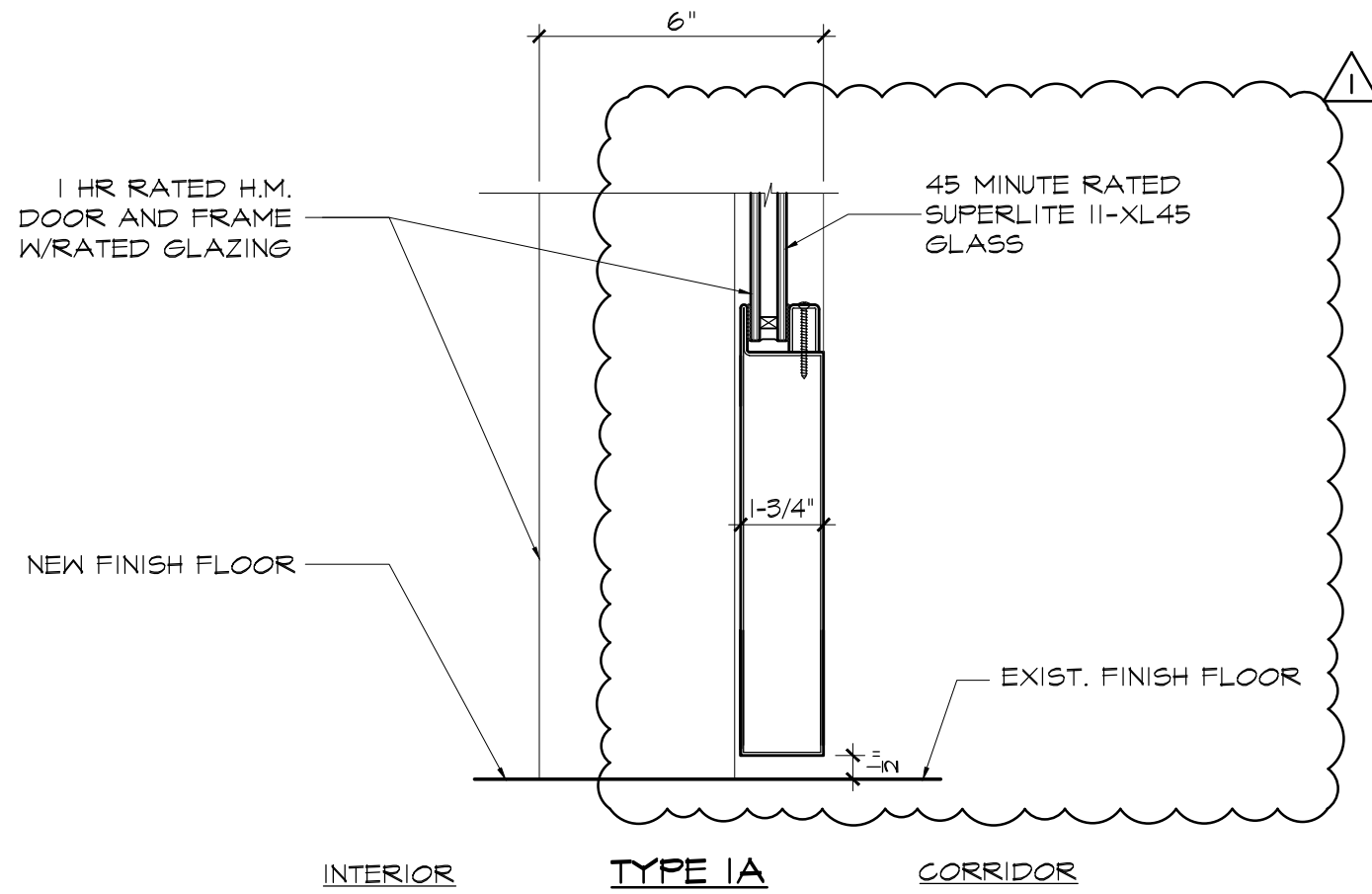
3 PARTITION SCHEDULE
SCALE : 1/2" = 1'-0"



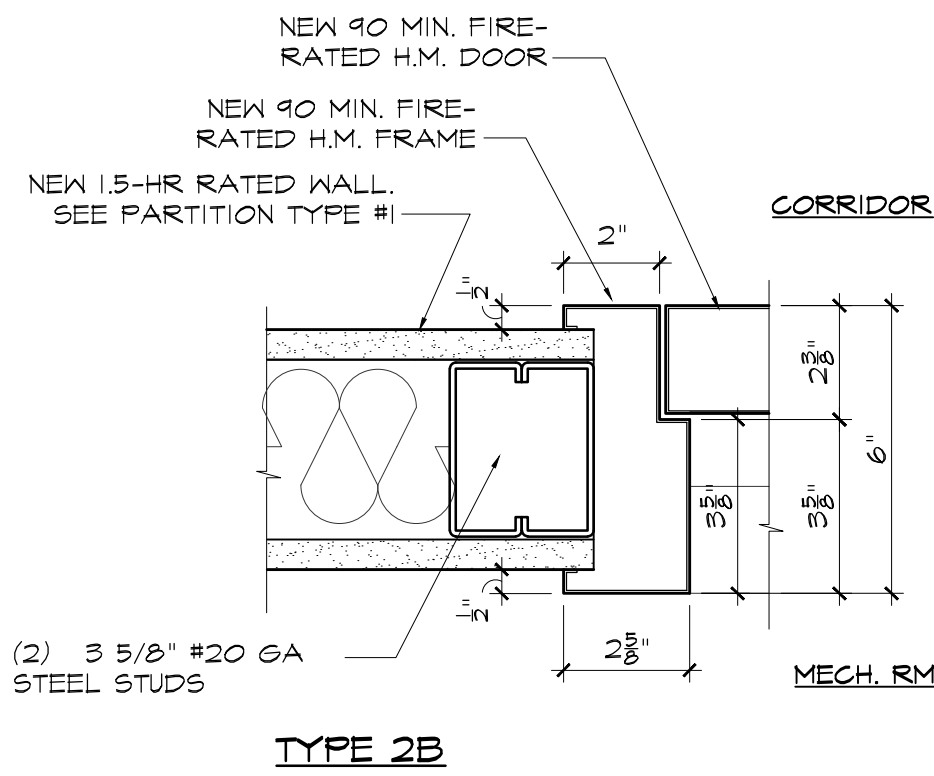
4 DOOR JAMB DETAIL
SCALE : 3" = 1'-0"



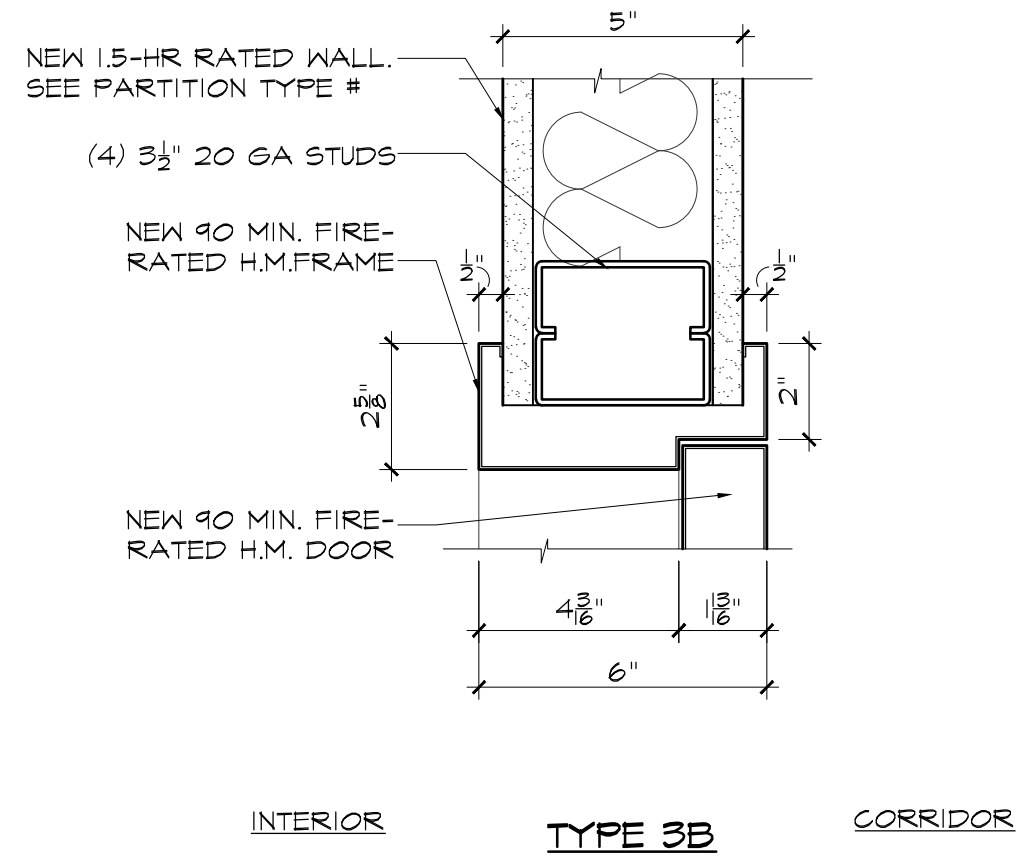
5 DOOR HEAD DETAILS
SCALE : 3" = 1'-0"



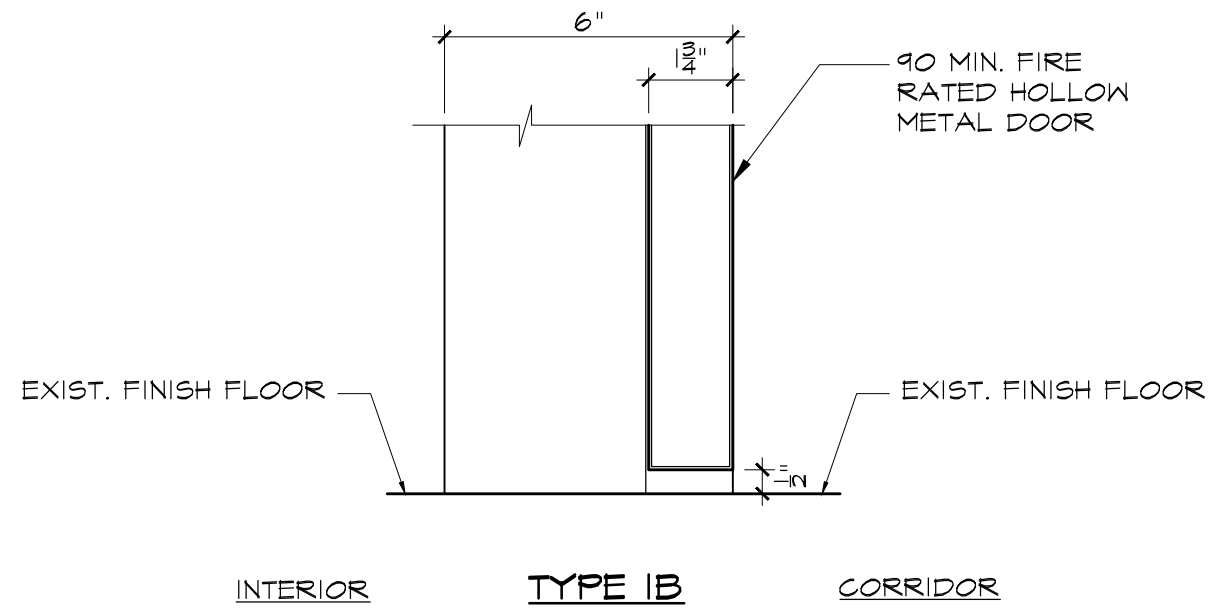
6 DOOR TYPES DETAILS
SCALE : 3" = 1'-0"



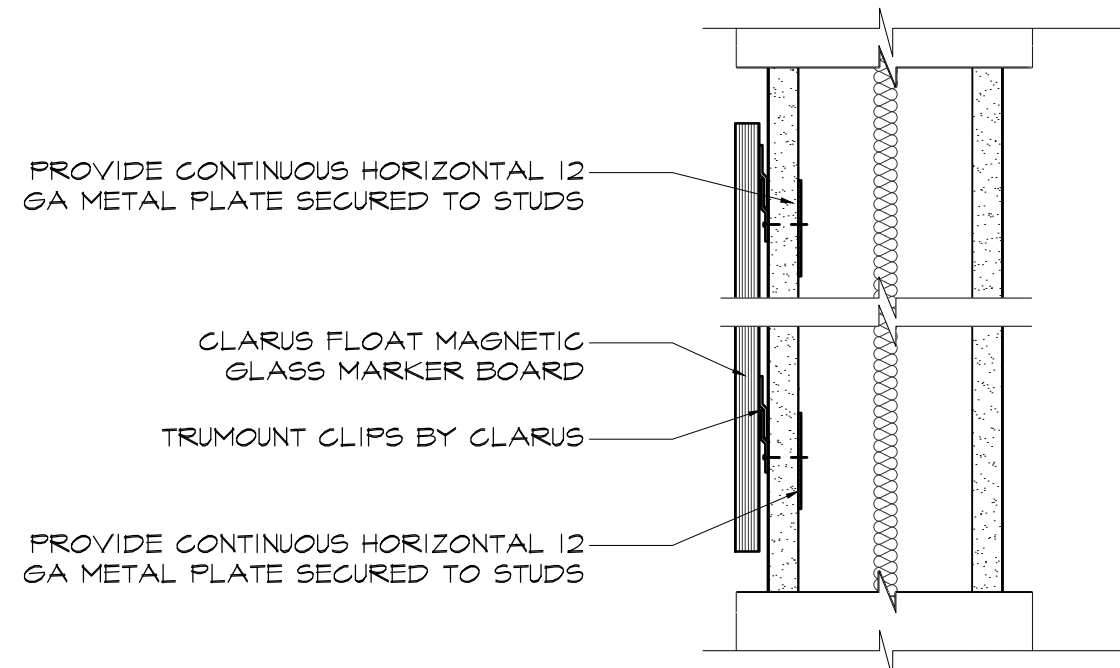
7 DOOR JAMB DETAIL
SCALE : 3" = 1'-0"



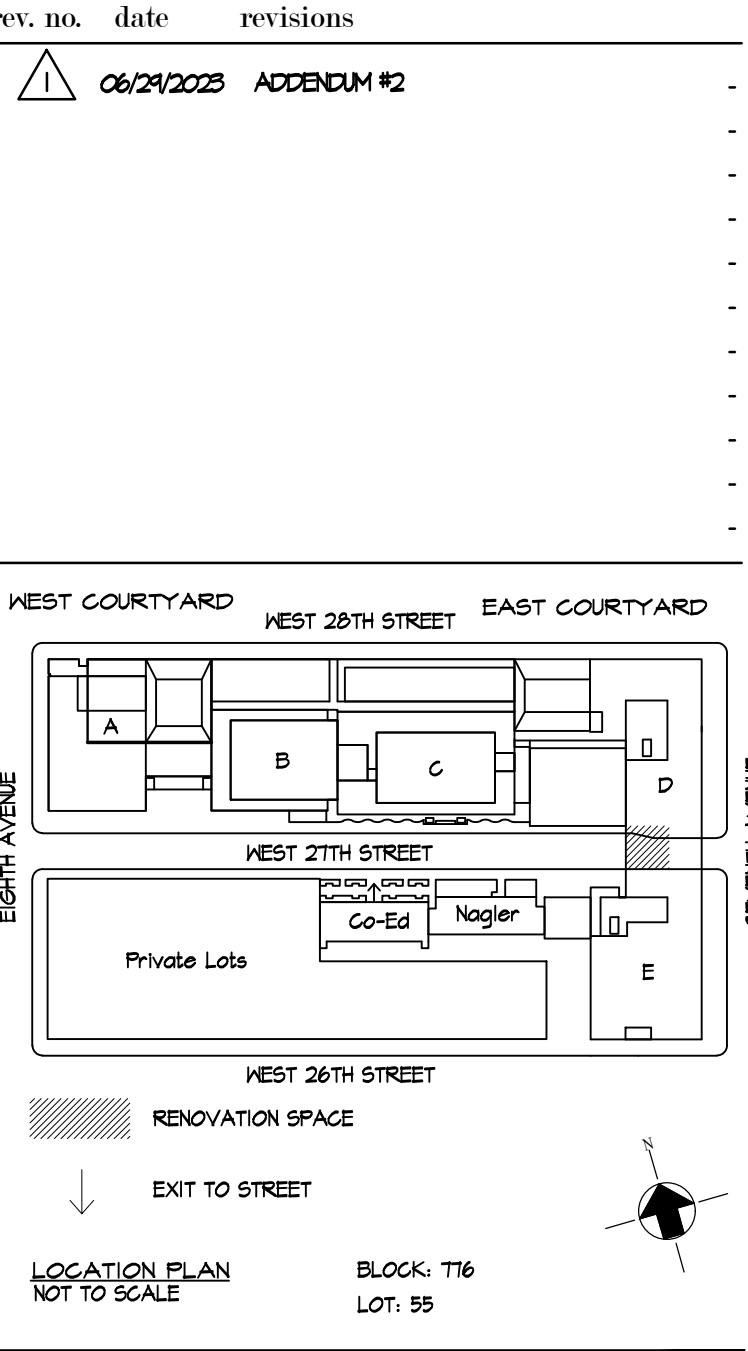
TYPE 3B CORRIDOR



TYPE 1B CORRIDOR



10 GLASS MARKER BOARD MOUNTING DETAIL
SCALE : 3" = 1'-0"



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PROJECT:
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DRAWING TITLE:

PARTITION &
DOOR SCHEDULE & DETAILS

DEPARTMENT OF BUILDING JOB #

SEAL & SIGNATURE: DATE: 6.7.2023
PROJECT No: 223203
DRAWING BY: MS/MM
CHK BY: DH & CK
DWG No:
A-700.01
SCALE: AS NOTED 8 of 12

SYMBOL LIST AND ABBREVIATIONS		
ABBREV.	SYMBOL	DESCRIPTION
(E)		EXISTING WORK TO REMAIN
		NEW WORK
		EXISTING WORK TO BE REMOVED
		DIRECTION OF FLOW
		RETURN OR EXHAUST DUCT DOWN
		RETURN OR EXHAUST DUCT UP
		SUPPLY DUCT DOWN
		SUPPLY DUCT UP
MD		MOTORIZED DAMPER
FSD/AD, FD/AD, SD/AD		FIRE & SMOKE DAMPERS W/ACCESS DOOR IN DUCT AT WALL
		ACOUSTICALLY LINED DUCT
		DUCT MOUNTED SMOKE DETECTOR W/AD
		CARBON DIOXIDE SENSOR
		THERMOSTAT WITH DISPLAY
		HUMIDISTAT WITH DISPLAY
		CONNECT NEW TO EXISTING WORK
		POINT OF DISCONNECTION, CAP IF NOT TO BE RECONNECTED
TS		TEMPERATURE SENSOR
		THERMOMETER
		WATER PRESSURE GAUGE
		STEAM PRESSURE GAUGE WITH SYPHON
AAV		AUTOMATIC AIR VENT
CV		TWO WAY CONTROL VALVE
		THREE WAY CONTROL VALVE
		BUTTERFLY VALVE
		BUTTERFLY CONTROL VALVE
PSV		SAFETY RELIEF VALVE
		GATE VALVE / SHUT-OFF VALVE
		GLOBE VALVE
		BALL VALVE
		CHECK VALVE
		PLUG VALVE
		COMBINATION FLOW MEASURING AND BALANCING VALVE
		NEEDLE VALVE
		NEEDLE VALVE WITH BLOCK AND BLEED
		STRAINER WITH CAPPED BLOW-DOWN VALVE
TDV		TRIPLE DUTY VALVE
		ECCENTRIC REDUCER
		UNION
		CHILLED WATER RETURN
		CHILLED WATER SUPPLY
		LOW PRESSURE CONDENSATE RETURN
		LOW PRESSURE STEAM
		COLD (CITY) WATER
		PIPE DOWN
		PIPE UP
		END CAP
		PUMP

ABBREVIATIONS	
ABV	ABOVE
AC	AIR CONDITIONING
ACC	AIR COOLED CONDENSER
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AFM	AIR FLOW MEASURING STATION
AHU	AIR HANDLING UNIT
AL	ACOUSTIC LINING
APD	AIR PRESSURE DROP
ATC	AUTOMATIC TEMPERATURE CONTROL
BHP	BRAKE HORSEPOWER
BG	BOTTOM GRILLE
BMS	BUILDING MANAGEMENT SYSTEM
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BR	BOTTOM REGISTER
BTU	BRITISH THERMAL UNITS
CAR	CONSTANT AIRFLOW REGULATOR
CD	CONDENSATE DRAIN
CFM	CUBIC FEET OF AIR PER MINUTE
CHWS/R	CHILLED WATER SUPPLY AND RETURN
CO	CLEANOUT
COP	COEFFICIENT OF PERFORMANCE
CR	CEILING REGISTER
CT	COOLING TOWER
CTE	CONNECT TO EXISTING
CW	DOMESTIC COLD WATER MAKE-UP
CWS/R	CONDENSER WATER SUPPLY AND RETURN
DB	DRY BULB (TEMPERATURE)
DDC	DIRECT DIGITAL CONTROL
DN	DOWN
DP	DIFFERENTIAL PRESSURE
DR	DRAIN
DWG	DRAWING
E	EXISTING
EAT	ENTERING AIR TEMPERATURE
EBH	ELECTRIC BASEBOARD HEATER
ELEV	ELEVATION
ESP	EXTERNAL STATIC PRESSURE
EUH	ELECTRIC UNIT HEATER
EW	ENTERING WATER TEMPERATURE
FC	FLEXIBLE CONNECTION
FD	FIRE DAMPER
FSD	COMBINATION FIRE/SMOKE DAMPER
FLA	FULL LOAD AMPERES
FLR	FLOOR
FOF	FUEL OIL FILL
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL VENT
FS	FEET PER MINUTE
FT	FEET
FTR	NOT WATER FINNED TUBE RADIATION
GA	GAUGE
GAL	GALLONS
GPM	GALLONS PER MINUTE
GS/R	GLYCOL SUPPLY AND RETURN
HP	HORSEPOWER
HP/LS/R	HEAT PUMP LOOP SUPPLY AND RETURN
HWS/R	HOT WATER SUPPLY AND RETURN
HZ	HERTZ
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LD	LINEAR DIFFUSER
LRA	LOCKED ROTARY AMPS
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR
MCA	MINIMUM CIRCUIT AMPACITY
MD	MOTORIZED DAMPER
MEER	MECHANICAL EQUIPMENT ROOM
MFS	MAXIMUM FUSE SIZE
MHP	MOTOR HORSEPOWER
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
NC	NORMALLY CLOSED
NIC	NOT IN CONTACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OAI	OUTSIDE AIR INTAKE
OED	OPEN ENDED DUCT
PD	PRESSURE DROP
PH	PHASE
PRV	PRESSURE REDUCING VALVE
RG	RETURN GRILLE
RL	REFRIGERANT LIQUID PIPING
RLA	RUNNING LOAD AMPS
RPM	REVOLUTIONS PER MINUTE
RR	RETURN REGISTER
RS	REFRIGERANT SUCTION PIPING
SD	SMOKE DAMPER
SEN	SENSIBLE
SG	SUPPLY GRILLE
SR	SUPPLY REGISTER
SPXF	SMOKE PURGE EXHAUST FAN
TG	TOP GRILLE
TO	TRANSFER OPENING
TR	TOP REGISTER
TRXF	TRASH ROOM EXHAUST FAN
TSP	TOTAL STATIC PRESSURE
TX	TOILET EXHAUST
TYP	TYPICAL
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
V	VENT
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
VRF	VARIABLE REFRIGERANT FLOW
VRV	VARIABLE REFRIGERANT VOLUME
WB	WET BULB (TEMPERATURE)
WC	WATER COLUMN
WCC	WATER COOLED CONDENSER
WMS	WIRE MESH SCREEN
WPD	WATER PRESSURE DROP
WT	WEIGHT

N.Y.C. BUILDING DEPARTMENT NOTES	
1.	ALL WORK SHALL COMPLY WITH THE APPLICABLE SECTIONS OF THE BUILDING CODE, NEW YORK CITY, EFFECTIVE NOVEMBER 7, 2022 AND ALL AMENDMENTS AND RULES AND REGULATIONS OF THE DEPARTMENT OF BUILDINGS TO DATE, AND MATERIALS AND EQUIPMENT SUBJECT TO SPECIAL INSPECTION.
2.	THE FOLLOWING SPECIAL INSPECTIONS ARE REQUIRED BY THE NYC BUILDING CODE FOR HVAC SYSTEMS: a) MECHANICAL SYSTEMS - BC 1705.21 b) MECHANICAL AND ELECTRICAL COMPONENTS - 1705.12.3 c) ENERGY CODE COMPLIANCE INSPECTIONS - BC 110.3.5 d) FINAL INSPECTIONS - UNDER DIRECTIVE 14
3.	THE FOLLOWING ENERGY CODE INSPECTIONS ARE REQUIRED BY THE NYC ENERGY CONSERVATION CODE FOR HVAC SYSTEMS: a) VENTILATION AND AIR DISTRIBUTION SYSTEM (IB2) b) HVAC-R AND SERVICE WATER HEATING EQUIPMENT - (IB3), (IB3) c) HVAC-R AND SERVICE WATER HEATING SYSTEM CONTROLS - (IB4), (IB4) d) HVAC-R AND SERVICE WATER PIPING DESIGN AND INSULATION - (IB5), (IB5) e) MAINTENANCE INFORMATION - (ID1), (ID1) f) DUCT LEAKAGE TESTING, INSULATION AND DESIGN - (IB6), (IB6)
4.	TEST OF MECHANICAL SYSTEMS SHALL BE PERFORMED IN ACCORDANCE WITH SECTION- MC 108 AND THE FOLLOWING SECTIONS OF THE NEW YORK CITY MECHANICAL CODE: a) VENTILATION SYSTEM BALANCING - MC 403.3.1.6
5.	THE FOLLOWING WORK ITEMS, COMPONENTS, MATERIALS, CAPACITIES, ETC., SHALL COMPLY WITH THE FOLLOWING CODE REFERENCE. a) TEMPERATURE CONTROL - MC 309 b) NOISE CONTROL AND VIBRATION ISOLATION REQUIREMENTS - MC 313 c) DUCT CONSTRUCTION, SUPPORT - MC 603 d) FIRE DAMPERS AND SMOKE DAMPERS AND SMOKE DETECTORS - MC 607
6.	68 DEGREES F IS THE MINIMUM TEMPERATURE TO BE MAINTAINED IN OCCUPIED SPACES DURING HEATING SEASON
7.	VENTILATION FOR ALL AREAS SHALL COMPLY WITH MC 401
8.	UPON COMPLETION OF THIS VENTILATION SYSTEM, A TEST SHALL BE CONDUCTED IN THE PRESENCE OF AND DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR HAVING NOT LESS THAN FIVE (5) YEARS OF EXPERIENCE SUPERVISING INSTALLATION OF VENTILATING SYSTEMS. THE TEST SHALL SHOW COMPLIANCE WITH THE CODE REQUIREMENTS FOR VENTILATION AND THE PROPER FUNCTIONING OF ALL OPERATING DEVICES BEFORE THE SYSTEM IS APPROVED. THE LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT WHO CONDUCTS THE TESTS SHALL FILE A CERTIFICATE AS TO WHETHER THE SYSTEM COMPLIES WITH THE APPLICABLE LAWS. HE SHALL ALSO FILE WITH THE CERTIFICATION, A REPORT OF THE TEST, THE TEST AND REPORT SHALL BE MADE IN A MANNER SATISFACTORY TO THE SUPERINTENDENT. A STATEMENT SHALL BE FILED BY THE OWNER OR TENANT IN POSSESSION THAT THE SYSTEM WILL BE KEPT IN CONTINUOUS OPERATION AT ALL TIMES DURING NORMAL OCCUPANCY OF THE STRUCTURE AS PROVIDED IN THE APPLICABLE SECTIONS OF THE CODE. BASE BUILDING PLANS ARE FILED FOR SINGLE TENANT OCCUPANCY. ALL TENANT PLANS WILL BE FILED UNDER SEPARATE APPLICATIONS.
9.	ALL FIRE DAMPERS SHALL BE APPROVED BY THE NEW YORK CITY DEPARTMENT OF BUILDINGS AND SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH UL 555, STANDARD FOR FIRE DAMPERS AND CEILING DAMPERS.
10.	REFER TO ARCHITECTURAL DRAWING FOR FIRE RATED WALL LOCATIONS AND RATED CONSTRUCTION.

NOTE
SYMBOLS AND ABBREVIATIONS LISTED IN THE TABLES ABOVE ARE TYPICAL FOR HVAC AIR AND WATER DISTRIBUTION SYSTEMS. NOT ALL OF LISTED SYMBOLS OR ABBREVIATIONS WERE USED IN THIS PROJECT.

GENERAL NOTES	
1.	ANY EXISTING LEAD-BASED PAINT AREAS OF THE BUILDING WHERE THE CONTRACTOR AND ITS SUBCONTRACTORS ARE REQUIRED TO WORK SHALL BE MITIGATED PRIOR TO BEGINNING WORK. SUCH MITIGATION MAY INCLUDE FIT DIRECTING THE CONTRACTOR TO TAKE NECESSARY PRECAUTIONS AND WEAR PROTECTIVE GEAR TO WORK IN THE VICINITY OF THE LEAD PAINT. CONTRACTOR WILL NOT BE RESPONSIBLE FOR DELAYS CAUSED BY THE MITIGATION ACTIVITIES OR ANY ASSOCIATED COSTS.
2.	ALL PIPING AND DUCTWORK SHALL BE SUSPENDED FROM BUILDING STRUCTURE ONLY, EXCEPT AS SPECIFICALLY ALLOWED IN THE SPECIFICATIONS. HVAC CONTRACTOR SHALL PROVIDE SUPPLEMENTARY STEEL AS NECESSARY TO SUPPORT PIPES AND DUCTS FROM BUILDING STRUCTURE. THE ARCHITECT AND STRUCTURAL ENGINEER SHALL BE THE SOLE DETERMINANT AS TO PERMISSIBILITY OF HANGING NEW WORK FROM BUILDING STRUCTURE AND SLABS.
3.	PIPING AND DUCTWORK PROVIDED UNDER THIS CONTRACT SHALL BE COORDINATED UNDER THIS CONTRACT WITH WORK BEING PROVIDED BY OTHER TRADES.
4.	WHILE THE DRAWINGS SHALL BE ADHERED TO AS CLOSELY AS POSSIBLE, THE ARCHITECT'S RIGHT IS RESERVED TO VARY THE RUN AND SIZE OF DUCTS DURING THE PROGRESS OF THE WORK IF REQUIRED TO MEET CEILING HEIGHTS, TO MEET STRUCTURAL AND FIELD CONDITIONS. CONTRACTOR SHALL PROVIDE REDRAWING OF SHOP DRAWINGS AS NECESSARY TO ACCOMMODATE THE ARCHITECT'S REQUIREMENTS, AT NO ADDITIONAL COST TO THE OWNER. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR REQUIRED CEILING HEIGHTS.
5.	INSTALL ALL DUCTWORK IN STRICT ADHERENCE TO THE CEILING HEIGHTS INDICATED ON THE ARCHITECT'S DRAWINGS. CONSULT WITH OTHER CONTRACTORS AND IN CONJUNCTION WITH THE OTHER CONTRACTORS, ESTABLISH THE NECESSARY SPACE REQUIREMENTS FOR EACH TRADE.
6.	THE SHEET METAL DUCTWORK SHALL, WHETHER INDICATED OR NOT, RISE AND/OR DROP AND/OR CHANGE IN SHAPE TO CLEAR ANY AND ALL OTHER DUCTWORK, CONDUITS, LIGHTING FIXTURES, PLUMBING AND HEATING/COOLING MAINS TO MAINTAIN THE DESIRED CEILING HEIGHTS AND TO PROVIDE ADEQUATE MAINTENANCE ROOM AND HEADROOM IN MECHANICAL EQUIPMENT ROOMS. THE DRAWINGS, IN GENERAL, DO NOT SHOW ALL RISES, DROPS AND DUCT TRANSITIONS REQUIRED. THE DRAWINGS SHOW GENERAL ROUTING REQUIREMENTS ONLY.
7.	ALL RECTANGULAR DUCTWORK, UNLESS OTHERWISE NOTED, SHALL BE BUILT FROM GALVANIZED SHEET STEEL AND THOROUGHLY BRACED AND STIFFENED.
8.	PROVIDE 12" x 12" ACCESS DOORS EVERY 50'-0" RUN OF SUPPLY AND RETURN AIR DUCT FOR CLEANING PURPOSES. EXCEPT IN DUCT ABOVE SOUND CONTROL CEILING. PROVIDE 18" x 18" ACCESS DOORS UPSTREAM AND DOWNSTREAM OF EACH REHEAT COIL, AT EACH FIRE AND FIRE/SMOKE DAMPER, AT EACH MOTORIZED DAMPER, AT EACH CV AND VAV TERMINAL BOX AND WHEREVER ELSE INDICATED IN THE SPECIFICATION. IF THE DUCT IS TOO SMALL TO PROVIDE AN 18" x 18" ACCESS DOOR, A 12" x 12" ACCESS DOOR SHALL BE PROVIDED. SEE SPECIFICATIONS FOR ADDITIONAL ACCESS DOOR REQUIREMENTS.
9.	SEE SPECIFICATION FOR DUCTS REQUIRED TO BE ACOUSTICALLY LINED. DIMENSIONS GIVEN ON PLANS ARE INSIDE CLEAR DIMENSIONS. INCREASE SIZE OF SHEET METAL DUCT TO PROVIDE THE SPECIFIED INSIDE CLEAR DIMENSION WITH ACOUSTICAL LINING ADDED.
10.	PROVIDE ISOLATION VALVES WHERE TYING NEW PIPING INTO THE EXISTING SYSTEM. REFER TO THE VALVE SPECIFICATIONS FOR THE PROPER VALVE TYPE FOR THE SERVICE. REFER TO THE DRAWINGS FOR THE PIPE/VALVE SIZE. IN ADDITION TO THE ISOLATION VALVES AT THE TIE-IN POINTS, ALSO PROVIDE A BALANCING VALVE ON THE SUPPLY SIDE FOR CHILLED WATER, CHILLED GLYCOL/BRINE, CONDENSER WATER AND HEATING/REHEAT HOT WATER SYSTEM TIE-INS.
11.	SYMBOLS AND ABBREVIATIONS SHOWN ON THE DRAWINGS ARE FOR MECHANICAL DRAWINGS ONLY. SEE OTHER TRADES DRAWINGS FOR THEIR RESPECTIVE SYMBOLS AND ABBREVIATIONS.
12.	PRIOR TO PERFORMING ANY CORE DRILLING OR CUTTING OF EXISTING FLOOR OR ROOF SLAB, CONTRACTOR SHALL PERFORM A SCAN OF THE SLAB USING GROUND PENETRATING RADAR (GPR) TO CONFIRM THAT THERE ARE NO EXISTING CONDUITS OR PIPES IN THE AREA OF CORE DRILL OR CUTTING OF THE SLAB.

PROJECT DATA LOCATION: 300 7TH AVENUE NEW YORK, NY 10001
PROPERTY IS NOT LOCATED IN SPECIAL FLOOD HAZARD AREA.

DEMOLITION NOTES	
1.	DEMOLITION OF HVAC ITEMS SHALL BE PERFORMED UNDER THE HVAC CONTRACT.
2.	LOCATION OF THE EXISTING DUCTWORK & PIPING AS SHOWN ON DRAWINGS IS APPROXIMATE.
3.	PROVIDE TEMPORARY SUPPORTS WHERE REQUIRED.
4.	DURING DEMOLITION, PROPERLY CAP AND PROTECT ALL DUCTWORK, EQUIPMENT, AND PIPING THAT WILL REMAIN IN OPERATION.
5.	WHERE EXISTING INSULATION TO REMAIN IS DAMAGED BY THE REQUIREMENTS OF THE WORK, REPLACE ANY DAMAGED INSULATION TO MATCH EXISTING.
6.	DEMOLISH ALL EQUIPMENT AS INDICATED, FIXTURES AND/OR MISCELLANEOUS ARTICLES IN THEIR ENTIRETY INCLUDING AUXILIARY EQUIPMENT, PIPING, WIRING, CONDUIT AND DUCTWORK. DEMOLITION WORK SHALL BE PERFORMED BY WORKMEN EXPERIENCED IN THIS TYPE OF WORK AND SHALL BE CARRIED THROUGH TO COMPLETION WITH DUE REGARDS TO THE SAFETY OF ALL BUILDING OCCUPANTS AND THE EMPLOYEES OF THE CONTRACTOR WITH AS LITTLE DISTURBANCE AS POSSIBLE.
7.	MATERIALS RESULTING FROM THE DEMOLITION OPERATIONS SHALL NOT BE ALLOWED TO ACCUMULATE ON THE FLOORS AND ROOF SURFACES. EXTERIOR GRADE SURFACES OR OTHER PARTS OF THE PREMISES, AND SHALL BE PROMPTLY REMOVED AND DISPOSED OF AWAY FROM THE PREMISES.
8.	INCLUDE ALL DEMOLITION OF SYSTEMS AND COMPONENTS WHERE SYSTEMS SHALL BE REPLACED BY NEW WORK. REFER TO THE DRAWINGS AND SPECIFICATIONS FOR THE SCOPE OF NEW AND RECONNECTED WORK. THE INTENT OF THIS REQUIREMENT IS TO HAVE THE CONTRACTOR DISCONNECT, DEMOLISH AND REMOVE ALL EXPOSED AND CONCEALED WORK WHERE BEING REPLACED OR CONNECTED TO THE NEW LAYOUTS.
9.	COORDINATE ELECTRICAL POWER DISCONNECTION PRIOR TO DEMOLITION WITH ELECTRICAL CONTRACTOR.
10.	PROTECT ALL HVAC WORK AND WORK OF OTHER TRADES WHICH IS TO REMAIN, FROM DAMAGE DURING DEMOLITION.
11.	ALL PIPING AND DUCTWORK TO REMAIN SHALL HAVE ENDS TERMINATED IN A NEAT MANNER READY FOR CONNECTION OF NEW WORK. ALL EXPOSED ENDS OF PIPING AND DUCTWORK SHALL BE CAPPED. SCREWED PIPING SHALL END ON A SCREWED JOINT. FLANGED PIPE SHALL END WITH A FLANGED JOINT. WELDED PIPING SHALL BE MECHANICALLY CUT, CLEANED OF BURRS AND A CAP WELDED TO THE PIPE. DUCTWORK SHALL BE CAPPED WITH SHEET METAL CONNECTED TO THE DUCT TO REMAIN.
12.	REMOVAL OF EQUIPMENT, PIPING AND DUCTWORK SHALL INCLUDE ALL HANGERS & SUPPORT ASSOCIATED WITH THE EQUIPMENT, PIPING AND DUCTWORK TO BE REMOVED.

SCOPE OF WORK	
1.	RENOVATION OF CLASSROOM D442 INCLUDES INSTALLATION OF NEW DUCTWORK AND AIR OUTLETS.
2.	DEMOLITION OF EXISTING SECURITY OFFICES D441 & D442 INCLUDES DEMOLITION OF EXISTING RETURN AND SUPPLY DUCTWORK.

DRAWING LIST	
M-001.00	MECHANICAL SYMBOLS, ABBREVIATIONS, NOTES AND DRAWING LIST
M-104.00	FOURTH FLOOR MECHANICAL PLAN
M-501.00	MECHANICAL DETAILS
M-701.00	MECHANICAL SCHEDULES
M-801.00	MECHANICAL CONTROL DIAGRAMS
M-904.00	FOURTH FLOOR MECHANICAL DEMOLITION PLAN

rev. no.	date	revisions
1	06.29.23	ISSUED FOR ADDENDUM #2
LOCATION PLAN NOT TO SCALE		
BLOCK: 716 LOT: 55		

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David Smotrich & Partners LLP Architects/Planners
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443 Park Avenue South 212 889 4045	New York, NY 10016 Fax 212 889 3672
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PROJECT: D442 CLASSROOM RENOVATION POMERANTZ 300 7TH AVE NEW YORK NY 10001
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DRAWING TITLE: MECHANICAL SYMBOL LIST, ABBREVIATIONS, NOTES AND DRAWING LIST
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DEPARTMENT OF BUILDING JOB #

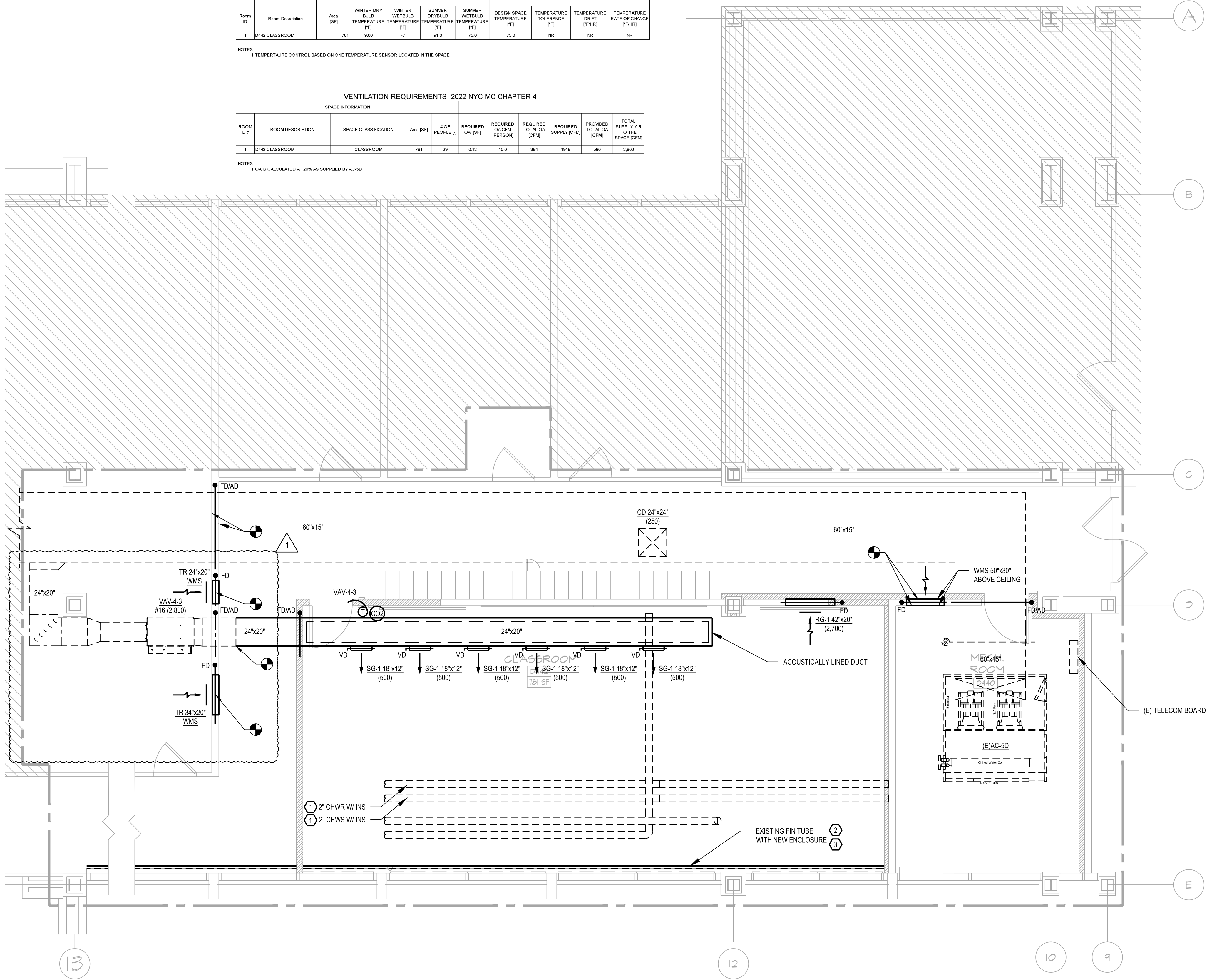
SEAL & SIGNATURE:	DATE: 06.01.2023 PROJECT No: 223203 DRAWING BY: AB CHK BY: DN DWG No: M-001.00 SCALE: NTS 1 OF 6
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BASIS OF DESIGN - FIT D442 CLASSROOM RENOVATION										
Room ID	Room Description	Area (SF)	OUTDOOR CONDITIONS				TEMPERATURE CRITERIA			
			WINTER DRY BULB TEMPERATURE (°F)	WINTER WETBULB TEMPERATURE (°F)	SUMMER DRY BULB TEMPERATURE (°F)	SUMMER WETBULB TEMPERATURE (°F)	DESIGN SPACE TEMPERATURE (°F)	TEMPERATURE TOLERANCE (°F)	TEMPERATURE DRIFT (°F/HR)	TEMPERATURE RATE OF CHANGE (°F/HR)
1	D442 CLASSROOM	781	9.00	-7	91.0	75.0	75.0	NR	NR	NR

NOTES
1 TEMPERATURE CONTROL BASED ON ONE TEMPERATURE SENSOR LOCATED IN THE SPACE

VENTILATION REQUIREMENTS 2022 NYC MC CHAPTER 4									
SPACE INFORMATION									
ROOM ID #	ROOM DESCRIPTION	SPACE CLASSIFICATION	Area (SF)	# OF PEOPLE (1)	REQUIRED OA (SF)	REQUIRED OA CFM (PERSON)	REQUIRED TOTAL OA (CFM)	REQUIRED SUPPLY (CFM)	TOTAL SUPPLY AIR TO THE SPACE (CFM)
1	D442 CLASSROOM	CLASSROOM	781	29	0.12	10.0	364	1919	2,800

NOTES
1 OA IS CALCULATED AT 20% AS SUPPLIED BY AC-50



FOURTH FLOOR MECHANICAL PLAN

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

0 2' 4' 8'
SCALE: 1/4" = 1'-0"

ISSUED FOR ADDENDUM #2 06.29.2023

NEW YORK CITY BUILDING DEPARTMENT NOTE

THIS PLAN IS FOR ECC SCOPE AND APPROVAL ONLY.

(NOTE IS APPLICABLE ONLY TO NYC DOB REVIEW PROCESS. CONTRACTOR MUST PROVIDE ALL WORK SHOWN ON PLAN)

NEW YORK CITY BUILDING DEPARTMENT APPROVAL NOTE

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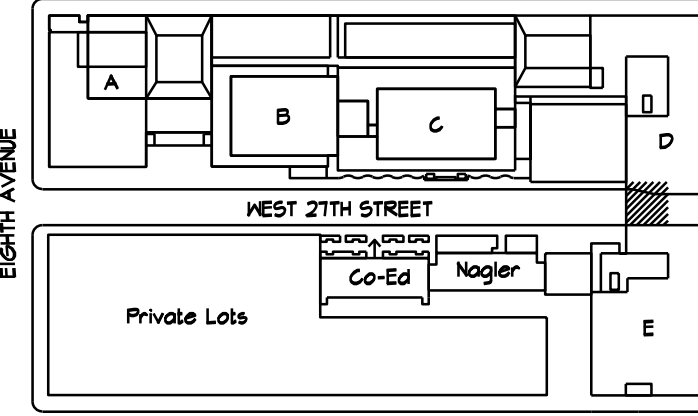
WORK NOTES:

- 1 ADD PVC JACKET FOR 2" CHW WITH INSULATION EXPOSED INSIDE CLASSROOM D442
- 2 REPLACE EXISTING FIN TUBE RADIATION ENCLOSURE WITH NEW FIN TUBE RADIATION ENCLOSURE ALONG THE WINDOWS UP TO COLUMN # 13
- 3 VACUUM CLEAN THE EXISTING FIN TUBE RADIATION ELEMENTS ALONG THE WINDOWS UP TO COLUMN #13 BEFORE INSTALLING THE NEW ENCLOSURE

REV. NO. DATE REVISIONS

1 06.29.23 ISSUED FOR ADDENDUM #2

WEST COURTYARD WEST 28TH STREET EAST COURTYARD



RENOVATION SPACE
EXIT TO STREET
LOCATION PLAN
NOT TO SCALE
BLOCK: T16
LOT: 55

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PROJECT:

D442 CLASSROOM RENOVATION
POMERANTZ 300 1TH AVE
NEW YORK NY 10001

DRAWING TITLE:

FOURTH FLOOR
MECHANICAL PLAN

DEPARTMENT OF BUILDING JOB #

MO0896064-11

SEAL & SIGNATURE:

DATE: 06.07.2023

PROJECT No: 223203

DRAWING BY: AB

CHK BY: DN

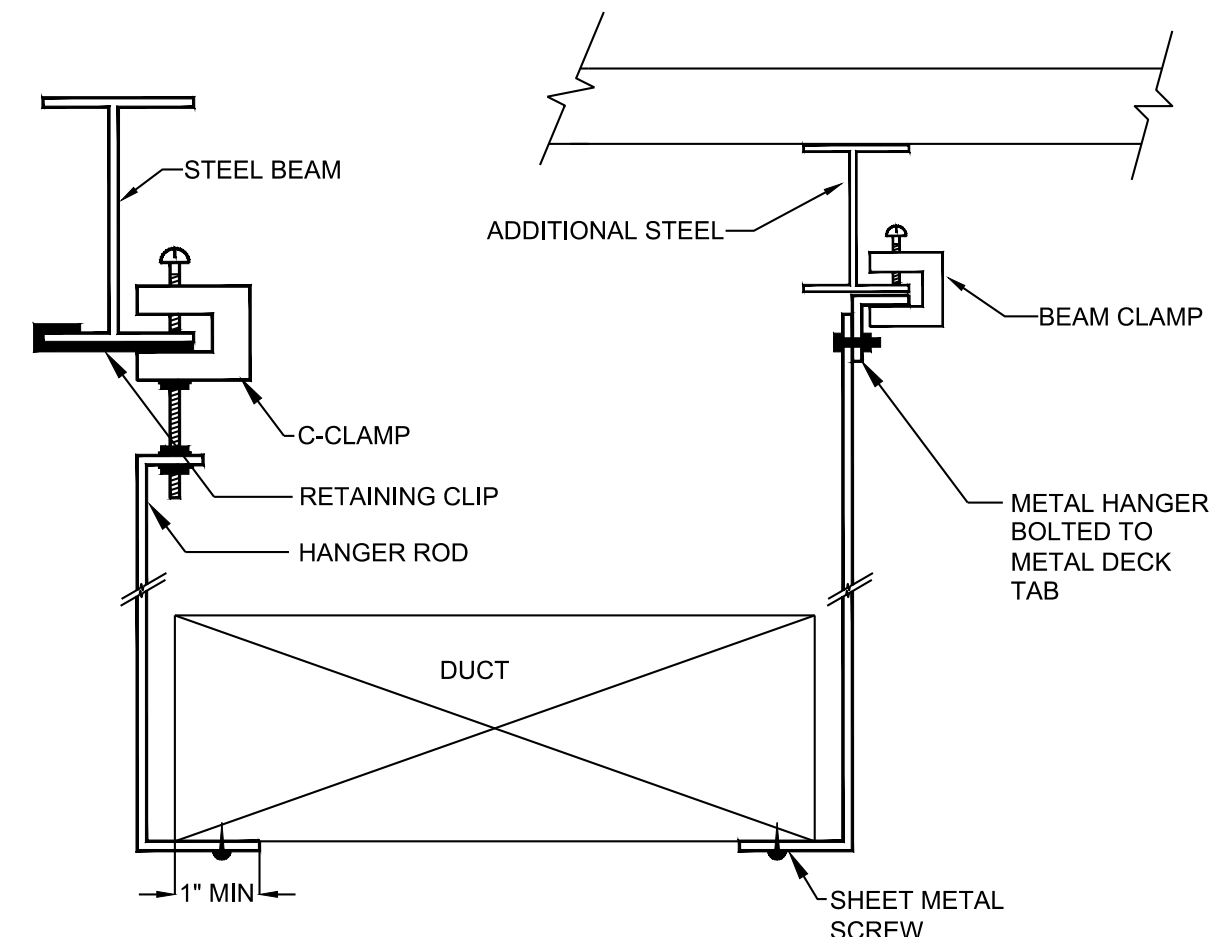
DWG No:

M-104.00

SCALE: NTS

2 OF 6

MGE
MGE Engineering, Inc. d/b/a MGE Engineering Group
116 West 32nd Street, 12th Floor, New York, N.Y. 10001
P 212 643 9898 www.mgepc.com

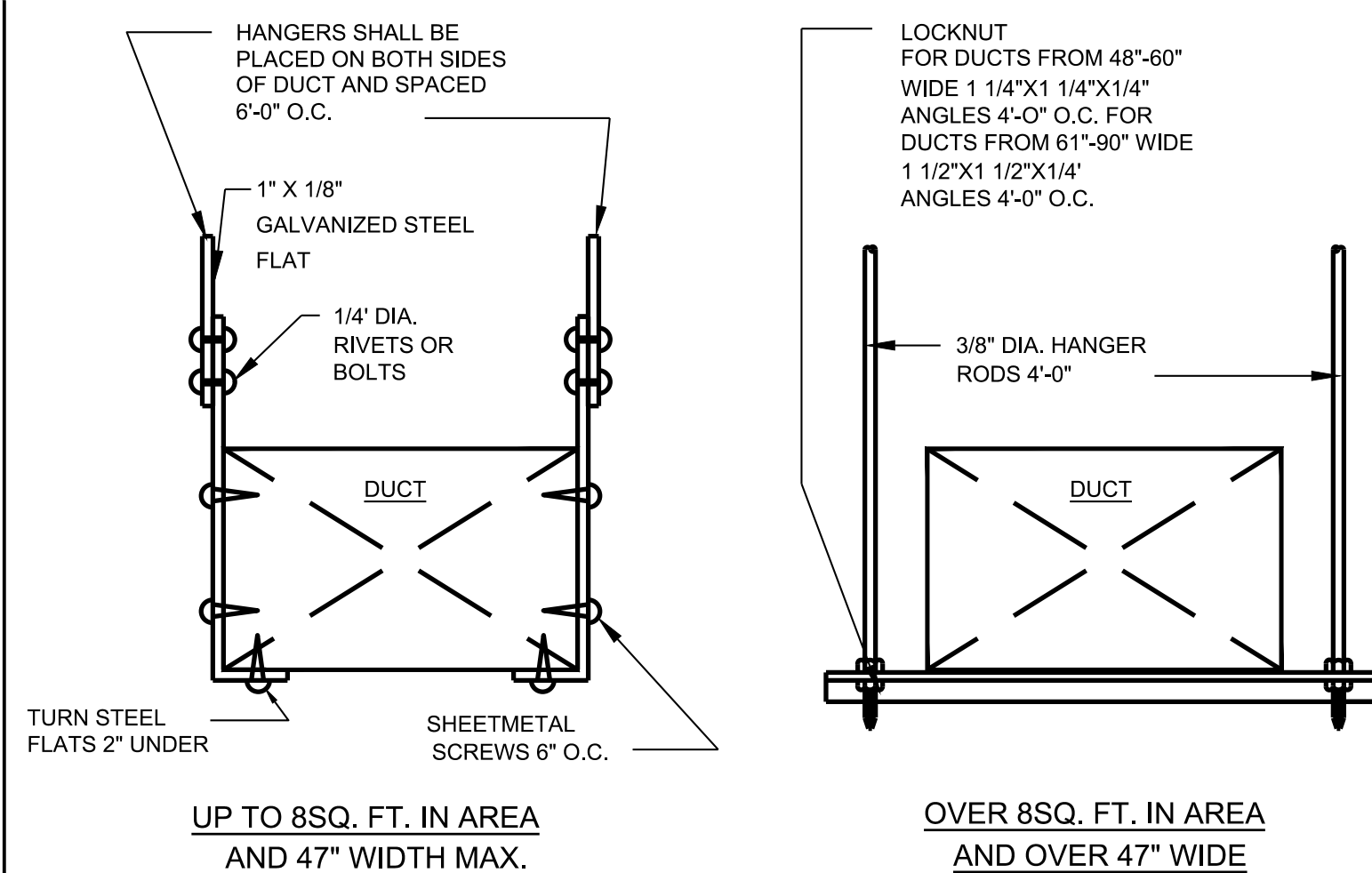


- NOTES:
- HANGERS SHALL BE OF METAL NOT LESS THAN 1/16" FOR DUCTS 2 SQ.FT. & LESS, AND NOT LESS THAN 1/8" FOR DUCTS LARGER THAN 2 SQ.FT.
 - WHERE CROSS-SECTIONAL AREA OF DUCT EXCEEDS 8 SQ.FT., HANGERS SHALL BE SPACED NOT MORE THAN 4 FT. ON CENTERS.
 - C-CLAMP FOR DUCTS UP TO 36" MAXIMUM DIMENSION.

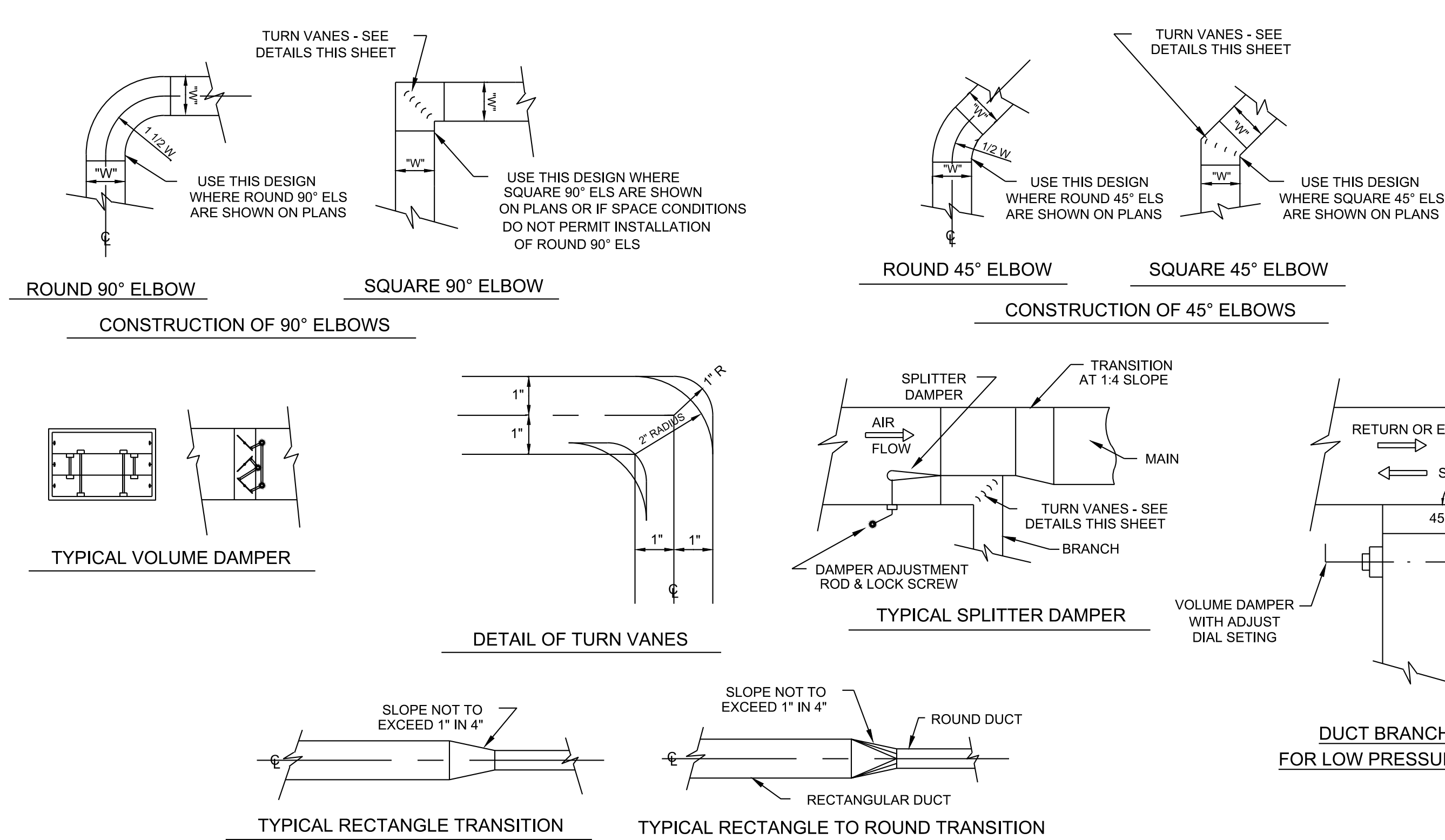
1 DUCT SUPPORT ATTACHMENT TO STRUCTURE

HALF OF DUCT PERIMETER	PAIR AT 10 FT. SRACING		PAIR AT 8 FT. SRACING		PAIR AT 5 FT. SRACING		PAIR AT 4 FT. SRACING	
	STRAP	WIRE/ ROD	STRAP	WIRE/ ROD	STRAP	WIRE/ ROD	STRAP	WIRE/ ROD
30"	1" x 22 GA	10 GA (.135")	1" x 22 GA	10 GA (.135")	1" x 22 GA	12 GA (.135")	1" x 22 GA	12 GA (.135")
72"	1" x 18 GA	3/8"	1" x 20 GA	1/4"	1" x 22 GA	1/4"	1" x 22 GA	1/4"
96"	1" x 16 GA	3/8"	1" x 18 GA	3/8"	1" x 20 GA	3/8"	1" x 22 GA	1/4"
120"	1 1/2" x 16 GA	1/2"	1" x 16 GA	3/8"	1" x 18 GA	3/8"	1" x 20 GA	1/4"
168"	1 1/2" x 16 GA	1/2"	1 1/2" x 16 GA	1/2"	1" x 16 GA	3/8"	1" x 18 GA	3/8"
192"	-	1/2"	1 1/2" x 16 GA	1/2"	1" x 16 GA	3/8"	1" x 16 GA	3/8"

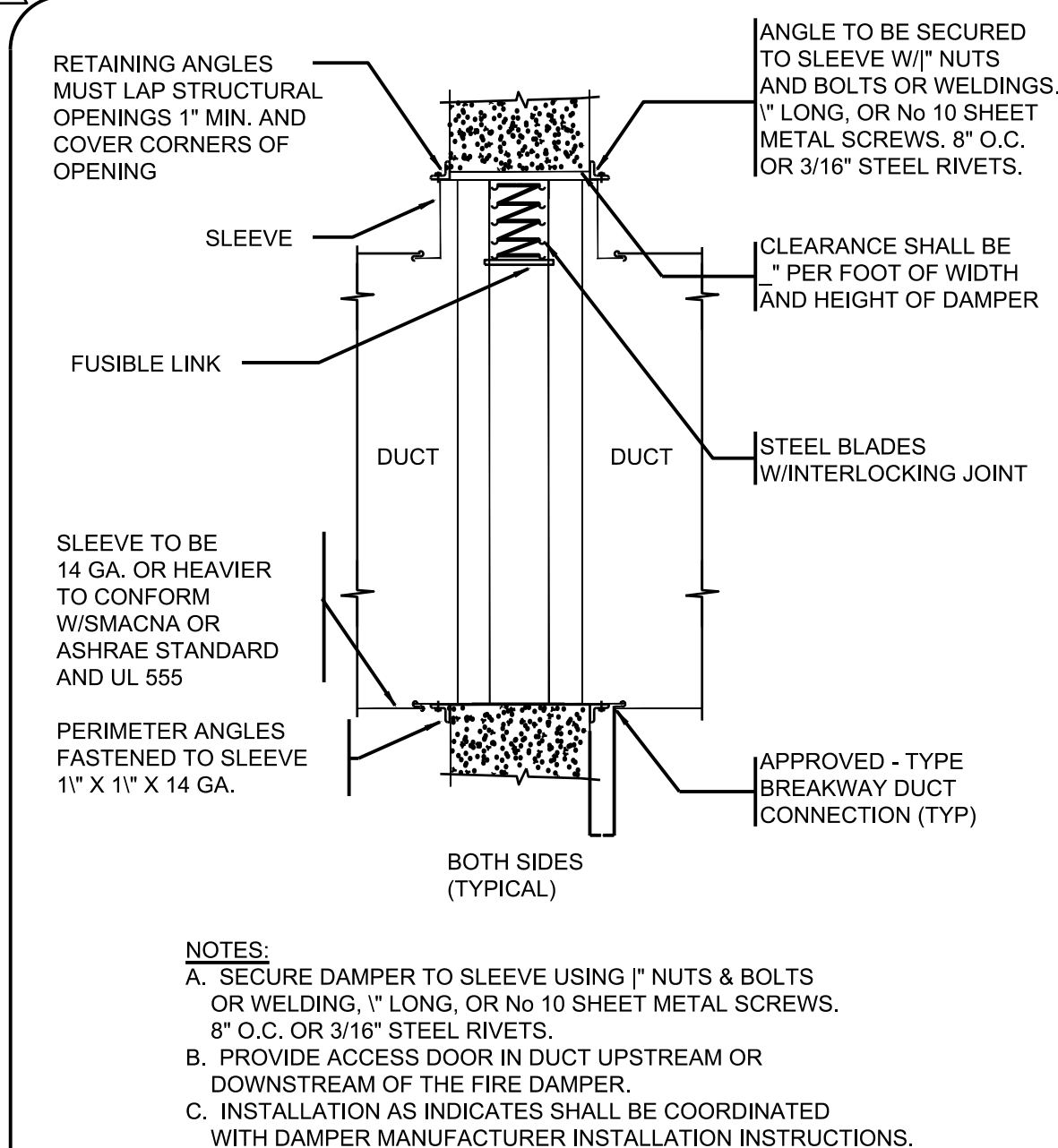
2 DUCT SUPPORT SCHEDULE



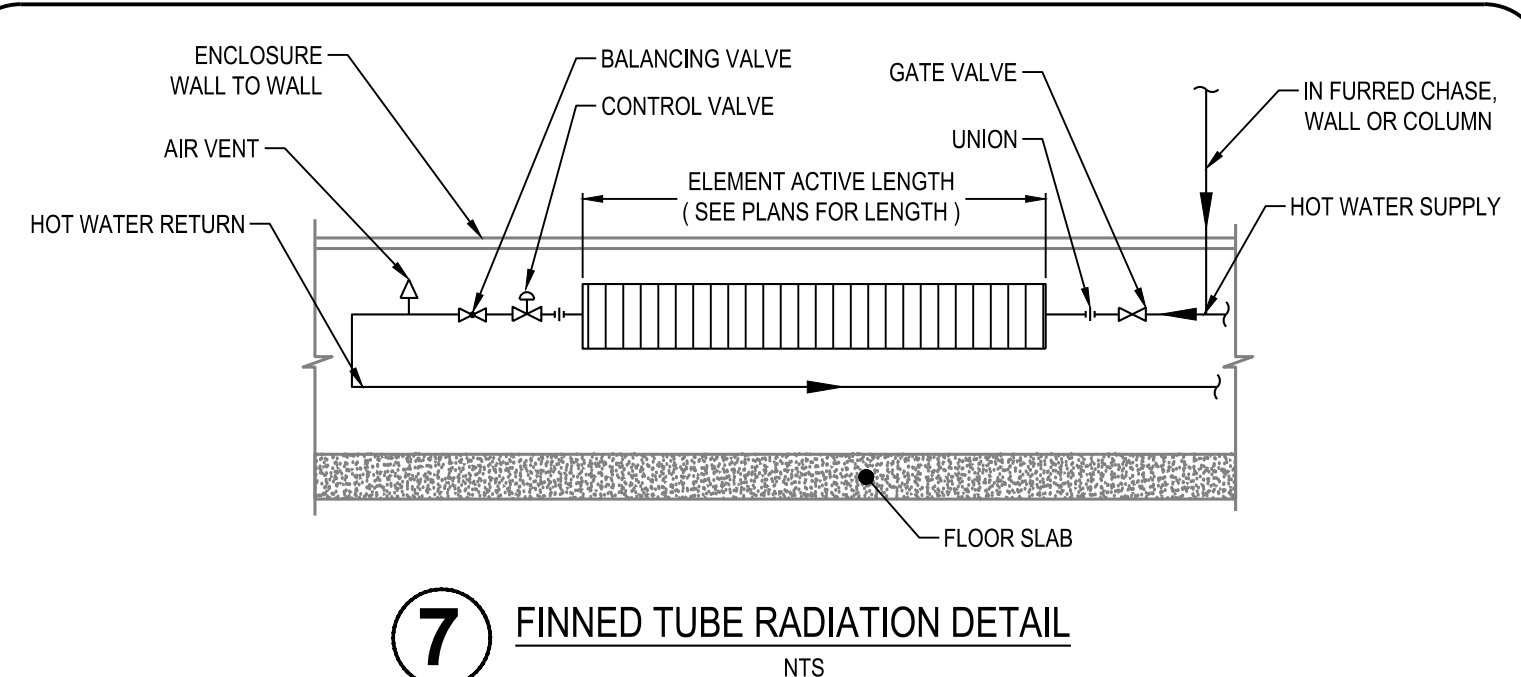
3 METHOD OF SUPPORTING DUCTS



4 DUCTWORK DETAILS



8 FIRE DAMPER DETAIL



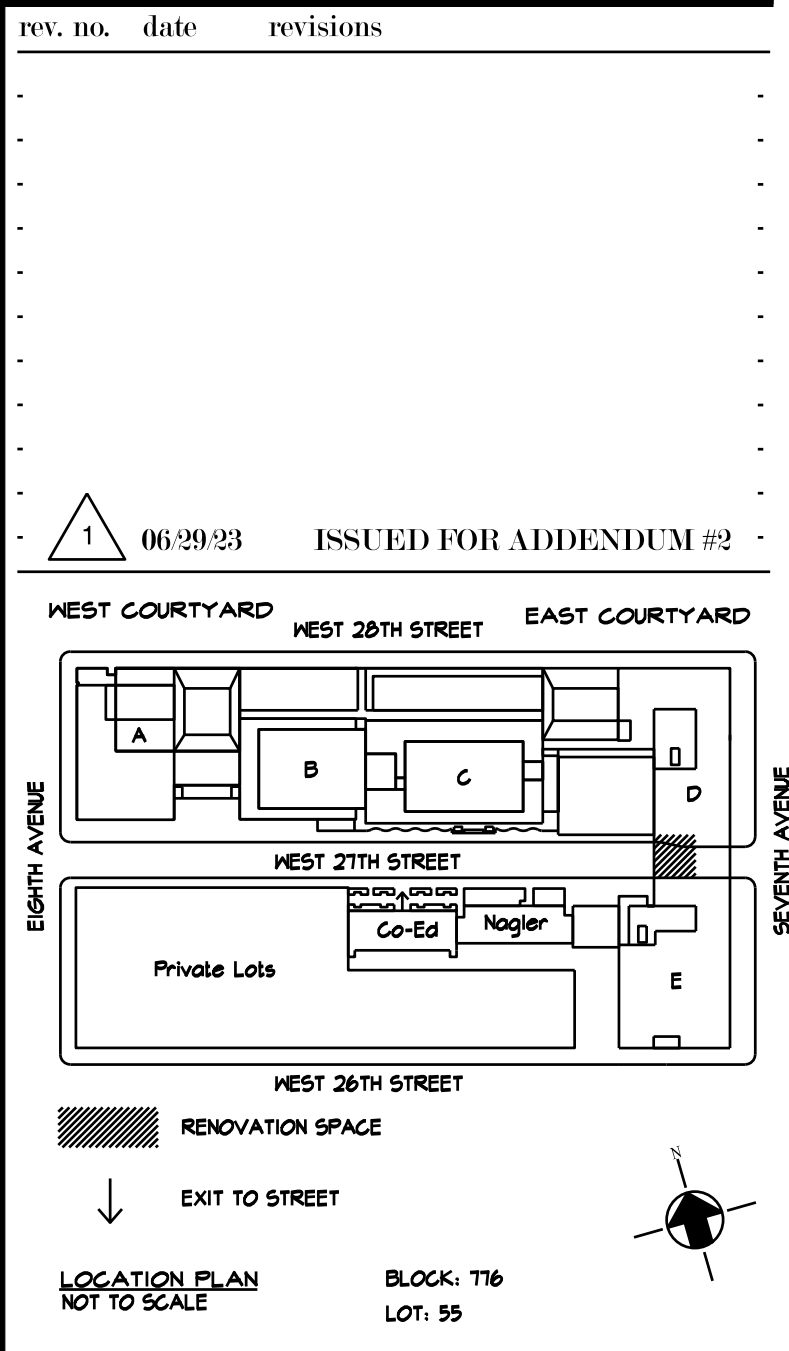
7 FINNED TUBE RADIATION DETAIL

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NEW YORK CITY ENERGY CONSERVATION CODE

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



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PROJECT:
D442 CLASSROOM RENOVATION
POMERANTZ 300 7TH AVE
NEW YORK NY 10001

DRAWING TITLE:
MECHANICAL DETAILS

DEPARTMENT OF BUILDING JOB #

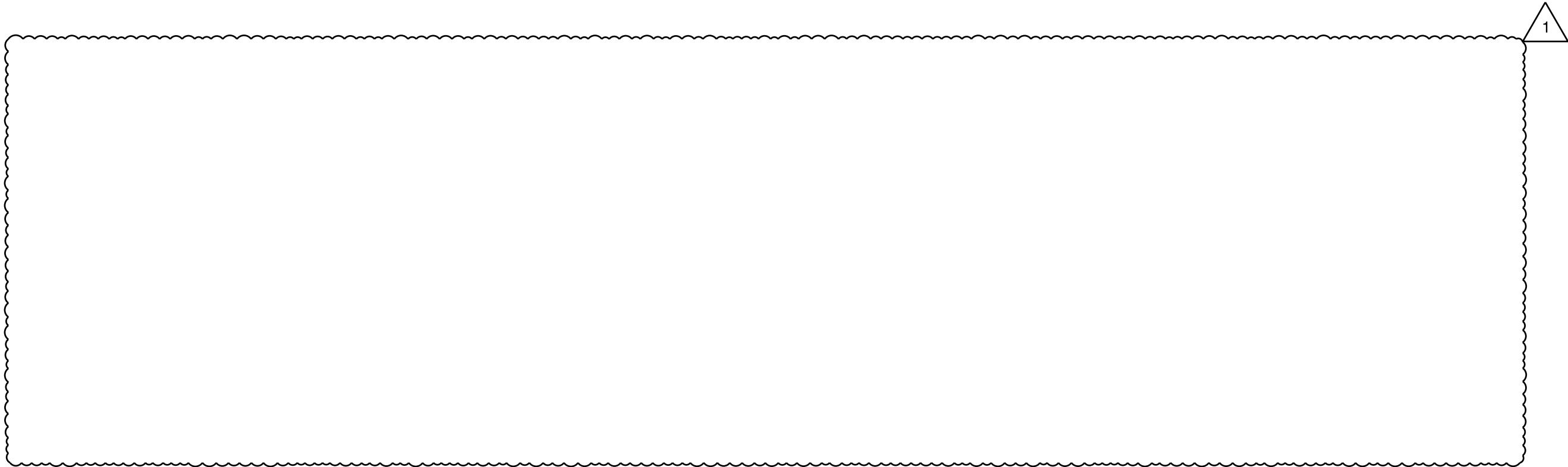
SEAL & SIGNATURE:	DATE: 06.01.2023
	PROJECT No: 223203
	DRAWING BY: AB
	CHK BY: DN
	DWG No:
	M-501.00
SCALE: NTS	3 OF 6

AIR OUTLET SCHEDULE						"TITUS" AS STANDARD				
MARK	SERVICE	CFM	SIZE (IN)	TOTAL PRESSURE DROP (PT) AT MAX FLOW (IN WC)	SOUND LEVEL (NC)	DAMPER STYLE	BORDER TYPE	MANUFACTURER	MODEL	NOTES
SG-1	SUPPLY	500	18X12	0.016	12	NONE	DUCT MOUNTED	TITUS	112RL 18X12	SEE NOTES
RG-1	RETURN	2700	42X20	0.087	39	NONE	DUCT MOUNTED	TITUS	23RL 42X20	SEE NOTES

- NOTE:
1. ALL DIFFUSERS & DAMPERS TO BE PER SCHEDULE. PROVIDE WHITE COLOR AND COORDINATE WITH ARCHITECTURAL DRAWINGS FOR COLOR FINISHING.
 2. ALL DIFFUSERS TO BE STANDARD FACTORY POWDER COATED. PROVIDE CONCEALED FASTENERS FOR ALL AIR OUTLETS.
 3. COORDINATE WITH THE ARCHITECTURAL DRAWINGS.

FIN TUBE RADIATION ENCLOSURE SCHEDULE											
GENERAL DATA		ELEMENT								ENCLOSURE	REMARKS
UNIT NO	LENGTH (FT)	FIN SIZE	FIN MATERIAL	PIPE MATERIAL	NO OF FINS PER FT.	NO OF ROWS	AVG WATER TEMP [F]	EAT [F]	BTUH PER LINEAR FT.	HEIGHT	
F-1	AS NOTED IN DRAWING	EXISTING	ALUMINUM	COPPER	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	SEE NOTE 5	SEE NOTES

- NOTES:
1. 18 GAUGE ENCLOSURE. COORDINATE WITH ARCHITECT FOR THE COLOR FINISHING.
 2. THE ENCLOSURE SHALL BE FACTORY POWDER COATED.
 3. 20 GAUGE FULL BACK PANEL, PRIME COATED FOR MOUNTING
 4. 16 GAUGE GALVANIZED FOR HANGERS WITH FIN CLIP SLIDER AND LINEAR EXPANSION FOR QUIET OPERATION
 5. EXISTING HEIGHT TO BE VERIFIED IN FIELD BY CONTRACTOR.



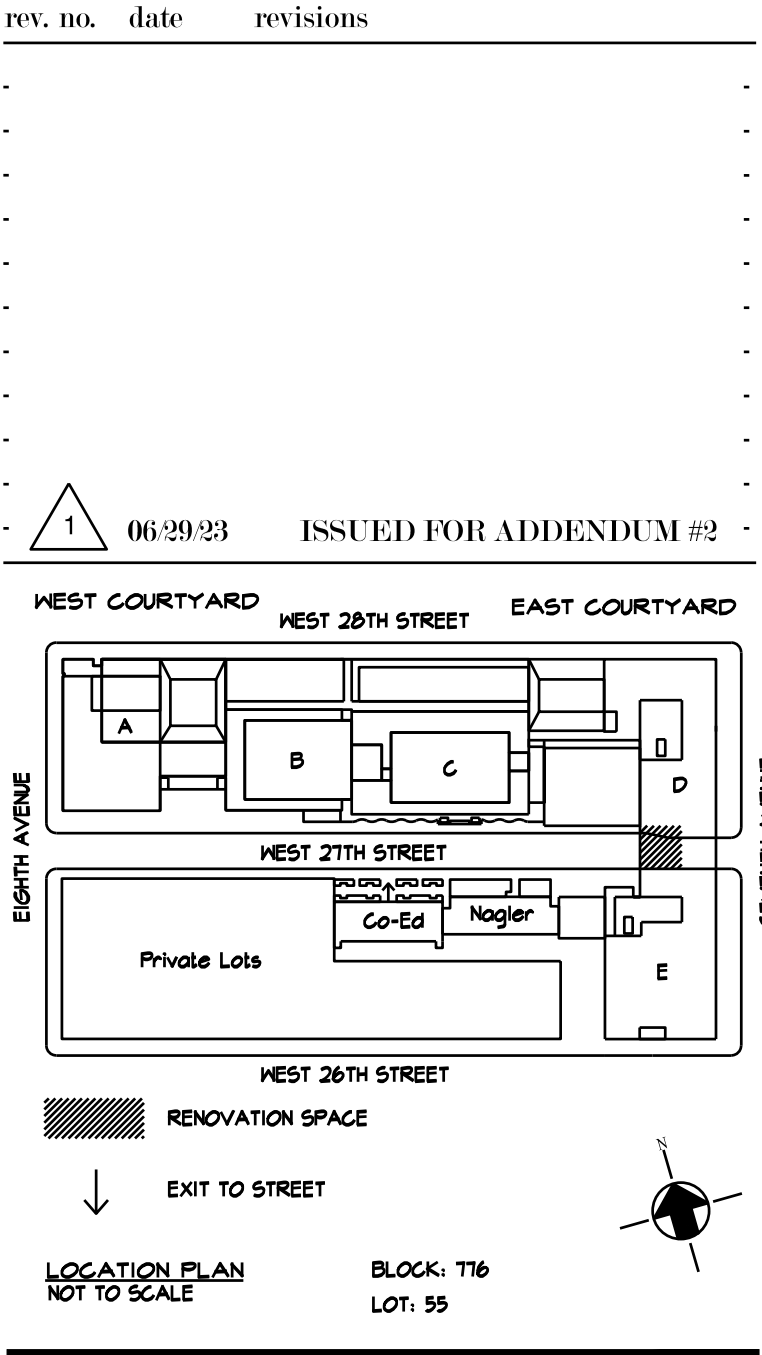
ISSUED FOR ADDENDUM #2 06.29.2023

NEW YORK CITY BUILDING DEPARTMENT APPROVAL NOTE

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NEW YORK CITY ENERGY CONSERVATION CODE

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



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PROJECT:
D442 CLASSROOM RENOVATION
POMERANTZ 300 7TH AVE
NEW YORK NY 10001

DRAWING TITLE:
MECHANICAL SCHEDULES

DEPARTMENT OF BUILDING JOB #

SEAL & SIGNATURE:	DATE: 06.07.2023
	PROJECT No: 223203
	DRAWING BY: AB
	CHK BY: DN
	DWG No:
M-701.00	
SCALE: NTS	4 OF 6

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NEW YORK CITY ENERGY CONSERVATION CODE
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rev. no. date revisions

1

06.29.23

ISSUED FOR ADDENDUM #2

WEST COURTYARD

WEST 28TH STREET

EAST COURTYARD

WEST 27TH STREET

WEST 26TH STREET

Private Lots

Co-Ed

Nogler

E

D

C

B

A

EIGHTH AVENUE

SEVENTH AVENUE

RENOVATION SPACE

EXIT TO STREET

LOCATION PLAN
NOT TO SCALE

BLOCK: T16
LOT: 55

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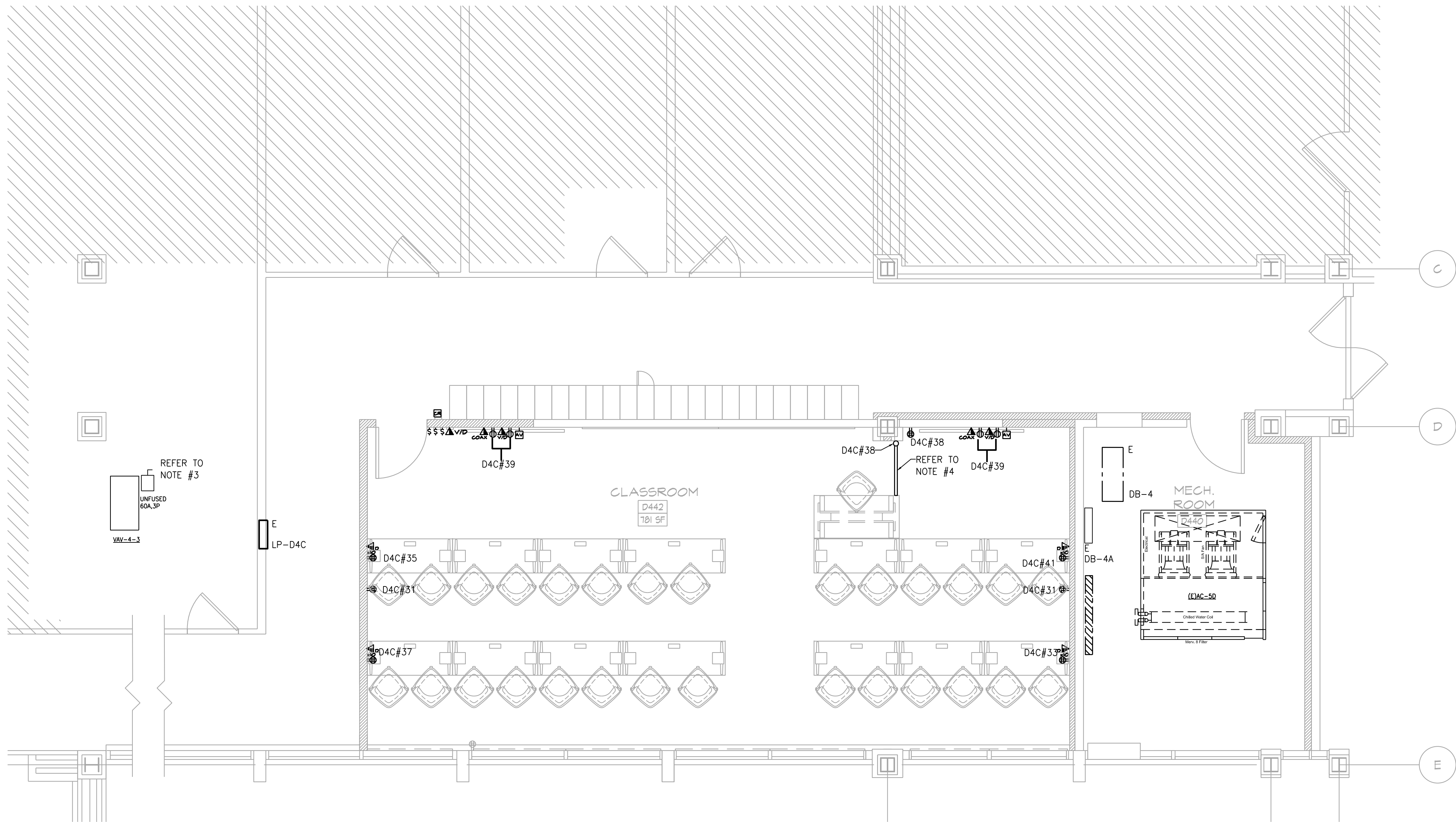
David Smotrich & Partners LLP
Architects/Planners
443 Park Avenue South New York, NY 10016
212 889 4045 Fax 212 889 3672

PROJECT:
D442 CLASSROOM RENOVATION
POMERANTZ 300 7TH AVE
NEW YORK NY 10001

DRAWING TITLE:
MECHANICAL CONTROL
DIAGRAMS

DEPARTMENT OF BUILDING JOB #
M00B96064-11

SEAL & SIGNATURE:	DATE: 06.01.2023
	PROJECT No: 223203
	DRAWING BY: AB
	CHK BY: DN
	DWG No:
M-801.00	
SCALE: NTS	5 OF 6



FOURTH FLOOR PART POWER PLAN

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

POWER NOTES:

1. REFER TO ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION AND MOUNTING HEIGHTS OF ALL WIRING DEVICES.
2. CIRCUIT NUMBERS ARE INDICATED FOR GROUPING INTENT ONLY. THE ELECTRICAL CONTRACTOR SHALL REUSE EXISTING CIRCUIT BRANCH WIRING PREVIOUSLY FEEDING LIGHTING FIXTURES IN THE AREA. ALL BRANCH CIRCUIT WIRING ORIGINATES IN A NEW 20A/1P CIRCUIT BREAKER IN PANEL INDICATED U.O.N. PROVIDE 2# 12 & 1# 12G-3/4"C. UON FOR BRANCH WIRING FEEDERS U.O.N. SPARE BRANCH CIRCUITS WILL BE PRODUCED FROM THE SCOPE OF THIS PROJECT. CONTRACTOR MAY UTILIZE EXISTING BRANCH CIRCUIT WIRING FOR INDICATED WORK WHERE FEASIBLE.
3. EQUIPMENT SHALL BE ENERGIZED UNDER A SEPARATE CONTRACT. CONTRACTOR SHALL MAINTAIN POWER FEEDER.
4. CONTRACTOR SHALL PROVIDE SURFACE MOUNTED CONDUIT SYSTEM WITH 2 DUPLEX OUTLETS, AND THE ABILITY TO HOUSE 8 OR MORE DATA CABLES. PROVIDE A CONNECTRAC FLEX SYSTEM OR APPROVED EQUAL.

0 2' 4' 8'
SCALE: 1/4" = 1'-0"

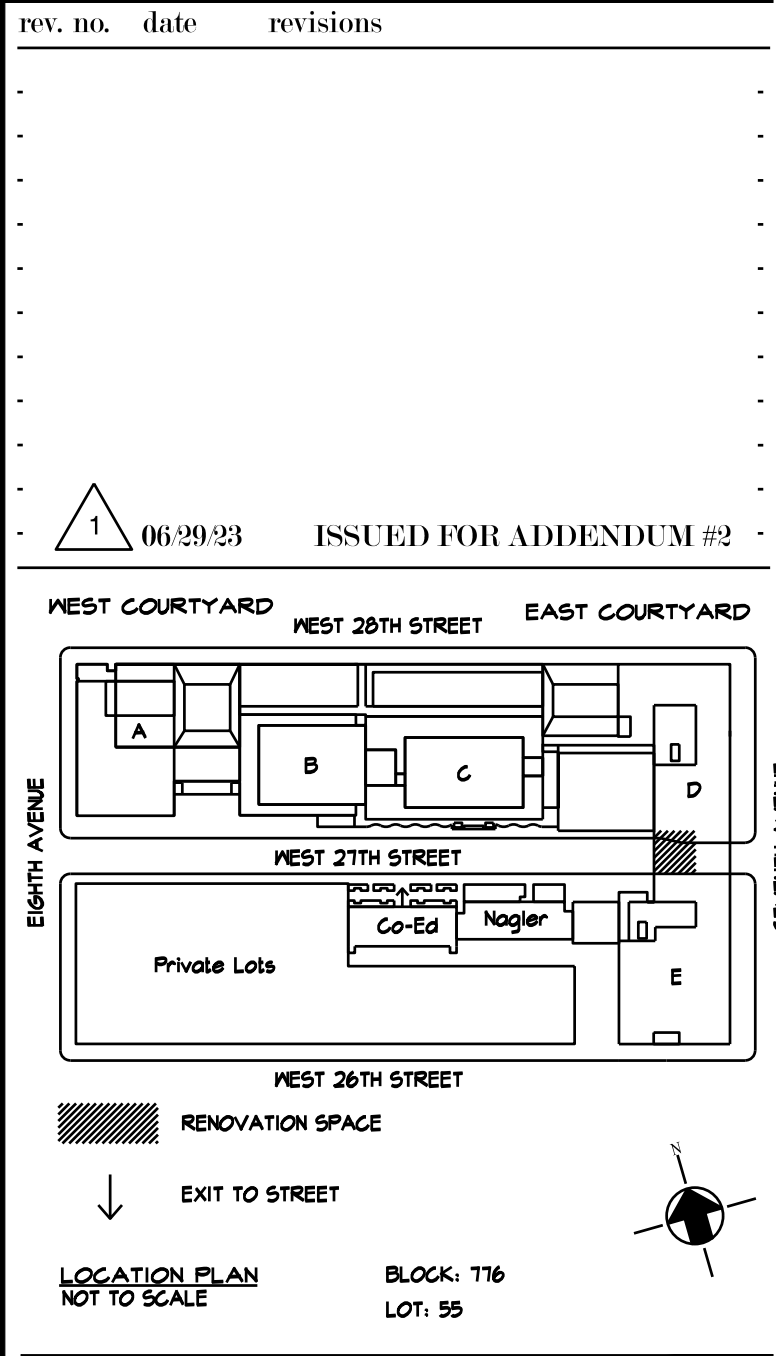
ISSUED FOR ADDENDUM #2 06.29.2023

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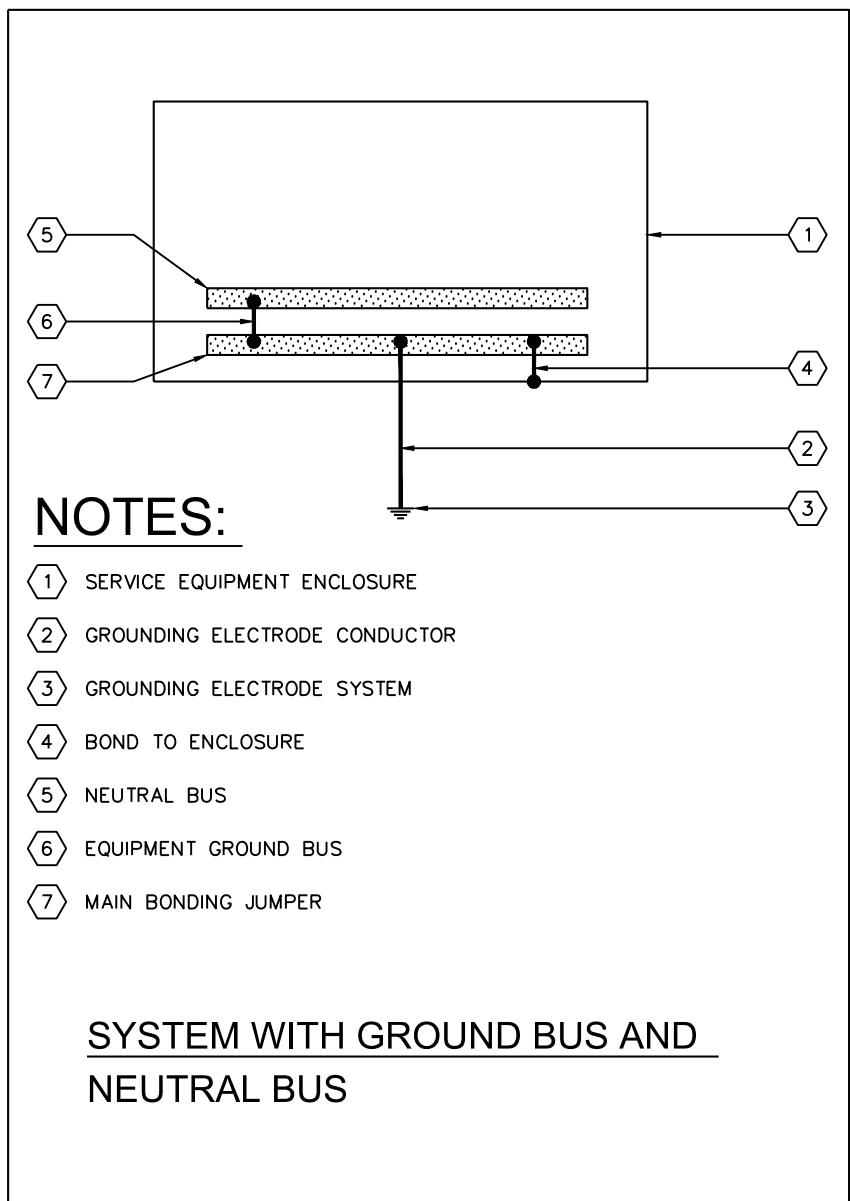
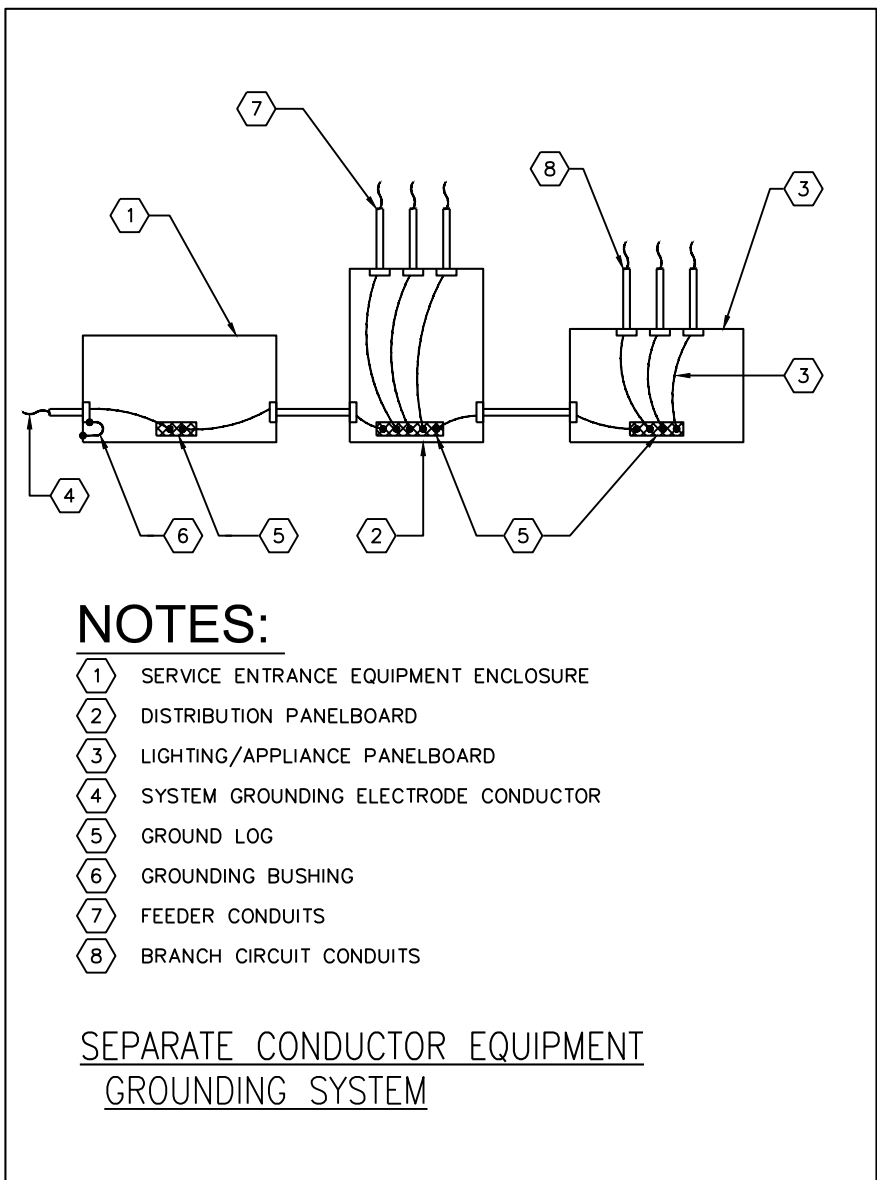
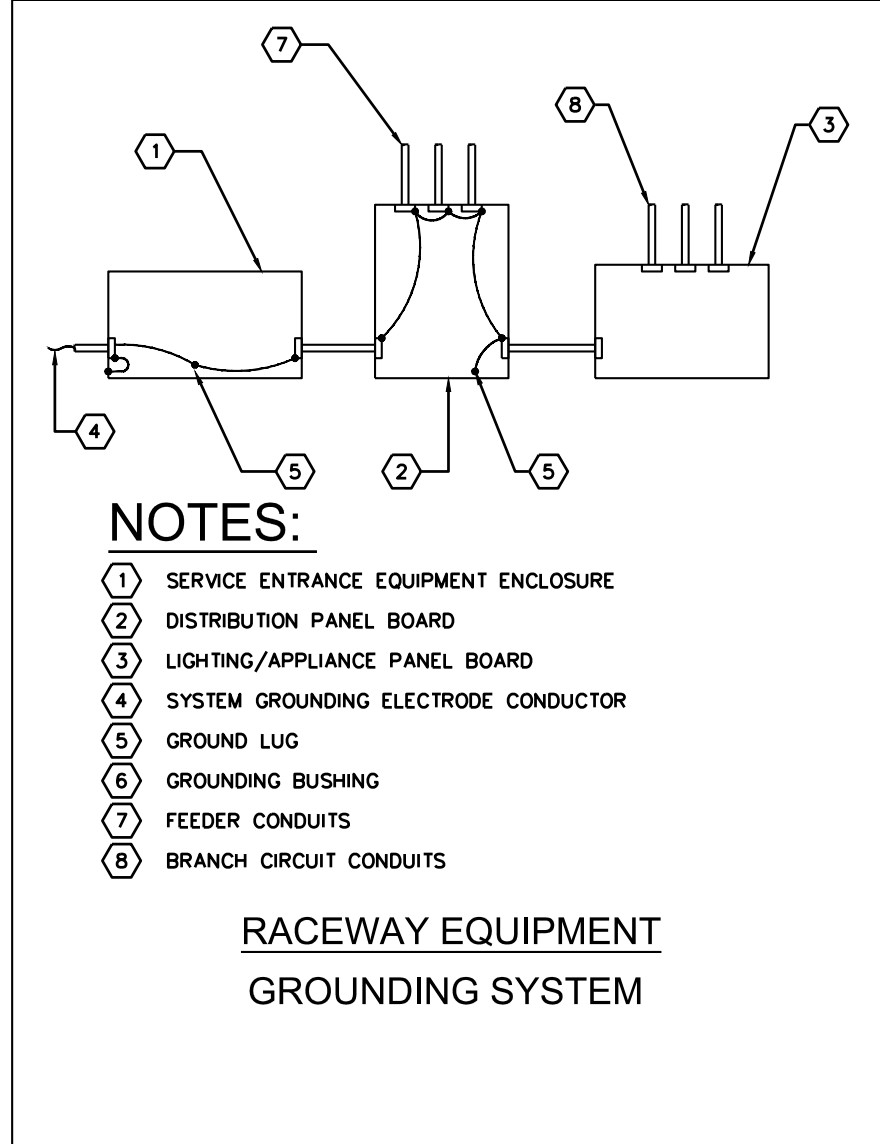
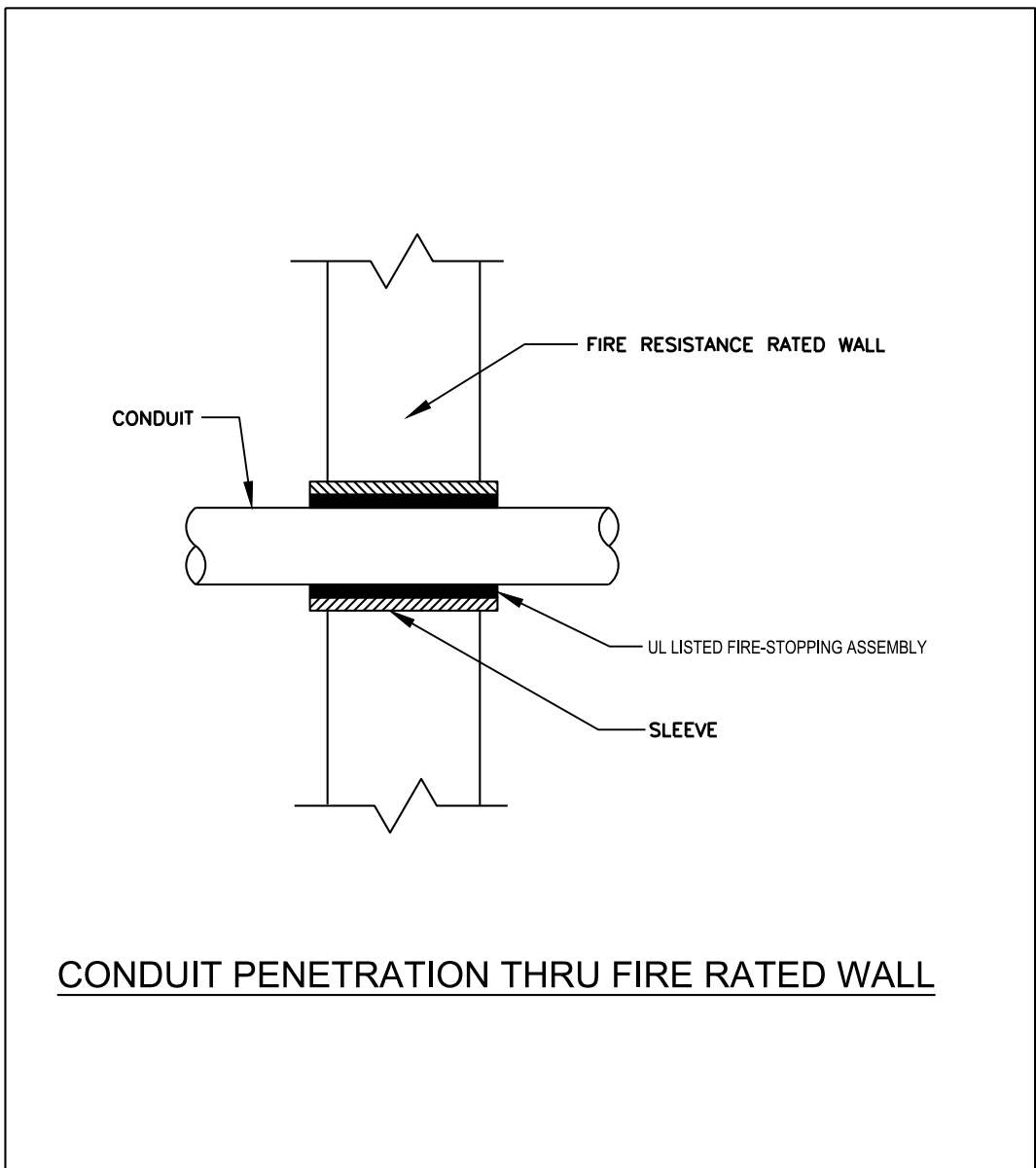
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PROJECT:
D442 CLASSROOM RENOVATION
POMERANTZ 300 1TH AVE
NEW YORK NY 10001

DRAWING TITLE:
ELECTRICAL
4TH FLOOR PART
POWER PLAN

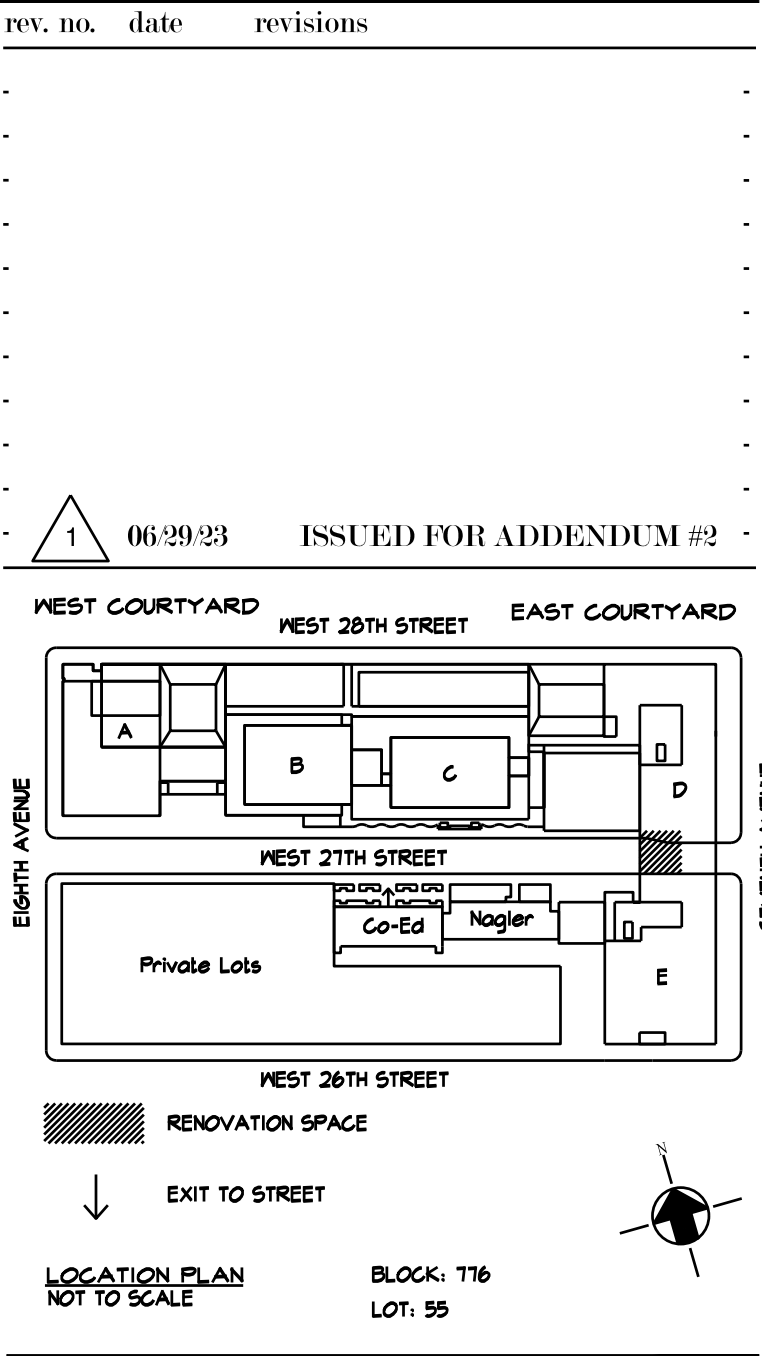
DEPARTMENT OF BUILDING JOB #

SEAL & SIGNATURE:	DATE: 06.01.2023
	PROJECT No: 223203
	DRAWING BY: DG
	CHK BY: KB
	DWG No:
	E-200.00
SCALE: NTS	3 OF 5



<div>PANEL DESIGNATION: DB-4A (NEW)</div>	LOCATION: 4TH MECH. ROOM						REMARKS:		
	SERVICE: 208Y/120 V 3 PHASE, 3 WIRE								
	MAIN BUS RATING: 400 AMPS								
	MAIN CIRCUIT BREAKER: X								
SERVICE TO:		TRIP	NO.	A	B	C	NO.	TRIP	SERVICE TO:
EDH-4-1		2P100A	2	20000			2	3P100A	EDH-4-2
3/4" & 1/2" - 112°C					20000		4		3/8" & 1/8" - 1 1/2°C
EXISTING		3P75A	7	5400	5400		8		
VAV-4-3			9				10	3P20A	P250
3/4" & 1/8" - 112°C			12		5400		12		3/8" & 1/2" - 3/4°C
VAV-4-6		20A	13	940			14		
VAV-4-7		20A	15		1120		16	3P20A	P240
VAV-4-8		20A	17			1120	18		3/8" & 1/2" - 3/4°C
SPARE		20A	19	4020			20		
			21		6600		22	3P35A	
VAC-4-4		3P35A	23			6600	24		3/8" & 1/8" - 3/4°C
3/8" & 1/8" - 112°C			25	6600			26		
SPARE		20A	27		3300		28	3P35A	EXIST VAV (D442)
SPARE		20A	29			3300	30		3/8" & 1/8" - 112°C
SPACE			31	0			32		SPACE
SPACE			33	0	0	34			SPACE
SPACE			35		0		36		SPACE
SPACE			37	0			38		SPACE
SPACE			39		0		40		SPACE
SPACE			41		0		42		SPACE
TOTAL CONNECTED LOAD PER PHASE (KVA)				36.96	36.42	36.42			
TOTAL CONNECTED LOAD				108.80 KVA				304.8 A	
MINIMUM FEEDER SIZE PER ARTICLE 220				93.80 KVA				280.4 A	

PANEL DESIGNATION: LP-D4C (EXISTING)	LOCATION: 4TH MECH ROOM										REMARKS:	
	SERVICE: 208Y/120 V 3 PHASE 4 WIRE											
	MAIN BUS RATING: 225 AMPS											
	MAIN CIRCUIT BREAKER: X											
SERVICE TO:		100 KVA/1000 A		15 KVA/150 A		NEUTRAL BUS 100%		EQUIPMENT GROUND BUS YES		ISOLATED GROUND BUS NO		
SERVICE TO:		TRIP		NO.		A		B		C		
EXISTING		1		0		2						
EXISTING		3		0		4						
EXISTING		5		0		6						
EXISTING		7		0		8						
EXISTING		9		0		10						
EXISTING		11		0		12						
EXISTING		13		0		14						
EXISTING		15		0		16						
EXISTING		17		0		18						
EXISTING		19		0		20						
EXISTING		21		0		22						
EXISTING		23		0		24						
EXISTING		25		0		26						
EXISTING		27		0		28						
EXISTING		29		0		30						
DUPLEX		20A		31		400				32		
DUPLEX FOR FURNITURE SYSTEM		20A		33		1400				34		
DUPLEX FOR FURNITURE SYSTEM		20A		35		1400		36		20A		
DUPLEX FOR FURNITURE SYSTEM		20A		37		1800		38		20A		
DUPLEX FOR FURNITURE SYSTEM		20A		39		1400		40				
DUPLEX FOR FURNITURE SYSTEM		20A		41		1400		42				
TOTAL CONNECTED LOAD PER PHASE (KVA)				2.20		2.80		2.80				
TOTAL CONNECTED LOAD				7.80 KVA						21.7 A		
MINIMUM FEEDER SIZE PER ARTICLE 225				6.00 KVA						16.7 A		



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PROJECT:
D442 CLASSROOM RENOVATION
POMERANTZ 300 11TH AVE
NEW YORK NY 10001

DRAWING TITLE:
ELECTRICAL
PARTIAL POWER
RISER DIAGRAM AND DETAILS

DEPARTMENT OF BUILDING JOB #

SEAL & SIGNATURE: DATE: 06.01.2023
PROJECT No: 223203
DRAWING BY: AB
CHK BY: WM
DWG No:
E-600.00
SCALE: NTS 4 OF 5

ISSUED FOR ADDENDUM #2 06.29.2023

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