

addendum

addendum no. 01

date: 11/10/2025
bid date: 11/20/2025

project name: Lewis Central High School Rooftop Unit Replacement

project no: 25336

This addendum is hereby made a part of the contract documents to the same extent as if it were originally included therein. Contract documents shall be considered modified or revised as hereinafter described.

General items

1. Pre-bid meeting agenda and sign-in sheet are attached.
2. Recent roofing contractor that installed the existing roofing system in the project area:
Black Hawk Roof
3. Expectation is for contractors to coordinate with the district to maintain floor conditions in the project area.

mechanical items

1. Mechanical Specification section 23 09 00
 - a. Subsection 1.5 APPROVED CONTROL SYSTEM PRIMARY CONTRACTORS
 - i. Product line: ~~Alerton/Siemens~~ **Dystec/Honeywell**
2. M4.00 – MECHANICAL SCHEDULE
 - a. See the attached sheet for revised controls remarks in ROOFTOP UNIT WITH ERV SCHEDULE and AHU SCHEDULE.

electrical items

3. ED1.00 – FLOOR PLAN – ELECTRICAL DEMOLITION
 - a. Note for FA/speaker devices to be re-installed.
4. E1.01 – ROOF PLAN – ELECTRICAL
 - a. Show existing conduits on plans.

architectural items

5. Architectural specifications section 09 51 00 – ACOUSTICAL CEILINGS
 - a. Subsection 2.03, B.12: add the following after 12a.:
 - i. “b. other acceptable products; USG Radar #2220.”
6. A1.2 – REFLECTED CEILING PLAN – AREA D
 - a. See attached sheet A1.2 for revision to Reflected Ceiling Plan Flag Note #4.

end of addendum

**Lewis Central Community Schools
High School
RTU Replacement
Pre-Bid Meeting Agenda**



Meeting Date: November 5, 2025
Time: 3:00 pm
Meeting Location: Lewis Central High School
Project Name: Lewis Central High School – RTU Replacement
Project No: 25336

1. Introductions (Brad Shaner – MEI Mechanical, John Delaney – MEI Mechanical, Brett Wallace – Project Advocates, Jim Ettleman – Lewis Central, Other Staff)
2. Sign-in Sheet
3. Project Description
 - A. Remove and replace four existing rooftop units and one rooftop air handling unit with associated controls.
 - B. Remove existing chilled water and hot water piping inside building from removed rooftop units.
 - C. Modify existing chilled water and hot water piping connections to air handling unit, including replacement of associated hot water circulator pump.
 - D. Remove and patch existing roof hoods in small gym and wrestling room.
 - E. Provide new roof hydrant near air handling unit.
 - F. Remove and replacement of existing corridor ACT ceiling.
 - 1) Remove and replace existing diffusers and grilles in this ceiling.
 - 2) Remove existing lighting fixtures in this ceiling. New fixtures will be installed as separate project.
 - 3) Remove and reinstall all other existing devices in this ceiling.
 - G. Provide ductwork, gas piping, and condensate piping as required.
 - H. Provide all electrical work required for new equipment connections. Addendum to show conduit from panel to RTU area has already been routed.
 - I. Temperature Controls – Tie into existing building system.
 - 1) Provide new jace controller for all Area D equipment to be connected through.
 - 2) Replacement of existing VAV terminal unit controllers.

4. Bid Date, Time, Place:
 - A. **2:00 PM (CST), Thursday, November 20, 2025**
 - B. **Send bids to**

*Dr. Brent Hoelsing
Superintendent
Lewis Central Community School District
4121 Harry Langdon Blvd
Council Bluffs, IA 51053*
 - C. **Owner will publicly open bids received.**
5. Bid Submittal:
 - A. Must be on exact copy of Bid Form in the Bid Documents
6. Schedule/Completion of the Work:
 - A. Identify completion of work
 - 1) School Available June 1st, 2026
 - 2) Substantial Completion on ~~July 27th~~ **August 4th**, 2026
7. Addenda/Interpretations:
 - A. We will issue an Addendum reflecting changes and clarifications generated by this meeting.
8. Substitutions:
 - A. No substitutions officially accepted until noted as such in an Addendum.
9. Form of Agreement: As in the project specification book Instructions to bidders, section 200, AIA 201-2007: Standard form of agreement between owner and contractor”.
 - A. Lewis Central Modifications
10. Insurance:
 - A. As stated in the General, Supplemental Conditions, and Special Conditions bound in the Bid Documents
11. Document Exchange – email
12. Commissioning – John Smay, Optimized Systems
13. Demolition – note any existing conditions. All undocumented damages not shown with picture evidence will be assumed as a result of construction.
14. Permits, Contractors are responsible for all permits and fees.
15. Trash Removal, coordinate dumpster location with building owner.
16. Parking. Other Projects? **Coordinate with lighting project**

17. Temporary Facilities:
 - A. Handicap parking must be maintained at all times.
 - B. Temporary Utilities:
 - 1) Contractor is responsible for connection
 - C. Restrooms - Porta potty or on-site facilities
18. Materials and Equipment:
 - A. Storage
 - B. Introduction into building
19. Building tour
 - A. Roof

attendance roster

project name: Lewis Central High School – RTU Replacement

project no: 25336

meeting location: High School

meeting date: November 5, 2025 at 3:00 p.m.

subject: Pre-Bid Meeting

name	organization	phone	email
Tom Leahy	Rasmussen	712-898-5877	tom.leahy@rasmec.com
Mark Olson	Levis	402-618-2056	molson@levis.com
Dan Schildknecht	Carris	402-619-7055	@schildknecht@carris.com
Todd Wirth	Sudbeck	402-810-2059	SudbeckHomes@gmail.com
Lou Carnazzo	KEFlex	402-516-6422	lou@keflexcontracting.com
Jason Blum	PowerTech	402-659-9637	Jblum@PowerTech.com
Jason Mearns	MSZ	402-339-7277	jason@mechsystemsomaha.com
Kyle Zalowick	Eyman	402-983-0838	KZALOWICK@TILVSEYMAN.com
Sam Teplitzky	Patriot	402-215-7358	S.Teplitzky@patriotcrane rigging.com
Andrew Soronen	XTREME	402-320-9044	Andrew.Soronen@XTREMEHACK.com
Dave Herose	Blackhawk Const.	402-689-7652	Dave@Blackhawkconst.com

REMARKS:

1. ROOF TOP UNIT WITH ENERGY RECOVERY. PROVIDE WITH EXHAUST FAN, SUPPLY FAN, ENTHALPY ENERGY RECOVERY WHEEL, DX COOLING COIL, MODULATING HOT GAS REHEAT COIL, AND MODULATING GAS FIRED HEATING WITH STAINLESS STEEL HEAT EXCHANGER.
2. NOT USED
3. PROVIDE WITH DOUBLE WALL INJECTED FOAM R-13 CASING.
4. PROVIDE WITH SLOPED DRAINAGE FOR ALL ROOFS. PROVIDE WITH DRAIN PIPES TO REMOTE FROM UNIT CURB, AND A DRAIN PIPE OF CUPLED HUB SPANNING THE HEIGHT OF NEW CURB FLASHING AND UP TO ACCESSORIES NOT INCLUDED. CONTRACTOR SHALL MAINTAIN EXISTING ROOF CURB FLASHING WITH INSTALLATION OF NEW CURB ADAPTOR.
~~PROVIDE WITH MANUFACTURED PACKAGED CONTROLLER FOR TEMPERATURE CONTROL. SEE SEQUENCE OF OPERATION AND PROJECT SPECIFICATIONS FOR MINIMUM POINTS TO BE AVAILABLE TO BUILDING MANAGEMENT SYSTEM.~~
5. PROVIDE WITH SINGLE POINT CONNECTION AND FACTORY INSTALLED SUPPORTS.
6. PROVIDE WITH FIELD POWERED GRI CONVENIENCE RECEPTACLE.
7. PROVIDE WITH 2" MERV 8 FILTERS FOR EXHAUST AND OUTSIDE AIRSTREAMS.
8. PROVIDE COIL HAIL GUARDS, HINGE TONGUE ACCESS PANELS AND ASHRAE 62.1 COMPLIANT STAINLESS STEEL DRAIN PAN, SMOKE DETECTORS AND UNIT SHUTDOWN BY ELECTRICAL CONTRACTOR. SEE ELECTRICAL DRAWINGS.
9. PROVIDE WITH CO2 DEMAND CONTROLLED VENTILATION. LOW LIMIT FOR OUTSIDE AND EXHAUST AIRFLOWS SHALL BE 30% OF DESIGN AIRFLOW SHOWN ON SCHEDULE.

GENERAL				FILTERS		PHYSICAL SIZE (A)		SUPPLY FAN		ELECTRICAL				DX COOLING			COMPRESSOR		GAS FIRED HEATING				ENERGY RECOVERY WHEEL				HOT GAS REHEAT																	
PLAN TAG	MANUFACTURER	MODEL	SERVES	CONFIG.	THICKNESS	MIN. EFF.	DIMENSIONS (W x H x L)	WEIGHT (LBS)	AIRFLOW (CFM@)	E.S.P. (in wg)	RPM	FAN BHP / MOTOR HP	VOLTAGE / PHASE	MCA	MCCP	CAPACITY (BTU/H)			TYPE	QTY.	FUEL	GAS LOAD		AIRFLOW (CFM)		SUMMER PERFORMANCE		WINTER PERFORMANCE		LAT (F) DB	CAPACITY (BTU/H)	REMARKS												
																NOM. TONS	TOTAL	SENSIBLE				AMBIENT AIR TEMP (F)	MIN. NET EER	INPUT (BTU/H)	OUTPUT (BTU/H)	LOW (BTU/H)	TURN DOWN	EFF.	DESIGN OUTSIDE AIR (F) DB				DESIGN RETURN AIR (F) DB	DESIGN OUTSIDE AIR (F) DB	DESIGN RETURN AIR (F) DB	RECOVERED CAP. (BTU/H) TOTAL	EFFECT-VESS.	OUTSIDE AIR (F) DB	RETURN AIR (F) DB	RECOVERED CAP. (BTU/H) TOTAL	EFFECT-VESS.			
RTU3-C	Aeon, Inc.	RNA-018-C	GYM D18	(1)	2"	MERV 8 (B)	50" x 50" x 157"	3,750	6,000	1.75	1618	6.88 / 7.5	480 V/3	56.0 A	30.0 A	18	219,800	163,800	95 °F	14.8	DIGITAL SCROLL	2	NATURAL GAS	270,000 / 218,700	15,500 / 15,800	24,300 / 24,300	91 °F	81.0%	3,475	3,500	95.0 / 78.0	80.0 / 67.0	75.0 / 62.0	147 / 100	77%	-10.0	-1	48.0 / 39.0	70.0 / 53.0	299,000	76%	73.0 / 58.0	146,000	(1-10)
RTU4-C	Aeon, Inc.	RNA-018-C	GYM D18	(1)	2"	MERV 8 (B)	50" x 50" x 157"	3,750	6,000	1.75	1618	6.88 / 7.5	480 V/3	56.0 A	30.0 A	18	219,800	163,800	95 °F	14.8	DIGITAL SCROLL	2	NATURAL GAS	270,000 / 218,700	15,500 / 15,800	24,300 / 24,300	91 °F	81.0%	1,475	1,480	95.0 / 78.0	80.0 / 67.0	75.0 / 62.0	58 / 80	77%	-10.0	-1	52.0 / 43.0	70.0 / 53.0	147,000	76%	73.0 / 58.0	62,300	(1-10)
RTU4-C	Aeon, Inc.	RNA-006-A	BOYS LOCKERS	(1)	2"	MERV 8 (B)	44" x 44" x 116"	1,600	1,650	1.25	1541	2.25 / 2.50	480 V/3	18.0 A	25.0 A	6	70,300	47,900	95 °F	12.8	DIGITAL SCROLL	1	NATURAL GAS	90,000 / 72,900	9,000 / 9,000	1,250 / 1,250	80.0	80.0	1,350	1,400	95.0 / 78.0	80.0 / 67.0	75.0 / 62.0	17,500 / 17,500	76%	-20.0	-1	50.0 / 35.0	70.0 / 53.0	102,000	76%	75.0 / 60.0	38,100	(1-4)
RTU4-C	Aeon, Inc.	RNA-006-A	GIRLS LOCKERS	(1)	2"	MERV 8 (B)	44" x 44" x 116"	1,600	1,650	1.25	1541	2.25 / 2.50	480 V/3	18.0 A	25.0 A	6	70,300	47,900	95 °F	12.8	DIGITAL SCROLL	1	NATURAL GAS	90,000 / 72,900	9,000 / 9,000	1,250 / 1,250	80.0	80.0	1,350	1,400	95.0 / 78.0	80.0 / 67.0	75.0 / 62.0	37,200 / 37,200	80.0	-20.0	-4.0	40.0 / 35.0	70.0 / 53.0	102,000	76%	75.0 / 60.0	38,100	(1-4)

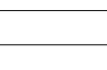
1. SEE SHEET M-10.0 FOR ADDITIONAL INFORMATION REGARDING THE SUPPLYING UNIT SECTIONS REQUIRED.
2. UNIT SHALL INCLUDE FOLLOWING FEATURES: TERMINAL STOP, TEMPERATURE CONTROLS OF FANS, KINKED ACCESS DOORS, CONSTRUCTION SHALL BE INSULATED DOUBLE WALLED, AIR BLENDER, LOW LEAK DAMPERS, SEE MECHANICAL SPECIFICATIONS FOR ADDITIONAL FEATURES' INFORMATION.
3. INSTALL AIR HANDLING UNIT ON CUSTOM CURS ADAPTOR PER SPECIFICATIONS.
4. VERIFY TOTAL STATIC PRESSURE WITH MANUFACTURER'S INTERNAL STATIC PRESSURE REQUIREMENTS.
5. WALL CLOSING DEVICES, SENSORS, ETC PROVIDED BY THE TEMPERATURE CONTROL CONTRACTOR AND FIELD INSTALLED. SEE SPECIFICATIONS FOR TEMPERATURE CONTROL REQUIREMENTS.
6. PROVIDE PLEATED MERV 8 PRE-FILTER MEETING REQUIREMENTS.
7. SEE AHU SUPPLY FAN AND RETURN FAN SCHEDULES FOR MORE INFORMATION.
8. VENTILATION DESIGNED PER ASHRAE 62.1 2010.

GENERAL								AIRFLOW (CFM)				FILTERS		VOLTAGE / PHASE	REMARKS
PLAN TAG	MANUFACTURER	MODEL	SERVES	DIMENSIONS			WEIGHT (lbs.)	DESIGN SUPPLY	MINIMUM OA (B)	FAN & MOTOR QTY SUPPLY	RETURN	MID-LIFE (in-wg) A.P.D. (in-wg)	(FPM) MAX VELOCITY		
				L	W	H									
AHU-1	DAIKIN	OA035GDCC	SEE PLANS	32"	102"	72"	9,000	14,990	3,550	6	1	0.50	1,499	480 V / 3	(1-7)

GENERAL														FAN										MOTOR										REMARKS
AHU PLAN TAG	AHU MANUFACTURER	AHU MODEL	AHU SERVICES	QTY	AIRFLOW (PER FAN)	STATIC PR. (in-wg)	TEMP.	DRIVE	SET RPM	BHP / HP (PER FAN)	RPM	VOLTAGE / PHASE (2)	MCCP (AMPS)	MCA (AMPS)	TYPE	CONTROL DEVICE																		
AHU-1	DAIKIN	GAH035GCC	SEE PLANS	6	2,496 CFM	4.24	3.00	(4)	2957	2.64 / 3.3 hp	3230	480 V / 3	25	24.4	(4)	(3)	-																	

REMARKS															
1. VERIFY TOTAL STATIC PRESSURE WITH MANUFACTURER'S INTERNAL STATIC PRESSURE REQUIREMENTS. 2. INTERNAL WIRING, MOTOR DISCONNECT FOR MOTOR AND SINGLE POINT ELECTRICAL CONNECTION. 3. BAS TO PROVIDE SIGNAL TO AHU CONTROLLER. 4. PREMIUM EFFICIENCY MOTOR WITH VFD.															
GENERAL				FAN					MOTOR				REMARKS		
AHU PLAN TAG	AHU MANUFACTURER	AHU MODEL	AHU SERVES	QTY	AIRFLOW (PER FAN)	STATIC PR. (in.-wg) TOTAL (1) EXT.	SET RPM	BHP / HP (PER FAN)	RPM	VOLTAGE / PHASE / CURRENT	FULL LOAD CURRENT (AMPS)	TYPE		CONTROL DEVICE	
AHU-1	DAIKIN	0AH35GSDCC	SEE PLANS	1	14960	1.64	150	1073	150 / 10.5 hp	1750	480 V / 3	18.60	ODP	(3) (4)	(2)

REMARKS:
1. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS INCLUDING STOPS, FITTINGS AND ALL OTHER SPECIALTIES.
2. PICTURES OF FIXTURES MAY NOT INDICATE ACTUAL FIXTURE SPECIFIED. PICTURES ARE GRAPHICAL IN NATURE. SEE DESCRIPTION FOR ACTUAL FIXTURE AND MODEL

TAG	FIXTURE (1)		DESCRIPTION	CONNECTIONS				REMARKS
	MODEL	IMAGE (2)		CW	HW	V	W	
RH-1	WOODFORD-RH-Y2-MS		ROOF HYDRANT WITH THE FOLLOWING FEATURES: NON-FREEZE, CAST IRON, AUTOMATIC DRAINING, DUAL CHECK BACKFLOW PREVENTER, 3/4" NPT THREADED OR SOLDER JOINT INLET, AND GARDEN HOSE THREADS ON OUTLET. TYPE: SURFACE MOUNT OPERATION: MANUFACTURER'S STANDARD LENGTH: AS REQUIRED FOR INSTALLING VALVE MINIMUM 30" ABOVE ROOF DECK.	1"	-	-	3/4"	

REMARKS:
1. COIL SECTION CONSISTS OF TWO STACKED COILS WITH INDIVIDUAL CONNECTIONS (1-1/2" SUPPLY AND RETURN EACH).
2. CAPACITY SHOWN FOR COMBINED CAPACITY OF COILS.

GENERAL				PARAMETERS								PERFORMANCE								
PLAN TAG	MANUFACTURER	MODEL	SERVES	(H) FREE AREA	(FPM) MAX VELOCITY	S.P. DROP (in.-wg)	F.D. FLUID (F)	COIL QTY	ROWS	MAX FPI	CONN. SIZE	WATERSIDE				AIRSIDE		CAPACITY (BTU/H) (2)	REMARKS	
												FLOW (GPM)	FLUID	ENT / LWT (F)	ΔT (F)	AIRFLOW (CFM)	EAT / LAT (°F)			
HC1	DAIKIN	5W50802B	AHL-1	32.25	112	0.14	0.8	2	2	8	2"	31		WATER	180 F / 160 F	20 F	3,600	-20 F / 65 F	337,000	(1)

REMARKS:

1. COIL SECTION CONSISTS OF TWO STACKED COILS WITH INDIVIDUAL CONNECTIONS (2-1/2" SUPPLY AND RETURN EACH).

2. CAPACITY SHOWN FOR COMBINED CAPACITY OF COILS.

GENERAL				PARAMETERS								PERFORMANCE								CAPACITY (BTU/H) (2)		REMARKS	
PLAN TAG	MANUFACTURER	MODEL	SERVES	(1) FREE AREA	(FPM) MAX VELOCITY	S.P. DROP (10-w)	F.D. (10-w)	COIL QTY	ROWS	MAX FPI	CONN. SIZE	FLOW (GPM)	FLUID	ENT/LWT (°F)	ΔT (°F)	AIRFLOW (CFM)	AIRSIDE (DB /WS)		EAT (°F)	LAT (°F)	TOTAL		SENSIBLE
CC1	DAIKIN	5WM1100B	AHL-1	33.38	449	0.85	8.7	2	8	11	3"	106	30% PRO. GLYCOL	45 °F / 56 °F	11 °F	15,000	79 °F / 65 °F	53 °F / 52 °F			568,000	437,000	(1)

REMARKS:

1. CLOSE COUPLED INLINE PUMP
2. CONSTANT VOLUME PUMP TO BE ACTIVATED BY BAS. SEE SEQUENCE OF OPERATIONS

GENERAL						PUMP - FLOW					PUMP - SIZE				MOTOR			ELECTRICAL	REMARKS		
PLAN TAG	MANUFACTURER	MODEL	SERVES	TYPE	WEIGHT (lbs.)	FLUID		GPM	HEAD (Feet H ₂ O)		MIN. EFF.	CONNECTIONS		IMPELLER DIAMETER	RPM	BHP / HP	RPM	TYPE		CONTROL DEVICE	VOLTAGE / PHASE
						TYPE	TEMP		TOTAL	SHUTOFF		SUCT.	DISCH.								
P-HCI	TACO	191S	AHU-1 HHW COIL	(1)	60	WATER	180 °F	31	20 FT	22 FT	50%	1-1/2"	1-1/2"	4 3/4"	1750	0.30 / 0.5	1760	O.D.P.	(1)	115 V / 1	(2)

REMARKS:

1. VERIFY ALL FRAMES, FINISHES, AND ACCESSORIES WITH CEILING CONSTRUCTION PRIOR TO FURNISHING MATERIAL.
 - a. VERIFY QUANTITIES WITH PLANS.
 - b. SEE PLANS FOR NECK SIZES.
2. NOISE CRITERIA (NC) SHALL BE LESS THAN 25 ON DIFFUSERS, REGISTERS AND GRILLES LOCATED IN OCCUPIED SPACES

PLAN TAG	MANUFACTURER	MODEL	FUNCTION	DESCRIPTION	MOUNTING (1)	DEFLECTION	AIR P.D. (IN WG)	MATERIAL	FINISH	NECK SIZE	FACE SIZE	REMARKS
D-1	PRICE	SPD	SUPPLY	PLAQUE DIFFUSER	ACT/GYP CEILING	360°	0.10"	STEEL	WHITE	SEE PLANS	24"x24"	(1) (2)
G-1	PRICE	PDOR	RETURN /XFR	RECT NECK PERFORATED FACE	ACT CEILING	PERFORATED	0.10"	STEEL	WHITE	SEE PLANS	24"x24"	(1) (2)

SERVICE	DUCTWORK	APPLICATION	INSULATION TYPE	INSULATION THICKNESS	MINIMUM R-VALUE	VAPOR RETARDER	REMARKS
SUPPLY AIR	RECTANGULAR	EXPOSED - EXTERIOR	(3)	3"	R-12	YES	(3)

REMARKS:

1. INSULATION TYPE AND THICKNESS SHALL MEET ALL REQUIREMENTS OF 2018 IECC / ASHRAE 90.1-2016.
2. SEE SPECIFICATION SECTION 23 07 00 FOR ADDITIONAL INFORMATION.
3. 1-1/2" DUCT LINER AND 1-1/2" MINERAL FIBER BOARD. PROVIDE FIELD APPLIED WEATHERPROOF ALUMINUM JACKET

SERVICE	PIPING SIZES	INSULATION TYPE	INSULATION THICKNESS	VAPOR RETARDER	REMARKS
CHILLED WATER (CWS & CWR)	1/2" TO 1-1/2"	MINERAL FIBER	1-1/2"	YES	-
CHILLED WATER (CWS & CWR)	2" AND LARGER	MINERAL FIBER	2"	YES	-
HEATING HOT WATER (HWS & HWR)	1/2" TO 1-1/4"	MINERAL FIBER	1-1/2"	NO	-
HEATING HOT WATER (HWS & HWR)	1-1/2" AND LARGER	MINERAL FIBER	2"	NO	-
ROOF HYDRANT DRAIN (COPPER)	ALL	NONE	-	-	-
DOMESTIC COLD WATER (CW)	ALL	MINERAL FIBER	12"	YES	-

REMARKS:

1. SEE PIPING INSULATION DETAIL.
2. INSULATION TYPE AND THICKNESS SHALL MEET ALL REQUIREMENTS OF 2018 IECC / ASHRAE 90.1-2016
3. SEE SPECIFICATION SECTIONS 22 07 20 & 23 07 20 FOR ADDITIONAL INFORMATION.

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note:

- do not scale drawings. verify all dimensions and clearances from architectural, structural, shop and other appropriate drawings or at site. lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. do not fabricate prior to verification of

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3504 Harry Langdon Blvd, Council Bluffs, IA 51503

MECHANICAL SCHEDULES

agency approval

10/30/2025

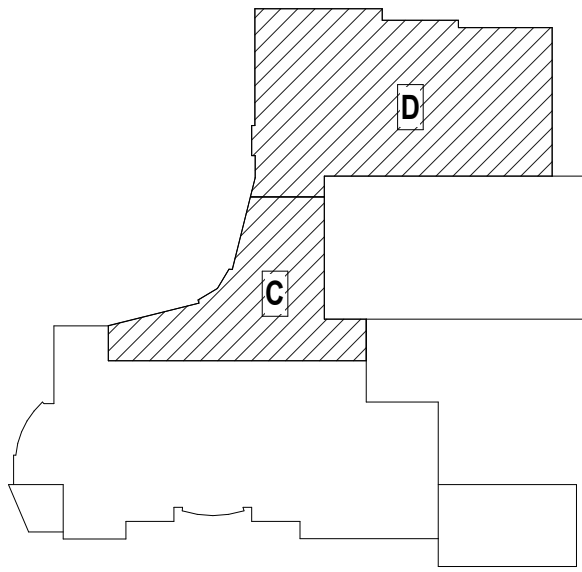
date:	10/30/2025
project number:	25336
designed by:	bds
drawn by:	bds
sheet number:	

M4.00



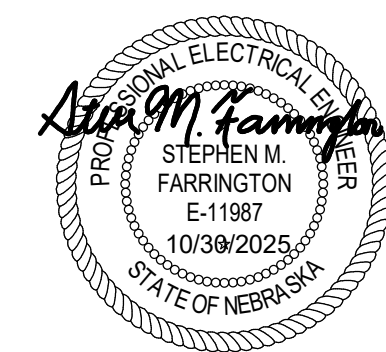
KEYNOTES
E002 REMOVE LIGHTING FIXTURE AND DISCARD. LEAVE ELECTRICAL WHIP IN PLACE. NEW FIXTURES WILL BE INSTALLED AS PART OF A DIFFERENT PROJECT.
E003 REMOVE DEVICE AND SET ASIDE FOR RE-USE. LEAVE FIRE ALARM WIRE OR SPEAKER CABLE IN PLACE. REINSTALL DEVICES AS PART OF THIS PROJECT. AFTER NEW CEILINGS ARE INSTALLED.

KEYPLAN - AREA C/D
NTS



FLOOR PLAN - ELECTRICAL DEMOLITION
LEWIS CENTRAL CSD HIGH SCHOOL
ROOFTOP UNIT REPLACEMENT
3504 Harry Langdon Blvd, Council Bluffs, IA 51503

agency approval



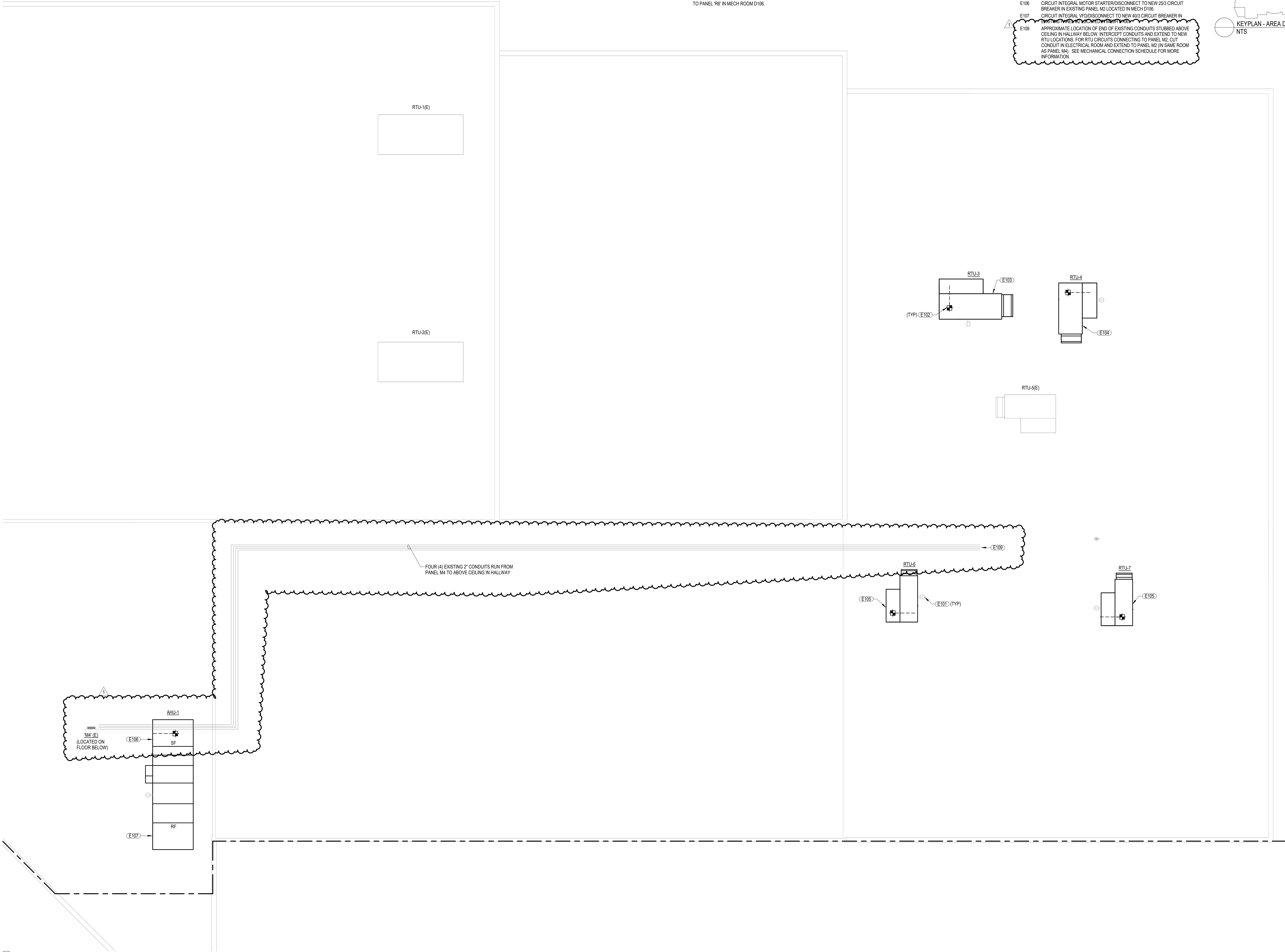
date: 10/30/2025
project number: 25336
designed by: SMF
drawn by: WJS
sheet number:

ED1.00

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MARK	ADDITION	REVISION	DATE
1.			11/10/2025



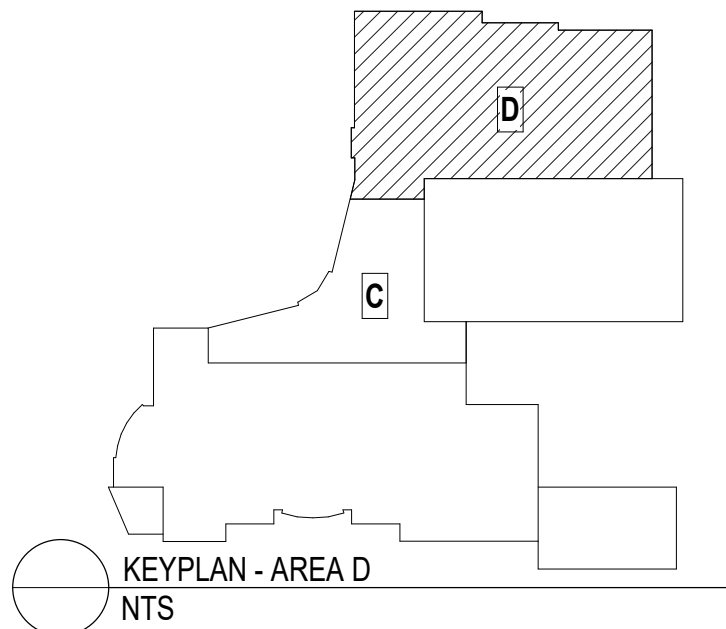
MECHANICAL EQUIPMENT CONNECTION SCHEDULE					
PLAN TAG	VOLTAGE	PHASE	DISCONNECT	WIRE AND CONDUIT	REMARKS
AHU-1 RETURN FAN	480 V	3	INTERAL VFD	3#8,#10G-1"1C	
AHU-1 SUPPLY FAN	480 V	3	INTERAL MS	3#10,#10G-3/4"C	
P-HC1	115 V	1	TOGGLE	2#12,#12G-1/2"C	NOTE 1
RTU-3	480 V	3	INTEGRAL	3#3,#8G-1-1/4"C	
RTU-4	480 V	3	INTEGRAL	3#8,#10G-1"C	
RTU-6	480 V	3	INTEGRAL	3#10,#10G-3/4"C	
RTU-7	480 V	3	INTEGRAL	3#10,#10G-3/4"C	

NOTES:

1. PUMP P-HC1 IS LOCATED ON THE FIRST FLOOR JUST NORTH OF MECH ROOM D108. PROVIDE NEW 2011 CIRCUIT BREAKER AND CIRCUIT TO PANEL 'R6' IN MECH ROOM D108.

KEYNOTES

- E101 CIRCUIT TO EXISTING ROOFTOP RTU RECEPTACLE CIRCUIT.
- E102 DUCT SMOKE DETECTOR AND RELAY FOR HVAC UNIT SUPPLY FAN SHUTDOWN SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR FOR INSTALLATION BY THE MECHANICAL CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL ALSO PROVIDE A REMOTE KEYED TEST STATION WITH VISUAL STATUS ANNUNCIATOR WHEN DUCT SMOKE DETECTOR IS INSTALLED IN A CONCEALED LOCATION GREATER THAN 10'-0" ABOVE FINISHED FLOOR OR WHEN DUCT SMOKE DETECTORS STATUS INDICATORS ARE NOT READILY VISIBLE. ALL FINAL WIRING SHALL BE BY THE ELECTRICAL CONTRACTOR.
- E103 CIRCUIT INTEGRAL DISCONNECT TO NEW 803 CIRCUIT BREAKER IN EXISTING PANEL M4 LOCATED IN MECH D108.
- E104 CIRCUIT INTEGRAL DISCONNECT TO NEW 353 CIRCUIT BREAKER IN EXISTING PANEL M2 LOCATED IN MECH D108.
- E105 CIRCUIT INTEGRAL DISCONNECT TO NEW 253 CIRCUIT BREAKER IN EXISTING PANEL M2 LOCATED IN MECH D108.
- E106 CIRCUIT INTEGRAL MOTOR STARTER/DISCONNECT TO NEW 253 CIRCUIT BREAKER IN EXISTING PANEL M2 LOCATED IN MECH D108.
- E107 CIRCUIT INTEGRAL VFD/DISCONNECT TO NEW 403 CIRCUIT BREAKER IN EXISTING PANEL M2 LOCATED IN MECH D108.
- E109 APPROXIMATE LOCATION OF END OF EXISTING CONDUITS STUBBED ABOVE CEILING IN HALLWAY BELOW. INTERCEPT CONDUITS AND EXTEND TO NEW RTU LOCATIONS. FOR RTU CIRCUITS CONNECTING TO PANEL M2, CUT CONDUIT IN ELECTRICAL ROOM AND EXTEND TO PANEL M2 (IN SAME ROOM AS PANEL M4). SEE MECHANICAL CONNECTION SCHEDULE FOR MORE INFORMATION.



ROOF PLAN - ELECTRICAL

LEWIS CENTRAL CSD HIGH SCHOOL
ROOFTOP UNIT REPLACEMENT
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agency approval



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