	BY: SHEET:		BY: SHEET:	PANEL: 4F	BY: SHEET:
120/208 V OLT! 3 Ø 4 WRE, TY PE: NQOD AIC: 22,000 SURFACE MOUNTED, 100 AMP MAIN LUG ONLY NEUTRAL SIZE AMPS 100	JOB #: OF: 0 CHECKED BY DB DATE 2/27/2015	120/208 V OLT: 3 Ø 4 WRE, TY PE: NQOD SURFACE MOUNTED. 100 AMP MAIN LUG ONLY	A IC: 22,000 JOB #: OF: NEUTRAL SIZE AMPS 100 CHECKED BY: DB DA TE: 2/27/2015	120/208 V OLT: 3 Ø 4 WIRE, TY PE: NQOD SURFACE MOUNTED. 200 AMPMAIN LUG ONLY	AIC: 22,000 JOB #: OF: NEUTRAL SIZE AMPS 200 CHECKED BY DB DA TE: 2/27/2015
REMARKS OR FOURIENT SERVED	KVA		kv a		KV/A
KVA WRE SIZE KVA		KVA WRE SIZE	KVA KVA	KVA WRE SIZE	KVA
		CIRCUIT NO.	A B C - S S S S S S S S S S S S S S S S S S		▶ ■ ○ □ □ ₩ 5 □ □ E ○ ⋈
	ō				
SPARE 20 1 1 2 1 20 12 DOUBLE QUEEN 430 * 1.2 S		L 0.9 CORRIDOR LIGHTS 12 20 1 1 2 1 20 12 RECEPTS - CORF		H 1.5 PTAC-A 12 15 2 1 2 2 15 12 PTAC-A	1.5 H 2.9
SPARE 20 1 3 - 4 1 20 12 DOUBLE QUEEN 430 1.0 S	1.0	L 1.1 CORRIDOR LIGHTS 12 20 1 3 - 4 1 20 12 RECEPTS - CORF			1.5 H 2.9
SPARE 20 1 5 6 1 20 12 DOUBLE QUEEN 430 1.0 S SPARE 20 1 7 8 1 20 12 DOUBLE QUEEN 430 1.0 S	1.0	O 1.5 SPARE 20 1 5 6 1 20 12 RECEPTS - CORF O 1.5 REC.ICE MACHINE * 12 20 1 7 8 1 20 SPARE	NDOR 0.5 R 0.5 1.5	H 1.5 PTAC-A 12 15 2 5 $+-$ 6 2 15 12 PTAC-A H 1.5 H H 1.5 H	1.5 H 2.9 1.5 H 2.9
SPARE 20 1 9 - + - 10 1 20 12 DOUBLE QUEEN 430 0.8 S	0.8	M 0.1 EF-6 12 15 1 9 - 10 1 20 SPARE	0.1	H 1.5 PTAC-A 12 15 2 9 + - 10 2 15 12 PTAC-A	1.5 H 2.9
S 1.2 DOUBLE QUEEN 420 * 12 20 1 11 + - 12 1 20 12 DOUBLE QUEEN 432 * 1.2 S	2.3	SPARE 20 1 11 +		H 1.5	1.5 H 2.9
S 1.0 DOUBLE QUEEN 420 12 20 1 13 - 14 1 20 12 DOUBLE QUEEN 432 1.0 S	2.0	SPARE 20 1 13 14 1 20 SPARE		H 1.5 PTAC-A 12 15 2 13 14 2 15 12 PTAC-A	1.5 H 2.9
S 1.0 DOUBLE QUEEN 420 12 20 1 15 - 16 1 20 12 DOUBLE QUEEN 432 1.0 S	2.0	SPARE 20 1 15 - 16 1 20 12 RECEPT-CATV **	e 1.0 O 1.0	H 1.5 15 16	1.5 H 2.9
S 1.0 DOUBLE QUEEN 420 12 20 1 17 - 18 1 20 12 DOUBLE QUEEN 432 1.0 S	2.0	SPARE 20 1 17 -^- 18 1 20 12 RECEPT-TB **	1.0 O 1.0	H 1.5 PTAC-A 12 15 2 17 - 18 2 15 12 PTAC-A	1.5 H 2.9
S 0.8 DOUBLE QUEEN 420 12 20 1 19 - 4 20 1 20 12 DOUBLE QUEEN 432 0.8 S	1.5	SPARE 20 1 19	•** 0.5 O 0.5	H 1.5 19 20	1.5 H 2.9
S 1.2 DOUBLE QUEEN 426 * 12 20 1 21 - 2 2 1 20 12 KING X 434 * 1.2 S	2.3	SPARE 20 1 21		H 1.5 PTAC-A 12 15 2 21 - 4 - 22 2 15 12 PTAC-A	1.5 H 2.9
S 1.0 DOUBLE QUEEN 426 12 20 1 23	2.0	SPARE 20 1 23		H 1.5 PTACA 12 15 2 25 - 4 24 26 2 15 12 PTACA	1.5 H 2.9 1.5 H 2.9
S 1.0 DOUBLE QUEEN 426 12 20 1 27 28 1 20 12 KING X 434 1.0 S	2.0	SPARE 20 1 20 1 20 3FARE SPARE 20 1 27		H 15	1.5 H 2.9
S 0.8 DOUBLE QUEEN 426 12 20 1 29 30 1 20 12 KING X 434 0.8 S	1.5	SPARE 20 1 29 -^- 30 1 20 SPARE		H 1.5 PTAC-A 12 15 2 29 30 2 15 12 PTAC-A	1.5 H 2.9
S 1.2 DOUBLE QUEEN 428 * 12 20 1 31 - 4 - 32 1 SPACE ONLY	1.2			H 1.5 31 - 1.5 32	1.5 H 2.9
S 1.0 DOUBLE QUEEN 428 12 20 1 33 + - 34 1 SPACE ONLY	1.0			H 1.5 PTAC-A 12 15 2 33 + - 34 2 15 12 PTAC-A	1.5 H 2.9
S 1.0 DOUBLE QUEEN 428 12 20 1 35	1.0			H 1.5 35 36	1.5 H 2.9
S 1.0 DOUBLE QUEEN 428 12 20 1 37 38 1 SPACE ONLY	1.0			H 1.5 PTAC-A 12 15 2 37 -^- 38 2 15 12 PTAC-A H 1.5 <td< td=""><td>1.5 H 2.9</td></td<>	1.5 H 2.9
S 0.8 DOUBLE QUEEN 428 12 20 1 39	0.8			H 1.5 $39 = -4 - 40$ SPACE ONLY 1 41 =42 1 SPACE ONLY	1.5 H 2.9
4.9 4.9 <td></td> <td>2.4 1.2 0.0 SUBTOTALS</td> <td>1.0 1.7 2.0</td> <td>10.3 10.3 8.8 SUBTOTALS</td> <td>10.3 10.3 8.8</td>		2.4 1.2 0.0 SUBTOTALS	1.0 1.7 2.0	10.3 10.3 8.8 SUBTOTALS	10.3 10.3 8.8
TOTALS 29.4	0 0 0 0 29.4	TOTALS	8.4 2.0 1.8 0.1 4.5	TOTALS	58.7 0 0 58.7 0 0 0
LOAD KVA CONNECTED D.F. KVA NET		LOAD KVA CONNECTED D.F. KVA NET		LOAD KVA CONNECTED D.F. KVA NET	
LIGHTING 0.0 1.25 0.0 CALCULATIONS: 13.8 / 0	.36 38.2 A	LIGHTING 2.0 1.25 2.5 CALCULATIONS:	8.9 / 0.36 24.7 A	LIGHTING 0 1.25 0.0 CALCULATIONS:	58.7 / 0.36 162.9 A
RECEPTACLES 0.0 1.00 0.0		RECEPTACLES 1.8 1.00 1.8		RECEPTACLES 0.0 1.00 0.0	
RECEPTACLES 0.0 0.50 0.0 NOTES:		RECEPTACLES 0.0 0.50 0.0 NOTES:		RECEPTACLES 0.0 0.50 0.0 NOTES:	
MOTORS 0 1.00 0.0 1 * - INDICATES ARC FAULT BREAKER	29400 FIRST 20000 AT 50% 10000.0	MOTORS 0.1 1.00 0.1 1 ** - INDICATES BREAKER WITH LOCK		MOTORS 0 1.00 0.0	
LARGEST MOTOR 0.0 1.75 0.0 2 DEMAND FACTOR FOR GUESTROOM LOADS PER NEC TA BLE 220.42 HEAT 0 1.00 0.0 1.00	UP TO 100,000 A T 40% 3760.0 REMA INDER A T 30% 0	LARGEST MOTOR 0.0 1.75 0.0 2 * - INDICATES GFCI RATED BREAKER HEAT 0.0 1.00 0.0 1 0.0 1 0.0 1 0.0 1 0.0 0.0 1 0.0 0.0 1 1 0.0 0.0 1 0.0 0.0 1 0.0 0.0 1 0.0 0.0 1 0.0 0.0 1 0.0 0.0 1 0.0 0.0 1 0.0 0.0 1 0.0 0.0 1 0.0 0.0 1 0.0 0.0 1 0.0 0.0 1 0.0 0.0 1 0.0 0.0 1 0.0 0.0 1 0.0 0.0 1 0.0 0.0 1 0.0 1 0.0 1 0.0 1 0.0 1 0.0 1 0.0 1 0.0 1 0.0 1 0.0 1 0.0 1 1 1 <td< td=""><td></td><td>LARGEST MOTOR 0.0 1.75 0.0 HEA T 58.7 1.00 58.7</td><td></td></td<>		LARGEST MOTOR 0.0 1.75 0.0 HEA T 58.7 1.00 58.7	
KITCHEN 0 0.65 0.0	13760	KITCHEN 0.0 0.65 0.0		KITCHEN 0 0.65 0.0	
OTHER 0 1.00 0.0	10/00	OTHER 4.5 1.00 4.5		OTHER 0 1.00 0.0	
GUESTROOMS 29.4 NEC 13.8		SPARE 0.0 1.00 0.0		SPA RE 0 1.00 0.0	
TOTAL 29.4 13.8		TOTAL 8.4 8.9		TOTAL 58.7 58.7	
PANEL: 4G	BY: SHEET:	PANEL: 4M	BY: SHEET:		
120/208 VOLT: 3 💋 4 WIRE, TYPE: NQOD AIC: 22,000	JOB #: OF:	120/208 V OLT: 3 💋 4 WRE, TYPE: NQOD	AIC: 42,000 JOB #: OF:		
SURFACE MOUNTED, 200 AMP MAIN LUG ONLY NEUTRAL SIZE AMPS	200 CHECKED BY: DB DATE: 2/27/2015	SURFACE MOUNTED, 225 AMP MAIN LUG ONLY	NEUTRAL SIZE AMPS 225 CHECKED BY: DB DA TE: 2/27/2015		
KVA REMARKS OR EQUIPMENT SERVED KVA	KVA	KVA REMARKS OR EQUIPMENT SERVED	KVA KVA		
VVIRE SIZE		WIRE SIZE			
A B C FRAME SIZE A B C	NOT REG COLLIGE		A B C A TIC A A A A A A A A A A A A A A A A A A A		
	— ш 2 х - С				
H 1.5 PTAC-A 12 15 2 1 - · · · · · · · · · · · · · · · · · ·	1.5	M 2.7 HP-1 8 45 2 1 -Λ+π-Λ- 2 2 15 12 SSO-1	1.5 M 4.2		
H 1.5 PTAC-A 12 15 2 1 3 1 SPACE ONLY Image: Constraint of the second seco	1.5	M 2.7 3 -~+ ~ 4	1.5 M 4.2		
H 1.5 PTAC-A 12 15 2 5 - 7 1 SPACE ONLY	1.5	M 0.9 HP-2 12 15 2 5 - 6 2 15 12 SSO-2	1.5 M 2.4		
H 1.5 7 9 1 SPA CE ONLY	1.5	M 0.9 7 - 7+ 8	1.5 M 2.4		
H 1.5 PTAC-A 12 15 2 9	1.5	M 3.5 HP-3 6 60 2 9 - 10 2 15 12 SSO-3	1.5 M 5.0		

Η	1		1.5	PTAC-	A	12	15	2	5	+	₩n.	- [7 1		SPACE ONLY			1					1.	5			
Н	1.5								7	-~+	Hη	-	9 1		SPACE ONLY								1.	5			
Η	1	1.5		PTAC-	A	12	15	2	9	-~+	hr	-	11 1		SPACE ONLY								1.	5			
Н			1.5	•					11	_^+	h۳.	- 1	13 1		SPACE ONLY								1.	5			
Η	1.5			PTAC-	A	12	15	2	13	-^+	HΛ	- 1	15 1	1	SPACE ONLY	1							1.	5			
Н		1.5							15	-~+			17 1		SPACE ONLY			1					1.	5			
Н			1.5	PTAC-	A	12	15	2	17	-~+	₩n-	- 1	19 1		SPACE ONLY			1					1.	5			
H	1.5			-					19	-^+	₽'n	- 2	21 1		SPACE ONLY								1.	5			
Η	1	1.5		PTAC-	A	12	15	2	21	-~-	h	- 🖸	23 1		SPACE ONLY								1.	5			
Н			1.5						23	-^+	₩n-	- 2	25 1		SPACE ONLY								1.	5			
Н	1.5			PTAC-	A	12	15	2	25	-^+	₽'n	- 2	27 1		SPACE ONLY			1					1.	5			
Н		1.5							27		h	- 2	29 1		SPACE ONLY								1.	5			
H			1.5	PTAC-	A	12	15	2	29	-^+	₩^-	- 🖸	31 1	1	SPACE ONLY	1							1.	5		*****	
Η	1.5								31	<u>-</u> ^∔	╟へ	- 3	33 <mark>1</mark>		SPACE ONLY								1.	5			
H		1.5		PTAC-	A	12	15	2	33	-^+	T		35 1		SPACE ONLY			1					1.	5			
Н			1.5						35	-~+	l∳~	- :	37 1		SPACE ONLY								1.	5			
Н	1.5			PTAC-	A	12	15	2	37	-^+	₽~-	- 3	39 1		SPACE ONLY								1.	5			
Н		1.5							39		╟╲	- 7	41 1		SPACE ONLY					I			1.	5			
				SPACE	ONLY			1	41	LAT	l ↓ ∩	- 4	43 1		SPACE ONLY												
	10.3	10.3	8.8						S	SUBT	DTAI	LS				0	0.0	0.0									
														TOT	ALS			29.3	}	0	0.0	0	29	.3 0	0	0	(
OAD)				KV A CONNEC	TED	D.F.		KVA	NET																	
IGHT	ING				0		1.25			0.0			CALCUL	ATIONS	C	29.	3	1	0.36	8	1.5 A						
RECE	PTACLE	S			0.0		1.00			0.0																	
RECE	PTACLE	S			0.0		0.50			0.0			NOTES:														
MOTORS 0			1.00			0.0																					
LARGEST MOTOR 0.0			1.75			0.0																					
HEAT					29.3		1.00			29.3																	
KITCH	IEN				0		0.65			0.0																	
DTHE	R				0		1.00			0.0																	
SPAR	E				0		1.00			0.0																	
FOTA	1				29.3					29.3																	

								PANE	L.	4											BY:			5	HEET:		
1:	20/208			V OLT:		3 Ø	4	WRE,			Т	YPE: N	QOD				AIC: 42,0	00			JOB #	t :			OF:		
SUF	RFACE			MOUN	TED,			225	AMP	MAIN	1	LUG C	ONLY				NEUTF	AL SIZ	E AMPS	225	CHEC	KED BY	: DB		DA TE:	2/27	/201
		KV A			REMARKS OR EQUIPMENT SERVEL								RVED					KVA				KVA					
~							<i>.</i>	WIRE												S	(0)		7	1212			
LOAD										TRIP										LOAD	LIGHTS	RECEPTS	MOTORS	5	KITCHEN	OTHER	SPARE
2	A	В	С								LES						A	В	С	Ľ Ľ	Ō	ö	Ě	HEAT	U T O	Ę	PA
									C	CIRCU	IT NC).										Ř	ž	-	Ā	U	0
									<u> </u>	~	~	-															
M	2.7			HP-1		8	45	2	1	_ _	ΠĽ		2	15	12	SSO-1	1.5			M			4.2	•			
M		2.7							3			4						1.5		M			4.2				
M			0.9	HP-2		12	15	2	5		÷ ۲	6	2	15	12	SSO-2			1.5	M			2.4				
M	0.9		ļ						7		T_	8				222.2	1.5			M			2.4				
M		3.5		HP-3		6	60	2	9			10	2	15	12	SSO-3		1.5		M			5.0				
M			3.5						11			12		~~		204.05			1.5	M			5.0				
M	0.9			HP-4		12	15	2	13				1	20		SPARE							0.9				
M		0.9						-	15				1	20		SPARE							0.9				
M			1.6	HP-5		10	25	2		~	t -		1	20		SPARE							1.6				
M	1.6								19	-^+	T_		1	20		SPARE							1.6				
M		1.9		HP-6		10	30	2	21				1			SPACE ONLY				-			1.9				
M			1.9					_	20			24	1			SPACE ONLY							1.9				
M	2.7			HP-7		8	45	2	25	•	T_		1			SPACE ONLY							2.7				
M		2.7					ļ		27	~_4			1			SPACE ONLY							2.7				
M			1.6	HP-8		10	25	2	29	<u>~</u>		10101	1			SPACE ONLY							1.6				
M	1.6								31	~~•			1			SPACE ONLY							1.6				
R		0.7			RECEPTS.	12	20	1		1			1			SPACE ONLY						0.7					
R			0.5		RECEPTS.	12	20	1	100		1		1		••••••	SPACE ONLY						0.5					
				SPARE			20	1	÷			38		00			6.1	÷		M			6.1				
				SPARE		40	20	1	39			40	3	60	6	MUA-1		6.1		M			6.1				
M	10.1	10.5		DAMP	ERS	12	20	1	41			42				L			6.1	M			6.5				
	10.4	12.5	10.4						2	UBTO	JIAL	5			TOTAL	0	9.0	9.0	9.0 60.4		0	1.3	59.1	0.0	0	0.0	0
LOAD	_				KVA CONNE	TED	D.F.		KVA	NET					IUTAL	3			00.4		U	1.0	09.1	0.0	U	0.0	U
							1.25			0.0		0	ALCU		MIC-		60.4		1	0.36	10	7.7 A					
	TACLE				1.3		1.25			1.3		G	ALUU		JNO.		00.4		I.	0.30	01 0	1.1 A					
	TACLE				0.0		0.50			0.0		М	OTES														
MOTO		=3			59.1		1.00			59.1										DOLLOU					ONTAC		
	EST MO						.ş									QUIREMENTS WITH								IALL U	ONTAC	JURF	OR
HEAT		JUR			0.0		1.75			0.0		в	ULDI	NO MC	UNTEL) Sign Lighting.	CONTACTO		INULED		ULUUR	ν.					
					0.0					0.0																	
KITCH OTHE					0.0		0.65			0.0																	
SPAR					0.0		1.00			0.0																	
TOTAL					60.4		1.00			60.4																	

2905-D Queen City Dr. Charlotte, NC 28208 P: (704) 399-3943 F: (704) 394-5648 www.allied-engineers.com Allied #14417



M I S H R A ARCHITECTURE PLLC

6800 S Creek Rd, Charlotte, NC 28277 Ph: (704) 625-6554 Fax: (704) 919-5822 EMAIL:ashish@mishraarch.com WEB: www.mishraarch.com

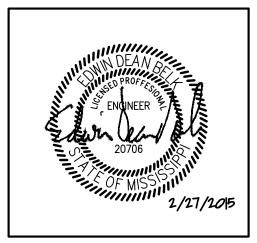
<u>CIVIL:</u> Benchmark Engineering and Surveying 101 Highpointe Court, Suite B Brandon, MS 39042 Phone: (601) 591-1077 Fax: (601) 591-0177 Email:mikebes@bellsouth.net

<u>STRUCTURAL:</u> WGPM, Inc. 11220 Elm Lane, Suite 201 Charlotte, NC 28277 Phone: (704) 542-7199 Fax: (704) 542-7195 Email: lwright@wgpminc.com

<u>MEP:</u> Allied Consulting Engineers 2905-D Queen City Drive Charlotte, NC 28208 Phone: (704) 399-3943 Email: asoler@allied-engineers.com

	REVISIONS											
No.	Date	Description										
1												

Information contained on this drawing and in all digital files associated is authorized for use on the project named herein only and is the property of MISHRA ARCHITECTURE PLLC and may not be reproduced in any manner without express written or verbal permission from authorized individuals. Original drawing is 24"x36" and scales are as indicated. ©2013 MISHRA ARCHITECTURE PLLC



KEY PLAN

Shiva Southaven Inc.

Holiday Inn Express & Suites

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

Drawing Title

ELECTRICAL PANEL SCHEDULES

1 Have	
Construction Docume	nts

Project No.	14-081	Sheet No.
Prepared by	MAH	E505
Checked by	EDB	E305
^{Date} Feb	. 27, 2015	

4D	4E	4F	
4G	4M	_	
_	_	_	