



Richard Molenaar
ARCHITECT

PROJECT NAME: "COURTYARD -- PEARL, MISSISSIPPI"										
PANEL NAME: "CA"			PANEL MAIN: M.L.O.			PANEL MTG.: SURFACE				
PANEL VOLTAGE: 120/208V, 3-PH, 4-W.			PANEL BUS: 225A.			LOCATION: ELECTRICAL EQUIPMENT ROOM - GRD FLR				
CKT NO.	CIRCUIT DESCRIPTION	BKR SIZE	LOAD PER PHASE			BKR SIZE	CIRCUIT DESCRIPTION	CKT NO.		
			A-PHASE	B-PHASE	C-PHASE					
1	CON-OP DRYER	302	2500	1200		201	RECEPTACLES CIRCUIT	2		
3				2500	1200		201	RECEPTACLES CIRCUIT	4	
5	CON-OP WASHER	201				1500	1200	201	RECEPTACLES CIRCUIT	6
7	ELEVATOR GAS FAN & LIGHTS	202	2000	1200				201	RECEPTACLES CIRCUIT	8
11					2000	1200			201	RECEPTACLES CIRCUIT
13	ELEVATOR GAS FAN & LIGHTS	202				1000	1200	201	RECEPTACLES CIRCUIT	12
15	VENDING RECEPTACLE	201	1200	1200				201	RECEPTACLES CIRCUIT	14
17					1200	1200			201	RECEPTACLES CIRCUIT
19	VENDING RECEPTACLE	201				1200	1200	201	RECEPTACLES CIRCUIT	18
21	MAINTENANCE RM PWR OUTLET	202	1500	1200				201	DRYER BOOST FAN RECEPTACLE	20
23						1500	1200		201	RECEPTACLES CIRCUIT
25	RECEPTACLE CIRCUIT	201				1200	1200	201	RECEPTACLES CIRCUIT	24
27	RECEPTACLE CIRCUIT	201	1200	1000				202	STARWELL HEATER	26
29	RECEPTACLE CIRCUIT	201		1200	1000					28
31	RECEPTACLE CIRCUIT	201				1200	1000	202	STARWELL HEATER	30
33	RECEPTACLE CIRCUIT	201	1200	1000						32
35	RECEPTACLE CIRCUIT	201		1200	1200			201	SPARE	34
37	RECEPTACLE CIRCUIT	201				1200	1200	201	SPARE	36
39	RECEPTACLE CIRCUIT	201	1200	1200				201	SPARE	38
41	RECEPTACLE CIRCUIT	201			1200	1200		201	SPARE	40
43	RECEPTACLE CIRCUIT	201			1200	1200		201	SPARE	42
PHASE WATTS TOTALS			15,800	19,000	16,700	PHASE WATTS TOTALS				
TOTAL WATTS LOAD ON PANEL			54,500							
TOTAL AMP LOAD @ 120/208V, 3-PH			151.39							
DEMAND LOAD:			12,900							
1ST 10 KW @ 100% =			10,000							
REMAINING KW AT 50% =			15,800							
TOTAL DEMAND KW =			25,700							
TOTAL DEMAND AMPS @ 120/208V =			79.72							

PROJECT NAME: COURTYARD -- PEARL, MISSISSIPPI									
PANEL NAME: "CB"			PANEL MAIN: M.L.O.			PANEL MTG.: SURFACE			
PANEL VOLTAGE: 120/208V, 3-PH, 4-W.			PANEL BUS: 225A.			LOCATION: ELECTRICAL EQUIPMENT ROOM - GRD FLR			
CKT NO.	CIRCUIT DESCRIPTION	BKR SIZE	LOAD PER PHASE			BKR SIZE	CIRCUIT DESCRIPTION	CKT NO.	
			A-PHASE	B-PHASE	C-PHASE				
1	LIGHTING CIRCUIT	201	1200	1200		201	LIGHTING CIRCUIT	2	
3	LIGHTING CIRCUIT	201		1200	1200	201	LIGHTING CIRCUIT	4	
5	LIGHTING CIRCUIT	201			1200	1200	LIGHTING CIRCUIT	6	
7	LIGHTING CIRCUIT	201	1200	1200		201	LIGHTING CIRCUIT	8	
9	LIGHTING CIRCUIT	201		1200	1200	201	LIGHTING CIRCUIT	10	
11	LIGHTING CIRCUIT	201			1200	1200	LIGHTING CIRCUIT	12	
13	LIGHTING CIRCUIT	201	1200	1200		201	LIGHTING CIRCUIT	14	
15	LIGHTING CIRCUIT	201		1200	1200	201	EXHAUST FAN	16	
17	LIGHTING CIRCUIT	201			1200	1200	EXTERIOR RECEPTABLES	18	
19	LIGHTING CIRCUIT	201	1200	1200		201	EXTERIOR STORAGE SLUG RCPTL	20	
21	LIGHTING CIRCUIT	201		1200	1200	201	SPARE	22	
23	LIGHTING CIRCUIT	201			1200	1200	SPARE	24	
25	LIGHTING CIRCUIT	201	1200	1200		201	SPARE	26	
27	LIGHTING CIRCUIT	201		1200	1200	201	SPARE	28	
29	LIGHTING CIRCUIT	201			1200	1200	SPARE	30	
31	LIGHTING CIRCUIT	201	1200	1200		201	SPARE	32	
33	LIGHTING CIRCUIT	201		1200	1200	201	SPARE	34	
35	LIGHTING CIRCUIT	201			1200	1200	SPARE	36	
37	LIGHTING CIRCUIT	201	1200	1200		201	SPARE	38	
39	LIGHTING CIRCUIT	201		1200	1200	201	SPARE	40	
41	LIGHTING CIRCUIT	201			1200	1200	SPARE	42	
PHASE WATTS TOTALS			15,800	16,800	16,800	PHASE WATTS TOTALS			
TOTAL WATTS LOAD ON PANEL			50,400			TOTAL WATTS LOAD ON PANEL			
TOTAL AMP LOAD @ 120/208V, 3-PH			146.30			TOTAL AMP LOAD @ 120/208V, 3-PH			

PROJECT NAME: COURTYARD -- PEARL, MISSISSIPPI									
PANEL NAME: "DL"			PANEL MAIN: M.L.O.			PANEL MTG.: SURFACE			
PANEL VOLTAGE: 120/208V, 3-PH, 4-W.			PANEL BUS: 225A.			LOCATION: 3RD FLOOR STORAGE ROOM 355			
CKT NO.	CIRCUIT DESCRIPTION	BKR SIZE	LOAD PER PHASE			BKR SIZE	CIRCUIT DESCRIPTION	CKT NO.	
			A-PHASE	B-PHASE	C-PHASE				
1	PARKING AREA LIGHTING	202	1200	1200		201	BUILDING SIGN	2	
3	PARKING AREA LIGHTING	202		1200	1200	201	BUILDING SIGN	4	
5	PARKING AREA LIGHTING	202			1200	1200	201	BUILDING SIGN	6
7	PARKING AREA LIGHTING	202	1200	1200		201	MONUMENT SIGN	8	
9	PARKING AREA LIGHTING	202		1200	1200	201	MONUMENT SIGN	10	
11	PARKING AREA LIGHTING	202			1200	1200	201	MONUMENT SIGN	12
13	PARKING AREA LIGHTING	202	1200	1200		201	MONUMENT SIGN	14	
15	PARKING AREA LIGHTING	202		1200	1200	201	MONUMENT SIGN	16	
17	PARKING AREA LIGHTING	202			1200	1200	201	MONUMENT SIGN	18
19	PARKING AREA LIGHTING	202	1200	1200		201	SPARE	20	
21	PARKING AREA LIGHTING	202		1200	1200	201	SPARE	22	
23	PARKING AREA LIGHTING	202			1200	1200	201	SPARE	24
25	DECORATIVE AREA LIGHTING	201	1000	1200		201	SPARE	26	
27	DECORATIVE AREA LIGHTING	201		1000	1000	201	SPARE	28	
29	EXTERIOR LIGHTING CIRCUIT	201			1000	1000	201	SPARE	30
31	FORTE COCHRE LIGHTING	201	1000	1200		201	SPARE	32	
33	FORTE COCHRE LIGHTING	201		1000	1200	201	SPARE	34	
35	SPARE	201			1000	1200	201	SPARE	36
37	SPARE	201	1200	1200		201	SPARE	38	
39	SPARE	201		1200	1200	201	SPARE	40	
41	SPARE	201			1200	1200	201	SPARE	42
PHASE WATTS TOTALS			16,400	16,200	16,200	PHASE WATTS TOTALS			
TOTAL WATTS LOAD ON PANEL			48,800			TOTAL WATTS LOAD ON PANEL			
TOTAL AMP LOAD @ 120/208V, 3-PH			135.59			TOTAL AMP LOAD @ 120/208V, 3-PH			

PROJECT NAME: COURTYARD -- PEARL, MISSISSIPPI										
PANEL NAME: "K"			PANEL MAIN: M.L.O.			PANEL MTG.: SURFACE				
PANEL VOLTAGE: 120/208V, 3-PH, 4-W.			PANEL BUS: 400A.			LOCATION: KITCHEN - GRD FLR				
CKT NO.	CIRCUIT DESCRIPTION	BKR SIZE	LOAD PER PHASE			BKR SIZE	CIRCUIT DESCRIPTION	CKT NO.		
			A-PHASE	B-PHASE	C-PHASE					
1	LIGHTING CIRCUIT	201	1200	1200		201	BAR AND / OR KITCHEN EQUIPMENT	2		
3	LIGHTING CIRCUIT	201		1200	1200	201	BAR AND / OR KITCHEN EQUIPMENT	4		
5	LIGHTING CIRCUIT	201			1200	1200	201	BAR AND / OR KITCHEN EQUIPMENT	6	
7	BAR AND / OR KITCHEN EQUIPMENT	201	1200	1200		201	BAR AND / OR KITCHEN EQUIPMENT	8		
9	BAR AND / OR KITCHEN EQUIPMENT	201		1200	1200	201	BAR AND / OR KITCHEN EQUIPMENT	10		
11	BAR AND / OR KITCHEN EQUIPMENT	201			1200	1200	201	BAR AND / OR KITCHEN EQUIPMENT	12	
13	BAR AND / OR KITCHEN EQUIPMENT	201	1200	1200		201	BAR AND / OR KITCHEN EQUIPMENT	14		
15	BAR AND / OR KITCHEN EQUIPMENT	201		1200	1200	201	BAR AND / OR KITCHEN EQUIPMENT	16		
17	BAG-IN-BOX	201			1200	1200	201	BAR AND / OR KITCHEN EQUIPMENT	18	
19	BAG-IN-BOX	201	1200	1200		201	BAR AND / OR KITCHEN EQUIPMENT	20		
21	MICROWAVE / CONVECTION OVEN	402		3120	1200	202	SELF-SERVICE COMBO MERCHANDISER	22		
23	BAR AND / OR KITCHEN EQUIPMENT	201	1200	1200		3120	1200	202	SPARE	24
25	COFFEE BREWER	402		3120	1300	302	GLASSWASHER	26		
27	DISPOSER	153	760	3760		503	DISHMACHINE	28		
29	DISPOSER	153		760	3760	503	DISHMACHINE	30		
31	DISPOSER	153			760	3760	503	DISHMACHINE	32	
33	DISPOSER	153	500	750		153	WALK-IN FREEZER CONDENSER	34		
35	DISPOSER	153		500	750	153	WALK-IN FREEZER CONDENSER	36		
37	DISPOSER	153			500	750	153	WALK-IN FREEZER CONDENSER	38	
39	BAR AND / OR KITCHEN EQUIPMENT	201	1200	1200		201	BAR AND / OR KITCHEN EQUIPMENT	40		
41	BAR AND / OR KITCHEN EQUIPMENT	201		1200	1200	201	BAR AND / OR KITCHEN EQUIPMENT	42		
43	BAR AND / OR KITCHEN EQUIPMENT	201			1200	1200	201	BAR AND / OR KITCHEN EQUIPMENT	44	
45	BAR AND / OR KITCHEN EQUIPMENT	201	1200	1200		201	BAR AND / OR KITCHEN EQUIPMENT	46		
47	WALK IN COOLER COIL	202	1000	1000		202	WALK IN FREEZER COIL	50		
51	DISHWASHER EXHAUST FAN	201			1200	1000	201	SPARE	52	
53	BAR AND / OR KITCHEN EQUIPMENT	201	1200	1000		153	HOOD SUPPLY FAN	56		
55	BAR AND / OR KITCHEN EQUIPMENT	201		1200	1000	153	HOOD SUPPLY FAN	58		
57	BAR AND / OR KITCHEN EQUIPMENT	201			1200	1000	153	HOOD SUPPLY FAN	60	
59	BAR AND / OR KITCHEN EQUIPMENT	201	1200	1000		153	HOOD EXHAUST FAN	62		
61	SPARE	201		1200	1000	153	HOOD EXHAUST FAN	64		
63	SPARE	201			1200	1000	153	HOOD EXHAUST FAN	66	
65	SPARE	201			1200	1000	153	HOOD EXHAUST FAN	68	
67	SPARE	201	----	----		201	SPARE	70		
69	SPARE	201		----	----	201	SPARE	72		
71	SPARE	201			----	201	SPARE	74		
73	SPARE	201	----	----		201	SPARE	76		
75	SPARE	201			----	201	SPARE	78		
77	SPARE	201			----	201	SPARE	80		
79	SPARE	201	----	----		201	SPARE	82		
81	SPARE	201			----	201	SPARE	84		
83	SPARE	201			----	201	SPARE	86		
PHASE WATTS TOTALS			25,670	30,510	30,510	PHASE WATTS TOTALS				
TOTAL WATTS LOAD ON PANEL			87,590			TOTAL WATTS LOAD ON PANEL				
TOTAL AMP LOAD @ 120/208V, 3-PH			243.31			TOTAL AMP LOAD @ 120/208V, 3-PH				
DEMAND LOAD: LOAD @ 100% =			34,690							
KITCHEN EQUIPMENT 52,700 @ 65% =			34,314							
TOTAL DEMAND KW =			89,204							
TOTAL DEMAND AMPS @ 120/208V =			192.23							