ADDENDUM NO. 4

TO: PLANS AND SPECIFICATIONS FOR STATE OF MISSOURI

HVAC & BAS Replacement Waverly Regional Youth Center Waverly, Missouri PROJECT NO. H2314-01

Bid Opening Date is: 1:30 PM, Thursday, November 14th, 2024

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

SPECIFICATION CHANGES:

- 1. Specification Section 012300, Paragraph 3.1.B.2.c: ADD the following: "This includes, but is not limited to, non-plenum-rated wiring, PVC piping, PVC conduit, etc."
- 2. Specification Section 012300, Paragraph 3.1.A: Addendum #2 stated "500 pound lifting capacity". REVISE to "2500 pound lifting capacity".
- 3. Specification Sections 232300, 237416.11 and 237416.13: Replace references to refrigerant R-410A with refrigerant R-454B.
- 4. Specification Section 236200.2.3.A: ADD Aaon as an approved manufacturer.
- 5. Specification Section 237313.16.2.2.A: ADD Aaon as an approved manufacturer.

DRAWING GHANGES:

- 1. Sheet A121 REMOVE abatement note from Voyagers GM room.
- Sheet A210 Clarification on painting wall to match existing: Patch the brick to match
 existing. Repaint the entire exterior wall corner to corner full height where the brick is infilled.
 The upper floor is not painted, only the on grade level walls where the PTAC units are
 removed.
- 3. Sheet S310 DELETE Detail 2 is no longer required.
- 4. Sheet M111 REPLACE Plan Note #3 as follows:
 - a. Fan shall be Loren Cook 135 CFS or approved equal. ¾ HP.
- 5. REPLACE Sheet M601 in its entirety
- 6. REPLACE Sheet E101 in its entirety
- 7. REPLACE Sheet E111 in its entirety
- 8. REPLACE Sheet E112 in its entirety
- 9. REPLACE Sheet E601 in its entirety

GENERAL COMMENTS:

1. NONE

ATTACHMENTS:

- 1. Sheet M601 Revised
- 2. Sheet E101 Revised
- 3. Sheet E111 Revised

- 4. Sheet E112 Revised5. Sheet E601 Revised

November 7, 2024 **END ADDENDUM NO. 4**

MECHANICA	L VE	NTIL	ATI	ON A	AIR	REC	UIR	EMENT	S	
		REA BASIS			OCCUPAN					
	Α	В	С		D	E	F	G		
Zone/ System	Area (ft²)	CFM/ft ²	CFM	Persons	# of	CFM	CFM	Zone Air	Required Ventilation Air (CFM)	Design
			(A x B)	/ 1000 SF	People	per Person	(D x E)	Distribution Effectiveness	(C+F)/G	Ventilation Air (CFM)
Account Clerk	155	0.06	9	5	1	5	4	0.8	16	(OF WI)
A-FM	116	0.06	7	5	1	5	3	0.8	12	
ARA	107	0.06	6	5	1	5	3	0.8	11	
ARA 2	85	0.06	5	5	1	5	5	0.8	13	
FM	147	0.06	9	5	1	5	4	0.8	16	
Store	144	0.06	9	5	1	5	4	0.8	15	
RTU-4	754								84	85
AHU-1 (Gym)	2,500	0.3	750	-	-	-		0.8	938	940
December Occiden	400	0.00	24	0	0	-	0	0.0	20	
Basement Corridor Mechanical NE	400 470	0.06 0.06	24 28	0 5	2	5 5	0 12	0.8	30 50	
Shop	550	0.06	33	5	3	5	14	0.8	58	
Voyagers Dorm - North	620	0.00	112	-	12	7.5	90	0.8	252	
AHU-2	2,040	0.10	112		12	7.0	50	0.0	390	390
Ano-z	2,040								000	
Art	226	0.12	27	35	8	10	79	0.8	133	
Chapel	275	0.06	17	50	6	5	30	0.8	58	
Computer Lab	268	0.12	32	35	9	10	94	0.8	157	
Dry Storage	137	0.06	8	0	0	5	0	0.8	10	
reezers	137	0.06	8	0	0	5	0	0.8	10	
Mechanical & Storage	430	0.06	26	0	0	5	0	0.8	32	
West Corridor	1,050	0.06	63	0	0	5	0	0.8	79	
West Office	243	0.06	15	5	1	5	6	0.8	26	
West RR & Showers	210	0.00	0	0	0	0	0	0.8	0	
AHU-3	2,976								506	510
									1.5	
Horizons Class	355	0.12	43	35	8	10	80	0.8	153	
SATII	207	0.06	12	5	2	5	10	0.8	28	
Title I	182	0.06	11	5	2	5	10	0.8	26	0.10
RTU-2	744				12				207	210
Diagram Olasa	270	0.40	4.4	25	40	40	400	0.0	200	
Discovery Class	370	0.12	44 50	35 35	12	10 10	120 100	0.8	206 187	
Target Class	414	0.12			10			0.8		
Voyager Class	214	0.12	26	35	12 34	10	120	0.8	182	575
RTU-3	998				34				575	5/5
Kitchen	995	0.12	119	20	5	7.5	38	0.8	196	
Dining	546	0.12	98	70	20	7.5	150	0.8	310	
RTU-1	1,541	0.10	30	70	20	7.5	130	0.0	506	510
K10-1	1,041								000	010
Discovery Dayroom & Laundry	300	0.06	18	30	12	5	60	0.8	98	
East Corridor	440	0.06	26	0	0	5	0	0.8	33	
East GL	168	0.06	10	5	1	5	4	0.8	18	
East RR & Shower	247	0.00	0	0	0	0	0	0.8	0	
Far West Corridor	327	0.06	20	0	0	5	0	0.8	25	
Horizon Dayroom - Dorm	665	0.18	120	-	8	7.5	60	0.8	225	
Horizon GM	196	0.06	12	5	1	5	5	0.8	21	
Library	431	0.06	26	5	2	5	11	0.8	46	
Main West Corridor	500	0.06	30	0	0	5	0	0.8	38	
Nurse	106	0.06	6	5	1	5	3	0.8	11	
Nurse & RR	118	0.06	7	5	1	5	3	0.8	13	
Snacks	113	0.06	7	5	1	5	3	0.8	12	
South Shop	567	0.06	34	5	3	5	14	0.8	60	
Sunroom	512	0.06	31	30	15	5	77	0.8	134	
Target DR	343	0.06	21	5	10	5	50	0.8	36	
Target GM	362	0.06	22	5	2	5	9	0.8	38	
West GL	140	0.06	8	5	1	5	4	0.8	15	
AHU-4	5,535								822	825
Central Corridor	955	0.06	57	0	0	5	0	0.8	72	
Discovery Dorm	588	0.18	106	-	12	7.5	90	0.8	217	
Office - Lower Level	140	0.06	8	5	1	5	4	0.8	15	
Target Dorm	813	0.18	132	-	10	7.5	75	0.8	250	
Voyagers Dorm - South	250	0.18	45	-	12	7.5	90	0.8	169	
Discovery GM	332	0.06	20	5	2	5	8	0.8	35	
Family Therapy	200	0.06	12	5	1	5	5	0.8	21	
_arge Meeting	403	0.06	24	50	20	5	101	0.8	156	<u> </u>
_obby	112	0.06	7	10	1	5	6	0.8	15	
Lockers	93	0.06	11	5	1	5	5	0.8	19	
Office	326	0.06	21	0	1	5	5	0.8	26	
Tele Health	130	0.06	8	5	1	5	3	0.8	14	
Vestibule	132	0.06	8	0	0	5	0	0.8	10	
Voyagers GM	332	0.06	20	5	2	5	8	0.8	35	
Files	77	0.06	5	0	0	5	0	0.8	6	
AHU-5	4,883		. — — — — —	. —					1060	1060

OCCUPANCY AND VENTILATION RATES ARE AS REQUIRED PER THE 2021 INTERNATIONAL MECHANICAL CODE (TABLE 403.3).

ROC	FTOP UNI	IT SCH	IEDUL	E.											
MARK	MANUFACTURER	MODEL	AIR	OA	AMBIENT	EXT.	DX COOLING COIL	ELECT	RIC HEAT	ELECTRICAL				APPROX.	REMARKS
RTU			FLOW	FLOW	OAT	S.P.	NOMINAL	INPUT	STAGES	VOLTS/ø/HZ	MOTOR	MCA	MOCP	WEIGHT	
$\langle RIU \rangle$	•		(CFM)	(CFM)	(°F)	(IN.W.C.)	TONS	(KW)			HP	(AMPS)	(AMPS)	(LBS)	
1	TRANE	THK102 \	2900	510	105	1.75	8.5	(27)	2 \	240/3/60	3 }	94	100	1200 🕽	FURNISH WITH VFD, (2) MANIFOLD SCROLL COMPRESSORS
2	TRANE	TZK036	960	210	105	1.00	3	12) 2	240/3/60	(3)	49	50	1100 🕽	FURNISH WITH VFD
3	TRANE	TZK072 5	2030	575	105	1.75	6	18	2 {	240/3/60	<u> </u>	67	70	1100 🕽	FURNISH WITH VFD
4	TRANE	TZK048)	1250	85	105	1.00	(4)	6	2	240/3/60	(3)	35	50	1100	FURNISH WITH VFD
NOTEC:			•		•		•			•		•			•

1) PROVIDE 14" HIGH FACTORY FABRICATED INSULATED ROOF CURB.

- SET MINIMUM OUTSIDE AIR AS SPECIFIED ABOVE. OUTSIDE AIR DAMPER SHALL FULLY CLOSE ON UNIT SHUTDOWN.
- S) PROVIDE 5 MINUTE TIME DELAY ON COMPRESSOR RESTART. 4) PROVIDE OUTSIDE AIR ECONOMIZER.

PROVIDE BAROMETRIC RELIEF DAMPER.

- PROVIDE FACTORY MOUNTED AND INTERLOCKED SUPPLY AND RETURN AIR SMOKE DETECTORS FOR RTU-1.
- PROVIDE FACTORY MOUNTED AND WIRED DISCONNECT SWITCH.
- FURNISH WITH DIGITAL SCROLL OR VARIABLE SPEED COMPRESSORS. PROVIDE FACTORY MOUNTED 120 VOLT DUPLEX SERVICE RECEPTACLE.

) FURNISH WITH MERV 8 FILTERS.

- 10) FURNISH WITH MERV 8 FILTERS.
- 11) FURNISH WITH HOT GAS REHEAT FOR HUMIDITY CONTROL.

AIR HANDLING UNIT SCHEDULE														
MARK	MANUFACTURER	MODEL	AIR	OA	EXT.	DX COOLING COIL	ELECTR	IC HEAT	ELECTRICAL				APPROX.	REMARKS
AHU			FLOW	FLOW	S.P.	NOMINAL	INPUT	STAGES	VOLTS/ø/HZ	MOTOR	MCA	MOCP	WEIGHT	
$\langle A \cap O \rangle$			(CFM)	(CFM)	(IN.W.C.)	TONS	(KW)			HP	(AMPS)	(AMPS)	(LBS)	
1	TRANE	UCCA06	2100	390	3	6	(7.0)	SCR	240/3/60	3	33.62	50 ₹	1200	FURNISH WITH VFD
2	TRANE	UCCA10	4800	825	2.1	15	13.0	SCR	240/3/60	7.5	76.64	90 🕻	1200	FURNISH WITH VFD
3	TRANE	UCCA10	4800	1060	2.1	15 (18	SCR	240/3/60	7.5	92.33	100 🕻	1200	FURNISH WITH VFD
4	TRANE	UCCA06	2410	510	2.5 0.8	7.5	11 🗸	SCR	240/3/60	7.5	70.37	90 {	900	FURNISH WITH VFD
5 (ALTERNATE #2)	TRANE	UCCA08	4000	940	0.8	12.5	32 🖠	SCR	240/3/60	7.5	136.26	150)		FURNISH WITH VFD
NOTES:					\bigcirc					-				
1) MODEL NUMBER	RS ARE GENERAL MO	DEL NUMBER	S FOR BAS	SIS OF DES	SIGN. MOD	EL NUMBER MAY N	OT INCL	JDE ALL	ACCESSORIES	REQUIRED.	SEE SP	ECIFICAT	IONS.	

UNITS SHALL BE SHIPPED IN SECTIONS. UNIT SECTIONS SHALL BE SMALL ENOUGH TO FIT THROUGH STANDARD 36" DOORWAY. CONTRACTOR TO VERIFY DOOR WIDTH OPENINGS.

CONDENS	ING UNIT	SCHED	ULE								
MARK	MANUFACTURER	MODEL	AMBIENT	NOMINAL	PHYSICA		ELECTRICAL			APPROX.	REMARKS
CU			OA TEMP	TONS	NO. OF	NO. OF	VOLTS/ø/HZ	MCA	MOCP	WEIGHT	
(CO)			(°F DB)		FANS	COMP.		(AMPS)	(AMPS)	(LBS)	
1	TRANE	TTA	105	6	1	2	240/3/60	33 🕻	45_	350	
2	TRANE	TTA	105	15	2	2	240/3/60	74	100	700	
3	TRANE	TTA	105	15	2	2	240/3/60	74)	(100)	700	
4	TRANE	TTA	105	7.5	1	2	240/3/60	35)	45	350	
5 (ALTERNATE #2)	TRANE	TTA	105	12.5	1	2	240/3/60	66)	(90)	460	

- PROVIDE LIQUID LINE SIGHT GLASS, MOISTURE INDICATOR, AND FILTER DRYER FOR EACH CIRCUIT.
- PROVIDE LOW AMBIENT CONTROL TO OPERATE UNIT TO 0°F AMBIENT OUTDOOR TEMPERATURE.
- PROVIDE ACCESSORY HEAD PRESSURE CONTROL, ANTI-SHORT CYCLE CONTROL, AND TIME DELAY ON COMPRESSOR RESTART. SORS.

		4)	FURNISH	WITH	DIGITAL	SCROLL	OR	VARIABLE	SPEED	COMPRESS	Эŀ
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GRII	GRILLE, REGISTER AND DIFFUSER SCHEDULE											
MARK	MANUFACTURER	MODEL	TYPE	NECK SIZE (L" X W")	FACE SIZE (L" X W")	FRAME TYPE	FINISH	NC	ACCESSORIES	REMARKS		
Α	TITUS	TMS	SQUARE CONE DIFFUSER	SEE DWG	24×24	NOTE 1	WHITE	<30				
В	TITUS	50F	EGGCRATE RETURN GRILLE	24x12	24x12	NOTE 1	WHITE	<30				
С	TITUS	50F	EGGCRATE RETURN GRILLE	24x48	24×48	NOTE 1	WHITE	<30				

VAV TERMINAL UNIT SCHEDULE

OBD-OPPOSED BLADE DAMPER, LSP-LINEAR SLOT PLENUM

1) REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPE.

ALTERNATE #2

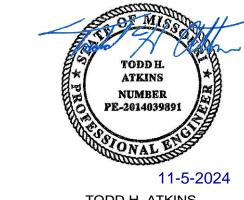
EXISTING UPBLAST EXHAUST FAN TO BE REMOVED AND REPLACED WITH EQUIVALENT UPBLAST EXHAST FAN. TEST AND BALANCE EXISTING FAN TO DETERMINE FAN SIZE NEEDED.

EXISTING KITCHEN HOOD EXHAUST FAN TO BE REMOVED AND REPLACED WITH EQUIVALENT EXHAUST FAN. TEST AND BALANCE EXISTING FAN TO DETERMINE FAN SIZE NEEDED.

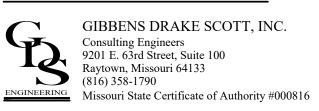
EXISTING KITCHEN HOOD MAKEUP AIR FAN TO BE REMOVED AND REPLACED WITH NEW MAKEUP AIR FAN. TEST AND BALANCE EXISTING FAN TO DETERMINE FAN SIZE NEEDED.

MARK	MANUFACTURER	MODEL	UNIT	INLET	MAXIMUM		HEATING	STEPS	REMARKS
			SIZE	SIZE	AIR	AIR	CAPACITY		
					FLOW	FLOW	(KW)		
					(CFM)	(CFM)			
	TITUS	DESV	10	10	880	308	3.9	SCR	1
2	TITUS	DESV	7	7	585	205	2.6	SCR	1
3	TITUS	DESV	6	6	325	114	1.4	SCR	1
4	TITUS	DESV	7	7	540	189	2.4	SCR	1
	TITUS	DESV	8	8	620	217	2.7	SCR	
	TITUS	DESV	9	9	835	292	3.7	SCR	
	TITUS	DESV	7	7	470	165	2.1	SCR	
8	TITUS	DESV	6	6	350	123	1.6	SCR	
9	TITUS	DESV	4	4	110	39	0.5	SCR	
10	TITUS	DESV	6	6	345	121	1.5	SCR	
	TITUS	DESV	4	4	150	53	0.7	SCR	
	TITUS	DESV	6	6	380	133	1.7	SCR	
	TITUS	DESV	8	8	750	263	3.3	SCR	
14	TITUS	DESV	4	4	150	53	0.7	SCR	
	TITUS	DESV	7	7	600	210	2.7	SCR	
	TITUS	DESV	10	10	1000	350	4.4	SCR	
	TITUS	DESV	10	10	1125	394	5.0	SCR	
	TITUS	DESV	4	4	135	47	0.6	SCR	
	TITUS	DESV	10	10	975	341	4.3	SCR	
	TITUS	DESV	8	8	700	245	3.1	SCR	
	TITUS	DESV	4	4	200	70	0.9	SCR	
	TITUS	DESV	7	7	600	210	2.7	SCR	
	TITUS	DESV	4	4	200	70	0.9	SCR	
	TITUS	DESV	7	7	510	179	2.3	SCR	
	TITUS	DESV	4	4	190	67	0.8	SCR	
	TITUS	DESV	6	6	355	124	1.6	SCR	
	TITUS	DESV	6	6	365	128	1.6	SCR	
	TITUS	DESV	4	4	150	53	0.7	SCR	
	TITUS	DESV	7	7	485	170	2.1	SCR	
30	TITUS	DESV	4	4	200	70	0.9	SCR	
31	TITUS	DESV	5	5	220	77	1.0	SCR	
1000	TITUS	DESV	5	5	280	98	1.2	SCR	
33	TITUS	DESV	5	5	245	86	1.1	SCR	
			1	1					

STATE OF MISSOURI MICHAEL L. PARSON, **GOVERNOR**



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OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

WAVERLY REGIONAL YOUTH CENTER

HVAC & BAS REPLACEMENT

WAVERLY REGIONAL YOUTH CENTER WAVERLY, MO

PROJECT # H2314-01

7707 8877707003 ASSET#

REVISION: DATE: **REVISION:** REVISION: Addendum #4 DATE: 11/5/24

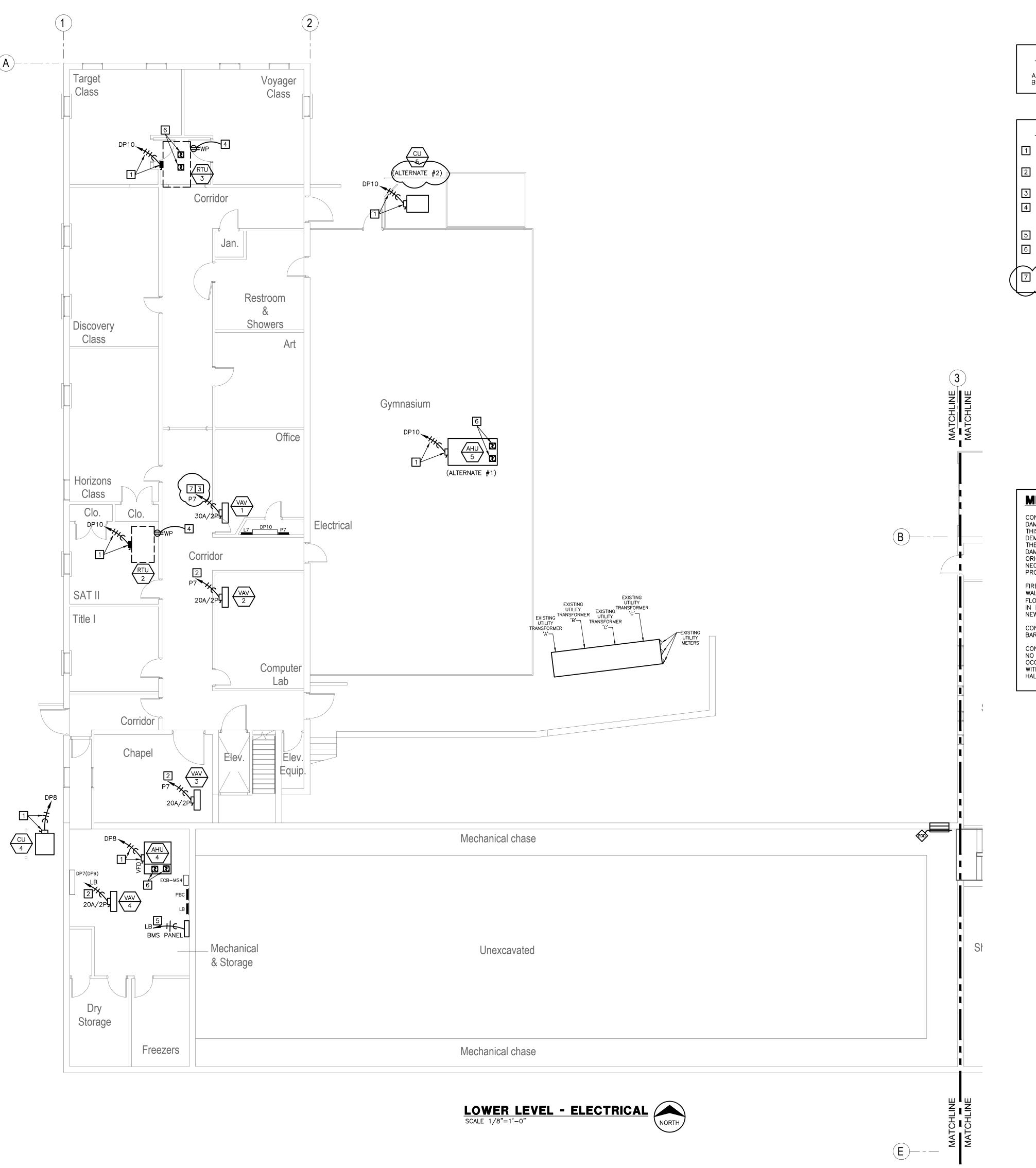
ISSUE DATE: 9/13/2024 CAD DWG FILE: M-601

DRAWN BY: AAC CHECKED BY: THA DESIGNED BY: $\overline{\text{GDS}}$ SHEET TITLE:

MECHANICAL

SHEET NUMBER:

28 OF 44 SHEETS 09/13/24



ELECTRICAL GENERAL NOTES

A. REFER TO SHEET E-001 FOR ELECTRICAL GENERAL NOTES. B. REFER TO SHEET E-001 FOR FIRE ALARM GENERAL NOTES.

ELECTRICAL PLAN NOTES

- 1 REFER TO ELECTRICAL ONE-LINE DIAGRAM FOR CIRCUITING AND DISCONNECT INFORMATION.
- 2 CONNECT TO NEW OR SPARE 20A/2P CIRCUIT BREAKER. FIELD VERIFY AND PROVIDE NEW BREAKER AS REQUIRED.
- $\boxed{3}$ PROVIDE 2-#10, 1-#10 GROUND IN 3/4" CONDUIT.
- 4 FACTORY MOUNTED RECEPTACLE. CONNECT TO NEAREST CIRCUIT SERVING RECEPTACLES ON THE ROOF OR TO NEW OR SPARE CIRCUIT BREAKER IN NEAREST 120V PANEL.
- 5 CONNECT TO NEW OR SPARE 20A/1P CIRCUIT BREAKER.
- 6 PROVIDE DUCT SMOKE DETECTOR. COORDINATE REQUIREMENTS WITH HVAC EQUIPMENT MANUFACTURER. PROVIDE CONNECTION TO EXISTING
- 7 CONNECT TO NEW OR SPARE 25A/2P CIRCUIT BREAKER. FIELD VERIFY AND PROVIDE NEW BREAKER AS REQUIRED.

MISCELLANEOUS NOTES

CONTRACTOR IS RESPONSIBLE FOR PATCHING AND REPAIR OF ANY DAMAGED ITEMS OR SURFACES RESULTING FROM THEIR WORK ACTIVITIES. THIS INCLUDES, BUT IS NOT LIMITED TO, DAMAGES INCURRED DURING DEMOLITION, CONSTRUCTION, INSTALLATION, OR ANY OTHER RELATED TASKS. THE CONTRACTOR IS EXPECTED TO PROMPTLY IDENTIFY AND ADDRESS ANY DAMAGES, ENSURING THAT THE AFFECTED AREAS ARE RESTORED TO THEIR ORIGINAL CONDITION OAT THEIR OWN EXPENSE. IT IS IMPERATIVE THAT ALL NECESSARY REPAIRS ARE COMPLETED TO THE SATISFACTION OF THE FMDC PROJECT MANAGER.

FIRE CAULK AROUND THE PERIMETER OF ALL NEW FLOOR, CEILING, AND WALL PENETRATIONS RESULTING FROM THIS NEW WORK, REGARDLESS OF FLOOR/WALL/CEILING/ROOF ASSEMBLY REQUIREMENT. PATCH OPEN AREAS IN EXISTING PLASTER CEILINGS WITHIN CEILING AREAS EXPOSED BY THIS NEW WORK. REFERENCE ARCHITECTURAL DRAWINGS FOR PATCHING DETAILS.

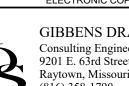
CONTRACTOR SHALL PROVIDE DAILY CLEANING, VANDAL PROTECTION, AND BARRIER PROTECTION BETWEEN WORK AND NON-WORK AREAS.

CONFIDENTIALITY NOTICE: BUILDING OCCUPANT PRIVACY IS PARAMOUNT. NO PHOTOGRAPHY, VIDEOGRAPHY, OR COMMUNICATION WITH BUILDING OCCUPANTS IS PERMITTED. THIS RESTRICTION APPLIES TO ALL AREAS WITHIN THE PREMISES, INCLUDING BUT NOT LIMITED TO CLASSROOMS, HALLWAYS, COMMON AREAS, AND OUTDOOR SPACES.

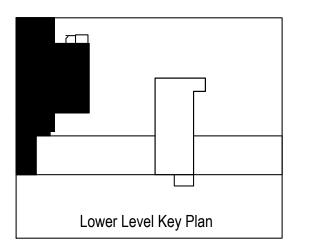
STATE OF MISSOURI MICHAEL L. PARSON, **GOVERNOR**



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OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, **DESIGN AND CONSTRUCTION**

WAVERLY REGIONAL YOUTH CENTER

HVAC & BAS REPLACEMENT

WAVERLY REGIONAL YOUTH CENTER WAVERLY, MO

PROJECT # H2314-01 7707

8877707003 ASSET#

REVISION: REVISION: REVISION: Addendum #4
DATE: 11/5/24

ISSUE DATE: 9/13/2024 BID SET CAD DWG FILE: E-101

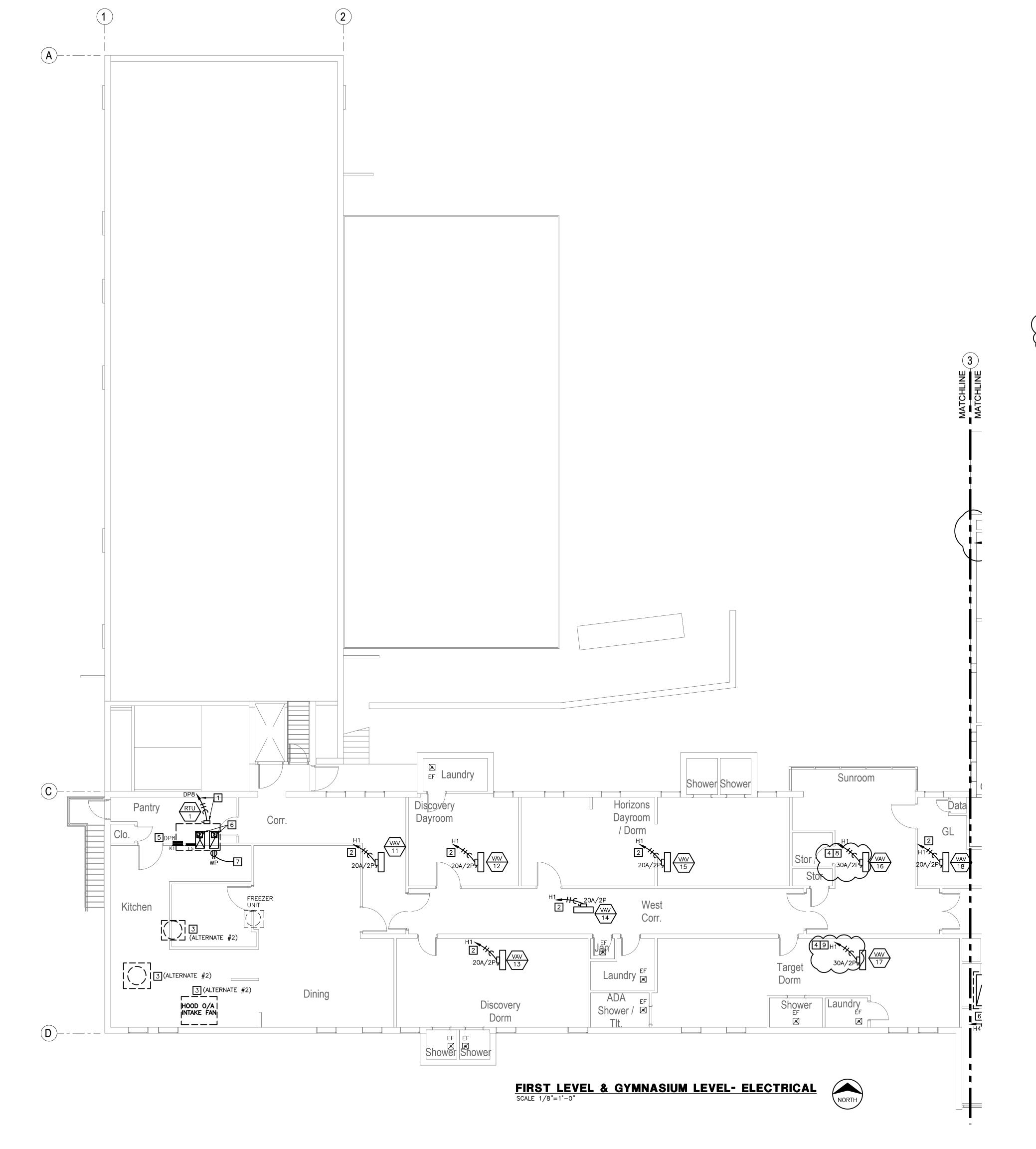
DRAWN BY: CHECKED BY: THA DESIGNED BY: GDS

SHEET TITLE:

LOWER LEVEL ELECTRICAL PLAN

SHEET NUMBER:

36 OF 44 SHEETS 09/13/24



ELECTRICAL GENERAL NOTES

A. REFER TO SHEET E-001 FOR ELECTRICAL GENERAL NOTES.
 B. REFER TO SHEET E-001 FOR FIRE ALARM GENERAL NOTES.

ELECTRICAL PLAN NOTES

- REFER TO ELECTRICAL ONE-LINE DIAGRAM FOR CIRCUITING AND DISCONNECT INFORMATION.
- 2 CONNECT TO NEW OR SPARE 20A/2P CIRCUIT BREAKER. FIELD VERIFY AND PROVIDE NEW BREAKER AS REQUIRED.
- ALTERNATE #2. DISCONNECT FROM POWER AND REMOVE EXISTING UPBLAST EXHAUST FAN, KITCHEN HOOD EXHAUST FAN, AND MAKEUP AIR FAN. REMOVE ASSOCIATED CIRCUITING THAT CANNOT BE REUSED. CIRCUIT NEW FANS PER MANUFACTURE'S INSTRUCTIONS. REFERENCE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 4 PROVIDE 2-#10, 1-#10 GROUND IN 3/4" CONDUIT.
- 5 ALTERNATE ASSOCIATED WITH THIS EQUIPMENT. REFER TO ONE—LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- 6 PROVIDE DUCT SMOKE DETECTOR. COORDINATE REQUIREMENTS WITH HVAC EQUIPMENT MANUFACTURER. PROVIDE CONNECTION TO EXISTING FIRE ALARM SYSTEM AS REQUIRED.
- 7 FACTORY MOUNTED RECEPTACLE. CONNECT TO NEAREST CIRCUIT SERVING RECEPTACLES ON THE ROOF OR TO NEW OR SPARE CIRCUIT BREAKER
- IN NEAREST 120V PANEL.

 8 CONNECT TO NEW OR SPARE 25A/2P CIRCUIT BREAKER, FIELD VERIFY
- 9 CONNECT TO NEW OR SPARE 30A/2P CIRCUIT BREAKER. FIELD VERIFY AND PROVIDE NEW BREAKER AS REQUIRED.

AND PROVIDE NEW BREAKER AS REQUIRED.

MISCELLANEOUS NOTES

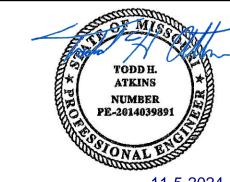
CONTRACTOR IS RESPONSIBLE FOR PATCHING AND REPAIR OF ANY DAMAGED ITEMS OR SURFACES RESULTING FROM THEIR WORK ACTIVITIES. THIS INCLUDES, BUT IS NOT LIMITED TO, DAMAGES INCURRED DURING DEMOLITION, CONSTRUCTION, INSTALLATION, OR ANY OTHER RELATED TASKS. THE CONTRACTOR IS EXPECTED TO PROMPTLY IDENTIFY AND ADDRESS ANY DAMAGES, ENSURING THAT THE AFFECTED AREAS ARE RESTORED TO THEIR ORIGINAL CONDITION OAT THEIR OWN EXPENSE. IT IS IMPERATIVE THAT ALL NECESSARY REPAIRS ARE COMPLETED TO THE SATISFACTION OF THE FMDC PROJECT MANAGER.

FIRE CAULK AROUND THE PERIMETER OF ALL NEW FLOOR, CEILING, AND WALL PENETRATIONS RESULTING FROM THIS NEW WORK, REGARDLESS OF FLOOR/WALL/CEILING/ROOF ASSEMBLY REQUIREMENT. PATCH OPEN AREAS IN EXISTING PLASTER CEILINGS WITHIN CEILING AREAS EXPOSED BY THIS NEW WORK. REFERENCE ARCHITECTURAL DRAWINGS FOR PATCHING DETAILS.

CONTRACTOR SHALL PROVIDE DAILY CLEANING, VANDAL PROTECTION, AND BARRIER PROTECTION BETWEEN WORK AND NON-WORK AREAS.

CONFIDENTIALITY NOTICE: BUILDING OCCUPANT PRIVACY IS PARAMOUNT. NO PHOTOGRAPHY, VIDEOGRAPHY, OR COMMUNICATION WITH BUILDING OCCUPANTS IS PERMITTED. THIS RESTRICTION APPLIES TO ALL AREAS WITHIN THE PREMISES, INCLUDING BUT NOT LIMITED TO CLASSROOMS, HALLWAYS, COMMON AREAS, AND OUTDOOR SPACES.

STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR



TODD H. ATKINS

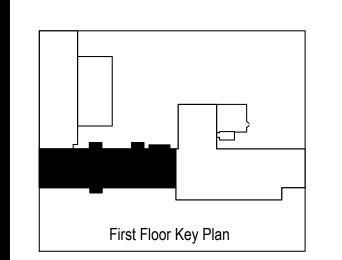
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GIBBENS DRAKE SCOTT, INC.
Consulting Engineers

Consulting Engineers
9201 E. 63rd Street, Suite 100
Raytown, Missouri 64133
(816) 358-1790
Missouri State Certificate of Authority #000816



OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

WAVERLY REGIONAL YOUTH CENTER

HVAC & BAS REPLACEMENT

WAVERLY REGIONAL YOUTH CENTER WAVERLY, MO

PROJECT # H2314-01 SITE # 7707

ASSET# 8877707003

REVISION:
DATE:
REVISION:
DATE:
REVISION: Addendum #4
DATE: 11/5/24

ISSUE DATE: 9/13/2024 BID SET CAD DWG FILE: <u>E-111</u>

DRAWN BY: JHD
CHECKED BY: THA
DESIGNED BY: GDS

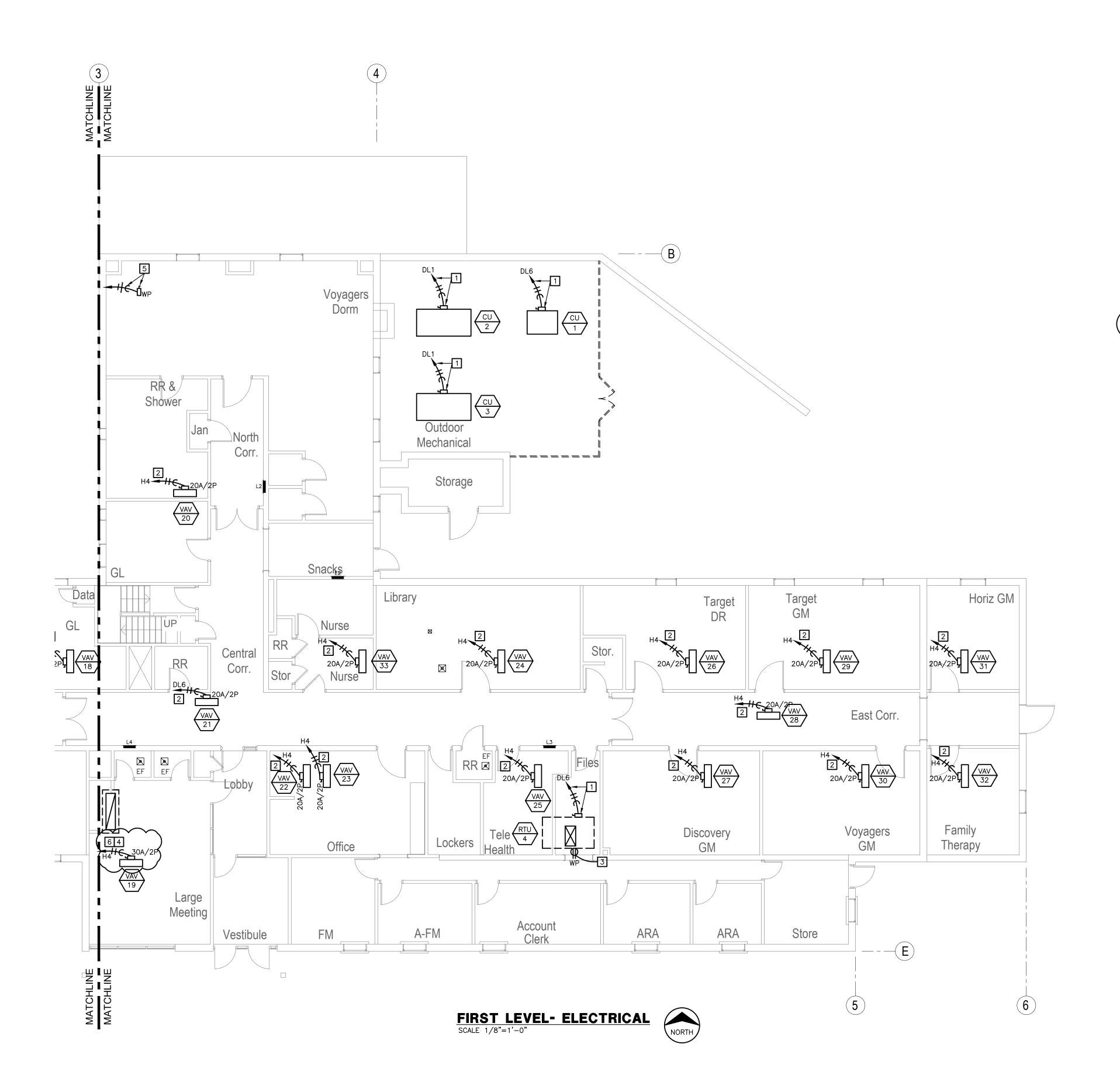
SHEET TITLE:

FIRST LEVEL &
GYMNASIUM LEVEL
ELECTRICAL PLAN

SHEET NUMBER:

E-111
38 OF 44 SHEETS

09/13/24



ELECTRICAL GENERAL NOTES

A. REFER TO SHEET E-001 FOR ELECTRICAL GENERAL NOTES. B. REFER TO SHEET E-001 FOR FIRE ALARM GENERAL NOTES.

ELECTRICAL PLAN NOTES

- 1 REFER TO ELECTRICAL ONE-LINE DIAGRAM FOR CIRCUITING AND DISCONNECT INFORMATION.
- 2 CONNECT TO NEW OR SPARE 20A/2P CIRCUIT BREAKER.
- FACTORY MOUNTED RECEPTACLE. CONNECT TO NEAREST CIRCUIT SERVING RECEPTACLES ON THE ROOF OR TO NEW OR SPARE CIRCUIT BREAKER IN NEAREST 120V PANEL.
- 4 PROVIDE 2-#10, 1-#10 GROUND IN 3/4" CONDUIT.
- ALTERNATE #1: PROVIDE POWER CONNECTION ON ROOF FOR ROOF-MOUNTED CRANE. COORDINATE LOCATION WITH CRANE INSTALLER AND MAKE FINAL CONNECTIONS TO CRANE AS REQUIRED. WEATHER-PROOF ANY PENETRATIONS. PROVIDE DEDICATED CIRCUIT CONNECTING TO SPARE OR NEW 20A/1P BREAKER IN NEAREST 120V PANEL. COORDINATE EXACT ELECTRICAL BREAKER SIZE AND REQUIREMENTS WITH CRANE MANUFACTURER'S SPECIFICATIONS.
- 6 CONNECT TO NEW OR SPARE 25A/2P CIRCUIT BREAKER. FIELD VERIFY AND PROVIDE NEW BREAKER AS REQUIRED.

MISCELLANEOUS NOTES

PROJECT MANAGER.

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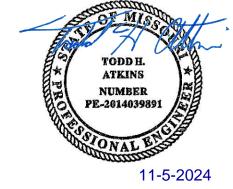
BARRIER PROTECTION BETWEEN WORK AND NON-WORK AREAS.

HALLWAYS, COMMON AREAS, AND OUTDOOR SPACES.

STATE OF MISSOURI MICHAEL L. PARSON,

GOVERNOR

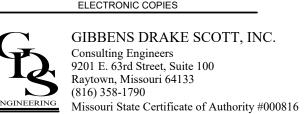
GOVERNOR

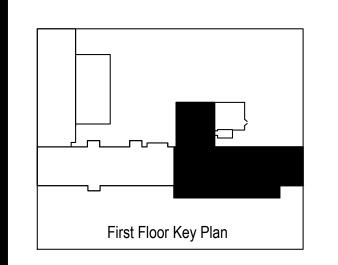


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CAD DWG FILE: E-112
DRAWN BY: JHD
CHECKED BY: THA
DESIGNED BY: GDS

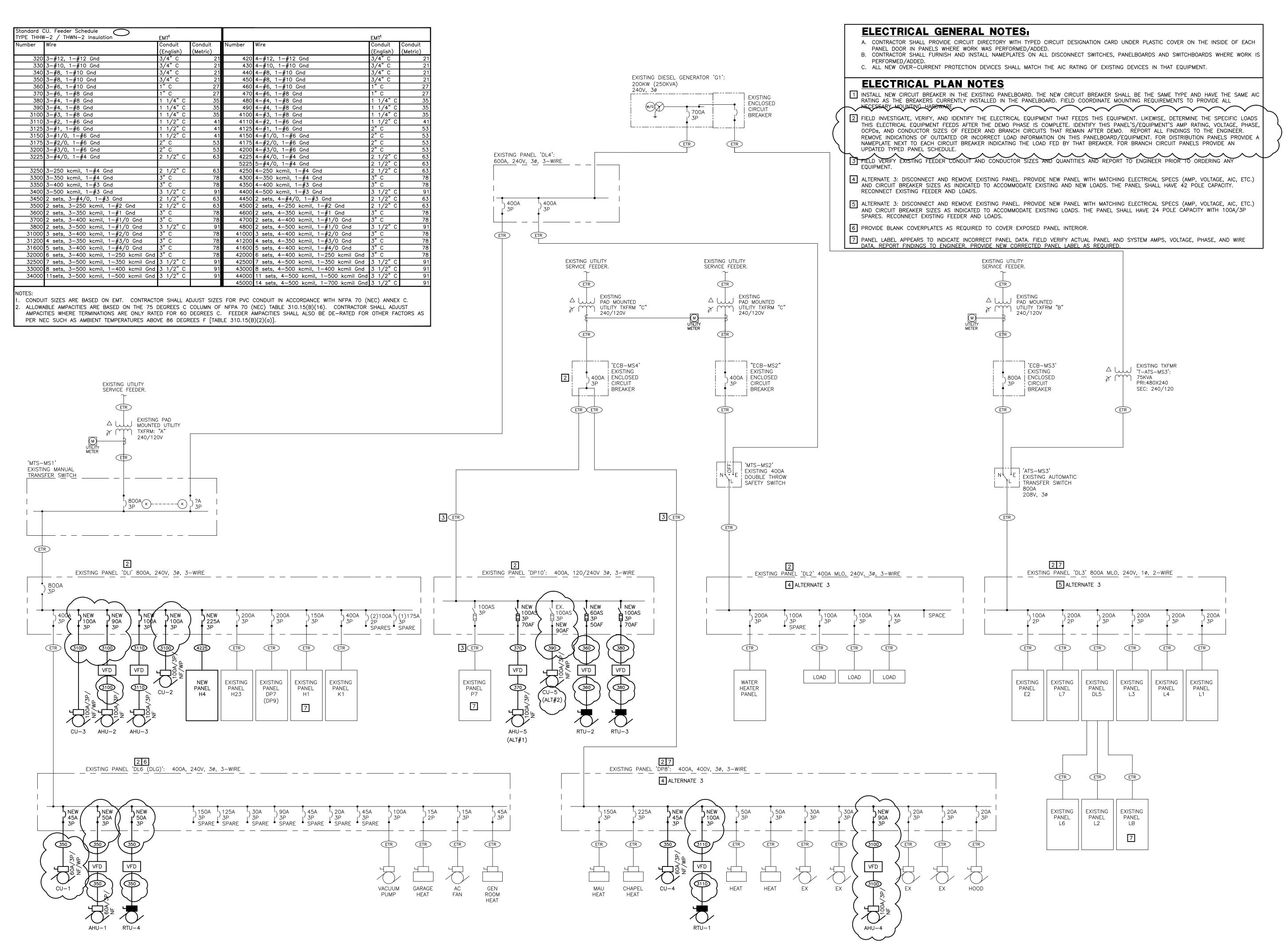
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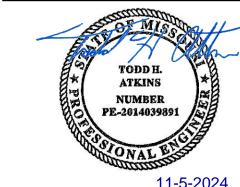
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E-112
39 OF 44 SHEETS

09/13/24



STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR



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CAD DWG FILE: E-601
DRAWN BY: JHD
CHECKED BY: THA
DESIGNED BY: GDS

SHEET TITLE:

ELECTRICAL
ONE-LINE DIAGRAM

SHEET NUMBER:

E-60

41 OF 44 SHEETS 09/13/24