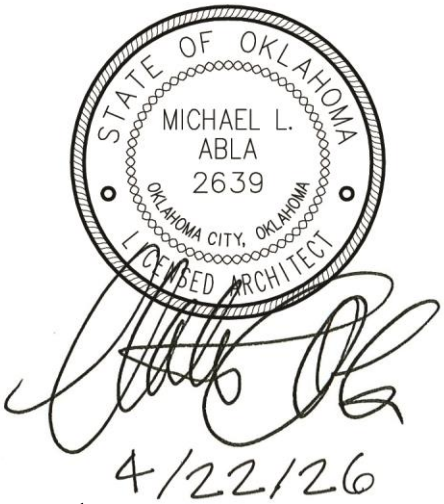
MOORE PUBLIC SCHOOLS -
OLD SCHOOL REPLACEMENT
Moore Public Schools - Moore, Oklahoma
AGP - Moore, Oklahoma

ADDENDUM NO. 5
April 24, 2026



This addendum applicable to work designated herein, shall be understood to be an Addendum, and as such shall be included in the Contract Agreement.

Receipt of this Addendum shall be acknowledged by the Construction Management Firm notifying this office in writing, and by any applicable subcontractor to the CM.

This addendum consists of two (2) pages with attachments of seven (7) 8.5″x11″ pages and one (1) 24″x36″ sheets.

A. Drawings:

General / Structural / Civil

No changes.

Architectural

1. Sheet A403, Detail #3, Section @ Wainscot: provide 1x2 wood return trim in lieu of 2x2 as indicated. Ease edges, rotate piece w/ 2″ (1.5″ actual) dimension oriented horizontally, etc. Field verify tops of panels and 1x4 wood trim are totally covered by horizontal trim piece.

Kitchen Equipment

No changes.

Mechanical, Electrical, and Plumbing

Refer to attachments.

B. Specifications:

Architectural

1. Section 08400-2.01A, Entrances and Storefronts: revise style width of aluminum doors to “Wide” in lieu of medium as noted.

2. Section 08400-2.05A, Entrances and Storefronts: revise color of aluminum doors and frames to “Black” as noted in 08400-2.01B in lieu of anodized aluminum as noted.

Civil

No changes.

Mechanical, Electrical, and Plumbing

Refer to attachments.

END OF ADDENDUM NO. 5

ADDENDUM 05

Issue Date: April 24, 2026

Project Information

Client: Abla Griffin Partnership
Project Name: Old School Replacement
Project Location: Moore, OK
Owner: Moore Public Schools
Engineer: Salas O'Brien, Inc

Project No. 2550-01554-00

To Prospective Bidders

- This Addendum forms a part of the Contract Documents and modifies the Bidding Documents dated February 6, 2026, (and previous Addenda), with amendments and additions noted below.
- This Addendum consists of (2) pages and (2) attachments.
    - Index of Attachments
        - M601
        - 23 82 17 – Ducted Mini Splits

- Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may disqualify Bidder.

CHANGES TO THE DRAWINGS

Revisions have been made to the following drawings and are issued in the form of full-size plans. Edits are indicated by a revision delta and a cloud surrounding the affected portion of the drawing.

- M601 MECHANICAL SCHEDULES
    - Refer to clouds and deltas for changes on plans.

2900 S. Telephone Rd., Suite 120
Moore, Oklahoma 73160

405.364.9926
salasobrien.com

CHANGES TO THE SPECIFICATIONS

- 23 82 17 – Ducted Mini Splits.
    - No manufacturer substitutions allowed.

END OF ADDENDUM 05

UNIT HEATER - ELECTRIC

MARK	MINIMUM CAPACITY (BTUH)	KW	NUMBER OF STAGES	CURRENT CHAR. V	P	F	CFM	MANUFACTURER	MODEL	REMARKS
EUH-1	10,236	3	2	208	1	60	100	BERKO	FRA-4024F	1-3
EUH-2	10,236	3	2	208	1	60	100	BERKO	FRA-4024F	1-3
EUH-3	10,236	3	2	208	1	60	100	BERKO	FRA-4024F	1-3
EUH-4	10,236	3	2	208	1	60	100	BERKO	FRA-4024F	1-3
EUH-5	10,236	3	2	208	1	60	100	BERKO	FRA-4024F	1-3
EUH-6	10,236	3	2	208	1	60	100	BERKO	FRA-4024F	1-3
EUH-7	10,236	3	2	208	1	60	100	BERKO	FRA-4024F	1-3

REMARKS:
1. PROVIDE WITH INTERNAL THERMOSTAT.
2. RECESSED MOUNTED UNITS. PROVIDE WITH RECESSED MOUNTING KIT.
3. PROVIDE WITH BUILT-IN DISCONNECT.

RELIEF VENT & O.A. INTAKE

MARK	WIDTH/LENGTH (IN)	MAX. S.P. (IN.WC.)	MIN THROAT AREA	MODEL	REMARKS
OAI-1	12/12	0.05 in-wg	1.0 SQFT	COOK GI	1-3
OAI-2	12/12	0.05 in-wg	1.0 SQFT	COOK GI	1-3
OAI-3	12/12	0.05 in-wg	1.0 SQFT	COOK GI	1-3
OAI-4	12/12	0.05 in-wg	1.0 SQFT	COOK GI	1-3
RV-1	12/12	0.05 in-wg	1.0 SQFT	COOK GR	1-3
RV-2	12/12	0.05 in-wg	1.0 SQFT	COOK GR	1-3
RV-3	12/12	0.05 in-wg	1.0 SQFT	COOK GR	1-3
RV-4	12/12	0.05 in-wg	1.0 SQFT	COOK GR	1-3
RV-5	12/12	0.05 in-wg	1.0 SQFT	COOK GR	1-3 2

REMARKS:
1. PROVIDE WITH ROOF CURB. CURB INSTALLATION BY GC.
2. PROVIDE WITH ALUMINUM BIRD SCREEN.
3. PROVIDE WITH LOW VOLTAGE MOTORIZED DAMPER.

LOUVER SCHEDULE

TAG	SIZE (HxW) (IN)	CFM	FLANGE	CONSTRUCTION	MANUFACTURER	MODEL NO.	COMMENTS	REMARKS
L-1	24/12	1220	YES	ALUMINUM	GREENHECK	ESD-403	DRAINABLE	1-2
L-2	24/10	1055	YES	ALUMINUM	GREENHECK	ESD-403	DRAINABLE	1-2
L-3	12/12	450	YES	ALUMINUM	GREENHECK	ESD-403	DRAINABLE	1-2
L-4	12/12	450	YES	ALUMINUM	GREENHECK	ESD-403	DRAINABLE	1-2
L-5	3 40/48	0	YES	ALUMINUM	GREENHECK	AFL-501	DRAINABLE LOUVER (GREENHECK ESD-403)	1-2
L-6	22/22	2020	YES	ALUMINUM	GREENHECK	AFL-501	DRAINABLE LOUVER (GREENHECK ESD-403)	1-2
L-7	40/48	0	YES	ALUMINUM	GREENHECK	AFL-501	DRAINABLE LOUVER (GREENHECK ESD-403)	1-2
L-8	14/10	150	YES	ALUMINUM	GREENHECK	ESD-403	DRAINABLE	1-2

REMARKS:
1. COORDINATE FINISH COLOR WITH ARCHITECT. 1
2. PROVIDE WITH BIRD SCREEN.

GRILLE

MARK	SERVICE	TYPE	DAMPER	CONSTRUCTION MATERIAL	FINISH COLOR	MANUFACTURER	MODEL NUMBER	DESCRIPTION
CSD1	SUPPLY AIR	DIFFUSER	-	STEEL	WHITE	TITUS	TMS	SQUARE CEILING DIFFUSER
CSD2	SUPPLY AIR	DIFFUSER	-	STEEL	WHITE	TITUS	TMS	SQUARE CEILING DIFFUSER
EG1	EXHAUST AIR	GRILLE	-	STEEL	WHITE	TITUS	50F	EGGCRATE GRILLE WITH CEILING FRAME
EG2	EXHAUST AIR	GRILLE	-	STEEL	WHITE	TITUS	50F	EGGCRATE GRILLE WITH CEILING FRAME
RG1	RETURN AIR	GRILLE	-	STEEL	WHITE	TITUS	50F	RETURN GRILLE, EGGCRATE, 20"x20" NECK
RG2	RETURN AIR	GRILLE	-	STEEL	WHITE	TITUS	50F	RETURN GRILLE, EGGCRATE, 12"x12" NECK
RG3	RETURN AIR	GRILLE	-	STEEL	WHITE	TITUS	23R	SINGLE DEFLECTION SIDEWALL GRILLE WITH VERTICAL FRONT BARS. SURFACE MOUNTED (1)
RG4	RETURN AIR	GRILLE	-	ALUMINUM	WHITE	TITUS	350ZFS	SINGLE DEFLECTION 1/2" BLADE SPACING SIDEWALL GRILLE WITH VERTICAL FRONT BARS. SURFACE MOUNTED.
SG1	SUPPLY AIR	GRILLE	-	STEEL	WHITE	TITUS	300RL	DOUBLE DEFLECTION SIDEWALL GRILLE WITH HORIZONTAL FRONT BARS. SURFACE MOUNTED (1)

MINI-SPLIT - OUTDOOR UNIT

MARK	MIN. TOTAL CAPACITY (BTUH)	OUTDOOR AIR TEMP (°F)	4 MINIMUM EER2/ SEER2	MIN HEAT CAPACITY (BTUH)	OUTDOOR AIR (WINTER)	HSPF	CURRENT CHARAC. V	PH	F	RELATED UNIT MARK	BASIS OF DESIGN MANUFACTURER	MODEL	4 MCA	MOCP	REMARKS
ACC-1	17,000	110	11.7 / 17	17000.0	-5	11	208	1	60	FCU-1	LENNOX	MMLD018S6S-1P	23	25	1-3
ACC-2	21,000	110	12 / 18	19500.0	-5	12.5	208	1	60	FCU-2	LENNOX	MMLD024S6S-1P	27	30	1-3
ACC-3	21,000	110	12 / 18	19500.0	-5	12.5	208	1	60	FCU-3	LENNOX	MMLD024S6S-1P	27	30	1-3
ACC-4	17,000	110	11.7 / 17	17000.0	-5	11	208	1	60	FCU-4	LENNOX	MMLD018S6S-1P	23	25	1-3
ACC-5	21,000	110	12 / 18	19500.0	-5	12.5	208	1	60	FCU-5	LENNOX	MMLD024S6S-1P	27	30	1-3
ACC-6	21,000	110	12 / 18	19500.0	-5	12.5	208	1	60	FCU-6	LENNOX	MMLD024S6S-1P	27	30	1-3
ACC-7	17,000	110	11.7 / 17	17000.0	-5	11	208	1	60	FCU-7	LENNOX	MMLD018S6S-1P	23	25	1-3

GENERAL NOTES:
1. MINIMUM RECOMMENDED CLEARANCE AROUND ROOFTOP UNIT IS 12 INCHES ON NON-SERVICE SIDES AND 30 INCHES ON SERVICE SIDES. MAINTAIN MINIMUM CLEARANCE FOR CONDENSER AIR FLOW AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. PROVIDE WITH HAIL GUARD.
2. PROVIDE WITH MANUFACTURER'S DISCONNECT. 4
3. UNIT SHALL HAVE LOW AMBIENT COOLING CAPABILITIES DOWN TO 30°F.

AIR BALANCE IN KITCHEN

EXHAUST		OUTDOOR AIR	
SOURCE	CFM	SOURCE	CFM
KEF-1	-2,300	DOAS-1	2,000
DOAS-1 RETURN AIR	-600	TRANSFER AIR FROM DINING	900
TOTAL:	-2,900		2,900

AIR BALANCE IN DINING

EXHAUST		OUTDOOR AIR	
SOURCE	CFM	SOURCE	CFM
BATHROOM EX	-300	F-10 SUPPLY AIR	7,900
F-10 RETURN AIR	-5,880	-	-
TRANSFER TO KITCHEN	-900	-	-
DISH EXHAUST	-200	-	-
TOTAL:	-7,280		7,900

MINI-SPLIT - INDOOR UNIT

MARK	FAN SUPPLY AIR CFM	EXT.STATIC PRESSURE (IN. W.C.)	HORSE POWER	TOTAL COOLING BTU	NUMBER OF STAGES	MIN TOTAL HEAT CAPACITY	4 WEIGHT	MODEL NUMBER	MANUFACTURER	REMARKS
FCU-1	500	0.25	0.2	17,000.0 Btu/h	3	17,000.0 Btu/h	50.00 lbf	MMDD018S6-1P	LENNOX	1-5
FCU-2	700	0.25	0.2	21,000.0 Btu/h	3	19,500.0 Btu/h	74.00 lbf	MDDD024S6-1P	LENNOX	1-5
FCU-3	700	0.25	0.2	21,000.0 Btu/h	3	19,500.0 Btu/h	74.00 lbf	MDDD024S6-1P	LENNOX	1-5
FCU-4	500	0.25	0.2	17,000.0 Btu/h	3	17,000.0 Btu/h	50.00 lbf	MMDD018S6-1P	LENNOX	1-5
FCU-5	700	0.25	0.2	21,000.0 Btu/h	3	19,500.0 Btu/h	74.00 lbf	MDDD024S6-1P	LENNOX	1-5
FCU-6	700	0.25	0.2	21,000.0 Btu/h	3	19,500.0 Btu/h	74.00 lbf	MDDD024S6-1P	LENNOX	1-5
FCU-7	500	0.25	0.2	17,000.0 Btu/h	3	17,000.0 Btu/h	50.00 lbf	MMDD018S6-1P	LENNOX	1-5

GENERAL NOTES: 2
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS, AND DUCT MOUNTED HOT WATER COILS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. UNIT TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. CONTROLLED BY PROGRAMMABLE WIRED THERMOSTAT.
3. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS.
4. INDOOR UNIT IS POWERED FROM OUTDOOR UNIT.
5. PROVIDE CLEARVUE MINI CONDENSATE PUMP. COORDINATE ELECTRICAL REQUIREMENTS WITH EC. 2

DX FAN/COIL UNIT - GAS

MARK	FAN SUPPLY AIR CFM	OUTSIDE AIR CFM	EXT.STATIC PRESSURE (IN. W.C.)	HORSEPOWER	CURRENT CHAR. V	P	F	AIR TEMPERATURE (°F) ENTERING DRY BULB	ENTERING WET BULB	COOLING MIN. TOTAL CAPACITY (BTUH)	MIN. SENS. CAPACITY (BTUH)	MINIMUM SEER2	NUMBER OF STAGES	HEATING ENTERING AIR TEMP.(°F)	INPUT (BTUH)	OUTPUT (BTUH)	AFUE (%)	NUMBER OF STAGES	BASIS OF DESIGN MANUFACTURER	FURNACE MODEL	EVAPORATOR COIL MODEL	MCA	MOCP	REMARKS
F-01	585	100	0.50	0.5	120	1	60	80.0	67.0	19000	0	16	2	60	40000	38000	96	2	YORK	TM9V040A10MP12C	CTF24B5ABS1	10	15	1-5,8,9
F-02	1,800	370	0.50	0.75	120	1	60	80.0	67.0	57000	40000	16	2	60	100000	96000	96	2	YORK	TM9V100C20MP12C	CTF60C5CHS1	15	20	1-6,8,9
F-03	1,800	380	0.50	0.75	120	1	60	80.0	67.0	57000	40000	16	2	60	100000	96000	96	2	YORK	TM9V100C20MP12C	CTF60C5CHS1	15	20	1-6,8,9
F-04	1,800	370	0.50	0.75	120	1	60	80.0	67.0	57000	40000	16	2	60	100000	96000	96	2	YORK	TM9V100C20MP12C	CTF60C5CHS1	15	20	1-6,8,9
F-05	805	140	0.50	0.5	120	1	60	80.0	67.0	25000	18000	16	2	60	40000	38000	96	2	YORK	TM9V040A10MP12C	CTF24B5ABS1	10	15	1-5,8,9
F-06	1,400	285	0.50	0.75	120	1	60	80.0	67.0	47000	31000	16	2	60	80000	77000	96	2	YORK	TM9V080C16MP12C	CTF48C5CHS1	12	15	1-5,8,9
F-07	650	70	0.50	0.5	120	1	60	80.0	67.0	19000	10000	16	2	60	40000	38000	96	2	YORK	TM9V040A10MP12C	CTF24B5ABS1	10	15	1-5,8,9
F-08	1,400	275	0.50	0.75	120	1	60	80.0	67.0	47000	31000	16	2	60	80000	77000	96	2	YORK	TM9V080C16MP12C	CTF48C5CHS1	12	15	1-5,8,9
F-09	1,400	285	0.50	0.75	120	1	60	80.0	67.0	47000	31000	16	2	60	80000	77000	96	2	YORK	TM9V080C16MP12C	CTF48C5CHS1	12	15	1-5,8,9
F-10	7,900	2,020	1.00	7.50	480	3	60	82.5	66.0	285000	223000	13.6	1	0	0	0	0	0	YORK	-	GC300C00N6AAA1	14	20	1-9
F-13	1,600	330	0.50	0.75	120	1	60	80.0	67.0	47000	31000	16	2	60	80000	77000	96	2	YORK	TM9V080C16MP12C	CTF48C5CGS1	12	15	1-5,8,9
F-14	1,600	330	0.50	0.75	120	1	60	80.0	67.0	47000	31000	16	2	60	80000	77000	96	2	YORK	TM9V080C16MP12C	CTF48C5CGS1	12	15	1-5,8,9
F-15	1,600	330	0.50	0.75	120	1	60	80.0	67.0	47000	31000	16	2	60	80000	77000	96	2	YORK	TM9V080C16MP12C	CTF48C5CGS1	12	15	1-5,8,9
F-16	1,600	330	0.50	0.75	120	1	60	80.0	67.0	47000	31000	16	2	60	80000	77000	96	2	YORK	TM9V080C16MP12C	CTF48C5CGS1	12	15	1-5,8,9
F-17	975	150	0.50	0.5	120	1	60	80.0	67.0	35000	24000	16	2	60	60000	58000	96	2	YORK	TM9V060B12MP12C	CTF36B5ADS1	10	15	1-5,8,9
F-18	1,600	330	0.50	0.75	120	1	60	80.0	67.0	47000	31000	16	2	60	80000	77000	96	2	YORK	TM9V080C16MP12C	CTF48C5CGS1	12	15	1-5,8,9
F-19	1,000	220	0.50	0.5	120	1	60	80.0	67.0	25000	18000	16	2	60	60000	58000	96	2	YORK	TM9V060B12MP12C	CTF36B5ADS1	10	15	1-5,8,9
F-20	1,600	330	0.50	0.75	120	1	60	80.0	67.0	47000	31000	16	2	60	80000	77000	96	2	YORK	TM9V080C16MP12C	CTF48C5CGS1	12	15	1-5,8,9
F-21	700	110	0.50	0.5	120	1	60	80.0	67.0	25000	18000	16	2	60	40000	38000	96	2	YORK	TM9V040A10MP12C	CTF24B5ABS1	10	15	1-5,8,9
F-22	1,600	400	0.50	0.75	120	1	60	80.0	67.0	47000	31000	16	2	60	100000	96000	96	2	YORK	TM9V100C20MP12C	CTF60C5CHS1	15	20	1-6,8,9
F-23	1,850	400	0.50	0.75	120	1	60	80.0	67.0	57000	40000	16	2	60	100000	96000	96	2	YORK	TM9V100C20MP12C	CTF60C5CHS1	15	20	1-6,8,9
F-24	1,850	400	0.50	0.75	120	1	60	80.0	67.0	57000	40000	16	2	60	100000	96000	96	2	YORK	TM9V100C20MP12C	CTF60C5CHS1	15	20	1-6,8,9

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS, AND DUCT MOUNTED HOT WATER COILS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. UNIT TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. CONTROLLED BY PROGRAMMABLE WIRED THERMOSTAT.
3. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS.
4. PROVIDE CONCENTRIC VENT. INSTALL PER MANUFACTURER INSTRUCTIONS. MAINTAIN MINIMUM CLEARANCES: 36" BETWEEN VENTS, 10-0" FROM ANY FRESH AIR INTAKES.
5. PROVIDE CO2 SENSOR, INSTALLATION BY CONTROLS CONTRACTOR. INTERLOCK CO2 SENSOR WITH MOTORIZED DAMPER IN OUTSIDE AIR DUCT.
6. DUCT SMOKE DETECTOR AND REMOTE TEST STATION PROVIDED BY AND INSTALLED BY E.C. REMOTE TEST STATION TO BE LOCATED IN OCCUPIED SPACE AND CONNECTION TO FIRE ALARM SYSTEM BY E.C. COORDINATE WITH EC.
7. UNIT IS COOLING ONLY. HEAT TO BE SUPPLIED THROUGH SEPERATE DUCT HEATER.
8. PROVIDE VERTICAL UNIT.
9. DISCONNECT PROVIDED BY EC.

FAN SCHEDULE

TAG	LOCATION	CFM	EXT. STATIC PRESSURE (IN.W.C.)	MAX RPM	HORSE POWER	CURRENT CHAR V	P	F	LOCALLY SWITCHED	INTERLOCK WITH	FAN TYPE	DRIVE TYPE	MANUFACTURER	MODEL NUMBER	REMARKS
EF-1	144 TOILET	450	0.30	1400	0.17	120	1	60	-	LIGHTS	INLINE	DIRECT	COOK	100 SQN-D	1-2
EF-2	141 T	75	0.25	810	0.04	120	1	60	-	LIGHTS	CABINET	DIRECT	COOK	GC-146	1-2
EF-3	104 T	75	0.40	1075	0.04	120	1	60	-	LIGHTS	CABINET	DIRECT	COOK	8GC-146	1-2
EF-4	126 T	75	0.25	810	0.04	120	1	60	-	LIGHTS	CABINET	DIRECT	COOK	GC-146	1-2
EF-5	125 T	75	0.25	810	0.04	120	1	60	-	LIGHTS	CABINET	DIRECT	COOK	GC-146	1-2
EF-6	117 T	75	0.25	810	0.04	120	1	60	-	LIGHTS	CABINET	DIRECT	COOK	GC-146	1-2
EF-7	116 T	75	0.25	810	0.04	120	1	60	-	LIGHTS	CABINET	DIRECT	COOK	GC-146	1-2
EF-8	143 CUST	75	0.40	1075	0.04	120	1	60	-	LIGHTS	CABINET	DIRECT	COOK	GC-146	1-2
EF-9	210 T	75	0.25	810	0.04	120	1	60	-	LIGHTS	CABINET	DIRECT	COOK	GC-146	1-2
EF-10	203 TOILET	450	0.30	1400	0.17	120	1	60	-	LIGHTS	INLINE	DIRECT	COOK	100 SQN-D	1-2
EF-11	226 T	75	0.25	810	0.04	120	1	60	-	LIGHTS	CABINET	DIRECT	COOK	GC-146	1-2
EF-12	115 DISH	200	0.30	1263	0.13	120	1	60	YES	-	INLINE	DIRECT	COOK	090 SQN-D	1 1
EF-13	209 BREAKROOM	200	0.25	1100	0.02	120	1	60	YES	-	INLINE	DIRECT	COOK	90SQN17DH	1-2
EF-14	224 IT	200	0.25	1100	0.02	120	1	60	-	TSTAT	INLINE	DIRECT	COOK	90SQN17DH	1-2 2

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS, AND DUCT MOUNTED HOT WATER COILS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MINIMUM RECOMMENDED CLEARANCE AROUND UNIT IS 12 INCHES ON NON-SERVICE SIDES AND 30 INCHES ON SERVICE SIDES. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. PROVIDE WITH MANUFACTURER DISCONNECT AND ELECTRONIC SPEED CONTROL MOUNTED ABOVE ACCESSIBLE CEILING.
2. PROVIDE WITH LOW VOLTAGE MOTORIZED DAMPER.
3. FAN AND MOTORIZED DAMPER ARE PART OF EMERGENCY POWER SYSTEM. COORDINATE ALL CIRCUITS WITH EC.
4. ALL WIRING TO FAN AND DAMPER SHALL BE BY EC.
5. PROVIDE 120V DAMPER.

AIR COOLED CONDENSING UNIT

MARK	TONNAGE	TOTAL COOLING BTU	OUTDOOR AIR TEMP (°F)	MINIMUM EER/ SEER	CURRENT CHAR. V	P	F	RELATED UNIT MARK	BASIS OF DESIGN MANUFACTURER	MODEL	MCA	MOCP	REMARKS
CU-01	2 Tons	25,000.0 Btu/h	95	11/16	208	1	60	F-01	YORK	YC624E2S11	14	20	1-3
CU-02	5 Tons	57,000.0 Btu/h	95	11.5/15	208	1	60	F-02	YORK	YC660E2S11	32	50	1-3
CU-03	5 Tons	57,000.0 Btu/h	95	11.5/15	208	1	60	F-03	YORK	YC660E2S11	32	50	1-3
CU-04	5 Tons	57,000.0 Btu/h	95	11.5/15	208	1	60	F-04	YORK	YC660E2S11	32	50	1-3
CU-05	2 Tons	25,000.0 Btu/h	95	11/16	208	1	60	F-05	YORK	YC624E2S11	14	20	1-3
CU-06	4 Tons	47,000.0 Btu/h	95	12/16	208	1	60	F-06	YORK	YC648E2S11	27	45	1-3
CU-07	2 Tons	25,000.0 Btu/h	95	11/16	208	1	60	F-07	YORK	YC624E2S11	14	20	1-3
CU-08	4 Tons	47,000.0 Btu/h	95	12/16	208	1	60	F-08	YORK	YC648E2S11	27	45	1-3
CU-09	4 Tons	47,000.0 Btu/h	95	12/16	208	1	60	F-09	YORK	YC648E2S11	27	45	1-3
CU-10	25 TON	35,000.0 Btu/h	104	11/15	480	3	60	F-10	YORK	KC300C00A4TLB1	55	70	1-3
CU-13	4 Tons	47,000.0 Btu/h	95	12/16	208	1	60	F-13	YORK	YC648E2S11	27	45	1-3
CU-14	4 Tons	47,000.0 Btu/h	95	12/16	208	1	60	F-14	YORK	YC648E2S11	27	45	1-3
CU-15	4 Tons	47,000.0 Btu/h	95	12/16	208	1	60	F-15	YORK	YC648E2S11	27	45	1-3
CU-16	4 Tons	47,000.0 Btu/h	95	12/16	208	1	60	F-16	YORK	YC648E2S11	27	45	1-3
CU-17	3 Tons	35,000.0 Btu/h	95	11/15	208	1	60	F-17	YORK	YC636E2S11	19	30	1-3
CU-18	4 Tons	47,000.0 Btu/h	95	12/16	208	1	60	F-18	YORK	YC648E2S11	27	45	1-3
CU-19	3 Tons	35,000.0 Btu/h	95	11/15	208	1	60	F-19	YORK	YC636E2S11	19	30	1-3
CU-20	4 Tons	47,000.0 Btu/h	95	12/16	208	1	60	F-20	YORK	YC648E2S11	27	45	1-3
CU-21	2 Tons	25,000.0 Btu/h	95	11/16	208	1	60	F-21	YORK	YC624E2S11	14	20	1-3
CU-22	4 Tons	47,000.0 Btu/h	95	12/16	208	1	60	F-22	YORK	YC648E2S11	27	45	1-3
CU-23	5 Tons	57,000.0 Btu/h	95	11.5/15	208	1	60	F-23	YORK	YC660E2S11	32	50	1-3
CU-24	5 Tons	57,000.0 Btu/h	95	11.5/15	208	1	60	F-24	YORK	YC660E2S11	32	50	1-3

GENERAL NOTES:
A. MINIMUM RECOMMENDED CLEARANCE AROUND UNIT IS 12 INCHES ON NON-SERVICE SIDES AND 30 INCHES ON SERVICE SIDES. MAINTAIN MINIMUM CLEARANCE FOR CONDENSER AIR FLOW AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. PROVIDE WITH LOW AMBIENT CONTROL DOWN TO 20°F.
2. E.C. TO PROVIDE AND INSTALL DISCONNECT SWITCH.
3. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS.

GAS DUCT HEATER

TAG	PRESSURE DROP	INPUT BTU HIGH	INPUT BTU LOW	Output BTU	CURRENT V	PH	F	MAX CFM	MANUFACTURER	Model Number
DH	0.70 in-wg	350,000.0 Btu/h	175,000.0 Btu/h	287,000.0 Btu/h	120	1	60	7900	STERLING	TD-350

AGP
the Abla Griffin Partnership L.L.C.

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MOORE, OK. 73160
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CEDAR CREEK
CIVIL

KFC ENGINEERING
STRUCTURAL

SALAS O'BRIEN
MECHANICAL / ELECTRICAL

KF
drawn by

DG
checked by

FEBRUARY 2026
date

REVISIONS

Δ	DESCRIPTION	DATE
1	ADD 01	03/26/2026
2	ADD 02	04/13/2026
3	ADD 03	04/16/2026
4	ADD 05	04/24/2026

MOORE PUBLIC SCHOOLS

OLD SCHOOL REPLACEMENT

sheet no:

M601

Salas O'Brien
Oklahoma City
2900 S. Telephone Road, suite 120
Moore, OK 73160
CA#: 7056 Expiration Date: 06/30/27
Salas O'Brien Project Number: 2550-01554-00

SECTION 23 82 17

DUCTED MINI SPLIT DX UNITS

PART 1 - GENERAL

1.1 WORK INCLUDED

A. Furnish and install mini split system. Complete with a compact, ducted fan coil section with wired wall mounted thermostat and a slim silhouette horizontal discharge outdoor condensing unit. Unit shall be provided with inverter driven compressor, pre-charged with R32 refrigerant. air-cooled condensing units complete with casing, compressor, condenser coil, condenser fan and controls required for a split air conditioning system.

1.2 RELATED WORK

A. Refrigerant Piping.

B. Electrical Provisions of Mechanical Work.

1.3 PERFORMANCE

A. Provide performance as scheduled on drawings, and head pressure control to enable unit to operate in temperatures as low as 20 degrees F. ambient.

1.4 QUALITY ASSURANCE

A. The units shall be tested by a Nationally Recognized Testing Laboratory (NRTL) and bear the ETL label.

B. All wiring shall be in accordance with the National Electrical Code (N.E.C.).

C. The units shall be rated in accordance with Air-conditioning, Heating, and Refrigeration Institute's (AHRI) Standard 210 and bear the AHRI Certification label.

D. The units shall be manufactured in a facility registered to ISO 9001 Quality assurance Standards and ISO 14001 which are set of standards applying to sustainability and environmental protection set by the International Standard Organization (ISO).

E. A pressure charge of R32 refrigerant sufficient for up to twenty-five (25) feet of refrigerant tubing shall be provided in the outdoor condensing unit.

F. A dry air holding charge shall be provided in the indoor section.

1.5 WARRANTY

A. Unit shall have a manufacturer's parts and defects warranty for a period five (5) years from the date of the original installation. The compressor shall have a warranty of seven (7) years from date of installation. Warranties shall start at the date of substantial completion.

PART 2 - PRODUCTS

2.00 ACCEPTABLE MANUFACTURERS – NO SUBSTITUTIONS.

A. Lennox.

2.1 INDOOR UNIT GENERAL

A. The indoor shall be factory assembled, wired and run tested. Contained within the unit cabinet shall be all factory wiring, internal piping, electronic control circuit board and fan with fan motor.

B. The unit shall have a self-diagnostic function, 3-minute time delay mechanism, and auto restart after power interruption function, an emergency operation function and a test run switch.

C. Indoor unit and refrigerant pipes shall be charged with dry air before shipment from the factory. All refrigerant piping must be insulated.

2.2 CABINET

A. The casing shall be constructed from galvanized steel with flanged edges, removable panels for servicing, and insulation on back of panel.

B. Multi directional drain offering four two (2) directions for draining shall be standard.

C. The cabinet shall be located into the ceiling and ducted to the supply and return openings.

D. The cabinet shall be constructed with sound absorbing foamed polystyrene and polyethylene insulation.

2.3 FAN

A. The fan shall be direct-drive DC (ECM) type fan, statically and dynamically balanced impeller with three fan speeds available.

B. The unit shall be equipment with an automatically adjusting external static pressure logic selectable during commissioning.

C. The fan motor shall operate on 208/230 volts, 1 phase, 60 hertz with a motor output range of 0.12 to 0.47 HP respectively.

D. The airflow rate shall be available in three settings.

E. The fan motor shall be thermally protected.

F. The fan motor shall be equipped as standard with adjustable external static pressure (ESP) settings.

2.4 FILTER

A. The units shall be provided with a fabricated rear return angled filter housing (field installed). Filter box shall be configured to accept owner’s standard sizes of 16x20x2, 16x25x2, 20x20x2, 20x25x2 only.

B. Provide minimum MERV 11 filter during construction. Contractor to install clean MERV 13 filters just prior to owner acceptance.

2.5 COIL

A. Coils shall be of the direct expansion type constructed from copper tubes expanded into aluminum fins to form a mechanical bond.

B. The coil shall be of a waffle louver fin and high heat exchange, rifled bore tube design to ensure highly efficient performance.

C. The coil shall be a 3 row cross fin copper evaporator coil with 13 FPI design completely factory tested.

D. The refrigerant connections shall be flare connections and the condensate will be 1-1/4” outside diameter PVC.

E. A condensate pan shall be located under the coil.

F. A condensate pump with an 18-3/8” lift shall be located below the coil in the condensate pan with a built in safety alarm.

G. A thermistor will be located on the liquid and gas line.

2.6 ELECTRICAL

A. Power for the indoor unit shall be supplied from the outdoor unit.

B. Power supply shall be as indicated on the drawings.

C. The unit shall be equipped with a micro-processor control system directing indoor and outdoor unit coordinated operation.

2.7 CONTROL

A. This system shall have a wired wall mounted thermostat/controller to perform input functions necessary to operate the system. The controller shall consist of a Power On / Off switch, Mode Selector, Temperature Setting, Timer Control, Fan Speed Select and Auto Vane Selector.

B. Temperature changes shall be by 1°F increments with a range of 65°F to 87°F.

C. There shall be a 24 hour On / Off timer.

D. The microprocessor located in the indoor unit shall have the capability of sensing return air temperature and indoor coil temperature, receiving and processing commands from the space controller, providing emergency operation and controlling the outdoor unit.

E. The control voltage between the indoor unit and the outdoor unit shall be 115 volts, AC.

F. The system shall be capable of automatic restart when power is restored after power interruption.

G. The control system shall control the operation of the air sweep louvers, as well as provide on / off and system / mode function switching.

2.8 OUTDOOR UNIT GENERAL

A. The outdoor unit is designed specifically for use with the indoor units. The outdoor unit shall be completely factory assembled, internally piped and wired. Each unit shall be run tested at the factory.

B. When refrigerant lines are exposed on exterior of building provide “LINE-HIDE” line set cover system.
   1. Material, Weather resistant, UV stabilized, ASA/PVC/ABS/Poly/PE
   2. Assembly Screws, stainless steel.

2.9 UNIT CABINET

A. The casing shall be fabricated from zinc coated steel, bonderized with an electrostatically applied, thermally bonded, acrylic or polyester powder coating for corrosion protection.

B. Case and mounting feet shall be as follows:
   1. The base shall be of Aluminum-Zinc-Magnesium alloy coated steel, with welded mounting feet.

C. Cabinet mounting and construction shall be sufficient to withstand 155 MPH wind speed conditions for use in Hurricane condition areas. Mounting, base support, and other installation to meet Hurricane Code Conditions shall be by others.

2.10 FAN

A. The unit shall be furnished with a directive drive propeller type fan, statically and dynamically balanced for smooth and quiet operation.

B. The fan motor shall have inherent protection, be equipped with permanently lubricated bearings. The fan motor shall be mounted and isolated for quiet operation.

C. The fan shall be provided with a raised guard to prevent contact with moving parts.

D. The outdoor unit shall have horizontal discharge airflow.

2.11 COMPRESSOR

A. The compressor shall be a high performance, inverter driven rotary type.

B. Compressor shall be mounted using rubber isolating bushings to avoid the transmission of vibration.

C. Compressor shall be protected by an automatic over current relay and a thermal overload switch.

2.12 OPERATION

A. The outdoor unit shall have an accumulator.

B. The outdoor unit must have the ability to operate with a maximum height difference of 35 feet between indoor and outdoor units.

C. The unit shall have a maximum refrigerant tubing length of 65 feet between indoor and outdoor units without the need for line size changes, traps or additional oil. All refrigerant lines must be insulated.

D. The unit shall be pre-charged for a maximum of 25 feet of refrigerant tubing.

2.13 ELECTRICAL

A. Power supply shall be as indicated on the drawings.

B. The outdoor unit shall be controlled by the microprocessor located in the indoor unit. The control voltage between the indoor unit and the outdoor unit shall be 115 volts, AC.

2.14 WALL BRACKET

A. As indicated on the drawings, provide each unit 3 tons and below with a stainless steel mini-split condenser bracket.

B. Unit shall be constructed for a maximum weight of 300 lbs.

C. Unit shall be manufactured by Rectorseal model #WBB-300SS or Diveritech model #QSWB4000SS.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Mount condensing units on 4" foundation pads and pipe as shown on Drawings or as recommended by the equipment manufacturer. Install refrigerant filter dryer and sight indicating glass.

B. Install units on vibration isolation pads.

C. Ensure unit provided will meet the refrigerant and line lengths required by the installation as indicated on the drawings.

D. Provide convenience water and electrical within 50 feet of new condensing unit.

3.2 CONTROL WIRING

A. Furnish and install control wiring as required. Install control wiring in conduit.

3.3 DELIVERY, STORAGE AND HANDLING

A. Unit shall be stored and handled according to the manufacturer’s recommendations.

B. The wired controller shall be shipped inside the carton with the indoor unit and able to withstand 105°F storage temperatures and 95% relative humidity without adverse effect.

3.4 START-UP

A. Follow the manufacturer's start-up procedures.

B. Provide flexible elastomeric rubber closed cell insulation to prevent condensation from occurring op suction piping. After completion of successful start-up, installing contractor shall seal all openings in insulation and apply a protective aluminum sheetmetal jacket over insulation exposed on exterior of building.

END OF SECTION

OMNI CONSTRUCTION

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MPS OLD SCHOOL REPLACEMENT
ADDENDUM #5
4/24/2026

- Revision of Bid Package #4 Metals (Material Only)

  1.) Provide clarification on the scope of work for the FEMA shrouds

MPS Old School Replacement

201 North Broadway

Moore, OK 73160

Summary of Work / Bid Packages

BID PACKAGE #4: METAL (MATERIAL ONLY)

- **This bid package shall include all labor, materials, equipment, services, insurances, and incidentals required to complete the Metal (Material Only) work as specified by the drawings and specifications including the following:**

SECTIONS:

• **Division 0**	**Bidding & Contract Documents**	**Complete**
• **Division 1**	**General Requirements**	**Complete**
• **Section 05120**	**Structural Steel**	**Complete**
• **Section 05210**	**Steel Joists**	**Complete**
• **Section 05310**	**Metal Deck**	**Complete**
• **Section 05500**	**Metal Fabrications**	**Complete**
• **Section 05510**	**Metal Stairs**	**Complete**
• **Section 05521**	**Pipe and Tube Railings**	**Complete**

THIS SCOPE OF WORK SHALL INCLUDE BUT NOT LIMITED TO:

- **The subcontractor is to ensure that all elevated work areas are made ready to protect all areas below and have OSHA approved fall protection for work to proceed.**
- **The subcontractor is responsible for the daily clean-up of all waste & trash generated by their work.**
- **The subcontractor is responsible for reviewing ALL PLAN SHEETS AND PLAN NOTES for any and all information pertaining to this scope of work.**
- **Include delivery of all materials associated with this bid package. Delivery must be coordinated with the Construction Manager and steel erector.**
- **Supply all anchors for embedding into concrete and masonry.**
- **Supply all bridging, seats, bearings, and angles.**
- **Supply all lintels.**
- **Supply all seismic bracing steel.**
- **Supply FEMA rated shrouds as called out in plans. (ADD #5)**