



ISSUE
01/29/21 ISSUED FOR PERMIT
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ELECTRICAL GENERAL NOTES:

- (FOR SHEET E2.1)
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF ALL ELECTRICAL OUTLETS.
 - EACH CONDUIT SHALL BE LIMITED TO (3) CIRCUITS MAXIMUM.
 - NO MORE THAN THREE SINGLE PHASE CIRCUITS AND NO MORE THAN SIX CURRENT CARRYING CONDUCTORS SHALL BE INSTALLED IN A SINGLE RACEWAY. WHEN FOUR, FIVE, OR SIX CURRENT CARRYING CONDUCTORS ARE INSTALLED IN A SINGLE RACEWAY, THEIR CURRENT CARRYING CAPACITIES SHALL BE DERATED AS REQUIRED BY THE NEC FOR NON-OVERLAPPING RACEWAYS. THE DERATING SHALL BE BASED ON THE LARGER OF THE RATING OF THE CONDUCTORS OR THE RATING OF THE RACEWAY. NEUTRAL CONDUCTORS SHALL BE CONSIDERED A CURRENT CARRYING CONDUCTOR IN ALL NON-UNDER LOADED CIRCUITS AS REQUIRED BY THE NEC.
 - VERIFY MOUNTING HEIGHTS OF RECEPTACLES WITH CASEWORK ELEVATIONS PRIOR TO ROUGH-IN. REFER TO ARCHITECTURAL DRAWINGS FOR ROOM ELEVATIONS AND CASEWORK ELEVATIONS. VERIFY MOUNTING HEIGHTS WITHIN RACEWAY UNLESS NOTED OTHERWISE. AT COUNTERTOPS WITH OUT KNEESPACE, LOCATE OUTLETS HORIZONTALLY 6" ABOVE BACK SPLASH, UNLESS NOTED OTHERWISE.
 - ALL RECEPTACLE AND EQUIPMENT BRANCH CIRCUIT CONDUITS SHALL CONTAIN A GROUND WIRE, USING THE CONDUIT SYSTEM AS THE ONLY GROUND PATH IS NOT ACCEPTABLE.
 - ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2008 NATIONAL ELECTRICAL CODE (NEC).
 - REFER TO SHEET E4.1 FOR SYMBOL LEGEND.
 - ALL ELECTRICAL WORK INCLUDED IN THIS PROJECT SHALL MEET THE REQUIREMENTS OF THE 2008 NATIONAL ELECTRICAL CODE (NEC).
 - TEMPORARY POWER & HEAT ARE PROVIDED BY OTHERS.

ELECTRICAL KEYED NOTES:

- (FOR SHEET E2.1)
- 2" x 4" x 3/4" THICK PLYWOOD TELEPHONE BACKBOARD, EXTEND (1) 2" FROM THE WALL TO THE CENTER OF THE FIELD. THE FIELD SHALL BE THE RESPONSIBILITY OF THE TELEPHONE COMPANY CABINET. TENANT OR HIS/HER TELEPHONE VENDOR IS RESPONSIBLE FOR ALL WIRING ASSOCIATED WITH TELEPHONE/DATA SYSTEMS.
 - 120/240V, 3ø 4W PANELEBOARD LIT. REFER TO SHEET E3.1 FOR PANEL SCHEDULE INFORMATION.
 - 120/240V, 1ø 2W PANELEBOARD LIT. REFER TO SHEET E3.1 FOR PANEL SCHEDULE INFORMATION.
 - ALL 15ø/1P AND 20ø/1P RECEPTACLES WITHIN KITCHEN AND SERVING AREAS SHALL BE GFCI PROTECTED PER NEC.
 - NEW TENANT METER, C.T. & SERVICE GUTTER. REFER TO Riser DIAGRAM ON SHEET E3.1 FOR MORE INFORMATION.
 - PROVIDE LEADON #800-108 240V MAX RELAY CABINET. REFER TO DETAIL #2 ON SHEET E1.1 FOR MORE INFORMATION.
 - PROVIDE EDWARDS ADAPTERBUZZER "340A SERIES" WITH 24V LOW VOLTAGE TRANSFORMER.
 - PROVIDE EDWARDS ADAPTERBUZZER "340A SERIES" WITH 24V LOW VOLTAGE TRANSFORMER.
 - FILED VERIFY EXACT LOCATION AND ACCESS FOR TENANT SIGNAGE.
 - MOUNTED AT +64" FOR TELEVISION.
 - JUNCTION BOX FOR GAS SOLENOID VALVE SHUT-OFF. VERIFY EXACT LOCATION WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
 - 120/240V, 1ø 2W PANELEBOARD LIT. REFER TO SHEET E3.1 FOR PANEL SCHEDULE INFORMATION.
 - ROOF MOUNTED WEATHERPROOF SERVICE RECEPTACLE.

EXISTING SERVICES NOTE

THIS IS AN EXISTING RESTAURANT TO BE REMODELLED TO OWNER SPECIFICATIONS. IT IS THE OWNER'S INTENT TO REUSE EXISTING UTILITIES WHEREVER POSSIBLE. SOME NEW UTILITIES WILL BE REQUIRED. CONNECTIONS INFORMATION IS AS NEEDED FOR EQUIPMENT TO BE SUPPLIED BY THE KITCHEN EQUIPMENT CONTRACTOR AND/OR THE OWNER. PLEASE VERIFY THE LOCATIONS AND SUITABILITY OF THE EXISTING SERVICES ON SITE AND CONFIRM WITH THE OWNER THE ACTUAL EQUIPMENT TO BE SUPPLIED. CORRECT AND CODE COMPLIANT CONNECTIONS AND NEW SERVICES REQUIRED ARE THE RESPONSIBILITY OF THE APPROPRIATE MECHANICAL CONTRACTOR.

FIRE SYSTEM NOTE

INSTALLATION OF THE FIRE PROTECTION SYSTEMS REQUIRES THAT ALL POWER TO UNDERHOOD APPLIANCES AND/OR CONVENIENCE SERVICE AUTOMATICALLY SHUTOFF IN EVENT OF A SHORT CIRCUIT OR OVERCURRENT. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS INCLUDING SHUNT BREAKERS, CONTACTORS, INTERCONNECTING WIRING ETC. TO INSURE PROPER SYSTEM OPERATIONS.

ELECTRICAL/MECHANICAL NOTES

- ALL OUTLETS AND CONNECTIONS SHALL BE TO FLOORSPACE SYSTEMS AND EQUIPMENT ONLY. RECOMMENDED CONDUIT LOCATIONS ARE SHOWN AND MAY BE GROUPED FOR LOWER FLOORSPACE SYSTEMS ON A NORMAL BASIS. ALL CONDUITS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2008 NATIONAL ELECTRICAL CODE (NEC).
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL ROUGH-IN AND FINAL CONNECTION TO THE FLOORSPACE EQUIPMENT, INCLUDING LABOR AND MATERIALS.
- ALL JUNCTION HANDY BOXES, METAL CONDUIT, WIRING, THE EQUIPMENT CONNECTIONS, CONDUITS AND OTHER ACCESSORIES THAT ARE NOT AN INHERENT PART OF THE FLOORSPACE EQUIPMENT SHALL BE N.E.M.F. RATED AND UL APPROVED FOR MANUFACTURED AND/OR DERIVATED EQUIPMENT. ALL CONDUITS SHALL BE N.E.M.F. RATED AND UL APPROVED FOR THE PROTECTION SHUT OFF OF ALL UNDERHOOD EQUIPMENT AND/OR OUTLETS.
- WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE 2008 NATIONAL ELECTRICAL CODE (NEC) AND ALL OTHER APPLICABLE CODES AND REGULATIONS.
- ALL RECEPTACLES AND/OR CONTACTS FOR THE EXHAUST EXHAUST AND SHUNT FANS AND COOLERS AND FREEZER AND ICE MACHINE CONDENSING UNITS AS WELL AS HEATED CONTROL WIRING BETWEEN INTERNAL AND EXTERNAL SCALDED GROUND CIRCUITS AND INTERCONNECTED WIRING AND BOXES IN LOCATIONS AS REQUIRED FOR THE RECEPTACLE AND PRINTER POINT-OF-SALE SYSTEMS AS FURNISHED BY THE OWNER. CONFIRM SYSTEM REQUIREMENTS WITH THE OWNER.
- DIMENSIONS SHOWN ARE FROM FINISHED FLOOR AND FINISHED WALL TO THE CENTERLINE OF OUTLET.
- WHEN APPLICABLE, THE ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AND WIRING, INSTALL ELECTRICAL COMPONENTS AND CONTROL PANELS TO MATCH THE VENDOR'S AND MANUFACTURER'S INSTRUCTIONS.
- PROVIDE ALL WIRING TO THE CONTROL SYSTEM ON THE ROOF. ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE 2008 NATIONAL ELECTRICAL CODE (NEC) AND ALL OTHER APPLICABLE CODES AND REGULATIONS.
- LOW TEMPERATURE COMPRESSORS AND COOLERS/REFRIGERATORS FOR FAN MOTORS AND DEFROST POWER SOURCE.
- CONDENSING UNITS SHALL BE VERIFIED BY CONTRACTOR AND ADJUSTED AS REQUIRED BY FLOORSPACE SYSTEMS WHEN REFERRED TO ARCHITECTURAL/MECHANICAL DRAWINGS FOR COOLERS, TIME CLOCKS AND COMMUNICATION SYSTEMS WHEN REFERRED TO ARCHITECTURAL/MECHANICAL DRAWINGS.
- VERIFY ALL ELECTRICAL CHARACTERISTICS SHOWN WITH THE ARCHITECTURAL DRAWINGS.
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KEY

SYMBOLS

○ DIRECT RECEPTACLE - 120V

○ SINGLE RECEPTACLE

□ JUNCTION BOX - HARD WIRED

⊗ SWITCH

ABBREVIATIONS

VOLT - VOLTAGE

PH - PHASE

HW - HARD WIRE BOX

DB - DIRECT RECEPTACLE

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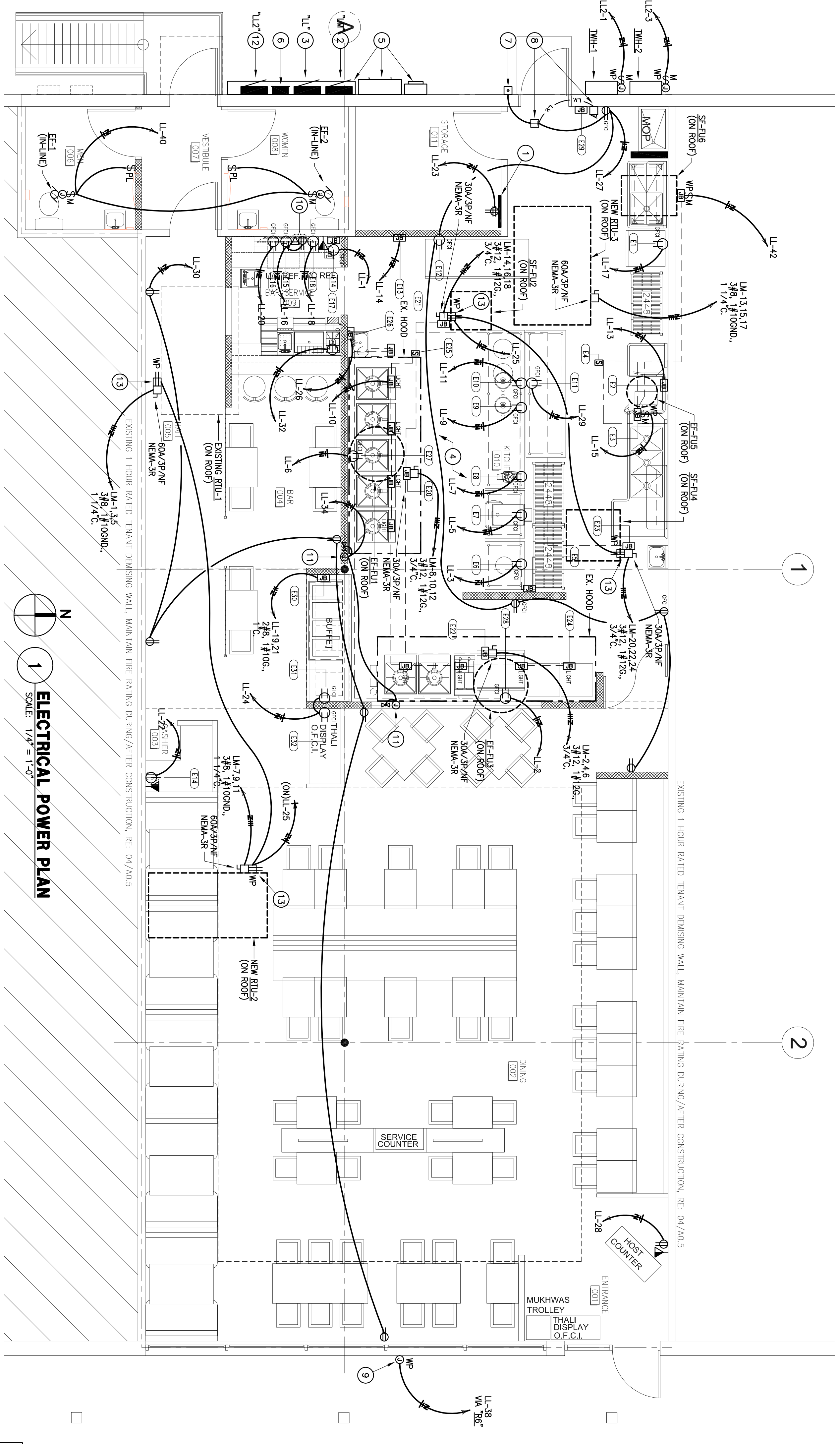
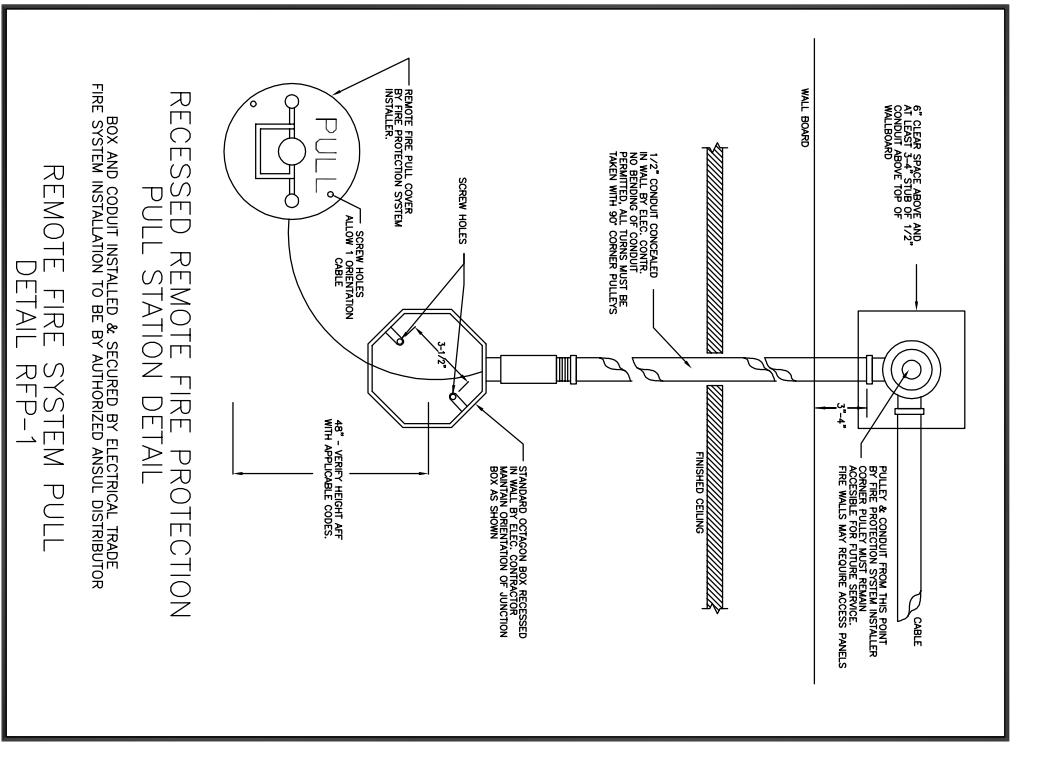
AF - ABOVE FINISHED FLOOR

DFA - DROP FROM ABOVE

EC - ELECTRICAL CONTRACTOR

KC - KITCHEN EQUIPMENT CONTRACTOR

GC - GENERAL CONTRACTOR



ELECTRICAL POWER PLAN

ELECTRICAL ROUGH-IN SCHEDULE

CONV. NO.	ITEM NO.	ITEM DESCRIPTION	VOLUME/FM	QTY	LOCATION	COMMENTS
E1	005	FREEZER	120/1	7.2 AMP	DR	12"
E2	009	DISHWASHER	120/1	11.4 AMP	DR	12"
E3	010	DW HOOD - EXH FAN (E15)	120/1	4.1 AMP	HW	ROOF
E4	010	DW HOOD - FAN SWITCH	120/1	CONTR. SW	DR	DR
E5	024	SERVICE DRIP	120/1	SEE BELOW	JB	12"
E6	024	JUICER	120/1	6.0 AMP	DR	TABLE
E7	022	GRINDER	120/1	8.4 AMP	DR	TABLE
E8	020	PROCESSOR	120/1	7.0 AMP	DR	TABLE
E9	019	RICE COOKER	120/1	12.9 AMP	DR	TABLE
E10	019	RICE COOKER	120/1	12.9 AMP	DR	TABLE
E11	025	REFRIGERATOR	120/1	SEE NOTES	DR	TABLE
E12	025	REFRIGERATOR	120/1	12.1 AMP	DR	12"
E13	026	ICE MACHINE	120/1	12.7 AMP	HW	72"
E14	041	REGISTERS/PIS TERMINALS	120/1	20 AMP	SR/UB	VERIFY
E15	036	CONVENIENCE OUTLET	120/1	SEE NOTES	DR	48"
E16	036	REFRIGERATOR	120/1	7.0 AMP	DR	12"
E17	036	REFRIGERATOR	120/1	7.0 AMP	DR	12"
E18	036	REFRIGERATOR	120/1	7.0 AMP	DR	12"
E19	036	REFRIGERATOR	120/1	7.0 AMP	DR	12"
E20	027	HOOD - EXHAUST FAN - FUJ	208/3	3.3 AMP	HW	ROOF
E21	027	HOOD - SUPPLY FAN - FUJ	208/3	3.3 AMP	HW	ROOF
E22	027	HOOD - EXHAUST FAN - FUJ	208/3	4.7 AMP	HW	ROOF
E23	027	HOOD - SUPPLY FAN - FUJ	208/3	3.3 AMP	HW	ROOF
E24	027	HOODS - LIGHTS (8)	120/1	800 WATT	HW	120"
E25	027	HOODS - FAN/LIGHTS	120/1	CONTR. SW	HW	120"
E26	028	FIRE SUPPRESSION SYSTEM	120/1	CONTR. SW	HW	120"
E27	028	CONVENIENCE OUTLET	120/1	SEE NOTES	DR	12"
E28	028	CONVENIENCE OUTLET	120/1	SEE NOTES	DR	12"
E29	028	FIRE SYS - REMOTE PULL	208/1	30.8 AMP	HW	54"
E30	034	BRAIN MARLE HOT WELLS	208/1	30.8 AMP	HW	12"
E31	034	CONVENIENCE OUTLET	120/1	SEE NOTES	DR	12"
E32	034	CONVENIENCE OUTLET	120/1	SEE NOTES	DR	42"

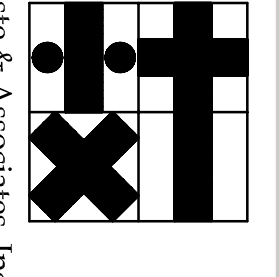
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PROJECT NUMBER
11078

SHEET NAME
ELECTRICAL POWER PLAN

SHEET NUMBER



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E2.1