

HCCSC Horace Mann Elementary HVAC Replacement

Project # 2025.0014

9-28-2026

ADDENDUM NO. 01

This addendum is issued as a supplement to the plans and specifications and shall be considered an integral part of the same. Acknowledgement of receipt of this addendum is required on the Bid Form.

Item: A-1.1
Location: General
Description: Incorporate the Pre-Bid Meeting Minutes held 09-24-2026 and issued 09-28-2026 into the contract documents.

Item: A-1.2
Location: Drawings
Description: Replace existing drawing sheet A9.1 Reflected Ceiling Plan – Unit A, dated 9-21-2026, with Revised drawing sheet A9.1 Reflected Ceiling Plan-Unit A dated 9-28-2026.
Changes: **Revised orientation of removed ceiling panels in Classrooms**

Item: A-1.3
Location: Drawings
Description: Replace existing drawing sheet A9.2 Reflected Ceiling Plan – Unit B, dated 9-21-2026, with Revised drawing sheet A9.2 Reflected Ceiling Plan-Unit B dated 9-28-2026.
Changes: **Revised orientation of removed ceiling panels in Classrooms**

Item: A-1.4
Location: Drawings
Description: Replace existing drawing sheet A9.3 Reflected Ceiling Plan – Unit C, dated 9-21-2026, with Revised drawing sheet A9.3 Reflected Ceiling Plan-Unit C dated 9-28-2026.
Changes: **Revised orientation of removed ceiling panels in Classrooms**

Item: A-1.5
Location: Drawings
Description: Replace existing drawing sheet A9.4 Reflected Ceiling Plan – Unit D, dated 9-21-2026, with Revised drawing sheet A9.4 Reflected Ceiling Plan-Unit D dated 9-28-2026.
Changes: **Revised orientation of removed ceiling panels in Classrooms**

Item: A-1.6
Location: Drawings
Description: Replace existing drawing sheet MG1.0 Mechanical General Notes, dated 9-21-2026, with Revised drawing sheet MG1.0 Mechanical General Notes dated 9-28-2026.
Changes: **Revised General Note.**

Item: A-1.7
Location: Drawings
Description: Replace existing drawing sheet MD1-1B First Floor Mechanical Demolition Plan – Unit B, dated 9-21-2026, with Revised drawing sheet MD1-1B First Floor Mechanical Demolition Plan – Unit B dated 9-28-2026.
Changes: **Select VAVs that don't have fans: add piping information. Show the pipe routing to VAVs and demolition for reconnection.**

Item: A-1.8
Location: Drawings
Description: Replace existing drawing sheet MD1-1C First Floor Mechanical Demolition Plan – Unit C, dated 9-21-2026, with Revised drawing sheet MD1-1C First Floor Mechanical Demolition Plan – Unit C dated 9-28-2026.
Changes: **Select VAVs that don't have fans: add piping information. Show the pipe routing to VAVs and demolition for reconnection.**

Item: A-1.9
Location: Drawings
Description: Replace existing drawing sheet M1-1B First Floor Mechanical Plan – Unit B, dated 9-21-2026, with Revised drawing sheet M1-1B First Floor Mechanical Plan – Unit B, dated 9-28-2026.
Changes: **Select VAVs that don't have fans: add piping information. Shows all piping reconnections to units VAV-B1, VAV-B2, and VAV-C1, accordingly.**

HCCSC HORACE MANN ELEMENTARY SCHOOL HVAC REPLACEMENT

Pre-Bid Meeting Minutes

Project # 2026.0014

September 24, 2026

Minutes Issued: 09/28/2026

Location: Horace Mann Elementary School, Huntington IN

Those Present:

Kenny Hanson	HCCSC	KHanson@hccsc.k12.in.us
Terry Thornsby	Viridian Architectural Design	terry@viridian-design.net
Nate Fast	Viridian Architectural Design	nate@viridian-design.net
Jason Brand	SCO Engineering	jbrand@sco-llc.com
Jim Hyde	CHI Engineering	chiengineering@frontier.com
Jim Dingman	Wagner-Meinert	jdingman@wmillc.com
Ted Baum	Two Cubed	sbaum23@protonmail.com

See sign in sheet for additional attendees- Attached

ITEMS DISCUSSED:

1. Sign-in Sheet was made available and all attendees were asked to sign in.
2. Introductions were made of the Design Team Personnel.
3. The project is a public bid project, and the Indiana Common wage Act (Section 007375), applies to the project, see the requirements listed in the specifications.
4. There are a few checklists in the documents for the contractor to verify that all items are submitted. Section 004393 Bid Submittal covers items to be included in the bid submission, and 007400 Contractor Checklist covers items needed to execute the contract.
5. The project is tax exempt. There are a 5% Bid Bond and 100% Performance and Payment Bond.
6. There is a Contingency Allowance (Section 012100) that is to be included in the base bid.
7. There are Alternates (Section 012300) that are to be included on the bid sheet.
8. HCCSC Horace Mann is a **NO** tobacco campus to include all cigarettes, chewing tobacco, e-cigarettes, etc.
9. Bidders were allowed to inspect the site following the Pre-Bid. Contractors may contact Richard Hertel
RHertel@hccsc.k12.in.us for additional access to the site.
10. Construction for submittals will start as soon as the project is awarded, by December 2026.
11. The project has a Substantial Completion deadline of July 30, 2027.

12. Drawings and specification books can be ordered / picked up at Eastern Engineering in Fort Wayne (1239 Wells Street, Fort Wayne, IN, P: 800-782-4115). Bidders must purchase drawings from Eastern Engineering in order to be on Bidder List and Receive addenda updates. Complete hard copy sets can be purchased for a \$400 refundable deposit. Sets may be returned that are complete, reasonably clean, and free of pen / pencil or highlighter marks within 10 days from Bid date.
13. All questions and requests for substitutions shall be submitted to Nate Fast via email (nate@viridian-design.net) no later than 12 noon Thursday, October 1, 2026, for consideration.
14. HCCSC schools will be receiving sealed Bids for the Horace Mann HVAC Replacement project up until 11:00 am on Thursday, October 8, 2026 at the Horace Mann Elementary School located at 2485 Waterworks Road, Huntington IN 46750. Bid opening will be immediately after.

Comments / Questions at the Prebid Meeting

1. A commissioning agent is already on the team.
2. Phase I may start before the end of the school year, before summer. Remaining phases and all mechanical equipment to be installed by July 30, 2027. Commissioning to continue into the Fall of 2027.
3. Alternates, if accepted, may be worked into the schedule and must be complete by July 30, 2027.
4. New building controls graphics and integration shall be provided by Two-cubed Solutions, no substitutions.

Any revisions to these minutes, please notify the undersigned.

Respectfully submitted,

A handwritten signature in black ink that reads "Nate Fast". The signature is stylized with a large, bold "N" and "F", and the name "Nate Fast" is written in a cursive-like script.

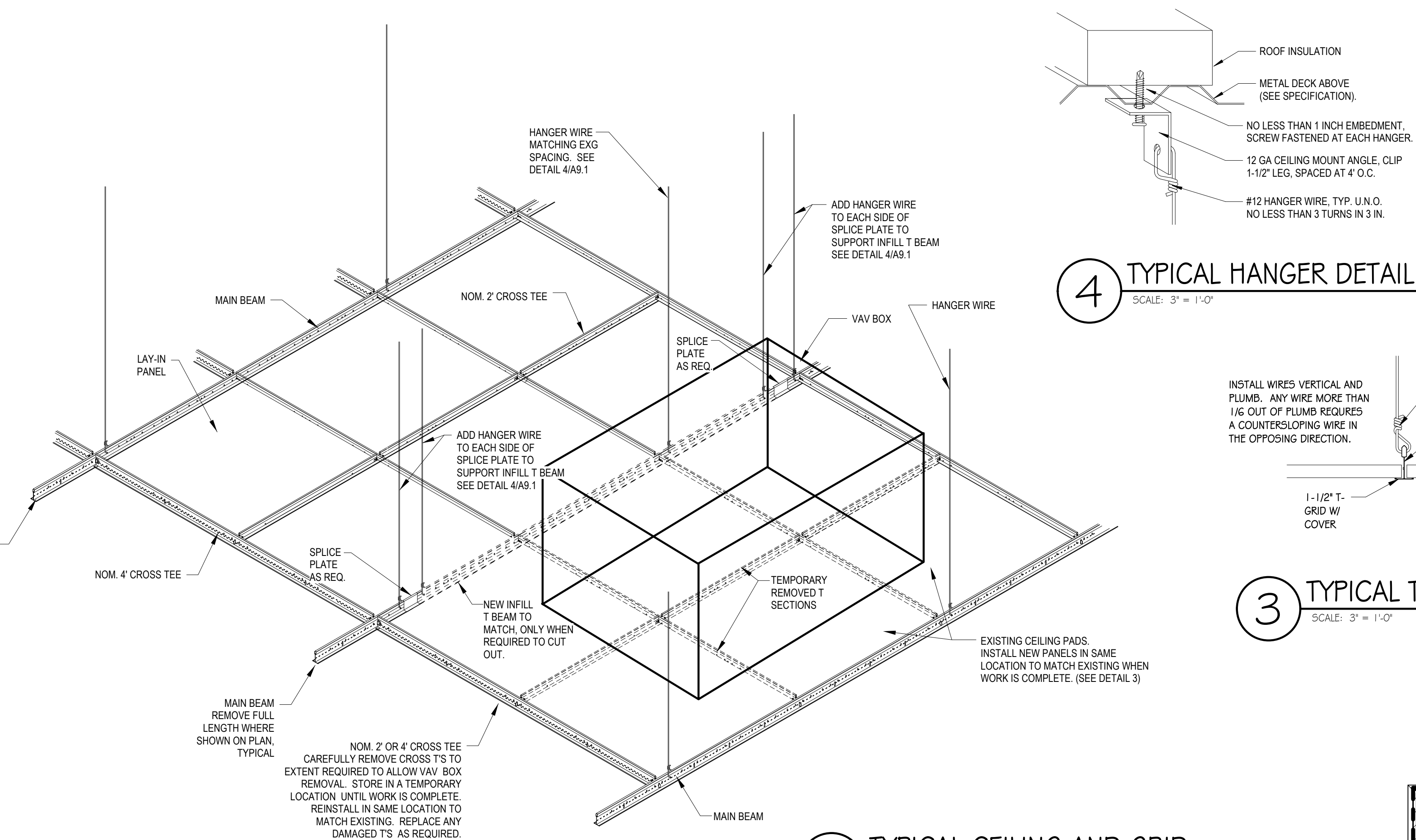
Nate Fast, Architect
Viridian Architectural Design, Inc.



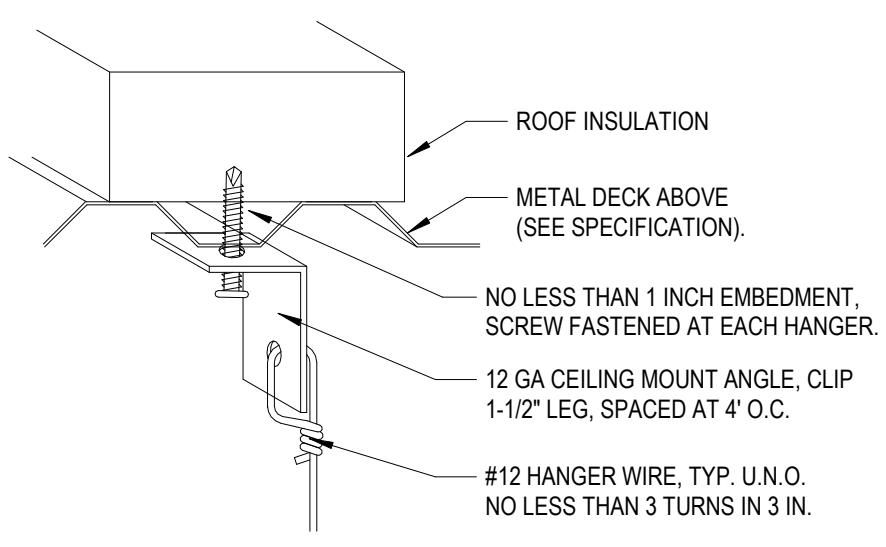
PLEASE PRINT CLEARLY. PLEASE LEAVE A BUSINESS CARD, IF AVAILABLE.

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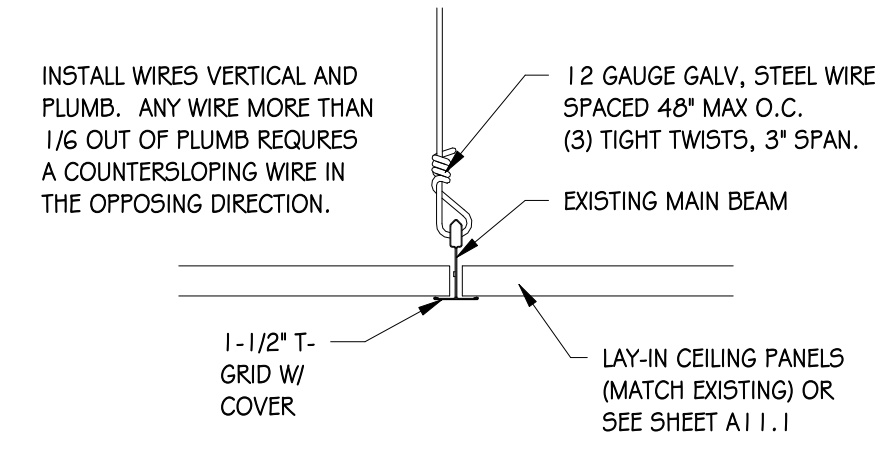
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one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot



2 TYPICAL CEILING AND GRID
SCALE: 1" = 1'-0"



4 TYPICAL HANGER DETAIL
SCALE: 3" = 1'-0"



3 TYPICAL T-GRID DETAIL
SCALE: 3" = 1'-0"

- LEGEND
- APPROXIMATE NUMBER OF CEILING PANELS AND GRID SHOWN FOR REMOVAL TO ACCESS VAV BOX LOCATIONS SEE REFL. CEILING PLANS AND MECHANICAL DWGS.
 - MECHANICAL SLOT DIFFUSERS SEE MECH. DWGS.
 - ELECTRICAL LIGHTING SEE ELEC. DWGS.
 - METAL FRAMED GYPSUM BOARD CEILING
 - SMOKE DETECTOR

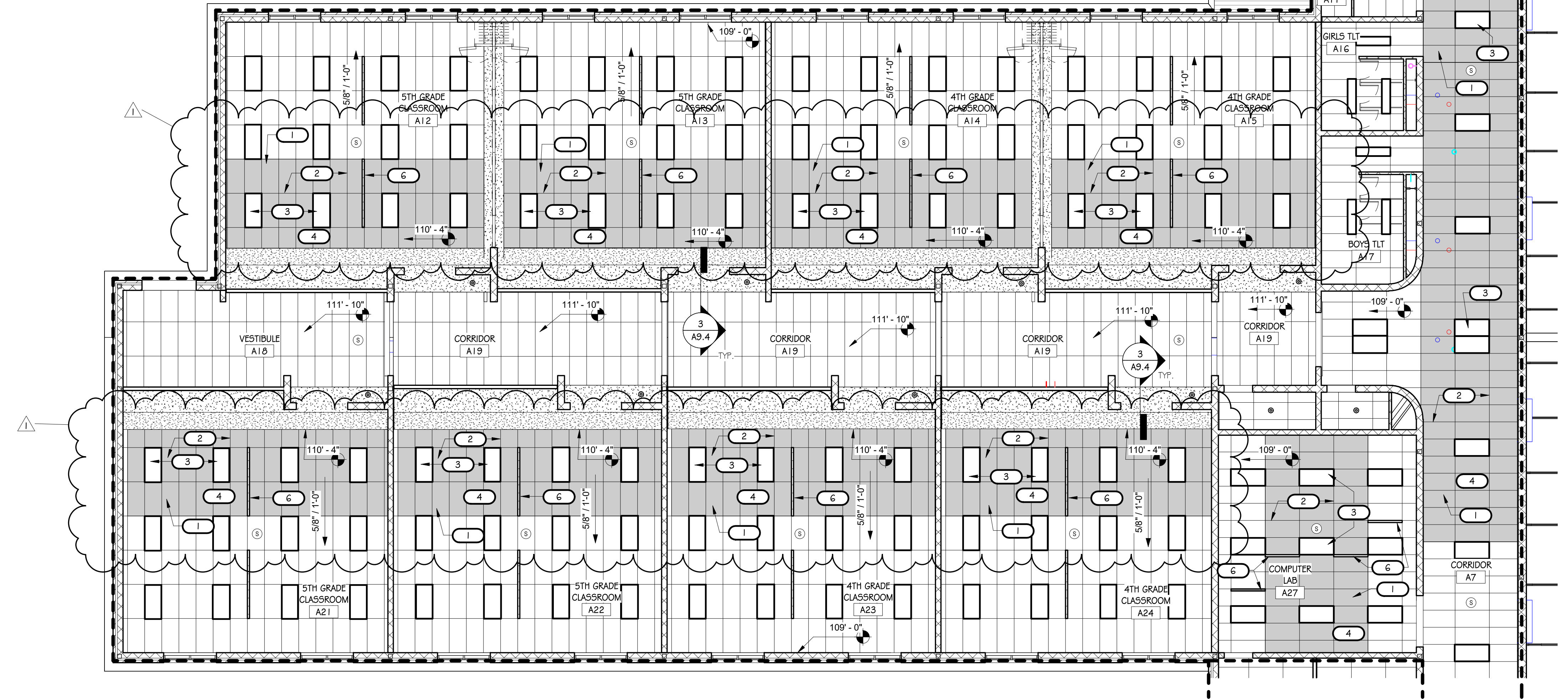
- GENERAL NOTES:
- CONTRACTOR TO REMOVE ALL CEILING GRID AND TILE NEEDED FOR REMOVAL AND REPLACEMENT OF ALL VAV UNITS TO INCLUDE ALL BRANCH DUCTWORK, PIPING, INSULATION, ETC. CONTRACTOR IS RESPONSIBLE FOR THE REPLACEMENT OF ALL DAMAGED CEILING GRID AND TILE. NEW CEILING GRID AND TILE TO MATCH EXISTING, AS REQUIRED. AMOUNT OF CEILING GRID AND TILE SHOWN FOR REMOVAL IS FOR GENERAL REFERENCE ONLY AND IS NOT EXACT.
 - CEILING PANEL TYPE, MODEL AND STYLE, SHALL BE PUT BACK IN THE SAME LOCATION AS THEY WERE BEFORE WORK BEGAN.
 - CONTRACTOR TO COORDINATE THE TEMPORARY SHUTDOWN, REMOVAL AND REINSTALLATION OF ALL SMOKE DETECTORS AND RELATED ELECTRONIC DEVICES WITHIN THE AREAS OF WORK IN EACH ROOM. COORDINATE WITH THE MECHANICAL AND ELECTRICAL DRAWINGS.

CEILING PANEL TYPES (SEE SHEET A1 I.1)	PANELS
A4 - BOOK STORAGE	AT-6
A6 - WAITING	AT-5
A7 - CORRIDOR	AT-4
A10 - SPEECH / HEARING	AT-1
A12 - CLASSROOM	AT-1
A13 - CLASSROOM	AT-1
A14 - CLASSROOM	AT-1
A15 - CLASSROOM	AT-1
A21 - CLASSROOM	AT-1
A22 - CLASSROOM	AT-1
A23 - CLASSROOM	AT-1
A24 - CLASSROOM	AT-1
A27 - COMPUTER LAB	AT-6

- GENERAL CONSTRUCTION NOTES
- DIMENSIONS ARE FROM CORNER TO CORNER OF OPENING, OR TO FACE OF WALL UNLESS NOTED OTHERWISE.
 - CONTRACTOR TO COORDINATE ALL WORK BETWEEN TRADES, INCLUDING BETWEEN FINISH CONTRACTOR AND ELECTRICAL, ON ALL LIGHT FIXTURES, WIRING, AND FINISHES.
 - CONTRACTOR TO PROVIDE ALL RELATED FASTENERS, TRIM AND ACCESSORIES REQUIRED TO INSTALL PRODUCTS PER MANUFACTURER'S WRITTEN INSTRUCTIONS. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR NECESSARY TO COMPLETE WORK. ALL WORK SHALL BE EXECUTED IN A WORKMANLIKE MANNER IN ACCORDANCE WITH THE BEST TRADE PRACTICES AND CURRENT INDUSTRY STANDARDS.
 - IN CLASSROOMS WITH VAV BOXES, MOST OF THESE ROOMS HAVE NEW CARPET. ALL CONTRACTORS ARE RESPONSIBLE TO THOROUGHLY PROTECT ALL CARPETS AND RELATED ADJACENT SURFACES FROM DAMAGE IN AREAS OF WORK. ALL CONTRACTORS ARE RESPONSIBLE FOR CLEANING SITE TO THE BEST OF THEIR ABILITIES AT THE END OF EACH WORK DAY.
 - ALL CONTRACTORS ARE RESPONSIBLE FOR ANY DAMAGES CAUSED BY THEM DURING THE CONSTRUCTION PROCESS. IN THE EVENT OF ANY DAMAGES CONTRACTOR IS TO CONTACT THE OWNER IMMEDIATELY PRIOR TO THE END OF THE DAY OF CONSTRUCTION.
 - CONTRACTORS ARE RESPONSIBLE FOR ALL MEANS, METHODS, SEQUENCES AND TECHNIQUES OF CONSTRUCTION, AND SHALL COORDINATE THE SYSTEM REQUIREMENTS OF THE OWNER TO ALL SUBCONTRACTORS, MATERIAL SUPPLIERS AND TRADES UNDER AGREEMENT. THE CONTRACTOR IS RESPONSIBLE FOR MEETING OR EXCEEDING THE QUALITY EXPECTATIONS OF WORK SPECIFIED AND TO LEAVE THE FINISHES COMPLETE AND WITH A LIKE APPEARANCE THAT IS EQUAL TO OR IN BETTER CONDITION THAN WHAT WAS FOUND PRIOR TO STARTING WORK.
 - ALL EQUIPMENT INSTALLED SHALL BE FULLY TESTED AND OPERATIONAL, MEETING ALL REQUIREMENTS OF THE SPECIFICATIONS AND MANUFACTURER'S WARRANTY.

REFLECTED CEILING PLAN NOTES

- CAREFULLY REMOVE EXISTING CEILING PANELS AND STORE IN A TEMPORARY LOCATION. PROVIDE NEW CEILING PANELS WHERE EXISTING PANELS ARE BROKEN WITH SIZES TO MATCH EXISTING. REINSTALL IN SAME LOCATION WHEN WORK IS COMPLETE.
- CAREFULLY REMOVE CROSS TS TO EXTENT REQUIRED TO ACCESS VAV BOXES AND RELATED DUCTWORK FOR REMOVAL AND REPLACEMENT OF UNIT. STORE CROSS TS IN A TEMPORARY LOCATION; TAKE CARE TO PREVENT DAMAGE TO CROSS TS. REMOVE MAIN BEAMS FULL LENGTH TO ALLOW ACCESS FOR WORK; PROTECT CEILING NOT WITHIN SCOPE OF WORK FROM DAMAGE. PROVIDE NEW MAIN TS WITH SPURCE PLATES WHERE REQUIRED. REINSTALL ALL CROSS-T GRIDS AND NEW CEILING PANELS AFTER WORK IS COMPLETE TO MATCH EXISTING CEILINGS. SEE DETAIL 2 & 3 / A5.1. SEE MECHANICAL AND ELECTRICAL DWGS. FOR ADDITIONAL INFORMATION.
- EXISTING LIGHT FIXTURES, PROTECT FROM DAMAGE. SEE ELECTRICAL DWGS. FOR ADDITIONAL INFORMATION.
- OTHER EXISTING ELECTRICAL DEVICES IN THE AREA OF WORK SUCH AS SMOKE DETECTORS, ALARMS, WIFI TRANSMITTERS, AND SIMILAR ITEMS. CONTRACTOR SHALL PROTECT THESE ITEMS FROM DAMAGE. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- CONTRACTOR TO REMOVE EXISTING DRYWALL AND CEILING FRAMING TO EXTENT REQUIRED TO GET ACCESS TO THE MECHANICAL EQUIPMENT FOR COMPLETION OF WORK. REINSTALL CEILING FRAMING AND DRYWALL AND FINISH TO MATCH EXISTING AFTER WORK IS COMPLETE. FIELD VERIFY EXTENT OF DUCTS CROSSING THROUGH BULKHEAD.
- CONTRACTOR TO PROTECT EXISTING SLOT DIFFUSERS; COORDINATE WITH ADJACENT CEILING AND MECHANICAL WORK. REMOVE AND REINSTALL AS REQUIRED. SEE MECHANICAL DWGS FOR ADDITIONAL INFORMATION.
- CONTRACTOR TO REMOVE EXISTING ACCESS PANEL AND STORE IN A TEMPORARY LOCATION AND REINSTALL BACK IN THE SAME LOCATION WHEN WORK IS COMPLETE.



one and one half inches = one foot

one inch = one foot

three quarters inch = one foot

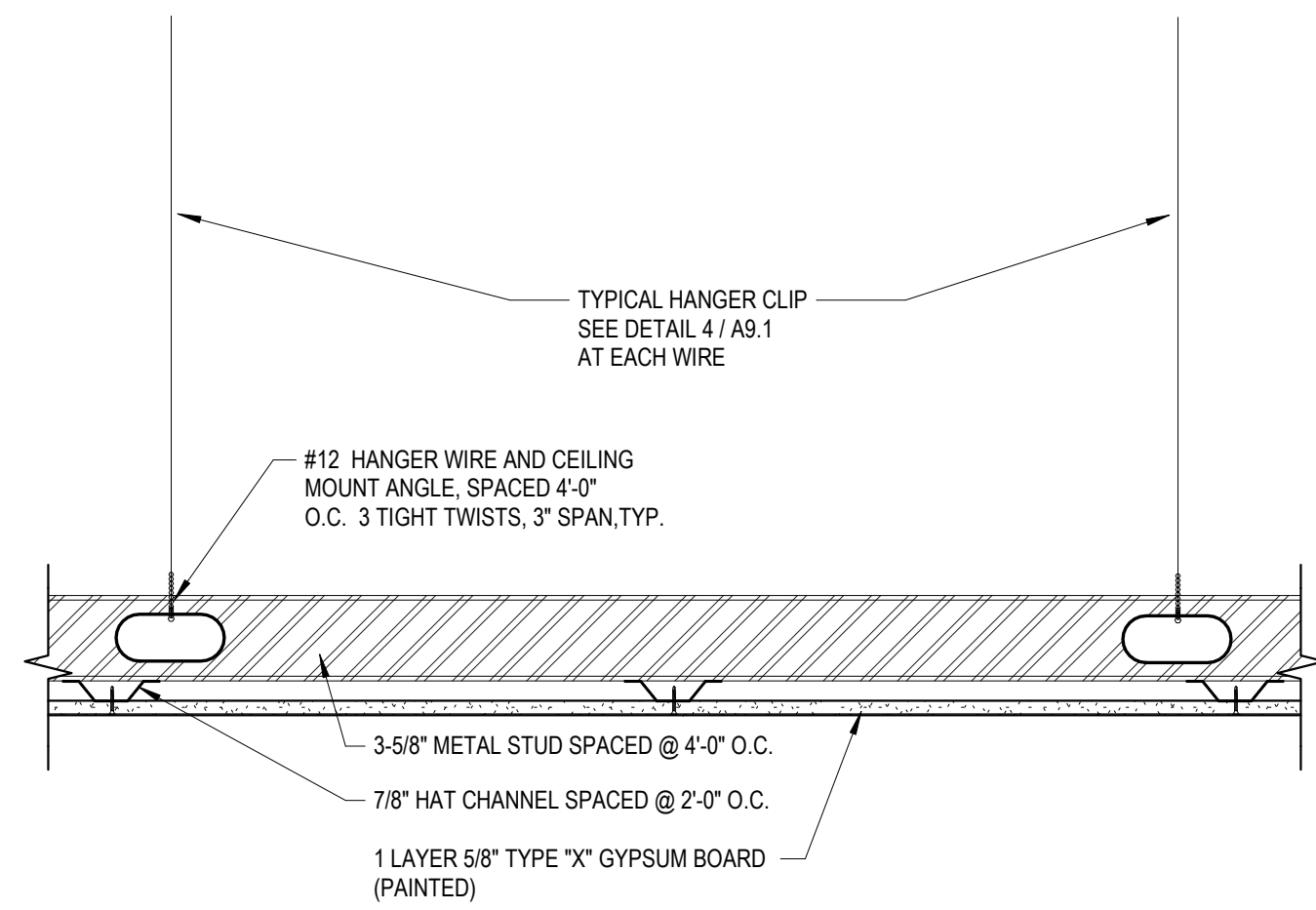
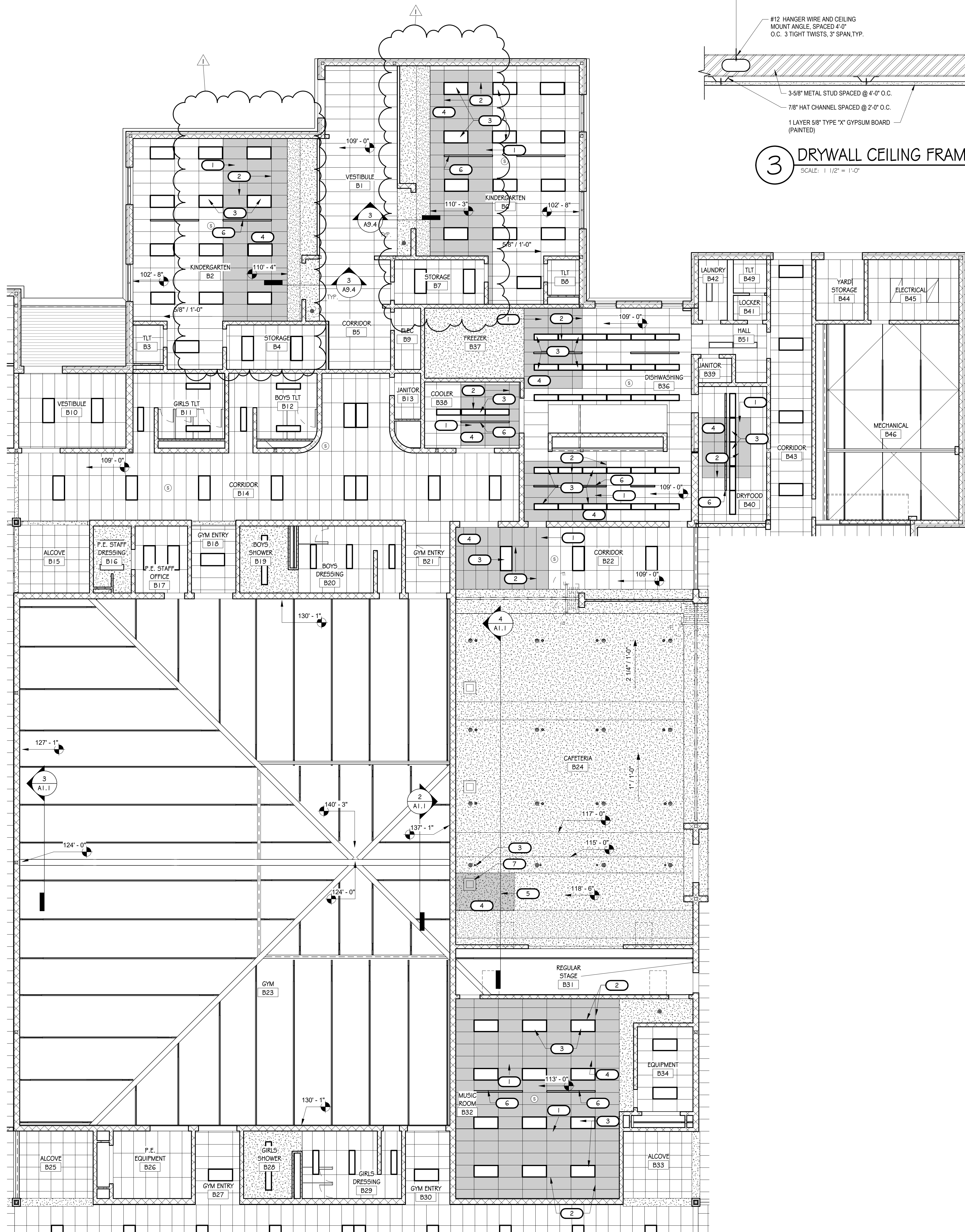
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3 DRYWALL CEILING FRAMING
SCALE: 1 1/2" = 1'-0"

LEGEND

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CEILING PANEL TYPES (SEE SHEET A11.1):

- B2 - CLASSROOM
- B6 - CLASSROOM
- B22 - CORRIDOR
- B32 - MUSIC ROOM
- B36 - DISHWASHING AND SERVING
- B38 - COOLER
- B40 - DRY STORAGE

PANELS:

- AT-1
- AT-1
- AT-4
- AT-3
- AT-2
- AT-6
- AT-6

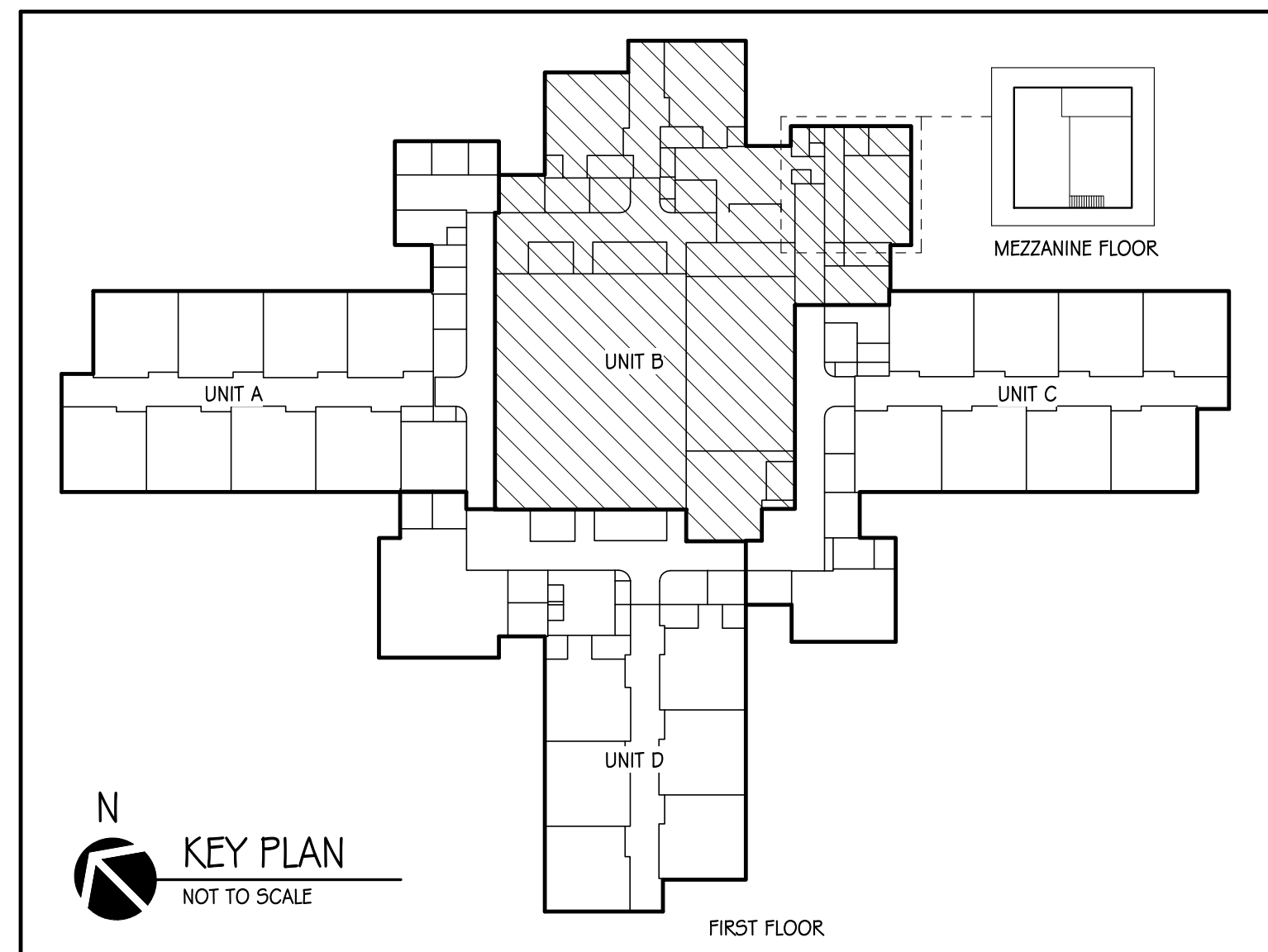
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NOTE:
NOT ALL KEYNOTES ARE USED ON EVERY SHEET. NOTES
NOT USED ON THIS SHEET MAY OCCUR ON OTHER SHEETS.



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



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Fort Wayne, Indiana 46804
PH: 260.450.7299
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CERTIFICATION



Terry W. Hornsby

All Concepts, ideas, design elements, plans, and details as shown on this document are the sole property of Viridian Architectural Design, Inc. and shall not be used for any purpose without prior expressed written consent. The Owner shall be permitted to retain copies for information and reference.

Horace Mann Elementary
HVAC Replacement
2485 Waterworks Road
Huntington, Indiana 46750

REVISION	DATE	DESCRIPTION
1	9-28-2026	Addendum 01
DATE 09/21/2026		PROJECT 2025.0014
TITLE REFLECTED CEILING PLAN - UNIT B		SHEET
		A9.2



LEGEND

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- MECHANICAL SLOT DIFFUSERS SEE MECH. DWGS.
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- SMOKE DETECTOR

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CEILING PANEL TYPES (SEE SHEET A1.1.1):

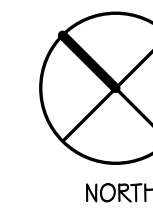
	PANELS
C1 - CORRIDOR	AT-4
C2 - CUSTODIAN'S OFFICE	AT-6
C7 - CLASSROOM	AT-1
C8 - CLASSROOM	AT-1
C9 - CLASSROOM	AT-1
C10 - CLASSROOM	AT-1
C15 - CLASSROOM	AT-1
C16 - CLASSROOM	AT-1
C17 - CLASSROOM	AT-1
C18 - CLASSROOM	AT-1
C20 - ART CLASSROOM	AT-1

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REFLECTED CEILING PLAN NOTES

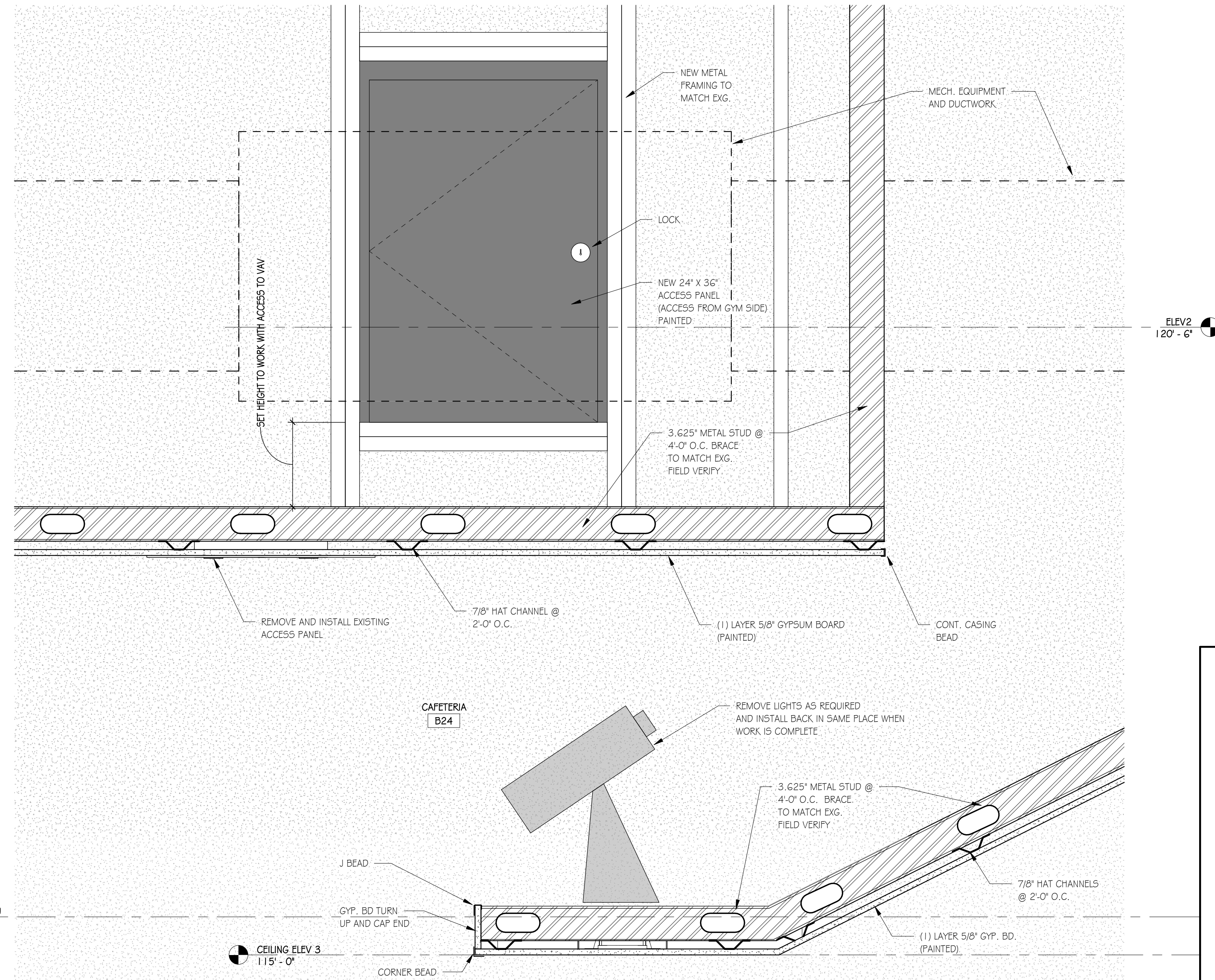
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- EXISTING LIGHT FIXTURES, PROTECT FROM DAMAGE. SEE ELECTRICAL DWGS. FOR ADDITIONAL INFORMATION.
- OTHER EXISTING ELECTRICAL DEVICES IN THE AREA OF WORK SUCH AS SMOKE DETECTORS, ALARMS, WIFI TRANSMITTERS, AND SIMILAR ITEMS. CONTRACTOR SHALL PROTECT THESE ITEMS FROM DAMAGE. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- CONTRACTOR TO REMOVE EXISTING DRYWALL AND CEILING FRAMING TO EXTENT REQUIRED TO GET ACCESS TO THE MECHANICAL EQUIPMENT FOR COMPLETION OF WORK. REINSTALL CEILING FRAMING AND DRYWALL AND FINISH TO MATCH EXISTING AFTER WORK IS COMPLETE. FIELD VERIFY EXTENT OF DUCTS CROSSING THROUGH BULKHEAD.
- CONTRACTOR TO PROTECT EXISTING SLOT DIFFUSERS; COORDINATE WITH ADJACENT CEILING AND MECHANICAL WORK; REMOVE AND REINSTALL AS REQUIRED. SEE MECHANICAL DWGS FOR ADDITIONAL INFORMATION.
- CONTRACTOR TO REMOVE EXISTING ACCESS PANEL AND STORE IN A TEMPORARY LOCATION AND REINSTALL BACK IN THE SAME LOCATION WHEN WORK IS COMPLETE.



2

REFLECTED CEILING PLAN - UNIT C

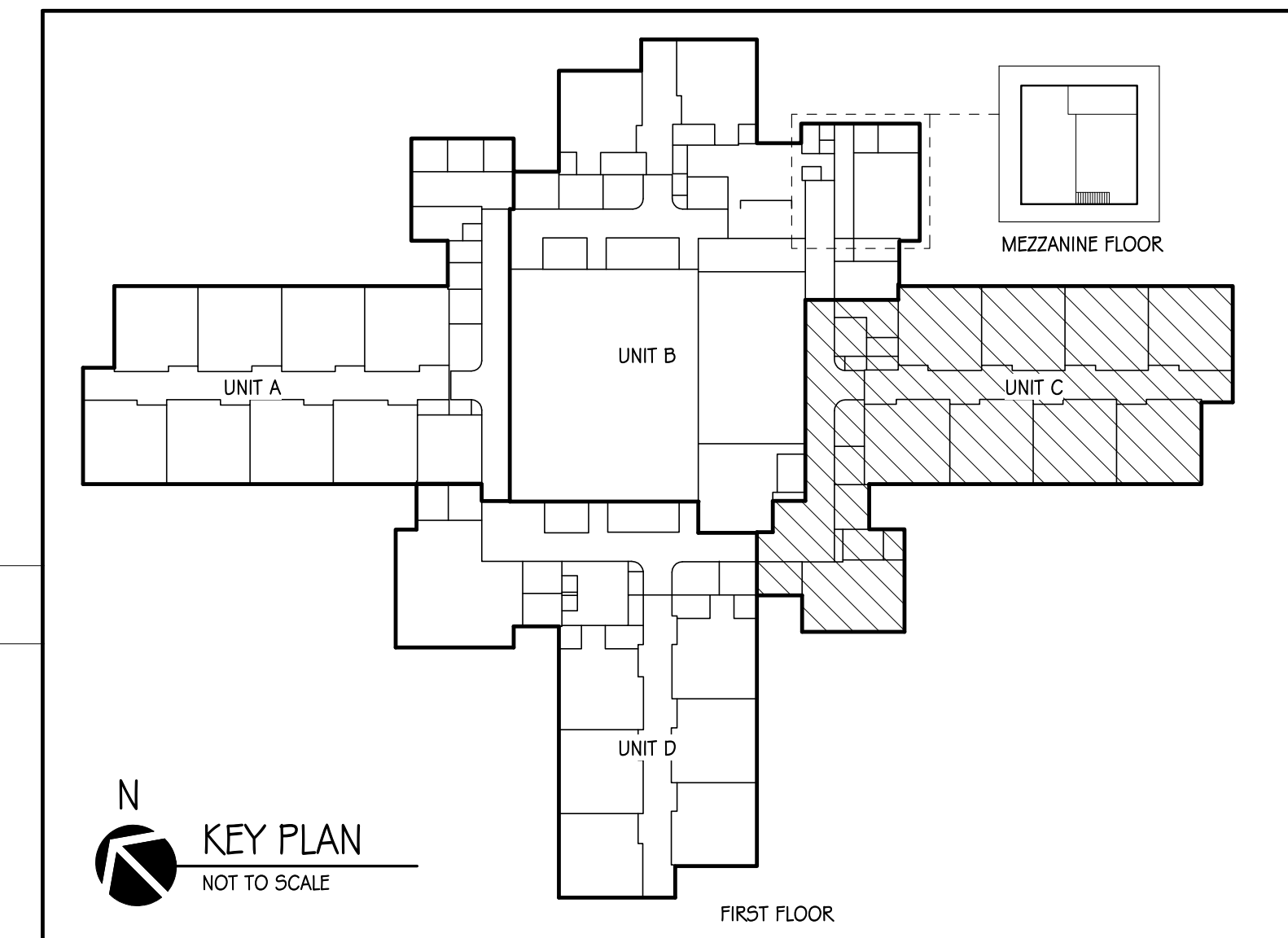
SCALE: 1/8" = 1'-0"



1

CAFETERIA CEILING DETAIL

SCALE: 1/12" = 1'-0"



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REVISION	DATE	DESCRIPTION
1	9-28-2026	Addendum 01

DATE
09/21/2026

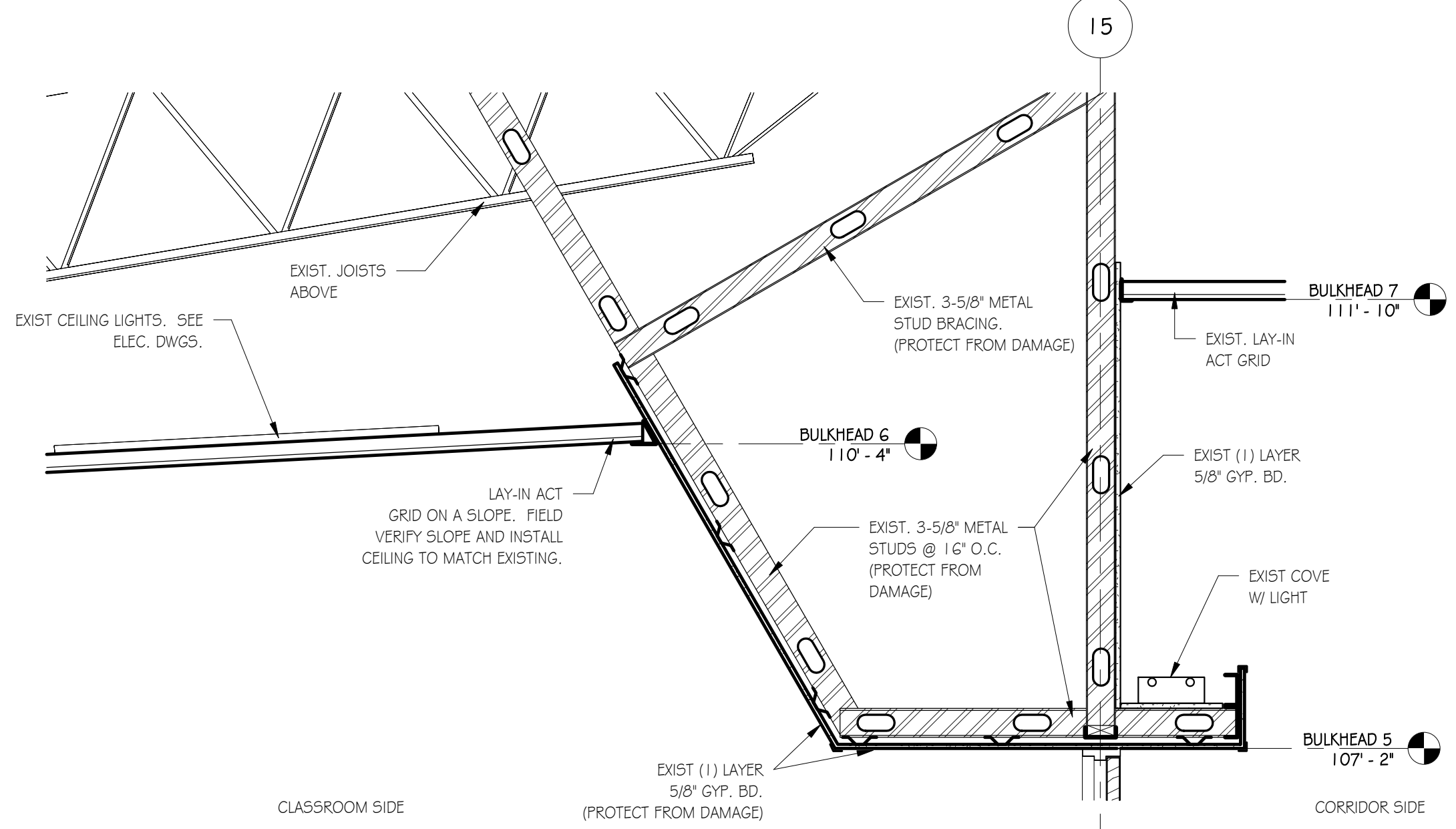
PROJECT
2025.0014

TITLE
REFLECTED CEILING PLAN - UNIT C

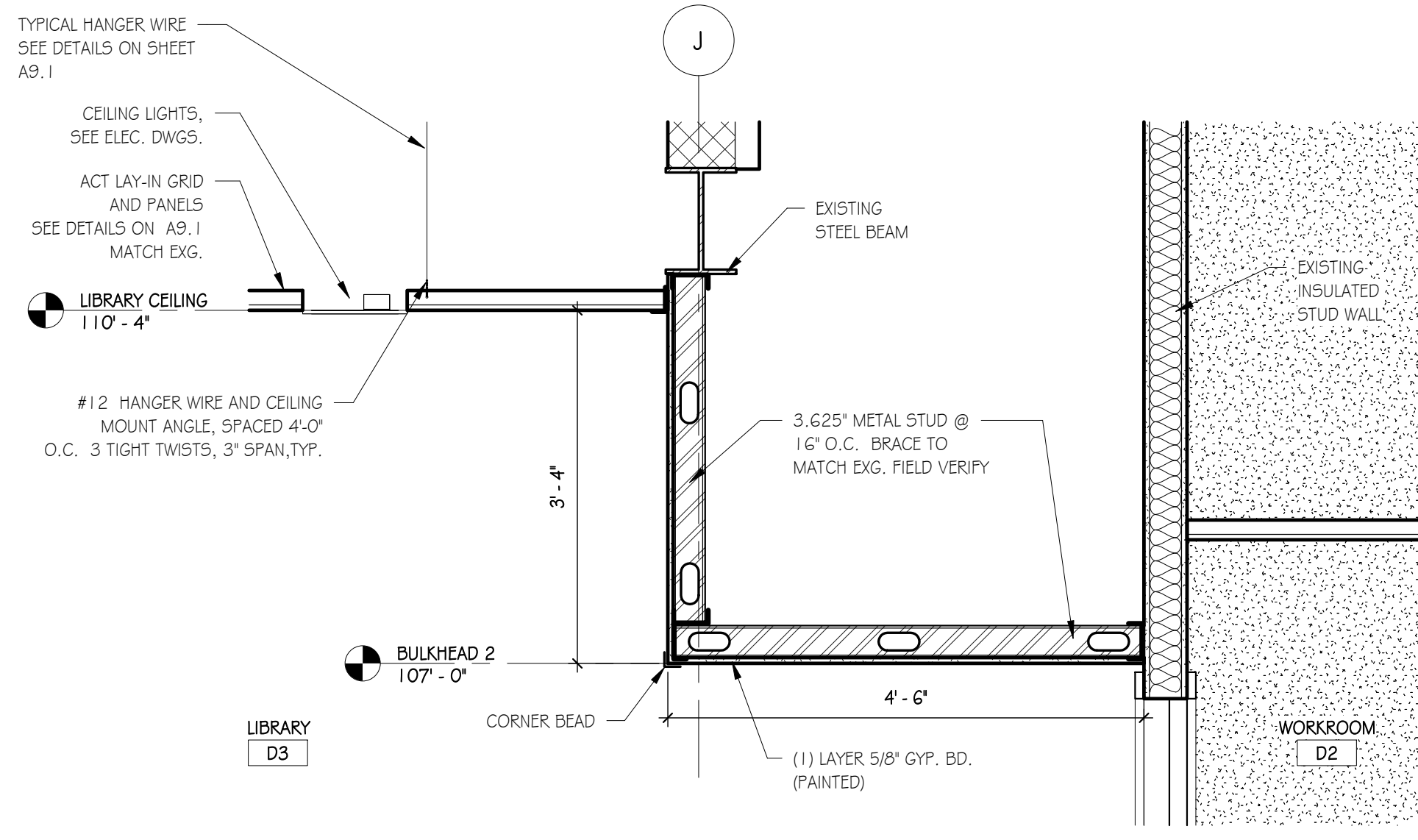
SHEET

A9.3

one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot



3 TYPICAL CLASSROOM BULKHEAD
SCALE: 3/4" = 1'-0"



2 LIBRARY BULKHEAD DETAIL
SCALE: 3/4" = 1'-0"

LEGEND

- NUMBER OF CEILING PANELS AND GRID SHOWN FOR REMOVAL TO ACCESS VAV BOX LOCATIONS. SEE REFL. CEILING PLANS AND MECHANICAL DWGS.
- MECHANICAL SLOT DIFFUSERS. SEE MECH. DWGS.
- ELECTRICAL LIGHTING. SEE ELEC. DWGS.
- METAL FRAMED GYPSUM BOARD CEILING
- SMOKE DETECTOR

- GENERAL NOTES:
- CONTRACTOR TO REMOVE ALL CEILING GRID AND TILE NEEDED FOR REMOVAL AND REPLACEMENT OF ALL VAV UNITS TO INCLUDE ALL BRANCH DUCTWORK, PIPING, INSULATION, ETC.. CONTRACTOR IS RESPONSIBLE FOR THE REPLACEMENT OF ALL DAMAGED CEILING GRID AND TILE. NEW CEILING GRID AND TILE TO MATCH EXISTING, AS REQUIRED. AMOUNT OF CEILING GRID AND TILE SHOWN FOR REMOVAL IS FOR GENERAL REFERENCE ONLY AND IS NOT EXACT.
 - CEILING PANEL TYPE, MODEL AND STYLE, SHALL BE PUT BACK IN THE SAME LOCATION AS THEY WERE BEFORE WORK BEGAN.
 - CONTRACTOR TO COORDINATE THE TEMPORARY SHUTDOWN, REMOVAL AND REINSTALLATION OF ALL SMOKE DETECTORS AND RELATED ELECTRONIC DEVICES WITHIN THE AREAS OF WORK IN EACH ROOM. COORDINATE WITH THE MECHANICAL AND ELECTRICAL DRAWINGS.

CEILING PANEL TYPES (SEE SHEET A9.1.1)	PANELS
D3 - LIBRARY	AT-5
D7 - AV EQUIPMENT	AT-6
D10 - STAFF LOUNGE	AT-1
D18 - CLASSROOM	AT-1
D21 - CLASSROOM	AT-1
D24 - CLASSROOM	AT-1
D25 - CLASSROOM	AT-1
D26 - CLASSROOM	AT-1

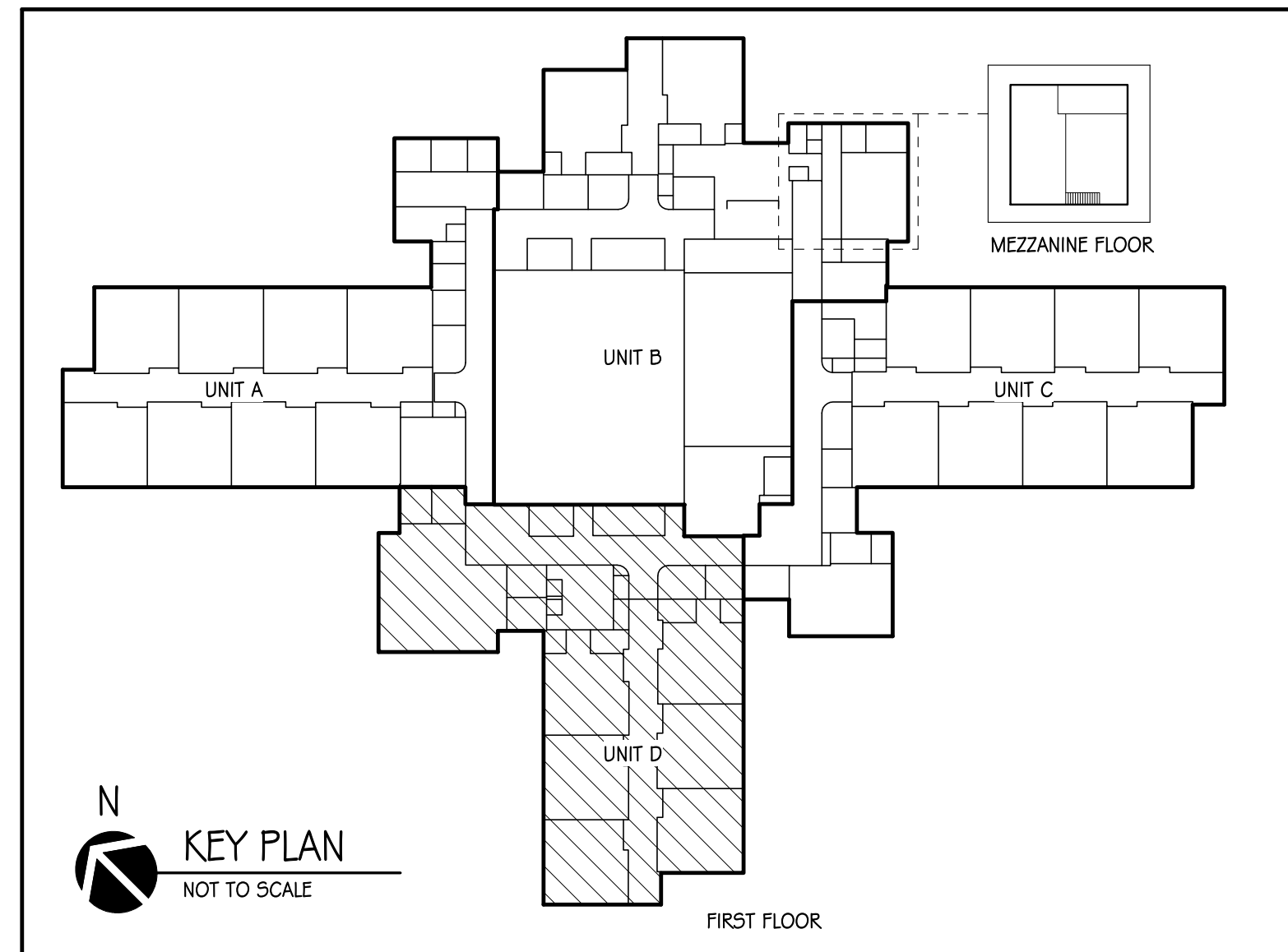
GENERAL CONSTRUCTION NOTES

- DIMENSIONS ARE FROM CORNER TO CORNER OF OPENING, OR TO FACE OF WALL UNLESS NOTED OTHERWISE.
- CONTRACTOR TO COORDINATE ALL WORK BETWEEN TRADES, INCLUDING BETWEEN FINISH CONTRACTOR AND ELECTRICAL, ON ALL LIGHT FIXTURES, WIRING, AND FINISHES.
- CONTRACTOR TO PROVIDE ALL RELATED FASTENERS, TRIM AND ACCESSORIES REQUIRED TO INSTALL PRODUCTS PER MANUFACTURER'S WRITTEN INSTRUCTIONS. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR NECESSARY TO COMPLETE WORK. ALL WORK SHALL BE EXECUTED IN A WORKMANLIKE MANNER IN ACCORDANCE WITH THE BEST TRADE PRACTICES AND CURRENT INDUSTRY STANDARDS.
- IN CLASSROOMS WITH VAV BOXES, MOST OF THESE ROOMS HAVE NEW CARPET. ALL CONTRACTORS ARE RESPONSIBLE TO THOROUGHLY PROTECT ALL CARPETS AND RELATED ADJACENT SURFACES FROM DAMAGE IN AREAS OF WORK. ALL CONTRACTORS ARE RESPONSIBLE FOR CLEANING SITE TO THE BEST OF THEIR ABILITIES AT THE END OF EACH WORK DAY.
- ALL CONTRACTORS ARE RESPONSIBLE FOR ANY DAMAGES CAUSED BY THEM DURING THE CONSTRUCTION PROCESS. IN THE EVENT OF ANY DAMAGES CONTRACTOR IS TO CONTACT THE OWNER IMMEDIATELY PRIOR TO THE END OF THE DAY OF CONSTRUCTION.
- CONTRACTORS ARE RESPONSIBLE FOR ALL MEANS, METHODS, SEQUENCES AND TECHNIQUES OF CONSTRUCTION, AND SHALL COORDINATE THE SYSTEM REQUIREMENTS OF THE OWNER TO ALL SUBCONTRACTORS, MATERIAL SUPPLIERS AND TRADES UNDER AGREEMENT. THE CONTRACTOR IS RESPONSIBLE FOR MEETING OR EXCEEDING THE QUALITY EXPECTATIONS OF WORK SPECIFIED AND TO LEAVE THE FINISHES COMPLETE AND WITH A LIKE APPEARANCE THAT IS EQUAL TO OR IN BETTER CONDITION THAN WHAT WAS FOUND PRIOR TO STARTING WORK.
- ALL EQUIPMENT INSTALLED SHALL BE FULLY TESTED AND OPERATIONAL, MEETING ALL REQUIREMENTS OF THE SPECIFICATIONS AND MANUFACTURER'S WARRANTY.

REFLECTED CEILING PLAN NOTES

- CAREFULLY REMOVE EXISTING CEILING PANELS AND STORE IN A TEMPORARY LOCATION. PROVIDE NEW CEILING PANELS WHERE EXISTING PANELS ARE BROKEN WITH SIZES TO MATCH EXISTING. REINSTALL IN SAME LOCATION WHEN WORK IS COMPLETE.
- CAREFULLY REMOVE CROSS T'S TO EXTENT REQUIRED TO ACCESS VAV BOXES AND RELATED DUCTWORK FOR REMOVAL AND REPLACEMENT OF UNIT. STORE CROSS T'S IN A TEMPORARY LOCATION; TAKE CARE TO PREVENT DAMAGE TO CROSS T'S. REMOVE MAIN BEAMS FULL LENGTH TO ALLOW ACCESS FOR WORK; PROTECT CEILING NOT WITHIN SCOPE OF WORK FROM DAMAGE. PROVIDE NEW MAIN T'S WITH SPLICE PLATES WHERE REQUIRED. REINSTALL ALL CROSS-T GRIDS AND NEW CEILING PANELS AFTER WORK IS COMPLETE TO MATCH EXISTING CEILING. SEE DETAIL 2 & 3 / A9.1.1. SEE MECHANICAL AND ELECTRICAL DWGS. FOR ADDITIONAL INFORMATION.
- EXISTING LIGHT FIXTURES, PROTECT FROM DAMAGE. SEE ELECTRICAL DWGS. FOR ADDITIONAL INFORMATION.
- OTHER EXISTING ELECTRICAL DEVICES IN THE AREA OF WORK SUCH AS SMOKE DETECTORS, ALARMS, WIFI TRANSMITTERS, AND SIMILAR ITEMS. CONTRACTOR SHALL PROTECT THESE ITEMS FROM DAMAGE. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- CONTRACTOR TO REMOVE EXISTING DRYWALL AND CEILING FRAMING TO EXTENT REQUIRED TO GET ACCESS TO THE MECHANICAL EQUIPMENT FOR COMPLETION OF WORK. REINSTALL CEILING FRAMING AND DRYWALL AND FINISH TO MATCH EXISTING AFTER WORK IS COMPLETE. FIELD VERIFY EXTENT OF DUCTS CROSSING THROUGH BULKHEAD.
- CONTRACTOR TO PROTECT EXISTING SLOT DIFFUSERS; COORDINATE WITH ADJACENT CEILING AND MECHANICAL WORK. REMOVE AND REINSTALL AS REQUIRED. SEE MECHANICAL DWGS FOR ADDITIONAL INFORMATION.
- CONTRACTOR TO REMOVE EXISTING ACCESS PANEL AND STORE IN A TEMPORARY LOCATION AND REINSTALL BACK IN THE SAME LOCATION WHEN WORK IS COMPLETE.

NOTE:
NOT ALL KEYNOTES ARE USED ON EVERY SHEET. NOTES
NOT USED ON THIS SHEET MAY OCCUR ON OTHER SHEETS.



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



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Huntington, Indiana 46750

REVISION	DATE	DESCRIPTION
1	9-28-2026	Addendum 01

DATE	PROJECT
09/21/2026	2025.0014

TITLE
REFLECTED CEILING PLAN - UNIT D

SHEET
A9.4

one and one half inches = one foot

one inch = one foot

three quarters inch = one foot

one half inch = one foot

three eighths inch = one foot

one quarter inch = one foot

one eighth inch = one foot

CONTROLS CONTRACTOR RESPONSIBILITY CHART	
ITEM	REMARKS
FURNISH AND INSTALL NEW WIRING DROP FROM BACKBONE DOWN TO EACH NEW SENSOR.	ALL
FURNISH AND INSTALL NEW DIGITAL COMBINATION TEMPERATURE SENSOR IN EACH SPACE.	ALL
FURNISH AND INSTALL NEW CONTROL WIRING FROM EACH NEW SENSOR TO HVAC UNIT.	ALL
FURNISH AND INSTALL NEW 04-RA ELECTRONIC DAMPER ACTUATORS AT EACH HVAC UNIT.	ALL
FURNISH AND INSTALL NEW ELECTRONIC CONTROL DAMPERS AND ACTUATORS AT EACH HVAC UNIT.	ALL
FURNISH AND INSTALL NEW FREEZE STAT AT EACH HVAC UNIT TO BE SERVICED ADDRESS COILS.	ALL
FURNISH AND INSTALL NEW FAN RELAYS ON HVAC UNITS.	ALL
FURNISH AND INSTALL NEW ANALOG CT SENSORS ON HVAC UNITS.	ALL
FURNISH AND INSTALL NEW 04T SENSORS ON HVAC UNITS.	ALL
FURNISH AND INSTALL NEW ELECTRONIC CONTROL VALVES ON HVAC UNITS.	ALL
FURNISH AND INSTALL INTERLOCK WIRING BETWEEN DEVICES, PANELS, BOILERS, CHILLERS, ETC.	ALL
FURNISH AND INSTALL VARIABLE SPEED DRIVES.	ALL
PROVIDE LINE AND LOAD WIRING TO VARIABLE SPEED DRIVES.	ALL
PROVIDE CONTROL WIRING TO VARIABLE SPEED DRIVES.	ALL
PROGRAM AND STARTUP VARIABLE SPEED DRIVES.	ALL
FURNISH AND INSTALL A NEW BOILER CONTROL PANEL, SENSING ELEMENTS, CABLING, AND ALL REQUIRED ACCESSORIES FOR A FULLY FUNCTIONING SYSTEM.	ALL
PROVIDE WIRING BETWEEN BOILER CONTROL VALVE AND PACKAGED BOILER CONTROLS.	ALL
PROGRAM AND COMMISSION PACKAGED BOILER CONTROLS.	ALL
FURNISH AND INSTALL NEW ANALOG CT SENSORS ON EXHAUST FANS.	ALL
PROVIDE 120 VOLT POWER FOR CONTROL PANELS.	ALL
PROVIDE 120 VOLT POWER TO TEMPERATURE CONTROL PANELS.	ALL
PROVIDE DATA DROP TO TEMPERATURE CONTROL PANELS.	ALL
FURNISH AND INSTALL LOW VOLTAGE CABLING TO ALL COMPONENTS.	ALL
PROVIDE ALL ENGINEERING, PROGRAMMING AND GRAPHICS FOR ALL HVAC EQUIPMENT.	ALL
PROVIDE ALL T.C.C. LABOR.	ALL
PROVIDE SHOP DRAWINGS TO ALL TRADES.	ALL
VERIFY AND TEST SEQUENCE OF OPERATIONS.	ALL
REMARKS:	
1. IT IS THE INTENT OF THIS SCHEDULE TO OUTLINE NECESSARY REQUIRED ITEMS AND TASKS THAT ARE TO BE THE RESPONSIBILITY OF THE TEMPERATURE CONTROL CONTRACTOR TO PROVIDE AND FURNISH/INSTALL. THIS LIST IS NOT INTENDED TO BE ALL-INCLUSIVE OR COMPLETE AND THE TEMPERATURE CONTROLS CONTRACTOR SHALL PROVIDE AND INSTALL ALL ADDITIONAL REQUIRED PARTS, ACCESSORIES, PROGRAMING, TESTING, ETC. REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM.	
2. THE TEMPERATURE CONTROL CONTRACTOR SHALL PROVIDE AND INSTALL ALL ASSOCIATED INTERLOCK WIRING AND DEVICES FOR A COMPLETE AND FUNCTIONING UNIT.	
3. THE TEMPERATURE CONTROL CONTRACTOR SHALL PROVIDE AND INSTALL ALL VARIABLE FREQUENCY DRIVES (VFD) REQUIRED FOR ALL PIECES OF HVAC EQUIPMENT.	
ADDITIONAL PROJECT INFORMATION:	
1. THE EXISTING FRONT END AND TRUNK LINE THROUGHOUT THE BUILDING HAS BEEN REPLACED AND SHALL REMAIN IN PLACE.	
2. ALL EXISTING UNIT CONTROLLERS AND CONTROL PANELS THAT HAVE BEEN RECENTLY REPLACED SHALL REMAIN IN PLACE AND BE RE-USED.	
3. FOR ALL AIR HANDLING UNITS, PROVIDE AND INSTALL NEW DDC CONTROLS, INCLUDING ALL NEW VARIABLE FREQUENCY DRIVE, ELECTRONIC DAMPER ACTUATORS, ELECTRONIC HOT WATER/CHILLED WATER CONTROL VALVES, NEW FREEZE STAT, SENSORS, CONTROL WIRING, RELAYS, AND ACCESSORIES TO THE NEW AIR HANDLING UNIT THAT AS REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL ELECTRICAL POWER, COMPONENTS/WIRING AND PROGRAMMING AS REQUIRED TO CONNECT THE SYSTEM FOR A FULLY FUNCTIONING SYSTEM. WIRING SHALL BE INSTALLED PER THE CURRENT INDIANA NEC CODE.	
4. FOR ALL VAV'S PROVIDE AND INSTALL NEW DDC CONTROLS, INCLUDING ALL NEW ELECTRONIC DAMPER ACTUATORS, ELECTRONIC HOT WATER CONTROL VALVES, DISCHARGE AIR TEMP. SENSORS, SPACE TEMPERATURE SENSOR, CONTROL WIRING, RELAYS, AND ACCESSORIES TO THE NEW UNIT THAT AS REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL ELECTRICAL POWER, COMPONENTS/WIRING AND PROGRAMMING AS REQUIRED TO CONNECT THE SYSTEM FOR A FULLY FUNCTIONING SYSTEM. WIRING SHALL BE INSTALLED PER THE CURRENT INDIANA NEC CODE.	
5. FOR ALL CURTS, FTES, 4 UNITS, PROVIDE AND INSTALL NEW DDC CONTROLS, INCLUDING ELECTRONIC HOT WATER CONTROL VALVES, SPACE TEMPERATURE SENSOR, CONTROL WIRING, RELAYS, AND ACCESSORIES TO THE NEW UNIT THAT AS REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL ELECTRICAL POWER, COMPONENTS/WIRING AND PROGRAMMING AS REQUIRED TO CONNECT THE SYSTEM FOR A FULLY FUNCTIONING SYSTEM. WIRING SHALL BE INSTALLED PER THE CURRENT INDIANA NEC CODE.	
6. FOR HYDRONIC HOT WATER PUMPS, PROVIDE AND INSTALL NEW DDC CONTROLS, INCLUDING ALL NEW VARIABLE FREQUENCY DRIVE, SENSORS, CONTROL WIRING, RELAYS, AND ACCESSORIES TO THE NEW PUMP THAT AS REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL ELECTRICAL POWER, COMPONENTS/WIRING AND PROGRAMMING AS REQUIRED TO CONNECT THE SYSTEM FOR A FULLY FUNCTIONING SYSTEM. WIRING SHALL BE INSTALLED PER THE CURRENT INDIANA NEC CODE.	

MECHANICAL DEMOLITION SYMBOL SCHEDULE	
---	LINE TYPE AND WEIGHT DESIGNATES MECHANICAL EQUIPMENT, DUCTWORK, PIPING, ETC. TO BE REMOVED.
---	LINE TYPE AND WEIGHT DESIGNATES MECHANICAL EQUIPMENT, DUCTWORK, PIPING, ETC. TO REMAIN.
⊠	EXTENT OF DEMOLITION.

MECHANICAL HVAC SYMBOL SCHEDULE	
Ⓐ	ACTUATOR
TIE-IN	EXISTING MECHANICAL EQUIPMENT AND DUCTWORK TO REMAIN
MANUAL AIR BALANCING DAMPER	NEW MECHANICAL DUCTWORK
MANUAL OPPOSED BLADE DAMPER	NEW MECHANICAL EQUIPMENT
BACKDRAFT DAMPER	ACCU- AIR COOLED CONDENSING UNIT
FLEXIBLE DUCT	AFMS- AIR FLOW MEASURING STATION
AVERAGING THERMOSTAT	AHU- AIR HANDLING UNIT
THERMOSTAT	AS- AIR SEPARATOR
COMBO TEMPERATURE/HUMIDITY/CO2 THERMAOSTAT	B- BOILER
REVERSE ACTING THERMOSTAT	CT- CURRENT TRANSDUCER, FAN STATUS
TEMPERATURE SENSOR WITH STAINLESS STEEL COVER	CUH- CABINET UNIT HEATER
SECURITY THERMAOSTAT	D- DIFFUSER
HUMIDISTAT	DAT- DISCHARGE AIR TEMPERATURE
SMOKE SENSOR	DC- DUCT COIL
SHUT-OFF TERMINAL BOX	EF- EXHAUST FAN
SHUT-OFF TERMINAL BOX W/ REHEAT	EG- EXHAUST GRILLE
FIRE DAMPER	ER- EXHAUST REGISTER
DIFFUSER	ET- EXPANSION TANK
EXHAUST OR RETURN GRILLE	FD- FIRE DAMPER
DUCT COIL	FTK- FINED TUBE RADIATION
FAN POWERED VAV BOX WITH REHEAT	H- HUMIDIFIER
DUCT WORK (UNLINED)	HVAC- HEATING VENTILATION AIR CONDITIONING UNIT
DUCT WORK (LINED)	HX- HEAT EXCHANGER
DUCT WORK (DOUBLE WALL / PERFORATED INNER)	L- LOUVER
ELECTRONIC 2-WAY VALVE	P- PUMP
ELECTRONIC 3-WAY VALVE	RAD- ELECTRIC RADIATION
FLOW SWITCH	RC- ROOF CAP
HOT WATER SUPPLY PIPING	RF- RELIEF FAN
PIPING DROP	RG- RETURN AIR GRILLE
	RR- RETURN REGISTER
	RTU- ROOFTOP UNIT
	RV- RELIEF VENT
	SF- SUPPLY FAN
	SR- SUPPLY REGISTER
	TB- TERMINAL BOX
	TCP- TEMPERATURE CONTROL PANEL
	TG- TRANSFER AIR GRILLE
	UH- UNIT HEATER
	UV- UNIT VENTILATOR
	VAV- VARIABLE AIR VOLUME TERMINAL BOX
	A.F.F.- ABOVE FINISHED FLOOR
	XX"X"Ø" FLAT OVAL DUCT
	XX"X" RECTANGULAR DUCT
	X"Ø" ROUND DUCT

GENERAL MECHANICAL DEMOLITION NOTES
CONTRACTOR SHALL DISPOSE OF ALL REMOVED EQUIPMENT, PIPING, DUCTWORK, ETC. UNLESS NOTED OTHERWISE.
REMOVE ALL HANGERS, UNISTRUT, BRACING AND ALL OTHER SUPPORT OR HANGING DEVICES ASSOCIATED WITH EQUIPMENT BEING SERVED.
CUT AND PATCH ALL EXISTING TO REMAIN SURFACES AFFECTED BY THIS DEMOLITION. IF NEW FINISHES ARE NOT INCLUDED BY OTHERS ON THIS PROJECT, THEN THIS CONTRACTOR SHALL RESTORE ALL FINISHES TO MATCH SURROUNDING UNDAAGED CONDITIONS.
THIS CONTRACTOR IS RESPONSIBLE FOR REMOVING AND REINSTALLING ANY EXISTING CEILING TILES AND GRID. AFFECTED BY THIS WORK, REPLACE ANY TILES DAMAGED AS A RESULT OF THE ABOVE WORK. TILES SHALL MATCH SURROUNDING CONDITIONS THAT ARE NOT COVERED UNDER DEMOLITION WORK TO BE PERFORMED BY THE GENERAL CONTRACTOR.
ANY EXISTING PIPING, CONDUIT, WIRING, EQUIPMENT, ETC. THAT IS SUPPORTED FROM MATERIALS THAT ARE TO BE REMOVED SHALL BE SUPPORTED BY NEW HANGING DEVICES PROVIDED AND INSTALLED BY THIS CONTRACTOR.
CAP EXISTING WASTE, VENT, AND WATER PIPING IN CONCEALED LOCATIONS IN WALLS TO REMAIN, ABOVE CEILING, OR BELOW SLABS FOR ALL FIXTURES AND EQUIPMENT TO BE REMOVED OR RELOCATED. FIELD VERIFY EXACT LOCATION OF EXISTING PIPING.
THESE DRAWINGS ARE A REASONABLE INDICATION OF THE EXISTING PIPING, DUCTWORK, AND EQUIPMENT CONDITIONS. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS AS REQUIRED.
OWNER SHALL RETAIN THE FIRST RIGHT OF REFUSAL FOR ALL PRODUCTS TO BE REMOVED.

GENERAL MECHANICAL NOTES
COORDINATE ALL WORK WITH OTHER TRADES AS REQUIRED.
EQUIPMENT, PIPING, AND DUCTWORK LAYOUTS ARE SCHEMATIC IN NATURE. CONTRACTOR MUST ADJUST TO FIELD CONDITIONS AND COORDINATE WITH OTHER TRADES DURING CONSTRUCTION BY ADDING OFFSETS AND ELBOWS WHERE REQUIRED.
PRIOR TO INSTALLATION THE ENGINEER SHALL APPROVE ALL PROPOSED MODIFICATIONS TO DUCTWORK LAYOUT AND DESIGN.
ALL SUPPLY AIR DUCTWORK (OTHER THAN THAT SHOWN TO BE LINED) SHALL BE INSULATED (WRAPPED) PER SPECIFICATIONS.
ALL MATERIALS INSTALLED WITHIN PLENUM SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25. SMOKE DEVELOPED RATING NOT EXCEEDING 50 IN ACCORDANCE WITH STATE CODES.
COORDINATE EXACT LOCATION OF CEILING DIFFUSERS AND GRILLES WITH LIGHTS AND ARCHITECTURAL CEILING PLAN.
FLEXIBLE DUCT SHALL BE USED WHERE INDICATED, FOR STRAIGHT LINE SEGMENTS NOT EXCEEDING 6 FEET WHEN CONNECTING DIFFUSERS TO RIGID DUCTWORK ABOVE A REMOVABLE CEILING. USE RIGID METAL ELBOWS FOR CHANGES IN DIRECTION.
THIS CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, MATERIAL, AND LABOR REQUIRED FOR CORE DRILLING AS REQUIRED FOR INSTALLATION OF MATERIAL PENETRATING BUILDING CONSTRUCTION.
REFERENCE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS, TYPICAL.
ALL SIZES ON DUCTWORK ARE IN INCHES UNLESS NOTED OTHERWISE.
SHEET METAL CONTRACTOR SHALL FABRICATE ALL DUCT TAKE-OFF FITTINGS AS SHOWN ON CONTRACT DETAIL SHEET.
DUCT SIZES LISTED ARE "FREE AREA" AND SHALL NOT BE REDUCED. INCREASE DUCT SIZES AS REQUIRED TO ACCOUNT FOR LINING.
ALL EQUIPMENT AND MATERIALS SHALL BE UL LISTED AND LABELED FOR TYPE OF EQUIPMENT AND MATERIALS FOR WHICH LISTING AND LABELING IS AVAILABLE.

IT IS THE INTENT OF THIS PROJECT THAT ALL NEW HVAC EQUIPMENT SHALL BE PROVIDED WITH NEW DDC CONTROLS COMPLETE, INCLUDING ALL NEW ELECTRONIC DAMPER ACTUATORS, ELECTRONIC HOT WATER/CHILLED WATER CONTROL VALVES, NEW FREEZE STAT, SENSORS, CONTROL WIRING, RELAYS, AND ACCESSORIES REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL ELECTRICAL POWER, COMPONENTS/WIRING AND PROGRAMMING AS REQUIRED TO CONNECT THE SYSTEM FOR A FULLY FUNCTIONING SYSTEM. WIRING SHALL BE INSTALLED PER THE CURRENT INDIANA NEC CODE.

ALL MATERIALS INSTALLED WITHIN PLENUM SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING NOT EXCEEDING 50 IN ACCORDANCE WITH STATE CODES.

THE CONTROLS CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW, COORDINATE AND INCLUDE ALL DIVISION 23 WORK INDICATED ON ANY OF THE PROJECT DRAWINGS AS WORK OF THIS PROJECT, TO INCLUDE BUT NOT LIMITED TO ARCHITECTURAL, CIVIL, PLUMBING, MECHANICAL, DRAWINGS, ETC.

THE CONTROLS CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH MECHANICAL CONTRACTOR FOR THE REMOVAL AND REINSTALLATION ANY CEILING TILES AND GRID.

CONTRACTORS SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL THROUGH PENETRATION FIRESTOP SYSTEMS AS REQUIRED TO SEAL WHERE DUCTWORK, PIPING, AND CONDUIT PENETRATES A FIRE RATED WALL, FLOOR, OR OTHER LISTED ASSEMBLY.

COORDINATE ROUTING OF ALL PIPING WITH ELECTRICAL PANEL LOCATIONS. DO NOT ROUTE PIPING OVER ELECTRICAL PANELS AND PROVIDE ALL WORKING CLEARANCES PER ELECTRICAL CODE.

GENERAL CONDITIONS NOTE
ALL CONTRACTORS, BY MAKING THEIR BID, REPRESENT THAT THEY HAVE READ AND UNDERSTAND THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL REFER TO THE ENTIRE CONSTRUCTION DOCUMENT SET FOR GUIDANCE ON DIMENSIONS, HEIGHTS, DETAILING, ETC. AND INSTALL THEIR WORK SO AS NOT TO INTERFERE WITH THE INSTALLATION OF ANOTHER DISCIPLINE'S WORK OR THE GENERAL INTENT OF THE CONSTRUCTION DOCUMENTS. IN THE EVENT OF A CONFLICT BETWEEN THE SPECIFICATIONS AND/ OR DRAWINGS, THE ARCHITECT SHALL DETERMINE WHICH INFORMATION GOVERNS.
M/P/E TRADES NOTE: IN REFERRING TO THIS SHEET YOU ACKNOWLEDGE: 1) REVIEWING THE ENTIRE DRAWING SET INCLUDING ALL 'S', 'C' & 'A' SERIES. 2) COORDINATING WITH THE GENERAL TRADES CONTRACTOR OR C.M. FOR EXACT DETAILING, HEIGHTS, ETC. PRIOR TO INSTALLING WORK.



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CERTIFICATION

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SCO ENGINEERING, LLC

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HVAC Replacement
2485 Waterworks Road
Huntington, Indiana 46750

REVISION	DATE	DESCRIPTION
1	9-26-2026	Addendum 01
DATE 09/21/2026		PROJECT 2025.0014
TITLE MECHANICAL GENERAL NOTES		
SHEET MGI.0		

one and one half inches = one foot

one inch = one foot

three quarters inch = one foot

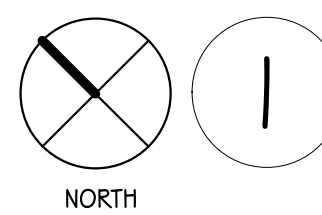
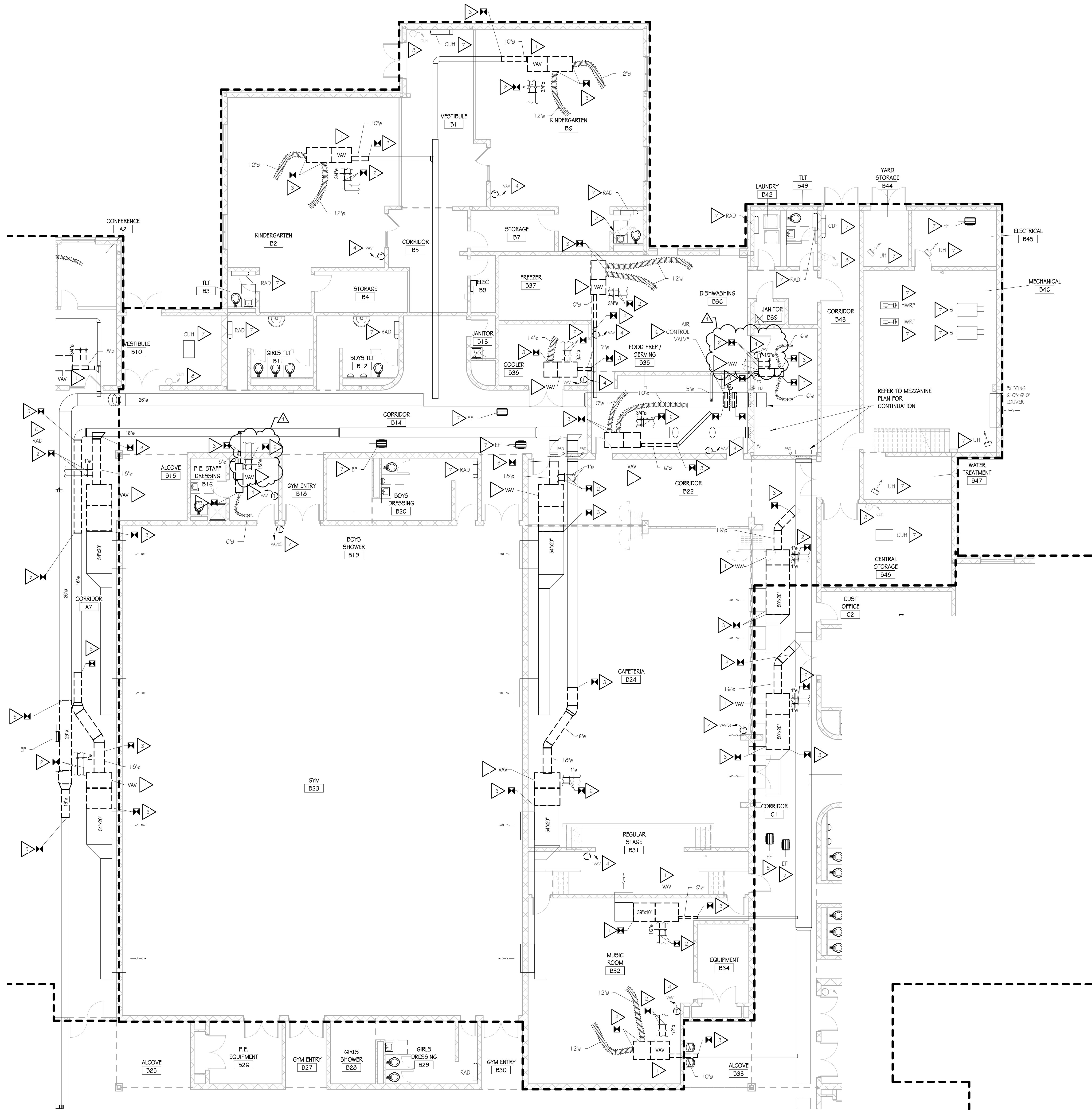
one half inch = one foot

three eighths inch = one foot

one quarter inch = one foot

one eighth inch = one foot

one eighth inch = one foot



FIRST FLOOR MECHANICAL DEMOLITION PLAN - UNIT B

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

MECHANICAL DEMOLITION PLAN NOTES

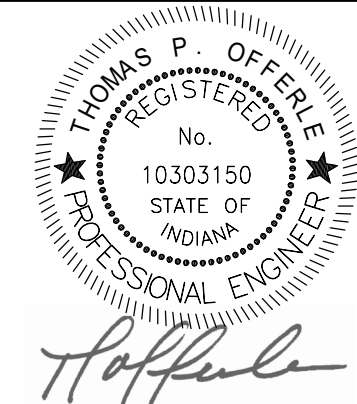
- ALL SCOPE OF WORK WITHIN V SERIES OF DRAWINGS, ARE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.
- MECHANICAL CONTRACTOR SHALL COORDINATE ALL WORK WITHIN THIS SCOPE OF WORK WITH ALL OTHER TRADES AND GENERAL CONTRACTOR/CONSTRUCTION MANAGER.
- CONTRACTOR SHALL CAREFULLY DISCONNECT AND REMOVE THE EXISTING VAV BOX COMPLETE, INCLUDING ALL HOT WATER HYDRONIC PIPING, SUPPLY AIR DUCTWORK AND FLEXIBLE DUCTWORK, WIRING, CONTROLS, AND ACCESSORIES AND MAKE READY FOR THE INSTALLATION OF A NEW UNIT TO BE INSTALLED IN THE SAME LOCATION. IT IS THE INTENT OF THESE DRAWINGS THAT THE CONTRACTOR SHALL REMOVE THE MINIMUM AMOUNT OF EXISTING DUCTWORK AS REQUIRED FOR REMOVAL AND REINSTALLATION OF THE NEW UNIT AS REQUIRED.
- CONTRACTOR SHALL CAREFULLY DISCONNECT AND REMOVE THE EXISTING HYDRONIC WATER PIPING AND HYDRONIC ACCESSORIES FROM THE EXISTING TERMINAL BOX INCLUDING THE CONTROL VALVE, BALANCING VALVES, AIR VENTS, AND STRAINER AND MAKE READY FOR THE INSTALLATION OF NEW COMPONENTS TO BE INSTALLED FOR CONNECTION TO THE NEW UNITS. IT IS THE INTENT OF THESE DRAWINGS THAT THE CONTRACTOR SHALL REMOVE THE MINIMUM AMOUNT OF EXISTING PIPING AS REQUIRED FOR REMOVAL AND REINSTALLATION OF THE NEW UNIT AS REQUIRED.
- IT IS THE INTENT OF THIS PROJECT THAT THE EXISTING SUPPLY AIR DUCTWORK IS TO BE REMOVED FROM THE VAV TO THE POINT INDICATE TO ALLOW FOR THE INSTALLATION OF A NEW VAV BOX. CONTRACTOR SHALL CAREFULLY DISCONNECT THE EXISTING SHEET METAL DUCTWORK AND FLEXIBLE SUPPLY AIR DUCTWORK SHOWN TO REMAIN AND MAKE READY FOR RECONNECTION TO NEW DUCTWORK.
- DISCONNECT AND REMOVE EXISTING THERMOSTAT / TEMPERATURE SENSOR COMPLETE, INCLUDING ALL ASSOCIATED WIRING, BASE, AND DEVICES AND MAKE READY FOR THE INSTALLATION OF A NEW DDC THERMOSTAT / TEMPERATURE SENSOR TO BE INSTALLED IN THE SAME LOCATION.
- IT IS THE INTENT OF THIS PROJECT THAT THE MECHANICAL CONTRACTOR SHALL CAREFULLY DISCONNECT AND REMOVE THE EXISTING DUCTWORK, INCLUDING ALL ASSOCIATED HANGERS, AND ACCESSORIES BACK TO THE POINT INDICATED, OR AS REQUIRED, TO ALLOW FOR THE INSTALLATION OF THE NEW VAV TERMINAL BOX THAT IS TO BE INSTALLED UP ABOVE THE DUCTWORK IN THE CORRIDOR AT APPROXIMATELY 1'-0" ABOVE FINISHED FLOOR. CONTRACTOR SHALL MAKE EXISTING DUCTWORK THAT IS TO REMAIN READY FOR NEW WORK.
- CONTRACTOR SHALL CAREFULLY DISCONNECT AND REMOVE THE EXISTING MOTORIZED AIR CONTROL DAMPER THAT IS INSTALLED WITHIN THE DUCTWORK, COMPLETE, INCLUDING ALL WIRING, CONTROLS, DAMPER ACTUATOR, AND ALL ACCESSORIES AND MAKE READY FOR THE INSTALLATION OF A NEW MOTORIZED CONTROL DAMPER TO BE INSTALLED IN THE SAME LOCATION. CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE THE EXISTING SHEETMETAL DUCTWORK AND INSULATION AS REQUIRED FOR THE REMOVAL AND RE-INSTALLATION OF NEW WORK.
- TEMPERATURE CONTROLS CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING CONTROLS COMPLETE, INCLUDING ALL TUBING, RELAY, ACTUATORS, CONTROL VALVES, AND ALL ACCESSORIES FROM THE EXISTING HVAC EQUIPMENT THAT IS TO REMAIN. CONTRACTOR SHALL MAKE ALL EXISTING EQUIPMENT THAT IS TO REMAIN, READY FOR THE INSTALLATION OF NEW DDC CONTROLS, VALVES, WIRING, AND ALL ACCESSORIES REQUIRED FOR A FULLY FUNCTIONAL SYSTEM.
- TEMPERATURE CONTROLS CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING THERMOSTAT COMPLETE, INCLUDING ALL ASSOCIATED CONTROLS, WIRING, TUBING, BASE, AND DEVICES AND MAKE READY FOR THE INSTALLATION OF A NEW DDC CONTROLS.

IT IS THE INTENT OF THIS PROJECT THAT IN ANY LOCATION WHERE THE REMOVAL OF ANY EXISTING DUCT OR PIPING INSULATION IS REQUIRED TO PERFORM ANY WORK BY THIS CONTRACTOR THAT IS SHOWN ON THE CONSTRUCTION DOCUMENTS, IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO PROVIDE AND INSTALL ALL NEW INSULATION ON ALL DUCTWORK, PIPING, AND ALL COMPONENTS FOR FULL COVERAGE.



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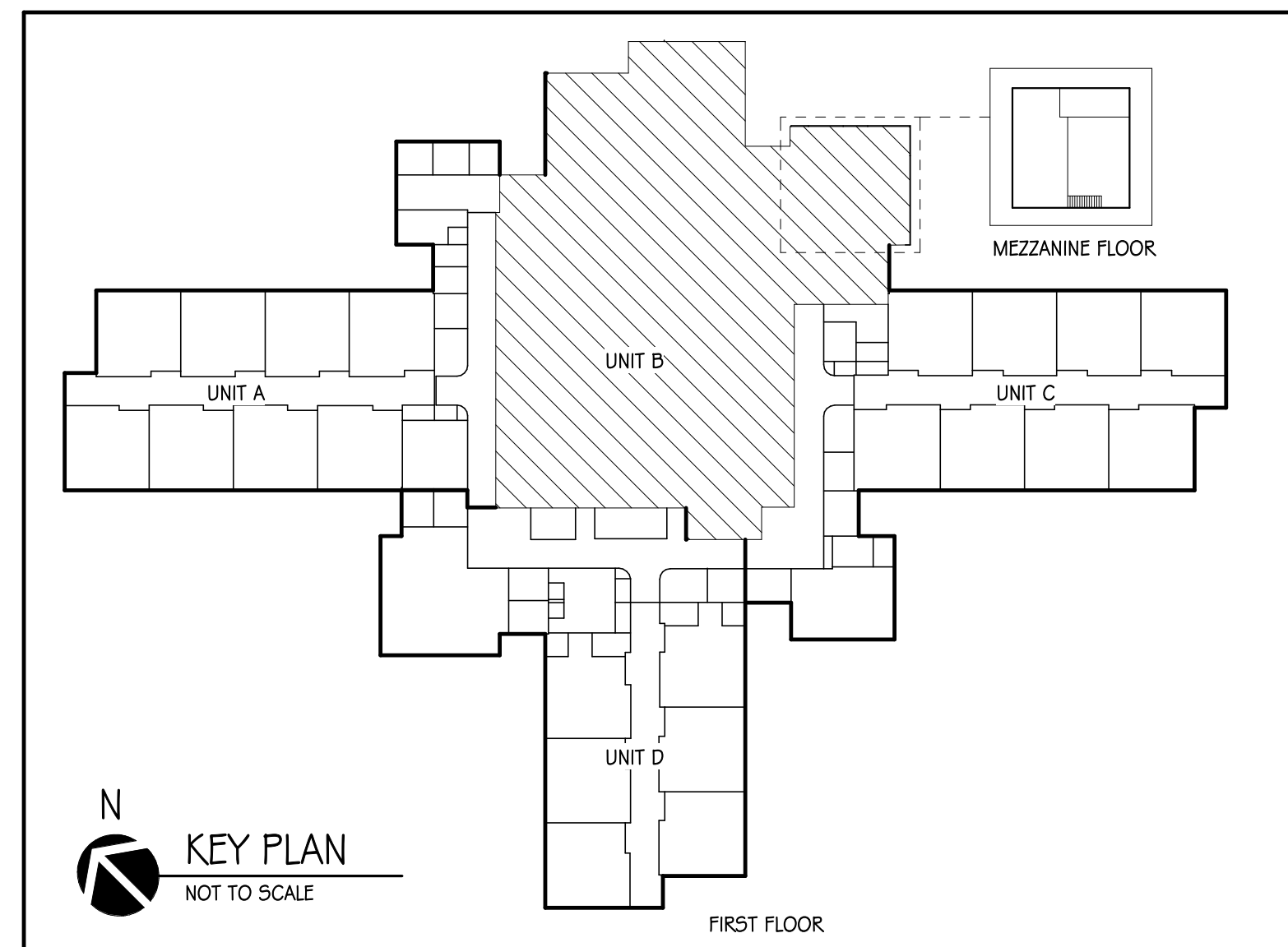
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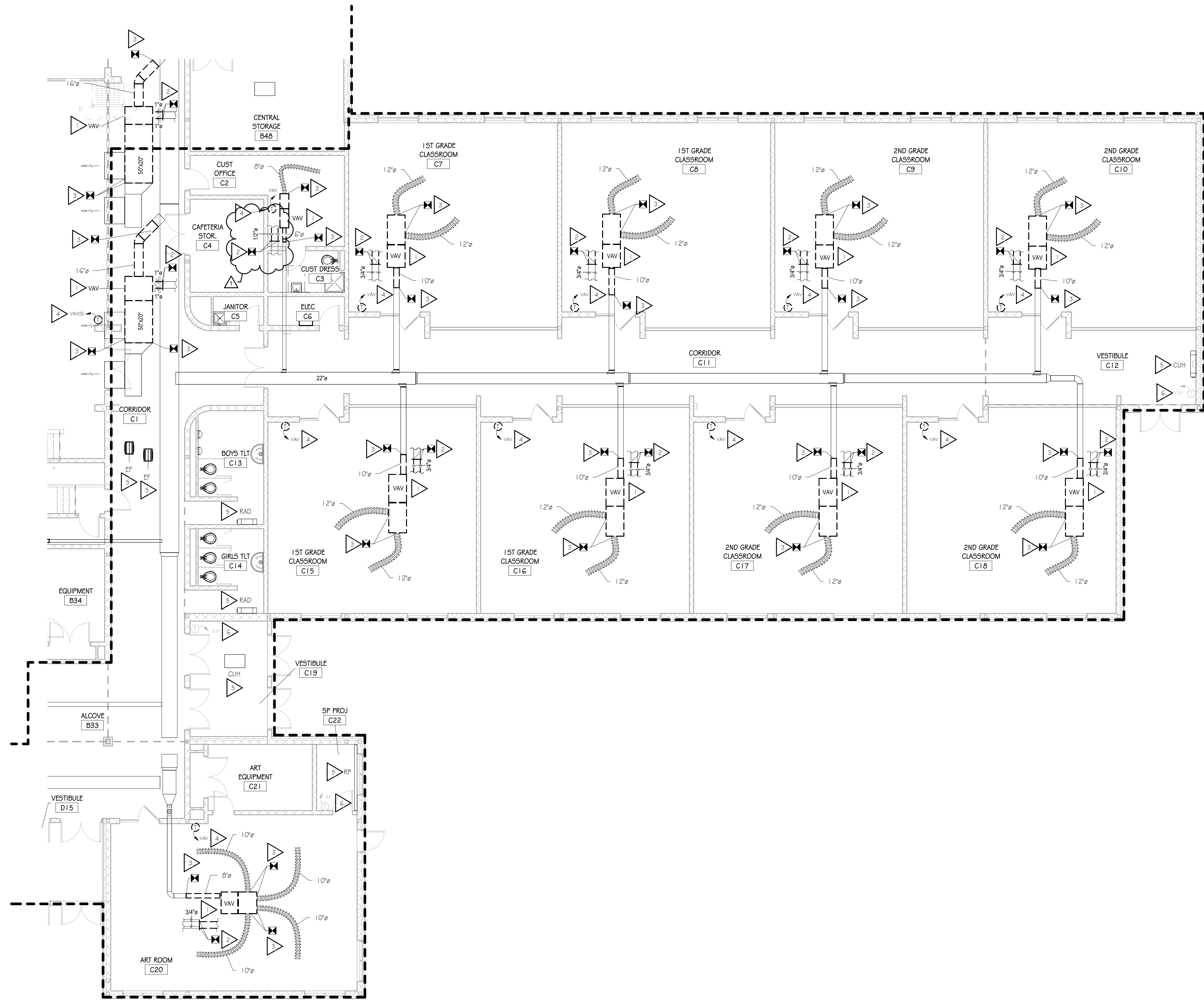
REVISION	DATE	DESCRIPTION
1	9-28-2026	Addendum 01

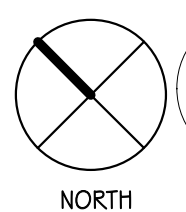
DATE	PROJECT
09/21/2026	2025.0014
TITLE	FIRST FLOOR MECHANICAL DEMOLITION PLAN - UNIT B

SHEET	MDI.1B
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one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot
one eighth inch = one foot



 **FIRST FLOOR MECHANICAL DEMOLITION PLAN - UNIT C**
SCALE: 1/8" = 1'-0"

MECHANICAL DEMOLITION PLAN NOTES

- ALL SCOPE OF WORK WITHIN MY SERIES OF DRAWINGS, ARE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.
- MECHANICAL CONTRACTOR SHALL COORDINATE ALL WORK WITHIN THIS SCOPE OF WORK WITH ALL OTHER TRADES AND GENERAL CONTRACTOR/CONSTRUCTION MANAGER.

CONTRACTOR SHALL CAREFULLY DISCONNECT AND REMOVE THE EXISTING VAV BOX COMPLETE, INCLUDING ALL HOT WATER HYDRONIC PIPING, SUPPLY AIR DUCTWORK AND FLEXIBLE DUCTWORK, WIRING, CONTROLS, AND ACCESSORIES AND MAKE READY FOR THE INSTALLATION OF A NEW UNIT TO BE INSTALLED IN THE SAME LOCATION. IT IS THE INTENT OF THESE DRAWINGS THAT THE CONTRACTOR SHALL REMOVE THE MINIMUM AMOUNT OF EXISTING DUCTWORK AS REQUIRED FOR REMOVAL AND REINSTALLATION OF THE NEW UNIT AS REQUIRED.

CONTRACTOR SHALL CAREFULLY DISCONNECT AND REMOVE THE EXISTING HYDRONIC WATER PIPING AND HYDRONIC ACCESSORIES FROM THE EXISTING TERMINAL BOX INCLUDING THE CONTROL VALVE, BALANCING VALVES, AIR VENTS, AND STRAINER AND MAKE READY FOR THE INSTALLATION OF NEW COMPONENTS TO BE INSTALLED FOR CONNECTION TO THE NEW UNITS. IT IS THE INTENT OF THESE DRAWINGS THAT THE CONTRACTOR SHALL REMOVE THE MINIMUM AMOUNT OF EXISTING PIPING AS REQUIRED FOR REMOVAL AND REINSTALLATION OF THE NEW UNIT AS REQUIRED.

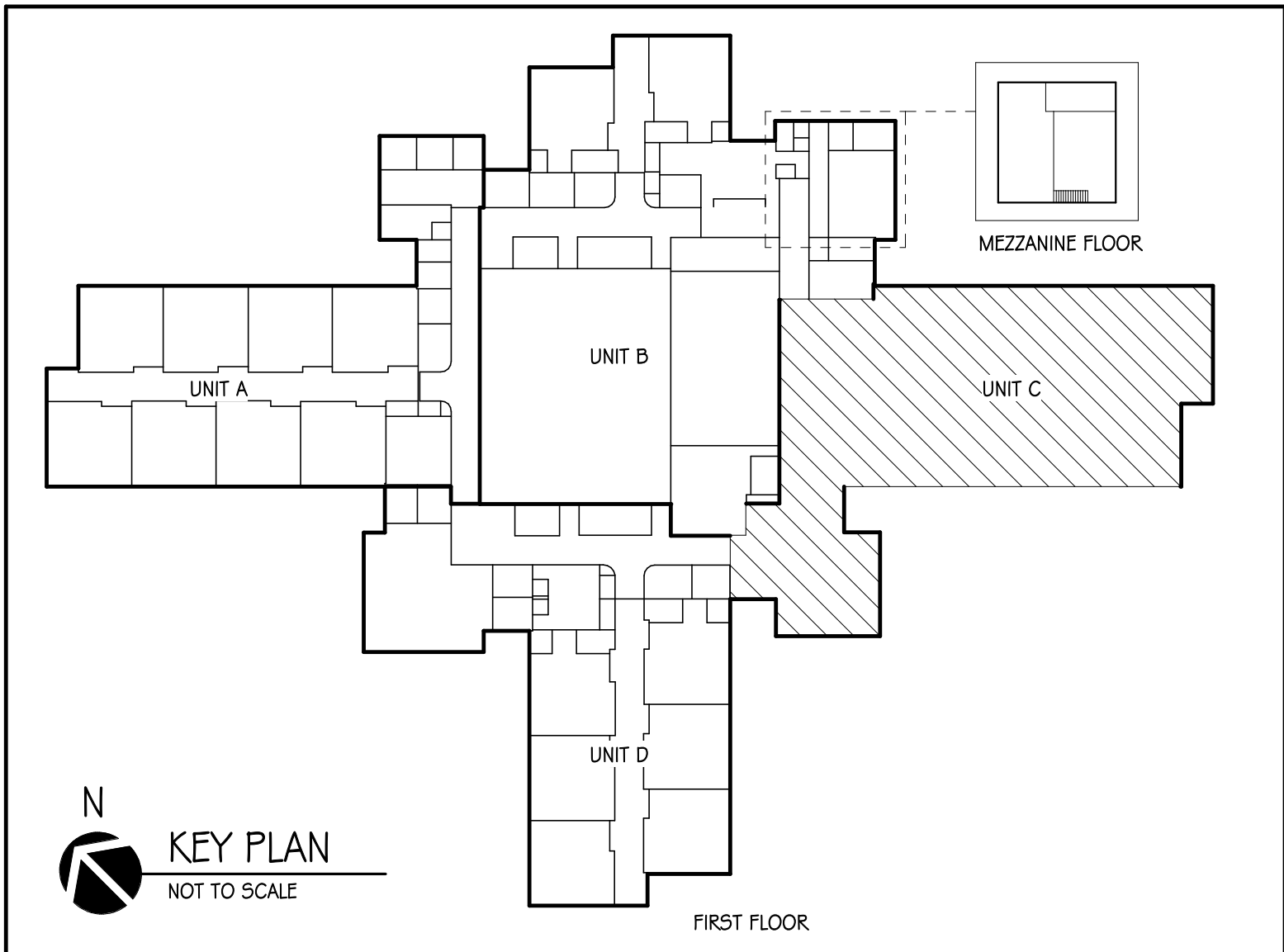
IT IS THE INTENT OF THIS PROJECT THAT THE EXISTING SUPPLY AIR DUCTWORK IS TO BE REMOVED FROM THE VAV TO THE POINT INDICATE TO ALLOW FOR THE INSTALLATION OF A NEW VAV BOX. CONTRACTOR SHALL CAREFULLY DISCONNECT THE EXISTING SHEET METAL DUCTWORK AND FLEXIBLE SUPPLY AIR DUCTWORK SHOWN TO REMAIN AND MAKE READY FOR RECONNECTION TO NEW DUCTWORK.

DISCONNECT AND REMOVE EXISTING THERMOSTAT / TEMPERATURE SENSOR COMPLETE, INCLUDING ALL ASSOCIATED WIRING, BASE, AND DEVICES AND MAKE READY FOR THE INSTALLATION OF A NEW DDC THERMOSTAT / TEMPERATURE SENSOR TO BE INSTALLED IN THE SAME LOCATION.

TEMPERATURE CONTROLS CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING CONTROLS COMPLETE, INCLUDING ALL TUBING, RELAY, ACTUATORS, CONTROL VALVES, AND ALL ACCESSORIES FROM THE EXISTING HVAC EQUIPMENT THAT IS TO REMAIN. CONTRACTOR SHALL MAKE ALL EXISTING EQUIPMENT THAT IS TO REMAIN, READY FOR THE INSTALLATION OF NEW DDC CONTROLS, VALVES, WIRING, AND ALL ACCESSORIES REQUIRED FOR A FULLY FUNCTIONAL SYSTEM.

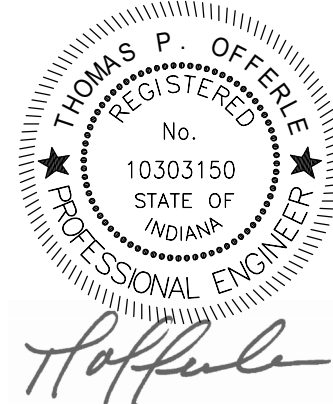
TEMPERATURE CONTROLS CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING THERMOSTAT COMPLETE, INCLUDING ALL ASSOCIATED CONTROLS, WIRING, TUBING, BASE, AND DEVICES AND MAKE READY FOR THE INSTALLATION OF A NEW DDC CONTROLS.

IT IS THE INTENT OF THIS PROJECT THAT IN ANY LOCATION WHERE THE REMOVAL OF ANY EXISTING DUCT OR PIPING INSULATION IS REQUIRED TO PERFORM ANY WORK BY THIS CONTRACTOR THAT IS SHOWN ON THE CONSTRUCTION DOCUMENTS, IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO PROVIDE AND INSTALL ALL NEW INSULATION ON ALL DUCTWORK, PIPING, AND ALL COMPONENTS FOR FULL COVERAGE.



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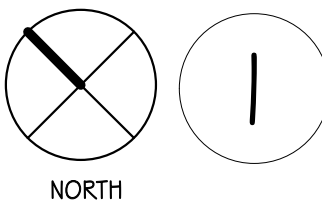
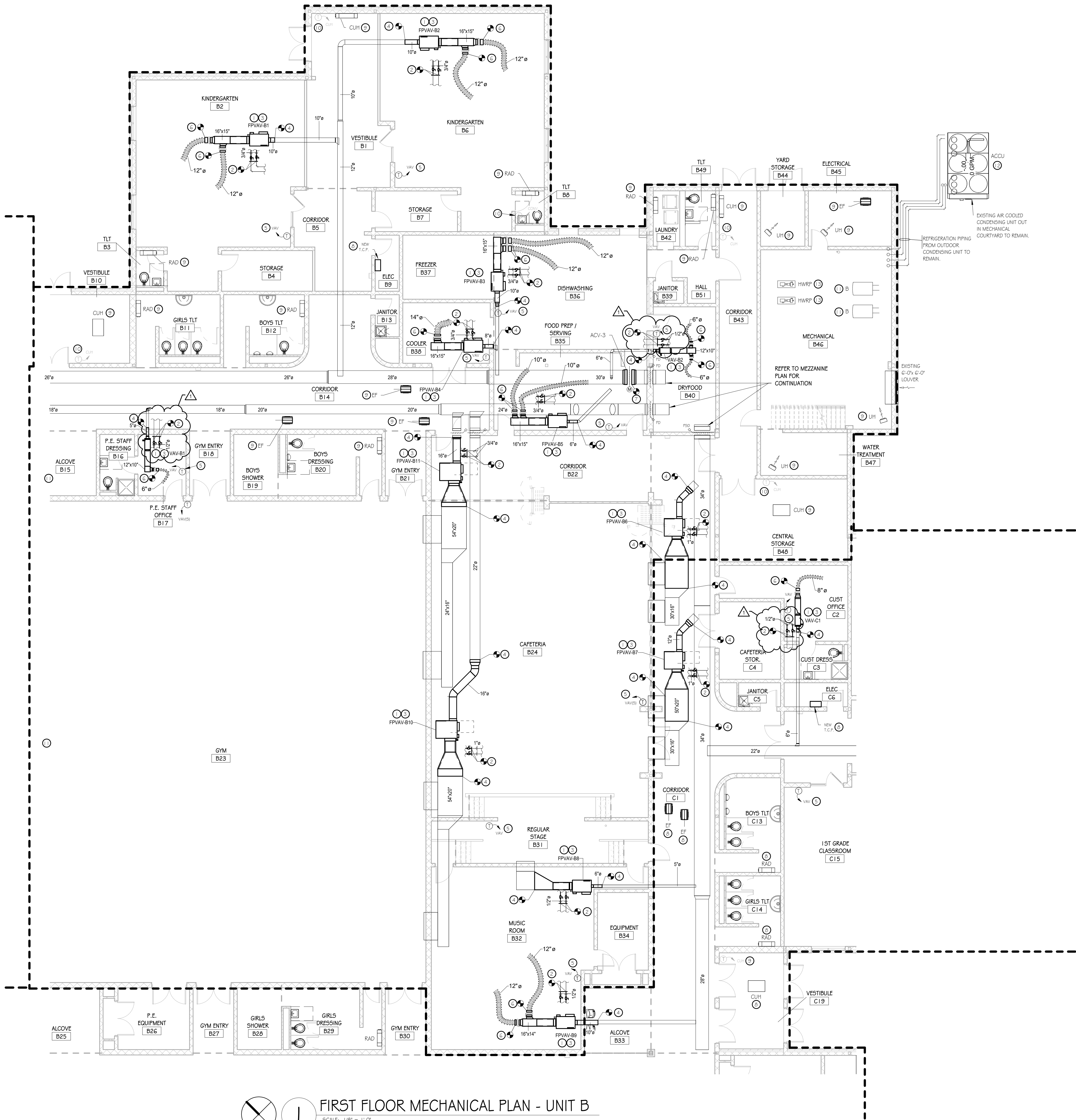
REVISION	DATE	DESCRIPTION
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DATE	PROJECT
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TITLE
FIRST FLOOR MECHANICAL DEMOLITION PLAN - UNIT C

SHEET
MDI.1C

one and one half inches = one foot
one inch = one foot
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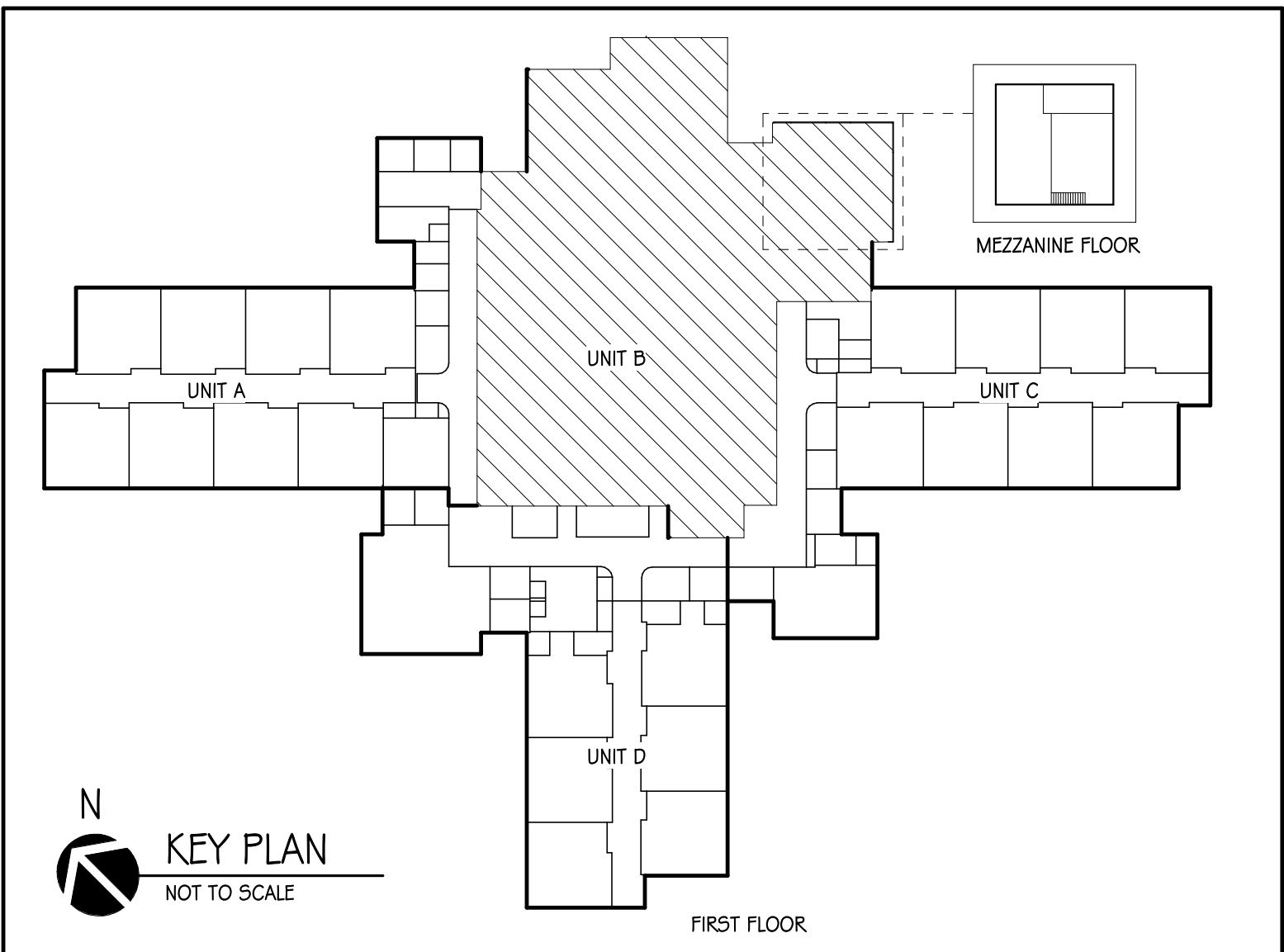


FIRST FLOOR MECHANICAL PLAN - UNIT B
SCALE: 1/8" = 1'-0"

MECHANICAL PLAN NOTES

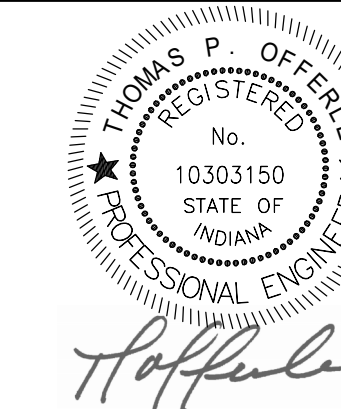
- ALL SCOPES OF WORK WITHIN "M" SERIES OF DRAWINGS, ARE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL COORDINATE ALL WORK WITHIN THIS SCOPE OF WORK WITH ALL OTHER TRADES AND GENERAL CONTRACTOR/CONSTRUCTION MANAGER.
- CONTRACTOR SHALL PROVIDE AND INSTALL NEW FAN POWERED VAV BOX IN THE SAME LOCATION AS THE PREVIOUSLY REMOVED BOX. PROVIDE AND INSTALL A PERMANENTLY AFFIXED EQUIPMENT LABEL TO THE CEILING GRID TO IDENTIFY THE LOCATION OF THE UNIT. COORDINATE INSTALLATION LOCATION OF THE LABEL WITH THE OWNER PRIOR TO INSTALLATION. CONTRACTOR SHALL PROVIDE AND INSTALL ALL REQUIRED COMPONENTS, WIRING, DUCTWORK, DUCT INSULATION, CONTROLS, AND ACCESSORIES REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM. MECHANICAL CONTRACTOR SHALL MODIFY AND EXTEND THE EXISTING SHEET METAL DUCTWORK AS REQUIRED TO INSTALL THE NEW VAV BOX. PROVIDE AN ADDITIONAL 5'-0" LINEAR FOOT OF DUCTWORK AND RE-CONNECT TO THE EXISTING DUCTWORK, AND EXTEND THE DUCTWORK AS REQUIRED FOR THE INSTALLATION OF THE VAV IN THE LOCATION AS SHOWN. CONTRACTOR SHALL INSULATE ALL NEW DUCTWORK AND ANY EXISTING DUCTWORK THAT HAD THE EXISTING INSULATION REMOVED TO ALLOW FOR VAV INSTALLATION. PROVIDE AND INSTALL ALL NECESSARY OFFSETS AND TRANSITIONS IN DUCTWORK AS REQUIRED.
 - TI-IN AND CONNECT NEW HYDRONIC HOT WATER SUPPLY, AND HOT WATER RETURN PIPING TO THE EXISTING PIPING AND ROUTE FOR CONNECTION TO THE NEW HOT WATER COIL ON THE VAV BOX. PROVIDE AND INSTALL ALL NEW FLOW CONTROL, CONTROL VALVES, PIPING INSULATION, AND ALL REQUIRED ACCESSORIES FOR A COMPLETE AND FUNCTIONING SYSTEM. CONTRACTOR TO PROVIDE AND INSTALL ALL NECESSARY OFFSETS AND TRANSITIONS IN THE PIPING AS REQUIRED FOR ROUTING AND INSTALLATION. FIELD VERIFY THE EXACT ROUTE AND LOCATION OF PIPING WITH EXISTING STRUCTURE AND EQUIPMENT. CONTRACTOR SHALL INSULATE ALL NEW HYDRONIC SUPPLY/RETURN PIPING AND ANY EXISTING PIPING THAT HAD THE EXISTING INSULATION REMOVED TO ALLOW FOR VAV INSTALLATION. REFER TO FAN POWERED VAVS 2-WAY OR 3-WAY PIPING DETAIL ON SHEET MS-1 FOR ADDITIONAL PIPING REQUIREMENTS AND INFORMATION.
 - PROVIDE AND INSTALL NEW DDC CONTROLS, INCLUDING ALL NEW ELECTRONIC DAMPER ACTUATORS, ELECTRONIC HOT WATER CONTROL VALVES, NEW FREEZE STAT, SENSORS, CONTROL WIRING, RELAYS, AND ACCESSORIES TO THE NEW UNIT THAT AS REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL ELECTRICAL POWER, COMPONENTS/WIRING AND PROGRAMMING AS REQUIRED TO CONNECT THE SYSTEM FOR A FULLY FUNCTIONING SYSTEM. WIRING SHALL BE INSTALLED PER THE CURRENT INDIANA NEC CODE.
 - TI-IN AND CONNECT NEW SUPPLY AIR DUCTWORK TO THE EXISTING BRANCH LINE AND ROUTE FOR CONNECTION TO THE NEW VAV UNIT. CONTRACTOR SHALL INSULATE ALL NEW DUCTWORK AND ANY EXISTING DUCTWORK THAT HAD THE EXISTING INSULATION REMOVED TO ALLOW FOR VAV INSTALLATION. PROVIDE AND INSTALL ALL NECESSARY OFFSETS AND TRANSITIONS IN DUCTWORK AS REQUIRED.
 - PROVIDE AND INSTALL NEW DDC TEMPERATURE SENSOR/THERMOSTAT TO BE INSTALLED WITHIN THE SAME LOCATION AS THE PREVIOUSLY REMOVED THERMOSTAT. THE NEW SENSOR SHALL BE INSTALLED WITHIN THE EXISTING WALL BOX AND THE NEW CONTROL WIRING SHALL BE ROUTED DOWN THE WALL WITHIN THE EXISTING CONDUIT FOR CONNECTION TO THE NEW SENSOR. TEMPERATURE CONTROLS CONTRACTOR SHALL PROVIDE AND INSTALL ALL CONTROL WIRING, RELAYS, AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL ELECTRICAL POWER, COMPONENTS/WIRING AND PROGRAMMING AS REQUIRED TO CONNECT THE SYSTEM FOR A FULLY FUNCTIONING SYSTEM. WIRING SHALL BE INSTALLED PER THE CURRENT INDIANA NEC CODE.
 - TI-IN AND CONNECT EXISTING DUCTWORK TO THE NEW SUPPLY AIR DUCTWORK ROUTED OFF THE DISCHARGE OF THE VAV AS SHOWN. CONTRACTOR SHALL MODIFY/EXTEND THE EXISTING FLEXIBLE DUCTWORK AS REQUIRED FOR THE INSTALLATION OF NEW WORK. PROVIDE AND INSTALL ALL NECESSARY OFFSETS, TRANSITIONS, AND FITTINGS AS REQUIRED.
 - PROVIDE AND INSTALL A NEW MODULATING DAMPER AND ELECTRONIC DAMPER ACTUATOR TO THE EXISTING SUPPLY AIR DUCTWORK THAT IS TO REMAIN. PROVIDE AND INSTALL NEW DDC CONTROLS, INCLUDING ALL CONTROL WIRING, RELAYS, AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL ELECTRICAL COMPONENTS/WIRING AND PROGRAMMING AS REQUIRED TO CONNECT THE SYSTEM FOR A FULLY FUNCTIONING SYSTEM. WIRING SHALL BE INSTALLED PER THE CURRENT INDIANA NEC CODE.
 - PROPOSED TEMPERATURE CONTROL PANEL LOCATION TO BE INSTALLED IN THE SAME LOCATION AS THE PREVIOUSLY REMOVED CONTROL PANEL AS SHOWN ON THE ELECTRICAL DEMOLITION PLANS. CONTRACTOR IS TO VERIFY QUANTITY AND LOCATION OF PANELS REQUIRED AND PROVIDE ELECTRICAL POWER TO ANY CHANGE IN LOCATION OR ADDITIONAL PANELS REQUIRED.
 - TEMPERATURE CONTROLS CONTRACTOR SHALL PROVIDE AND INSTALL NEW DDC CONTROLS, INCLUDING ALL NEW ELECTRONIC DAMPER ACTUATORS, ELECTRONIC HOT WATER/CHILLED WATER CONTROL VALVES, NEW FREEZE STAT, SENSORS, CONTROL WIRING, RELAYS, AND ACCESSORIES TO THE EXISTING HVAC UNIT THAT IS TO REMAIN AS REQUIRED TO TI-IN AND CONNECT TO THE NEW BUILDING MANAGEMENT SYSTEM FOR A COMPLETE AND FUNCTIONING SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL ELECTRICAL POWER, COMPONENTS/WIRING AND PROGRAMMING AS REQUIRED TO CONNECT THE SYSTEM FOR A FULLY FUNCTIONING SYSTEM. WIRING SHALL BE INSTALLED PER THE CURRENT INDIANA NEC CODE.
 - PROVIDE AND INSTALL NEW DDC TEMPERATURE SENSOR/THERMOSTAT TO BE INSTALLED WITHIN THE SAME LOCATION AS THE EXISTING THERMOSTAT. THE NEW SENSOR SHALL BE INSTALLED WITHIN THE EXISTING WALL BOX AND THE NEW CONTROL WIRING SHALL BE ROUTED DOWN THE WALL WITHIN THE EXISTING CONDUIT FOR CONNECTION TO THE NEW SENSOR. TEMPERATURE CONTROLS CONTRACTOR SHALL REMOVE THE EXISTING THERMOSTAT AND WIRING COMPLETE AND PROVIDE AND INSTALL ALL NEW CONTROL WIRING, RELAYS, AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL ELECTRICAL COMPONENTS/WIRING AND PROGRAMMING AS REQUIRED TO CONNECT THE SYSTEM FOR A FULLY FUNCTIONING SYSTEM. WIRING SHALL BE INSTALLED PER THE CURRENT INDIANA NEC CODE. CONTRACTOR SHALL FIELD VERIFY FINAL CONTROL PANEL INSTALLATION LOCATION BASED UPON ALL EXISTING BUILDING CONDITIONS.
 - TI-IN AND CONNECT EXISTING BOILER TO NEW DDC CONTROL SYSTEM. PROVIDE AND INSTALL NEW BOILER CONTROL PANEL (IF REQUIRED FOR INTEGRATION), ALL NEW SENSING ELEMENTS, CABLING/WIRING BETWEEN BOILER CONTROL VALVE AND PACKAGED BOILER CONTROLS, RELAYS, AND ALL REQUIRED ACCESSORIES FOR A COMPLETE AND FUNCTIONING SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL ELECTRICAL COMPONENTS/WIRING AND PROGRAMMING AS REQUIRED TO CONNECT THE SYSTEM FOR A FULLY FUNCTIONING SYSTEM. WIRING SHALL BE INSTALLED PER THE CURRENT INDIANA NEC CODE. CONTRACTOR SHALL FIELD VERIFY FINAL CONTROL PANEL INSTALLATION LOCATION BASED UPON ALL EXISTING BUILDING CONDITIONS.
 - TI-IN AND CONNECT EXISTING CONDENSING UNIT TO THE NEW DDC CONTROL SYSTEM. PROVIDE AND INSTALL A NEW CONTROL PANEL (IF REQUIRED FOR INTEGRATION), ALL NEW SENSING ELEMENTS, CABLING/WIRING BETWEEN ACCU AND PACKAGED CONTROLS, RELAYS, AND ALL REQUIRED ACCESSORIES FOR A COMPLETE AND FUNCTIONING SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL ELECTRICAL COMPONENTS/WIRING AND PROGRAMMING AS REQUIRED TO CONNECT THE SYSTEM FOR A FULLY FUNCTIONING SYSTEM. WIRING SHALL BE INSTALLED PER THE CURRENT INDIANA NEC CODE. CONTRACTOR SHALL FIELD VERIFY FINAL CONTROL PANEL INSTALLATION LOCATION BASED UPON ALL EXISTING BUILDING CONDITIONS.

IT IS THE INTENT OF THIS PROJECT THAT IN ANY LOCATION WHERE THE REMOVAL OF ANY EXISTING DUCT OR PIPING INSULATION IS REQUIRED TO PERFORM ANY WORK BY THIS CONTRACTOR, THAT IS SHOWN ON THE CONTRACTOR BOB DIAGRAMS, IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO PROVIDE AND INSTALL ALL NEW INSULATION ON ALL DUCTWORK, PIPING, AND ALL COMPONENTS FOR FULL COVERAGE.



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TITLE
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