



Richard Molenaar
ARCHITECT

PROJECT NAME: COURTYARD -- PEARL, MISSISSIPPI												
PANEL NAME: "LC"			PANEL MAIN: M.L.O.			PANEL MTG.: SURFACE						
PANEL VOLTAGE: 120/208V, 3-PH, 4-W.			PANEL BUS: 225A, 3-SECTION			LOCATION: THIRD FLOOR STORAGE ROOM						
CKT NO.	CIRCUIT DESCRIPTION	BKR SIZE	LOAD PER PHASE			BKR SIZE	CIRCUIT DESCRIPTION	CKT NO.				
			A-PHASE	B-PHASE	C-PHASE							
1	GUESTROOM CKT	201	1200	1200		201	GUESTROOM CKT	2				
3	GUESTROOM CKT	201		1200	1200	201	GUESTROOM CKT	4				
5	GUESTROOM CKT	201			1200	1200	GUESTROOM CKT	6				
7	GUESTROOM CKT	201	1200	1200		201	GUESTROOM CKT	8				
9	GUESTROOM CKT	201		1200	1200	201	GUESTROOM CKT	10				
11	GUESTROOM CKT	201			1200	1200	GUESTROOM CKT	12				
13	GUESTROOM CKT	201	1200	1200		201	GUESTROOM CKT	14				
15	GUESTROOM CKT	201		1200	1200	201	GUESTROOM CKT	16				
17	GUESTROOM CKT	201			1200	1200	GUESTROOM CKT	18				
19	GUESTROOM CKT	201	1200	1200		201	GUESTROOM CKT	20				
21	GUESTROOM CKT	201		1200	1200	201	GUESTROOM CKT	22				
23	GUESTROOM CKT	201			1200	1200	GUESTROOM CKT	24				
25	GUESTROOM CKT	201	1200	1200		201	GUESTROOM CKT	26				
27	GUESTROOM CKT	201		1200	1200	201	GUESTROOM CKT	28				
29	GUESTROOM CKT	201			1200	1200	GUESTROOM CKT	30				
31	GUESTROOM CKT	201	1200	1200		201	GUESTROOM CKT	32				
33	GUESTROOM CKT	201		1200	1200	201	GUESTROOM CKT	34				
35	GUESTROOM CKT	201			1200	1200	GUESTROOM CKT	36				
37	GUESTROOM CKT	201	1200	1200		201	GUESTROOM CKT	38				
39	GUESTROOM CKT	201		1200	1200	201	GUESTROOM CKT	40				
41	GUESTROOM CKT	201			1200	1200	GUESTROOM CKT	42				
43	GUESTROOM CKT	201	1200	1200		201	GUESTROOM CKT	44				
45	GUESTROOM CKT	201		1200	1200	201	GUESTROOM CKT	46				
47	GUESTROOM CKT	201			1200	1200	GUESTROOM CKT	48				
49	GUESTROOM CKT	201	1200	1200		201	GUESTROOM CKT	50				
51	GUESTROOM CKT	201		1200	1200	201	GUESTROOM CKT	52				
53	GUESTROOM CKT	201			1200	1200	GUESTROOM CKT	54				
55	GUESTROOM CKT	201	1200	1200		201	GUESTROOM CKT	56				
57	GUESTROOM CKT	201		1200	1200	201	GUESTROOM CKT	58				
59	GUESTROOM CKT	201			1200	1200	GUESTROOM CKT	60				
61	GUESTROOM CKT	201	1200	1200		201	GUESTROOM CKT	62				
63	GUESTROOM CKT	201		1200	1200	201	GUESTROOM CKT	64				
65	GUESTROOM CKT	201			1200	1200	GUESTROOM CKT	66				
67	GUESTROOM CKT	201	1200	1200		201	GUESTROOM CKT	68				
69	GUESTROOM CKT	201		1200	1200	201	GUESTROOM CKT	70				
71	GUESTROOM CKT	201			1200	1200	GUESTROOM CKT	72				
73	GUESTROOM CKT	201	1200	1200		201	GUESTROOM CKT	74				
75	GUESTROOM CKT	201		1200	1200	201	GUESTROOM CKT	76				
77	GUESTROOM CKT	201			1200	1200	GUESTROOM CKT	78				
79	GUESTROOM CKT	201	1200	1200		201	GUESTROOM CKT	80				
81	GUESTROOM CKT	201		1200	1200	201	GUESTROOM CKT	82				
83	GUESTROOM CKT	201			1200	1200	GUESTROOM CKT	84				
85	GUESTROOM CKT	201	1200	1200		201	GUESTROOM CKT	86				
87	GUESTROOM CKT	201		1200	1200	201	GUESTROOM CKT	88				
89	GUESTROOM CKT	201			1200	1200	GUESTROOM CKT	90				
91	GUESTROOM CKT	201	1200	1200		201	GUESTROOM CKT	92				
93	CORRIDOR LIGHTING CIRCUIT	201		1200	1200	201	GUESTROOM CKT	94				
95	CORRIDOR LIGHTING CIRCUIT	201			1200	1200	LIGHTING CIRCUIT	96				
97	CORRIDOR LIGHTING CIRCUIT	201	1200	1200		201	RECEPTACLE CKT	98				
99	VENDING CIRCUIT	201		1200	1200	201	ROUTER RECEPTACLE	100				
101	VENDING CIRCUIT	201			1200	1200	SPARE	102				
103	SPARE	201	1200	1200		201	SPARE	104				
105	SPARE	201		1200	1200	201	SPARE	106				
107	SPARE	201			1200	1200	SPARE	108				
109	SPARE	201	1200	1200		201	SPARE	110				
111	SPARE	201		1200	1200	201	SPARE	112				
113	SPARE	201			1200	1200	SPARE	114				
115	SPARE	201	1200	1200		201	SPARE	116				
117	SPARE	201		1200	1200	201	SPARE	118				
119	SPARE	201			1200	1200	SPARE	120				
121	SPARE	201	1200	1200		201	SPARE	122				
123	SPARE	201		1200	1200	201	SPARE	124				
125	SPARE	201			1200	1200	SPARE	126				
PHASE WATTS TOTALS			50,400	50,400	50,400	PHASE WATTS TOTALS						
TOTAL WATTS LOAD ON PANEL			151,200			TOTAL WATTS LOAD ON PANEL						
TOTAL AMP LOAD @ 120/208V, 3-PH			420.00			TOTAL AMP LOAD @ 120/208V, 3-PH						
157.20,000 WATTS @ 90% =			10,000			WATTS						
NEXT 80,000 WATTS AT 40% =			32,000			WATTS						
REMAINING WATTS AT 30% =			15,360			WATTS						
TOTAL DEMAND WATTS =			57,360			WATTS						
TOTAL DEMAND AMPS AT 120/208V, 3-PHASE, 4-WIRE =			159.33			AMPS						

PROJECT NAME : COURTYARD -- PEARL, MISSISSIPPI													
PANEL NAME : "PL"			PANEL MAIN : M.L.O.			PANEL MTG. : SURFACE							
PANEL VOLTAGE : 120/208V, 3-PH, 4-W.			PANEL BUS : 100A.			LOCATION : POOL EQUIPMENT							
CKT NO.	CIRCUIT DESCRIPTION	BKR SIZE	LOAD PER PHASE			BKR SIZE	CIRCUIT DESCRIPTION	CKT NO.					
			A-PHASE	B-PHASE	C-PHASE								
1	UNDERWATER POOL LIGHTS	201 (21)	1200	1200		201	SPARE	1					
3	SPARE	201 (21)		1200	1200	201	SPARE	4					
5	RECEPTACLES CIRCUIT	201			1200	1200	201	SPARE	6				
7	EXHAUST FAN	201	1200	1200		201	SPARE	8					
9	SPARE	201		1200	1200	201	SPARE	10					
11	SPARE	201			1200	1200	201	SPARE	12				
13	SPARE	201	1200	1200		201	SPARE	14					
15	SPARE	201		1200	1200	201	SPARE	16					
17	SPARE	201			1200	1200	201	SPARE	18				
19	SPARE	201	----	----		201	SPARE	20					
21	SPARE	201		----	----	201	SPARE	22					
23	SPARE	201			----	201	SPARE	24					
25	SPARE	201	----	----		201	SPARE	26					
27	SPARE	201		----	----	201	SPARE	28					
29	SPARE	201			----	201	SPARE	30					
PHASE WATTS TOTALS			7,200	7,200	7,200	PHASE WATTS TOTALS							
TOTAL WATTS LOAD ON PANEL			21,600			TOTAL WATTS LOAD ON PANEL							
TOTAL AMP LOAD @ 120/208V, 3-PH			60.00			TOTAL AMP LOAD @ 120/208V, 3-PH							

PROJECT NAME: COURTYARD – PEARL, MISSISSIPPI												
PANEL NAME: "LD"			PANEL MAIN: M.L.O.				PANEL MTG.: SURFACE					
PANEL VOLTAGE: 120/208V, 3-PH, 4-W.			PANEL BUS: 225A, 3-SECTION				LOCATION: FOURTH FLOOR STORAGE ROOM					
CKT NO.	CIRCUIT DESCRIPTION	BKR SIZE	LOAD PER PHASE			BKR SIZE	CIRCUIT DESCRIPTION	CKT NO.				
			A-PHASE	B-PHASE	C-PHASE							
1	GUESTROOM CKT.	20/1	1200	1200		20/1	GUESTROOM CKT.	2				
3	GUESTROOM CKT.	20/1		1200	1200		GUESTROOM CKT.	4				
5	GUESTROOM CKT.	20/1				1200	GUESTROOM CKT.	6				
7	GUESTROOM CKT.	20/1	1200	1200		20/1	GUESTROOM CKT.	8				
9	GUESTROOM CKT.	20/1		1200	1200		GUESTROOM CKT.	10				
11	GUESTROOM CKT.	20/1				1200	GUESTROOM CKT.	12				
13	GUESTROOM CKT.	20/1	1200	1200		20/1	GUESTROOM CKT.	14				
15	GUESTROOM CKT.	20/1		1200	1200		GUESTROOM CKT.	16				
17	GUESTROOM CKT.	20/1				1200	GUESTROOM CKT.	18				
19	GUESTROOM CKT.	20/1	1200	1200		20/1	GUESTROOM CKT.	20				
21	GUESTROOM CKT.	20/1		1200	1200		GUESTROOM CKT.	22				
23	GUESTROOM CKT.	20/1				1200	GUESTROOM CKT.	24				
25	GUESTROOM CKT.	20/1	1200	1200		20/1	GUESTROOM CKT.	26				
27	GUESTROOM CKT.	20/1		1200	1200		GUESTROOM CKT.	28				
29	GUESTROOM CKT.	20/1				1200	GUESTROOM CKT.	30				
31	GUESTROOM CKT.	20/1	1200	1200		20/1	GUESTROOM CKT.	32				
33	GUESTROOM CKT.	20/1		1200	1200		GUESTROOM CKT.	34				
35	GUESTROOM CKT.	20/1				1200	GUESTROOM CKT.	36				
37	GUESTROOM CKT.	20/1	1200	1200		20/1	GUESTROOM CKT.	38				
39	GUESTROOM CKT.	20/1		1200	1200		GUESTROOM CKT.	40				
41	GUESTROOM CKT.	20/1				1200	GUESTROOM CKT.	42				
43	GUESTROOM CKT.	20/1	1200	1200		20/1	GUESTROOM CKT.	44				
45	GUESTROOM CKT.	20/1		1200	1200		GUESTROOM CKT.	46				
47	GUESTROOM CKT.	20/1				1200	GUESTROOM CKT.	48				
49	GUESTROOM CKT.	20/1	1200	1200		20/1	GUESTROOM CKT.	50				
51	GUESTROOM CKT.	20/1		1200	1200		GUESTROOM CKT.	52				
53	GUESTROOM CKT.	20/1				1200	GUESTROOM CKT.	54				
55	GUESTROOM CKT.	20/1	1200	1200		20/1	GUESTROOM CKT.	56				
57	GUESTROOM CKT.	20/1		1200	1200		GUESTROOM CKT.	58				
59	GUESTROOM CKT.	20/1				1200	GUESTROOM CKT.	60				
61	GUESTROOM CKT.	20/1	1200	1200		20/1	GUESTROOM CKT.	62				
63	GUESTROOM CKT.	20/1		1200	1200		GUESTROOM CKT.	64				
65	GUESTROOM CKT.	20/1				1200	GUESTROOM CKT.	66				
67	GUESTROOM CKT.	20/1	1200	1200		20/1	GUESTROOM CKT.	68				
69	GUESTROOM CKT.	20/1		1200	1200		GUESTROOM CKT.	70				
71	GUESTROOM CKT.	20/1				1200	GUESTROOM CKT.	72				
73	GUESTROOM CKT.	20/1	1200	1200		20/1	GUESTROOM CKT.	74				
75	GUESTROOM CKT.	20/1		1200	1200		GUESTROOM CKT.	76				
77	GUESTROOM CKT.	20/1				1200	GUESTROOM CKT.	78				
79	GUESTROOM CKT.	20/1	1200	1200		20/1	GUESTROOM CKT.	80				
81	GUESTROOM CKT.	20/1		1200	1200		GUESTROOM CKT.	82				
83	GUESTROOM CKT.	20/1				1200	GUESTROOM CKT.	84				
85	GUESTROOM CKT.	20/1	1200	1200		20/1	GUESTROOM CKT.	86				
87	GUESTROOM CKT.	20/1		1200	1200		GUESTROOM CKT.	88				
89	GUESTROOM CKT.	20/1				1200	GUESTROOM CKT.	90				
91	GUESTROOM CKT.	20/1	1200	1200		20/1	GUESTROOM CKT.	92				
93	CORRIDOR LIGHTING CIRCUIT	20/1		1200	1200		GUESTROOM CKT.	94				
95	CORRIDOR LIGHTING CIRCUIT	20/1				1200	LIGHTING CIRCUIT	96				
97	CORRIDOR LIGHTING CIRCUIT	20/1	1200	1200		20/1	RECEPTACLE	98				
99	VENDING CIRCUIT	20/1		1200	1200		ROUTER RECEPTACLE	100				
101	VENDING CIRCUIT	20/1				1200	QUAD RECEPTACLE	102				
103	CORRIDOR RECEPTABLES	20/1	1200	1200		20/1	QUAD RECEPTACLE	104				
105	CORRIDOR RECEPTABLES	20/1		1200	1200		CORRIDOR RECEPTABLES	106				
107	ROOF RECEPTABLES	20/1				1200	CORRIDOR RECEPTABLES	108				
109	SPARE	20/1	1200	1200		20/1	SPARE	110				
111	SPARE	20/1		1200	1200		SPARE	112				
113	SPARE	20/1				1200	SPARE	114				
115	SPARE	20/1	1200	1200		20/1	SPARE	116				
117	SPARE	20/1		1200	1200		SPARE	118				
119	SPARE	20/1				1200	SPARE	120				
121	SPARE	20/1	1200	1200		20/1	SPARE	122				
123	SPARE	20/1		1200	1200		SPARE	124				
125	SPARE	20/1				1200	SPARE	126				
PHASE WATTS TOTALS			56,400	56,400	56,400	PHASE WATTS TOTALS						
TOTAL WATTS LOAD ON PANEL			151,200			TOTAL WATTS LOAD ON PANEL						
TOTAL AMP LOAD @ 120/208V, 3-PH.			420.00			TOTAL AMP LOAD @ 120/208V, 3-PH.						
			131 20,000 WATTS @ 50% =			10,000 WATTS						
			NEXT 80,000 WATTS AT 40% =			32,000 WATTS						
			REMAINING WATTS AT 30% =			15,380 WATTS						
			TOTAL DEMAND WATTS =			57,380 WATTS						
			TOTAL DEMAND AMPS AT 120/208V, 3-PHASE, 4-WIRE =			159.33 AMPS						