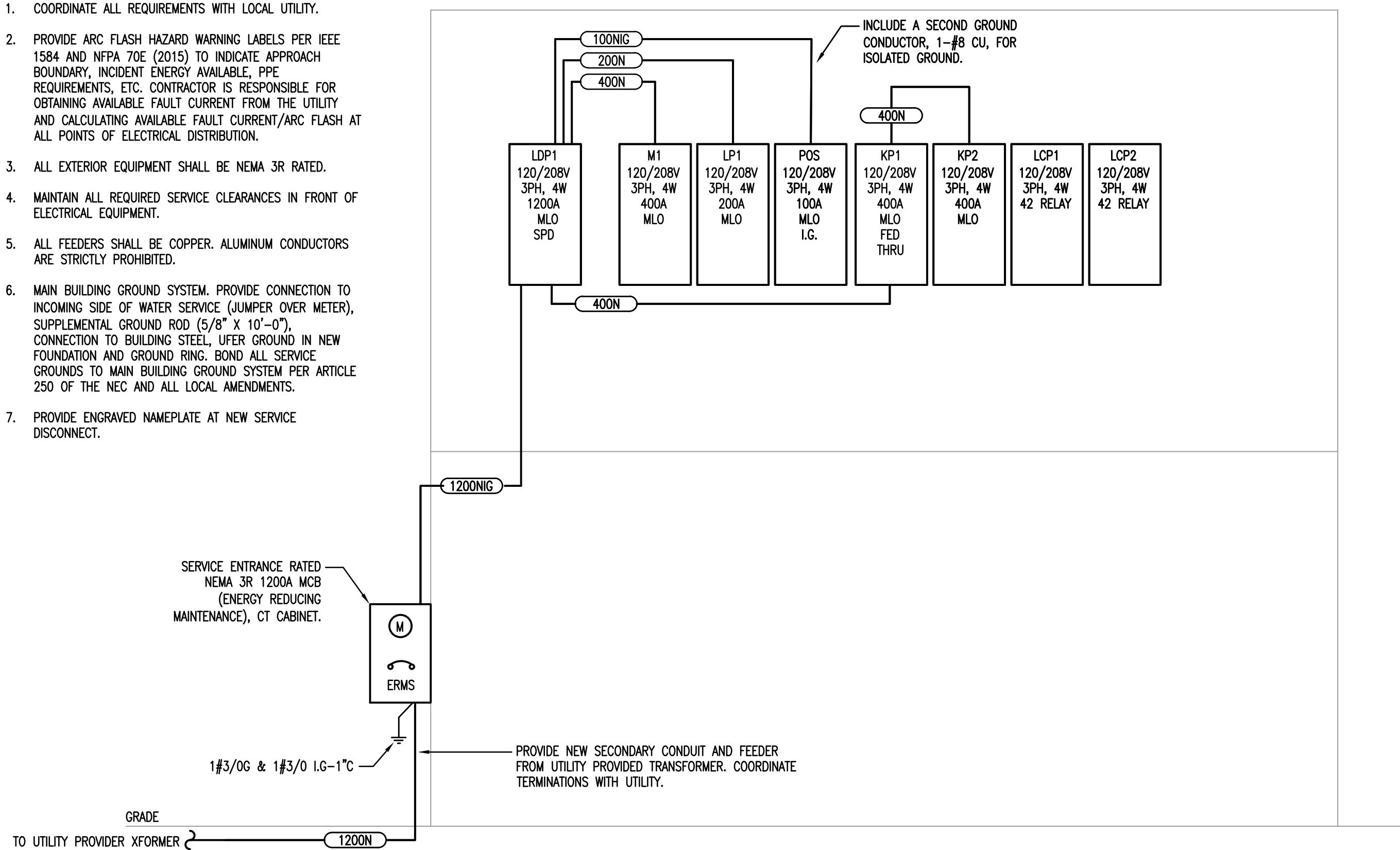


2. FURNISH AND INSTALL CORD AND PLUG SET(S).
3. INSTALL KEC (SECTION 114000) FURNISHED CORD AND PLUG SET(S).
3. FURNISH AND INSTALL DEVICE & COVER IN KEC (SECTION 114000) FURNISHED JUNCTION BOX.
4. CONNECT TO JUNCTION BOX, DEVICE, & COVER FURNISHED BY KEC (SECTION 114000).
5. CONNECT WITH LIQUID TIGHT CONDUIT FROM JUNCTION BOX TO EQUIPMENT/DEVICE(S) FOR A DIRECT CONNECTION.
6. CONNECT WITH LIQUID TIGHT CONDUIT FROM JUNCTION BOX THROUGH CONTROL TO EQUIPMENT/DEVICE(S) FOR A DIRECT CONNECTION.
7. CONNECT THRU DISPOSER CONTROL TO SOLENOID VALVE AND MOTOR.
8. CONNECT THRU KEC (SECTION 114000) FURNISHED REMOTE CONTROL SWITCH(ES).
9. FURNISH AND INSTALL SWITCH. CONNECT TO LIGHTS FURNISHED AND INSTALLED BY KEC (SECTION 114000).
10. CONNECT POWER SUPPLY TO KEC (SECTION 114000) FURNISHED LOAD CENTER. COUNTER SHALL BE PREWIRED AND SHIPPED IN SECTIONS. CONNECT BETWEEN SECTIONS.
11. CONNECT TO KEC (SECTION 114000) FURNISHED JUNCTION BOX AT WALK-IN DOOR ASSEMBLY. LIGHT FIXTURE AT DOOR IS PREWIRED TO FACTORY MOUNTED LIGHT SWITCH. MOUNT ADDITIONAL KEC (SECTION 114000) FURNISHED LIGHTS WHERE INDICATED AND CONNECT TO SWITCH. CONDUIT SHALL BE INSTALLED ABOVE WALK-IN AND NOT EXPOSED ON INTERIOR UNLESS REQ'D. CONDUIT PENETRATING WALK-IN SHALL BE NON-METALLIC OR PVC.
12. FOAM & SEAL INSIDE AND OUTSIDE OF CONDUIT PENETRATIONS THRU WALK-IN.
13. CONNECT KEC (SECTION 114000) FURNISHED TEMPERATURE ALARM SYSTEM. COORDINATE WITH BUILDING SYSTEMS.
14. FURNISH AND INSTALL FUSED DISCONNECT AT CONDENSING UNIT.
15. INSTALL KEC (SECTION 114000) FURNISHED DEFROST TIMER. CONNECT THRU TIMER TO EVAPORATOR COIL.
16. CONNECT FROM KEC (SECTION 114000) FURNISHED CONDENSING UNIT, THRU DEFROST TIMER, TO EVAPORATOR COIL.
17. PROVIDE NEMA RECEPTACLE WITH WEATHER COVER BEHIND FREEZER EVAPORATOR COIL FOR DRAIN LINE HEATER.
18. CONNECT EXHAUST FAN THRU FAN CONTROL CONTACTS IN DISHWASHER.
19. CONNECT TABLE LIMIT SWITCH TO DRY CONTACT ON KEC (SECTION 11400) FURNISHED DISH MACHINE.
20. CONNECT DRAIN WATER TEMPERING DEVICE PER MANUFACTURER'S RECOMMENDATIONS.
21. CONNECT THRU KEC (SECTION 114000) FURNISHED LIGHT SWITCH MOUNTED IN FACE OF HOOD OR HOOD CONTROL CABINET TO LIGHT FIXTURES IN HOOD(S). INTERWIRE LIGHT FIXTURES BETWEEN HOOD SECTIONS AS REQUIRED.
22. CONNECT THRU KEC (SECTION 114000) FURNISHED FAN CONTROL SWITCH MOUNTED IN FACE OF HOOD OR HOOD CONTROL CABINET TO EXHAUST FAN(S)/MAKE-UP AIR UNIT(S). INTERWIRE THRU MOTOR STARTER(S)/VARIABLE FREQUENCY DRIVE(S) AND OVERLOAD PROTECTION DEVICE(S) AS REQUIRED. INSTALL AND/OR INTERWIRE THE KEC (SECTION 114000) FURNISHED HOOD HEAT SENSOR(S) AND SMOKE SENSORS AS REQUIRED.
23. CONNECT 120 VOLT FROM KEC (SECTION 114000) FURNISHED MICRO SWITCH IN FIRE SUPPRESSION SYSTEM CONTROL PANEL TO SHUNT TRIP BREAKER(S) FOR SHUT DOWN OF POWER TO ALL ELECTRICAL DEVICES UNDER HOOD(S) AND 18" OUTSIDE PERIMETER OF HOOD(S). CONNECT FROM MICRO SWITCH TO DIVISION 26 FURNISHED RELAY(S) OR SWITCHES FOR SHUT DOWN/CONTROL OF HOOD LIGHTS, MAKE-UP AIR FAN, AND FIRE ALARM SYSTEM. EC IS RESPONSIBLE FOR ANY REQUIRED INTERWIRING/CONTROL WIRES FOR THE FIRE SUPPRESSION SYSTEM AND ASSOCIATED ELECTRICAL GAS SOLENOID VALVES.
24. CONNECT 120 VOLT FROM KEC (SECTION 114000) FURNISHED MICRO SWITCH IN FIRE SUPPRESSION SYSTEM CONTROL PANEL THRU MANUAL RESET RELAY TO ELECTRIC GAS VALVE. PROVIDE CONTROL/INTERWIRING BETWEEN THE FIRE SUPPRESSION SYSTEM AND ASSOCIATED ELECTRICAL GAS SOLENOID VALVES, RESET RELAYS, AND PULL STATIONS AS REQ'D.
25. PROVIDE CONCEALED CONDUIT AND RECESSED OCTAGONAL JUNCTION BOX IN WALL AT 42" -48" AFF FOR REMOTE MANUAL PULL STATION(S). COORDINATE LOCATION(S) WITH FIRE SUPPRESSION SYSTEM CONTRACTOR AND AUTHORITIES HAVING JURISDICTION PRIOR TO ROUGH-IN.
26. VERIFY UTILITIES FOR EXISTING/NIC EQUIPMENT AND PROVIDE FOR AS REQ'D.
27. INSTALL 3/4" EMPTY CONDUIT AND JUNCTION BOX FOR DATA CONNECTION. VERIFY EXACT REQUIREMENTS AND TERMINATION POINTS PRIOR TO ROUGH-IN.
28. PROVIDE AND INSTALL AN APPROVED GFCI RECEPTACLE.

MECHANICAL EQUIPMENT SCHEDULE													
TAG	DESCRIPTION	EQUIPMENT								E.C. PROVIDED			REMARKS
		VOLT/PHASE	PANEL	CKT#	AMPS	MCA	OCPD	KW	HP	STARTER	DISC.	FEEDER	
AC-1	AIR CURTAIN	120/1	M1	36	11.25	-	20	-	1.1	MFR	MFR	2#12-1#12G-3/4"	
DFS-1	DUCT FREE SPLIT SYSTEM	208/1	M1	48/50	-	19	30	-	-	MFR	MFR	2#10-1#10G-3/4"	INDOOR DISCONNECT BY MFR
DFS-2	DUCT FREE SPLIT SYSTEM	208/1	M1	52/54	-	9	20	-	-	MFR	MFR	2#12-1#12G-3/4"	INDOOR DISCONNECT BY MFR
EDH-1	ELECTRIC DUCT HEATER	208/3	M1	810/12	7.8	-	20	2.8	N.A	MFR	MFR	3#12-1#12G-3/4"	
EDH-2	ELECTRIC DUCT HEATER	208/3	M1	1416/18	23.3	-	30	8.4	N.A	MFR	MFR	3#10-1#10G-3/4"	
EDH-3	ELECTRIC DUCT HEATER	208/3	M1	20/22/24	7.7	-	20	2.7	N.A	MFR	MFR	3#12-1#12G-3/4"	
ECH-1	ELECTRIC CEILING HEATER	120/1	M1	32	13	-	20	0.75	-	-	1P-20A	2#12-1#12G-3/4"	
ECH-2	ELECTRIC CEILING HEATER	120/1	M1	34	13	-	20	0.75	-	-	1P-20A	2#12-1#12G-3/4"	
EUH-1	ELECTRIC UNIT HEATER	208/3	M1	26/28/30	27.1	-	35	5.6	-	MFR	3P-60A	3#6-1#10G-3/4"	
KEF-1L	KITCHEN EXHAUST FAN	208/3	M1	37/39/41	4.4	-	20	-	1.5	HOOD CP	MFR	3#12-1#12G-3/4"	
KEF-1M	KITCHEN EXHAUST FAN	208/3	M1	43/45/47	4.4	-	20	-	1.5	HOOD CP	MFR	3#12-1#12G-3/4"	
KEF-1R	KITCHEN EXHAUST FAN	208/3	M1	49/51/53	4.4	-	20	-	1.5	HOOD CP	MFR	3#12-1#12G-3/4"	
KEF-2L	KITCHEN EXHAUST FAN	208/3	M1	55/57/59	4.4	-	20	-	1.5	HOOD CP	MFR	3#12-1#12G-3/4"	
KEF-2R	KITCHEN EXHAUST FAN	208/3	M1	61/63/65	4.4	-	20	-	1.5	HOOD CP	MFR	3#12-1#12G-3/4"	
KEF-3	KITCHEN EXHAUST FAN	120/1	M1	42	8.4	-	20	-	0.5	HOOD CP	MFR	2#12-1#12G-3/4"	INTERLOCK WITH DISHWASHER
EF-1	EXHAUST FAN	120/1	M1	44	7.2	-	20	-	1/3	NEMA 1	MFR	2#12-1#12G-3/4"	
EF-2	EXHAUST FAN	120/1	M1	46	5.8	-	20	-	1/4	NEMA 1	MFR	2#12-1#12G-3/4"	
MAU-1	MAKE UP UNIT	208/3	M1	1/3/5	27	33.8	60	-	10	HOOD CP	3P-60A	3#6-1#10G-3/4"	
MAU-1	MAKE UP UNIT CONDENSER 1	208/3	M1	7/9/11	17.4	21.4	30	-	-	N/A	3P-30A	3#10-1#10G-3/4"	
MAU-1	MAKE UP UNIT CONDENSER 2	208/3	M1	13/15/17	17.4	21.4	30	-	-	N/A	3P-30A	3#10-1#10G-3/4"	
MAU-1	MAKE UP UNIT CONDENSER 3	208/3	M1	2/4/6	17.4	21.4	30	-	-	N/A	3P-30A	3#10-1#10G-3/4"	
MAU-1	MAKE UP UNIT CONTROLS	120/1	M1	38	-	-	20	200W	-	N/A	1P-20A	2#12-1#12G-3/4"	
MAU-2	MAKE UP UNIT	208/3	M1	19/21/23	6.1	7.7	15	-	2	HOOD CP	3P-30A	3#12-1#12G-3/4"	
MAU-2	MAKE UP UNIT CONDENSER 1	208/3	M1	25/27/29	9.07	11.2	20	-	-	N/A	3P-30A	3#12-1#12G-3/4"	
MAU-2	MAKE UP UNIT CONDENSER 2	208/3	M1	31/33/35	17.4	21.4	30	-	-	N/A	3P-30A	3#10-1#10G-3/4"	
MAU-2	MAKE UP UNIT CONTROLS	120/1	M1	40	-	-	20	200W	-	N/A	1P-20A	2#12-1#12G-3/4"	
RTU-1	ROOFTOP UNIT	208/3	LDP1	1416/18	-	66	80	-	-	MFR	100A/3P	3#4-1#6G-1"	
RTU-2	ROOFTOP UNIT	208/3	LDP1	20/22/24	-	66	80	-	-	MFR	100A/3P	3#4-1#6G-1"	</

1. REFER TO MECHANICAL PLANS AND SCHEDULES PRIOR TO ROUGH-IN.
2. ALL STARTERS SHALL BE COMBINATION STARTER/DISCONNECTS U.N.O.
3. ALL STARTERS/DISCONNECTS SHALL BE LOCATED WITHIN SIGHT OF THE EQUIPMENT SERVED, AT A LOCATION APPROVED BY THE ARCHITECT U.N.O.
4. ALL EXTERIOR STARTERS/DISCONNECTS SHALL BE IN NEMA 3R ENCLOSURES U.N.O.
5. ALL CIRCUIT BREAKERS SERVING MULTI-MOTOR MECHANICAL EQUIPMENT SHALL BE HACR RATED.
6. PROVIDE 3/4" EMPTY CONDUIT AND BACKBOX AT T-SLOT OR SENSOR WITH CONDUIT ROUTED BACK TO UNIT SERVED FOR USE BY T.C.C.

2. COORDINATE ALL REQUIREMENTS WITH LOCAL UTILITY.
3. PROVIDE ARC FLASH HAZARD WARNING LABELS PER IEEE 1584 AND NFPA 70E (2015) TO INDICATE APPROACH BOUNDARY, INCIDENT ENERGY AVAILABLE, PPE REQUIREMENTS, ETC. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A WALKER FAULT CURRENT STUDY FROM THE UTILITY AND CALCULATING AVAILABLE FAULT CURRENT/ARC FLASH AT ALL POINTS OF ELECTRICAL DISTRIBUTION.
3. ALL EXTERIOR EQUIPMENT SHALL BE NEMA 3R RATED.
4. MAINTAIN ALL REQUIRED SERVICE CLEARANCES IN FRONT OF ELECTRICAL EQUIPMENT.
5. ALL FEEDERS SHALL BE COPPER. ALUMINUM FEEDERS ARE STRICTLY PROHIBITED.
6. MAIN BUILDING GROUND SYSTEM: PROVIDE CONNECTION TO INCOMING WATER SERVICE (JUMPER OTHER METER), SUPPLEMENTAL GROUND ROD ($5/8" \times 10'-0"$), CONNECTION TO BUILDING STEEL, UGND GROUND IN NEW FOUNDATION AND GROUND RING, BOND ALL SERVICE. PROVIDE MAIN BUILDING GROUND SYSTEM PER ARTICLE 250 OF THE NEC AND ALL LOCAL AMENDMENTS.
7. PROVIDE ENGRAVED NAMEPLATE AT NEW SERVICE DISCONNECT.



SCALE: NOT TO SCALE

FEEDER SCHEDULE						
3 PHASE, 4 WIRE				3 WIRE		
CPD No	Seets	Conductors	EGG	C. (in)	C. (in)	C. (in)
25	1	#12	12	3/4	3/4	3/4
30	1	#10	10	3/4	3/4	3/4
35	1	#8	10	3/4	3/4	3/4
40	1	#6	10	3/4	3/4	3/4
45	1	#8	10	3/4	3/4	3/4
50	1	#8	10	3/4	3/4	3/4
60	1	#6	10	1	3/4	
70	1	#4	8	1-1/4	1	
80	1	#4	8	1-1/4	1	
100	1	#3	8	1-1/4	1	
120	1	#2	8	1-1/4	1-1/4	
125	1	#2	6	1-1/2	1-1/4	
130	1	#1/0	6	2	1-1/2	
175	1	#2/0	6	2	1-1/2	
200	1	#3/0	6	2	2	
225	1	#4/0	4	2-1/2	2	
250	2	#250 Kcmil	4	2-1/2	2	
300	1	#350 Kcmil	4	3	2-1/2	
450	2	#4/0	3	3-1/2	3	
500	2	#350 Kcmil	2	2-1/2	2	
600	2	#250 Kcmil	2	2	3	
800	2	#250 Kcmil	1/0	3-1/2	3	
1000	3	#500 Kcmil	2/0	3-1/2	3	
1200	3	#500 Kcmil	3/0	3-1/2	3	
1600	4	#500 Kcmil	4/0	3-1/2	3	
2000	5	#500 Kcmil	250 Kcmil	3-1/2	3-1/2	
2500	6	#500 Kcmil	350 Kcmil	3-1/2	3-1/2	
3000	7	#500 Kcmil	500 Kcmil	3-1/2	3-1/2	
4000	10	#500 Kcmil	500 Kcmil	4	3-1/2	

FEEDER TAGS: EXAMPLE, "400N" INDICATES 400 OCPD WITH NEUTRAL, 4 WIRE. "400" INDICATES 400 OCPD, 3 WIRE. "400N2" INDICATES 400 OCPD, 5 WIRE (DBL. NEUTRAL). "400NIG" INDICATES 400A OCPD WITH NEUTRAL AND ISOLATED GROUND, 6 WIRE.

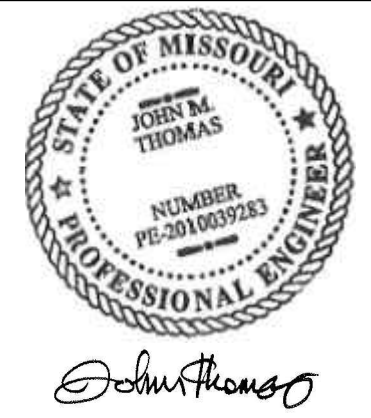
COORDINATED SHOP DRAWINGS SHALL BE PROVIDED BY EACH SUBCONTRACTOR AND SHALL CONTAIN LAYOUT OF ALL DUCTWORK, CONDUIT, PIPING, EQUIPMENT, STRUCTURE, WALLS, CEILING, ETC. AS REQUIRED TO REFLECT FULL COORDINATION ACROSS ALL TRADES AND SHALL BE SUBMITTED FOR REVIEW. COORDINATED DRAWINGS SHALL BE SIGNED OFF BY ALL OTHER TRADES PRIOR TO BEING SUBMITTED FOR REVIEW. PLANS SHALL BE PREPARED AT A MINIMUM OF 1/8" SCALE OR THE SCALE OF THE DESIGN DRAWINGS, WHICHEVER IS LARGER. NO EQUIPMENT SHALL BE INSTALLED WITHOUT APPROVED SHOP DRAWINGS.

FIELD VERIFICATION
Contractor shall verify all figured dimensions and conditions at the job site and notify Aria Group Architects, Inc. of any dimensional errors, omissions or discrepancies before beginning or fabricating any work. Do not scale these drawings.

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	2021/08/19	ISSUED FOR PERMIT
NO.	DATE	REMARKS

REVISIONS



Drawing Title

ELECTRICAL
DETAIL AND
SCHEDULES

Job No. 204530	Drawn CW
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Scale SEE PLANS	Date 08/06/2021
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Sheet No. _____

E101


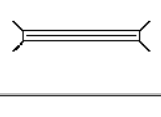
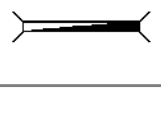
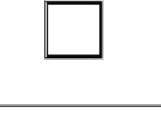

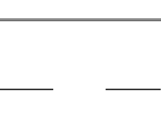
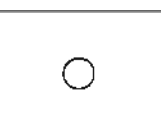




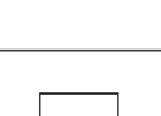


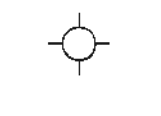

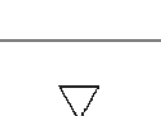
FOODSERVICE ELECTRICAL SCHEDULE												
ITEM NO.	QTY	DESCRIPTION	VOLTS	CYCLE	PHASE	KW	HP	AMPS	TYPE	NEMA	HGT AFF	REMARKS
8	2	UNDERBAR BLENDER STATION	120	60	1			15.00	JBW		15"	15.0 AMP CIRCUIT; DIV. 26 TO MOUNT KEC SUPPLIED DUPLEX RECEPTACLE AND BRANCH TO CONNECTION
11	1	4 DOOR REMOTE BACKBAR REFRIGERATED CABINET	120	60	1			2.50	CONDUIT		28"	CONNECT W/ LIQUID TIGHT CONDUIT
11.1	1	REFRIGERATED BACKBAR CABINET CONDENSING UNIT	208	60	1		3/4	9.10	DISCONNECT			NOTE 14; DISCONNECT AT UNIT ON ROOF
12	1	3 DOOR REMOTE BACKBAR REFRIGERATED CABINET	120	60	1			2.00	CONDUIT		28"	CONNECT W/ LIQUID TIGHT CONDUIT
12.1	1	REFRIGERATED BACKBAR CABINET CONDENSING UNIT	208	60	1		1/2	7.00	DISCONNECT			NOTE 14; DISCONNECT AT UNIT ON ROOF
12.2	1	2 DOOR REFRIGERATED BACKBAR CABINET	120	60	1			1.60	CONDUIT		28"	CONNECT W/ LIQUID TIGHT CONDUIT
16	1	ROTARY GLASS WASHER	120	60	1			4.30	DR			DR HEIGHT TIGHT TO BAR TOP; MOUNT DR HORIZONTALLY
18	1	FREEZER	120	60	1				DR		18"	15.0 AMP CIRCUIT
22	1	BUILT-IN WARMING DRAWER	120	60	1			7.50	JBW		18"	
23	1	REACH-IN UNDERCOUNTER REFRIGERATOR	120	60	1		1/5	5.00	DR	5-15P	18"	
26	1	ICE CREAM DIPPING CABINET	120	60	1		1/4	5.70	DR	5-15P	18"	
27	1	WALK-IN MEAT COOLER	120	60	1			3.00	JBH			NOTE 11, 12
27.1	1	WALK-IN MEAT COOLER EVAPORATOR COIL	120	60	1			1.60	JBH			
27.2	1	WALK-IN MEAT COOLER CONDENSING UNIT	208	60	3		1 1/2	11.10	DISCONNECT			NOTE 14; DISCONNECT AT UNIT ON ROOF
28	1	WALK-IN FREEZER	120	60	1			3.00	JBH			NOTE 11, 12
28.1	1	WALK-IN FREEZER EVAPORATOR COIL	208	60	1			9.80	JBH			
28.2	1	WALK-IN FREEZER COOLER CONDENSING UNIT	120	60	3		2	10.80	DISCONNECT			NOTE 14; DISCONNECT AT UNIT ON ROOF
28.3	1	WALK-IN FREEZER COIL DRAIN HEAT TAPE	208	60	1				SR			NOTE 17 (IN USE COVER)
29	1	WALK-IN PRODUCE COOLER	120	60	1			3.00	JBH			NOTE 11, 12
29.1	2	WALK-IN PRODUCE COOLER EVAPORATOR COIL	120	60	1			0.80	JBH			
29.2	1	WALK-IN PRODUCE COOLER CONDENSING UNIT	208	60	3		1 1/2	7.70	DISCONNECT			NOTE 14; DISCONNECT AT UNIT ON ROOF
31	1	SINGLE SECTION REACH-IN REFRIGERATOR	120	60	1		1/4	6.00	DR	5-15P	84"	
32	1	BEER COOLER (LIGHTS)	120	60	1			3.00	JBH			NOTE 11, 12
32.1	1	BEER COOLER EVAPORATOR COIL	120	60	1			1.60	JBH			NOTE 12, 15; ELECTRIC DFA
32.2	1	BEER COOLER CONDENSING UNIT	208	60	3		1 1/2	11.10	DISCONNECT			NOTE 14; DISCONNECT AT UNIT ON ROOF
33	1	99" REFRIGERATED PIZZA TABLE	120	60	1		1/2	14.00	DR		18"	
34	2	HOT FOOD SERVING COUNTER	208	60	1			8.32	SPR	6-15P	18"	
35	3	68" REFRIGERATED PIZZA TABLE	120	60	1		1/3	8.00	DR	5-15P	18"	
37	1	MICROWAVE CONVECTION OVEN	208	60	1			40.00	SPR	6-50P	48"	
38	1	32" - 0" PASS THRU SHELF	120/208	60	1		1		CONDUIT			BRANCH TO CONNECTIONS FOR ITEMS # 38.5, #38.6, #38.8, #38.9, & #38.10; DIV. 26 TO MAKE FINAL CONNECTIONS. ELECTRIC DFA; REFER TO CUSTOM SHOP DRAWING WIRING DIAGRAM
38.3	3	DROP-IN HOT WELL	120	60	1			4.20	JBW		24"	NOTE 4
38.5	1	60" HEAT LAMP WITH LIGHTS	120/208	0	1			16.00				
38.6	1	36" DISPLAY LIGHT	120	60	1			0.08				
38.8	1	72" HEAT LAMP WITH LIGHTS	120/208	60	1			19.60				
38.9	1	66" HEAT LAMP WITH LIGHTS	120/208	60	1			17.50				
38.10	2	54" HEAT LAMP WITH LIGHTS	120/208	60	1			14.00				
40	1	MICROWAVE OVEN	120	60	1			17.70	DR	5-20P	66"	
41	1	32" REFRIGERATED SANDWICH UNIT	120	60	1		1/5	7.20	DR	5-15P	18"	
42	1	75" REFRIGERATED EQUIPMENT STAND	120	60	1		1/4	10.00	DR	5-15P	18"	
43	1	36" RANGE W/ CONVECTION OVEN	120	60	1		1/3	4.00	DR		18"	CONVECTION OVEN BASE
46	1	32" REFRIGERATED SANDWICH UNIT	120	60	1		1/5	7.20	DR	5-15P	18"	
47	1	36" COUNTERTOP GRIDDLE	120	60	1			1.00	DR	5-15P	18"	
48	1	DECK BROILER	120	60	1			2.00	DR		48"	
52	1	52" REFRIGERATED EQUIPMENT STAND	120	60	1		1/5	8.00	DR	5-15P	18"	
53.1	1	FRYER PUMP	120	60	1			9.00	DR	5-15P	48"	
54	1	27" WORKTOP FREEZER	120	60	1		1/5	5.00	DR	5-15P	18"	
55	1	64" REFRIGERATED SANDWICH UNIT	120	60	1		1/2	12.00	DR	5-15P	18"	
56	1	PASTA COOKER	120	60	1			2.00	DR		18"	
58	1	EXHAUST HOOD-MAIN COOKLINE	0						JBH			NOTE 21, 22, 23; REFER TO HOOD DRAWINGS; DIV. 26 TO PROVIDE SERVICE DFA THRU EMS ITEM # 93 TO FANS ON ROOF
59	1	EXHAUST HOOD - PREP LINE	0						JBH			NOTE 21, 22, 23; REFER TO HOOD DRAWINGS; DIV. 26 TO PROVIDE SERVICE DFA THRU EMS ITEM # 93 TO FANS ON ROOF
61	1	COOK & HOLD CABINET	120	60	1	1.90		16.00	SR	5-20P	18"	
62	1	DOUBLE CONVECTION OVEN	120	60	1		1/2	7.90	DR	5-15P		
64	1	BOILERLESS STEAMER W/ WATER FILTER	208	60	3	10.00		28.00	SPR	L15-30P	48"	(2) DR'S (1) AT 18" & (1) AT 48"
67	1	30 GAL TILTING SKILLET	120	60	1			5.00	JBW		24"	NOTE 4
69	1	74" WORKTABLE	120	60	1			15.00	DR	5-20R	48"	(2) DUPLEX CONVENIENCE OUTLET
71	1	78" WORKTABLE	120	60	1			15.00	DR	5-20R	48"	DUPLEX CONVENIENCE OUTLET
73	1	102" WORKTABLE	120	60	1			15.00	DR	5-20R	48"	DUPLEX CONVENIENCE OUTLET
75	1	40QT MIXER	220	60	1		2	12.00	SPR	L6-30P	24"	
76	1	TUMBLER	120	60	1			4.00	DR			
81	1	CONVEYOR TYPE DISHWASHER	208	60	3			48.80	JBW/DISC		64"	NOTE 6, 19, 26; DIV. 26 TO PROVIDE DISCONNECT & INTERWIRE TO DISHMACHINE; COORDINATE ROUGH-IN LOCATION W/ DISCONNECT
81.1	1	DRAIN WATER TEMPERING KIT - BY VENDOR	120	60	1			15.00	DR		12"	NOTE 20, 26; 15.0 AMP CIRCUIT; FOR DRAIN WATER TEMPERING KIT
82	1	BOOSTER HEATER	208	0	3			149.90	JBW/DISC		12"	NOTE 4, 26; DIV. 26 TO PROVIDE DISCONNECT & INTERWIRE TO BOOSTER HEATER. COORDINATE ROUGH-IN LOCATION W/ DISCONNECT. REFER TO HOOD DRAWINGS FOR ADDITIONAL INFO
83	1	CONDENSATE HOOD	0									
83.1	2	CONDENSATE HOOD (FAN/LIGHT SWITCH)	0									
86	1	SLICER	120	60	1		1/2	7.00	DR	5-15P	48"	
92	1	FIRE SUPPRESSION SYSTEM	120	60	1			20.00	JBH			NOTE 23; 20.0 AMP CIRCUIT; ELECTRIC DFA
92.1	2	FIRE SUPPRESSION PULL STATION	0									NOTE 25; VERIFY LOCATION W/ FIRE SUPPRESSION CONTRACTOR AND LOCAL INSPECTOR
100	1	GLYCOL CHILLER	120	60	1		1/2	22.70	JBW			
109	1	REFRIGERATED TRUFFLE CASE	120	60	1	0.76		10.10	SR	5-15P		STUB UP AND BRANCH TO DR IN MILLWORK CABINET SUPPLIED BY KEC
110	2	36" BOTTLE COOLER	120	60	1		1/5	4.60	DR	5-15P	18"	
111	2	UNDERBAR HAND SINK	120	0	1			20.00			12"	
112	3	GLASSWASHER	120	60	1			12.00	SR		18"	NOTE 1, 26; DIV. 26 TO PROVIDE CORD & PLUG
113	4	24" BOTTLE COOLER	120	60	1		1/6	1.90		5-15P		
116.2	1	REMOTE WATER CHILLER	120	60	1		1/5	3.00	DR		18"	
128	1	FOOD PROCESSOR	120	60	1		1 1/2	9.00	DR		48"	NOTE 28
129	1	60" WORK TABLE	120	60	1			15.00	DR	5-20P	48"	DUPLEX CONVENIENCE OUTLET
140	1	7 QT MIXER	120	60	1			6.00	DR		48"	
145	1	VEGETABLE DRYER	120	60	1			2.70	DR	5-15P	18"	
BL	3	BUG LIGHT	120	60	1			15.00	DR		72"	NOTE 26
C1	3	RECIPE MONITOR										NOTE 26
C4	1	1800# ICE CUBER	208	60	1			17.00	JBW/DISC		84"	NOTE 5; DIV. 26 TO PROVIDE DISCONNECT IF REQUIRED & INTERWIRE TO ICE MAKER
C4.2	1	ICE MAKER REMOTE CONDENSING UNIT	208	60	1			1.00	DISCONNECT			ELECTRICAL POWER TO REMOTE CONDENSER SUPPLIED FROM ICE MACHINE
C7	1	SODA DISPENSER	120	60	1			16.00	DR	5-20P	12"	NOTE 26
C8	1	ESPRESSO MACHINE	208	60	1	0.00			SPR	L6-30P	42"	NOTE 26; 30 AMP CIRCUIT
C9	1	COFFEE GRINDER	120	60	1			8.00	DR	5-15P	42"	NOTE 26
C10	1	COFFEE MAKER	208	60	1			24.30	SPR	L14-30P	42"	NOTE 26; 30 AMP CIRCUIT
C12	1	ICED TEA MAKER	120	60	1			14.20	SR	5-15P	42"	NOTE 26
C18	2	SODA CARBONATOR	120	60	1			15.00	DR	5-15P	84"	NOTE 26; 15.0 AMP CIRCUIT
C19	1	CO2 TANK	0									NOTE 26
C20	1	NITROGEN TANK/BLENDER	120	60	1			15.00	DR		60"	NOTE 26
C21	1	OIL TANK	120	60	1			20.00	QR	5-20P	84"	NOTE 26; W/ ANALOG PHONE JACK AT 84" AFF
CO	1	CONVENIENCE OUTLETS	120	60	1			15.00	DR	5-20R	42"	DUPLEX CONVENIENCE OUTLETS

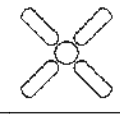
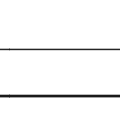
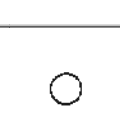
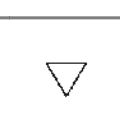
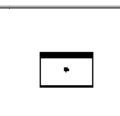

EACH PIECE OF KITCHEN EQUIPMENT SHALL BE PROVIDED WITH A RECEPTACLE OR READILY ACCESSIBLE DISCONNECT SWITCH, TYP. PROVIDE A MUSHROOM STYLE EMERGENCY POWER OFF DEVICES FOR THE BOOSTER HEATER AND DISHWASHER WITH SHUT TRIP BREAKER IN LIEU OF A LOCAL DISCONNECT. COORDINATE FINAL KEC REQUIREMENTS WITH KITCHEN EQUIPMENT CUTS PRIOR TO ROUGH-IN.

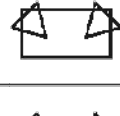
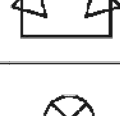
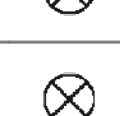
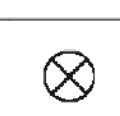

SEE SHEET E101 FOR FOOD
SERVICE ELECTRICAL NOTES

COORDINATED SHOP DRAWINGS SHALL BE PROVIDED BY EACH SUBCONTRACTOR AND SHALL CONTAIN A LAYOUT OF ALL DUCTWORK, CONDUIT, PIPING, EQUIPMENT, STRUCTURE, WALLS, CEILING, ETC. AS REQUIRED TO REFLECT FULL COORDINATION ACROSS ALL TRADES AND SHALL BE SUBMITTED FOR REVIEW. COORDINATED DRAWINGS SHALL BE SIGNED OFF BY ALL OTHER TRADES PRIOR TO BEING SUBMITTED FOR REVIEW. PLANS SHALL BE PREPARED AT A MINIMUM OF 1/8" SCALE OR THE SCALE OF THE DESIGN DRAWINGS, WHICHEVER IS LARGER. NO EQUIPMENT SHALL BE INSTALLED WITHOUT APPROVED SHOP DRAWINGS.

GENERAL NOTES						
1. BLACK TRIM RINGS TO BE FACTORY PAINTED SHERWIN WILLIAMS CARBIDE BLACK POLANE T (RAL# F63812), AND ARE NOTED BY A-b IN THE FIXTURE TAG.						
2. ALL LAMPS SHALL BE SYLVANIA, PHILIPS, SATCO, OR TOP, UNLESS NOTED OTHERWISE AND PROVIDED BY G.C.						
3. ALL INTERIOR AND EXTERIOR SURFACE AND RECESSED LIGHT FIXTURES SHALL BE LABELED "UL LISTED."						
4. BATTERY PACKS PROVIDED FOR ALL EXIT SIGNS AND EMERGENCY EGRESS FIXTURES SHALL BE RATED FOR MINIMUM 90 MINUTE OPERATION AT FULL OUTPUT.						
5. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND/OR THE MISCELLANEOUS LIGHTING DETAIL SHEETS FOR EXACT LOCATIONS OF LIGHT FIXTURES.						
6. FOR ALL LIGHTOLIER/DAYBRITE/GARCO/PHILIPS/CHLORIDE LIGHTING FIXTURES, CONTACT JULIE BLANKENHEIM, 630-488-7403.						

ARCHITECTURAL LIGHT FIXTURE SCHEDULE							
TYPE	MANUFACTURER / MODEL #	LAMP	VOLTAGE	WATTS	VA	DESCRIPTION	QUANTITY
K1	 DAYBRITE 2EVG54LH8304DUNVDM	INTEGRAL LED	UNIVERSAL	55		2'x4', RECESSED 3000K LED TROFFER, PRISMATIC LENS AND ELECTRONIC BALLAST, @ B.O.H.	29
K1-E M	 DAYBRITE 2EVG54LH8304DUNVDM-EMLED	INTEGRAL LED	UNIVERSAL	55		2'x4', RECESSED 3000K LED TROFFER, PRISMATIC LENS, ELECTRONIC BALLAST AND EMERGENCY BATTERY PACK FOR TWO LAMPS RATED FOR 1100 TO 1400 LUMENS, @ B.O.H.	11
K3	 DAYBRITE T232-UNV-1/2-EB-IOP232-LWN-FKR-126-CG-4 INSTANT START BALLAST	(2) 14W TLED PHILIPS INSTANT FIT- 3000K	UNIVERSAL	28		4'-0", STANDARD STRIP WITH 2-LAMP T8, AND ELECTRONIC BALLAST, WITH WIRE GUARD AND CHAIN HANGER KIT	2
K3-E M	 DAYBRITE T232-120-1/2-EB10R-E5-FKR-126-CG-4 INSTANT START BALLAST & EMERGENCY BATTERY PACK	(2) 14W TLED PHILIPS INSTANT FIT- 3000K	UNIVERSAL	28		4'-0", STANDARD STRIP WITH 2-LAMP T8, AND ELECTRONIC BALLAST AND EMERGENCY BATTERY PACK, WITH WIRE GUARD AND CHAIN HANGER KIT	2
K4	 DAYBRITE 2EVG30L830-2-D-UNV-DIM	(2) 14W TLED PHILIPS INSTANT FIT- 3000K	UNIVERSAL	28		2'x2', RECESSED DIMMABLE 3000K LED @ B.O.H.	1
LS1	 NOVA FLEX NF-PRQ-D-120-24V-2700K	WARM WHITE LED, LAMP INTEGRAL	12V		PER DRIVER	DIMMING COMPATIBILITY TO BE VERIFIED BY PROJECT, 0-10V AND MLV DIMMING DRIVERS ARE AVAILABLE. REFER TO RCP & MISC. LIGHTING DETAIL SHEETS FOR QUANTITY/LOCATION. LED TAPE LIGHT. SURFACE MOUNTED w/ LOW PROFILE CHANNEL (CONCEALED). CLEAR PANEL USED FOR TASK LIGHTING AND AND SOFT PANEL USED FOR MILLWORK & SUSPENDED BARREL LIGHTING	45
LS3	 ONMILIGHT FIXTURE: GEN-27-SHO-CC LEADER- DRIVERS AS REQUIRED PER PLAN	2700K LED	24V		5.3 / FT	DIMMING COMPATIBILITY TO BE VERIFIED BY PROJECT, 0-10V AND MLV DIMMING DRIVERS ARE AVAILABLE. REFER TO RCP & MISC. LIGHTING DETAIL SHEETS FOR QUANTITY/LOCATION. STRIP LIGHT AT MILLWORK WINE DISPLAYS	6
R2-b	 LIGHTOLIER FRAME: 4RN ENGINE: CAL10827M210U TRIM: CARCLCL - PAINT BLACK	2700K LED	120V	11		4" LED RECESSED DOWNLIGHT - DIMMABLE WITH 0-10V DIMMER (INTERNAL LENS STANDARD IS APPROVED FOR OVER FOOD SERVICE) BLACK FLANGE. MEDIUM SPREAD BEAM. 1000 LUMENS - USED FOR CEILING HEIGHTS BETWEEN 9' AND 12'	90
R3-b	 LIGHTOLIER FRAME: 3RN ENGINE: CSFA10927NSZ10U TRIM: CSRAPB9BK - PAINT BLACK	2700K LED	120V	13		3" RECESSED ADJUSTABLE PINHOLE APERTURE DOWNLIGHT - DIMMABLE WITH 0-10V DIMMER PINHOLE SPOT LIGHT. BLACK FLANGE 1000 LUMENS - USED TO LIGHT TABLES	32
R5	 LIGHTOLIER FRAME: 3RN ENGINE: CSFA10927FLZ10U TRIM: C3RACL	2700K LED	120V	13		3" RECESSED ADJUSTABLE APERTURE 1,000 LUMEN LED ACCENT LIGHT. DIMMABLE WITH 0-10V DIMMER WHITE FLANGE WIDE FLOOD-USED FOR CEILING HEIGHTS 10'-12'	11
R5-b	 LIGHTOLIER FRAME: 3RN ENGINE: CSFA10927FLZ10U TRIM: C3RACL - PAINTED BLACK	2700K LED	120V	13		3" RECESSED ADJUSTABLE APERTURE 1,000 LUMEN LED ACCENT LIGHT. DIMMABLE WITH 0-10V DIMMER BLACK FLANGE WIDE FLOOD-USED FOR CEILING HEIGHTS 10'-12'	17
R6	 LIGHTOLIER LYTECASTER FRAME-IN KIT: L3NZ10U LIGHT ENGINE: L308927NF ROUND TRIM: L3RAPW	2700K LED	120V	--		RECESSED ADJUSTABLE LED DOWNLIGHT WITH PINHOLE APERTURE. DIMMABLE WITH 0-10V DIMMER WHITE FLANGE USED FOR CEILING HEIGHTS BETWEEN 8'-10'	6
R7	 LIGHTOLIER FRAME IN KIT: 4RN LIGHT ENGINE: P4RDL20827CLZ10U	2700K LED	120V	21		4" ROUND DOWNLIGHT WHITE FLANGE USED IN RESTROOMS	18
S1	 LUCIFER LIGHTING COMPANY PUKLED LPK SEMI-RECESSED LED LPK-1-80L-02A-27-B	4.3W AC LED	120V/12V	4.3		SEMI-RECESSED PUK LIGHT WITH BLACK TRIM RING. PROVIDE WITH REMOTE POWER SUPPLY. REFER TO RCP & MISC. LIGHTING DETAIL SHEETS FOR QUANTITY/LOCATION AND INSTALLATION TYPE. USED FOR MILLWORK LIGHTING	20
S3-b	 JUNO - TRAC MASTER AVANT GARDE CYLINDRA T254L 27K 80CRI PDIM SP B	2700K 80 CRI 15W LED SP	120V	15		SURFACE MOUNTED MONOPOINT WITH CANOPY AND ELV TRANSFORMER -- = MONOPOINT W/ NO STEM a = MONOPOINT W/ 12" STEM b = MONOPOINT W/ 18" STEM c = MONOPOINT W/ 24" STEM * NOTE: STEMS CAN BE COMBINED FOR ADDITIONAL LENGTHS AND ARE NOTED BY TWO LETTERS SURFACE MOUNTED MONOPOINT WITH CANOPY AND ELV TRANSFORMER -- = MONOPOINT W/ NO STEM a = MONOPOINT W/ 12" STEM b = MONOPOINT W/ 18" STEM c = MONOPOINT W/ 24" STEM * NOTE: STEMS CAN BE COMBINED FOR ADDITIONAL LENGTHS AND ARE NOTED BY TWO LETTERS	34
T1	 LIGHTOLIER MODEL: LT08RNF827BKVA/6074BK	2700K LED	120V	9		LED TRACK HEAD, 2700K IN BLACK NARROW FLOOD DISTRIBUTION, ELV DIMMING BLACK FINISH, 18" STEM.	43
TR6	 LIGHTOLIER 6008NBK 6" TRACK 6048NBK LIVE END	--	--	--		LIGHTOLIER BASIC LYTESPAN SINGLE CIRCUIT TRACK BLACK FINISH REFER TO PLAN FOR TRACK HEADS	7
TR8	 LIGHTOLIER 6008NBK 8" TRACK 6048NBK LIVE END	--	--	--		LIGHTOLIER BASIC LYTESPAN SINGLE CIRCUIT TRACK BLACK FINISH REFER TO PLAN FOR TRACK HEADS	4

EXTERIOR LIGHT FIXTURE SCHEDULE							
TYPE	MANUFACTURER / MODEL #	LAMP	VOLTAGE	WATTS	VA	DESCRIPTION	QUANTITY
CF	 FANIMATION SPITFIRE (DAMP RATED) MODEL: MA6721BK BLADES: B6720	--	120V	--		MOTOR ASSEMBLY: MATTE GREIGE FAN ASSEMBLY BLADES: 80" SWEEP SPITFIRE NATURAL WOOD BLADE SET W/ FAN CONTROL BY LUTRON MODEL #DVFSQ-F-BL	4
RH-2	 SOLARIA ICR SERIES MODEL: SICR40240B-SMART34-DV-SM-WSD	--	208V	3,000		ELECTRIC HEATER AT PATIO. SOLARIA SMART 16A DUAL VOLTAGE VARIABLE CONTROL. 34.5"L x 10"W x 4.33"D DUAL VOLTAGE DIGITAL CONTROLLER- SMART34-DV WALL SWITCH FOR SMART34-DV- SM-WSD BLACK FINISH MOUNT HEATER AT 45 DEGREE ANGLE W/ STANDARD FACTORY BRACKET	8
X1-b	 LIGHTOLIER FRAME: 6RN ENGINE: C6L15927WZ10U TRIM: C6RDOLCL PAINTED BLACK	--	120V/227V	--		CALCULITE GEN 3 - 6" ROUND RECESSED LED DOWNLIGHT. UL WET LOCATION LISTED. BLACK FLANGE USED FOR EXTERIOR CANOPY DOWNLIGHTING	2
X3	 RAB LIGHTING LFP16B	(1) 7 WATT TCP LED7P1627KFL	120V	60		LAMP BEAM ANGLE TO BE 30° DEGREE SPREAD BLACK FINISH SURFACE LIGHTING USED AT REGULAR HARD LID PATIO CANOPIES	20
X5-E M	 GARDCO 121-16L-700-WW-G4-3-EBPC-120-BK	LED	120V	--		SURFACE MOUNTED 2 LAMP LED WALL PACK WITH MEDIUM THROW CUT OFF OPTICS AND EMERGENCY BATTERY OPTION. BLACK FINISH	9
XSC1	 DECORATIVE SCONCE MFR: KUZCO STYLE: MICA MODEL: AT6606	3000K LED	120V	15W		FINISH: BLACK SIZE: 5-1/2" W X 4-1/2" H X 1-1/2" D LOCATION: EXTERIOR WALL REFER TO ELEVATIONS FOR MOUNTING HEIGHT	4

EXITING & EMERGENCY LIGHT FIXTURE SCHEDULE							
TYPE	MANUFACTURER / MODEL #	LAMP	VOLTAGE	WATTS	VA	DESCRIPTION	QUANTITY
EM1	 EXITRONIX LED-90	LED	120V	12		EMERGENCY LIGHTING FOR FRONT OF HOUSE. WHITE HOUSING	2
EM1-b	 EXITRONIX LED-90BL	LED	120V	12		EMERGENCY LIGHTING FOR FRONT OF HOUSE. BLACK HOUSING	5
EX1	 PHILIPS - CHLORIDE CALIBER SERIES CN6RWW21C	LED INCLUDED WITH UNIT	120V	3.8		SINGLE-SIDED, WALL OR CEILING MOUNTED, EDGE-LIT, LED EXIT SIGN TO BE USED IN FRONT OF HOUSE. WHITE FINISH	1
EX1-b	 PHILIPS - CHLORIDE CALIBER SERIES CN6RWB21C	LED INCLUDED WITH UNIT	120V	3.8		WALL OR CEILING MOUNTED, EDGE-LIT, LED EXIT SIGN TO BE USED IN FRONT OF HOUSE. BLACK FINISH	11
EX2	 PHILIPS CHLORIDE VE SERIES VERVEN	LED INCLUDED WITH UNIT	120V	3.62		LED EXIT SIGN WITH THERMOPLASTIC HOUSING AND 2 STENCIL FACES TO BE USED IN BACK OF WHITE FINISH	5

DECORATIVE LIGHT FIXTURE SCHEDULE							
TYPE	MANUFACTURER / MODEL #	LAMP	VOLTAGE	WATTS	VA	DESCRIPTION	QUANTITY
P1	 DECORATIVE PENDANT MRF: TROY LIGHTING STYLE: DISTRICT MODEL: F5571	(1) 4.5W DIMMABLE LED / T9 (8") / E26 / CLEAR / 2700K	120V	4.5W		FINISH: SATIN BLACK/TOPAZ GLASS SIZE: 8"W x 15.75"H LOCATION: PRIVATE DINING ROOM, REFER TO ENLARGED PLAN FOR MOUNTING HEIGHTS	5
P2	 DECORATIVE PENDANT MRF: TROY LIGHTING MODEL: F6223	(3) 4W DIMMABLE LED / G8 WEDGEBASE XENON / 2700K	120V	6W		FINISH: TEXTURED BLACK SIZE: 25" DIA x 20" H LOCATION: BAR DINING. MOUNT AT 8'-4" A.F.F.	5
P3	 DECORATIVE PENDANT MRF: TROY LIGHTING STYLE: DISTRICT MODEL: F5571	(1) 4.5W DIMMABLE LED / T9 (8") / E26 / CLEAR / 2700K	120V	4.5W		FINISH: SATIN BLACK/TOPAZ GLASS SIZE: 8"W x 15.75"H LOCATION: PRIVATE DINING ROOM, REFER TO ENLARGED PLAN FOR MOUNTING HEIGHTS	6
P4	 DECORATIVE PENDANT MRF: TROY LIGHTING STYLE: DISTRICT MODEL: F5571	(1) 4.5W DIMMABLE LED / T9 (8") / E26 / CLEAR / 2700K	120V	4.5W		FINISH: SATIN BLACK/TOPAZ GLASS SIZE: 8"W x 15.75"H LOCATION: PRIVATE DINING ROOM, REFER TO ENLARGED PLAN FOR MOUNTING HEIGHTS	4
P5	 DECORATIVE PENDANT MRF: TROY LIGHTING STYLE: DISTRICT MODEL: F5571	(1) 4.5W DIMMABLE LED / T9 (8") / E26 / CLEAR / 2700K	120V	4.5W		FINISH: SATIN BLACK/TOPAZ GLASS SIZE: 8"W x 15.75"H LOCATION: PRIVATE DINING ROOM, REFER TO ENLARGED PLAN FOR MOUNTING HEIGHTS	10
SC1	 WALL SCONCE MFR: ONE FOURTY THREE STYLE: WALLACE LAMP MODEL:	LED				FINISH: BLACK LAMP W/ BRASS SHADE/BRASS HARDWARE SIZE: 9" PLATE X 17" H X 12" D LOCATION: RETAIL	7
SC2	 WALL SCONCE MFR: MITZI STYLE: BELINDA MODEL: H415101A-OB	LED				FINISH: OLD BRONZE SIZE: 6" W X 14" W X 7" H LOCATION: BATHROOMS	9
TBL1	 TABLE LAMP MFR: PAGE ONE LIGHTING STYLE: CENTURY LED TABLE LAMP MODEL:	3000K LED	120V	7W		FINISH: SATIN FARK GRAY WITH SMOKE GLASS SIZE: 5.9" DIA X 17.6" H LOCATION: HOST STAND	1

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PROJECT NO. 21-0064

DATE: 08/17/2021

BY: CHOMATHUN WANTAMANE

CHECKED: J. THOMAS

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PROJECT NO. 21-0064

DATE: 08/17/2021

BY: CHOMATHUN WANTAMANE

CHECKED: J. THOMAS

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CHECKED: J. THOMAS

DATE: 08/17/2021

BY: J. THOMAS

PROJECT NO. 21-0

Name:	CH Lee Summit														
Tag:	LP1														
Load	Load type	A	B	C	Amps	No.	No.	Amps	A	B	C	Load type	Load		
PANEL KP1	P	49808	54049		400	1	2	200	18001			K	#62 BOOSTER HEATER		
ST	P					3	4					K			
#62 DL OVEN	P	8180				7	8	ST				K	ST		
PANEL POS	P		6240		100	9	10					S	SFACE		
ST	P	46405		5760		11	12					S	SFACE		
PANEL TM	P		39165		400	15	16	80	7926			H	RTU-1		
ST	P		41043			17	18			7926		H			
PANEL LP1	P	10359				19	20					H			
ST	P		9037		200	21	22	80	7926			H	RTU-2		
SPACE						23	24			7926		H			
						25	26			8646		H			
						27	28	90		8646		H	RTU-3		
RTU-6	S	3603				31	32			3603		H			
ST	S		3603		40	33	34	40		3603		H	RTU-4		
	S			3603		35	36					H			
SPD					30	37	38	150	13810			H	RTU-5		
						39	40		13810			H			
						41	42		13810			H			
Subtotal #1		118355	112094	112017					59911	59911	59911		Subtotal #2		
Subtotal #2		59911	59911	59911											
Subtotal #1 + #2		178265	172005	171928											
Total Panel Load:	522.2 KVA		1449.5 Amps	1087.3					Demand Amps						
Volts:	120/208V	3ph 4W		Min. withstand:	42k										
Mains:	1200 A.MLO		Spcl. provisions:												
Mounting:	SEE PLANS			FT=FEED THRU, ST=SHUNT TRIP, AF=ARC FAULT, GF=GROUND FAULT, GC=GFCLD+LOCK ON									8/17/2021		
Notes:															
1. Contractor shall provide adequate withstand rating of equipment per available fault current from the existing utility or distribution. Coordinate with utility.															
2. Contractor shall provide a circuit schedule directory in or on the face of electric panel.															
3															
4															
5															

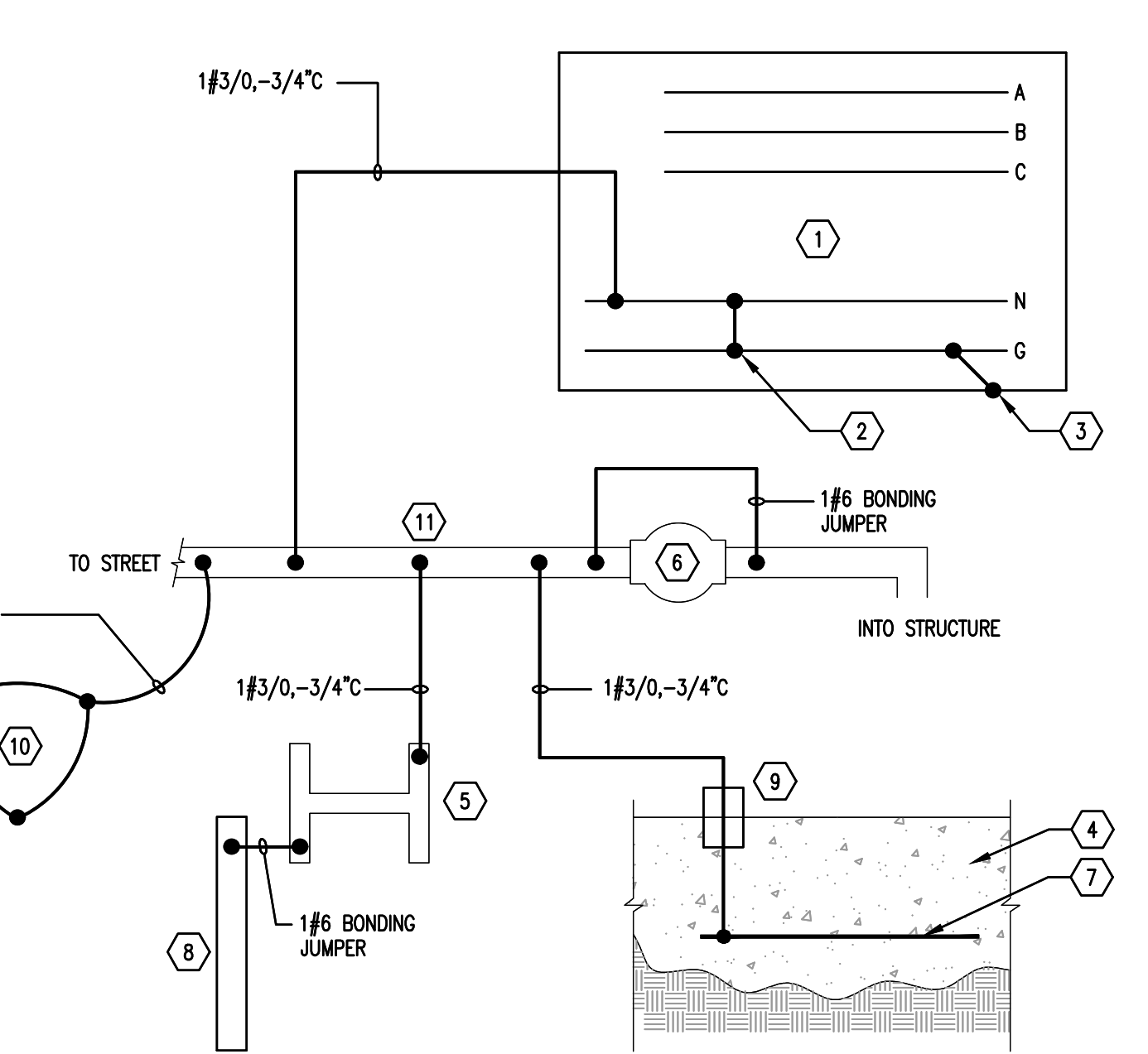
Name:	CH Lee Summit														
Tag:	M1														
Load	Load type	A	B	C	Amps	No.	No.	Amps	A	B	C	Load type	Load		
MAU-1, UNIT	H	3242				1	2		2089			H	MAU-1, COND 3		
ST	H		3242	3242	60	3	4	30		2089		H			
	H					5	6					H			
MAU-1, COND 1	H	2089			30	7	8		937			EH	EDH-1		
ST	H		2089	2089		9	10	20		937		EH			
	H					11	12					EH			
MAU-1, COND 2	H	2089		2089	30	13	14		2798			EH	EDH-2		
ST	H		2089	2089		15	16	30		2798		EH			
	H					17	18			2798		EH			
MAU-2, UNIT	H	733			30	19	20		925			EH	EDH-3		
ST	H		733	733	15	21	22	20		925		EH			
	H					23	24			925		EH			
MAU-2, COND 1	H	1089			20	25	26	35	3254			EH	EDH-1		
ST	H		1089	1089		27	28			3254		EH			
	H					29	30			3254		EH			
MAU-2, COND 2	H	2089		2089	30	31	32	20	1560			EH	EDH-1		
ST	H		2089	2089		33	34	20		1560		EH			
	H					35	36	20	1350			H	AC-1		
KEF-1L	H	528			20	37	38	20	200			H	MUA-1 CONTROL		
ST	H		528	528		39	40	20	200			H	MUA-2 CONTROL		
	H					41	42	20	1008			H	KEF-3		
KEF-1M	H	528			20	43	44	20	664			H	EF-1		
ST	H		528	528		45	46	20	666			H	EF-2		
	H					47	48	30	1976			H		DFSS-1	
KEF-1R	H	528			20	49	50					H			
ST	H		528	528		51	52	20	936			H		DFSS-2	
	H					53	54					H			
KEF-2L	H	528			20	55	56					H		SPACE	
ST	H		528	528		57	58					H			
	H					59	60					H			
KEF-2R	H	528			20	61	62		2882			EQ			
ST	H		528	528		63	64	30	2882			EQ	TRASH COMPACTOR		
	H					65	66		2882			EQ			
SPACE						67	68		2882			EQ			
						69	70	30		2882		EQ	TRASH COMPACTOR		
						71	72			2882		EQ			
(2) PATIO HEATERS	EH	3016			40	73	74		3016			EH	(2) PATIO HEATERS		
ST	EH		3016	3016		75	76			3016		EH			
	EH					77	78	40		3016		EH	(2) PATIO HEATERS		
(2) PATIO HEATERS	EH	3016			40	79	80					EH			
SPACE						81	82								
SPACE						83	84								
Subtotal #1		20008	16990	16990					26399	22175	24053		Subtotal #2		
Subtotal #2		26399	22175	24053											
Subtotal #1 + #2		46405	39165	41043											
Total Panel Load:	126.6 KVA		351.5 Amps	386.8					Demand Amps						
Volts:	120/208V	3ph 4W		Min. withstand:	42k										
Mains:	400 A.MLO		Spcl. provisions:												
Mounting:	SEE PLANS			FT=FEED THRU, ST=SHUNT TRIP, AF=ARC FAULT, GF=GROUND FAULT, GC=GFCLD+LOCK ON									8/17/2021		
Notes:															
1. Contractor shall provide adequate withstand rating of equipment per available fault current from the existing utility or distribution. Coordinate with utility.															
2. Contractor shall provide a circuit schedule directory in or on the face of electric panel.															
3															
4															
5															

Name:		CH Lee Summit														
Tag:		LP1														
Load	Load type	A	B	C	Amps	No.	No.	Amps	A	B	C	Load type	Load			
RTU GFCS	R	720			20	1	2	20	720			L	LIGHTING			
TOILET RECEIPT	R		360		20	3	4	20		607		L	LIGHTING			
TOILET RECEIPT	R			360	20	5	6	20			1122	L	LIGHTING			
EMPLOYEE TOILET RECEIPT	R	540			20	7	8	20		618		L	LIGHTING			
WATER SOFTENER (WS-1)	R		200		20	9	10	20			979	L	LIGHTING			
GENRES MEZZ	R			360	20	11	12	20				L	LIGHTING			
GENERAL RECEIPT	R	900			20	13	14	20		1103		L	LIGHTING			
GENERAL RECEIPT	R		720		20	15	16	20			865	L	LIGHTING			
KITCHEN GENERAL RECEIPT	R			540	20	17	18	20			1240	L	FAN/LIGHTING + FAN			
MBAIRING RM RECEIPT	R	540			20	19	20	20					SPARE			
SPRING RM RECEIPT	R		180		20	21	22	20					SPARE			
SHADE MOTORS	R			500	20	23	24	20					SPARE			
SHADE MOTORS	R	500			20	25	26	20					SPARE			
SHADE MOTORS	R		500		20	27	28	20					L	MENUS & EASEL BOARD		
WH-1	HW			180	20	29	30	20			1200	L	EXTERIOR SIGNAGE			
WH-1	HW	180			20	31	32	20		1200		L	EXTERIOR SIGNAGE			
WH-1	HW		180		20	33	34	20			1200	L	EXTERIOR SIGNAGE			
WH-1	HW			180	20	35	36	20			1200	L	MONUMENT			
WH-1	HW	180			20	37	38	20		200		EQ	GREASE PUMP			
WH-1	HW		180		20	39	40	20			1000	EQ	POWER DOOR			
WH-1	HW			180	20	41	42	20 LO			200	EQ	SECURITY SYSTEM			
RP-1	EQ	180			20	43	44	20 LO		200		EQ	CO2 ALARM PANEL			
	EQ				20	45	46	20 LO			400	EQ	ALARM SYSTEM			
RP-1	EQ		1273		20	47	48	20 LO				800	EQ	FACP		
	EQ	1273			20	49	50	20 LO		105		L	EXIT SIGNS			
SPARE	S				20	61	62	20			393	L	EXTERIOR LIGHTING			
SPARE	S				20	63	64	20			1200	L				
SPARE	S				20	65	66	20		1200		L	SITE LIGHTING			
SPARE	S				20	67	68	20				S	SPARE			
SPARE	S				20	69	60	20				S	SPARE			
Subtotal #1			5013	3593	3573							5346	5444	8118	Subtotal #2	
Subtotal #2			5346	5444	8118											
Subtotal #1 + #2			10359	9037	11691											
Total Panel Load:		31.1	KVA	86.3		Amps	103.1	Demand Amps								
Volts: 120/208V		3ph, 4W		Mn. withstand:		42k										
Mains:		200 A/MLO		Spcl. provisions:												
Mounting: SEE PLANS		P1- FEED THRU; G1-SHUNT TRIP; AF-ARC FAULT; G6-GROUND FAULT; G6-GF-CLO-LOCK ON													8/17/2021	
Notes:																
1. Contractor shall provide adequate withstand rating of equipment per available fault current from the existing utility or distribution. Coordinate with utility.																
2. Breaker for FACP shall be red in color																
3. Contractor shall provide a circuit schedule directory in or on the face of electric panel.																
5																

Lighting Zone / Relay Schedule													
Zone	Switch bank	Area served	Fixture tag	Load type	Qty.	Fixture wattage	Total Watts	Panel	Relay #	Ckt	Wall Dimmer Model# (Leviton)	Power Extender	Remarks
1	A	ENTRY VESTIBULE	R2-b	0-10V	2	11	22	LP1	1	LP1.4	IP710-LFZ	-	
2		NOT USED							2				
3	A	WAITING AREA	TR6 (T1 HEAD)	ELV	1	60	60	LP1	3	LP1.2	VRE06-1LZ	-	PROVIDE DRIVER AS REQUIRED
4	A	RETAIL	TR6 (T1 HEAD)	ELV	3	60	180	LP1	4	LP1.2	VRE06-1LZ	-	PROVIDE DRIVER AS REQUIRED
5	A	RETAIL	SC1	LED	4	15	60	LP1	5	LP1.2	IPLO6-10Z	-	
6	A	RETAIL	TR6 (T1 HEAD)	ELV	4	60	240	LP1	6	LP1.2	VRE06-1LZ	-	PROVIDE DRIVER AS REQUIRED
7	A	RETAIL	TR6 (T1 HEAD)	ELV	3	60	180	LP1	7	LP1.2	VRE06-1LZ	-	PROVIDE DRIVER AS REQUIRED
8	A	CHECK-OUT	R2-b	0-10 V	4	11	44	LP1	8	LP1.4	IP710-LFZ	-	
9	A	TASTING BAR	R2-b	0-10 V	10	11	110	LP1	9	LP1.4	IP710-LFZ	-	
10	A	TASTING BAR	R5-b	0-10 V	3	13	39	LP1	10	LP1.4	IP710-LFZ	-	
11	A	TASTING BAR	R2-b	0-10 V	5	11	55	LP1	11	LP1.4	IP710-LFZ	-	
12	A	TASTING BAR (BARRELS)	R5-b	0-10 V	4	13	52	LP1	12	LP1.4	IP710-LFZ	-	
13	A	HOST	R2-b	0-10 V	3	11	33	LP1	13	LP1.4	IP710-LFZ	-	
14	A	HOST	R5-b	0-10 V	1	13	13	LP1	14	LP1.4	IP710-LFZ	-	
15	A	HOST	TBL1	LED	1	7	7	LP1	15	LP1.4	IPLO6-10Z	-	
16	A	BARREL RESERVE	R2-b	0-10 V	7	11	77	LP1	16	LP1.4	IP710-LFZ	-	
17	A	BARREL RESERVE	R5-b	0-10 V	2	13	26	LP1	17	LP1.4	IP710-LFZ	-	
18	A	BARREL RESERVE	R2-b	0-10 V	2	11	22	LP1	18	LP1.4	IP710-LFZ	-	
19	A	BARREL RESERVE	R5-b	0-10 V	3	13	39	LP1	19	LP1.4	IP710-LFZ	-	
20	A	TOILET HALL	R2-b	0-10 V	5	11	55	LP1	20	LP1.4	IP710-LFZ	-	
21	A	TOILET HALL	R5-b	0-10 V	1	13	13	LP1	21	LP1.4	IP710-LFZ	-	
22	A	FAMILY TOILET	R7-b	0-10V	3	21	63	LP1	22	LP1.6	IP710-LFZ	-	
23	A	FAMILY TOILET	R6-b	0-10V	1	12	12	LP1	23	LP1.6	IP710-LFZ	-	
24	A	FAMILY TOILET	SC2	LED	2	15	30	LP1	24	LP1.6	IPLO6-10Z	-	
25	A	WOMENS TOILET	R7-b	0-10V	7	21	147	LP1	25	LP1.6	IP710-LFZ	-	WIRE VIA LOCAL OCC SENSOR FOR ON/OFF CONTROL
26	A	WOMENS TOILET	R6-b	0-10V	3	12	36	LP1	26	LP1.6	IP710-LFZ	-	
27	A	WOMENS TOILET	SC2	LED	4	15	60	LP1	27	LP1.6	IPLO6-10Z	-	
28	A	MENS TOILET	R7-b	0-10V	8	21	168	LP1	28	LP1.6	IP710-LFZ	-	
29	A	MENS TOILET	R6-b	0-10V	2	12	24	LP1	29	LP1.6	IP710-LFZ	-	
30	A	MENS TOILET	SC2	LED	3	15	45	LP1	30	LP1.6	IPLO6-10Z	-	
31	B	BAR BACK	R2-b	0-10 V	7	11	77	LP1	31	LP1.8	IP710-LFZ	-	
32	B	BAR BACK	R5-b	0-10V	6	13	78	LP1	32	LP1.8	IP710-LFZ	-	
33	B	BAR BACK	R2-b	0-10 V	4	11	44	LP1	33	LP1.8	IP710-LFZ	-	
34	B	BAR BACK	R2-b	0-10 V	6	11	66	LP1	34	LP1.8	IP710-LFZ	-	
35	B	BAR DINING	S3	ELV	7	15	105	LP1	35	LP1.8	VRE06-1LZ	-	
36	B	BAR DINING	S3	ELV	15	15	225	LP1	36	LP1.8	VRE06-1LZ	-	
37		NOT USED							37				
38	B	BAR DINING	P1	LED	5	4.5	22.5	LP1	38	LP1.8	IPLO6-10Z	-	
39		NOT USED							39				
40	E	DINING	SC1	LED	3	15	45	LP1	40	LP1.10	IPLO6-10Z	-	
41	E	DINING	P2	LED	5	12	60	LP1	41	LP1.10	IPLO6-10Z	-	
42	E	DINING	R3-b	0-10V	8	13	104	LP1	42	LP1.10	IP710-LFZ	-	
43	E	DINING	R3-b	0-10V	24	13	312	LP1	43	LP1.10	IP710-LFZ	-	
44	E	DINING	P4	LED	4	4.5	18	LP1	44	LP1.10	IPLO6-10Z	-	
45	E	DINING	P3	LED	6	4.5	27	LP1	45	LP1.10	IPLO6-10Z	-	
46	E	DINING	R2-b	0-10V	18	11	198	LP1	46	LP1.10	IP710-LFZ	-	
47	E	DINING	R5-b	0-10V	3	13	39	LP1	47	LP1.10	IP710-LFZ	-	
48	E	DINING	R2-b	0-10V	3	11	33	LP1	48	LP1.10	IP710-LFZ	-	
49	E	EXPO	R2-b	0-10V	6	11	66	LP1	49	LP1.10	IP710-LFZ	-	
50	E	EXPO	R2-b	0-10V	7	11	77	LP1	50	LP1.10	IP710-LFZ	-	
51		NOT USED							51				
52	C	PINOT NOIR ROOM	S3	ELV	6	15	90	LP1	52	LP1.6	VRE06-1LZ	-	
53	C	PINOT NOIR ROOM	R5-b	0-10V	2	13	26	LP1	53	LP1.6	IP710-LFZ	-	
54	C	PINOT NOIR ROOM	P5	LED	5	4.5	22.5	LP1	54	LP1.6	IPLO6-10Z	-	
55	D	CHARDONNAY ROOM	S3	ELV	6	15	90	LP1	55	LP1.6	VRE06-1LZ	-	
56	D	CHARDONNAY ROOM	R5-b	0-10V	2	13	26	LP1	56	LP1.6	IP710-LFZ	-	
57	D	CHARDONNAY ROOM	P5	LED	5	4.5	22.5	LP1	57	LP1.6	IPLO6-10Z	-	
58	F	DINING PATIO	X3	HALOGEN	7	60	420	LP1	58	LP1.18	LEV836700	-	
59	F	DINING PATIO	X3	HALOGEN	7	60	420	LP1	59	LP1.18	LEV836701	-	
60		NOT USED							60				
61	F	CEILING FANS	CF	N/A	4	100	400	LP1	61	LP1.18	-	-	
62	N/A	EMPLOYEE BREAK ROOM	K1	SWITCH	3	55	165	LP1	N/A	LP1.12	-	-	
63	N/A	EMPLOYEE MENS TOILET	K2	SWITCH	1	28	28	LP1	N/A	LP1.12	-	-	
64	N/A	EMPLOYEE WOMENS TOILET	K2	SWITCH	1	28	28	LP1	N/A	LP1.12	-	-	
65	N/A	PREP/COOKLINE	K1, K4	SWITCH	17	55	935	LP1	N/A	LP1.12	-	-	
66	N/A	PREP/COOKLINE	K1, K4	SWITCH	13	55	715	LP1	N/A	LP1.14	-	-	
67	N/A	DRY STORAGE	K1	SWITCH	4	55	220	LP1	N/A	LP1.14	-	-	
68		NOT USED											
69	N/A	OFFICE	K2	SWITCH	2	28	56	LP1	N/A	LP1.14	-	-	
70	N/A	WRAPPING ROOM	K1	SWITCH	4	55	220	LP1	N/A	LP1.6	-	-	
71	N/A	AV ROOM	K2	SWITCH	1	28	28	LP1	N/A	LP1.6	-	-	
72	N/A	SPRINKLER RM	K3	SWITCH	1	28	28	LP1	N/A	LP1.14	-	-	
73	N/A	STORAGE	R2-b	0-10V	1	11	11	LP1	N/A	LP1.6	-	-	
74	N/A	MECH./ELEC. RM.	K3	SWITCH	3	28	84	LP1	N/A	LP1.14	-	-	
75	N/A	MENU BOARD	SIGN	RELAY/TC	1	400	400	LP1	N/A	LP1.28	-	-	
76	N/A	EASEL BOARD	SIGN	RELAY/TC	1	400	400	LP1	N/A	LP1.28	-	-	
77A	N/A	EXTERIOR SIGNAGE	SIGN	RELAY/TC	1	1200	1200	LP1	N/A	LP1.30	-	-	
77B	N/A	EXTERIOR SIGNAGE	SIGN	RELAY/TC	1	1200	1200	LP1	N/A	LP1.32	-	-	
77C	N/A	EXTERIOR SIGNAGE	SIGN	RELAY/TC	1	1200	1200	LP1	N/A	LP1.34	-	-	
78	N/A	EXTERIOR LIGHTING	X1-b	RELAY/TC	2	15	30	LP1	N/A	LP1.52	-	-	
79	N/A	EXTERIOR LIGHTING	X5	RELAY/TC	9	37	333	LP1	N/A	LP1.52	-	-	ON/OFF BY PHOTO SENSOR
80A	N/A	SITE LIGHTING	A,B,C	RELAY/TC	12	200	2400	LP1	N/A	LP1.54/56	-	-	ON/OFF BY PHOTO SENSOR
80B	N/A	MONUMENT	SIGN	RELAY/TC	1	1200	1200	LP1	N/A	LP1.36	-	-	
81	N/A	EXTERIOR LIGHTING	XSC1	RELAY/TC	2	15	30	LP1	N/A	LP1.52	-	-	
82	A	LIGHTING ELEVATION	LS1	0-10V	9	3	27	LP1	62	LP1.16	IP710-LFZ	-	
83	A	LIGHTING ELEVATION	LS1	0-10V	7	3	21	LP1	63	LP1.16	IP710-LFZ	-	
84	A	TASTING BAR LIGHTING	LS1	0-10V	48	3	144	LP1	64	LP1.16	IP710-LFZ	-	
85	A	TASTING BAR LIGHTING	LS1	0-10V	21	3	63	LP1	65	LP1.16	IP710-LFZ	-	
86	A	HOST	LS1	0-10V	10	3	30	LP1	66	LP1.16	IP710-LFZ	-	
87	A	CHECK-OUT/CARRY OUT	LS1	0-10V	16	3	48	LP1	67	LP1.16	IP710-LFZ	-	
88	A	WINE DISPLAY	LS1	0-10V	12	3	36	LP1	68	LP1.16	IP710-LFZ	-	
89	A	WINE DISPLAY	LS1	0-10V	8	3	24	LP1	69	LP1.16	IP710-LFZ	-	
90	B	MAIN BAR LIGHTING	LS1	0-10V	31	3	93	LP1	70	LP1.16	IP710-LFZ	-	
91	B	MAIN BAR LIGHTING	LS1	0-10V	38	3	114	LP1	71	LP1.16	IP710-LFZ	-	
92	B	MAIN BAR LIGHTING	LS3	0-10V	27	5.3	143.1	LP1	72	LP1.16	IP710-LFZ	-	
93	B	MAIN BAR LIGHTING	S1	REVERSE PHASE	13	4.3	55.9	LP1	73	LP1.16	VERIFY	-	
94	B	SERVICE STATION	S1	REVERSE PHASE	4	4.3	17.2	LP1	74	LP1.16	VERIFY	-	
95	A	LIGHTING ELEVATION	LS1	0-10V	12	3	36	LP1	75	LP1.16	IP710-LFZ	-	
96	A	LIGHTING ELEVATION	S1	REVERSE PHASE	3	4.3	12.9	LP1	76	LP1.16	VERIFY	-	
97		NOT USED							77				
98		NOT USED							78				
									8/17/2021				8/17/2021

- NOTES:
1. PROVIDE DIMMER TO MATCH LOAD TYPE AND WATTAGE. VERIFY WITH FINAL LIGHT FIXTURE SHOP DRAWINGS PRIOR TO PURCHASE.
 2. PROVIDE DEDICATED NEUTRAL FOR EACH CONTROL ZONE.
 3. ALL LIGHTING NOT CONTROLLED BY LOCAL SENSOR SHALL BE ROUTED THROUGH THE RELAY PANEL FOR AUTOMATIC ON/OFF CONTROL. REFER TO DETAIL.
 4. ALL EMERGENCY LIGHTING SHALL BE CONNECTED TO THE ROOM LIGHTING CIRCUIT IN WHICH IT IS LOCATED, AHEAD OF ANY SWITCH FOR CONTINUOUS OPERATION.
 5. ALL EXIT SIGNS SHALL BE ON A DEDICATED, LOCK-ON, 247/265 CIRCUIT.
 6. REFER TO PLANS AND DETAILS FOR SWITCH BANK INFORMATION.
 7. COORDINATE INSTALLATION OF DIMMER SWITCHES WITH MANUFACTURERS REQUIREMENTS. DE-RATE GANGED SWITCHES AS REQUIRED. PROVIDE MINIMUM OF 4 1/2" VERTICAL SPACING BETWEEN DIMMER SWITCHES.

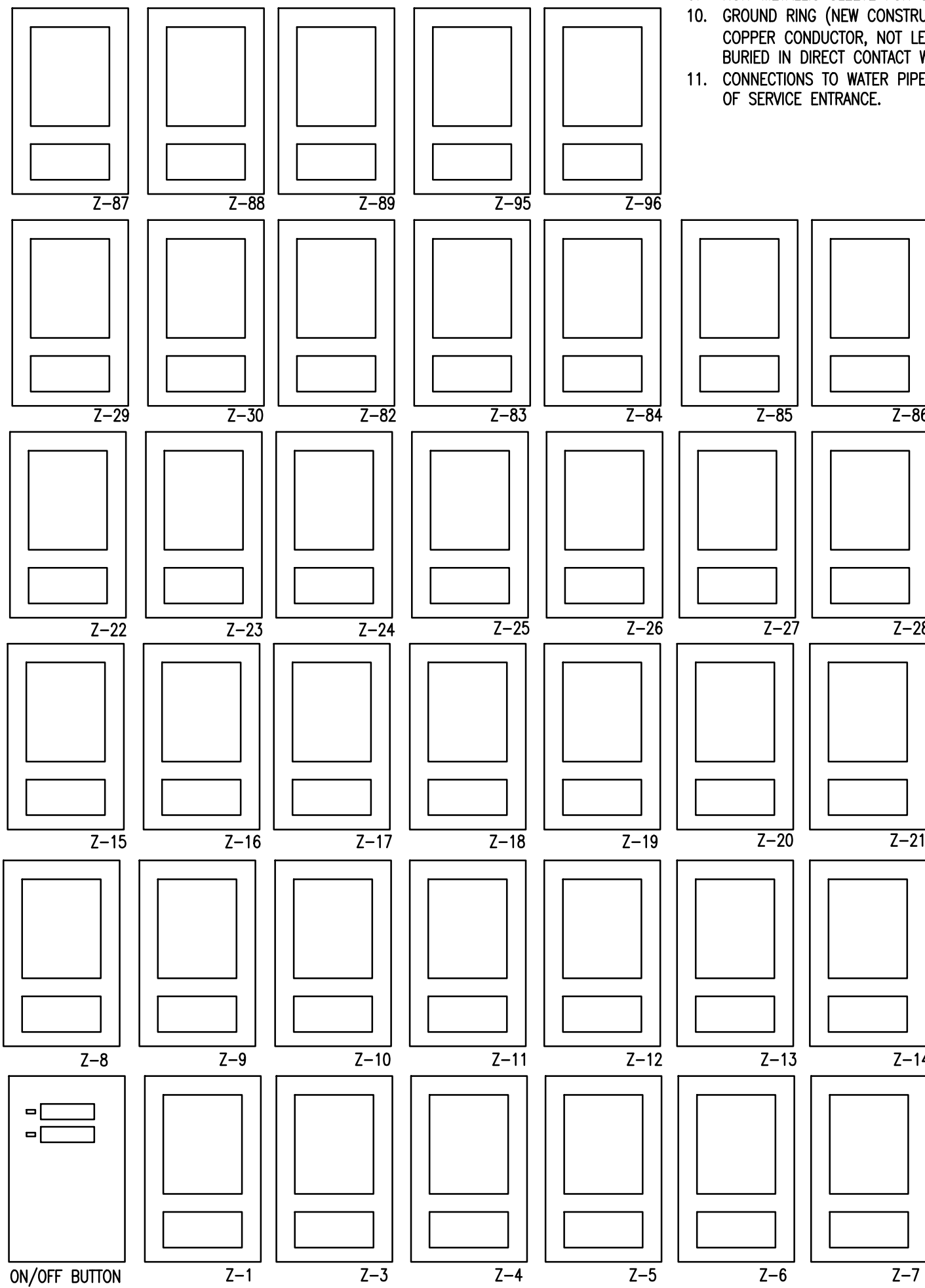
WALL DIMMER SCHEDULE LEVITON			
TYPE	WATTAGE	MODEL #	POWER EXTENDER
0-10V	1200VA	IP710-LFZ	PE300-D0V
HALOGEN	600W	LEV836700	
ELV	600W	VRE06-1LZ	PE400-10W
MLV	450W	IPM06-1LZ	PE100-10W
LED	150W	IPLO6-10Z	
CFL	150W	IPLO6-10Z	
INC.	600W	IP06-1LZ	PE400-10WPE100-10W
NOTE: PROVIDE LEVITON OR APPROVED EQUAL. PROVIDE WALL DIMMERS FOR EACH LOAD TYPE AND WATTAGE AS INDICATED. HERE, PROVIDE POWER EXTENDERS AS REQUIRED. LOCATE POWER EXTENDERS IN AN ACCESSIBLE LOCATION AS DIRECTED BY OWNER AND ARCHITECT TO PRESERVE AESTHETICS. PROVIDE POWER EXTENDERS AS REQUIRED. THE CONTRACTOR SHALL PROVIDE SINGLE GANG RINGS ON LARGER BOXES FOR PROPER COORDINATION WITH DIMMER COVERS.			



1 GROUNDING DETAIL
SCALE: NOT TO SCALE

KEYED NOTES

1. MAIN ELECTRICAL DISTRIBUTION
2. NEUTRAL LINK (AT MAIN SERVICE DISCONNECT)
3. EQUIPMENT GROUND
4. CONCRETE FOUNDATION (UFER)
5. STEEL COLUMN (STRUCTURAL)
6. WATER METER
7. 1/2" STEEL REINFORCING BAR OR 1/4" BARE COPPER CONDUCTOR, MINIMUM 20'-0" IN LENGTH AND MIN. 2" ABOVE EARTH
8. MAIN GROUND ROD, 5/8" IN DIAMETER X 10' IN LENGTH, DRIVEN INTO EARTH, COPPER CLAD OR STAINLESS STEEL
9. NON-METALLIC SLEEVE FOR CORROSION PROTECTION
10. GROUND RING (NEW CONSTRUCTION), MINIMUM 1/2" WDG BARE COPPER CONDUCTOR, NOT LESS THAN 20'-0" IN LENGTH, BURIED IN DIRECT CONTACT WITH EARTH
11. CONNECTIONS TO WATER PIPE SHALL BE MADE WITHIN 5'-0" OF SERVICE ENTRANCE



EXHAUST FAN INFORMATION - JOB#4950104

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SDNES
1	EF-SBL	1	DUI80HFA	CAPTIVEAIRE	2080	1.125	1047	ODP,PREMIUM	1.500	0.6030	3	208	4.4	480 FPM	160	11.7
2	EF-SBM	1	DUI80HFA	CAPTIVEAIRE	2080	1.125	1047	ODP,PREMIUM	1.500	0.6030	3	208	4.4	480 FPM	160	11.7
3	EF-SBR	1	DUI80HFA	CAPTIVEAIRE	2080	1.125	1047	ODP,PREMIUM	1.500	0.6030	3	208	4.4	480 FPM	160	11.7
5	EF-S9L	1	DUI80HFA	CAPTIVEAIRE	1800	1.125	1009	ODP,PREMIUM	1.500	0.5250	3	208	4.4	416 FPM	160	11.6
6	EF-S9R	1	DUI80HFA	CAPTIVEAIRE	1800	1.125	1009	ODP,PREMIUM	1.500	0.5250	3	208	4.4	416 FPM	160	11.6
8	DISH	1	DU50HFA	CAPTIVEAIRE	1125	0.500	1459	ODP	0.500	0.3510	1	115	8.4	428 FPM	81	15.5

CONDENSER DETAILS

FAN UNIT NO	TAG	FAN UNIT MODEL #	CONDENSER NO	TONNAGE	VOLTAGE	PHASE	FREQUENCY	MCA	RLA	MAX FUSE SIZE	MIN WIRE SIZE	SEER
4	MUA-58	A3-D.500-24D-MPU	1	5	208-230	3 PHASE	60 HZ	21.4 AMPS	17.4 AMPS	30 AMPS	10 AWG	14
			2	5	208-230	3 PHASE	60 HZ	21.4 AMPS	17.4 AMPS	30 AMPS	10 AWG	14
			3	5	208-230	3 PHASE	60 HZ	21.4 AMPS	17.4 AMPS	30 AMPS	10 AWG	14
7	MUA-59	A2-D.500-20D-MPU	1	2.5	208-230	3 PHASE	60 HZ	11.2 AMPS	9.07 AMPS	20 AMPS	14 AWG	14
			2	5	208-230	3 PHASE	60 HZ	21.4 AMPS	17.4 AMPS	30 AMPS	10 AWG	14

MUA FAN INFORMATION - JOB#4950104

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	MCA	MDCP	WEIGHT (LBS)	SDNES
4	MUA-58	1	A3-D.500-24D-MPU	24MF-3-MDD	A3-D.500	3500	5400	0.500	1659	ODP,PREMIUM	10.000	7.9450	3	208	27.0	33.8A	60A	2382	18.1
7	MUA-59	1	A2-D.500-20D-MPU	20MF-2-MDD	A2-D.500	2000	2850	0.500	1457	ODP,PREMIUM	2.000	1.6030	3	208	6.1	7.7A	15A	1505	13.9

GAS FIRED MAKE-UP AIR UNIT(S)

FAN UNIT NO	TAG	INPUT BTUs	OUTPUT BTUs	TEMP RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE	BURNER EFFICIENCY(%)
4	MUA-58	393295	361831	65°F	7 IN. W.C. - 14 IN. W.C.	NATURAL	92
7	MUA-59	207572	190966	65°F	7 IN. W.C. - 14 IN. W.C.	NATURAL	92

COILS - JOB#4950104

FAN UNIT NO	TAG	COIL TYPE	DESIGN CFM	COOLING										HEATING							
				ENTERING DB TEMP	ENTERING WB TEMP	LEAVING DB TEMP	LEAVING WB TEMP	ENTERING FLUID TEMP	LEAVING FLUID TEMP	FLUID FLOW RATE	PERCENT GLYCOL	TOTAL CAPACITY	SENSIBLE CAPACITY	ENTERING DB TEMP	LEAVING DB TEMP	ENTERING FLUID TEMP	LEAVING FLUID TEMP	FLUID FLOW RATE	PERCENT GLYCOL	STEAM PRESSURE	TOTAL CAPACITY
4	MUA-58	DX	5400	93.0°F	76.0°F	76.6°F	66.9°F	---	---	---	---	180.0 MBH	90.1 MBH	---	---	---	---	---	---	---	---
7	MUA-59	DX	2850	93.0°F	76.0°F	77.6°F	67.4°F	---	---	---	---	90.0 MBH	44.7 MBH	---	---	---	---	---	---	---	---

FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION
1	EF-SBL	1	GREASE BOX.
		1	UPBLAST FAN WHEEL ACCESS PORT.
		1	EXHAUST FAN HEAT BAFFLE.
2	EF-SBM	1	2 YEAR PARTS WARRANTY.
		1	GREASE BOX.
		1	UPBLAST FAN WHEEL ACCESS PORT.
3	EF-SBR	1	EXHAUST FAN HEAT BAFFLE.
		1	2 YEAR PARTS WARRANTY.
		1	GREASE BOX.
4	MUA-58	1	UPBLAST FAN WHEEL ACCESS PORT.
		1	EXHAUST FAN HEAT BAFFLE.
		1	2 YEAR PARTS WARRANTY.
		1	INLET PRESSURE GAUGE, 0-35".
		1	MANIFOLD PRESSURE GAUGE, -5 TO 15" W.C.
		1	CASLINK BUILDING MONITORING SYSTEM - INTERNET OR CELLULAR CONNECTION REQUIRED.
		1	MOTORIZED BACKDRAFT DAMPER FOR A3-D HOUSING. MEETS AMCA CLASS 1A RATING.
		1	TOTAL CFM MONITORING FOR MUA UNITS.
		1	15 TON 3 CIRCUIT (5/5/5) MODULAR PACKAGED AC COOLING OPTION FOR SIZE 3 DF/EH MUA (2250 TO 4800 CFM), 208V/230V, 3 PHASE. COOLING THERMOSTAT OR PROGRAMMABLE STAT REQUIRED FOR PROPER OPERATION.
		1	DOWNTURN PLENUM FOR SIZE 3 DX COIL MODULE.
		1	MPU3-15-AC MOISTURE ELIMINATOR OPTION - ALLOWS COOLING COIL FACE VELOCITY TO INCREASE TO 650 FPM. INCREASES COOLING COIL MAX CFM TO 5650 CFM.
		1	CONDENSER SUPPORT FOR SIZE 3, 15 TON MOD PACKAGE UNIT.
5	EF-S9L	1	SEPARATE 120V WIRING PACKAGE (REQUIRED AND USED ONLY FOR DCV OR PREVIRE WITH VFD) - THREE PHASE ONLY.
		1	2 YEAR PARTS WARRANTY.
		1	GREASE BOX.
6	EF-S9R	1	UPBLAST FAN WHEEL ACCESS PORT.
		1	EXHAUST FAN HEAT BAFFLE.
		1	2 YEAR PARTS WARRANTY.
7	MUA-59	1	GREASE BOX.
		1	UPBLAST FAN WHEEL ACCESS PORT.
		1	EXHAUST FAN HEAT BAFFLE.
		1	2 YEAR PARTS WARRANTY.
		1	INLET PRESSURE GAUGE, 0-35".
		1	MANIFOLD PRESSURE GAUGE, -5 TO 15" W.C.
		1	CASLINK BUILDING MONITORING SYSTEM - INTERNET OR CELLULAR CONNECTION REQUIRED.
		1	MOTORIZED BACKDRAFT DAMPER FOR A2-D HOUSING. MEETS AMCA CLASS 1A RATING.
		1	TOTAL CFM MONITORING FOR MUA UNITS.
		1	7.5 TON 2 CIRCUIT (2.5/5/5) MODULAR PACKAGED AC COOLING OPTION FOR SIZE 2 DF/EH MUA (1125 TO 3000 CFM), 208V/230V, 3 PHASE. COOLING THERMOSTAT OR PROGRAMMABLE STAT REQUIRED FOR PROPER OPERATION.
		1	DOWNTURN PLENUM FOR SIZE 2 DX COIL MODULE.
		1	SEPARATE 120V WIRING PACKAGE (REQUIRED AND USED ONLY FOR DCV OR PREVIRE WITH VFD) - THREE PHASE ONLY.
8	DISH	1	SIZE 2 DIRECT FIRED HEATER LOW CFM PROFILE PACKAGE. USED ON HEATERS UNDER 2500 CFM.
		1	2 YEAR PARTS WARRANTY.
		1	SCR-13 BIRD SCREEN.
		1	1 15-BDD DAMPER.
		1	2 YEAR PARTS WARRANTY.

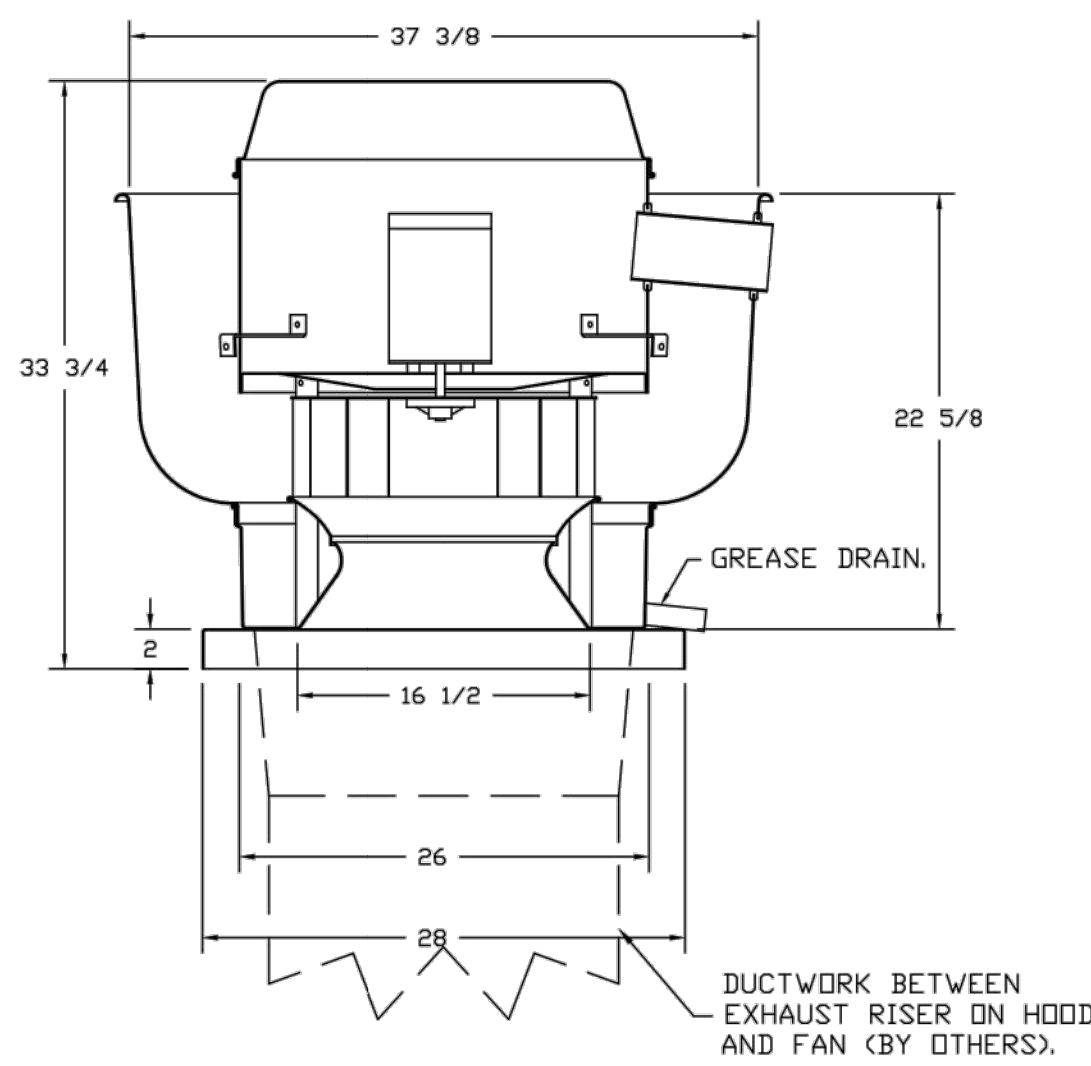
FAN ACCESSORIES

FAN UNIT NO	TAG	EXHAUST			SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1	EF-SBL	YES						
2	EF-SBM	YES						
3	EF-SBR	YES						
4	MUA-58						YES	
5	EF-S9L	YES						
6	EF-S9R	YES						
7	MUA-59						YES	
8	DISH		YES					

CURB ASSEMBLIES

NO	DN FAN	TAG	WEIGHT	ITEM	SIZE			
1	# 1	EF-SBL	38 LBS	CURB	26.500"W X 26.500"L X 24.000"H HINGED.	0.25012.000 PITCH	ALONG LENGTH, RIGHT	VENTED
2	# 2	EF-SBM	38 LBS	CURB	26.500"W X 26.500"L X 24.000"H HINGED.	0.25012.000 PITCH	ALONG LENGTH, RIGHT	VENTED
3	# 3	EF-SBR	38 LBS	CURB	26.500"W X 26.500"L X 24.000"H HINGED.	0.25012.000 PITCH	ALONG LENGTH, RIGHT	VENTED
4	# 4		144 LBS	RAIL	6.000"W X 35.000"L X 20.000"H	0.25012.000 PITCH	ALONG LENGTH, RIGHT.	
4	# 4	MUA-58	144 LBS	CURB	35.000"W X 84.000"L X 20.000"H	0.25012.000 PITCH	ALONG WIDTH, RIGHT	INSULATED.
	# 4			RAIL	6.000"W X 35.000"L X 20.000"H	0.25012.000 PITCH	ALONG LENGTH, RIGHT.	
5	# 5	EF-S9L	38 LBS	CURB	26.500"W X 26.500"L X 24.000"H HINGED.	0.25012.000 PITCH	ALONG LENGTH, RIGHT	VENTED
6	# 6	EF-S9R	34 LBS	CURB	26.500"W X 26.500"L X 24.000"H	0.25012.000 PITCH	ALONG LENGTH, RIGHT	VENTED.
7	# 7		107 LBS	RAIL	6.000"W X 31.000"L X 20.000"H	0.25012.000 PITCH	ALONG LENGTH, RIGHT.	
7	# 7	MUA-59	107 LBS	CURB	31.000"W X 79.000"L X 20.000"H	0.25012.000 PITCH	ALONG WIDTH, RIGHT	INSULATED.
8	# 8	DISH	34 LBS	CURB	19.500"W X 19.500"L X 24.000"H HINGED.	0.25012.000 PITCH	ALONG LENGTH, RIGHT	VENTED

FANS #1 (EF-SBL), #2 (EF-SBM), #3 (EF-SBR), #5 (EF-S9L) - DU180HFA EXHAUST FAN



FEATURES:

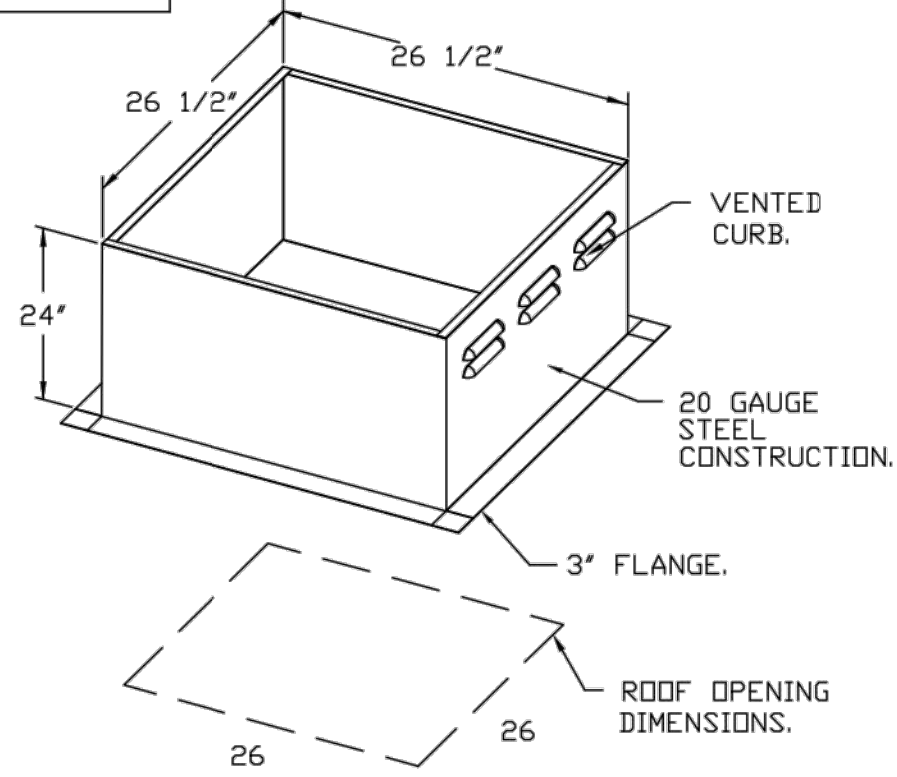
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND UL-C-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

NORMAL TEMPERATURE TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS

- GREASE BOX.
- UPBLAST FAN WHEEL ACCESS PORT.
- EXHAUST FAN HEAT BAFFLE.
- 2 YEAR PARTS WARRANTY.



PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.

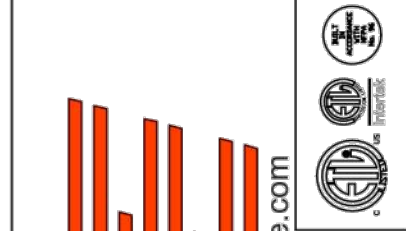
SPECIFY PITCH
EXAMPLE: 7/12 PITCH = 30° SLOPE.

VERIFY ELECTRIC REQUIREMENTS
___ PHASE ___ VOLT
Verify Electric Requirements to Ensure That Fan Motors and Electric Packages are Coordinated

VERIFY PITCH CURB
Curb Pitch Required in order to manufacture the curb to specification.

REVISIONS

REVISION	DATE



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CAPTIVEAIRE

Cooper's Hawk - Lees Summit, MO
LEES SUMMIT, MO, 64063

DATE: 6/22/2021

DWG.#:
4950104

DRAWN BY: MAP-52

SCALE:
3/4" = 1'-0"

MASTER DRAWING

SHEET NO.
6

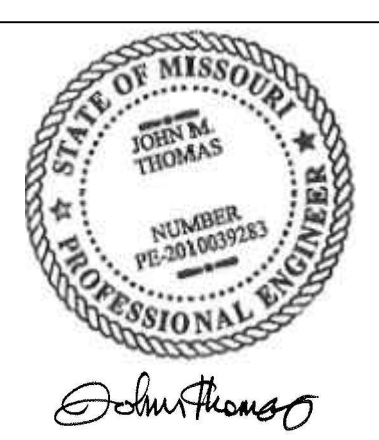


COOPER'S HAWK
WINERY & RESTAURANT
540 NW CHIPMAN
ROAD, LEES SUMMIT,
MO 64086

FIELD VERIFICATION
Contractor shall verify all figured dimensions and conditions at the job site and notify Ana Group Architects, Inc. of any dimensional errors, omissions or discrepancies before beginning or fabricating any work. Do not scale these drawings.

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NO.	DATE	REMARKS



Drawing Title

HOOD DETAILS

Job No.
204530

Drawn
-

Scale
SEE PLANS

Date
08/06/2021

Sheet No.

E106

COORDINATED SHOP DRAWINGS SHALL BE PROVIDED BY EACH SUBCONTRACTOR AND SHALL CONTAIN A LAYOUT OF ALL DUCTWORK, CONDUIT, PIPING, EQUIPMENT, STRUCTURE, WALLS, CEILING, ETC. AS REQUIRED TO REFLECT FULL COORDINATION ACROSS ALL TRADES AND SHALL BE SUBMITTED FOR REVIEW. COORDINATED DRAWINGS SHALL BE SIGNED OFF BY ALL OTHER TRADES PRIOR TO BEING SUBMITTED FOR REVIEW. PLANS SHALL BE PREPARED AT A MINIMUM OF 1/8" SCALE OR THE SCALE OF THE DESIGN DRAWINGS, WHICHEVER IS LARGER. NO EQUIPMENT SHALL BE INSTALLED WITHOUT APPROVED SHOP DRAWINGS.

HOOD DETAILS

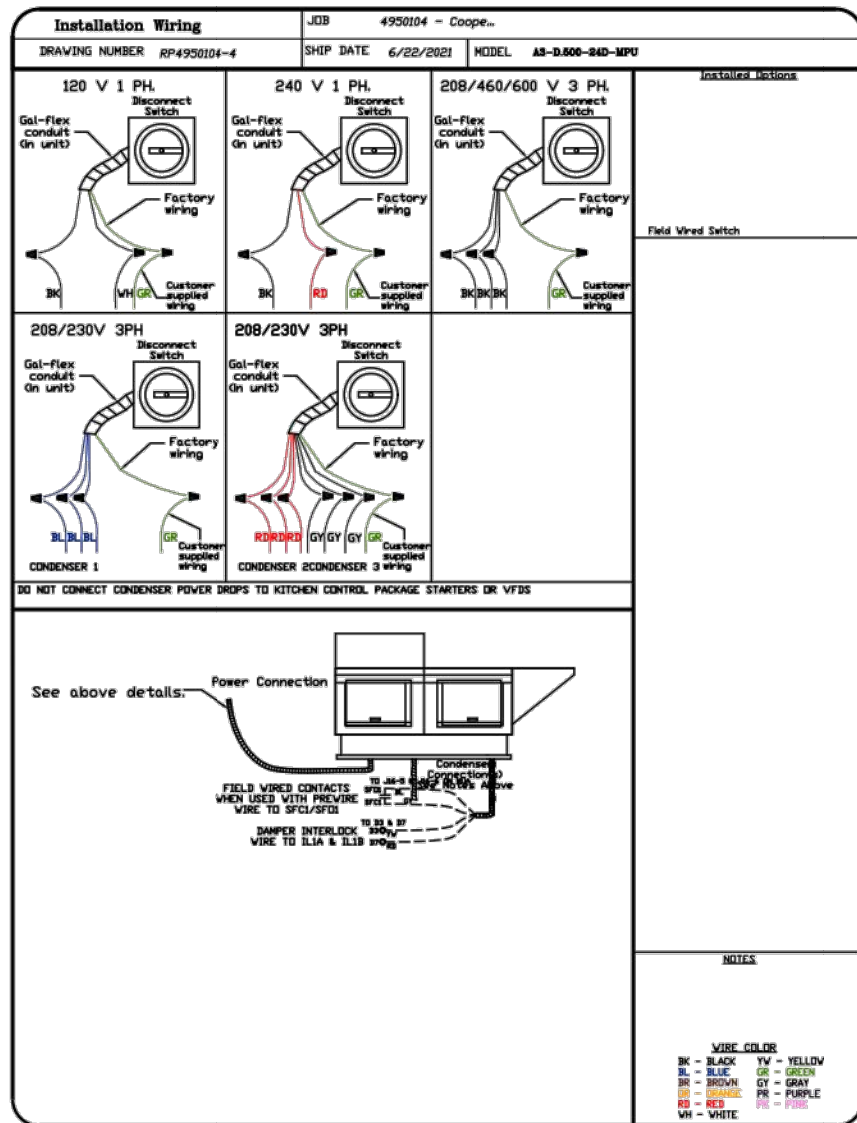
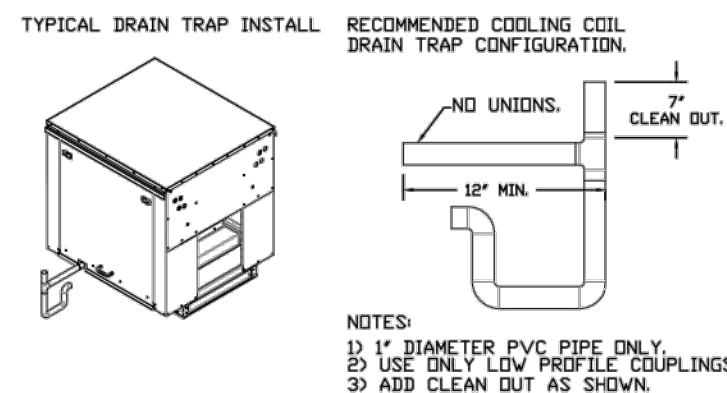
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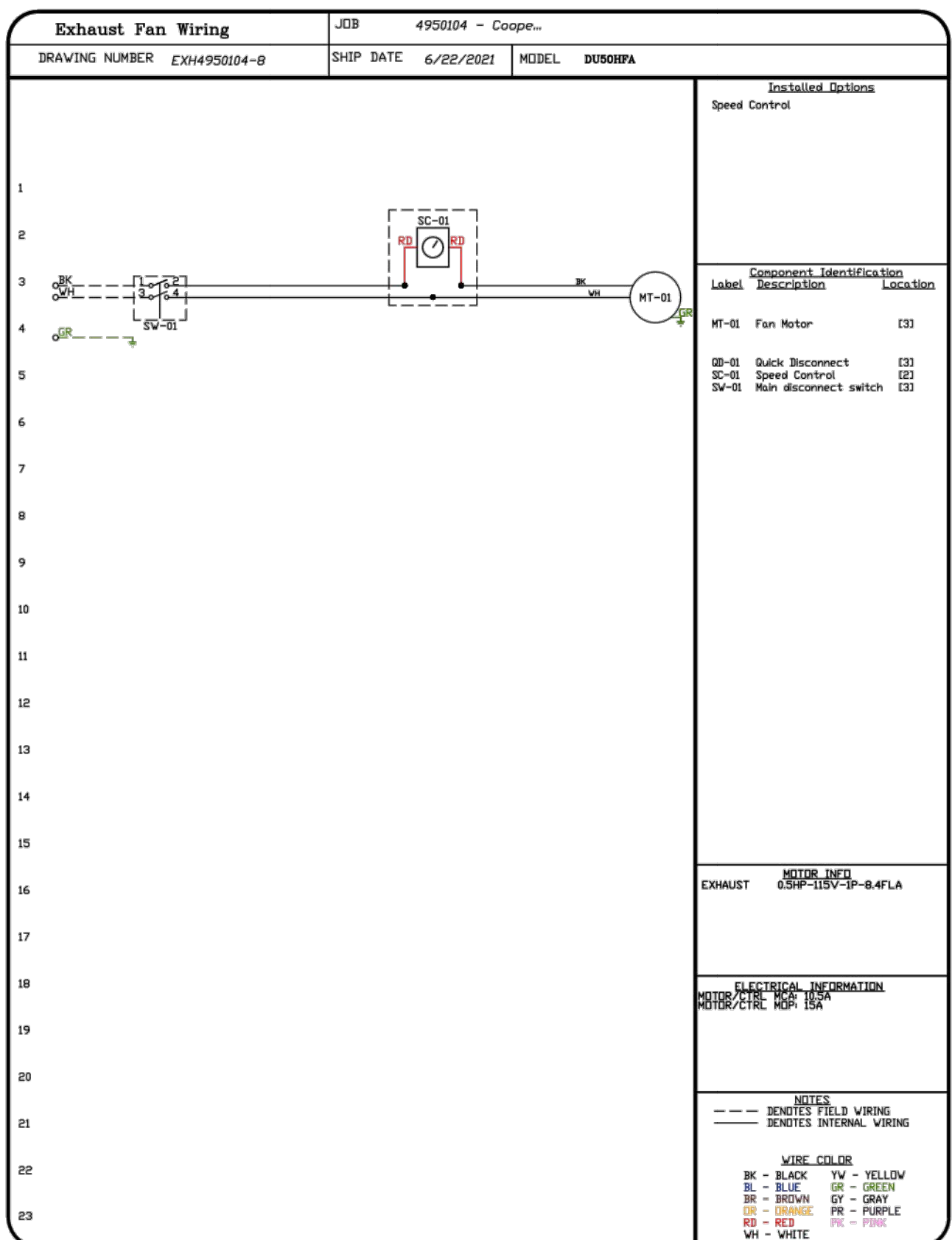
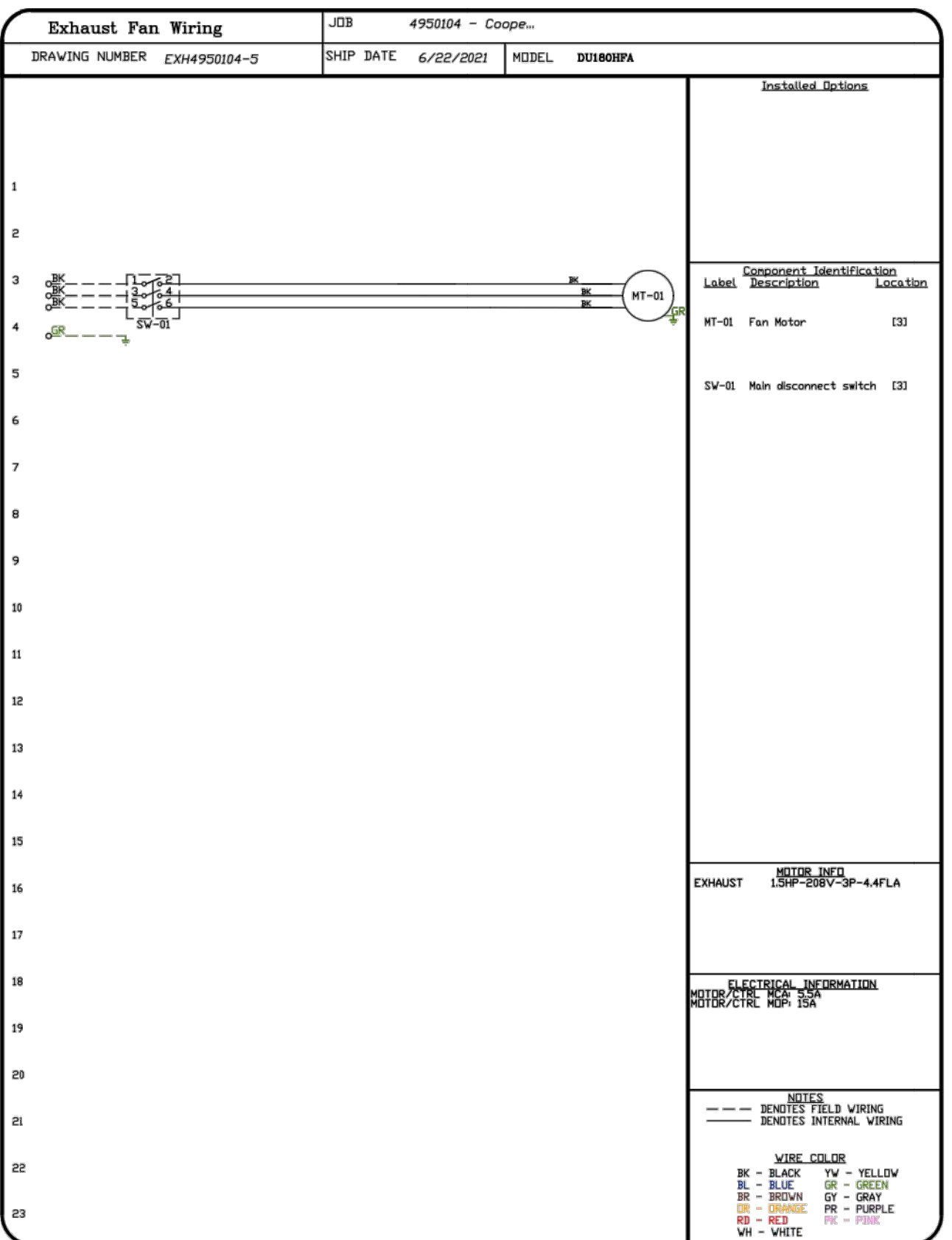
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Cooper's Hawk - Lees Summit, MO
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COORDINATED SHOP DRAWINGS SHALL BE PROVIDED BY EACH SUBCONTRACTOR AND SHALL CONTAIN A LAYOUT OF ALL DUCTWORK, CONDUIT, PIPING, EQUIPMENT, STRUCTURE, WALLS, CEILING, ETC. AS REQUIRED TO REFLECT FULL COORDINATION ACROSS ALL TRADES AND SHALL BE SUBMITTED FOR REVIEW. COORDINATED DRAWINGS SHALL BE SIGNED OFF BY ALL OTHER TRADES PRIOR TO BEING SUBMITTED FOR REVIEW. PLANS SHALL BE PREPARED AT A MINIMUM OF 1/8" SCALE OR THE SCALE OF THE DESIGN DRAWINGS, WHICHEVER IS LARGER. NO EQUIPMENT SHALL BE INSTALLED WITHOUT APPROVED SHOP DRAWINGS.

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ALL POWER FEED FROM VARIABLE FREQUENCY DRIVES IN HOOD CONTROL
PANEL TO FAN MOTORS MUST BE IN SEPARATE STEEL CONDUIT - OR
MOTOR/VFD FAILURE MAY OCCUR

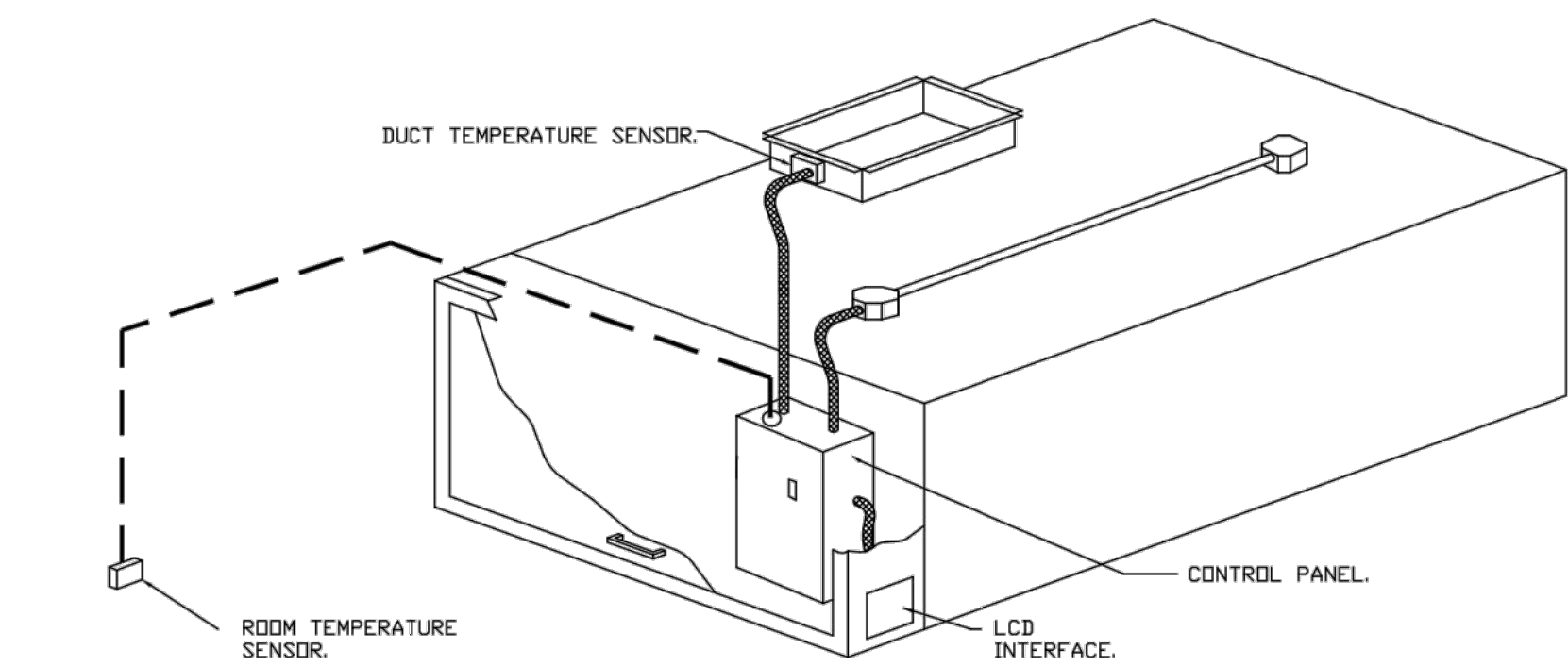
JOB NO	MODEL NUMBER	POWER BY	DATE	REVISION	DESCRIPTION OF OPERATION
49501104	DCV-3111	120V AC	6/22/2001	EC-2	INSTALL Install a home air duct, thermostat, INVERTER UNIT 1, FAN, MOTOR, REMOTE THERM WIRE with 1/2" home temperature sensor, replace the fan, fan motor, and remote thermostat, install a new air duct, and install a new air duct.
JOB NAME Cooper's Hawk - Lees Summit, --					
1					
2	CONTROL PANEL [EXT O]	-----	NOT SET SHUNT COIL	-----	SHUNT COIL
3	SIGNAL FOR [EXT O]	-----	INVERTER_FAN_SHUNT_COIL	-----	INVERTER_FAN_SHUNT_COIL
4	EXTERNAL	-----	ST TERMINAL IS ENERGIZED	-----	IN FINE CONNECTOR
5	SHUNT TRIP	-----	IN FINE CONNECTOR	-----	IN FINE CONNECTOR
6	CONTROL PANEL [EXT O]	-----	NOT SET TO CONTACTOR COIL	-----	CONTACTOR COIL
7	SIGNAL FOR [EXT O]	-----	NOT SET TO CONTACTOR COIL	-----	CONTACTOR COIL
8	EXTERNAL	-----	KS TERMINAL IS DE-ENERGIZED	-----	IN FINE CONNECTOR
9	CONTACTOR COIL	-----	IN FINE CONNECTOR	-----	IN FINE CONNECTOR
10	CONTROL PANEL [EXT O]	-----	COMMON	-----	COMMON
11	SPRING FINE [EXT O]	-----	COMMON	-----	COMMON
12	SYSTEM DRY	-----	COMMON	-----	COMMON
13	CONTACT	-----	COMMON	-----	COMMON
14	CONTROL PANEL [EXT O]	-----	COMMON	-----	COMMON
15	DRY CONTACT [EXT O]	-----	COMMON	-----	COMMON
16	SHUNT TRIP [EXT O]	-----	COMMON	-----	COMMON
17	SUPPLY FAN [EXT O]	-----	COMMON	-----	COMMON
18	GROUP 1 [EXT O]	-----	COMMON	-----	COMMON
19	CONTROL PANEL [EXT O]	-----	COMMON	-----	COMMON
20	DRY CONTACT [EXT O]	-----	COMMON	-----	COMMON
21	SHUNT TRIP [EXT O]	-----	COMMON	-----	COMMON
22	SUPPLY FAN [EXT O]	-----	COMMON	-----	COMMON
23	GROUP 1 [EXT O]	-----	COMMON	-----	COMMON
24	CONTROL PANEL [EXT O]	-----	COMMON	-----	COMMON
25	DRY CONTACT [EXT O]	-----	COMMON	-----	COMMON
26	SHUNT TRIP [EXT O]	-----	COMMON	-----	COMMON
27	SUPPLY FAN [EXT O]	-----	COMMON	-----	COMMON
28	GROUP 1 [EXT O]	-----	COMMON	-----	COMMON
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30	DRY CONTACT [EXT O]	-----	COMMON	-----	COMMON
31	SHUNT TRIP [EXT O]	-----	COMMON	-----	COMMON
32	SUPPLY FAN [EXT O]	-----	COMMON	-----	COMMON
33	GROUP 1 [EXT O]	-----	COMMON	-----	COMMON
34	CONTROL PANEL [EXT O]	-----	COMMON	-----	COMMON
35	DRY CONTACT [EXT O]	-----	COMMON	-----	COMMON
36	SHUNT TRIP [EXT O]	-----	COMMON	-----	COMMON
37	SUPPLY FAN [EXT O]	-----	COMMON	-----	COMMON
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39	CONTROL PANEL [EXT O]	-----	COMMON	-----	COMMON
40	DRY CONTACT [EXT O]	-----	COMMON	-----	COMMON
41	SHUNT TRIP [EXT O]	-----	COMMON	-----	COMMON
42	SUPPLY FAN [EXT O]	-----	COMMON	-----	COMMON
43	GROUP 1 [EXT O]	-----	COMMON	-----	COMMON
44	CONTROL PANEL [EXT O]	-----	COMMON	-----	COMMON
45	DRY CONTACT [EXT O]	-----	COMMON	-----	COMMON
46	SHUNT TRIP [EXT O]	-----	COMMON	-----	COMMON
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51	SHUNT TRIP [EXT O]	-----	COMMON	-----	COMMON
52	SUPPLY FAN [EXT O]	-----	COMMON	-----	COMMON
53	GROUP 1 [EXT O]	-----	COMMON	-----	COMMON
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56	SHUNT TRIP [EXT O]	-----	COMMON	-----	COMMON
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68	GROUP 1 [EXT O]	-----	COMMON	-----	COMMON
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70	DRY CONTACT [EXT O]	-----	COMMON	-----	COMMON
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76	SHUNT TRIP [EXT O]	-----	COMMON	-----	COMMON
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79	CONTROL PANEL [EXT O]	-----	COMMON	-----	COMMON
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82	SUPPLY FAN [EXT O]	-----	COMMON	-----	COMMON
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259	CONTROL PANEL [EXT O]	-----	COMMON	-----	COMMON
260	DRY CONTACT [EXT O]	-----	COMMON		

[illegible]

MITTED FOR REVIEW. COORDINATED DRAWING
ALL BE SIGNED OFF BY ALL OTHER TRADE

COORDINATED SHOP DRAWINGS SHALL BE PROVIDED BY EACH SUBCONTRACTOR AND SHALL CONTAIN A LAYOUT OF ALL DUCTWORK, CONDUIT, PIPING, EQUIPMENT, STRUCTURE, WALLS, CEILING, ETC. AS REQUIRED TO REFLECT FULL COORDINATION ACROSS ALL TRADES AND SHALL BE SUBMITTED FOR REVIEW. COORDINATED DRAWINGS SHALL BE SIGNED OFF BY ALL OTHER TRADES PRIOR TO BEING SUBMITTED FOR REVIEW. DRAWINGS SHALL BE PREPARED AT A MINIMUM OF 1/8" SCALE OR THE SCALE OF THE DESIGN DRAWINGS, WHICHEVER IS LARGER.

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SEQUENCE OF OPERATIONS:

REVISIONS	
DESCRIPTION	DATE:
△	
△	
△	
△	



Cooper's Hawk - Lees Summit, MO
LEES SUMMIT, MO, 64063

Cooper's Hawk - Lees Summit, MO

DATE: 6/22/2021

DWG.#
4950104

DRAWN BY: MAP-52

SCALE:
5/4" = 1'-0"

MASTER DRAWING

SHEET NO.
12

12

COORDINATED SHOP DRAWINGS SHALL
BE PROVIDED BY EACH SUBCONTRACTOR

Job No.

Drawn

Scale
SEE PLANS

Date
08/06/2021

Sheet No. _____

E111

COORDINATED SHOP DRAWINGS SHALL BE PROVIDED BY EACH SUBCONTRACTOR AND SHALL CONTAIN A LAYOUT OF ALL DUCTWORK, CONDUIT, PIPING, EQUIPMENT, STRUCTURE, WALLS, CEILING, ETC. AS REQUIRED TO REFLECT FULL COORDINATION ACROSS ALL TRADES AND SHALL BE SUBMITTED FOR REVIEW. COORDINATED DRAWINGS SHALL BE SIGNED OFF BY ALL OTHER TRADES PRIOR TO BEING SUBMITTED FOR REVIEW. PLANS SHALL BE PREPARED AT A MINIMUM OF 1/8" SCALE OR THE SCALE OF THE DESIGN DRAWINGS, WHICHEVER IS LARGER. NO EQUIPMENT SHALL BE INSTALLED WITHOUT APPROVED SHOP DRAWINGS.



ELECTRICAL KEYNOTES	
KEY VALUE	KEYNOTE TEXT

LIGHTING GENERAL NOTES

- ALL 20A BRANCH CIRCUITS SHALL USE #12AWG CONDUCTORS IN 3/4" MINIMUM. CONTRACTOR SHALL PROVIDE HOMERUNS TO ELECTRICAL PANELS AS REQUIRED. EACH CIRCUIT SHALL CONTAIN A DEDICATED NEUTRAL CONDUCTOR FOR A MAX. OF (1) NETWORK PER HOMERUN. ALL FEEDERS OR BRANCH CIRCUITS GREATER THAN 75' IN LENGTH SHALL BE INCREASED IN SIZE AS REQUIRED TO COMPENSATE FOR VOLTAGE DROP.
- LOCATE EXIT SIGNS AND DOWNLIGHTS IN THE CENTER OF CEILING TILES WHERE POSSIBLE. CIRCUIT ALL EXIT SIGNS TO PANEL LP1-35.
- REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS OF DEVICES.
- REFER TO AUTOMATIC LIGHTING CONTROL SCHEDULE FOR INFORMATION ON OCCUPANCY/VACANCY SENSORS AND DAYLIGHT SENSORS.
- BATTERY EMERGENCY LIGHTING SHALL BE CONNECTED TO THE ROOM LIGHTING CIRCUIT. AHEAD OF ANY SWITCH OR CONTROL. FOR CONTINUOUS OPERATION. EXIT SIGNS SHALL BE CONNECTED TO A DEDICATED LOCK ON CIRCUIT AND SHALL BE PROVIDED WITH A DEDICATED FEEDER AND HOMERUN.
- ALL EGRESS LIGHTS SHALL BE PROVIDED WITH DUAL LAMPS.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT FIXTURE LOCATIONS FOR GENERAL LIGHTING. EXIT SIGN AND EMERGENCY LIGHTING SHALL BE BASED ON THE ENGINEERING PLANS. SUBMIT EXITING AND EMERGENCY LIGHTING LAYOUT TO CITY OFFICIALS PER SPECIFICATIONS AND ADJUST LOCATIONS AS REQUIRED. PROVIDE PER UNIT COST IN BID FOR FUTURE EACH ADDED EXIT SIGN AND/OR BATTERY EM LIGHT.
- COORDINATE THE EXACT MOUNTING OF ALL EXIT SIGNS WITH ARCHITECT PRIOR TO ORDERING. COORDINATE LOCATIONS WITH DOOR SWINGS, SLOTTES, OBSTRUCTIONS, ETC TO AVOID CONFLICTS. PROVIDE PENDANTS AS REQUIRED. PROVIDE DUAL FACES AND DIRECTIONAL ARROWS AS REQUIRED.
- WHERE MULTIPLE SWITCHES ARE MOUNTED AT THE SAME LOCATION. ELECTRICAL CONTRACTOR SHALL PROVIDE A SINGLE COMMON FACEPLATE WHENEVER POSSIBLE. UTILIZE TAP SWITCHES TO MATCH DIMMERS WHERE APPLICABLE. REFER TO POWER PLANS FOR ANY MOTORIZED SCREEN OR EXHAUST FAN CONTROLS.
- COORDINATE INSTALLATION OF DIMMER SWITCHES WITH MANUFACTURERS REQUIREMENTS. DE-RATE GANGED SWITCHES AS REQUIRED. PROVIDE MINIMUM OF 4 1/2" VERTICAL SPACING BETWEEN DIMMER SWITCHES.
- TYPICAL-ALL NEW UNDER CABINET LIGHTING FIXTURES; COORDINATE EXACT LENGTHS AND INFED POINTS WITH MILLWORK CONTRACTOR.
- E.C. SHALL COORDINATE EXIT SIGN AND BATTERY LIGHT INSTALLATION WITH ARCHITECTURAL FINISH PLAN. IN GENERAL BLACK FIXTURES SHALL BE PLACED IN LOCATIONS WITH DARK FINISHES.
- E.C. SHALL CONFIRM WITH LOCATION AHJ AND SPECIAL REQUIREMENTS FOR EXIT SIGNS PRIOR TO PURCHASE SUCH AS REQUIREMENTS FOR GREEN LETTERING, ETC.
- SITE MONUMENT SIGN SHALL BE CONNECTED TO LP1-36. ROUTE CIRCUIT THROUGH RELAY PANEL FOR ON/OFF CONTROL. PROVIDE 1P-20A, NEMA 3R DISCONNECT SWITCH AT SIGN. COORDINATE FINAL LOCATION OF SIGN WITH LANDLORD. REFER TO ARCHITECTURAL SITE LIGHTING PLAN FOR CURRENT LOCATION.
- ALL SITE LIGHTING FIXTURES SHALL BE CONNECTED TO LP1-54/56. ROUTE CIRCUIT THROUGH RELAY PANEL FOR ON/OFF CONTROL. ADJUST AS REQUIRED. ALL SITE LIGHTING FIXTURES SHALL BE EQUIPPED WITH ON BOARD PHOTOCELL. REFER TO ARCHITECTURAL SITE LIGHTING PLAN FOR MORE INFORMATION.

LIGHTING WITHIN FURNITURE-MILL WORK

- FURNITURE WITHIN MILLWORK, FURNITURE, UNDER CABINETS, COUNTERS, SHELVING, ETC. SHALL BE COORDINATED IN FIELD WITH ARCHITECT AND OWNER.
- PROVIDE DRIVERS/TRANSFORMERS IN A CONCEALED, ACCESSIBLE LOCATION AS REQUIRED. COORDINATE EXACT LOCATION WITH ARCHITECT.
- ROUTING OF ALL FIXTURE WIRING SHALL BE CONCEALED AND RUN IN A NEAT AND WORKMANLIKE MANNER.

PROJECT SPECIFIC NOTES

- E.C. SHALL COORDINATE EXIT SIGN AND BATTERY LIGHT INSTALLATION WITH ARCHITECTURAL FINISH PLAN. IN GENERAL BLACK FIXTURES SHALL BE PLACED IN LOCATIONS WITH DARK FINISHES.
- E.C. SHALL CONFIRM WITH LOCATION AHJ AND SPECIAL REQUIREMENTS FOR EXIT SIGNS PRIOR TO PURCHASE SUCH AS REQUIREMENTS FOR GREEN LETTERING, ETC.
- REFER TO CONTROL DETAILS FOR MORE INFORMATION.

ELECTRICAL LIGHTING PLAN - MEZZANINE

3/16" = 1'-0"

COORDINATED SHOP DRAWINGS SHALL BE PROVIDED BY EACH SUBCONTRACTOR AND SHALL CONTAIN A LAYOUT OF ALL DUCTWORK, CONDUIT, PIPING, EQUIPMENT, STRUCTURE, WALLS, CEILING, ETC. AS REQUIRED TO REFLECT FULL COORDINATION ACROSS ALL TRADES AND SHALL BE SUBMITTED FOR REVIEW. COORDINATED DRAWINGS SHALL BE SIGNED OFF BY ALL OTHER TRADES PRIOR TO BEING SUBMITTED FOR REVIEW. PLANS SHALL BE PREPARED AT A MINIMUM OF 1/8" SCALE OR THE SCALE OF THE DESIGN DRAWINGS, WHICHEVER IS LARGER. NO EQUIPMENT SHALL BE INSTALLED WITHOUT APPROVED SHOP DRAWINGS.

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STATE OF MISSOURI

JOHN THOMAS

REGISTERED PROFESSIONAL ENGINEER

PE-201009283

John Thomas

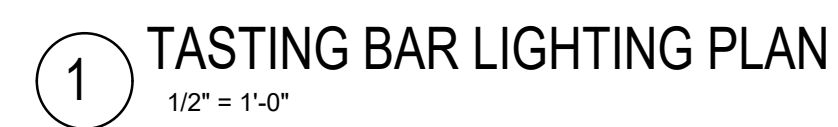
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ELECTRICAL - LIGHTING PLAN

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Scale	Date
As indicated	08/06/2021

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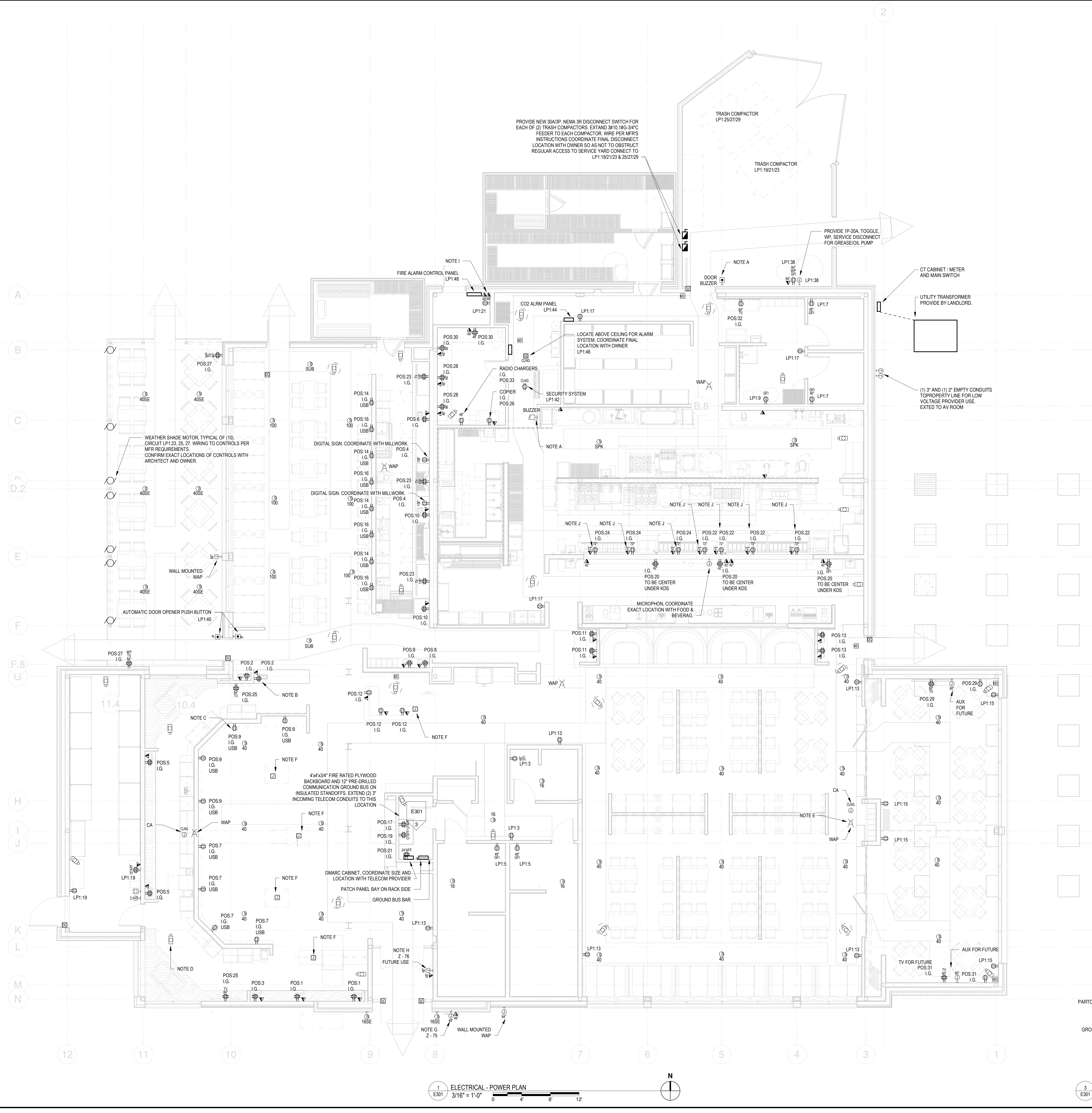
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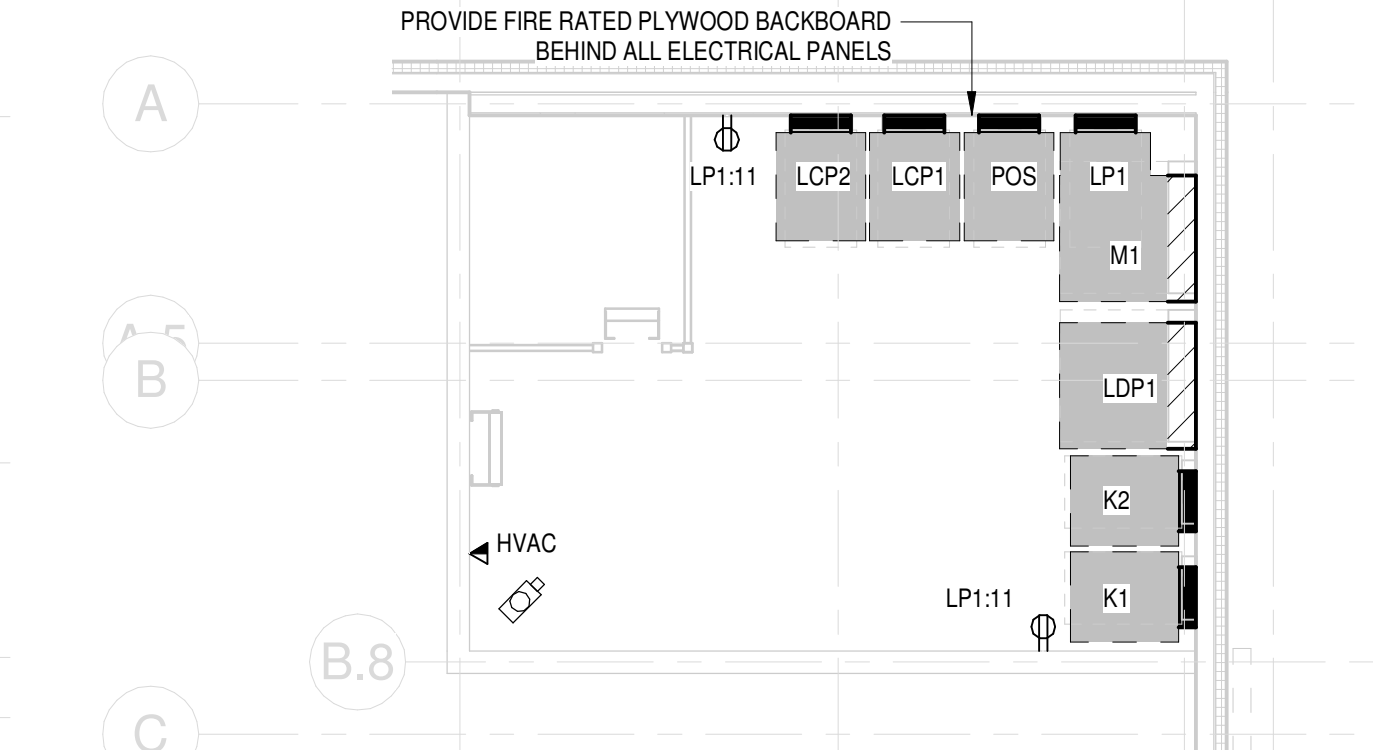
NO EQUIPMENT SHALL BE INSTALLED WITHOUT APPROVED SHOP DRAWINGS.

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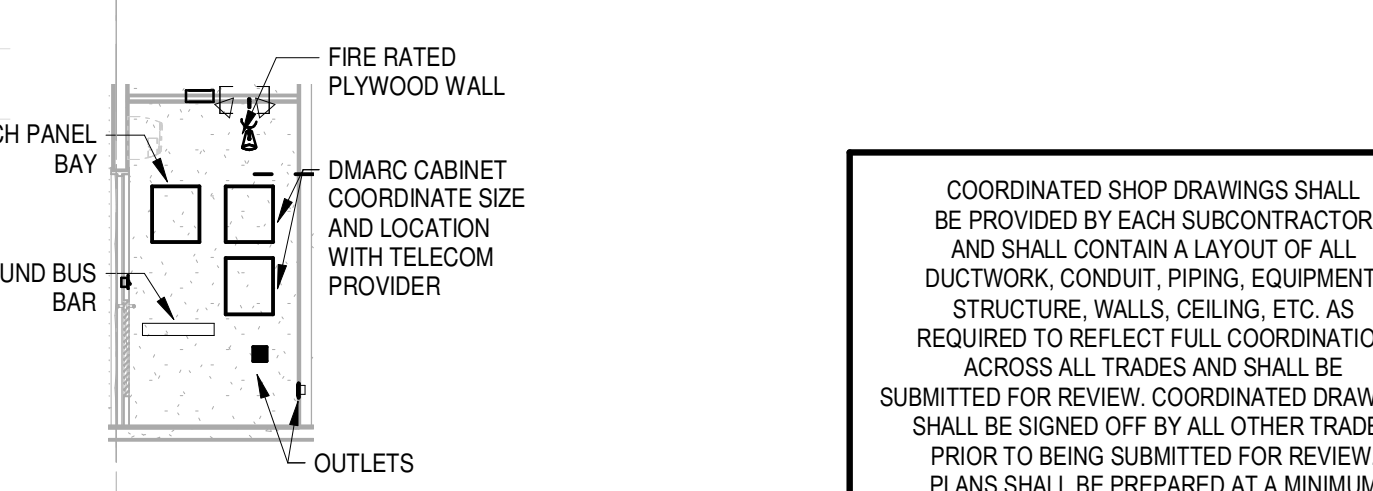
ELECTRICAL KEYNOTES	
KEY VALUE	KEYNOTE TEXT

- POWER & SIGNAL GENERAL NOTES**
- ALL 15A & 20A RECEPTACLES LOCATED WITHIN 6'-0" OF A SINK, BASIN OR SHOWER OR INSTALLED OUTDOORS OR WITHIN KITCHEN OR BAR AREAS SHALL BE GFCI TYP. ALL RECEPTACLES INSTALLED OUTDOORS SHALL BE PROVIDED WITH A SHALLOW, WEATHERPROOF "IN-USE" COVERS. GFI RECEPTACLES MUST BE READILY ACCESSIBLE, AND MAY NOT BE CONCEALED, IF RECEPTACLES WILL BE CONCEALED BY EQUIPMENT, GFI BREAKERS SHOULD BE CONSIDERED.
 - ALL 20A BRANCH CIRCUITS SHALL USE #12AWG CONDUCTORS IN 3/4" MINIMUM. CONTRACTOR SHALL PROVIDE HOMERUNS TO ELECTRICAL PANELS AS REQUIRED. EACH CIRCUIT SHALL CONTAIN A DEDICATED NEUTRAL CONDUCTOR FOR A MAX. OF (1) NETWORK PER HOMERUN. ALL FEEDERS OR BRANCH CIRCUITS GREATER THAN 7' IN LENGTH SHALL BE INCREASED IN SIZE AS REQUIRED TO COMPENSATE FOR VOLTAGE DROP. ALL OTHER CIRCUITS CONDUCTORS SHALL BE SIZED TO MATCH THEIR RESPECTIVE OVER CURRENT PROTECTIVE DEVICES U.N.O.
 - COORDINATE DEVICE ELEVATIONS WITH ARCHITECTURAL PLANS PRIOR TO ROUGH-IN.
 - THIS PROJECT IS SUBJECT TO THE 2017 NATIONAL ELECTRICAL CODE AND ALL LOCAL AMENDMENTS.
 - ALL DEVICES SHALL BE MOUNTED HORIZONTALLY GROUND PIN RIGHT UNLESS OTHERWISE NOTED. ALL DEVICES INSTALLED IN EXISTING AREAS, ADJACENT TO EXISTING DEVICES WITHIN VIEW SHALL MATCH THE ORIENTATION OF THE EXISTING DEVICES U.N.O.
 - ALL POWER AND DATA DEVICES INSTALLED FOR THE SERVICE OF FLAT SCREEN TV'S OR VIDEO PANELS SHALL BE OFFSET BEHIND THE TV SO AS NOT TO BE SEEN AFTER EQUIPMENT INSTALLATION. COORDINATE LOCATION WITH EQUIPMENT MOUNTING BRACKET PRIOR TO ROUGH-IN. E.C. SHALL SECURE THE EXTRA CABLE LENGTHS TIGHT BEHIND EQUIPMENT SO AS NOT TO BE SEEN AFTER INSTALLATION. PROVIDE 2-GANG BACK BOX AND EMPTY 3/4" STUB-UP AT ALL LV LOCATIONS. TYP.
 - THE CONTRACTOR SHALL REVIEW ALL EQUIPMENT CUTS PRIOR TO THE ROUGH-IN OF ANY ELECTRICAL DEVICES. COORDINATE EQUIPMENT REQUIREMENTS AND ELEVATIONS PRIOR TO ROUGH-IN. TYP.
 - CIRCUIT NUMBERS USED ARE FOR INTENT OF DESIGN ONLY. ELECTRICAL CONTRACTOR SHALL COORDINATE ACTUAL CIRCUITS TO BE USED.
 - VERIFY ALL TELE DATA ROOM EQUIPMENT ELECTRICAL & GROUNDING REQUIREMENTS WITH OWNER. EQUIPMENT MAY REQUIRE SPECIALIZED RECEPTACLES DIFFERENT THAN INDICATED. PROVIDE ALL AS REQUIRED FOR A FULLY FUNCTIONAL INSTALLATION.
 - PROVIDE 1/2" FROM EACH T-STAT OR SENSOR TO THE EQUIPMENT IT SERVES FOR USE BY THE MECHANICAL CONTRACTOR.
 - INSTALL RECEPTACLE AND/OR TRANSFORMER TIGHT TO UNDERSIDE OF COUNTER FOR POWERING OF AUTO FAUCETS, E.G. TO SECURE EXCESS CABLES AND/OR CORDS TIGHT TO UNDERSIDE OF COUNTER TO MINIMIZE VIEWING POST INSTALLATION.
 - ALL BACK-OF-HOUSE RECEPTACLES IN KITCHEN AND BAR AREAS SHALL BE PROVIDED WITH STAINLESS STEEL COVER PLATES.
 - ALL POWER TO APPLIANCES LOCATED UNDER THE INSUL. HOOD SHALL BE DISCONNECTED UPON INSUL. INITIATION. PROVIDE SHUNT TRIP BREAKERS, PANEL OR CONTACTORS AS REQUIRED. TYP.
 - PROVIDE DEDICATED NEUTRAL FOR POS CKT.
 - PROVIDE EMPTY CONDUIT WITH STUB-UP TO 6" ABOVE FINISHED CEILING FOR ALL LOW VOLTAGE LOCATIONS. PROVIDE BACK BOX FOR DEVICE INSTALLATION PER SPECIFICATIONS. WIRING BY OWNERS LOW VOLTAGE CONTRACTOR. WHERE PLENUM CEILINGS ARE PRESENT, ALL LOW VOLTAGE CABLING SHALL BE PLENUM APPROVED.
 - ALL WIRING DEVICE COLORS SHALL BE COORDINATED WITH ARCHITECT AND ARCHITECTURAL FINISH PLAN.
 - RIGID OR INTERMEDIATE METAL CONDUIT SHALL BE USED IN ALL CONCRETE SLABS ABOVE GRADE. RIGID OR INTERMEDIATE METAL OR RIGID NONMETALLIC CONDUIT SHALL BE USED UNDERGROUND. RIGID, RIGID NONMETALLIC, INTERMEDIATE OR ALUMINUM CONDUIT SHALL BE USED WHEREVER EXPOSED TO WEATHER. NO ELECTRICAL METALLIC TUBING (EMT) IS PERMITTED OUTSIDE. ONLY INSIDE OF A STRUCTURE.



2 ELECTRICAL POWER PLAN - MEZZANINE
E301 3/16" = 1'-0"

- PROJECT SPECIFIC NOTES**
- PROVIDE EDWARDS #600 DOOR BELL PUSH BUTTON WITH MATCHING DIXIE NUBEL #750/592 BUZZER. INSTALL PER MANUFACTURERS INSTRUCTIONS. CONNECT TO NEAREST RECEPTACLE CIRCUIT.
 - TYPICAL POS STATION. PROVIDE ISOLATED GROUND RECEPTACLES. ROUGH-IN AT 9" A.F.F. REFER TO ARCHITECTURAL MILLWORK DETAILS FOR ADDITIONAL ROUGH-IN INFO.
 - BAR POS RECEPTACLES LEVITON #75832 OR EQUAL MOUNT AT 9" A.F.F. TYP. FOR ALL BAR POS LOCATIONS.
 - SECURITY CAMERA TYP. PROVIDE 3/4" CONDUIT BACK TO LOW VOLTAGE BACKBOARD AT PATCH PANEL BAY.
 - WIRELESS ACCESS POINT TYP. PROVIDE 3/4" CONDUIT BACK TO LOW VOLTAGE BACKBOARD AT PATCH PANEL BAY.
 - ROUTE CONDUITS FOR POWER AND DATA IN SLAB WHERE REQUIRED. COORDINATE WITH ARCHITECTURAL PLANS AND DETAILS. MINIMUM CONDUIT SIZE SHALL BE 3/4".
 - POWER & DATA TO MENU BOARD. COORDINATE EXACT LOCATION WITH ARCHITECT.
 - POWER & DATA TO EASEL BOARD. COORDINATE EXACT LOCATION WITH ARCHITECT.
 - CONFIRM EXACT LOCATION OF LOW VOLTAGE DEMARCATION AND ROUTING OF SERVICES WITH OWNER. NOT REQUIRED IF WIRELESS FIRE ALARM MONITORING IS ALLOWED BY THE LOCAL AHJ. COORDINATE WITH FIRE ALARM CONTRACTOR.
 - MONITOR. COORDINATE EXACT LOCATION WITH FOOD SERVICE AND OWNER.



3 ELEVATION - NETWORK ROOM
E301 3/16" = 1'-0"

COORDINATED SHOP DRAWINGS SHALL BE PROVIDED BY EACH SUBCONTRACTOR AND SHALL CONTAIN A LAYOUT OF ALL DUCTWORK, CONDUIT, PIPING, EQUIPMENT, STRUCTURE, WALLS, CEILING, ETC. AS REQUIRED TO REFLECT FULL COORDINATION ACROSS ALL TRADES AND SHALL BE SUBMITTED FOR REVIEW. COORDINATED DRAWINGS SHALL BE SIGNED OFF BY ALL OTHER TRADES PRIOR TO BEING SUBMITTED FOR REVIEW. PLANS SHALL BE PREPARED AT A MINIMUM OF 1/8" SCALE OR THE SCALE OF THE DESIGN DRAWINGS, WHICHEVER IS LARGER. NO EQUIPMENT SHALL BE INSTALLED WITHOUT APPROVED SHOP DRAWINGS.

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ELECTRICAL - POWER PLAN

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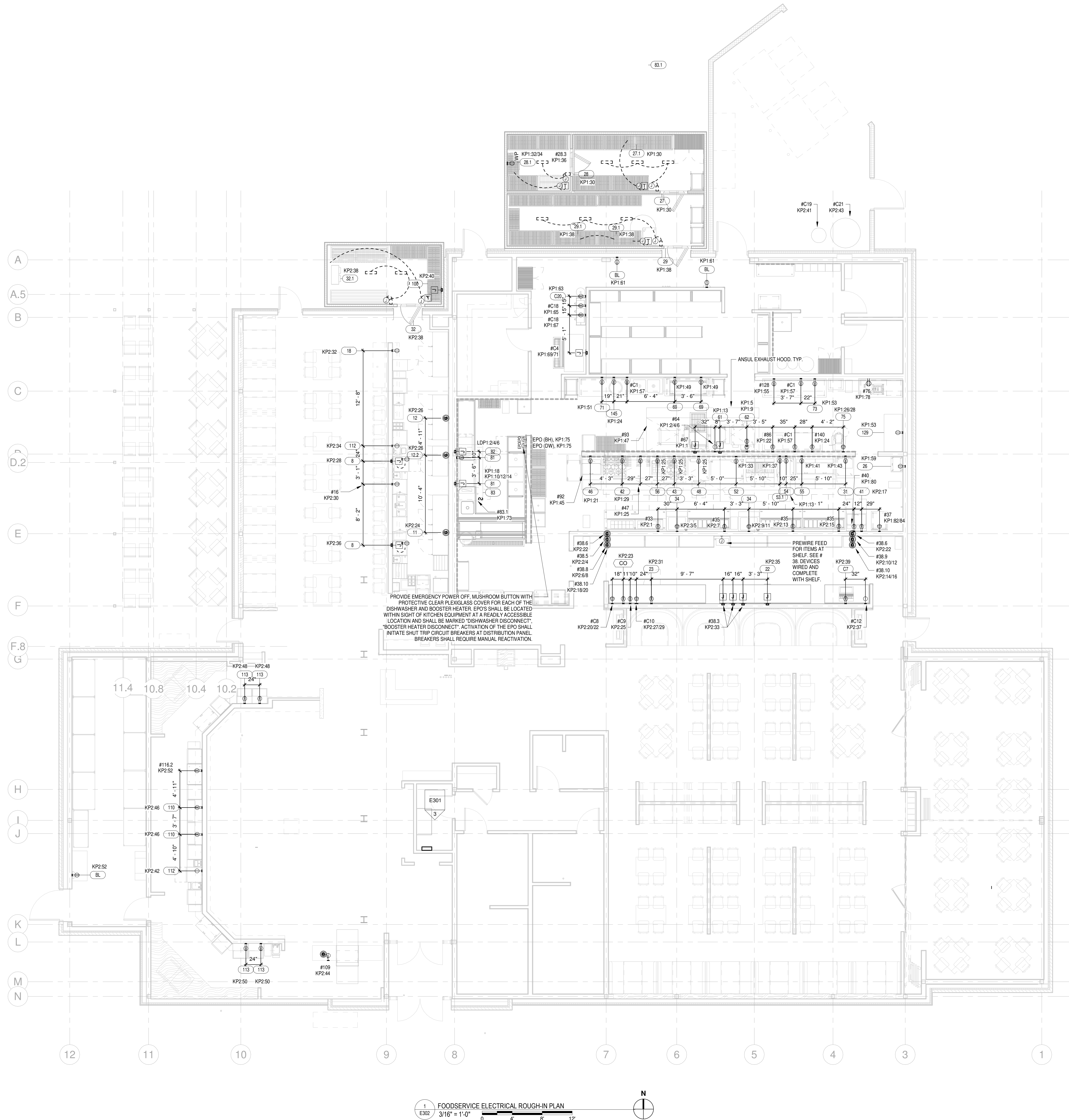
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1 FOODSERVICE ELECTRICAL ROUGH-IN PLAN
3/16" = 1'-0"

REFRIGERATION SCHEDULE

CONDENSING UNITS LOCATED ON CONCRETE SLAB/
BUILDING ROOF.

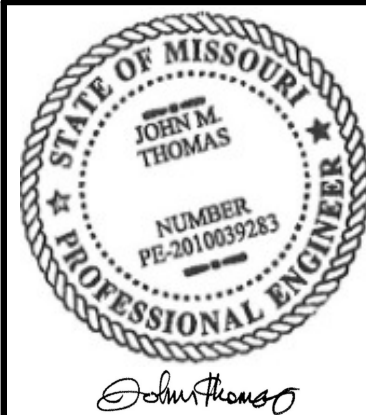
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KP1:40/42	KP1:44/46	KP1:48/50/52	KP1:54/56/58	KP1:60/62/64	KP1:66/68/70	KP1:72/74

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AND SHALL CONTAIN A LAYOUT OF ALL
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STRUCTURE, WALLS, CEILING, ETC. AS
REQUIRED TO REFLECT FULL COORDINATION
ACROSS ALL TRADES AND SHALL BE
SUBMITTED FOR REVIEW. COORDINATED DRAWINGS
SHALL BE SIGNED OFF BY ALL OTHER TRADES
PRIOR TO BEING SUBMITTED FOR REVIEW.
PLANS SHALL BE PREPARED AT A MINIMUM
OF 1/8" SCALE OR THE SCALE OF THE
DESIGN DRAWINGS, WHICHEVER IS LARGER.
NO EQUIPMENT SHALL
BE INSTALLED WITHOUT APPROVED SHOP
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Drawing Title
FOODSERVICE
ELECTRICAL
ROUGH-IN PLAN

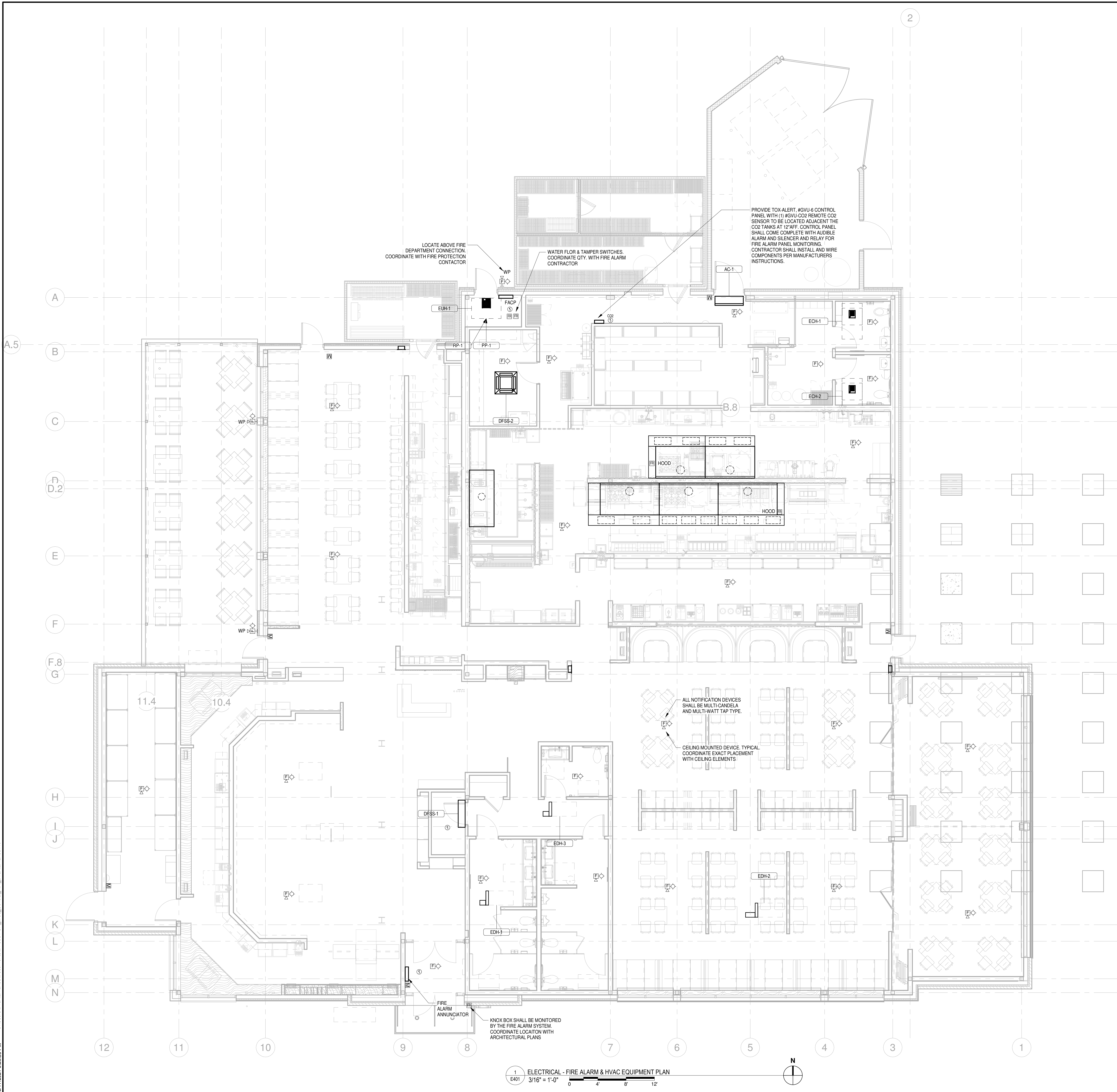
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3/16" = 1'-0"	08/06/2021

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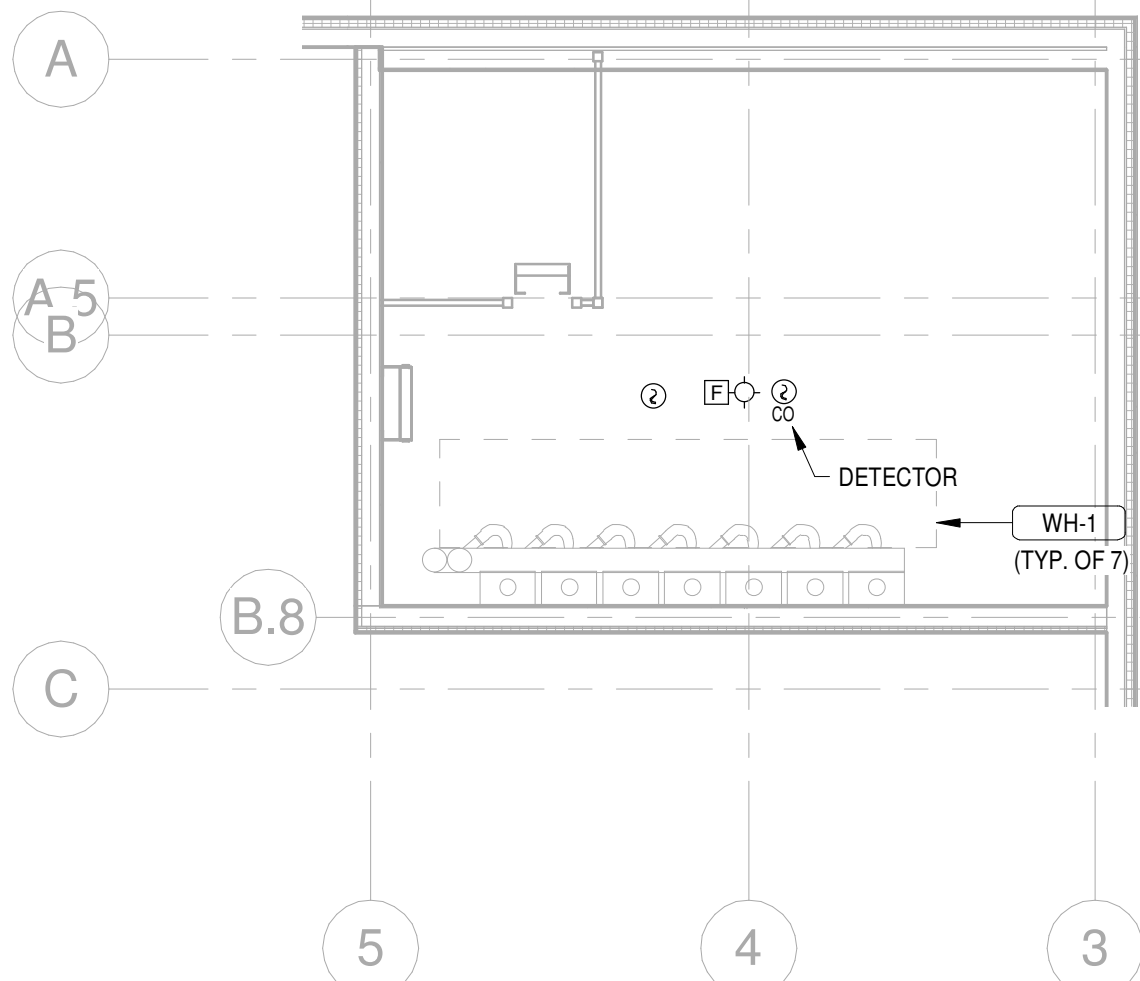
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MO 64086





FIRE ALARM GENERAL NOTES

1. FIRE ALARM CONTRACTOR SHALL PROVIDE A FORMAL SUBMITTAL TO THE LOCAL AHJ FOR FORMAL PERMIT REVIEW AND APPROVAL. SUBMITTAL SHALL INCLUDE, BUT NOT BE LIMITED TO: PLANS, DEVICE LOCATIONS, WIRING DIAGRAMS, EQUIPMENT CUTS, BATTERY CALCULATIONS, ETC.
2. FIRE ALARM SYSTEM SHALL BE INSTALLED PER LOCAL FIRE CODES AND NFPA 72.
3. PROVIDE NEW ADDRESSIBLE FIRE ALARM SYSTEM BY EDWARDS. FAAP SHALL BE LOCATED AT THE MAIN ENTRANCE OF THE BUILDING - COORDINATE EXACT LOCATION WITH ARCHITECT. PROVIDE SMOKE DETECTOR ABOVE FAAP AND FAAP.
4. ALL VISUAL DEVICES LOCATED WITHIN CONTIGUOUS VIEWING AREAS SHALL BE SYNCHRONIZED.
5. ALL DEVICES SHALL BE MOUNTED PER MANUFACTURER'S INSTRUCTIONS AND PER NFPA 72. ADJUST LOCATIONS AS REQUIRED TO COORDINATE WITH LIGHTS, DIFFUSERS, SPRINKLER HEADS, ETC. LOCATION ADJUSTMENTS GREATER THAN 2'-0" SHALL BE APPROVED BY THE ENGINEER.
6. ALL FIRE ALARM WIRING SHALL BE IN CONDUIT EXCEPT WHERE ALLOWED TO BE INSTALLED IN FREE AIR BY THE LOCAL AHJ. ALL FIRE ALARM WIRING IN CONCEALED SPACES (IE BEHIND WALLS OR INACCESSIBLE CEILINGS) OR IN AREAS SUBJECT TO DAMAGE (IE MECHANICAL ROOMS) SHALL BE INSTALLED IN CONDUIT. ALL FIRE ALARM CABLEING SHALL BE FIRE-ALARM CIRCUIT INTEGRITY RATED CABLE. ALL FIRE ALARM CABLE RUN IN FREE AIR SHALL BE RUN INDEPENDENTLY OF OTHER LOW VOLTAGE SYSTEMS AND SUPPORTED VIA CABLE TRAY, WIRE BASKET TRAY, BRIDLE RINGS OR J-HOOKS.
7. FIRE ALARM CONTRACTOR SHALL PROVIDE ALL REQUIRED ACCESSORY RELAYS FOR DUCT DETECTORS PROVIDED BY THE ELECTRICAL CONTRACTOR TO ENSURE COMPATIBILITY WITH THE FIRE ALARM SYSTEM.
8. PROVIDE AUXILIARY CONTACTS WHERE REQUIRED FOR CONTROL OF OTHER FIRE PREVENTION EQUIPMENT.
9. PROVIDE 120V POWER, CONDUIT AND BACK BOXES AS REQUIRED TO SUPPORT THE INTENDED FIRE ALARM SYSTEM.
10. ALL STROBES SHALL BE 15cd/30cd/75cd/110cd MULTI-CANDELA TYPE.
11. ALL NEW FIRE ALARM DEVICES SHALL BE RED IN COLOR.
12. PROVIDE FIRE ALARM MONITOR MODULES AT KNOX BOX, WATER FLOW AND TAMPER SWITCHES WHERE PRESENT. COORDINATE LOCATION WITH ARCHITECTURAL AND FIRE PROTECTION DRAWINGS.
13. PROVIDE FIRE ALARM SHUT OFF RELAY AT ALL AHU'S AND RTU'S FOR FAN SHUT DOWN UPON FIRE ALARM INITIATION.
14. PROVIDE WEATHERPROOF HORN/STROBE ABOVE EXTERIOR FIRE DEPARTMENT CONNECTION WHERE PRESENT.
15. THE ACTUATION OF A DUCT SMOKE DETECTOR SHALL ACTIVATE A VISIBLE SUPERVISORY SIGNAL AT A CONSTANTLY ATTENDED LOCATION.
16. DUCT SMOKE DETECTORS FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE DETECTOR LOCATIONS WITH MECHANICAL CONTRACTOR, TOTAL OF 4 (RTU-1, 2, 3 & 5). SEE SHEET M101 FOR THE LOCATIONS.



2 ELECTRICAL - FIRE ALARM & HVAC EQUIPMENT MEZZ PLAN

3/16" = 1'-0"

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PE-201009283

John Thomas

Drawing Title

ELECTRICAL - FIRE ALARM & HVAC EQUIPMENT PLAN

Job No.

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Author

Scale

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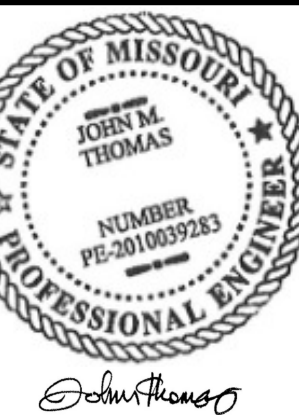
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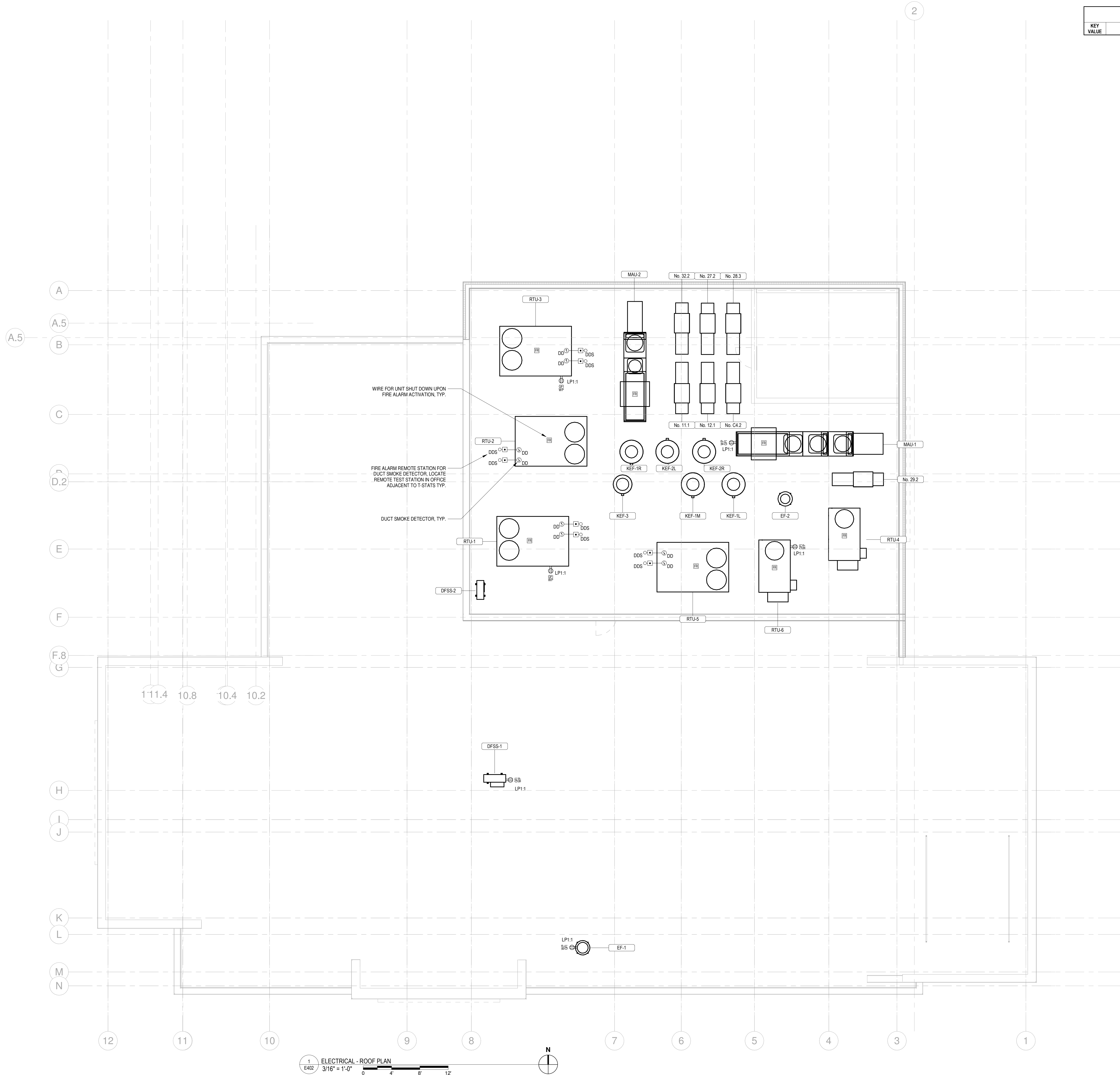
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ELECTRICAL - ROOF
PLAN

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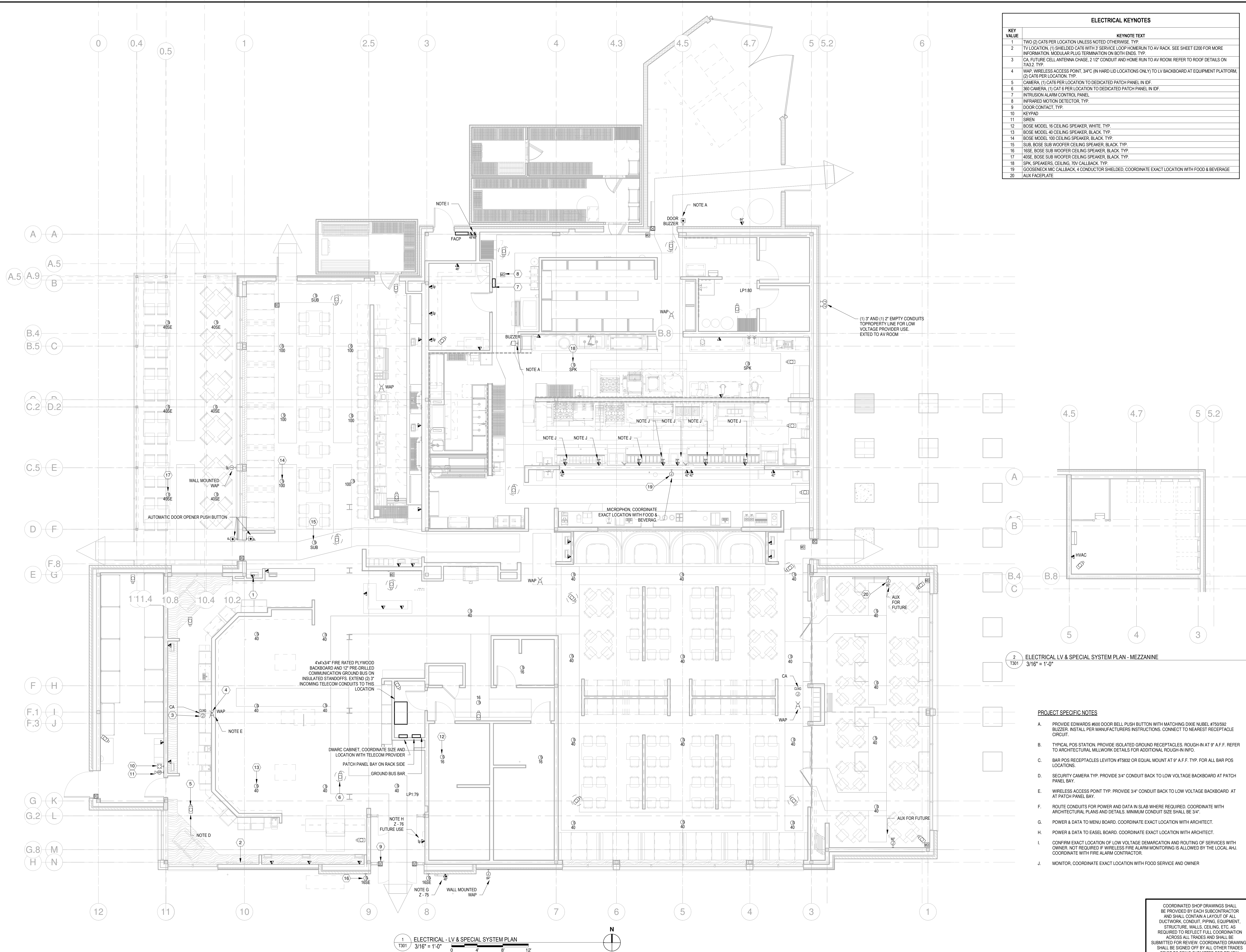
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ELECTRICAL KEYNOTES	
KEY VALUE	KEYNOTE TEXT
1	TWO (2) CAT6 PER LOCATION UNLESS NOTED OTHERWISE. TYP.
2	TV LOCATION, (1) SHIELDED CAT6 WITH 3' SERVICE LOOP/HOMERUN TO AV RACK. SEE SHEET E200 FOR MORE INFORMATION. MODULAR PLUG TERMINATION ON BOTH ENDS. TYP.
3	CA, FUTURE CELL ANTENNA CHASE, 2 1/2" CONDUIT AND HOME RUN TO AV ROOM. REFER TO ROOF DETAILS ON 71A3.2. TYP.
4	WAP, WIRELESS ACCESS POINT, 34" C (IN HARD LID LOCATIONS ONLY) TO LV BACKBOARD AT EQUIPMENT PLATFORM, (2) CAT6 PER LOCATION. TYP.
5	CAMERA, (1) CAT6 PER LOCATION TO DEDICATED PATCH PANEL IN IDF.
6	360 CAMERA, (1) CAT 6 PER LOCATION TO DEDICATED PATCH PANEL IN IDF.
7	INTRUSION ALARM CONTROL PANEL.
8	INFRARED MOTION DETECTOR, TYP.
9	DOOR CONTACT, TYP.
10	KEYPAD
11	SIREN
12	BOSE MODEL 16 CEILING SPEAKER, WHITE, TYP.
13	BOSE MODEL 40 CEILING SPEAKER, BLACK, TYP.
14	BOSE MODEL 100 CEILING SPEAKER, BLACK, TYP.
15	SUB, BOSE SUB WOOFER CEILING SPEAKER, BLACK, TYP.
16	16SE, BOSE SUB WOOFER CEILING SPEAKER, BLACK, TYP.
17	40SE, BOSE SUB WOOFER CEILING SPEAKER, BLACK, TYP.
18	SPK, SPEAKERS, CEILING, 70V CALLBACK, TYP.
19	GOOSENECK MIC CALLBACK, 4 CONDUCTOR SHIELDED, COORDINATE EXACT LOCATION WITH FOOD & BEVERAGE
20	AUX FACEPLATE

2 ELECTRICAL LV & SPECIAL SYSTEM PLAN - MEZZANINE
3/16" = 1'-0"

PROJECT SPECIFIC NOTES

- PROVIDE EDWARDS #630 DOOR BELL PUSH BUTTON WITH MATCHING OXIDE NUBEL. #750/592 BUZZER. INSTALL PER MANUFACTURERS INSTRUCTIONS. CONNECT TO NEAREST RECEPTACLE CIRCUIT.
- TYPICAL POS STATION. PROVIDE ISOLATED GROUND RECEPTACLES. ROUGH-IN AT 9" A.F.F. REFER TO ARCHITECTURAL MILLWORK DETAILS FOR ADDITIONAL ROUGH-IN INFO.
- BAR POS RECEPTACLES LEVITON #15832 OR EQUAL MOUNT AT 9" A.F.F. TYP. FOR ALL BAR POS LOCATIONS.
- SECURITY CAMERA TYP. PROVIDE 3/4" CONDUIT BACK TO LOW VOLTAGE BACKBOARD AT PATCH PANEL BAY.
- WIRELESS ACCESS POINT TYP. PROVIDE 3/4" CONDUIT BACK TO LOW VOLTAGE BACKBOARD AT AT PATCH PANEL BAY.
- ROUTE CONDUITS FOR POWER AND DATA IN SLAB WHERE REQUIRED. COORDINATE WITH ARCHITECTURAL PLANS AND DETAILS. MINIMUM CONDUIT SIZE SHALL BE 3/4".
- POWER & DATA TO MENU BOARD. COORDINATE EXACT LOCATION WITH ARCHITECT.
- POWER & DATA TO EASEL BOARD. COORDINATE EXACT LOCATION WITH ARCHITECT.
- CONFIRM EXACT LOCATION OF LOW VOLTAGE DEMARCATION AND ROUTING OF SERVICES WITH OWNER. NOT REQUIRED IF WIRELESS FIRE ALARM MONITORING IS ALLOWED BY THE LOCAL AHJ. COORDINATE WITH FIRE ALARM CONTRACTOR.
- MONITOR, COORDINATE EXACT LOCATION WITH FOOD SERVICE AND OWNER

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COOPER'S HAWK

WINE & RESTAURANT

540 NW CHIPMAN ROAD, LEE'S SUMMIT, MO 64086

1BTR

ENGINEERING

2021/08/19

ISSUED FOR PERMIT

NO. DATE

REMARKS

REVISIONS

STATE OF MISSOURI

SEAL

THOMAS

PROFESSIONAL ENGINEER

Drawing Title

ELECTRICAL - LV & SPECIAL SYSTEM PLAN

Job No.

204530

Drawn

Author

Scale

As indicated

Date

08/06/2021

Sheet No.

T301