

ARCHITECTURAL DESIGN ASSOCIATES, P.C.
3410 'O' STREET, SUITE A
LINCOLN, NE. 68510

January 19, 2024

**LINCOLN PUBLIC SCHOOLS
ARTS & HUMANITIES FOCUS PROGRAM – ENHANCEMENT PROJECT
LINCOLN, NEBRASKA**

ADDENDUM #1

This addenda is issued by the Architect to all known bidders before receipt of proposals. Bidders shall acknowledge the receipt of this Addendum on their bid form and all information and instructions given herein shall become a part of the Contract Documents.

SPECIFICATIONS

Item No. 1-1: **Section 00 43 23 – Alternates Form**

1. At Paragraph 2.01, Alternates, at Alternate A-3, change 'TPO' to 'PVC'.

Item No. 1-2: **Section 01 10 00 - Summary**

- A. At Paragraph 1.04 – Work by Owner, add the following:
 2. "A-4. Owner will provide and install Kitchen Appliances."
 3. "B-2. Owner will provide and install Short-throw Projectors (Raceway by Contractor).
 4. "B-3. Owner will provide and install Sound System at Classrooms (Raceway by Contractor). A/V System at Commons 181 by Contractor.

DRAWINGS

Item No. 1-3: **Sheet G0.0 – Cover Sheet**

- A. At 'Sheet Schedule', Correct the following sheet numbers as follows: Change M2.1 to M1.2 – Change M3.1 to M2.1 – Change M4.1 to M3.1. See Mechanical drawings for correct sheet names and numbers.
- B. At 'Sheet Schedule', Add 'Sheet E5.2 – Electrical-Audio/Visual Schematic'. Note that this electrical sheet was included in the originally issued drawing set.

Item No. 1-4: **Sheet LS1.1 – Life Safety Code Plan**

- A. At 'Code Plan – First Floor – Detail 1', At Electrical Room 184M, adjust the 1-hour fire rated wall location to follow the east and north walls of this electrical room.

Item No. 1-5: **Sheet C1.0 – Site Plan & Det's**

- A. At 'Site Overall Plan – Detail 1', Add a note to include 2 galvanized steel pipe bollards at the area of the PIV and FDC as shown on Sheet P2.1.

Item No. 1-6: **Sheet D1.3 – RCP Demo**

- A. At 'Reflected Ceiling Plan – Detail 1', At OT/PT Office 100, Remove and salvage ceiling pads, grid and lights as needed to install electrical and fiber conduit. See Elec and Sheet A3.0 for extent and location of conduit.
- B. At 'Reflected Ceiling Plan – Detail 1' – At Vest. 180, Remove gyp board ceiling as needed to install electrical and fiber conduit. See Elec and Sheet A3.0 for extent and location of conduit.

Item No. 1-7: **Sheet A1.1 – Overall Floor Plan**

- A. At 'Overall Floor Plan – Detail 1', Show new conduit extending above ceiling through OT/PT Office 100, above ceiling at Exist. Vest. 180 and as high as possible through Exist. Environ. Room 104 – See Elec. for extent and location of conduit.

Item No. 1-8:**Sheet A1.2 – Floor Plans**

- A. At 'Electrical Room Reno Plan – Det 4', At Elec Room 184M walls, add the following note: "1-hour fire rated with 5/8" type 'x' gyp board on 3 5/8" metal studs at 16" o.c. from floor to floor slab above – paint – typ."

Item No. 1-9:**Sheet A3.0 – RCP Overall Plan**

- A. At 'RCP Overall Plan – Detail 1' – At OT/PT Office 100, remove and reinstall lights and remove and reinstall or replace ceiling pads and grid as needed to install electrical and fiber conduit. See Elec for extent and location.
- B. At Vest. 180, replace, finish and paint gyp board ceiling to match existing as needed to install electrical and fiber conduit. See Elec for extent and location of conduit.

Item No. 1-10:**Sheet A3.1 – RCP Plans**

- A. At 'Reflected Ceiling Plan – Detail 1' – At OT/PT Office 100, remove and reinstall lights and remove and reinstall or replace ceiling pads and grid as needed to install electrical and fiber conduit. See Elec and Sheet A3.0 for extent and location.
- B. At 'Reflected Ceiling Plan – Detail 1' – At Vest. 180, replace, finish and paint gyp board ceiling as needed to install electrical and fiber conduit. See Elec and Sheet A3.0 for extent and location of conduit.

Item No. 1-11:**Sheet A11.4 – Room Finish Schedule**

- A. At 'Room Finish Schedule' – At OT/PT Office 100, add a note to replace acoustic ceiling system at electrical work area.
- B. At 'Room Finish Schedule' – At Vestibule 180, add a note to replace gyp board ceiling system at electrical work area and paint ceiling with P-2B.

See Attached Mechanical and Electrical Addenda Items.

END OF ADDENDUM NO. 1

**SECTION 00 43 23
ALTERNATES FORM**

PARTICULARS

1.01 THE FOLLOWING IS THE LIST OF ALTERNATES REFERENCED IN THE BID SUBMITTED BY:

1.02 (BIDDER) _____

1.03 DATED _____ AND WHICH IS AN INTEGRAL PART OF THE BID FORM.

ALTERNATES

2.01 THE FOLLOWING AMOUNTS SHALL BE ADDED TO OR DEDUCTED FROM THE BID AMOUNT. REFER TO SECTION 01 23 00 - ALTERNATIVES: SCHEDULE OF ALTERNATIVES FOR A COMPLETE DESCRIPTION OF EACH ALTERNATE.

ALTERNATE NO. A-1: DELETE THE NEW UPPER WALL CABINETS AS SHOWN AND NOTED ON THE INTERIOR ELEVATION DRAWINGS:

\$ _____

ALTERNATE NO. A-2: DELETE THE REMOVAL OF THE SPRAY URETHANE & SILICONE ROOF SYSTEM AND DELETE THE REPLACEMENT OF THIS ROOF SYSTEM WITH A MODIFIED BITUMEN ROOF SYSTEM - AT ROOF AREA SHOWN ON THE ROOF PLAN A4.1.

\$ _____

ALTERNATE NO. A-3: DELETE THE REMOVAL OF THE PVC ROOF SYSTEM AND DELETE THE REPLACEMENT OF THIS ROOF SYSTEM WITH A MODIFIED BITUMEN ROOF SYSTEM - OVER THE GROUNDS 121 AREA - AS SHOWN ON THE ROOF PLAN A4.1.

\$ _____

ALTERNATE NO. A-4: DELETE THE REMOVAL OF A PORTION OF THE EPDM ROOF SYSTEM AND DELETE THE REPLACEMENT OF THIS ROOF SYSTEM WITH AN EPDM ROOF SYSTEM - OVER THE OT/PT 100 AREA - AS SHOWN ON THE ROOF PLAN A4.1.

\$ _____

END OF SUPPLEMENT

SECTION 01 10 00 SUMMARY

PART 1 GENERAL

1.01 PROJECT

- A. Project Name: LPS Arts & Humanities Focus Program Facility - Enhancements Project.
- B. Owner's Name: Lancaster County School District 55-001 a/k/a Lincoln Public Schools.
- C. Coordinating Professional's Name: Architectural Design Associates P.C.
- D. The Project consists of the alteration of the existing LPS Arts & Humanities Focus Program Facility and the associated Bottlers Building at 643 S 25th St, Lincoln, NE for Lincoln Public Schools.

1.02 CONTRACT DESCRIPTION

- A. Contract Type: A single prime contract based on a Stipulated Price as described in Document 00 52 00 - Agreement Form.

1.03 DESCRIPTION OF ALTERATIONS WORK

- A. Scope of demolition and removal work is indicated on drawings and specified in Section 02 41 00.
- B. Scope of alterations work is indicated on drawings.
- C. Plumbing: Alter existing system and add new construction, keeping existing in operation.
- D. HVAC: Alter existing system and add new construction, keeping existing in operation.
- E. Electrical Power and Lighting: Alter existing system and add new construction, keeping existing in operation.
- F. Fire Suppression Sprinklers: The building does not currently have a fire suppression system.
- G. Fire Alarm: Alter existing system and add new construction, keeping existing in operation.
- H. Telephone: Alter existing system and add new construction, keeping existing in operation.
- I. Security System: Alter existing system and add new construction, keeping existing in operation.
- J. Sound System: Alter existing system and add new construction, keeping existing in operation.
- K. IT Data System: Alter existing system and add new construction, keeping existing in operation.
- L. Fiber Optics System: Alter existing system and add new construction, keeping existing in operation.
- M. The Owner may remove salvage items before or during the work. Walk through the building with the Owner and confirm items to be removed by the Owner and a schedule for removal, before starting work.

1.04 WORK BY OWNER

- A. Items noted NIC (Not in Contract) or BO (By Owner) will be supplied and installed by Owner before Substantial Completion. Some items include:
 - 1. Movable cabinets and furniture.
 - 2. Furnishings.
 - 3. Small equipment.
 - 4. Kitchen appliances.

23-007 / LPS Arts & Humanities Focus Program Facility - Enhancements Project	01 10 00 - 1	Summary
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- B. Owner will supply and install the following:
 1. Signage at renovation rooms.
 2. Short-throw projectors (Raceway by Contractor).
 3. Sound System at Classrooms (Raceway by Contractor). A/V System at Commons 181 by Contractor
- C. Owner will supply the following for installation by Contractor:
 1. Toilet Accessories: Framed mirrors, soap dispensers, toilet paper holders, feminine product dispenser and disposal units and paper towel dispensers.
 2. Fire extinguishers provided by Owner and installed by Contractor. Fire extinguisher cabinets to be provided and installed by Contractor.

1.05 OWNER OCCUPANCY

- A. Owner intends to continue to occupy adjacent portions of the existing building during the entire construction period.
- B. Owner may choose to occupy completed portions of the work prior to the completion date for the entirety of the Project. The possibility of this will be reviewed with the Contractor during construction.
- C. Cooperate with Owner to minimize conflict and to facilitate Owner's operations.
- D. Schedule the Work to accommodate Owner occupancy.

1.06 CONTRACTOR USE OF SITE AND PREMISES

- A. Construction Operations: Limited to areas noted on Drawings.
 1. Locate and conduct construction activities in ways that will limit disturbance to site.
- B. Arrange use of site and premises to allow:
 1. Owner occupancy.
 2. Work by Owner.
 3. Use of site and premises by the public.
- C. Provide access to and from site as required by law and by Owner:
 1. Emergency Building Exits During Construction: Keep all exits required by code open during construction period; provide temporary exit signs if exit routes are temporarily altered.
 2. Do not obstruct roadways, parking lots, sidewalks, or other public ways without permit.
- D. Existing building spaces may not be used for storage.
- E. Time Restrictions:
 1. Coordinate timing of noise, fume and dust generating work with Owner.
 2. Work schedule to be 7:00 a.m. to 5:00 p.m. or per negotiation with Owner.
- F. Utility Outages and Shutdown:
 1. Limit disruption of utility services to hours the site is unoccupied.
 2. Do not disrupt or shut down life safety systems, including but not limited to fire alarm system, without 7 days notice to Owner and authorities having jurisdiction.
 3. Prevent accidental disruption of utility services to other facilities.

1.07 WORK SEQUENCE

- A. Construct Work in phases during the construction period:
- B. Construction Schedule:
 1. From Notice to Proceed until May 5, 2025. Includes all work.

1.08 SITE SUPERINTENDENT

- A. The Contractor is required to provide an on-site Site Superintendent when subcontractors are working at the construction site.

23-007 / LPS Arts & Humanities Focus Program Facility - Enhancements Project	01 10 00 - 2	Summary
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PART 2 PRODUCTS - NOT USED
PART 3 EXECUTION - NOT USED

END OF SECTION

23-007 / LPS Arts & Humanities Focus Program Facility - Enhancements Project	01 10 00 - 3	Summary
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LINCOLN PUBLIC SCHOOLS

ARTS & HUMANITIES FOCUS PROGRAM BOTTLERS BUILDING 643 S 25TH ST #9, LINCOLN, NE LINCOLN, NE



2 VICINITY PLAN
GO.0 1" = 160'-0"

CONSTRUCTION DOCUMENTS

JANUARY 11, 2024



SCHEMATIC RENDERING
SCALE: NONE

ABBREVIATIONS

NOTE: GENERAL LIST - NOT ALL MAY APPLY

ACS	ACOUSTICAL CEILING SYSTEM	FEP	FINISHED END PANEL	LDR	LEADER	S	SOUTH / SINK
BLKG	BLOCKING	FEE	FLARED END SECTION	LTL	LINTEL	SCH	SCHEDULE
ALU(AM)	ALUMINUM ALTERNATE	FFE	FINISH FLOOR ELEVATION (CIVIL) / FURNITURE, FIXTURES & EQUIP.	LVL	LAMINATED VENEER LUMBER	SD	SMOKE DAMPER
B.O.	BY OWNER / BOTTOM OF	FG	FIREGLASS	LWT	LIGHTWEIGHT	SEC	SECTION
BLKG	BLOCKING	FL	FLOW LINE	LW	LUMBER	SEP	SEPARATE
BRG	BEARING	FOR	FACE OF BRICK/BLOCK	MAX	MAXIMUM	SHT	SHEET
BTM	BOTTOM	FOW	FACE OF WALL	MB	MARKER BOARD	SHG	SHEDDING
CATV	UNDERGROUND CABLE	FR	FIRE RATED	MBS	METAL BUILDING SYSTEM	SHR	SIMILAR
TELE	CONTROL JOINT	FTG	FOOTING	MECH	MECHANICAL	SS	SQUARE FEET
CJ	CONTROL JOINT	FV	FOUNDATION	MET	METAL	STL	STAINLESS STEEL
CLG	CEILING	FTV	FIELD VERIFY	MFR	MANUFACTURER	STR	STEEL
CMJ	CONCRETE MASONRY UNIT	G	GAS	MTL	MATERIAL	STRUC	STRUCTURAL
COL	COLUMN	GA	GAUGE	MIN	MINIMUM	T&B	TOP AND BOTTOM
COMP	COMPRESSIBLE	GALV	GALVANIZED	MISC	MISCELLANEOUS	T&G	TONGUE AND GROOVE
CONC	CONCRETE	N	NORTH	MO	MASONRY OPENING	T.O.	TOP OF
CONT	CONTINUOUS	GRAN	GRANULAR (FILL)	MTL	MATERIAL	T.O.S.	TOP OF STEEL
COORD	COORDINATE	GYP BD	GYP BOARD	NO	NUMBER	TO	TOP OF WALL
CPT	CARPET	HC	HOLLOWCORE	N	NORTH	TYP.	TYPICAL
CT	CERAMIC TILE	HW	HOLLOW	NTS	NOT TO SCALE	U.N.D.	UNLESS NOTED OTHERWISE
CU	CONDENSING UNIT	HW	HOLLOW	OC	ON CENTER	VB	VINYL BASE
(D)	DEMOLITION	HOR	HORIZONTAL	OD	OUTSIDE DIAMETER	VCT	VINYL COMPOSITION TILE
DEMO	DEMOLITION	HR	HANDRAIL	OPNG	OPENING	VERT.	VERTICAL
DIA	DIAMETER	HT	HEIGHT	OPF SIM	OPPOSITE SIMILAR	VTR	VENT THRU ROOF
DIM	DIMENSION	HW	HOT WATER	OPN	OPEN TO BELOW	m	WELDED WIRE REINFORCEMENT
DN	DOWN	ID	INSIDE DIAMETER	PART	PARTIAL	w/	WITH
DR	DOOR	INCAND	INCANDESCENT	PNL	PANEL	w/o	WITHOUT
(E)	EXISTING	INCL	INCLUDE (S) INCLUDING	PNT	PAINTED	WC	WATER CLOSET
E	EAST	INST	INSTALLED	PTN	PARTITION	WD	WOOD
EJ	EXPANSION JOINT	INSUL	INSULATION	R	RADIUS / RISE	WOW	WINDOW
ELEC	ELECTRICAL	INT	INTERIOR	RCP	REFLECTED CEILING PLAN / REINFORCED CONCRETE PIPE (CIVIL)	WP	WATERPROOF
ELEV	ELEVATOR	INV	INVERT	REG	REGARD		
EQUIP	EQUIPMENT	JAN	JANITORS CLOSET	RE	RECESSED / RECEPTICAL		
EXP	EXPOSED	JT	JOINT	REC	REFERENCE DETAIL		
F	FACE OF	KD	KNOCK DOWN	REF	REFLECTED		
FD	FLOOR DRAIN	KO	KNOCK OUT	REFL	REGISTER		
FE	FIRE EXTINGUISHER	LAM	LAMINATED	REINF	REINFORCED		
FEC	FIRE EXTINGUISHER CABINET	LAV	LAVATORY				

PROJECT DATA

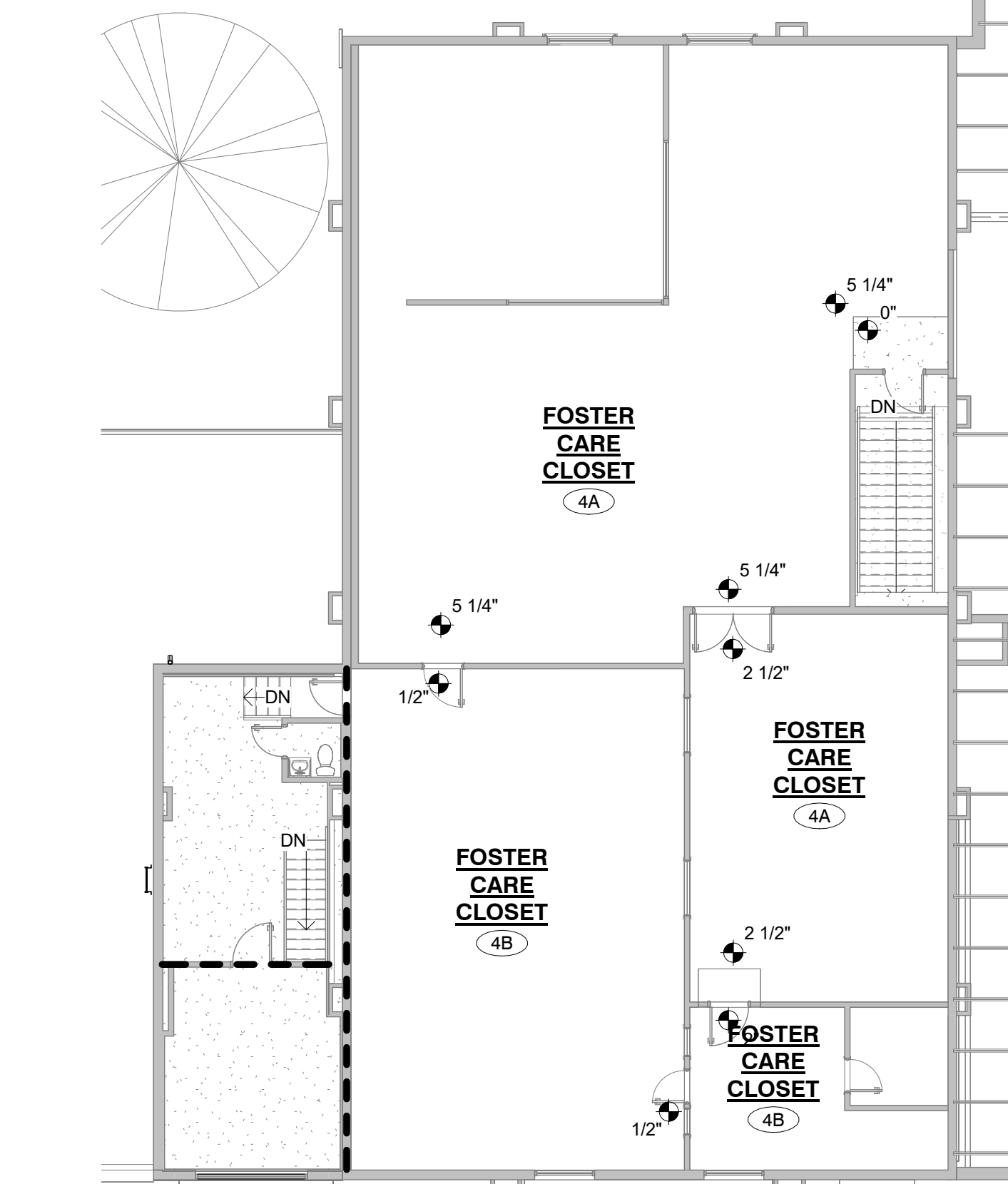
LEGAL DESCRIPTION: YOUNGS EAST LINCOLN, BLOCK 13, Lot 11 - 12, LYING NE OF LINE 15' NE OF RR ROW CENTER LINE & LOTS 13 THRU 16 & WC 1ST ADD LYING E. RR & BLOCK 14 LOTS 1 & 2 LYING E 15' RR ROW & JO YOUNGS SOUTH ADD BLOCK 3 LOT 1 LYING NE OF A LINE 15' NE OF RR, LINCOLN, NEBRASKA.	OCCUPANCY TYPE: IBC - MIXED USE - E - EDUCATION (CLASSROOMS) AND A-2 ASSEMBLY (CAFETERIA) NFPA - NEW EDUCATIONAL - CHAPT. 14 AND NEW ASSEMBLY - CHAPT. 12
ZONING: H-3 HIGHWAY COMMERCIAL DISTRICT	TOTAL OCCUPANCY AREAS: OFFICE/RETAIL/COMMERCIAL: 23,316 SF EDUCATION: 1,675 SF WAREHOUSE: 19,014 SF RESTAURANT: 2,126 SF
TYPE OF CONSTRUCTION: TYPE II-N - NON-FIRE RATED	ARTS & HUMANITIES RENOVATION: AREA: 8,300 SF
ROOF: I.B.C. CLASS 'A' ROOF	FIRE PROTECTION SPRINKLER: NEW NFPA 13 SPRINKLER AT ARTS & HUMANITIES RENOVATION
STORIES: TWO STORIES / 28 FEET (1 STORY BELOW GRADE) ONE STORY AT ARTS & HUMANITIES RENOVATION	FIRE ALARM SYSTEM: ADDRESSABLE FIRE ALARM PANEL WITH MANUAL PULL STATIONS AND HORN / STROBES AT ARTS & HUMANITIES RENOVATION
GOVERNING CODES: 2018 INTERNATIONAL BUILDING CODE 2012 NFPA 101 LIFE SAFETY CODE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN 2018 INTERNATIONAL ENERGY CONSERVATION CODE 2017 NATIONAL ELECTRICAL CODE 2018 INTERNATIONAL MECHANICAL CODE 2018 INTERNATIONAL PLUMBING CODE 2018 INTERNATIONAL FIRE CODE	

SYMBOL LEGEND

100	DOOR NUMBER	?	NEW CONSTRUCTION KEYNOTES
W	WALL TYPE TAG (NEW CONSTRUCTION)	◇	DEMOLITION KEYNOTES
△	ALUMINUM FRAME TYPE TAG	???	BUILDING ELEVATION
#	DOOR TYPE TAG	CT X CPT	FLOOR TRANSITIONS
#	H.M. FRAME TYPE TAG	Room Name	ROOM NAME / ROOM NUMBER
#	WOOD DOOR FRAME TYPE TAG	-	WALL ELEVATION
#	ALUM. CLAD WOOD WINDOWS	-	BUILDINGS / WALL SECTION
#	TOILET ACCESSORY		

SHEET SCHEDULE

GENERAL INFORMATION GO.0 COVER SHEET	STRUCTURAL S1.1 STRUCTURAL GENERAL NOTES S1.2 SCHEDULES & TYPICAL DETAILS S2.1 FOUNDATION & ROOF FRAMING PLANS S3.1 STRUCTURAL DETAILS
LIFE SAFETY LS1.1 LIFE SAFETY - CODE PLANS LS1.2 LIFE SAFETY - CODE MEETING NOTES	PLUMBING P0.0 PLUMBING - GENERAL PROJECT INFORMATION PD1.1 PLUMBING - OVERALL DEMOLITION PLANS & DETAILS PD1.2 PLUMBING - DEMOLITION PLANS - ARTS & HUMANITIES P1.1 PLUMBING - OVERALL PLANS & DETAILS & RISER DIAGRAM P1.2 PLUMBING - SANITARY WASTE & VENT PLANS & RISER DIAGRAM - ARTS & HUMANITIES P1.3 PLUMBING - DOMESTIC WATER PLAN - ARTS & HUMANITIES P2.1 FIRE PROTECTION PLAN P3.1 PLUMBING SCHEDULES & DETAILS
CIVIL C0.1 SITE SURVEY C1.0 SITE PLANS & DETAILS	MECHANICAL MD1.1 HVAC - GENERAL PROJECT INFORMATION MD1.2 HVAC - DEMOLITION PLANS - ARTS & HUMANITIES MD1.3 HVAC - FIRST FLOOR HVAC - ARTS & HUMANITIES MD2.1 ROOF PLAN - MECHANICAL & SECTION DETAILS MD2.2 HVAC - DETAILS MD3.1 HVAC - SCHEDULES
DEMOLITION D1.1 OVERALL DEMO PLANS D1.2 ENLARGED DEMO PLANS D1.3 DEMO RCP D2.1 DEMO ELEVATIONS	ELECTRICAL ED0.0 ELECTRICAL - GENERAL PROJECT INFORMATION ED1.0 ELECTRICAL - OVERALL DEMO PLANS ED1.1 ELECTRICAL - DEMO PLAN - LIGHTING ED2.1 ELECTRICAL - DEMO PLAN - POWER ED3.1 ELECTRICAL - DEMO PANEL SCHEDULES ED3.2 ELECTRICAL - DEMO PANEL SCHEDULES ED1.0 ELECTRICAL - OVERALL RENO PLANS ED1.1 ELECTRICAL - ENLARGED PLANS - LIGHTING ED2.1 ELECTRICAL - ENLARGED PLANS - POWER ED3.1 ELECTRICAL - PANEL SCHEDULES ED4.1 ELECTRICAL - SCHEDULES & RISER DIAGRAMS ED4.2 ELECTRICAL - DOOR CONTROL & AV DETAILS ED4.3 ELECTRICAL - AUDIOVISUAL SCHEMATIC
ARCHITECTURAL A1.1 OVERALL FLOOR PLANS A1.2 FLOOR PLAN - KEYNOTE AND CALLOUT PLANS A1.3 FLOOR PLAN - DIMENSIONS, WALL TYPES AND GENERAL NOTES A2.1 DOOR & FRAME SCHEDULE, ELEVATIONS AND DETAILS A3.0 OVERALL CEILING PLAN A3.1 REFLECTED CEILING PLANS A3.2 CEILING DETAILS A4.1 ROOF PLAN A4.2 ROOF DETAILS A5.0 LOUVER INFIL DETAILS A5.1 EXTERIOR ELEVATIONS A6.1 BUILDING & WALL SECTIONS A7.1 INTERIOR ELEVATIONS - COMMONS A7.2 INTERIOR ELEVATIONS - ART & DIGITAL ART A7.3 INTERIOR ELEVATIONS - CLASSROOMS & SEMINURSE A7.4 RESTROOM ELEVATIONS & DETAILS A7.5 CASEWORK DETAILS	INTERIORS I0.1 FLOOR PLANS, INTERIOR ELEVATIONS & DETAILS I0.2 INTERIOR ELEVATIONS & DETAILS I0.3 MATERIAL SPECIFICATIONS I0.4 ROOM FINISH SCHEDULE



4 CODE PLAN - SECOND FLOOR - ORIGINAL BUILDING

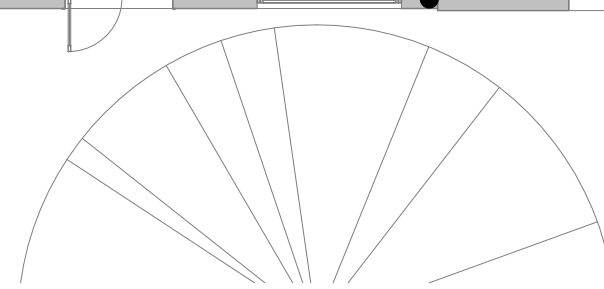
Diagram illustrating a single exit path. A horizontal dashed line represents the path. A solid black circle on the line is labeled "POINT AT WHICH 2 EXIT OPTIONS EXIST." with an arrow. To the left of this circle is a solid black square labeled "# FT" with an arrow pointing to it. Below the line, the text "EXIT PATH" is written with an arrow pointing to the dashed line. Below the "# FT" label, the text "APPROX. TOTAL TRAVEL DISTANCE TO EXIT" is written with an arrow pointing to the "# FT" label.

Diagram illustrating the components of a room label:

- Room name
- 101
- Room Area
- 150 SF
- Floor Area Allowance per Occupant
- B-1
- IBC Occupancy Count
- Occupancy Type
- occ

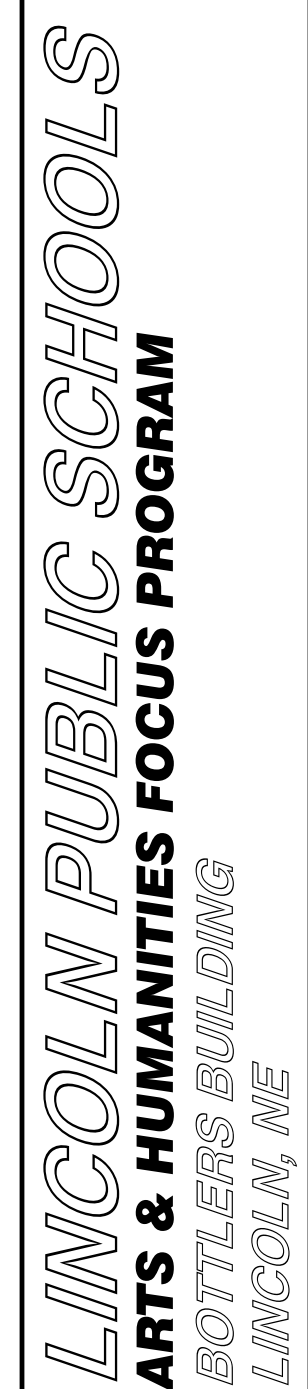
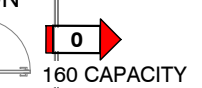
1-HR RATED WALL CONSTRUCTION

2-HR RATED WALL CONSTRUCTION

RENOVATION AREA
IN GRAY HATCH —

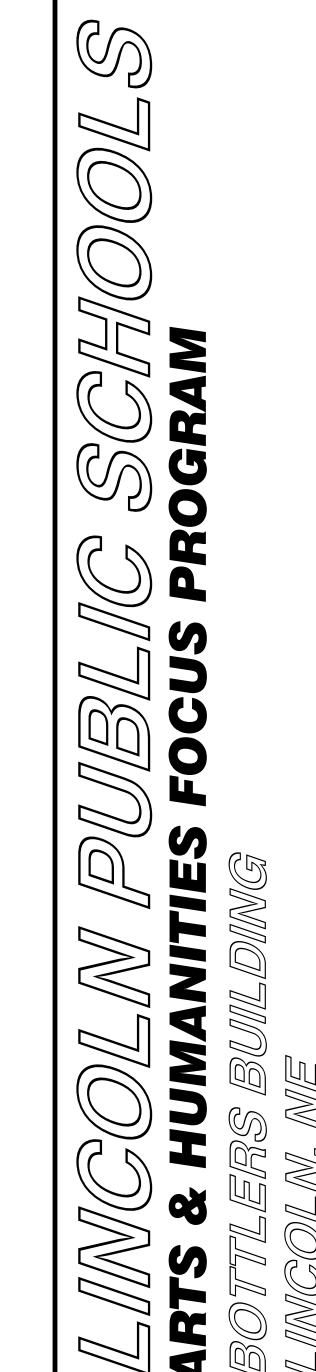
2 CODE PLAN - SECOND FLOOR

FIRE SPRINKLER AT GRAY HATCHED
AREA - (ARTS & HUMANITIES
EDUCATIONAL AREA ONLY) _____

RENOVATION AREA
IN GRAY HATCH —



3410 'O' Street
Suite A
Lincoln, Nebraska 68510
tel 402 486 3232
www.adalincoln.com



Project Number
23-007
Date
1/11/2024
Revisions

#	Date
1	1-18-2023

C1.0



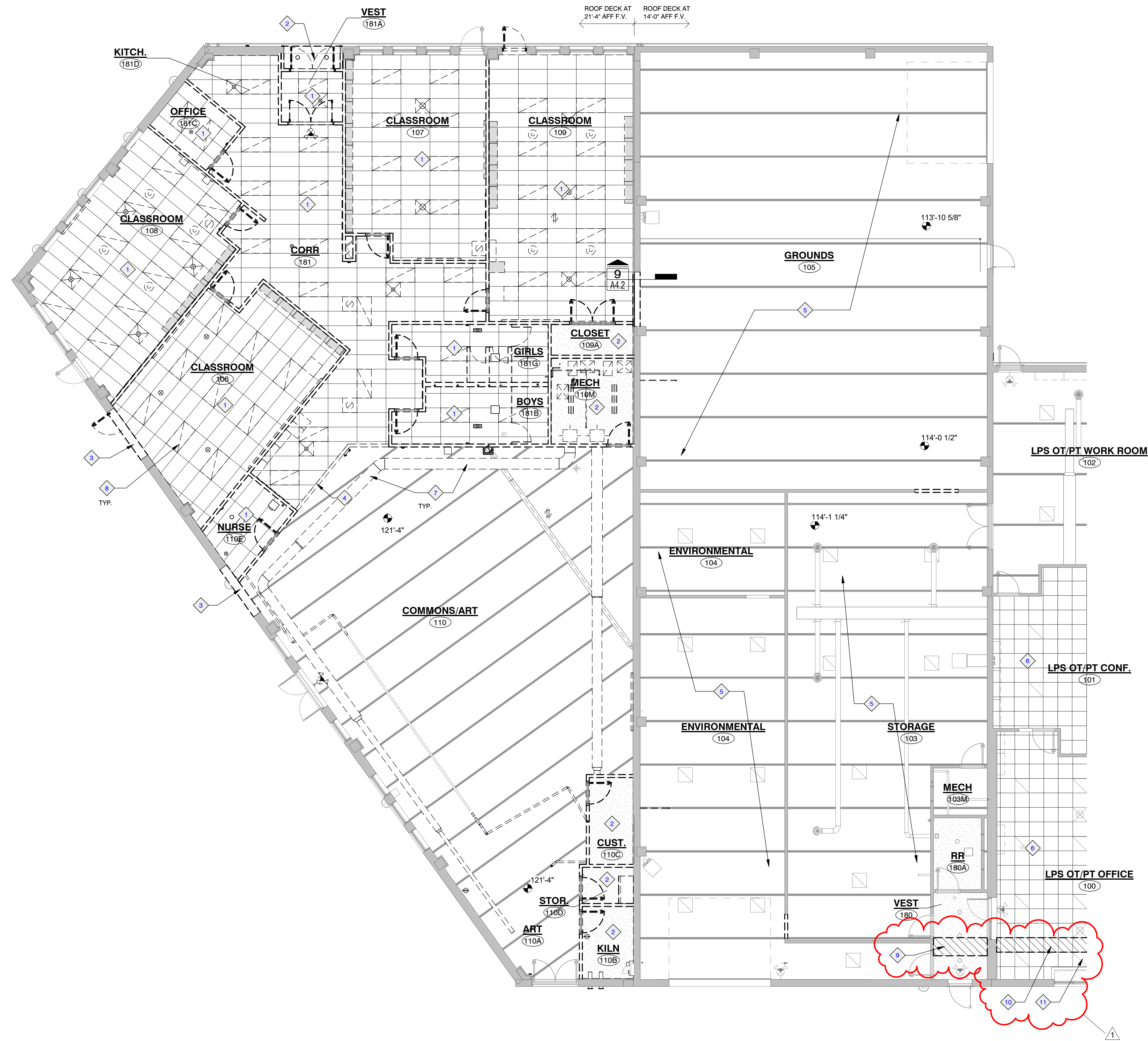
NOTE: BASE FLOOD ELEVATION IS 1164.6 - SET TOP OF TRANSFORMER PAD AT 1166.6' MIN. AND 0.2' ABOVE ADJACENT CURB ELEVATION - F.V. TOP OF TRANSFORMER PAD AT 1166.8'



CURRENT PARKING COUNT
TOTAL EXISTING: 88 STALLS - 1 STALL (TRANSFORMER)
= 87 EXISTING STALLS

\\Server3\\Users\\david\\My Documents\\LPS Arts and Humanities Focus
Program CD david@adalincoln.com.rvt

11/19/2024 10:41:06 AM



1 REFLECTED CEILING PLAN - DEMO
D1.3 1/8" = 1'-0"

- SHEET KEYNOTES**
- 1 REMOVE ACOUSTIC CEILING SYSTEM
 - 2 REMOVE GYP CEILING AND SUSPENSION SYSTEM
 - 3 SAW-CUT MASONRY WALL AND REMOVE PORTION OF CMU WALL AS REQUIRED FOR NEW OPENING - SEE STR. FOR LINTEL
 - 4 REMOVE FRAMED BULKHEAD
 - 5 EXPOSED STRUCTURE
 - 6 AC. CEILING SYSTEM TO REMAIN
 - 7 REMOVE DUCTWORK - SEE MECH.
 - 8 REMOVE LIGHT FIXTURE - SEE ELEC.
 - 9 REMOVE GYP BOARD CEILING AS NEEDED FOR ELECTRICAL AND FIBER OPTIC CONDUIT INSTALLATION - SEE ELEC. AND SHEET A3.0 FOR EXTENT
 - 10 REMOVE AND SALVAGE ACOUSTIC CEILING PADS AND GRID AS NEEDED FOR ELECTRICAL AND FIBER OPTIC CONDUIT INSTALLATION - SEE ELEC. AND SHEET A3.0 FOR EXTENT
 - 11 REMOVE AND REINSTALL LIGHT FIXTURES IF NEEDED FOR CLEARANCE



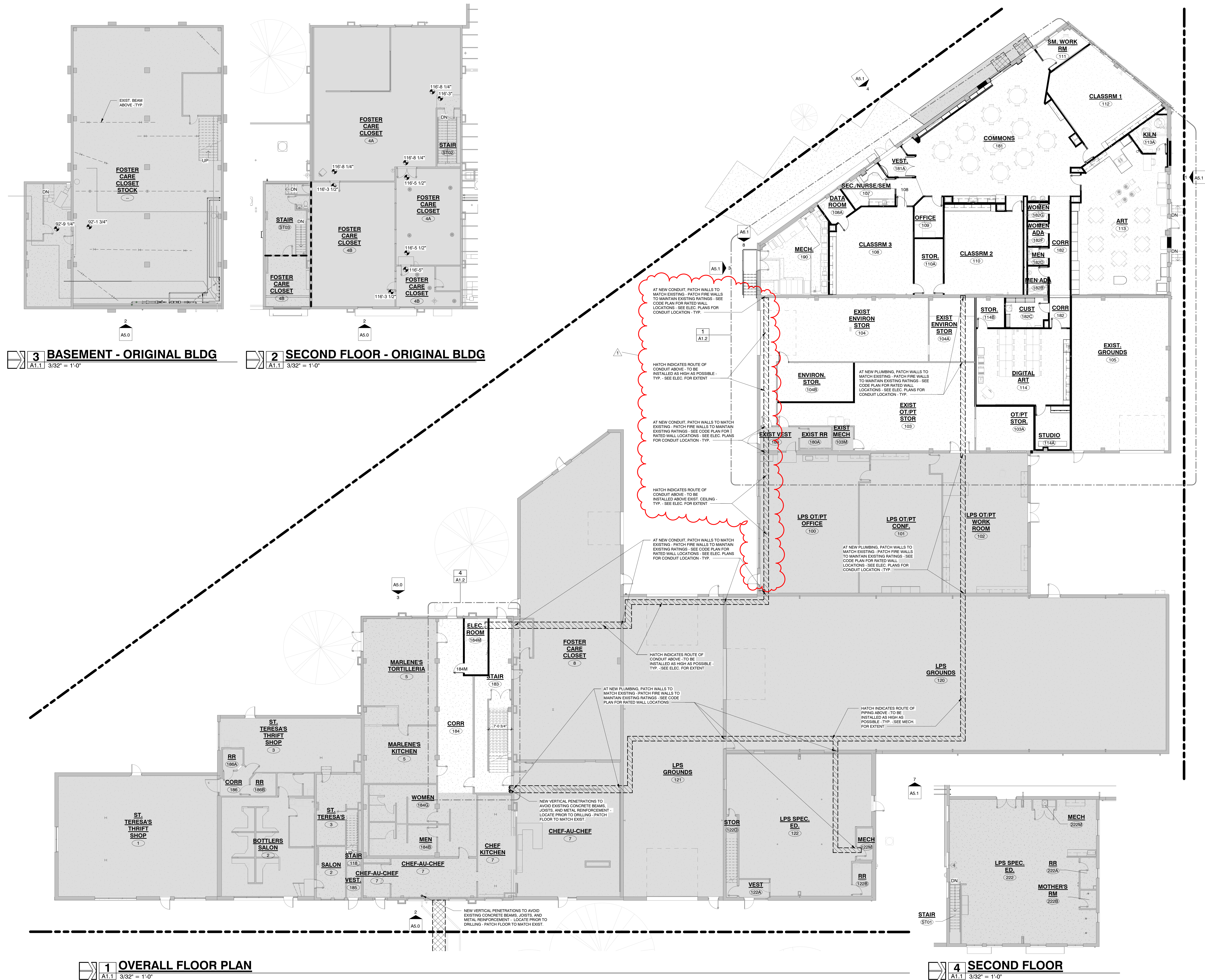
Architectural Design Associates
3410 O Street
Suite A
Lincoln, Nebraska 68510
tel 402 486 3232
www.adalincoln.com

LINCOLN PUBLIC SCHOOLS
ARTS & HUMANITIES FOCUS PROGRAM
BOTTLETS BUILDING
LINCOLN, NE

Project Number	23-007
Date	1/11/2024
Revisions	
#	Date
1	1-18-2023

D1.3
DEMO RCP

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Program_CD_david@adalincoln.com.rvt
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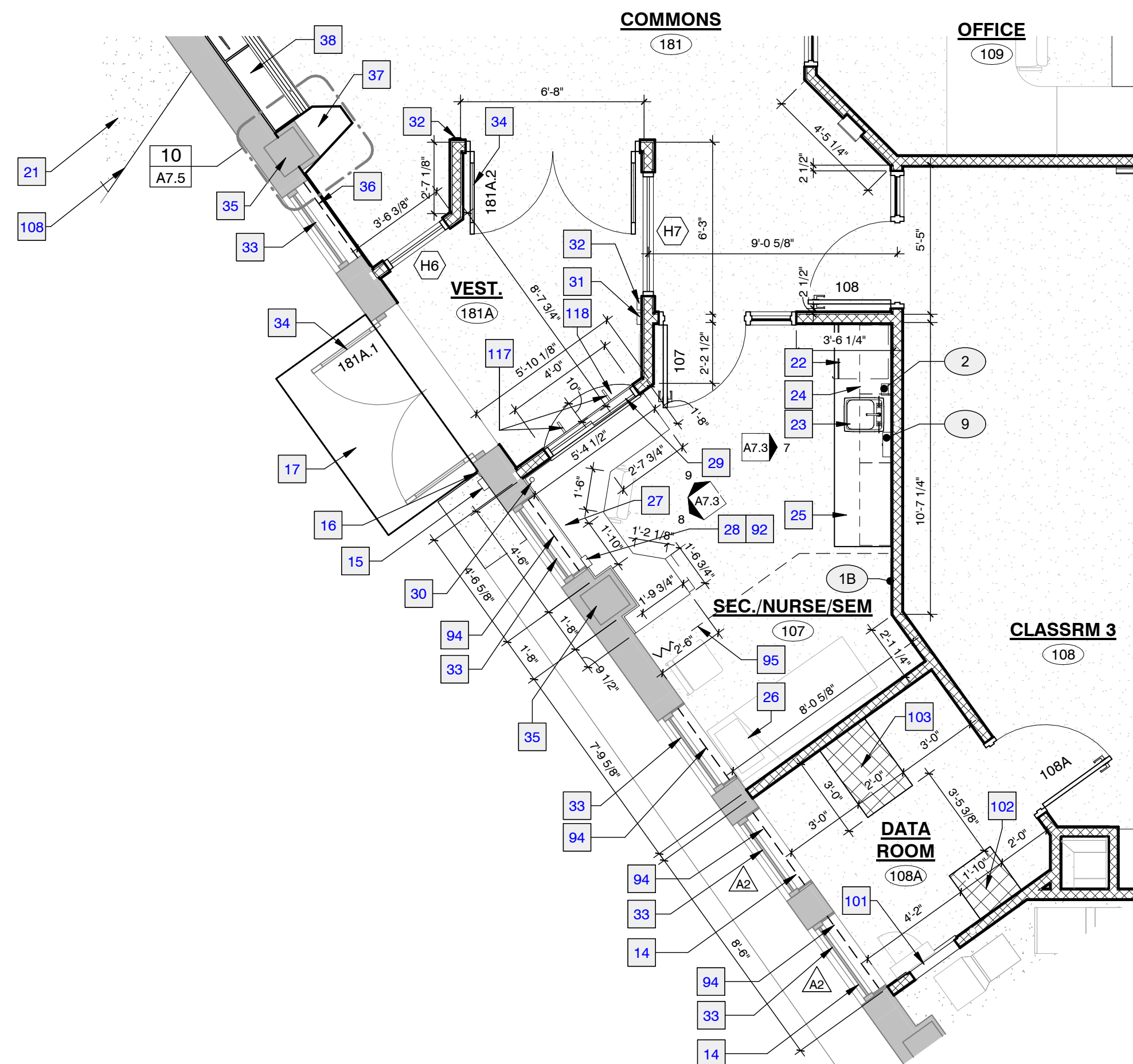


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Program_CD_ADA\ada@adalincoln.com.rvt

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2 ARTS & HUMANITIES - VESTIBULE AND NURSE OFFICE

A1.2 1/4" = 1'-0"



1 ARTS & HUMANITIES - KEYNOTES AND SECTIONS

A1.2 1/8" = 1'-0"



3 ARTS & HUMANITIES - RR PLAN

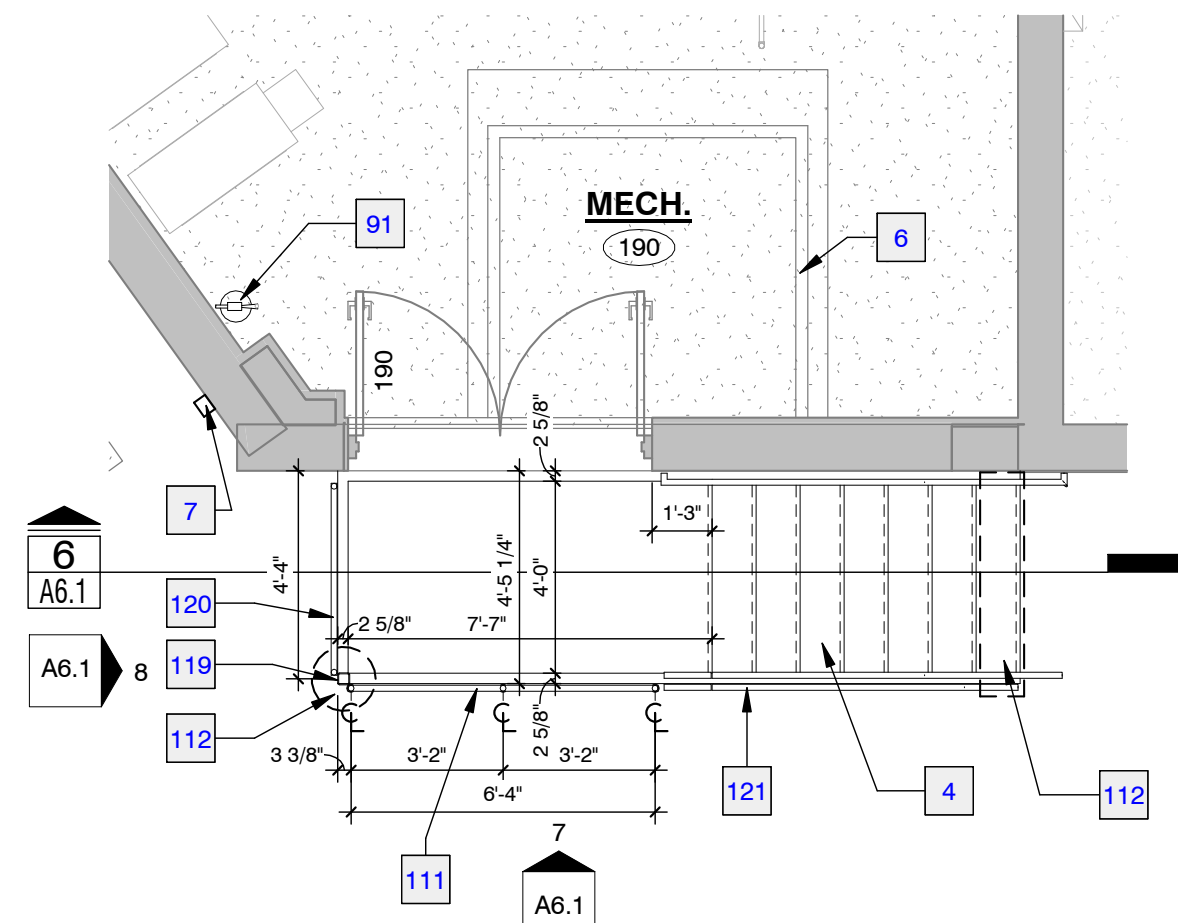
A1.2 1/4" = 1'-0"

TOILET ACCESSORY SCHEDULE					
MARK	DESCRIPTION	MODEL	MOUNTING HGT	PROVIDED BY	INSTALLED BY
1	16" x 30" FRAMED MIRROR	BY OWNER	40" A.F.F. TO BTM.	OWNER	CONTR.
1B	24" x 60" FRAMED MIRROR	BY OWNER	TOP OF MIRROR AT 6'-0"	OWNER	CONTR.
2	SOAP DISPENSER	BY OWNER	40" A.F.F. TO OPERATING MECHANISM	OWNER	CONTR.
3	36" REAR GRAB BAR	3801-36	35 1/4" A.F.F. TO C.L.	CONTR.	CONTR.
4	42" SIDE GRAB BAR	3801-42	35 1/4" A.F.F. TO C.L.	CONTR.	CONTR.
5	TOILET PAPER HOLDER - DBL. ROLL VERTICAL	BY OWNER	18" A.F.F. TO BOTTOM	OWNER	CONTR.
6	KOALA-CARE - BABY CHANGING STATION	K8300-00	SEE ELEVATION	OWNER	CONTR.
7	FEMINE HYGIENE DISPOSAL	BY OWNER	ALIGN TOP WITH T.P. DISPENSER	OWNER	CONTR.
8	SANITARY MARKING AND TAMPON DISPENSER	BY OWNER	40" A.F.F. TO TOP OF OPERATING MECHANISM	OWNER	CONTR.
9	PAPER TOWEL DISPENSER	BY OWNER	40" A.F.F. TO TOP OF OPERATING MECHANISM	OWNER	CONTR.

1. MODEL NUMBER BASED UPON AMERICAN SPECIALTIES PRODUCTS UNLESS NOTED OTHERWISE.
2. REFER TO MANUFACTURERS LITERATURE FOR MOUNTING HEIGHTS FOR BARRIER FREE DESIGN.

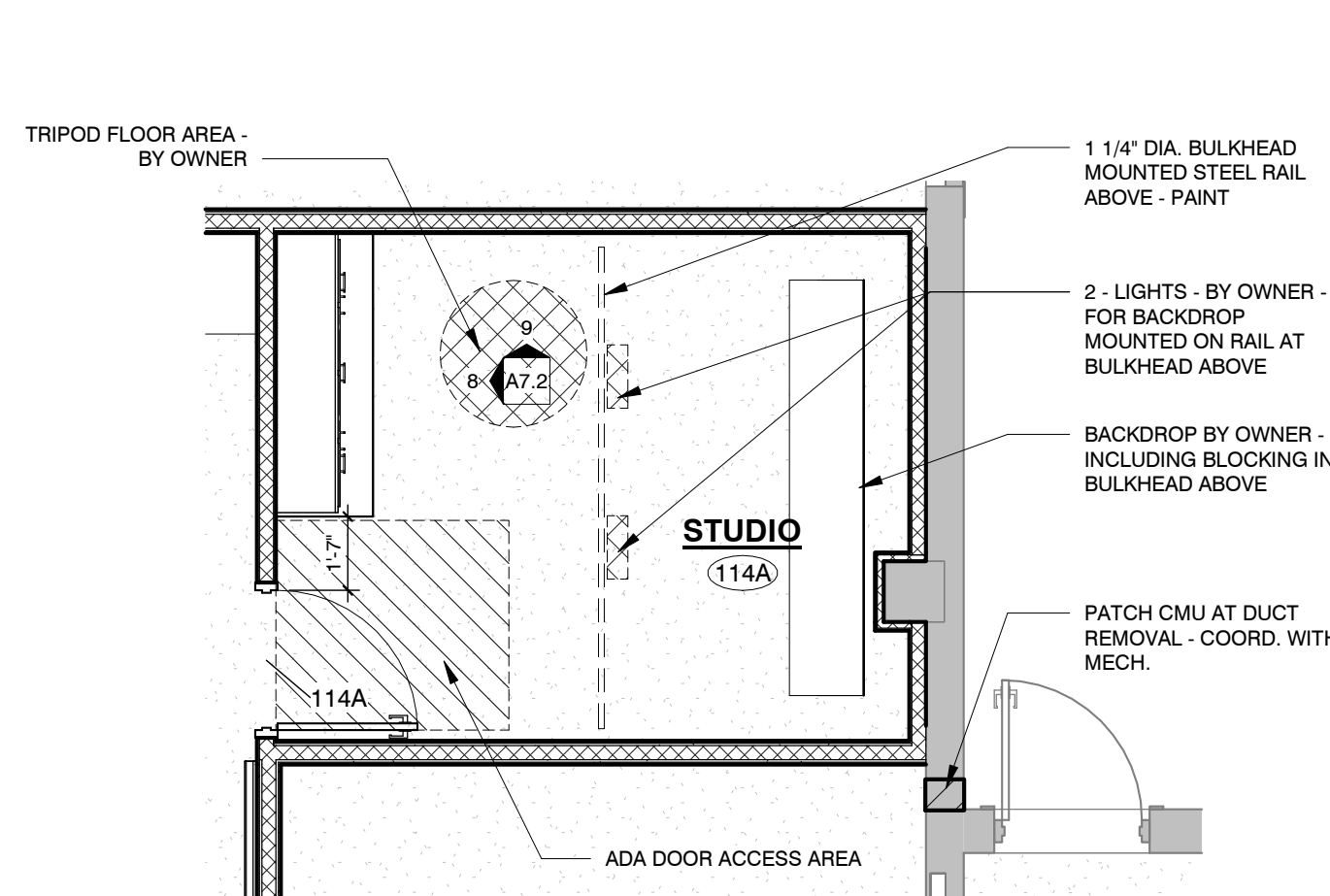
6 MECH ROOM STAIR PLAN

A1.2 1/4" = 1'-0"



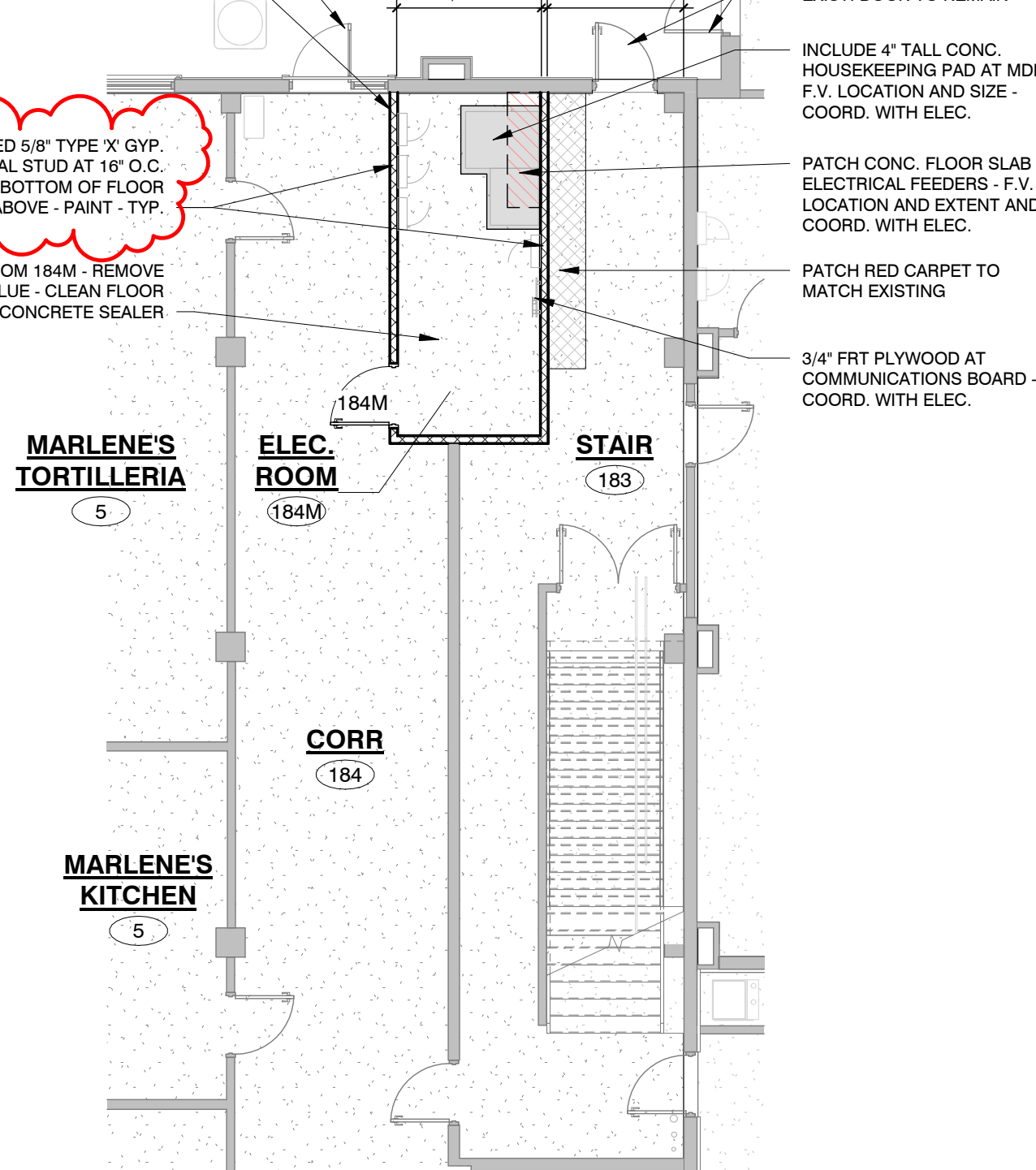
5 STUDIO PLAN

A1.2 1/4" = 1'-0"



4 ELECTRICAL ROOM RENO.

A1.2 1/8" = 1'-0"



SHEET KEYNOTES

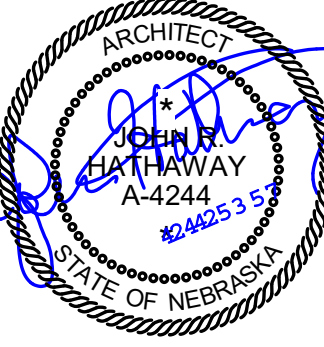
- PATCH GYP. BD. AT WALL DEMO - TYP. - SEE DEMO PLAN FOR EXTENT
- REPAIR GYP. BD. SEAMS AT THIS WALL
- ELECTRICAL PANEL - SEE ELEC. PATCH GYP. BD. AT ELEC. PANEL REVISIONS
- GALV. STEEL STAIRS AND LANDING - NO PAINT - SEE STR.
- FLOOR SINK - SEE MECH
- STEEL ANGLE TO REMAIN
- WALL HYDRANT - SEE MECH - PATCH MASONRY
- DOOR AND FRAME BY OWNER - UNDERCUT DOOR FOR AIRFLOW
- WALLS AND WALL FINISHES BY OWNER AT THIS ROOM
- FLOOR DRAIN TO REMAIN
- ELEVATED MECH ROOM FLOOR AT HATCHED AREA - 4" CONC. SLAB ON METAL DECK ON COLD FORMED METAL FRAMING SUPPORT WALLS - SEE STR. PLUMBING AND RETURN DUCTS UNDER FLOOR
- RELOCATED EXISTING WOOD CABINETS AND NEW COUNTERTOP
- 24X24 WALL MOUNTED ACCESS PANEL TO CRAWL SPACE UNDER MECH. RM. FLOOR INFILL - SET PANEL SILL AT 8" AFF - PAINT TO MATCH WALL
- APPLY FROSTED FILT TO INSIDE FACE OF EXIST. WINDOW
- DOOR CARD READERS TO REMAIN
- DOOR ACTUATOR BUTTON TO REMAIN
- CAST-IN-PLACE CONCRETE STRUCTURAL STOP - SEE STR. - COMPRESSIBLE FILLER AND SEALANT BETWEEN STOP AND ADJACENT PAVING
- TV MONITOR BY OWNER
- H.M. DOOR AND FRAME TO REMAIN - PAINT
- INFILL OPENINGS WITH CMU, FURRING, GYP. BD. AND RIGID INSUL. TO MATCH EXIST. - SEE WALL TYPES
- 4" THICK CAST-IN-PLACE CONCRETE SIDEWALK ON GRADE - CONTROL JOINTS AT 9' O.C.
- UNDER COUNTER REFRIGERATOR BY OWNER
- DROP-IN SINGLE BASIN SINK - SEE MECH
- WOOD UPPER WALL CABINET WITH ADJ. SHELVING - LOOKING MEDICINE CABINET
- PLASTIC LAMINATE COUNTERTOP WITH OAK EDGE - NO BACK SPLASH
- NURSE COT BY OWNER
- PLASTIC LAMINATE COUNTERTOP WITH OAK EDGE - WITH 4" TALL BACKSPLASH - WITH 4" TALL SIDE SPLASHES WHERE COUNTERTOP ABUTS CABINET OR WALL
- LOCKDOWN BUTTON - SEE ELEC
- SLIDING ALUM. SEM WINDOW
- 2" DIA. DESK GROMMET - FIELD VERIFY LOCATION WITH OWNER
- DOOR CONTROL, CARD READER - SEE ELEC. AND HARDWARE SCHEDULE
- DOOR ACTUATOR BUTTON SEE ELEC. AND HARDWARE SCHEDULE
- ALUMINUM WINDOW TO REMAIN
- ACTIVE DOOR LEAF
- MASONRY PLASTER TO REMAIN
- ROLLER SHADE - SEE INTERIOR DRAWINGS
- EVERFLOW BULKHEAD AND COLUMN - 5/8" TYPE 'X' GYP. BD. ON METAL FRAMING - SEE DETAILS
- WOOD LIBRARY WALL WITH ADJ. SHELVING AND INTEGRATED SLIDING MARKER BOARDS - SEE DETAILS
- WASHER DRYER AND LAUNDRY SINK TO REMAIN
- ALL FURNITURE BY OWNER
- INSTALL SALVAGED ELEC. WATER COOLER WITH BOTTLE FILLER - SEE MECH
- INFILL DOOR OPENING BELOW NEW WINDOW WITH CMU, FURRING, RIGID INSUL. AND GYP. BD. TO MATCH EXIST. - SEE WALL TYPES
- ALUMINUM STOREFRONT WINDOW - GALV. STEEL LINTEL ABOVE - SEE STR. - PATCH CMU, GYP. BD. FURRING AND INSUL. - PAINT CMU TO MATCH EXIST.
- PATCH 1" THICK CONC. SLAB ON GRADE - INCLUDE 4" GRANULAR FILL AND VAPOR BARRIER - INCLUDE 18" LONG NO. 4 DOWELS AT 24" O.C. - DRILL AND EPOXY DOWELS 6" INTO EXIST. SLAB - SEE STR. FOR EXTENT OF FOOTINGS
- STEEL COLUMN - SEE STRUCTURAL
- MOP SINK - SEE MECH
- WATER HEATER HUNG ABOVE MOP SINK - SEE MECH
- ELECTRICAL PANEL AND REOD CLEAR FLOOR AREA - SEE ELEC
- WALL MOUNTED STEEL LADDER - PRIME PAINTED - NO FIN. PAINT REQUIRED - 1" DIA. GALV. STEEL TUBE OR BAR RUNGS W/ADHESIVE TOP SURFACE, WELDED AT 12" O.C. MAX - BETWEEN 1-5/8" GALV. STEEL TUBE SIDE RAILS - DISTANCE BETWEEN SIDE RAILS TO BE 20" CLEAR
- REPAIR WINDOW CORNER BEADS AT JAMBS, HEAD, AND SILL
- OAK SHELF AND CLOTHES HANGING ROD WITH SUPPORT BRACKETS AS REQUIRED
- WOOD TALL WARDROBE CABINET WITH 2 LOCKABLE DOORS AND COAT ROD AND SHELF
- VERTICAL ART STORAGE - REMOVAL AND REINSTALL BY OWNER
- STUDENT CUBBIE CABINET - REMOVAL AND REINSTALL BY OWNER
- WOOD TALL CABINET WITH ADJ. SHELVING
- DROP-IN SINGLE BASIN ADA SINK - SEE MECH
- DUCTLESS PORTABLE FUME HOOD BY OWNER (APPROX. 26.5" D. X 36" W. X 35" H.)
- WALL MOUNTED CLAY EXTRUDER - BY OWNER - PROVIDE BLOCKING IN WALL
- KILN BY OWNER - VENTING SYSTEM AND DUCTWORK BY CONTRACTOR - SEE MECH. - COORDINATE KILN LOCATION AND VENTING DUCTWORK WITH OWNER
- 4 POTTERY WHEELS AND CHAIRS BY OWNER - CEILING HUNG RETRACTABLE CORD REELS BY CONTRACTOR - SEE ELEC.
- SWITCHES RACK - BY OWNER
- SLAB ROLLER - BY OWNER
- SHELVING BY OWNER
- DRYING RACK - BY OWNER
- LIGHT BOX - BY OWNER
- PAPER CUTTER - BY OWNER
- DOUBLE STACK FLAT FILE (33.5" W. X 41" D.) - BY OWNER
- FLOOR DRAIN - SEE MECH - NO SLOPE ON FLOOR
- WALL MOUNTED FLUSH-VALVE TOILET - SEE MECH
- WALL MOUNTED LAVATORY - SEE MECH
- URNAL - SEE MECH
- MOTORIZED PROJECTION SCREEN MOUNTED IN BULKHEAD - 69" H. X 104" W. X 123" DIA. F.V. - BOTTOM OF SCREEN TO BE AT 98" AFF - PROVIDED AND INSTALLED BY CONTRACTOR
- 9" THICK CAST-IN-PLACE CONCRETE RAMP - INCLUDE 4" GRANULAR FILL AND VAPOR BARRIER - INCLUDE 18" LONG NO. 4 DOWELS AT 24" O.C. - DRILL AND EPOXY DOWELS 6" INTO EXIST. SLAB - 121 MAX. SLOPE
- STEEL LINTEL ABOVE AT MASONRY OPENING
- 5.5" TALL X 6" WIDE GIP CONC. CURB FULL LENGTH OF COURSE 105 SOUTH WALL WITH 3/4" CHAMFER JOINTS AT 4' O.C. - SEAL JOINT BETWEEN CURB AND FLOOR ON EACH SIDE
- REMOVE FLOOR DRAIN - SEE MECH - PATCH CONC. FLOOR
- AT HATCHED AREA - GRIND HIGH AREAS AND FILL LOW AREAS OF EXISTING CONC. SLAB WITH FLOOR STONE SO IT IS LEVEL WITH ADJACENT SLAB AREAS
- POWER AND DATA RACEWAY - SEE ELEC
- LAPTOP CART - BY OWNER
- JUSTSTAND DESK - BY OWNER
- OVERHEAD PROJECTOR CART WITH 2 PRINTERS - BY OWNER
- TEACHER WORKSTATION - BY OWNER
- 24" X 60" NESTING TABLES - BY OWNER
- SCANNER - BY OWNER
- NO CABINETS - BY OWNER
- BACKDROP BY OWNER - PROVIDE 2X WOOD BLOCKING IN BULKHEAD - VERIFY MOUNTING LOCATION WITH OWNER
- PLASTIC LAMINATE COUNTERTOP WITH OAK EDGE AND REMOVABLE 3/4" OAK VENEER KNEE GUARD
- STUDIO LIGHTING BY OWNER - MOUNTED TO PIPE RAIL
- CUT OPENING IN EXIST. STUD. WALL - ADD HEADER, KING STUDS AND TRIMMER STUDS - PATCH GYP. BOARD AND PAINT TO MATCH EXIST.
- SEM-RECESSED MOUNT FIRE EXTINGUISHER CABINET
- BRACKET MOUNTED FIRE EXTINGUISHER
- REINSTALL SLAVAGED LOCK-OUT. LOCK-DOWN BUTTON SIGNAGE - COORD. WITH ELECTRICAL BUTTON LOCATION
- WOOD UPPER WALL CABINET WITH ADJ. SHELVING TYP.
- WINDOW BLIND TO REMAIN - PROTECT
- CEILING HUNG PRIVACY CURTAIN AND CURTAIN TRACK - PC-1 - SEE INTERIOR DESIGN DRAWINGS
- JOG STUDS 5/8" TO LINE UP 1 HR AND 2 HR WALL FINISH FACE
- STEEL BEAM ABOVE - SEE STRUCTURAL
- PATCH GYP. BD. AT ELEC. PANEL AND CONDUIT DEMO
- TREE TO REMAIN
- PATCH 1" THICK CONC. SLAB ON GRADE - INCLUDE 4" GRANULAR FILL AND VAPOR BARRIER - INCLUDE 18" LONG NO. 4 DOWELS AT 24" O.C. - DRILL AND EPOXY DOWELS 6" INTO EXIST. SLAB - SEE MECH FOR EXTENT OF PLUMBING
- 24X24 1-HR FIRE RATED WALL MOUNTED ACCESS PANEL TO CRAWL SPACE UNDER MECH FLOOR INFILL
- WALL MOUNT COMMONS AREA AV RACK - SEE ELEC
- DATA RACK - SEE ELEC
- ACOUSTICAL TACK SURFACE WALL PANELS FOR ART DISPLAY - SEE INTERIOR DRAWINGS
- REMOVE AND SALVAGE PLYWOOD AND 2X4 FRAMED STORAGE PLATFORM AND SHELVING TO BE REINSTALLED AFTER ADDITION OF 1-LAYER OF 5/8" TYPE 'X' GYP. BD. AND FINISH AT SOUTH SIDE OF WALL - REINSTALL EXIST. 8" HIGH OSB AFTER GYP. BD. INSTALL
- REMOVE EXISTING PL WOOD ON WALL AND ADD SECOND LAYER OF 5/8" TYPE 'X' GYP. BD. FULL HEIGHT OF WALL - REINSTALL PLYWOOD
- AT EXPOSED CONCRETE SLABS - FILL EXISTING AND NEW JOINTS WITH URETHANE SEALANT AFTER FLOOR SEALER IS INSTALLED
- 1/2" EXP. JOINT WITH COMPRESSIBLE FILLER AND SEALANT
- SECURE LADDERS TO WALL W/ 3/8" X 3" - 7" GALV. - STEEL PLATE 'L' SHAPED STAND-OFFS W/ 3/8" DIA. X 4" EMBED LAG BOLT ANCHORS
- EXISTING PAVING TO REMAIN
- REMOVABLE 1 1/2" DIA. GALV. STEEL GUARDRAIL FOR MECH EQUIPMENT ACCESS
- SAW CUT, REMOVE AND REPLACE ASPHALT PAVING TO MATCH EXIST. AT STAIR FOOTINGS - SEE STR. FOR EXTENT OF FOOTINGS
- CUT AND PATCH DRYWALL AT EXISTING WALLS OF ROOMS 107, 108, 110, 112, AND 181A TO CONCEAL ELECTRICAL CONDUIT AND TO RECESS J-BOXES - NO EXPOSED RACEWAYS OR BOXES ALLOWED AT THESE WALLS
- REMOVE AND REPLACE EXIST. GYP. BD. WITH 5/8" TYPE 'X' CEMENT BACKERBOARD AT ALL THE LOCATIONS - SEE INTERIOR DRAWINGS
- INSTALL BLOCKING IN EXISTING WALL FOR TOILET ACCESSORIES
- CUT AND PATCH GYP. BD. FOR DOOR ACCESS CONDUIT AND J-BOXES
- SILL SUPPORT BRACKET (RACKS FB-0408 4X6 ALUM.) AT 2'-0" O.C. - PROVIDE BLOCKING IN WALL
- PLASTIC LAMINATE TRANSACTION TOP WITH OAK EDGE - RADIUS VESTIBULE SIDE
- GALV. STEEL LANDING COLUMN - NO PAINT - SEE STR.
- 1 1/2" DIA. GALV. STEEL GUARDRAIL - WELD TO SIDE OF STRINGER
- 1 1/2" DIA. GALV. STEEL GUARDRAIL WITH HANDRAIL - WELD TO SIDE OF STRINGER
- FOR ELEC POWER AND DATA AT EXISTING WALLS, CUT AND PATCH EXISTING GYP. METAL FURRING AND INSULATION FOR THE ELEC. TO INSTALL CONCEALED CONDUIT AND J-BOXES, EXCEPT AT EXISTING EAST AND NORTH WALLS OF ART ROOM 113 - USE 4000 SERIES WIRE MOLD INSTEAD OF CONCEALED CONDUIT
- WEDGING TABLE - BY OWNER
- WATER COOLER - SEE MECH
- 18" DIA. WALL MOUNTED ACCESS PANEL TO PLUMBING CHASE - SET PANEL SILL AT 3'-4" AFF - PAINT TO MATCH TILE COLOR BY INT. DESIGNER

LINCOLN PUBLIC SCHOOLS
ARTS & HUMANITIES FOCUS PROGRAM
BOTTLEERS BUILDING
LINCOLN, NE

Project Number
23-007
Date
1/11/2024
Revisions
Date
1 1-18-2023

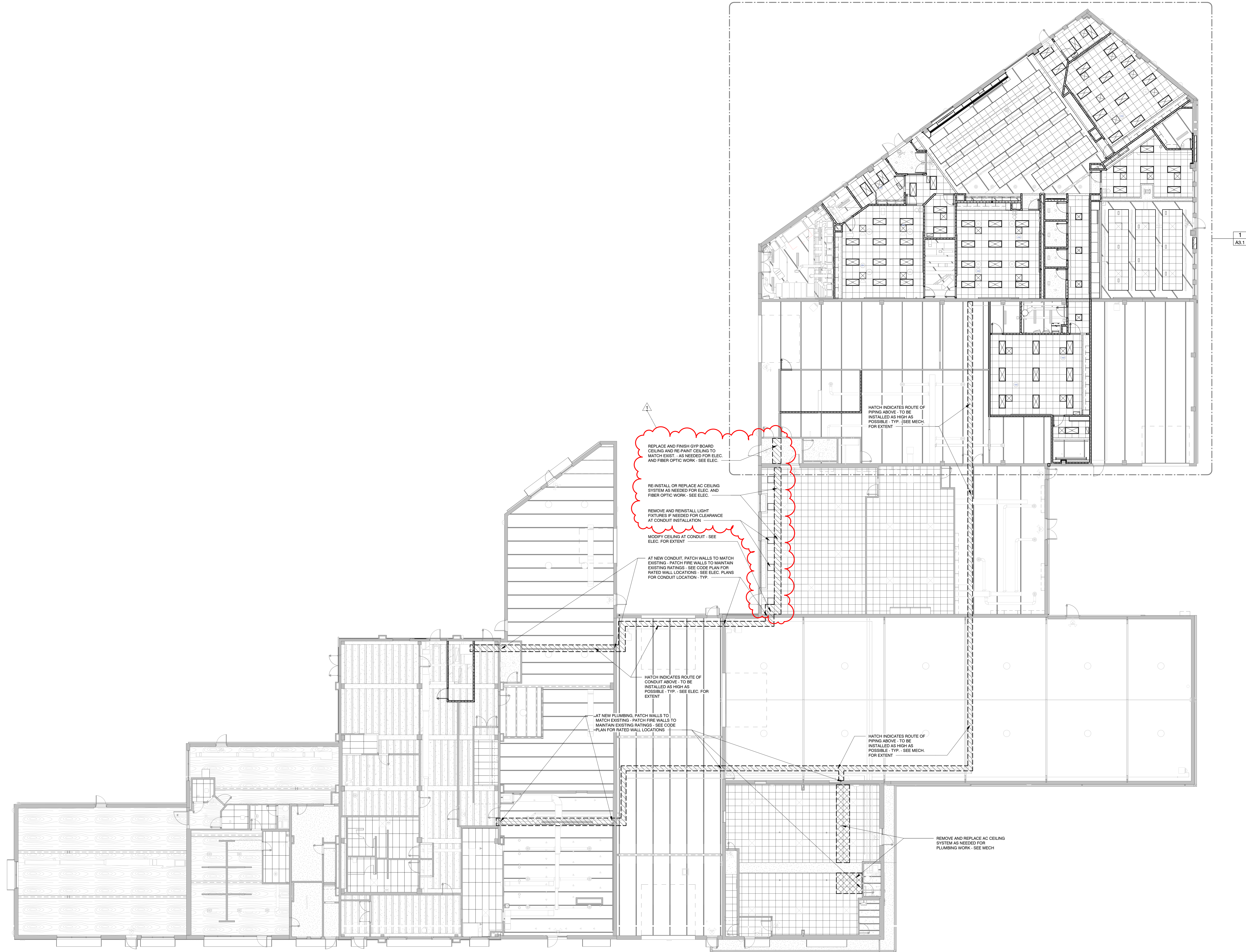
A1.2

FLOOR PLAN - KEYNOTE AND GAYOUT PLAN



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1 REFLECTED CEILING PLAN OVERALL PLAN
A3.0 3/32" = 1'-0"



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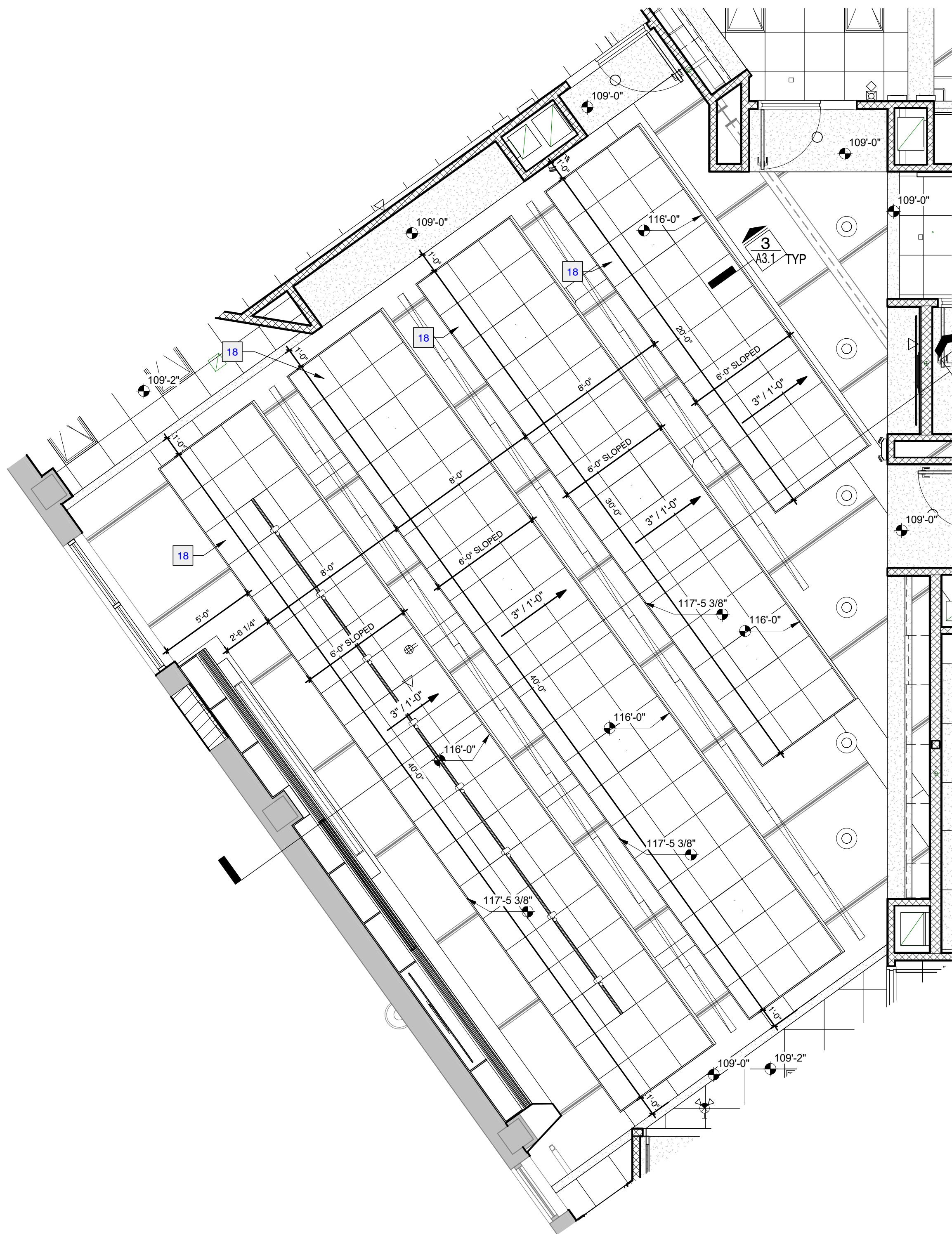
Project Number	23-007
Date	1/11/2024
Revisions	
#	Date
1	1-18-2023

A3.0
OVERALL CEILING PLAN

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6 ART CEILING CLOUDS

A3.1 1/4" = 1'-0"



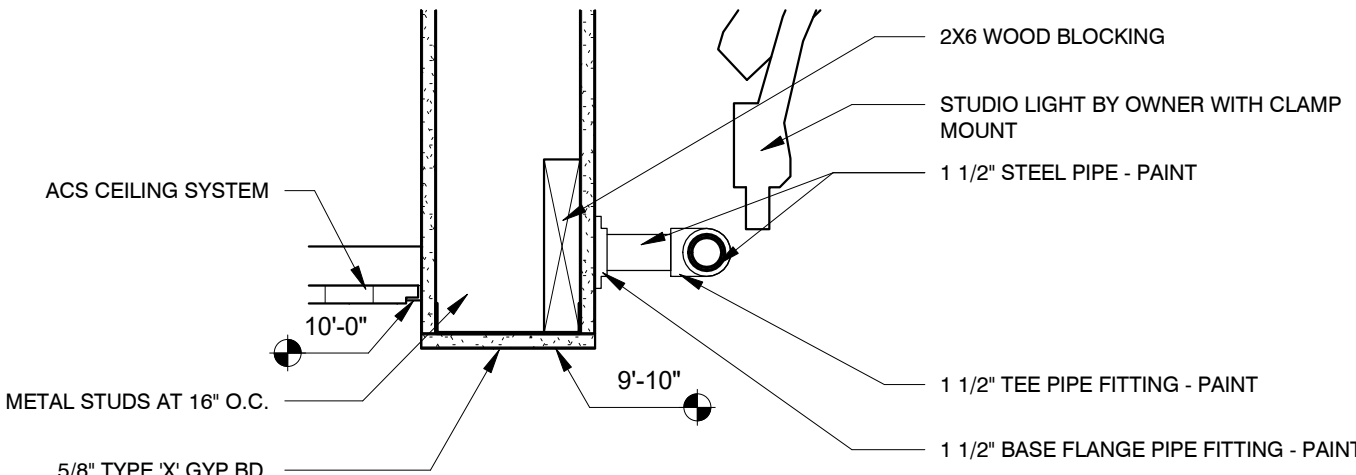
2 COMMONS CEILING CLOUDS

A3.1 1/4" = 1'-0"



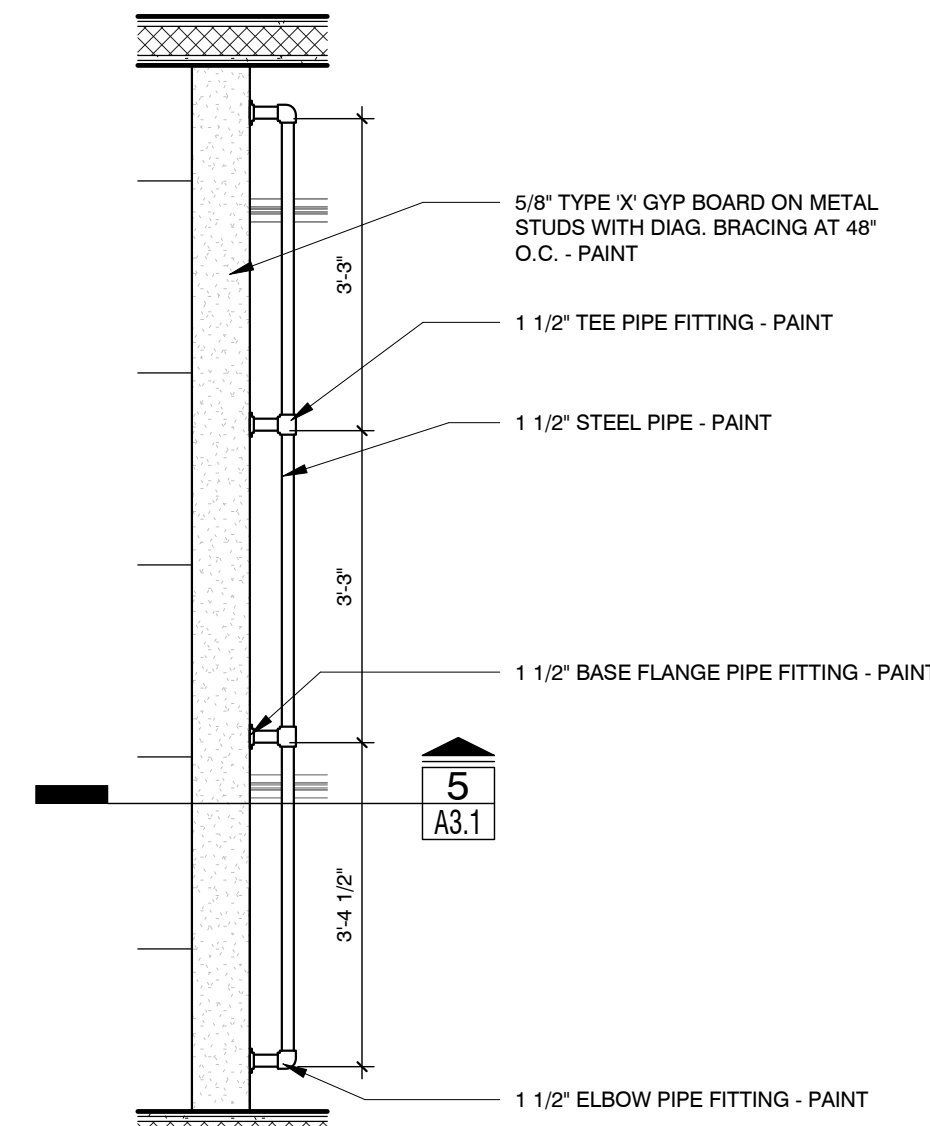
5 STUDIO LIGHT MOUNT

A3.1 1 1/2" = 1'-0"



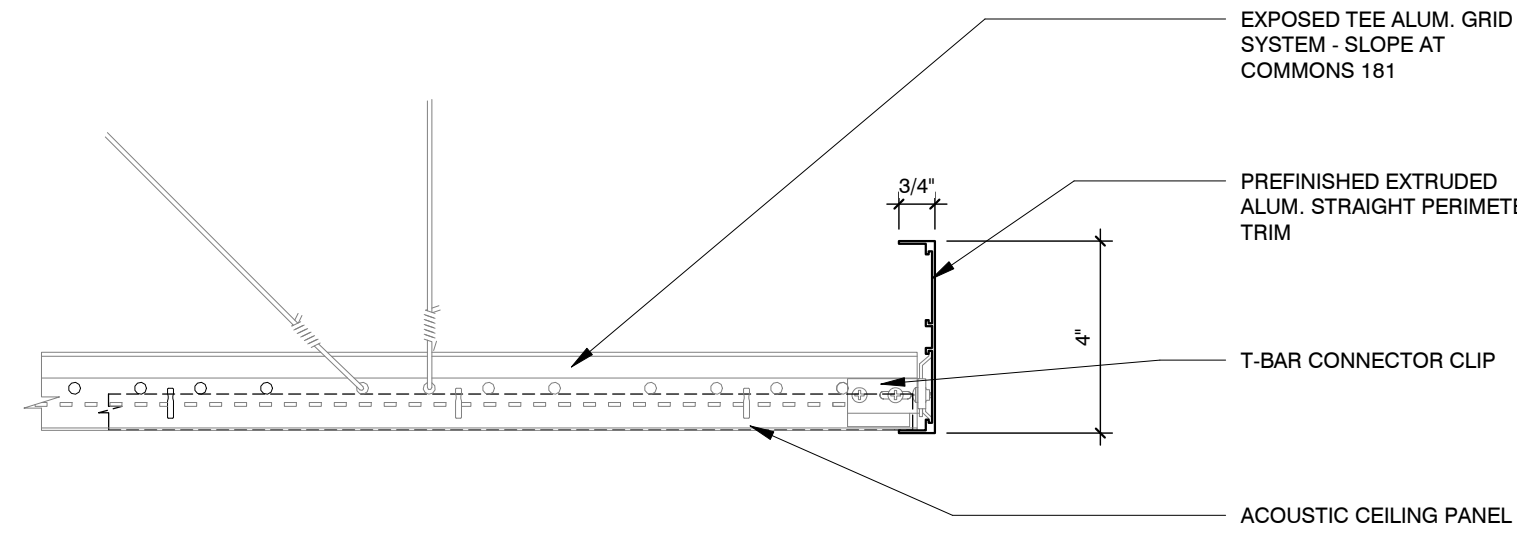
4 STUDIO LIGHT BAR

A3.1 1/2" = 1'-0"



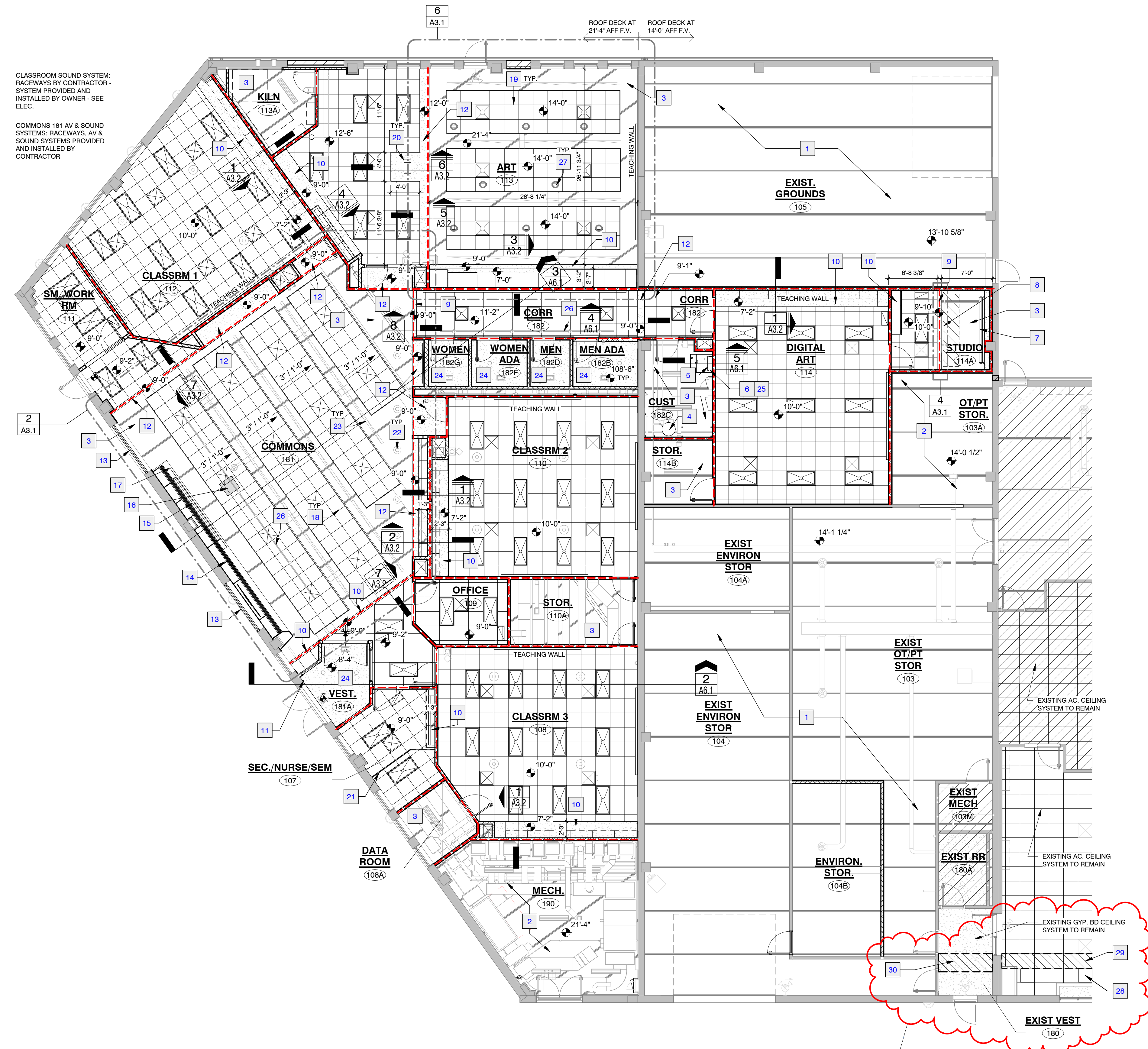
3 ACS CLOUD EDGE PROFILE

A3.1 3" = 1'-0"



1 REFLECTED CEILING PLAN

A3.1 1/8" = 1'-0"



REFLECTED CEILING LEGEND

- GWB SUSPENDED CEILING / SOFFIT
- 2x2 ACOUSTICAL TILE CEILING SYSTEM (ACS)
- LIGHT FIXTURES - REFER TO ELECTRICAL FOR ADDITIONAL ITEMS**
- 2x4 TROFFER - SEE ELECTRICAL
 - 1x4 TROFFER - SURFACE MOUNTED - SEE ELECTRICAL
 - RECESSED CAN LIGHT - SEE ELECTRICAL
 - EMERGENCY EXIT SIGN - SEE ELECTRICAL
 - EMERGENCY EXIT LIGHT - SEE ELECTRICAL
- HVAC - REFER TO MECH. FOR ADDITIONAL ITEMS**
- RETURN AIR GRILLE - SEE MECH.
 - SUPPLY DIFFUSER - SEE MECH.
 - EXHAUST FAN - SEE MECH.
 - WALLS & BULKHEADS THAT EXTEND UP TO ROOF DECK

SHEET KEYNOTES

- EXPOSED STRUCTURE - TYP.
- EXPOSED STRUCTURE - NO FINISH
- EXPOSED STRUCTURE - PAINT
- WATER HEATER HUNG ABOVE MOP SINK - SEE MECH
- 30" X 36" SINGLE LEAF ROOF ACCESS HATCH WITH TELESCOPING SAFETY POST AND SAFETY RAILING SYSTEM
- WALL MOUNTED STEEL LADDER - PRIME PAINTED - NO FIN. PAINT REQUIRED - 1" DIA. GALV. STEEL TUBE OR BAR RUNGS W/ ABRASIVE TOP SURFACE - WELDED AT 12" O.C. MAX. - BETWEEN 1-5/8" GALV. STEEL TUBE SIDE RAILS - DISTANCE BETWEEN SIDE RAILS TO BE 20" CLEAR
- BACKDROP BY OWNER - PROVIDE 2X WOOD BLOCKING IN BULKHEAD - VERIFY MOUNTING LOCATION WITH OWNER
- STUDIO LIGHTING BY OWNER - MOUNTED TO PIPE RAIL
- GYP. BD BULKHEAD - 5/8" TYPE 'X' GYP. BD. ON 6" METAL STUDS AT 16" O.C. WITH DIAGONAL BRACING 48" O.C. - PAINT
- GYP. BD BULKHEAD - 5/8" TYPE 'X' GYP. BD. ON 3/8" METAL STUDS AT 16" O.C. WITH DIAGONAL BRACING 48" O.C. - PAINT
- RELOCATE EXIST. CONDUIT TO ABOVE CEILING
- GYP. BD BULKHEAD - 5/8" TYPE 'X' GYP. BD. ON 3/8" METAL STUDS AT 16" O.C. - EXTEND UP TO ROOF DECK - WITH DIAGONAL BRACING 48" O.C. - PAINT
- ALUMINUM STOREFRONT WINDOW - GALV. STEEL LINTEL ABOVE - SEE STR. PATCH CARU, GYP. BD, PURRING AND INSUL. - PAINT CMU TO MATCH EXIST.
- WOOD LIBRARY WALL WITH ADJ. SHELVING AND INTEGRATED SLIDING MARKER BOARDS - SEE DETAILS
- MOTORIZED PROJECTION SCREEN MOUNTED IN BULKHEAD - 65"H x 104"W x 123" DIA. F.V. - BOTTOM OF SCREEN TO BE AT 86" AFF. - PROVIDED AND INSTALLED BY CONTRACTOR
- PROJECTOR - PROVIDED AND INSTALLED BY OWNER
- EYEBROW BULKHEAD AND COLUMN - 5/8" TYPE 'X' GYP. BD. ON METAL FRAMING - SEE DETAILS
- SLOPED ACS CEILING CLOUD WITH 4" TALL PREFINISHED EXTRUDED ALUM. PERIMETER TRIM AT EXPOSED EDGES - TYP.
- LEVEL ACS CEILING CLOUD WITH 4" TALL PREFINISHED EXTRUDED ALUM. PERIMETER TRIM AT EXPOSED EDGES - TYP.
- RETRACTABLE CORD REELS FOR POTTERY WHEELS - SEE ELEC. - MOUNT TO BULKHEAD
- CEILING HUNG PRIVACY CURTAIN AND CURTAIN TRACK - PC-1 - SEE INTERIOR DESIGN DRAWINGS
- PENDANT CAN LIGHT - SEE ELEC
- LINEAR PENDANT LIGHT - SEE ELEC
- 5/8" TYPE 'X' GYP. BD. CEILING ON METAL SUSPENSION SYSTEM - PAINT
- SECURE LADDER TO WALL W/ 3/8" x 3" - GALV. - STEEL PLATE L' SHAPED STAND-OFFS W/ 3/8" DIA. x 4" EMBED LAG BOLT ANCHORS
- TRACK LIGHTING - SEE ELEC.
- RETRACTABLE CORD REEL IS ABOVE STUDENT TABLE - SEE ELEC. - F.V. EACH CORD REEL LOCATION WITH OWNER & ARCH BEFORE INSTALLING MOUNT SYSTEM - MOUNT REELS THROUGH CENTER OF CEILING PAD TO UNISTRUT - EXTEND VERTICAL UNISTRUT TO ROOF JOISTS ABOVE AND INCLUDE DAG. UNISTRUT BRACING IN 2 DIRECTIONS OFF EACH VERTICAL REEL SUPPORT - TYP. AT 8 LOCATIONS
- REMOVE AND REINSTALL LIGHT FIXTURES IF NEEDED FOR CLEARANCE AT CONDUIT INSTALLATION
- REINSTALL OR REPLACE AC CEILING SYSTEM AS NEEDED FOR ELEC. AND FIBER OPTIC WORK - SEE ELEC.
- REPLACE AND FINISH GYP. BOARD CEILING AND RE-PAIN CEILING TO MATCH EXIST. - AS NEEDED FOR ELEC. AND FIBER OPTIC WORK - SEE ELEC.

ROOM FINISH SCHEDULE															
ROOM DESIGNATION		FLOOR	BASE	WALLS				CEILING	CASEWORK			WINDOW		NOTES	
NO.	ROOM NAME			NORTH ABOVE/BELOW	EAST ABOVE/BELOW	SOUTH ABOVE/BELOW	WEST ABOVE/BELOW		BASE	COUNTERTOP	UPPER	SILL	COVERING		
100	LPS OT/PT OFFICE	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	ACP-1						19	
101	LPS OT/PT CONF.	NOT IN PROJECT SCOPE													
102	LPS OT/PT WORK ROOM	NOT IN PROJECT SCOPE													
103	EXIST. OT/PT STOR.	EXIST	VB-1	P-2	EXIST	EXIST	EXIST	EXIST				N/A	N/A	14	
103A	OT/PT/STOR.	EXIST	VB-1	P-2	P-2	P-2	P-2	EXIST				N/A	N/A	11	
103M	EXIST. MECH.	NOT IN PROJECT SCOPE													
104	EXIST. ENVIRON. STOR.	WORK TO BE COMPLETED BY LPS													
104A	EXIST. ENVIRON. STOR.	EXIST	-	P-2	EXIST	EXIST	EXIST	EXIST				N/A	N/A		
104B	ENVIRON. STOR.	WORK TO BE COMPLETED BY LPS													
105	EXIST. GROUNDS	EXIST	VB-1	EXIST	EXIST	MATCH EXIST.	EXIST	EXIST				N/A	N/A	11	
107	SEC/NURSE/SEM	CPT-2	VB-1	P-3	P-3 CT-6A	P-3	P-3	ACP-1,P-4	REFER TO DWGS	PL-2	REFER TO DWGS	SS-1	EXIST	4,7,10,16	
108	CLASSROOM 3	CPT-2	VB-1	P-3	P-3	P-4	P-3	ACP-1,P-4	REFER TO DWGS	PL-1	REFER TO DWGS	N/A	N/A	4	
108A	DATA ROOM	CONC-2	VB-1	P-3	P-3	P-3	P-3	P-2A				SS-1	N/A	7,15	
109	OFFICE	CPT-2	VB-1	P-3	P-3	P-3	P-3	ACP-1				N/A	N/A		
110	CLASSROOM 2	CPT-3	VB-1	P-3	P-3	P-3	P-5	ACP-1,P-5	REFER TO DWGS	PL-1	REFER TO DWGS	N/A	N/A	4	
110A	STORAGE	CONC-2	VB-1	P-3	P-3	P-3	P-3	P-2A				N/A	N/A		
111	SM. WORK RM.	CPT-2	VB-1	P-3	P-3	P-3	P-3	ACP-1				SS-1	EXIST	7	
112	CLASSRM 1	CPT-4	VB-1	P-3	P-6	P-3	P-3	ACP-1,P-6	REFER TO DWGS	PL-1	REFER TO DWGS	SS-1	EXIST	4,7	
113	ART	CONC-1	VB-1	P-2 P-3	P-2 P-3	P-4	P-2 P-3, CT-6A	ACP-1,P-4, P-2A	REFER TO DWGS	PL-1	REFER TO DWGS	SS-1	EXIST	4,5,6,7,8,10	
113A	KILN	CONC-1	VB-1	P-2	P-2	P-2	P-2	P-2A				N/A	N/A		
114	DIGITAL ART	CONC-1	VB-1	P-6 CT-8A	P-3	P-3	P-3	ACP-1,P-6	REFER TO DWGS	PL-1	REFER TO DWGS	N/A	N/A	4,10	
114A	STUDIO	CONC-1	VB-1	P-3	P-3	P-3	P-3	ACP-1,P-2A,P-1A	REFER TO DWGS	PL-1	REFER TO DWGS	N/A	N/A	13	
114B	STOR.	CONC-2	VB-1	P-3	P-3	P-2	P-2	P-2B				N/A	N/A		
180	EXIST. VEST.	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	P-2B						20	
180A	EXIST. RR	NOT IN PROJECT SCOPE													
181	COMMONS	CONC-1	CT-2 & CT-3	P-4 P-2 CT-3	P-4 P-2 CT-3,CT-2*,P-5	P-4 P-2 CT-3	P-4 P-2 CT-2, P-6	ACP-1,P-2A	REFER TO DWGS	PL-2	REFER TO DWGS	CT-2	WT-2,WT-3	1,2,4,5,10	
181A	VESTIBULE	CPT-1	CT-3	P-2 CT-3	P-2 CT-3	P-2 CT-3	P-2 CT-3	ACP-1		PL-2		N/A	N/A		
182	CORR.	CONC-1	CT-3	P-2 CT-3	P-2 CT-3	P-2 CT-3	P-2 CT-3	ACP-1,P-2A				N/A	N/A		
182B	MEN ADA	CT-1	CT-4*	CT-4	CT-4	5A,5B,5C,5D	CT-4	P-2B				N/A	N/A	9,*	
182C	CUST.	CONC-2	-	P-2 FRP-1	P-2 FRP-1	P-2 FRP-1	P-2	P-2A				N/A	N/A	17	
182D	MEN	CT-1	CT-4*	CT-4	CT-4	CT-4A,4B,4C,4D,CT-7A,7B,7C,7D	CT-4	P-2B				N/A	N/A	9,*	
182F	WOMEN ADA	CT-1	CT-4*	CT-4	CT-4	6A,6B,6C,6D	CT-4	P-2B				N/A	N/A	9,*	
182G	WOMEN	CT-1	CT-4*	CT-4	CT-4	8A,8B,8C,8D	CT-4	P-2B				N/A	N/A	9,*	
183	STAIR	EX. CARPET TO PATCH	PAINTED WOOD TO MATCH	EXIST	EXIST	MATCH EXISTING	EXIST	EXIST				N/A	N/A	3,18	
184	CORRIDOR	EX. CARPET TO PATCH	EXIST NEW VB TO MATCH	MATCH EXISTING	EXIST	EXIST	MATCH EXISTING	EXIST				N/A	N/A	3,18	
184M	ELECTRICAL ROOM	CONC-2	VB-1	P-2	P-2	P-2	P-2	EXIST				N/A	N/A		
190	MECHANICAL	CONC-2	-	P-2 FRP-1	P-2 FRP-1	P-2 FRP-1	P-2 FRP-1	EXIST				N/A	N/A	12	
ROOM SPECIFIC NOTES:															
1	PAINT GYP. "EYEBROW" ALONG WEST WALL WITH P-6 IN ITS ENTIRETY. PAINT BULKHEAD ABOVE CABINETRY ALONG EAST WALL WITH P-5 IN ITS ENTIRETY.														
2	PAINT WALLS FROM TOP OF TILE TO 9'-0" WITH P-2. PAINT FROM CONTROL JT. @ 9'-0" TO B.O. STRUCTURE WITH P-4.														
3	PAINT NEW WALL TO MATCH EXISTING. VERIFY COLOR WITH LPS.														
4	PAINT ALL SIDES OF SOFFIT AND BULKHEAD WITH ACCENT COLOR.														
5	PAINT EXISTING STRUCTURE, DECK, ALL ELECTRICAL AND MECHANICAL WITH P-2A.														
6	PAINT BULKHEAD IN CENTER OF ROOM WITH P-2B, PAINT EXPOSED STRUCTURE WITH P-2A. PAINT BULKHEAD ABOVE CABINET WITH P-3.														
7	EXISTING WINDOW TREATMENTS TO REMAIN.														
8	PAINT P-2 ABOVE 9'-0" CONTROL JOINT AND P-3 BELOW.														
9	REFER TO INTERIOR DRAWINGS FOR RESTROOM WALL TILE PATTERN AND RFS FOR WALL TILE COLOR.														
10	REFER TO INTERIOR DRAWINGS FOR TILE PATTERN AND LOCATION AT BACKSPLASH.														
11	INSTALL VINYL WALL BASE ALONG NEW WALL ONLY.														
12	INSTALL FIBERGLASS REINFORCED PANELS (FRP-1) ALONG ENTIRE WALL TO 8'-0" AFF. CAULK INTERIOR CORNERS AND INSTALL MANUFACTURER'S CAP AT TOP. CAULK BASE OF PANEL AT FLOOR. NO VINYL BASE REQUIRED.														
13	PAINT BULKHEAD ABOVE CABINETS WITH P-3. PAINT EXPOSED STRUCTURE, MECHANICAL AND ELECTRICAL WITH P-1A.														
14	INSTALL NEW VINYL WALL BASE AND PAINT ALONG NORTH WALL ONLY.														
*	REFER TO DRAWINGS FOR ALL ACCENT FINISHES AS THEY ARE NOT ALL NOTED ON THIS LINE.														
15	INSTALL FROSTED VINYL AT INTERIOR SIDE OF ALL WINDOWS.														
16	INSTALL CEILING MOUNTED TRACK AND CUBICLE CURTAIN. REFER TO REFLECTED CEILING PLAN FOR SPECIFIC LOCATION.														
17	INSTALL FIBERGLASS REINFORCED PANELS (FRP-1) ALONG ENTIRE WALL TO 4'-0" AFF. CAULK INTERIOR CORNERS AND INSTALL MANUFACTURER'S CAP AT TOP. CAULK BASE OF PANEL AT FLOOR. NO VINYL BASE REQUIRED.														
18	AFTER CONSTRUCTION OF NEW ELECTRIC ROOM, CONTRACTOR REQUIRED TO PATCH EXISTING CARPET AND INSTALL NEW BASE TO MATCH EXISTING TYPE AND COLOR AT NEW WALLS AND WHERE DISTURBED DURING CONSTRUCTION.														
19	REPLACE SUSPENDED CEILING GRID AND PANELS AT ELECTRICAL WORK.														
20	REPLACE GYP. BOARD CEILING AT ELECTRICAL WORK AND RE-PAINT ENTIRE CEILING WITH P-2B.														
GENERAL NOTES:															
A.	PAINT ALL WALL AND CEILING GRILLS WITH THE COLOR OF PAINT THEY FALL WITHIN.														
B.	REFER TO FINISH PLAN 3 A11.1 FOR EXACT LOCATION OF ACCENT PAINT AND TILE. THIS PLAN TAKES PRECEDENCE OVER RFS.														
C.	CONTRACTOR TO SCHEDULE A WALK-THROUGH WITH PAINTER AND i.e.Design PRIOR TO BEGINNING ANY PAINTING. PLEASE ALLOW 48 HOURS ADVANCED NOTICE FOR THIS SITE MEETING. NOTIFY JILL @ i.e.Design 402.770.0738.														
D.	REFER TO MATERIAL LIST FOR SPECIFICATION OF SPECIFIC MATERIALS.														
E.	PREPARE ALL GYPSUM BOARD WALLS AND SOFFITS SCHEDULED TO RECEIVE PAINT TO A NO. 4 FINISH.														
F.	ALL SOFFITS, HEADERS AND BULKHEADS SHOULD BE PAINTED IN THEIR ENTIRETY WITH THE PAINT COLOR OF THE WALL THEY ADJOIN UNLESS NOTED OTHERWISE.														
G.	TERMINATE ALL PAINT COLOR CHANGES AT INSIDE CORNERS ONLY UNLESS NOTED OTHERWISE.														
H.	ALL INTERIOR ELECTRIC DEVICES TO BE GRAY WITH STAINLESS STEEL COVERS.														
LEGEND:															
CPT	CARPET														
CT	CERAMIC OR PORCELAIN TILE														
GYP	GYPSUM WALLBOARD														
P	PAINT														
FRP	FIBERGLASS REINFORCED PANEL														
VB	VINYL WALL BASE														
TR	VINYL FLOOR TRANSITION														
MTR	METAL FLOOR OR WALL (TILE) TRANSITION														
WD	WOOD														
ACP	ACOUSTICAL CEILING PANEL														
CG	CORNER GUARD														
AP	TACKABLE ACOUSTIC PANEL														
SS	SOLID SURFACE														



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LINCOLN PUBLIC SCHOOLS
ARTS & HUMANITIES FOCUS PROGRAM
BOTTLENS BUILDING
LINCOLN, NE

Project Number
23-007
Date
1/11/2024
Revisions
1 Date 1/19/2024

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A11.4

INTERIOR
ROOM FINISH SCHEDULE

ADDENDUM



Date: 01-19-2024

Project: LPS Arts & Humanities Focus
Program – Bottlers Building

To: David Stirtz
Architectural Design Associates

Project No.: 23042

Addendum No.: 1

CC:

This addendum is issued by the Architect/Engineer to all known bidders before receipt of proposals. Bidders shall acknowledge the receipt of this Addendum on their bid form and all information and instructions given herein shall become a part of the Contract Documents.

CHANGES TO PROJECT DRAWINGS

All work shall be in accordance with the terms, stipulations, and conditions of the original contract.

Mechanical

1. P2.1 - FIRE PROTECTION PLANS & DETAILS

- A. OVERALL FIRE PROTECTION PLAN
 - Studio 114A; Added Keynote #9 to paint exposed piping in room
 - Art 113 & Studio 114A; Revised Sprinkler Head hatch pattern in rooms to distinguish between exposed ceiling and lay-in ceiling areas of room. Refer to A3.1 for more information on ceiling types.
- B. FIRE SPRINKLER PIPE MATERIAL AND INSULATION SCHEDULE
 - Pipe Material and Insulation General Notes; Remove first bullet point "Domestic Water Insulation Requirements" and sub-notes A, B & C.
- C. D6 – FIRE DEPARTMENT CONNECTION DETAIL
 - Remove manhole and drum drip drain. FDC piping to be sloped back towards ball drip drain located at fire service entrance in basement.
- D. D8 – PIPE BOLLARD DETAIL
 - Bollard to galvanized steel.

2. P3.1 – PLUMBING SCHEDULES & DETAILS

- A. D1 – FAUCET/HOSE BIBB DETAIL
 - Added ½" RPZ Backflow Preventer in piping to Hose Bibb, install at easily accessible location.

3. M1.1 – ARTS & HUMANITIES HVAC PLANS

- A. KEYNOTES
 - #11, revise to read; ONE COMPLETE BLOWER COIL "MOCK-UP" INCLUDING MECHANICAL AND ELECTRICAL CONNECTIONS SHALL BE INSTALLED AND APPROVED BY OWNER, ARCH & ENGINEER PRIOR TO STARTING WORK ON OTHER BLOWER COILS".

4. M1.2 – MISC. HVAC PLANS AND SECTIONS

- A. D7 – SECTION @ HEAT PUMPS
 - Added minimum dimension (10'-0") between roof edge and Wall Hydrant (WH-1).
 - Added note that Refrigerant piping to be installed min. 10" above roof and 2" above roof edge flashing (whichever is greater).
- B. ROOF PLAN – MECHANICAL
 - Added minimum dimension (10'-0") between roof edge and Wall Hydrant (WH-1).

- Added Keynote #5 to Refrigerant piping - ALL REFRIGERANT PIPING MUST BE INSTALLED 10" ABOVE ROOF AND MIN. 2" ABOVE ROOF EDGE FLASHING - WHICHEVER IS HIGHER. INSTALL STACKED ALONG WALL OR HUNG BELOW EQUIPMENT RACKS AS REQUIRED TO MEET MIN. CLEARANCES.

5. M2.1 – HVAC DETAILS

- A. D8 – KILN VENTILATION DETAIL
 - Added minimum dimension (5'-0" AFF) for mounting height of kiln ventilation blower motor.
- B. D10 – OUTDOOR UNIT SUPPORT FRAME DETAIL
 - Revised wording of support frame mounting height to read "MIN. 12" ABOVE ROOF – COORDINATE EXACT HEIGHT WITH REFRIGERANT PIPING BELOW TO MEET MIN. PIPING CLEARANCES ABOVE ROOF EDGE/FLASHING (SEE 7/M2.1)."

6. M3.1 – HVAC SCHEDULES

- A. BLOWER COIL SCHEDULE
 - Add note 9 to all units.
- B. AIR SOURCE HEAT PUMP SCHEDULE
 - Add note 11 to all units.
- C. BLOWER COIL & HEAT PUMP UNIT SCHEDULE NOTES
 - Revise note #9 to read "UNIT SHALL BE PROVIDED WITH AND INSTALLED ON STEEL SUPPORT STAND. SEE DETAIL 11 ON SHEET M2.1."
 - Add note #11 to read "UNIT SHALL BE PROVIDED WITH AND INSTALLED ON STEEL SUPPORT STAND. SEE DETAIL 10 ON SHEET M2.1."
- D. AIR HANDLING UNIT SCHEDULE
 - Revise notes to apply to AHU-1 as "1,2,3,4,5,6,7".
- E. TYPICAL BLOWER COIL/HEAT PUMP SCHEMATIC
 - Room temperature sensor by control contractor for monitoring purposed to be stainless steel plate.

Electrical

1. E0.0 – ELECTRICAL GENERAL PROJECT NOTES & SYMBOLS

- A. ELECTRICAL GENERAL NOTES
 - Added 'Concealed raceways are required except where surface mounted raceways are shown' to Demolition General Notes F and H.
 - Changed Power/Special System General Note B. Security system, all respective devices, cabling, equipment, & raceways are by contractor.

2. ED2.1 – ARTS & HUMANITIES SCHOOL, OT/PT, CONFERENCE & STORAGE DEMO POWER

- B. ARTS & HUMANITIES SCHOOL DEMOLITION - POWER
 - Marked door operator at entrance door to be removed, salvaged, and reinstalled.
 - Added 'Data rack relocation is to occur during nonworking hours' to data rack note.

3. E1.0 – OVERALL BUILDING NEW – ELEC. EQUIPMENT PLANS – LOWER & MAIN LEVELS

- C. OVERALL MAIN FLOOR PLAN – ELECTRICAL NEW
 - Added 'Contractor to reconnect existing data lines serving OT/PT office area'.

4. E2.1 – ARTS & HUMANITIES SCHOOL, OT/PT, CONFERENCE & STORAGE POWER

D. ARTS & HUMANITIES SCHOOL - POWER

- Added (2) total door operator pushbuttons to interior of vestibule 181A to serve each set of doors.
- Moved disconnect for DWH-1 as close as possible to panel AH1.

E. ENLARGED A&H MECH ROOM - POWER

- Rough-in for future card reader at mech room was already shown on main plan. Moved to enlarged mech room plan for clarity.

F. KEY NOTES

- Added 'surface mounted' to keynote 7 for wiremold.
- Added '...vestibule doors will close and lock upon power failure...' to keynote 11 for lockdown button.
- Revised keynote 25 for clarity. Provide new devices and cover plates within existing j-boxes and reconnect existing wiring.

5. E5.2 – A/V SCHEMATIC

G. Functional Performance Specification

- Modified 'Desired Functional A/V Scope' to be more specific to this building.

By: Mike Wilkinson, Noel Murphy	Date: 01/19/2024

MECHANICAL SCHEDULES

FIRE SPRINKLER PIPE MATERIAL AND INSULATION

PROVIDE SPECIFIED OR APPROVED EQUAL

PIPE	PIPE SIZE	RELATION TO GRADE	MATERIAL	FITTING TYPE	MIN. SLOPE	VALVES	COMPLY WITH	PIPING INSULATION			DENSITY (LBS/FT ³)	% VALUE ¹		NOTES
								INSULATION TYPE	INSULATION MATERIAL	INSULATION THICKNESS		MIN.	AT TEMP	
FIRE SPRINKLER SERVICE	3"-UP	BELOW	DUCTILE IRON	GROOVED OR MECHANICAL FLANGED	-	NONE EXCEPT PIV	ANSI/AWWA C91	-	-	-	-	-	-	2.3
FIRE SPRINKLER SERVICE	3"-UP	ABOVE	DUCTILE IRON	FLANGED	-	NONE EXCEPT PIV	ANSI/AWWA C91	-	-	-	-	-	-	-
WET FIRE SPRINKLER	1"-2"	ABOVE	SCHEDULE 40 BLACK STEEL	THREADED	-	BALL, BUTTERFLY	ASTM A 105	-	-	-	-	-	-	13.4
WET FIRE SPRINKLER	2-1/2"-UP	ABOVE	SCHEDULE 40 BLACK STEEL	WETALIC COUPLING	-	BALL, BUTTERFLY	ASTM A 195	-	-	-	-	-	-	13.4
WET FIRE SPRINKLER	1"-3"	ABOVE	LISTED CPVC	ASTM F433 & F439 SOCKET/SPIGOT	-	BALL, BUTTERFLY	ASTM F-442	-	-	-	-	-	-	4

PIPE MATERIAL AND INSULATION GENERAL NOTES

INSTALL ALL PIPING ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
ALL PIPING SHALL BE TESTED, CLEANED AND CERTIFIED FOR INTENDED USE. ALL PIPING SYSTEMS SHALL BE PRESSURE TESTED WITH 1-1/2 TIMES THE OPERATING PRESSURE FOR NO LESS THAN 4 HOURS. PIPING TO BE CLEANED AND FLUSHED WITH CRITICAL CONTROL VALVES BYPASSED.
ALL FITTINGS CONNECTING TO DI-ELECTRIC FITTINGS SHALL BE SOFT SOLDERED TO THE PIPING. NO DI-ELECTRIC UNIONS SHALL BE USED.
ALL WELDED PIPE AND FUSION WELDED SHALL BE WELDED BY A CERTIFIED WELDER/FUSION CONTRACTOR. ALL WELDING SHALL BE DONE BY A CERTIFIED WELDER (CERTIFICATED MUST BE SUBMITTED) AND ALL WORK SHALL BE STAMPED. BOLTED FLANGES SHALL BE INSTALLED ON 2" AND LARGER PIPE TO SECTIONALIZE SYSTEM INTO WORKABLE SECTIONS. INSULATION SHALL GO AROUND FLANGES.

VALVE SCHEDULE

CALIBRATED BALANCE VALVES: SHALL BE A BRONZE OR BRASS BALL VALVE WITH A SET SCREW STOP.
BALL VALVE: SHALL BE NSF RATED FOR POTABLE WATER, BRASS OR BRONZE BODY WITH CHROME PLATED BRONZE BALL.
BUTTERFLY VALVE: SHALL BE CAST IRON BODY WITH FLANGED ENDS, WAFFER STYLE VALVES ARE NOT ALLOWED.
GATE VALVE: SHALL BE A BRONZE OR CAST IRON BODY WITH A RISING STEM AND SOLID BRONZE WEDGE.
GLOBE VALVE: SHALL BE A BRONZE OR CAST IRON BODY WITH A BRONZE DISC.
ALL VALVES SHALL BE INSTALLED WITH FULL STEM MOVEMENT.

PIPE MATERIAL AND INSULATION SCHEDULE NOTES

- NO INSULATION IS REQUIRED UNLESS PIPING IS A PLASTIC MATERIAL NOT MEETING 25 / 50 FLAME AND SMOKE RATING IN A RETURN AIR PLENUM.
- SCHEDULE 80 CPVC PIPING WITH SOLVENT WELDED FITTINGS IS AN ACCEPTABLE ALTERNATIVE ONLY IF ALLOWED BY LOCAL CODES. CPVC PIPING MAY NOT BE USED IN ANY MECHANICAL, ELECTRICAL, JANITORIAL ROOM WHERE 210" HEADS ARE SPECIFIED OR AREAS/ROOMS WITHOUT CEILINGS. INSTALL INSULATION ON PIPING IN A CEILING PLENUM RETURN ACCORDING TO REQUIREMENTS OF LOCAL JURISDICTION - 1 HOUR FIRE WRAP SHALL BE USED UNLESS LOCAL JURISDICTION ALLOWS ALTERNATIVE PRODUCTS.
- ALL BRANCH OUTLETS SHALL BE WELDED TO MAIN PIPING BY A CERTIFIED WELDER. ALL WELDING SHALL BE DONE BY A CERTIFIED WELDER AND ALL WORK SHALL BE STAMPED.
- CPVC - LISTED PIPING WITH SOLVENT WELDED FITTING IS AN ACCEPTABLE ALTERNATIVE ONLY IF ALLOWED BY LOCAL CODES. CPVC PIPING MAY NOT BE USED IN ANY MECHANICAL, ELECTRICAL, JANITORIAL ROOM OR AREAS/ROOMS WITHOUT CEILINGS. INSTALL PIPING ACCORDING TO NFPA 13 & MANUFACTURER. SEE: SPECIFICATIONS FOR FURTHER INFORMATION.

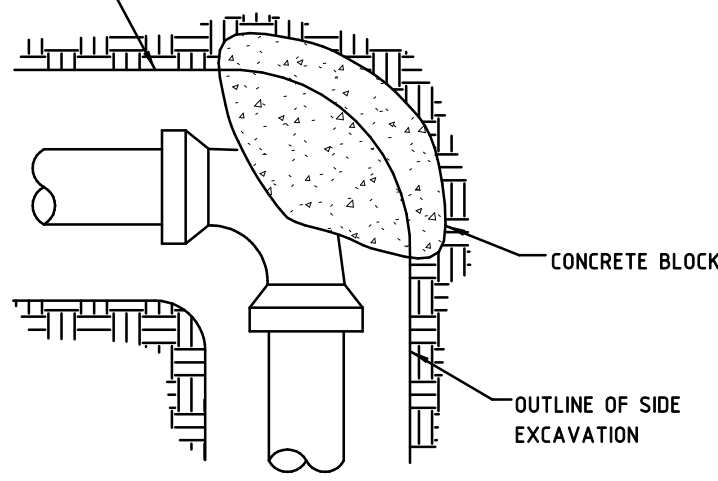
SPRINKLER HEAD LEGEND

AREA PATTERN	AREA DESCRIPTION	SET TEMP °F	TYPE	SPRINKLER HEADS	FINISH	WET/DRY	SYSTEM PIPING	LOCATION	WET/DRY	NOTES
	MECHANICAL SPACE	155°	PENDANT WITH PROTECTIVE CAGE	BRASS	WET	CONDITIONED, EXPOSED	WET			-
	OCCUPIABLE CONDITIONED AREA (CEILING)	155°	CONCEALED	PAINTED WHITE	WET	CONDITIONED, CONCEALED	WET			-
	OCCUPIABLE CONDITIONED AREA (NO CEILING)	155°	UPRIGHT	PAINTED BLACK	WET	EXPOSED, CONCEALED	WET			1.2

SPRINKLER HEAD LEGEND NOTES

- COLOR TO BE BY INTERIOR DESIGNER.
- EXPOSED PIPING TO BE PAINTED BY GENERAL CONTRACTOR.

ALL BEARING SURFACES SHALL BE AGAINST UNDISTURBED GROUND (TYP.).



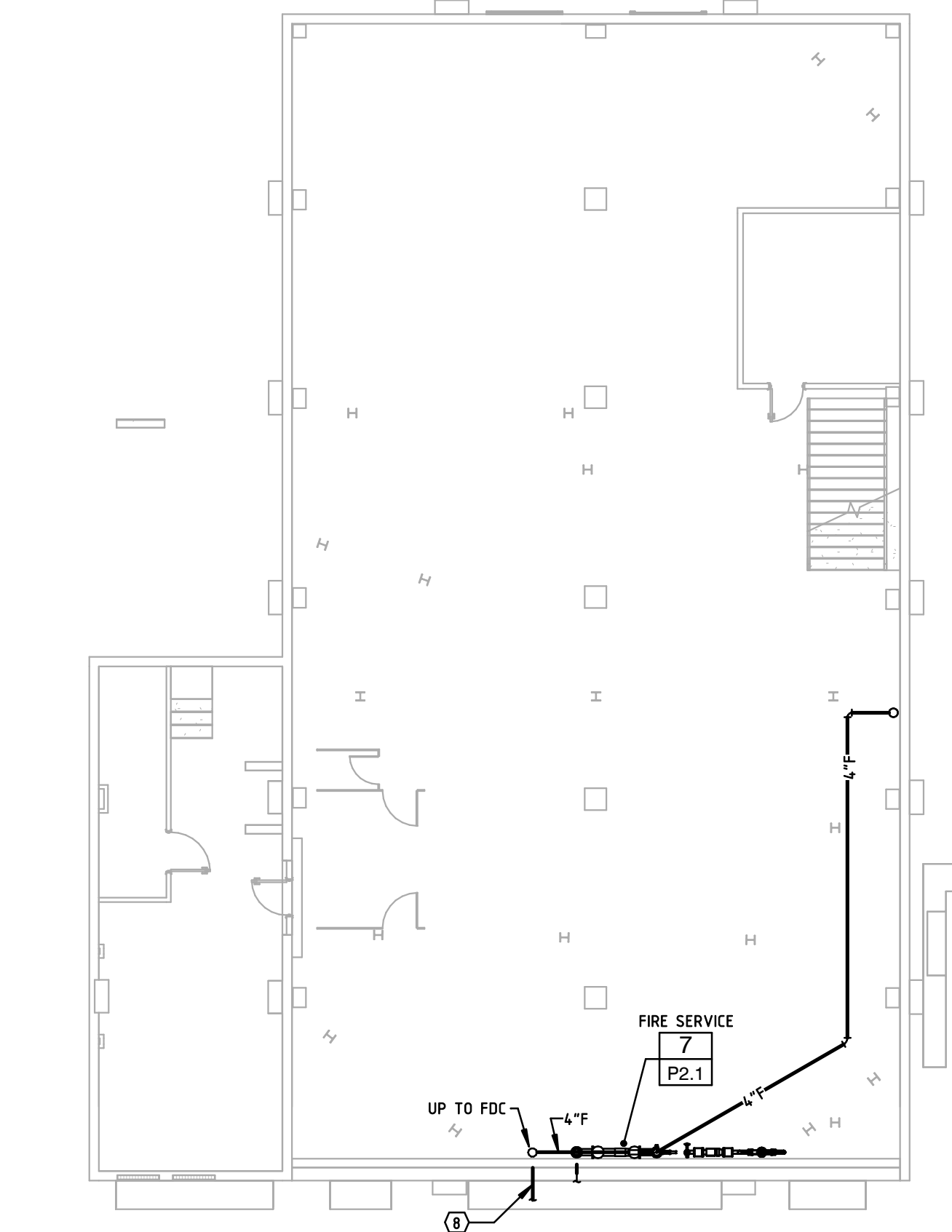
THRUST BLOCKING

PIPE SIZE	BEARING AREA OF BLOCK SQ. FT.				
	TEE & END	90° BEND	45° BEND	22.5° BEND	11.25° BEND
4	4.9	6.9	3.8	1.9	1.0
6	8.4	11.8	6.4	3.3	1.8

THRUST BLOCKING NOTES
1. THRUST BLOCK BEARING AREA IS THE AREA THAT IS AGAINST UNDISTURBED EARTH.
2. THRUST BLOCK MUST ENCASE AT LEAST 50% OF THE DIAMETER OF THE PIPE.
3. THRUST BLOCKS MUST NOT RESTRICT MECHANICAL JOINT BOLT REMOVAL OR BE EXTENDED PAST BELL FITTING.
4. THRUST BLOCK AREAS ARE BASED ON A SOIL BEARING PRESSURE OF 2000 PSF AND A DESIGN PRESSURE OF 250 PSI.

3 TRUST BLOCK DETAIL

P2.1 NTS



2 BASEMENT - FIRE PROTECTION PLAN

P2.1 3/32" = 1'-0"

DETAIL NOTES

GENERAL NOTES

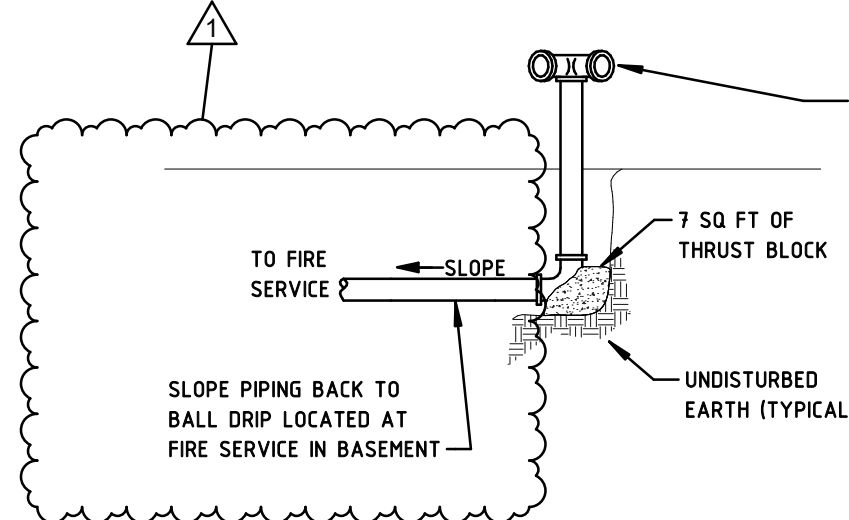
- ALL PIPING FITTINGS AND BENDS MUST BE RESTRAINED AGAINST MOVEMENT. PIPE CLAMPS, TIE RODS AND THRUST BLOCKS ARE APPROVED RESTRAINTS. PUMPS SHALL BE INSTALLED LEVEL AND ALIGNED PER FACTORY RECOMMENDATIONS.
- FIRE SERVICE ENTRANCE PIPING MUST BE FLUSHED AND TESTED PER NFPA 24 STANDARDS BY OTHERS. FIRE PUMP MUST BE FLUSHED, INSTALLED AND TESTED PER NFPA 20, 24 AND ALL AUTHORITIES HAVING JURISDICTION. ALL REQUIRED INSPECTIONS SHOULD BE COMPLETED BEFORE BACKFILL.
- ALL PIPING, FITTINGS AND ACCESSORIES SHALL BE GROOVED CONSTRUCTION. ALL VALVES EXCEPT DRAINS AND TEST VALVES SHALL BE SUPERVISED BY THE ALARM PANEL. ALL VALVES TO BE LABELED.
- LOCATION OF FIRE DEPARTMENT CONNECTION AND PIV SHALL BE COORDINATED WITH ALL AUTHORITIES HAVING JURISDICTION.

KEY NOTES

- EXTEND FULL SIZE PIPE TO 2-1/2" X 2-1/2" X 4" FIRE DEPARTMENT CONNECTION. VERIFY HOSE THREADS WITH LOCAL AUTHORITY PROVIDE METAL SIGN WITH MINIMUM 1" RAISED LETTERS PER CODE AT CONNECTION READING WHAT IT SERVES.
- NEW DOUBLE CHECK BACKFLOW PREVENTER. VERIFY WITH LOCAL CODES EXACT REQUIREMENTS FOR INSTALLATION. BACKFLOW PREVENTER CAN BE INSTALLED IN VERTICAL POSITION IF ALLOWED BY LOCAL CODE.

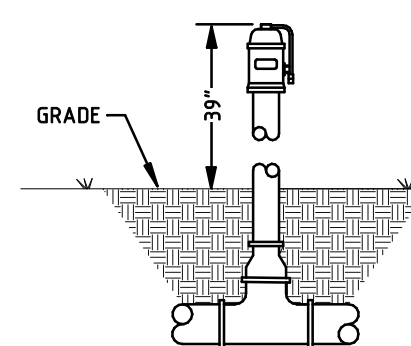
7 NFPA 13 FIRE SERVICE ENTRANCE DETAIL

P2.1 NTS



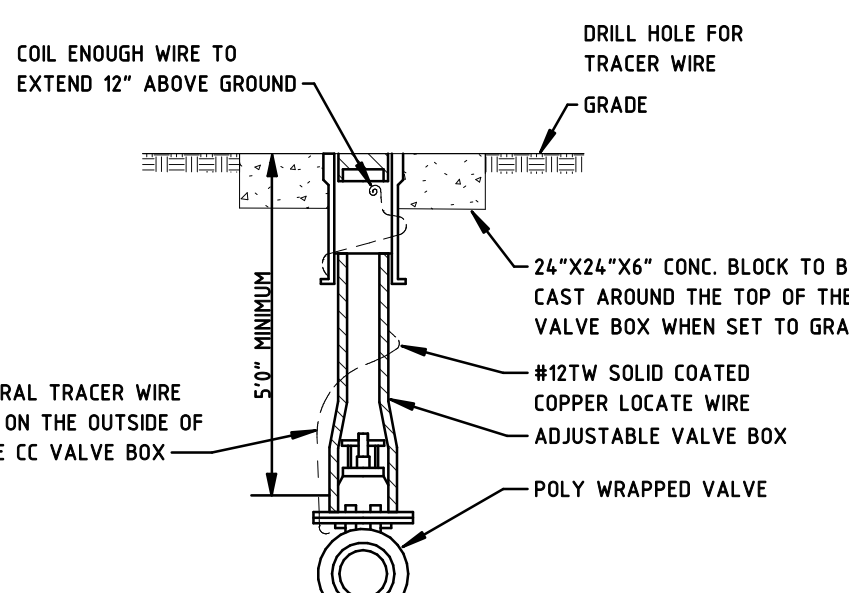
6 FIRE DEPARTMENT CONNECTION DETAIL

P2.1 NTS



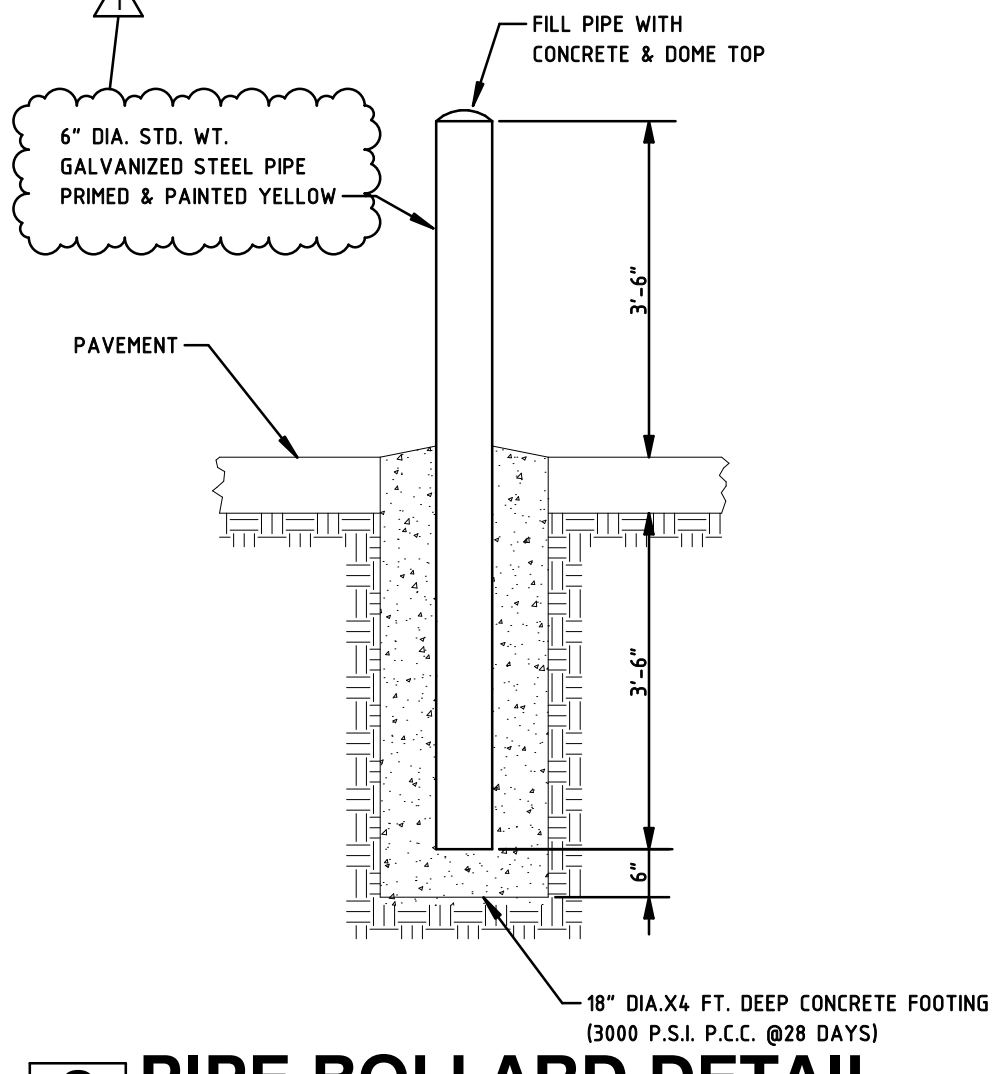
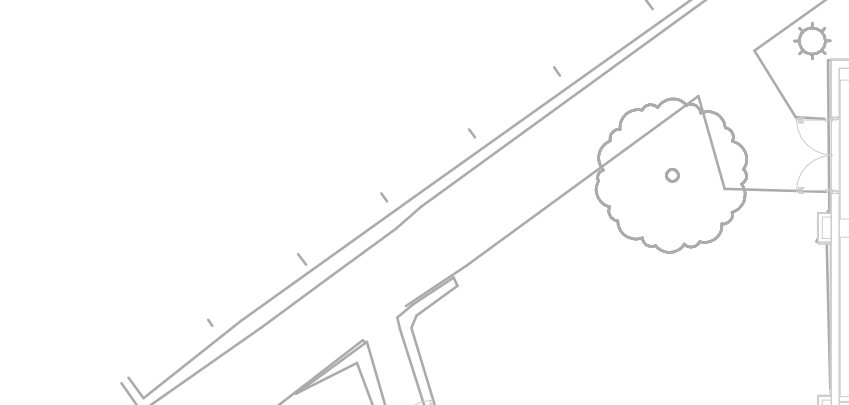
5 POST INDICATOR VALVE DETAIL

P2.1 NTS



4 VALVE BOX DETAIL

P2.1 NTS



8 PIPE BOLLARD DETAIL

P2.1 NTS



KEY NOTES

SYMBOL = ①

- SEE "BASEMENT - FIRE PROTECTION PLAN" ON THIS SHEET FOR CONTINUATION.
- EXTEND PIPING VERTICALLY AS TIGHT AS POSSIBLE. PIPE PENETRATIONS TO AVOID EXISTING CONCRETE BEAMS, JOISTS AND METAL REINFORCEMENT. LOCATE PRIOR TO DRILLING.
- ROUTE PIPING AS HIGH AS POSSIBLE THROUGH AREAS WITHOUT CEILING, COORDINATE EXACT LOCATION AND ROUTING WITH EXISTING CONDITIONS.
- CONTRACTOR TO EXTEND NEW FIRE SERVICE TO CITY WATER MAIN AND TAP MAIN PER CITY REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR ALL DRILLING, TRENCHING AND CONCRETE REMOVAL REQUIRED FOR THE COMPLETE INSTALLATION. CONTRACTOR SHALL BACKFILL ALL TRENCH HOLES AND COMPACT SOIL TO RETURN SITE TO ORIGINAL CONDITIONS BY REPLACING ANY CONCRETE AND LANDSCAPING DISTURBED BY THE CONSTRUCTION PROCESS. CONTRACTOR IS RESPONSIBLE FOR LOCATING UTILITIES IN AREA OF WORK AND CALLING DIGGERS HOT LINE.
- PROVIDE ALUMINUM OR PLASTIC SIGN IDENTIFYING THE FIRE DEPARTMENT CONNECTION (FDC) SIGN SHALL BE AFFIXED TO THE BUILDING OR FDC BY DURABLE, WEATHER PROOF CHAIN ENSURE FDC IS CLEAR OF ALL OBSTRUCTIONS AND CLEARLY VISIBLE.
- TERMINATE MAIN DRAIN OVER SPLASH BLOCK IN LANDSCAPING AREA.
- POST INDICATOR VALVE. INSTALL PER MANUFACTURER RECOMMENDATIONS. COORDINATE EXACT LOCATION WITH AHJ PRIOR TO INSTALL. PROVIDE 3/4" C WITH FULL STRING AND FIRE ALARM WIRING AND ROUTE TO FIRE ALARM PANEL. AT INTERIOR OF BUILDING, FIELD VERIFY ROUTING AND CONDITIONS PRIOR TO ROUGH-IN. INSTALL 3'X3'6" DEEP CONCRETE PAD.
- EXTEND DUCTILE IRON PIPING FROM -36" MIN OUTSIDE OF THE BUILDING TO INSIDE THE BUILDING.
- ALL PIPING IN ROOM TO BE PAINTED WHETHER EXPOSED OR ABOVE CEILING CLOUD. COORDINATE WITH GC. ALL SPRINKLER HEADS IN CLOUDS SHALL BE WHITE CONCEALED HEADS. ALL HEADS NOT IN THE CLOUDS SHALL BE UPRIGHT WHITE HEADS.
- ALL HEADS IN KLN ROOM SHALL BE RATED UP TO 210°.

GENERAL UTILITY NOTES:

- LOCATION AND ELEVATIONS OF IMPROVEMENTS TO BE MET (OR AVOIDED) BY WORK TO BE DONE SHALL BE CONFIRMED BY THE CONTRACTOR THROUGH FIELD EXPLORATIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REPORT TO THE ENGINEER ANY DISCREPANCIES BETWEEN HIS MEASUREMENTS AND THESE PLANS.
- THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITY LINES AND STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY SEARCH OF AVAILABLE RECORDS AND, TO THE BEST OF OUR KNOWLEDGE, CONSTITUTES ALL KNOWN FACILITIES. HOWEVER, THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING UTILITIES OR STRUCTURES LOCATED AT THE WORK SITE AND ANY OTHER EXISTING LINES OF RECORD NOT SHOWN ON THESE PLANS.
- BEFORE EXCAVATING FOR THIS CONTRACT, THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF UNDERGROUND UTILITIES. THE CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING UNDERGROUND UTILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF NECESSARY DUE THE ACTUAL LOCATION OF EXISTING FACILITIES.
- ALL EXCESS SPILL MATERIAL FROM UTILITY TRENCHES SHALL BE DISPOSED OF BY THE CONTRACTOR.
- UTILITY TRENCH EXCAVATIONS TO BE OCCUPIED BY PERSONNEL SHALL BE MADE IN ACCORDANCE WITH OSHA CONSTRUCTION STANDARDS - 29 CFR PART 1926, SUBPART P - EXCAVATIONS.
- UTILITY TRENCH BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698, STANDARD PROCTOR DENSITY AT A MOISTURE CONTENT BETWEEN 0% AND +4% OF OPTIMUM.

SITE REMOVAL NOTES:

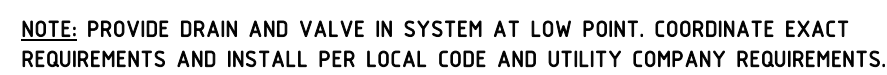
- ALL CONCRETE PAVEMENT REMOVALS SHALL BE MADE TO EXISTING JOINTS UNLESS OTHERWISE SPECIFIED.
- ALL PAVEMENTS TO BE REMOVED SHALL BE ISOLATED FROM ADJACENT PAVEMENTS WITH A FULL DEPTH SAW CUT.
- PAVEMENT REMOVAL SHALL INCLUDE FULL DEPTH REMOVAL OF EXISTING PAVEMENT AND/OR CONCRETE CURB AND GUTTER.
- ALL REMOVED MATERIAL, NOT IDENTIFIED FOR SALVAGE SHALL BE PROPERLY AND LEGALLY DISPOSED OF OFF-SITE BY THE CONTRACTOR.
- PAVEMENTS DAMAGED BY CONSTRUCTION ACTIVITY BEYOND THAT SHOWN ON THIS PLAN SHALL BE REMOVED AND REPLACED AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE NECESSARY TRAFFIC AND PEDESTRIAN CONTROL MEASURES TO PROTECT THE PUBLIC DURING CONSTRUCTION.
- UTILITIES ARE SHOWN AS A CONVENIENCE FOR THE CONTRACTOR. THE LOCATIONS OF ALL AERIAL AND UNDERGROUND UTILITY FACILITIES MAY NOT BE INDICATED ON THESE PLANS. UNDERGROUND UTILITIES, WHETHER INDICATED OR NOT, WILL BE LOCATED AND FLAGGED BY THE UTILITY COMPANIES AT THE CONTRACTOR'S REQUEST. NO EXCAVATION SHALL BE PERMITTED IN THE AREA OF UNDERGROUND UTILITIES UNTIL ALL FACILITIES HAVE BEEN LOCATED AND IDENTIFIED TO THE SATISFACTION OF ALL PARTIES, AND THEN ONLY WITH EXTREME CARE TO AVOID ANY POSSIBILITY OF DAMAGE TO THE FACILITIES.

FIRE SERVICE NOTES:

- FIRE SERVICE LINES SHALL BE INSTALLED AT A DEPTH TO PROVIDE MINIMUM OF 5' OF COVER FROM FINISHED GRADE.
- PROVIDE A MINIMUM OF 3' OF HORIZONTAL SEPARATION BETWEEN FIRE SERVICE AND GAS SERVICE LINES, MEASURED TO THE OUTSIDE OF THE PIPES.
- WATER MAIN MUST BE SEPARATED BY AT LEAST 10'-0" HORIZONTALLY AND 1'-6" VERTICALLY FROM ANY EXISTING OR PROPOSED PARALLEL SANITARY SEWER AND/OR STORM SEWER, MEASURE EDGE TO EDGE.
- ALL FITTINGS FOR WATER LINE CONSTRUCTION SHALL BE DUCTILE IRON WITH MECHANICAL JOINT CONNECTIONS.
- ALL DUCTILE IRON BENDS, TEE, AND TAPPIING SLEEVES SHALL BE RESTRAINED WITH RETAINER GLANDS.
- ALL DUCTILE IRON FITTINGS SHALL BE DOUBLE WRAPPED (TWO LAYERS) AND TAPED WITH LINEAR LOW DENSITY POLYETHYLENE. POLYWRAP SHALL BE A MINIMUM OF 8 MILS THICK AND MANUFACTURED OF VIRGIN POLYETHYLENE MATERIAL.



1. ALL PIPING MUST BE INSTALLED IN A NICE CLEAN WORKMANSHIP LIKE MANNER
2. ALL PIPING FROM MAIN SHALL BE 1/2".
3. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
4. PROVIDE ESCUTCHEONS AT ALL WALL PENETRATIONS.

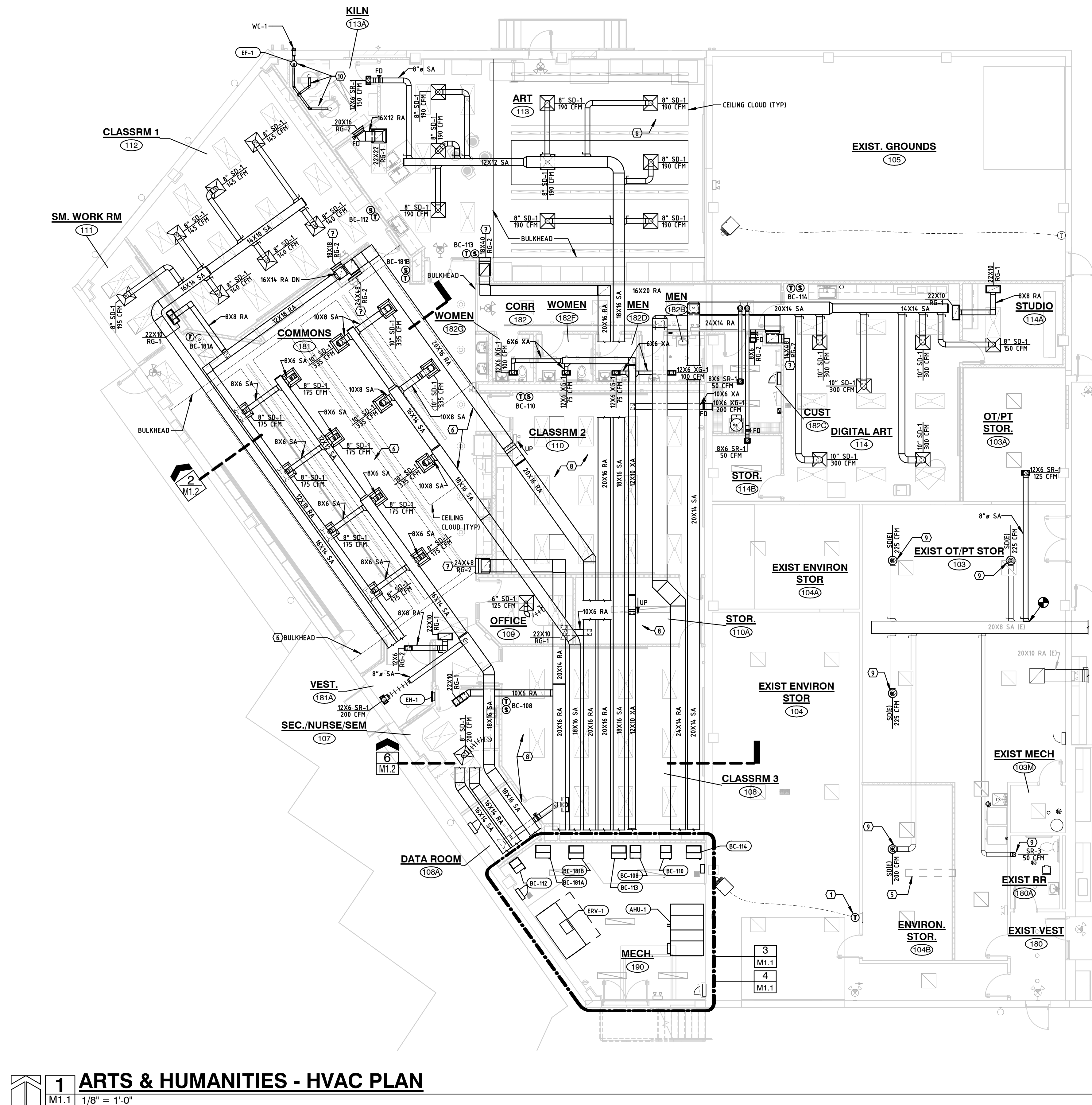
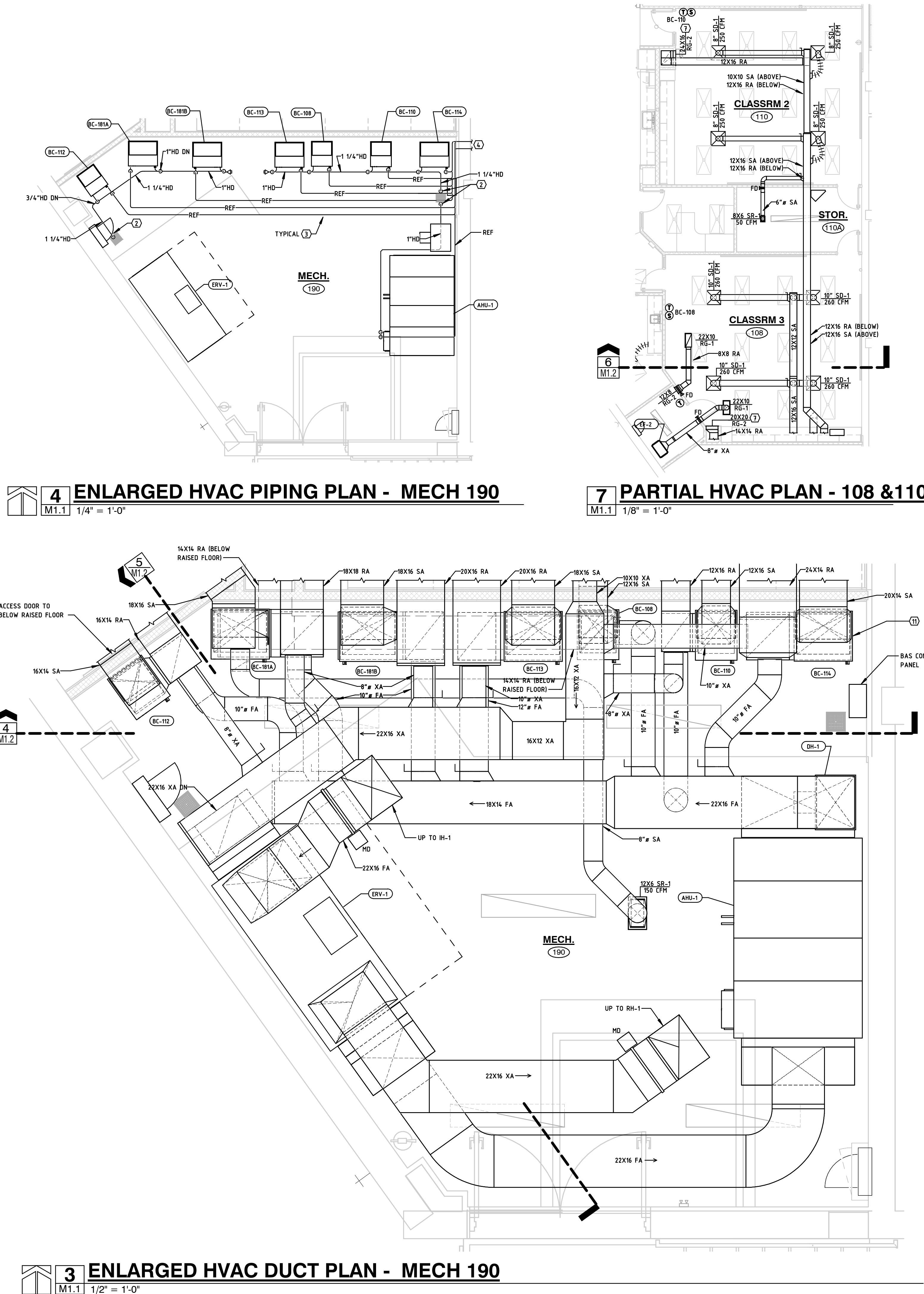


5	WATER SERVICE DETAIL
P3.1	NTS



1. ALL DOMESTIC WATER HEATERS SHALL BE UL LISTED
2. PROVIDE LISTED PRESSURE AND TEMPERATURE DEVICE, SIZED PER HEATER INPUT, WITH WATER HEATER. PROVIDE WITH AUTOMATIC TEMPERATURE CONTROL.
3. VERIFY PH LEVEL OF WATER IN AREA AND PROVIDE MANUFACTURER RECOMMENDED ZINC COATED ANODE ROD.
4. INSTALL HEAT TRAPS IN BOTH INLET AND OUTLET PIPING AT CONNECTION TO WATER HEATER.

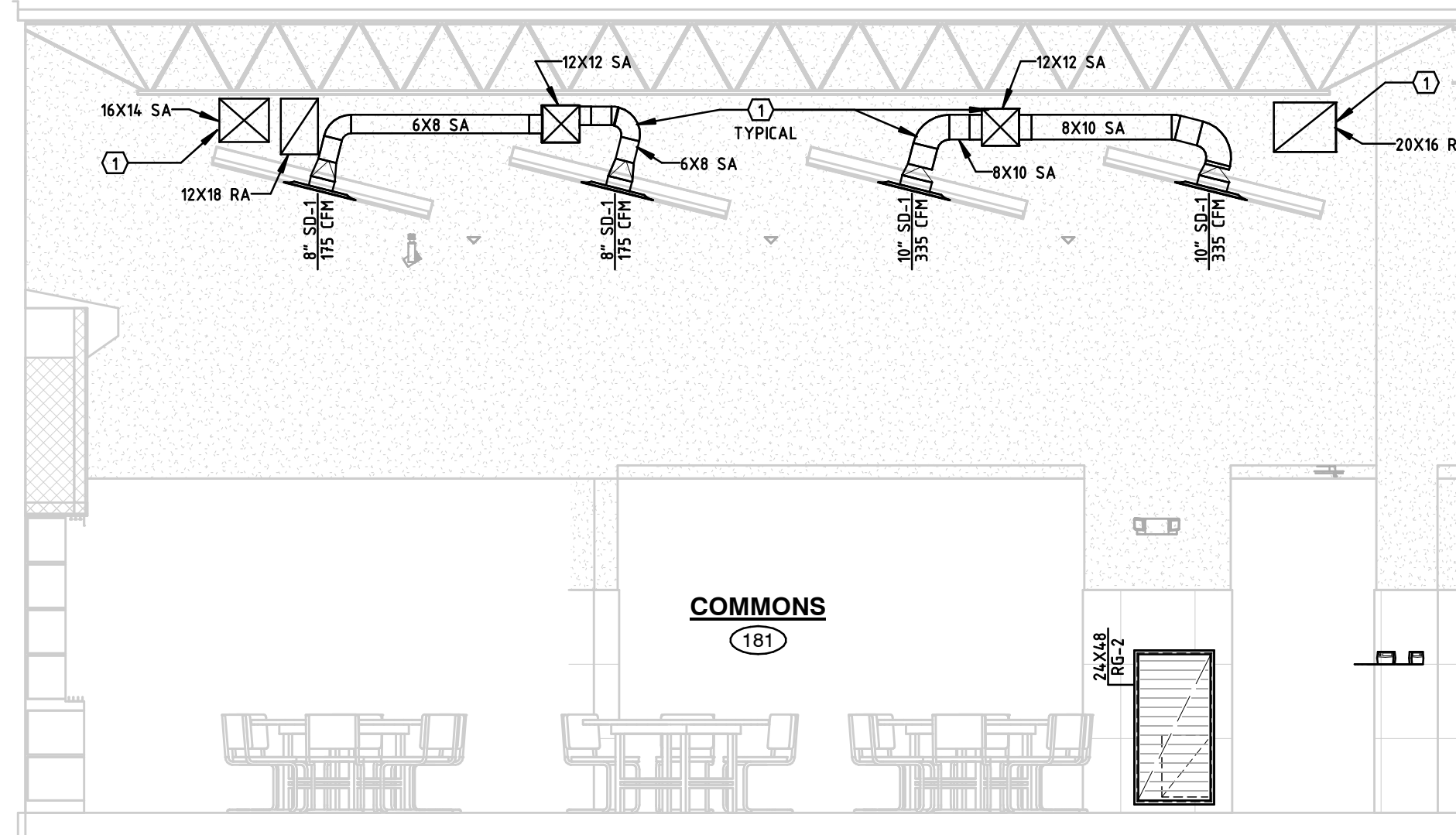
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KEY NOTES

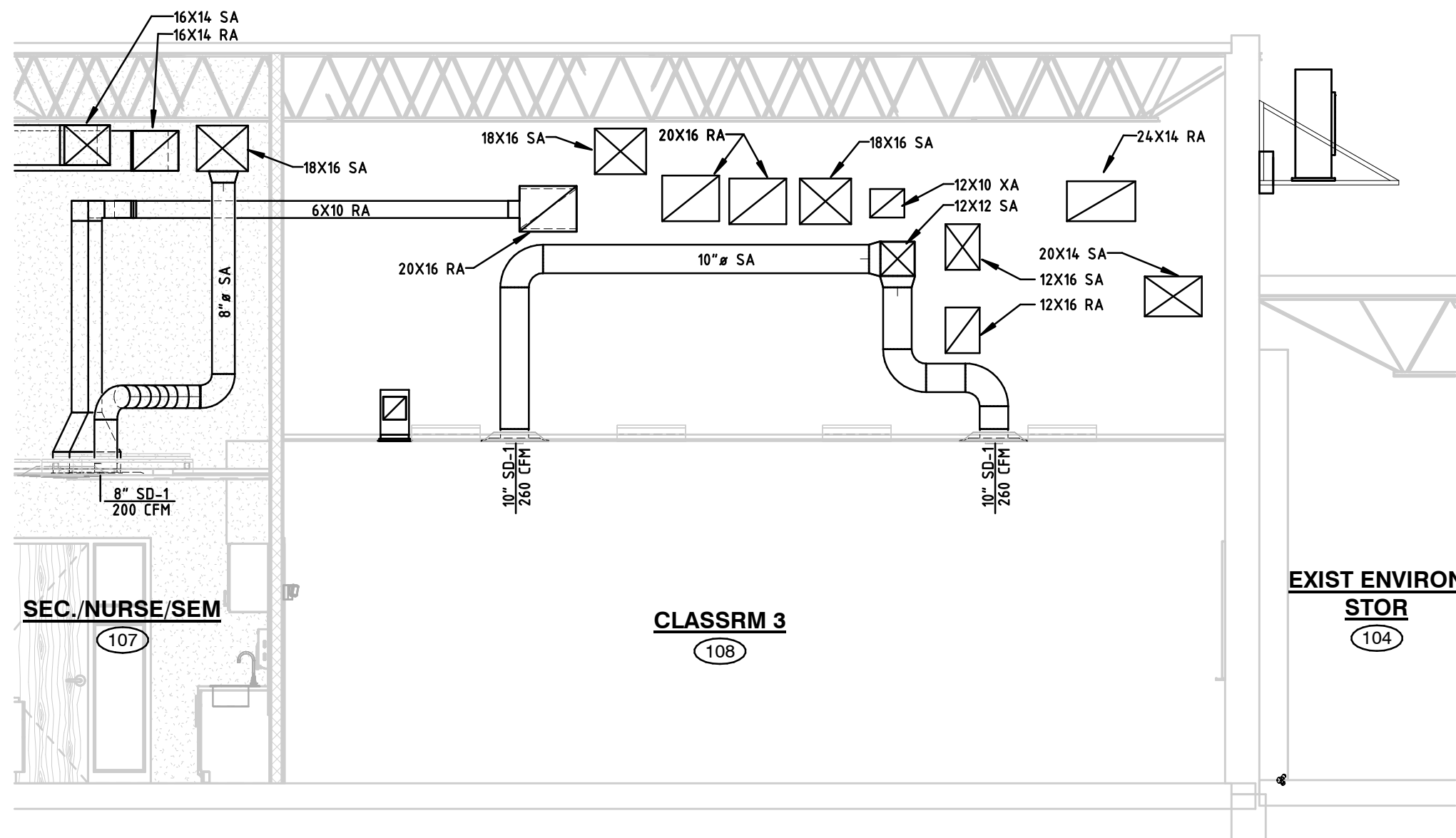
SYMBOL =

1. NEW LOCATION OF EXISTING THERMOSTAT, EXTEND NEW WIRING AS REQUIRED TO RE-CONNECT TO EXISTING ASSOCIATED UNIT.
2. EXTEND HUMIDITY DRAIN PIPING TO NEAREST FLOOR DRAIN PROVIDE CLEAN OUT IN DRAIN SECURE PIPING TO FLOOR DRAIN COVER WITH ZIP TIE.
3. EXTEND REFRIGERANT PIPING TO CORRESPONDING UNIT IN MECHANICAL ROOM. ALL ROUTING, INSULATION, ACCESSORIES, SIZING PER MANUFACTURER'S RECOMMENDATIONS. STEEL NAIL PLATES MUST BE USED WHERE PIPING PENETRATES WOOD JOIST OR STUD WITH LESS THAN 2" OF DISTANCE BETWEEN PIPING AND DRYWALL.
4. SEE ROOF PLAN ON M2.1 FOR CONTINUATION.
5. EXHAUST FAN, DUCT, ELECTRIC HEATER, AND CONTROLS BY OWNER.
6. ALL DUCT IN CEILING CLOUD AREA ARE TO BE PAINT GRIP. TRANSITION FROM GALVANIZED TO PAINT GRIP AT ALL BULKHEAD/SOFFIT PENETRATIONS.
7. MOUNT BOTTOM OF GRILLE 6" AFF.
8. SEE "PARTIAL HVAC PLAN - 108 & 110" ON THIS SHEET FOR HVAC LAYOUT SERVING ROOM.
9. ADJUST BALANCING OF EXISTING DIFFUSER TO QUANTITY SHOWN.
10. CONTRACTOR TO INSTALL ALL HARDWARE REQUIRED FOR CORRECT OPERATION OF DOWNDRAFT KEN VENTILATION SYSTEM. PLENUM CLIP, 3" FLEXIBLE DUCT, Y-CONNECTION TO BE PROVIDED WITH FAN (EP-II), INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
11. ONE COMPLETE BLOWER COIL "PICK-UP" INCLUDING MECHANICAL AND ELECTRICAL CONNECTIONS SHALL BE INSTALLED AND APPROVED BY OWNER, ARCH. & ENGINEER PRIOR TO STARTING WORK ON OTHER BLOWER COILS.



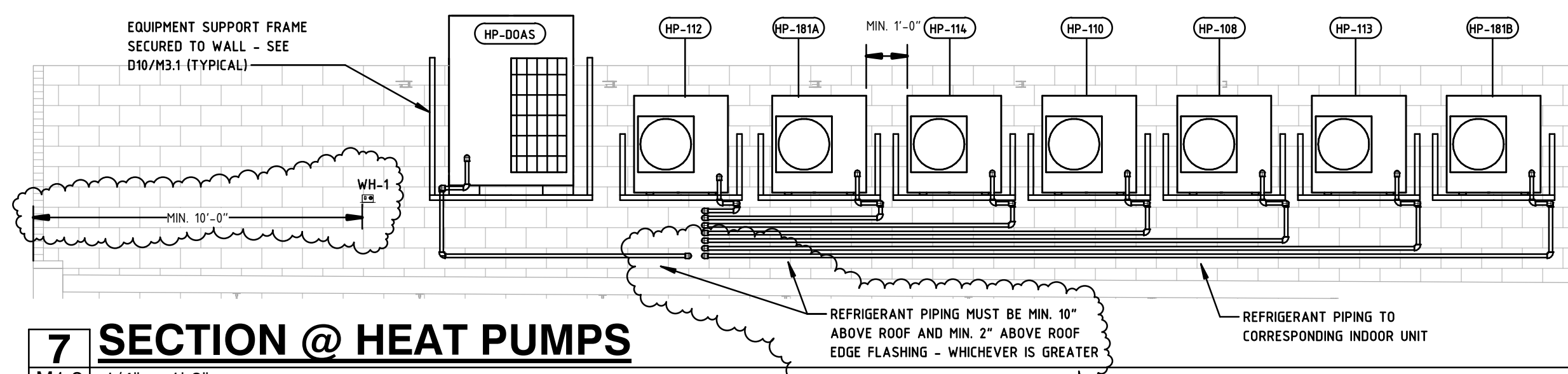
2 SECTION @ COMMONS-181

M1.2 1/4" = 1'-0"



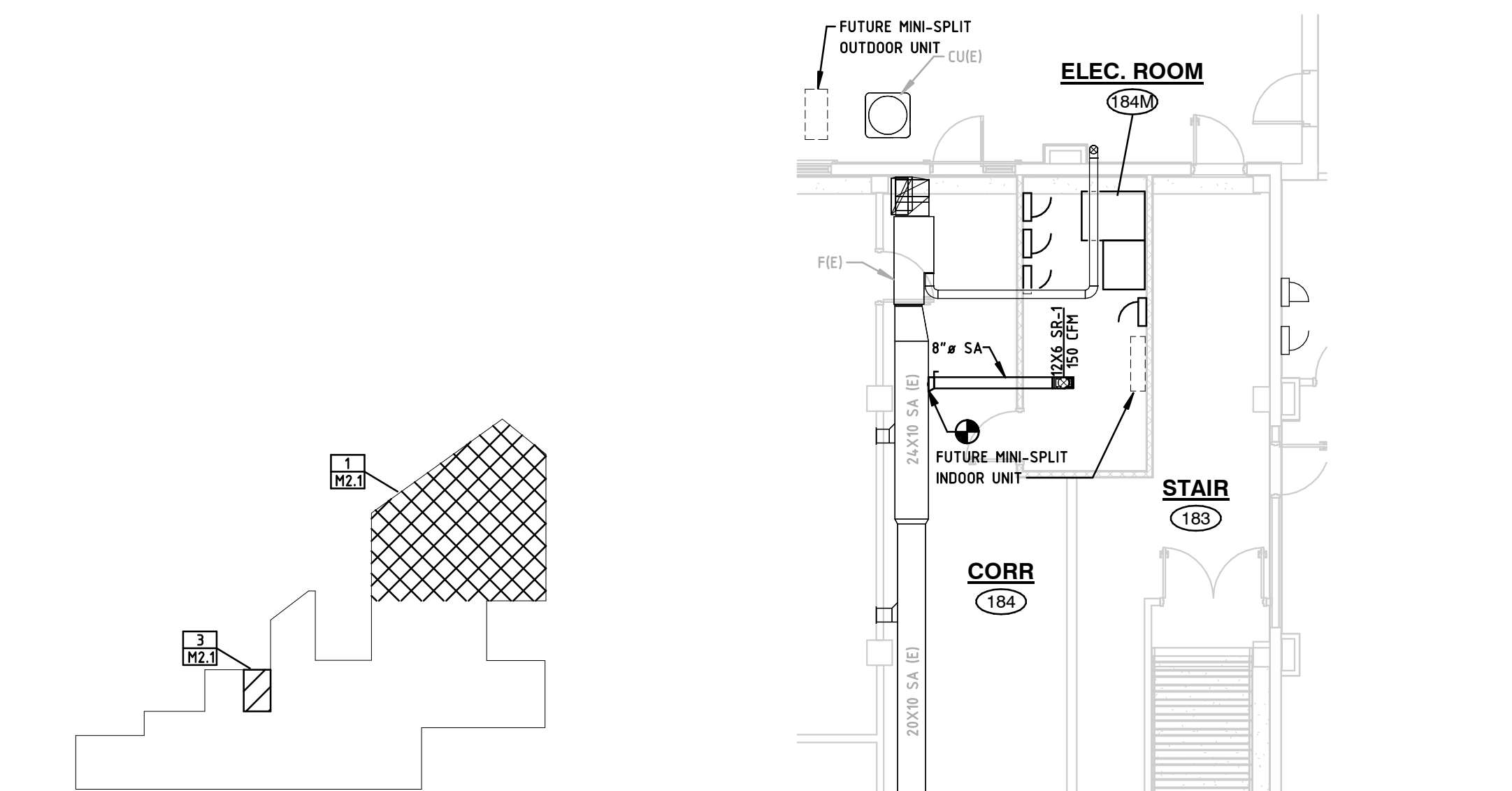
6 SECTION @ CLASSRM 3-108

M1.2 1/4" = 1'-0"



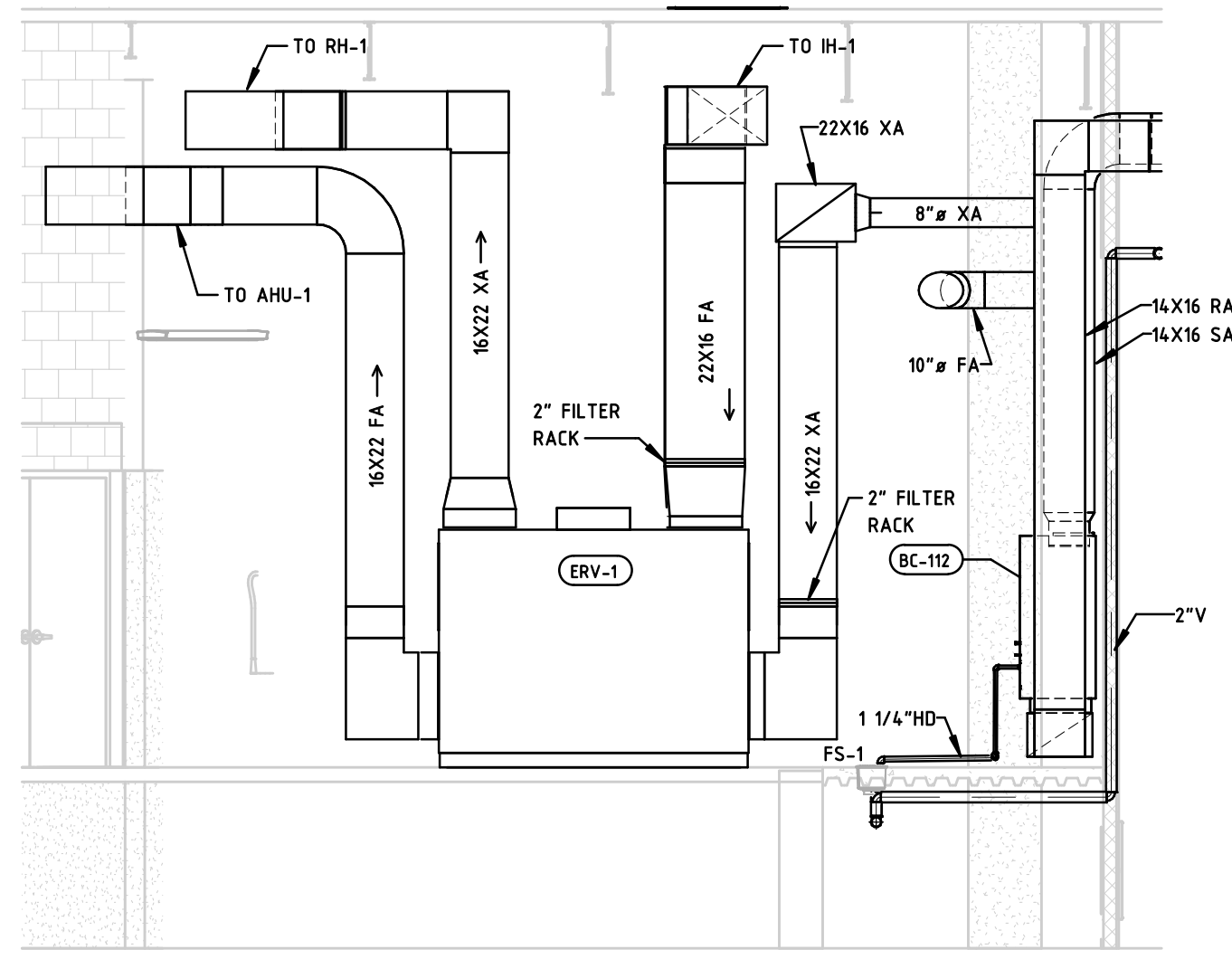
7 SECTION @ HEAT PUMPS

M1.2 1/4" = 1'-0"



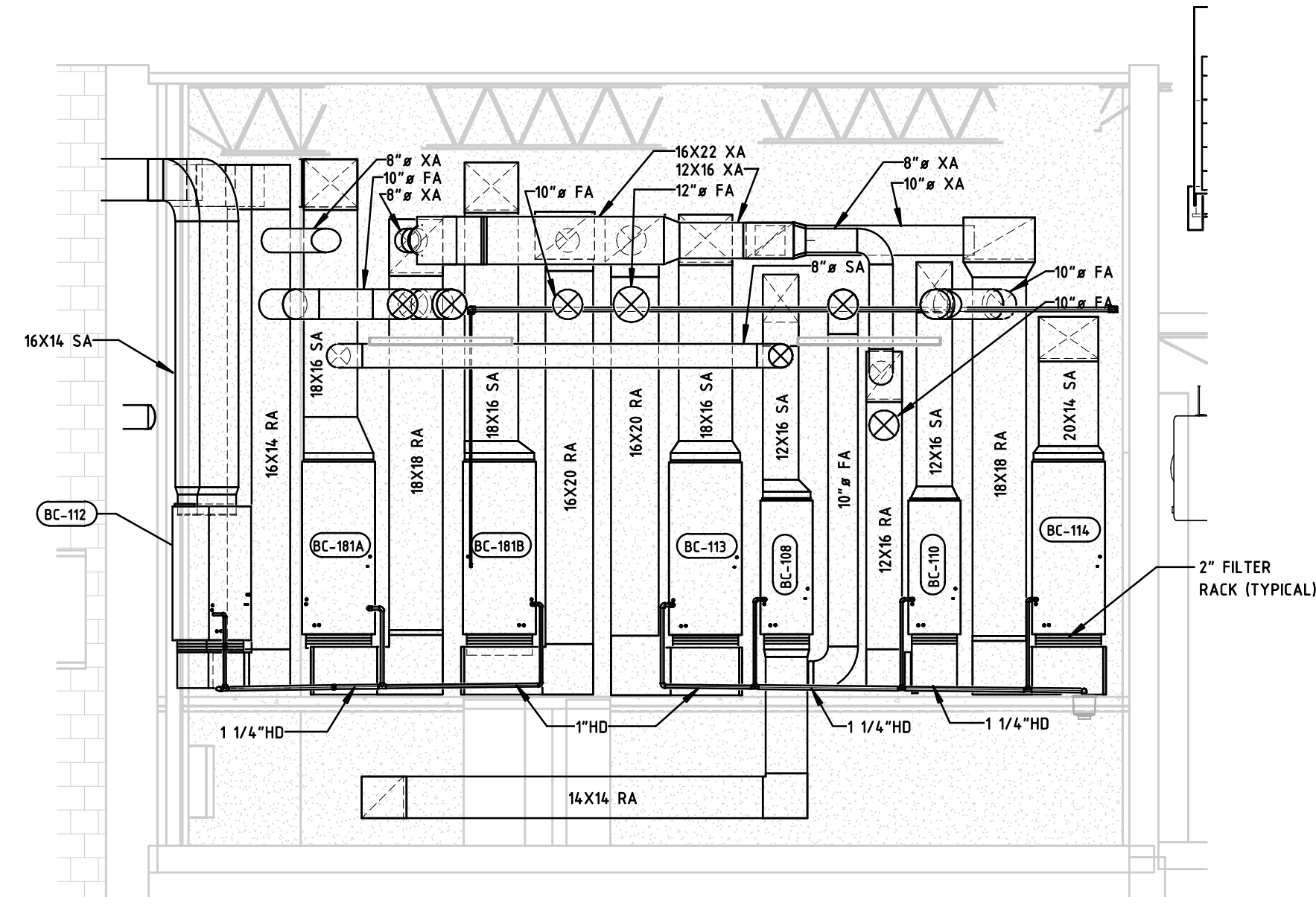
3 PARTIAL HVAC PLAN - 184/184M

M1.2 1/8" = 1'-0"



5 SECTION @ MECH 190 (ERV-1)

M1.2 1/4" = 1'-0"



4 SECTION @ MECH 190 (BLOWER COILS)

M1.2 1/4" = 1'-0"



1 ROOF PLAN - MECHANICAL

M1.2 1/8" = 1'-0"

KEY NOTES

SYMBOL = (C)

- 1 ALL DUCT ABOVE AND THROUGH CEILING CLOUD AREA TO BE PAINT GRP. COORDINATE PAINTING WITH GC.
- 2 EXTEND REFRIGERANT PIPING TO CORRESPONDING UNIT IN MECHANICAL ROOM ALL ROUTING, INSULATION ACCESSORIES, SIZING PER MANUFACTURER'S RECOMMENDATIONS. STEEL NAILS PLATES MUST BE USED WHERE PIPING PENETRATES WOOD JOIST OR STUD WITH LESS THAN 2" OF DISTANCE BETWEEN PIPING AND DRYWALL.
- 3 MOUNT HEAT PUMP ON POWDER COATED BLACK SUPPORT BRACKETS THAT ARE ANCHORED TO WALL. MOUNT BOTTOM OF SUPPORT AT 12" VERTICALLY ABOVE ROOF.
- 4 SEE ENLARGED HVAC PIPING PLAN - MECH 190 ON M1.1 FOR CONTINUATION.
- 5 ALL REFRIGERANT PIPING MUST BE INSTALLED 10" ABOVE ROOF AND MIN. 2" ABOVE ROOF EDGE FLASHING - WHICHEVER IS HIGHER. INSTALL STACKED ALONG WALL OR HUNG BELOW EQUIPMENT RACKS AS REQUIRED TO MEET MIN. CLEARANCES.



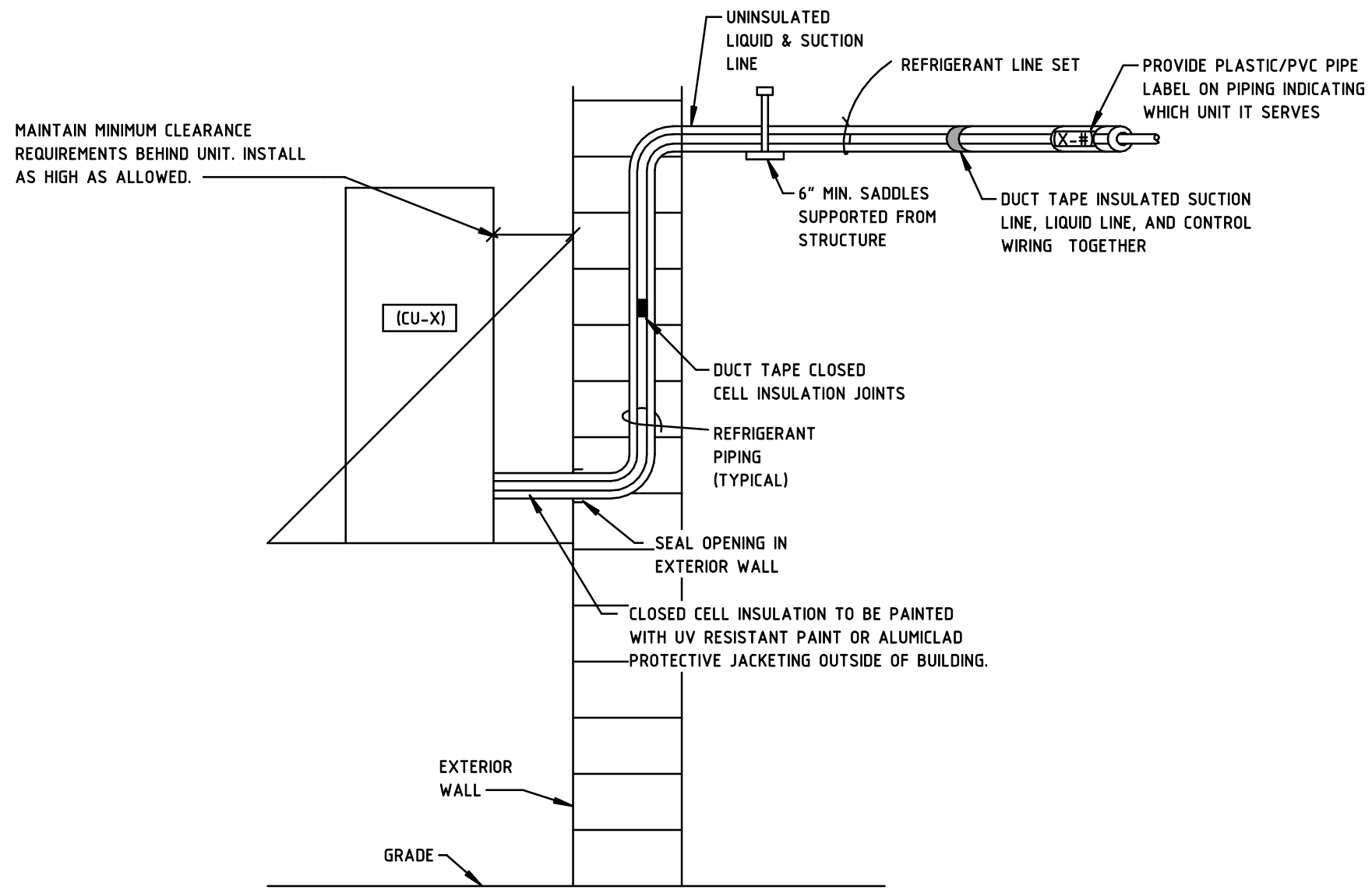
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LINCOLN PUBLIC SCHOOLS
ARTS & HUMANITIES FOCUS PROGRAM
BOTTLEERS BUILDING
Lincoln, NE

Project Number
23-007
Date
1/11/2024
Revisions
Date
1 1-17-2024
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M1.2
MECH HVAC PLANS AND
SECTIONS

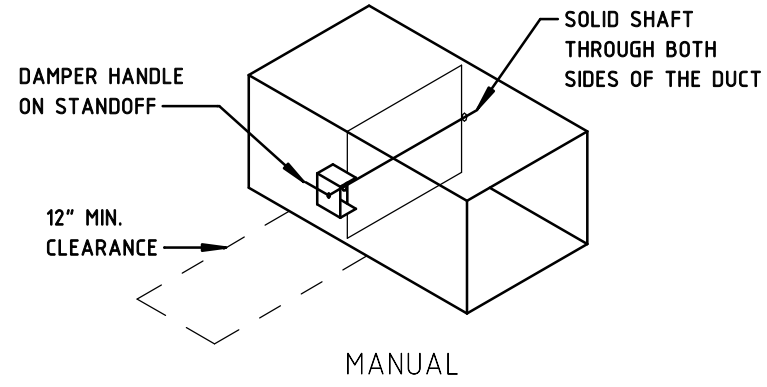


1 REFRIGERANT PIPING DETAIL
M2.1 NTS

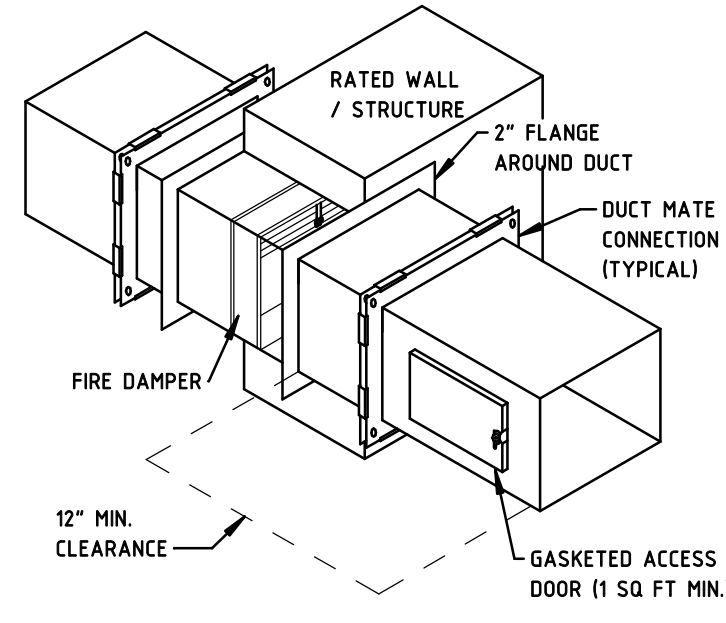
DETAIL NOTES

WHEN TYPICAL INSTALLATION IS NOT POSSIBLE CONSULT ARCHITECT, MECHANICAL AND STRUCTURAL ENGINEERS BEFORE INSTALLATION. INSTALLATION WITH FULL ACCESS TO ALL COMPONENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. ANY CHANGES MADE TO THE INSTALLATION SHALL BE MADE AT NO ADDITIONAL COST. IF ACCESS DOORS IN WALLS ARE REQUIRED, THEY WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. FIRE RATED ACCESS DOOR SHOULD BE PROVIDED IN RATED WALLS. WHERE THE INSULATION STOPS FOR THE DAMPERS, THE EDGE OF THE INSULATION SHALL BE CAPPED WITH 1" DEEP METAL NOSING. THIS SHALL BE RIVETED TO THE DUCT.

DETAIL APPLIES TO SQUARE AND ROUND DUCTS. AUXILIARY SWITCHES FOR MONITORING PURPOSES TO BE PROVIDED ON ALL ACTUATED SMOKE & FIRE/SMOKE DAMPERS AND MUST BE BUILT WITH FUSE LINK TECHNOLOGY. ALL FIRE DAMPERS MUST BE COMMISSIONED IN THE PRESENCE OF A LPS CONTROL SYSTEMS GROUP FOLLOWING COMPLETION OF THE DUCT SYSTEMS.



2 DAMPER DETAIL
M2.1 NTS



DETAIL NOTES

GENERAL NOTES

VERTICAL UNIT SHOWN, ALL ITEMS APPLY TO HORIZONTAL UNIT CONFIGURATION.

WHEN TYPICAL INSTALLATION IS NOT POSSIBLE CONSULT ARCHITECT, MECHANICAL, AND STRUCTURAL ENGINEERS BEFORE INSTALLATION.

INSTALLATION WITH FULL ACCESS TO ALL COMPONENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. ANY CHANGES MADE TO THE INSTALLATION SHALL BE MADE AT NO ADDITIONAL COST.

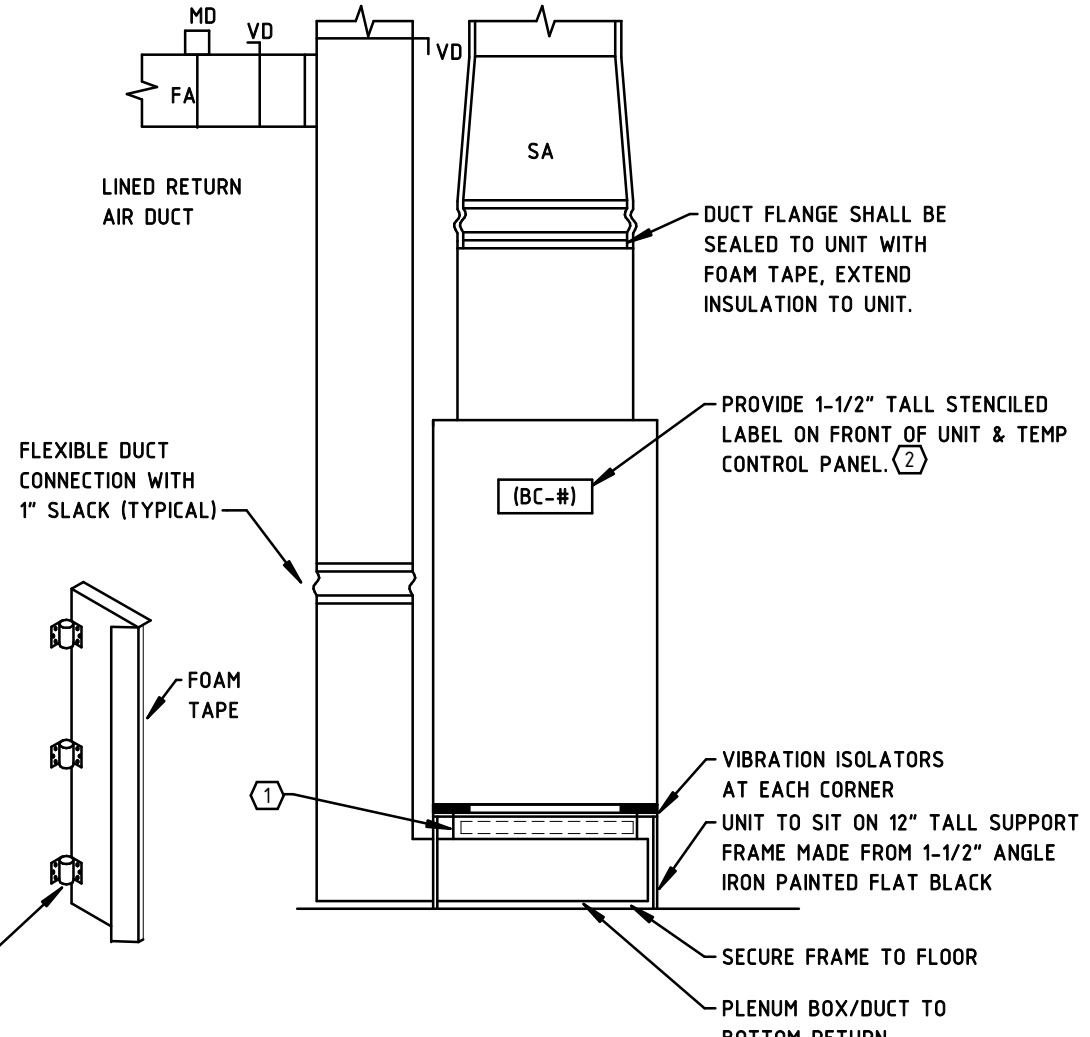
ONE COMPLETE "MOCK-UP" SHALL BE INSTALLED AND REVIEWED BY ARCHITECT/ENGINEER FOR APPROVAL OF ALL BLOWER COILS. "MOCK-UP" SHALL INCLUDE ONE COMPLETE BLOWER COIL. INSTALLATION OF EACH TYPE/ ROOM ACCORDING TO DRAWINGS AND SPECIFICATIONS. IN ADDITION, ALL EQUIPMENT, CONTROLS AND ELECTRICAL MUST BE SET AND REVIEWED BY ENGINEER PRIOR TO PIPING, DUCT AND ELECTRICAL BEING STARTED.

KEY NOTES

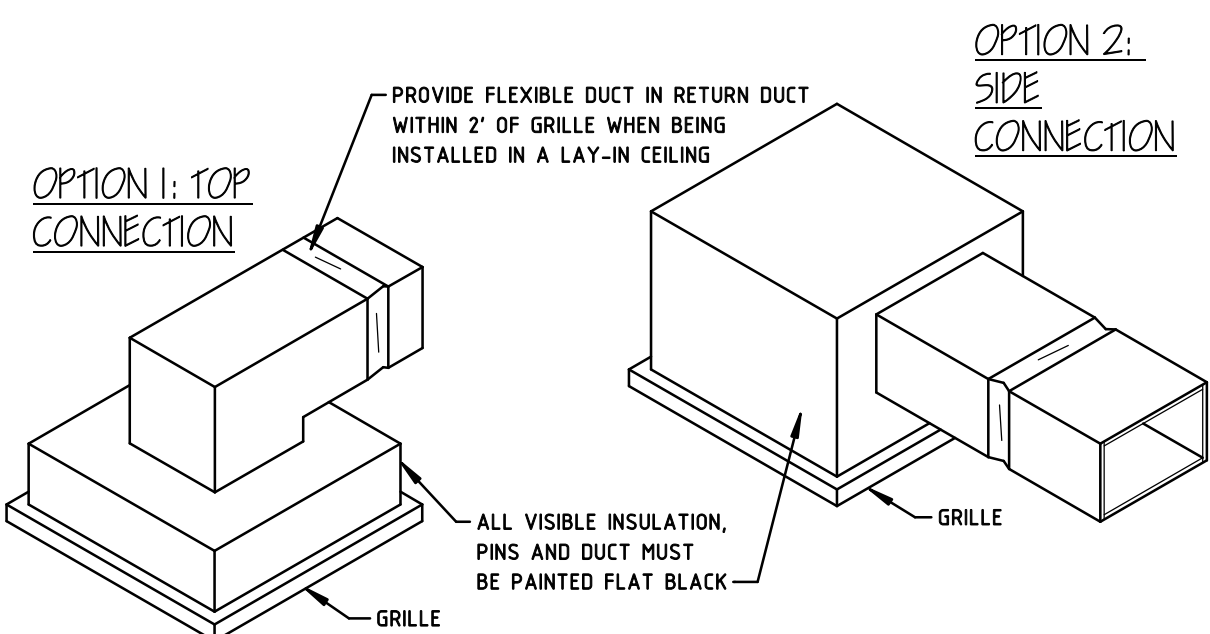
1. PROVIDE 2" FILTER RACK IN RETURN DUCT COLLAR, ERV, AND AHU's. FILTER RACK MUST BE OF A NOMINAL VALUE (WHOLE NUMBER DIVISIBLE BY 1) AND A STANDARD SIZE AVAILABLE AT BIG BOX HOME IMPROVEMENT CENTERS. FILTER DOOR MUST BE AS SHOWN AND LABELED WITH FILTER SIZE. FILTER RACK SHALL BE CONSTRUCTED WITH 1/4"-1/2" CLEARANCE TO ALLOW FILTER TO BE EASILY INSTALLED.

2. LABEL SHALL INCLUDE THE FOLLOWING INFORMATION: EQUIP TAG, MANUFACTURER NAME, MODEL #, IDENTIFYING CHARACTERISTICS (INCLUDING CFM AND BTU CAPACITY)

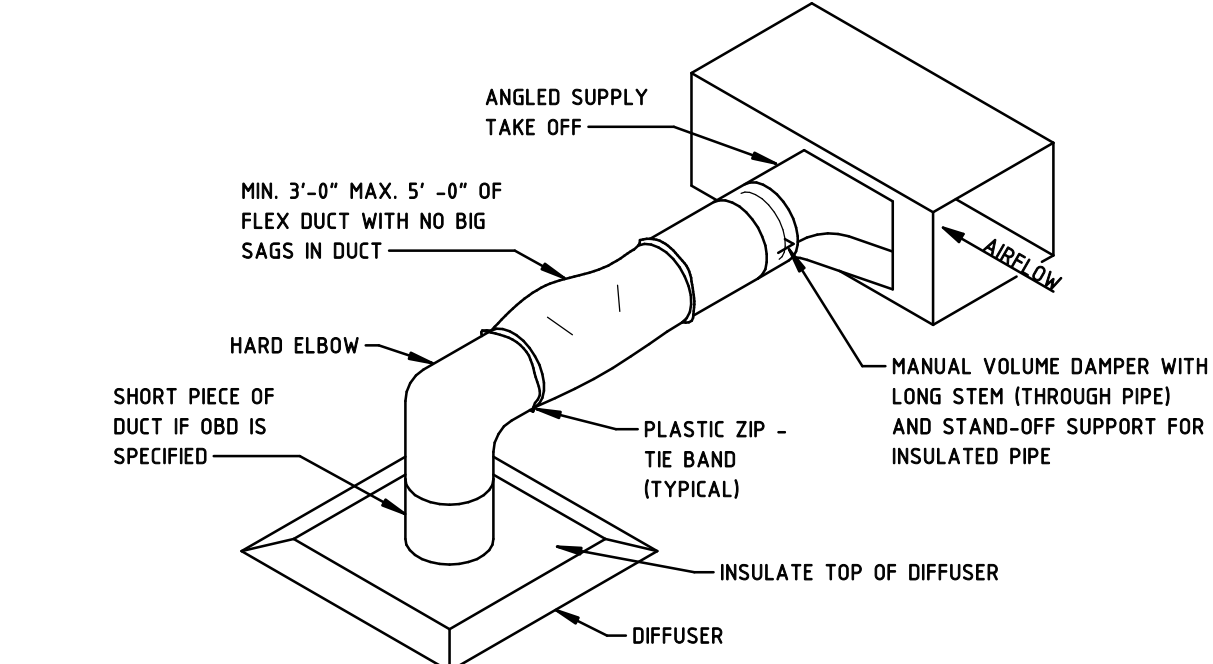
GRANGER MODEL 4P474 SPRING HINGE, PROVIDE A MINIMUM OF 3 HINGES WITH NO MORE THAN 12" BETWEEN HINGES (TYPICAL)



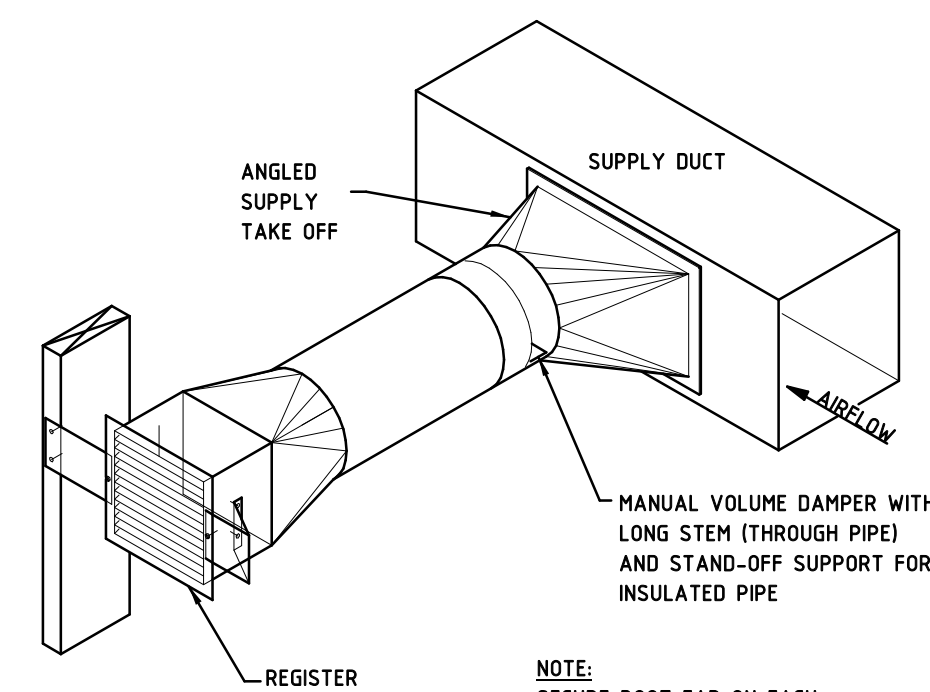
3 BLOWER COIL CONNECTION DETAIL
M2.1 NTS



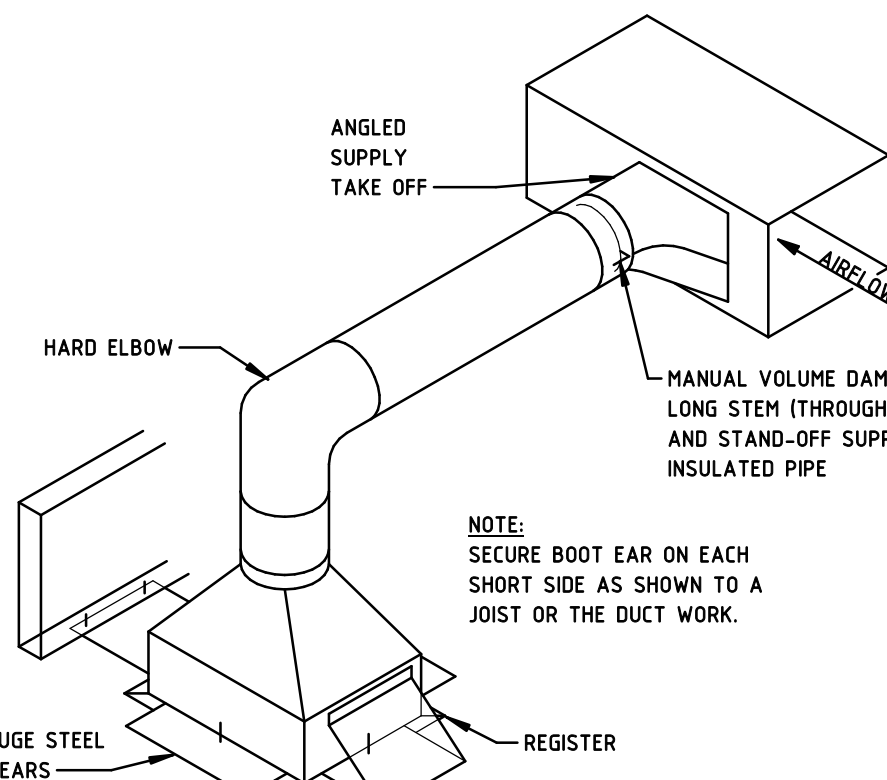
4 RETURN/EXHAUST/TRANSFER GRILLE DETAIL
M2.1 NTS



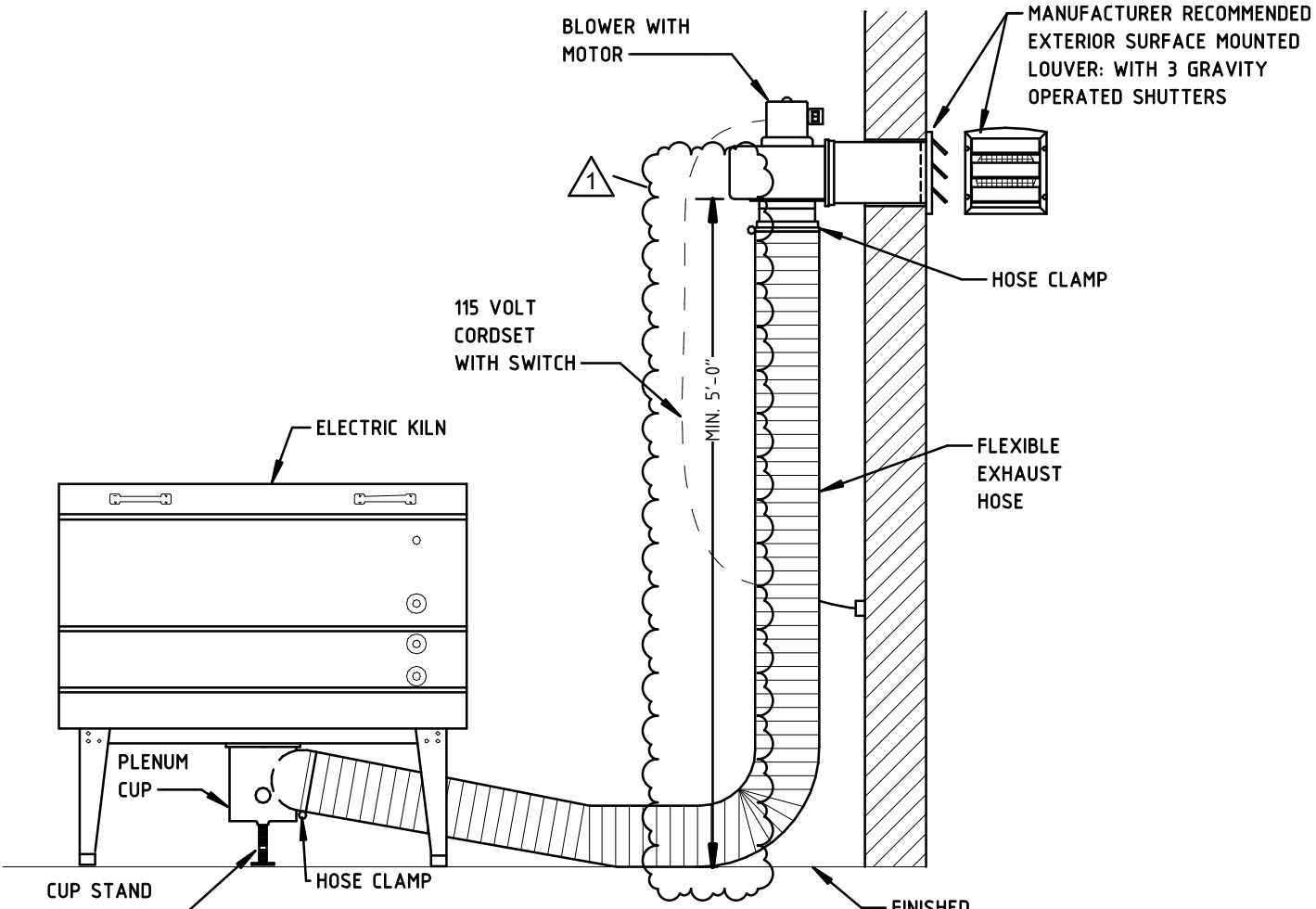
5 SUPPLY DIFFUSER DETAIL
M2.1 NTS



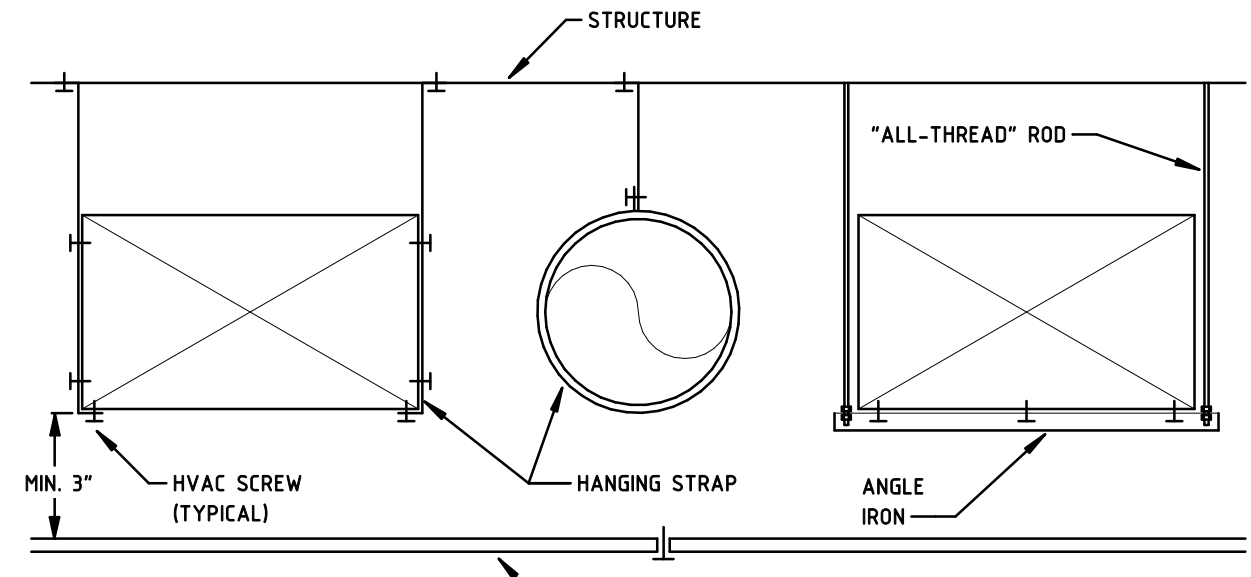
6 SIDEWALL MOUNT SUPPLY REGISTER DETAIL
M2.1 NTS



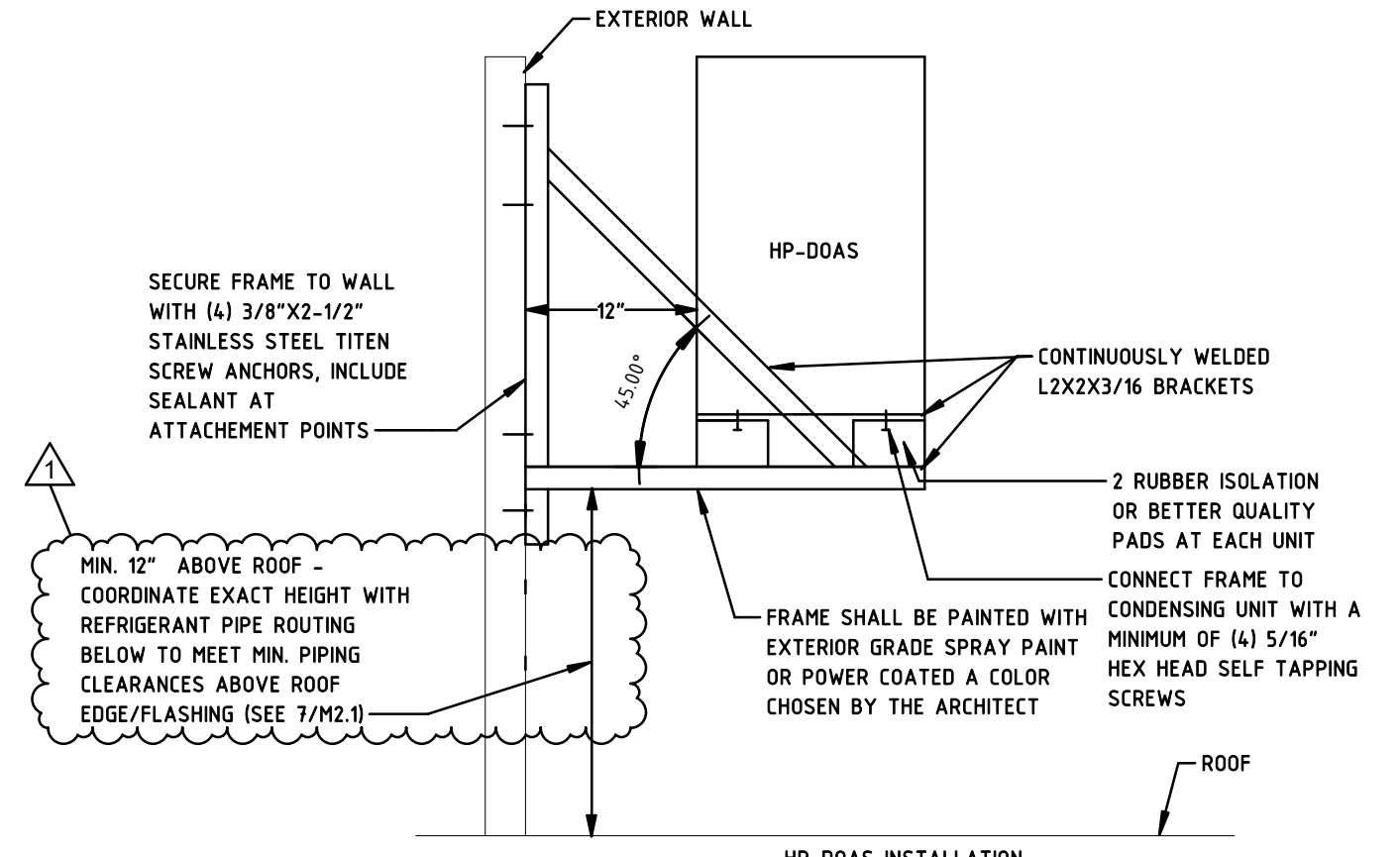
7 SURFACE MOUNT SUPPLY REGISTER DETAIL
M2.1 NTS



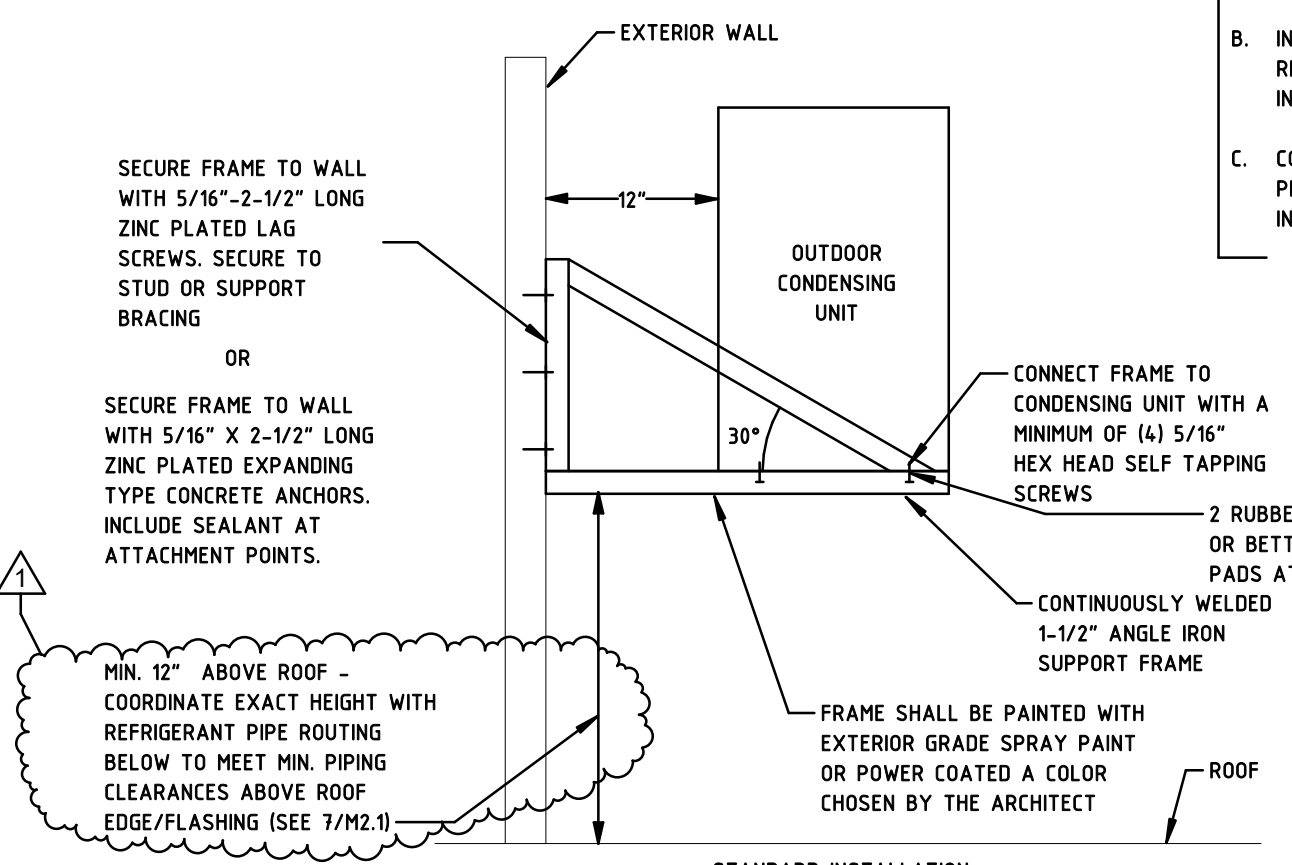
8 KILN VENTILATION DETAIL
M2.1 NTS



9 DUCT SUPPORT DETAIL
M2.1 NTS



10 OUTDOOR UNIT SUPPORT FRAME DETAIL
M2.1 NTS



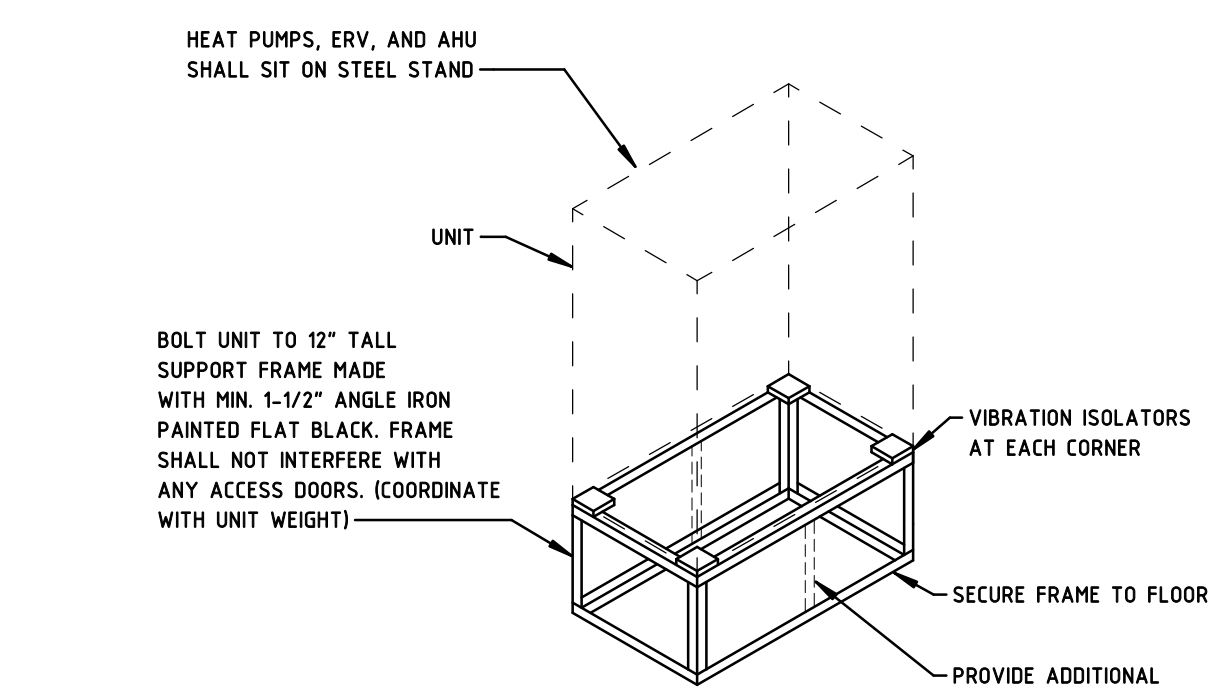
DETAIL NOTES

GENERAL NOTES

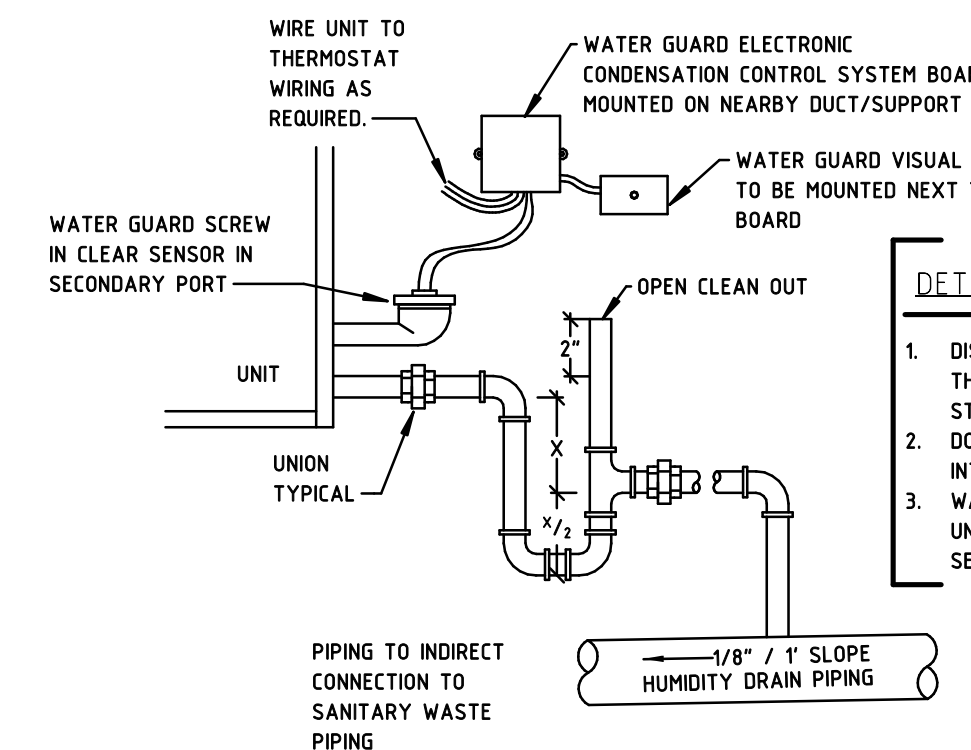
A. WHEN TYPICAL INSTALLATION IS NOT POSSIBLE CONSULT ARCHITECT, MECHANICAL AND STRUCTURAL ENGINEERS BEFORE INSTALLATION.

B. INSTALLATION WITH FULL ACCESS TO ALL COMPONENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. ANY CHANGES MADE TO THE INSTALLATION SHALL BE MADE AT NO ADDITIONAL COST.

C. COORDINATE EQUIPMENT MOUNTING HEIGHTS WILL ALL TRADES, PIPING, DUCT AND ELECTRICAL (NEW AND EXISTING) PRIOR TO INSTALLATION. MAINTAIN FULL MAINTENANCE ACCESS.



11 SUPPORT FRAME DETAIL
M2.1 NTS



12 INDIRECT DRAIN DETAIL
M2.1 NTS

DETAIL NOTES

1. DISTANCE X MUST BE EQUAL TO OR GREATER THAN TWICE THE SUPPLY FANS RATED STATIC PRESSURE.

2. DO NOT PROVIDE TRAP IF UNIT IS INTERNALLY TRAPPED.

3. WATER GUARD SYSTEM IS NOT REQUIRED IF UNIT HAS INTERNAL FLOAT SWITCH OR SECONDARY DRAIN PAN.

SEQUENCE OF OPERATION

GENERAL:

- ALL POINTS AND EQUIPMENT SHALL HAVE THEIR STATUS CLEARLY IDENTIFIED ON THE CONTROLS SCREEN.
- ALL SET POINTS AND PARAMETERS SHALL BE INDEPENDENTLY ADJUSTABLE AND CLEARLY IDENTIFIED AS SET POINTS AND NOT READ ONLY VALUES.
- THE OCCUPANCY (OCC OCCUPIED OR UNOCCUPIED) SHALL BE DETERMINED THROUGH A USER-ADJUSTABLE, GRAPHICAL, SEVEN-DAY SCHEDULE WITH A HOLIDAY SCHEDULE.
- NOT ALL POINTS ARE SHOWN/MENTIONED, PROVIDE ALL POINTS REQUIRED FOR PROPER OPERATION/CONTROL.
- ALL SENSORS, EQUIPMENT, VALVE, ETC. LOCATIONS AND SIZES SHALL BE CLOSELY COORDINATED WITH THE MECHANICAL AND HVAC CONTRACTOR PRIOR TO ORDERING AND INSTALLATION.
- PROVIDE INTERFACE TO ALL EQUIPMENT AS WELL AS SENSORS / CONTROLS REQUIRED FOR THE COMPLETE OPERATION OF THE SYSTEMS / EQUIPMENT.
- ALL CONTROL WIRING SHALL BE INSTALLED IN A NEAT AND WORKMANSHIP LIKE MANNER, WITH NO WIRING INSTALLED PARALLEL TO WITHIN 30° OF LINE VOLTAGE ELECTRICAL FOR MORE THAN 24".

CONTROL SYSTEM SHALL BE AN EXTENSION OF THE EXISTING LINCOLN PUBLIC SCHOOLS CONTROL SYSTEM BY CONTROL SERVICES. TIED TO THE CENTRAL OFFICE SYSTEM. SYSTEM IN BUILDING SHALL BE A NEW INSTALLATION. NO EXISTING CONTROL SYSTEM IN BUILDING. CONTROL CONTRACTOR SHALL BE CONTROL SERVICES.

COORDINATION RESPONSIBILITY

ITEM	INSTALLED BY	PROVIDED BY
CONTROL VALVES	MC	CC
CONTROL DAMPERS	MC	CC
ENERGY METERS	MC	CC
THERMAL SENSOR WELLS	MC	CC
SENSORS	CC	CC

MC = MECHANICAL CONTRACTOR

CC = CONTROL CONTRACTOR

MC = HVAC CONTRACTOR

CC = ELECTRICAL CONTRACTOR

ALARMS:

- ALL MANUFACTURERS ALARMS ARE TO BE REPORTED TO THE BAS WITH EMAILS BEING SENT OUT TO THE RESPECTIVE PARTIES, LIST OF EMAIL ADDRESSES IS TO BE PROVIDED BY OWNER.
- ALARMS SHALL INCLUDE BUT NOT LIMITED TO:
 - ALARM#1 COMMON ALARMS
 - HUMIDITY DRAIN PAN HIGH LEVEL ALARM
 - STATUS / EQUIPMENT FAILURE
 - ROOM TEMPERATURES +5° -- FROM SET POINT
 - EQUIPMENT/CONTROL VALVES IN "HAND" MODE
 - HIGH/LOW PRESSURE AND TEMPERATURE OF HEAT PUMP LOOP

TRENDING:

- THE FOLLOWING IS A LIST OF THE MINIMUM AMOUNT OF POINTS THAT SHALL BE TRENDED FOR AT LEAST 13 MONTHS. ALL OTHER POINTS SHALL BE TRENDED FOR 6 WEEKS.
- ALL TRENDS SHALL BE ABLE TO BE SHOWN GRAPHICALLY FOR A USER ADJUSTABLE TIME PERIOD. DATA SHALL BE EXPORTABLE TO MICROSOFT EXCEL.
 - ALARMS - EQUIPMENT, CODE, TIME
 - ALL PRESSURE, HUMIDITY AND TEMPERATURE SENSORS - EVERY 5 MINUTE INTERVALS MAXIMUM

GENERAL

SYMBOLS:

CONTROL DAMPER (ON/OFF)
CONTROL DAMPER (MODULATING)

TEMPERATURE SENSOR

PRESSURE SENSOR

HUMIDITY SENSOR

METER

DIRECTIONAL FLOW ARROW

AIR FLOW STATION

DIFFERENTIAL PRESSURE TRANSMITTER

VARIABLE FREQUENCY DRIVE

FULL SIZE CONTROL VALVE (ON/OFF)

FULL SIZE 3WAY CONTROL VALVE (2 POSITION)

CONTROL VALVE (MODULATING)

TEMPERATURE SENSOR

PRESSURE SENSOR

DIFFERENTIAL PRESSURE

DIRECTIONAL FLOW ARROW

PT PORT

MANUAL ISOLATION VALVE

CHECK VALVE

PRESSURE RELIEF VALVE

HEAT PUMP LOOP

HEATING HOT WATER

NORMALLY OPEN

NORMALLY CLOSED

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HVAC SCHEDULES

BLOWER COILS

MARK	MANUFACTURER	MODEL	ELECTRIC HEAT MODEL #	CFM	E.S.P. IN W.C.	BLOWER HP	KW @ 100% OUTPUT	ELECTRIC HEAT VOLT	PHASE	VOLT	PHASE	MCA	MDP	FA CFM/ SIZE	RFA CFM/SIZE	NOTES
BC-108	DAIKIN	FXT036TAVJA	HMSX10XC	1050	0.90	0.5	10	345A.0	208	1	208	1	48	50	285 / 10" x 10"	12,3,4,5,6,7,9,10
BC-110	DAIKIN	FXT036TAVJA	HMSX10XC	1050	0.90	0.5	10	345A.0	208	1	208	1	48	50	285 / 10" x 10"	12,3,4,5,6,7,9,10
BC-112	DAIKIN	FXT036TAVJA	HMSX10XC	1050	0.90	0.5	10	345A.0	208	1	208	1	48	50	285 / 10" x 10"	12,3,4,5,6,7,9,10
BC-113	DAIKIN	FXT040TAVJA	HMSX20DA	1800	0.90	1	20	682B.0	208	1	208	1	95	100	495 / 12" x 10"	12,3,4,5,6,7,9,10
BC-114	DAIKIN	FXT040TAVJA	HMSX20DA	1800	0.90	1	20	682B.0	208	1	208	1	95	100	495 / 12" x 10"	12,3,4,5,6,7,9,10
BC-115	DAIKIN	FXT040TAVJA	HMSX20DA	1800	0.90	1	20	682B.0	208	1	208	1	95	100	495 / 12" x 10"	12,3,4,5,6,7,9,10
BC-116	DAIKIN	FXT040TAVJA	HMSX20DA	1800	0.90	1	20	682B.0	208	1	208	1	95	100	495 / 12" x 10"	12,3,4,5,6,7,9,10
BC-117	DAIKIN	FXT040TAVJA	HMSX20DA	1800	0.90	1	20	682B.0	208	1	208	1	95	100	495 / 12" x 10"	12,3,4,5,6,7,9,10
BC-118	DAIKIN	FXT040TAVJA	HMSX20DA	1800	0.90	1	20	682B.0	208	1	208	1	95	100	495 / 12" x 10"	12,3,4,5,6,7,9,10

AIR SOURCE HEAT PUMPS

MARK	MANUFACTURER	MODEL	TOTAL MBH	SENS. MBH	STAGES	SEER @ AHR1	TOTAL (MBH)	HSPF/ COP @ AHR1	VOLT	PHASE	MCA	MDP	NOTES
HP-108	DAIKIN	RXT036TAVJA	34	23	VAR	18	34.8	10.3	208	1	17	20	15.8,10,11
HP-110	DAIKIN	RXT036TAVJA	34	23	VAR	18	34.8	10.3	208	1	17	20	15.8,10,11
HP-112	DAIKIN	RXT036TAVJA	34	23	VAR	18	34.8	10.3	208	1	17	20	15.8,10,11
HP-113	DAIKIN	RXT040TAVJA	56.7	39.4	VAR	18	50	10.2	208	1	29	35	15.8,10,11
HP-114	DAIKIN	RXT040TAVJA	56.7	39.4	VAR	18	50	10.2	208	1	29	35	15.8,10,11
HP-115	DAIKIN	RXT040TAVJA	56.7	39.4	VAR	18	50	10.2	208	1	29	35	15.8,10,11
HP-116	DAIKIN	RXT040TAVJA	56.7	39.4	VAR	18	50	10.2	208	1	29	35	15.8,10,11
HP-117	DAIKIN	RXT040TAVJA	56.7	39.4	VAR	18	50	10.2	208	1	29	35	15.8,10,11
HP-118	DAIKIN	RXT040TAVJA	56.7	39.4	VAR	18	50	10.2	208	1	29	35	15.8,10,11
HP-DOAS	DAIKIN	RXY014XAYDA	141	0	VAR	12.1	121	3.7	208	3	4.8	50	15.8,10,11

BLOWER COIL & HEAT PUMP UNIT SCHEDULE NOTES

- COOLING CAPACITIES BASED ON ARI STANDARDS, 95°F DB/74°F WB AMBIENT AIR & 80°F DB/67°F WB RETURN AIR.
- HEATING CAPACITIES BASED ON ARI STANDARDS, 32°F DB/30.7°F WB AMBIENT AIR.
- 2" DEEP FILTER RACK SHALL BE PROVIDED WITH UNIT.
- THERMOSTAT TO BE DAIKIN BR0373 7 DAY PROGRAMMABLE, WITH HEAT-OFF-COOL-AUTO SYSTEM SELECTION AND AUTO-ON FAN SWITCH. THERMOSTAT SHALL HAVE BATTERY BACK-UP POWER.
- OUTDOOR UNIT SHALL HAVE LOW AMBIENT CONTROLS, A HIGH PRESSURE SWITCH AND LOW PRESSURE SWITCH, AND HAIL GUARD.
- BLOWER COIL SHALL BE PROVIDED WITH SINGLE POINT POWER SUPPLY KIT.
- ELECTRIC HEAT KW SHALL BE PROVIDED AT SPECIFIED VOLTAGE AND PHASE AND MEET MIN. REQUIRED OUTPUT (INCREASE NOMINAL KW AS REQUIRED). PROVIDE WITH CIRCUIT BREAKER.
- PROVIDE UNIT WITH INTEGRAL BIRD SCREEN AND VENTILATION SCREEN.
- UNIT SHALL BE PROVIDED WITH AND INSTALLED ON STEEL SUPPORT STAND. SEE DETAIL 11 ON SHEET M2.1.
- UNIT SHALL BE PROVIDED WITH 5 YEAR WARRANTY.
- UNIT SHALL BE PROVIDED WITH AND INSTALLED ON STEEL SUPPORT STAND. SEE DETAIL 10 ON SHEET M2.1.

ENERGY RECOVERY VENTILATORS

MARK	MANUFACTURER	MODEL #	SUPPLY FAN (OUTSIDE AIR)				EXHAUST FAN (EXHAUST AIR)				POWER				EFFECTIVENESS		ERV LOCATION	NOTE
			CFM	E.S.P.	KW	AMPS	CFM	E.S.P.	KW	AMPS	VOLT	PHASE	MCA	MOP	SENSIBLE (%)	LATENT (%)		
ERV-1	OXYGEN8	C24IN-BP	2330	100	2.7	8.6	2330	100	2.7	8.6	208	3	14	20	65.8	45.6	MECH-190	1-9

ENERGY RECOVERY UNIT SCHEDULE NOTES

- ALL TEMPERATURES ARE IN DEGREES FAHRENHEIT.
- SUMMER: EAT 85°DB/78°WB, LAT 81°DB/75°WB
- WINTER: EAT 10°DB/11°WB, LAT 42°WB/54°WB
- UNIT MUST FIT THROUGH A 71" WIDE BY 79" TALL OPENING.
- VERIFY EXACT CONFIGURATION AND ORIENTATION WITH DRAWINGS.
- IT IS THE RESPONSIBILITY OF THE MANUFACTURER / SUPPLIER TO MAKE SURE ALL UNITS FIT IN THE REQUIRED SPACE INTENDED WITH RECOMMENDED MAINTENANCE AND ACCESS CLEARANCES. ANY CHANGES NEEDED WILL BE THE RESPONSIBILITY OF THE MANUFACTURER AT NO ADDITIONAL COST TO THE PROJECT.
- PROVIDE WITH SINGLE POINT POWER CONNECTION.
- ERV SHALL SIT ON STEEL STAND. SEE DETAIL 11 ON SHEET M2.1.
- 2" DEEP FILTER RACK SHALL BE PROVIDED WITH UNIT.

ELECTRIC HEATER SCHEDULE

MARK	MANUFACTURER	MODEL #	HEATER TYPE	UNIT/DUCT SIZE	VOLT	PHASE	MCA	MDP	AMPS	AREA SERVED	NOTES
DH-1	INDEECO	QUA	INLINE DUCT HEATER	22"x10"	208	3	22	62	61.07	AHU-1 POST HEAT	1,2,4,5,6
EH-1	INDEECO	9320U4800CW-D1	WALL CABINET (FAN FORCED)	14.5" W X 19.075" T	208	1	4.8	23	30	VEST. 10A	12,3,6

ELECTRIC HEATER SCHEDULE NOTES

- MAINTAIN ALL RECOMMENDED CLEARANCES FOR ACCESS.
- PROVIDE DISCONNECT SWITCH.
- PROVIDE WITH HEAVY GAUGE STEEL, RECESSED ROUGH-IN BOX, LOUVERED FRONT COVER (FINISH BY ARCH), SURFACE MOUNTING FRAME.
- PROVIDE WITH SCR CONTROLS, INLET AND DISCHARGE DUCT COLLARS.
- SEE DRAWINGS FOR EXACT CONFIGURATION AND COORDINATE AS REQUIRED PRIOR TO ORDERING. MAINTAIN ALL RECOMMENDED CLEARANCES FOR ACCESS.
- ELECTRIC HEAT KW SHALL BE PROVIDED AT SPECIFIED VOLTAGE AND PHASE AND MEET MIN. REQUIRED OUTPUT (INCREASE NOMINAL KW AS REQUIRED). PROVIDE WITH CIRCUIT BREAKER.

AIR HANDLING UNITS

MARK	MANUFACTURER	MODEL #	CFM	E.S.P. IN W.C.	VOLT	PHASE	MCA	MDP	LOCATION	NOTES
AHU-1	OXYGEN8	-	2330	1.0	208	3	3	15	MECH-190	12,3,4,5,6,7

COMPONENT POSITION	COMPONENT DESCRIPTION	ACCESS DOOR SIDE / SWING	FILTER	DRAIN PAN MATERIAL / CONNECTION SIDE	DX COIL INFORMATION			SENS. MBH	NOTES
					EAT	LAT	TOTAL		
1	DX COOLING	-	-	GALVANIZED RIGHT	81.8° DB / 70.6 WB	55° DB / 54° WB	500 FPM	128.7	69.0
2	DX HEATING	-	-	GALVANIZED RIGHT	42.6° DB	72° DB	500 FPM	73.9	-
	HOT GAS REHEAT	-	-	GALVANIZED RIGHT	55° DB	71° DB	500 FPM	40.2	-

AIR HANDLING UNIT SCHEDULE NOTES

- PROVIDE WITH (2) AHU INTEGRATION VALVE KITS (DAIKIN WKEWV50).
- PROVIDE WITH BACNET INTERFACE CARD AND INTEGRATE TO THE BMS.
- PROVIDE WITH SINGLE POINT ELECTRICAL CONNECTION.
- AHU SHALL SIT ON STEEL STAND. SEE DETAIL 11 ON SHEET M2.1.
- UNIT MUST FIT THROUGH A 71" WIDE BY 79" TALL OPENING.
- VERIFY EXACT CONFIGURATION AND ORIENTATION WITH DRAWINGS.
- IT IS THE RESPONSIBILITY OF THE MANUFACTURER / SUPPLIER TO MAKE SURE ALL UNITS FIT IN THE REQUIRED SPACE INTENDED WITH RECOMMENDED MAINTENANCE AND ACCESS CLEARANCES. ANY CHANGES NEEDED WILL BE THE RESPONSIBILITY OF THE MANUFACTURER AT NO ADDITIONAL COST TO THE PROJECT.

FRESH/ RELIEF AIR HOODS AND LOUVERS

MARK	MANUFACTURER	MODEL #
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ELECTRICAL SYMBOLS & ABBREVIATIONS

GENERAL NOTES

THIS LEGEND IS GENERAL IN NATURE, NOT ALL SYMBOLS SHOWN ARE USED
LIGHT SHADING INDICATES ITEM IS EXISTING
MOUNTING HEIGHTS ARE FROM ABOVE FINISHED FLOOR TO CENTER OF BOX, UNLESS NOTED OTHERWISE

① KEY NOTE DESIGNATION	Ⓢ KEY SWITCH @ 48" AFF
XXX-E EQUIPMENT DESIGNATION, REFER TO EQUIPMENT CONNECTION SCHEDULE	S ¹ SINGLE POLE SWITCH @ 48" AFF
S ² DOUBLE POLE SWITCH @ 48" AFF (IF SERVING MECHANICAL EQUIPMENT, LOCATE ADJACENT TO UNIT)	S ³ THREE WAY SWITCH @ 48" AFF
S ⁴ FOUR WAY SWITCH @ 48" AFF	SS ⁰ INBOARD/OUTBOARD SWITCH @ 48" AFF
S ^K KEY SWITCH @ 48" AFF	S ^H MOMENTARY CONTACT SWITCH @ 48" AFF
S ^P PILOT LIGHT SWITCH @ 48" AFF	S ^T TIMER SWITCH @ 48" AFF
STE MANUAL STARTER WITH TOGGLE - PROVIDE THERMAL ELEMENT IF MOTOR IS NOT INTERNALLY PROTECTED START/STOP SWITCH @ 48" AFF	D DIMMER @ 48" AFF
Ⓢ CEILING MOUNT LIGHT FIXTURE - NUMBER INDICATES DESIGNATION, REFER TO LIGHT FIXTURE SCHEDULE	Ⓢ CEILING MOUNT LIGHT FIXTURE WITH EMERGENCY BALLAST - NUMBER INDICATES DESIGNATION, REFER TO LIGHT FIXTURE SCHEDULE
Ⓢ WALL MOUNT LIGHT FIXTURE - NUMBER INDICATES DESIGNATION, REFER TO LIGHT FIXTURE SCHEDULE	Ⓢ WALL MOUNT LIGHT FIXTURE WITH EMERGENCY BALLAST - NUMBER INDICATES DESIGNATION, REFER TO LIGHT FIXTURE SCHEDULE
Ⓢ FLOURESCENT/LED LIGHT FIXTURE - NUMBER INDICATES DESIGNATION, REFER TO LIGHT FIXTURE SCHEDULE	Ⓢ FLOURESCENT/LED LIGHT FIXTURE WITH EMERGENCY POWER SOURCE - NUMBER INDICATES DESIGNATION, REFER TO LIGHT FIXTURE SCHEDULE
Ⓢ CEILING MOUNT, SINGLE FACE EXIT SIGN - ARROW INDICATES DIRECTION - NUMBER INDICATES DESIGNATION, REFER TO LIGHT FIXTURE SCHEDULE	Ⓢ CEILING MOUNT, DOUBLE FACE EXIT SIGN - ARROW INDICATES DIRECTION - NUMBER INDICATES DESIGNATION, REFER TO LIGHT FIXTURE SCHEDULE
Ⓢ WALL MOUNT EXIT SIGN - ARROW INDICATES DIRECTION - NUMBER INDICATES DESIGNATION, REFER TO LIGHT FIXTURE SCHEDULE	Ⓢ COMBINATION EXIT SIGN AND EMERGENCY LIGHTING UNIT - NUMBER INDICATES DESIGNATION, REFER TO LIGHT FIXTURE SCHEDULE
Ⓢ EMERGENCY LIGHTING UNIT - NUMBER INDICATES DESIGNATION, REFER TO LIGHT FIXTURE SCHEDULE	Ⓢ TRACK LIGHTING - NUMBER INDICATES DESIGNATION, REFER TO LIGHT FIXTURE SCHEDULE
Ⓢ CEILING FAN - NUMBER INDICATES DESIGNATION, REFER TO LIGHT FIXTURE SCHEDULE	Ⓢ POLE MOUNT LIGHT FIXTURE - NUMBER INDICATES TYPE, REFER TO LIGHT FIXTURE SCHEDULE
Ⓢ CEILING MOUNT OCCUPANCY SENSOR - NUMBER INDICATES DESIGNATION, REFER TO OCCUPANCY SENSOR SCHEDULE	Ⓢ WALL MOUNT OCCUPANCY SENSOR - ARROW INDICATES DIRECTION - NUMBER INDICATES DESIGNATION, REFER TO OCCUPANCY SENSOR SCHEDULE
Ⓢ SIMPLEX RECEPTACLE @ 18" AFF	Ⓢ DUPLEX RECEPTACLE @ 18" AFF
Ⓢ SPECIAL RECEPTACLE @ 18" AFF	Ⓢ QUADPLEX RECEPTACLE @ 18" AFF
Ⓢ HORIZONTAL DUPLEX RECEPTACLE @ 44" AFF	Ⓢ ISOLATED GROUND DUPLEX RECEPTACLE @ 18" AFF
Ⓢ SPLIT DUPLEX RECEPTACLE @ 18" AFF	Ⓢ CEILING MOUNT OR SUSPENDED DUPLEX RECEPTACLE
Ⓢ FLOOR RECEPTACLE	Ⓢ COMBINATION FLOOR BOX
Ⓢ TELEPHONE OUTLET @ 18" AFF - ROUTE 1 1/4" CONDUIT TO ABOVE ACCESSIBLE CEILING, UNLESS NOTED OTHERWISE	Ⓢ DATA OUTLET @ 18" AFF - ROUTE 1 1/4" CONDUIT TO ABOVE ACCESSIBLE CEILING, UNLESS NOTED OTHERWISE
Ⓢ COMBINATION TELEPHONE/DATA OUTLET @ 18" AFF - NUMBERS INDICATE JACKS REQUIRED NO NUMBER INDICATES ONE (1) JACK - ROUTE 1" CONDUIT TO ABOVE ACCESSIBLE CEILING, UNLESS NOTED OTHERWISE	Ⓢ FUSIBLE DISCONNECT SWITCH @ 54" AFF
Ⓢ NON-FUSIBLE DISCONNECT SWITCH @ 54" AFF	Ⓢ MOTOR STARTER @ 54" AFF
Ⓢ COMBINATION STARTER @ 54" AFF	Ⓢ ENCLOSED CIRCUIT BREAKER
Ⓢ PLUGMOLD RACEWAY MULTIOUTLET SYSTEM	Ⓢ PAD MOUNT TRANSFORMER
Ⓢ DRY TRANSFORMER	Ⓢ TELEPHONE PEDESTAL
Ⓢ TELEVISION PEDESTAL	Ⓢ WIRELESS ACCESS POINT

Ⓢ BELL - STAND ALONE DEVICE OR CONNECTED TO MASTER CLOCK	Ⓢ CLOCK - STAND ALONE DEVICE OR CONNECTED TO MASTER CLOCK	—USE— UNDERGROUND SECONDARY ELECTRICAL SERVICE
Ⓢ DUCT SMOKE DETECTOR	Ⓢ DOOR CONTACT	— — — CONDUIT OR RACEWAY TO BE REMOVED
Ⓢ MOTOR CONNECTION	Ⓢ PUSH BUTTON @ 48" AFF	A AMPERES
Ⓢ CEILING MOUNT RECEIVER	Ⓢ CEILING MOUNT SPEAKER	AF ABOVE FINISHED FLOOR
Ⓢ TELEVISION OUTLET @ 18" AFF - ROUTE 1" CONDUIT TO ABOVE ACCESSIBLE CEILING, UNLESS NOTED OTHERWISE	Ⓢ PHOTO CONTROLLER	AFG ABOVE FINISHED GRADE
Ⓢ WALL MOUNT SPEAKER, @ 94" AFF TO BOTTOM OF SPEAKER OR WIREGUARD WHEN CEILINGS ARE -12" @ 120" AFF WHEN CEILINGS ARE -12" - ROUTE 3/4" TO ABOVE ACCESSIBLE CEILING, UNLESS NOTED OTHERWISE	Ⓢ DIGITAL PUSHBUTTON LIGHTING CONTROL STATION, LETTER INDICATES TYPE @ 48" AFF	AFI ARC FAULT CIRCUIT INTERRUPTER
Ⓢ BOLLER SHUTDOWN SWITCH @ 48" AFF	Ⓢ CARD READER @ 48" AFF	ATS AUTOMATIC TRANSFER SWITCH
Ⓢ ELECTRIC STRIKE	Ⓢ MAGNETIC DOOR HOLDER	AWG AMERICAN WIRE GAUGE
Ⓢ INTERCOM CALL-IN SWITCH @ 48" AFF	Ⓢ JUNCTION BOX @ 18" AFF - ROUTE 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING, UNLESS NOTED OTHERWISE	BFG BELOW FINISH GRADE
Ⓢ KEYPAD @ 48" AFF	Ⓢ MICROPHONE OUTLET @ 18" AFF	C CONDUIT
Ⓢ MAGNETIC LOCK	Ⓢ PANIC BUTTON	CATV CABLE TELEVISION
Ⓢ RELAY	Ⓢ REQUEST TO RELEASE ACTUATOR	CCTV CLOSED-CIRCUIT TELEVISION
Ⓢ VOLUME CONTROL @ 48" AFF	Ⓢ FIRE ALARM PULL STATION @ 48" AFF TO TOP	CLG CEILING
Ⓢ FIRE ALARM FLASHING STROBE LIGHT @80" AFF TO BOTTOM OR 6" BELOW CEILING	Ⓢ CEILING MOUNT FIRE ALARM FLASHING STROBE LIGHT	CO CARBON MONOXIDE
Ⓢ FIRE ALARM HORN AND FLASHING STROBE LIGHT @80" AFF TO BOTTOM OR 6" BELOW CEILING	Ⓢ CEILING MOUNT FIRE ALARM HORN AND FLASHING STROBE LIGHT	CU COPPER
Ⓢ CEILING MOUNT FIRE ALARM HORN AND FLASHING STROBE LIGHT @80" AFF TO BOTTOM OR 6" BELOW CEILING	Ⓢ CEILING MOUNT FIRE ALARM SPEAKER AND FLASHING STROBE LIGHT	D INDICATES ITEM TO BE DEMOLISHED
Ⓢ FIRE ALARM HORN @80" AFF TO BOTTOM OR 6" BELOW CEILING	Ⓢ SMOKE DETECTOR	E INDICATES EXISTING ITEM
Ⓢ THERMAL HEAT DETECTOR	Ⓢ TAMPER SWITCH	EH EMERGENCY
Ⓢ POST INDICATOR VALVE	Ⓢ SINGLE BED CALL LIGHT	EMD ESTIMATED MAXIMUM DEMAND
Ⓢ DOUBLE BED CALL LIGHT	Ⓢ CLOSED CIRCUIT TELEVISION CAMERA	EMT ELECTRICAL METALLIC TUBING
Ⓢ DOOR CHIME @ 80" AFF	Ⓢ SURFACE MOUNT, LIGHTING AND APPLIANCE PANELBOARD @ 72" AFF TO TOP - LETTER INDICATES DESIGNATION - HATCHING INDICATES REQUIRED CLEARANCE	ERCS EMERGENCY RESPONDER COMMUNICATIONS
Ⓢ POWER DISTRIBUTION PANELBOARD - LETTER INDICATES DESIGNATION - HATCHING INDICATES REQUIRED CLEARANCE	Ⓢ POWER DISTRIBUTION PANELBOARD - LETTER INDICATES DESIGNATION - HATCHING INDICATES REQUIRED CLEARANCE	ERRCS EMERGENCY RESPONDER RADIO COMMUNICATIONS SYSTEM
Ⓢ CONDUIT IN WALL OR CEILING - SYMBOL REPRESENTS UNSWITCHED CIRCUIT	Ⓢ DATA RACEWAY	EXP EXPLOSION PROOF
Ⓢ DATA & TELEPHONE RACEWAY	Ⓢ EMERGENCY CIRCUIT	F FRACTIONAL
Ⓢ FIBER OPTICS RACEWAY	Ⓢ GENERATOR POWER OUTPUT	FA FIRE ALARM
Ⓢ OVERHEAD SECONDARY ELECTRICAL SERVICE	Ⓢ TELEPHONE RACEWAY	FAAP FIRE ALARM ANNUNCIATOR PANEL
Ⓢ TELEVISION RACEWAY	Ⓢ CONDUIT TO BE CONCEALED UNDER FLOOR	FACP FIRE ALARM CONTROL PANEL
Ⓢ UNDERGROUND ELECTRICAL	Ⓢ UNDERGROUND PRIMARY ELECTRICAL SERVICE	FSEC FOOD SERVICE EQUIPMENT CONTRACTOR
		GND GROUND

ELECTRICAL GENERAL NOTES

DEMOLITION GENERAL NOTES

- A. THESE PLANS REPRESENT THE BEST INFORMATION AVAILABLE DURING ON-SITE INVESTIGATION AND/OR EXISTING DRAWINGS. THERE MAY BE MORE DEVICES TO BE REMOVED THAN SHOWN. THE ELECTRICAL CONTRACTOR SHALL VISIT THE JOBSITE PRIOR TO SUBMITTING A BID. THE BUILDING NEEDS TO REMAIN FUNCTIONAL DURING ALL PHASES OF CONSTRUCTION. COORDINATE ALL REQUIREMENTS WITH THE OWNER AND ARCHITECT. MAINTAIN THE INTEGRITY OF ALL DEVICES NOT REQUIRED TO BE REMOVED.
- B. ALL DASHED ITEMS AND ITEMS NOTED WITH 'D' SHALL BE REMOVED IN THEIR ENTIRETY. THIS INCLUDES WIRING DEVICES, CONDUIT/RACEWAY, J-BOXES, AND ALL ASSOCIATED WIRING/CABLING TO EXTENT POSSIBLE.
- C. EXISTING ITEMS SHOWN IN LIGHT SHADE ARE TO REMAIN AND SHALL BE PROTECTED. ALL DEVICES SHOWN WITH 'R' ARE TO BE REMOVED AND RELOCATED. RETEST ALL AFFECTED DEVICES TO MAINTAIN CIRCUIT INTEGRITY OF ALL EXISTING CIRCUITS AND CONNECTIONS.
- D. EXISTING ELECTRICAL CONDUIT WHICH IS NOT CONCEALED IN WALLS OR FLOOR SLAB AND WHICH IS NOT BEING REUSED SHALL BE REMOVED. WIRING SHALL BE REMOVED AND ABANDONED CONDUIT SHALL BE CUT OFF FLUSH WHERE IT ENTERS THE FLOOR OR WALL AND SEALED. EXISTING CONDUIT TO REMAIN SHALL BE SUPPORTED.
- E. WHERE DEVICES ARE TO BE REMOVED FROM EXISTING SURFACES OR ABANDONED, THE CONTRACTOR SHALL INSTALL BLANK STAINLESS STEEL WALL PLATES. EXTRA CARE SHOULD BE TAKEN NOT TO DAMAGE EXISTING SURFACES OR FINISHES. ALL REPAIR COSTS SHALL BE AT THE EXPENSES OF THE CONTRACTOR. REPAIR ALL HOLES FROM THE REMOVAL OF ELECTRICAL ITEMS AND PATCH/PAINT TO MATCH EXISTING.
- F. ALL NEW WIRING/CONDUITS SHALL BE CONCEALED IN NEW WALLS AND ALSO IN EXISTING WALLS WHERE POSSIBLE. EVERY EFFORT SHALL BE MADE TO CONCEAL WIRING IN EXISTING WALLS. 3/4" FLEXIBLE METALLIC CONDUIT MAY BE USED AND ROUTED THROUGH EXISTING WALLS. BOXES SHALL BE CUT IN AND RECESSED WHERE POSSIBLE. SURFACE MOUNT CONDUIT INSTALLATIONS ARE ACCEPTABLE ONLY IN UNFINISHED AREAS, UNLESS OTHERWISE NOTED OTHERWISE. CONCEALED RACEWAYS ARE REQUIRED EXCEPT WHERE SURFACE MOUNTED RACEWAYS ARE SHOWN.
- G. SURFACE INSTALLATIONS IN FINISHED AREAS SHALL BE PERMITTED ONLY IF ABSOLUTELY NECESSARY. IF IT IS NOT PHYSICALLY POSSIBLE OR PRACTICAL TO CONCEAL RACEWAYS, THE CONTRACTORS SHALL BE PREPARED TO FURNISH AND INSTALL ONE-PIECE STEEL SURFACE RACEWAY, WIREMOLD 100 SERIES OR EQUAL, WITH COLOR SELECTED BY ARCHITECT. FOR NEW DEVICES SHOWN ON EXISTING GYP-DROD WALLS, CONTRACTOR SHALL BE CUT NEW RECESSED REMODEL J-BOX INTO WALL AND ROUTE 3/4" FLEXIBLE METALLIC CONDUIT INSIDE WALL FROM J-BOX TO ABOVE CEILING TO ACCESSIBLE AREA. CONDUIT ENDS SHALL BE REAMED AND FREE OF BURNS. SURFACE MOUNT EXT IS ACCEPTABLE IN UNFINISHED AREAS.
- H. NEW BOXES SHALL BE CUT IN & RECESSED WHERE POSSIBLE. ELECTRICAL CONTRACTOR SHALL MAKE EVERY EFFORT TO CONCEAL NEW RACEWAYS IN EXISTING WALLS (3/4" FMC WILL BE PERMITTED). CONCEALED RACEWAYS WILL BE DEMOLISHED IN UNFINISHED AREAS ONLY. CONCEALED RACEWAYS ARE REQUIRED EXCEPT WHERE SURFACE MOUNTED RACEWAYS ARE SHOWN.
- I. IF IT IS NOT PHYSICALLY POSSIBLE OR PRACTICAL TO CONCEAL RACEWAYS, ELECTRICAL CONTRACTOR SHALL BE PREPARED TO FURNISH/INSTALL ONE-PIECE STEEL SURFACE RACEWAY, WIREMOLD 100 SERIES OR EQUAL. COLOR TO BE APPROVED BY OWNER.
- J. PATCH, REPAIR, PAINT WALLS WHERE DEVICES HAVE BEEN REMOVED. PROVIDE IVORY COVERPLATES OVER UNUSED OR ABANDONED J-BOXES.
- K. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CUTTING, PATCHING AND REPAIRING OF EXISTING WALLS WHERE NEW DEVICES/CONDUIT ARE TO BE INSTALLED RECESSED.
- L. ALL ABANDONED AND UNUSED CABLING SHALL BE REMOVED UNLESS LABELED FOR FUTURE USE AND SUPPORTED BACK TO SOURCES. CONTRACTOR TO VISIT SITE PRIOR TO BIDDING FOR FIELD CONDITIONS.
- M. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CUTTING, PATCHING AND REPAIRING OF EXISTING WALLS WHERE NEW DEVICES/CONDUIT ARE TO BE INSTALLED RECESSED.
- N. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CUTTING, PATCHING AND REPAIRING OF EXISTING WALLS WHERE NEW DEVICES/CONDUIT ARE TO BE INSTALLED RECESSED.
- O. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CUTTING, PATCHING AND REPAIRING OF EXISTING WALLS WHERE NEW DEVICES/CONDUIT ARE TO BE INSTALLED RECESSED.
- P. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CUTTING, PATCHING AND REPAIRING OF EXISTING WALLS WHERE NEW DEVICES/CONDUIT ARE TO BE INSTALLED RECESSED.
- Q. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CUTTING, PATCHING AND REPAIRING OF EXISTING WALLS WHERE NEW DEVICES/CONDUIT ARE TO BE INSTALLED RECESSED.
- R. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CUTTING, PATCHING AND REPAIRING OF EXISTING WALLS WHERE NEW DEVICES/CONDUIT ARE TO BE INSTALLED RECESSED.
- S. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CUTTING, PATCHING AND REPAIRING OF EXISTING WALLS WHERE NEW DEVICES/CONDUIT ARE TO BE INSTALLED RECESSED.
- T. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CUTTING, PATCHING AND REPAIRING OF EXISTING WALLS WHERE NEW DEVICES/CONDUIT ARE TO BE INSTALLED RECESSED.
- U. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CUTTING, PATCHING AND REPAIRING OF EXISTING WALLS WHERE NEW DEVICES/CONDUIT ARE TO BE INSTALLED RECESSED.
- V. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CUTTING, PATCHING AND REPAIRING OF EXISTING WALLS WHERE NEW DEVICES/CONDUIT ARE TO BE INSTALLED RECESSED.
- W. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CUTTING, PATCHING AND REPAIRING OF EXISTING WALLS WHERE NEW DEVICES/CONDUIT ARE TO BE INSTALLED RECESSED.
- X. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CUTTING, PATCHING AND REPAIRING OF EXISTING WALLS WHERE NEW DEVICES/CONDUIT ARE TO BE INSTALLED RECESSED.
- Y. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CUTTING, PATCHING AND REPAIRING OF EXISTING WALLS WHERE NEW DEVICES/CONDUIT ARE TO BE INSTALLED RECESSED.
- Z. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CUTTING, PATCHING AND REPAIRING OF EXISTING WALLS WHERE NEW DEVICES/CONDUIT ARE TO BE INSTALLED RECESSED.

SITE PLAN GENERAL NOTES

- A. IN COMPLIANCE WITH STATE AND LOCAL JURISDICTIONS, CONTACT THE UTILITY LOCATING SERVICE/DIGGERS HOTLINE. THIS SHOULD BE DONE A MINIMUM OF 48 HOURS, EXCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS, PRIOR TO ACTUAL NEED, TO ARRANGE FOR LOCATION OF UNDERGROUND UTILITY CABLES AND EQUIPMENT. ACTUAL LOCATING OF THE CABLES AND EQUIPMENT WILL THEN BE DONE BY EACH UTILITY. GENERAL SERVICE OR RESIDENTIAL CUSTOMERS MUST MAKE SEPARATE ARRANGEMENTS FOR LOCATION OF THEIR NON-UTILITY-OWNED UNDERGROUND FACILITIES SITUATED UPON THEIR OWN PROPERTY.
- B. UTILITY LOCATIONS ARE SUBJECT TO INTERPRETATION. LOCATIONS ARE APPROXIMATE AND NO GUARANTEE IS MADE OR IMPLIED AS TO THEIR ACCURACY. FURTHER VERIFICATION MAY BE REQUIRED TO IDENTIFY UTILITIES. CONTACT LOCAL UTILITY COMPANIES FOR REQUIREMENTS. COORDINATION ON CONDUIT AND/OR CABLE SHALL BE DONE PRIOR TO INSTALLATION. ALL INSTALLATIONS MUST BE INSTALLED PER LOCAL UTILITY STANDARDS AND INSPECTED PRIOR TO BEING COVERED.
- C. CONTRACTOR SHALL INCUR ALL COSTS FOR CLEARING EITHER OVERHEAD OR UNDERGROUND ROUTES, INCLUDING TREE REMOVAL, BUILDING AND/OR FOUNDATION OR RUBBLE REMOVAL, ANY OTHER OBSTACLES ENCOUNTERED, AND ALL SITE WORK REQUIRED BY LOCAL UTILITIES.
- D. CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS WITH LOCAL UTILITY COMPANY REGARDING AID-TO-CONSTRUCTION COSTS. AID TO CONSTRUCTION COSTS SHALL BE INCLUDED AS AN ALLOWANCE AND NOT PART OF THE CONTRACTOR BID.
- E. IF HAZARDOUS MATERIALS ARE ENCOUNTERED, STOP WORK IMMEDIATELY AND INFORM THE OWNER'S REPRESENTATIVE IN WRITING AND VERBALLY. THE OWNER'S REPRESENTATIVE WILL THEN BE RESPONSIBLE TO TAKE APPROPRIATE ACTIONS.
- F. REFER TO ELECTRICAL/TELECOM RISER DIAGRAMS FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SITE WORK REQUIRED BY LOCAL UTILITIES.

LIGHTING GENERAL NOTES

- A. CONNECT EACH EXIT/EMERGENCY FIXTURE TO THE LOCAL UNSWITCHED LIGHTING CIRCUIT.
- B. PROVIDE A SEPARATE NEUTRAL WIRE FOR ALL DIMMED LIGHTING CIRCUITS AND DIMMED ZONES SHARING THE SAME CIRCUIT.

POWER/SPECIAL SYSTEMS GENERAL NOTES

- A. PROVIDE A 6"x4"x2 1/8" DEEP J-BOX WITH 1 1/4" C. STUBBED TO ABOVE CEILING TO ACCESSIBLE AREA FOR ALL TELECOMMUNICATION OUTLET LOCATIONS SHOWN. PROVIDE A PULLSTRING IN EACH CONDUIT. CABLING AND TERMINATIONS ARE BY CONTRACTOR UNLESS NOTED OTHERWISE.
- B. SECURITY SYSTEM, ALL RESPECTIVE DEVICES, CABLING, & EQUIPMENT, AND RACEWAYS ARE BY CONTRACTOR.
- C. COORDINATE DEVICES TO BE INSTALLED IN MILLWORK WITH MILLWORK CONTRACTOR.
- D. VERIFY LOCATION AND COORDINATE REQUIREMENTS OF ALL EQUIPMENT SUPPLIES, ETC. PRIOR TO INSTALLATION.
- E. EACH BRANCH CIRCUIT SHALL HAVE A SEPARATE NEUTRAL WIRE. ONE GREEN EQUIPMENT GROUND WIRE SHALL BE INSTALLED IN EACH CONDUIT WITH (3) OR LESS BRANCH CIRCUITS.
- F. THIS CONTRACTOR SHALL FURNISH AND INSTALL DUCT SMOKE DETECTORS AND SHUTDOWN RELAYS FOR EACH SUPPLY DUCT IF 200CFM OR GREATER AND ALSO EACH RETURN DUCT IF 9000 CFM OR GREATER. COORDINATE ALL EQUIPMENT REQUIREMENTS AND LOCATIONS WITH MECHANICAL CONTRACTOR PRIOR TO BIDDING.
- G. PROVIDE SMOKE DETECTOR AT EVERY FIRE ALARM CONTROL PANEL PAD EXTENDER (WITHIN 5-FT.). CONTRACTOR TO DETERMINE LOCATIONS BASED ON POWER REQUIREMENTS AND VOLTAGE DROP.
- H. FIRE ALARM CONTRACTOR TO INCLUDE COST AND TIME OF PERFORMING A RADIO FREQUENCY (RF) TEST FOR THE BUILDING AFTER THE CORE, SHELL, WINDOWS, AND DOORS ARE COMPLETED, TO DETERMINE IF AN EXEES IS NEEDED, AS REQUIRED BY THE LOCAL A.H. EXEES SHALL BE DESIGNED BY AN RF SYSTEM DESIGNER AND INSTALLED ACCORDING TO THE LATEST NFPA AND IFC REQUIREMENTS AND APPROVED BY THE A.H. AND FREQUENCY LICENSE HOLDER.
- I. THE CONTROLS CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR COORDINATION WITH THE MECHANICAL AND ELECTRICAL CONTRACTORS TO PROVIDE AND INSTALL SYSTEMS AS SPECIFIED. THE CONTROLS CONTRACTOR IS RESPONSIBLE FOR ALL CONDUIT AND WIRE NOT SHOWN ON MECHANICAL AND ELECTRICAL DOCUMENTS BUT THAT ARE REQUIRED FOR A FULLY FUNCTIONAL SYSTEM.
- J. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR ON ALL ELECTRICAL REQUIREMENTS PERTAINING TO MECHANICAL EQUIPMENT AND CONNECTIONS PRIOR TO ORDERING OF EQUIPMENT AND INSTALLATION. CHANGES AND MODIFICATIONS TO THIS EQUIPMENT THAT MAY REQUIRE CIRCUIT BREAKER AND WIRE/CONDUIT CHANGES SHALL BE COMMUNICATED TO ALL PARTIES WITH THE CONTRACTOR(S) INCLUDING THIS IN THEIR RESPECTIVE SCOPE OF WORK. THERE SHALL BE NO ADDITIONAL COST TO THE OWNER FOR THESE MODIFICATIONS.
- K. ALL 120V KITCHEN RECEPTACLES SHALL BE GFI PROTECTED.
- L. PROVIDE GFI RECEPTACLES AT OTHER LOCATIONS AS REQUIRED BY THE NEC.
- M. PROVIDE TAMPER PROOF RECEPTACLES IN LOCATIONS REQUIRED BY THE NEC.
- N. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CUTTING, PATCHING AND REPAIRING OF EXISTING WALLS WHERE NEW DEVICES/CONDUIT ARE TO BE INSTALLED RECESSED.
- O. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CUTTING, PATCHING AND REPAIRING OF EXISTING WALLS WHERE NEW DEVICES/CONDUIT ARE TO BE INSTALLED RECESSED.
- P. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CUTTING, PATCHING AND REPAIRING OF EXISTING WALLS WHERE NEW DEVICES/CONDUIT ARE TO BE INSTALLED RECESSED.
- Q. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CUTTING, PATCHING AND REPAIRING OF EXISTING WALLS WHERE NEW DEVICES/CONDUIT ARE TO BE INSTALLED RECESSED.
- R. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CUTTING, PATCHING AND REPAIRING OF EXISTING WALLS WHERE NEW DEVICES/CONDUIT ARE TO BE INSTALLED RECESSED.
- S. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CUTTING, PATCHING AND REPAIRING OF EXISTING WALLS WHERE NEW DEVICES/CONDUIT ARE TO BE INSTALLED RECESSED.
- T. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CUTTING, PATCHING AND REPAIRING OF EXISTING WALLS WHERE NEW DEVICES/CONDUIT ARE TO BE INSTALLED RECESSED.
- U. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CUTTING, PATCHING AND REPAIRING OF EXISTING WALLS WHERE NEW DEVICES/CONDUIT ARE TO BE INSTALLED RECESSED.
- V. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CUTTING, PATCHING AND REPAIRING OF EXISTING WALLS WHERE NEW DEVICES/CONDUIT ARE TO BE INSTALLED RECESSED.
- W. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CUTTING, PATCHING AND REPAIRING OF EXISTING WALLS WHERE NEW DEVICES/CONDUIT ARE TO BE INSTALLED RECESSED.
- X. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CUTTING, PATCHING AND REPAIRING OF EXISTING WALLS WHERE NEW DEVICES/CONDUIT ARE TO BE INSTALLED RECESSED.
- Y. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CUTTING, PATCHING AND REPAIRING OF EXISTING WALLS WHERE NEW DEVICES/CONDUIT ARE TO BE INSTALLED RECESSED.
- Z. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CUTTING, PATCHING AND REPAIRING OF EXISTING WALLS WHERE NEW DEVICES/CONDUIT ARE TO BE INSTALLED RECESSED.

PROJECT GENERAL NOTES

- A. ALL SHEETS REQUESTED IN CAD (DWG) FORMAT SHALL BE PROVIDED IN ACD 2006 AT A CHARGE OF \$25/SHEET (MINIMUM \$50) FOR FIRE ALARM, TELECOMMUNICATIONS, AND SECURITY EQUIPMENT CONTRACTORS AND FOR LIGHTING FIXTURE MANUFACTURER REPRESENTATIVES. ALL OTHERS REQUESTING CAD FILES SHALL BE CHARGED \$25/SHEET (MINIMUM \$250) PRIOR TO TRANSMISSION OF FILES. THE REQUESTING PARTY MUST SIGN AND RETURN "DOCUMENT DISCLAIMER" TO AES.
- B. THE ENTIRE INSTALLATION SHOWN IN THE CONSTRUCTION DOCUMENTS (CDS) SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, CITY, STATE AND NATIONAL CODES, LAWS, ACTS AND ORDINANCES AND ALL AUTHORITIES HAVING JURISDICTION, THE OWNERS INSURANCE COMPANY REQUIREMENTS, UTILITY COMPANY REQUIREMENTS, APPLICABLE INDUSTRY STANDARDS OF GOOD PRACTICE AND SAFETY, THE MANUFACTURER'S STRICTEST REQUIREMENTS AND RECOMMENDATIONS FOR EQUIPMENT AND PRODUCT APPLICATION AND INSTALLATION. IN THE EVENT OF CONFLICT BETWEEN THESE CONTRACT DOCUMENTS AND GOVERNING LAWS, THE MORE STRICT SHALL APPLY. ALL COSTS REQUIRED SHOULD BE INCLUDED IN THE BIDS.
- C. DRAWINGS ARE LARGELY SCHEMATIC IN NATURE AND SHALL BE ADAPTED TO ACTUAL SITE CONDITIONS AND OWNER'S REQUIREMENTS AT NO ADDITIONAL COST. THOUGH A LOT OF DETAILS MAY BE SHOWN THEY ARE NOT INTENDED TO SHOW EVERY DETAIL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL CONTRACT DOCUMENTS AND TO COORDINATE WITH ALL OTHER TRADES AND EXISTING/SITE CONDITIONS TO PROVIDE A FULLY FUNCTIONAL SYSTEM PER THE INTENT OF DESIGN. ALL REQUIRED SUPPORTS AND SYSTEMS SHALL BE PROVIDED FOR A FULLY FUNCTIONAL SYSTEM PER THE DESIGN INTENT, AS DETERMINED BY THE ARCHITECT AND ENGINEER.
- D. ALL EQUIPMENT SHALL BE PROPERLY ALIGNED, LUBRICATED AND OILED BEFORE START UP AND FINAL ACCEPTANCE BY OWNER. OIL/GREASE FILL PORTS SHALL BE VERTICAL AND EXTENSION FITTINGS SHALL BE PROVIDED AS REQUIRED FOR ACCESS FROM EXTERIOR OF UNIT.
- E. ALL EQUIPMENT SHALL BE THOROUGHLY CLEANED AND ALL BARE, SCRATCHED OR MARRED AREAS SHALL BE PAINTED WITH FACTORY PAINT OR AN OWNER APPROVED EQUAL.
- F. IN A MANNER SATISFACTORY TO THE OWNER'S REPRESENTATIVE, TOUCH-UP OR REFINISH FACTORY-APPLIED PAINTS OR FINISHES WHICH ARE CHIPPED, DETAILED, SCRATCH, OR IN ANY OTHER WAY DISTURBED DUE TO HANDLING, INSTALLATION, OR GENERAL CONSTRUCTION WORK.
- G. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN UP DURING AND AT CONCLUSION OF CONSTRUCTION PERIOD. NO MATERIALS SHALL BE LEFT ON SITE WHEN WORK IS COMPLETED, UNLESS REQUESTED BY OWNER'S REPRESENTATIVE. ALL MATERIALS SHALL BE DISPOSED OF PROPERLY.
- H. CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING ANY HOLES IN EXISTING/NEW BEAMS THAT ARE REQUIRED FOR ROUTING PIPING/DUCT/CONDUIT. ALL HOLES TO BE MADE IN THE MIDDLE THIRD HEIGHT AND WIDTH WISE OF THE BEAMS. COORDINATE WITH STRUCTURAL ENGINEER/GENERAL CONTRACTOR BEFORE CUTTING.

SHEET LIST - ELECTRICAL

SHEET NUMBER	SHEET NAME
E0.0	ELECTRICAL GENERAL PROJECT NOTES & SYMBOLS
E01.0	OVERALL BUILDING DEMO - ELEC EQUIPMENT PLANS - LOWER & MAIN LEVELS
E01.1	ARTS & HUMANITIES SCHOOL, OT/PT, CONFERENCE & STORAGE DEMO LIGHTING
E02.1	ARTS & HUMANITIES SCHOOL, OT/PT, CONFERENCE & STORAGE DEMO POWER
E03.1	EX. PANEL SCHEDULES (A&H, OT/PT AREAS)
E03.2	EX. PANEL SCHEDULES (OVERALL BLDG)
E1.0	OVERALL BUILDING NEW - ELEC EQUIPMENT PLANS - LOWER & MAIN LEVELS
E1.1	ARTS & HUMANITIES SCHOOL, OT/PT, CONFERENCE & STORAGE LIGHTING
E2.1	ARTS & HUMANITIES SCHOOL, OT/PT, CONFERENCE & STORAGE POWER
E3.1	ELECTRICAL & LIGHTING SCHEDULES
E4.1	ELECTRICAL RISER DIAGRAMS & DETAILS
E5.1	ELECTRICAL DETAILS
E5.2	A/V SCHEMATIC



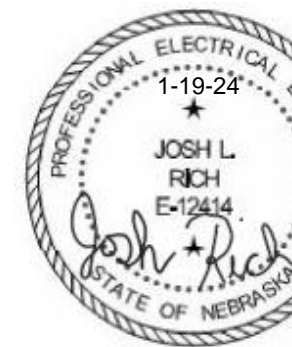
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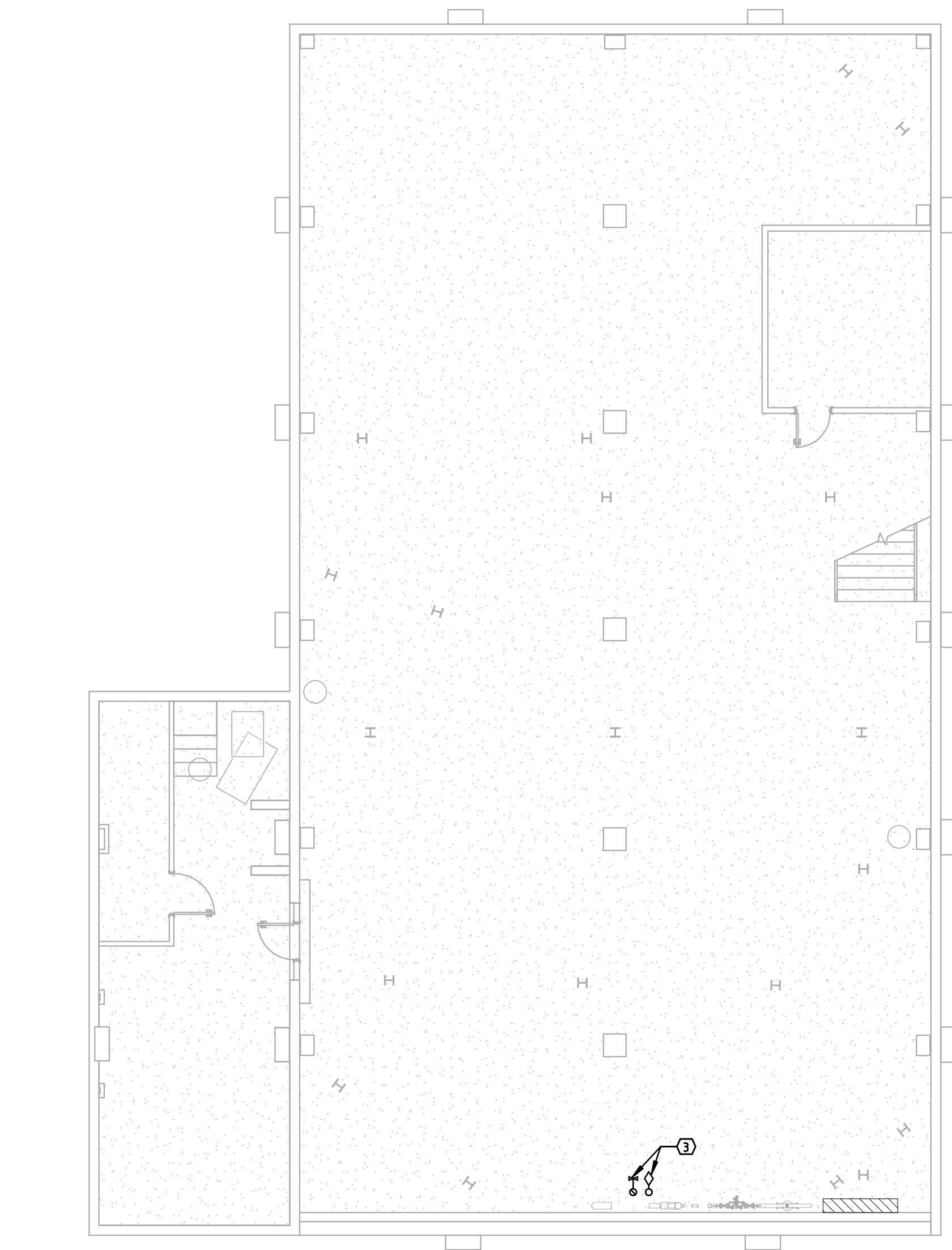


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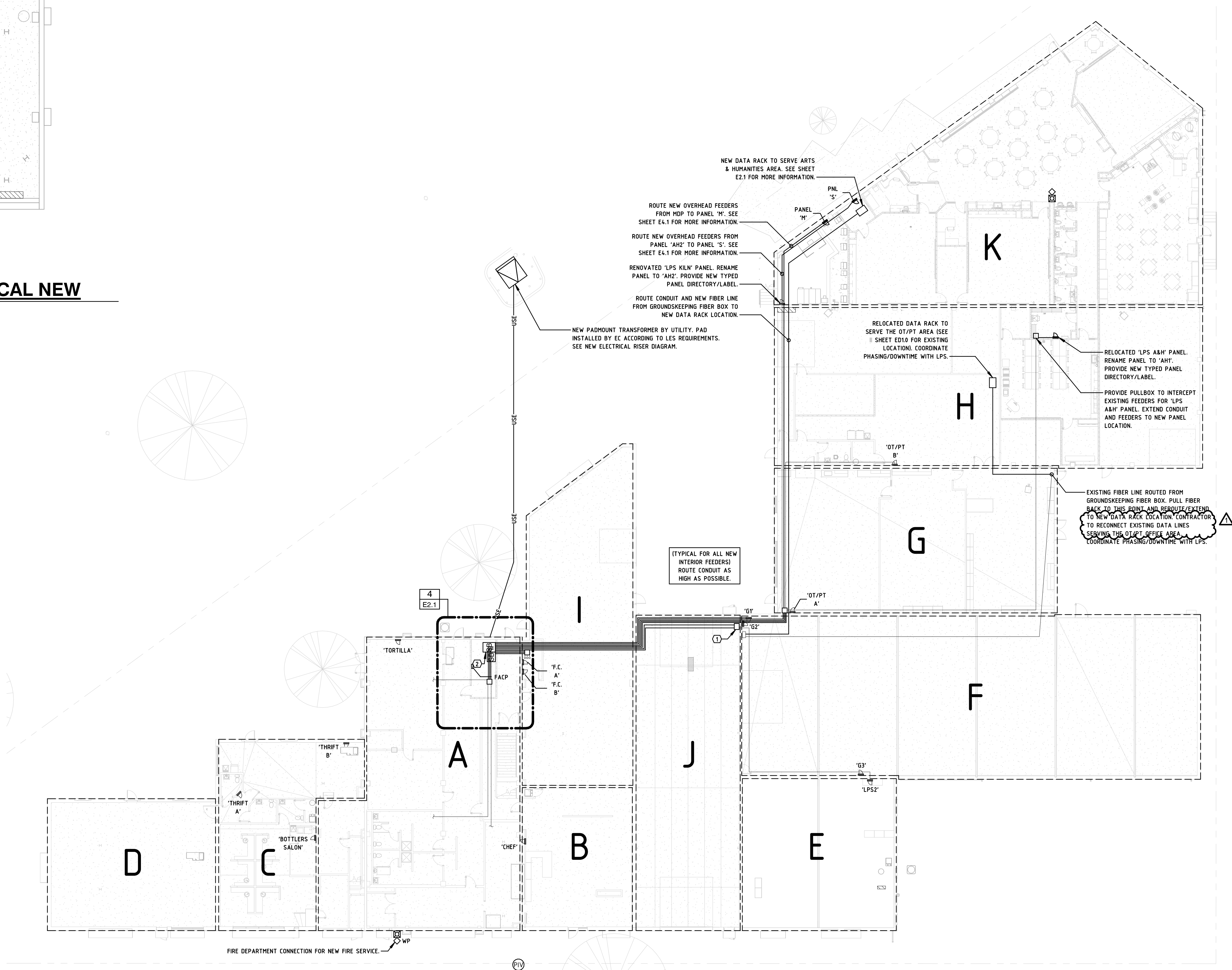
Project Number	23-007
Date	1/11/2024
Revisions	
#	Date
1	1-17-2024

E0.0

ELECTRICAL GENERAL PROJECT NOTES & SYMBOLS



1 OVERALL BASEMENT PLAN - ELECTRICAL NEW
E1.0 1/8" = 1'-0"



2 OVERALL MAIN FLOOR PLAN - ELECTRICAL NEW
E1.0 1/16" = 1'-0"

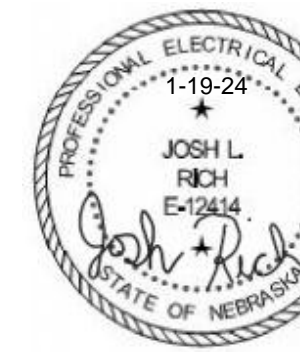
KEY NOTES

SYMBOL - 03

1. PROVIDE PULLBOX TO INTERCEPT EXISTING CONDUIT. EXTEND NEW CONDUIT AND FEEDERS TO MOP IN NEW ELECTRICAL ROOM. SEE ELECTRICAL RISER DIAGRAMS, SHEET E5.1. FIELD VERIFY ALL REQUIREMENTS FOR CONDUIT/FEEDER SIZE AND ROUTING.
2. NEW SWITCHGEAR. SEE SHEET E4.1. COORDINATE SHUTDOWN/STARTUP TIMES WITH OWNER - DOWNTIME CANNOT OCCUR DURING SCHOOL HOURS.
3. CONNECT TAMPER/FLOW SWITCHES TO FIRE ALARM SYSTEM.



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E1.0
OVERALL BUILDING NEW -
ELEC. EQUIPMENT PLANS -
LOWER & MAIN LEVELS



