



**EXISTING POWER RISER DIAGRAM**  
NOT TO SCALE

CRT TRIP NO.	LOAD SERVED	LOAD VA	CRT TRIP NO.	LOAD SERVED
1	ICE MAKER	287.9	2	CONNECTION MICROWAVE
3	REFRIG. PREP TABLE	287.9	4	CONNECTION MICROWAVE
5	WORK TOP REFRIG.	287.9	6	CONNECTION MICROWAVE
7	RICE COOKER	156.0	8	CONNECTION MICROWAVE
9	RICE COOKER	156.0	10	CONNECTION MICROWAVE
11	SUSHI ROBOT	40.0	12	CONNECTION MICROWAVE
13	REFRIG. PREP TABLE	287.9	14	CONNECTION MICROWAVE
15	RICE COOKER	156.0	16	CONNECTION MICROWAVE
17	RICE COOKER	156.0	18	CONNECTION MICROWAVE
19	WASH ROBOT	240.0	20	CONNECTION MICROWAVE
21	CONV. OUTLET	40.0	22	CONNECTION MICROWAVE
23	DRINK DISPLAY CHR.	287.9	24	CONNECTION MICROWAVE
25	DRINK DISPLAY	353.9	26	CONNECTION MICROWAVE
27	CARRY OUT	353.9	28	CONNECTION MICROWAVE
29	KAFEN CONNECTOR	200.0	30	CONNECTION MICROWAVE
31	KAFEN CONNECTOR	189.0	32	CONNECTION MICROWAVE
33	BREVERAGE REF.	118.0	34	CONNECTION MICROWAVE
35	P.O.S.	38.0	36	CONNECTION MICROWAVE
37	CONV. OUTLET	156.0	38	CONNECTION MICROWAVE
39	CONV. OUTLET	156.0	40	CONNECTION MICROWAVE
41	BREVERAGE REF.	118.0	42	CONNECTION MICROWAVE
TOTAL		1847.9	6027.9 VA	

**GENERAL ELECTRICAL NOTES**

- THE ELECTRICAL PLANS ARE DIAGRAMATIC ONLY. REFER TO ARCHITECTURAL PLANS FOR EXACT DIMENSIONS OF THE BUILDING, REFER TO MECHANICAL OR PLUMBING PLANS FOR EXACT LOCATION OF THE EQUIPMENT.
- PROVIDE DISCONNECT SWITCHES/STARTERS IF NOT FURNISHED INTEGRAL WITH THE MECHANICAL EQUIPMENT. SIZE DISCONNECT SWITCH/STARTER AS RECOMMENDED BY EQUIPMENT MANUFACTURER.
- CONTRACTOR SHALL VERIFY ALL EQUIPMENT REQUIREMENTS BEFORE INSTALLING CONDUIT OR CONDUCTORS FROM POWER SOURCE TO EQUIPMENT TERMINATION.
- ALL EMPTY RACKWAYS FOR USE BY OTHER TRADES SHALL BE PROVIDED WITH NYLON PULL STRING.
- ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL LOCAL CODES HAVING JURISDICTION.
- ALL WIRE SIZES ARE BASED ON COPPER CONDUCTORS.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL WIRES NECESSARY FOR THE PROPER FUNCTION OF THE SYSTEM.
- CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMISSION OF BID. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING EQUIPMENT AND CONDUITS AND THE SCOPE OF THE MODIFICATIONS TO THE PRESENT JOB AND THE EFFECT OF THOSE MODIFICATIONS.
- ALL WIRING SHALL BE INSTALLED IN CONDUIT. CONDUCTORS SHALL BE TYPE THW OR THWN. MINIMUM WIRE SIZE SHALL BE #12 AWG. MINIMUM CONDUIT SIZE SHALL BE 3/4"
- ALL WIRING DEVICES SHALL BE SPECIFICATION GRADE.
  - LIGHT SWITCH SHALL BE 20A 120V-277V.
  - DUPLEX RECEPTACLES SHALL BE 20A, 125V, 2P, 3W, NEMA 5-20R UNLESS NOTED OTHERWISE ON THE DRAWINGS.
  - DEVICE AND COVERPLATE FINISHES BE SELECTED BY ARCHITECT
- PROVIDE SINGLE COVERPLATE IN ALL AREAS WHERE DEVICES ARE GANGED.
- CONDUCTOR SIZES ARE BASED ON 75°C TEMPERATURE RATING. CONTRACTOR TO VERIFY THE TERMINAL RATING OF CIRCUIT BREAKER AND THE LOAD TERMINATION POINT, ADJUST AMPACITY OF THE CONDUCTOR ACCORDINGLY.

**SYMBOL LIST**

- ① INDICATES DRAWING NOTE
- Ⓜ INDICATES EQUIPMENT SEE EQUIPMENT SCHEDULE.
- ▬ 120/208V PANELBOARD.
- ▨ 277/480V PANELBOARD.
- Ⓜ DRY TYPE TRANSFORMER. SIZE AS NOTED ON SCHEDULE OR DRAWINGS.
- Ⓜ CONDUIT UP.
- Ⓜ CONDUIT DOWN.
- Ⓜ CONDUIT CONCEALED UNLESS OTHERWISE SPECIFIED.
- Ⓜ CONDUIT BELOW SLAB.
- Ⓜ BRANCH CIRCUIT HOOKUP TO PANELBOARD. ARROWS INDICATE NUMBER OF HOOKUPS TO PANELBOARD. CROSS MARKS (X) TICK MARK INDICATES GROUND CONDUCTOR. PROVIDE EQUIPMENT GROUND PER N.E.C. WHERE NOT INDICATED.
- Ⓜ BRANCH CIRCUIT WIRING CONCEALED IN CEILING, FLOOR OR WALLS. CROSS MARKS AND NUMERALS INDICATE NUMBER AND SIZE OF CONDUCTORS RESPECTIVELY. 3-#12 A.W.G. NOT NOTED. PROVIDE EQUIPMENT GROUND PER N.E.C.
- Ⓜ DUPLEX RECEPTACLE: 20A-125V-2P, 3W. MOUNTING HEIGHT +18" A.F.F. UNLESS OTHERWISE NOTED. SUBSCRIPTS ADJACENT TO RECEPTACLE SYMBOL INDICATE THE FOLLOWING:
  - GN - GROUND FAULT INTERRUPTING
  - Ⓜ - SHARED GROUND
  - DED - DEDICATED CIRCUIT
- Ⓜ SINGLE RECEPTACLE: 20A, 125V, 2P, 3W. MOUNTING HEIGHT +18" A.F.F. UNLESS OTHERWISE NOTED.
- Ⓜ FLOOR MOUNTED RECEPTACLE
- Ⓜ COMBINATION TELEPHONE/DATA OUTLET BOX. WALL MOUNTED WITH 1/2" AIR GAP. CONDUCTORS TO BE PROVIDED IN SINGLE GROUND WITH FLOOR STRAPS. (1) 3/4" WITH TWO PULL STRINGS AND BELOW SLAB CABLING AND COVERPLATES ARE TO BE PROVIDED AND INSTALLED BY TENANT'S VENDOR.
- Ⓜ WALL OR CEILING MOUNTED JUNCTION BOX.
- Ⓜ FLOOR MOUNTED JUNCTION BOX.

**ABBREVIATIONS**

- \$ SINGLE POLE TOGGLE SWITCH, MOUNTING HEIGHT +47" A.F.F., FROM CENTER OF THE BOX U.O.N. SUBSCRIPTS AT SWITCH. SYMBOL INDICATE THE FOLLOWING:
  - 2 - DOUBLE POLE
  - 3 - THREE WAY
  - 4 - FOUR WAY
  - P - PLOT LIGHT
  - D - DIMMER. DIMMER TO BE COMPATIBLE WITH CONTROLLED. THE FIXTURE'S DIMMING BALLAST
  - K - LOCK TYPE
- Ⓜ HEAVY DUTY SAFETY SWITCH, RATING AS NOTED. 60/50 INDICATES 60A SWITCH WITH 50A FUSES. 60/NF INDICATES 60A NON-FUSED SWITCH. POLES AND VOLTAGE AS REQUIRED.
- T/C TIMECLOCK
- P/C PHOTOCELL

SYMBOL	DESCRIPTION
A	AMPS.
AFF	ABOVE FINISHED FLOOR.
EWC	ELECTRICAL WATER COOLER.
E, (E)	EXISTING
R	EXISTING RELOCATED
ER	EXISTING TO BE RELOCATED
RE	EXISTING TO BE REMOVED.
FSS	FUSED SAFETY SWITCH.
HP	HORSEPOWER.
KW	KILOWATTS.
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
N	NEW
NF	NONE FUSED (SAFETY SWITCH)
PH OR ⌀	PHASE.
UON	UNLESS OTHERWISE NOTED.
V	VOLTS.
XFMR	TRANSFORMER

**REVISIONS**

DATE	DESCRIPTION

**FOR REVIEW**

3.12.09

**FLOOR PLAN**

SHEET NO.

**E1.1**

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