

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

SHEET:

DATE: 6/7/2016

JOB #:

 7.6
 7.6

 47.0
 0.6

 2.7
 37.6

 2.8
 3.3

NEUTRAL SIZE AMPS 200 CHECKED BY: DB



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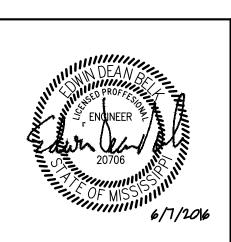
STRUCTURAL: WGPM, Inc.

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

	REVI	SIONS
No.	Date	Description
1	4/6/16	Overflow Drains
2	6/7/16	Owner Changes

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KEY PLAN

Shiva Southaven

Holiday Inn Express & Suites

Lot 16 (Rev Lot 3) Southcrest Southcrest Subdivision

Southaven, MS 38671

Drawing Title

ELECTRICAL PANEL SCHEDULES

Construction Documents

oject No	14-081	Sheet No.
epared l	^{Dy} MAH	EE01
ecked b	Dy EDB	E501
te r	ab 27 2015	

		SUBT	OTALS 417.0 408.2 374.8							
NDICATES SHUNT TR	RIP BREAKER	1200.0 TOT	TALS 1200.0 39.4 25.1 224.3	3 384.8 15.2 45.6 46	5.5					
AD	KVA CONN. D.F. KVA NE	T								
HTING	39.4 1.25 49.3	CALCULATIONS:	1014.2 / 0.36 2817.1 A							
CEPTACLES	10.0 1.00 10.0									
CEPTACLES	15.1 0.50 7.5	NOTES:								
TORS	224.3 1.00 224.3	1 *-INDICATES SHU	UNT TRIP BREAKER 465500 FIRS	T 20000 AT 50% 10000	0.0					
RGEST MOTOR	54.0 1.75 94.5	2 PANELLISTEDUL	L RATED FOR SERVICE ENTRANCE. UP TO 100,0	000 AT 40% 17820	0.00					
AT	384.8 1.00 384.8	3 ** - PROVIDE ISOL	LATED GROUNDING BAR IN PANEL REMAINDER	RAT 30% 0.0						
CHEN	15.2 0.65 9.9	4 DEMAND FACTOR	R FOR GUESTROOM LOADS PER NEC TABLE 220.42	2 18820	00					
HER	45.6 1.00 45.6									
ESTROOMS	465.5 NEC 188.2									
TAL	1254.0 1014.2	2								
		DANIEL: A			BY:	SHEET: 3		PANEL: P	BY:	SHEET:
400/000	VOLTE 2.6	PANEL: OL		AIO 20 000	T-000-000 - 500	A CANADA	120/208 VOLTS		IC: 22.000 JOB #:	OF:
120/208	VOLTS 3 Ø	4 WRE,		AIC: 30,000	JOB #:	OF: 33	·····		NEUTRAL SIZE AMPS 200 CHECKED BY: DB	
SURFACE	MOUNTED,	200 AMP MAIN		NEUTRAL SIZE AMPS	200 CHECKED BY DE	Constitution and a second seco	SURFACE MOUNTED,	200 AMP MAIN LUG ONLY	NEU IRAL SIZE AWPS 200 CHECKED BT. DB	TO STATE OF THE ST
KVA		REMARKS OR EQUIP		KVA		KVA	KVA	REMARKS OR EQUIPMENT SERVED	KVA	KVA
		WIRE SI	***************************************		0 0	0 7		WRE SIZE		ω Z "
ξ		TRIP AM			AS F		ОАО	TRIP AMPS	NA PER INTERPRETATION	R A A A A A A A A A
A B	С	POLES		A B C	LIGHT C	MOTA HE SPA	A B C	POLES		MOTO HEA OTHE
		CIRCUIT	NO.			2 2 0 W		CIRCUIT NO.		Σ Υ " "
		<u> </u>	_				<u> </u>	0. 0 0 4 00 40 DOG! CONTEDULED		
L 1.02	SITE LIGHTING * 8		2 1 20 10 BUILDING SIGN	1.20	L 2.22		M 1.3	1 - 2 1 20 12 POOL CONTROLLER		1.3 0.3
L 1.02		·§	4 1 20 10 BUILDING SIGN	1.20	L 2.22		M 1.3 POOL PUMP 3 HP *	12 20 3 3 - 4 1 20 SPARE		1.3
	.54 SITE LIGHTING * 8	i immumi	6 1 20 10 BUILDING SIGN	1.20	L 2.74		M 1.3	5 6 1 20 12 POOL RECEPTS	0.8 R 0.8 1.	.3
L 1.54		7 -^+-/	\$	1.50	H 1.54	1.50	SHUNT TRIP SPACE	1 7 - 8 1 20 12 POOL LIGHTS **	1.0 L 1.0	
L 1.27		20 2 9		1.50	H 1.27	1.50	SPARE	20 1 9 - 10 1 20 12 POOL RECEPTS	0.9 R 0.9	
	.27	11 -2 -		0.70	L 1.97		SPARE	20 1 11 - 12 1 20 12 POOL RECEPTS	0.4 R 0.4	
1.20	ENTRY SIGNAGE * 8				O 1.20	0.20	H 8.5	13 - 14 1 20 12 HEATER	1.0 H	9.5
L 1.20	ENTRY SIGNAGE * 8		_	1.20	L 2.40		H 8.5 PDU-1	4 80 3 15 7 16		0.8 8.5
L 0.	0.87 PORT COCHERE LTS 10	\$	<u></u>	1.20	L 2.07		H 8.5	17 - 18 3 15 12 PDCU-1	}).8 8.5
	SPARE	20 1 19	``````````````````````````````````````	1.20	L 1.20		SPACE ONLY	1 19 - 1 20).8
	SPARE	20 1 21 -					SPACE ONLY	1 21 22 1 15 12 EF-11	0.4 M 0.).4
	SPARE	20 1 23 -					SPACE ONLY	1 23 24 1 20 SPARE		
	SPARE	20 1 25 -	`				SPACE ONLY	1 25 - 26 1 SPACE ONLY		
	SPARE	20 1 27 -	_ }	1.20	L 1.20		SPACE ONLY	1 27 28 1 SPACE ONLY		
	SPARE	20 1 29	` 30 1 20 10 BUILDING SIGN	1.20	L 1.20		SPACE ONLY	1 29 - 30 1 SPACE ONLY		
	SPARE	20 1 31	_ 32 1 20 10 BUILDING SIGN	1.20	L 1.20					
	SPARE	20 1 33	<u> </u>							
	SPARE	20 1 35	─ 36 1 20 SPARE							
	SPARE	20 1 37 —								
	SPARE	20 1 39 -^-								
	SPARE	20 1 41 1	42							
3.76 3.49 3.	.68	SUBTOTA		5.30 5.10 4.30			9.8 9.8 9.8	SUBTOTALS	3.1 2.1 2.0	
		•	TOTALS	25.6	22.43	3.00 0.20		TOTALS	36.8 1.0 2.1 6.	3.9 26.6 0.3
AD	KVA CONNECTED	3						ECTED D.F. KVA NET		
HTING	22.43	1.25 28.04	CALCULATIONS:	31.2	0.36 86.8 A	I	LIGHTING 1.0	1.25 1.3 CALCULATIONS:	37.1 / 0.36 102.9 A	
CEPTACLES	0.00	1.00 0.00				I	RECEPTACLES 2.1	1.00 2.1		
CEPTACLES	0.00	0.50 0.00	NOTES:				RECEPTACLES 0.0	0.50 0.0 NOTES:		

ECE	PTACLE	S		0.0		0.50			0.0		1	NOTES	5.													
ОТО				6.9		1.00			6.9		1 '	- CO	ORDINA	ATE AL	L EQUIPMENT WITH BREA	KERS	& WIRE	SIZES	PRIOR	TO ANY	ROUG	H IN.				
	ESTMC	TOR		0.0		1.75			0.0		2 '	* - INC	CATE	S GFCI	BREAKER.											
AT				26.6		1.00			26.6																	
TCHI				0.0		0.65			0.0																	
THE				0.3		1.00			0.3																	
PARI				0.0		1.00			0.0																	
DTAL				36.8					37.1																	
		×		Deliana Princi			PANE		3	3L					16400-16					BY:			S	SHEET:		
	120/208			AND AND THE PROPERTY OF THE PR	3 Ø	4	WIRE	·				NQOD)			22,000				JOB #.				OF:		
SU	RFACE			MOUNTED					PMAII			ONLY			N	IEUTRA	L SIZE	AMPS	200	CHEC	KED BY:	: DB	to the second	DATE:	6/7/2	2016
		KVA			(F	REMAF	₹KS (ERVE	D		7		KVA					T	KVA	1	T	
0	······	T		•••					WIRE	***************************************				7				,	0	**	Ø	m		7		
LOAD	Α	В	С						PO CIRCL	LES	*		•			Α	В	С	LOAD	LIGHTS	RECEPTS	MOTORS	HEAT	KITCHEN	OTHER	SPARE
									CIRCL	או ווע). 										œ					
O	1.0			AUTODOOR	12	20	1	1	_~•	\mathbb{T}^{\sim}	2	1	20	12	ELEV. CAB/CONTORLS	1.2			0						2.2	
0		1.0		AUTODOOR	12	20	1	3		∳ ├^-	4	1	20		SPARE										1.0	
R			0.9	LOBBY RECEPTS	12	20	1	5		† ^−	6	1	20	12	ELEV. CAB/CONTORLS			1.2	0		0.9				1.2	
R	0.5			RECEPTS STORE	12	20	1	7		₩^-	8	1	20		SPARE						0.5					
R		0.5		BUSINESS RECEPTS	12	20	1	9	1-7-	∳ ^-	10	1	20	12	HAND DRYER		1.5		Н		0.5		1.5			
R			0.5	BUSINESS RECEPTS	12	20	1	11		† ^-	12	1	20	12	HAND DRYER			1.5	Н		0.5		1.5			
R	0.5			FLOOR RECEPTS	12	20	1	13		₩^-	14	1	20	12	EWC.	0.3			0		0.5	<u> </u>			0.3	
R		0.5		FLOOR RECEPTS	12	20	1	15		∳ 1^-	16	1	20	12	GENERAL RECEPTS		0.7		R		1.3					
R			0.5	FLOOR RECEPTS	12	20	1	17		† ^−	18	1	20	10	EXTERIOR RECEPTS			0.8	R		1.3					
R	0.5			THEATER RECEPTS	12	20	1	19	~ _	₩^-	20	1	20	10	EXTERIOR RECEPTS	0.8			R		1.3				ļ	
R		0.5		GENERAL RECEPTS	12	20	1	21		•	22	1	20		SPARE						0.5					
R			0.5	MEETING ROOM REC	12	20	1	23			24	1	20	12	TREADMILL			1.0	0		0.5	<u> </u>			1.0	
R	0.5			MEETING ROOM REC	12	20	1	25			26	1	20	12	TREADMILL	1.0			0		0.5				1.0	
R		0.4		MEETING ROOM REC	12	20	1	27		† ^_	28	1	20	12	TREADMILL		1.0		0		0.4				1.0	
R			0.4	GENERAL RECEPTS	12	20	1	29		200.0	30	1	20	12	FITNESS			0.4	0		0.4	ļ			0.4	
M	1.2			WASHER	12	20	1	31		11	32	1	20	12	FITNESS	0.4			0			1.2			0.4	
M		1.2		WASHER	12	20	1	33			34	1	20	12	RECEPTACLES		0.7		R		0.7	1.2				
Н			2.3	DRYER	10	30	2	35		Tri I	36	1	20	12	EWC.			0.3	0			<u> </u>	2.3		0.3	
Н	2.3			DDVED	40	00	^	37		#^-	38	1	20	12	ICE MACHINE	1.2	0.4		0		0.4		2.3		1.2	
Н		2.3	0.0	DRYER	10	30	2	39		\mathbb{T}_{\triangle}	40	1	20	12	GUEST LAUNDRY		0.4		R		0.4		2.3			
Н			2.3			<u> </u>		41		OT:	42	1	20		SPARE		4.0	F 0					2.3	<u> </u>	ļ	
	6.6	6.4	7.4						SUBT	UIAL	5			TOTAL	S	4.9	4.3	5.2 34.7			10.4	2.4	12.0	1	9.9	······
OAD				KVA CONNEC	TED	D.F.		KVA	NET									J 1.7			. 9. 1				5.0	
GHT	ING			0.0		1.25			0.0] 11	CALC	JLATIO	NS:		34.5		1	0.36	95	.9 A					
ECE	PTACL	ES		10.0		1.00			10.0																	
ECE	PTACL	ES		0.4		0.50			0.2			NOTE:	S:													
OTC				2.4		1.00	· •		2.4																	
ARG	ESTMO	OTOR		0.0		1.75	· •• · · · · · · · · · · · · · · · · ·		0.0																	
EAT	·····			12.0		1.00			12.0																	
ITCH				0.0		0.65			0.0																	
THE				9.9		1.00			9.9		·															
PAR				0.0		1.00	<u> </u>		0.0																	

12	0/208		V	OLTS	3 Ø		PANE		4	IL T	VDC-	NQOE	V.		Δ	IC: 22,000	100			BY: JOB #:			,	SHEET: OF:		
SUR				OUNTED	32	4		***************************************	P MAII				,		Ai	NEUTRA		AMDS	200		KED BY	· DD			6/7/3	2016
SURI	FACE		IVI	OUNTED			REMAR						:D			NEUTRA		AIVIFS	200	CHECK	NED BT	. DB	KVA	DATE.	0///	2010
		KVA					CIVII (I	410	WIRE			JEI WE					KVA						1,,,,,			
9		***************************************						***************************************	TRIP		***************************************								9	ဟ	မှ	g		KITCHEN	œ	ш
LOAD		_								LES						- 41	_	_	LOAD	LIGHTS	맖	Ö	HEAT	Ö	OTHER	SPARE
	A	В	C						CIRCL	JIT NO	O.					Α	В	С		Ĭ	RECEPTS	MOTORS	I	\F	5	ß
		V	\							***************************************	"					İ					_					
Ц	0.4		S	TAIR LIGHTS	12	20	1	1	_~			1	20	10	STORAGE LTS/REC	0.3			L	0.7						
L		0.4	S	TAIR LIGHTS	12	20	1	3]-^-	∳ -^-	4	1	20		SPARE					0.4						
Æ			0.1 C	ORRIDOR LIGHTS	12	20	1	5]_^_	<u></u>	- 6	1	20		SPARE					0.1						
Ł .	0.3		C	ORRIDOR LIGHTS	12	20	1	7	_^•	11	- 8	1	20		SPARE					0.3						
		1.1		TORAGE LIGHTS	12	20	1	9		∳ ∤^⊢	10	1	20		SPARE					1.1						
/			0.5 B	REAKFAST LIGHTS	12	20	1	11		<u></u>	12	1	20		SPARE					0.5						
L.	1.4		L	AUNDRY LIGHTS	12	20	1	13		#^-	14	1	20		SPARE					1.4						
		0.2	R	EGISTRATION LIGHTS	S 12	20	1	15		∳ ∤?~	16	1	20		SPARE					0.2						
L /			0.2 L	ODBY FIGHTS	12	20	1	17			18	1	20		SPARE					0.2						
[S	PARE		20	1	19	_~	#^-	- 20	1	20		SPARE											
		0.5	В	USINCTR LIGHTS	/ 12	20	1	21	<u> </u>	∳ ⊦^⊢	- 22	1	20		SPARE					0.5						
L			1.0 M	EE/ING RM LIGHTS	12	20	1	23	<u> </u>	┢╌	- 24	1	20		SPARE					1.0						
1	0.3		<u> </u>	EV. RM LIGHTS	12	20	1	25		$+$ \sim		1	20		SPARE					0.3						
4		0.7		A HROOM LIGHTS	12	20	1	27	<u></u>	∳ ∤∩∟	- 28	1	20		SPARE				***************************************	0.7						,,,,,,,,,,,
L				TNESS RM LIGHTS	12	20	1	29]_^_	∳ ^-	- 30	1	20		SPARE					0.4						
L	1.5		Р	COLRM LICHTS *	12	20	1	31	_^•	# ^−	- 32	1	20		SPARE					1.5						
			S	PARE		20	1	33	1-~	-∩-	- 34	1	20		SPARE		•									
			S	PARE 🔨	/ /	20	1	35		∳ ^_	- 36	1	20		SPARE											
			S	PARE	/2 \	20	1	37	_^•	μ_{Δ}	- 38	1	20		SPARE		•									
			S	PARE		20	1	39	1-~	∳ ~-	40	1	20		SPARE											
			S	PARE		20	1	41		╙┸	42	1	20		SPARE											
	3.9	2.8	2.1		·····i				SUBT	OTAL	S	······		đ		0.3	0.0	0.0		<u> </u>				···	ð	·····
			A		••••••								-	TOTAL	S		A	9.2		9.2	0.0					
DAD				KVA CONNE	CTED	D.F.		KVA	NET																	
GHTIN	G			9.2		1.25			11.4			CALC	ULATIO	NS:		11.4		1	0.36	6 31	.8 A					
ECEP	TACLE	S		0.0		1.00			0.0]															
ECEP	TACLE	S		0.0		0.50			0.0]	NOTE	S:													
OTOR	S			0.0		1.00			0.0			* DEN	OTES (GFCI B	REAKER											
RGE	STMC	TOR		0.0		1.75			0.0																	
EAT				0.0		1.00			0.0																	
ITCHE	N			0.0		0.65			0.0																	
THER				0.0		1.00			0.0																	
PARE				0.0		1.00			0.0																	
							:				7															

MSB	_	_	
OL	Р	1L	
2L	3L	4L	

	CIPCI	ITODE	AKER							DU	ASE KV	/ A				KVA			
NO		III DINE	Ĭ							FN	ASE KV	A	Ś	S_	3S	L	Z	œ	OMO
CIRCUIT	FRAME	TRIP	POLE	LOAD SERVED						Α	В	С	LIGHTS	RECEPTS	MOTORS	HEAT	KITCHEN	OTHER	o MOOGE ALL
1	65K	600	3	PANEL 2DP						86.3	83.4	73.6	2.0	1.8	0.1	88.0		4.5	14
2	65K	600	3	PANEL 3DP			•••••			86.3	83.4	73.6	2.0	1.8	0.1	88.0		4.5	14
3	65K	800	3	PANEL 4DP						105.7	104.9	93.1	2.0	3.1	59.2	88.0		4.5	14
4	65K	200	3	PANEL P						13.0	12.0	11.8	1.0	2.1	6.9	26.6		0.3	
5	65K	200	3	PANEL OL						9.1	8.6	8.0	22.4			3.0		0.2	
6	65K	200	3	PANEL 1L						15.0	16.3	15.7	0.6	2.7	37.6	2.8		3.3	
7	65K	200	3	PANEL 2L						11.7	12.5	12.5	0.3	3.2			15.2	18.0	
8	65K	200	3	PANEL 3L						11.5	10.7	12.5		10.4	2.4	12.0		9.9	
9	65K	200	3	PANEL 4L						4.2	2.8	2.1	9.2	0.0					
10	65K	400	3	PANEL 1HV						24.6	24.4	23.9	0.0	0.0	10.0	62.5	0.0	0.4	0
11	65K	100	3	PANEL 1A						13.7	13.0	11.9	0.0	0.0	0	14.0	0	0	24
12	65K	200	3	SPARE															
13	65K	200	3	SPARE															
14	65K	200	3	ELEVATOR *						18.0	18.0	18.0			54.0				
15	65K	200	3	ELEVATOR *						18.0	18.0	18.0			54.0				
16	65K	200		SPARE															
17	65K	200		SPARE															
									SUBTOTALS	417.0	408.2	374.8		·	•		,		·
10/ 2002	THE STREET STREET	SHUN	IT TRIP	BREAKER				120	00.0 TOTALS		1200.0		39.4	25.1	224.3	384.8	15.2	45.6	46
LOAD				KVA CONN.	D.F.	KVA NET													
JGHT				39.4	1.25	49.3		CAL	CULATIONS:	1014.2	2 /	0.36	28	317.1 A					
	PTACL			10.0	1.00	10.0													
	PTACL	S		15.1	0.50	7.5			TES:										
иото				224.3	1.00	224.3			NDICATES SHUNT TRIP	700						20000 A			10000
***************************************	EST MC	TOR		54.0	1.75	94.5	******		NEL LISTED UL RATED							O AT 409	6		17820
HEAT				384.8	1.00	384.8			PROVIDE ISOLATED G						INDERA	AT 30%			0.0
KITCH				15.2	0.65	9.9	4	DEN	MAND FACTOR FOR G	UESTROC	M LOA	DS PER	RNEC	TABLE	220.42				18820
SHTC				45.6	1.00	45.6													
	TROOM	IS		465.5	NEC	188.2	4												
TOTAL	-			1254.0		1014.2													
							F	PANEI	L: OL										
	120/208	}		VOLTS		3 Ø		MRE,	TYPE:	NQOD					A	AIC: 30,0	000		

SWITCHBOARD: MSB 120/208 VOLTS, 3 9 4 WIRE, TYPE: QED SWITCHBOARD AIC: 65,000

3000A MAIN BREAKER

FLOOR MOUNTED,

							PANE	L:	OL										BY:			S	HEET:	3	
11	20/208			VOLTS	3 Ø	4	WIRE	,	Ţ	YPE:	NQOE)			AIC: 30,000)			JOB #:				OF:	33	
SUF	RFACE			MOUNTED,			200	AMF	MAIN	LUG	ONLY				NEUTR/	AL SIZE	AMPS	200	CHECK	ŒD BY	DB		DATE:	6/7/2	.016
		KVA				F	REMAF	RKS (R EQUIPM	ENT S	SERVE	D				KVA						KVA			
		IXVA							WIRE SIZE							IXVA				(0			_		
OAD							,		TRIP AMPS	3								LOAD	တ	RECEPTS	MOTORS	Ь	KITCHEN	ď	Щ
3	Α	В	C					,	POLES						Α	В	С	9	LIGHTS	Ö	5	HEAT	Ö	OTHER	SPARE
	^	ט							CIRCUIT NO	<u>)</u> .					^					문	Σ		¥	0	U.
L	1.02			SITE LIGHTING *	8	20	2	1		2	1	20	10	BUILDING SIGN	1.20			L	2.22						
L		1.02						3		4	1	20	10	BUILDING SIGN		1.20		L	2.22						
L			1.54	SITE LIGHTING *	8	20	2	5	-\#\\ -\	6	1	20	10	BUILDING SIGN			1.20	L	2.74						
L	1.54							7	<u> </u>	8	1	20	8	BACKFLOW*	1.50			Н	1.54			1.50			
L		1.27		SITE LIGHTING *	8	20	2	9	 	10	1	20	8	BACKFLOW *		1.50		Н	1.27			1.50			
L			1.27					11	 	12	1	20	10	FLAG LIGHTING ***			0.70	L	1.97						
L	1.20			ENTRY SIGNAGE *	8	20	1	13		14	1	20	12	LIGHTING CONTROL	* 0.20			0	1.20					0.20	
L		1.20		ENTRY SIGNAGE *	8	20	1	15	<u>`</u> \ \`	16	1	20	10	BUILDING SIGN		1.20		L	2.40						
L			0.87	PORT COCHERE LTS	10	20	1	17	i II	18	1	20	10	BUILDING SIGN		ļ	1.20	L	2.07						
				SPARE		20	1	19	Ĭ ╌╅┼╌	20	1	20	10	BUILDING SIGN	1.20			L	1.20						
				SPARE		20	1	21	1-7 1 +7-	22	1	20		SPARE											
				SPARE		20	1	23	<u> </u> ~	24	1	20		SPARE											
				SPARE		20	1	25	╎┪┤	26	1	20	ļ	SPARE											
				SPARE		20	1	27	/ <u>`</u> \ \	28	1	20	10	BUILDING SIGN		1.20		L	1.20						
				SPARE		20	1	29	├ ^╫•^	30	1	20	10	BUILDING SIGN			1.20	L	1.20						
				SPARE		20	1	31	<u> </u>	32	1	20	10	BUILDING SIGN	1.20		ļ	L	1.20						
				SPARE		20	1	33	<u> </u>	34	1	20		SPARE			ļļ.								
				SPARE		20	1	35	 - J •Z-		1	20		SPARE			ļļ.								
				SPARE		20	1	37	┡┸	38	1	20	ļ	SPARE											
				SPARE		20	1	39	<u>_</u>	40	1	20		SPARE											
				SPARE		20	1	41		42	1	20	ļ	SPARE					ļ			ļl			
	3.76	3.49	3.68						SUBTOTAL	S					5.30	5.10	λλ.		ļ			1		······································	
												-	TOTAL	S			25.6		22.43			3.00		0.20	

JOB #.

OF:

LOAD	KVA CONNECTED	D.F.	KVA NET						
LIGHTING	22.43	1.25	28.04	CALCULATIONS:	31.2	1	0.36	86.8 A	
RECEPTACLES	0.00	1.00	0.00						
RECEPTACLES	0.00	0.50	0.00	NOTES:					
MOTORS	0.00	1.00	0.00	1 CONTRACTOR TO FIELD VERIFY I	DISTANCE RUNS WITH	TABLE ON	SHEETE	401 FOR VOLTAGE DROP.	
LARGEST MOTOR	0.00	1.75	0.00	2 * - CONTRACTOR SHALL VERIFY	CONDUCTOR SIZE WITH	ROUTING	FOR VO	LTAGE DROP.	
HEAT	3.00	1.00	3.00	3 *** - FLAG POLE LOCATION NOT I	NDICATED ON SITE PLA	N. US TH	S CIRCUI	T ONCE LOCATION IS DETERMINED.	
KITCHEN	0.00	0.65	0.00						
OTHER	0.20	1.00	0.20						
SPARE	0.00	1.00	0.00						
TOTAL	OF CO		24.24						

							PANE	EL:	2L										BY:			S	SHEET:		
	120/208			VOLTS 3	Ø	4	WIRE	Ξ,		TYP	E: NQ	OD		AIC	30,000)			JOB #				OF:		
SU	RFACE			MOUNTED			20	0 AM	P MAIN	LL	JG ONI	<u>.</u> Y			NEUTR/	L SIZE	AMPS	200	CHEC	KED BY:	: DB		DATE:	6/7/	201
		KVA				F	REMAI	RKS (OR EQUIP	MEN	T SER	/ED		outside Comment of the Comment of th		KVA				-4		KVA			
		IVA							WIRE S	IZE						IVA									
LOAD									TRIP AN	IPS								LOAD	က္ခ	E L	8	ь	Ϋ́	Ľ.	1
2	Α	В	С					2	POLE	S					Α	В	С	2	LIGHTS	CEPTS	MOTORS	HEAT	KITCHEN	OTHER	
	^	_ B							CIRCUIT	NO.					^	Ь	0			뿐	Σ		조	O	
0	1.5			SERVER RECEPT.	12	20	1	1	_^•	~ ;	2 1	20	12	BREAKFAST RECEPT	1.0			0						2.5	
0		1.5		SERVER RECEPT.	12	20	1	3	1-7-41/	~ 7	4 1	20	12	BREAKFAST RECEPT		1.0		0						2.5	
0			1.5	SERVER RECEPT.	12	20	1	5	"_~_\	~ 7	6 1	20	12	BREAKFAST RECEPT			1.0	0						2.5	
0	1.5			SERVER RECEPT.	12	20	1	7	_^•	~ [8 1	20	12	BREAKFAST RECEPT	1.0			0						2.5	
R	•	0.8		OFFICE RECEPTS	12	20	1	9	_~\ \	<u> </u>	0 1	20	12	BREAKFAST RECEPT		1.0		0		8.0				1.0	
R			0.8	OFFICE RECEPTS	12	20	1	11	1_^_\	<u> </u>	2 1	20	12	BREAKFAST RECEPT			1.0	0		0.8				1.0	
				SPARE		20	1	13	1-^•H	~ 1	4 1	20	12	BREAKFAST RECEPT	1.0			0						1.0	
				SPARE		20	1	15	-~#/	<u> </u>	6 1	20	12	REFRIGERATOR		1.0		K					1.0		
R			0.4	CHECK IN DESK	12	20	1	17	<u> </u>	^_ 1	8 1	20	12	FREEZER			1.0	K		0.4			1.0	ĺ	
R	0.4			CHECK IN DESK	12	20	1	19	_^• -	<u> </u>	0 1	20	12	PANTRY RECEPT	1.0			K		0.4			1.0		
L		0.3		CABINET LIGHTING	12	20	1	21]-^-\	<u> </u>	2 1	20	12	PANTRY RECEPT		1.0		K	0.3				1.0	į	
0			1.0	AMPLIFIER	12	20	1	23]_^_+	^_ 2	4 1	20	12	PANTRY RECEPT			1.0	K					1.0	1.0	
R	0.2			WORK RECEPTACLE	12	20	1	25	_~• -	S	6 1	20	12	PANTRY RECEPT	1.0			K		0.2			1.0		
R		0.4		WORK RECEPTACLE	12	20	1	27		<u> </u>	8 2	40	8	PANTRY CIRCUIT **		2.5		K		0.4			2.5		
R			0.4	WORK RECEPTACLE	12	20	1	29	<u>-</u> ^+	J 3	10						2.5	K		0.4			2.5		
				SPARE		20	1	31	_~• -/	3	2 1	20	12	ICE MACHINE **	1.2			K					1.2		
0		1.0		MARKET RECEPTACLE	12	20	1	33	<u> </u> -^+	~ 3	4 1	20	12			1.0		K					1.0	1.0	ļ
0			1.0		12	20	1	35	<u> </u> -^- •′	į	6 1	20	12	PANTRY RECEPT			1.0	K					1.0	1.0	ļ
0	1.0			MARKET RECEPTACLE	12	20	1	37	_^•#′	3	8 1	20	12	BREAKFAST RECEPT	1.0			0						2.0	
				SPARE		20	1	39	<u> </u>	ş	0 1	20	12			1.0		K					1.0		<u> </u>
				SPARE		20	1	41	__\ <u>\</u>	<u> </u>	2 1	20		SPARE								<u> </u>		ļ	<u></u>
	4.5	4.0	5.0						SUBTOT	ALS					7.2	8.5	7.5				·1······	1	T	······	·
				2 - 3-3				D 20100					TOTA	LS			36.7		0.3	3.2			15.2	18.0	乚
OAD				KVA CONNECT	ED	D.F.		KVA	NET	4								-		0.00					
IGHT				0.3		1.25			0.4		CAL	CULATIO	ONS:		31.5		1	0.38	87	.4 A					
	PTACL			3.2		1.00			3.2																
	DTAOLE			0.0					0 0		NICO														

LOAD	KVA CONNECTED	D.F.	KVA NET	
LIGHTING	0.3	1.25	0.4	CALCULATIONS: 31.5 / 0.36 87.4 A
RECEPTACLES	3.2	1.00	3.2	
RECEPTACLES	0.0	0.50	0.0	NOTES:
MOTORS	0.0	1.00	0.0	1 ** - COORDINATE WITH OWNER'S EQUIPMENT VENDOR PRIOR TO ANY ROUGH IN WORK.
LARGEST MOTOR	0.0	1.75	0.0	PANEL.
HEAT	0.0	1.00	0.0	
KITCHEN	15.2	0.65	9.9	
OTHER	18.0	1.00	18.0	1

							PANE	L:	3	L										BY:			S	HEET:		
12	20/208			VOLTS	3 Ø	4	WIRE			Т	YPE:	NQOD			AIC:	22,000	E			JOB #.				OF:		
SUR	FACE			MOUNTED				·	P MAIN	I	LUG	ONLY			N	FUTRA	L SIZE	AMPS	200	CHECK	KED BY:	DB		DATE.	6/7/2	016
						F	REMAR	RKS (OR EQ	JIPMI	ENTS	ERVE	D										KVA			
		KVA							WIRE	SIZE				•••••			KVA									
5				•					TRIP	AMPS	3								9	ဟ	S	SS.	L	KITCHEN	ľĽ	Щ
	٨	Б	_					•••••	PO	ES	•••••					٨	_	_	LOAD	LIGHTS	RECEPT	MOTORS	HEAT	다.	OTHER	SPARE
	Α	В	С						CIRCU	IT NC).					Α	В	С		ā	W.	Σ	I	출	Ö	ß
	1.0			AUTODOOR	12	20	1	1	_^•	_^_	2	1	20	12	ELEV. CAB/CONTORLS	1.2			0						2.2	
		1.0		AUTODOOR	12	20	1	3	-^ -	+^-	4	1	20		SPARE										1.0	
			0.9	LOBBY RECEPTS	12	20	1	5]_^_	- ^−	6	1	20	12	ELEV. CAB/CONTORLS			1.2	0		0.9				1.2	
	0.5			RECEPTS STORE	12	20	1	7	_^•		8	1	20		SPARE						0.5					
		0.5		BUSINESS RECEPTS	12	20	1	9]-74	$+^{\sim}$	10	1	20	12	HAND DRYER		1.5		Н		0.5		1.5			
			0.5	BUSINESS RECEPTS	12	20	1	11]_^_	+ ^−	12	1	20	12	HAND DRYER			1.5	Н		0.5		1.5			
	0.5			FLOOR RECEPTS	12	20	1	13	_^•	$+^{\sim}$	14	1	20	12	EWC.	0.3			0		0.5				0.3	
		0.5		FLOOR RECEPTS	12	20	1	15	_~~	$+$ $^-$	16	1	20	12	GENERAL RECEPTS		0.7		R		1.3					
			0.5	FLOOR RECEPTS	12	20	1	17		+ ^−	18	1	20	10	EXTERIOR RECEPTS			0.8	R		1.3					
	0.5			THEATER RECEPTS	12	20	1	19	_^•	+^-	20	1	20	10	EXTERIOR RECEPTS	0.8			R		1.3					
		0.5		GENERAL RECEPTS	12	20	1	21	J-~-	ተ^-	22	1	20		SPARE						0.5					
			0.5	MEETING ROOM REC	12	20	1	23	_^_	<u></u> ↑	24	1	20	12	TREADMILL			1.0	0		0.5				1.0	
	0.5			MEETING ROOM REC	12	20	1	25	_^•	$+^-$	26	1	20	12	TREADMILL	1.0			0		0.5				1.0	
		0.4		MEETING ROOM REC	12	20	1	27	1-5-4	<u>+?-</u>	28	1	20	12	TREADMILL		1.0		0		0.4				1.0	
			0.4	GENERAL RECEPTS	12	20	1	29		† ^−	30	1	20	12	FITNESS			0.4	0		0.4				0.4	
	1.2			WASHER	12	20	1	31		T^_	32	1	20	12	FITNESS	0.4			0			1.2			0.4	
		1.2		WASHER	12	20	1	33	-74	1_	34	1	20	12	RECEPTACLES		0.7		R		0.7	1.2				
			2.3	DRYER	10	30	2	35	<u> </u>	†	36	1	20	12	EWC.			0.3	0				2.3		0.3	
	2.3							37	_\ +	+^-	38	1	20	12	ICE MACHINE	1.2			0				2.3		1.2	
		2.3		DRYER	10	30	2	39	- <u>^</u> `-	1_	40	1	20	12	GUEST LAUNDRY		0.4		R		0.4		2.3			
			2.3					41		4 ^_	42	1	20		SPARE								2.3			
	6.6	6.4	7.4						SUBT	DTALS	3					4.9	4.3	5.2						т		
				Box New Colonia					100000000000000000000000000000000000000				1	OTAL	S			34.7			10.4	2.4	12.0		9.9	
D				KVA CONNE	CTED	D.F.		KVA	NET																	

LOAD	KVA CONNECTED	D.F.	KVA NET						
LIGHTING	9.2	1.25	11.4	CALCULATIONS:	11.4	1	0.36	31.8 A	
RECEPTACLES	0.0	1.00	0.0						
RECEPTACLES	0.0	0.50	0.0	NOTES:					
MOTORS	0.0	1.00	0.0	* DENOTES GFCI BREAKER					
LARGEST MOTOR	0.0	1.75	0.0						
HEAT	0.0	1.00	0.0						
KITCHEN	0.0	0.65	0.0						
OTHER	0.0	1.00	0.0						
SPARE TOTAL	0.0	1.00	0.0						
TOTAL	9.2		11.4						

PANEL: 1L
4 WIRE, TYPE: NQOD
200 AMP MAIN LUG ONLY

REMARKS OR EQUIPMENT SERVED

WIRE SIZE TRIP AMPS POLES CIRCUIT NO.

5 -^ 6 1 20 12 LINT INTERCEPTOR 7 -^ 8

CALCULATIONS:

ENGINEERING RECS. 12 20 1 1 1 - 2 1 20 12 LINT INTERCEPTOR 1.4 ENGINEERING PTAC 12 15 2 3 - 4 1 20 12 LINT INTERCEPTOR

GENERAL RECEPTS 12 20 1 21 - 22 3 20 12 DRYER ★

41 -~- 42

SUBTOTALS

KVA CONNECTED D.F. KVA NET

0.50

AIC: 30,000

KVA

1.0 M
1.0 M
1.0 M
1.0 M
1.0 M
1.0 M

** - FIELD COORDINATE BREAKER AND WIRING SIZES WITH VENDOR PRIOR TO ANY ROUGH IN AND/OR ORDERING.

47.1 / 0.36 130.9 A

4 WIRE,

2.1 JOCKEY PUMP ** 6 60 3 9 11 DRYER **

11 - 12 13 - 14

0.9 GENERAL RECEPTS 12 20 1 23 - 24

120/208

7.4 8.7 8.1

RECEPTACLES RECEPTACLES

MOTORS LARGEST MOTOR

MOUNTED

SURFACE

MSB	-	-	
OL	Р	1L	
2L	3L	4L	