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EDWIN DEAN BELL  
A LICENSED PROFESSIONAL  
ENGINEER  
20706  
STATE OF MISSISSIPPI  
2/27/2015

Shiva Southaven  
Inc.

Lot 16 (Rev Lot 3) Southcrest  
Pkwy.  
Southcrest Subdivision  
Southaven, MS 38671

Phase  
Construction Documents

Holiday Inn Express &amp; Suites

120/208		VOLT:		3 Ø		PANEL:		4 WIRE,		TYPE: NOOD		A/C 22.00		BY:		SHEET:														
SURFACE		MOUNTED:				100 AMP MAIN		LUG ONLY				NEUTRAL SIZE AMPS 100		JOB #:		OF:														
														CHECKED BY: DB		DATE: 2/27/2015														
LOAD	KVA			REMARKS OR EQUIPMENT SERVED																KVA			LOAD							
	A	B	C	WIRE SIZE																A	B	C								
				TRIP AMPS																										
				POLES																										
				CIRCUIT NO.																										
L	0.9			CORRIDOR LIGHTS	12	20	1	1			2	1	20	12	RECEPTS - CORRIDOR	0.5			R	0.9	0.5									
L	1.1			CORRIDOR LIGHTS	12	20	1	3			4	1	20	12	RECEPTS - CORRIDOR		0.7		R	1.1	0.7									
				SPARE		20	1	5			6	1	20	12	RECEPTS - CORRIDOR			0.5	R											
O	1.5			REF-CO MACHINE *	12	20	1	7			8	1	20		SPARE										1.5					
M		0.1		EF-6	12	15	1	9			10	1	20		SPARE						0.1									
				SPARE		20	1	11			12	1	20	12	FIRE/SMOKES **			0.5	O						0.5					
				SPARE		20	1	13			14	1	20		SPARE															
				SPARE		20	1	15			16	1	20	12	RECEPT-CATV **		1.0		O						1.0					
				SPARE		20	1	17			18	1	20	12	RECEPT-18 **			1.0	O						1.0					
				SPARE		20	1	19			20	1	20	12	FACP EXTENDER **	0.5			O						0.5					
				SPARE		20	1	21			22	1	20		SPARE															
				SPARE		20	1	23			24	1	20		SPARE															
				SPARE		20	1	25			26	1	20		SPARE															
				SPARE		20	1	27			28	1	20		SPARE															
				SPARE		20	1	29			30	1	20		SPARE															
				SUBTOTALS																1.0	1.7	2.0								
				TOTALS																8.4					2.0	1.8	0.1			4.5
LOAD	KVA			CONNECTED	D.F.	KVA NET			CALCULATIONS:																8.9	/	0.36	24.7A		
LIGHTING	2.0			1.25	2.5																									
RECEPTS	1.8			1.00	1.8																									
NOTES:	0.0			0.50	0.0																									
MOTORS	0.1			1.00	0.1																									
LARGEST MOTOR	0.0			1.75	0.0																									
HEAT	0.0			1.00	0.0																									
KITCHEN	0.0			0.65	0.0																									
OTHER	4.5			1																										
SPARE	0.0			1.00	0.0																									
TOTAL	8.4				8.9																									

12/20/08		VOLT: 240		4 WIRE		TYPE: NYQC		A/C: 42.00		BY: [redacted]		SHEET									
SURFACE MOUNTED		225 AMP MAIN		LUG ONLY		NEUTRAL SIZE AMPS		225		CHECKED BY: DB		DATE: 2/27/2015									
REMARKS OR EQUIPMENT SERVED																					
Q LOAD	KVA			WIRE SIZE										KVA			LOAD				
	A	B	C	TRIP AMPS										A	B	C					
				POLES																	
CIRCUIT NO.																					
M	2.7		HP-1	8	45	2	1	1	2	2	15	12	SSO-1	1.5		M	4.2				
M		2.7				2	3	4	4					1.5		M	4.2				
M			0.9 HP-2	12	15	2	5	6	6	2	15	12	SSO-2		1.5	M	2.4				
M	0.9						7	8	8					1.5		M	2.4				
M		3.5	HP-3	8	60	2	9	10	2	15	12	SSO-3			1.5	M	5.0				
M			3.5				11	12								M	5.0				
M	0.9		HP-4	12	15	2	13	14	1	20			SPARE				0.9				
M		0.9					15	16	1	20			SPARE				0.9				
M			1.6 HP-5	10	25	2	17	18	1	20			SPARE				1.6				
M	1.6						19	20	1	20			SPARE				1.6				
M		1.9	HP-6	10	30	2	21	22	1				SPARE ONLY				1.9				
M			1.9				23	24	1				SPARE ONLY				1.9				
M	2.7		HP-7	8	45	2	25	26	1				SPARE ONLY				2.7				
M		2.7					27	28	1				SPARE ONLY				2.7				
M			1.6 HP-8	10	25	2	29	30	1				SPARE ONLY				1.6				
M	1.6						31	32	1				SPARE ONLY				1.6				
R		0.7	ROOF RECPTS.	12	20	1	33	34	1				SPARE ONLY				0.7				
R			0.5 ROOF RECPTS.	12	20	1	35	36	1				SPARE ONLY				0.5				
			SPARE				20	1	37	38				6.1	6.1	M	6.1				
			SPARE				20	1	39	40	3	60	6	MUA-1			6.1				
			0.4 DAMPERS	12	20	1	41	42							6.1	M	6.5				
SUBTOTALS																					
TOTALS														60.4				0 1.3 59.1 0.0 0 0.0 0			
LOAD		KVA CONNECTED		D.F.		KVA NET		CALCULATIONS:						60.4		/ 0.36		167.7 A			
LIGHTING		0		1.25		0.0															
RECEPTACLES		1.3		1.00		1.3															
RECEPTACLES		0.0		0.50		0.0															
MOTORS		59.1		1.00		59.1															
LARGEST MOTOR		0		1.75		0.0															
HEAT		0.0		1.00		0.0															
KITCHEN		0		0.65		0.0															
OTHER		0.0		1.00		0.0															
SPARE		0		1.00		0.0															
TOTAL		60.4				60.4															

4D	4E	4F
4G	4M	—
—	—	—