MOORE PUBLIC SCHOOLS -
ASC BOARDROOM and
STORM SHELTER BUILDING
Moore Public Schools - Moore, Oklahoma
AGP - Moore, Oklahoma

ADDENDUM NO. 1
October 13, 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 five (5) 8.5″x11″ pages and eighteen (18) 24″x36″ sheets.

A. Drawings:

General

No changes.

Civil

Revised Civil drawings C1.00 Demo Plan, C2.00 Site Plan, C3.03 Detention Pond Plan, and C4.00 Utility Plan. Refer to attachments.

1. Sheet FL100, Fire Lane Plan: added sheet – refer to attachment.

Structural

No changes.

Architectural

No changes.

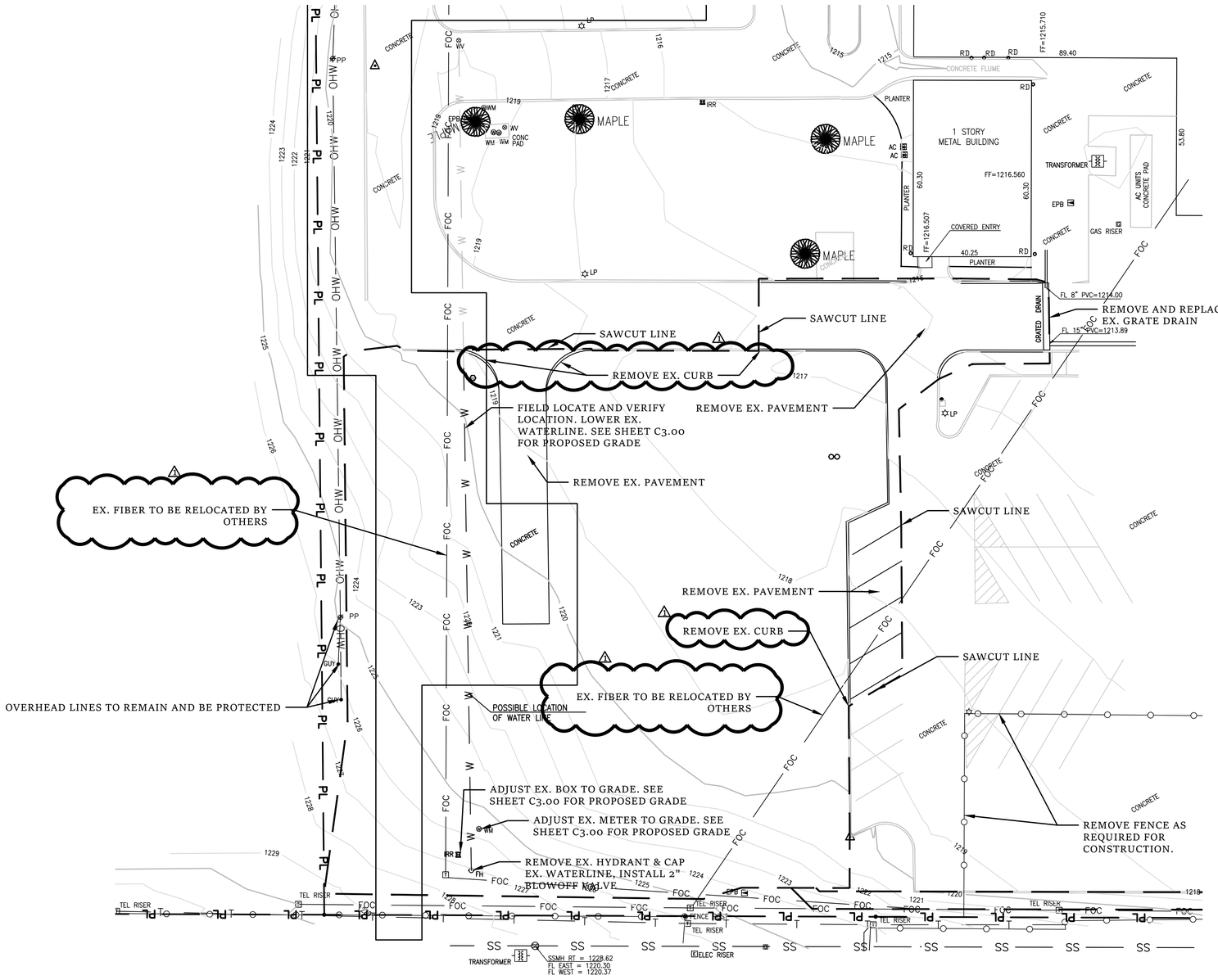
Mechanical, Electrical, Technology, and Plumbing

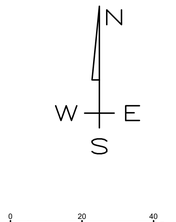
Refer to attachments.

B. Specifications:

No changes.

END OF ADDENDUM NO. 1





REVISIONS	
10.07.26	ADDENDUM #1

PROJECT

MPS BOARDROOM

#: 26005

DEREK MARSHALL BRUNS 27042 10.07.26 OKLAHOMA REGISTERED PROFESSIONAL ENGINEER

DATE: 10.07.26

STATUS

PERMIT SET

FLATLAND CIVIL CONSULTING

200 36TH AVE NW
PO BOX 720072
NORMAN, OK
73070
P: 405-863-8984
OK CA#9971
EXP. 06/30/2028

LEGEND

EX. CENTERLINE	PR. BLDG SETBACK
EX. 1' CONTOUR	PR. CENTERLINE
EX. 5' CONTOUR	PR. 1' CONTOUR
EX. EASEMENT	PR. 5' CONTOUR
EX. ELECTRIC	PR. EASEMENT
EX. FENCE	PR. ELECTRIC
EX. FIBER	PR. FENCE
EX. GAS	PR. FIBER
EX. LOT	PR. GAS
EX. OVERHEAD WIRE	PR. LOT
EX. PROPERTY LINE	PR. OVERHEAD WIRE
EX. ROW	PR. ROW
EX. SECTION LINE	PR. SANITARY SEWER
EX. SANITARY SEWER	PR. STORM DRAIN
EX. STORM DRAIN	PR. TELECOMMUNICATIONS
EX. TELECOMMUNICATIONS	PR. WATER
EX. WATER	

SANITARY SEWER MANHOLE	NATURAL GAS MANHOLE
SANITARY SEWER CLEANOUT	ELECTRIC MANHOLE/TRANSFORMER
STORM DRAIN MANHOLE	ELECTRIC METER
WATER METER	GAS METER
FIRE HYDRANT	TELECOMMUNICATIONS HANDHOLE
HOSE HYDRANT/FDC	

SHEET TITLE

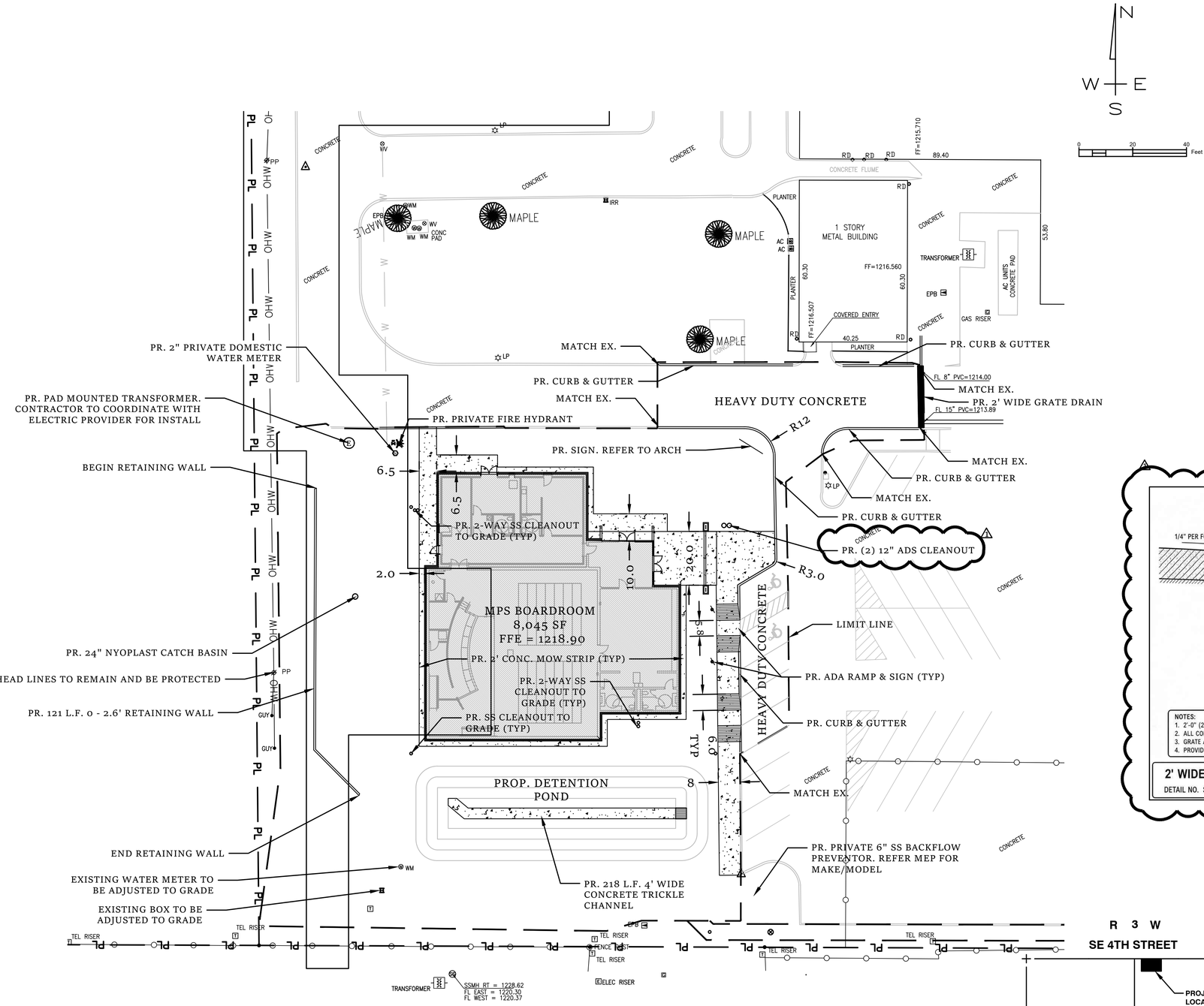
DEMO PLAN

PAGE NUMBER

C1.00

811 Know what's below. Call before you dig.

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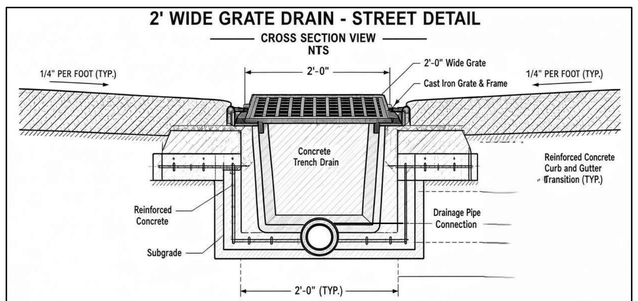


STRIPING NOTES

1. ALL PARKING LOT STRIPING SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS, AND LOCAL JURISDICTIONAL REQUIREMENTS.
2. PARKING STALL STRIPING SHALL BE WHITE THERMOPLASTIC OR APPROVED TRAFFIC PAINT, 4 INCHES WIDE, UNLESS OTHERWISE NOTED. STANDARD PARKING STALLS SHALL BE A MINIMUM OF 9 FEET WIDE BY 18 FEET LONG (OR AS DIMENSIONED ON THE PLANS). COMPACT STALLS, IF USED, SHALL BE CLEARLY MARKED "COMPACT" AND SHALL BE A MINIMUM OF 8 FEET WIDE BY 16 FEET LONG.
3. ACCESSIBLE (HANDICAP) PARKING STALLS SHALL BE A MINIMUM OF 8 FEET WIDE WITH AN ADJACENT 5-FOOT-WIDE ACCESS AISLE (OR 11-FOOT-WIDE STALL WITH 5-FOOT ACCESS AISLE WHERE REQUIRED). VAN-ACCESSIBLE STALLS SHALL PROVIDE AN 8-FOOT-WIDE ACCESS AISLE. ACCESSIBLE STALLS AND ACCESS AISLES SHALL BE MARKED WITH BLUE PAINT AND THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. ACCESSIBLE PARKING SYMBOLS (WHEELCHAIR SYMBOL) SHALL BE WHITE ON A BLUE BACKGROUND, CENTERED IN THE STALL, AND A MINIMUM OF 36 INCHES HIGH.
4. ACCESS AISLES FOR ACCESSIBLE STALLS SHALL BE MARKED WITH DIAGONAL HATCH LINES (HATCHED AT 45 DEGREES) AT 12-INCH TO 24-INCH SPACING USING BLUE PAINT.
5. FIRE LANES AND NO-PARKING ZONES SHALL BE MARKED WITH RED PAINT AND LETTERED "NO PARKING - FIRE LANE" OR AS REQUIRED BY THE LOCAL FIRE MARSHAL. LETTERING SHALL BE A MINIMUM OF 12 INCHES HIGH. ALL STRIPING SHALL BE APPLIED TO A CLEAN, DRY SURFACE. EXISTING STRIPING THAT CONFLICTS WITH THE NEW LAYOUT SHALL BE COMPLETELY REMOVED BY GRINDING OR APPROVED METHOD PRIOR TO APPLICATION OF NEW MARKINGS.
6. THERMOPLASTIC MARKINGS SHALL BE APPLIED AT A MINIMUM THICKNESS OF 90 MILS. TRAFFIC PAINT SHALL BE APPLIED IN TWO COATS AT THE MANUFACTURER'S RECOMMENDED RATE.
7. CONTRACTOR SHALL LAYOUT ALL STRIPING IN THE FIELD FOR APPROVAL BY THE OWNER OR ENGINEER PRIOR TO PERMANENT APPLICATION.
8. ALL DIMENSIONS SHOWN ON THE STRIPING PLAN ARE TO THE CENTERLINE OF THE PAINTED LINES UNLESS OTHERWISE NOTED.
9. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD PRIOR TO LAYOUT. NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

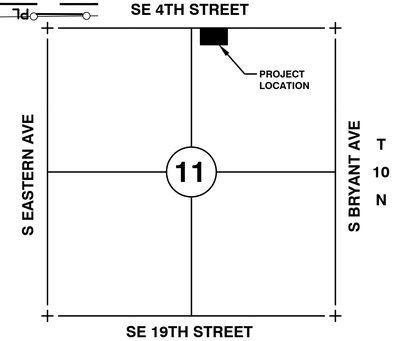
2' WIDE GRATE DRAIN - STREET DETAIL

CROSS SECTION VIEW
NTS



NOTES:
1. 2'-0" (24") WIDE TRENCH DRAIN INSTALLED IN STREET CROSS SLOPE.
2. ALL CONCRETE TO BE 4,000 PSI MIN. WITH REINFORCEMENT AS SHOWN.
3. GRATE AND FRAME: CAST IRON OR DUCTILE IRON, LOAD RATED FOR AASHTO H-20/HS-20 TRAFFIC.
4. PROVIDE WATERSTOP/KEYWAY AT CONSTRUCTION JOINTS.

2' WIDE GRATE DRAIN - STREET DETAIL	SCALE: NTS	REVIEWED BY:
DETAIL NO. STD-DR-201 DATE: MAY 2024		(ENGINEER / DATE)



LOCATION MAP

LEGEND

EX. CENTERLINE	PR. BLDG SETBACK
EX. 1' CONTOUR	PR. CENTERLINE
EX. 5' CONTOUR	PR. 1' CONTOUR
EX. EASEMENT	PR. 5' CONTOUR
EX. ELECTRIC	PR. EASEMENT
EX. FENCE	PR. ELECTRIC
EX. FIBER	PR. FENCE
EX. GAS	PR. FIBER
EX. LOT	PR. GAS
EX. OVERHEAD WIRE	PR. LOT
EX. PROPERTY LINE	PR. OVERHEAD WIRE
EX. ROW	PR. ROW
EX. SECTION LINE	PR. SANITARY SEWER
EX. SANITARY SEWER	PR. STORM DRAIN
EX. STORM DRAIN	PR. TELECOMMUNICATIONS
EX. TELECOMMUNICATIONS	PR. WATER
EX. WATER	

SANITARY SEWER MANHOLE	NATURAL GAS MANHOLE
SANITARY SEWER CLEANOUT	ELECTRIC MANHOLE/TRANSFORMER
STORM DRAIN MANHOLE	ELECTRIC METER
WATER METER	GAS METER
FIRE HYDRANT	TELECOMMUNICATIONS HANDHOLE
HOSE HYDRANT/FDC	

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REVISIONS	
1	ADDENDUM #1
10.07.26	

PROJECT

MPS BOARDROOM

#: 26005

OKLAHOMA REGISTERED PROFESSIONAL ENGINEER DEREK HARDCASTLE 35342 10.07.26

DATE: 10.07.26

STATUS

PERMIT SET

FLATLAND CIVIL CONSULTING

200 36TH AVE NW
PO BOX 720072
NORMAN, OK
73070
P: 405-863-8984
OK CA#9971
EXP. 06/30/2028

SHEET TITLE

SITE PLAN

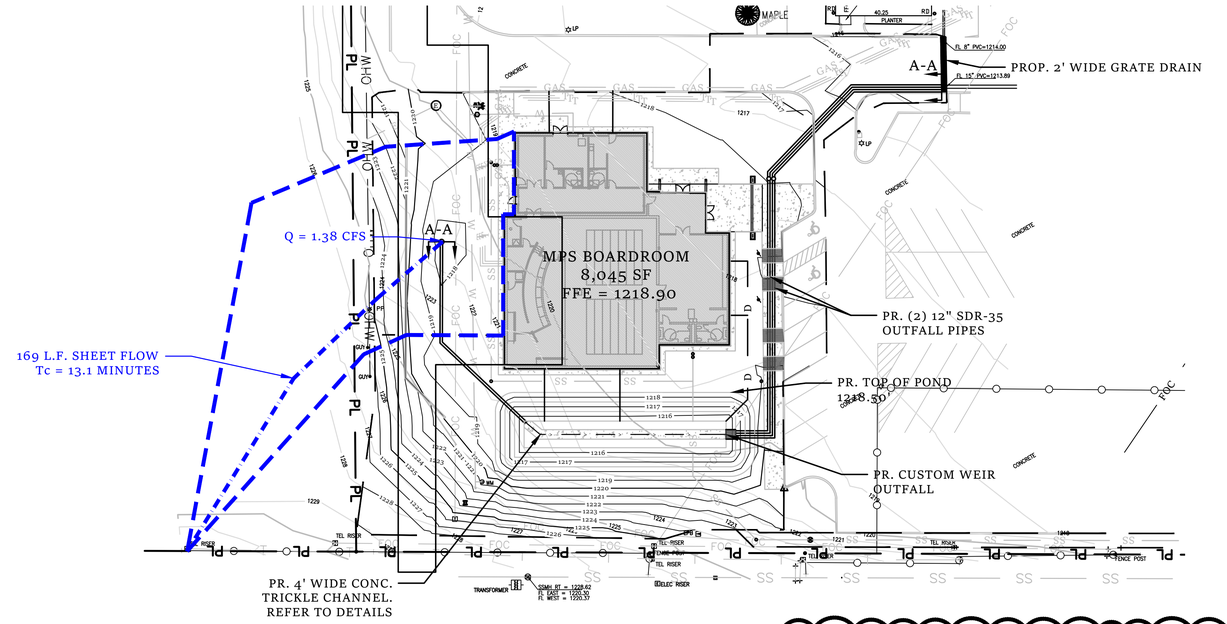
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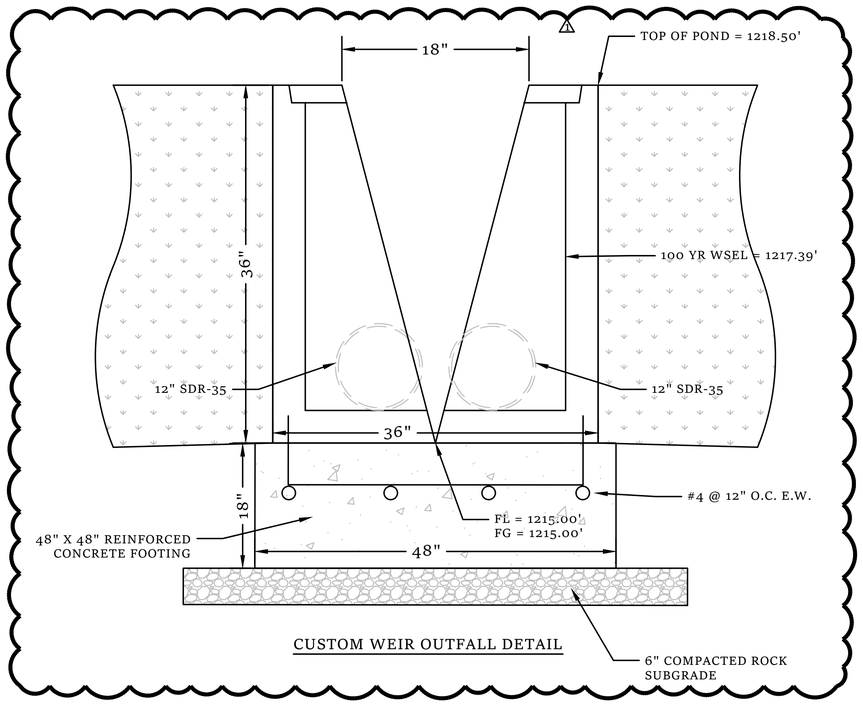
C2.00

LEGEND

- EX. CENTERLINE
- EX. 1' CONTOUR
- EX. 5' CONTOUR
- EX. EASEMENT
- EX. ELECTRIC
- EX. FIBER
- EX. GAS
- EX. LOT
- EX. OVERHEAD WIRE
- EX. PROPERTY LINE
- EX. ROW
- EX. SECTION LINE
- EX. SANITARY SEWER
- EX. STORM DRAIN
- EX. TELECOMMUNICATIONS
- EX. WATER
- PR. BLDG SETBACK
- PR. CENTERLINE
- PR. 1' CONTOUR
- PR. 5' CONTOUR
- PR. EASEMENT
- PR. ELECTRIC
- PR. FENCE
- PR. FIBER
- PR. GAS
- PR. LOT
- PR. OVERHEAD WIRE
- PR. ROW
- PR. SANITARY SEWER
- PR. STORM DRAIN
- PR. TELECOMMUNICATIONS
- PR. WATER

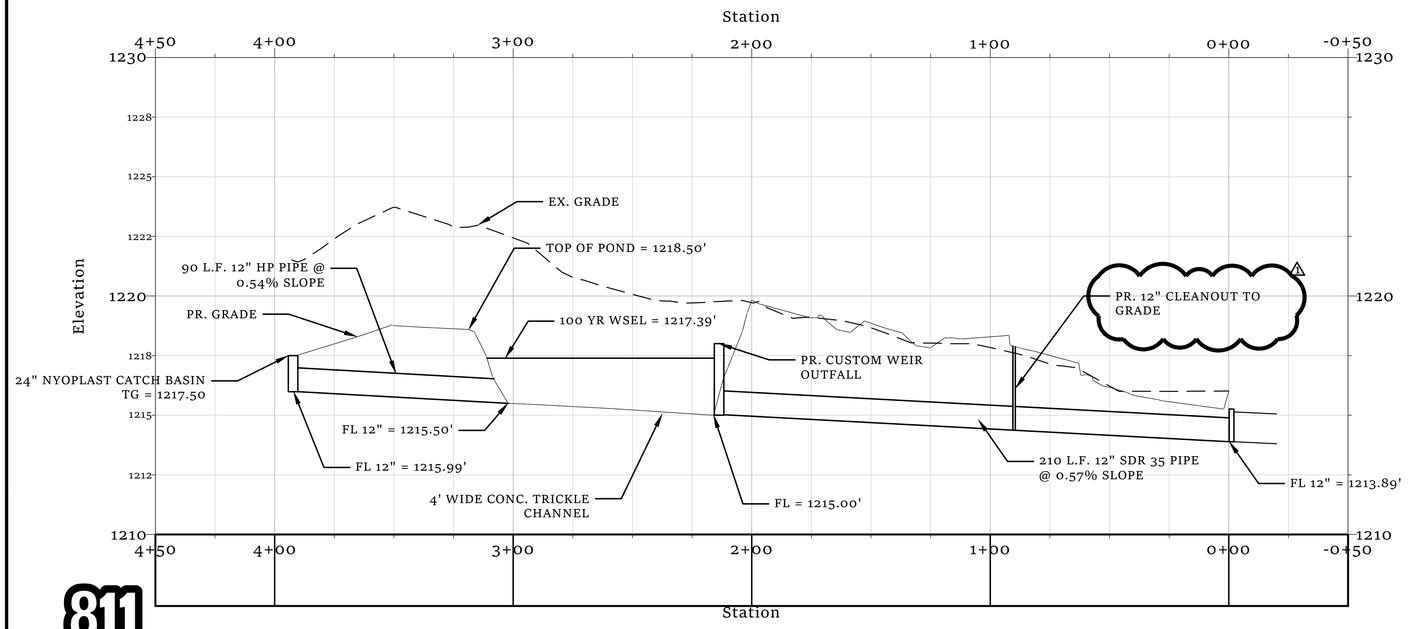
- SANITARY SEWER MANHOLE
- SANITARY SEWER CLEANOUT
- STORM DRAIN MANHOLE
- WATER METER
- FIRE HYDRANT
- HOSE HYDRANT/FDC
- NATURAL GAS MANHOLE
- ELECTRIC MANHOLE/TRANSFORMER
- ELECTRIC METER
- GAS METER
- TELECOMMUNICATIONS HANDHOLE





CUSTOM WEIR OUTFALL DETAIL

DETENTION PROFILE



SECTION A-A
1" = 30' HORIZONTAL
1" = 3' VERTICAL

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REVISIONS	
10.07.26	ADDENDUM #1

PROJECT

MPS BOARDROOM

#: 26005

DEREK HARDWICK 35512 10.07.26 OKLAHOMA REGISTERED PROFESSIONAL ENGINEER

DATE: 10.07.26

STATUS

PERMIT SET

FLATLAND CIVIL CONSULTING
200 36TH AVE NW
PO BOX 720072
NORMAN, OK
73070
P: 405-863-8984
OK CA#9971
EXP. 06/30/2028

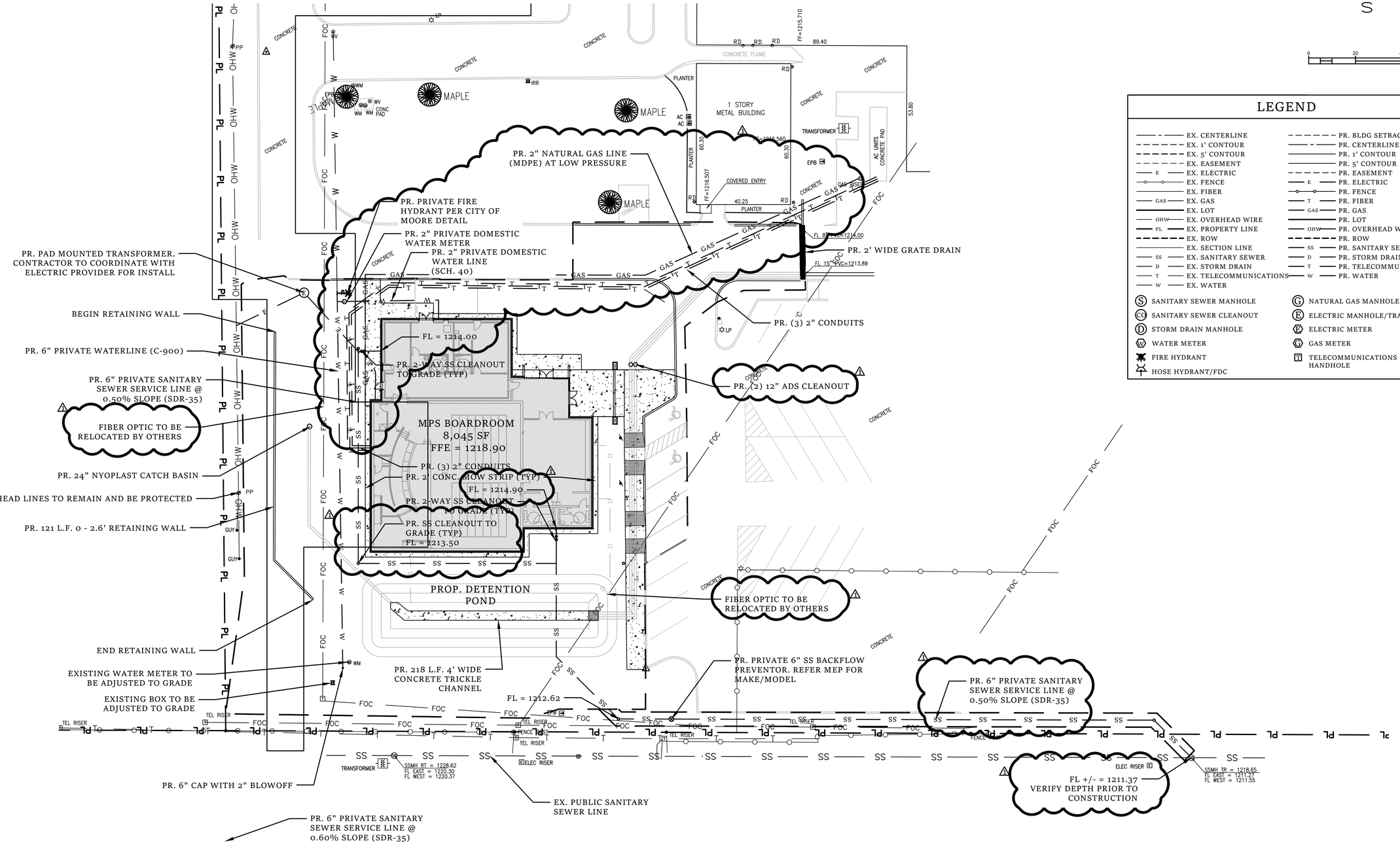
SHEET TITLE

DETENTION POND PLAN

PAGE NUMBER

C3.03

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N
W E
S

0 20 40 Feet

LEGEND

EX. CENTERLINE	PR. BLDG SETBACK
EX. 1' CONTOUR	PR. CENTERLINE
EX. 5' CONTOUR	PR. 1' CONTOUR
EX. EASEMENT	PR. 5' CONTOUR
E EX. ELECTRIC	PR. EASEMENT
EX. FENCE	E PR. ELECTRIC
EX. FIBER	PR. FENCE
GAS EX. GAS	T PR. FIBER
EX. LOT	GAS PR. GAS
OHW EX. OVERHEAD WIRE	PR. LOT
PL EX. PROPERTY LINE	OHW PR. OVERHEAD WIRE
EX. ROW	PR. ROW
EX. SECTION LINE	SS PR. SANITARY SEWER
SS EX. SANITARY SEWER	D PR. STORM DRAIN
D EX. STORM DRAIN	T PR. TELECOMMUNICATIONS
T EX. TELECOMMUNICATIONS	W PR. WATER
W EX. WATER	

- (S) SANITARY SEWER MANHOLE
- (CO) SANITARY SEWER CLEANOUT
- (D) STORM DRAIN MANHOLE
- (W) WATER METER
- FIRE HYDRANT
- HOSE HYDRANT/FDC
- (G) NATURAL GAS MANHOLE
- (E) ELECTRIC MANHOLE/TRANSFORMER
- (E) ELECTRIC METER
- (G) GAS METER
- (T) TELECOMMUNICATIONS HANDHOLE

Know what's below. Call before you dig. 811

REVISIONS
1 10.07.26 ADDENDUM #1

PROJECT

MPS BOARDROOM

#: 26005

DEREK WARBURTON 25042 10-07-26 OKLAHOMA REGISTERED PROFESSIONAL ENGINEER

DATE: 10.07.26

STATUS

PERMIT SET

FLATLAND CIVIL CONSULTING
200 36TH AVE NW
PO BOX 720072
NORMAN, OK
73070
P: 405-863-8984
OK CA#9971
EXP. 06/30/2028

SHEET TITLE

UTILITY PLAN

PAGE NUMBER

C4.00

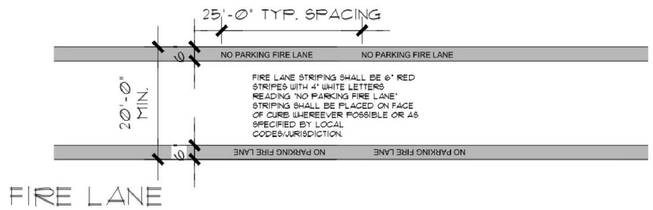
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NORTH

1 FIRE LANE PLAN

1" = 40'-0"



FIRE LANE STRIPING DETAIL

NOTES

1. ▬ INDICATES "FIRE LANE NO PARKING" PROVIDE MARKINGS AS PER FIRE LANE STRIPING DETAIL.
2. EXISTING FIRE APPARATUS ACCESS ROADS TO REMAIN. PROJECT WILL UPDATE AS PER PLAN

△1 ENTIRE SHEET

AGP
the Abla Griffin Partnership L.L.C.

313 S. E. 5th Street
MOORE, OK. 73160
405.735.3477
AGP@theAGP.net
www.theAGP.net

FLAT LAND
CIVIL

KFC ENGINEERING
STRUCTURAL

SALAS O'BRIEN
MECHANICAL / ELECTRICAL

STATE OF OKLAHOMA
MICHAEL L. ABLA
2639
REGISTERED ARCHITECT
8/20/26

CG
drawn by

MA
checked by

JULY 2026
date

revisions
△1 ADDENDUM #1

MOORE PUBLIC SCHOOLS

ASC BOARDROOM
STORM SHELTER
BUILDING

sheet no:

FL100

FIRE LANE PLAN

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ADDENDUM 01

Issue Date: September 25, 2026

Project Information

Client: Abla Griffin Partnership
Project Name: ASC Boardroom Building
Project Location: Moore, OK
Owner: Moore Public Schools
Engineer: Salas O'Brien, Inc

Project No. 2650-00986-00





To Prospective Bidders

- This Addendum forms a part of the Contract Documents and modifies the Bidding Documents dated August 14, 2026, (and previous Addenda), with amendments and additions noted below.
- This Addendum consists of (3) pages and (14) attachments.
  - Index of Attachments
    - Earthsmart Controls Proposal
    - M501 P601 E601
    - M601 E000
    - T001 E001
    - T101 E101
    - P110 E201
    - P201 E502

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

CHANGES TO BIDDING REQUIREMENTS

- The attached Earthsmart Control proposal shall be included as part of the mechanical bid for this project.

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.

- M501 – MECHANICAL DETAILS
  - Refer to clouds and deltas for changes on plan.
- M601 – MECHANICAL SCHEDULES
  - Refer to clouds and deltas for changes on plan.
- T001 - TECHNOLOGY SITE PLAN
  - Refer to clouds and deltas for changes on plan.
- T101 - TECHNOLOGY FLOOR PLAN
  - Refer to clouds and deltas for changes on plan.
- P110 – PLUMBING PLAN – ABOVE GRADE
  - Refer to clouds and deltas for changes on plan.
- P201 – PLUMBING ROOF PLAN
  - Refer to clouds and deltas for changes on plan.
- P601 – PLUMBING SCHEDULES
  - Refer to clouds and deltas for changes on plan.
- E000 – ELECTRICAL NOTES, LEGENDS, & ABBREVIATIONS
  - Refer to clouds and deltas for changes on plan.
- E001 – ELECTRICAL SITE PLAN
  - Refer to clouds and deltas for changes on plan.
- E101 – ELECTRICAL LIGHTING PLAN
  - Refer to clouds and deltas for changes on plan.
- E201 – ELECTRICAL POWER PLAN
  - Refer to clouds and deltas for changes on plan.
- E502 – LIGHTING CONTROLS DETAIL
  - Refer to clouds and deltas for changes on plan.
- E601 – ELECTRICAL SCHEDULES
  - Refer to clouds and deltas for changes on plan.

END OF ADDENDUM [01]

EARTHSMART CONTROLS

5305 N Santa Fe Avenue
Oklahoma City, OK 73118
www.earthsmartcontrols.com
Phone: (405) 778-8008
Fax: (866) 676-5602

To: Moore ASC Boardroom Bidders **September 15, 2026**
Attn: Estimator

This is a proposal to provide controls for the Moore Public Schools ASC Boardroom project.

RTUs (3)

- Provide and install Honeywell controls.
- Install communication, controller, supply air sensor, fan enable/status, compressor enable/status (2), heat enable (2), digital space temperature/humidity/CO2 sensor and control outside air damper.
- Commission the units to ensure proper operation.

IT Room Monitor (1)

- Provide and install temp sensor to monitor IT room and provide alarm on temp rise.
- Commission the system to ensure proper operation.

Honeywell WEBS N4 Frontend

- Tie to existing N4 supervisor station (graphical user interface).
- Provide a 5 Device JACE to accommodate devices.
- Provide 4 hours of user training.
- ***Provide 1-year parts and labor warranty.***
- Provide graphical representations of equipment listed above.
- Provide custom trending and alarms.
- Provide scheduling capabilities and remote access.

The total price for the control work above is: $25,380.00
Twenty-Five Thousand Three Hundred and Eighty Dollars

****
****

We thank you for the opportunity to bid and look forward to working with you soon.

If you have any questions, please feel free to contact us at (405) 778-8008.

Continued on next page…

5305 N Santa Fe Avenue
Oklahoma City, OK 73118
www.earthsmartcontrols.com
Phone: (405) 778-8008
Fax: (866) 676-5602

Exclusions for total job: Any wiring above 24V, split system controls, carbon monoxide sensors, smoke detectors and anything not mentioned in this proposal.

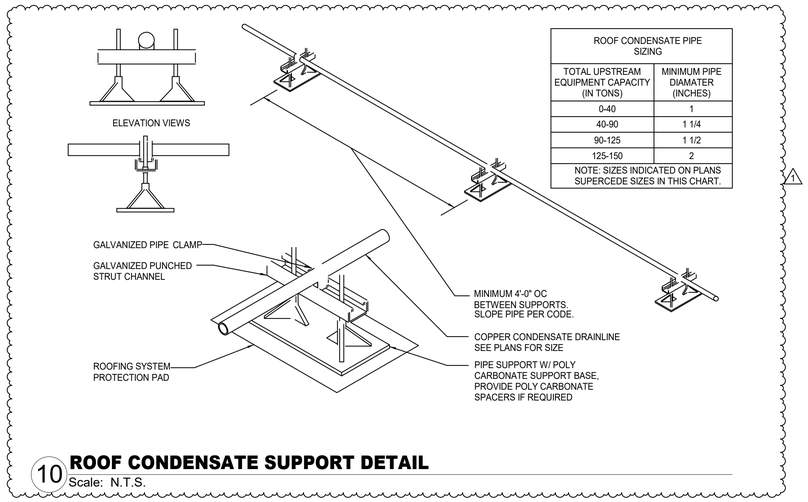


Erin Bevill Controls Manager
EarthSmart Controls, LLC

Company:_____ Signature: _____

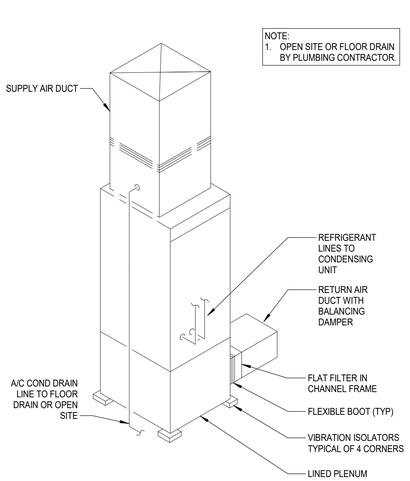
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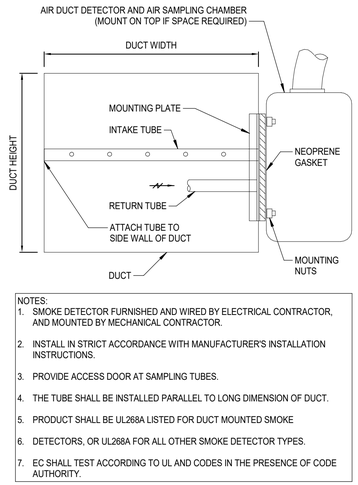
Title:_____ PO #: _____



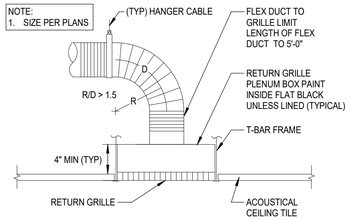
ROOF CONDENSATE PIPE SIZING	
TOTAL UPSTREAM EQUIPMENT CAPACITY (IN TONS)	MINIMUM PIPE DIAMATER (INCHES)
0-40	1
40-90	1 1/4
90-125	1 1/2
125-150	2
NOTE: SIZES INDICATED ON PLANS SUPERCEDE SIZES IN THIS CHART.	

10 ROOF CONDENSATE SUPPORT DETAIL
Scale: N.T.S.

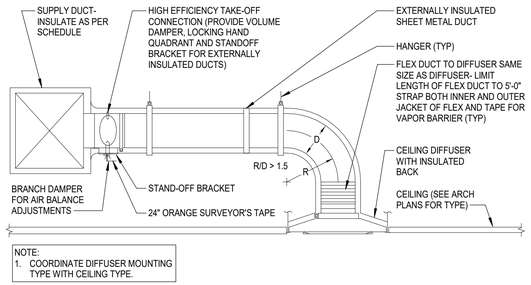




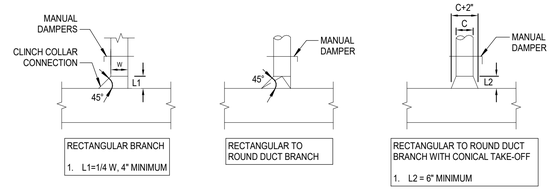
NOTES:
1. SMOKE DETECTOR FURNISHED AND WIRED BY ELECTRICAL CONTRACTOR, AND MOUNTED BY MECHANICAL CONTRACTOR.
2. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
3. PROVIDE ACCESS DOOR AT SAMPLING TUBES.
4. THE TUBE SHALL BE INSTALLED PARALLEL TO LONG DIMENSION OF DUCT.
5. PRODUCT SHALL BE UL268A LISTED FOR DUCT MOUNTED SMOKE
6. DETECTORS, OR UL268A FOR ALL OTHER SMOKE DETECTOR TYPES.
7. EC SHALL TEST ACCORDING TO UL AND CODES IN THE PRESENCE OF CODE AUTHORITY.



3 TYP. RETURN/EXHAUST AIR GRILLE PLENUM BOX DETAIL
Scale: N.T.S.



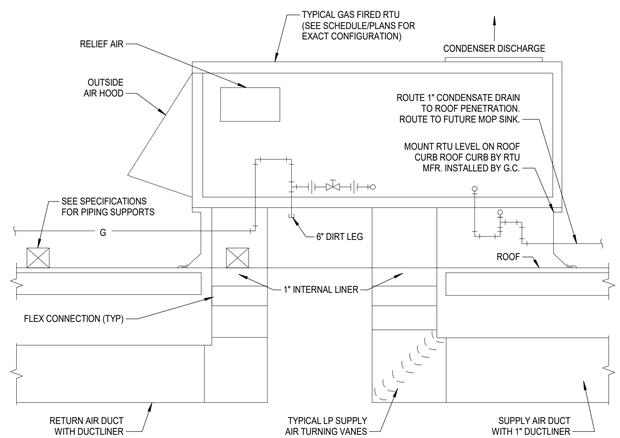
NOTE:
1. COORDINATE DIFFUSER MOUNTING TYPE WITH CEILING TYPE.



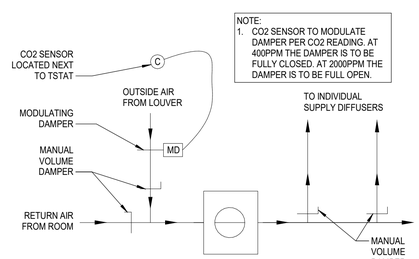
NOTES:
1. ALL DUCTWORK TO BE CONSTRUCTED TO MEET S.M.A.C.N.A. STANDARDS
2. REMOVE EVERY OTHER TURNING VANE IN RETURN/EXHAUST DUCTS.

2 TYP. CEILING DIFFUSER DETAIL
Scale: N.T.S.

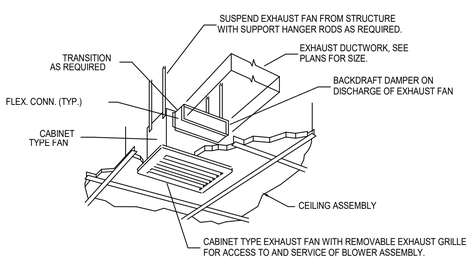
1 TYPICAL DUCTWORK DETAILS
Scale: N.T.S.

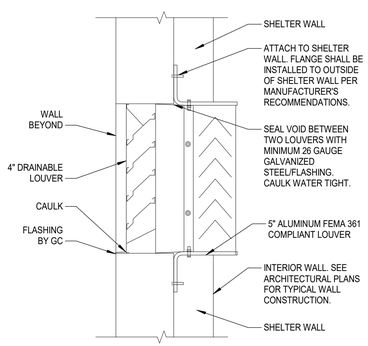


5 VERTICAL FCU DETAIL
Scale: N.T.S.



4 SMOKE DETECTOR MOUNTING DETAIL
Scale: N.T.S.





9 FURNACE AIR BALANCE SCHEMATIC
Scale: N.T.S.

8 CEILING MOUNTED EXHAUST FAN
Scale: N.T.S.

7 FEMA LOUVER CONNECTION DETAIL
Scale: N.T.S.

6 MQ - TYP. ROOF TOP UNIT GAS FIRED DETAIL
Scale: N.T.S.

AGP
the Abla Griffin Partnership L.L.C.

313 S. E. 5th Street
MOORE, OK. 73160
405.735.3477
AGP@theAGP.net
www.theAGP.net

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KFC ENGINEERING
STRUCTURAL

SALAS O'BRIEN
MECHANICAL / ELECTRICAL

PROFESSIONAL ENGINEER — Bryant Mitchell Donahue — 30822 — 04/25/26

KF
drawn by

DG
checked by

AUGUST 2026
date

REVISIONS

Δ	DESCRIPTION	DATE
1	ADDENDUM #1	09/25/2026

MOORE PUBLIC SCHOOLS

MPS ASC
BOARDROOM
BUILDING

sheet no:

M501

Salas O'Brien

Salas O'Brien Inc. - Oklahoma City
2900 S. Telephone Road, Suite 120
Moore, OK 73160
CA#: 9820 Expiration Date: 06/30/27

Salas O'Brien Project Number: 2650-00986-00

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PACKAGED ROOFTOP UNIT - GAS HEAT

MARK	FAN							COOLING						COOLING		HEATING			HEATING		BASIS OF DESIGN					REMARKS
	SUPPLY AIR CFM	OUTSIDE AIR CFM	EXT.STATIC PRESSURE (IN. W.C.)	HORSE POWER	CURRENT CHAR			AIR TEMPERATURE (°F)			TOTAL CAPACITY (BTU)	SENSIBLE CAPACITY (BTU)	MINIMUM EER	NUMBER OF STAGES	ENTERING AIR TEMP.(°F)	INPUT (BTUH)	OUTPUT (BTUH)	SSE %	NUMBER OF STAGES	MANUFACTURER	MODEL	MCA	MOCP	WEIGHT (LBS)	
					V	P	F	ENTERING DRY BULB	ENTERING WET BULB	AMBIENT TEMP															
RTU-1	1,495	250	1.00	1.5	208	3	60	82.0	67.0	104 °F	61400	43400	12.8	2	60	80000	65000	81	2	YORK	KT061N08P2DEAAE1A1	39	50	1215	1-12
RTU-2	2,975	750	1.00	3.0	208	3	60	82.0	67.0	104 °F	113000	82400	12.2	2	60	180000	146000	81	2	YORK	KJ120N18R2DEEAE1A1	60	70	1325	1-13
RTU-3	3,000	750	1.00	3.0	208	3	60	82.0	67.0	104 °F	113000	82400	12.2	2	60	180000	146000	81	2	YORK	KJ120N18R2DEEAE1A1	60	70	1325	1-13

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. PROVIDE UNIT WITH DISCONNECT SWITCH, HAIL GAURD, AND MOTORIZED OUTSIDE AIR DAMPER.
2. PROVIDE UNIT WITH FACTORY MOUNTED GFCI RECEPTACLE FOR ELECTRICIAN TO WIRE TO SEPARATE CIRCUIT.
3. PROVIDE UNIT WITH LOW AMBIENT CONTROL.
4. PROVIDE UNIT WITH HONEYWELL CONTROLS. REFER TO EARTHSMART CONTROL BID FOR CONTROLS. 1
5. PROVIDE A WATER LEVEL SENSING DEVICE (FLOW SWITCH) IN THE PRIMARY DRAIN PAN. THIS DEVICE SHALL SHUT OFF THE APPLIANCE IN THE EVENT THE PRIMARY DRAIN LINE BECOMES RESTRICTED.
6. PROVIDE LOW LEAK ENTHALPY ECONOMIZER WITH BAROMETRIC RELIEF DAMPER AND POWERED EXHAUST.
7. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ALL ELECTRICAL COSTS IF ALTERNATE UNIT IS PROVIDED WITH GREATER ELECTRICAL CHARACTERISTICS THAN SHOWN.
8. MODULATE OUTSIDE AIR BASED ON DEMAND REPORTED BY CO2 SENSOR.
9. PROVIDE 2" MERV-8 FILTERS.
10. PROVIDE UNIT WITH MODULATING HGRH AND WALL-MOUNTED HUMIDITY SENSOR.
11. PROVIDE WITH HINGED AND TOOL-LESS ACCESS DOORS.
12. PROVIDE WITH FACTORY ROOF CURB SO THAT BOTTOM OF RTU IS A MINIMUM OF 14" ABOVE FINISHED ROOF.
13. PROVIDE FACTORY INSTALLED RETURN DUCT SMOKE DETECTOR WITH REMOTE TEST STATIONS TO BE LOCATED IN OCCUPIED SPACE. INSTALLATION OF REMOTE TEST STATION AND CONNECTION TO FIRE ALARM SYSTEM BY EC.

UNIT HEATER - ELECTRIC

MARK	MINIMUM CAPACITY (BTUH)	KW	NUMBER OF STAGES	CURRENT CHAR.			CFM	MANUFACTURER	MODEL	REMARKS
				V	P	F				
EUH-1	5,000	1.5	1	120	1	60	100	MARLEY	FRC-1512F	1-3

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

FAN

TAG	LOCATION	CFM	EXT. STATIC PRESSURE (IN.W.C.)	MAX RPM	HORSE POWER	CURRENT CHAR			LOCALLY SWITCHED	INTERLOC K WITH	FAN TYPE	DRIVE TYPE	MANUFACTURER	MODEL NUMBER	REMARKS
						V	P	F							
CABINET															
EF-2	T 14	75	0.25	810	0.04	120	1	60	-	LIGHTS	CABINET	DIRECT	COOK	GC-146	1-3
EF-3	T 13	75	0.25	810	0.04	120	1	60	-	LIGHTS	CABINET	DIRECT	COOK	GC-146	1-3
EF-4	-	75	0.25	810	0.04	120	1	60	-	LIGHTS	CABINET	DIRECT	COOK	GC-146	1-3
INLINE															
EF-1	T 4	300	0.25	1100	0.02	120	1	60	-	LIGHTS	INLINE	DIRECT	COOK	090-SQN-D	1-3

GENERAL NOTES:
1. PROVIDE WITH ELECTRONIC SPEED CONTROL MOUNTED ABOVE ACCESSIBLE CEILING.
2. MC SHALL PROVIDE LOW VOLTAGE MOTORIZED DAMPER.
3. PROVIDE UNIT MOUNTED DISCONNECT.

DX FAN/COIL UNIT - HEAT PUMP WITH ELEC HEAT

MARK	FAN							AIR TEMPERATURE (°F)		COOLING				ELEC HEATING					BASIS OF DESIGN				REMARKS
	SUPPLY AIR CFM	OUTSIDE AIR CFM	EXT.STATIC PRESSURE (IN. W.C.)	HORSE POWER	CURRENT CHAR			ENTERING DRY BULB	ENTERING WET BULB	NOM. TOTAL CAPACITY	NOM. SENS. CAPACITY	MINIMUM EER2/ SEER2	NUMBER OF STAGES	ENTERING AIR TEMP.(°F)	MINIMUM CAPACITY (BTUH)	KW	NUMBER OF STAGES	CURRENT CHARAC.			MANUFACTURER	MODEL	MCA	MOCP	
					V	P	F											V	P	F					
FCU-1	1,500	275	0.90	0.75	208	1	60	80.0	67.0	46,000	33,000	14.43/-	2	60.00	45,000	15.00	2	208	1	60	YORK	JHE48D5CG2SS2	80	90	1-4

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 VERTICAL UNIT.

GRILLE

MARK	SERVICE	TYPE	DAMPER	CONSTRUCTION MATERIAL	FINISH COLOR	MANUFACTURER	MODEL NUMBER	DESCRIPTION
EXHAUST AIR								
EG1	EXHAUST AIR	GRILLE	-	STEEL	WHITE	TITUS	50F	EGGCRATE GRILLE WITH CEILING FRAME, 12"X12"
RETURN AIR								
RG1	RETURN AIR	GRILLE	-	STEEL	WHITE	TITUS	PAR	EXPOSED T-BAR CEILING FRAME STYLE WITH A 24"X24" FACE. PERFORATED.
RG2	RETURN AIR	GRILLE	-	STEEL	WHITE	TITUS	350RL	SINGLE DEFLECTION SIDEWALL GRILLE WITH HORIZONTAL FRONT BARS. SURFACE MOUNTED (1)
SUPPLY AIR								
CSD1	SUPPLY AIR	DIFFUSER	-	STEEL	WHITE	TITUS	TDC	SQUARE CEILING DIFFUSER, 24"X24"
CSD2	SUPPLY AIR	DIFFUSER	-	STEEL	WHITE	TITUS	TDC	SQUARE CEILING DIFFUSER 12"X12"
SG1	SUPPLY AIR	GRILLE	-	STEEL	BY ARCH	TITUS	300RL	DOUBLE DEFLECTION SIDEWALL GRILLE WITH HORIZONTAL FRONT BARS. SURFACE MOUNTED (1)

GENERAL NOTES:
1. DAMPERS NOTED AS U.L. SHALL BE A 'U.L.' CLASSIFIED CEILING RADIATION DAMPER WITH THERMAL BLANKET.
2. COORDINATE FINAL AIR DEVICE LOCATION AND FINISH COLOR WITH ARCHITECT.

REMARKS:
1. N/A

LOUVER

MARK	SIZE (HxW)	MINIMUM FREE AREA (SQ. FT.)	CFM	MANUFACTURER	MODEL NO.	LOUVER TYPE	COMMENTS	REMARKS
LV1	16/12	0.2	300	GREENHECK	ESD-403	EXHAUST	DRAINABLE	1-2
LV2	16/12	0.2	225	GREENHECK	AFL-501	EXHAUST	FEMA RATED, DRAINABLE (GREENHECK ESD-403)	1-2
LV3	16/16	0.5	275	GREENHECK	AFL-501	INTAKE	FEMA RATED, DRAINABLE (GREENHECK ESD-403)	1-2
LV4	36/24	2.0	0	GREENHECK	AFL-501	EXHAUST	FEMA RATED, DRAINABLE (GREENHECK ESD-403)	1-2
LV5	36/24	2.0	0	GREENHECK	AFL-501	INTAKE	FEMA RATED, DRAINABLE (GREENHECK ESD-403)	1-2

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

AIR COOLED CONDENSING UNIT

MARK	MIN. TOTAL CAPACITY (BTUH)	OUTDOOR AIR TEMP (°F)	MINIMUM EER2/ SEER2	NOM. HEAT CAPACITY (BTUH)	MIN COP	CURRENT CHAR.			RELATED UNIT MARK	BASIS OF DESIGN				REMARKS
						V	P	F		MANUFACTURER	MODEL	MCA	MOCP	
CU-1	46,000	104	12 / 16	53000.0	3.9	208	1	60	FCU-1	YORK	YH648E2S11	27	45	1-3
CU-2	22,000	104	12.7 / 15.5	0.0	0	208	1	60	FCU-2	YORK	YC424E2S11	13	20	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. M.C. TO PROVIDE DISCONNECT SWITCH. E.C. TO INSTALL DISCONNECT. COORDINATE WITH E.C.
3. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS.

DX FAN/COIL UNIT - COOLING ONLY

MARK	FAN							AIR TEMPERATURE (°F)		COOLING				BASIS OF DESIGN				REMARKS
	SUPPLY AIR CFM	OUTSIDE AIR CFM	EXT.STATIC PRESSURE (IN. W.C.)	HORSE POWER	CURRENT CHAR			ENTERING DRY BULB	ENTERING WET BULB	MIN. TOTAL CAPACITY (BTUH)	MIN. SENS. CAPACITY (BTUH)	MINIMUM EER/ SEER	NUMBER OF STAGES	MANUFACTURER	MODEL	MCA	MOCP	
					V	P	F											
FCU-2	800	0	0.90	0.8	208	1	60	80.0	67.0			12 / 16		YORK	JHE24B5AC2SS2	4	15	1-4

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 VERTICAL UNIT.

AGP
the Abla Griffin Partnership L.L.C.

313 S. E. 5th Street
MOORE, OK. 73160
405.735.3477
AGP@theAGP.net
www.theAGP.net

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DG
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AUGUST 2026
date

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Δ	DESCRIPTION	DATE
1	ADDENDUM #1	09/25/2026

MOORE PUBLIC SCHOOLS

MPS ASC
BOARDROOM
BUILDING

sheet no:

M601

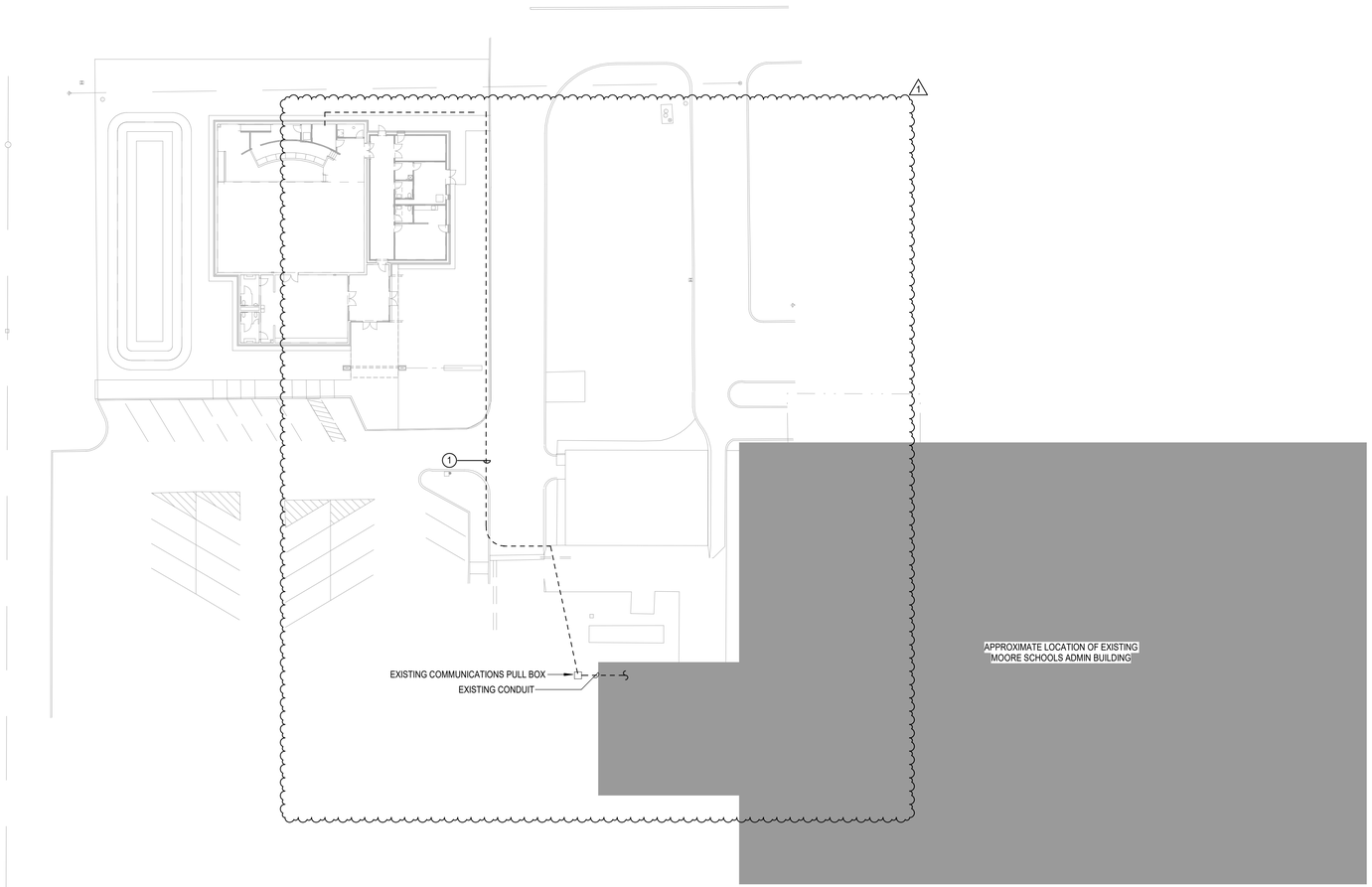
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Salas O'Brien Inc. - Oklahoma City
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Moore, OK. 73160
CA#: 9820 Expiration Date: 06/30/27
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TECHNOLOGY SITE KEYED NOTES

1. LOCATION OF (3) 2" CONDUITS AND FIBER CABLE RAN TO MDF LOCATED ON 2ND FLOOR OF THE EXISTING ADMINISTRATION BUILDING. FIELD COORDINATE EXACT ENTRY POINT INTO THE ADMIN BUILDING AND THE IDF LOCATION WITH OWNER PRIOR TO CONSTRUCTION. COORDINATE EXACT ROUTE WITH ARCHITECT. SEE NETWORK SPECIFICATIONS FOR FIBER CABLING INFORMATION.



N 1 **TECHNOLOGY SITE PLAN**
Scale: 1" = 30'-0"

AGP
the Abla Griffin Partnership L.L.C.

313 S. E. 5th Street
MOORE, OK. 73160
405.735.3477
AGP@theAGP.net
www.theAGP.net

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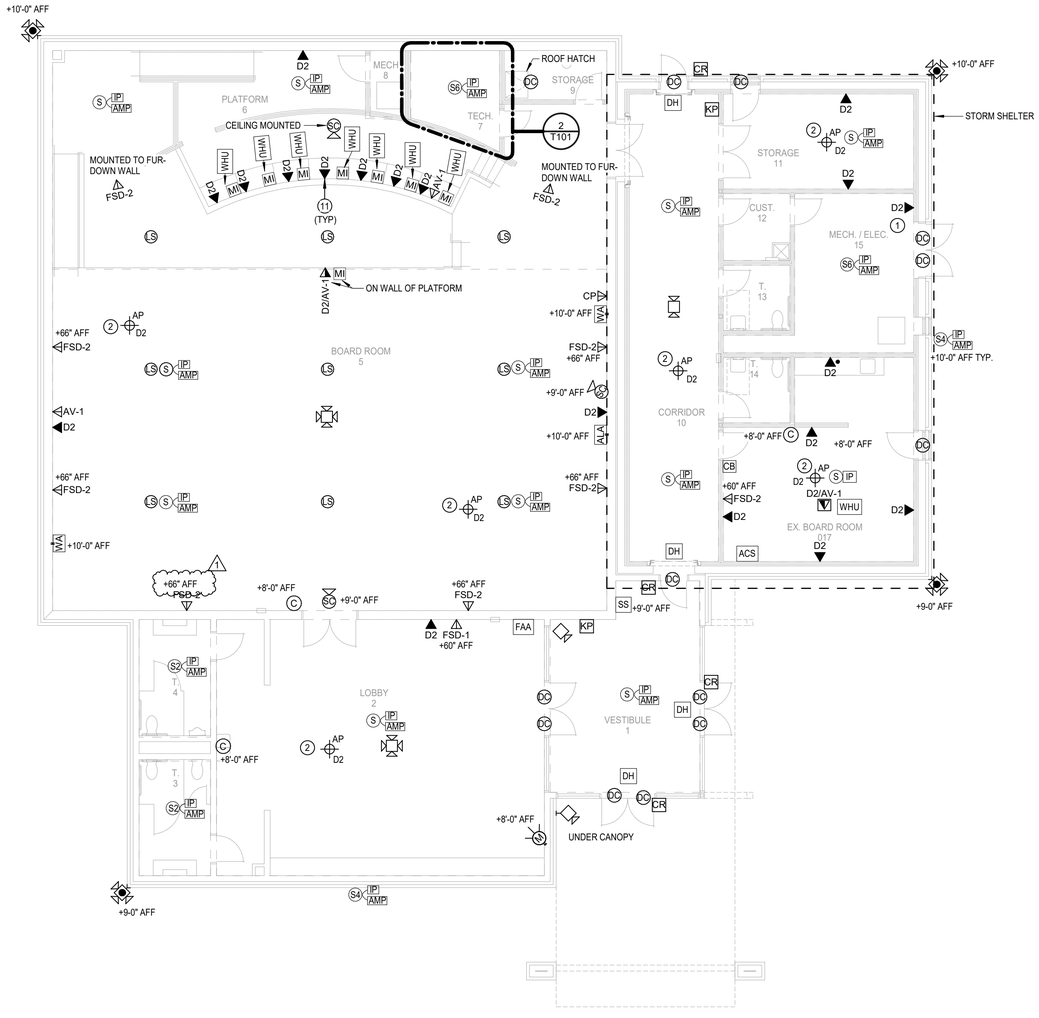
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1 TECHNOLOGY FLOOR PLAN

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

TECHNOLOGY SCS NOTES

A. ALL RACK LOCATIONS SHALL BE COORDINATED WITH THE PROJECT'S TECHNOLOGY CONSULTANT AND OWNER PRIOR TO INSTALLATION. NO RACKS AND/OR ASSOCIATED CABLE TRAY SYSTEM SHALL BE PERMANENTLY INSTALLED PRIOR TO DOCUMENTED ACCEPTANCE.

B. PATCH PANEL QUANTITY SHALL BE DETERMINED BY STATION CABLE DROP COUNTS SHOWN ON TECHNOLOGY PLANS AND THE ASSOCIATED PROJECT MATRIX. ENSURE PATCH PANEL QUANTITY IS SUFFICIENT TO SUPPORT THE NUMBER OF PORTS REQUIRED BY TECHNOLOGY PLANS PLUS AN ADDITIONAL 25% FOR FUTURE GROWTH.

C. CONTRACTOR SHALL NOT EXCEED MORE THAN A 50% RACK FILL RATIO ON ANY RACK.

D. REFERENCE SPECIFICATIONS FOR MATERIALS AND METHODS

ALL RACKS, LADDER TRAYS, LIGHTNING PROTECTION ENCLOSURES AND ANY OTHER DEVICES, PART OF THE STRUCTURED CABLING SYSTEM, SHALL BE GROUNDED TO A GROUND BUS BAR LOCATED IN THE TELECOMMUNICATIONS ROOM WITH A #6AWG GROUND CABLE. DAISY CHAINING WILL NOT BE ACCEPTED. ALL ITEMS SHALL HAVE A DEDICATED GROUND CABLE TO BUS BAR. GROUND CABLE SHALL BE GREEN IN COLOR.

TECHNOLOGY GENERAL NOTES

A. A FIRE ALARM: CONNECT NEW FIRE ALARM DEVICES TO NEW SILENT KNIGHT 6820EVS. SUPPLY 6820EVS PANEL AND ALL NAC PANELS, POWER SUPPLIES, ETC. NEEDED TO MAKE A COMPLETE AND CODE-COMPLIANT SYSTEM. SYSTEM SHALL USE SK PROTOCOL DEVICES ONLY. SEE SPECIFICATIONS FOR APPROVED PART NUMBERS.

B. SECURITY ALARM: CONNECT ALL NEW SECURITY ALARM DEVICES TO NEW DMP SECURITY ALARM PANEL. SUPPLY DMP PANEL AND ALL ZONE EXPANDERS, POWER SUPPLIES, ETC. NEEDED TO MAKE A COMPLETE SYSTEM. SYSTEM SHALL BE WIRED WITH 2 ZONES PER SINGLE DOOR OR DOUBLE DOOR: ONE ZONE FOR SECURITY ALARM AND ONE ZONE FOR DOOR HOLD-OPEN ALERTS. SEE SPECIFICATIONS FOR APPROVED PART NUMBERS.

C. ACCESS CONTROL: CONNECT ALL NEW ACCESS CONTROL DEVICES TO NEW KEYSCAN CONTROLLERS. SUPPLY KEYSCAN CONTROLLERS AND ALL POWER SUPPLIES, READERS, STRIKES, ETC. NEEDED TO FURNISH A COMPLETE SYSTEM. SEE SPECIFICATIONS FOR APPROVED PART NUMBERS.

D. CAMERA: CONNECT ALL NEW CAMERAS TO NEW IDF. CAMERA SYSTEM IS AVIGILON. CONTRACTOR TO PROVIDE DELL AVIGILON SERVER IN MDF ROOM LOCATED ON 2-POST RACK. CONTACT JACK PHILLIPS WITH MOORE PUBLIC SCHOOLS AT 405-473-5225 FOR EXACT CAMERA MOUNTING LOCATIONS AND SPECIFICATIONS. SEE SPECIFICATIONS FOR APPROVED PART NUMBERS.

E. CONNECT NEW DATA, WIFI AND CAMERA DROPS TO NEW IDF. CONNECT NEW IDF TO EXISTING MDF LOCATED ON 2ND FLOOR OF ADMINISTRATION BUILDING VIA FIBER AND CAT 6. COORDINATE EXACT REQUIREMENTS

F. CONTRACTOR SHALL PROVIDE AND INSTALL A COMPLETE AND FUNCTIONAL DAS SYSTEM IN THE STORM SHELTER ROOM. CONTRACTOR SHALL PROVIDE AND INSTALL CEL-FI QUATRA 4000C SYSTEM BY NEXTIVITY.

G. COORDINATE AUDIO/VIDEO SYSTEM FUNCTIONALITY, PROGRAMMING AND ANY ADDITIONAL REQUIREMENTS WITH OWNER PRIOR TO CONSTRUCTION.

H. COORDINATE EXACT DISPLAYS AND AV OUTLET HEIGHTS WITH OWNER PRIOR TO CONSTRUCTION.

I. INTERCOM: INTERCOM DEVICES SHALL BE RAULAND. CONNECT ALL NEW INTERCOM DEVICES TO EXISTING RAULAND TELECENTER U IP. SUPPLY ALL MASTER CONSOLES, AMPLIFIERS, POWER SUPPLIES, MODULES, CALL BUTTONS, CONTROLLER, ETC. NEEDED TO MAKE A COMPLETE SYSTEM. SEE SPECIFICATIONS FOR APPROVED PART NUMBERS.

TECHNOLOGY KEYED NOTES

1. THE DESIGNATED TECHNOLOGY OUTLET IS INTENDED FOR THE BUILDING AUTOMATION SYSTEM (BAS) NETWORK INTERFACE. COORDINATE EXACT MOUNTING LOCATION AND TERMINATIONS WITH THE BAS INSTALLER.
2. WIRELESS ACCESS POINT INTENDED TO PROVIDE CONNECTIVITY TO OWNER FURNISHED AND INSTALLED CENTEGIX GATEWAY.
3. PROVIDE AND INSTALL PLYWOOD AND ALL REQUIRED MOUNTING HARDWARE. PLYWOOD SHALL BE PAINTED WHITE WITH FIRE RETARDANT PAINT. TYPICAL FOR ALL SHOWN ON DRAWING.
4. INDICATES THE LOCATION OF A NEW WALL MOUNTED TELECOMMUNICATION GROUND BUSBAR (TGBB). CABLING CONTRACTOR TO PROVIDE BUSBAR AND ALL REQUIRED MATERIAL TO MOUNT AT THE LOCATION SHOWN. TGBB TO BE MOUNTED AT +93" A.F.F.
5. PROVIDE AND INSTALL ONE (1) 7'X6", FRONT AND REAR MANAGED, VERTICAL CABLE MANAGER (BLACK IN COLOR).
6. PROVIDE AND INSTALL ONE (1) 2-POST, FLOOR MOUNTED, 7' RELAY RACK (BLACK IN CONNECTED LOCATIONS OF THE RACK TO ENSURE THAT ALL PIECES OF THE RACK ARE COMPLETELY BONDED. SCRAPING PAINT FROM RACKS TO MAKE A BOND WILLNOT BE ACCEPTED.
7. PROVIDE AND INSTALL RACK-TO-RUNWAY MOUNTING PLATE FOR ALL LOCATIONS WHEN ASSOCIATED WITH A 2-POST OR 4-POST BACK RACK. MOUNTING PLATE SHALL BE BLACK IN COLOR.
8. INDICATES THE LOCATION OF A 12" LADDER TRAY WALL ANGLE SUPPORT BRACKET, BLACK IN COLOR.
9. PROVIDE AND INSTALL A MINIMUM OF THREE (3) EZ-PATH THRU-WALL PENETRATION SLEEVES WITH MULTI-GANG WALLPLATE BRACKET SYSTEM AT INDICATED LOCATION. PROVIDE ADDITIONAL AS REQUIRED TO MAINTAIN A MAXIMUM OF 40% FILL RATIO, PLUS ONE (1) ADDITIONAL FOR SPARE.
10. LOCATION OF (3) 2" CONDUITS RAN TO MDF LOCATED ON 2ND FLOOR OF THE EXISTING ADMINISTRATION BUILDING. SEE NETWORK SPECIFICATIONS FOR FIBER AND CAT 6 CABLING SPECIFICATIONS.
11. ALL BOARD MEMBERS DATA DROPS SHALL BE UNDERNEATH COUNTER.

ACTIVE DAS HYBRID SYSTEM NOTE

A. CONTRACTOR TO PROVIDE AND INSTALL A COMPLETE AND FUNCTIONING DAS SYSTEM IN THE STORM SHELTER PORTION OF THE BUILDING.

B. CONTRACTOR SHALL PROVIDE AND INSTALL A CEL-FI QUATRA 4000c SYSTEM BY NEXTIVITY.

C. REFERENCE SHEET SPECIFICATIONS FOR PRODUCTS, INSTALLATION INSTRUCTIONS AND ADDITIONAL INFORMATION.

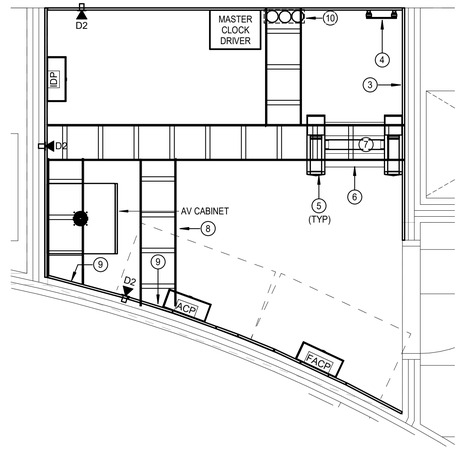
SAFEROOM NOTES

PER ICC 500-2014, 309.1:

PENETRATIONS THROUGH THE STORM SHELTER ENVELOPE THAT ARE LARGER THAN:

3.5" SQUARE INCHES IN AREA FOR RECTANGULAR OPENINGS, OR
2 1/16" IN DIAMETER

SHALL BE CONSIDERED AN OPENING AND SHALL BE PROVIDED WITH AN OPENING PROTECTIVE DEVICE (SHROUD). REFERENCE STRUCTURAL DRAWINGS FOR A SAMPLE SHROUD DETAIL. THIS INCLUDES PENETRATIONS FOR BUNDLES OF CONDUIT.



2 TECHNOLOGY ENLARGED PLAN - TECH 7

Scale: 1/2" = 1'-0"

AGP
the Abla Griffin Partnership L.L.C.

313 S. E. 5th Street
MOORE, OK. 73160
405.735.3477
AGP@theAGP.net
www.theAGP.net

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MOORE PUBLIC SCHOOLS

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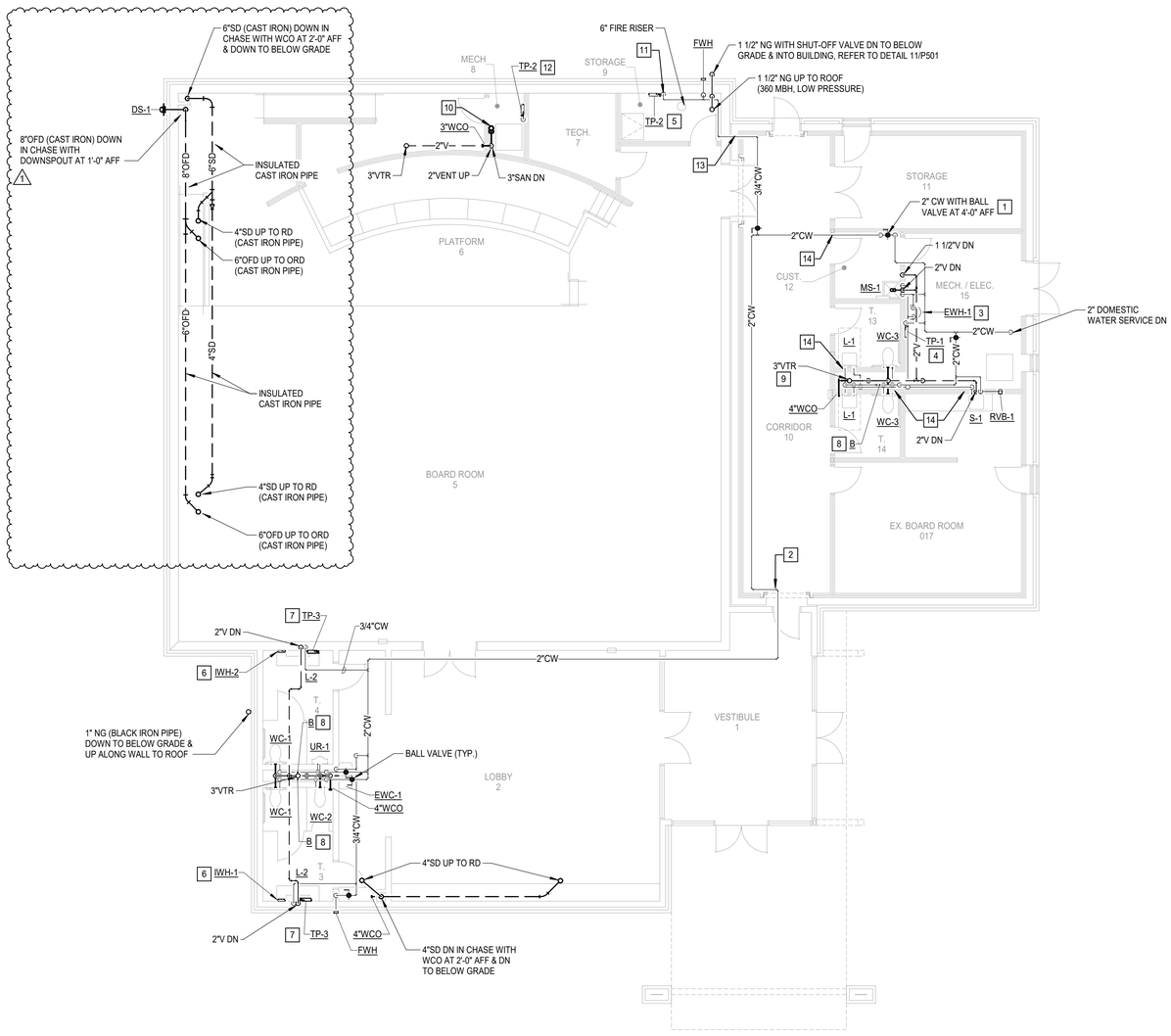
Salas O'Brien

Salas O'Brien Inc. - Oklahoma City
2900 S. Telephone Road, Suite 120
Moore, OK 73160
CA#: 9820 Expiration Date: 06/30/27

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N 1 **PLUMBING PLAN - ABOVE GRADE**
Scale: 1/8" = 1'-0"

GENERAL NOTES

1. COORDINATE WORK WITH ALL OTHER TRADES ON SITE.
2. FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
3. PROVIDE WATER HAMMER ARRESTORS (HA) ON WATER LINES TO FLUSH VALVES, SENSOR FAUCETS AND QUICK CLOSING VALVES. LOCATE UNITS IN ACCESSIBLE LOCATIONS.
4. SINK AND LAVATORY WATER SUPPLY STUB OUTS SHALL BE COPPER PIPE WITH SUPPORT BRACKET FASTENED IN WALL CAVITY.
5. REFER TO PLUMBING FIXTURE SCHEDULE ON SHEET P601 FOR FIXTURE ROUGH-IN PIPE SIZES. REFER TO ISOMETRIC SHEET P301 FOR ADDITIONAL PIPE SIZES.
6. PROVIDE ACCESS PANELS FOR ALL VALVES/DEVICES ABOVE HARD CEILINGS AND BEHIND WALLS. INSTALLING CONTRACTOR TO COORDINATE EXACT LOCATION OF VALVES AND ACCESS PANELS WITH ARCHITECT PRIOR TO INSTALLATION OF PIPING.
7. ALL GAS PIPE SHALL COMPLY WITH IFGC. BRANCH LINES SHALL TAP OFF TOP OF GAS MAINS AND INSTALL SHUT-OFF VALVE ON BRANCH LINE.
8. TRAP PRIMER LINES SHALL BE COPPER TYPE "K" OR PEX-a TUBING WITH CONTINUOUS SLOPE TOWARDS DRAIN CONNECTION.
9. COORDINATE HEIGHT OF EXTERIOR FREEZELESS WALL HYDRANT (FWH) WITH GC AND/OR ARCHITECT. SEAL FIXTURE FLANGE WATERTIGHT.
10. FIRE SEAL ALL PENETRATIONS THRU RATED STRUCTURES TO MAINTAIN FIRE RATING.
11. INSULATE ALL WATER PIPING ABOVE CEILING.
12. CONTRACTOR SHALL COORDINATE ALL STORM SHELTER WALL AND ROOF PENETRATIONS WITH STRUCTURAL. REFER TO STRUCTURAL DETAIL SHEET FOR PENETRATION PROTECTION FOR RECTANGULAR OPENINGS GREATER THAN 3.5 SQUARE INCHES AND CIRCULAR OPENINGS GREATER THAN 2.125 INCHES PER 2014 ICC-500.

PLUMBING KEYED NOTES

1	INSTALL BALL VALVE AT WALL FOR SHUTTING OFF WATER TO NON-SHELTERED SPACES. PROVIDE SIGN ON WALL FOR WATER SHUT-OFF.
2	COORDINATE WITH STRUCTURAL FOR PIPE ROUTING THRU DEBRIS GUARD AT SHELTER WALL. GUARD PROVIDED BY STRUCTURAL. FIRE SEAL PIPE PENETRATION THRU RATED WALL.
3	INSTALL WATER HEATER ON WALL SUPPORT PLATFORM. REFER TO DETAIL 9/P501.
4	INSTALL TRAP PRIMER ASSEMBLY ON WALL AT 4'-0" AFF. FIELD VERIFY HEIGHT TO ROUTE LINES ABOVE FLOOR TO NEAREST WALL THEN DOWN TO BELOW FLOOR. ROUTE 4 TRAP PRIMER LINES (1/2" EACH) TO FLOOR DRAINS IN ROOMS 12,13, 14 AND 15. COORDINATE POWER WITH EC. REFER TO DETAIL 5/P501.
5	INSTALL TRAP PRIMER ASSEMBLY ON WALL AT 4'-0" AFF. ROUTE 1 TRAP PRIMER LINE (1/2" EACH) TO FLOOR DRAIN IN STORAGE ROOM 09. COORDINATE POWER WITH EC. REFER TO DETAIL 5/P501.
6	INSTALL WATER HEATER BELOW LAVATORY DECK IN ACCESSIBLE LOCATION. COORDINATE POWER WITH EC. REFER TO DETAIL 6/P501.
7	INSTALL TRAP PRIMER VALVE AT CW SUPPLY IN LAVATORY CABINET. ROUTE 1/2" TRAP PRIMER LINE DOWN IN WALL TO BELOW FLOOR TO FLOOR DRAIN. REFER TO DETAIL 1/P501 & 6/P501.
8	INSTALL WATER HAMMER ARRESTOR TYPE "B" ON CW PIPE
9	COORDINATE WITH STRUCTURAL FOR DEBRIS GUARD AT 3" VENT THRU SHELTER ROOF.
10	INSTALL 2" OPEN SITE DRAIN FOR FCU-2 CONDENSATE DRAIN LINES. COORDINATE LOCATION AND HEIGHT WITH MC AND RAISED FLOOR.
11	ROUTE 1/2" CW DOWN ALONG WALL. PROVIDE 1/2" CW BRANCH TO TRAP PRIMER TP-2. EXTEND 1/2" CW DOWN WITH BALL VALVE TO BELOW FLOOR TO SERVE TRAP PRIMER IN MECH ROOM 8.
12	ROUTE 1/2" CW UP FROM BELOW FLOOR TO TRAP PRIMER TP-2 ON WALL AT 8'-0"AFF. ROUTE 1/2" LINE FROM UNIT OVER TO OPEN SITE DRAIN. COORDINATE INSTALLATION WITH MC AND POWER WITH EC.
13	COORDINATE WITH GC FOR ROUTING CW PIPE THRU SHELTER WALL. FIRE SEAL PIPE PENETRATION THRU RATED WALL.
14	FIRE SEAL PIPE PENETRATION OF RATED WALL. REFER TO ARCHITECTURAL PLANS FOR ALL RATED WALLS.

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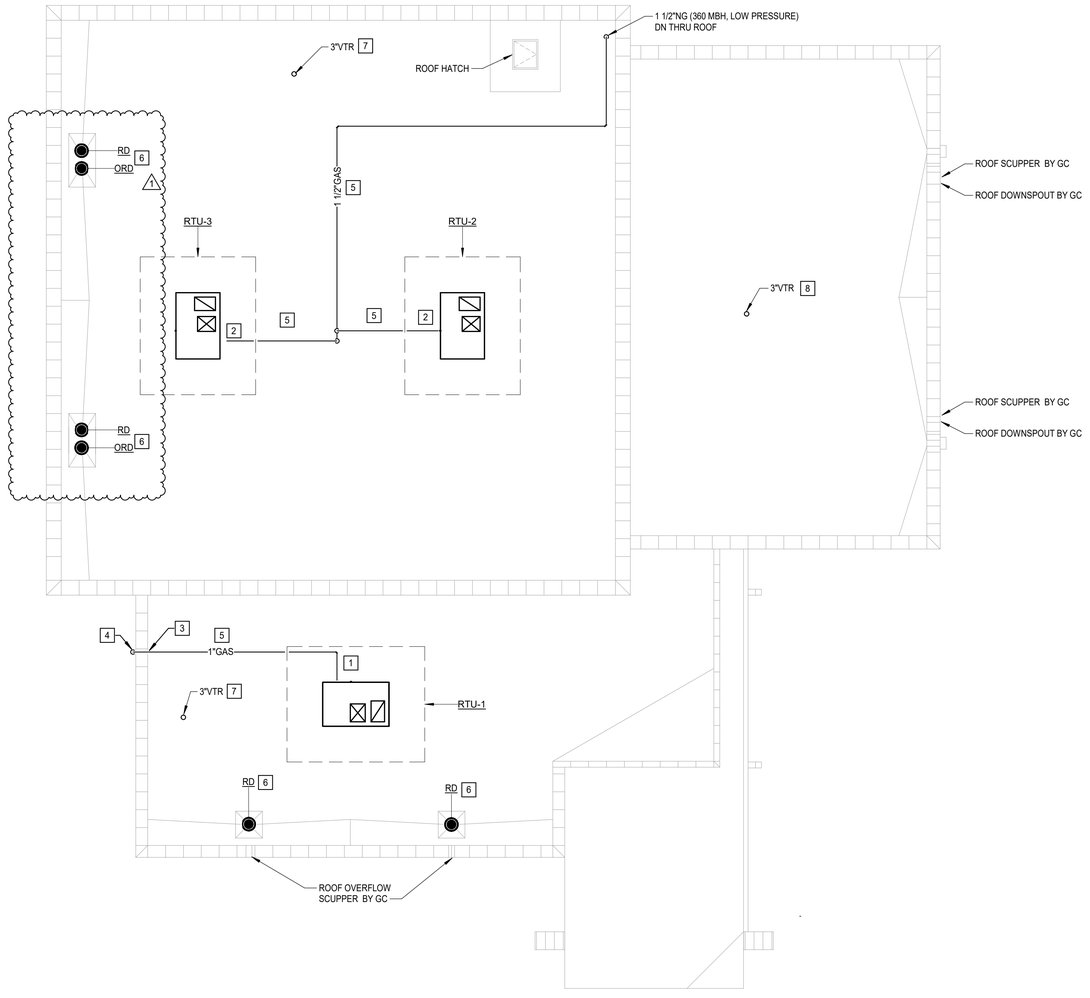
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GENERAL NOTES

1. COORDINATE WORK WITH ALL OTHER TRADES ON SITE.
2. FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
3. MAINTAIN A MINIMUM OF 10'-0" CLEAR BETWEEN EXHAUST AND INTAKE VENTS WITH MECHANICAL EQUIPMENT AND OTHER ROOF OPENINGS.
4. ALL EXTERIOR ABOVE GRADE NATURAL GAS PIPING SHALL BE CLEANED AND DEGREASED PRIOR TO BEING PRIMED AND PAINTED YELLOW WITH WEATHER RESISTANT ZINC RICH PAINT.
5. ALL GAS PIPING SHALL COMPLY WITH INTERNATIONAL FUEL GAS CODE AND LOCAL CODES. BRANCH LINES SHALL TAP OFF TOP OF GAS MAINS AND INSTALL SHUT-OFF VALVE ON BRANCH LINE.
6. GAS PIPE IDENTIFICATION SHALL BE THE WORDS "NATURAL GAS" IN BLACK LETTERS AT 5'-0" INTERVALS USING PLASTIC PIPE MARKERS OR STENCILED PAINTED LETTERS.
7. CONTRACTOR SHALL COORDINATE ALL STORM SHELTER WALL AND ROOF PENETRATIONS WITH STRUCTURAL. REFER TO STRUCTURAL DETAIL SHEET FOR PENETRATION PROTECTION FOR RECTANGULAR OPENINGS GREATER THAN 3.5 SQUARE INCHES AND CIRCULAR OPENINGS GREATER THAN 2.125 INCHES PER 2014 ICC-500.

PLUMBING KEYED NOTES

1	INSTALL 3/4" NATURAL GAS (80 MBH, LOW PRESSURE) TO ROOFTOP UNIT. PROVIDE SHUT-OFF VALVE, DIRT LEG, PRESSURE REGULATOR IF REQUIRED, UNION AND FINAL UNIT CONNECTION. ROUGH-IN AND COORDINATE FINAL CONNECTION WITH MC. SEE DETAIL 8/P501.
2	INSTALL 1 1/4" NATURAL GAS (180 MBH, LOW PRESSURE) TO ROOFTOP UNIT. PROVIDE SHUT-OFF VALVE, DIRT LEG, PRESSURE REGULATOR IF REQUIRED, UNION AND FINAL UNIT CONNECTION. ROUGH-IN AND COORDINATE FINAL CONNECTION WITH MC. SEE DETAIL 8/P501.
3	COORDINATE WITH GC FOR ROUTING NATURAL GAS PIPE OVEROR THRU ROOF PARAPET AND DOWN ALONG WALL.
4	PROVIDE PIPE SUPPORTS FOR VERTICAL PIPE FROM ROOF DOWN TO GRADE.
5	ROUTE NATURAL GAS PIPE (LOW PRESSURE) ON ROOF. PROVIDE MIRO INDUSTRIES MODEL 3-RAH-8 ROOF TOP PIPE SUPPORTS OR EQUAL. INSTALL AT MAXIMUM OF 10'-0" APART ON ALL 1 1/4" GAS PIPE OR LARGER. INSTALL AT 8'-0" APART OF 1" OR 3/4" GAS PIPE. REFER TO GENERAL NOTES FOR PAINTING OF GAS PIPE. REFER TO PIPE SUPPORT DETAIL 10/P501.
6	COORDINATE WITH STRUCTURAL AND ROOFING CONTRACTORS FOR INSTALLATION OF ROOF DRAIN.
7	COORDINATE WITH ROOFING CONTRACTOR FOR INSTALLATION OF PLUMBING VENT THRU ROOF. MAINTAIN AT LEAST 10'-0" CLEAR TO EQUIPMENT, ROOF OPENINGS AND SUPPLY AIR INTAKES.
8	COORDINATE WITH STRUCTURAL AND ROOFING CONTRACTOR FOR INSTALLATION OF PLUMBING VENT THRU SHELTER ROOF WITH DEBRIS GUARD. MAINTAIN AT LEAST 10'-0" CLEAR TO EQUIPMENT, ROOF OPENINGS AND SUPPLY AIR INTAKES.

N 1 **PLUMBING ROOF PLAN**
Scale: 1/8" = 1'-0"

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INSTANTANEOUS WATER HEATER SCHEDULE

MARK	BASIS OF DESIGN		WH TEMPERATURE RISE PER 1.0 GPM	WH OUTPUT WATER TEMPERATURE	ELECTRICAL CHARACTERISTICS				REMARKS
	MANUFACTURER	MODEL			V	P	KW	MCA	
IWH-1	CHRONOMITE	CM-40L-208	57 °F	104 °F	208	1	8	40	ALL
IWH-2	CHRONOMITE	CM-40L-208	57 °F	104 °F	208	1	8	40	ALL

1. COORDINATE POWER WITH EC.
2. LOCATE HEATER UNDER LAVATORY DECK IN ACCESSIBLE LOCATION.
3. COORDINATE WITH OWNER FOR OUTLET TEMPERATURE.
4. WATER HEATERS TO BE INSTALLED PER MANUFACTURERS INSTALLATION INSTRUCTIONS.

ELECTRIC WATER HEATER SCHEDULE

MARK	BASIS OF DESIGN		STORAGE CAPACITY	KW	WH GALS. PER HR. RECOVERY RATE 70°F RISE	STORED WATER TEMP	ELECTRICAL CHAR.				REMARKS
	MANUFACTURER	MODEL					V	P	MCA	MOCP	
EWH-1	A.O. SMITH	DEL-30	30 GAL	4.5	25	120	208	1	30	35	ALL

1. IF THE MAXIMUM FUSE SIZE OF THE EQUIPMENT PROVIDED EXCEEDS THE SPECIFIED AMOUNT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ADDITIONAL COSTS RELATED TO INCREASED FUSE SIZE / WIRE SIZE.
2. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE AMTROL ST-5 THERMAL EXPANSION TANK ON COLD WATER LINE TO HEATER, SUPPORT TANK FROM STRUCTURE.
4. PROVIDE WATER HEATER SUPPORT PLATFORM. HOLDRITE MODEL 50-SWHP-W OR EQUAL.
5. COORDINATE POWER WITH EC.
6. SEE DETAIL FOR ADDITIONAL INFORMATION.

WATER HAMMER ARRESTOR SCHEDULE

MARK	WFU QTY.	CHAMBER LENGTH	SWEAT CONNECTION
B	12-32	11 3/4"	3/4"

GAS LOAD TABLE

MARK	INPUT (MBH)	REQUIRED PRESSURE	REQUIRED REGULATOR	SYSTEM PRESSURE	NOTES
RTU-1	80 MBH	7"	NONE	LOW PRESSURE	ALL
RTU-2	180 MBH	7"	NONE	LOW PRESSURE	ALL
RTU-3	180 MBH	7"	NONE	LOW PRESSURE	ALL
TOTAL MBH:	440 MBH				

NOTES:

1. INSTALL AND VENT REGULATOR IF REQUIRED PER MANUFACTURER'S RECOMMENDATIONS.
2. COORDINATE WITH MECHANICAL CONTRACTOR FOR EQUIPMENT LOCATIONS AND REQUIRED CONNECTION.
3. GAS SYSTEM DESIGN FOR INITIAL METER OUTLET PRESSURE OF LOW PRESSURE WITH PRESSURE DROP OF 3" WATER COLUMN AND TOTAL LENGTH OF 600 FEET.

PLUMBING FIXTURE SCHEDULE

MARK	MANUFACTURER	MODEL	MOUNTING TYPE	CW	HW	SAN	VENT	FIXTURE DESCRIPTION
DRAINAGE FIXTURE (FD, FS, HD, TD)								
3"DGCO	ZURN	Z1474-N-VP	GRADE			3"		CAST IRON CLEANOUT ACCESS HOUSING, ANCHOR FLANGE, SECURE GASKETED COVER WITH CLEANOUT FERRULE WITH ABS PLUG. VANDAL PROOF COVER SCREWS.
3"WCO	ZURN	Z1446-VP	WALL			3"		CAST IRON CLEANOUT TEE, THREAD ABS PLUG, STAINLESS STEEL ROUND ACCESS COVER WITH VANDAL RESISTANT SECURING SCREW.
4"DGCO	ZURN	Z1474-N-VP	GRADE			4"		CAST IRON CLEANOUT ACCESS HOUSING, ANCHOR FLANGE, SECURE GASKETED COVER WITH CLEANOUT FERRULE WITH ABS PLUG. VANDAL PROOF COVER SCREWS.
4"FCO	ZURN	ZN1400-BZ-K-VP	FLOOR			4"		FLOOR CLEANOUT: CAST IRON BODY, ANCHOR FLANGE, ABS THREAD PLUG AND ADJUSTABLE TOP ASSEMBLY WITH GASKET SEAL, 6" ROUND SCORIATED NICKEL BRONZE COVER WITH VANDAL-PROOF SCREWS.
4"WCO	ZURN	Z1446-VP	WALL			4"		CAST IRON CLEANOUT TEE, THREAD ABS PLUG, STAINLESS STEEL ROUND ACCESS COVER WITH VANDAL RESISTANT SECURING SCREW.
FD	ZURN	ZN415-BZ1-P-VP	FLOOR			3"		6" ROUND NICKEL BRONZE STRAINER, CAST IRON BODY ANCHOR FLANGE, CLAMP COLLAR, ADJUSTABLE COLLAR, ADJUSTABLE STRAINER HEIGHT, VANDAL-PROOF SECURED TOP, 1/2" TRAP PRIMER CONNECTION. SEE DETAIL 1/P501.
DRINKING FOUNTAIN (EDF)								
EWC-1	ELKAY	LZSTL8WSSK	WALL	1/2"		2"	1 1/2"	DUAL LEVEL VANDAL- RESISTANT WITH PUSH BUTTON ACTIVATION, SENSOR WATER BOTTLE FILLING STATION ON LOWER UNIT, FILTERED, 120 VOLT, PROVIDE ELKAY CANE APRON LKAPREZL ON UPPER UNIT. PROVIDE PVC P-TRAP AND 1/4 TURN SUPPLY STOP. REFER TO ARCHITECT'S PLANS FOR MOUNTING HEIGHT & WALL TYPE. ADA INSTALLATION.
FIXTURES								
RVB-1	SIOUX CHIEF	696G1010WF	WALL	1/2"				REFRIGERATOR VALVE BOX: FIRE RATED, ABS WITH WHITE FINISH, 1/2" CONNECTION, INTEGRAL BALL VALVE WITH WATER HAMMER ARRESTOR, 1/4" THREADED OUTLET CONNECTION. ROUGH-IN: COORDINATE INSTALL HEIGHT WITH EQUIPMENT CONNECTION.
HYDRANTS (HB, RH, WH)								
FWH	WOODFORD	B65	WALL	3/4"				FREEZELESS WALL HYDRANT: CONCEALED BOX TYPE WITH LOCKABLE HINGE DOOR, CHROME FINISH, ASSE 1019-B, ANIT-SIPHON VACUUM BREAKER ASSE 1011, 3/4" THREADED HOSE OUTLET, 3/4" INLET. COORDINATE INLET PIPE WITH WALL THICKNESS. ROUGH-IN: COORDINATE WITH ARCHITECTURAL PLANS FOR LOCATIONS AND MOUNTING HEIGHT.
MOP SINK (MS)								
MS-1	FIAT	TSB-3010	FLOOR	1/2"	1/2"	3"	2"	ONE-PIECE, PRECAST TERRAZZO, 24" x 24" x 12" WITH 6" DROP FRONT WITH STAINLESS STEEL THRESHOLD. FAUCET: T&S BRASS B-0665-BSTR. ASSE 1011 APPROVED HOSE CONNECTION VACUUM BREAKER, WATTS LF8A OR APPROVED EQUAL. PROVIDE 832AA HOSE & BRACKET. 889-CC MOP BRACKET, MSG 2424SS WALL GUARDS.
ROOF DRAINAGE FIXTURE (DN, RD, OFD)								
DS-1	ZURN	Z199	WALL			8"		OVERFLOW DOWNSPOUT NOZZLE: CAST BRONZE WITH THREADED OR NO HUB OUTLET AND FLANGE TO SECURE NOZZLE TO WALL. INSTALL AT 12" ABOVE FINISHED SLAB OR AS DIRECTED BY ARCHITECT. ROUGH-IN: .
ORD	ZURN	ZC100-EA-W2	ROOF			6"		OVERFLOW ROOF DRAIN: CAST IRON BODY WITH FLANGE, FLASHING RING WITH GRAVEL STOP, CAST IRON DOME, 2" HIGH WATER DAM, UNDERDECK CLAMP AND ADJUSTABLE EXTENSION AS REQUIRED FOR ROOF CONSTRUCTION. ROUGH-IN: COORDINATE INSTALLATION WITH ROOFING CONTRACTOR.
RD	ZURN	ZC100-EA	ROOF			4"		PRIMARY ROOF DRAIN: CAST IRON BODY WITH FLANGE, FLASHING RING WITH GRAVEL STOP, CAST IRON DOME, UNDERDECK CLAMP AND ADJUSTABLE EXTENSION AS REQUIRED FOR ROOF CONSTRUCTION. ROUGH-IN: COORDINATE INSTALLATION WITH ROOFING CONTRACTOR.
SINKS/LAVATORIES (L, SK)								
L-1	AMERICAN STANDARD	0356.041	WALL	1/2"	1/2"	2"	2"	SINGLE BOWL, COLOR WHITE, WALL MOUNTED, VITREOUS CHINA, 4" CENTER SET FAUCET HOLES. FAUCET: MANUAL, SINGLE HANDLE, CHICAGO FAUCET 420-ABCP. STRAINER & P-TRAP: MCGUIRE HD155A GRID STRAINER, 8902C P-TRAP. SUPPLIES: MCGUIRE LFBV2165CC 1/4 TURN SUPPLY STOPS. INSTALL THERMOSTATIC MIXING VALVE WATTS LFUSG-B-M3 BELOW FIXTURE. ACCESSORIES: TRUEBRO LAV GUARD2 PIPE COVERS. ZURN WALL CARRIER. REFER TO ARCHITECT'S PLANS FOR HEIGHT AND WALL TYPE. FIXTURE LOCATED IN STORM SHELTER.
L-2	BRADLEY	VERGE LVRD2	WALL	1/2"	1/2"	2"	2"	2-STATION LAVATORY, NO SOAP DISPENSER, 2 FAUCETS. THERMOSTATIC MIXING ASSEMBLY, STAINLESS STEEL ACCESS PANEL, PVC P-TRAP, AC POWER. ALL AVAILABLE COLORS FOR SELECTION BY ARCHITECT. PROVIDE QUARTER TURN LEAD-FREE, FLEXIBLE SUPPLY LINES AND SUPPLY STOPS. MCGUIRE LFBV2165. FAUCETS: BRADLEY S53-3300 METRO SERIES WITH AC PLUG-IN ADAPTER WITH BATTERY BACKUP, SENSOR OPERATED, CHROME FINISH, FLOW ACTIVATION 0.35 GPM
S-1	ELKAY	LRAD1919602	COUNTERTOP	1/2"	1/2"	2"	2"	SINGLE BOWL 6" DEEP, 2 FAUCET HOLES, REAR CENTER DRAIN. PROVIDE ELKAY LKD35 DRAIN & ELKAY LK4060N0874 FAUCET, MCGUIRE 8912 P-TRAP & LFBV2165 SUPPLY STOPS. INSTALL THERMOSTATIC MIXING VALVE (TMV-1) UNDER SINK.
TRAP PRIMER (TP-2)								
TP-1	SIOUX CHIEF	695-ES05	WALL	1/2"				TRAP PRIMER ASSEMBLY: SURFACE MOUNT BOX, ELECTRIC UNIT WITH 24 HOUR ELECTIC TIMER, SOLENOID VALVE, INTEGRAL BALL VALVE, WATER HAMMER ARRESTOR & AIR GAP, 1/2" CW INLET & 5 OUTLET, 120 V POWER HARD-WIRED, COORDINATE WITH EC. PROVIDE STRAINER PRIOR TO UNIT INSTALL: FIELD VERIFY MOUNTING HEIGHT ON WALL FOR DISCHARGE LINES ROUTED ABOVE CEILING AND DOWN IN WALL TO FLOOR DRAIN.
TP-2	SIOUX CHIEF	695-ES01	WALL	1/2"				TRAP PRIMER: SURFACE MOUNT, ELECTRIC UNIT WITH 24 HOUR ELECTIC TIMER, SOLENOID VALVE, INTEGRAL BALL VALVE, WATER HAMMER ARRESTOR & AIR GAP, 1/2" CW INLET & OUTLET, 120 V POWER HARD-WIRED, COORDINATE WITH EC, PROVIDE STRAINER PRIOR TO UNIT INSTALL: PROVIDE DISTRIBUTION UNIT TO SERVE TWO FLOOR DRAINS.
TP-3	PPP	PRO1-ULP500	WALL	1/2"				TRAP PRIMER: UNDER LAVATORY, CW SHUT-OFF VALVE, 1/2" TRAP PRIMER LINE, 3/8" OUTLET TO FIXTURE. LOCATED TRAP PRIMER OUTLET MINIUM OF 12" ABOVE FLOOR. INSTALL: MOUNT IN LAVATORY (L-2) CABINET, SERVES ONE FLOOR DRAIN.
URINAL (U)								
UR-1	AMERICAN STANDARD	6560.001	WALL	3/4"		2"	2"	FIXTURE COLOR WHITE, WALL MOUNTED, VITREOUS CHINA, TOP SPUD, FLUSH VALVE: SLOAN ROYAL 186-ESS-0.5-CP-TMO-24V (0.5 GPF) SENSOR OPERATED, HARDWIRED, TRUE MECHANICAL OVERRIDE, CHROME FINISH. ZURN NARROW WALL CARRIER. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL PLANS. ADA INSTALLATION. COORDINATE POWER FROM TRANSFORMER SERVING WATER CLOSET.
WATER CLOSET (WC)								
WC-1	AMERICAN STANDARD	2257.101	WALL	1 1/4"		3"	2"	FIXTURE COLOR WHITE, WALL MOUNTED, VITREOUS CHINA, TOP SPUD. ADA INSTALLATION. FLUSH VALVE: SLOAN ROYAL 111-ESS-1.6-CP-TMO-HW-24V, SENSOR OPERATED, HARDWIRED, CHROME FINISH, TRUE MECHANICAL OVERRIDE. TRANSFORMER SLOAN EL-154. SEAT: BEMIS 1655SSCT OPEN FRONT ELONGATED SEAT, EXTERNAL CHECK HINGE, COLOR WHITE. ZURN NARROW WALL VERTICAL CARRIER. REFER TO ARCHITECT'S PLANS FOR HEIGHT AND WALL TYPE. ADA INSTALLATION. COORDINATE POWER WITH EC.
WC-2	AMERICAN STANDARD	2257.101	WALL	1 1/4"		3"	2"	FIXTURE COLOR WHITE, WALL MOUNTED, VITREOUS CHINA, TOP SPUD. FLUSH VALVE: SLOAN ROYAL 111-ESS-1.6-CP-TMO-HW-24V, SENSOR OPERATED, HARDWIRED, CHROME FINISH, TRUE MECHANICAL OVERRIDE. TRANSFORMER SLOAN EL-154. SEAT: BEMIS 1655SSCT OPEN FRONT ELONGATED SEAT, EXTERNAL CHECK HINGE, COLOR WHITE. ZURN NARROW WALL VERTICAL CARRIER. REFER TO ARCHITECT'S PLANS FOR HEIGHT AND WALL TYPE. COORDINATE POWER WITH EC.
WC-3	AMERICAN STANDARD	2257.101	WALL	1 1/4"		3"	2"	FIXTURE COLOR WHITE, WALL MOUNTED, VITREOUS CHINA, TOP SPUD. ADA INSTALLATION. FLUSH VALVE: SLOAN ROYAL 111-1.6 SFSM BATTERY OPERATED, CHROME FINISH. SEAT: BEMIS 1655SSCT OPEN FRONT ELONGATED SEAT, EXTERNAL CHECK HINGE, COLOR WHITE. ZURN NARROW WALL CARRIER. REFER TO ARCHITECT'S PLANS FOR HEIGHT AND WALL TYPE. ADA INSTALLATION. FIXTURE LOCATED IN STORM SHELTER.

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MOORE, OK. 73160
405.735.3477
AGP@theAGP.net
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AUGUST 2026
date

REVISIONS

Δ	DESCRIPTION	DATE
1	ADDENDUM #1	09/25/2026

MOORE PUBLIC SCHOOLS

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BUILDING

sheet no:

P601

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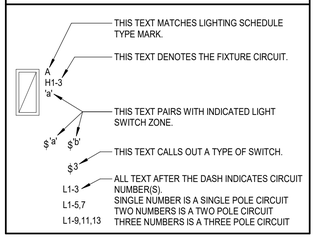
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SYMBOL SCHEDULE

SYMBOL	DESCRIPTION (DISREGARD ITEMS NOT SHOWN ON PLANS)
GENERAL	
(#)	KEYNOTES
(#)	KITCHEN EQUIPMENT ID TAG
#/#	REVISION TAG
LIGHTING (LETTER DENOTES TYPE - SEE LIGHT FIXTURE SCHEDULE)	
	LIGHT FIXTURE
	FIXTURE ON EMERGENCY CIRCUIT OR BATTERY BACK-UP
	DOWNLIGHT FIXTURE
	LIGHT FIXTURE - WALL MOUNTED
	DOWNLIGHT FIXTURE ON EMERGENCY CIRCUIT
	LIGHT FIXTURE - WALL MOUNTED ON EMERGENCY CIRCUIT
	EXIT LIGHT-CEILING MTD WITH DIRECTIONAL ARROWS AS REQUIRED
	EXIT LIGHT-WALL MTD WITH DIRECTIONAL ARROWS AS REQUIRED
SWITCHES	
$	SINGLE POLE SWITCH
$2	2-POLE SWITCH
$3	3-WAY SWITCH
$4	4-WAY SWITCH
$K	KEYED SWITCH
$3K	KEYED 3-WAY SWITCH
$D	WALL DIMMER SWITCH, SIZE AND TYPE AS REQUIRED
$VD	WALL MOUNTED DIMMER SWITCH WITH VACANCY SENSOR. MANUAL ON / AUTO OFF.
$V	WALL MOUNTED SWITCH WITH VACANCY SENSOR. MANUAL ON / AUTO OFF.
$OC	WALL MOUNTED SWITCH WITH VACANCY SENSOR. AUTO ON / AUTO OFF.
$P	SWITCH WITH PILOT LIGHT
$MC	MOMENTARY CONTACT SWITCH
(P)	PUSH BUTTON
$TH	6-HOUR TIMER SWITCH WITH HOLD
$T	6-HOUR TIMER SWITCH WITH NO HOLD
(G)	20 AMP GENERATOR TRANSFER DEVICE
$WS	WIRELESS SWITCH
LOW VOLTAGE LIGHTING CONTROLS	
$R	LOW VOLTAGE LIGHTING CONTROLLER WALL SWITCH
$B	BMCS TIMER LOCAL OVERRIDE SWITCH
(P)	CEILING MOUNTED PHOTO SENSOR
(V)	CEILING MOUNTED VACANCY SENSOR, MANUAL ON / AUTO OFF
(S)	CEILING MOUNTED OCCUPANCY SENSOR, AUTO ON / AUTO OFF
(R)	LIGHTING CONTROLLER WITH GTD. ZONES AS REQUIRED.
RECEPTACLES AND OUTLETS	
	SIMPLEX RECEPTACLE
	DUPLEX RECEPTACLE
	POWER POLE
	125/250 VOLT, 1 PHASE, 3-WIRE, 20 AMPS UNLESS NOTED OTHERWISE
	CEILING MOUNTED RECEPTACLE
	DOUBLE DUPLEX IN 2-GANG BOX WITH SINGLE COVER PLATE
	DOUBLE DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE IN 2-GANG BOX WITH SINGLE COVER PLATE.
	DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE
	FLUSH FLOOR CONCEALED SERVICE DUPLEX RECEPTACLE OUTLET
	FLUSH FLOOR CONCEALED SERVICE DOUBLE DUPLEX RECEPTACLE OUTLET
	CONCEALED SERVICE MULTI-ACCESS FLOOR BOX WITH WIRING DEVICES AS INDICATED ON DRAWINGS. SIZE TO MATCH DEVICE QUANTITIES.
R	REMOTE BLANK FACE GFCI DEVICE.
U	PROVIDE DUPLEX RECEPTACLE WITH (2) USB CHARGING PORTS.
CR	E.C. TO PROVIDE ROUGH-IN FOR CARD READER JUNCTION BOX. REFER TO TECHNOLOGY SHEETS FOR ADDITIONAL INFORMATION.
SR	SWITCH CONTROLLED RECEPTACLE WITH THE TOP RECEPTACLE LOAD CONTROLLED VIA PLUG LOAD SWITCH MEETING 2021 IECC 405.11 REQUIREMENTS. SPLIT LOAD-CONTROLLED RECEPTACLES SHALL BE PERMANENTLY FACTORY MARKED AS CONTROLLED.
	ELECTRICAL CONNECTION
J	ELECTRICAL J-BOX CONNECTION

SYMBOL	DESCRIPTION (DISREGARD ITEMS NOT SHOWN ON PLANS)
MISCELLANEOUS EQUIPMENT	
FACP	FIRE ALARM CONTROL PANEL
ANNC	FIRE ALARM REMOTE ANNUCIATOR
T	TRANSFORMER FOR DOOR BELL/BUZZER
	CHIME/BUZZER
MOTOR CONTROLLERS AND EQUIPMENT	
	MOTOR, MAKE FINAL MOTOR CONNECTION
	3-PHASE MOTOR, MAKE FINAL MOTOR CONNECTION
	DISCONNECT SWITCH AS REQUIRED
	FUSED DISCONNECT SWITCH AS REQUIRED
	COMBINATION MOTOR STARTER/DISCONNECT SWITCH AS REQUIRED
	MOTOR STARTER
$M	MANUAL MOTOR SWITCH AS REQUIRED
	PREWIRED DEVICE, MAKE ELECTRICAL FINAL CONNECTIONS
	VARIABLE FREQUENCY DRIVE MOTOR CONTROLLER FURNISHED BY DIVISION 23 AND INSTALLED BY DIVISION 26.
ELECTRICAL EQUIPMENT	
OR	ELECTRICAL DISTRIBUTION OR PANELBOARD
	DRY TYPE TRANSFORMER
CIRCUITING	
	CONDUIT
	CONDUIT BELOW FLOOR, SLAB, OR GRADE
SUBSCRIPTS AND ABBREVIATIONS	
WG	INDICATES WIREGUARD
H	INDICATES HORIZONTAL
TL	INDICATES TWIST LOCK
NL	LIGHT FIXTURE ON NIGHT LIGHT CIRCUIT
ERMS	ENERGY REDUCTION MAINTENANCE SWITCH
1-L	REFER TO ONE-LINE DIAGRAM
	INDICATES WALL MOUNTED DEVICE
AC	ABOVE COUNTERTOP
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
ANNC	ANNUNICIATOR
CC	CONTROLS CONTRACTOR
DF	DRINKING FOUNTAIN
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
ERMS	ENERGY REDUCTION MAINTENANCE SWITCH
EXR	EXISTING RELOCATED
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT INTERRUPT
HP	HORSEPOWER
IBC	INTERNATIONAL BUILDING CODE
IG	ISOLATED GROUND
LSIG	LONG TIME, SHORT TIME, INSTANTAEOUS, AND GROUND
LV	LOW VOLTAGE
LVRP	LV RELAY PANEL
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT AMPS
MDP	MAIN DISTRIBUTION PANEL
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUG ONLY
MTD	MOUNTED
NIC	NOT IN CONTRACT
OCC	OCCUPANCY
PC	PLUMBING CONTRACTOR
PNL	PANEL
SPST	SINGLE POLE SINGLE THROW
TTB	TELEPHONE TERMINAL BOARD
TYP	TYPICAL
WG	WIRE GUARD
WP	WEATHER PROOF
20A	20 AMP
Ø	PHASE
3W	3 WIRE
1P20A	SINGLE POLE 20 AMP
•	NEXT TO ANY SYMBOL INDICATES FINAL ROUGH-IN FIELD COORDINATION BY CONTRACTOR WITH ARCHITECTURAL MILLWORK DRAWINGS AND OTHER TRADES.

CIRCUITING



GENERAL NOTES:

1. ALL EXTERIOR BUILDING ELECTRICAL EQUIPMENT AND DEVICES TO BE WEATHERPROOF NEMA-3R MINIMUM.

GENERAL ELECTRICAL NOTES

1. ALL WORK SHALL BE IN CONFORMANCE WITH NATIONAL, STATE, AND LOCAL CODES AND/OR ORDINANCES.
2. ELECTRICAL CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER CONTRACTORS & LOCAL UTILITY. E.C. SHALL CONTACT LOCAL UTILITY FOR EXACT SERVICE REQUIREMENTS TO INCLUDE BUT NOT LIMITED TO TRANSFORMER, METERING AND CABLING. LOCAL UTILITY REQUIREMENTS SUPERSEDE DRAWINGS AND SPECIFICATIONS.
3. SEE ARCHITECTURAL, MECHANICAL, & PLUMBING DRAWINGS FOR ADDITIONAL REQUIREMENTS.
4. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC ONLY. THEY ARE INTENDED TO GIVE APPROXIMATE LOCATIONS AND OVERALL DESIGN INTENT. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PRODUCTS, MATERIALS, AND ELECTRICAL METHODS WHICH HAVE NOT BEEN SHOWN OR INDICATED BUT ARE REQUIRED FOR A COMPLETE SYSTEM TO THE STANDARDS OF THE INDUSTRY.
5. INSTALL LIGHTING FIXTURES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDE SUPPORTING DEVICES FOR ADEQUATE SUPPORT OF FIXTURES FROM STRUCTURE.
6. UPON COMPLETION OF THE ELECTRICAL WORK, THE INSTALLATION SHALL BE TESTED FOR CONTINUITY, GROUNDS, AND SHORT CIRCUITS. THE ELECTRICAL CONTRACTOR SHALL DEMONSTRATE PROPER PERFORMANCE OF ALL SYSTEMS. ALL DEFECTIVE WORK OR MATERIALS SHALL BE REPLACED OR REPAIRED AS NECESSARY AND RETESTED.
7. ELECTRICAL RACEWAYS THAT PENETRATE FIRE RATED ASSEMBLIES SHALL BE SLEEVED AND SEALED AS PER THE LOCAL BUILDING CODE.
8. THE ELECTRICAL CONTRACTOR SHALL PROVIDE A TEMPORARY ELECTRICAL SYSTEM FOR THE PROJECT. AT LEAST ONE 120 VOLT SINGLE PHASE RECEPTACLE SHALL BE PROVIDED FOR EACH 500 SQUARE FEET OF FLOOR SPACE. SUFFICIENT TEMPORARY LIGHTING SHALL BE PROVIDED TO ALLOW ALL CONTRACTORS TO COMPLETE THEIR WORK. TEMPORARY ELECTRICAL CIRCUITS SHALL BE EQUIPPED WITH COMBINATION GROUND FAULT INTERRUPTER AND CIRCUIT BREAKER PER NEC. TEMPORARY ELECTRICAL SYSTEM SHALL BE INCLUDED IN THIS BID. USAGE CHARGES SHALL BE PAID FOR BY THE GENERAL CONTRACTOR.

ELECTRICAL SHEET INDEX

E000	ELECTRICAL NOTES, LEGENDS, & ABBREVIATIONS
E001	ELECTRICAL SITE PLAN
E101	ELECTRICAL LIGHTING PLAN
E201	ELECTRICAL POWER PLAN
E202	ELECTRICAL ROOF PLAN
E401	ELECTRICAL ONE-LINE DIAGRAM
E501	ELECTRICAL DETAILS
E502	LIGHTING CONTROLS DETAIL
E601	ELECTRICAL SCHEDULES
E602	ELECTRICAL SCHEDULES



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sheet no:

E000

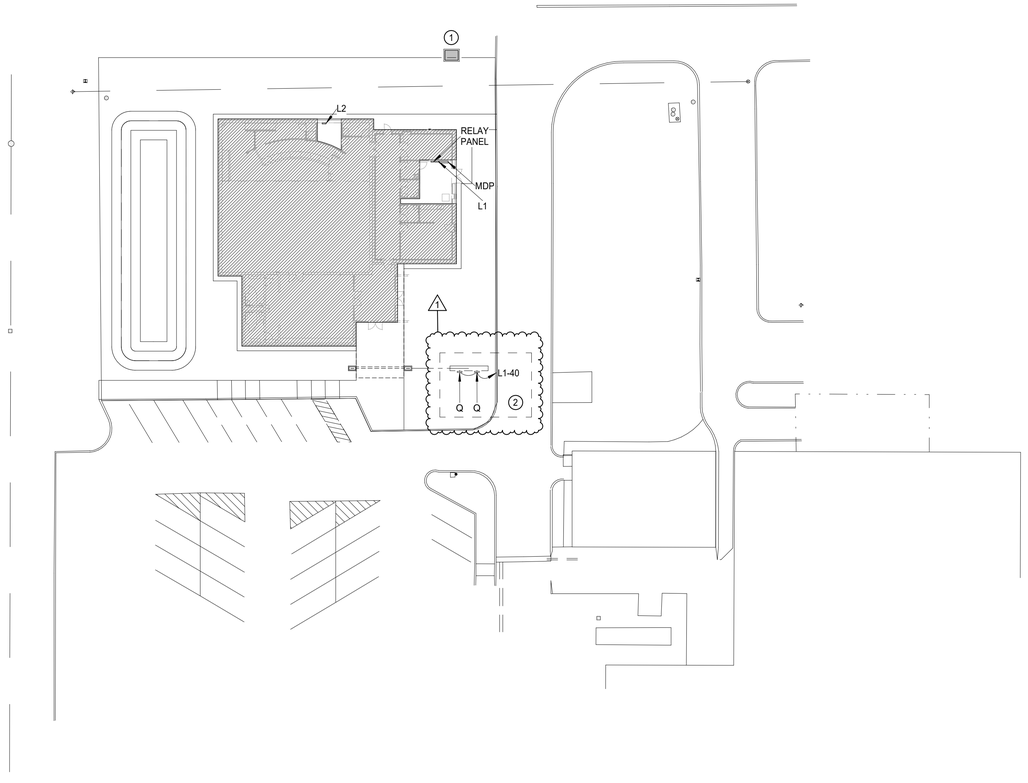
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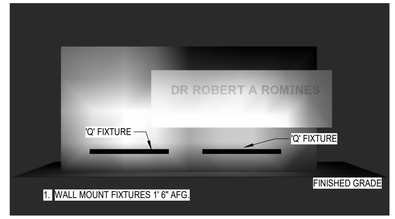
N 1 **ELECTRICAL SITE PLAN**
Scale: 1" = 30'-0"

GENERAL NOTES

1. COORDINATE EXACT LOCATIONS OF DEVICES SHOWN WITH OTHER EQUIPMENT.
2. THESE DRAWINGS ARE INTENDED TO BE DIAGRAMMATIC ONLY. CONSULT WITH GENERAL CONTRACTOR FOR DETAILS ON BIDDING; PROVIDE ALL PARTS AND LABOR FOR A COMPLETE AND CODE COMPLIANT FACILITY.
3. ELECTRICAL CONTRACTOR TO SHOW ACTUAL ROUTING OF ALL BELOW-GRADE CONDUITS AND WIRING ON AS-BUILT DRAWINGS. ROUTES SHOWN ARE GENERAL IN NATURE AND ACTUAL ROUTE SHALL BE DETERMINED BY GENERAL CONTRACTOR AND ELECTRICAL CONTRACTOR ONSITE.

KEYED NOTES

1	PROPOSED LOCATION OF NEW 208V 3 PHASE PADMOUNT UTILITY TRANSFORMER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH UTILITY PRIOR TO BEGINNING WORK. REFER TO SHEET 'E401' FOR ADDITIONAL INFORMATION.
2	REFER TO DETAIL '2' ON THIS SHEET FOR ADDITIONAL INFORMATION.



2 **EAST ELEVATION SIGN DETAIL**
Scale: N.T.S.

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MOORE, OK. 73160
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AGP@theAGP.net
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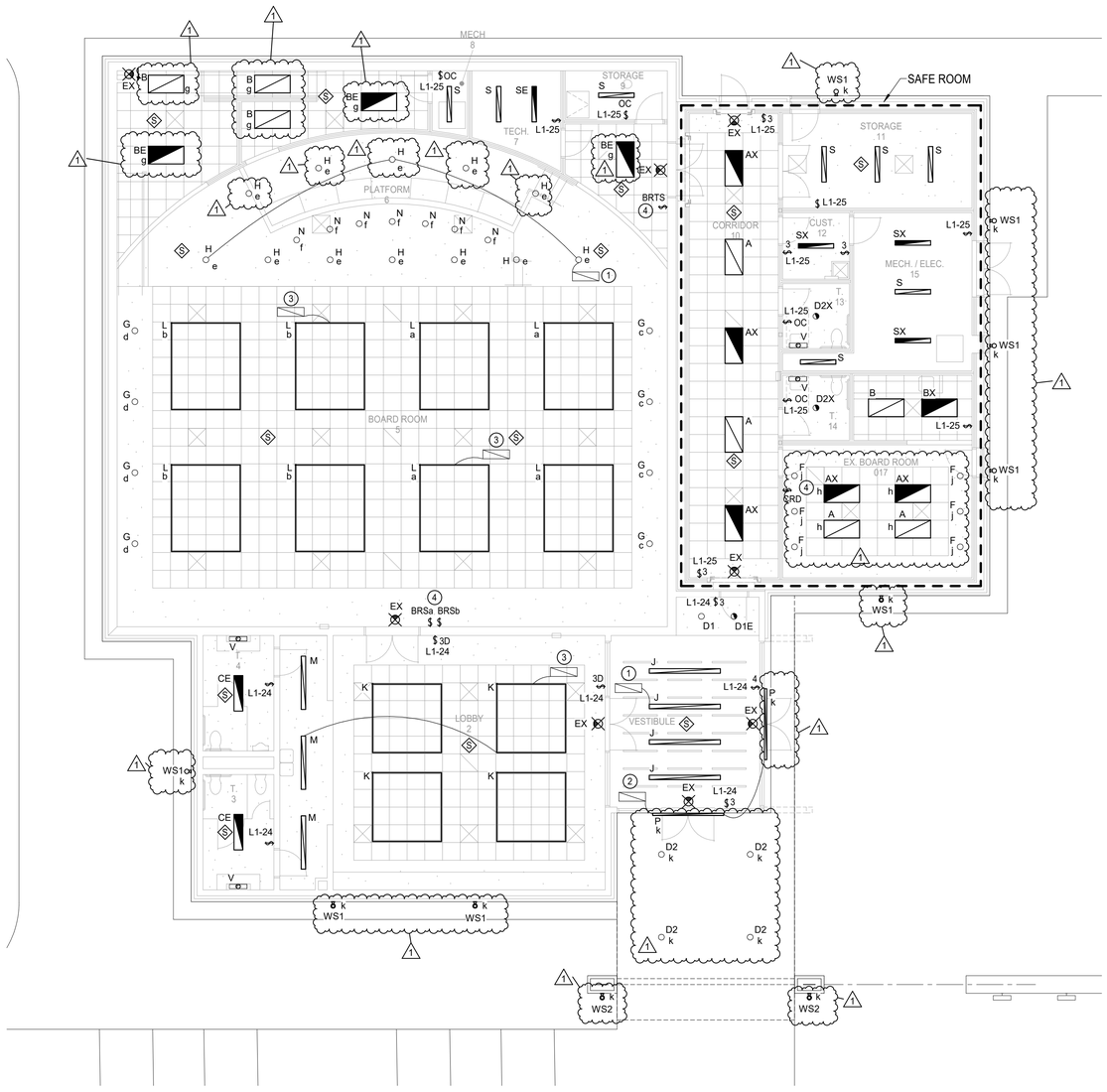
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LIGHTING GENERAL NOTES

1. OCCUPANCY SENSOR LOCATIONS SHOWN ARE FOR DESIGN INTENT ONLY. LOCATE OCCUPANCY SENSORS PER MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.
2. CONNECT BATTERY PACKS TO UNSWITCHED HOT OF LOCAL LIGHTING CIRCUIT.
3. COORDINATE WITH ALL ASSOCIATED TRADES FOR THE EXACT LOCATIONS OF LIGHT FIXTURES WITH HVAC EQUIPMENT AND OTHER DEVICES/EQUIPMENT.
4. COORDINATE WITH THE ARCHITECT, OWNER, AND ASSOCIATED TRADES FOR THE EXACT HEIGHT/LOCATION OF EXTERIOR MOUNTED LIGHTING FIXTURES PRIOR TO ROUGH-IN.
5. LABEL SWITCH PLATES AND J-BOXES WITH CIRCUIT PER SPECS.
6. COORDINATE LIGHT SWITCHES WITH THERMOSTATS AND OTHER WALL MOUNT DEVICES.

SAFEROOM GENERAL NOTES

PER ICC 500-2014, 309.1:

PENETRATIONS THROUGH THE STORM SHELTER ENVELOPE THAT ARE LARGER THAN:
1. 3.5" SQUARE INCHES IN AREA FOR RECTANGULAR OPENINGS, OR
2. 2 1/16" IN DIAMETER
SHALL BE CONSIDERED AN OPENING AND SHALL BE PROVIDED WITH AN OPENING PROTECTIVE DEVICE (SHROUD). REFERENCE STRUCTURAL DRAWINGS FOR A SAMPLE SHROUD DETAIL. THIS INCLUDES PENETRATIONS FOR BUNDLES OF CONDUIT.

KEYED NOTES

1	PROVIDE 90 MINUTE RATED REMOTE EMERGENCY POWER DEVICE. MOUNT DEVICE IN AN ACCESSIBLE LOCATION. 0-10V WIRING FROM THE LIGHT FIXTURE/S TO THE DEVICE IS REQUIRED. IN AREAS OPEN TO STRUCTURE MOUNT FIXTURE HIGH AND TIGHT TO REDUCE VISIBILITY. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. REMOTE EMERGENCY POWER DEVICE BASIS OF DESIGN: LVS: CEPS-2-RT OR EQUAL
2	PROVIDE 90 MINUTE RATED REMOTE EMERGENCY POWER DEVICE. MOUNT DEVICE IN AN ACCESSIBLE LOCATION. 0-10V WIRING FROM THE LIGHT FIXTURE/S TO THE DEVICE IS REQUIRED. IN AREAS OPEN TO STRUCTURE MOUNT FIXTURE HIGH AND TIGHT TO REDUCE VISIBILITY. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. REMOTE EMERGENCY POWER DEVICE BASIS OF DESIGN: LVS: CEPS-5-RT OR EQUAL
3	PROVIDE 90 MINUTE RATED REMOTE EMERGENCY POWER DEVICE. MOUNT DEVICE IN AN ACCESSIBLE LOCATION ABOVE CEILING. 0-10V WIRING FROM THE LIGHT FIXTURE/S TO THE DEVICE IS REQUIRED. IN AREAS OPEN TO STRUCTURE MOUNT FIXTURE HIGH AND TIGHT TO REDUCE VISIBILITY. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. REMOTE EMERGENCY POWER DEVICE BASIS OF DESIGN: LVS: CEPS-125-G-RT OR EQUAL
4	REFER TO LIGHTING CONTROLS DETAIL ON SHEET 'E502' FOR CIRCUITING AND CONTROLS INFORMATION REGARDING THIS SPACE.

N 1 **ELECTRICAL LIGHTING PLAN**
Scale: 1/8" = 1'-0"

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sheet no:

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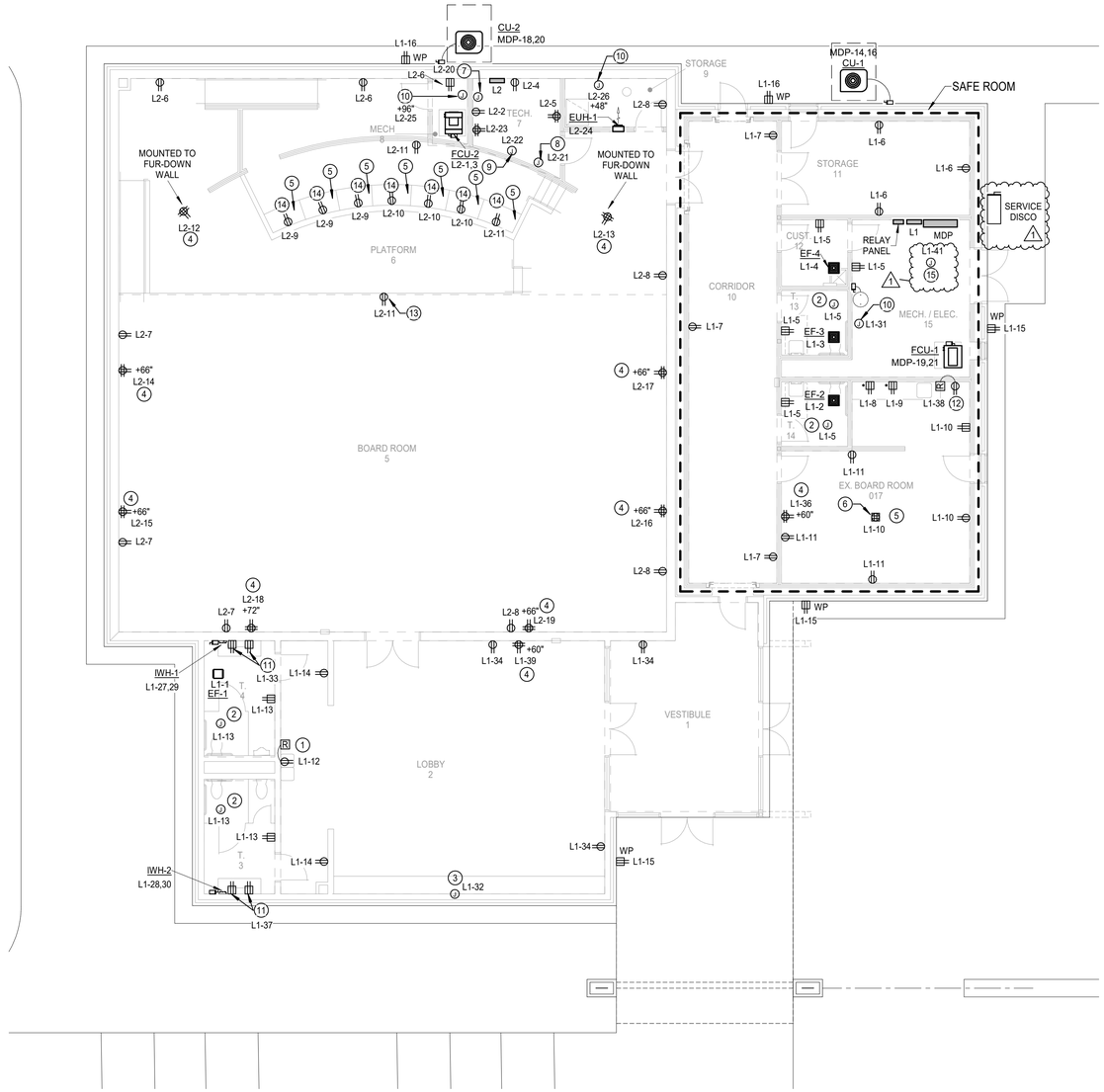
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POWER GENERAL NOTES

1. COORDINATE EXACT LOCATIONS OF DEVICES SHOWN WITH OTHER EQUIPMENT. COORDINATE EXACT LOCATION OF CEILING MOUNTED DEVICES WITH LIGHTS, HVAC EQUIPMENT, AND OTHER DEVICES.
2. COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE ALL RELAYS, CONNECTIONS, AND ALL DEVICES NECESSARY TO INTERLOCK EXHAUST FANS, DAMPERS, ETC WITH PROPER CONTROL DEVICES.
3. COORDINATE EXACT LOCATION OF MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR. REFER TO MECHANICAL PLANS AND MANUFACTURER FOR ADDITIONAL INFORMATION.
4. COORDINATE EXACT LOCATION OF PLUMBING EQUIPMENT WITH PLUMBING CONTRACTOR. REFER TO PLUMBING PLANS AND MANUFACTURER FOR ADDITIONAL INFORMATION.
5. COORDINATE THE EXACT REQUIREMENTS OF ALL POWER CONNECTION FIXTURES AND DEVICES WITH THE ARCHITECT, OWNER AND MANUFACTURER PRIOR TO ROUGH-IN.
6. ALL RECEPTACLES LOCATED AT COUNTERTOP HEIGHT SHALL BE ORIENTED HORIZONTALLY.
7. FIRE STOP ALL PENETRATIONS IN FIRE AND SMOKE RATED WALLS. REFER TO ARCHITECTURAL PLANS FOR LOCATIONS AND ADDITIONAL INFORMATION.
8. REFER TO TECHNOLOGY PLANS FOR ADDITIONAL CONDUIT REQUIREMENTS.

SAFEROOM GENERAL NOTES

PER ICC 500-2014, 309.1:

PENETRATIONS THROUGH THE STORM SHELTER ENVELOPE THAT ARE LARGER THAN:
1. 3.5" SQUARE INCHES IN AREA FOR RECTANGULAR OPENINGS, OR
2. 2 1/16" IN DIAMETER
SHALL BE CONSIDERED AN OPENING AND SHALL BE PROVIDED WITH AN OPENING PROTECTIVE DEVICE (SHROUD). REFERENCE STRUCTURAL DRAWINGS FOR A SAMPLE SHROUD DETAIL. THIS INCLUDES PENETRATIONS FOR BUNDLES OF CONDUIT.

KEYED NOTES

1	PROVIDE DEDICATED 120V WATER COOLER CONNECTION. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH ARCHITECT, OWNER, AND PLUMBING CONTRACTOR PRIOR TO ROUGH-IN. REFER TO WATER COOLER DETAIL ON DETAILS SHEET FOR MORE INFORMATION.
2	PROVIDE 120V CONNECTION FOR WATER CLOSET TRANSFORMER. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH ARCHITECT AND PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
3	PROVIDE 120V CONNECTION FOR DISPLAY CASE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGH-IN.
4	PROVIDE 120V DEDICATED CONNECTION FOR TV. COORDINATE WITH OWNER AND ARCHITECT FOR EXACT LOCATION AND REQUIREMENTS PRIOR TO BEGINNING WORK.
5	PROVIDE 3/4" CONDUIT FOR WIRELESS HOLD UP BUTTON & TRANSMITTER. REFER TO TECHNOLOGY PLANS FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH TECHNOLOGY CONTRACTOR AND OWNER PRIOR TO BEGINNING WORK.
6	PROVIDE (2) 1 1/4" CONDUITS FOR FLOOR BOX. REFER TO TECHNOLOGY PLANS FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH TECHNOLOGY CONTRACTOR AND OWNER PRIOR TO BEGINNING WORK.
7	PROVIDE 120V DEDICATED CONNECTION FOR INTRUSION DETECTION SYSTEM CONTROL PANEL. REFER TO TECHNOLOGY PLANS FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH TECHNOLOGY CONTRACTOR AND OWNER PRIOR TO BEGINNING WORK.
8	PROVIDE 120V DEDICATED CONNECTION FOR FIRE ALARM CONTROL PANEL. REFER TO TECHNOLOGY PLANS FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH TECHNOLOGY CONTRACTOR AND OWNER PRIOR TO BEGINNING WORK.
9	PROVIDE 120V DEDICATED CONNECTION FOR ACCESS CONTROL PANEL. REFER TO TECHNOLOGY PLANS FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH TECHNOLOGY CONTRACTOR AND OWNER PRIOR TO BEGINNING WORK.
10	PROVIDE 120V DEDICATED CONNECTION FOR TRAP PRIMER. COORDINATE WITH PLUMBING CONTRACTOR AND ARCHITECT FOR EXACT LOCATION AND REQUIREMENTS PRIOR TO BEGINNING WORK.
11	PROVIDE (2) 120V RECEPTACLES UNDER LAVATORY DECK. COORDINATE WITH PLUMBING CONTRACTOR AND ARCHITECT FOR EXACT LOCATION AND REQUIREMENTS PRIOR TO BEGINNING WORK.
12	PROVIDE 120V DEDICATED CONNECTION FOR TRAP PRIMER. COORDINATE WITH PLUMBING CONTRACTOR AND ARCHITECT FOR EXACT LOCATION AND REQUIREMENTS PRIOR TO BEGINNING WORK.
13	MOUNT RECEPTACLE ON PLATFORM WALL. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH ARCHITECT & TECHNOLOGY CONTRACTOR PRIOR TO BEGINNING WORK.
14	MOUNT RECEPTACLE UNDERNEATH DESK. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH ARCHITECT & TECHNOLOGY CONTRACTOR PRIOR TO BEGINNING WORK.
15	PROVIDE 120V CONNECTION FOR DAS SYSTEM. COORDINATE WITH TECHNOLOGY CONTRACTOR FOR EXACT REQUIREMENTS AND LOCATION. LOCATION SHOWN IS A PLACEHOLDER ONLY.

ELECTRICAL POWER PLAN

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

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the Abla Griffin Partnership L.L.C.

313 S. E. 5th Street
MOORE, OK. 73160
405.735.3477
AGP@theAGP.net
www.theAGP.net

FLAT LAND
CIVIL

KFC ENGINEERING
STRUCTURAL

SALAS O'BRIEN
MECHANICAL / ELECTRICAL



DWG, JM
drawn by

TVO
checked by

AUGUST 2026
date

REVISIONS

Δ	DESCRIPTION	DATE
1	ADDENDUM #1	09/25/2026

MOORE PUBLIC SCHOOLS

MPS ASC
BOARDROOM
BUILDING

sheet no:

E201

Salas O'Brien
Salas O'Brien Inc. - Oklahoma City
2900 S. Telephone Road, Suite 120
Moore, OK 73160
CA#: 9820 Expiration Date: 06/30/27
Salas O'Brien Project Number: 2650-00986-00

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GENERAL NOTES

1. PROVIDE RELAY PANELS WITH INTEGRAL ASTRONOMICAL TIMECLOCK AND PHOTO CELL INPUT.
2. CONSULT WITH OWNER FOR PROGRAMMING. SUGGESTED PROGRAMMING IS 'LIGHTS ON' IF:
   -PHOTO CELL SENSES DARK SKY
   OR
   -TIME CLOCK 9P-7A (NIGHT HOURS).
3. LOCATE PHOTO CELL WITH CLEAR VIEW OF NORTHERN SKY AND SHIELD FROM ARTIFICIAL LIGHT SOURCES.
4. CONTROL STATION LOCATIONS SHOWN ARE FOR BIDDING PURPOSES ONLY AND SHOULD BE COORDINATED WITH THE OWNER PRIOR TO ROUGH-IN.
5. PROVIDE THAT ALL STANDARD AND RELAY LIGHTING CONTROLS LOCATED IN PUBLIC AREAS WITH AN OWNER APPROVED LOCKABLE COVER.
6. CONTROLS BASIS OF DESIGN - 'NLIGHT'. ALL APPROVED SUBSTITUTE CONTROL SYSTEMS SHALL MATCH OR EXCEED ALL CAPABILITIES OF THE SPECIFIED CONTROL SYSTEM.

1

ZONE SCHEDULE

ZONE #	AREAS CONTROLLED
a	BOARD ROOM 5 LIGHTING
b	BOARD ROOM 5 LIGHTING
c	BOARD ROOM 5 LIGHTING
d	BOARD ROOM 5 LIGHTING
e	PLATFORM 6 LIGHTING
f	PLATFORM 6 LIGHTING
g	PLATFORM 6 LIGHTING
h	EX. BOARD ROOM 17 LIGHTING
j	EX. BOARD ROOM 17 LIGHTING
k	EXTERIOR LIGHTING

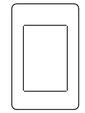
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LIGHTING CONTROL RELAY PANEL #1

RELAY #	CIRCUIT #	CONTROL SWITCHES	ZONE CONTROLLED
CR 1	L1-18	$BRTS, $BRSa, $BRSb	a
CR 2	L1-19	$BRTS, $BRSa, $BRSb	b
CR 3	L1-20	$BRTS, $BRSa, $BRSb	c
CR 4	L1-20	$BRTS, $BRSa, $BRSb	d
CR 5	L1-21	$BRTS, $BRSa, $BRSb	e
CR 6	L1-21	$BRTS, $BRSa, $BRSb	f
CR 7	L1-22	$BRTS, $BRSa, $BRSb	h
CR 8	L1-23	$CRD	j
CR 9	L1-23	$CRD	k
CR 10	L1-26	TIMECLOCK/PHOTOCELL	m
CR 11			
CR 12			
CR 13			
CR 14			
CR 15			

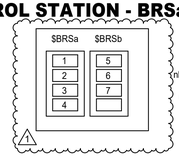
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BOARDROOM CONTROL STATION - BRTS



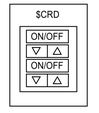
nLIGHT nTS
TOUCHSCREEN
WALL STATION
NTS 7IN XX

CONTROL STATION - BRSa, BRSb



nPODMA Series
WallPods
nPODMA 4S

CONTROL STATION - CRD



nPODMA Series
WallPods
nPODMA 2P DX

1 LIGHTING CONTROLS DETAIL

Scale: N.T.S.

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Branch Panel: L1

Location: MECH. / ELEC. 15 | **Supply From:** MDP | **Mounting:** Surface | **Volts:** 120/208 Wye | **Phases:** 3 | **Wires:** 4 | **A.I.C. Rating:** 65,000 | **Enclosure:** Type 1 | **Mains:** 225A MLO

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker		A	B	C	Breaker		Wire	Circuit Description	CKT	Note
	1	EF-1	#12	20	1	0.2 / 0.2			1	20	#12	EF-2	2	
	3	EF-3	#12	20	1		0.2 / 0.2		1	20	#12	EF-4	4	
	5	RECEPT & WC JBOX - RMS 12-15	#12	20	1			0.8 / 0.5	1	20	#12	RECEPT - RM 11	6	
	7	RECEPT - RM 10	#12	20	1	0.5 / 0.2			1	20	#12	RECEPT - RM 17	8	
	9	RECEPT - RM 17	#12	20	1		0.2 / 0.7		1	20	#12	RECEPT - RM 17	10	
	11	RECEPT - RM 17	#12	20	1			0.5 / 0.5	1	20	#12	RECEPT - DRINKING FOUNTAIN	12	
	13	RECEPT & WC JBOX - RM 2-3	#12	20	1	0.5 / 0.4			1	20	#12	RECEPT - RM 1-2	14	
	15	RECEPT - EXTERIOR	#12	20	1		0.5 / 0.4		1	20	#12	RECEPT - EXTERIOR	16	
	17	RECEPT - RTU 1-3	#12	20	1			0.5 / 0.8	1	20	#12	LIGHTING - RM 5 ZONE a	18	
	19	LIGHTING - RM 5 ZONE b	#12	20	1	0.8 / 0.2			1	20	#12	LIGHTING - RM 5 ZONES c,d	20	
	21	LIGHTING - RM 6 ZONES e,f,g	#12	20	1		0.5 / 0.2		1	20	#12	LIGHTING - RM 6 ZONE h	22	
	23	LIGHTING - RM 17 ZONES j,k	#12	20	1			0.2 / 0.9	1	20	#12	LIGHTING - RMS 2-4 & VESTIBULE	24	
	25	LIGHTING - RMS 7-15	#12	20	1	0.8 / 0.4			1	20	#10	LIGHTING - EXTERIOR	26	
	27	IWH-1	#6	50	2		4.2 / 4.2		2	50	#6	IWH-2	28	
	29							4.2 / 4.2					30	
	31	TRAP PRIMER MECH. / ELEC. 15	#12	20	1	0.0 / 0.5			1	20	#12	DISPLAY CASE - RM 2	32	
	33	RECEPTS - RM T 4	#12	20	1		0.4 / 0.5		1	20	#12	RECEPT - RM VESTIBULE & LOBBY	34	
	35	RELAY PANEL	#12	20	1			0.1 / 0.4	1	20	#12	TV RECEPT EX. BOARD ROOM 017	36	
	37	RECEPTS - RM T. 3	#12	20	1	0.4 / 1.0			1	20	#12	REFRIGERATOR EX. BOARD ROOM 017	38	
	39	TV RECEPT LOBBY 2	#12	20	1		0.4 / 0.0		1	20	#12	SIGN LIGHTING	40	
1	41	DAS SYSTEM MECH. / ELEC. 15	#12	20	1			0.0 / 0.0					42	
	43												44	
	45												46	
	47												48	
	49					0.0 / 0.0							50	
--	51	SPD	--	30	3		0.0 / 0.0						52	
	53							0.0 / 0.0					54	
		Total Load:				6.1 kVA	12.5 kVA	13.6 kVA						
		Total Amps:				51 A	113 A	121 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	17.4 kVA	100.00%	17.4 kVA		
Lighting	4.9 kVA	125.00%	6.1 kVA	**Total Conn. Load:**	32.2 kVA
Miscellaneous	0.7 kVA	100.00%	0.7 kVA	**Total Est. Demand:**	33.4 kVA
Receptacles	9.1 kVA	100.00%	9.1 kVA	**Total Conn. Current:**	89 A
Spare	0.1 kVA	100.00%	0.1 kVA	**Total Est. Demand Current:**	93 A

Notes:

Abbreviations:
G - PROVIDE GFCI CIRCUIT BREAKER
LF - PROVIDE PERMANENT LOCK-OFF DEVICE
LO - PROVIDE PERMANENT LOCK-ON DEVICE
M - PROVIDE METERING DEVICE

Branch Panel: MDP

Location: MECH. / ELEC. 15 | **Supply From:** UTILITY | **Mounting:** Surface | **Volts:** 120/208 Wye | **Phases:** 3 | **Wires:** 4 | **A.I.C. Rating:** 65,000 | **Enclosure:** Type 1 | **Mains:** 600A MLO

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker		A	B	C	Breaker		Wire	Circuit Description	CKT	Note
	1					6.1 / 3.4							2	
	3	L1	#4/0	225	3		12.5 / 3.4		3	225	#4/0	L2	4	
	5							13.6 / 4.4					6	
	7					4.7 / 7.2							8	
	9	RTU-1	#6	50	3		4.7 / 7.2		3	70	#4	RTU-2	10	
	11							4.7 / 7.2					12	
	13					7.2 / 2.5							14	
	15	RTU-3	#4	70	3		7.2 / 2.5		2	45	#6	CU-1	16	
	17							7.2 / 1.2	2	20	#12	CU-2	18	
	19	FCU-1	#2	90	2	8.3 / 1.2							20	
	21						8.3 / 0.0						22	
	23												24	
	25												26	
	27												28	
	29												30	
	31												32	
	33												34	
	35												36	
	37					0.0 / 0.0							38	
--	39	SPD	--	60	3		0.0 / 0.0						40	
	41							0.0 / 0.0					42	
		Total Load:				40.7 kVA	45.8 kVA	38.3 kVA						
		Total Amps:				342 A	385 A	319 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Cooling	5.1 kVA	100.00%	5.1 kVA		
HVAC	94.6 kVA	100.00%	94.6 kVA	**Total Conn. Load:**	124.8 kVA
Heating	1.5 kVA	100.00%	1.5 kVA	**Total Est. Demand:**	122.8 kVA
Lighting	4.9 kVA	125.00%	6.1 kVA	**Total Conn. Current:**	346 A
Miscellaneous	2.2 kVA	100.00%	2.2 kVA	**Total Est. Demand Current:**	341 A
Receptacles	16.4 kVA	80.41%	13.2 kVA		
Spare	0.1 kVA	100.00%	0.1 kVA		

Notes:

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Branch Panel: L2

Location: TECH. 7 | **Supply From:** MDP | **Mounting:** Surface | **Volts:** 120/208 Wye | **Phases:** 3 | **Wires:** 4 | **A.I.C. Rating:** 65,000 | **Enclosure:** Type 1 | **Mains:** 225A MLO

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker		A	B	C	Breaker		Wire	Circuit Description	CKT	Note
	1	FCU-2	#12	15	2	0.4 / 0.2			1	20	#12	RECEPT - RM 7	2	
	3						0.4 / 0.2		1	20	#12	RECEPT - RM 7	4	
	5	QUAD RECEPT - RM 7	#12	20	1			0.4 / 0.5	1	20	#12	RECEPT - RM 6,8	6	
	7	RECEPT - RM 5	#12	20	1	0.5 / 0.7			1	20	#12	RECEPT - RM 5,6,9	8	
	9	RECEPT - PLATFORM 6	#12	20	1		0.5 / 0.5		1	20	#12	RECEPT - PLATFORM 6	10	
	11	RECEPT - PLATFORM 6	#12	20	1			0.5 / 0.4	1	20	#12	QUAD RECEPT - PLATFORM 6	12	
	13	QUAD RECEPT - PLATFORM 6	#12	20	1	0.4 / 0.4			1	20	#12	QUAD RECEPT - BOARD ROOM 5	14	
	15	QUAD RECEPT - BOARD ROOM 5	#12	20	1		0.4 / 0.4		1	20	#12	QUAD RECEPT - BOARD ROOM 5	16	
	17	QUAD RECEPT - BOARD ROOM 5	#12	20	1			0.4 / 0.4	1	20	#12	QUAD RECEPT - BOARD ROOM 5	18	
	19	QUAD RECEPT - BOARD ROOM 5	#12	20	1	0.4 / 0.5			1	20	#12	IDP TECH. 7	20	
	21	FACP TECH. 7	#12	20	1		0.5 / 0.5		1	20	#12	ACP TECH. 7	22	
	23	QUAD RECEPT TECH. 7	#12	20	1			0.4 / 1.5	1	20	#12	EUH-1 STORAGE 9	24	
	25	TRAP PRIMER MECH 8	#12	20	1	0.0 / 0.0			1	20	#12	TRAP PRIMER STORAGE 9	26	
	27												28	
	29												30	
	31												32	
	33												34	
	35												36	
	37												38	
	39												40	
	41												42	
	43												44	
	45												46	
	47												48	
	49					0.0 / 0.0							50	
--	51	SPD	--	30	3		0.0 / 0.0						52	
	53							0.0 / 0.0					54	
		Total Load:				3.4 kVA	3.4 kVA	4.4 kVA						
		Total Amps:				29 A	28 A	37 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	0.7 kVA	100.00%	0.7 kVA		
Heating	1.5 kVA	100.00%	1.5 kVA	**Total Conn. Load:**	11.1 kVA
Miscellaneous	1.5 kVA	100.00%	1.5 kVA	**Total Est. Demand:**	11.1 kVA
Receptacles	7.4 kVA	100.00%	7.4 kVA	**Total Conn. Current:**	31 A
				Total Est. Demand Current:	31 A

Notes:

Abbreviations:
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