

ADDENDUM NO. 2

TO: PLANS AND SPECIFICATIONS FOR STATE OF MISSOURI

**Interior & Exterior Renovations Missouri 4H Building
Missouri State Fairgrounds
Sedalia, Missouri
Project No. F2407-01**

Bid Opening Date: 1:30 PM, Thursday, October 30, (Not Changed)

Bidders are hereby informed that the construction Plans and/or Specifications are modified as follows:

SPECIFICATION CHANGES:

1. None

DRAWING CHANGES:

1. Sheet MEP2
 - a. REPLACE Sheet in its entirety
2. Sheet MEP3
 - a. REPLACE Sheet in its entirety
3. Sheet E101
 - a. REPLACE Sheet in its entirety
4. Sheet E102
 - a. REPLACE Sheet in its entirety
5. Sheet E501
 - a. REPLACE Sheet in its entirety
6. Sheet E601
 - a. REPLACE Sheet in its entirety
7. Sheet F101
 - a. REPLACE Sheet in its entirety
8. Sheet F102
 - a. REPLACE Sheet in its entirety

GENERAL COMMENTS:

1. None

ATTACHEMENTS:

1. Sheet MEP2
2. Sheet MEP3
3. Sheet E101
4. Sheet E102
5. Sheet E501
6. Sheet E601
7. Sheet F101
8. Sheet F102

October 23, 2025

END OF ADDENDUM NO. 2

SITE PLAN SYMBOL LEGEND

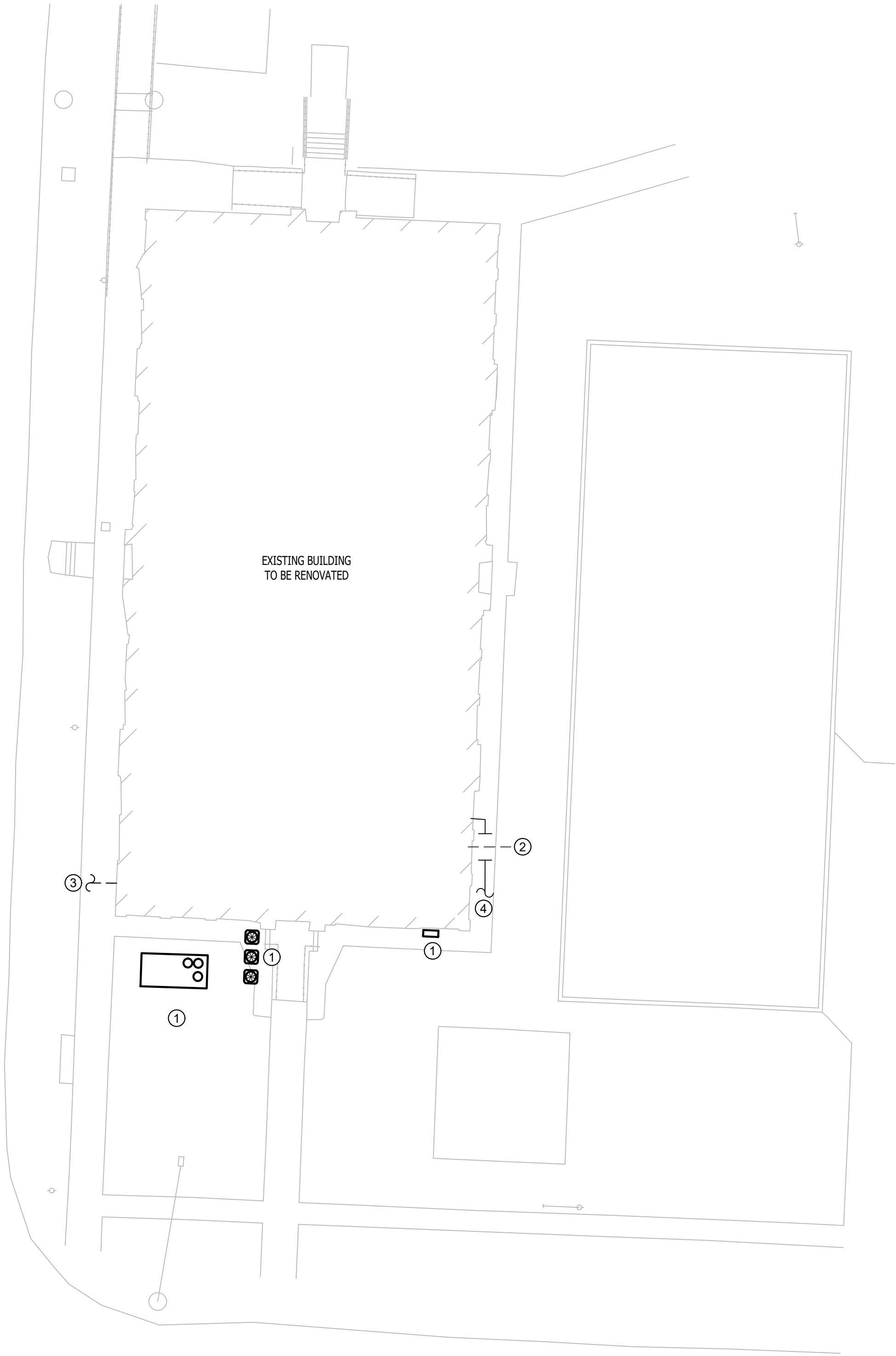
- SANITARY SEWER PIPING
- — — COLD WATER LINE
- ELECTRIC
- ✕ TIE INTO EXISTING

SITE UTILITIES PLAN GENERAL NOTES:

1. REFER TO CIVIL PLANS FOR EXACT UTILITY LOCATIONS, CONNECTIONS, DETAILS, ETC.

SITE UTILITIES PLAN KEY NOTES:

- ① SEE HVAC PLANS FOR EQUIPMENT INFORMATION.
- ② UNDERGROUND CONDUIT AND CONDUCTORS FROM PAD MOUNT TRANSFORMER. SEE POWER RISER FOR FURTHER INFORMATION.
- ③ NEW SANITARY PIPE. SEE CIVIL PLAN FOR CONTINUATION. SEE SHEET P-101 FOR FURTHER DETAILS.
- ④ NEW COMBINED DOMESTIC WATER AND FIRE SPRINKLER LINE CONNECTION; ESTIMATED SIZE SHALL BE 6". FIRE SPRINKLER CONTRACTOR & DESIGNER SHALL VERIFY PRIOR TO INSTALLATION. SEE CIVIL PLAN FOR CONTINUATION.



SITE UTILITY PLAN

SCALE: 1" = 20 ft

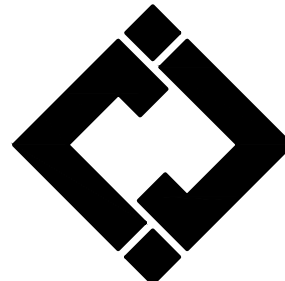
STATE OF MISSOURI
MIKE KEHOE
GOVERNOR



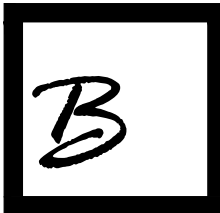
Keaton E. Leisinger, P.E.
PE-2021035875
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INTERIOR & EXTERIOR
RENOVATIONS, MISSOURI (4-H)
BUILDING
MISSOURI STATE FAIRGROUNDS
2503 W. 16TH ST
SEDALIA, MO 65301

PROJECT # F2407-01

SITE # 1501

ASSET # 3511501028

REVISION: ADDENDUM 2
DATE: 10/23/2025

ISSUE DATE: 6/27/2025

BID DOCUMENTS

CAD DWG FILE:
DRAWN BY: RXM
CHECKED BY: JAP
DESIGNED BY: KEL

SHEET TITLE:

SITE UTILITY PLAN

SHEET NUMBER:

MEP-2

SHEET OF 48

ROOF PLAN SYMBOL LEGEND



LOUVER & FAN



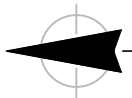
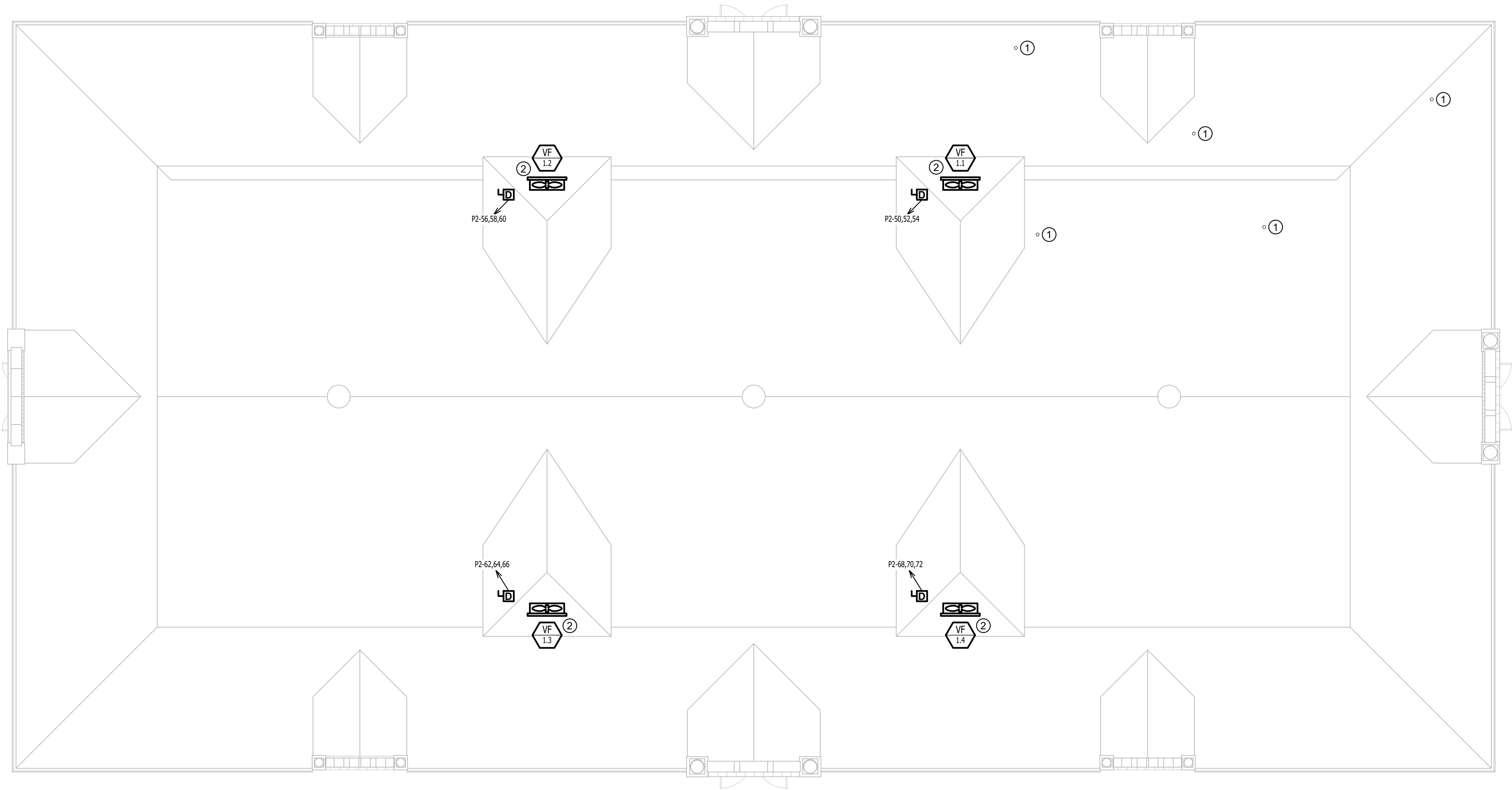
VENT THROUGH ROOF

ROOF PLAN GENERAL NOTES:

- REFER TO M500 AND/OR M600 SERIES SHEETS FOR ADDITIONAL HVAC NOTES, DETAILS, REQUIREMENTS, AND SCHEDULES.
- HVAC CONTRACTOR SHALL REVIEW ALL PROJECT DOCUMENTS AND COORDINATE LOCATION OF ALL EQUIPMENT, DUCTWORK, REFRIGERANT PIPING, CONDENSATE PIPING, HANGERS / SUPPORTS, ETC. WITH PLUMBING AND ELECTRICAL TRADES BEFORE INSTALLATION OF ANY MATERIAL. ADDITIONAL COSTS ASSOCIATED WITH LACK OF COORDINATION WILL NOT BE REIMBURSED.

ROOF PLAN KEY NOTES:

- VTR LOCATION. SEE PLUMBING PLANS FOR DETAILS.
- BASE BID: PROVIDE AND INSTALL LOUVER AND FAN ASSEMBLY IN EXISTING OPENING AS SHOWN. ELECTRICAL DISCONNECT SHALL BE MOUNTED INSIDE BUILDING ENVELOPE ADJACENT TO FAN ASSEMBLY.
ALTERNATE #1: CONTRACTOR SHALL NOT PROVIDE AND INSTALL LOUVER AND FAN ASSEMBLY OR ASSOCIATED ELECTRICAL DISCONNECTS. SEE ARCHITECTURAL PLANS FOR SEALING OPENING.



ROOF PLAN

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

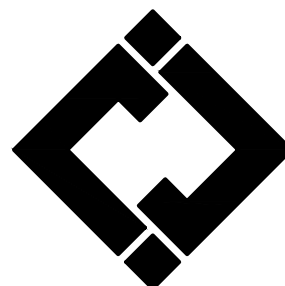
STATE OF MISSOURI
MIKE KEHOE
GOVERNOR



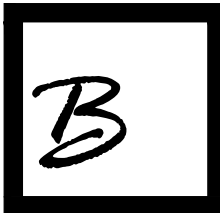
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CAD DWG FILE:
DRAWN BY: RXM
CHECKED BY: JAP
DESIGNED BY: KEL

SHEET TITLE:

ROOF PLAN

SHEET NUMBER:

MEP-3

SHEET OF 48

POWER PLAN SYMBOL LEGEND

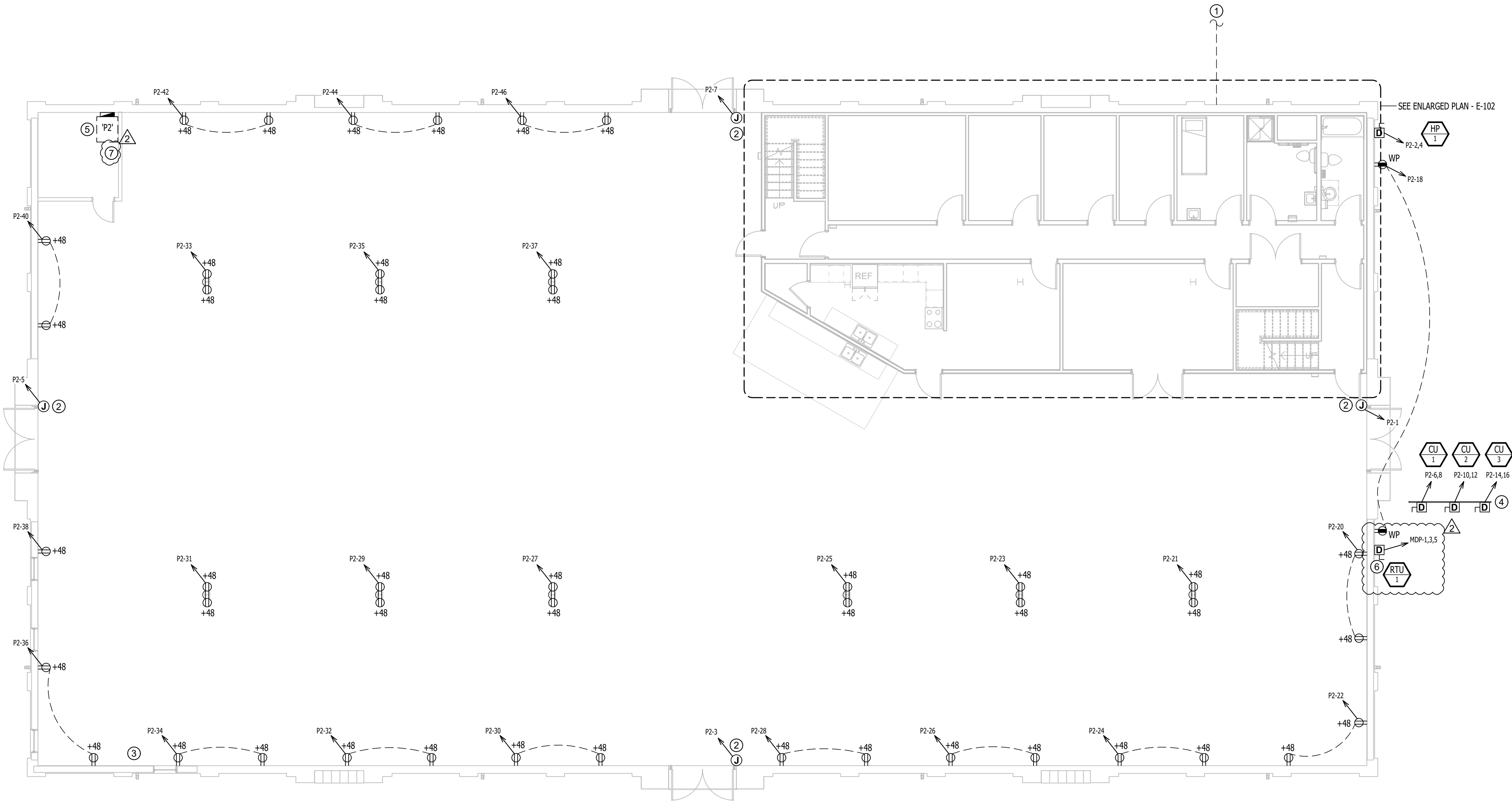
	CIRCUIT WIRING		WIRELESS ACCESS POINT, CEILING MOUNTED
	CIRCUIT TAG		FLOOR RECEPTACLE
	JUNCTION BOX		FLOOR DATA
	RECEPTACLE INDICATES MOUNTING HEIGHT TO BOTTOM OF BOX (STANDARD @ 18" AFF UNLESS NOTED OTHERWISE)		DISCONNECT
	"WP" = WEATHERPROOF OUTDOOR RECEPTACLE "AW" = ABOVE WINDOW RECEPTACLE "AC" = ABOVE CEILING RECEPTACLE "EX" = EXISTING RECEPTACLE TO REMAIN		FUSED DISCONNECT
	GFCI DUPLEX CONVENIENCE RECEPTACLE		FUSED SWITCH
	208V RECEPTACLE		STARTER / DISCONNECT
	QUADPLEX CONVENIENCE RECEPTACLE		TIE INTO EXISTING
	USB OUTLET WITH USB-A & USB-C CHARGING PORT		
	DATA / PHONE JACK BOX WITH 1" CONDUIT & PULL STRING) UP TO CEILING SPACE (STANDARD @ 18" AFF UNLESS NOTED OTHERWISE)		

POWER PLAN GENERAL NOTES:

- REFER TO E-500 AND/OR E-600 SERIES SHEETS FOR ADDITIONAL ELECTRICAL NOTES, DETAILS, REQUIREMENTS, AND SCHEDULES.
- ELECTRICAL CONTRACTOR SHALL REVIEW ALL PROJECT DOCUMENTS AND COORDINATE LOCATION OF ALL ELECTRICAL EQUIPMENT, WIRING, HANGERS / SUPPORTS, ETC. WITH HVAC AND PLUMBING TRADES BEFORE INSTALLATION OF ANY MATERIAL. ADDITIONAL COSTS ASSOCIATED WITH LACK OF COORDINATION WILL NOT BE REIMBURSED.
- CONTRACTOR SHALL PROVIDE ALTERNATE #1 PRICE FOR ANY ELECTRICAL MATERIALS AND LABOR ASSOCIATED WITH RTU-1 DETAILED ON THE PLANS.

POWER PLAN KEY NOTES:

- UNDERGROUND CONDUIT AND CONDUCTORS FROM EXISTING PAD MOUNT TRANSFORMER LOCATED APPROXIMATELY 275FT AWAY. PLEASE SEE THE POWER RISER FOR FURTHER DETAILS.
- POWER FOR AIR CURTAIN. COORDINATE WITH HVAC CONTRACTOR FOR FURTHER INFORMATION.
- DEMOLISH EXISTING ELECTRICAL SERVICE AND ALL ASSOCIATED ELECTRICAL CONDUIT AND CONDUCTORS SERVING THE BUILDING. NEW ELECTRICAL SERVICE SHALL BE PROVIDED FROM THE WEST SIDE OF THE BUILDING.
- CONTRACTOR SHALL MOUNT UNISTRUT RACK TO THE INSIDE OF THE ENCLOSURE AND MOUNT CONDENSING UNIT DISCONNECTS TO UNISTRUT RACK.
- CONTRACTOR SHALL MOUNT ROUTE CONDUIT TIGHT TO TOP OF BRICK WALL FROM THIS PANEL TO ELECTRICAL DEVICES.
- BASE BID: J-BOX WITH PULL STRING.
ALTERNATE #1: PROVIDE DISCONNECT FOR RTU POWER.
- BASE BID: LOCATION OF SWITCH FOR ALL VENT FANS. PROVIDE CONTACTOR AS REQUIRED. COORDINATE SWITCH HEIGHT WITH OWNER PRIOR TO INSTALLATION.
ALTERNATE #1: NO VENT FAN CONTROLS NEEDED.



OVERALL POWER PLAN

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

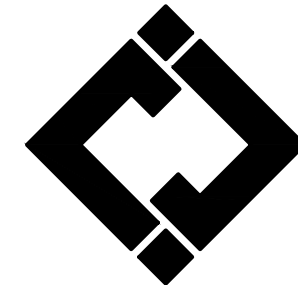
STATE OF MISSOURI
MIKE KEHOE
GOVERNOR



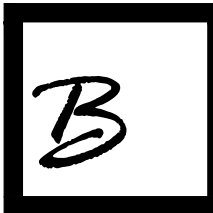
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BID DOCUMENTS

CAD DWG FILE: _____
DRAWN BY: RXM _____
CHECKED BY: JAP _____
DESIGNED BY: KEL _____

SHEET TITLE:

OVERALL
POWER
PLAN

SHEET NUMBER:

E-101

SHEET OF 48

POWER PLAN SYMBOL LEGEND

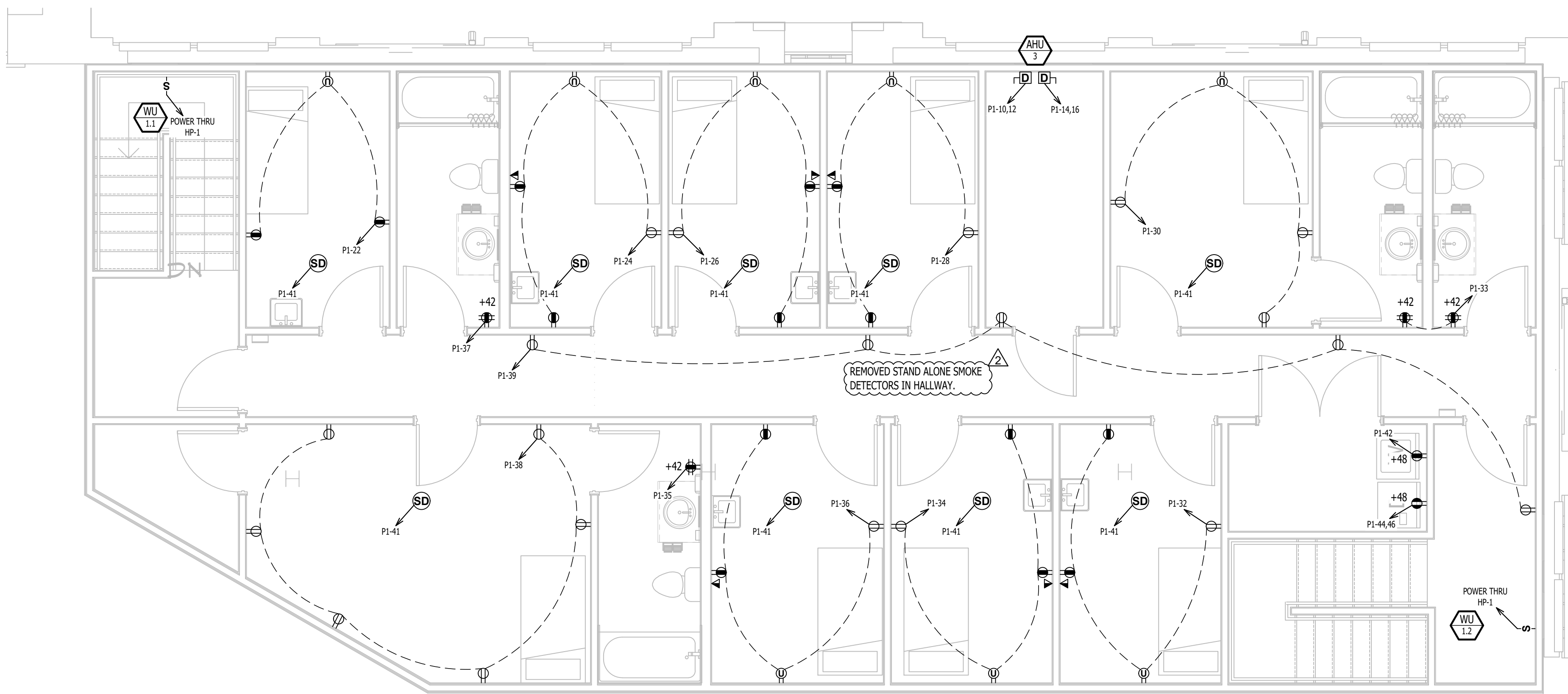
- CIRCUIT WIRING
- PX-XX CIRCUIT TAG
- Ⓝ JUNCTION BOX
- XX④+42 RECEPTACLE
INDICATES MOUNTING HEIGHT TO BOTTOM OF BOX
(STANDARD @ 18" AFF UNLESS NOTED OTHERWISE)
- "WP" = WEATHERPROOF OUTDOOR RECEPTACLE
"AW" = ABOVE WINDOW RECEPTACLE
"AC" = ABOVE CEILING RECEPTACLE
"EX" = EXISTING RECEPTACLE TO REMAIN
- Ⓜ GFCI DUPLEX CONVENIENCE RECEPTACLE
- Ⓜ 208V RECEPTACLE
- Ⓜ QUADPLEX CONVENIENCE RECEPTACLE
- Ⓜ USB OUTLET
WITH USB-A & USB-C CHARGING PORT
- ▼ DATA / PHONE JACK
BOX WITH 1" CONDUIT & PULL STRING) UP TO CEILING SPACE
(STANDARD @ 18" AFF UNLESS NOTED OTHERWISE)
- AP ▼ WIRELESS ACCESS POINT, CEILING MOUNTED
- Ⓜ FLOOR RECEPTACLE
- ▼ FLOOR DATA
- Ⓜ DISCONNECT
- Ⓜ 120V SMOKE DETECTOR
- ✕ TIE INTO EXISTING

POWER PLAN GENERAL NOTES:

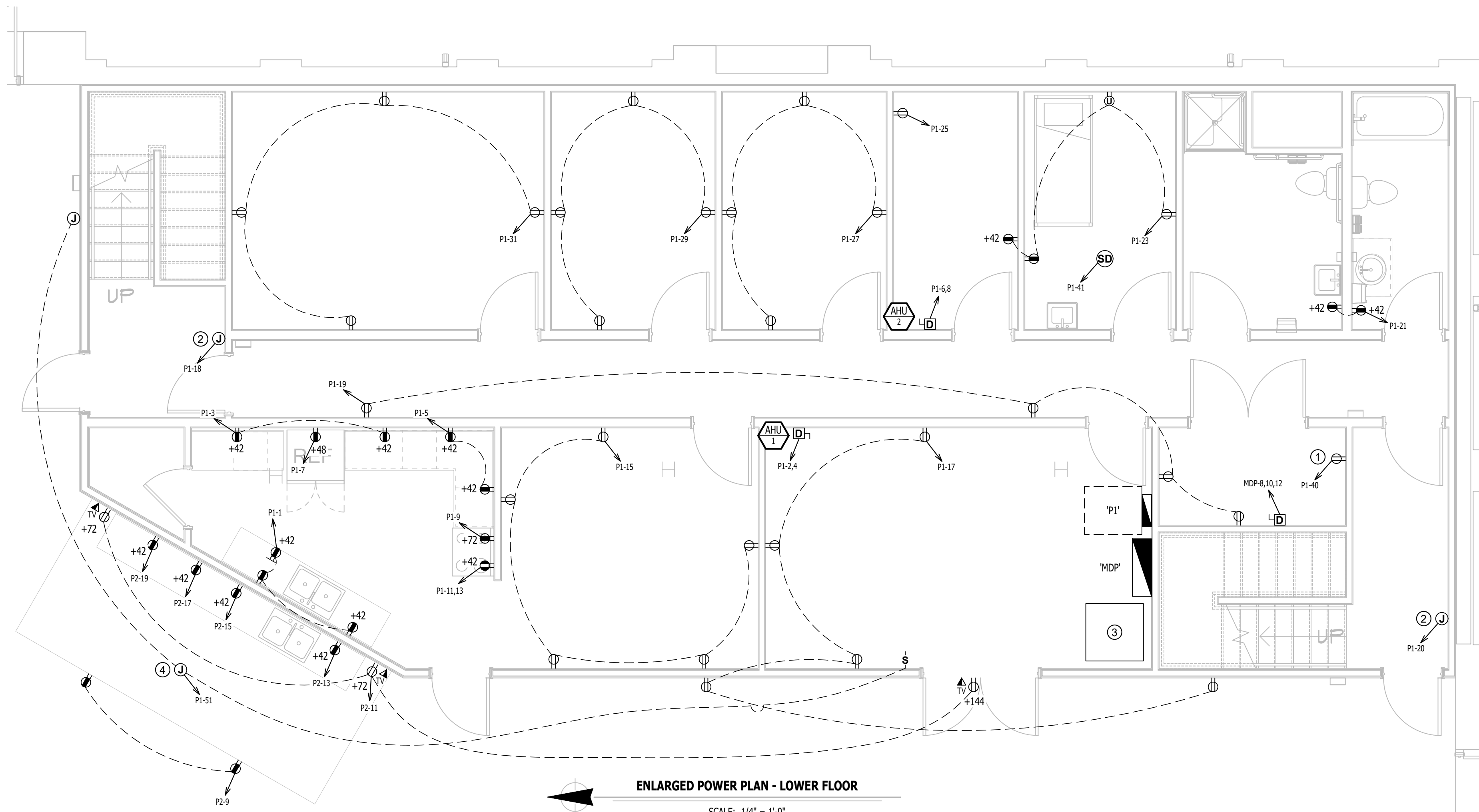
1. REFER TO E-500 AND/OR E-600 SERIES SHEETS FOR ADDITIONAL ELECTRICAL NOTES, DETAILS, REQUIREMENTS, AND SCHEDULES.
2. ELECTRICAL CONTRACTOR SHALL REVIEW ALL PROJECT DOCUMENTS AND COORDINATE LOCATION OF ALL ELECTRICAL EQUIPMENT, WIRING, HANGERS / SUPPORTS, ETC. WITH HVAC AND PLUMBING TRADES BEFORE INSTALLATION OF ANY MATERIAL. ADDITIONAL COSTS ASSOCIATED WITH LACK OF COORDINATION WILL NOT BE REIMBURSED.
3. ANY EXISTING ELECTRICAL EQUIPMENT, CIRCUITS, ETC. SHOWN IS FOR REFERENCE ONLY. ELECTRICAL CONTRACTOR TO FIELD VERIFY EXACT EQUIPMENT LOCATIONS, CONDITIONS, ETC. PRIOR TO BEGINNING WORK AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

POWER PLAN KEY NOTES:

- ① COORDINATE RECEPTACLE LOCATION WITH RETICULATION PUMP LOCATION. COORDINATE WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
- ② COORDINATE ELECTRIC HEATER POWER REQUIREMENTS WITH HVAC CONTRACTOR PRIOR TO ROUGH-IN.
- ③ NEW STEPDOWN TRANSFORMER WITH EQUIPMENT PAD. SEE POWER RISER FOR FURTHER DETAILS.
- ④ CONTRACTOR TO PROVIDE 2" CONDUIT CONNECTED TO TV JACK AND ROUTE TO KITCHEN CLOSET WITH PULL STRING. SEE KEY NOTE #5 FOR LOCATION.
- ⑤ KITCHEN CLOSET LOCATION. OWNER TO PROVIDE TV INTEGRATION SYSTEM.
- ⑥ CONTRACTOR TO PROVIDE 2" CONDUIT CONNECTED TO DATA JACK FOR OWNER PROVIDED SOUND SYSTEM CONNECTION AND ROUTE TO KITCHEN CLOSET WITH PULL STRING. SEE KEY NOTE #5 FOR LOCATION.



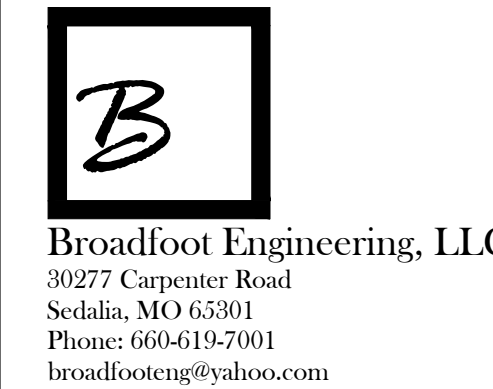
ENLARGED POWER PLAN - UPPER FLOOR
SCALE: 1/4" = 1'-0"



ENLARGED POWER PLAN - LOWER FLOOR
SCALE: 1/4" = 1'-0"



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SITE # 1501
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DESIGNED BY: KEL

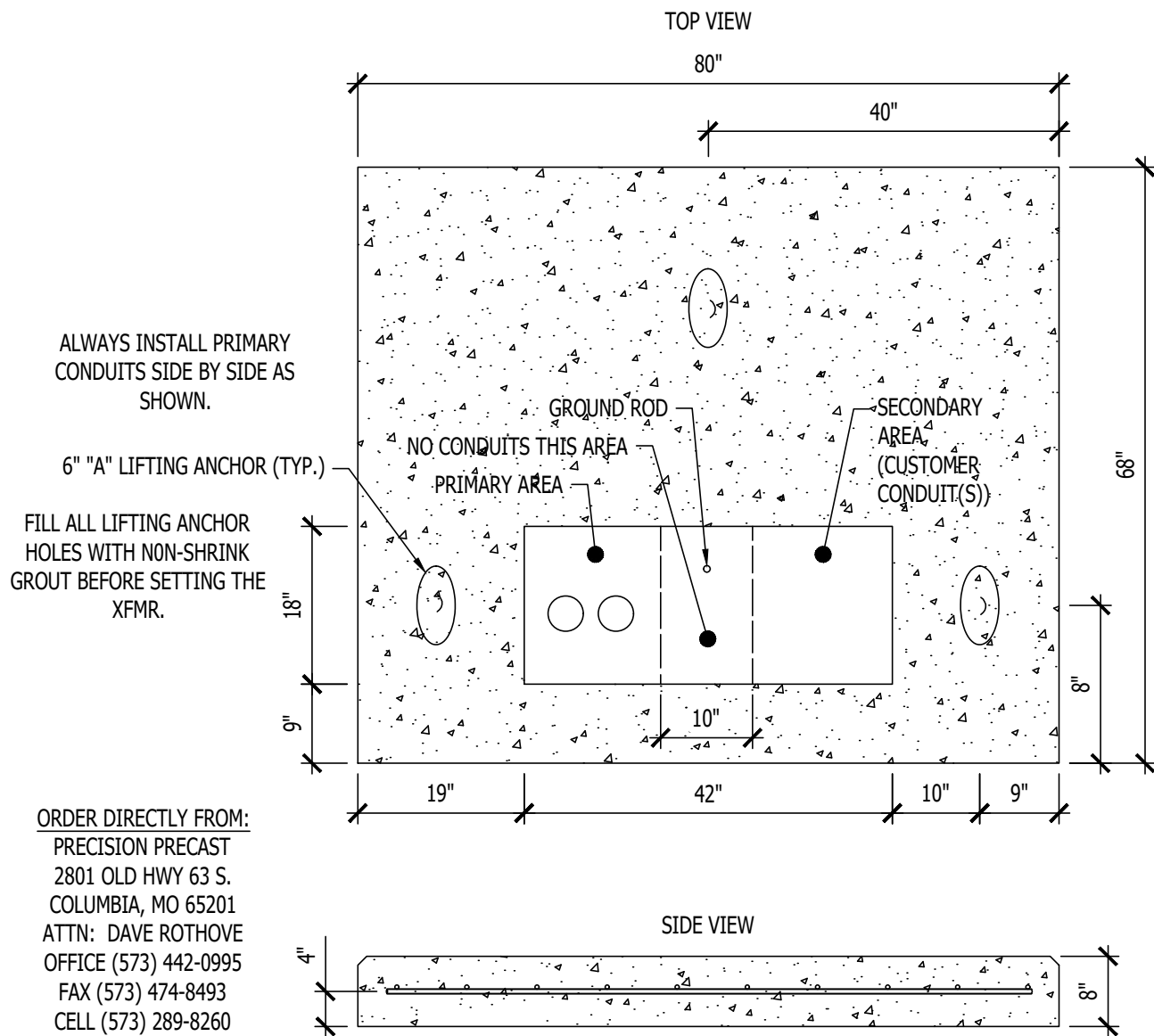
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ENLARGED
POWER
PLAN

SHEET NUMBER:

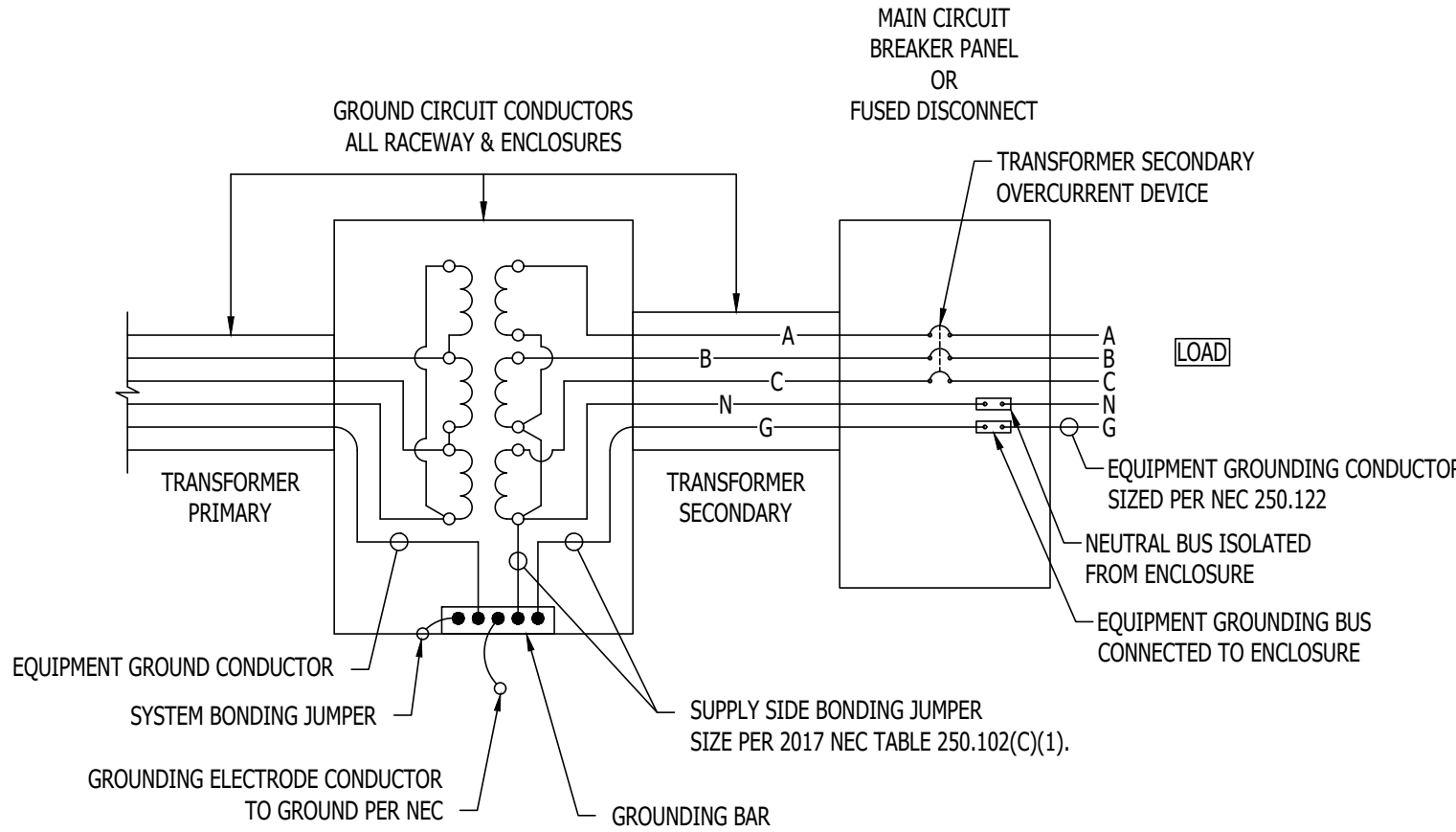
PAD MUST BE BUILT TO THE V-10 SPECIFICATION AND SUPPLIED BY THE VENDOR SHOWN BELOW. ALL PRIMARY AND SECONDARY CABLES MUST BE IN CONDUIT AND ENTER THE TRANSFORMER THROUGH DUCT AREA. ANY EXCAVATION UNDER THE PAD MUST BE BACKFILLED AND COMPACTED WITH REMOVABLE MATERIAL SUCH AS 1" CLEAN GRAVEL. NO CONDUITS ARE ALLOWED IN THE MIDDLE 10" OF DUCT AREA. CONDUITS MAY GO IN ANY DIRECTION FROM PAD. SIDE "A" MUST FACE AWAY FROM BUILDING OF OTHER OBSTRUCTIONS. OTHER SIDES MUST BE A MINIMUM OF 3' AWAY FROM ANY OBSTRUCTIONS. CENTERLINE OF TRANSFORMER MUST BE WITHIN 10' OF TRUCK ACCESSIBLE PAVEMENT. INSTALL 3/4" X 8" GROUND ROD AS SHOWN. BACKFILL MATERIAL AND PRIMARY CONDUITS MUST BE INSPECTED BY WATER & LIGHT DEPARTMENT BEFORE PAD IS SET IN PLACE. LIFTING ANCHOR HOLES MUST BE FILLED WITH NON-SHRINK GROUT BEFORE TRANSFORMER WILL BE SET.

PLEASE CALL (573) 874-6200
ANY EXCEPTIONS TO THE ABOVE REQUIREMENTS MUST BE APPROVED IN WRITING BY WATER AND LIGHT ENGINEERING DEPARTMENT BEFORE CONSTRUCTION.

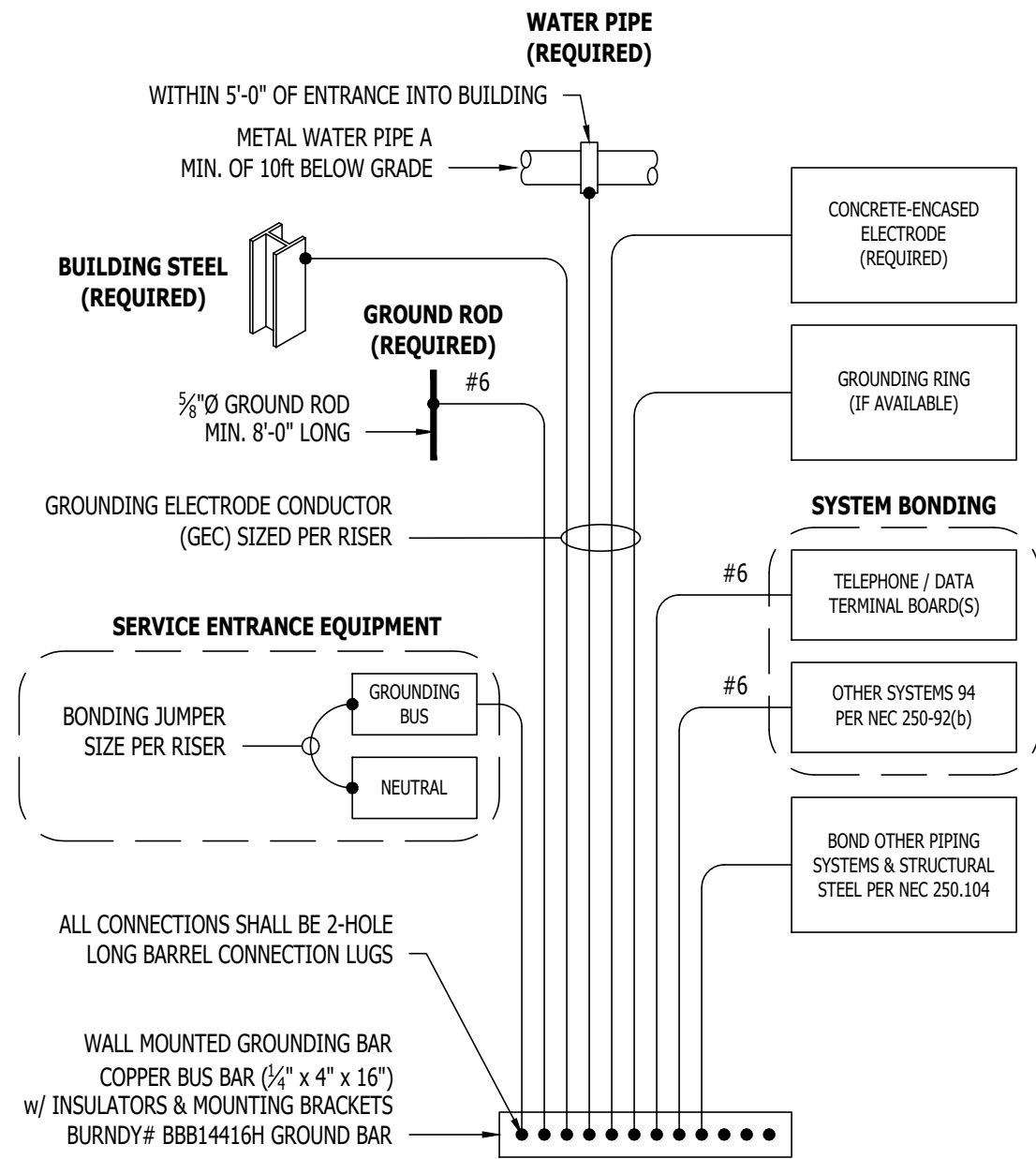


PRE-CAST: V-10 PAD DETAIL
FOR 3PH 75-750 KVA TRANSFORMER

TABLE 250.102(C)(1) - NEC 2020			
Size of Largest Ungrounded Conductor or Equivalent Area for Parallel Conductors (AWG/kcmil)		Size of Bonding Jumper (AWG/kcmil)	
Copper	Aluminum	Copper	Aluminum
2 or smaller	1/0 or smaller	8	6
1 or 1/0	2/0 or 3/0	6	4
2/0 or 3/0	4/0 or 250	4	2
Over 3/0 through 350	Over 250 through 500	2	1/0
Over 350 through 600	Over 500 through 900	1/0	3/0
Over 600 through 1100	Over 900 through 1750	2/0	4/0
Over 1100	Over 1750	See NEC for details	See NEC for details



DRY TYPE TRANSFORMER (600V OR LESS)
GROUNDING DETAIL



TYPICAL GROUNDING & BONDING DETAIL

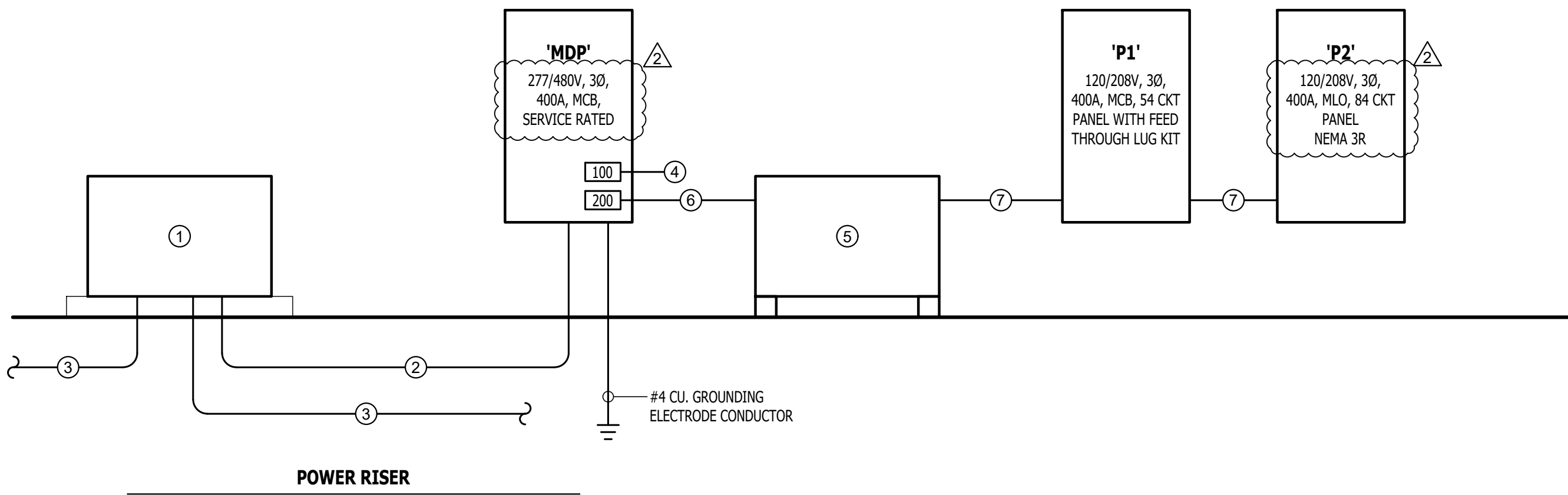


POWER RISER GENERAL NOTES:

- COORDINATE ALL CHANGES AND NEW SERVICE CONNECTIONS WITH MISSOURI STATE FAIR STAFF FOR STAGING AND OUTAGE TIMES.
- SEE AERIAL PHOTO MARKUP FOR FURTHER INFORMATION.

POWER RISER KEY NOTES:

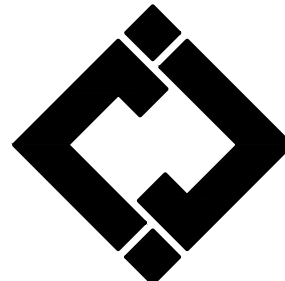
- CONTRACTOR SHALL REMOVE EXISTING TRANSFORMER. DEMOLISH EXISTING TRANSFORMER PAD AND POUR NEW TRANSFORMER PAD PER TRANSFORMER PAD DETAIL AND REINSTALL EXISTING TRANSFORMER WITH NEW CONDUIT STUBBED UP WITHIN TRANSFORMER.
- 4" PVC CONDUIT WITH (4) #500 CU. APPROXIMATELY 275FT OF CONDUIT AND CONDUCTOR LENGTH.
- EXISTING CONDUIT AND CONDUCTORS TO REMAIN. RECONNECT TO TRANSFORMER ONCE TRANSFORMER IS REINSTALLED.
- BASE BID: 1 1/2" CONDUIT WITH PULL STRING TO LOCATION RTU-1. SEE PLANS FOR DETAILS.
ALTERNATE #1: 1 1/2" CONDUIT WITH (3) #3 CU. & (1) #8 CU. EQ. GRD.
- 112.5KVA, 480V, 3Ø TO 120/208V, 3Ø, NEMA 1 STEP DOWN TRANSFORMER.
- 3" CONDUIT WITH (4) #3/0 CU. & (1) #6 EQ. GRD.
- 4" CONDUIT WITH (4) #500 CU. & (1) #3 EQ. GRD.



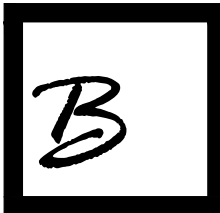
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DRAWN BY: RXM
CHECKED BY: JAP
DESIGNED BY: KEL

SHEET TITLE:

ELECTRICAL
DETAILS

SHEET NUMBER:

E-501

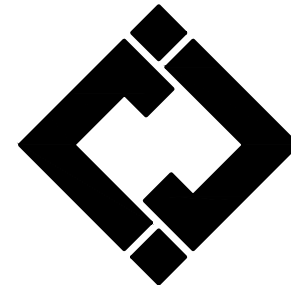
SHEET OF 48



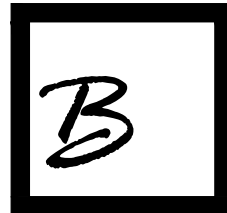
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Missouri Certificate of Authority
#2000151304

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT DESIGN AND
CONSTRUCTION

INTERIOR & EXTERIOR
RENOVATIONS, MISSOURI (4-H)
BUILDING
MISSOURI STATE FAIRGROUNDS
2503 W. 16TH ST
SEDALIA, MO 65301

PROJECT # F2407-01

SITE # 1501

ASSET # 3511501028

REVISION: ADDENDUM 2
DATE: 10/23/2025

ISSUE DATE: 6/27/2025

BID DOCUMENTS

CAD DWG FILE: _____
DRAWN BY: RXM
CHECKED BY: JAP
DESIGNED BY: KEL

SHEET TITLE:

**ELECTRICAL
SCHEDULES**

SHEET NUMBER:

E-601

SHEET OF 48

LIGHT FIXTURE SCHEDULE

TAG	MANUFACTURER (OR EQUAL)	MODEL NUMBER (OR EQUAL)	DESCRIPTION	MOUNTING	LUMEN OUTPUT	CCT (*K)	CRI	VOLTA GE	WATTS	DIMMING	NOTES
C1	HALO	SLDSL4069S1EMWR	4" ROUND LED CAN	SURFACE	635	3500	80	UNV	9	0-10V	CONTRACTOR SHALL SELECT OPTONS TO MATCH LIGHTING SCHEDULE VALUES.
C2	LUMARK AP	CLCS15S-PC	LED CANOPY	SURFACE	3600	4000	70	UNV	24	0-10V	CONTRACTOR SHALL SELECT OPTONS TO MATCH LIGHTING SCHEDULE VALUES.
E1	MULE	CWL-1-R-WH WITH R-ASRLED-2-WP	EXTR EXIT LIGHT WITH HEADS WITH EXTR RMT HD	WALL / CEILING	-	-	-	UNV	5	-	WITH RED LETTERS & REMOTE HEADS
E2	SURE LITES	APX7RG	INTERIOR EXIT LIGHT	WALL / CEILING	-	-	-	UNV	1	-	WITH RED LETTERS
E3	SURE LITES	APEL	EMERGENCY EGRESS LIGHT	WALL	-	-	-	UNV	1	-	MOUNT AT 8' A.F.F.
HB1	METALLUX	SPHB-2436SE-M-UNV-L84050-CD-SP1-U	LED HIGH BAY	CHAING HANG	24000	4000	80	UNV	162	0-10V	CONTRACTOR SHALL SELECT OPTONS TO MATCH LIGHTING SCHEDULE VALUES.
HB1/EM	METALLUX	SPHB-2436SE-M-UNV-L84050-CD-SP1-U-EL20WHV	LED HIGH BAY WITH BATTERY PACK	CHAING HANG	24000	4000	80	UNV	162	0-10V	CONTRACTOR SHALL SELECT OPTONS TO MATCH LIGHTING SCHEDULE VALUES.
S1	WILLIAMS	FS-4-LS/8CS-DIM-UNV	4" LINEAR	WALL BRACKET	4800	3500	80	120	33	0-10V	CONTRACTOR SHALL SELECT OPTONS TO MATCH LIGHTING SCHEDULE VALUES.
T1	METALLUX	24FPSL2SCT3	2x4 LED FLAT PANEL	ACT GRID	4550	3500	80	120	40	0-10V	CONTRACTOR SHALL SELECT OPTONS TO MATCH LIGHTING SCHEDULE VALUES.
T2	METALLUX	22MMS-L3C3-UNV	2x2 LED FLAT PANEL	SURFACE	3500	3500	80	120	27	0-10V	CONTRACTOR SHALL SELECT OPTONS TO MATCH LIGHTING SCHEDULE VALUES.
T3	METALLUX	14MMS-L3C3-UNV	1x4 LED FLAT PANEL	SURFACE	4900	3500	90	120	40	0-10V	CONTRACTOR SHALL SELECT OPTONS TO MATCH LIGHTING SCHEDULE VALUES.
TK1	CONTECH	LT-12-B / (12)CTL9050F3CD-B	LED TRACK LIGHTING SYSTEM	WALL MOUNT	(12) 650	3500	90	120	240	120VAC	WITH TRACK LIMITER (240W) AND WALL MOUNT KIT #LA3609-B
V1	WILLIAMS	75R-2-L25/835-DIM-UNV	2" LINEAR	WALL BRACKET	2400	3500	80	UNV	19	0-10V	MOUNT ABOVE MIRROR

NOTES:
1. VERIFY LIGHT FIXTURE FINISHES WITH OWNER / ARCHITECT PRIOR TO INSTALLATION.
2. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR CEILING TYPES THROUGHOUT. COORDINATE EXACT MOUNTING DETAILS WITH GENERAL CONTRACTOR.

MAIN DISTRIBUTION PANEL SCHEDULE

PANEL SPECIFICATIONS							TOTAL CONNECTED LOAD	
VOLTAGE: 480Y/277V 3-PH AMPA CITY: 400A MCB AIC-RATING: 10KA							NEMA RATING: 1 PANEL MOUNTING: SURFACE	PHASE "A" LOAD: 262.7 AMPS PHASE "B" LOAD: 256.9 AMPS PHASE "C" LOAD: 243.6 AMPS
CIRCUIT NUMBER	DESCRIPTION	BREA KER SIZE	AMPS	PHASE	AMPS	BREA KER SIZE	DESCRIPTION	CIRCUIT NUMBER
1	RTU-1	100-3	85	A	159.7	200-3	STEPPDOWN TRANSFORMER	2
3	-	-	85	B	153.9	-	-	4
5	-	-	85	C	140.6	-	-	6
7	SPACE	-	-	A	18	30-3	WATER HEATER	8
9	SPACE	-	-	B	18	-	-	10
11	SPACE	-	-	C	18	-	-	12

NOTES:
A: PANEL SHALL BE EQUAL TO SQUARE D "NF" SERIES FOR 480V
B: ELECTRICIAN SHALL VERIFY EXACT EQUIPMENT OVERCURRENT PROTECTION REQUIREMENTS PRIOR TO PURCHASE & INSTALLATION OF EQUIPMENT.
C: AFTER COMPLETION OF WORK, ELECTRICIAN SHALL PROVIDE A TYPE WRITTEN PANEL DIRECTORY IN NEW PANEL.

PANEL 'P1' SCHEDULE

PANEL SPECIFICATIONS							TOTAL CONNECTED LOAD	
VOLTAGE: 120/208V 3-PH AMPA CITY: 400A MCB AIC-RATING: 10KA							NEMA RATING: 1 PANEL MOUNTING: SURFACE	PHASE "A" LOAD: 355.7 AMPS PHASE "B" LOAD: 343.8 AMPS PHASE "C" LOAD: 326.6 AMPS
CIRCUIT NUMBER	DESCRIPTION	BREA KER SIZE	AMPS	PHASE	AMPS	BREA KER SIZE	DESCRIPTION	CIRCUIT NUMBER
1	KITCHEN / COUNTER GFCI RECEPTS	20-1	4.5	A	36	45-2	AIR HANDLING UNIT (AHU-1)	2
3	KITCHEN / COUNTER GFCI RECEPTS	20-1	3	B	36	-	-	4
5	KITCHEN / COUNTER GFCI RECEPTS	20-1	3	C	36	45-2	AIR HANDLING UNIT (AHU-2)	6
7	KITCHEN / REF	20-1	5	A	36	-	-	8
9	KITCHEN / RANGE HOOD	20-1	5	B	41	60-2	AIR HANDLING UNIT (AHU-3)	10
11	KITCHEN / RANGE **	50-2**	40	C	41	-	-	12
13	-	-	40	A	18	25-2	AIR HANDLING UNIT (AHU-3)	14
15	OPEN / RECEPTS	20-1	7.5	B	18	-	-	16
17	STORAGE / RECEPTS	20-1	7.5	C	12.5	20-1	STAIR / WALL HEATER	18
19	CORRIDOR / RECEPTS	20-1	6	A	12.5	20-1	STAIR / WALL HEATER	20
21	RESTROOM / GFCI RECEPTS	20-1	3	B	4.5	20-1	BED / RECEPTS	22
23	BED 1 / RECEPTS	20-1	6	C	6	20-1	BED / RECEPTS	24
25	FACP POWER	20-1	1.5	A	6	20-1	BED / RECEPTS	26
27	OFFICE 2 / RECEPTS	20-1	6	B	6	20-1	BED / RECEPTS	28
29	OFFICE 1 / RECEPTS	20-1	6	C	6	20-1	BED / RECEPTS	30
31	MEETING / RECEPTS	20-1	6	A	6	20-1	BED / RECEPTS	32
33	RESTROOM / GFCI RECEPTS	20-1	6	B	6	20-1	BED / RECEPTS	34
35	RESTROOM / GFCI RECEPT	20-1	3	C	6	20-1	BED / RECEPTS	36
37	RESTROOM / GFCI RECEPT	20-1	3	A	9	20-1	BED / RECEPTS	38
39	CORRIDOR / RECEPTS	20-1	7.5	B	1.5	20-1	RECIRCULATION PUMP	40
41	SMOKE DETECTORS	20-1	3	C	8	20-1	CLOTHES WASHER	42
43	SPARE	20-1	A	20	30-2**	-	CLOTHES DRYER **	44
45	FIRST FLOOR / LIGHTING	20-1	11.1	B	20	-	-	46
47	SECOND FLOOR / LIGHTING	20-1	13.4	C	-	20-1	SPARE	48
49	SPARE	20-1	-	A	-	20-1	SPARE	50
51	SPARE	20-1	-	B	-	20-1	SPARE	52
53	SPARE	20-1	-	C	-	20-1	SPARE	54

NOTES:
A: PANEL SHALL BE EQUAL TO SQUARE D MODEL "NQ"
B: ELECTRICIAN SHALL VERIFY EXACT EQUIPMENT OVERCURRENT PROTECTION REQUIREMENTS PRIOR TO PURCHASE & INSTALLATION OF EQUIPMENT.
C: AFTER COMPLETION OF WORK, ELECTRICIAN SHALL PROVIDE A TYPE WRITTEN PANEL DIRECTORY IN NEW PANEL.
D: CIRCUIT BREAKERS ABOVE SHOWN IN **BOLD UNDERLINED** TEXT SHALL BE ARC-FAULT CIRCUIT INTERRUPTER (AFCI) PER 2020 NEC 210.12
E: CIRCUIT BREAKERS ABOVE SHOWN WITH "***" TEXT SHALL BE GROUND-FAULT CIRCUIT INTERRUPTER (GFCI) PER 2020 NEC 210.8
F: PER 2020 NEC SECTIONS 220.44 & 220.60 CALCULATED DEMAND LOAD FOR THIS PANEL IS EQUAL TO PHASE "A" = 302.6 A, PHASE "B" = 290.7 A, & PHASE "C" = 277.5 A

BASE BID ONLY
EXCLUDE IN
ALTERNATE 1

PANEL 'P2' SCHEDULE

PANEL SPECIFICATIONS							TOTAL CONNECTED LOAD	
VOLTAGE: 120/208V 3-PH AMPA CITY: 400A MLO AIC-RATING: 10KA							NEMA RATING: 3R PANEL MOUNTING: SURFACE	PHASE "A" LOAD: 146.2 AMPS PHASE "B" LOAD: 161.7 AMPS PHASE "C" LOAD: 129.2 AMPS
CIRCUIT NUMBER	DESCRIPTION	BREA KER SIZE	AMPS	PHASE	AMPS	BREA KER SIZE	DESCRIPTION	CIRCUIT NUMBER
1	AIR CURTAIN (SOUTH)	20-1	13	A	27	40-2	MINE-SPLIT (HP-1, WU-1.1, & WU-1.2)	2
3	AIR CURTAIN (WEST)	20-1	13	B	27	-	-	4
5	AIR CURTAIN (NORTH)	20-1	13	C	14	25-2	CONDENSING UNIT (CU-1)	6
7	AIR CURTAIN (EAST)	20-1	13	A	14	-	-	8
9	STAGE / GFCI RECEPT	20-1	3	B	14	25-2	CONDENSING UNIT (CU-2)	10
11	STAGE / TV RECEPTS	20-1	6	C	14	-	-	12
13	STAGE / COUNTER GFCI RECEPT	20-1	1.5	A	18	30-2	CONDENSING UNIT (CU-3)	14
15	STAGE / COUNTER GFCI RECEPT	20-1	1.5	B	18	-	-	16
17	STAGE / COUNTER GFCI RECEPT	20-1	1.5	C	1.5	20-1	OUTDOOR WP RECEPT	18
19	STAGE / COUNTER GFCI RECEPT	20-1	1.5	A	3	20-1	EXHIBIT / WALL RECEPTS	20
21	EXHIBIT / POLE RECEPTS	20-1	3	B	3	20-1	EXHIBIT / WALL RECEPTS	22
23	EXHIBIT / POLE RECEPTS	20-1	3	C	3	20-1	EXHIBIT / WALL RECEPTS	24
25	EXHIBIT / POLE RECEPTS	20-1	3	A	3	20-1	EXHIBIT / WALL RECEPTS	26
27	EXHIBIT / POLE RECEPTS	20-1	3	B	3	20-1	EXHIBIT / WALL RECEPTS	28
29	EXHIBIT / POLE RECEPTS	20-1	3	C	3	20-1	EXHIBIT / WALL RECEPTS	30
31	EXHIBIT / POLE RECEPTS	20-1	3	A	3	20-1	EXHIBIT / WALL RECEPTS	32
33	EXHIBIT / POLE RECEPTS	20-1	3	B	3	20-1	EXHIBIT / WALL RECEPTS	34
35	EXHIBIT / POLE RECEPTS	20-1	3	C	3	20-1	EXHIBIT / WALL RECEPTS	36
37	EXHIBIT / POLE RECEPTS	20-1	3	A	3	20-1	EXHIBIT / WALL RECEPTS	38
39	STAGE / SPEAKER POWER	20-1	3	B	3	20-1	EXHIBIT / WALL RECEPTS	40
41	SPARE	20-1	-	C	3	20-1	EXHIBIT / WALL RECEPTS	42
43	EXHIBIT STORAGE & DONOR WALL / LIGHTING	20-1	3	A	3	20-1	EXHIBIT / WALL RECEPTS	44
45	EXHIBIT / LIGHTING	40-2	27	B	3	20-1	EXHIBIT / WALL RECEPTS	46
47	-	-	27	C	-	20-1	SPARE	48
49	SPARE	20-1	-	A	7.8	15-3	VENT FAN (VF-1.1)	50
51	SPARE	20-1	-	B	7.8	-	-	52
53	SPARE	20-1	-	C	7.8	-	-	54
55	SPARE	20-1	-	A	7.8	15-3	VENT FAN (VF-1.2)	56
57	SPARE	20-1	-	B	7.8	-	-	58
59	SPARE	20-1	-	C	7.8	-	-	60
61	SPARE	20-1	-	A	7.8	15-3	VENT FAN (VF-1.3)	62
63	SPARE	20-1	-	B	7.8	-	-	64
65	SPARE	20-1	-	C	7.8	-	-	66
67	SPARE	20-1	-	A	7.8	15-3	VENT FAN (VF-1.4)	68
69	SPARE	20-1	-	B	7.8	-	-	70
71	SPARE	20-1	-	C	7.8	-	-	72
73	SPARE	20-1	-	A	-	20-1	SPARE	74
75	SPARE	20-1	-	B	-	20-1	SPARE	76
77	SPARE	20-1	-	C	-	20-1	SPARE	78
79	SPARE	20-1	-	A	-	20-1	SPARE	80
81	SPARE	20-1	-	B	-	20-1	SPARE	82
83	SPARE	20-1	-	C	-	20-1	SPARE	84

NOTES:
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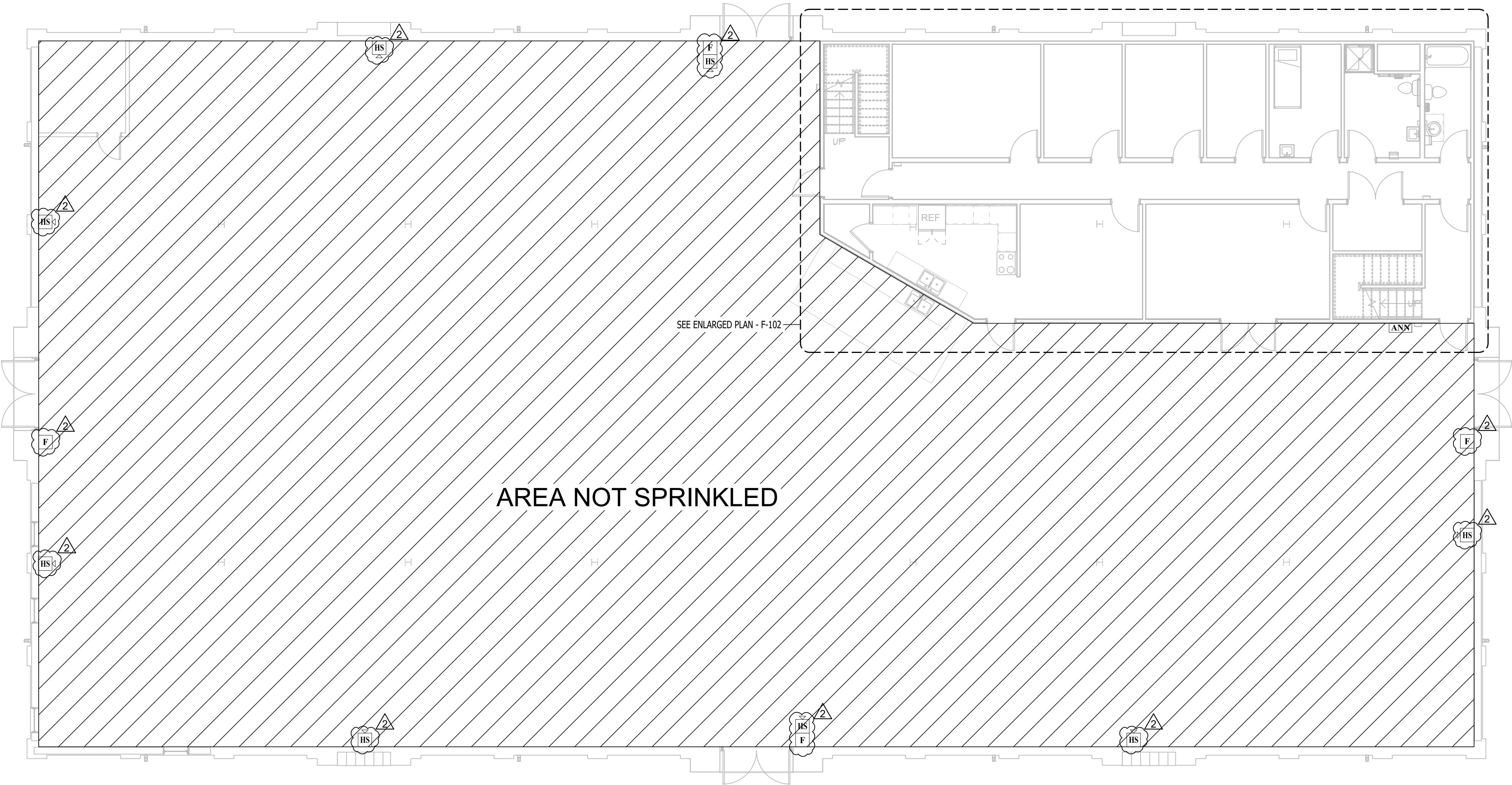
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FIRE PROTECTION PLAN SYMBOL LEGEND

F	MANUAL PULL STATION
M	MODULE
O	OUTPUT MODULE
SD	SMOKE DETECTOR
S	STROBE - CEILING MOUNT
S	STROBE - WALL MOUNT
HS	HORN STROBE - WALL MOUNT
HS	HORN STROBE - CEILING MOUNT
SS	SPEAKER STROBE - WALL MOUNT
SS	SPEAKER STROBE - CEILING MOUNT
T	TAMPER SWITCH
WF	WATER FLOW SWITCH
FACP	FIRE ALARM CONTROL PANEL
ANN	FIRE ALARM ANNUNCIATOR

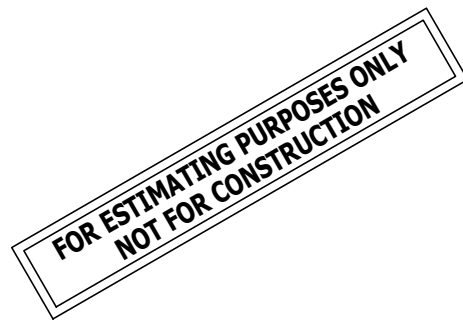
FIRE PROTECTION PLAN GENERAL NOTES:

1. FIRE ALARM SYSTEM COMPONENTS SHOWN (IF APPLICABLE) ARE GENERAL AND SCHEMATIC IN NATURE. CONTRACTOR TO VERIFY EXACT DEVICE LOCATIONS AND REQUIREMENTS WITH FIRE ALARM SYSTEM DESIGNER OF RECORD PRIOR TO ROUGH-IN.
2. FIRE ALARM CONTRACTOR SHALL PROVIDE DEFERRED SUBMITTAL PACKAGE FOR FIRE ALARM SYSTEM. SUBMITTAL SHALL INCLUDE BATTERY CALCULATIONS, VOLTAGE DROP CALCULATIONS, EQUIPMENT SPECIFICATIONS FOR DEVICES AND PANELS, ETC. DESIGN SHALL BE SEALED BY A QUALIFIED DESIGN PROFESSIONAL LICENSED BY THE STATE.
3. WHERE COMBINED FIRE & DOMESTIC WATER SUPPLY LINES ARE SHOWN ON PLANS, INSTALLING CONTRACTOR SHALL VERIFY WITH FIRE SPRINKLER CONTRACTOR THAT INCOMING LINE SIZE IS ADEQUATE FOR FIRE SUPPRESSION SYSTEM.
4. FIRE SPRINKLER CONTRACTOR TO PROVIDE DEFERRED SUBMITTAL PACKAGE FOR FIRE SPRINKLER SYSTEM. SUBMITTAL SHALL INCLUDE HYDRAULIC CALCULATIONS AND SPRINKLER SYSTEM DRAWINGS SEALED BY A QUALIFIED DESIGN PROFESSIONAL LICENSED BY THE STATE.
5. FIRE WATER FLOW DATA WAS NOT OBTAINED. CONTRACTOR MUST OBTAIN FIRE FLOW INFORMATION 10 DAYS AFTER INTENT TO AWARD IS GIVEN. IF FLOW IS INSUFFICIENT WITHOUT USE OF A FIRE PUMP, CONTRACTOR SHALL NOTIFY ARCHITECT AND ENGINEERING TEAM. IF NO NOTICE IS GIVEN AND A FIRE PUMP IS NEEDED, CONTRACTOR WILL BE RESPONSIBLE FOR ANY COST ASSOCIATED WITH FIRE PUMP.



OVERALL FIRE PROTECTION PLAN
SCALE: 1/8" = 1'-0"

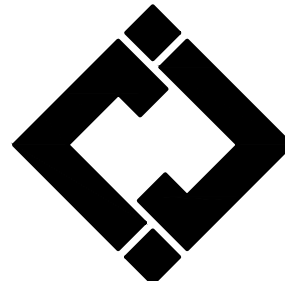
STATE OF MISSOURI
MIKE KEHOE
GOVERNOR



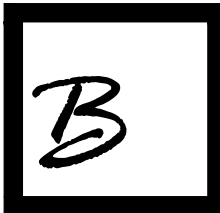
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OVERALL
FIRE
PROTECTION
PLAN

SHEET NUMBER:

F-101

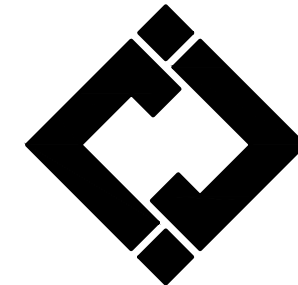
SHEET OF 48

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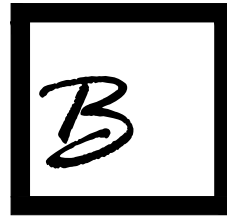
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DESIGNED BY: KEL _____

SHEET TITLE:

**ENLARGED FIRE
PROTECTION
PLAN**

SHEET NUMBER:

F-102

SHEET OF 48

FIRE PROTECTION PLAN SYMBOL LEGEND

	MANUAL PULL STATION
	MODULE
	OUTPUT MODULE
	SMOKE DETECTOR
	STROBE - CEILING MOUNT
	STROBE - WALL MOUNT
	HORN STROBE - WALL MOUNT
	HORN STROBE - CEILING MOUNT
	SPEAKER STROBE - WALL MOUNT
	SPEAKER STROBE - CEILING MOUNT
	TAMPER SWITCH
	WATER FLOW SWITCH
	FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUNCIATOR

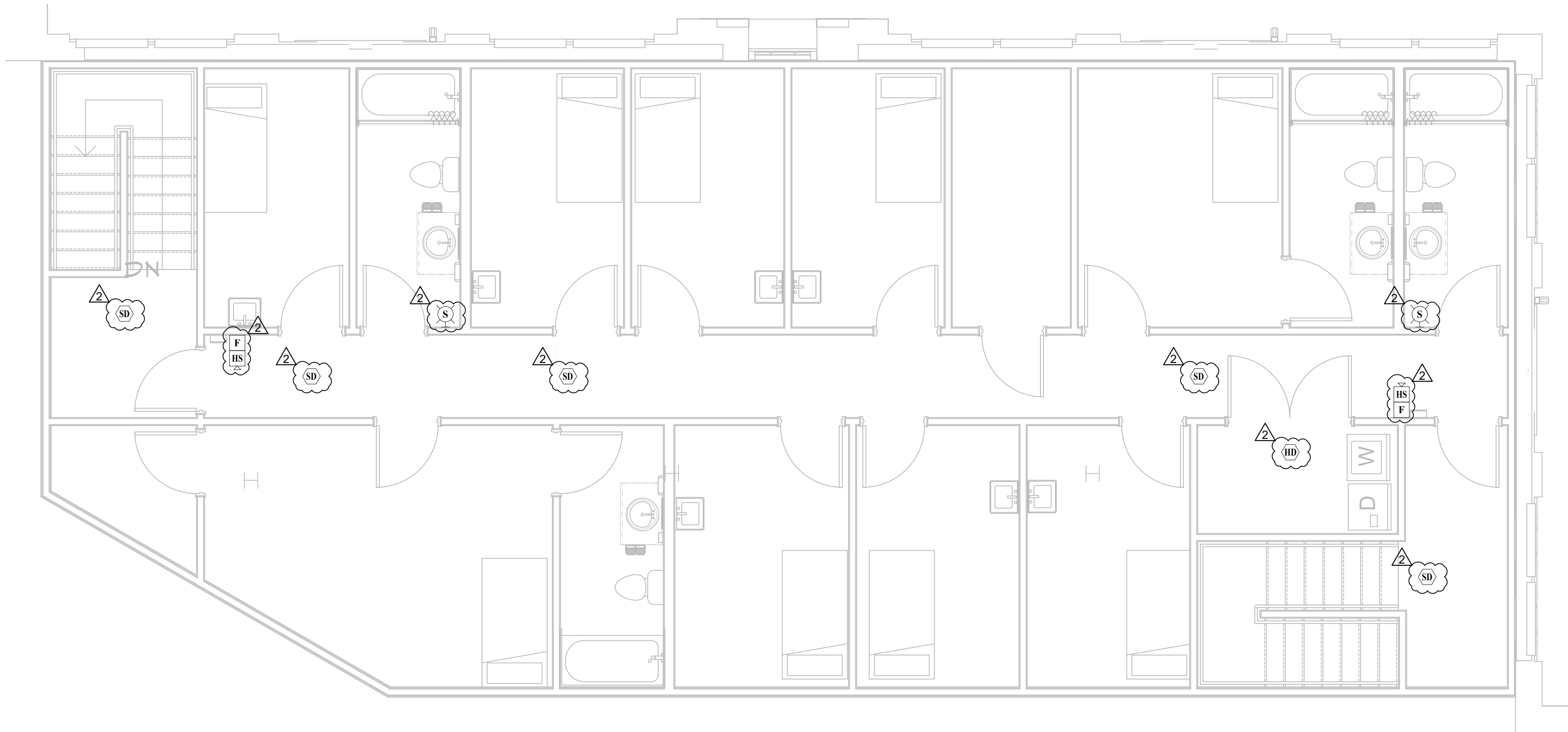
FIRE PROTECTION PLAN GENERAL NOTES:

1. FIRE ALARM SYSTEM COMPONENTS SHOWN (IF APPLICABLE) ARE GENERAL AND SCHEMATIC IN NATURE. CONTRACTOR TO VERIFY EXACT DEVICE LOCATIONS AND REQUIREMENTS WITH FIRE ALARM SYSTEM DESIGNER OF RECORD PRIOR TO ROUGH-IN.
2. FIRE ALARM CONTRACTOR SHALL PROVIDE DEFERRED SUBMITTAL PACKAGE FOR FIRE ALARM SYSTEM. SUBMITTAL SHALL INCLUDE BATTERY CALCULATIONS, VOLTAGE DROP CALCULATIONS, EQUIPMENT SPECIFICATIONS FOR DEVICES AND PANELS, ETC. DESIGN SHALL BE SEALED BY A QUALIFIED DESIGN PROFESSIONAL LICENSED BY THE STATE.
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FIRE PROTECTION PLAN KEY NOTES:

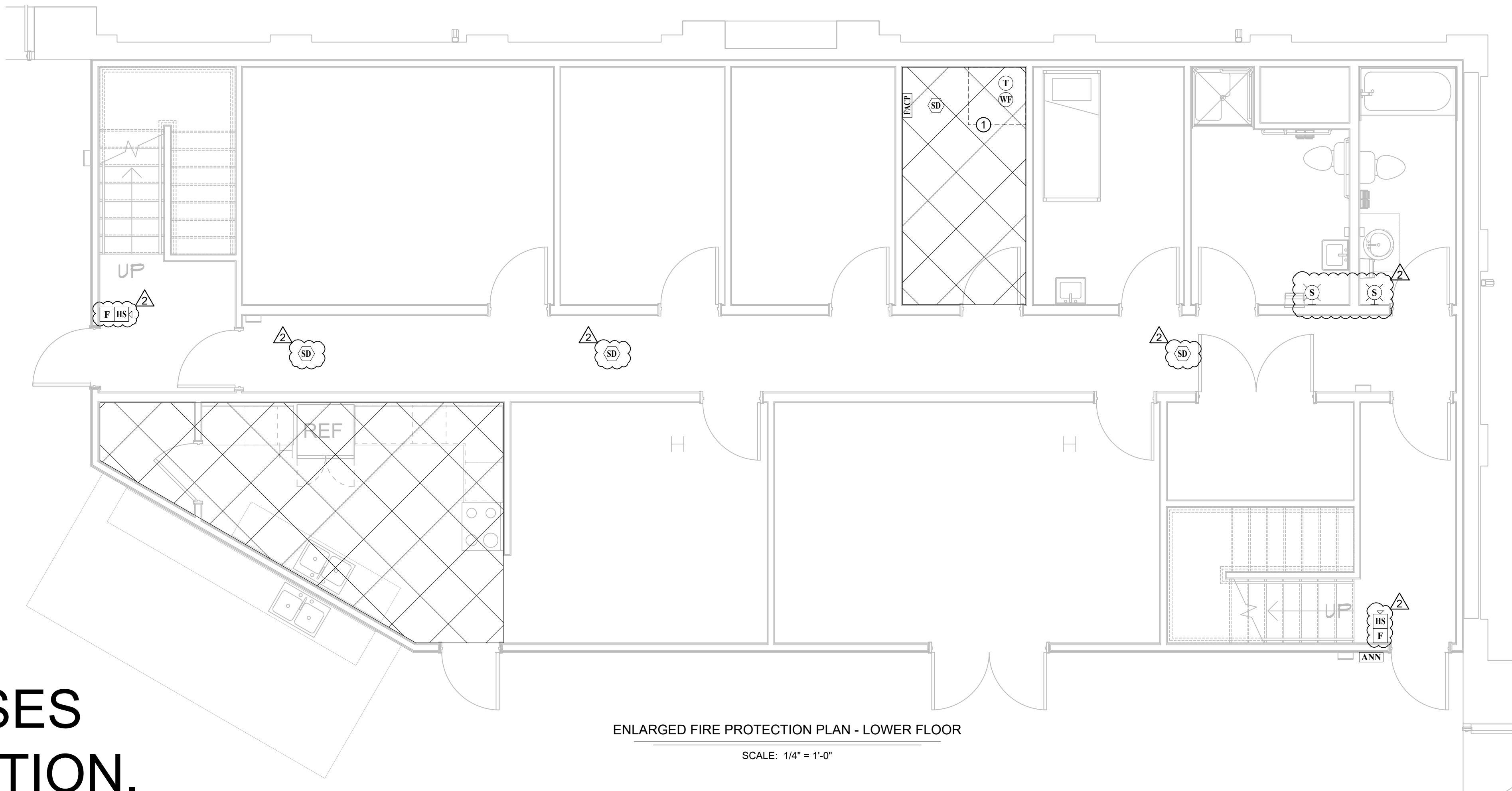
- ① FIRE SPRINKLER RISER AREA.

	LIGHT HAZARD AREA (NO HATCH)
	ORDINARY HAZARD (GROUP 1) AREA



ENLARGED FIRE PROTECTION PLAN - UPPER FLOOR

SCALE: 1/4" = 1'-0"



ENLARGED FIRE PROTECTION PLAN - LOWER FLOOR

SCALE: 1/4" = 1'-0"

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