

ELECTRICAL EQUIPMENT SCHEDULE											
ITEM NO	QTY	EQUIPMENT CATEGORY	AMPS	KW	HP	VOLTS	PHASE	CYC	PLUG	DIRECT	ELECTRICAL REMARKS
1	1	REACH-IN FREEZER	12		1	115	1	60	X 5-20P		
6	1	EVAPORATOR FOR COOLER	1.3			120	1	60			
7	1	REMOTE CONDENSER FOR COOLER	7.3			208	1	60			
20	1	ICE MAKER W/ ICE BIN	19.4		2.5	208	1	60	X		VERIFY REQUIREMENTS
33	1	WARMWASHER, 0000 TYPE, LOW TEMP	1.3			115	1	60	X		
54	1	60 QT MIXER	12.0		3.0	208	1	60	X		POWER CORD NOT INCLUDED
56	1	OVEN, CONVECTION, ELECTRIC	36.0		7.5	208	1	60	X		
62	1	60 GAL WATER HEATER	4.0			115	1	60	X		
63	1	SODA RACK & CO2 TANK	10.0			115	1	60	X 5-20P		
65	1	REFRIGERATOR, REACH-IN	7.6		1/3	115	1	60	X 5-15P		
66	1	REFRIGERATOR, SANDWICH/SALAD PREP	7.8		1/3	115	1	60	X 5-15P		
68	1	ICED TEA BREWER	16.0		1.9	115	1	60	X 5-20P		
69	1	COFFEE MAKER, AIRPOT, AUTOMATIC	11.4		1.5	115	1	60	X 5-15P		
71	1	SODA FOUNTAIN W/ ICE BIN - DROP IN	4.0			115	1	60	X		BY VENDOR
73	1	ESPRESSO MACHINE	16.0		3.5	208/115	1	60	X 5-15P		PROVIDE SWITCH
74	1	REFRIG., UNDERCOUNTER, COMPACT	5.0		0.2	115	1	60	X 5-15P		
75	3	POS SYSTEM	7.1	0.0		115	1	60	X 5-15P		DEDICATED POWER
85	1	REFRIGERATOR, PIZZA PREP	9.7	0.0		115	1	60	X 5-15P		
94	1	DISPENSER, BEER	8.5	0.0		115	1	60	X 5-15P		
96	1	GLASSWASHER	27.0	0.0		115	1	60	X		
122	1	FOSTER/CHILLER, GLASS/MUG/PLATE	5.8	0.0		115	1	60	X 5-15P		
136	1	WINE REFRIGERATOR/COOLER	7.2	0.0		120	1	60	X 5-15P		
407	1	BACK BAR COOLER	7.7	0.0		115	1	60	X 5-15P		
413	1	CABINET, COOK & HOLD	37.4	7.8		208	1	60	X 6-50P		

TYPE	MFG	CAT. NO.	VOLTS	WATTS	LAMPS	MOUNTING	DESCRIPTION	NOTE
C1	HALO	H149175/NOTES 4,6	120	6W	NOTE 1	RECESSED	4" RECESSED DOWNLIGHT WITH LED LAMP.	
CD1	HALO	H149175/NOTES 4,6	120	NOTE 1	RECESSED	4" RECESSED WALL WASH LAMP.		
C4	LITON LIGHTING	LH7-LLF-GU24	120	10.5W	NOTE 2	RECESSED	6" RECESSED DOWNLIGHT WITH LED LAMP.	
F1	EXISTING	NOTE 6	120	90W	3-32W-18	RECESSED	2x4 FLUORESCENT	
F2	CRESCENT LIGHTING	22FP217FSA1BL2Y	120	40W	2-17W-18	RECESSED	2x2 FLUORESCENT	
F3	ELITE LIGHTING	EU-42	120	26W		SURFACE	UNDERCABINET FUTURE	
F4	CRESCENT LIGHTING	14BMN32FSA1BL2Y	120	2-32W-18		SURFACE	1x4 FLUORESCENT, MOUNT ON CEILING	
P2	AMERITIC LIGHTING	CBP	120	25T8/CL/N	25W	PENDANT	CUSTOM BOTTLE LIGHT PENDANT	
P3	AMERITIC LIGHTING	CBP	120	25T8/CL/N	25W	PENDANT	CUSTOM BOTTLE LIGHT PENDANT	
P6	AMERITIC LIGHTING	CBP	120	25T8/CL/N	175W	PENDANT	CUSTOM BOTTLE LIGHT PENDANT	
P11	AMERITIC LIGHTING	CBP	120	25T8/CL/N	600W	PENDANT	CUSTOM BOTTLE LIGHT PENDANT	
X18	HOWARD LIGHTING PRODUCTS	HL02143-R0	120	LED		CEILING/WALL	COMBINATION EXIT/EMERGENCY WHITE TRIM - KITCHEN ONLY	
X1W	HOWARD LIGHTING PRODUCTS	HL02143-RW	120	LED		CEILING/WALL	COMBINATION EXIT/EMERGENCY WHITE TRIM - KITCHEN ONLY	
X2B	HOWARD LIGHTING PRODUCTS	HL0205B	120	LED		CEILING/WALL	EMERGENCY LIGHT BLACK HOUSING	
X2W	HOWARD LIGHTING PRODUCTS	HL0202SW	120	LED		CEILING/WALL	EMERGENCY LIGHT WHITE TRIM IN KITCHEN ONLY	

NOTES:

1 C1-LED: LIGHTING EMITTING DESIGN NO. LED 4230, MR16, 3000K LED LAMP.

2 C4-LED: CREE NO. C96-GU24, GU24 BASE, 2700K LED LAMP.

3 REFER TO, AND COORDINATE WITH, THE OWNER AND ARCHITECT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.

4 FUTURE IS LOCATED ON SITE WITH TRIM. SOME OF THE FUTURE BASES ARE INSTALLED. INSTALL OR RELOCATE FIXTURES AS REQUIRED.

5 FUTURE UTILIZES A 90 MINUTE EMERGENCY BATTERY BACKUP SYSTEM.

6 FUTURE IS LOCATED ON SITE BUT NOT INSTALLED. INSTALL FUTURE AND MAKE FUNCTIONAL.

ELECTRICAL SYMBOLS												DEVICE MOUNTING HEIGHTS											
<p>NOTE: SOME SYMBOLS IN THIS LIST MAY NOT HAVE BEEN USED FOR THIS PROJECT.</p>												<p>2' x 4' FLUORESCENT LIGHT FIXTURE - SEE LIGHT FIXTURE SCHEDULE.</p> <p>2' x 4' FLUORESCENT LIGHT FIXTURE WITH EMERGENCY BATTERY</p> <p>2' x 4' FLUORESCENT NIGHT LIGHT "NL"</p> <p>1' x 4' FLUORESCENT LIGHT FIXTURE - SEE LIGHT FIXTURE SCHEDULE.</p> <p>RECESSED COMPACT FLUORESCENT DOWNLIGHT - SEE LIGHT FIXTURE SCHEDULE.</p> <p>PENDANT LIGHT FIXTURE - BOTTLE WINE SEE LIGHT FIXTURE SCHEDULE.</p> <p>ROPE LIGHT - SEE LIGHT FIXTURE SCHEDULE.</p> <p>CHANDIEUER LIGHT - SEE LIGHT FIXTURE SCHEDULE.</p> <p>EXIT SIGN /EMERGENCY LIGHT COMBO - SEE LIGHT FIXTURE SCHEDULE.</p> <p>EXIT SIGN WITH BATTERY - SEE LIGHT FIXTURE SCHEDULE.</p> <p>SELF-CONTAINED EMERGENCY LIGHT FIXTURE, TO BE WALL MOUNTED 15" BELOW CEILING UNO, PROVIDE NUMBER OF LAMPS AS SHOWN ON PLANS, SEE LIGHT FIXTURE SCHEDULE FOR DETAILS.</p> <p>UNJUNCTION BOX IN ACCESSIBLE LOCATION.</p> <p>FLEXIBLE CONDUIT EQUIPMENT CONNECTION, PROVIDE GROUND BUSHING AND GROUND CONDUCTOR IN ACCORDANCE WITH THE NEC. PROVIDE WEATHERPROOF FLEXIBLE CONDUIT FOR EQUIPMENT LOCATED OUTSIDE.</p> <p>TWO POLE TOGGLE SWITCH MOUNTED 48" AFF UNO, 20A, 120V OR 277V AS REQUIRED.</p> <p>THREE WAY TOGGLE SWITCH MOUNTED 48" AFF UNO, 20A, 120V OR 277V AS REQUIRED.</p> <p>FOUR WAY TOGGLE SWITCH MOUNTED 48" AFF UNO, 20A, 120V OR 277V AS REQUIRED.</p> <p>MOTOR RATED SWITCH, VOLTAGE AND PHASE RATED WITH THERMAL OVERLOAD PROTECTION, NEMA 3R WHEN LOCATED OUTSIDE.</p> <p>TOGGLE SWITCH WITH PILOT LIGHT MOUNTED 48" AFF UNO, 20A, 120V OR 277V AS REQUIRED.</p> <p>KEY OPERATED SWITCH MOUNTED 48" AFF UNO, 20A, 120V OR 277V AS REQUIRED.</p> <p>DIMMER SWITCH, MOUNTED 48" AFF UNO, SUPERSCRIPT NUMBER INDICATES: 1=1 KW, 2=2 KW, NONE=600 WATTS. DO NOT REMOVE COOLING FINS.</p> <p>MANUAL MOTOR STARTER SWITCH.</p> <p>SINGLE RECEPTACLE.</p> <p>DUPLEX RECEPTACLE.</p> <p>ISOLATED GROUND DUPLEX RECEPTACLE.</p> <p>RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER(GFCI)</p> <p>QUAD RECEPTACLE, TWO DUPLEX RECEPTACLES WITH ONE DEVICE PLATE.</p> <p>MOUNTED 18" AFF UNO.</p> <p>CEILING MOUNTED DUPLEX RECEPTACLE.</p> <p>SPECIAL PURPOSE RECEPTACLE WITH NEMA CONFIGURATION NOTED, I.e. 6-50, 15-20, ETC.</p> <p>MULTI OUTLET ASSEMBLY (MOA), MOUNTED 6" ABOVE COUNTER SPLASH WHERE LOCATED BEHIND COUNTER, OR 12" AFF, UNO.</p> <p>FLUSH FLOOR OUTLET WITH DEVICE SHOWN, PROVIDE WITH BRASS DEVICE PLATE AND CARPET FLANGE, IN CARPETED AREAS. TELEPHONE AND DATA OUTLETS SHALL HAVE 1" CONDUIT (MIN) WITH PULL STRING STUBBED UP INTO ACCESSIBLE CEILING SPACE. PROVIDE CONDUIT BUSHINGS ABOVE CEILING.</p> <p>MICROPHONE OUTLET.</p> <p>CLOCK RECEPTACLE, MOUNTED 80" AFF UNO.</p>											
<p>DATA OUTLET, MOUNT 18" AFF UNO, PROVIDE 3/4" CONDUIT (MIN) WITH PULL STRING STUBBED INTO ACCESSIBLE CEILING SPACE UNO, PROVIDE CONDUIT BUSHING ABOVE CEILING.</p> <p>TELEPHONE OUTLET, MOUNT 18" AFF UNO, PROVIDE 3/4"C, WITH PULL STRING STUBBED INTO ACCESSIBLE CEILING SPACE UNO, PROVIDE CONDUIT BUSHING ABOVE CEILING. PROVIDE #6 CU GROUND PER NEC 800.100.</p> <p>COMBO DATA AND TELEPHONE OUTLETS IN ONE BOX, MOUNT 18" AFF UNO, PROVIDE CONDUIT BUSHING ABOVE CEILING.</p> <p>SPEAKER, PROVIDE SPEAKER, BACKBOX, AND GRILL. VERIFY MOUNTING TYPE AND LOCATION WITH OWNER AND PLANS.</p> <p>OCCUPANCY SENSOR SWITCH</p> <p>TIMECLOCK, 4-POLE SINGLE THROW INTERMATIC MODEL T741BC, OR APPROVED EQUAL, 7 DAY TIME SWITCH IN A NEMA 3R (INDOORS) OR NEMA 3R (OUTDOORS) ENCLOSURE WITH 16 HOUR CARRYOVER.</p> <p>PHOTOCELL SWITCH, MOUNT ABOVE ROOF AND AIM NORTH, INTERMATIC NO. K412IC OR APPROVED EQUAL.</p> <p>TRANSFORMER AS SHOWN ON PLANS.</p> <p>SERVICE ENTRANCE SECTION, SEE ONE-LINE DIAGRAM.</p> <p>MOTOR CONTROL CENTER, SEE ONE-LINE DIAGRAM AND MCC SCHEDULE.</p> <p>TMB - 4"-4"-0"-0"-0"-3/4" FIRE RATED TELEPHONE MOUNTING BOARD MOUNTED 6" BELOW CEILING. PROVIDE WITH #6 SOLID COPPER GROUND PER NEC 800.100.</p> <p>TELEPHONE TERMINAL CABINET, NEMA 3R HINGED DOOR, COORDINATE SIZE WITH SERVING UTILITY, PROVIDE #6 SOLID COPPER GROUND PER NEC 800.100.</p> <p>PANELBOARD, SURFACE OR FLUSH MOUNTED AS NOTED IN PANEL SCHEDULE.</p> <p>INDICATES HOMERUN TO PANELBOARD OR AS NOTED. HASH MARKS INDICATE NUMBER OF PHASE AND NEUTRAL CONDUCTORS, WHERE NO HASH MARKS ARE SHOWN PROVIDE #12 CU, #12 CU, BOND IN 1/2" CONDUIT. WHEN HOMERUN CONDUCTORS ARE LARGER THAN #12, CONDUIT INDICATED SIZE FOR ENTIRE LENGTH OF CIRCUIT. BOND WITH ALL CIRCUITS PER NEC 250.92. PROVIDE ISOLATED GROUND FOR IG RECEPTACLES PER NEC. 250.146.</p> <p>CONDUIT SURFACE MOUNTED, CONCEALED IN WALL OR ABOVE CEILING.</p> <p>CONDUIT ROUTED UNDERGROUND OR UNDER FLOOR SLAB.</p> <p>CONDUIT STUB-OUT, CAP FOR FUTURE USE, IF UNDERGROUND, MARK LOCATION OF STUB-OUT WITH APPROVED MARKER.</p> <p>MOTOR, SIZE AND RATING AS SHOWN, "EF" INDICATES EXHAUST FAN.</p> <p>PREWIRED MOTOR CONTROLLER FURNISHED WITH EQUIPMENT.</p> <p>HEAVY DUTY NON-FUSED DISCONNECT SWITCH, PROVIDE AS NOTED: AMPERAGE/VOLTAGE/NO. OF POLES/ENCLOSURE.</p> <p>HEAVY DUTY FUSED DISCONNECT SWITCH, PROVIDE AS NOTED: AMPERAGE/VOLTAGE/NO. OF POLES/WEATHERPROOF FUSE SIZE AND DESIGNATION.</p> <p>GROUND CONDUCTOR OR ELECTRODE.</p>																							

1. ALL ELECTRICAL CONDUIT, DEVICES AND EQUIPMENT ARE SHOWN DIAGRAMMATICALLY. DO NOT SCALE. CONTRACTOR SHALL FIELD VERIFY ACTUAL LOCATION WITH ARCHITECT OR OWNER PRIOR TO ANY ROUGH IN.

2. ALL CIRCUITS SHALL BE MINIMUM #12 THHN/THWN COPPER WITH #12 COPPER BOND STUBBED INTO ACCESSIBLE CEILING SPACE UNO. PROVIDE CONDUIT BUSHING ABOVE CEILING.

3. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL DEVICE AND LIGHTING FIXTURE FINISHES AND CONFIRM CEILING TYPE WITH THE ARCHITECT PRIOR TO ORDERING ANY FIXTURES.

4. PROVIDE ALL ELECTRICAL WIRING, RACEWAYS, OUTLET AND JUNCTION BOXES, MOTOR STARTERS, DISCONNECT AND CONTROL FOR EQUIPMENT REQUIREMENTS WITH SECTIONS, UNLESS NOTED OTHERWISE. VERIFY EQUIPMENT REQUIREMENTS WITH MANUFACTURER PRIOR TO BID.

5. ALL MATERIALS SHALL BE NEW AND IN GOOD CONDITION, THE PRODUCT OF SUBSTANTIALLY ESTABLISHED AND RECOGNIZED MANUFACTURERS AND APPROVED BY THE ENGINEER.

6. ALL WORK SHALL COMPLY WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE, ANY STATE OR LOCAL ELECTRICAL CODES, AND THE REQUIREMENTS OF THE ELECTRIC UTILITIES WHERE CONFLICTS OCCUR. THE CODE ENFORCED BY THE AUTHORITY HAVING JURISDICTION SHALL APPLY.

7. ELECTRICAL CONTRACTOR SHALL COORDINATE AND MAKE FINAL CONNECTIONS FOR MECHANICAL EQUIPMENT. SIZE ALL FUSES OR CIRCUIT BREAKERS PROTECTING MECHANICAL EQUIPMENT PER EQUIPMENT MANUFACTURERS INSTALLATION INSTRUCTIONS OR APPROVED EQUAL.

8. ALL WIRING DEVICES SHALL BE UL APPROVED, OF THE TYPE AND NUMBER SHOWN ON THE DRAWINGS. ALL NEW RECEPTACLES AND SWITCHES SHALL BE 20 AMP. TRANSFORMER AS SHOWN ON PLANS.

9. SERVICE ENTRANCE SECTION, SEE ONE-LINE DIAGRAM AND MCC SCHEDULE.

10. MOTOR CONTROL CENTER, SEE ONE-LINE DIAGRAM AND MCC SCHEDULE.

11. TMB - 4"-0"x8"-0"x3/4" FIRE RATED TELEPHONE MOUNTING BOARD MOUNTED 6" BELOW CEILING. PROVIDE WITH #6 SOLID COPPER GROUND PER NEC 800.100.

12. TELEPHONE TERMINAL CABINET, NEMA 3R HINGED DOOR, COORDINATE SIZE WITH SERVICING UTILITY. PROVIDE #6 SOLID COPPER GROUND PER NEC 800.100.

13. PANELBOARD, SURFACE OR FLUSH MOUNTED AS NOTED IN PANEL SCHEDULE.

14. INDICATES HOMERUN TO PANELBOARD OR AS NOTED, HASH MARKS INDICATE NUMBER LARGER THAN #12. PROVIDE INDICATED SIZE FOR ENTIRE LENGTH OF CIRCUIT, BOND AND ISOLATED GROUND CONDUCTORS ARE NOT SHOWN. PROVIDE EQUIPMENT BOND WITH ALL CIRCUITS. PER NEC 250.92, PROVIDE ISOLATED GROUND FOR IG RECEPTACLES PER N.E.C. 250.146.

15. CONDUIT SURFACE MOUNTED, CONCEALED IN WALL OR ABOVE CEILING.

16. CONDUIT ROUTED UNDERGROUND OR UNDER FLOOR SLAB.

17. CONDUIT SUB-OUT CAP FOR FUTURE USE, IF UNDERGROUND, MARK LOCATION OF SUB-OUT WITH APPROVED MARKER.

18. MOTOR, SIZE AND RATING AS SHOWN, "EF" INDICATES EXHAUST FAN.

19. PREWIRED MOTOR CONTROLLER FURNISHED WITH EQUIPMENT.

20. HEAVY DUTY NON-FUSED DISCONNECT SWITCH, PROVIDE AS NOTED.

21. HEAVY DUTY FUSED DISCONNECT SWITCH, PROVIDE AS NOTED.

22. AMPERAGE/VOLTAGE/NO. OF POLES/ENCLOSURE.

23. AMPERAGE/VOLTAGE/NO. OF POLES/WEATHERPROOF FUSE SIZE AND DESIGNATION.

24. GROUND CONDUCTOR OR ELECTRODE.

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