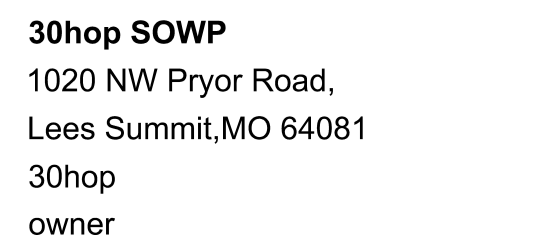


orientation	
project number	232882
scale	As Noted
date	7/23/2024
sheet title	Plumbing Plan
sheet number	

REMARKS:

1. EQUIPMENT ON SCHEDULE FURNISHED BY OTHERS.
2. EQUIPMENT SUBJECT TO CHANGE, FIELD VERIFY EQUIPMENT W/ OWNER AND ARCHITECT.
3. FIELD VERIFY PLUMBING REQUIREMENTS FOR ALL EQUIPMENT.
4. ALL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
5. COORDINATE EXACT LOCATION OF EQUIPMENT WITH OWNER.



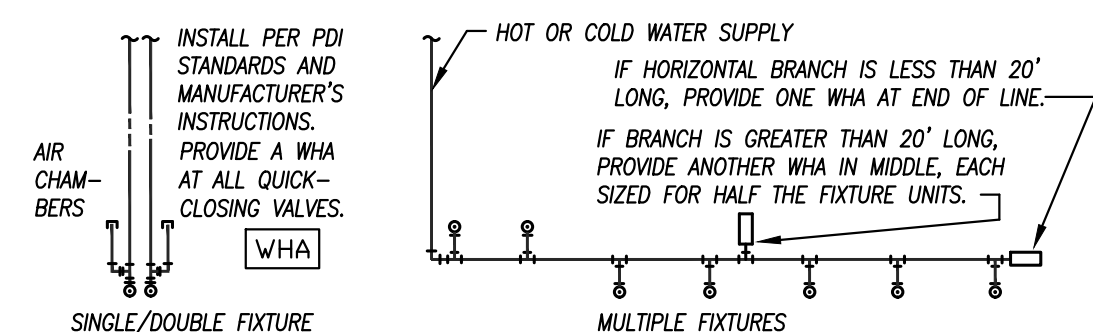


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sheet number	

4.1	1	PANTRY MIXING FAUCET	1/2"	1/2"	20"			
5	1	BAG-IN-BOX SYSTEM	1/2"		60"			
6	1	HOTPLATE				3/4"	120	36"
10	6	HAND SINK	1/2"	1/2"	20"			
13	1	2 COMPARTMENT SINK	1/2"	1/2"	20"			
14	1	MOP SINK	1/2"	1/2"	36"			
25	1	CHARBROILER				3/4"	45	12"
28	1	GRIDDLE				3/4"	162	12"
30	1	HOTPLATE				3/4"	240	12"
32	1	CHEESE MELTER				3/4"	30	60"
34	1	BATTERY FRYER				1"	255	12"
36	1	ICE MAKER W/ BIN	3/8"		60"			
58		NOT USED						
64	1	SODA DISPENSER	1/2"		48"			
66	1	SOILED DISHTABLE	1/2"	1/2"	20"			
68	1	DISHWASHER				3/4"	20"	
73	1	3 COMPARTMENT SINK	1/2"	1/2"	20"			
80	1	UNDERCOUNTER DISHWASHER	1/2"	1/2"	10"			
81	2	WET WASTE SINK	1/2"	1/2"	10"			
90	2	UNDERBAR SINK	1"	3/8"	10"			

REMARKS:

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5. COORDINATE EXACT LOCATION OF EQUIPMENT WITH OWNER.



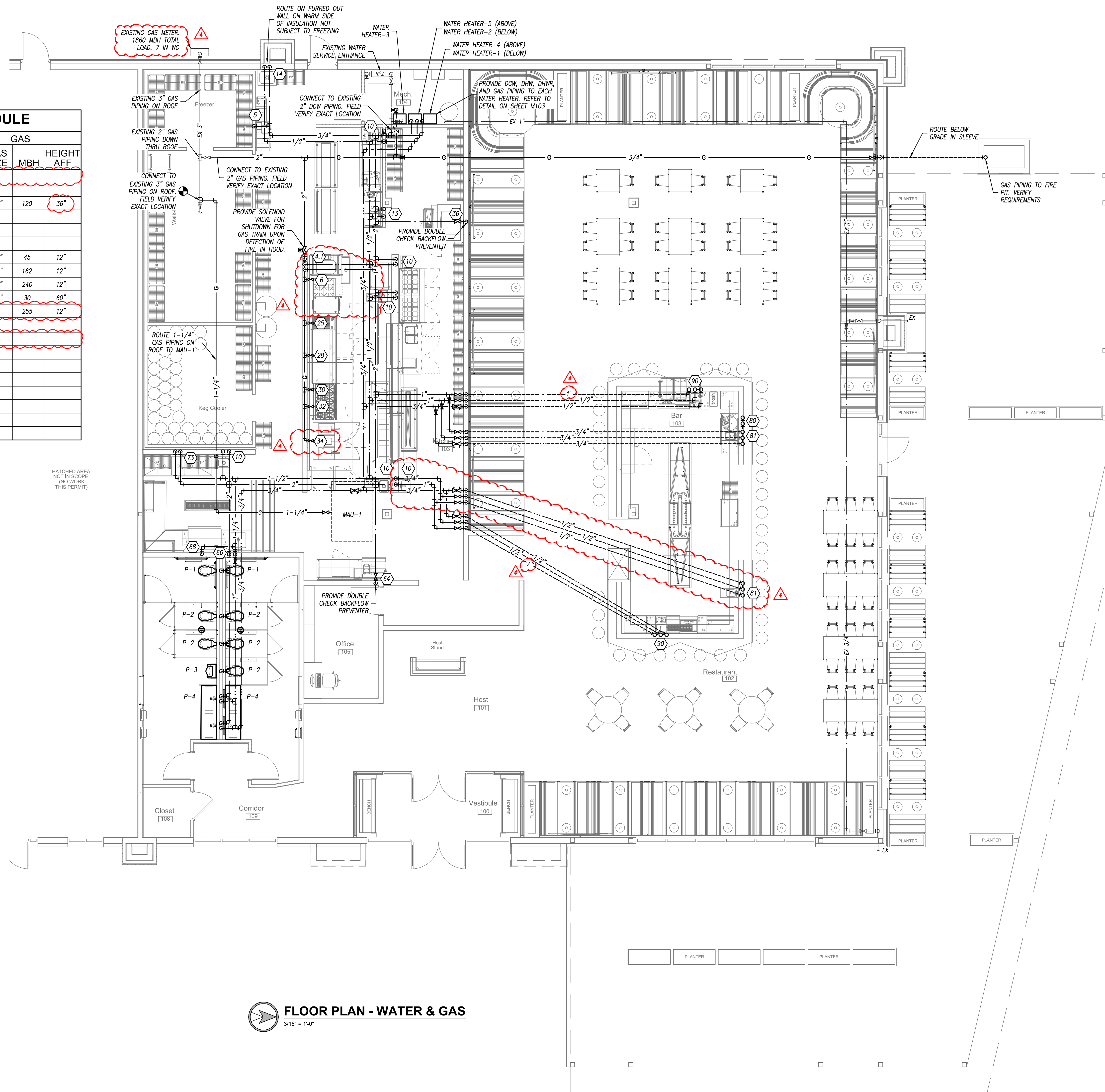
PDI SIZE	PIPE SIZE	FIXTURE UNIT LOAD
A	1/2"	1-11
B	3/4"	12-32
C	1"	33-60
D	1-1/4"	61-113
E	1-1/2"	114-154
F	2"	154-330

FIXTURE UNIT TABULATION		
FIXTURE	COLD	HOT
VALVE WATER CLOSET	10	---
TANK WATER CLOSET	5	---
URINAL	5	---
LAVATORY/SINK	1.5	1.5
JANITOR'S SINK	3	3
SHOWER/BATH/TUB	2	2

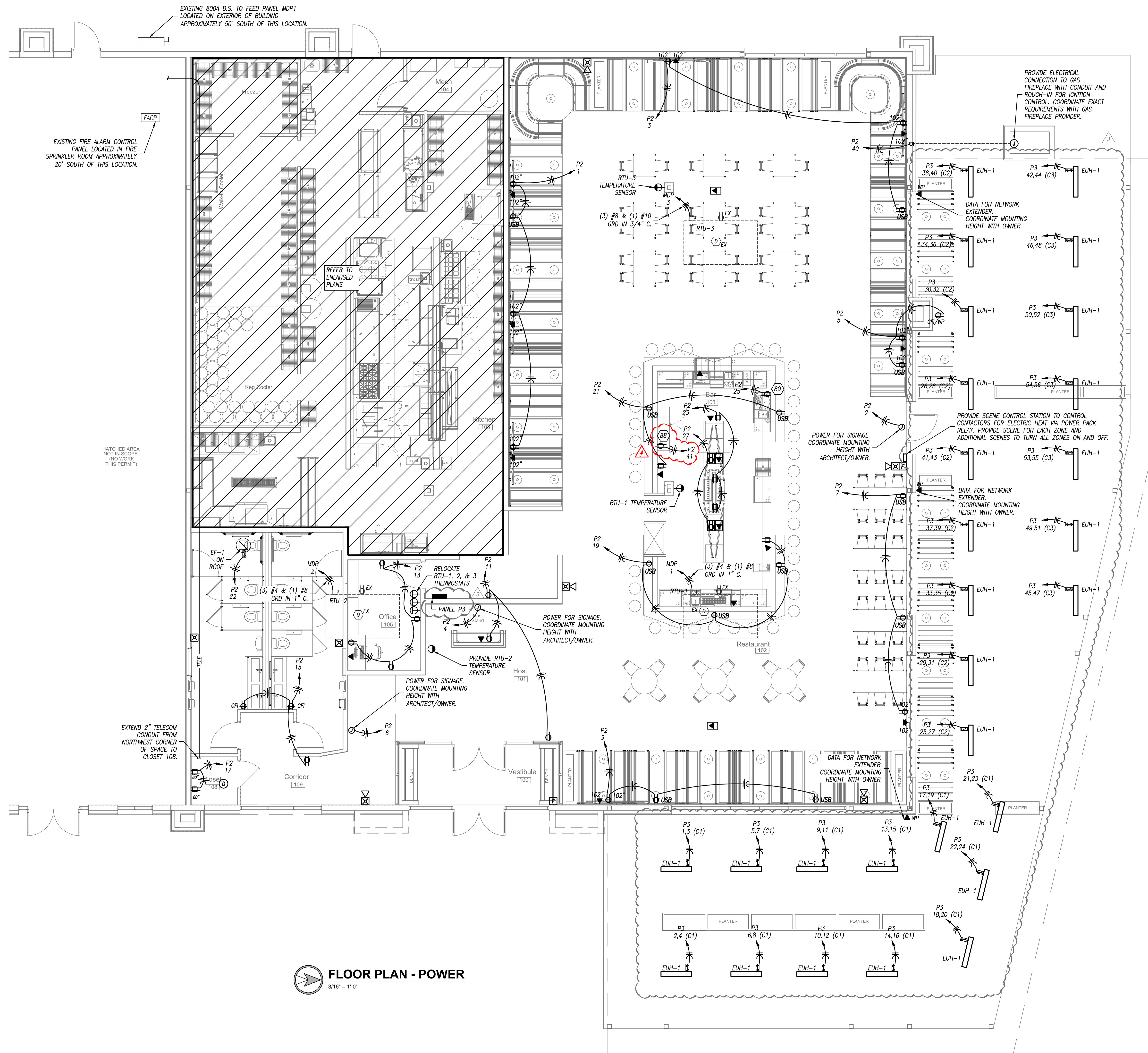
FOR BATTERIES OF FIXTURES, PROVIDE WATER HAMMER ARRESTERS
BY SIOUX CHIEF, PRECISION PLUMBING PRODUCTS, WATTS OR APPROVED
EQUIVALENT WITH PISTON AND O-RING CONSTRUCTION, HAVING PDI #WH-
201, ASSE # 1010 AND ANSI # A112.26.1N CERTIFICATION. INSTALL IN
HORIZONTAL OR VERTICAL POSITION, BUT NEVER UPSIDE DOWN. INSTALL
IN LINE WITH WATER FLOW DIRECTION IF POSSIBLE. SIZE THE UNITS AS
SHOWN ON THE DRAWINGS AND/OR PER THE TABLES SHOWN ABOVE.
PROVIDE ACCESSIBILITY TO "WHA" WHERE REQUIRED BY LOCAL CODE.

WATER HAMMER ARRESTERS

NOT TO SCALE



orientation	
project number	232882
scale	As Noted
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sheet title	Power Plan
sheet number	



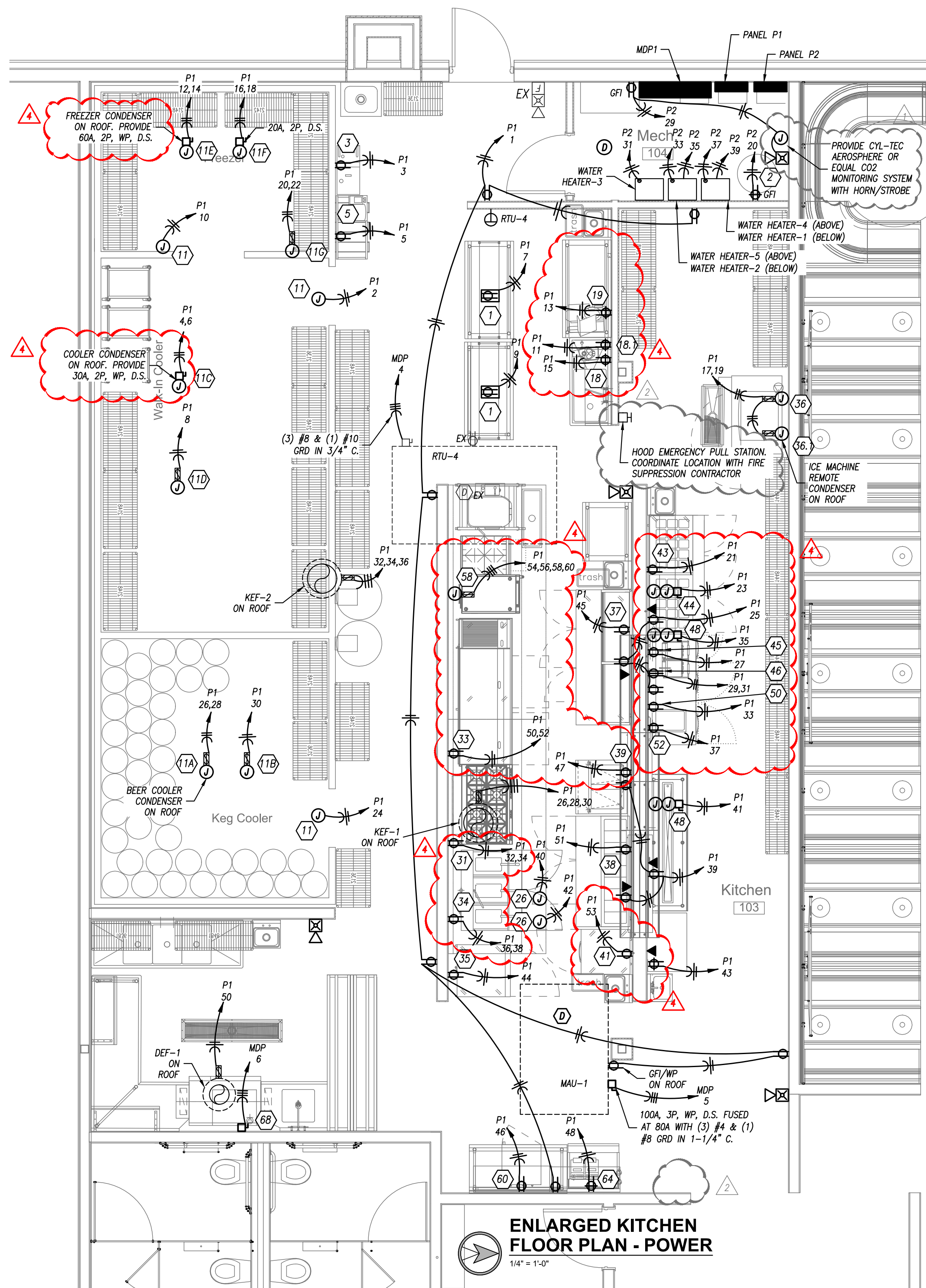
orientation	
project number	232882
scale	As Noted
date	7/23/2024
sheet title	Power Plan
sheet number	

NOTES:

1. PROVIDE (2) JUNCTION BOXES, ONE FOR HEAT LAMP AND ONE FOR REMOTE CONTROL ENCLOSURE. PROVIDE DISCONNECT SWITCH ABOVE ACCESSIBLE CEILING, UPSTREAM OF REMOTE CONTROL AND HEAT LAMP. SEE KITCHEN EQUIPMENT DRAWINGS FOR EXACT MOUNTING HEIGHT AND MANUFACTURER'S INSTRUCTIONS FOR EACH EQUIPMENT REQUIREMENT.
2. PROVIDE CONNECTION TO ALL ACCESSORIES (HEAT TAPE, PRESSURE RELIEF PORT, LIGHT/THERMOMETER SWITCH, VAPOR LIGHT, ETC) PER MANUFACTURER'S INSTRUCTIONS.

REMARKS:

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3. FIELD VERIFY ELECTRICAL REQUIREMENTS FOR ALL EQUIPMENT.
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5. COORDINATE EXACT LOCATION OF EQUIPMENT WITH OWNER.



PANEL DESIGNATION		MAIN BUS AMPS: 800		VOLTAGE: 208/120		MOUNTING: SURFACE				
MDP1		MAIN BREAKER AMPS: 800		PHASE/WIRE: 3Ø, 4W		LOCATION: MECH 104				
		SCCR RATING (AIC): 35,000								
CIRCUIT NO.	CIRCUIT DESIGNATION	KVA	CIRCUIT BREAKER			FEEDER				
			POLE	FRAME	TRIP	SETS	# OF WIRES	SIZE	GROUND	CONDUIT
1	RTU-1	18.5	3	100	70	1	3	#4	#8	1"
2	RTU-2	18.5	3	100	70	1	3	#4	#8	1"
3	RTU-3	12.6	3	100	50	1	3	#6	#10	3/4"
4	RTU-4	12.6	3	100	50	1	3	#6	#10	3/4"
5	MAU-1	22.1	3	100	80	1	3	#3	#8	1-1/4"
6	DISHWASHER-GFI	40.1	3	200	150	1	3	#1	#6	2"
7	PANELBOARD P1	78.4	3	200	200	1	4	#3/0	#6	2"
8	PANELBOARD P2	30.3	3	200	200	1	4	#3/0	#6	2"
9	PANELBOARD P3	96.9	3	400	400	2	4	#3/0	#3	2"
10	SPACE	0.0	3	-	-	-	-	-	-	-

REMARKS:

1. EATON POW-R-LINE 4X PANELBOARD OR EQUAL
2. SINGLE SECTION, 44" WIDE PANELBOARD.
3. FURNISH PANELBOARD WITH EXTERNAL SPD.

PANEL DESIGNATION: P3						CIRCUIT #	MAIN LUG AMPS: 400 MAIN BREAKER: M.L.O. VOLTAGE: 208/120 PHASE/WIRE: 3Ø, 4W						SCCR RATING (AIC): 22,000				
MOUNTING: SURFACE LOCATION: CORRIDOR							C/B			C/B			PHASE			DESCRIPTION	
DESCRIPTION		PHASE			C/B		C/B		PHASE								
		A	B	C	TRIP		POLE	POLE	TRIP	A	B	C					
ELECTRIC HEATER	1730				20	2	1	2	2	20	1730		ELECTRIC HEATER				
-		1730			-	-	3	4	-	-	1730		-				
ELECTRIC HEATER				1730	20	2	5	6	2	20		1730	ELECTRIC HEATER				
-		1730			-	-	7	8	-	-	1730		-				
ELECTRIC HEATER			1730		20	2	9	10	2	20		1730	ELECTRIC HEATER				
-				1730	-	-	11	12	-	-		1730	-				
ELECTRIC HEATER	1730				20	2	13	14	2	20	1730		ELECTRIC HEATER				
-			1730		-	-	15	16	-	-		1730	-				
ELECTRIC HEATER				1730	20	2	17	18	2	20		1730	ELECTRIC HEATER				
-		1730			-	-	19	20	-	-	1730		-				
ELECTRIC HEATER			1730		20	2	21	22	2	20		1730	ELECTRIC HEATER				
-				1730	-	-	23	24	-	-		1730	-				
ELECTRIC HEATER	1730				20	2	25	26	2	20	1730		ELECTRIC HEATER				
-			1730		-	-	27	28	-	-		1730	-				
ELECTRIC HEATER				1730	20	2	29	30	2	20		1730	ELECTRIC HEATER				
-		1730			-	-	31	32	-	-	1730		-				
ELECTRIC HEATER			1730		20	2	33	34	2	20		1730	ELECTRIC HEATER				
-				1730	-	-	35	36	-	-		1730	-				
ELECTRIC HEATER	1730				20	2	37	38	2	20	1730		ELECTRIC HEATER				
-			1730		-	-	39	40	-	-		1730	-				
ELECTRIC HEATER				1730	20	2	41	42	2	20		1730	ELECTRIC HEATER				
-		1730			-	-	43	44	-	-	1730		-				
ELECTRIC HEATER			1730		20	2	45	46	2	20			ELECTRIC HEATER				
-				1730	-	-	47	48	-	-		1730	-				
ELECTRIC HEATER	1730				20	2	49	50	2	20	1730		ELECTRIC HEATER				
-			1730		-	-	51	52	-	-		1730	-				
ELECTRIC HEATER				1730	20	2	53	54	2	20		1730	ELECTRIC HEATER				
-		1730			-	-	55	56	-	-	1730		-				
SPACE			-	-	-	1	57	58	1	-		-	SPACE				
SPACE			-	-	-	1	59	60	1	-		-	SPACE				
TOTALS	17300	15570	15570								17300	15570	15570	TOTALS			

CONNECTED PHASE LOADS		
PHASE	VA	AMPS
A	34,600	288.1
B	31,140	259.3
C	31,140	259.3
TOTALS	96,880	268.9

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PANEL DESIGNATION: P1							CIRCUIT #	MAIN LUG AMPS: 225				SCCR RATING (AIC): 35,000			
MOUNTING: SURFACE								MAIN BREAKER: M.L.O.							
LOCATION: MECH 104								VOLTAGE: 208/120							
								PHASE/WIRE: 3Ø, 4W							
DESCRIPTION	PHASE			C/B				C/B		PHASE				DESCRIPTION	
	A	B	C	TRIP	POLE	POLE	TRIP	A	B	C					
REC-KITCHEN -GFI	1080			20	1	1	2	1	20	1200			WALK-IN COOLER-GFI		
PORTABLE OIL FILTER-GFI		1800		20	1	3	4	2	30		2670		COOLER CONDENSER		
BAG-IN-BOX SYSTEM-GFI			1800	20	1	5	6	-	-		2670				
W/S WORK TABLE-GFI	1800			20	1	7	8	1	20	1800			COOLER COIL		
S/S WORK TABLE-GFI		1800		20	1	9	10	1	20	1200			FREEZER-GFI		
HAND MIXER-GFI			1200	20	1	11	12	2	35		3040		FREEZER CONDENSER		
FOOD SLICER-GFI	180			20	1	13	14	-	-	3040			-		
FOOD PROCESSOR-GFI		1440		20	1	15	16	2	20		1800		FREEZER COIL		
ICE MAKER-GFI			1450	20	2	17	18	-	-		1800		-		
-	1450			-	-	19	20	2	20	1800			DRAIN LINE HEATER-GFI		
MEGA TOP PREP REF-GFI		340		20	1	21	22	-	-	1800			-		
HEAT LAMP-GFI			1600	20	1	23	24	1	20		1200		BEER COOLER-GFI		
REC-KITCHEN-GFI	540			20	1	25	26	2	20	1940			BEER COOLER CONDENSER		
REFRIGERATED WORKTOP-GFI		580		20	1	27	28	-	-	1940			-		
PANINI GRILL-GFI			1600	20	2	29	30	1	20		1800		BEER COOLER COIL		
-	1600			-	-	31	32	1	20	720			REFRIGERATED EQUIP STAND-GFI		
REFRIGERATED WORKTOP-GFI		240		20	1	33	34						SHUNT TRIP		
HEAT LAMP-GFI			2800	30	1	35	36	1	20		1440		BATTERY FRYER-GFI		
FOOD WARMER-GFI	1000			20	1	37	38	1	20				SHUNT TRIP		
REC-KITCHEN -GFI		540		20	1	39	40	1	20	1800			EXHAUST HOOD		
HEAT LAMP-GFI			2800	25	1	41	42	1	20		1800		EXHAUST HOOD		
REC-KITCHEN -GFI	360			20	1	43	44	1	20	220			UNDERCOUNTER FREEZER-GFI		
PREP REFRIGERATOR-GFI		700		20	1	45	46	1	20	280			UNDERCOUNTER FRIDGE-GFI		
HOOT FOOD SERVING-GFI		1500		20	1	47	48	1	20		290		SODA DISPENSER-GFI		
SPARE-GFI	-	-	-	1	49	50	1	20	720				REFRIGERATED EQUIP STAND-GFI		
PREP REFRIGERATOR-GFI		720		20	1	51	52	1	-	-			SHUNT TRIP		
UNDER COUNTER FREEZER-GFI			220	20	1	53	54	3	40		3430		MULTICOOK OVEN-GFI		
SPACE	-	-	-	-	1	55	56	-	-	3430			-		
SPACE	-	-	-	-	1	57	58	-	-	3430			-		
SPACE-GFI	-	-	-	-	1	59	60	1	-	-			SHUNT TRIP		
TOTALS	8010	8160	14970							14870	14520	17470	TOTALS		

CONNECTED PHASE LOADS		
PHASE	VA	AMPS
A	22,880	190.5
B	23,080	192.2
C	32,440	270.1
TOTALS	78,400	217.6

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