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

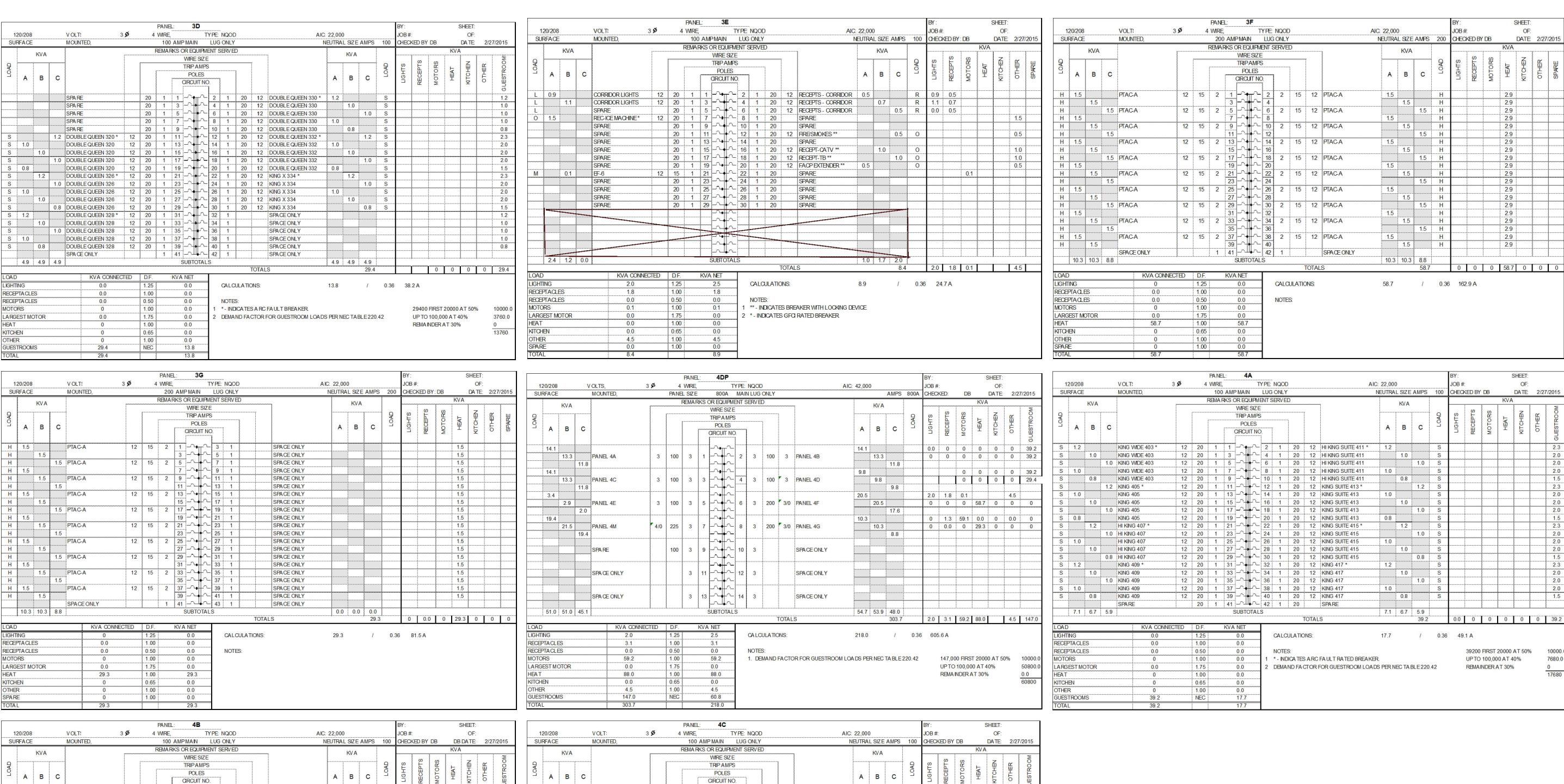
DATE 2/27/2015

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DATE: 2/27/2015





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	2.3		S	1.2			DOUBL	E QUEEN 404 *	12	20	1	1	_∵•₁		2	1	20	12		OUBLE QUEEN 412 *	1.2			S		<u> </u>		 	ļ		2.3	
	2.0		S		1.0		DOUBL	E QUEEN 404	12	20	1	3			4	1	20	12	C	OUBLE QUEEN 412		1.0		S				†			2.0	
	2.0	***	S			1.0	DOUBL	E QUEEN 404	12	20	1	5	<u>[-</u> ~#	<u>-</u> ^_	6	1	20	12	С	OUBLE QUEEN 412		·····	1.0	S	***************************************	**********		***************************************			2.0	
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	2.0	ļ	S			1.0	DOUBL	LE QUEEN 408	12	20	1	23	<u> </u> -^#	• ^−	24	1	20	12	E	BL QUEEN STE 416			1.0	S							2.0	
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	2.0		S		1.0		DOUBL	LE QUEEN 408	12	20	1	27			28	1	20	12	C	BL QUEEN STE 416		1.0		S							2.0	
	1.5	***	S			8.0	DOUBL	E QUEEN 408	12	20	1	29	ì-0+	- ∩-Ì	30	1	20	12		BL QUEEN STE 418 *			0.8	S	***************************************						1.5	
	2.3		S	1.2			HI DOU	JB. QUEEN 410 *	12	20	1	31			32	1	20	12	C	BL QUEEN STE 418	1.2			S							2.3	
	2.0		S		1.0		HI DOU	JB. QUEEN 410	12	20	1	33	1	II :	34	1	20	12		BL QUEEN STE 418		1.0		S							2.0	
	2.0		S			1.0	HI DOU	JB. QUŒN 410	12	20	1	35	: 11	T	36	1	20	12	C	BL QUEEN STE 418			1.0	S							2.0	
	2.0		S	1.0			HI DOU	JB. QUEEN 410	12	20	1	37	<u></u> -^•		38	1	20	12		BL QUEEN STE 418	1.0			S							2.0	
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							SPACE	EONLY			1	41	للحـــ[₊ ∿₋	42	1			S	SPACE ONLY												
		[7.1	6.7	5.9						5	SUBTO	OTALS	3						7.1	6.7	5.9			_						
0	39.2						***************************************								144444444444	***************************************		TOTA	LS				39.2	191-190-200-201-191-190-200-			0	0	0	0	39.2	
		L	LOAD					KVA CONNECT	TED	D.F.		KVA	NET																			
		Ī	LIGHTI	٧G				0.0		1.25			0.0		9	CALC	JLATIC	NS:			17.7		1	0.36	49	.1 A						
		F	RECEPTA CLES				0.0		1.00			0.0																			1	
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	10000.0	I	MOTOR	RS				0		1.00			0.0		1	* - IND	ICA TES	SARC	CFA	AULT BREAKER						3920	FIRST	20000	AT 509	6	10000.0	
	7680.0	L	LARGEST MOTOR				0.0	1.75				0.0		2	DEMA	ND FA	CTOR	FO	R GUESTROOM LOADS	PERN	EC TA	BLE 220	.42		UP TO	100,00	00 AT 4	7680.0				
	0	F	HEAT	EAT				0		1.00		0.0		REMAINDER AT 30%							, D	0										
	17680	ŀ	KITCHE	N				0.6		0.65		0.0																			17680	
			OTHER					0		1.00			0.0																			
		(GUESTROOMS				39.2		NEC			17.7																				
		1	TOTAL					39.2					17.7																			

S 1.2 KING 421 *
S 1.0 KING 421
S 1.0 KING 421

S 1.0 KING 421
S 1.0 KING 421
S 0.8 KING 421
S 1.2 KING 423 *
S 1.0 KING 423
S 1.0 KING 423
S 1.0 KING 423
S 1.0 KING 423
S 0.8 KING 423
S 0.8 KING 423
S 1.0 KING 425
S 1.0 KING 425
S 1.0 KING 425
S 1.0 KING 425

1.0 KING 425

1.0 KING 427 1.0 LING 427

7.1 6.7 5.9

RECEPTA CLES RECEPTA CLES MOTORS

LARGEST MOTOR

GUESTROOMS

0.8 KING 425 KING 427 *

12 20 1 1 1 - 1 2 1 20 12 KING 429 *

12 20 1 5 - 6 1 20 12 KING 429

12 20 1 7 8 1 20 12 KING 429 12 20 1 9 10 1 20 12 KING 429

12 20 1 11 - 12 1 20 12 KING 431 *
12 20 1 13 - 14 1 20 12 KING 431
12 20 1 15 - 16 1 20 12 KING 431

12 20 1 17 - 18 1 20 12 KING 431

12 20 1 21 - 22 1 20 12 KING 433 * 12 20 1 23 - 24 1 20 12 KING 433 12 20 1 25 - 26 1 20 12 KING 433

12 20 1 27 - 28 1 20 12 KING 433

12 20 1 29 - 30 1 20 12 KING 433

12 20 1 33 - 34 1 20 12 KING 435

12 20 1 35 - 36 1 20 12 KING 435

12 20 1 37 - 38 1 20 12 KING 435 12 20 1 39 - 40 1 20 12 KING 435

SUBTOTALS

KVA CONNECTED D.F. KVA NET

20 1 41 - 42 1 20 SPARE

TOTALS

* - INDICATES ARC FAULT BREAKER.

DEMAND FACTOR FOR GUESTROOM LOADS PER NEC TABLE 220.42

CALCULATIONS:

12 20 1 31 - 32 1 20 12 KING 435*

3 -^ + - 4 1 20 12 KING 429

0.8

1.0

0.8

17.7 / 0.36 49.1 A

0 0 0 0 0 0 39.2

39200 FIRST 20000 AT 50%

UP TO 100,000 AT 40% REMAINDER AT 30%

7.1 6.7 5.9

			•
3D	3E	3F	
3G	DP4	4A	
4B	4C		
			•



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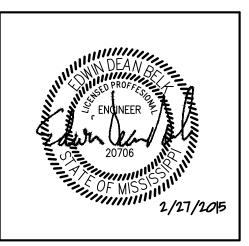
CIVIL:
Benchmark Engineering and Surveying 101 Highpointe Court, Suite B Brandon, MS 39042 Phone: (601) 591-1077 Fax: (601) 591-0177 Email:mikebes@bellsouth.net

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

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

	REVI	SIONS
No.	Date	Description
1		

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KEY PLAN

Shiva Southaven

Holiday Inn Express & Suites

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

Drawing Title

ELECTRICAL PANEL SCHEDULES

Construction Documents

roject No	0.	14-081	Sheet No.		
repared	by	MAH	E504		
hecked	by	EDB	E304		
ate	Feb.	27. 2015			