



DAMMON ENGINEERING, INC.

CHIEF ENGINEER  
EMMETT DAMMON, P.E.

CHIEF ARCHITECT  
ROBERT WILTSE

554 OLD SPANISH TRAIL  
SLIDELL, LA. 70458  
OFFICE: 985-649-5832  
FAX: 985-641-5950

WEBSITE:  
WWW.DAMMONENGINEERING.COM

EMAIL:  
DAMMONENG@BELLSOUTH.NET

ARCHITECTURE

ENGINEERING

STUDIES

PLANNING

INVESTIGATION

EXPERT WITNESS

LIVING THE WORD  
INTERNATIONAL

2528  
OLD SPANISH TRAIL  
SLIDELL, LA  
70461

PANEL  
SCHEDULES

REV:

*Robert Wiltse*

SCALE: AS NOTED

JOB#: 2128

DATE: 01-27-12

SHEET 13

FEB 18 2012  
410783

E-3

OF 15

PANEL: MDP  
LOCATION: ELEC. RM. 123  
FEEDER SOURCE: UTILITY CO.

VOLTAGE: 120/208V, 800A, 3Ø, 4W, W/ MAIN BRKR  
ENCLOSURE: SURFACE MOUNTED WEQUIPMENT GND BAR  
BOLT-ON BRK 22000 AIC

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION		BREAKER		LOAD (VA)	AØ BØ CØ		LOAD (VA)	BREAKER		LOAD DESCRIPTION		THHN WIRE SIZE	CKT. NO.	
		LOCATION	AMP	POLE	POLE		AMP	LOCATION		AMP	POLE					
1	#2	AHU #1		110	3	7070	AØ BØ CØ	AØ BØ CØ	7070	110	AHU #4		#2	2		
3		15 TON 23 KW ELEC. HEAT				7070			7070		15 TON 23 KW ELEC. HEAT				7070	4
5						7070			7070						7070	6
7	#3	AHU #2		90	3	5690	AØ BØ CØ	AØ BØ CØ	5690	90	AHU #3		#3	8		
9		7.5 TON 18 KW ELEC. HEAT				5690			5690		7.5 TON 18 KW ELEC. HEAT				5690	10
11						5690			5690						5690	12
13	#10	AHU #5		35	3	2430	AØ BØ CØ	AØ BØ CØ	2430	35	AHU #6		#10	14		
15		5 TON 15 KW ELEC. HEAT				2430			2430		5 TON 15 KW ELEC. HEAT				2430	16
17						2430			2430						2430	18
19	#10	AHU #8		30	3	2000	AØ BØ CØ	AØ BØ CØ	2430	35	AHU #9		#10	20		
21		4 TON 10 KW ELEC. HEAT				2000			2430		5 TON 15 KW ELEC. HEAT				2430	22
23						2000			2430						2430	24
25	#3	AHU #7		90	3	5690	AØ BØ CØ	AØ BØ CØ	30670	225	PP-1		4/0	26		
27		7.5 TON 18 KW ELEC. HEAT				5690			29870		PP-1				29870	28
29						5690			29870						29870	30
31	3/0	LP-1		200	3	22400	AØ BØ CØ	AØ BØ CØ	30080	225	LP-2		4/0	32		
33						22400			30080						30080	34
35						22400			27520						27520	36
37	-	SPACE		-	-	-	-	-	-	-	SPACE		-	38		
39	-	SPACE		-	-	-	-	-	-	-	SPACE		-	40		
41	-	SPACE		-	-	-	-	-	-	-	SPACE		-	42		
						TOTAL CONNECTED LOAD (VA)=366790						GROUND BUS				
						AØ=123650 BØ=122850 CØ=120290						GROUND WIRE (G)				

PANEL: PP-1  
LOCATION: ELEC. RM. 123  
FEEDER SOURCE: MDP

VOLTAGE: 208/120V, 225A 3Ø, 4W MLO  
ENCLOSURE: SURFACE MOUNTED WEQUIPMENT GND BAR  
BOLT-ON BRK 22000 AIC

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION		BREAKER		LOAD (VA)	AØ BØ CØ		LOAD (VA)	BREAKER		LOAD DESCRIPTION		THHN WIRE SIZE	CKT. NO.	
		LOCATION	AMP	POLE	POLE		AMP	LOCATION		AMP	POLE					
1	#4	CU #1		80	3	4350	AØ BØ CØ	AØ BØ CØ	4350	80	CU #4		#4	2		
3		15 TON				4350			4350		15 TON				4350	4
5						4350			4350						4350	6
7	#6	CU #2		50	3	2390	AØ BØ CØ	AØ BØ CØ	2390	50	CU #3		#6	8		
9		7.5 TON				2390			2390		7.5 TON				2390	10
11						2390			2390						2390	12
13	#10	CU #5		35	3	1450	AØ BØ CØ	AØ BØ CØ	1450	35	CU #6		#10	14		
15		5 TON				1450			1450		5 TON				1450	16
17						1450			1450						1450	18
19	#10	CU #8		30	3	1250	AØ BØ CØ	AØ BØ CØ	1450	35	CU #6		#10	20		
21		4 TON				1250			1450		5 TON				1450	22
23						1250			1450						1450	24
25	#6	CU #7		50	3	2390	AØ BØ CØ	AØ BØ CØ	1600	1	VIDEO PROJ. OUTLET		#12	26		
27		7.5 TON				2390			1600		VIDEO PROJ. OUTLET				1600	28
29						2390			1600		SPARE				1600	30
31	#10	ELEC. WATER HEATER		30	2	1800	AØ BØ CØ	AØ BØ CØ	1800	2	ELEC. WATER HEATER		#10	32		
33		20 GALLON				1800			1800		20 GALLON				1800	34
35						1800			2200		ELEC. WATER HEATER				2200	36
37	#10	ELEC. WATER HEATER		30	2	1800	AØ BØ CØ	AØ BØ CØ	2200	2	ELEC. WATER HEATER		#8	38		
39		20 GALLON				1800			2200		40 GALLON				2200	40
41		SPARE				1800			2200		SPARE				2200	42
						TOTAL CONNECTED LOAD (VA)=90110						GROUND BUS				
						AØ=30670 BØ=29870 CØ=29870						GROUND WIRE (G)				

PANEL: LP-1  
LOCATION: ELEC. RM. 123  
FEEDER SOURCE: MDP

VOLTAGE: 208/120V, 200A 3Ø, 4W MLO  
ENCLOSURE: SURFACE MOUNTED WEQUIPMENT GND BAR  
BOLT-ON BRK 22000 AIC

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION		BREAKER		LOAD (VA)	AØ BØ CØ		LOAD (VA)	BREAKER		LOAD DESCRIPTION		THHN WIRE SIZE	CKT. NO.
		LOCATION	AMP	POLE	POLE		AMP	LOCATION		AMP	POLE				
1	#12	LIGHTING RM: 120, 121, 122, 123		20	1	1600	AØ BØ CØ	AØ BØ CØ	1600	1	20	LIGHTING RM: 119		#12	2
3	#12	LIGHTING RM: 118		20	1	1600			1600	1	20	LIGHTING RM: 113, 114, 115, 116, 117		#12	4
5	#12	LIGHTING RM: 100		20	1	1600	1600	1	20	LIGHTING RM: 129, 130, 131		#12	6		
7	#12	LIGHTING RM: 128		20	1	1600	1600	1	20	LIGHTING RM: 127		#12	8		
9	#12	LIGHTING RM: 126		20	1	1600	1600	1	20	LIGHTING RM: 105, 106, 107, 108, 124, 125		#12	10		
11	#12	LIGHTING WEST WALLWAY		20	1	1600	1600	1	20	LIGHTING REAR HALLWAY		#12	12		
13	#12	LIGHTING EAST WALLWAY		20	1	1600	1600	1	20	RECEPTACLES		#12	14		
15	#12	RECEPTACLES		20	1	1600	1600	1	20	RECEPTACLES		#12	16		
17	#12	RECEPTACLES		20	1	1600	1600	1	20	RECEPTACLES		#12	18		
19	#12	RECEPTACLES		20	1	1600	1600	1	20	LIGHTING RM: 101, 102, CRY ROOMS		#12	20		
21	#12	LIGHTING PORTE COCHERE		20	1	1600	1600	1	20	LANDSCAPE LIGHTING ON PHOTOCELL		#12	22		
23	#12	EXTERIOR WALL PACK LIGHTING ON PHOTOCELL		20	1	1600	1600	1	20	RECEPTACLES		#12	24		
25	#12	RECEPTACLES		20	1	1600	1600	1	20	RECEPTACLES		#12	26		
27	#12	RECEPTACLES		20	1	1600	1600	1	20	RECEPTACLES		#12	28		
29	#12	RECEPTACLES		20	1	1600	1600	1	20	RECEPTACLES		#12	30		
31	#12	RECEPTACLES		20	1	1600	1600	1	20	RECEPTACLES		#12	32		
33	#12	RECEPTACLES		20	1	1600	1600	1	20	RECEPTACLES		#12	34		
35	#12	RECEPTACLES		20	1	1600	1600	1	20	RECEPTACLES		#12	36		
37	#12	RECEPTACLES		20	1	1600	1600	1	20	RECEPTACLES		#12	38		
39	#12	RECEPTACLES		20	1	1600	1600	1	20	RECEPTACLES		#12	40		
41	#12	SPARE		20	1	1600	1600	1	20	SPARE		#12	42		
						TOTAL CONNECTED LOAD (VA)=67200						GROUND BUS			
						AØ=22400 BØ=22400 CØ=22400						GROUND WIRE (G)			

PANEL: LP-2  
LOCATION: ELEC. RM. 123  
FEEDER SOURCE: MDP

VOLTAGE: 208/120V, 225A 3Ø, 4W MLO  
ENCLOSURE: SURFACE MOUNTED WEQUIPMENT GND BAR  
BOLT-ON BRK 22000 AIC

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION		BREAKER		LOAD (VA)	AØ BØ CØ		LOAD (VA)	BREAKER		LOAD DESCRIPTION		THHN WIRE SIZE	CKT. NO.	
		LOCATION	AMP	POLE	POLE		AMP	LOCATION		AMP	POLE					
1	#12	SANCTUARY LIGHTING DIMMER A		20	1	1600	AØ BØ CØ	AØ BØ CØ	1600	1	20	SANCTUARY LIGHTING DIMMER B		#12	2	
3	#12	SANCTUARY LIGHTING DIMMER C		20	1	1600			1600	1	20	SANCTUARY LIGHTING DIMMER D		#12	4	
5	#12	SANCTUARY LIGHTING DIMMER E		20	1	1600	1600	1	20	SANCTUARY LIGHTING DIMMER F		#12	6			
7	#6	THEATRICAL LIGHTING		60	1	2880	AØ BØ CØ	AØ BØ CØ	2880	1	THEATRICAL LIGHTING		#6	8		
9						2880			2880						2880	10
11						2880			2880						2880	12
13	#6	THEATRICAL LIGHTING		60	1	2880	AØ BØ CØ	AØ BØ CØ	2880	1	THEATRICAL LIGHTING		#6	14		
15						2880			2880						2880	16
17						2880			2880						2880	18
19	#6	THEATRICAL LIGHTING		60	1	2880	AØ BØ CØ	AØ BØ CØ	2880	1	THEATRICAL LIGHTING		#6	20		
21						2880			2880						2880	22
23						2880			2880						2880	24
25	#12	STAGE MONITOR		20	1	1600	1600	1	20	STAGE MONITOR		#12	26			
27	#12	BAND MONITOR		20	1	1600	1600	1	20	BAND MONITOR		#12	28			
29	#12	BAND MONITOR		20	1	1600	1600	1	20	BAND MONITOR		#12	30			
31	#12	AUDIO EQ. RM. EDISON CIRCUIT		20	1	1600	1600	1	20	AUDIO EQ. RM. EDISON CIRCUIT		#12	32			
33	#12	AUDIO EQ. RM. EDISON CIRCUIT		20	1	1600	1600	1	20	AUDIO EQ. RM. EDISON CIRCUIT		#12	34			
35	#12	AUDIO EQ. RM. EDISON CIRCUIT		20	1	1600	1600	1	20	AUDIO EQ. RM. EDISON CIRCUIT		#12	36			
37	#12	AUDIO EQ. RM. EDISON CIRCUIT		20	1	1600	1600	1	20	AUDIO EQ. RM. EDISON CIRCUIT		#12	38			
39	#12	AUDIO MIXER EDISON CIRCUIT		20	1	1600	1600	1	20	AUDIO MIXER EDISON CIRCUIT		#12	40			
41	#12	LIGHTING MIXER EDISON CIRCUIT		20	1	1600	1600	1	20	VIDEO MIXER EDISON CIRCUIT		#12	42			
						TOTAL CONNECTED LOAD (VA)=87680						GROUND BUS				
						AØ=30080 BØ=30080 CØ=27520						GROUND WIRE (G)				