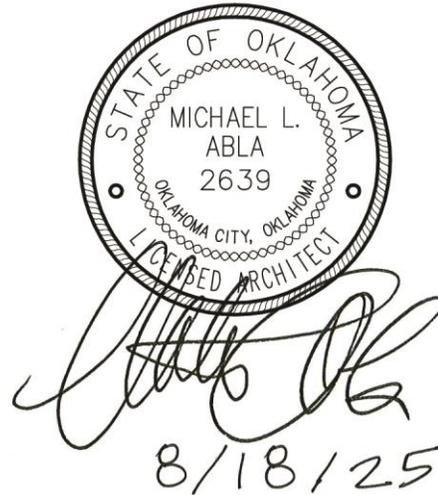


**MOORE PUBLIC SCHOOLS -
CENTRAL JUNIOR HIGH SCHOOL
STEM ADDITION**

Moore Public Schools - Moore, Oklahoma
AGP - Moore, Oklahoma

ADDENDUM NO. 4

August 18, 2025



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 four (4) 8.5"x11" pages and fifteen (15) 24"x36" sheets.

A. Drawings:

General

No changes.

Civil

1. Locate new flagpole as per attached Drawing. Coordinate final location with Architect prior to starting work.

Structural

Refer to attachments.

1. Sheet S202, Detail 1, Foundation Plan – Area "B": in addition to other changes to this sheet, please locate Door #40 as per the architectural drawing A105 in lieu location indicated on this sheet.

Architectural

No changes.

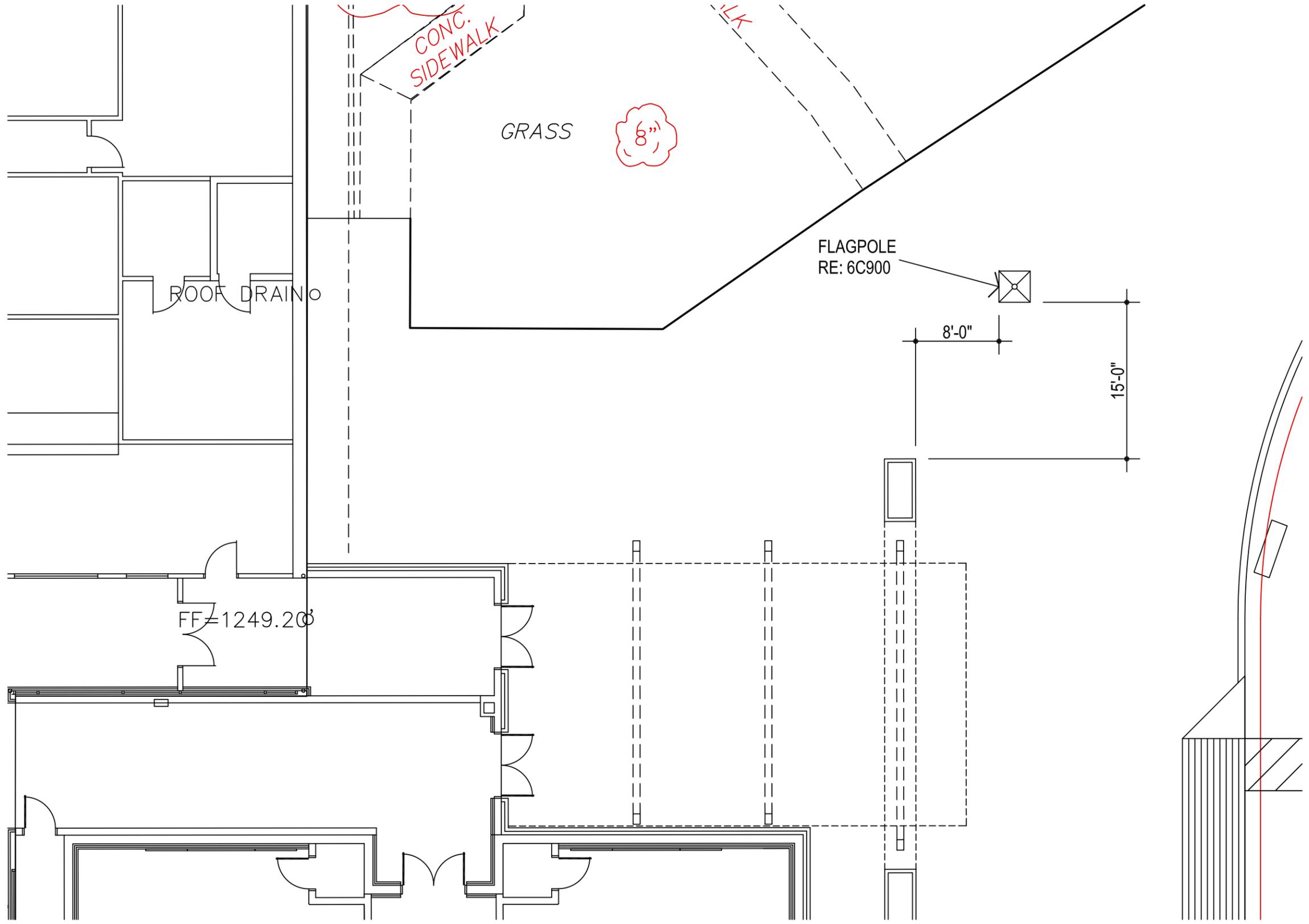
Fire Protection, Mechanical, Electrical, and Plumbing

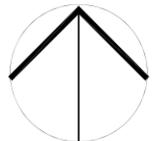
Refer to attachments.

B. Specifications:

No changes.

END OF ADDENDUM NO. 4

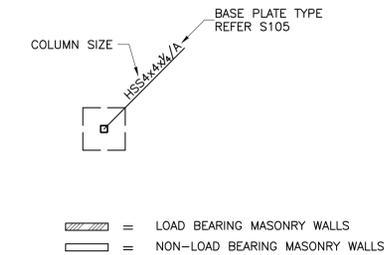



1
FLAG POLE LOCATION PLAN
1

1" = 10'-0"

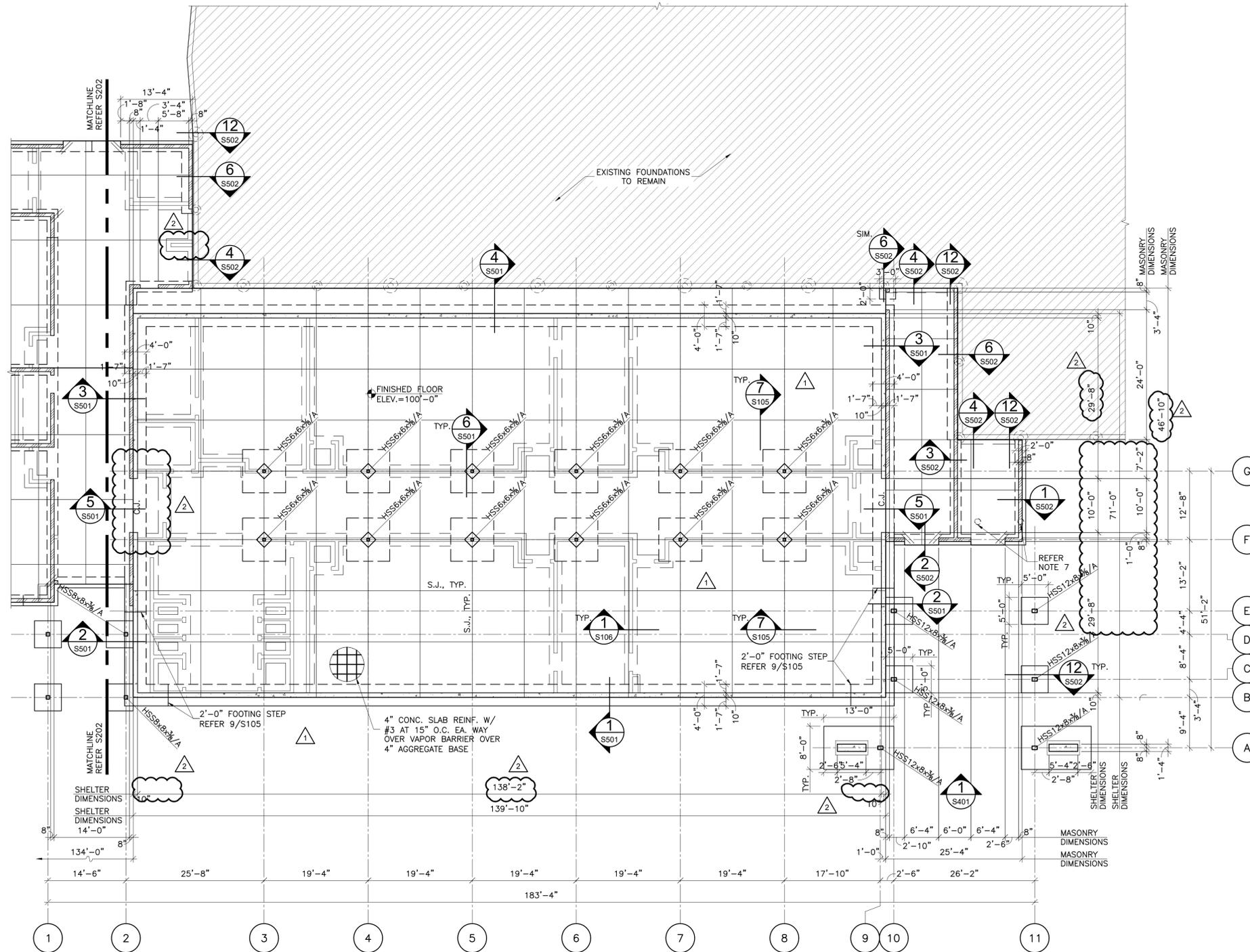
ADDENDUM #4

FOUNDATION PLAN LEGEND:



FOUNDATION PLAN NOTES:

- FOUNDATION AND SLAB SUBGRADE SHALL BE PREPARED AS OUTLINED IN THE STRUCTURAL GENERAL NOTES.
- REFERENCE ELEVATION OF 100'-0" EQUALS DATUM FINISHED FLOOR ELEVATION OF 1249.33 FEET FOR THE NEW BUILDING.
- EXCEPT WHERE SHOWN OTHERWISE, SLABS-ON-GRADE SHALL BE 4" THICK CONCRETE REINFORCED WITH #3 BARS AT 15" ON CENTER EACH WAY OVER A 15 MIL VAPOR RETARDER OVER A 4" AGGREGATE BASE COURSE. REINFORCING BARS SHALL BE PLACED 1/2" CLEAR FROM TOP OF SLAB USING CHAIRS OR SLAB BOLSTERS COMPLYING WITH CRSI'S "MANUAL OF STANDARD PRACTICE".
- SLABS-ON-GRADE SHALL BE WATER CURED FOR A MINIMUM OF 7 DAYS BY PONDING, SPRAYING, SPRINKLING OR BY USE OF SATURATED COVERINGS. THE USE OF CURING COMPOUNDS FOR SLABS-ON-GRADE IS PROHIBITED.
- SAWED JOINTS (S.J.) AND REQUIRED CONSTRUCTION JOINTS (C.J.) ARE SHOWN ON THE DRAWINGS. AT THE CONTRACTOR'S OPTION, ADDITIONAL CONSTRUCTION JOINTS MAY BE PLACED AT LOCATIONS INDICATED TO BE SAWED JOINTS.
- // INDICATES (2)#4 BARS 4'-0" TO BE PLACED IN SLAB-ON-GRADE AT ALL RE-ENTRANT CORNERS. RE-ENTRANT CORNERS ARE DEFINED AS INTERIOR CORNERS WHERE JOINTS DO NOT OCCUR IN BOTH DIRECTIONS. SIMILAR BARS SHALL BE PLACED AT ANY DISCONTINUOUS ENDS OF SAWED JOINTS OR CONSTRUCTION JOINTS.
- REMOVE EXISTING PIERS THAT CONFLICT WITH NEW FOUNDATIONS
- REFER MECHANICAL FOR FLOOR DRAIN (F.D.) INFORMATION.



FOUNDATION PLAN - AREA "A"
 SCALE: 3/32"=1'-0"



CJC	drawn by
BWB	checked by
FEBRUARY 2025	date

revisions	
ADD #1	07/16/2025
ADD #4	08/15/2025

MOORE PUBLIC SCHOOLS
 BOARD OF EDUCATION
 MOORE, OKLAHOMA

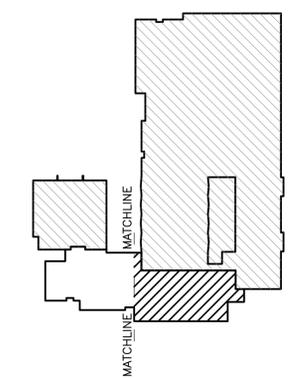


CLASSROOM ADDITION
 CENTRAL JUNIOR
 HIGH SCHOOL

sheet no:

S201

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KFC engineering
 Kirkpatrick Forrest Curtis PC
 Structural Engineering
 OK CA #3888, EXP. 06/30/27
 7300 N. Walker, Suite 200
 Oklahoma City, OK, 73163
 405.528.4596 | kfcengr.com



CJC
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FEBRUARY 2025
date

revisions
1 ADD #4 08/15/2025

MOORE PUBLIC SCHOOLS
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MOORE, OKLAHOMA



CLASSROOM ADDITION
CENTRAL JUNIOR
HIGH SCHOOL

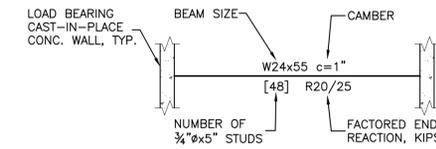
sheet no:

S301

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SHELTER FRAMING PLAN

LEGEND:



CAST-IN-PLACE CONCRETE SHELTER LOAD BEARING WALLS

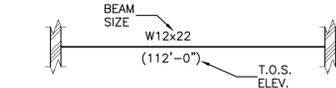
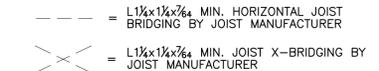
NOTE:
IF ONLY ONE NUMBER IS PROVIDED FOR END REACTIONS, REACTION APPLIES TO BOTH ENDS. WHERE NO REACTION IS GIVEN, USE 10K.

SHELTER ROOF FRAMING PLAN NOTES:

- ALL ELEVATIONS ARE REFERENCED FROM FINISHED FLOOR DATUM OF 100'-0". REFER GENERAL NOTES FOR ACTUAL ELEVATION.
- [10] INDICATES THE NUMBER OF 3/4"x5" HEADED STUDS THAT ARE REQUIRED. AT BEAMS, HEADED STUDS ARE UNIFORMLY SPACED ALONG BEAM LENGTH. AT GIRDERS, STUDS ARE UNIFORMLY SPACED BETWEEN INTERSECTING TRANSVERSE BEAMS. LENGTH OF STUD IS THE FINAL INSTALLED LENGTH AFTER WELDING. SELECT LENGTH OF STUD PRIOR TO WELDING BASED ON BURN THROUGH CONDITIONS, I.E., THROUGH METAL DECK OR DIRECTLY TO STEEL.
- AT COMPOSITE BEAMS, PLACE HEADED STUDS IN THE "STRONG" POSITION. REFER TYPICAL DETAILS.
- PROVIDE [2] #4x4'-0" DIAGONAL BARS AT ALL RE ENTRANT CORNERS.
- ALL CONCRETE SLABS SHALL BE WET CURED FOR A MINIMUM OF 7 DAYS. USE OF SPRAY-ON OR ROLL-ON CURING COMPOUND IS PROHIBITED.
- PROVIDE CONTINUOUS BUTT SPLICE WELDING IN FIELD AT DECK ANGLES.
- ALL ROOF OPENINGS FOR MECHANICAL ROOF TOP UNITS ARE APPROXIMATELY LOCATED. EXACT SIZE AND LOCATIONS SHALL BE COORDINATED WITH THE SUCCESSFUL MECHANICAL CONTRACTOR. ALL ROOF/WALL OPENINGS SHALL BE SUPPORTED WITH TYPICAL ANGLE FRAME AND PENETRATION/SHROUD DETAILS.
- DETAILING FOR CAST IN PLACE CONSTRUCTION ALLOWS FOR SHEAR WALLS TO BE PLACED VERTICALLY BEFORE PLACING ADDITIONAL FRAMING. THIS WILL REQUIRE TEMPORARY BRACING OF VERTICAL 10" WALLS UNTIL ROOF LEVELS ARE PLACED. COORDINATE BRACING OF WALLS WITH ARCHITECT IF BRACING TO EXPOSED STRUCTURE.
- T.O. PARAPET REFERS TO THE TOP OF CONCRETE WALL ELEVATION WITH REFERENCE TO FINISH FLOOR ELEVATION SPECIFIED ON THE FOUNDATION PLAN U.N.O.
- MECHANICAL OPENINGS SHALL NOT OCCUR WITHIN 24" OF EMBEDDED STUD ANCHORS.

ROOF FRAMING PLAN

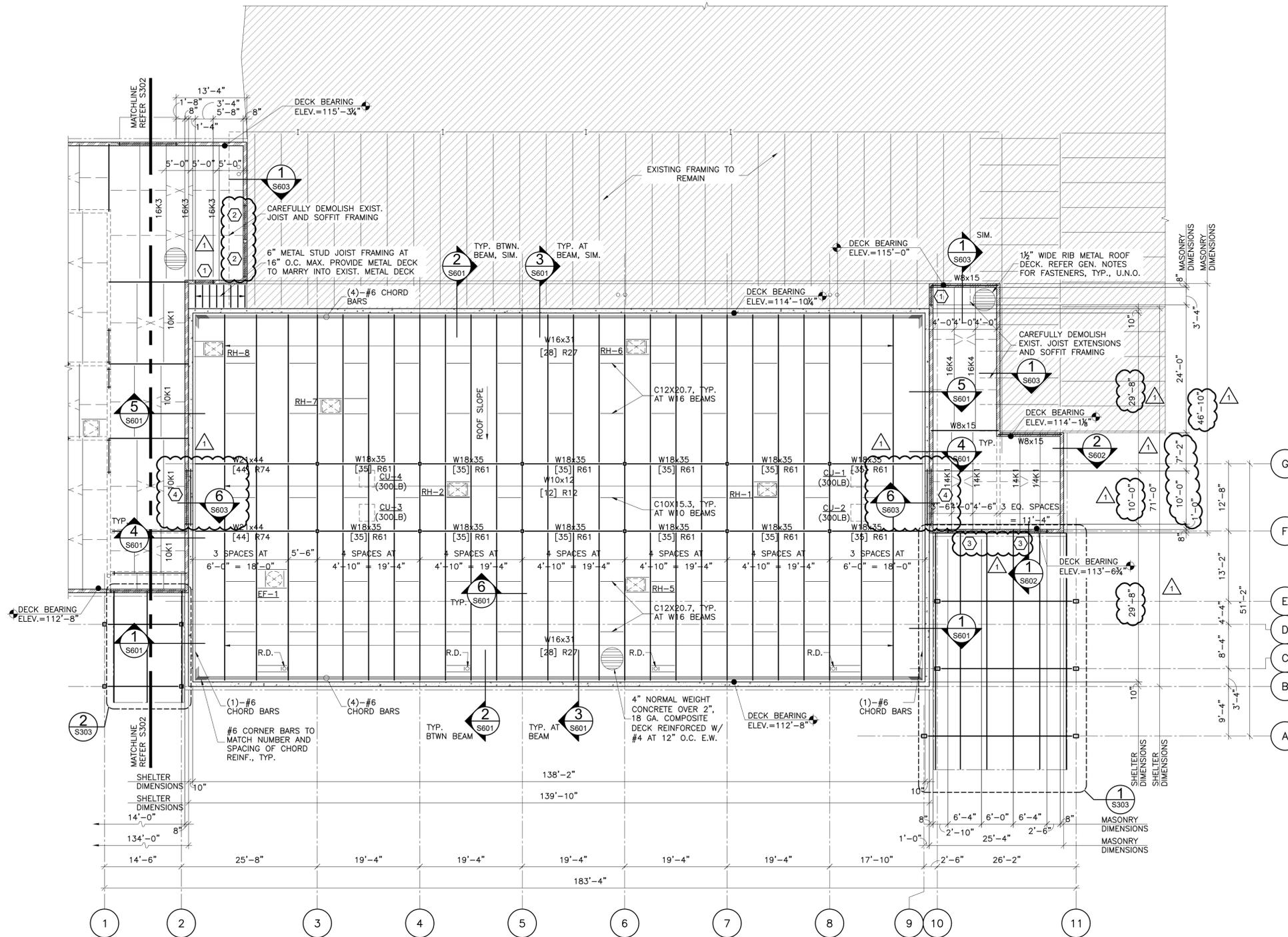
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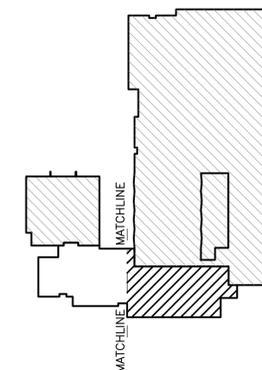
LOAD BEARING MASONRY WALLS
INTERIOR LOAD BEARING MASONRY WALLS

ROOF FRAMING PLAN NOTES:

- ALL ELEVATIONS ARE REFERENCED FROM FINISHED FLOOR DATUM OF 100'-0". REFER GENERAL NOTES FOR ACTUAL ELEVATION.
- ALL ROOF OPENINGS FOR MECHANICAL ROOF TOP UNITS ARE APPROXIMATELY LOCATED. EXACT SIZE AND LOCATIONS SHALL BE COORDINATED WITH THE SUCCESSFUL MECHANICAL CONTRACTOR. ALL ROOF/WALL OPENINGS SHALL BE SUPPORTED WITH TYPICAL ANGLE FRAME UNLESS NOTED OTHERWISE.
- T.O. PARAPET REFERS TO THE TOP OF MASONRY WALL ELEVATION WITH REFERENCE TO FINISH FLOOR ELEVATION SPECIFIED ON THE FOUNDATION PLAN U.N.O.
- 1 DENOTES MASONRY LINTEL TYPE. REFER TYPICAL MASONRY DETAILS FOR ADDITIONAL INFORMATION.



FRAMING PLAN - AREA "A"
SCALE: 3/32"=1'-0"





CJC
drawn by
BWB
checked by
FEBRUARY 2025
date

revisions
1 ADD #4 08/15/2025

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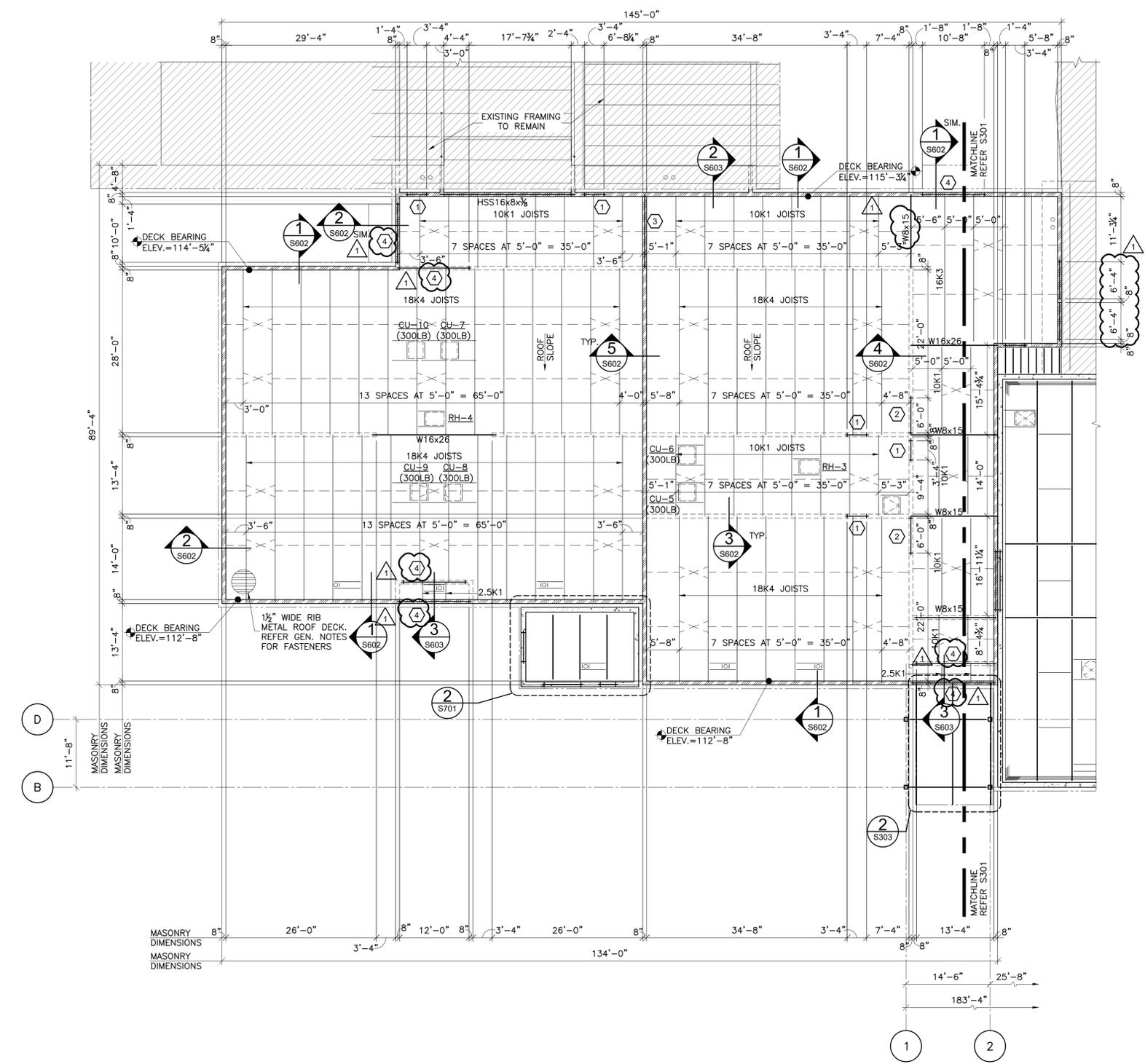


CLASSROOM ADDITION
CENTRAL JUNIOR
HIGH SCHOOL

sheet no:

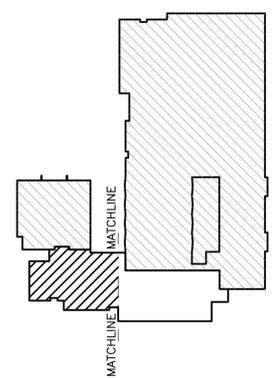
S302

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NOTE:
REFER S301 FOR
FRAMING PLAN
NOTES AND LEGEND

1 FRAMING PLAN - AREA "B"
SCALE: 3/32"=1'-0"





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BWB
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FEBRUARY 2025
date

revisions
ADD #4 08/15/2025

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MOORE, OKLAHOMA

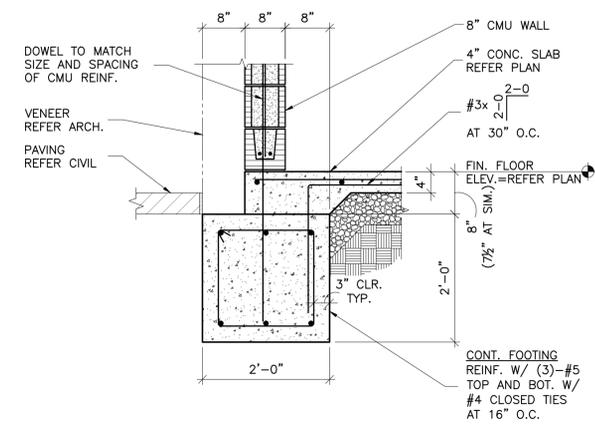


CLASSROOM ADDITION
CENTRAL JUNIOR
HIGH SCHOOL

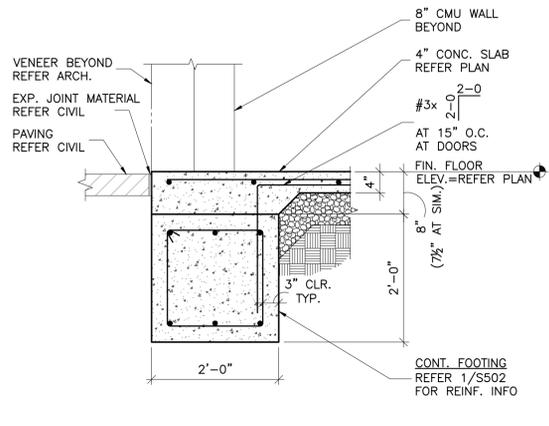
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S502

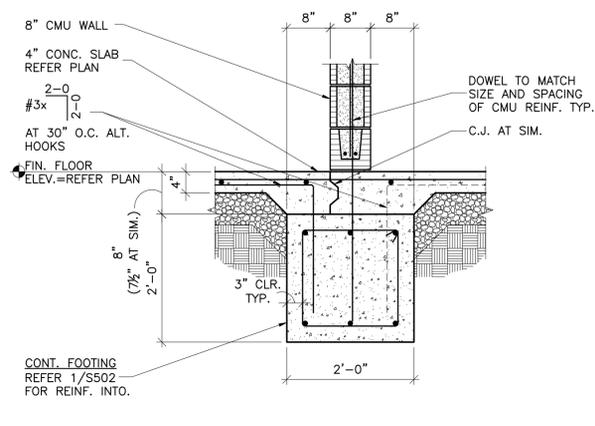
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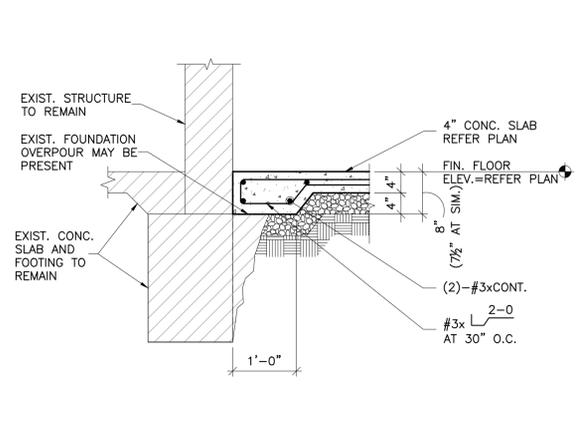
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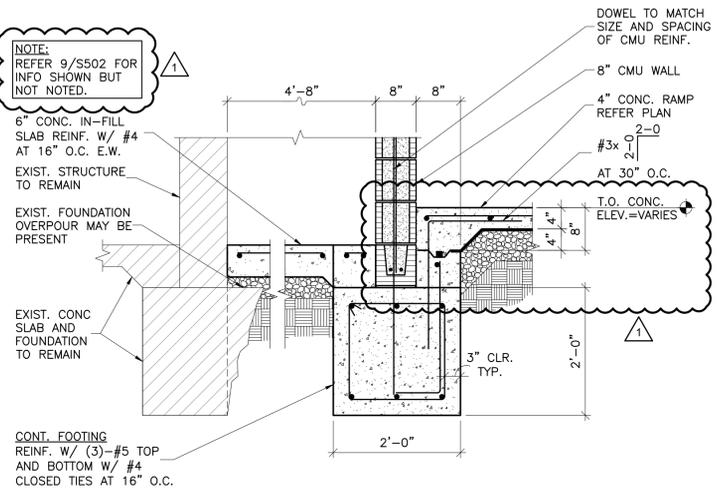
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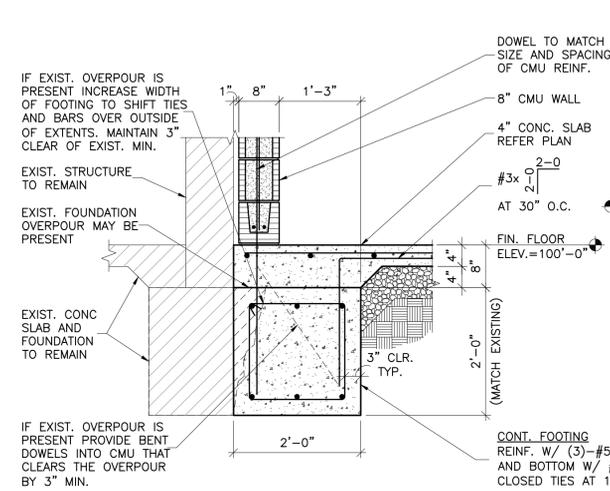
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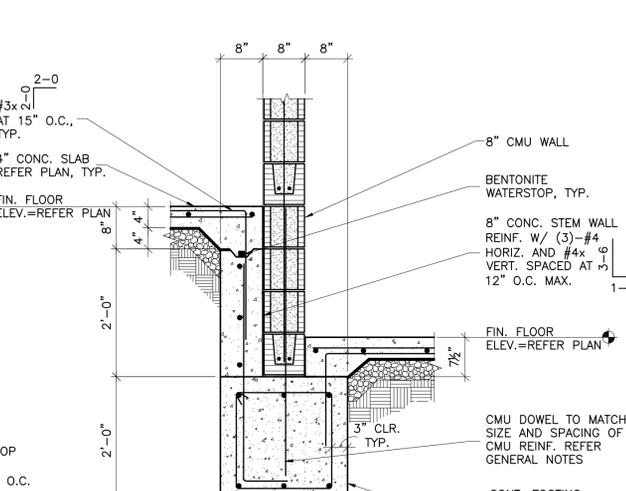
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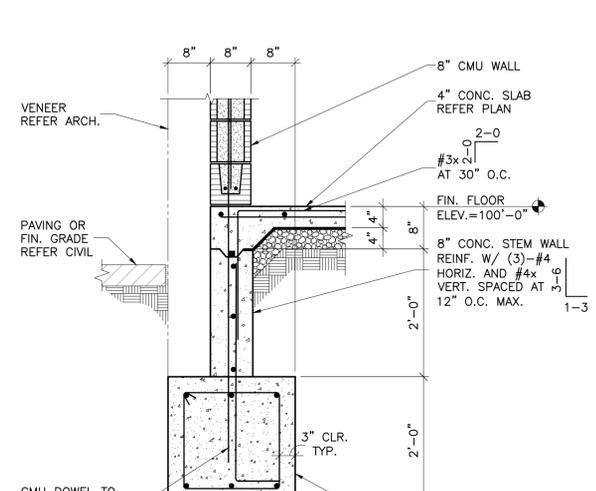
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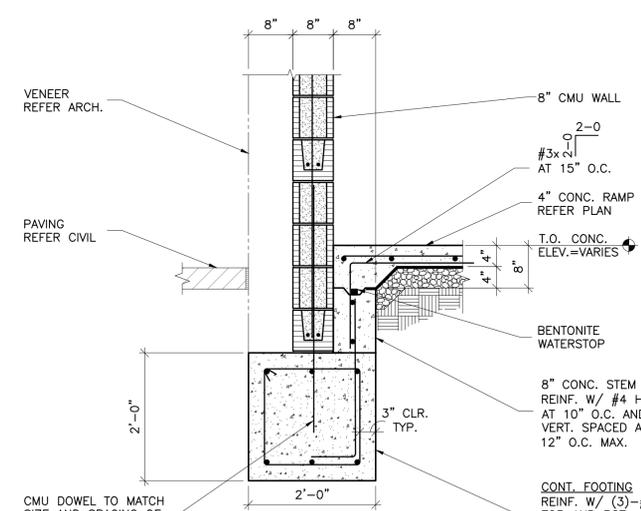
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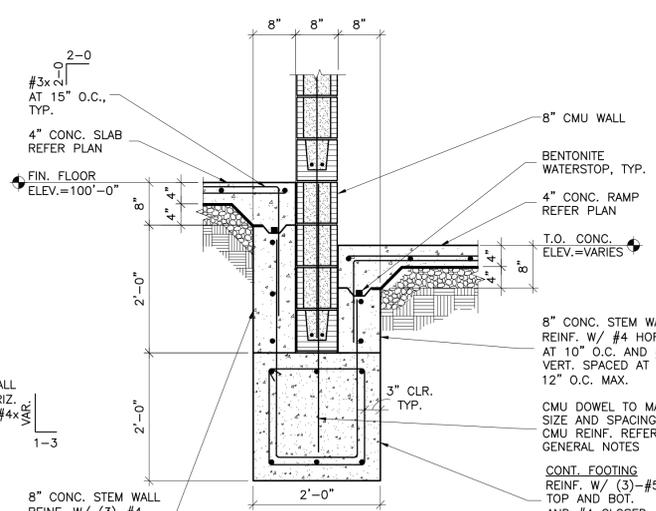
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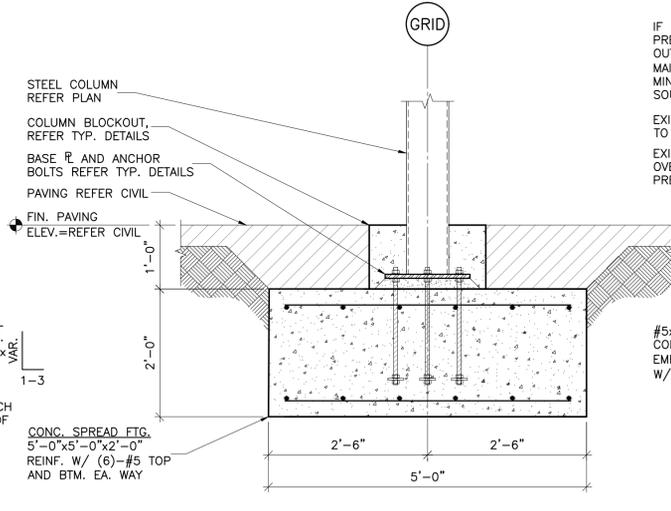
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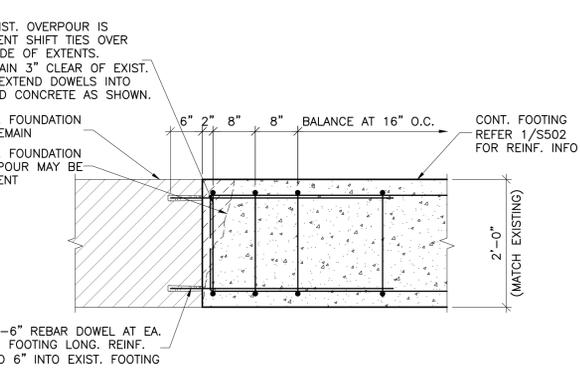
9 SECTION
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10 SECTION
S502 SCALE: 3/4"=1'-0"

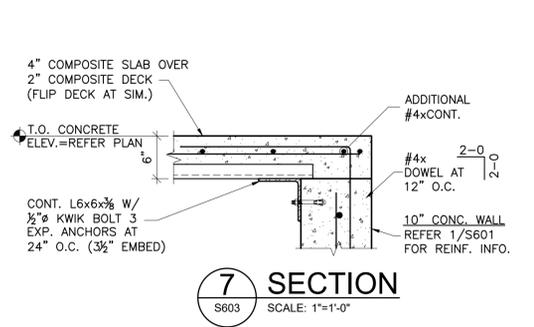
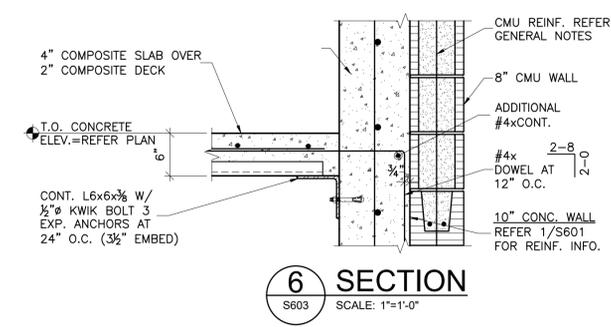
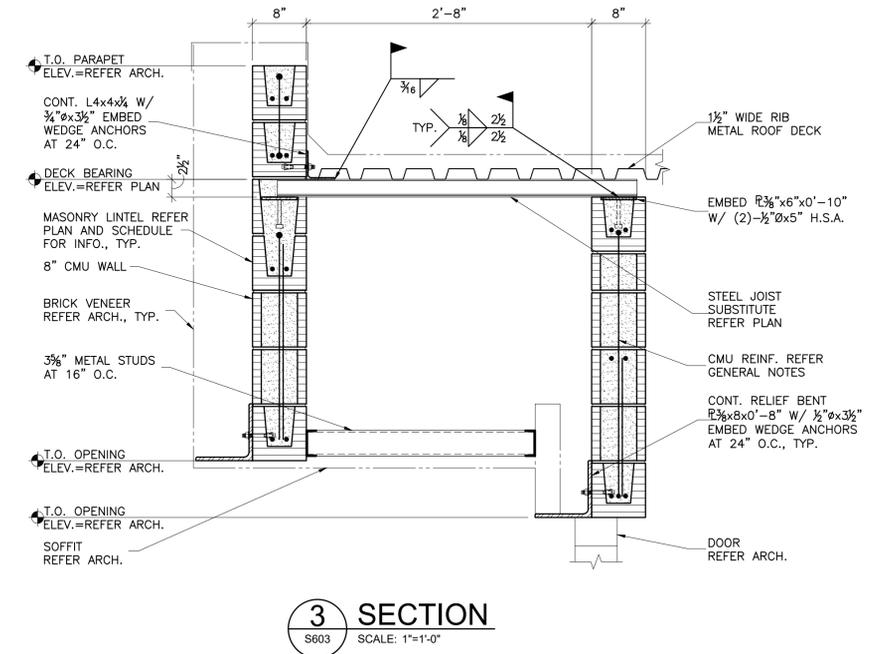
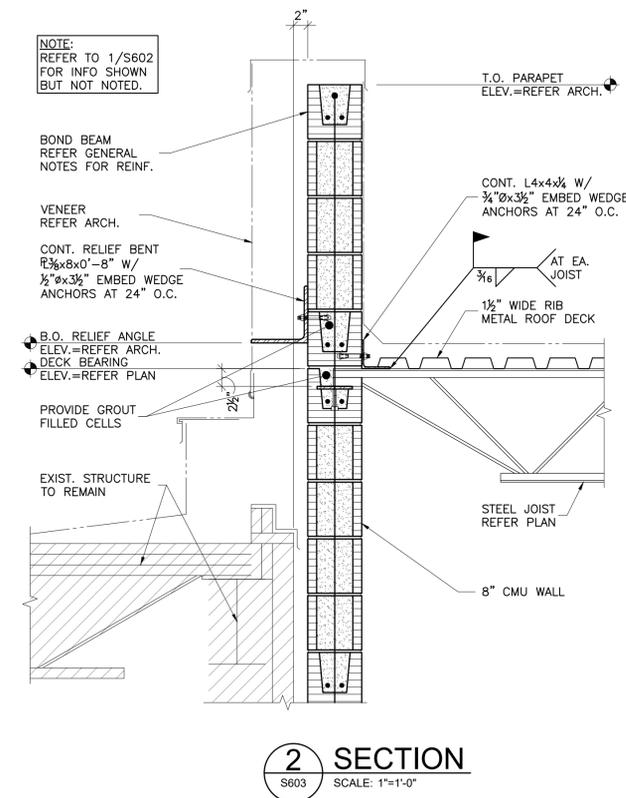
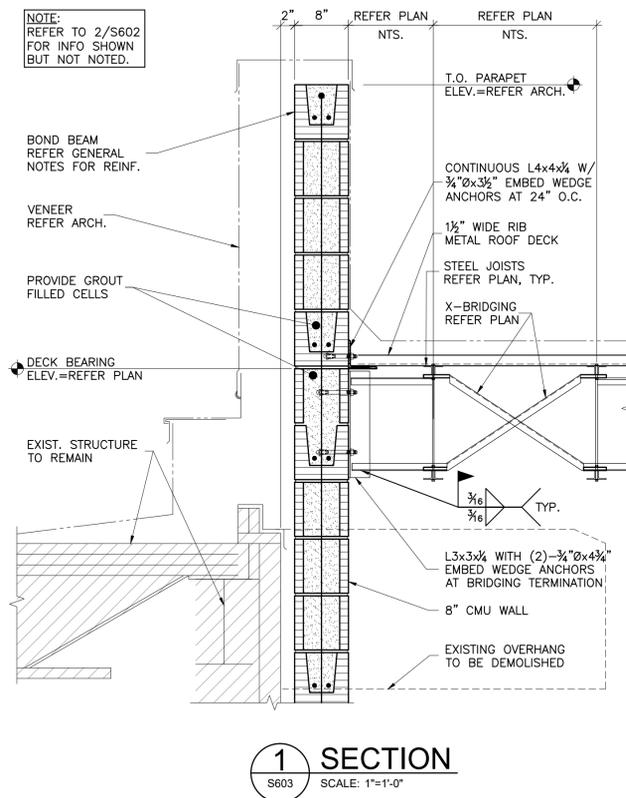


11 SECTION
S502 SCALE: 3/4"=1'-0"



12 SECTION
S502 SCALE: 3/4"=1'-0"

Kirkpatrick Forest Curtis PC
Structural Engineering
OK CA #3888, EXP. 06/30/27
1300 N. Walker, Suite 200
Oklahoma City, OK 73163
405.528.4596 | kfceingr.com



4 NOT USED
S603 SCALE: 1/2"=1'-0"

5 NOT USED
S603 SCALE: 1/2"=1'-0"

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BWB
checked by

FEBRUARY 2025
date

revisions
1 ADD #4 08/15/2025

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CLASSROOM ADDITION
CENTRAL JUNIOR
HIGH SCHOOL

sheet no:
S603



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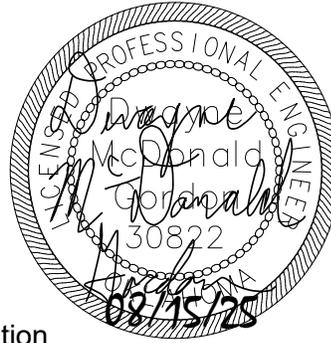
ADDENDUM 04

Issue Date: August 15, 2025

Project Information

Client: Abla Griffin Partnership
Project Name: Central JH STEM & Saferoom Addition
Project Location: Moore, OK
Owner: Moore Public Schools
Engineer: Salas O'Brien, LLC

Project No. 2550-00564-00



To Prospective Bidders

This Addendum forms a part of the Contract Documents and modifies the Bidding Documents dated May 15, 2025, (and previous Addenda), with amendments and additions noted below.

This Addendum consists of (2) pages and (9) attachments.

- Index of Attachments
 - Earthsmart Controls Proposal rev-2
 - M102 E202
 - M201 E205
 - M601 E601
 - E201 E603

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 Temperature 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.

M102 – MECHANICAL FLOOR PLAN – AREA B

- Refer to clouds and deltas on plan.

M201 – MECHANICAL ROOF PLAN

- Refer to clouds and deltas on plan.

M601 – MECHANICAL SCHEDULES

- Refer to clouds and deltas on plan.

E201 – ELECTRICAL POWER PLAN – AREA A

- Refer to clouds and deltas on plan.

E202 – ELECTRICAL POWER PLAN – AREA B

- Refer to clouds and deltas on plan.

E205 – ELECTRICAL ROOF PLAN – AREA B

- Refer to clouds and deltas on plan.

E601 – ELECTRICAL SCHEDULES

- Refer to clouds and deltas on plan.

E603 – ELECTRICAL SCHEDULES

- Refer to clouds and deltas on plan.

END OF ADDENDUM [04]



5305 N Santa Fe Avenue
Oklahoma City, OK 73118

www.earthsmartcontrols.com

Phone: (405) 778-8008
Fax: (866) 676-5602

To: Moore Central JR High STEM Bidders
Attn: Estimator

August 15, 2025

This is a proposal to provide controls for the Moore Central Junior High School STEM project.

Split Systems (10)

- Provide and install Honeywell controls.
- Install communication, controller, supply air sensor, fan status, compressor status, digital space temperature sensor and CO2 sensor to control outside air damper (damper actuator provided by EarthSmart Controls).
- Commission the units to ensure proper operation.

GPS Ionizers (10)

- Provide and install 10 new GPS-FC48-AC ionizers.
- Commission the units to ensure proper operation.

Mini-Splits (9)

- Provide labor to integrate to **factory BACnet interface**.
- Commission the units to ensure proper operation.

Honeywell WEBS N4 Frontend

- Tie to existing WEB-8000 onsite and integrate N4 supervisor station (graphical user interface).
- Provide a 25 Device JACE to allow for future expansion.
- Provide 4 hours of user training.
- ***Provide 1-year parts and labor warranty.***
- Provide graphical representations of equipment listed above.
- Provide custom trending and alarming.
- Provide scheduling capabilities and remote access.

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.

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

Continued on next page...

CEARTHSMART CONTROLS

5305 N Santa Fe Avenue
Oklahoma City, OK 73118

www.earthsmartcontrols.com

Phone: (405) 778-8008
Fax: (866) 676-5602

The total price for the control work above is: \$65,964.00
Sixty-Five Thousand Nine Hundred and Sixty-Four Dollars



Erin Bevill
Controls Manager
EarthSmart Controls, LLC

Company: _____

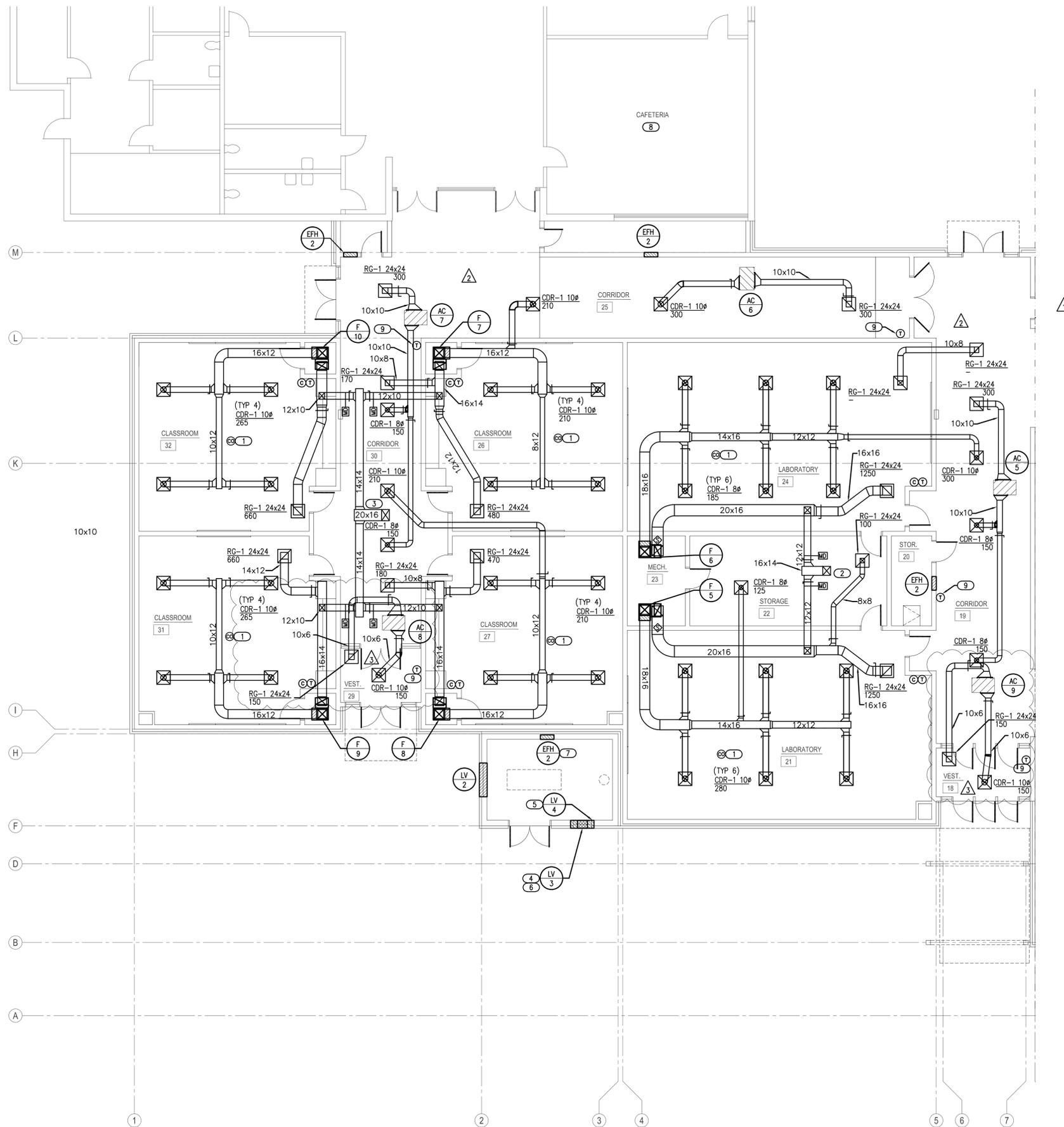
Signature: _____

Date: _____

Printed Name: _____

Title: _____

PO #: _____



- ### GENERAL NOTES
- COORDINATE INSTALLATION OF EQUIPMENT AND DUCTWORK WITH ALL TRADES.
 - COORDINATE LOCATION OF THERMOSTATS WITH E.C. ROUGH-IN BY E.C.
 - COORDINATE CARBON DIOXIDE SENSOR LOCATION WITH EARTHSMART PRIOR TO INSTALLATION.
 - M.C. SHALL PROVIDE CARBON MONOXIDE SENSORS WHERE NEEDED PER CODE FOR EXISTING EQUIPMENT THROUGHOUT THE ENTIRE BUILDING. M.C. IS RESPONSIBLE FOR SURVEYING ENTIRE BUILDING AND LOCATING FUEL BURNING HVAC EQUIPMENT FOR SENSOR LOCATIONS. COORDINATE WITH E.C. FOR POWER CONNECTIONS.

- ### KEYED NOTES
- CARBON MONOXIDE DETECTOR TO BE INSTALLED ACCORDING TO ALL APPLICABLE CODES. DETECTOR SHALL BE INSTALLED CENTRALLY ON CEILING. ALSO INCLUDE BATTERY BACKUP IN EVENT PRIMARY POWER IS INTERRUPTED. ALARM SIGNAL SHALL BE ROUTED TO ADMINISTRATION OFFICE. COORDINATE WITH E.C. WITH PRIMARY POWER CONNECTION AND SYSTEM CONNECTION.
 - DUCT UP 16x16 TO CONNECT TO THROAT OPENING OF ROOF HOOD.
 - DUCT UP 20x16 TO CONNECT TO THROAT OPENING OF ROOF HOOD.
 - MOUNT BOTTOM OF LOUVER MINIMUM 60" ABOVE LV-4. LOUVER CONNECTION FOR ENGINE EXHAUST.
 - MOUNT BOTTOM OF LOUVER MINIMUM 18" AFF. LOUVER CONNECTION FOR RADIATOR EXHAUST.
 - PROVIDE EXHAUST DUCT TO GENERATOR RADIATOR CONNECTION. COORDINATE DUCT SIZE WITH GENERATOR MANUFACTURER DRAWINGS.
 - MOUNT HEATER MINIMUM OF 24" AFF.
 - EXISTING AIR DEVICES IN CAFETERIA ARE TO BE REUSED. CLEAN AIR DEVICES AND ENSURE IT IS IN GOOD WORKING ORDER. RECONNECT AIR DEVICES TO DUCTWORK AND ALIGN WITH NEW CEILING GRID.
 - THERMOSTAT SHALL HAVE LOCKABLE COVER. Δ

AGP

the Abba Griffin Partnership L.L.C.

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

CEDAR CREEK
CIVIL

KFC ENGINEERING
STRUCTURAL

SALAS O'BRIEN
MECHANICAL / ELECTRICAL



KF
drawn by

DG
checked by

APRIL 2025
date

revisions

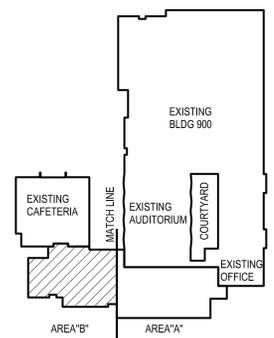
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- Δ 08/13/25 AD 02
- Δ 08/15/25 AD 04

MOORE PUBLIC SCHOOLS
BOARD OF EDUCATION
MOORE, OKLAHOMA



CLASSROOM ADDITION
CENTRAL JUNIOR
HIGH SCHOOL

sheet no:
M102



KEYPLAN
NO SCALE

1 MECHANICAL FLOOR PLAN - AREA B

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



Salas O'Brien

2900 S. Telephone Road, Suite 120
Moore, OK 73160
Salas O'Brien Registration: CA# 7058
Expiration Date: 6/30/2025
Salas O'Brien Project Number: 2550-00564-00

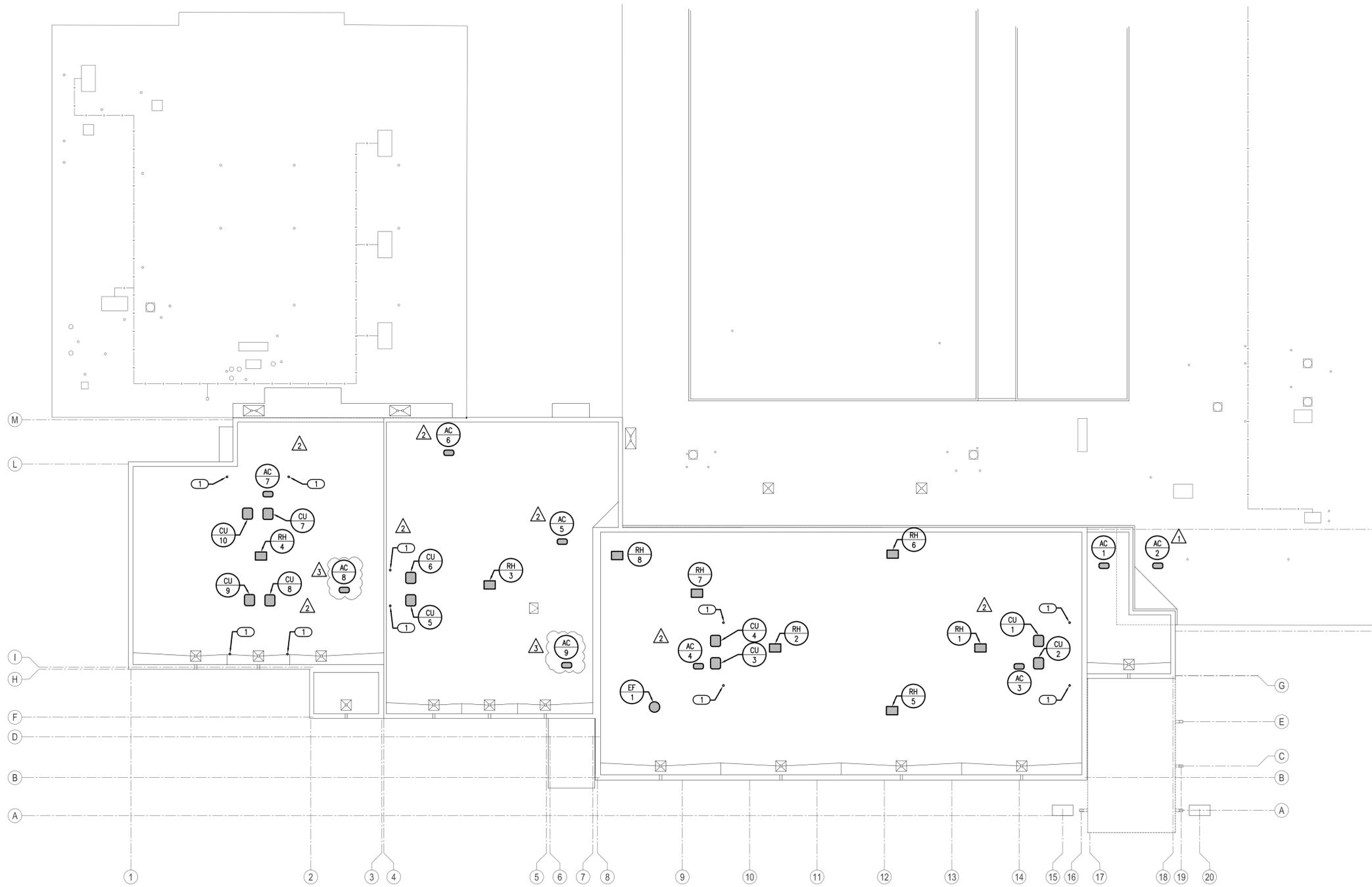
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GENERAL NOTES

1. ALL ROOF TOP EQUIPMENT TO BE LOCATED A MINIMUM 10'-0" AWAY FROM ROOF EDGE.
2. MAINTAIN A MINIMUM OF 10'-0" HORIZONTAL CLEARANCE BETWEEN ALL EXHAUST OUTLETS AND ANY FRESH AIR INTAKES.
3. ALL ROOF SUPPORT SYSTEMS ARE TO BE MANUFACTURED FOR THE ROOF MATERIAL/SYSTEM TO BE INSTALLED. REFER TO ARCHITECTURAL PLANS FOR THE ROOF SYSTEM, CURB INSTALLATION TO BE WARRANTED BY ROOFING CONTRACTOR.

KEYED NOTES

- FURNACE CONCENTRIC VENT LOCATION. REFER TO MANUFACTURER'S INSTRUCTION FOR INSTALLATION.



CEDAR CREEK
CIVIL

KFC ENGINEERING
STRUCTURAL

SALAS O'BRIEN
MECHANICAL / ELECTRICAL



KF
drawn by

DG
checked by

APRIL 2025
date

revisions

△ 06/27/25 AD 01

△ 08/13/25 AD 02

△ 08/15/25 AD 04

MOORE PUBLIC SCHOOLS
BOARD OF EDUCATION
MOORE, OKLAHOMA



CLASSROOM ADDITION
CENTRAL JUNIOR
HIGH SCHOOL

sheet no:

M201

1 MECHANICAL ROOF PLAN

SCALE: 1/16" = 1'-0"



2900 S. Telephone Road, Suite 120
Moore, OK 73160
Salas O'Brien Registration: CA# 7058
Expiration Date: 6/30/2025
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ELECTRIC FAN FORCED HEATER SCHEDULE												
EFH #	ROOM NO.	CFM	WALL OR CEILING	KW	MOUNTING	ELECTRICAL CHAR	AMPS	SPEEDS	CONTROL	RPM	MANUFACTURER & MODEL NUMBER	NOTES
2	RISER	100	WALL	2	RECESSED	208 / 1	9.6	1	INT STAT		BERKO FRC-4020	1-5

NOTES: M.C. IS RESPONSIBLE FOR PROVIDING ANY AND ALL NECESSARY DIMENSIONAL, ELECTRICAL, MECHANICAL, AND STRUCTURAL ALTERATIONS NECESSITATED BY PROVIDING ALTERNATE EQUIPMENT.

- PROVIDE INTERNAL THERMOSTAT.
- RECESSED MOUNTED UNIT. PROVIDE RECESSED MOUNTING KIT.
- PROVIDE BUILT-IN DISCONNECT.
- WALL MOUNTING HEIGHT AFF AT A MINIMUM OF 18" OR PER MANUFACTURER'S RECOMMENDATION.
- VERIFY QUANTITY OF HEATERS WITH FLOORPLAN.

GAS FURNACE SCHEDULE																
F #	TYPE	INPUT MBH	OUTPUT MBH	CFM	MIN F.A.	EXT. S.P.	HEAT EXCH. MTL	BLOWER				PILOT	VENT	FILTER MERV 8 MIN.	MANUFACTURER & MODEL NO.	NOTES
								SIZE	DRIVE	H.P.	ELEC. CHAR					
1	VERT	80	77	1400	550	0.6	ALUMINIZED STL	11X11	DIRECT	.75	120/1	HOT S	3"	2" TA	YORK TM9V080C16MP12C	1-3
2	VERT	120	115	1800	550	0.6	ALUMINIZED STL	11X11	DIRECT	1	120/1	HOT S	3"	2" TA	YORK TM9V120D20MP12C	1-4
3	VERT	120	115	1800	550	0.6	ALUMINIZED STL	11X11	DIRECT	1	120/1	HOT S	3"	2" TA	YORK TM9V120D20MP12C	1-4
4	VERT	80	77	1400	550	0.6	ALUMINIZED STL	11X11	DIRECT	.75	120/1	HOT S	3"	2" TA	YORK TM9V080C16MP12C	1-3
5	VERT	120	115	1800	550	0.6	ALUMINIZED STL	11X11	DIRECT	1	120/1	HOT S	3"	2" TA	YORK TM9V120D20MP12C	1-3
6	VERT	80	77	1400	550	0.6	ALUMINIZED STL	11X11	DIRECT	.75	120/1	HOT S	3"	2" TA	YORK TM9V080C16MP12C	1-3
7	VERT	60	58	1050	400	0.6	ALUMINIZED STL	11X11	DIRECT	.5	120/1	HOT S	3"	2" TA	YORK TM9V060B12MP12C	1-3
8	VERT	60	58	1050	400	0.6	ALUMINIZED STL	11X11	DIRECT	.5	120/1	HOT S	3"	2" TA	YORK TM9V060B12MP12C	1-3
9	VERT	60	58	1060	400	0.6	ALUMINIZED STL	11X11	DIRECT	.5	120/1	HOT S	3"	2" TA	YORK TM9V060B12MP12C	1-3
10	VERT	60	58	1060	400	0.6	ALUMINIZED STL	11X11	DIRECT	.5	120/1	HOT S	3"	2" TA	YORK TM9V060B12MP12C	1-3

NOTES: M.C. IS RESPONSIBLE FOR PROVIDING ANY AND ALL NECESSARY DIMENSION, ELECTRICAL, MECHANICAL, AND STRUCTURAL ALTERATIONS NECESSITATED BY PROVIDING ALTERNATE EQUIPMENT.

- PROVIDE CONCENTRIC VENT. INSTALL PER MANUFACTURER INSTRUCTIONS. MAINTAIN MINIMUM CLEARANCES: 36" BETWEEN VENTS, 10"-0" FROM ANY FRESH AIR INTAKE.
- PROVIDE CO₂ SENSOR. INSTALLATION BY CONTROLS CONTRACTOR. INTERLOCK CO₂ SENSOR WITH MOTORIZED DAMPER IN OUTSIDE AIR DUCT.
- PROVIDE FURNACE WITH 2 STAGE HEATING.
- 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 E.C.

CONDENSING UNIT SCHEDULE														
CU #	NOMINAL TONNAGE	CONDENSING UNIT					WEIGHT (LBS)	MANUFACTURER & MODEL NO.	EVAPORATOR UNIT					NOTES
		ELEC. CHAR	MCA	MOCP	S.E.E.R	3			CFM	MAX S.P.	BLOWER MOTOR	ELEC. CHAR	MCA	
1	4	208/1	28	45	16	295	YORK YC648E2S11	1400	0.3	-	SEE FURNACE SCHEDULE	-	YORK CTF60C5G51	1-7
2	5	208/1	32	50	15.5	295	YORK YC660E2S11	1800	0.3	-	SEE FURNACE SCHEDULE	-	YORK CTF60C5G51	1-7
3	5	208/1	32	50	15.5	295	YORK YC660E2S11	1800	0.3	-	SEE FURNACE SCHEDULE	-	YORK CTF60C5G51	1-7
4	4	208/1	28	45	16	295	YORK YC648E2S11	1400	0.3	-	SEE FURNACE SCHEDULE	-	YORK CTF60C5G51	1-7
5	5	208/1	32	50	15.5	295	YORK YC660E2S11	1800	0.3	-	SEE FURNACE SCHEDULE	-	YORK CTF60C5G51	1-7
6	4	208/1	28	45	16	295	YORK YC648E2S11	1400	0.3	-	SEE FURNACE SCHEDULE	-	YORK CTF60C5G51	1-7
7	3	208/1	19	30	15.75	265	YORK YC636E2S11	1050	0.3	-	SEE FURNACE SCHEDULE	-	YORK CTF36BSADS1	1-7
8	3	208/1	19	30	15.75	265	YORK YC636E2S11	1050	0.3	-	SEE FURNACE SCHEDULE	-	YORK CTF36BSADS1	1-7
9	3	208/1	19	30	15.75	265	YORK YC636E2S11	1060	0.3	-	SEE FURNACE SCHEDULE	-	YORK CTF36BSADS1	1-7
10	3	208/1	19	30	15.75	265	YORK YC636E2S11	1060	0.3	-	SEE FURNACE SCHEDULE	-	YORK CTF36BSADS1	1-7

NOTES: M.C. IS RESPONSIBLE FOR PROVIDING ANY AND ALL NECESSARY DIMENSIONAL, ELECTRICAL, MECHANICAL, AND STRUCTURAL ALTERATIONS NECESSITATED BY PROVIDING ALTERNATE EQUIPMENT.

- E.C. TO PROVIDE AND INSTALL POWER DISCONNECT FOR UNIT. COORDINATE WITH M.C.
- M.C. TO INCLUDE PRE-CHARGED LINE KIT. INSULATE SUCTION LINE.
- TWO STAGE COOLING.
- FOR LINE LENGTH EXCEEDING 50', M.C. MUST PROVIDE FACTORY DESIGNED AND FACTORY OR FIELD FABRICATED REFRIGERANT PIPING.
- MOUNT UNITS ON CONDENSING UNIT SUPPORTS RE: 10/MS01 FOR MORE INFORMATION.
- INSULATE SUCTION LINE WITH 5/8" AP ARMAFLEX INSULATION OR EQUAL. SEAL ALL JOINTS WATER TIGHT TO PREVENT CONDENSATE IN THE CEILING.
- PROVIDE UNIT WITH HAIL GUARD.

MINI SPLIT HEAT PUMP SCHEDULE - INDOOR & OUTDOOR UNIT															
AC #	NOMINAL TON	OUTDOOR UNIT					INDOOR UNIT						NOTES		
		ELEC. CHAR	SEER	MCA	MOCP	COMPRESSOR TYPE	MANUFACTURER & MODEL NUMBER	COOLING/HEATING	CFM	MCA	MOCP	TYPE		CONDENSATE PUMP	MANUFACTURER & MODEL NUMBER
1	1	208/1	17	14	24	INVERTER	TRANE NTXSKH12A112AA	BOTH	300	1	N/A	DUCTED	YES	TRANE NTXDKS12112AA	ALL
2	1	208/1	17	14	24	INVERTER	TRANE NTXSKH12A112AA	BOTH	300	1	N/A	DUCTED	YES	TRANE NTXDKS12112AA	ALL
3	1	208/1	17	14	24	INVERTER	TRANE NTXSKH12A112AA	BOTH	300	1	N/A	DUCTED	YES	TRANE NTXDKS12112AA	1,3,4,5
4	1	208/1	17	14	24	INVERTER	TRANE NTXSKH12A112AA	BOTH	300	1	N/A	DUCTED	YES	TRANE NTXDKS12112AA	1,3,4,5
5	1	208/1	17	14	24	INVERTER	TRANE NTXSKH12A112AA	BOTH	300	1	N/A	DUCTED	YES	TRANE NTXDKS12112AA	1,3,4,5
6	1	208/1	17	14	24	INVERTER	TRANE NTXSKH12A112AA	BOTH	300	1	N/A	DUCTED	YES	TRANE NTXDKS12112AA	1,3,4,5
7	1	208/1	17	14	24	INVERTER	TRANE NTXSKH12A112AA	BOTH	300	1	N/A	DUCTED	YES	TRANE NTXDKS12112AA	1,3,4,5
8	1	208/1	17	14	24	INVERTER	TRANE NTXSKH12A112AA	BOTH	150	1	N/A	DUCTED	YES	TRANE NTXDKS12112AA	ALL
9	1	208/1	17	14	24	INVERTER	TRANE NTXSKH12A112AA	BOTH	150	1	N/A	DUCTED	YES	TRANE NTXDKS12112AA	ALL

NOTES: M.C. IS RESPONSIBLE FOR PROVIDING ANY AND ALL NECESSARY DIMENSION, ELECTRICAL, MECHANICAL, AND STRUCTURAL ALTERATIONS NECESSITATED BY PROVIDING ALTERNATE EQUIPMENT.

- M.C. PROVIDE DISCONNECTS FOR INSTALLATION BY E.C.
- PROVIDE AND INSTALL CONDENSATE PUMP. ROUTE CONDENSATE TO NEAREST OPEN SITE.
- PROVIDE CONDENSER COIL HAIL GUARD.
- M.C. SHALL PROVIDE HARD WIRED THERMOSTAT.
- INDOOR UNIT POWERED BY OUTDOOR UNIT.

DUCTWORK/INSULATION SCHEDULE													
SYSTEM	MAX. PRES.	LOW PRESSURE SEAL			MED. PRESS.		HIGH PRESS.		INSULATION				
		A	B	C	MAX PRES.	SEAL A	MAX PRES.	SEAL A	INTERNAL	THICKNESS	EXTERNAL	THICKNESS	NOTES
SUPPLY AIR WITHIN 10' OF UNIT	2"	X	-	-	-	-	-	-	YES	1"	NO	-	-
SUPPLY AIR BEYOND 10' OF UNIT	2"	X	-	-	-	-	-	-	NO	-	YES	2" FSK	-
RETURN AIR WITHIN 10' OF UNIT	2"	-	X	-	-	-	-	-	YES	1"	NO	-	-
RETURN AIR BEYOND 10' OF UNIT	2"	-	X	-	-	-	-	-	NO	-	YES	2" FSK	-
OUTSIDE AIR/MIXED AIR	2"	-	X	-	-	-	-	-	NO	-	YES	3" FSK	-
EXHAUST AIR	2"	-	X	-	-	-	-	-	NO	-	YES	2" FSK	-

NOTES:

GRILLE, REGISTER, AND DIFFUSER SCHEDULE					
PLAN SYMBOL	DESCRIPTION	MANUFACTURER & MODEL NO.	MATERIAL	FINISH	NOISE CRITERIA
CDR-1	SQUARE FACE, ROUND NECK, 4-WAY DEFLECTION CEILING DIFFUSER, SPRING LOCK INNER CORE, FOR LAY-IN CEILING INSTALLATION.	PRICE SCD (4C)	STEEL	WHITE	-
RG-1	SQUARE PATTERN GRILLE, FIXED CORE OF 1/2"x1/2"x1/2" FABRICATED ALUMINUM SQUARES, FLAT FRAME WITH 1 1/4" MARGIN, FOR LAY-IN CEILING INSTALLATION.	PRICE 80	ALUMINUM	WHITE	-
EG-1	SQUARE PATTERN GRILLE, FIXED CORE OF 1/2"x1/2"x1/2" FABRICATED ALUMINUM SQUARES, FLAT FRAME WITH 1 1/4" MARGIN, FOR SURFACE MOUNT INSTALLATION.	PRICE 90	ALUMINUM	WHITE	-

NOTES: SEE AIR BALANCE SCHEDULE ON M-101 THRU M-104 FOR QUANTITY AND SIZES. M.C. TO FIELD VERIFY CEILING TYPE FOR ALL GRD BEFORE PURCHASING EQUIPMENT. PROVIDE REQUIRED MOUNTING.

ROOF HOOD SCHEDULE							
RH #	THROAT SIZE DIMENSION (IN)	THROAT AREA (FT²)	DAMPER BDD OR MOD	CONSTRUCTION	MANUFACTURER & MODEL NO.	COMMENTS	NOTES
1	16X20	2.22	MOD	ALUMINUM	GREENHECK FGI	COLOR BY ARCHITECT	1-3
2	16X20	2.22	MOD	ALUMINUM	GREENHECK FGI	COLOR BY ARCHITECT	1-3
3	16X20	2.22	MOD	ALUMINUM	GREENHECK FGI	COLOR BY ARCHITECT	1-3
4	16X20	2.22	MOD	ALUMINUM	GREENHECK FGI	COLOR BY ARCHITECT	1-3
5	16X16	1.78	BDD	ALUMINUM	GREENHECK FGI	COLOR BY ARCHITECT	1,2
6	16X16	1.78	BDD	ALUMINUM	GREENHECK FGI	COLOR BY ARCHITECT	1,2
7	12X12	1.0	-	ALUMINUM	GREENHECK FGI	COLOR BY ARCHITECT	1,2
8	12X12	1.0	-	ALUMINUM	GREENHECK FGI	COLOR BY ARCHITECT	1,2

NOTES: M.C. IS RESPONSIBLE FOR PROVIDING ANY AND ALL NECESSARY DIMENSIONAL, ELECTRICAL, MECHANICAL, AND STRUCTURAL ALTERATIONS NECESSITATED BY PROVIDING ALTERNATE EQUIPMENT.

- M.C. TO PROVIDE ROOF HOOD WITH ALUMINUM BIRDSCREEN.
- M.C. SHALL PROVIDE ROOF CURB. CURB INSTALLATION BY G.C.
- M.C. SHALL PROVIDE LOW VOLTAGE MOTORIZED DAMPER.

FAN SCHEDULE															
F #	LOCATION	SYSTEM	CFM	SP	FAN RPM	MOTOR H.P.	ELEC CHAR	AMPS	DAMPER BDD OR MOD	DRIVE	FAN TYPE	INTERLOCK/CONTROL	WEIGHT	MANUFACTURER & MODEL NUMBER	NOTES
EF-1	ROOF	EXHAUST	675	0.25	1633	0.1	120/1	2	MOD	DIRECT	CENT	LIGHTS	50	GREENHECK G-090-VG	1-4
EF-2	ELEC	EXHAUST	475	0.50	1230	0.13	120/1	-	MOD	DIRECT	CEILING	THERMOSTAT	30	GREENHECK SP-4700-VG	1,4
EF-3	IT	EXHAUST	200	0.25	1221	0.1	120/1	1.4	MOD	DIRECT	INLINE	THERMOSTAT	45	GREENHECK SQ-80-VG	1,2,4
SF-1	HALL	SUPPLY	2300	0.5	1027	0.75	120/1	8.8	MOD	DIRECT	INLINE	SWITCH	145	GREENHECK SQ-160-VG	4-7

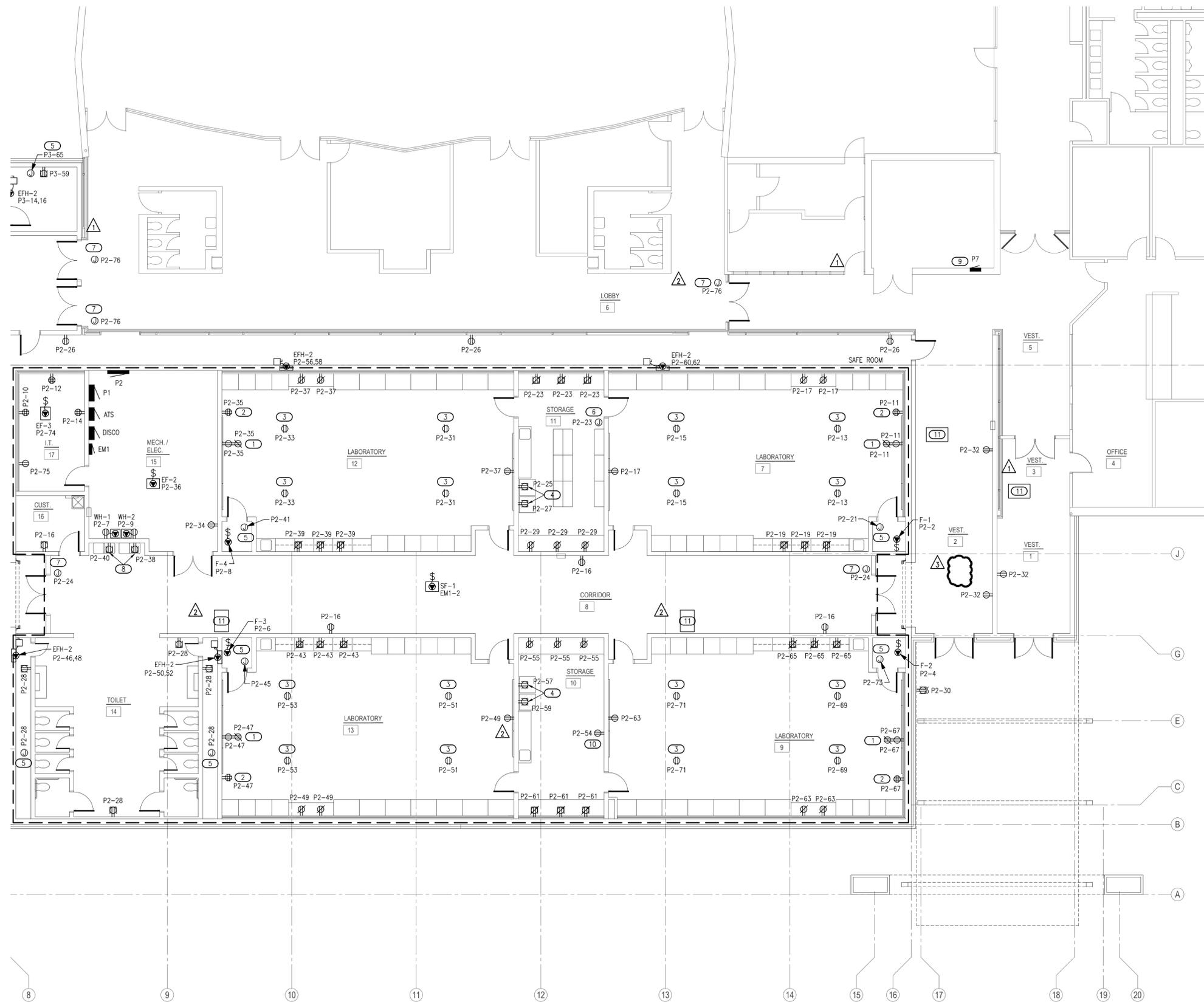
NOTES: M.C. IS RESPONSIBLE FOR PROVIDING ANY AND ALL NECESSARY DIMENSIONAL, ELECTRICAL, MECHANICAL, AND STRUCTURAL ALTERATIONS NECESSITATED BY PROVIDING ALTERNATE EQUIPMENT.

- PROVIDE ELECTRONIC SPEED CONTROL MOUNTED ABOVE ACCESSIBLE CEILING.
- M.C. SHALL PROVIDE LOW VOLTAGE MOTORIZED DAMPER.
- OPERATION OF DEVICE ON OCCUPIED MODE OF RTU OR SWITCH WITH LIGHTS. SEE INTERLOCK/CONTROL COLUMN FOR TYPE.
- PROVIDE UNIT MOUNTED DISCONNECT.
- FAN AND MOTORIZED DAMPER ARE PART OF EMERGENCY POWER SYSTEM. COORDINATE ALL CIRCUITS WITH E.C.
- ALL WIRING TO FAN AND DAMPER SHALL BE BY E.C.
- PROVIDE 120V DAMPER.

LOUVER SCHEDULE									
L #	CONNECTED TO	SIZE (IN) (WXH)	MINIMUM FREE AREA	FLANGE	CONSTRUCTION	INCLUDE MOD	MANUFACTURER AND MODEL NUMBER	COMMENTS	NOTES
1	WC DOOR	8.5X8.5	0.28	YES	STEEL	NO	AIR CONDITIONING PRODUCTS SCL	SIGHT PROOF DOOR LOUVER	1-2
2	GEN ENCLOSURE	60X48	9.6	YES	ALUMINUM	-	GREENHECK AFL-501	5" FEMA RATED LOUVER - PROVIDE ADDITIONAL DRAINABLE LOUVER (GREENHECK ESD-403)	1-2
3	GEN ENCLOSURE	18X18	1.55	YES	ALUMINUM	-	GREENHECK AFL-501	5" FEMA RATED LOUVER - PROVIDE ADDITIONAL DRAINABLE LOUVER (GREENHECK ESD-403)	1-2
4	GEN ENCLOSURE	42X36	4.75	YES	ALUMINUM	-	GREENHECK AFL-501	5" FEMA RATED LOUVER - PROVIDE ADDITIONAL DRAINABLE LOUVER (GREENHECK ESD-403)	1-2
5	SF-1	36X24	2.47	YES	ALUMINUM	-	GREENHECK AFL-501	5" FEMA RATED LOUVER - PROVIDE ADDITIONAL DRAINABLE LOUVER (GREENHECK ESD-403)	1-2

NOTES: M.C. IS RESPONSIBLE FOR PROVIDING ANY AND ALL NECESSARY DIMENSIONAL, ELECTRICAL, MECHANICAL, AND STRUCTURAL ALTERATIONS NECESSITATED BY PROVIDING ALTERNATE EQUIPMENT.

- PROVIDE PAINTED KYMAR FINISH. COLOR BY ARCHITECT.
- PROVIDE SLIP FIT COLLAR.



POWER GENERAL NOTES

- COORDINATE EXACT LOCATIONS OF DEVICES SHOWN WITH OTHER EQUIPMENT. COORDINATE EXACT LOCATION OF CEILING MOUNTED DEVICES WITH LIGHTS, HVAC EQUIPMENT, AND OTHER DEVICES.
- COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE ALL RELAYS, CONNECTIONS, AND ALL DEVICES NECESSARY TO INTERLOCK EXHAUST FANS, DAMPERS, ETC WITH PROPER CONTROL DEVICES.
- COORDINATE EXACT LOCATION OF MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR. REFER TO MECHANICAL PLANS AND MANUFACTURER FOR ADDITIONAL INFORMATION.
- COORDINATE EXACT LOCATION OF PLUMBING EQUIPMENT WITH PLUMBING CONTRACTOR. REFER TO PLUMBING PLANS AND MANUFACTURER FOR ADDITIONAL INFORMATION.
- ALL RECEPTACLES LOCATED AT COUNTERTOP HEIGHT SHALL BE ORIENTED HORIZONTALLY.
- FIRE STOP ALL PENETRATIONS IN FIRE AND SMOKE RATED WALLS. REFER TO ARCHITECTURAL PLANS FOR LOCATIONS AND ADDITIONAL INFORMATION.
- ALL EXISTING PANELS AND ASSOCIATED BRANCH CIRCUITING BELIEVED TO BE MISSING GROUNDING ELECTRODE CONDUCTOR AND/OR EQUIPMENT GROUNDING CONDUCTORS. FOR PANELS BEING REPLACED, CONTRACTOR TO INVESTIGATE EXISTING CONDITIONS AND PROVIDE NEW GROUNDING WIRES AS REQUIRED. REFER TO KEYED NOTE 9 FOR ADDITIONAL INFORMATION.

SAFEROOM GENERAL NOTES

PER ICC 500-2014, 309.1:

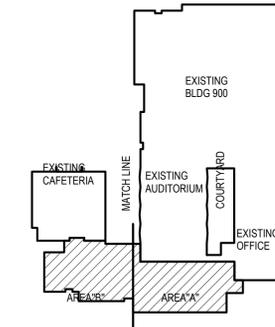
PENETRATIONS THROUGH THE STORM SHELTER ENVELOPE THAT ARE LARGER THAN:

- 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.

KEYED NOTES

- PROVIDE 120V CONNECTION FOR SMARTBOARD. COORDINATE FINAL LOCATION AND REQUIREMENTS WITH THE OWNER/ARCHITECT PRIOR TO ROUGH-IN. REFER TO DETAIL 'E502/1' FOR ADDITIONAL INFORMATION.
- APPROXIMATE LOCATION OF TEACHERS DESK. COORDINATE FINAL LOCATION AND REQUIREMENTS WITH THE OWNER/ARCHITECT PRIOR TO ROUGH-IN. REFER TO DETAIL 'E502/1' FOR ADDITIONAL INFORMATION.
- PROVIDE 120V DROP CORD RECEPTACLE FOR GENERAL USE. COORDINATE FINAL LOCATION AND REQUIREMENTS WITH THE OWNER/ARCHITECT PRIOR TO ROUGH-IN. REFER TO DETAIL 'E502/2' FOR ADDITIONAL INFORMATION.
- PROVIDE DEDICATED 120V RECEPTACLES FOR REFRIGERATOR & FREEZER. COORDINATE FINAL LOCATIONS AND REQUIREMENTS WITH THE ARCHITECT/OWNER PRIOR TO ROUGH-IN.
- PROVIDE 120V CONNECTION FOR TRAP PRIMER. COORDINATE FINAL LOCATION AND REQUIREMENTS WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
- PROVIDE EMERGENCY NATURAL GAS SHUT-OFF SWITCH INTERLOCKED WITH NATURAL GAS SOLENOID VALVE. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
- PROVIDE 120V CONNECTION FOR DOOR HOLD-OPEN SYSTEM. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH LOW VOLTAGE CONTRACTOR.
- PROVIDE 120V WATER COOLER CONNECTION. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH THE ARCHITECT, OWNER, AND PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
- EXISTING BRANCH CIRCUITS TO BE RECONNECTED TO NEW PANEL. PROVIDE NEW WIRING AND CONDUIT AS REQUIRED TO EXTEND CIRCUITS AS NEEDED. REFER TO GENERAL NOTES ABOVE. UPDATE GROUND WIRING AS REQUIRED.
- PROVIDE 120V DEDICATED CONNECTION FOR 3D PRINTER. COORDINATE EXACT LOCATION WITH THE OWNER ON SITE.
- MINI SPLIT INDOOR UNIT TO BE POWERED FROM OUTDOOR UNIT. COORDINATE EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR ON SITE.



KEYPLAN
NO SCALE



DWG
drawn by
TVO
checked by
APRIL 2025
date

revisions
 1 06/27/2025 AD 01
 2 08/13/2025 AD 02
 3 08/15/2025 AD 04

MOORE PUBLIC SCHOOLS
BOARD OF EDUCATION
MOORE, OKLAHOMA



CLASSROOM ADDITION
CENTRAL JUNIOR
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sheet no:

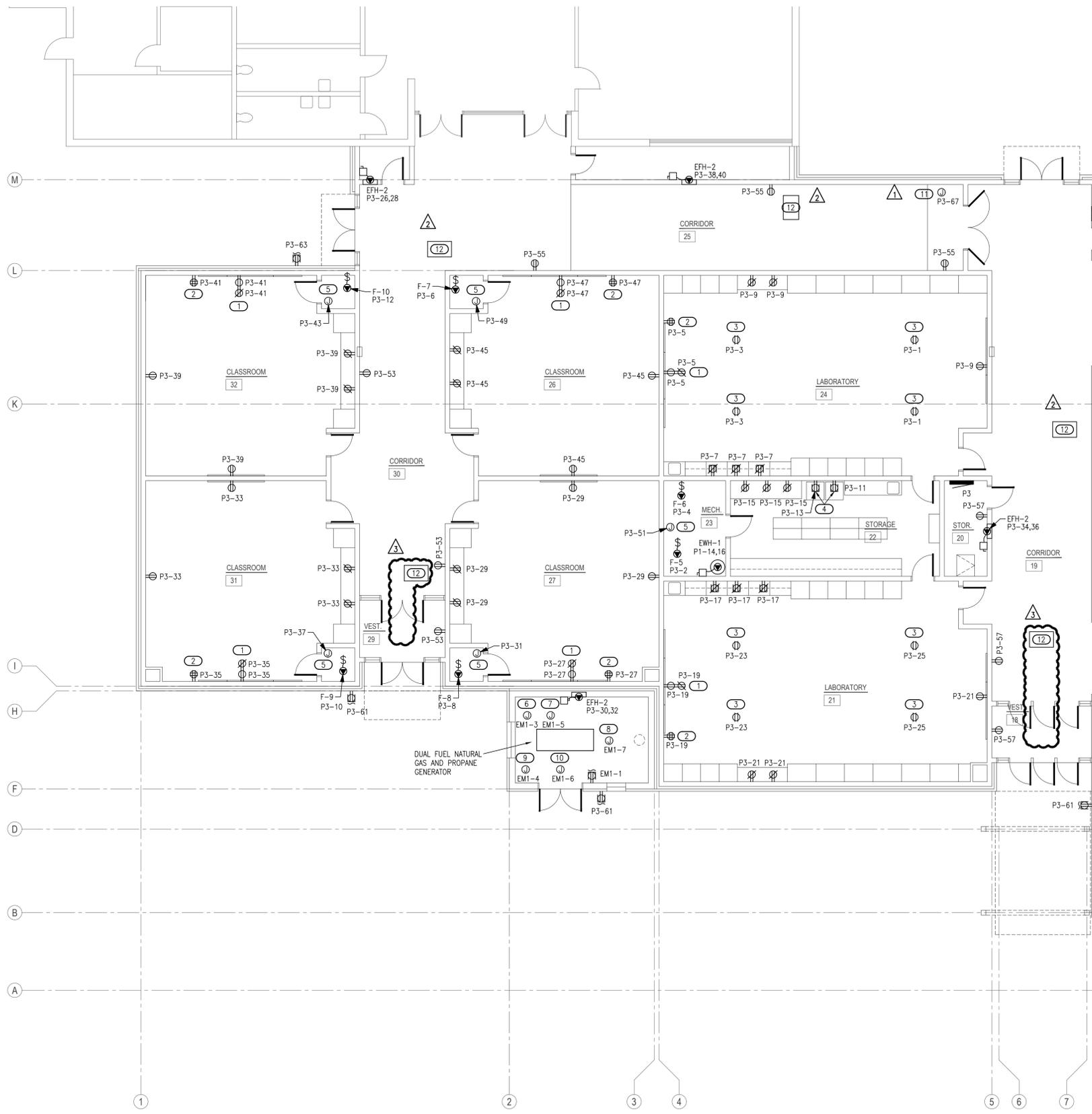
E201

1 ELECTRICAL POWER PLAN - AREA A
SCALE: 1/8" = 1'-0"



Salas O'Brien
2900 S. Telephone Road, Suite 120
Moore, OK 73160
Salas O'Brien Registration: CA# 7058
Expiration Date: 6/30/2025
Salas O'Brien Project Number: 2550-00564-00

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- ### POWER GENERAL NOTES
- COORDINATE EXACT LOCATIONS OF DEVICES SHOWN WITH OTHER EQUIPMENT, COORDINATE EXACT LOCATION OF CEILING MOUNTED DEVICES WITH LIGHTS, HVAC EQUIPMENT, AND OTHER DEVICES.
 - COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE ALL RELAYS, CONNECTIONS, AND ALL DEVICES NECESSARY TO INTERLOCK EXHAUST FANS, DAMPERS, ETC WITH PROPER CONTROL DEVICES.
 - COORDINATE EXACT LOCATION OF MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR. REFER TO MECHANICAL PLANS AND MANUFACTURER FOR ADDITIONAL INFORMATION.
 - COORDINATE EXACT LOCATION OF PLUMBING EQUIPMENT WITH PLUMBING CONTRACTOR. REFER TO PLUMBING PLANS AND MANUFACTURER FOR ADDITIONAL INFORMATION.
 - ALL RECEPTACLES LOCATED AT COUNTERTOP HEIGHT SHALL BE ORIENTED HORIZONTALLY.
 - FIRE STOP ALL PENETRATIONS IN FIRE AND SMOKE RATED WALLS. REFER TO ARCHITECTURAL PLANS FOR LOCATIONS AND ADDITIONAL INFORMATION

- ### 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
- PROVIDE 120V CONNECTION FOR SMARTBOARD. COORDINATE FINAL LOCATION AND REQUIREMENTS WITH THE OWNER/ARCHITECT PRIOR TO ROUGH-IN. REFER TO DETAIL 'E502/1' FOR ADDITIONAL INFORMATION.
 - APPROXIMATE LOCATION OF TEACHERS DESK. COORDINATE FINAL LOCATION AND REQUIREMENTS WITH THE OWNER/ARCHITECT PRIOR TO ROUGH-IN. REFER TO DETAIL 'E502/1' FOR ADDITIONAL INFORMATION.
 - PROVIDE 120V DROP CORD RECEPTACLE FOR GENERAL USE. COORDINATE FINAL LOCATION AND REQUIREMENTS WITH THE OWNER/ARCHITECT PRIOR TO ROUGH-IN. REFER TO DETAIL 'E502/2' FOR ADDITIONAL INFORMATION.
 - PROVIDE DEDICATED 120V RECEPTACLES FOR REFRIGERATOR & FREEZER. COORDINATE FINAL LOCATIONS AND REQUIREMENTS WITH THE ARCHITECT/OWNER PRIOR TO ROUGH-IN.
 - PROVIDE 120V CONNECTION FOR TRAP PRIMER. COORDINATE FINAL LOCATION AND REQUIREMENTS WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
 - PROVIDE 120V GENERATOR BLOCK HEATER CONNECTION.
 - PROVIDE 120V GENERATOR BATTERY HEATER CONNECTION.
 - PROVIDE 120V GENERATOR BATTERY CHARGER CONNECTION.
 - PROVIDE 120V CONNECTION FOR LP GAS SENSOR PANEL. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH PLUMBING CONTRACTOR ON SITE.
 - PROVIDE 120V CONNECTION FOR LP GAS SOLENOID VALVE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH PLUMBING CONTRACTOR ON SITE.
 - PROVIDE 120V CONNECTION FOR DOOR HOLD-OPEN SYSTEM. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH LOW VOLTAGE CONTRACTOR.
 - MINI SPLIT INDOOR UNIT TO BE POWERED FROM OUTDOOR UNIT. COORDINATE EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR ON SITE.



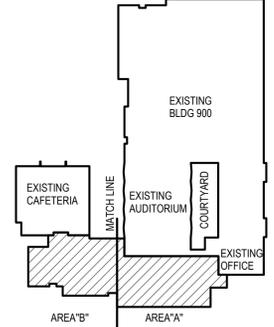
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CLASSROOM ADDITION
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E202

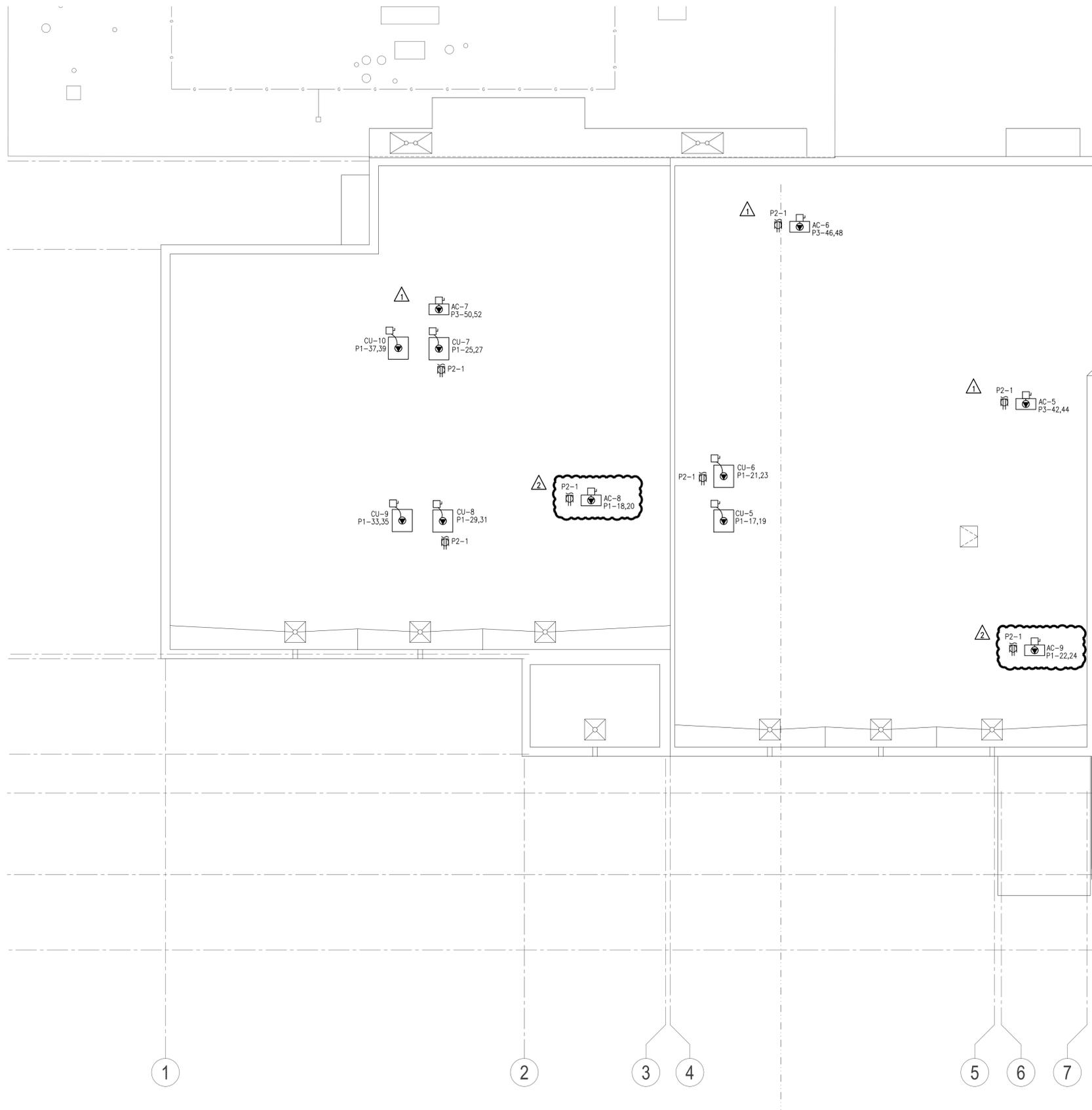


KEYPLAN
 NO SCALE



Salas O'Brien
 2800 S. Telephone Road, Suite 120
 Moore, OK 73160
 Salas O'Brien Registration: CA# 7058
 Expiration Date: 6/30/2025
 Salas O'Brien Project Number: 2550-00564-00

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ROOF POWER GENERAL NOTES

1. COORDINATE EXACT LOCATIONS OF DEVICES SHOWN WITH OTHER EQUIPMENT.
2. COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE ALL RELAYS, CONNECTIONS, AND ALL DEVICES NECESSARY TO INTERLOCK EXHAUST FANS, DAMPERS, ETC WITH PROPER DEVICES.
3. COORDINATE EXACT LOCATIONS OF MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR.
4. FIRMLY MOUNT WEATHERPROOF 120V CONVENIENCE OUTLET ON UNISTRUT/KINDORF. COORDINATE WITH OTHER TRADES PRIOR TO ROUGH-IN. REDUNDANT RECEPTACLES, WHETHER STAND-ALONE OR INTEGRAL TO A UNIT, MAY BE OMITTED SO LONG AS ALL OF THE REQUIREMENTS OF NEC 210.63 ARE SATISFIED.

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.

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 MECHANICAL / ELECTRICAL

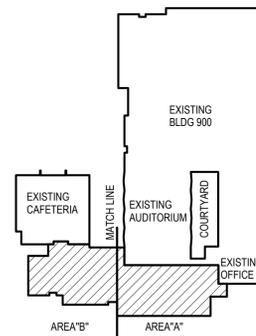


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1 ELECTRICAL ROOF PLAN - AREA B
 SCALE: 1/8" = 1'-0"



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Panel P3		ROOM MOUNTING SURFACE	VOLTS 208Y/120V 3P 4W	AIC 65,000			
		FED FROM P1	BUS AMPS 225	MAIN BKR 225			
		NOTE [DOUBLE TUB]	NEUTRAL 100%	LUGS STANDARD			
CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION	CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION
1	20/1	0.36	RM 24 RECEPTACLE	a	2	20/1	1.92 F-5
3	20/1	0.36	RM 24 RECEPTACLE	b	4	20/1	1.66 F-6
5	20/1	0.72	RM 24 RECEPTACLE, SMARTBOARD, TEACHER DESK	c	6	20/1	1.18 F-7
7	20/1	0.54	RM 24 RECEPTACLE	a	8	20/1	1.18 F-8
9	20/1	0.54	RM 24 RECEPTACLE	b	10	20/1	1.18 F-9
11	20/1	0.8	RM 22 FREEZER	c	12	20/1	1.18 F-10
13	20/1	0.8	RM 22 REFRIGERATOR	a	14	20/2	2 EFH-2
15	20/1	0.54	RM 22 RECEPTACLE	b	16		
17	20/1	0.54	RM 21 RECEPTACLE	c	18	20/1	0.4 LIGHTING
19	20/1	0.72	RM 21 RECEPTACLE, SMARTBOARD, TEACHER DESK	a	20	20/1	1.29 LIGHTING
21	20/1	0.54	RM 21 RECEPTACLE	b	22	20/1	1.41 LIGHTING
23	20/1	0.36	RM 21 RECEPTACLE	c	24	20/1	0.883 LIGHTING
25	20/1	0.36	RM 21 RECEPTACLE	a	26	20/2	2 EFH-2
27	20/1	0.72	RM 27 RECEPTACLE, SMARTBOARD, TEACHER DESK	b	28		
29	20/1	0.72	RM 27 RECEPTACLE	c	30	20/2	2 EFH-2
31	20/1	0.1	TRAP PRIMER	a	32		
33	20/1	0.72	RM 31 RECEPTACLE	b	34	20/2	2 EFH-2
35	20/1	0.72	RM 31 RECEPTACLE, SMARTBOARD, TEACHER DESK	c	36		
37	20/1	0.1	TRAP PRIMER	a	38	20/2	2 EFH-2
39	20/1	0.72	RM 32 RECEPTACLE	b	40		
41	20/1	0.72	RM 32 RECEPTACLE, SMARTBOARD, TEACHER DESK	c	42	20/2	2.91 AC-5
43	20/1	0.1	TRAP PRIMER	a	44		
45	20/1	0.72	RM 26 RECEPTACLE	b	46	20/2	2.91 AC-6
47	20/1	0.72	RM 26 RECEPTACLE, SMARTBOARD, TEACHER DESK	c	48		
49	20/1	0.1	TRAP PRIMER	a	50	20/2	2.91 AC-7
51	20/1	0.1	TRAP PRIMER	b	52		
53	20/1	0.54	CORRIDOR 30 RECEPTACLE, RM 29 RECEPTACLE	c	54	20/1	0 SPACE
55	20/1	0.54	CORRIDOR 25 RECEPTACLE	a	56	20/1	0 SPACE
57	20/1	0.54	CORRIDOR 19 RECEPTACLE, RM 18 RECEPTACLE, RM 20 RECEPTACLE	b	58	20/1	0 SPACE
59	20/1	0.18	FIRE ALARM CONTROL PANEL	c	60	20/1	0 SPACE
61	20/1	0.54	EXTERIOR RECEPTACLE	a	62	20/1	0 SPACE
63	20/1	0.18	EXTERIOR RECEPTACLE	b	64	20/1	0 SPACE
65	20/1	0.1	TRAP PRIMER	c	66	20/1	0 SPACE
67	20/1	0.01	DOOR HOLD-OPEN SYSTEM	a	68	20/1	0 SPACE
69	20/1	0	SPACE	b	70	20/1	0 SPACE
71	20/1	0	SPACE	c	72	20/1	0 SPACE
73	20/1	0	SPACE	a	74	20/1	0 SPACE
75	20/1	0	SPACE	b	76	20/1	0 SPACE
77	20/1	0	SPACE	c	78	20/1	0 SPACE
79	20/1	0	SPACE	a	80	20/1	0 SPACE
81	20/1	0	SPACE	b	82	20/1	0 SPACE
83	20/1	0	SPACE	c	84	20/1	0 SPACE

	CONN KVA	CALC KVA		CONN KVA	CALC KVA
LIGHTING	3.98	4.98	(125%)	RECEPTACLES	16.1
LARGEST MOTOR	2.91	0.728	(25%)	HEATING	18.7
MOTORS	8.28	8.28	(100%)	COOLING	8.74
				TOTAL LOAD	45.8
				BALANCED 3-PHASE LOAD	127 A
				PHASE A	99.3%
				PHASE B	107%
				PHASE C	93.3%

Panel P2		ROOM MOUNTING SURFACE	VOLTS 208Y/120V 3P 4W	AIC 65,000			
		FED FROM P1	BUS AMPS 225	MAIN BKR MLO			
		NOTE [DOUBLE TUB]	NEUTRAL 100%	LUGS STANDARD			
CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION	CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION
1	20/1	1.26	ROOFTOP RECEPTACLE	a	2	20/1	1.66 F-1
3	20/1	0.54	ROOFTOP RECEPTACLE	b	4	20/1	1.92 F-2
5	20/1	0.24	EF-1	c	6	20/1	1.92 F-3
7	20/1	0.1	WH-1	a	8	20/1	1.66 F-4
9	20/1	0.1	WH-2	b	10	20/1	0.36 I.T. RECEPTACLE
11	20/1	0.72	RM 7 RECEPTACLE, SMARTBOARD, TEACHER DESK	c	12	20/1	0.36 I.T. RECEPTACLE
13	20/1	0.36	RM 7 RECEPTACLE	a	14	20/1	0.36 I.T. RECEPTACLE
15	20/1	0.36	RM 7 RECEPTACLE	b	16	20/1	0.72 CORRIDOR 8 RECEPTACLE, RM 16 RECEPTACLE
17	20/1	0.54	RM 7 RECEPTACLE	c	18	20/1	1.21 LIGHTING
19	20/1	0.54	RM 7 RECEPTACLE	a	20	20/1	1.25 LIGHTING
21	20/1	0.1	TRAP PRIMER	b	22	20/1	0.21 LIGHTING
23	20/1	0.59	GAS SOLENOID VALVE, RM 11 RECEPTACLE	c	24	20/1	0.02 DOOR HOLD-OPEN SYSTEM
25	20/1	0.8	RM 11 FREEZER	a	26	20/1	0.54 CHASE RECEPTACLE
27	20/1	0.8	RM 11 REFRIGERATOR	b	28	20/1	0.92 PLUMBING CHASE RECEPTACLE, RM 14 RECEPTACLE, TRAP PRIMER
29	20/1	0.54	RM 11 RECEPTACLE	c	30	20/1	0.18 EXTERIOR RECEPTACLE
31	20/1	0.36	RM 12 RECEPTACLE	a	32	20/1	0.54 RECEPTACLE, RM 1 RECEPTACLE, RM 2 RECEPTACLE
33	20/1	0.36	RM 12 RECEPTACLE	b	34	20/1	0.18 RM 15 RECEPTACLE
35	20/1	0.72	RM 12 RECEPTACLE, SMARTBOARD, TEACHER DESK	c	36	20/1	0.24 EF-2
37	20/1	0.54	RM 12 RECEPTACLE	a	38	20/1	0.5 WATER COOLER
39	20/1	0.54	RM 12 RECEPTACLE	b	40	20/1	0.5 WATER COOLER
41	20/1	0.1	TRAP PRIMER	c	42	20/1	0 SPACE
43	20/1	0.54	RM 13 RECEPTACLE	a	44	20/1	0 SPACE
45	20/1	0.1	TRAP PRIMER	b	46	20/2	2 EFH-2
47	20/1	0.72	RM 13 RECEPTACLE, SMARTBOARD, TEACHER DESK	c	48		
49	20/1	0.54	RM 13 RECEPTACLE	a	50	20/2	2 EFH-2
51	20/1	0.36	RM 13 RECEPTACLE	b	52		
53	20/1	0.36	RM 13 RECEPTACLE	c	54	20/1	1.2 3D PRINTER
55	20/1	0.54	RM 10 RECEPTACLE	a	56	20/2	2 EFH-2
57	20/1	0.8	RM 10 FREEZER	b	58		
59	20/1	0.8	RM 10 REFRIGERATOR	c	60	20/2	2 EFH-2
61	20/1	0.54	RM 10 RECEPTACLE	a	62		
63	20/1	0.54	RM 9 RECEPTACLE	b	64	20/2	0.798 LIGHTING
65	20/1	0.54	RM 9 RECEPTACLE	c	66		
67	20/1	0.72	RM 9 RECEPTACLE, SMARTBOARD, TEACHER DESK	a	68	20/2	0.665 LIGHTING
69	20/1	0.36	RM 9 RECEPTACLE	b	70		
71	20/1	0.36	RM 9 RECEPTACLE	c	72	20/1	0.3 LIGHTING
73	20/1	0.1	TRAP PRIMER	a	74	20/1	0.168 EF-3
75	20/1	0.18	ACP	b	76	20/1	0.03 DOOR HOLD-OPEN SYSTEM
77	20/1	0	SPACE	c	78	20/1	0.322 LIGHTING
79	20/1	0	SPACE	a	80	20/1	0.881 LIGHTING
81	20/1	0	SPACE	b	82	20/1	0 SPACE
83	20/1	0	SPACE	c	84	20/1	0 SPACE

	CONN KVA	CALC KVA		CONN KVA	CALC KVA
LIGHTING	5.63	7.04	(125%)	MOTORS	8
LARGEST MOTOR	1.92	0.48	(25%)	RECEPTACLES	24.3
				HEATING	17.1
				TOTAL LOAD	40.7
				BALANCED 3-PHASE LOAD	113 A
				PHASE A	116%
				PHASE B	86.6%
				PHASE C	93.9%

Panel P1		ROOM MOUNTING SURFACE	VOLTS 208Y/120V 3P 4W	AIC 65,000			
		FED FROM UTILITY	BUS AMPS 600	MAIN BKR 600			
		NOTE	NEUTRAL 100%	LUGS STANDARD			
CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION	CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION
1	45/2	5.82	CU-1	a	2	225/3	45.9 PANEL P2
3				b	4		
5	50/2	6.66	CU-2	c	6		
7				a	8	225/3	47.1 PANEL P3
9	50/2	6.66	CU-3	b	10		
11				c	12		
13	45/2	5.82	CU-4	a	14	30/2	4.5 EWH-1
15				b	16		
17	50/2	6.66	CU-5	c	18	20/2	2.91 AC-8
19				a	20		
21	45/2	5.82	CU-6	b	22	20/2	2.91 AC-9
23				c	24		
25	30/2	3.95	CU-7	a	26	20/2	2.91 AC-1
27				b	28		
29	30/2	3.95	CU-8	c	30	20/2	2.91 AC-2
31				a	32		
33	30/2	3.95	CU-9	b	34	20/2	2.91 AC-3
35				c	36		
37	30/2	3.95	CU-10	a	38	20/2	2.91 AC-4
39				b	40		
41	20/1	0	SPACE	c	42	20/1	0 SPACE
43	20/1	0	SPACE	a	44	20/1	0 SPACE
45	20/1	0	SPACE	b	46	20/1	0 SPACE
47	20/1	0	SPACE	c	48	20/1	0 SPACE
49	20/1	0	SPACE	a	50	20/1	0 SPACE
51	20/1	0	SPACE	b	52	20/1	0 SPACE
53	20/1	0	SPACE	c	54	20/1	0 SPACE

	CONN KVA	CALC KVA		CONN KVA	CALC KVA
LIGHTING	9.62	12	(125%)	RECEPTACLES	40.4
LARGEST MOTOR	6.66	1.66	(25%)	HEATING	97.5
MOTORS	20.8	20.8	(100%)	COOLING	79.5
				TOTAL LOAD	157
				BALANCED 3-PHASE LOAD	436 A
				PHASE A	107%
				PHASE B	101%
				PHASE C	92.1%

Panel EM1		ROOM MOUNTING SURFACE	VOLTS 208Y/120V 3P 4W	AIC 65,000			
		FED FROM UTILITY	BUS AMPS 125	MAIN BKR 125			
		NOTE	NEUTRAL 100%	LUGS STANDARD			
CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION	CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION
1	20/1	0.18	RECEPTACLE	a	2	20/1	1.06 SF-1
3	20/1	0.5	BLOCK HEATER	b	4	20/1	0.1 LP GAS SENSOR PANEL
5	20/1	0.5	BATTERY HEATER	c	6	20/1	0.05 LP GAS SOLENOID VALVE
7	20/1	0.5	BATTERY CHARGER	a	8	20/1	0 SPACE
9	20/1	0.266	LIGHTING	b	10	20/1	0 SPACE
11	20/1	1.23	LIGHTING	c	12	20/1	0 SPACE
13	20/1	1.09	LIGHTING	a	14	20/1	0 SPACE
15	20/1	0.851	LIGHTING	b	16	20/1	0 SPACE
17	20/1	0	SPACE	c	18	20/1	0 SPACE
19	20/1	0	SPACE	a	20	20/1	0 SPACE
21	20/1	0	SPACE	b	22	20/1	0 SPACE
23	20/1	0	SPACE	c	24	20/1	0 SPACE
25	20/1	0	SPACE	a	26	20/1	0 SPACE
27	20/1	0	SPACE	b	28	20/1	0 SPACE
29	20/1	0	SPACE	c	30	20/1	0 SPACE
31	20/1	0	SPACE	a	32	20/1	0 SPACE
33	20/1	0	SPACE	b	34	20/1	0 SPACE
35	20/1	0	SPACE	c	36	20/1	0 SPACE
37	20/1	0	SPACE	a	38	20/1	0 SPACE
39	20/1	0	SPACE	b	40	20/1	0 SPACE
41	20/1	0	SPACE	c			

CEDAR CREEK

CIVIL

KFC ENGINEERING

STRUCTURAL

SALAS O'BRIEN

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MECHANICAL EQUIPMENT SCHEDULE											
CALLOUT	DESCRIPTION	VOLTS	HP	KVA	MCA	MOCP	CIRCUIT	WIRE CALLOUT	DISCONNECT	DISC PROV BY	DISC INST BY
AC-1	MINI SPLIT	208V 2P 2W		2.91	14	20	P1-26,28	3/4"C,2#10,#10G	NON-FUSED	MC	EC
AC-2	MINI SPLIT	208V 2P 2W		2.91	14	20	P1-30,32	3/4"C,2#10,#10G	NON-FUSED	MC	EC
AC-3	MINI SPLIT	208V 2P 2W		2.91	14	20	P1-34,36	3/4"C,2#10,#10G	NON-FUSED	MC	EC
AC-4	MINI SPLIT	208V 2P 2W		2.91	14	20	P1-38,40	3/4"C,2#10,#10G	NON-FUSED	MC	EC
AC-5	MINI SPLIT	208V 2P 2W		2.91	14	20	P3-42,44	3/4"C,2#10,#10G	NON-FUSED	MC	EC
AC-6	MINI SPLIT	208V 2P 2W		2.91	14	20	P3-46,48	3/4"C,2#10,#10G	NON-FUSED	MC	EC
AC-7	MINI SPLIT	208V 2P 2W		2.91	14	20	P3-50,52	3/4"C,2#10,#10G	NON-FUSED	MC	EC
AC-8	MINI SPLIT	208V 2P 2W		2.91	14	20	P1-18,20	3/4"C,2#12,#12G	NON-FUSED	MC	EC
AC-9	MINI SPLIT	208V 2P 2W		2.91	14	20	P1-22,24	3/4"C,2#12,#12G	NON-FUSED	MC	EC
CU-1	CONDENSING UNIT	208V 2P 2W		5.82	28	45	P1-1,3	3/4"C,2#10,#10G	NON-FUSED	EC	EC
CU-2	CONDENSING UNIT	208V 2P 2W		6.66	32	50	P1-5,7	3/4"C,2#8,#10G	NON-FUSED	EC	EC
CU-3	CONDENSING UNIT	208V 2P 2W		6.66	32	50	P1-9,11	3/4"C,2#8,#10G	NON-FUSED	EC	EC
CU-4	CONDENSING UNIT	208V 2P 2W		5.82	28	45	P1-13,15	3/4"C,2#10,#10G	NON-FUSED	EC	EC
CU-5	CONDENSING UNIT	208V 2P 2W		6.66	32	50	P1-17,19	3/4"C,2#8,#10G	NON-FUSED	EC	EC
CU-6	CONDENSING UNIT	208V 2P 2W		5.82	28	45	P1-21,23	3/4"C,2#10,#10G	NON-FUSED	EC	EC
CU-7	CONDENSING UNIT	208V 2P 2W		3.95	19	30	P1-25,27	3/4"C,2#10,#10G	NON-FUSED	EC	EC
CU-8	CONDENSING UNIT	208V 2P 2W		3.95	19	30	P1-29,31	3/4"C,2#10,#10G	NON-FUSED	EC	EC
CU-9	CONDENSING UNIT	208V 2P 2W		3.95	19	30	P1-33,35	3/4"C,2#10,#10G	NON-FUSED	EC	EC
CU-10	CONDENSING UNIT	208V 2P 2W		3.95	19	30	P1-37,39	3/4"C,2#10,#10G	NON-FUSED	EC	EC
EF-1	EXHAUST FAN	120V 1P 2W		0.24			P2-5	3/4"C,1#10,#10G	TOGGLE SWITCH	EC	EC
EF-2	EXHAUST FAN	120V 1P 2W		0.24			P2-36	3/4"C,1#12,#12N,#12G	TOGGLE SWITCH	EC	EC
EF-3	EXHAUST FAN	120V 1P 2W		0.17			P2-74	3/4"C,1#12,#12N,#12G	TOGGLE SWITCH	EC	EC
EFH-2	ELECTRIC FAN FORCED HEATER	208V 2P 2W		2			P3-14,16	3/4"C,2#12,#12G	NON-FUSED	EC	EC
EFH-2	ELECTRIC FAN FORCED HEATER	208V 2P 2W		2			P2-46,48	3/4"C,2#12,#12G	NON-FUSED	EC	EC
EFH-2	ELECTRIC FAN FORCED HEATER	208V 2P 2W		2			P2-50,52	3/4"C,2#12,#12G	NON-FUSED	EC	EC
EFH-2	ELECTRIC FAN FORCED HEATER	208V 2P 2W		2			P3-26,28	3/4"C,2#10,#10G	NON-FUSED	EC	EC
EFH-2	ELECTRIC FAN FORCED HEATER	208V 2P 2W		2			P2-56,58	3/4"C,2#12,#12G	NON-FUSED	EC	EC
EFH-2	ELECTRIC FAN FORCED HEATER	208V 2P 2W		2			P2-60,62	3/4"C,2#10,#10G	NON-FUSED	EC	EC
EFH-2	ELECTRIC FAN FORCED HEATER	208V 2P 2W		2			P3-34,36	3/4"C,2#12,#12G	NON-FUSED	EC	EC
EFH-2	ELECTRIC FAN FORCED HEATER	208V 2P 2W		2			P3-38,40	3/4"C,2#10,#10G	NON-FUSED	EC	EC
EFH-2	ELECTRIC FAN FORCED HEATER	208V 2P 2W		2			P3-30,32	3/4"C,2#10,#10G	NON-FUSED	EC	EC
EW-1	ELECTRIC WATER HEATER	208V 2P 2W		4.5			P1-14,16	3/4"C,2#10,#10G	NON-FUSED	EC	EC
F-1	GAS FURNACE	120V 1P 2W	3/4 HP	1.66			P2-2	3/4"C,1#10,#10N,#10G	TOGGLE SWITCH	EC	EC
F-2	GAS FURNACE	120V 1P 2W	1 HP	1.92			P2-4	3/4"C,1#10,#10N,#10G	TOGGLE SWITCH	EC	EC
F-3	GAS FURNACE	120V 1P 2W	1 HP	1.92			P2-6	3/4"C,1#12,#12N,#12G	TOGGLE SWITCH	EC	EC
F-4	GAS FURNACE	120V 1P 2W	3/4 HP	1.66			P2-8	3/4"C,1#12,#12N,#12G	TOGGLE SWITCH	EC	EC
F-5	GAS FURNACE	120V 1P 2W	1 HP	1.92			P3-2	3/4"C,1#12,#12N,#12G	TOGGLE SWITCH	EC	EC
F-6	GAS FURNACE	120V 1P 2W	3/4 HP	1.66			P3-4	3/4"C,1#12,#12N,#12G	TOGGLE SWITCH	EC	EC
F-7	GAS FURNACE	120V 1P 2W	1/2 HP	1.18			P3-6	3/4"C,1#10,#10N,#10G	TOGGLE SWITCH	EC	EC
F-8	GAS FURNACE	120V 1P 2W	1/2 HP	1.18			P3-8	3/4"C,1#10,#10N,#10G	TOGGLE SWITCH	EC	EC
F-9	GAS FURNACE	120V 1P 2W	1/2 HP	1.18			P3-10	3/4"C,1#10,#10N,#10G	TOGGLE SWITCH	EC	EC
F-10	GAS FURNACE	120V 1P 2W	1/2 HP	1.18			P3-12	3/4"C,1#10,#10N,#10G	TOGGLE SWITCH	EC	EC
SF-1	SUPPLY FAN	120V 1P 2W		1.06			EM1-2	3/4"C,1#10,#10N,#10G	TOGGLE SWITCH	EC	EC
WH-1	WATER HEATER	120V 1P 2W		0.1			P2-7	3/4"C,1#12,#12N,#12G	DUPLEX RECEPTACLE	EC	EC
WH-2	WATER HEATER	120V 1P 2W		0.1			P2-9	3/4"C,1#12,#12N,#12G	DUPLEX RECEPTACLE	EC	EC

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