

ADDENDUM NO. 2

August 28, 2024

**STOUT FIELD BUILDING 18
MILITARY INTELLIGENCE BATTALION CONVERSION
INDIANAPOLIS, INDIANA**

Invitation to Bid #:

IFB NO: MDI-SAB-24-B-014

Prepared by:

GEDA Architects

108 E. Jackson Street
Muncie, Indiana 47305-2806
765.289.9155
adowdle@geaarchitects.com

TO: ALL INTERESTED BIDDERS OF RECORD

This Addendum No. 2 forms part of the Contract Documents and modifies the original Bidding Documents dated August 13, 2024. Failure to acknowledge receipt of this addendum may subject Bidder to disqualification.

CLARIFICATIONS / GENERAL INFORMATION

1. Change the Notice to Bidders to revise the time for bids to be read aloud to 2:30pm (EDT)

NOTE: THERE IS NO CHANGE TO THE DATE OR TIME THAT BIDS ARE DUE.

CHANGES TO THE DRAWINGS

1. Sheet C100.1 – ABI 1 - SITE UTILITY PLAN
 - Add Sheet to the drawing set.
2. Sheet A102 – REFLECTED CEILING PLAN
 - Removed lay-in ceiling from plan drawing in Rooms 113, 113A and 117A
 - Revised ceiling design in Corridor 1
 - Added Ceiling Type 3 and Ceiling Type 4 to RCP Keynotes
3. Sheet A101.2 – ALTERNATE BID ITEM 2, REFLECTED CEILING PLAN, FF&E AND FLOOR PLANS
 - Revised ceiling design in Room 140
4. Sheet EL101 – FIRST FLOOR LIGHTING PLAN
 - Keynote 1 revised to provide additional information on mounting of light fixtures in Open Classroom 117.
 - Lighting control revised in Open Classroom 117 to show 3 zones of control and corresponding switchlegs per owner's request.
5. Sheet EP101 – FIRST FLOOR ELECTRICAL PLAN
 - Provided ceiling mounted duplex receptacles in Open Classroom.
 - Provided quadruplex receptacles in Open Classroom for VO locations.
 - Provided keynote #11 to coordinate ceiling mounted receptacle rough-in locations with owner prior to installation.
6. Sheet E601 – ELECTRICAL SCHEDULES

- Lighting control sequence of operation revised to have Open Classroom 117 broken out separately as LC06 to align with owner comments.

7. Sheet E602 – ELECTRICAL SCHEDULES
 - Panel G1 - Provided circuit information for ceiling mounted duplex receptacles.
 - Panel G1 - Provided circuit information for VO quadruplex receptacles.
 - Panel G1 - Increased panel from 42 ckts to 60 ckts.
8. Sheet T101 – FIRST FLOOR TECHNOLOGY PLAN
 - Added three runs of cable tray in open classroom 107.
 - Added four VO locations with two (2) data drops each in open classroom 107.
 - Added six (6) 2-port data drops to new cable tray runs.
 - Added one (1) 2-port data to future desk location outside of open classroom 107.
9. Sheet T401 – TECHNOLOGY ENLARGED PLANS
 - Added additional wire manager, patch panel, and space for switch to technology equipment cabinet.
10. Sheet M101 – FIRST FLOOR MECHANICAL PLAN
 - Removed condensate drain line to existing mop sink. Routed condensate drain line to east exterior wall (keynotes 2 and 7).
 - Added ductwork security bars to ductwork serving and passing through COMMS RM – 113 (keynote 4).
11. Sheet M502 – MECHANICAL DETAILS
 - Added detail number 5 to sheet.

CHANGES TO THE SPECIFICATIONS

1. Revise Specification Section 07 42 13 section 2.1 to include **Division 7 MTLs** as an approved manufacturer.

CONTRACTOR QUESTIONS & RESPONSES:

1. Question: Substitution Request received for Division 7 MTLs D7-DPS to be added to Specification Section 074213 Modular Metal Wall Panels.

Response: **This substitution request is approved.**
2. Question: Is there any chance the bid due date will be extended?

Response: **We will not be shifting the bid due date or time, only the time that bids will be read aloud.**
3. Question: The finish legend lists CPT-1 as a broadloom, but the website shows it as a carpet tile. Please clarify installation method

Response: **CPT 1 is a carpet tile. Revise installation note to read “Quarter Turn”.**

ATTACHMENTS:

Public Notice
Drawings:

C100.1 – ABI 1 SITE UTILITY PLAN
A102 – REFLECTED CEILING PLAN
A101.2 – ALTERNATE BID ITEM 2, REFLECTED CEILING PLAN, FF&E AND FLOOR PLAN
EL101 – FIRST FLOOR LIGHTING PLAN
EP101 - FIRST FLOOR ELECTRICAL PLAN
E601 – ELECTRICAL SCHEDULES
E602 – ELECTRICAL SCHEDULES
T101 - FIRST FLOOR TECHNOLOGY PLAN
T401 - TECHNOLOGY ENLARGED PLANS
M101 - FIRST FLOOR MECHANICAL PLAN
M502 – MECHANICAL DETAILS

END OF ADDENDUM NUMBER TWO

NOTICE TO GENERAL CONTRACTORS

PROJECT VALUED BY THE STATE ARMORY BOARD, OVER \$150,000

Notice is hereby given that sealed bids for the STOUT FIELD BLDG 18 MI BN CONVERSION, 2002 S HOLT RD, INDIANAPOLIS, IN 46241 for the Indiana Army National Guard will be received via email to Mary Carrico, State Contracting Officer at contractingpublicbid@ago.in.gov until **1:00 o'clock PM** (Eastern Daylight Savings Time) on **Tuesday, September 10, 2024**. All bids will be read aloud, via conference call **317-247-3300 or 812-526-1499 Conference ID: 11000** at **2:30 o'clock PM (EDT)**. Any bid received after the designated time, for any reason, will not be read.

Proposals shall be submitted on the proper bid form and delivered via email to include the name and address of the bidder, all as described in the Instruction to Bidders, which accompanies the specification. A Bid Bond made payable to the Adjutant General's Office, State of Indiana, must be enclosed with the bid. Said bond shall be in the minimum amount of five (5%) percent of the maximum bid including all additive alternate bids.

All bidders must be Certified Contractors, hold a Valid Certificate of Qualification **1542.01** from the Certificate Board, Room 467, Indiana Government Center, 402 West Washington Street, Indianapolis, Indiana, at the time of bid opening. Certification with the Department of Transportation does not meet the above-mentioned requirement for pre-qualification. The bidder must be qualified in the classification of the prime contract.

The contract for this work shall be awarded or rejected within sixty (60) calendar days from the date of opening bids. Funds are presently available for this acquisition. The State Armory Board reserves the right to reject any and all bids.

Note: Contracts resulting from this solicitation will be required to conform to I.C. 4-13-18 (Contractor's Employee Drug Testing).

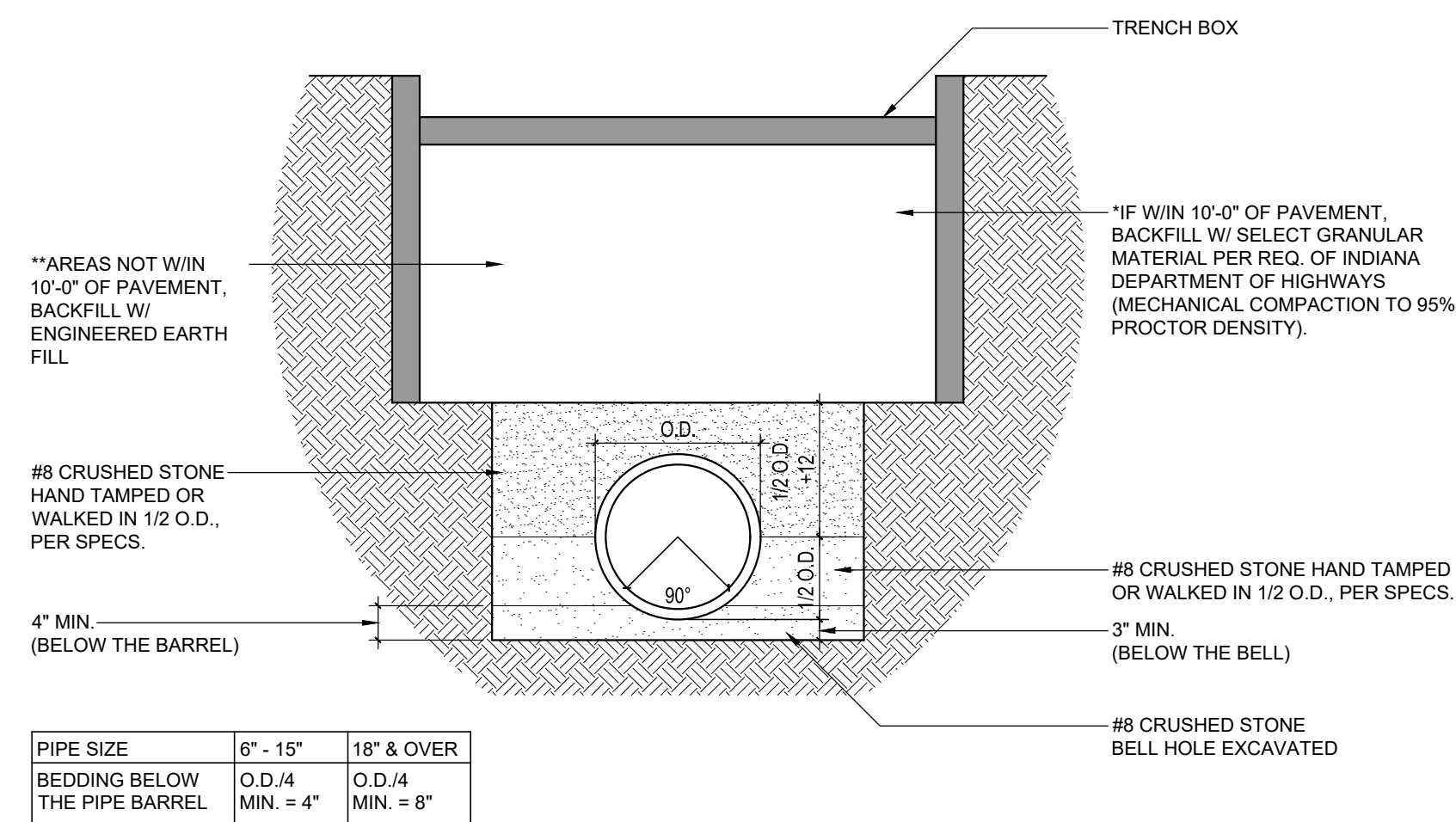
Note: In accordance with I.C. 4-13-16.5-2, the following goals are established for this construction: MBE 7%, WBE 5% and IVBE 3%.

Contractors interested in bidding and/or reviewing this project may obtain complete electronic copies of the Contract Documents from Eastern Engineering Supply Inc., 9901 Allisonville Road, Fishers, IN 46038; (317) 598-0661; www.easternengineering.com. Contract documents can be provided by digital download in PDF format, please contact Eastern Engineering Supply Inc. for pricing. Partial sets will not be available. The Architect/Engineer for this project is, GEDA Architects, 108 E. Jackson Street, Muncie, Indiana 47305, www.gedaarchitects.com, Contact information for RFI's and/or product substitution requests is Mrs. April Dowdle, adowdle@gedaarchitects.com. All RFI's and/or product substitution requests must be submitted in writing no later than **Tuesday, August 27, 2024**.

A Pre-Bid Meeting for this project will be held at the STOUT FIELD, BLDG 18, 2002 S. HOLT RD, INDIANAPOLIS, IN 46241 at **10:00 AM** (Eastern Daylight Savings Time) on **Tuesday, August 20, 2024** for all interested bidders. Information on this page can also be found through Access Indiana @ <http://www.in.gov/sab/>, State Armory Board Indiana National Guard bid posting at agency.

Dated this 25th day of August, 2024

STATE ARMORY BOARD, acting by and
through The Adjutant General,
R. DALE LYLES
Major General, INARNG



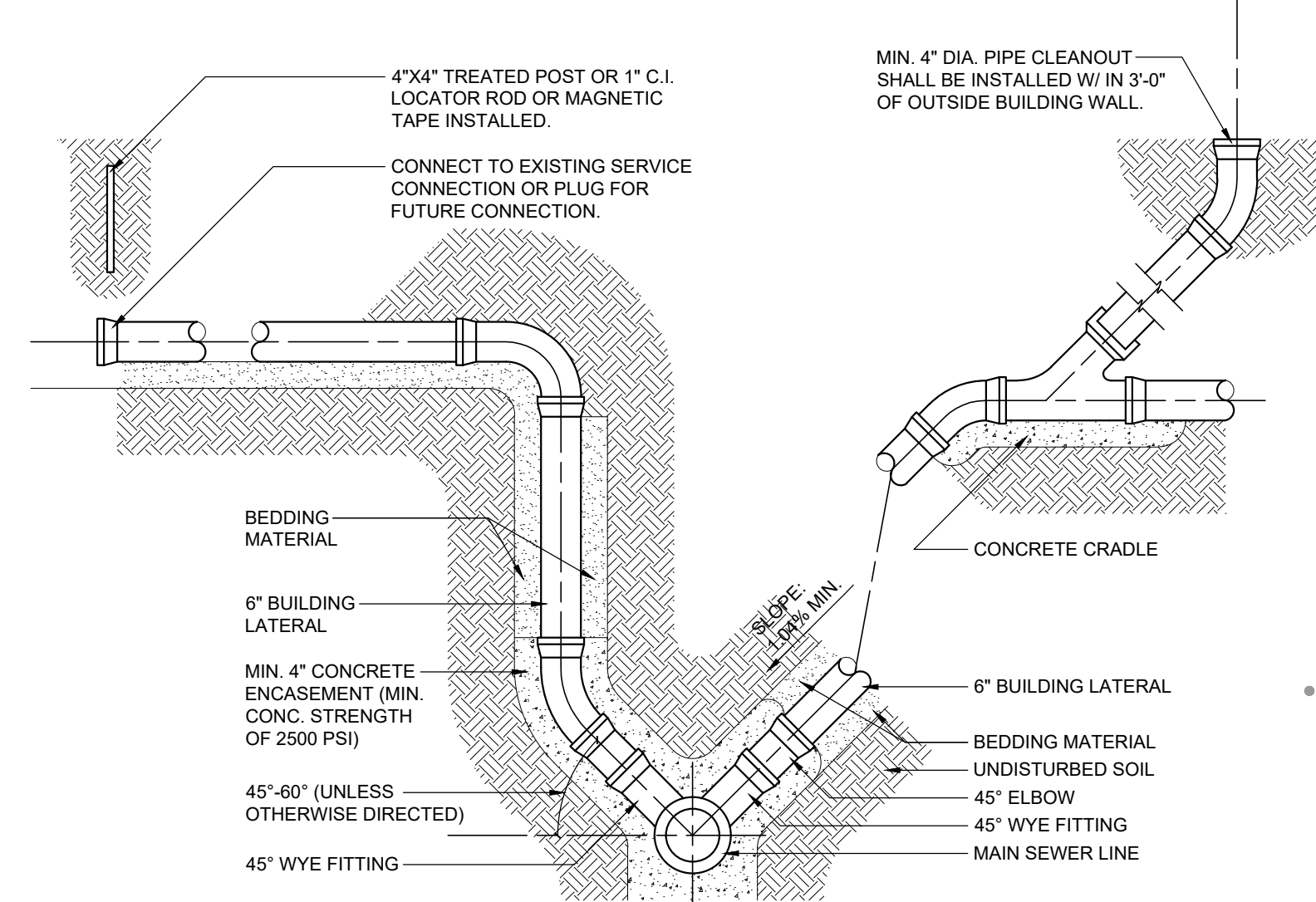
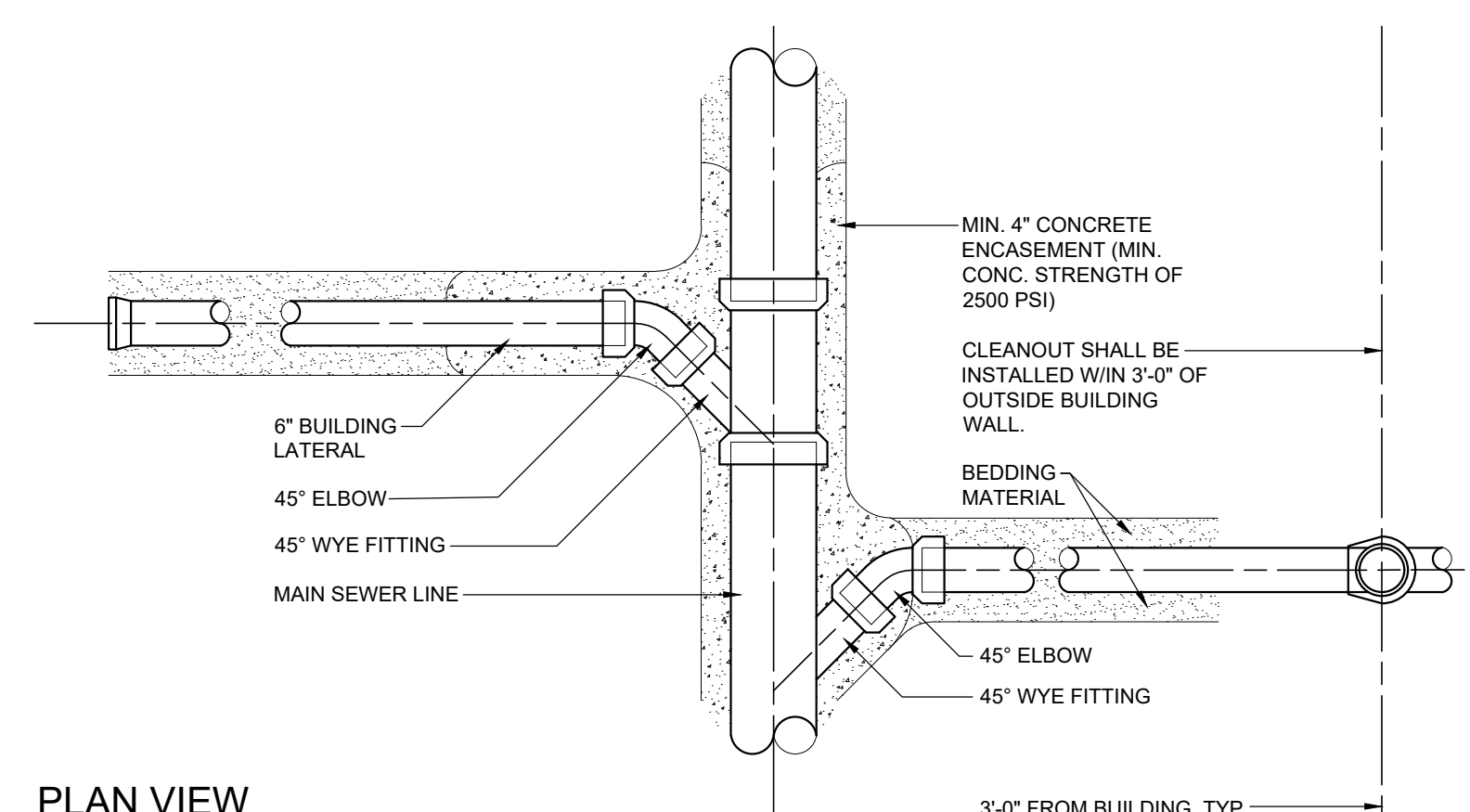
****AREAS NOT W/IN 10'-0" OF PAVEMENT. BACKFILL W/ ENGINEERED EARTH FILL**

****ENGINEERED EARTH FILL: SHALL BE INORGANIC SOIL FREE FROM VEGETABLE MATTER & SHALL BE COMPACTED TO 90% OF MAX. DRY DENSITY FOR COHESIVE SOILS & 80% RELATIVE DRY DENSITY FOR COHESIONLESS SOILS.**

****SELECT GRANULAR FILL: WELL GRADED SAND OR CRUSHED STONE THAT HAS A UNIFORM COEFFICIENT (A.S.T.M.D-2487) OF AGGREGATES & CONTAINS LESS THAN 10% FINES (BY WEIGHT) PASSING A NO. 200 SIEVE SIZE.**

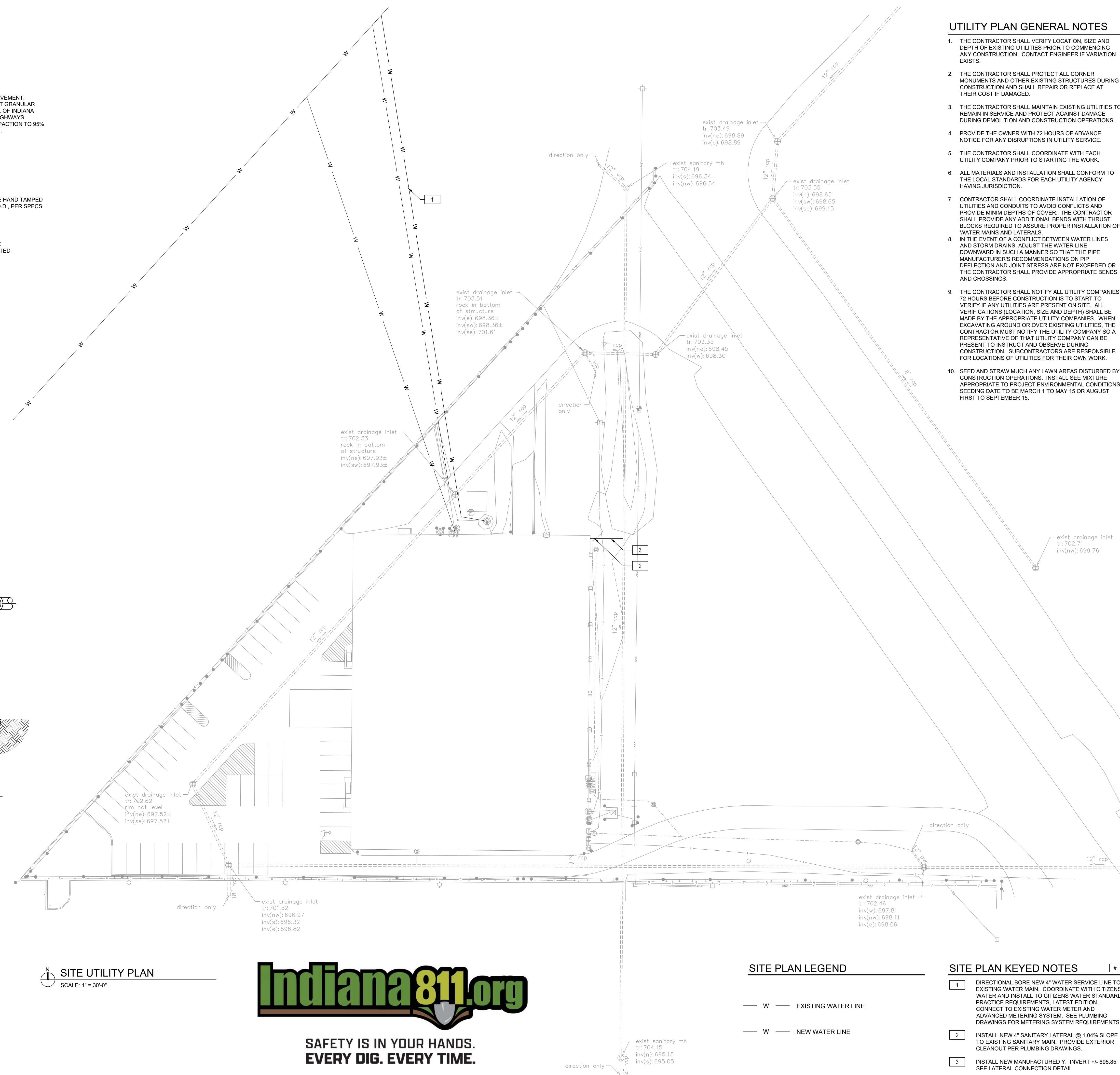
COMPACT TO 98% MAX. DENSITY FOR COHESIVE MATERIAL OR 98% RELATIVE DENSITY FOR COHESIONLESS SOILS OR AS SPECIFIED IN SOIL REPORT (WHICHEVER IS MORE STRINGENT).

FLEXIBLE PIPE BEDDING DETAIL, P.V.C. PIPE
NTS



LATERAL CONNECTION DETAIL
SCALE: 1/2" = 1'-0"

NOTE: LATERALS WHICH CONNECT TO SEWERS 15' DEEP & OVER SHALL HAVE CONCRETE ENCASEMENT AS SHOWN. SERVICE CONNECTIONS LESS THAN 15' REQUIRE ONLY THE INSTALLATION OF A CONCRETE CRADLE UNDER THE SEWER MAIN & FITTINGS.



SITE UTILITY PLAN
SCALE: 1" = 30'-0"



SAFETY IS IN YOUR HANDS. EVERY DIG. EVERY TIME.

SITE PLAN LEGEND

- W — EXISTING WATER LINE
- W — NEW WATER LINE

SITE PLAN KEYED NOTES

- 1 DIRECTIONAL BORE NEW 4" WATER SERVICE LINE TO EXISTING WATER MAIN. COORDINATE WITH CITIZENS WATER AND INSTALL TO CITIZENS WATER STANDARD PRACTICE REQUIREMENTS, LATEST EDITION. CONNECT TO EXISTING WATER METER AND ADVANCED METERING SYSTEM. SEE PLUMBING DRAWINGS FOR METERING SYSTEM REQUIREMENTS.
- 2 INSTALL NEW 4" SANITARY LATERAL @ 1.04% SLOPE TO EXISTING SANITARY MAIN. PROVIDE EXTERIOR CLEANOUT PER PLUMBING DRAWINGS.
- 3 INSTALL NEW MANUFACTURED Y. INVERT +/- 695.85. SEE LATERAL CONNECTION DETAIL.

UTILITY PLAN GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY LOCATION, SIZE AND DEPTH OF EXISTING UTILITIES PRIOR TO COMMENCING ANY CONSTRUCTION. CONTACT ENGINEER IF VARIATION EXISTS.
2. THE CONTRACTOR SHALL PROTECT ALL CORNER MONUMENTS AND OTHER EXISTING STRUCTURES DURING CONSTRUCTION AND SHALL REPAIR OR REPLACE AT THEIR COST IF DAMAGED.
3. THE CONTRACTOR SHALL MAINTAIN EXISTING UTILITIES TO REMAIN IN SERVICE AND PROTECT AGAINST DAMAGE DURING DEMOLITION AND CONSTRUCTION OPERATIONS.
4. PROVIDE THE OWNER WITH 72 HOURS OF ADVANCE NOTICE FOR ANY DISRUPTIONS IN UTILITY SERVICE.
5. THE CONTRACTOR SHALL COORDINATE WITH EACH UTILITY COMPANY PRIOR TO STARTING THE WORK.
6. ALL MATERIALS AND INSTALLATION SHALL CONFORM TO THE LOCAL STANDARDS FOR EACH UTILITY AGENCY HAVING JURISDICTION.
7. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES AND CONDUITS TO AVOID CONFLICTS AND PROVIDE MINIM DEPTHS OF COVER. THE CONTRACTOR SHALL PROVIDE ANY ADDITIONAL BENDS WITH THRUST BLOCKS REQUIRED TO ASSURE PROPER INSTALLATION OF WATER MAINS AND LATERALS.
8. IN THE EVENT OF A CONFLICT BETWEEN WATER LINES AND STORM DRAINS, ADJUST THE WATER LINE DOWNWARD IN SUCH A MANNER SO THAT THE PIPE MANUFACTURER'S RECOMMENDATIONS ON PIPE DEFLECTION AND JOINT STRESS ARE NOT EXCEEDED OR THE CONTRACTOR SHALL PROVIDE APPROPRIATE BENDS AND CROSSINGS.
9. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 72 HOURS BEFORE CONSTRUCTION IS TO START TO VERIFY IF ANY UTILITIES ARE PRESENT ON SITE. ALL VERIFICATIONS (LOCATION, SIZE AND DEPTH) SHALL BE MADE BY THE APPROPRIATE UTILITY COMPANIES. WHEN EXCAVATING AROUND OR OVER EXISTING UTILITIES, THE CONTRACTOR MUST NOTIFY THE UTILITY COMPANY SO A REPRESENTATIVE OF THAT UTILITY COMPANY CAN BE PRESENT TO INSTRUCT AND OBSERVE DURING CONSTRUCTION. SUBCONTRACTORS ARE RESPONSIBLE FOR LOCATIONS OF UTILITIES FOR THEIR OWN WORK.
10. SEED AND STRAW MUCH ANY LAWN AREAS DISTURBED BY CONSTRUCTION OPERATIONS. INSTALL SEE MIXTURE APPROPRIATE TO PROJECT ENVIRONMENTAL CONDITIONS. SEEDING DATE TO BE MARCH 1 TO MAY 15 OR AUGUST FIRST TO SEPTEMBER 15.



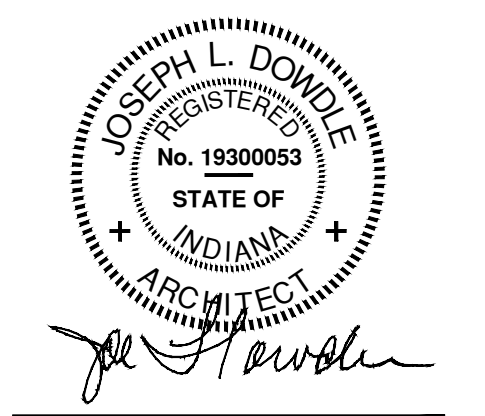
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D | A**
ARCHITECTS
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**INDIANA ARMY NATIONAL GUARD
STOUT FIELD BUILDING 18
MILITARY INTELLIGENCE
BATTALION CONVERSION
2002 S. Holt Road
Indianapolis, IN 46241**

MDI-SAB-24-B-014

**ALTERNATE BID ITEM 1
SITE UTILITY PLAN**

0917-15
13 August 2024
BID DOCUMENTS
REVISIONS
ADDENDUM #2 8/28/2024



ABI 1
C100.1



REFLECTED CEILING PLAN GENERAL NOTES

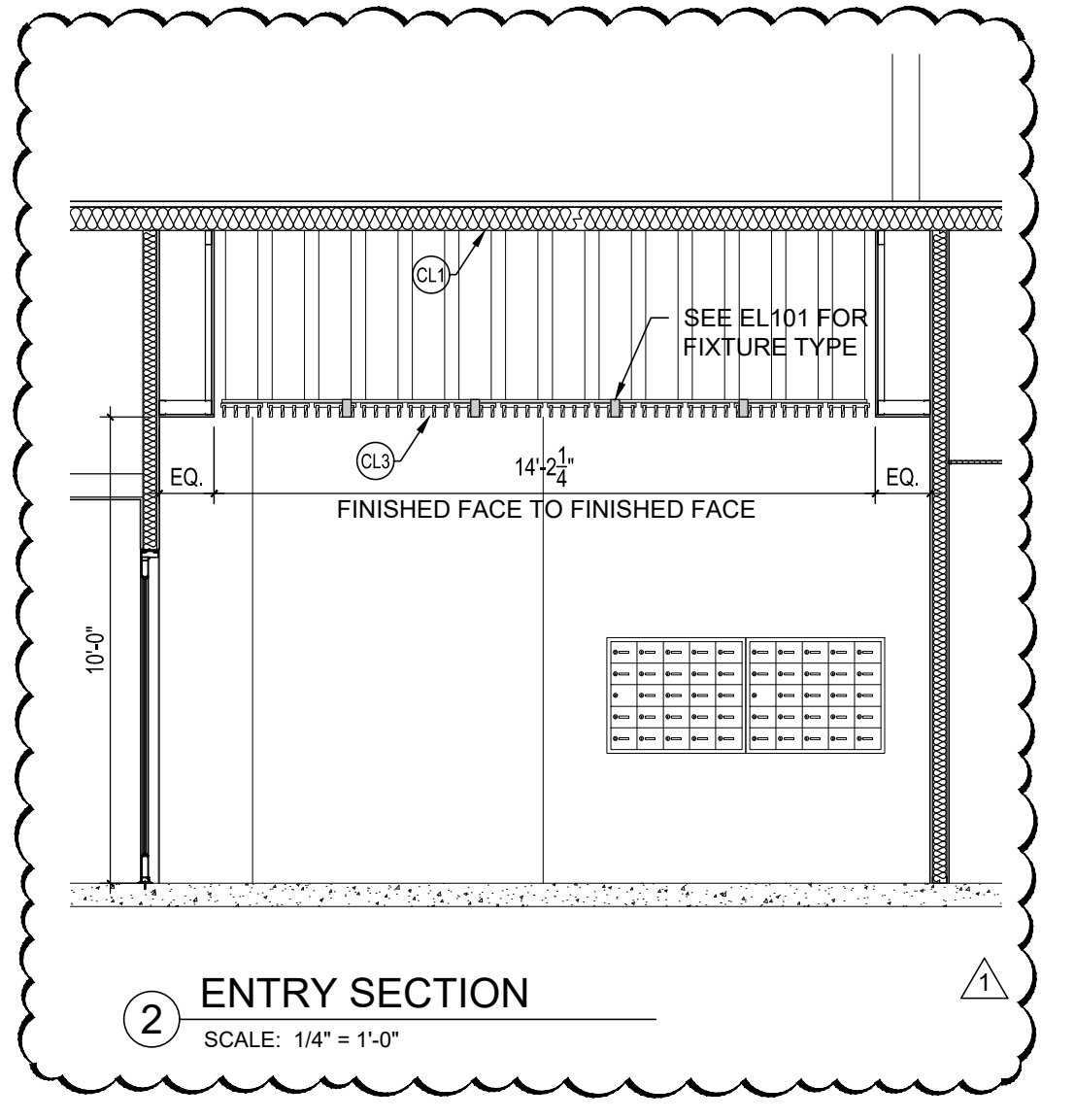
1. LOCATIONS OF MECHANICAL AND ELECTRICAL ITEMS SHOWN ARE APPROXIMATE. COORDINATE WITH FIELD CONDITIONS. REFER TO ELECTRICAL DRAWINGS FOR SCHEDULED LIGHT FIXTURES. REFER TO MECHANICAL DRAWINGS FOR SUPPLY AND RETURN INFORMATION.
2. CEILING IS EXPOSED, PAINTED UNLESS NOTED OTHERWISE.
3. REFER TO A800 SERIES DRAWINGS FOR ADDITIONAL FINISH INFORMATION.

CEILING PLAN LEGEND

- NO WORK IN HATCHED AREA
- 10'-0" CEILING HEIGHT ELEVATION
- 103 ROOM NUMBER
- 101A DOOR NUMBER- SEE DOOR SCHEDULE.
- 1 A2.1 BUILDING SECTION DESIGNATION- SEE SHEET NUMBER REFERENCED.
- 1/2 3 INTERIOR ELEVATION DESIGNATION
- WALL TYPE DESIGNATION
- 2X2 LAY-IN CEILING
- GWB CEILING FINISH. PAINT CEILING BRIGHT WHITE UNLESS NOTED OTHERWISE. PROVIDE MOISTURE RESISTANT GWB IN ALL HIGH HUMIDITY OR WET LOCATIONS.
- HVAC DIFFUSER- SEE MECHANICAL FOR REQ'S.
- HVAC RETURN AIR GRILL- SEE MECHANICAL FOR REQ'S.
- LIGHTING FIXTURE- SEE ELECTRICAL FOR REQ'S.
- 6" CAN LIGHT - SEE ELECTRICAL FOR REQ'S.
- WIRE MESH PARTITION CEILING. SEE SPECIFICATION SECTION 10 22 13.

REFLECTED CEILING PLAN KEYNOTES

- CL1 CEILING HEIGHT IS BOTTOM OF ASSEMBLY. FINISH DRYWALL WITH LEVEL 4 FINISH AND PAINT CEILING WHITE.
- CL2 METAL SOFFIT PANELS
- CL3 ARMSTRONG WOODWORKS GRILLE - FORTE, VENEERED CEILING PANELS. FINISH TO BE "RIFT WHITE OAK", ARMSTRONG ITEM # 6334L6S15NRO.



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REFLECTED CEILING PLAN

0917-15

13 August 2024

BID DOCUMENTS

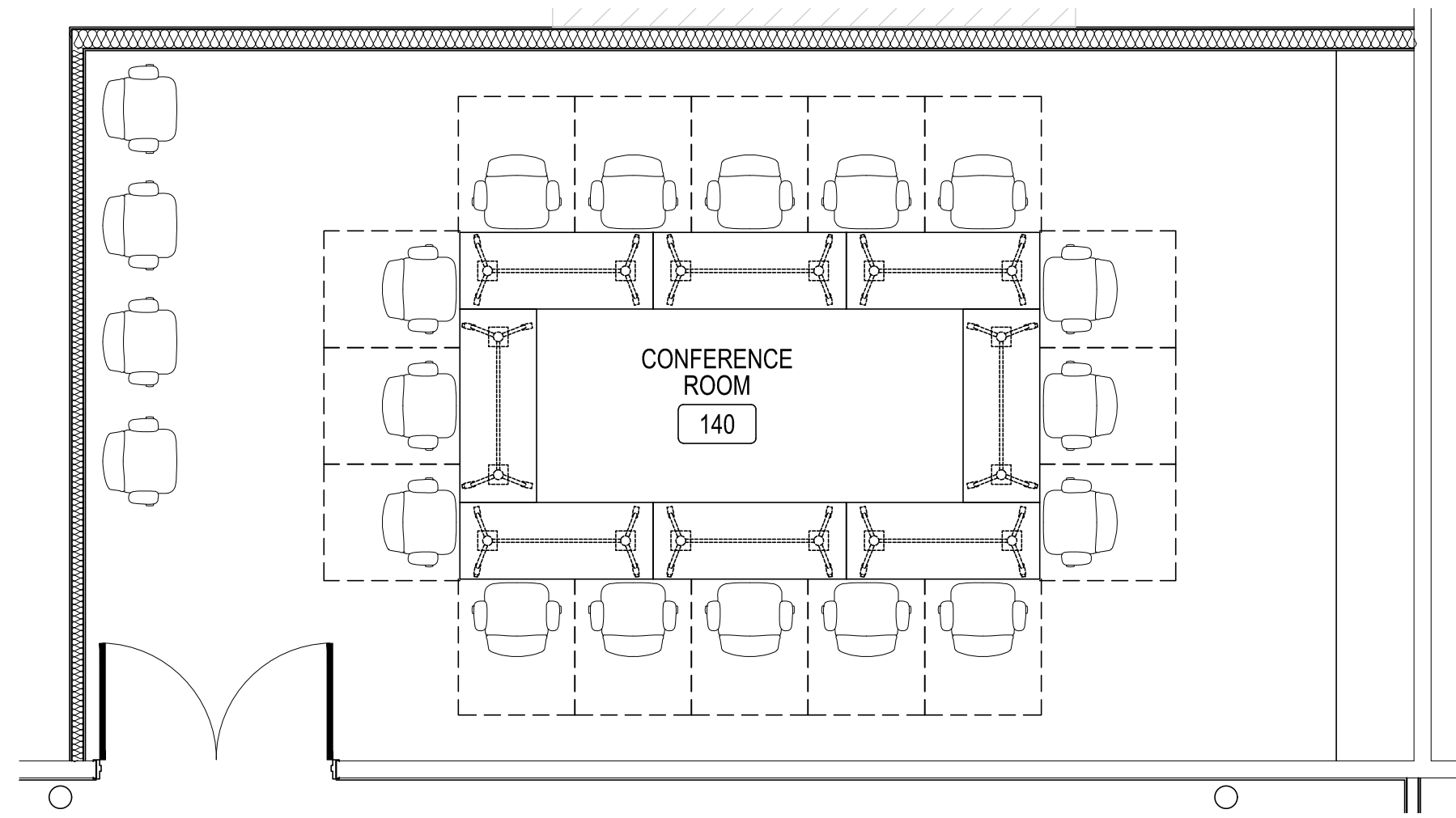
REVISIONS

ADDENDUM #2 8/26/2024

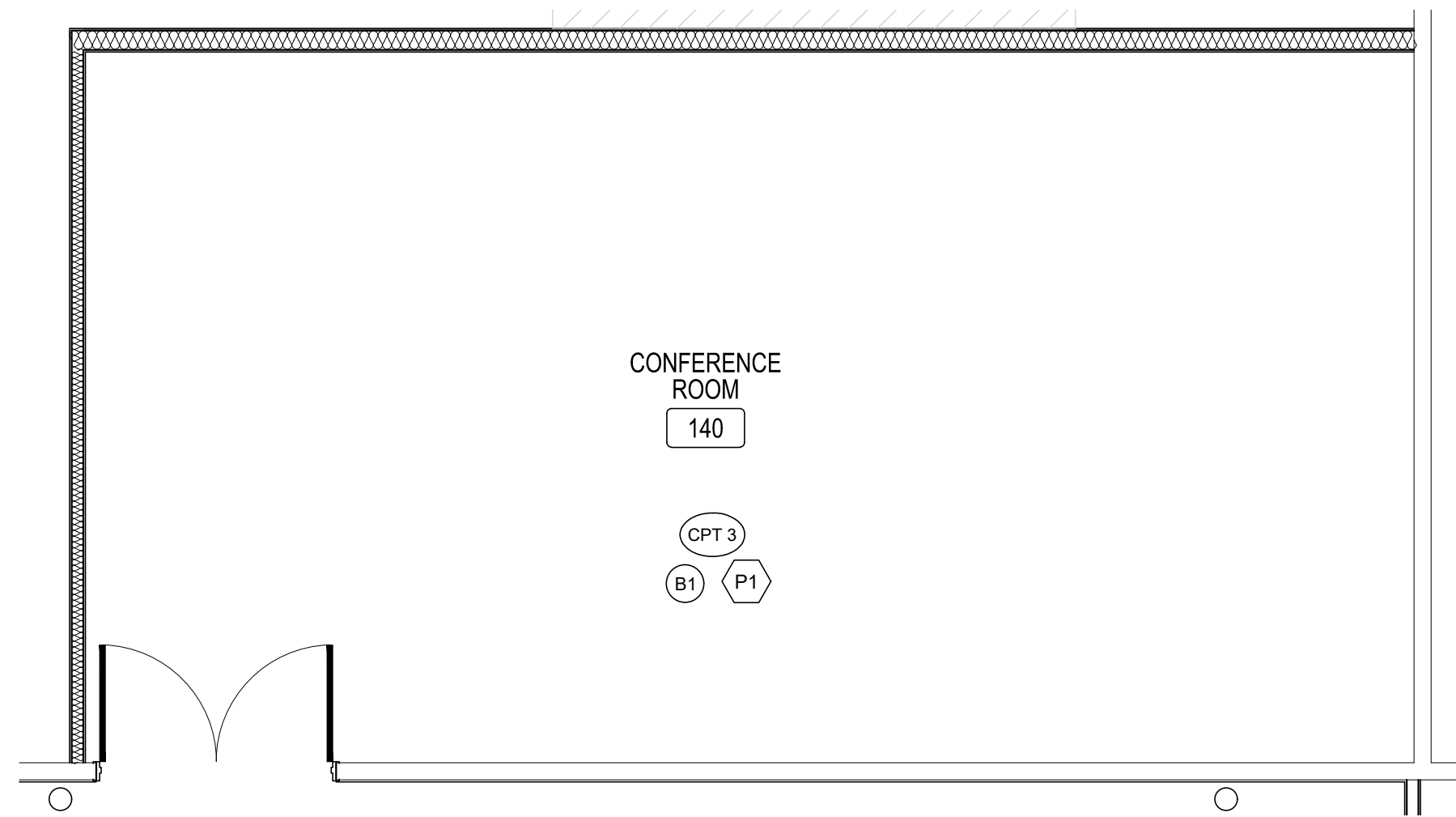


A102

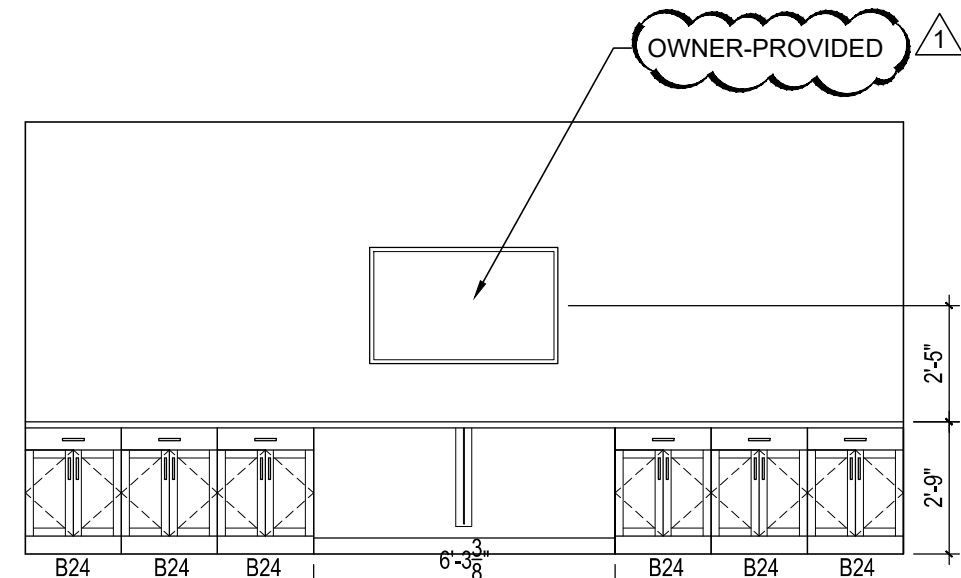
REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"



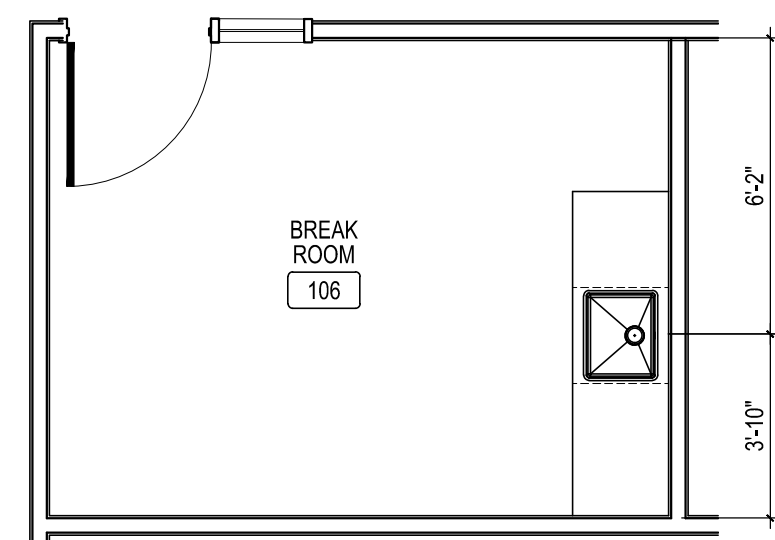
ABI 02 FURNITURE PLAN
SCALE: 1/4" = 1'-0"



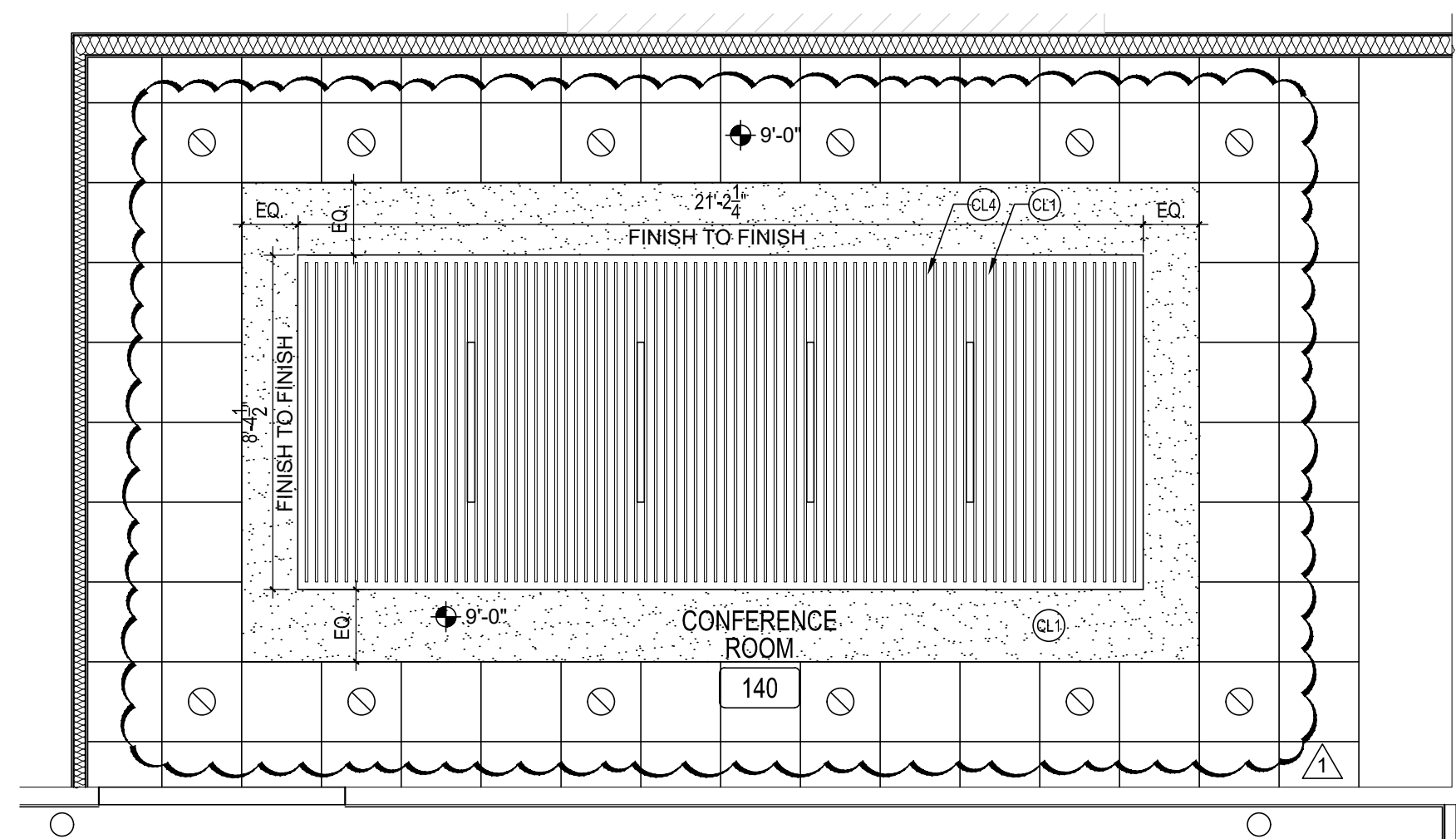
ABI 02 FINISH PLAN
SCALE: 1/4" = 1'-0"



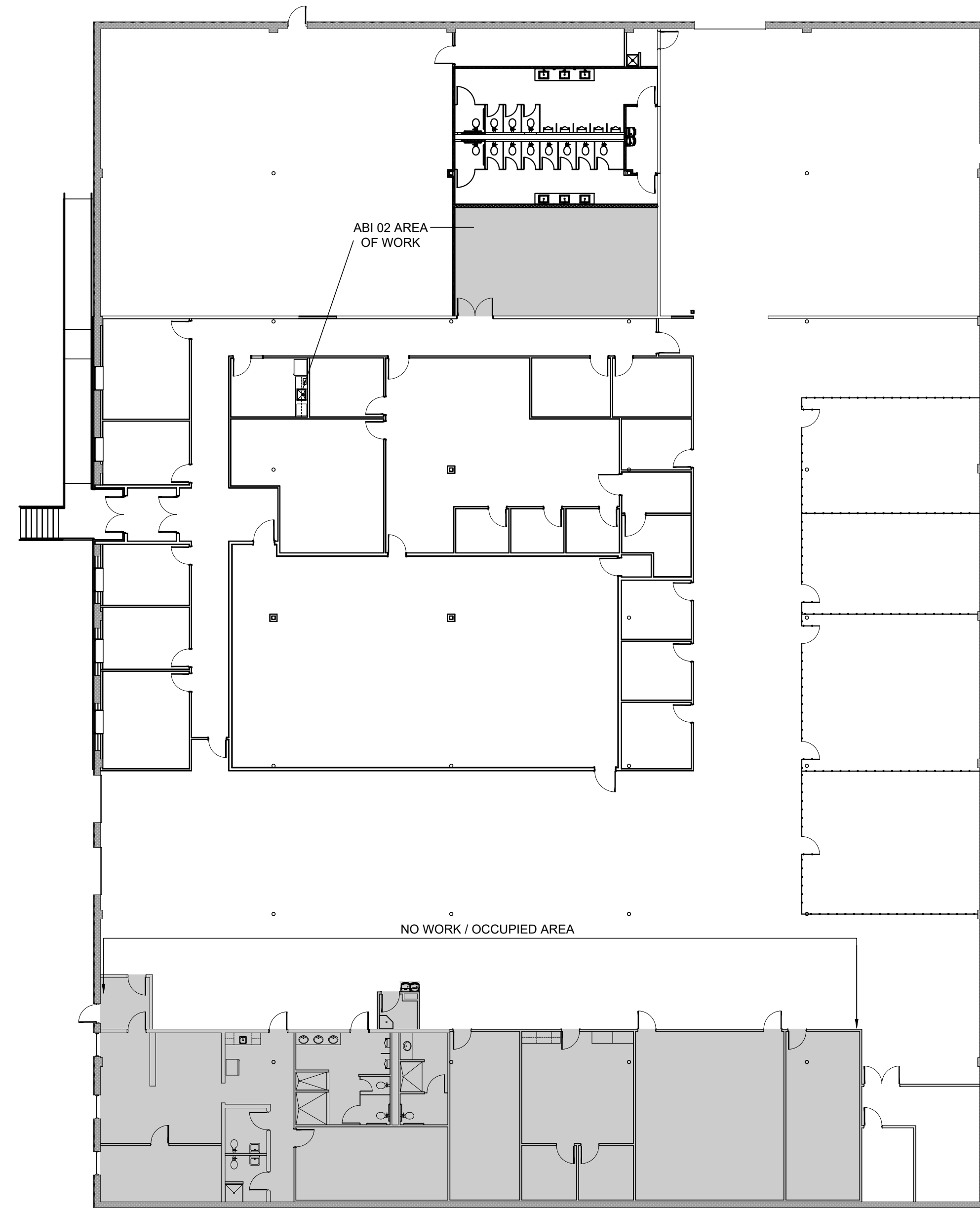
ABI 02 CONF. RM. ELEV.
SCALE: 1/4" = 1'-0"



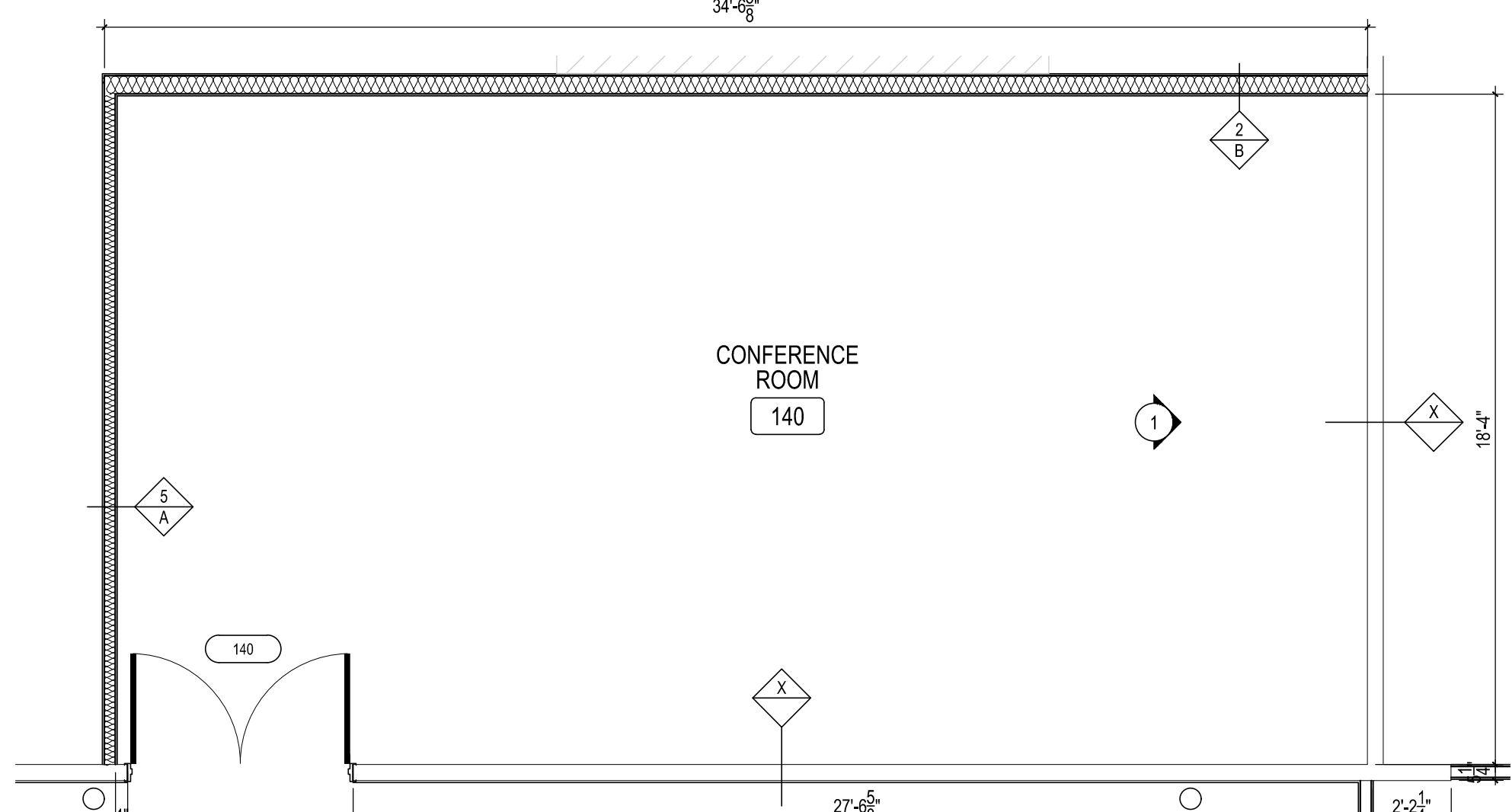
ABI 02 BREAK ROOM PLAN
SCALE: 1/4" = 1'-0"



ABI 02 REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"



OVERALL PLAN
SCALE: 1/16" = 1'-0"



ABI 02 FLOOR PLAN
SCALE: 1/4" = 1'-0"

PLAN LEGEND

- NO WORK IN HATCHED AREA
- ROOM # ROOM TAG
- INTERIOR ELEVATION DESIGNATION
- ASSEMBLY TYPES
- BUILDING ELEVATION DESIGNATION
- BUILDING SECTION DESIGNATION
- ENLARGED PLAN DESIGNATION
- DOOR NUMBER- SEE DOOR SCHEDULE.
- WINDOW DESIGNATION
- STOREFRONT DESIGNATION
- REVISION TAG
- PLAN NOTE
- ELEVATION

REFLECTED CEILING PLAN GENERAL NOTES

- LOCATIONS OF MECHANICAL AND ELECTRICAL ITEMS SHOWN ARE APPROXIMATE. COORDINATE WITH FIELD CONDITIONS. REFER TO ELECTRICAL DRAWINGS FOR SCHEDULED LIGHT FIXTURES. REFER TO MECHANICAL DRAWINGS FOR SUPPLY AND RETURN INFORMATION.
- CEILING IS EXPOSED, PAINTED UNLESS NOTED OTHERWISE.
- REFER TO A800 SERIES DRAWINGS FOR ADDITIONAL FINISH INFORMATION.

CEILING PLAN LEGEND

- NO WORK IN HATCHED AREA
- CEILING HEIGHT ELEVATION
- ROOM NUMBER
- DOOR NUMBER- SEE DOOR SCHEDULE.
- BUILDING SECTION DESIGNATION- SEE SHEET NUMBER REFERENCED.
- INTERIOR ELEVATION DESIGNATION
- WALL TYPE DESIGNATION
- 2X2 LAY-IN CEILING
- GWB CEILING FINISH. PAINT CEILING BRIGHT WHITE UNLESS NOTED OTHERWISE. PROVIDE MOISTURE RESISTANT GWB IN ALL HIGH HUMIDITY OR WET LOCATIONS.
- HVAC DIFFUSER- SEE MECHANICAL FOR REQ'S.
- HVAC RETURN AIR GRILL- SEE MECHANICAL FOR REQ'S.
- LIGHTING FIXTURE- SEE ELECTRICAL FOR REQ'S.
- 6" CAN LIGHT - SEE ELECTRICAL FOR REQ'S.
- WIRE MESH PARTITION CEILING. SEE SPECIFICATION SECTION 10 22 13.

REFLECTED CEILING PLAN KEYNOTES

- CEILING HEIGHT IS BOTTOM OF ASSEMBLY. FINISH DRYWALL WITH LEVEL 4 FINISH AND PAINT CEILING WHITE.
- METAL SOFFIT PANELS
- ARMSTRONG WOODWORKS GRILLE - FORTE, VENEERED CEILING PANELS. FINISH TO BE "RIFT WHITE OAK", ARMSTRONG ITEM # 6334L8S15NR0.
- ARMSTRONG WOODWORKS GRILLE - FORTE, VENEERED CEILING PANELS. FINISH TO BE "RIFT WHITE OAK", ARMSTRONG ITEM # 6334L8S15NR0.

MARK	ROOM NAME	DOOR INFORMATION						FRAME INFORMATION				FIRE RATING	HARDWARE	SIGN
		WIDTH	HEIGHT	THICKNESS	MAT.	DOOR ELEVATION	GLASS	FRAME MAT.	FRAME ELEVATION	JAMB				
140	CONFERENCE ROOM	6'-0"	7'-0"	1 3/4"	HM	D2	-	HM	F2	J1	-	1	B	



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ALTERNATE BID ITEM 2
REFLECTED CEILING,
FINISH, FURNITURE & FLOOR
PLANS

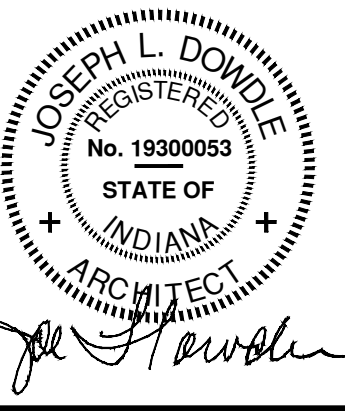
0917-15

13 August 2024

BID DOCUMENTS

REVISIONS

ADDENDUM #2 08/24/2024



ABI 2
A101.2



KDSQ CONSULTING

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FIRST
FLOOR
LIGHTING
PLAN

0917-15

BID
DOCUMENTS



8-09-2024
Job# 24105

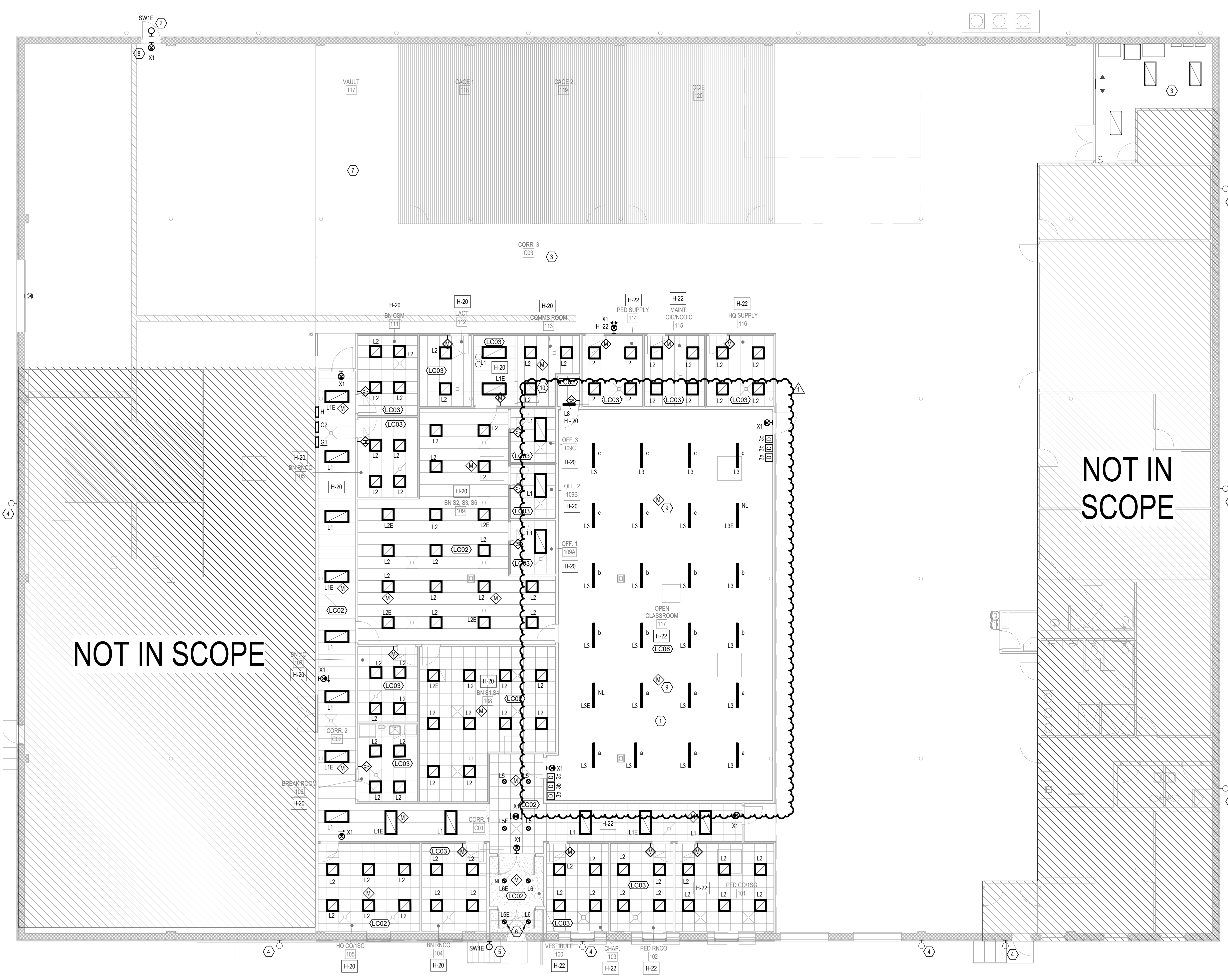
EL101

GENERAL NOTES

- A REFER TO SHEET E-000 FOR GENERAL ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS.
- B REFER TO E-000 SERIES SHEETS FOR LIGHT FIXTURE SCHEDULES AND PANEL SCHEDULES.
- C LOCATE CEILING MOUNTED OCCUPANCY SENSORS TO PROVIDE COMPLETE COVERAGE OF SPACE IN WHICH THEY ARE INSTALLED. ADDITIONAL SENSORS REQUIRED DUE TO LACK OF COVERAGE TO BE RESPONSIBILITY OF CONTRACTOR / MANUFACTURER. SENSORS SHALL INCLUDE ALL POWER SUPPLIES, RELAYS AND COMPONENTS FOR NORMAL OPERATION.
- D ALL COVER PLATES FOR ELECTRICAL DEVICES TO BE SELECTED BY ARCHITECT / INTERIORS.
- E ALL MOUNTING HEIGHTS NOTED ARE TO BOTTOM OF FIXTURE UNLESS OTHERWISE NOTED.
- F COORDINATE INSTALLATION OF LIGHT FIXTURES WITH ARCHITECTURAL CEILING PLANS, ELEVATIONS, MECHANICAL EQUIPMENT, DUCTS, DIFFUSERS, SUPPORTS, PIPING, AND STRUCTURAL PLANS PRIOR TO ROUGH-IN.
- G WALL MOUNTED EXIT SIGNS TO BE MOUNTED +0'-6" ABOVE TOP EDGE OF FINISHED DOOR FRAME. MOUNT +7'-6" A.F.F. IN ALL OTHER WALL MOUNTING INSTANCES.
- H WHERE EXIT SIGNS ARE MOUNTED IN SPACES WITHOUT CEILING, SUSPEND ON THREADED ROD IN FINISH AS SELECTED BY ARCHITECT.
- I LABEL ALL RELAYS AND POWER SUPPLIES (ON DEVICE OR BOX THEY ARE CONNECTED TO) WITH THE AREA, THE DEVICE SERVES, THE BRANCH CIRCUIT IT CONTROLS, AND THE DEVICE ADDRESS (IF APPLICABLE).

SHEET KEYNOTES

- 1 SUSPEND FIXTURES FROM STRUCTURE USING UNISTRUT TO FALL +9'-0" AFF. COORDINATE FINAL PLACEMENT WITH OTHER DISCIPLINES SO THAT LIGHTING FALLS BELOW ALL OTHER COMPONENTS.
- 2 MOUNT FIXTURE +0'-6" ABOVE FINISHED DOOR TRIM.
- 3 EXISTING LIGHTING IN WAREHOUSE AREA TO REMAIN. SEE EL102 FOR LAYOUT. PROTECT DURING CONSTRUCTION. ANY DAMAGE INCURRED DURING CONSTRUCTION TO BE REPLACED BY RESPONSIBLE PARTY TO OWNER'S SATISFACTION.
- 4 EXISTING FIXTURE TO REMAIN. PROTECT DURING CONSTRUCTION. ANY DAMAGE INCURRED DURING CONSTRUCTION TO BE REPLACED BY RESPONSIBLE PARTY TO OWNER'S SATISFACTION.
- 5 MOUNT FIXTURE +8'-0" AFF. CONNECT TO EXISTING EXTERIOR LIGHTING CIRCUIT.
- 6 CONNECT TO EXISTING EXTERIOR LIGHTING CIRCUIT AND CONTROL.
- 7 LIGHTING FOR VAULT TO BE INCLUDED AS PART OF VAULT EQUIPMENT.
- 8 CONNECT FIXTURE TO EXISTING LOCAL LIGHTING CIRCUIT.
- 9 HANG SENSOR +10'-0" AFF ON RIGID STEM WITH ALL THREAD. COORDINATE PLACEMENT WITH ACOUSTICAL BATTLES.
- 10 PROVIDE DRYWALL ADAPTOR KIT FOR RECESS IN HARD CEILING.



1 FIRST FLOOR LIGHTING PLAN - OFFICE
1/8" = 1'-0"



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FIRST
FLOOR
ELECTRICAL
PLAN

0917-15

BID
DOCUMENTS



8-09-2024
Job# 24105

EP101

GENERAL NOTES

- A REFER TO SHEET E000 FOR GENERAL ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS.
- B ALL EXPOSED SYSTEMS ARE TO BE PAINTED TO MATCH ADJACENT EXPOSED DECKWALL.
- C COORDINATE NEW TAMPER AND FLOW SWITCHES WITH FINAL SHOP DRAWINGS.
- D RECEPTACLES MARKED 'VO' INDICATE TV BACK BOX. PROVIDE TV BACK BOX WITH (2) DUPLEX RECEPTACLES. COORDINATE WITH LOW VOLTAGE DRAWINGS FOR AV AND DATA CABLING REQUIREMENTS.

SHEET KEYNOTES

- 1 PROVIDE A NON-FUSED NEMA 3R DISCONNECT AND 208V, 1PH CIRCUIT AS INDICATED FOR DUCTLESS SPLIT AIR CONDITIONER. PROVIDE (2) #10 AND (1) #10 IN A 1-INCH CONDUIT. REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS FOR ADDITIONAL DETAILS.
- 2 PROVIDE A TOGGLE DISCONNECT AND 480V, 3PH CIRCUIT AS INDICATED FOR TERMINAL BOX. PROVIDE (3) #12 AND (1) #12G IN A 3/4-INCH CONDUIT. COORDINATE EXACT LOCATION WITH EQUIPMENT PROVIDER AND REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS FOR ADDITIONAL DETAILS.
- 3 PROVIDE A TOGGLE DISCONNECT AND 277V, 1PH CIRCUIT AS INDICATED FOR TERMINAL BOX. PROVIDE (2) #12 AND (1) #12G IN A 3/4-INCH CONDUIT. COORDINATE EXACT LOCATION WITH EQUIPMENT PROVIDER AND REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS FOR ADDITIONAL DETAILS.
- 4 PROVIDE A TOGGLE DISCONNECT AND 120V CIRCUIT AS INDICATED FOR UNIT HEATER. PROVIDE (2) #12 AND (1) #12G IN A 3/4-INCH CONDUIT. COORDINATE EXACT LOCATION WITH EQUIPMENT PROVIDER AND REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS FOR ADDITIONAL DETAILS.
- 5 PROVIDE A FUSED NEMA 3R DISCONNECT AND 480, 3PH CIRCUIT FOR ROOFTOP UNIT ACCORDING TO RISER DIAGRAM. COORDINATE EXACT LOCATION WITH EQUIPMENT PROVIDER AND REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS FOR ADDITIONAL DETAILS.
- 6 PROVIDE CONDUIT AND WIRING TO INTERIOR DUCTLESS SPLIT AIR CONDITIONER FROM ASSOCIATED EXTERIOR UNIT. COORDINATE EXACT LOCATION WITH EQUIPMENT PROVIDER AND REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS FOR ADDITIONAL DETAILS.
- 7 PROVIDE NEMA 3R TOGGLE DISCONNECT AND 120V CIRCUIT AS INDICATED FOR ROOFTOP UNIT LOW VOLTAGE CONTROLS. COORDINATE EXACT LOCATION WITH EQUIPMENT PROVIDER AND REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS FOR ADDITIONAL DETAILS.
- 8 PROVIDE ROUGH-IN FOR TEMPERATURE CONTROL PANEL AND 120V CIRCUIT AS INDICATED. COORDINATE EXACT LOCATION WITH EQUIPMENT PROVIDER PRIOR TO INSTALLATION.
- 9 PROVIDE ROUGH-IN FOR IDS SECURITY SYSTEM. PROVIDE 120V CIRCUIT AS INDICATED. REFER TO DETAIL 1/7504 FOR ADDITIONAL DETAILS.
- 11 PROVIDE ROUGH-IN FOR CEILING MOUNTED RECEPTACLE AND 120V CIRCUIT AS INDICATED. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO PERFORMING WORK.

NOT IN SCOPE

NOT IN SCOPE

NOT IN SCOPE



1 FIRST FLOOR ELECTRICAL PLAN - NORTH
1/8" = 1'-0"



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E601

LIGHTING FIXTURE SCHEDULE - INTERIOR

NOTES:

- EQUAL MANUFACTURERS MUST MEET OR EXCEED PERFORMANCE, AESTHETICS, AND FABRICATION OF BASE BID FIXTURE.
- CONTRACTOR IS RESPONSIBLE FOR ALL MISCELLANEOUS HARDWARE AND ACCESSORIES NECESSARY FOR NORMAL AND EMERGENCY FUNCTION.
- REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES AND MOUNTING HEIGHTS.
- CONTRACTOR TO VERIFY COMPATIBILITY OF CEILING WITH LIGHT FIXTURES PRIOR TO SHOP DRAWING SUBMITTALS. NOTIFY ARCHITECT / ENGINEER OF ANY ISSUES WITH PROPOSED INSTALLATION PRIOR TO ROUGH-IN.
- ALL LIGHT FIXTURES SHALL BE BUY AMERICAN ACT (BAA) AND/OR TRADE AGREE MENT ACT (TAA) COMPLIANT.

UNIT ID	BASE MANUFACTURER	EQUAL MANUFACTURER	LAMP	VOLTS	WATTS	UNITS	LUMENS	UNITS	CCT	LOCATION(S)	MOUNT	DESCRIPTION
L1	COLUMBIA: LCAT-24-35-HL-G-ED-U-X	LITHONIA: STACK, METALUX: CRUZ, HEW: AT2	LED	277 V	40 W	/FIXTURE	5000LM	/FIXTURE	3500K	GENERAL	RECESSED	2X4 ARCHITECTURAL TROFFER WITH CENTER BASKET LENS. DIMMING TO 10%. DRIVER / LED MODULE ACCESSIBLE FROM BELOW BY WAY OF LENS.
L1E	COLUMBIA: LCAT-24-35-HL-G-ED-U-ELL14	LITHONIA: STACK, METALUX: CRUZ, HEW: AT2	LED	277 V	40 W	/FIXTURE	5000LM	/FIXTURE	3500K	GENERAL	RECESSED	SAME AS TYPE L1 WITH 1400 LUMEN INTEGRAL BATTERY BACKUP.
L2	COLUMBIA: LCAT-22-35-HL-G-ED-U-X	LITHONIA: STACK, METALUX: CRUZ, HEW: AT2	LED	277 V	33 W	/FIXTURE	4000LM	/FIXTURE	3500K	OFFICES	RECESSED	2X2 ARCHITECTURAL TROFFER WITH CENTER BASKET LENS. DIMMING TO 10%. DRIVER / LED MODULES ACCESSED FROM BELOW BY WAY OF REMOVABLE LENS. SAME AS TYPE L2 WITH INTEGRAL BATTERY BACKUP.
L2E	COLUMBIA: LCAT-22-35-HL-G-ED-U-ELL14	LITHONIA: STACK, METALUX: CRUZ, HEW: AT2	LED	277 V	33 W	/FIXTURE	4000LM	/FIXTURE	3500K	OFFICES	RECESSED	SAME AS TYPE L2 WITH INTEGRAL BATTERY BACKUP.
L3	LITECONTROL: 2L-P-D-4-BW-X-35K8-D100-D01-1C-UNV-FA1	PINNACLE: EX2D, NEORAY: DEFINE, ALW: HB3.5	LED	277 V	36 W	/FIXTURE	4000LM	/FIXTURE	3500K	OPEN OFFICE	SUSPENDED	LINEAR LED PENDANT WITH EXTRUDED ALUMINUM HOUSING AND FINISH PER ARCHITECT. DIMMING TO 1%. DIRECT BATWING DISTRIBUTION. REPLACEABLE LED MODULE. HUNG FROM STRUCTURE ON AC CABLE.
L3E	LITECONTROL: 2L-P-D-4-BW-X-35K8-D100-D01-1C-UNV-FA1	PINNACLE: EX2D, NEORAY: DEFINE, ALW: HB3.5	LED	277 V	36 W	/FIXTURE	4000LM	/FIXTURE	3500K	OPEN OFFICE	SUSPENDED	SAME AS TYPE L3 WITH INTEGRAL BATTERY BACKUP.
L5	PRESCOLITE: LTR-4RD-H-SL-15-DM1 / LTR-4RD-T-SL-35-8-WD-X	LITHONIA: LDN4, HALO: HC4, HEW: 4DR	LED	277 V	16 W	/FIXTURE	1500LM	/FIXTURE	3500K	GENERAL	REC-ACT	4" LED DOWNLIGHT WITH WIDE DISTRIBUTION. TRIM AND REFLECTOR FINISH PER ARCHITECT. DIMMING TO 10%.
L5E	PRESCOLITE: LTR-4RD-H-SL-15-DM1-EM / LTR-4RD-T-SL-35-8-WD-X	LITHONIA: LDN4, HALO: HC4, HEW: 4DR	LED	277 V	16 W	/FIXTURE	1500LM	/FIXTURE	3500K	GENERAL	REC-ACT	SAME AS TYPE L5 WITH INTEGRAL BATTERY BACKUP.
L6	PRESCOLITE: LTR-4RD-H-SL-15-DM1 / LTR-4RD-T-SL-35-8-WD-X	LITHONIA: LDN4, HALO: HC4, HEW: 4DR	LED	277 V	16 W	/FIXTURE	1500LM	/FIXTURE	3500K	GENERAL	REC-GYP	4" LED DOWNLIGHT WITH WIDE DISTRIBUTION. TRIM AND REFLECTOR FINISH PER ARCHITECT. DIMMING TO 10%. DAMP LOCATION LISTED FOR COVERED CEILING.
L6E	PRESCOLITE: LTR-4RD-H-SL-15-DM1-EM / LTR-4RD-T-SL-35-8-WD-X	LITHONIA: LDN4, HALO: HC4, HEW: 4DR	LED	277 V	16 W	/FIXTURE	1500LM	/FIXTURE	3500K	GENERAL	REC-GYP	SAME AS TYPE L6 WITH INTEGRAL BATTERY BACKUP.
L8	COLUMBIA: MPS-2-35-MW-C-W-E-U-MPSTH	LITHONIA: ZL1D, METALUX: SNLED, HEW: 78R	LED	277 V	18 W	/FIXTURE	2200LM	/FIXTURE	3500K	BOH	SURFACE	2" LINEAR LED STRIP WITH ROUNDED DIFFUSE LENS. PROVIDE PROVISIONS FOR MOUNT TO WALL.
SW1E	BEGHELLI: MUR-SA-X-CL	ISOLITE: OWL, EVENLITE: WEATHERWAY, LEGION: EMSW	LED	277 V	15 W	/FIXTURE	1500LM	/FIXTURE	4000K	EGRESS	SURFACE	EXTERIOR RATED EMERGENCY LIGHTING UNIT WITH INTEGRAL BATTERY BACKUP. COLD WEATHER RATED WITH INTERNAL HEATER (-25C). 1500LM AC OPERATION & 800LM IN EMERGENCY MODE. INTEGRAL DUST TO DAWN PHOTOCELL. FINISH PER ARCHITECT FROM MANUFACTURERS STANDARD FINISH OPTIONS.
X1	COMPASS: CE	LITHONIA: EXRG, SURELITES: APX, HEW: EXIT	LED	277 V	2 W	/FIXTURE		/FIXTURE	3500K	EGRESS	UNIVERSAL	WHITE THERMOPLASTIC EXIT SIGN WITH LETTERING PER ARCHITECT. INTEGRAL NICAD BATTERY BACKUP.

LIGHTING CONTROL SEQUENCE

NOTES:

- LIGHTING CONTROLS SHALL COMPLY WITH NATIONAL ELECTRICAL CODE (NEC), ILLUMINATING & ENGINEERING SOCIETY (IES) RECOMMENDATIONS, AMERICAN NATIONAL INSTITUTE (ANSI), INDIANA BUILDING CODE (IBC), ASHRAE 90.1-2007, UNIFIED FACILITIES CRITERIA (UFC)....

CONTROL DESIGNATION	SPACE/AREA TYPE	CONTROL INTENT	COMPONENTS	EMERGENCY	CEILING HEIGHT > 12'-0"	NOTES
LC01	EXISTING WAREHOUSE	EXISTING LIGHTING CONTROLS TO REMAIN.			YES	
LC02	CORRIDOR, OPEN OFFICE	LIGHTING TURNS ON WHEN MOTION IS DETECTED BY CEILING MOUNTED 360 DEGREE OCCUPANCY SENSOR. FIXTURES TURN OFF WHEN MOTION HAS NOT BEEN DETECTED FOR 20 MINUTES. FIXTURES DESIGNATED AS 'N1' TO REMAIN ON 24/7.	CEILING MOUNTED 360 DEGREE DUAL TECHNOLOGY OCCUPANCY SENSOR	INTEGRAL BATTERY BACKUP	NO	
LC03	PRIVATE OFFICE, STORAGE, SERVER	LIGHTING TURNS ON WHEN MOTION IS DETECTED BY WALL MOUNTED OCCUPANCY SENSOR. LIGHTS TURN OFF WHEN MOTION FAILS TO BE DETECTED FOR 20 MINUTES.	WALL MOUNTED OCCUPANCY SENSOR	INTEGRAL BATTERY BACKUP	NO	
LC04	OPEN CLASSROOM, CONFERENCE	LIGHTING TURNS ON WHEN MOTION IS DETECTED BY CEILING MOUNTED 360 DEGREE DUAL TECHNOLOGY OCCUPANCY SENSOR. WHEN MOTION FAILS TO BE DETECTED FOR 20 MINUTES, LIGHTING TURNS OFF. LIGHT INTENSITY ADJUSTED USING MANUAL WALL BOX DIMMER.	CEILING MOUNTED DUAL TECHNOLOGY 360 DEGREE OCCUPANCY SENSOR & MANUAL WALL BOX DIMMER	INTEGRAL BATTERY BACKUP	VARIES	
LC05	MECHANICAL / ELECTRICAL	LIGHTING TURNS ON WHEN MOTION IS DETECTED BY 360 DEGREE DUAL TECHNOLOGY OCCUPANCY SENSOR HUNG ON RIGID STEM FROM STRUCTURE. WHEN MOTION FAILS TO BE DETECTED FOR 20 MINUTES, LIGHTING TURNS OFF. LIGHT INTENSITY ADJUSTED USING WALL BOX DIMMERS AS INDICATED BY CORRESPONDING SWITCHLEG.	CEILING MOUNTED DUAL TECHNOLOGY 360 DEGREE OCCUPANCY SENSOR & MANUAL WALL BOX DIMMER	INTEGRAL BATTERY BACKUP	VARIES	





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E602

Branch Panel: B
Location: Space 140
Supply From: MDP
Mounting: RECESSED
Enclosure:
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating:
Mains Type: MCB
Mains Rating: 200 A

Branch Panel: G2
Location: CORR. 2 C02
Supply From: MDP
Mounting: RECESSED
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 42k
Mains Type: MCB
Mains Rating: 100 A

Branch Panel: H
Location: CORR. 2 C02
Supply From: MSB
Mounting: RECESSED
Enclosure: NEMA 1
Volts: 480/277 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 42K
Mains Type: MCB
Mains Rating: 125 A

Branch Panel: G1
Location: CORR. 2 C02
Supply From: MDP
Mounting: RECESSED
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 42k
Mains Type: MCB
Mains Rating: 100 A

SHEET KEYNOTES

- 1 CABLES SHALL BE TERMINATED IN IDF-2 (SIPR). PROVIDE RED DATA CABLES AND RED JACKS FOR THIS LOCATION.
- 2 PROVIDE DATA DROP FOR TEMPERATURE CONTROL PANEL. COORDINATE EXACT LOCATION AND TERMINATION WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
- 3 CONDUIT SHALL HAVE NO MORE THAN 180 DEGREES OF BENDS WITHOUT A PULL BOX. CONTRACTOR SHALL PROVIDE ALL PULL BOXES REQUIRED AS FOLLOWS. A) EVERY 180 DEGREES OF CONDUIT BEND B) EVERY 100 FEET OF CONDUIT PATH.
- 4 NEATLY COIL DATA CABLING IN LADDER TRAY. PROVIDE ENOUGH SLACK SO THAT CABLING CAN BE PULLED DOWN TO DESK HEIGHT.
- 5 PROVIDE CATEGORY 6A DROP(S) FOR WIRELESS ACCESS POINT. PROVIDE 20FT. SLACK LOOP COILED NEATLY AND SUPPORTED ABOVE THE CEILING. TERMINATE CABLES WITH RJ45 MODULAR JACKS AND TEST PER SPECIFICATIONS. NOTE LOCATION ON THE RECORD DRAWINGS AND MARK LOCATION ON CEILING WITH GREEN DOT STICKER.



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FIRST FLOOR TECHNOLOGY PLAN

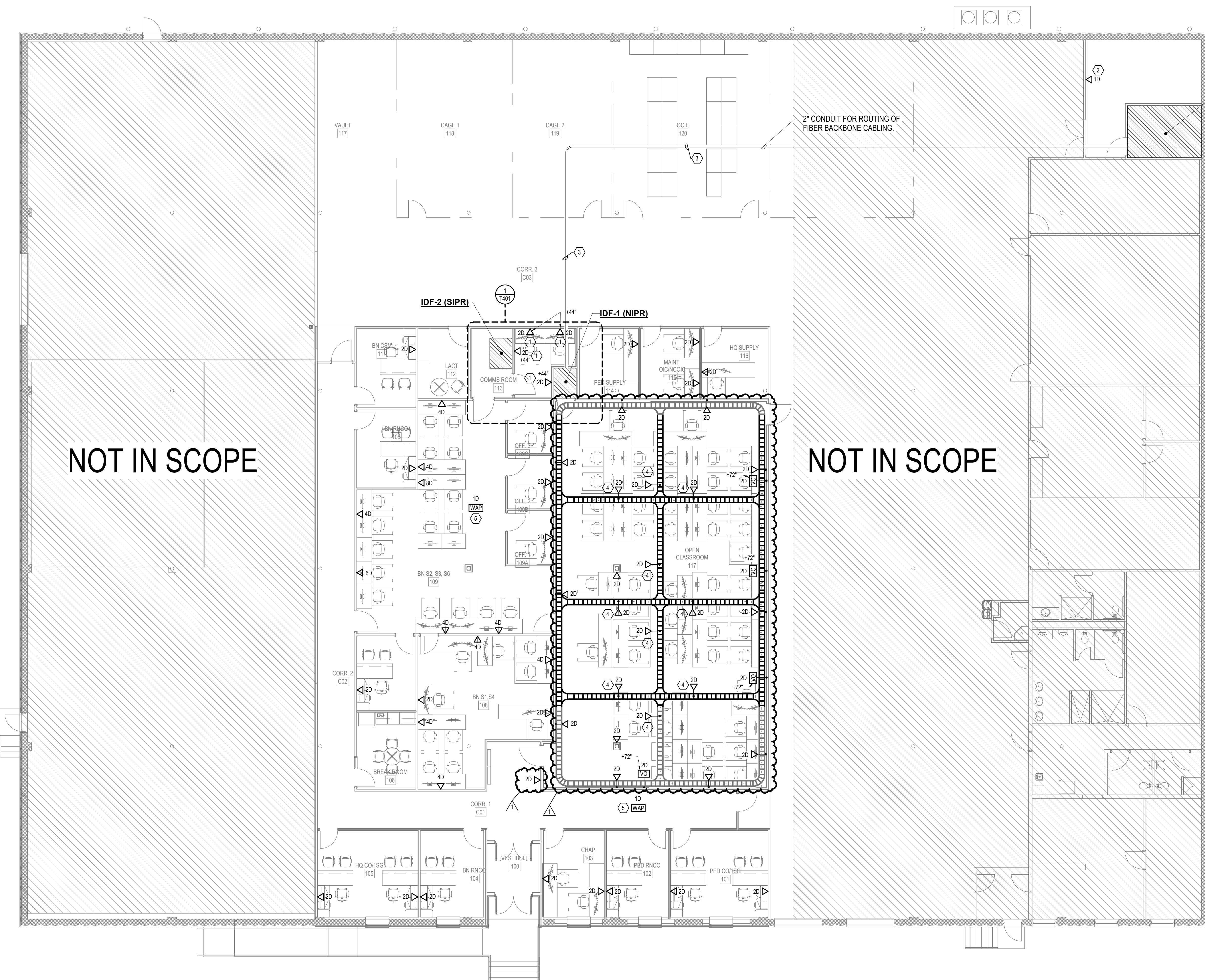
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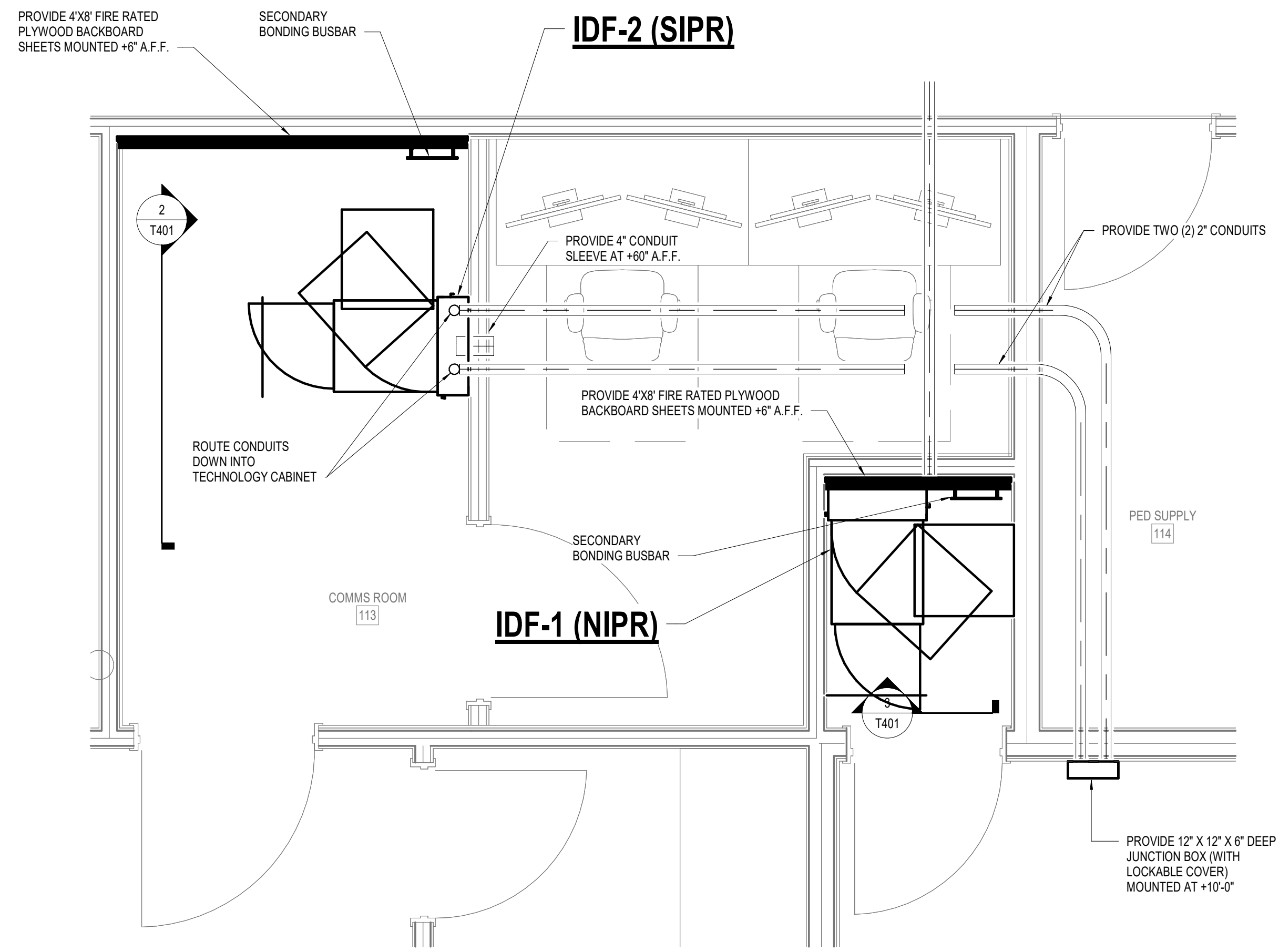
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Job# 24105

T101

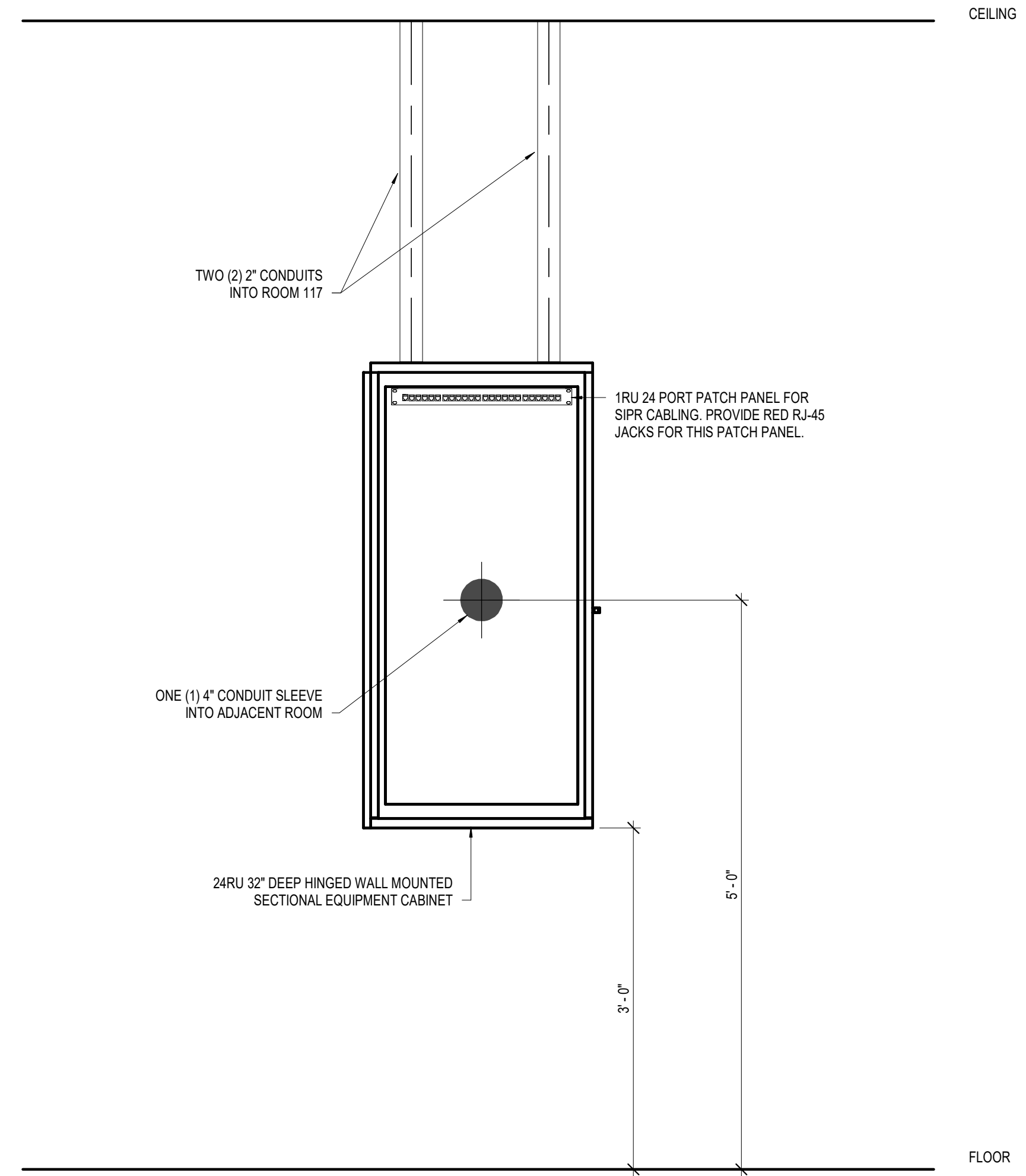


NOTE:
ALL DATA CABLING INDICATED ON THIS DRAWING SHALL BE ROUTED TO IDF-1 (NIPR) UNLESS NOTED OTHERWISE.

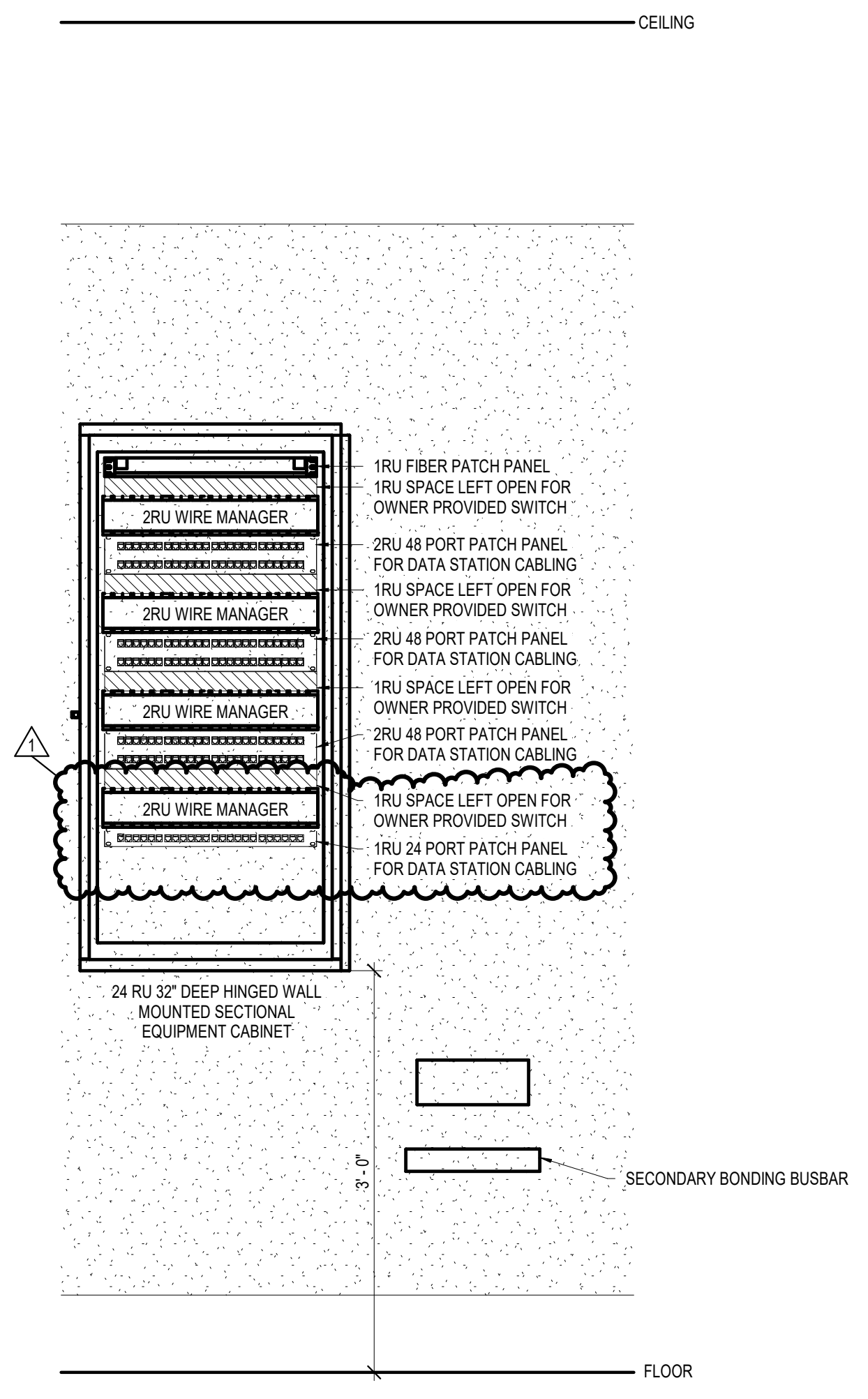
1 FIRST FLOOR TECHNOLOGY PLAN
1/8" = 1'-0"



1 COMMS ROOM 113 ENLARGED PLAN
1/2" = 1'-0"



2 IDF-2 (SIPR) - SOUTH ELEVATION
1" = 1'-0"



3 IDF-1 (NIPR) - EAST ELEVATION
1" = 1'-0"



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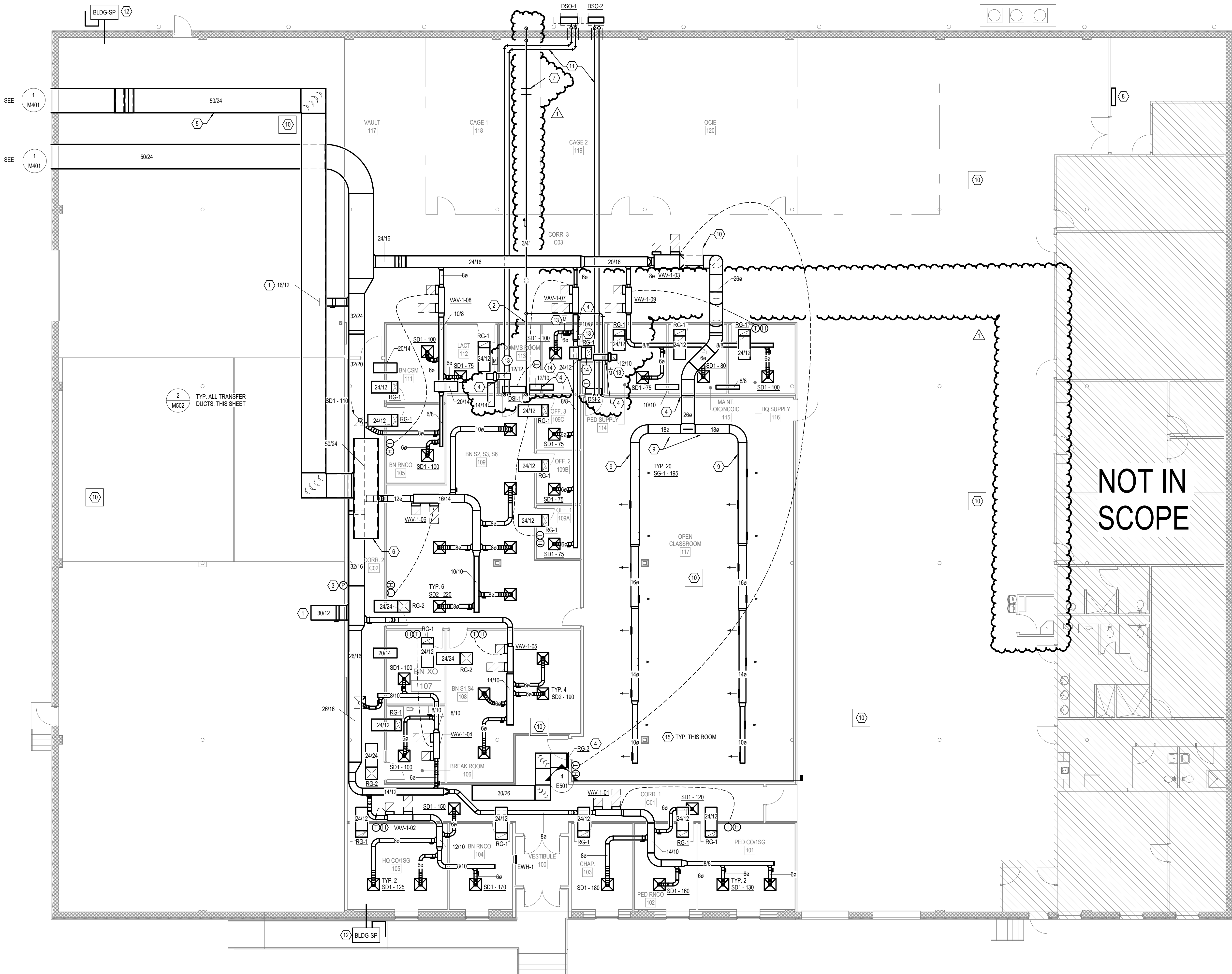
TECHNOLOGY
ENLARGED
PLANS

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T401



GENERAL NOTES

- A REFER TO SHEET M-000 FOR GENERAL MECHANICAL NOTES, SYMBOLS AND ABBREVIATIONS.
- B INSULATE ALL SUPPLY AIR DUCT, REFRIGERANT PIPING, CONDENSATE PIPING IN ACCORDANCE WITH SPECIFICATIONS.
- C IT IS THE CONTRACTORS RESPONSIBILITY TO COORDINATE THE LHRH ORIENTATION OF ALL MECHANICAL EQUIPMENT AND ENSURE SUFFICIENT SPACE EXISTS FOR SERVICE CONSISTENT WITH THE MFRGR RECOMMENDED SERVICE CLEARANCES.
- D STRICT LEAKAGE REQUIREMENTS EXIST FOR ALL NEW DUCT. SEE METAL DUCTS SPECIFICATION FOR SEAL CLASS, LEAKAGE CLASS, AND PRESSURE TESTING REQUIREMENTS.

SHEET KEYNOTES

- 1 CAP AND SEAL AIRTIGHT.
- 2 BASE BID. EXTEND PUMPED CONDENSATE TO EAST EXTERIOR WALL. AB1-1. EXCLUDE CONDENSATE PUMP AND ROUTE CONDENSATE TO NEW FLOOR DRAIN IN ASSOCIATED ROOM (TYP. 2).
- 3 PROVIDE WELDED SECURITY BARS AT DUCT OPENING INTO ROOM / DUCT THROUGH WALL - EQUAL TO GREENHECK XG-SGDB. INSTALL PER MANUFACTURER REQUIREMENTS.
- 4 INTERNALLY LINE ALL RETURN AIR DUCTWORK - REFER TO SPECIFICATIONS.
- 5 PROVIDE AIR SCREEN MATERIAL OVER RETURN AIR OPENINGS (TYP. 2).
- 6 3/4" COPPER CONDENSATE TRANSITION TO PVC PIPE AT POINT SHOWN AND ROUTE CONDENSATE TO EXTERIOR WALL. PROVIDE CONDENSATE TRAP LOW AT VERTICAL DROP.
- 7 TEMPERATURE CONTROL DUC PANEL.
- 8 EXPOSED DUCTWORK SHALL BE DOUBLE WALL WITH PAINT GRIP APPLIED. TYP. DUCT THIS ROOM.
- 9 EXISTING GAS HEATER OVERHEAD TO REMAIN.
- 10 REFRIGERANT LINES SIZED PER MANUFACTURER REQUIREMENTS. PROVIDE SLEEVE THROUGH EXTERIOR WALL - REFER TO DETAIL.
- 11 BUILDING DIFFERENTIAL STATIC PRESSURE SENSOR. SEE SEQUENCE OF OPERATION.
- 12 DIV. 230923 SHALL ROUTE A CABLE FROM THE FIRE ALARM CONTROL PANEL TO DETERMINE WHEN THE CLEAN AGENT SYSTEM HAS BEEN ACTIVATED. WHEN THE CLEAN AGENT SYSTEM IS ACTIVATED IN THIS SPACE, THE MOTORIZED DAMPERS SHALL CLOSE TO COMPLETELY SEAL IN THE SPACE.
- 13 PROVIDE HOLD DOWN CLIPS FOR THIS DIFFUSER / GRILLE TO RESTRAIN IN PLACE DURING CLEAN AGENT SYSTEM DISCHARGE.
- 14 ANGLE DUCT MOUNTED GRILLES 30 DEGREES DOWNWARD. TYPICAL THIS ROOM.



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FIRST FLOOR
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1 FIRST FLOOR MECHANICAL PLAN
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MECHANICAL
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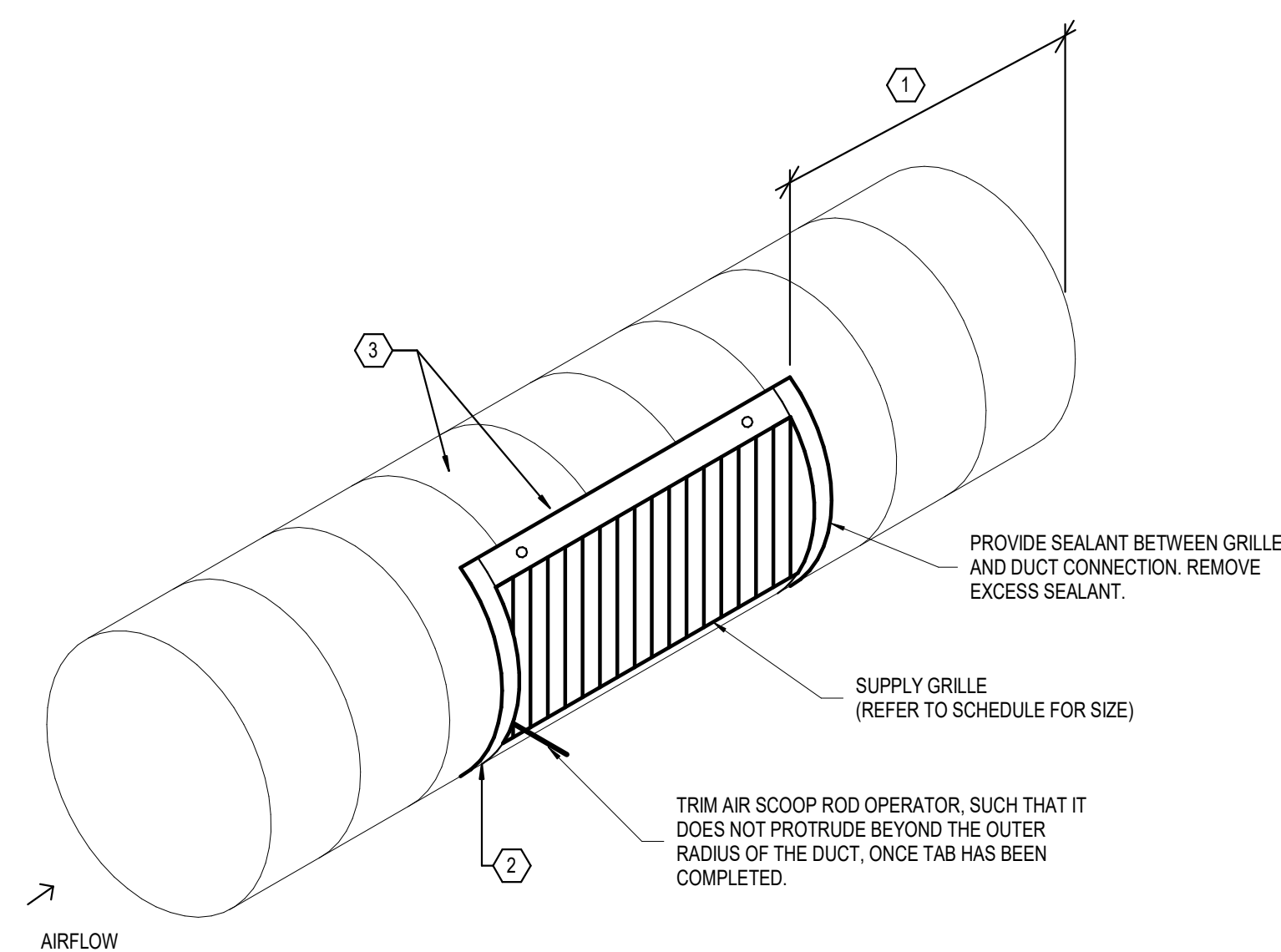
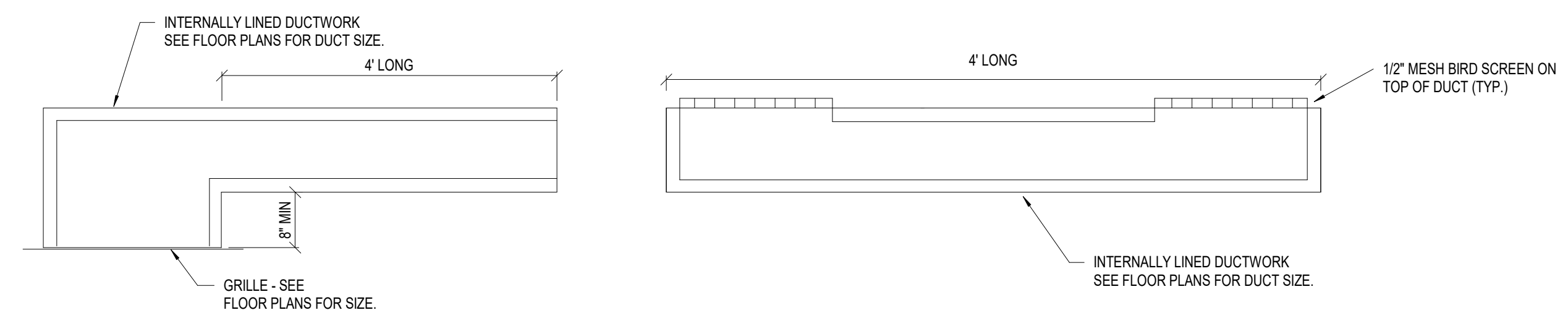
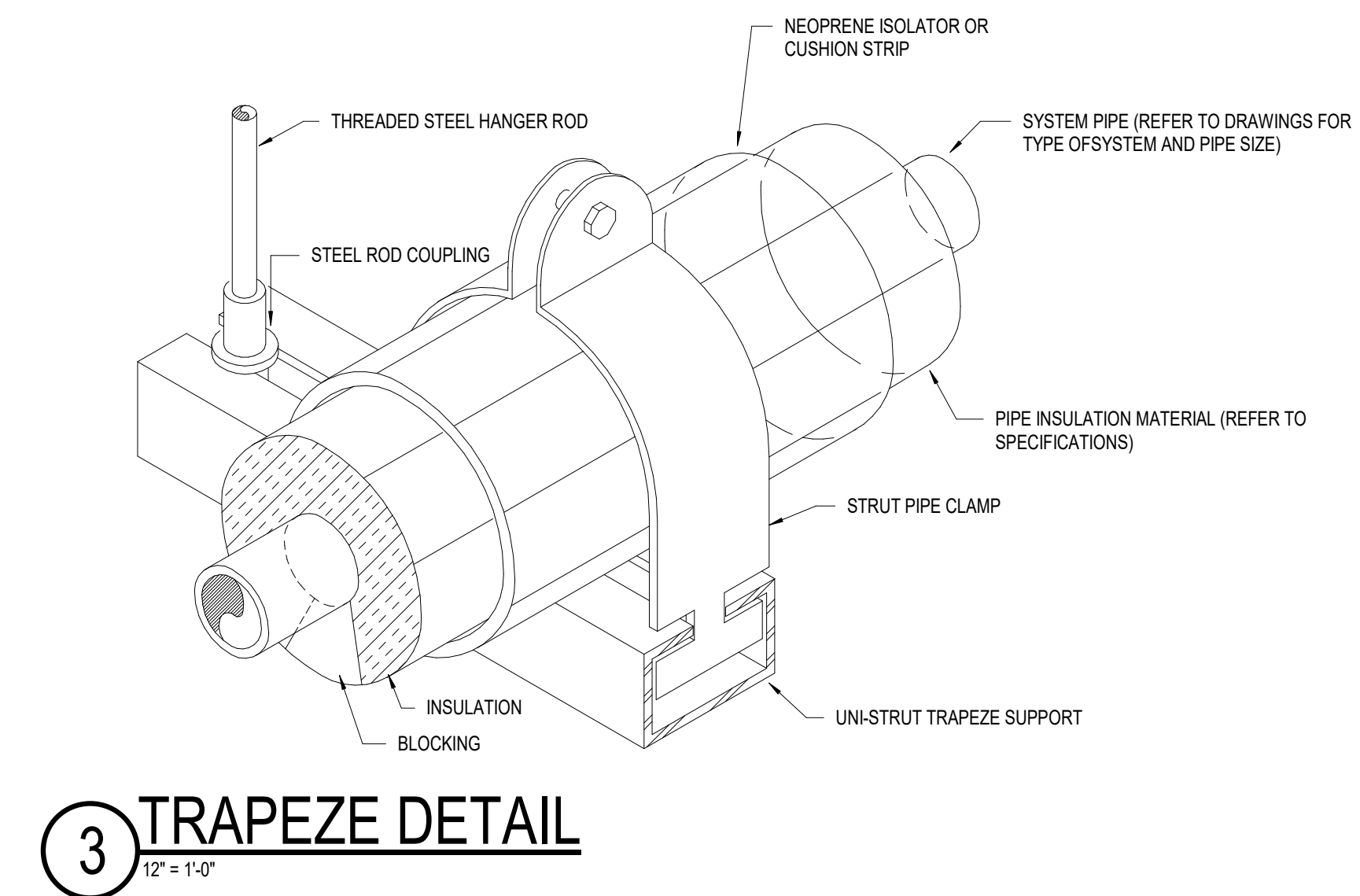
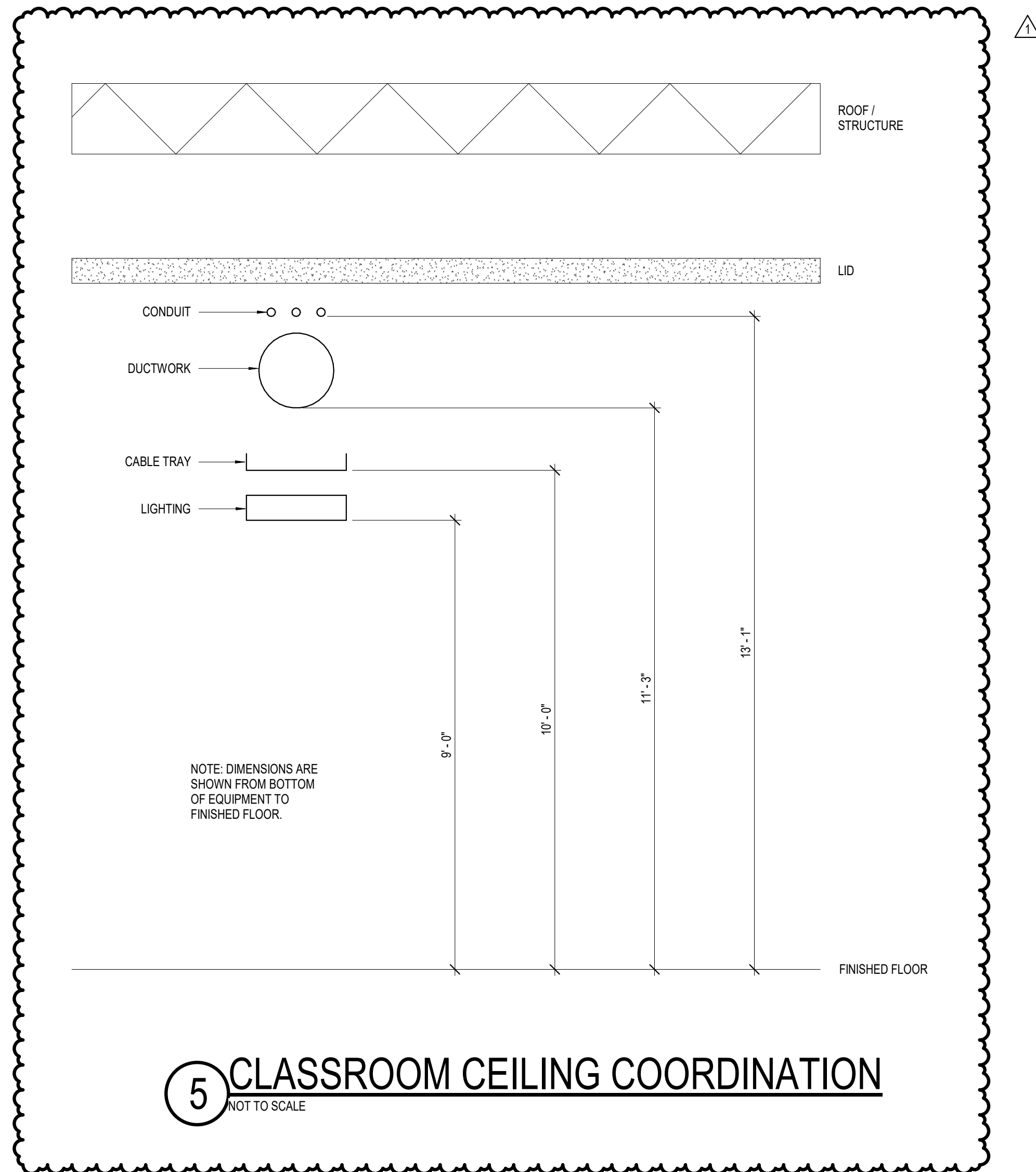
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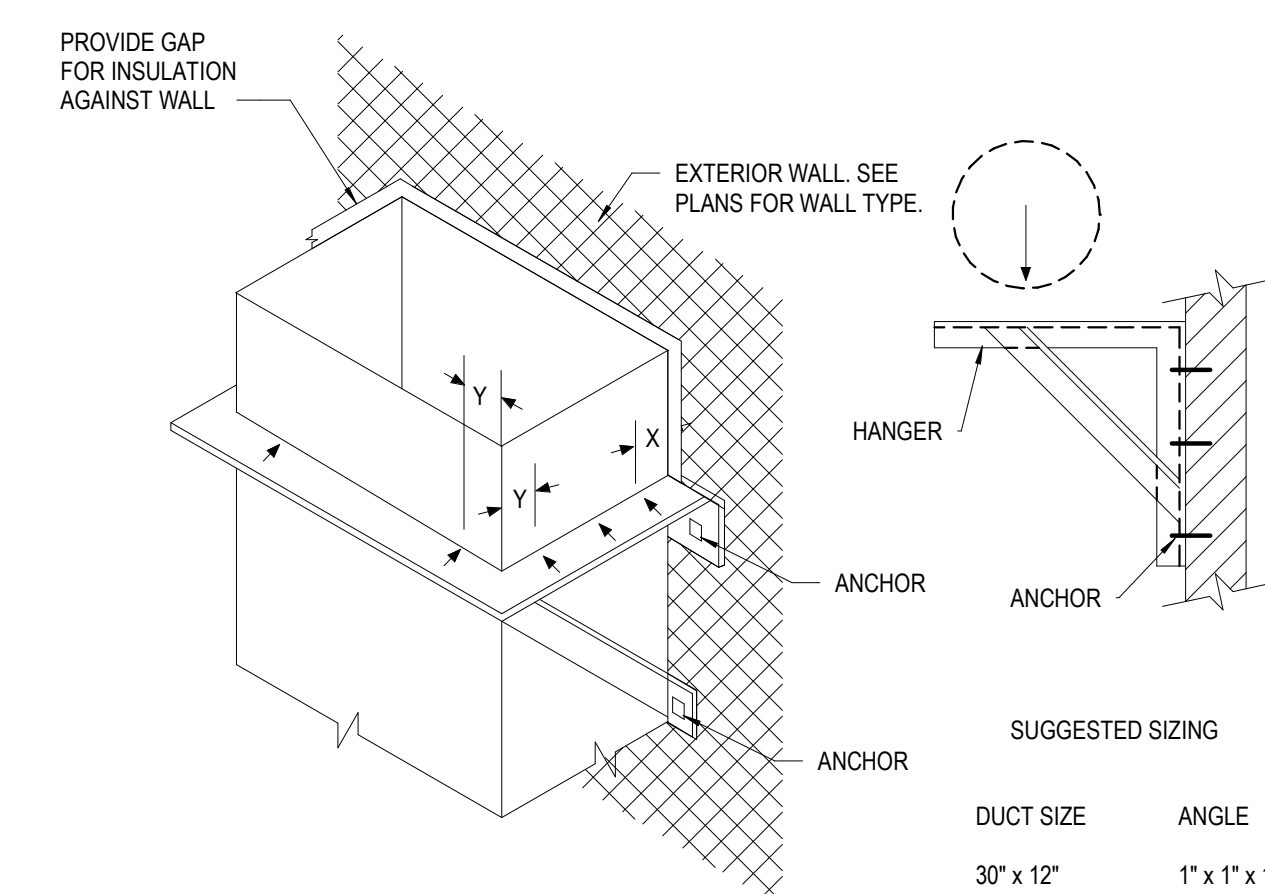
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Job# 24105

M502



DETAIL NOTES

1. MINIMUM 2'-0" FROM END OF DUCT.
2. CURVATURE OF GRILLE TO MATCH OUTER DIAMETER OF DUCT.
3. UTILIZE PAINT GRIP FINISH ON DUCT AND GRILLE.



NOTES:

1. BRACKETS ARE SIZED FOR 12 FEET OF DUCT, MAXIMUM.
2. LOCATE DUCTS AGAINST WALL OR MAXIMUM OF 2" AWAY FROM WALL.
3. EACH WALL ANCHOR SHALL SATISFY THE FOLLOWING CRITERIA UNLESS OTHER ANALYSIS IS MADE:
 - A. TENSILE LOAD = 3/8 x DUCT WEIGHT; SAFETY FACTOR 4.
 - B. SHEAR LOAD = 1/2 x DUCT WEIGHT; SAFETY FACTOR 4.

* WELD, BOLT OR NO. 8 SCREW (MIN.) DEVIATION PERMITTED BY OTHER ANALYSIS. X = 1", Y = 2". ADD OTHERS TO ACCOMMODATE LOAD. MINIMUM OF 3 ON 24" WIDTH AND UP. ADD ALONG SIDES NEAREST ANCHORS.

