

# ADDENDUM



**Date:** November 02, 2023

**Project:** Tri County Public Schools HVAC  
Renovation Phase V

**To:** Bidding Contractors

**Project No.:** 23-003

**Addendum No.:** 1

**CC:**

## CHANGES TO PROJECT MANUAL

**00 41 13 Bid Form** – contractor shall provide a \$7,500 contingency as part of their bid for any fire sprinkler work that may need to take place during construction. If work is not required contingency dollars shall be returned to owner.

## CHANGES TO PROJECT DRAWINGS

### Mechanical

1. **MD1.1 – Demolition Floor Plan – Mechanical**
  - a. Keynote 1 shall now read: Existing roof top unit and all accessories and controls to be removed. Contractor to remove existing roof curb and infill opening in structural deck. Openings under roof curb shall be infilled with metal roof decking material that matches gauge of existing roof, decking shall be properly fastened to existing structure. Rigid insulation shall be installed on top of new decking matching the height of the existing roof. Chapel Roofing shall be responsible for providing and installing roofing material over the rigid insulation. Contact Derrek Dagger with Chapel Roofing for coordination purposes 402-202-5750.
  - b. Keynote 7 shall now read: Contractor to remove entire lay-in ceiling grid system and ceiling tile throughout Area 'C' where work is taking place. Contractor to provide and install new grid and ceiling tiles. Grid shall be 2' x 2' spacing, new tiles shall be Armstrong model 770.
2. **M1.1 – Floor Plan – Mechanical** – see attached drawing.
  - a. Keynote 11 shall now read: Owner is replacing this portion of roof of Area 'C' as separate project. The roofing project will take place at the same time as this project. Scheduling of roof patching, roof top units, and roof top curb installation shall be coordinated with the roofer. Contractor shall coordinate all other related roof work with roofer throughout duration of project. Chapel Roofing is the contractor for the new roof, contact is Derrek Dagger 402-202-5750.
  - b. Keynote 15 added: This area of roof is under warranty with Weathercraft. All roof patching, roof top unit installation, and roof curb installation shall be coordinated with Weathercraft. Contractor shall coordinate all other roof related work with Weathercraft for warranty work throughout duration of project. Weathercraft contact is Chris McClintock.
  - c. Roof Plan – Mechanical
    - See revised drawing for area of roof that is still under warranty and area that is to be replaced under separate project during same time as this project.
    - RTU-5 shall be shifted up on plan so it is located on portion of roof being replaced.
  - d. Floor Plan – Mechanical
    - Supply and return air ductwork and gas piping associated with RTU-5 reworked as required for new location of roof top unit.



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## **Electrical**

1. **E1.1 – Floor Plan – Electrical** – see attached drawing.
  - a. Adjusted connection to relocated RTU-5.
  - b. Removed duct detectors from RTU-1 and RTU-2.
  - c. Added key note 3. Electrical contractor to provide temporary support to electrical device in removed ceilings.
  
2. **E2.1 – Schedules and Details – Electrical** – see attached drawing.
  - a. Existing conduit feeding new panel MP2 to remain and be re-used.
  - b. Panel Schedule for existing panel LP8A added to the sheet.



ADVANCED  
ENGINEERING  
SYSTEMS

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ADVANCED ENGINEERING SYSTEMS

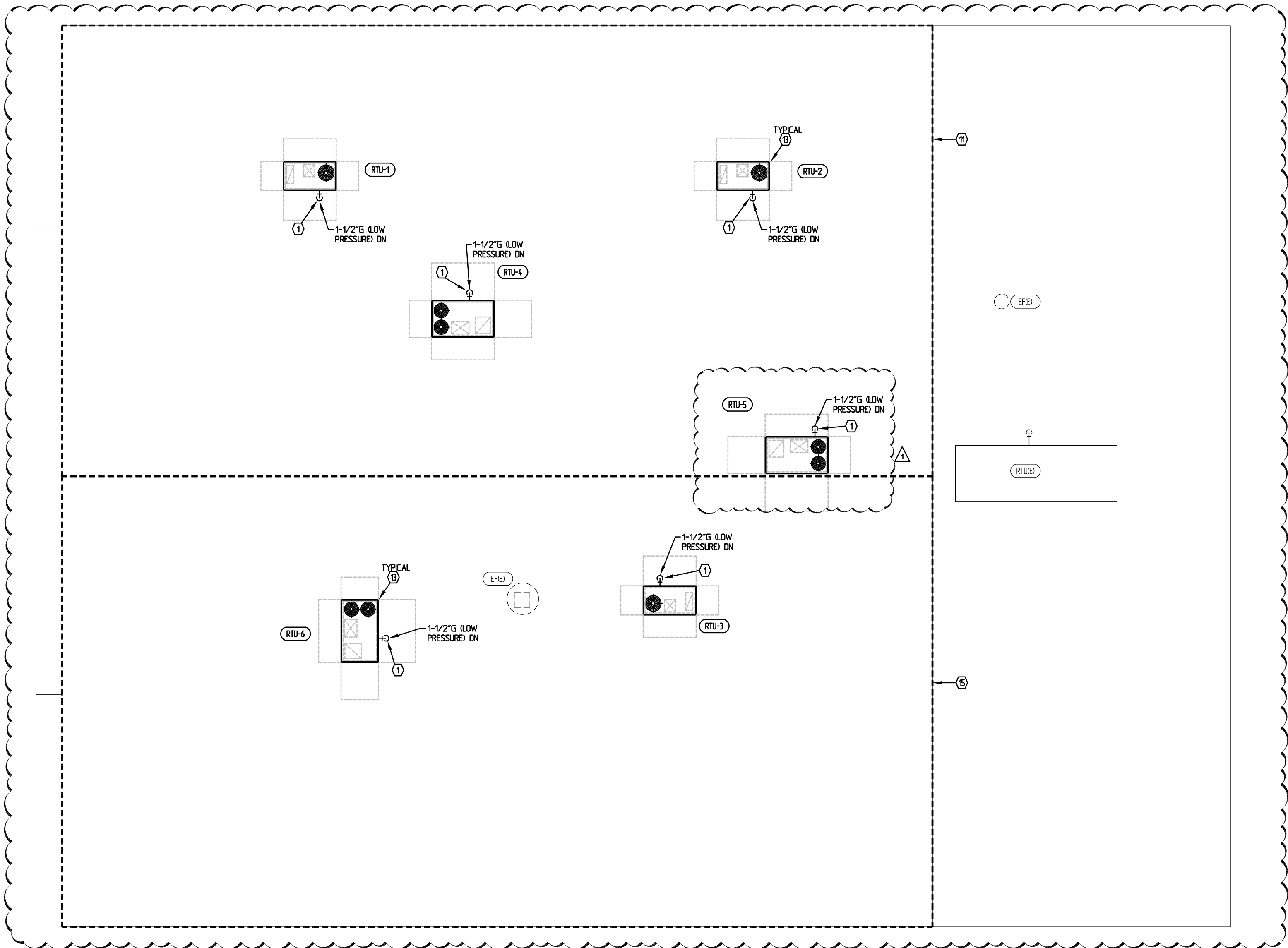
CERTIFICATE OF  
AUTHORIZATION #: CA1800

PROJECT #: 23003

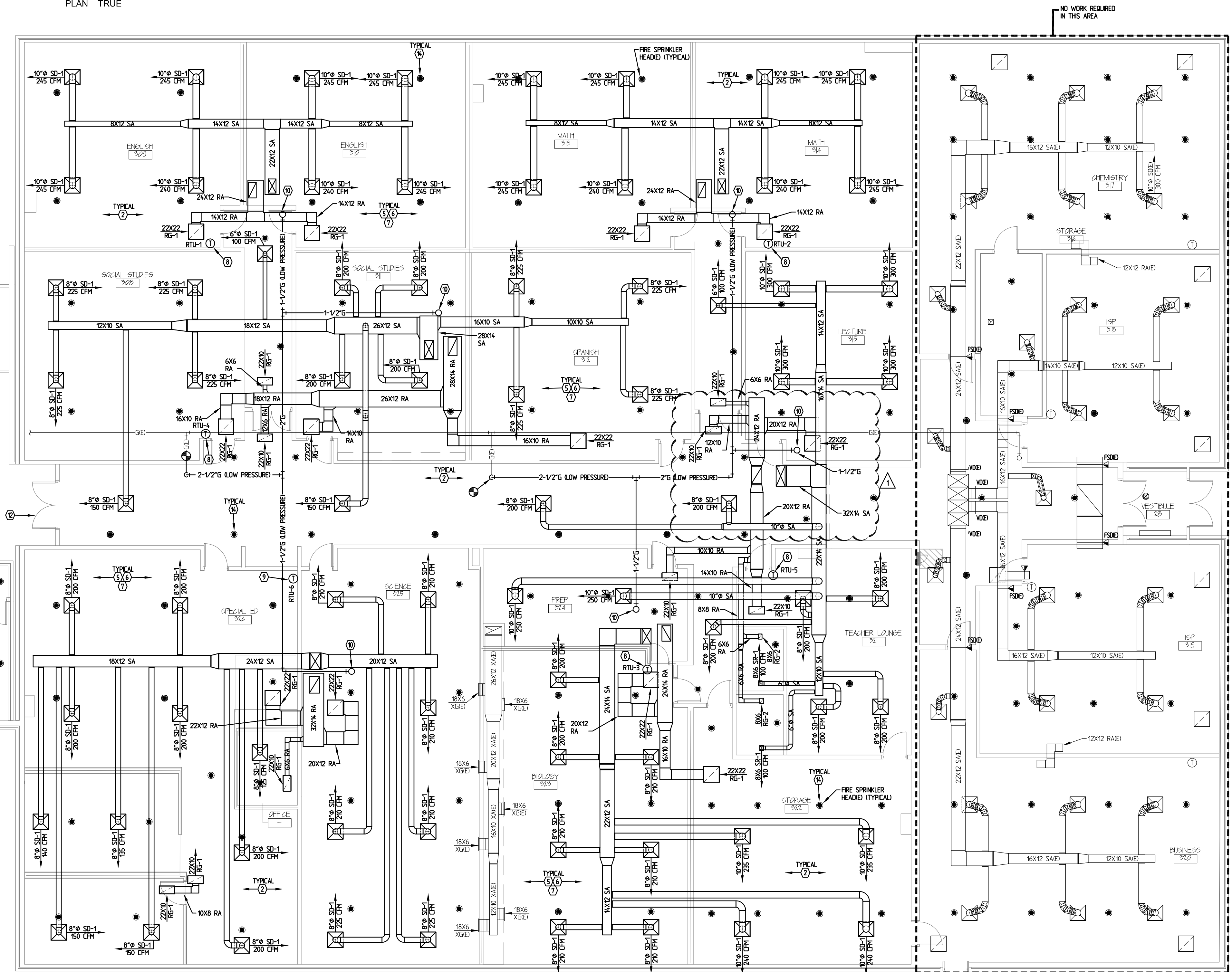
# KEY NOTES

SYMBOL =

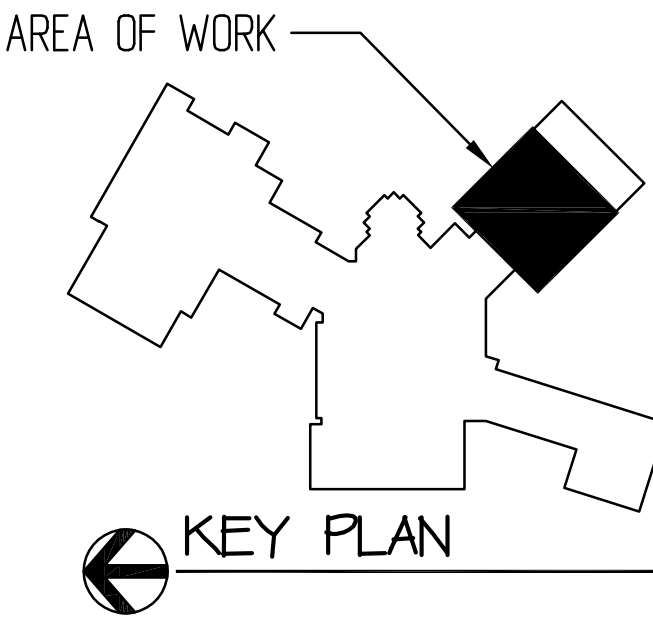
1. PROVIDE UNION, 3 INCH MINIMUM ORT LEE, SHUT-OFF VALVE AND FLEXIBLE CONNECTION IN GAS PIPING AT CONNECTION TO EQUIPMENT.
2. COORDINATE INSTALLATION OF ALL NEW DIFFUSERS, REGISTERS, AND DUCTWORK WITH EXISTING STRUCTURE, LIGHTS, FIRE SPRINKLER SYSTEM, AND ALL OTHER CONDITIONS.
3. CONTRACTOR TO PROTECT CARPET THROUGHOUT WORK AREA.
4. OWNER IS RESPONSIBLE FOR MOVING FURNITURE AS NEEDED FOR CONTRACTOR TO PERFORM WORK.
5. CONTRACTOR TO REMOVE ALL LAY-IN CEILING GRID SYSTEM AND CEILING TILE AS REQUIRED TO INSTALL HVAC SYSTEM. CONTRACTOR TO TEMPORARILY STORE TILES ON SITE. CONTRACTOR TO PROVIDE AND INSTALL NEW GRID AND EXISTING CEILING TILES AFTER HVAC WORK IS COMPLETE. ANY DAMAGED CEILING TILES SHALL BE REPLACED BY THE CONTRACTOR WITH LIKE MATERIAL.
6. INSTALL THERMOSTAT IN SAME LOCATION AS EXISTING THAT WAS REMOVED. PATCH AND REPAIR WALL WAS REQUIRED TO MATCH EXISTING CONDITIONS.
7. INSTALL THERMOSTAT 54" ABOVE FINISHED FLOOR.
8. EXTEND GAS PIPING UP THROUGH ROOF IN METAL PITCH POCKET.
9. OWNER IS REPLACING THIS PORTION OF ROOF OF AREA 'C' AS SEPARATE PROJECT. THE ROOFING PROJECT WILL TAKE PLACE AT THE SAME TIME AS THIS PROJECT. SCHEDULING OF ROOF PATCHING, ROOF TOP UNITS, AND ROOF TOP CURB INSTALLATION SHALL BE COORDINATED WITH THE ROOFER. CONTRACTOR SHALL COORDINATE ALL OTHER RELATED ROOF WORK WITH ROOFER THROUGHOUT DURATION OF PROJECT.
10. DOORS TO BE CLOSED DURING CONSTRUCTION. CONTRACTOR TO PROVIDE PLASTIC OVER DOORS TO CONTAIN DUST.
11. ROOF STRUCTURE IS ADEQUATE TO SUPPORT NEW ROOF TOP UNITS. NO ADDITIONAL REINFORCING IS NECESSARY. ROOF TOP UNITS SHALL BE LOCATED SO THEY SPAN ACROSS TWO BAR JOIST.
12. COORDINATE INSTALLATION OF NEW DUCTWORK WITH EXISTING FIRE SPRINKLER SYSTEM. FIRE SPRINKLER CONTRACTOR SHALL BE HIRED TO TEMPORARILY TIE UP SPRINKLER HEADS IF NEEDED FOR REMOVAL OF CEILING. ALL SPRINKLER HEADS SHALL BE INSTALLED IN CEILING AFTER IT IS REINSTALLED.
13. THIS PORTION OF ROOF OF AREA 'C' IS UNDER WARRANTY WITH WEATHERCRAFT. ALL ROOF PATCHING, ROOF TOP UNIT INSTALLATION, AND ROOF CURB INSTALLATION SHALL BE COORDINATED WITH WEATHERCRAFT. CONTRACTOR SHALL COORDINATE ALL OTHER ROOF RELATED WORK WITH WEATHERCRAFT FOR WARRANTY WORK THROUGHOUT DURATION OF PROJECT.



ROOF PLAN - MECHANICAL  
SCALE: 3/32" = 1'-0"



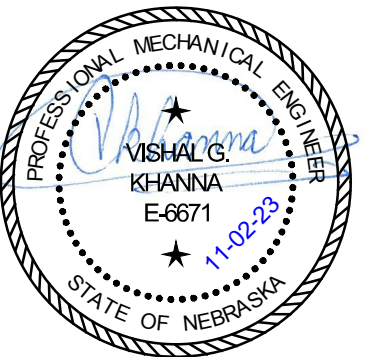
FLOOR PLAN - MECHANICAL  
SCALE: 1/8" = 1'-0"



Tri County Public Schools  
HVAC Upgrade Phase V  
72520 Highway 103  
DeWitt, NE 68341

No.	Issued For	Date
1	Addendum #1	11-02-2023

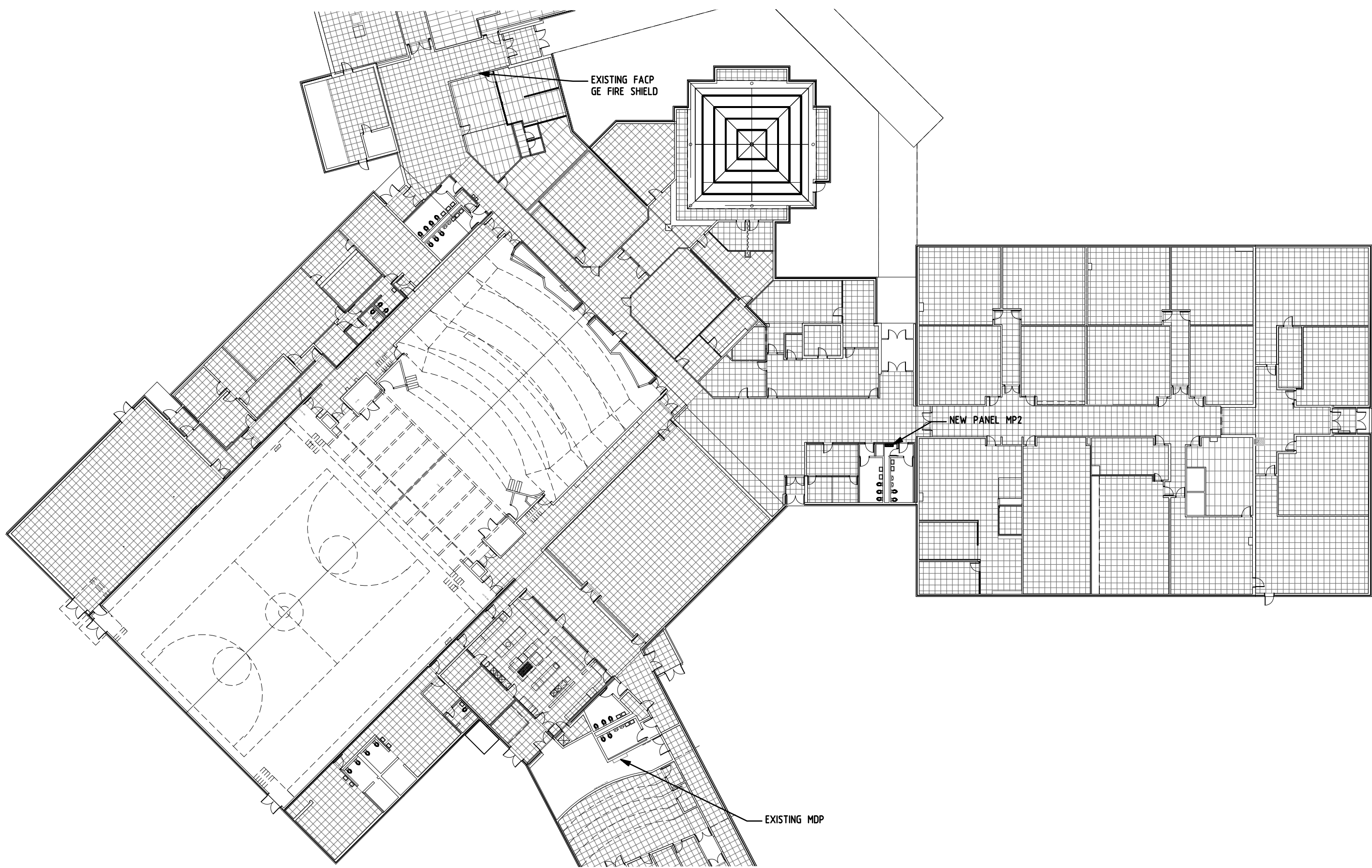
DATE: 10-12-2023



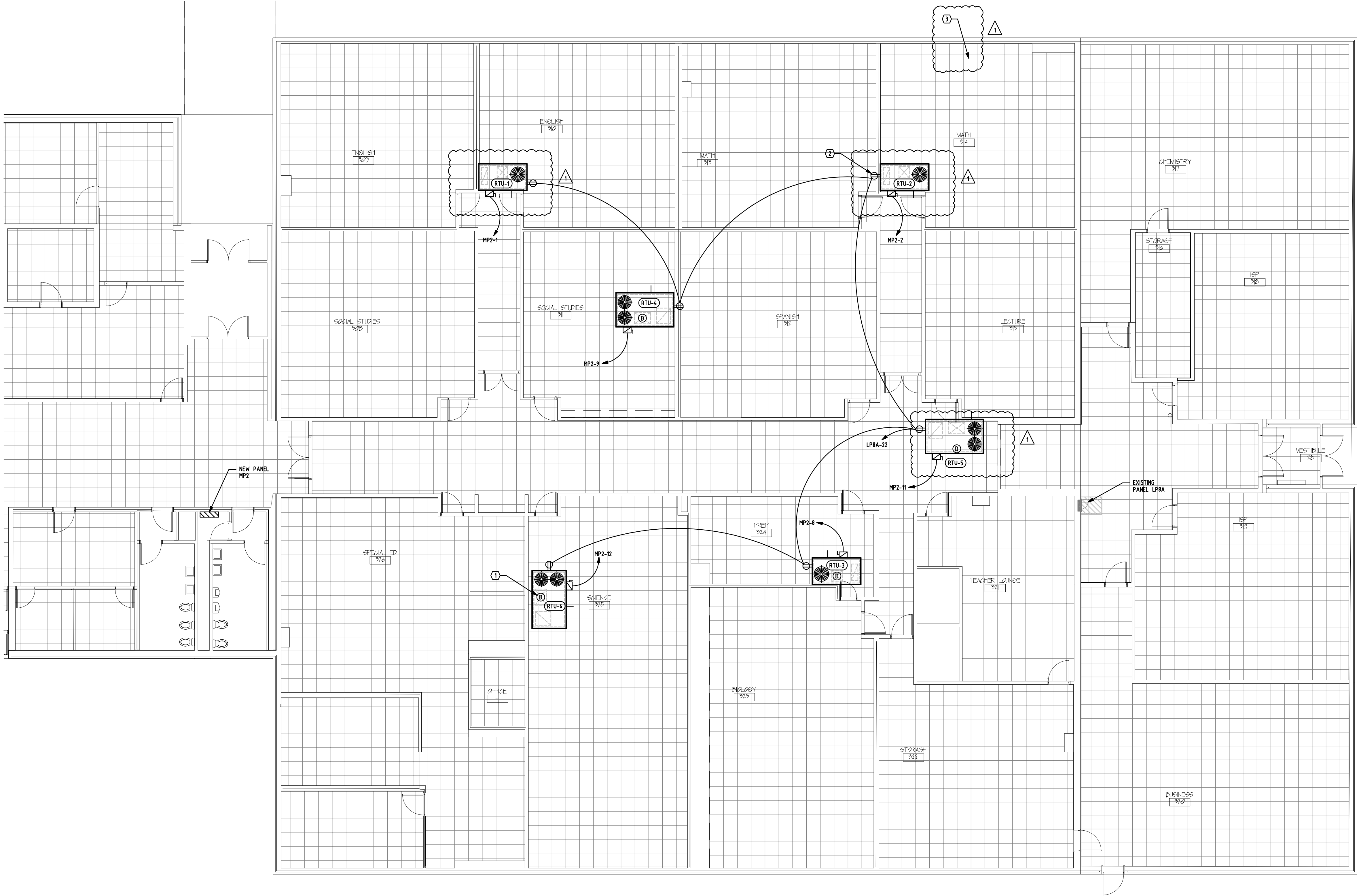
FLOOR PLAN -  
MECHANICAL



M1.1






  FLOOR PLAN - ELECTRICAL  
SCALE: 1/32" = 1'-0"

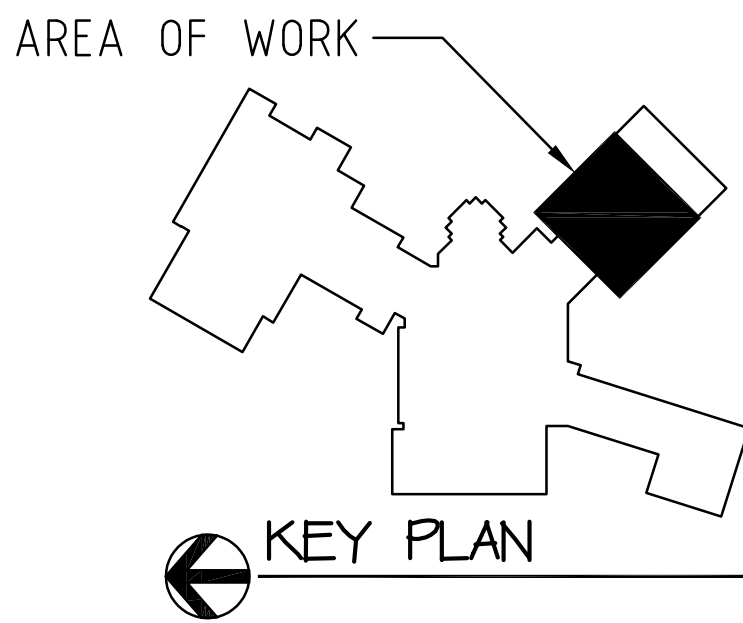
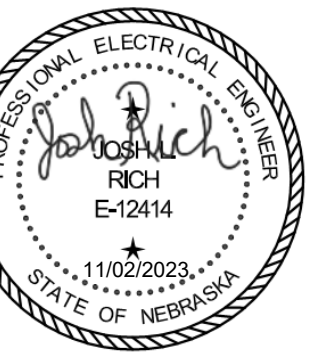


  FLOOR PLAN - ELECTRICAL  
SCALE: 1/8" = 1'-0"

- KEY NOTES** SYMBOL = 
1. TYPICAL PROVIDE DUCT DETECTOR AND SHUTDOWN RELAY WITH REMOTE TEST SWITCH COORDINATE LOCATION OF TEST SWITCH AND CONNECT TO EXISTING FIRE ALARM CONTROL PANEL.
  2. TYPICAL PROVIDE WEATHER RESISTANT TAMPER PROOF GFI RECEPTACLE WITH IN-USE COVER AT 24" AFF.
  3. TYPICAL ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT FOR ALL EXISTING LIGHT FIXTURES, SPEAKERS, FIRE ALARM DEVICES, AND OTHER ELECTRICAL DEVICES IN AREA OF WORK WHILE CEILINGS ARE REMOVED.

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C ADVANCED ENGINEERING SYSTEMS  
**CERTIFICATE OF**  
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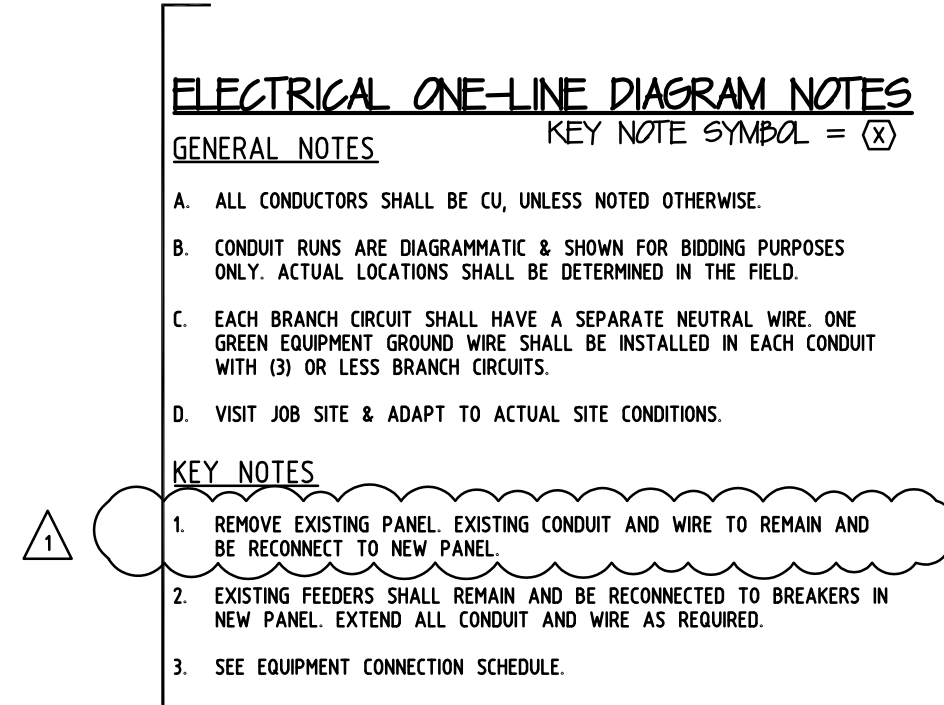
*Tri County Public Schools  
HVAC Upgrade Phase V  
72520 Highway 103  
DeWitt, NE 68341*

DATE: 10-12-2023



## ***E2.1***

EXISTING PANEL LP8A																
Main Rating	Interior	Voltage	Phase					Wire	KAIC	Mounting						
225	MLO	120/208V	3					4		RECESSED						
General Notes:																
CUTLER HAMMER TYPE PRL1																
Notes	LTS	RCPT	M/LM/E/A/S	Circuit Description	AMP	Pole	CKT	Phase	CKT	Pole	AMP	Circuit Description	M/LM/E/A/S	RCPT	LTS	Notes
				RECEPTS A104	20	1	1	A	2	1	20	LTS A104 C109				
				RECEPTS A104	20	1	3	B	4	1	20	LTS A104 C109				
				RECEPTS A105	20	1	5	C	6	1	20	LTS A104 C112				
				RECEPTS A102	20	1	7	A	8	1	20	LTS A104 C112				
				RECEPTS A102	20	1	9	B	10	1	20	LTS A101 A105				
				RECEPTS W. WALL 101 106, 104	20	1	11	C	12	1	20	LTS A105 C111				
				RECEPTS A105	20	1	13	A	14	1	20	LTS A109 C110				
				RECEPTS A105	20	1	15	B	16	1	20	FIRE DAMPERS				
				A105 WIREMOLD	20	1	17	C	18	1	20	REGULAR DAMPERS				
				A105 WIREMOLD	20	1	19	A	20	1	20	EXISTING				
				A106 WIREMOLD	20	1	21	B	22	1	20	RTU RECEPTACES			1200	1
				A106 WIREMOLD	20	1	23	C	24							
				A106 WIREMOLD	20	1	25	A	26							
				A106 WIREMOLD	20	1	27	B	28							
				A106 WIREMOLD	20	1	29	C	30							
				C112 FRONT FLOOR BOX	20	1	31	A	32	3	20	VESTIBULE HEATER				
				C112 2ND FLOOR BOX	20	1	33	B	34	-	-					
				C112 2ND FLOOR BOX	20	1	35	C	36	-	-					
				C112 4TH FLOOR BOX	20	1	37	A	38	-	-					
				C112 5TH FLOOR BOX	20	1	39	B	40	-	-					
				RTU	150	3			41	C	42					
				Connected VA Phase A:	0							Demand VA Phase A:	0			
				Connected VA Phase B:	1200							Demand VA Phase B:	1200			
				Connected VA Phase C:	0							Demand VA Phase C:	0			
					Connected							Demand				
				Lighting Load:	0							1,250				Phase Balance A-B=
				Receptacle (First 10 KVA)	1200						1,000	1200				0%
				Receptacle (Remainder)	0						0.50	0				Phase Balance B-C=
				Largest Motor	0						1,250	0				Phase Balance C-A=
				Remaining Motor	0						1,00	0				0000
				Appliance:	0						1,00	0				
				Equipment:	0						1,00	0				
				Sub Feed Panel:	0						1,00	0				
				Total:	1200							1200				Demand Load (A) =
				Load (Amps)	3.3							3.3				Spare Capacity (A) =
				M = Motor												4
				E = Equipment												
				S = Sub Feed Panel												
				A = Appliance												
Notes:																
1. PROVIDE NEW BREAKER IN EXISTING PANEL																



REVISED ELECTRICAL ONE-LINE DIAGRAM  
SCALE: NONE

