

C EXISTING PANELBOARD												
SERVES: LIGHTING & APPLIANCE										208Y/120V, 3PH, 4W		
LOCATION: KITCHEN										400A M.L.O.		
FED FROM: PANEL MDP2										42,000 AIC		
OVERCURRENT DEVICE: 400A										SURFACE MOUNT		
										GROUND BAR		
CK	LOAD SERVED	WIRE	BRKR	PL	PHASE A	PHASE B	PHASE C	PL	BRKR	WIRE	LOAD SERVED	CK
1	AR-DWH (N)	1	125	3	12.0	4.68		3	60		electric fryer (10)	2
3	208V/3PH					12.0	4.68					4
5												6
7	convection oven (10)		40	3	3.60	0.00					space	8
9						3.60	4.68				electric fryer (10)	10
11								3.36	4.68			12
13	convection oven (10)		40	3	3.60	4.68						14
15						3.60	0.00				space	16
17								3.36	4.68		electric fryer (10)	18
19	EP-2 (9)	12	20	1	0.22	4.68						20
21	HEAT TRACE (N,2,5)	12	20	1		1.00	4.68					22
23	DOOR HEATERS (2,9)	12	20	1				1.00	0.00		space (11)	24
25	REC - BACKSTOCK (9)	12	20	1	0.72	5.22					PANEL E (N,14)	26
27	space (11)		20	1		0.00	4.59					28
29	space (11)		20	1				0.00	5.82			30
31	CU-1 (N)	10	25	3	2.40	1.04					drink machine (10)	32
33	208V/3PH					2.40	1.04					34
35								2.40	0.84			36
37	CU-2 (N)	12	20	3	1.80	0.84					208V/1PH	38
39	208V/3PH					1.80	0.16				EP-1	40
41								1.80	0.16		208V/1PH	42
TOTAL CONNECTED					45.5	44.2	44.8	KVA				
TOTAL CONNECTED					379.0	368.6	373.2	AMPS				
TOTAL LOAD					134.5	KVA	373.3	AMPS				
PER NEC ARTICLE 220 FEEDER LOAD					106.9	KVA	296.7	AMPS				

E EXISTING PANELBOARD												
SERVES: LIGHTING & APPLIANCE										208Y/120V, 3PH, 4W		
LOCATION: KITCHEN										100A M.L.O.		
FED FROM: PANEL C										22,000 AIC		
OVERCURRENT DEVICE: 100A										SURFACE MOUNT		
										GROUND BAR		
CK	LOAD SERVED	WIRE	BRKR	PL	PHASE A	PHASE B	PHASE C	PL	BRKR	WIRE	LOAD SERVED	CK
1	VECTOR OVEN (N,2)		8	40	3	3.96	0.54				REC - PREP ROOM (N,4)	2
3	208V/3PH					3.96	0.63				REACH IN REFRIGERATOR (N,4)	4
5										3.96	1.86	6
7	SPARE (N)		20	1	0.00	0.72					REACH IN FREEZER (N,4)	8
9	SPARE (N)		20	1							RRIGERATED PREP TABLE (N,4)	10
11	SPARE (N)		20	1		0.00	0.00				SPARE (N)	12
13	SPARE (N)		20	1			0.00	0.00			SPARE (N)	14
15	SPARE (N)		20	1				0.00	0.00		SPARE (N)	16
17	SPARE (N)		20	1					0.00	0.00	SPARE (N)	18
19	SPARE (N)		20	1			0.00	0.00			SPARE (N)	20
21	SPARE (N)		20	1				0.00	0.00		SPARE (N)	22
23	SPARE (N)		20	1					0.00	0.00	SPARE (N)	24
25	SPARE (N)		20	1	0.00	0.00					SPARE (N)	26
27	SPARE (N)		20	1				0.00	0.00		SPARE (N)	28
29	SPARE (N)		20	1					0.00	0.00	SPARE (N)	30
31	SPACE				0.00	0.00					SPACE	32
33	SPACE					0.00	0.00				SPACE	34
35	SPACE						0.00	0.00			SPACE	36
37	SPACE				0.00	0.00					SPACE	38
39	SPACE							0.00	0.00		SPACE	40
41	SPACE								0.00	0.00	SPACE	42
TOTAL CONNECTED					5.22	4.59	5.82	KVA				
TOTAL CONNECTED					43.5	36.3	36.5	AMPS				
TOTAL LOAD					15.6	KVA	37.3	AMPS				
PER NEC ARTICLE 220 FEEDER LOAD					10.9	KVA	30.3	AMPS				

PANELBOARD NOTES ( )

- TERMINATE GROUND ON ISOLATED GROUND BUS.
- INSTALL LOCKING DEVICE (LOCK-OFF FOR MAINTENANCE).
- INSTALL LOCKING DEVICE FURNISHED WITH PANELBOARD (LOCK-ON FOR CRITICAL LOAD).
- GFI BREAKER FOR PERSONNEL PROTECTION (5 mA).
- GFI BREAKER FOR EQUIPMENT PROTECTION (30 mA).
- CONDUCTOR SIZE HAS BEEN INCREASED FOR VOLTAGE DROP, SIZE EQUIPMENT GROUNDING CONDUCTOR PROPORTIONALLY PER NEC.
- FACTORY WIRE TO LOAD.
- THRU CONTACTOR.
- EXISTING CIRCUIT BREAKER TO REMAIN. VERIFY CONDITION OF CIRCUIT BREAKER TO ENSURE THAT IT MEETS ALL U.L. RATINGS.
- EXISTING CIRCUIT TO REMAIN. 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".
- 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).
- CONDUCTOR SIZE HAS BEEN INCREASED FOR MORE THAN (3) CURRENT CARRYING CONDUCTORS IN A RACEWAY. E.C. SHALL ADJUST CONDUCTOR SIZES AS NECESSARY.
- REFER TO ONE-LINE DIAGRAM FOR WIRE SIZES
- RELOCATE CIRCUIT. VERIFY CONDITION OF CIRCUIT BREAKER TO ENSURE THAT IT IS OPERATIONAL AND MEETS ALL U.L. RATINGS
- NEW

ALL SWITCHBOARDS AND PANELBOARDS SHALL HAVE A COMMERCIALY 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

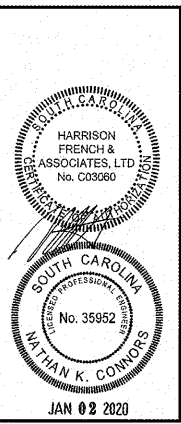
EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT HIMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING HIS WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF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