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Holiday Inn Express
& Suites

Drawing Title

Phase
Construction Documents:Holiday Inn Express & Suites

120/208 SURFACE				VOLT: MOUNTED		3 Ø		PANEL 2F		4 WIRE, TYPE NQOD		200 AMP MAIN LUG ONLY		AIC 22,000		NEUTRAL SIZE AMPS 200		BY: JOB #: CHECKED BY DB		SHEET: OF: DATE: 2/27/2015				
KVA				REMARKS OR EQUIPMENT SERVED										KVA				LOAD		KVA		KVA		
LOAD	A B C			WIRE SIZE TRIP AMPS POLES CIRCUIT NO.										A B C			LOAD	LIGHTS	RECEPTS	MOTORS	HEAT	KITCHEN	OTHER	SPARE
H	1.5			PTAC-A	12	15	2	1		2	2	15	12	PTAC-A	1.5			H				2.9		
H		1.5						3		4						1.5		H				2.9		
H			1.5	PTAC-A	12	15	2	5		6	2	15	12	PTAC-A		1.5		H				2.9		
H	1.5							7		8					1.5			H				2.9		
H		1.5		PTAC-A	12	15	2	9		10	2	15	12	PTAC-A		1.5		H				2.9		
H			1.5					11		12						1.5		H				2.9		
H	1.5			PTAC-A	12	15	2	13		14	2	15	12	PTAC-A	1.5			H				2.9		
H		1.5						15		16						1.5		H				2.9		
H			1.5	PTAC-A	12	15	2	17		18	2	15	12	PTAC-A		1.5		H				2.9		
H	1.5							19		20					1.5			H				2.9		
H		1.5		PTAC-A	12	15	2	21		22	2	15	12	PTAC-A		1.5		H				2.9		
H			1.5					23		24						1.5		H				2.9		
H	1.5			PTAC-A	12	15	2	25		26	2	15	12	PTAC-A	1.5			H				2.9		
H		1.5						27		28						1.5		H				2.9		
H			1.5	PTAC-A	12	15	2	29		30	2	15	12	PTAC-A		1.5		H				2.9		
H	1.5							31		32					1.5			H				2.9		
H		1.5		PTAC-A	12	15	2	33		34	2	15	12	PTAC-A		1.5		H				2.9		
H			1.5					35		36						1.5		H				2.9		
H	1.5			PTAC-A	12	15	2	37		38	2	15	12	PTAC-A	1.5			H				2.9		
H								39		40						1.5		H				2.9		
				SPACE ONLY				41		42	1			SPACE ONLY										
10.3 10.3 8.8				SUBTOTALS										10.3 10.3 8.8				58.7		0 0 0 58.7 0 0 0				
				TOTALS										58.7										
LOAD				KVA CONNECTED		D.F.		KVA NET		CALCULATIONS:		58.7		/		0.36		162.9 A						
LIGHTING				0		1.25		0.0		NOTES:														
RECEPTACLES				0.0		1.00		0.0																
MOTORS				0.0		0.50		0.0																
LARGEST MOTOR				0.0		1.75		0.0																
HEAT				58.7		1.00		58.7																
KITCHEN				0		0.65		0.0																
OTHER				0		1.00		0.0																
SPARE				0		1.00		0.0																
TOTAL				58.7				58.7																

120/208 SURFACE										VOLT: MOUNTED		3 Ø		F. PANEL 4 WIRE		TYPE: N400 LUG ONLY		AIC: 22,000 NEUTRAL SIZE: AMPS		100		BY: JOB # CHECKED BY: DB		SHEET OF: DATE 2/27/2015															
Q LOC	KVA			REMA INRS OR EQUIPMENT SERVED																KVA			KVA																
	A	B	C	WIRE SIZE																A	B	C	LO Q	LIGHTS	RECEPTS	MOTORS	HEAT	KITCHEN	OTHER	GUESTROOM									
				TYP AMPS																																			
				POLES																																			
				CIRCUIT NO.																																			
S	1.2			KING WIDE 303 *	12	20	1	1	2	1	20	12	KING SUITE 311 *	1.2			S									2.3													
S	1.0			KING WIDE 303	12	20	1	3	4	1	20	12	KING SUITE 311 *		1.0		S									2.0													
S	1.0			KING WIDE 303	12	20	1	5	6	1	20	12	KING SUITE 311 *			1.0	S									2.0													
S	1.0			KING WIDE 303	12	20	1	7	8	1	20	12	KING SUITE 311 *	1.0			S									2.0													
S	0.8			KING WIDE 303	12	20	1	9	10	1	20	12	KING SUITE 311		0.8		S									1.5													
S		1.2		KING 305 *	12	20	1	11	12	1	20	12	KING SUITE 313 *			1.2	S									2.3													
S	1.0			KING 305	12	20	1	13	14	1	20	12	KING SUITE 313	1.0			S									2.0													
S	1.0			KING 305	12	20	1	15	16	1	20	12	KING SUITE 313		1.0		S									2.0													
S	1.0			KING 305	12	20	1	17	18	1	20	12	KING SUITE 313			1.0	S									2.0													
S	0.8			KING 305	12	20	1	19	20	1	20	12	KING SUITE 313	0.8			S									1.5													
S	1.2			KING 307 *	12	20	1	21	22	1	20	12	KING SUITE 315 *		1.2		S									2.3													
S	1.0			KING 307	12	20	1	23	24	1	20	12	KING SUITE 315		1.0		S									2.0													
S	1.0			KING 307	12	20	1	25	26	1	20	12	KING SUITE 315	1.0			S									2.0													
S	1.0			KING 307	12	20	1	27	28	1	20	12	KING SUITE 315		1.0		S									2.0													
S	0.8			KING 307	12	20	1	29	30	1	20	12	KING SUITE 315		0.8		S									1.5													
S	1.2			KING 309 *	12	20	1	31	32	1	20	12	KING 317 *	1.2			S									2.3													
S	1.0			KING 309	12	20	1	33	34	1	20	12	KING 317		1.0		S									2.0													
S		1.0		KING 309	12	20	1	35	36	1	20	12	KING 317			1.0	S									2.0													
S	1.0			KING 309	12	20	1	37	38	1	20	12	KING 317	1.0			S									2.0													
S		0.8		SPARE	12	20	1	39	40	1	20	12	KING 317		0.8		S									1.5													
	7.1	6.7	5.9					41	42	1	20		SPARE																										
SUBTOTALS																7.1	6.7	5.9																					
TOTALS																39.2																							
LOAD				KVA CONNECTED		D.F.		KVA NET		CALCULATIONS:												17.7		/		0.36		49.1 A											
LIGHTING				0.0		1.25		0.0																															
RECEPTACLES				0.0		0.0		0.0																															
RECEPTACLES				0.0		0.50		0.0																															
MOTORS				0		1.00		0.0																															
LARGEST MOTOR				0.0		1.75		0.0																															
HEAT				0		1.00		0.0																															
KITCHEN				0		0.65		0.0																															
OTHER				0		0		1.00		0.0																													
GUESTROOMS				39.2		NEC		17.7																															
TOTAL				39.2				17.7																															
																NOTES																							
																1 * *-INDICATE ARC FAULT RATED BREAKER																							
																2 DEMAND FACTOR FOR GUESTROOM LOADS PER NEC TABLE 22.42																							
																39200 FIRST 20000 AT 50%												10000.0											
																UP TO 100,000 AT 40%												7680.0											
																REMAINER AT 30%												17680											

2D	2E	2F
2G	DP3	3A
3B	3C	—

2D	2E	2F
2G	DP3	3A
3B	3C	—