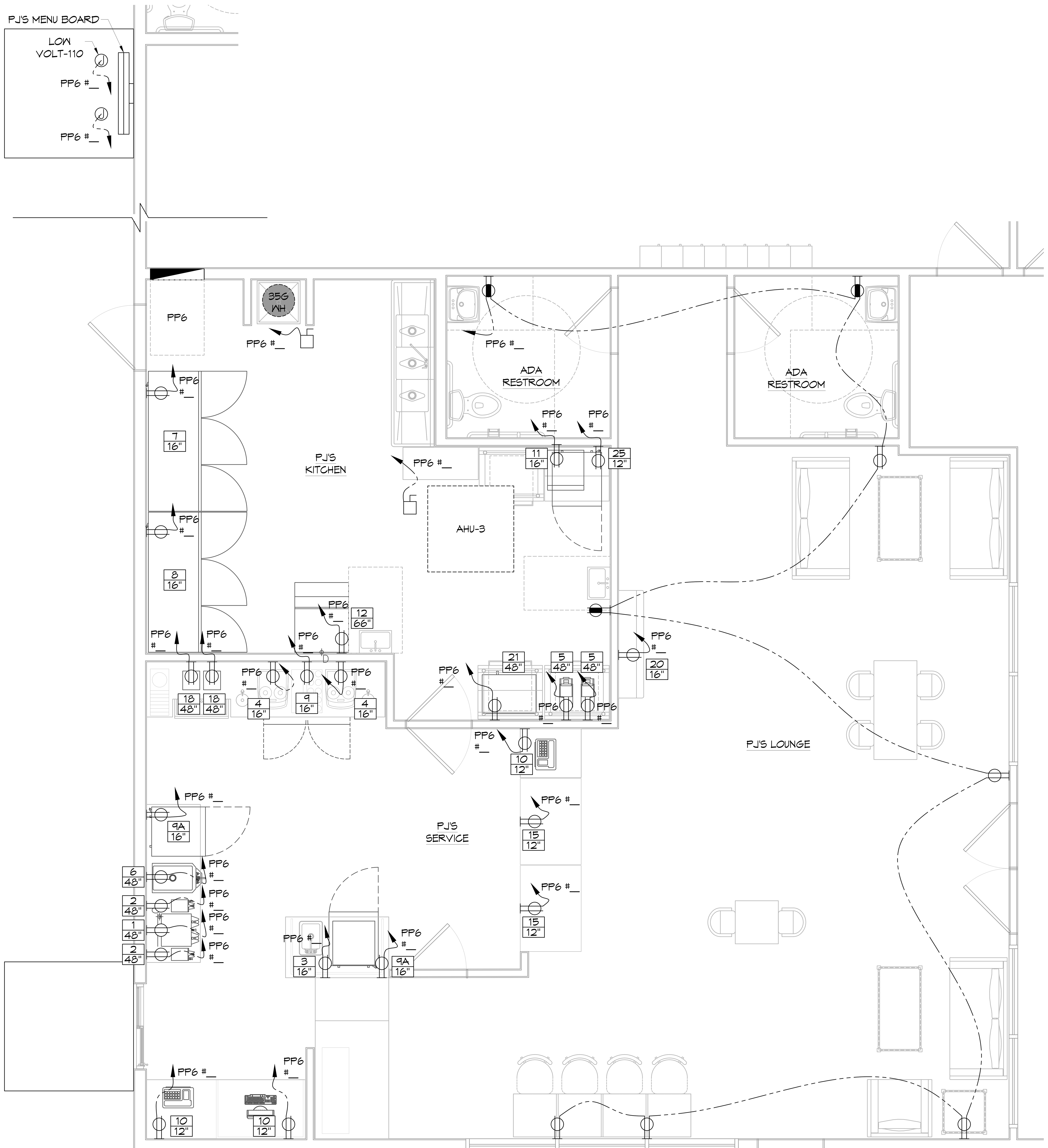
FILE NAME: J:\ - Commercial\Prestige Fitness Gym Diamond Head\Drawings\Working Drawings\E201 - PJ's Power Plans.dwg PLOT DATE & TIME: Wednesday, January 12, 2022 12:17:03 PM



158 PJ'S COFFEE POWER PLAN
SCALE: 3/8" = 1'-0"

POWER LEGEND

- STANDARD 120V DUPLEX RECEPTACLE, NEMA 5-2 OR 18" AFF (UNLESS OTHERWISE NOTED)
- GFCI DUPLEX RECEPTACLE
- WP WEATHER-PROOF GFCI DUPLEX RECEPTACLE MOUNTED AT 30" AFF (UNLESS OTHERWISE NOTED)
- FUSED DISCONNECT
- CIRCUIT HOME RUN
- JUNCTION BOX
- 9A / 16" EQU. CALLOUT HEIGHT

KEY NOTES

1. LIGHTING CONTROL PANEL "LCP" 7 POLE RELAY PANEL CONTROLLED BY PHOTOCELL ON ROOF.
2. PROVIDE 120/208V, 3 PHASE, 300 AMP PANEL BOARD FOR POOL EQUIPMENT. POOL EQUIPMENT TO BE INSTALLED BY POOL SUPPLIER.

GENERAL POWER NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE GOVERNING ELECTRICAL CODE AND ALL OTHER INSPECTION DEPARTMENTS HAVING JURISDICTION. OBTAIN CERTIFICATES OR APPROVAL WHERE REQUIRED. ELECTRICAL CONTRACTOR SHALL VERIFY ALL WIRE AND CONDUIT SIZES FOR MECHANICAL EQUIPMENT TO BE INSTALLED.
2. ALL MATERIALS FURNISHED SHALL BE NEW AND SHALL BE U.L. LISTED.
3. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALE DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES AND TELEPHONE OUTLETS, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.
4. PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION.
6. ELECTRICAL CONTRACTOR SHALL COORDINATE INCOMING ELECTRICAL SERVICE WITH UTILITY COMPANY AND INCLUDE IN HIS BID ALL CHARGES AND FEES INCURRED IN MODIFICATIONS.
7. ELECTRICAL CONTRACTOR SHALL COORDINATE THE TELEPHONE INSTALLATION WITH THE TELEPHONE COMPANY AND THE GENERAL CONTRACTOR.
8. ELECTRICAL CONTRACTOR, BEFORE INSTALLING ANY OF THE WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED COLUMNS, HUNG CEILINGS, PLASTER, PARTITIONS, WALLS, ETC. AS SHOWN IN THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS INSTALLED AND IT LATER DEVELOPS THAT SUCH DETAILS OR DESIGN CANNOT BE FOLLOWED, THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL MAKE SUCH CHANGES IN THE WORK AS DIRECTED BY THE ARCHITECT, AS WELL AS TO PERMIT THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS.
9. PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING. ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
10. MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION. MINIMUM SIZE CONDUIT SHALL BE ¾" ELECTRICAL METALLIC TUBING (EMT) FOR INTERIOR USE, ¾" RIGID ALUMINUM FOR EXTERIOR USE ABOVE GRADE AND 1" SCHEDULE 40 PVC, BURIED A MINIMUM OF 18" FOR NON-VEHICLUAR TRAFFIC AREAS, FOR CONDUITS BELOW GRADE . EMT SHALL BE USED WITH METAL STUD CONSTRUCTION AND ALL ASSEMBLY OCCUPANCIES. 6 FT LENGTH MC CABLE IS ALLOWED ABOVE DROPPED CEILING. INTERIOR FITTINGS SHALL BE CAST WHERE EXPOSED ON WALLS, AND EXTERIOR FITTINGS SHALL BE CAST BOXES WITH NEMA 3R COVER(S).
11. CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
12. ALL 120V RUNS LONGER THAN 60 FEET SHALL BE #10 AWG AND 277V RUNS LONGER THAN 150 FEET SHALL BE #10 AWG UNLESS NOTED OTHERWISE.
13. INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WATERPROOF. ALL RECEPTACLES IN A KITCHEN AREA SHALL HAVE GROUND FAULT PROTECTION.
14. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:230-63, NFPR 250-23, 250-71 & 250-72.
15. GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-23b.
16. FUSES SHALL BE ITT CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
17. PROVIDE SERVICES OF A FIRE/SMOKE DETECTION AND ALARM COMPANY TO DESIGN AND INSTALL ALARM SYSTEM TO MEET REQUIREMENTS OF THE STATE FIRE MARSHALL AND THE FIRE DISTRICT.
18. EXTERIOR LIGHTING SHALL BE SHADED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE IS CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED ONE FOOT CANDLE AS MEASURED AT THE ABUTTING PROPERTY LINE.
19. ALL ELECTRICAL, MECHANICAL AND PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)
20. VERIFY ELECTRICAL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.

PJ'S COFFEE KITCHEN EQUIPMENT ELECTRICAL REQUIREMENTS

NO	QTY	ITEM	V	PH	A	CON SIZE	COMMENTS
1	1	TWIN COFFEE BREWER	208	1	34.5	3/4"C: (3) #8 AWG AND G	CONTRACTOR SHALL PROVIDE NEMA 6-50R WITH PLUG AND ASSEMBLY CORD, 208V, VERIFY HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION.
2	2	SATELLITE WARMER STAND	120	1	1	3/4"C: (2) #12 AWG AND G	CONTRACTOR SHALL PROVIDE DEDICATED DUPLEX RECEPTACLE, NEMA 5-20R, 120V, VERIFY HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION.
3	1	MICROWAVE CONVECTION OVEN	208	1	30	3/4"C: (3) #8 AWG AND G	CONTRACTOR SHALL PROVIDE NEMA 6-30R RECEPTACLE FOR CONNECTION. VERIFY HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION.
4	2	ESPRESSO /CAPPUCCINO MACH.	208	1	30	3/4"C: (3) #8 AWG AND G	CONTRACTOR SHALL PROVIDE NEMA 6-30R RECEPTACLE FOR CONNECTION. VERIFY HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION.
5	2	COFFEE GRINDER	120	1	9	3/4"C: (3) #12 AWG AND G	CONTRACTOR SHALL PROVIDE DEDICATED DUPLEX RECEPTACLE, NEMA 5-20R, 120V, VERIFY HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION.
6	1	FROZEN DRINK MACHINE	120	1	16	3/4"C: (2) #12 AWG AND G	CONTRACTOR SHALL PROVIDE NEMA 5-20R RECEPTACLE, EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
7	1	REACH-IN REFRIGERATOR	120	1	7.5	3/4"C: (2) #12 AWG AND G	CONTRACTOR SHALL PROVIDE DEDICATED DUPLEX RECEPTACLE, NEMA 5-20R, 120V, VERIFY HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION.
8	1	REACH-IN FREEZER	120	1	14	3/4"C: (2) #12 AWG AND G	CONTRACTOR SHALL PROVIDE DEDICATED DUPLEX RECEPTACLE, NEMA 5-20R, 120V, VERIFY HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION.
9	1	UNDER COUNTER REFRIGERATOR	120	1	7.9	3/4"C: (2) #12 AWG AND G	CONTRACOR SHALL PROVIDE A DUPLEX RECEPTACLE. NEMA 5-20R, 120V, VERIFY HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION.
9A	3	UNDER COUNTER REACH-IN REFRIGERATOR	120	1	3.5	3/4"C: (2) #12 AWG AND G	CONTRACOR SHALL PROVIDE A DUPLEX RECEPTACLE. NEMA 5-20R, 120V, VERIFY HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION.
10	2	POS SYSTEM	120	1	15	3/4"C: (2) #12 AWG AND G	CONTRACTOR TO CONFIRM SERVICE/DATA REQUIREMENTS WITH PROVIDER, NEMA 5-20R, VERIFY HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION.
11	1	VENTLESS FRYER	208	1	23	3/4"C: (3) #8 AWG AND G	CONTRACTOR SHALL PROVIDE NEMA 6-30R RECEPTACLE FOR CONNECTION. VERIFY HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION.
12	1	ICE MACHINE WITH BIN & FILTER	120	1	11	3/4"C: (2) #12 AWG AND G	CONTRACTOR SHALL PROVIDE NEMA 5-20R WITH PLUG AND ASSEMBLY CORD, 120V, VERIFY HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION.
15	2	SELF SERVICE MERCHANDISER	208	1	10.2	3/4"C: (2) #12 AWG AND G	CONTRACTOR SHALL PROVIDE DEDICATED DUPLEX RECEPTACLE, NEMA 5-20R, 120V, VERIFY HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION.
18	2	BLENDER	120	1	15	3/4"C: (2) #12 AWG AND G	CONTRACTOR SHALL PROVIDE DEDICATED DUPLEX RECEPTACLE, NEMA 5-20R, 120V, VERIFY HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION.
20	1	RETAIL MECHANDISER	120	1	12	3/4"C: (2) #12 AWG AND G	CONTRACTOR SHALL PROVIDE DEDICATED DUPLEX RECEPTACLE, NEMA 5-20R, 120V, VERIFY HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION.
21	1	CONVECTION OVEN-HALF SIZE	208	3	24	3/4"C: (4) #10 AWG AND G	CONTRACTOR SHALL PROVIDE DEDICATED DUPLEX RECEPTACLE, NEMA 5-20R, 120V, VERIFY HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION.
25	1	UNDERCOUNTER FREEZER	120	1	5.3	3/4"C: (2) #12 AWG AND G	CONTRACTOR SHALL PROVIDE NEMA 6-30R WITH PLUG AND ASSEMBLY, 208V, VERIFY LOCATON WITH ARCHITECT PRIOR TO INSTALLATION.

NOTE:
VERIFY ALL EQUIPMENT REQUIREMENTS WITH THE EQUIPMENT VENDOR PRIOR TO ROUGH-IN.
VERIFY LOCATION AND MOUNTING HEIGHT OF ELECTRICAL DEVICES PRIOR TO INSULATION.

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REVISIONS		
#	DESCRIPTION	DATE

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PRESTIGE FITNESS CLUB AND SPA
4422 KALANI DRIVE
HANCOCK COUNTY, MISSISSIPPI

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