LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG #	DESCRIPTION	VOLTS	WATTS	MOUNTING	REMARKS
A1	EATON	24SR-LD2-39-C-UNV-L850-CD1-U	2 X 4 LED RECESSED FIXTURE	120	31.9	LAY-IN GRID	ACRYLIC LENS
A1E	EATON	24SR-LD2-39-C-UNV-EL14W-L850-CD1-RH-U	2 X 4 LED RECESSED EMERGENCY FIXTURE	120	31.9	LAY-IN GRID	ACRYLIC LENS (NOTE 9)
A1FE	EATON	24SR-LD2-39-C-UNV-EL14W-L850-CD1-RH-U/DF-24W-U	2 X 4 LED RECESSED EMERGENCY FIXTURE WITH DRYWALL FLANGE KIT	120	31.9	HARD CEILING	ACRYLIC LENS (NOTE 8 & 9)
D	EATON	RL5602H12950	6' LED CAN LIGHT	120	17.6	RECESSED	
E	LITHONIA	STL4 48L EZ1 LP850	1 X 4 LED VANITY LIGHT FOR BATHROOMS	120	50	WALL	
GG	US LED	DS-402U-2-UNV-QB3-NC-1-L	LED WALL PACK	120	42.5	WALL	WALL PACK
GGE	US LED	DS-402U-2-UNV-QB3-NC-1-L / ILB-CP12-A / RME1	LED WALL PACK / EMERGENCY BATTERY / EMERGENCY CAN	120	42.5	WALL	WALL PACK (NOTE 9)
HH	SECURITY LIGHTING	RWSC-72L-5K-UD-U-DB	EXTERIOR WALL WASH WITH UP AND DOWN LIGHT LED	120	25	WALL	SCONCE
S4	EATON	V4T2-LD4-6-UNV-L850-CD1-WL-U	4' LINEAR VAPORTITE LED STRIP LIGHT	120	57.3	SURFACE	MOUNT TO BOTTOM OF STRUCTURE
T4	EATON	4SNLED-LD5-64HL-UNV-L850-CD1-LOV-U	4' LINEAR LED STRIP LIGHT - HIGH OUTPUT	120	43	SURFACE	MOUNT TO BOTTOM OF STRUCTURE
T4E	EATON	4SNLED-LD5-64HL-UNV-L850-CD1-EL14W-LOV-U	4' LINEAR LED STRIP LIGHT, EMERGENCY	120	43	SURFACE	MOUNT TO BOTTOM OF STRUCTURE (NOTE 9)
X1	LITHONIA	LQM S W 3 R 120/277 EL N M6	LED EXIT SIGN	120	0.62	CEILING/WALL	

1. LIGHT FIXTURES TO BE PROVIDED BY OWNER, INSTALLED AND CONNECTED BY ELECTRICAL CONTRACTOR.
2. PROVIDE ARROWS AND FACES AS INDICATED ON THE DRAWINGS.
3. ELECTRICAL CONTRACTOR SHALL VERIFY ALL FIXTURE LOCATIONS WITH ARCHITECTURAL ELEVATIONS.
4. ELECTRICAL CONTRACTOR SHALL INSTALL ALL CEILING MOUNTED LIGHTING FIXTURES IN LOCATIONS AS INDICATED ON THE ARCHITECTURAL REFLECTED CEILING PLAN.
5. GENERAL CONTRACTOR SHALL PROVIDE FIREPROOFING AROUND RECESSED FIXTURES INSTALLED IN FIRE RATED CEILING PER U.L. REQUIREMENTS, ELECTRICAL CONTRACTOR SHALL COORDINATE.
6. ALL LIGHT FIXTURES SHALL BE SECURED TO THE CEILING FRAMING SYSTEM BY MECHANICAL MEANS (SUCH AS BOLTS, SCREWS, OR RIVETS) OR BY CLIPS IDENTIFIED FOR USE WITH THE TYPE OF CEILING, FRAMING MEMBER, AND LIGHT FIXTURE.
7. EMERGENCY LIGHTS SHALL HUG CEILINGS. IN NON-CEILING STORAGE ROOMS, LOCATE BOTTOM OF FIXTURES AT 12'-0" AFF.
8. PROVIDE DRYWALL FRAME KIT.
9. EMERGENCY FIXTURE WITH EMERGENCY BATTERY.

MDP

EXISTING PANELBOARD

208Y/120V, 3PH, 4W
3000A M.L.O.
65,000 AIC
SURFACE MOUNT
GROUND BAR
ISOLATED GROUND BAR

SERVES: ELECTRICAL SERVICE
LOCATION: BUILDING EXTERIOR
FED FROM: UTILITY TRANSFORMER

CK	LOAD SERVED	WIRE	BRKR	PL	PHASE A		PHASE B		PHASE C		PL	BRKR	WIRE	LOAD SERVED	CK
1	panel lp1 (10)	–	700	3	52.9	20.9					3	400	–	panel lp2 (10)	2
	–			-			50.6	37.1			-			–	
	–			-					52.2	18.2	-			–	
3	panel lp3 (10)	–	225	3	17.3	10.1					3	125	–	panel lp5 (10)	4
	–			-			17.6	7.90			-			–	
	–			-					27.8	9.78	-			–	
5	panel mdp2 (10)	–	1200	3	116.4	51.3					3	600	–	PANEL LP6 (N,14)	6
	–			-			118.5	50.6			-			-	
	–			-					117.7	50.9	-			-	
	TOTAL CONNECTED				268.9		282.3		276.6		KVA				
	TOTAL CONNECTED				2241.2		2352.7		2305.0		AMPS				
	TOTAL LOAD				827.9		KVA		2297.9		AMPS				
	PER NEC ARTICLE 220 FEEDER LOAD				776.3		KVA		2154.9		AMPS				

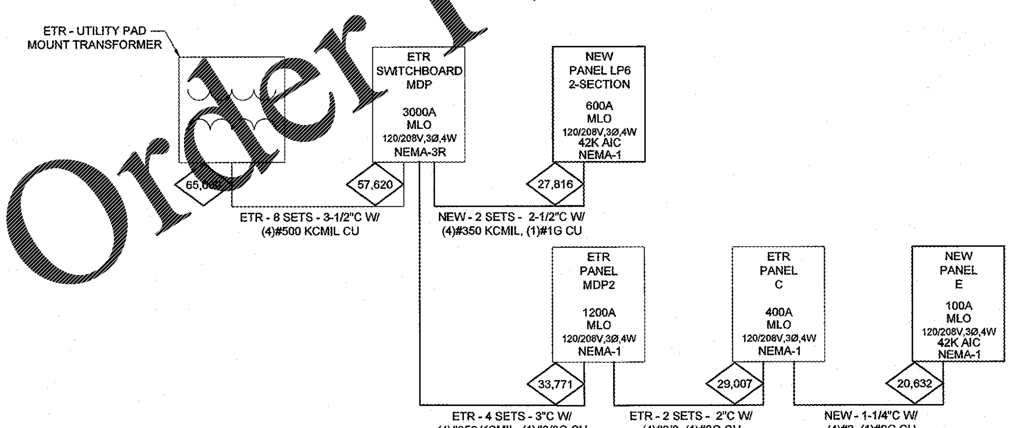
LP6

NEW PANELBOARD

208Y/120V, 3PH, 4W
225A M.L.O.
(42K) AIC, SERIES RATED
FLUSH MOUNT
GROUND BAR

SERVES: LIGHTING & APPLIANCES
LOCATION: LOVE'S LAUNDRY
FED FROM: PANEL MDP
OVERCURRENT DEVICE: 600A

CK	LOAD SERVED	WIRE	BRKR	PL	PHASE A		PHASE B		PHASE C		PL	BRKR	WIRE	LOAD SERVED	CK
1	DWH-2 (N,2)	1	125	3	12.0	9.48					3	100	3	DRYER (N)	2
3	208V/3PH			-			12.0	9.48			-			208V/3PH	4
5	–			-					12.0	9.48	-			–	6
7	RTU-3 (N)	8	40	3	3.36	0.60					3	15	12	WASHER (N)	8
9	208V/3PH			-			3.36	0.60			-				10
11	–			-					3.36	0.60	-				12
13	DRYER (N)	10	30	2	2.38	2.07					2	30	10	ICE MAKER (N,4)	14
15	120/208V/1PH			-			2.38	2.07			-			120/208V/1PH	16
17	DRYER (N)	10	30	2					2.38	2.07	2	30	10	ICE MAKER (N)	18
19	120/208V/1PH			-	2.38	2.07					-				20
21	DRYER (N)	10	30	2			2.38	1.02			1	20	12	POP/ICE DISPENSER (N,4)	22
23	120/208V/1PH			-					2.38	1.02	1	20	12	POP/ICE DISPENSER (N)	24
25	DRYER (N)	10	30	2	2.38	0.36					1	20	12	REC - DRINK BAR (N,4)	26
27	120/208V/1PH			-			2.38	1.44			1	20	12	FROZEN BEVERAGE DISP (N,4)	28
29	WASHER (N,4)	12	20	1					1.44	1.70	1	20	12	ICED TEA DISPENSER (N,4)	30
31	WASHER (N,4)	12	20	1	1.44	1.85					1	20	12	HOT WATER DISPENSER (N,4)	32
33	REC - SHOWERS (N)	12	20	1			0.72	1.66			2	20	12	BEAN TO CUP (N,4)	34
35	REC - CUSTOMER LAUNDRY	12	20	1					0.54	1.66	-			208V/1PH	36
37	REC - MONITORS (N,4)	12	20	1	0.36	1.66					2	20	12	BEAN TO CUP (N)	38
39	MICROWAVE (N,13)	10	20	1			1.00	1.66			-			208V/1PH	40
41	MICROWAVE (N,13)	10	20	1					1.00	1.80	1	20	12	CAPPUCCINO (N)	42
43	UC FREEZER (N,13)	10	20	1	0.58	2.55					2	30	10	COFFEE MAKER (N)	44
45	COFFEE CREAMER DISP (N,13)	10	20	1			0.24	2.55			-			120/208V/1PH	46
47	HOT FOOD MERCHANDISER (N,13)	10	20	1					1.10	2.55	2	30	10	COFFEE MAKER (N)	48
49	HOT FOOD MERCHANDISER (N,13)	10	20	1	1.10	2.55					-			120/208V/1PH	50
51	HOT DOG GRILL (N,13)	10	20	1			1.32	3.12			2	30	10	ISLAND MERCHANDISER (N,4)	52
53	HOT DOG GRILL (N,13)	10	20	1					1.32	3.12	-			208V/1PH	54
55	HOT DOG GRILL (N,13)	10	20	1	1.32	0.36					1	20	10	REFRIGERATED COND UNIT (N,13)	56
57	WARMING DRAWERS (N,13)	10	20	1			0.96	0.20			1	20	10	CHILI/CHEESE DISP (N,13)	58
59	EF-5 (N)	12	20	1					1.20	0.18	1	20	12	REC - ROOFTOP (N)	60
61	LTG - SHOWERS/LAUNDRY (N)	12	20	1	0.43	0.00					1	20	–	SPARE (N)	62
63	LTG - EXTERIOR EMERGENCY (N,8)	12	20	1			0.04	0.00			1	20	–	SPARE (N)	64
65	SPARE (N)	–	20	1					0.00	0.00	1	20	–	SPARE (N)	66
67	SPARE (N)	–	20	1	0.00	0.00					1	20	–	SPARE (N)	68
69	SPARE (N)	–	20	1			0.00	0.00			1	20	–	SPARE (N)	70
71	SPARE (N)	–	20	1					0.00	0.00	1	20	–	SPARE (N)	72
73	SPACE				0.00	0.00								SPACE	74
75	SPACE						0.00	0.00						SPACE	76
77	SPACE								0.00	0.00				SPACE	78
79	SPACE				0.00	0.00								SPACE	80
81	SPACE						0.00	0.00						SPACE	82
83	SPACE								0.00	0.00				SPACE	84
	TOTAL CONNECTED				51.3		50.6		50.9		KVA				
	TOTAL CONNECTED				427.2		421.5		424.1		AMPS				
	TOTAL LOAD				152.7		KVA		423.9		AMPS				
	PER NEC ARTICLE 220 FEEDER LOAD				135.4		KVA		375.9		AMPS				



1 PARTIAL ONE-LINE DIAGRAM

SCALE: NTS

PANELBOARD NOTES ()

(1) TERMINATE GROUND ON ISOLATED GROUND BUS.
(2) INSTALL LOCKING DEVICE (LOCK-OFF FOR MAINTENANCE).
(3) INSTALL LOCKING DEVICE FURNISHED WITH PANELBOARD (LOCK-ON FOR CRITICAL LOAD).
(4) GFI BREAKER FOR PERSONNEL PROTECTION (5 mA).
(5) GFI BREAKER FOR EQUIPMENT PROTECTION (30 mA).
(6) CONDUCTOR SIZE HAS BEEN INCREASED FOR VOLTAGE DROP. SIZE EQUIPMENT GROUNDING CONDUCTOR PROPORTIONALLY PER NEC.
(7) FACTORY WIRED TO LOAD.
(8) THRU CONTACTOR.
(9) EXISTING CIRCUIT BREAKER TO REMAIN. VERIFY CONDITION OF CIRCUIT BREAKER TO ENSURE THAT IT IS OPERATIONAL AND MEETS ALL U.L. RATINGS.
(10) EXISTING CIRCUIT TO REMAIN.
(11) PROVIDE HANDLE LOCK OFF DEVICE TO LOCK "SPARE" CIRCUIT BREAKER IN THE "OFF" POSITION. IF CIRCUIT BREAKER IS IDENTIFIED AS "EXISTING", FIELD VERIFY CIRCUIT BREAKER INDICATED IS NOT CONNECTED TO ANY LOAD AND UPDATE PANELBOARD CIRCUIT DIRECTORY IDENTIFYING CIRCUIT AS "SPARE".
(12) TRACE EXISTING CIRCUIT, IDENTIFY LOAD AND PROVIDE COMPLETE TYPEWRITTEN PANELBOARD IDENTIFICATION SCHEDULE AND PLACE ON INTERIOR OF PANELBOARD DOOR. IF CIRCUIT IS A "SPARE" THEN REFER TO PANELBOARD NOTE (11).
(13) CONDUCTOR SIZE HAS BEEN INCREASED FOR MORE THAN (3) CURRENT CARRYING CONDUCTORS IN A RACEWAY. E.C. SHALL ADJUST CONDUCTOR SIZES AS NECESSARY.
(14) REFER TO ONE-LINE DIAGRAM FOR WIRE SIZES
(15) RELOCATE CIRCUIT. VERIFY CONDITION OF CIRCUIT BREAKER TO ENSURE THAT IT IS OPERATIONAL AND MEETS ALL U.L. RATINGS
(N) NEW

ALL SWITCHBOARDS AND PANELBOARDS SHALL HAVE A COMMERCIALLY PRODUCED PERMANENT LABEL APPLIED TO WARN OF POTENTIAL ARC FLASH HAZARDS, IN ACCORDANCE WITH NEC 110.16 AND NFPA 70E. LABELING MAY BE COMPLETED BY EQUIPMENT MANUFACTURER, EQUIPMENT VENDOR/SUPPLIER, OR THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY THAT ALL SWITCHBOARDS AND PANELBOARDS ARE PROPERLY LABELED IN THE FIELD.

EXISTING CIRCUITRY IS BASED ON ORIGINAL BUILDING PLANS. IF EXISTING CIRCUITS TO REMAIN ARE NOT AS SHOWN ON THE PANELBOARD SCHEDULES, ARRANGE NEW CIRCUITS BASED UPON PRESENT LOCATION OF EXISTING CIRCUITS TO REMAIN SHOWN IN LOWERCASE.

EC SHALL MATCH TYPE AND AIC RATINGS OF EXISTING CIRCUIT BREAKERS.

ELECTRICAL SERVICE AND METERING ARE EXISTING TO REMAIN.

COORDINATE THE EXTENT OF ALL REQUIRED ELECTRICAL DEMOLITION WITH CONSTRUCTION MANAGER

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT HIMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING HIS WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

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FRESH KITCHEN LITE REMODEL/ SHOWER & LAUNDRY ADDITION/ FREEZER, COOLER & STORAGE ADDITION

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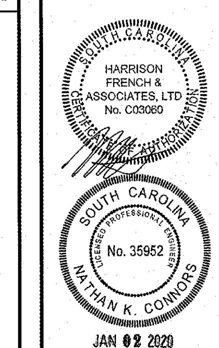

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