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ELECTRICAL
SCHEDULES

DRAWN BNH
CHECKED MTR

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Bid Documents



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PANELBOARD SCHEDULE

MARK:	2P1B	LOAD	BREAKER	PHASE (kVA)			PHASE (kVA)			BREAKER	LOAD	CT
				A	B	C	A	B	C			
1		TIME CLOCK	1 20	0.2			6.6			70	AHU-0A1	2
3		EF-3	1 20		0.5			6.6				4
5		EF-2	1 20			0.5			6.6			6
7		AHU-1	2 30	2.7			0.4			20	AHU-7	8
9					2.7			0.4				10
11		AHU-2	2 30			2.7			0.5	20	EF-1	12
13				2.7						20	SPARE	14
15		AHU-3	2 30		2.7					20	SPARE	16
17						2.7				20	SPARE	18
19		AHU-4	2 30	2.7						20	SPARE	20
21					2.7					20	SPARE	22
23		AHU-5	2 40			3.6				20	SPARE	24
25				3.6			0.5	0.5		15	SUMP PUMP	26
27		AHU-6	2 20		1.5							28
29						1.5					SPACE ONLY	30
31		SPACE ONLY	1 -								SPACE ONLY	32
33		SPACE ONLY	1 -								SPACE ONLY	34
35		SPACE ONLY	1 -								SPACE ONLY	36
37		SPACE ONLY	1 -								SPACE ONLY	38
39		SPACE ONLY	1 -								SPACE ONLY	40
41		SPACE ONLY	1 -								SPACE ONLY	42
				11.9	10.1	11.0	7.5	7.5	7.1			
				TOTAL (kVA) #A 19.4 #B 17.6 #C 18.1			HIGH PHASE (AMPS) 161.7					
				TOTAL CONNECTED LOAD (kVA) 55.1			TOTAL LOAD (AMPS) 152.9					

CREATE A DIRECTORY TO INDICATE INSTALLED CIRCUIT LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC.) AND ROOM NUMBERS SERVED FOR EVERY BRANCH CIRCUIT.

PANELBOARD SCHEDULE

MARK:	2P1C	LOAD	BREAKER	PHASE (kVA)			PHASE (kVA)			BREAKER	LOAD	CT
				A	B	C	A	B	C			
1		RECEPTACLES	1 20	0.5			0.5			20	AUTOMATIC GATE	2
3		RECEPTACLES	1 20		0.5			0.5				4
5		RECEPTACLES	1 20			0.4			0.5			6
7		RECEPTACLES	1 20	0.5						20	SPARE	8
9		RECEPTACLES	1 20		0.7					20	SPARE	10
11		RECEPTACLES	1 20			0.7				20	SPARE	12
13		AUTOMATIC ROLL UP DOOR	1 20	1.2						20	SPARE	14
15		ICE MACHINE	2 20		1.5					20	SPARE	16
17						1.5				20	SPARE	18
19		SPACE ONLY	1 -								SPACE ONLY	20
21		SPACE ONLY	1 -								SPACE ONLY	22
23		SPACE ONLY	1 -								SPACE ONLY	24
25		SPACE ONLY	1 -								SPACE ONLY	26
27		SPACE ONLY	1 -								SPACE ONLY	28
29		SPACE ONLY	1 -								SPACE ONLY	30
31		SPACE ONLY	1 -								SPACE ONLY	32
33		SPACE ONLY	1 -								SPACE ONLY	34
35		SPACE ONLY	1 -								SPACE ONLY	36
37		SPACE ONLY	1 -								SPACE ONLY	38
39		SPACE ONLY	1 -								SPACE ONLY	40
41		SPACE ONLY	1 -								SPACE ONLY	42
				2.2	2.7	2.6	0.5	0.5	0.5			
				TOTAL (kVA) #A 2.7 #B 3.2 #C 3.1			HIGH PHASE (AMPS) 26.7					
				TOTAL CONNECTED LOAD (kVA) 9.0			TOTAL LOAD (AMPS) 25.0					

CREATE A DIRECTORY TO INDICATE INSTALLED CIRCUIT LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC.) AND ROOM NUMBERS SERVED FOR EVERY BRANCH CIRCUIT.

PANELBOARD SCHEDULE

MARK:	2P1D	LOAD	BREAKER	PHASE (kVA)			PHASE (kVA)			BREAKER	LOAD	CT
				A	B	C	A	B	C			
1		RECEPTACLES	1 20	1.1			1.2			20	RECEPTACLE	2
3		RECEPTACLES	1 20		0.4			1.2				4
5		RECEPTACLES	1 20			0.4					SPACE ONLY	6
7		RECEPTACLES	1 20	0.4							SPACE ONLY	8
9		RECEPTACLES	1 20		0.4						SPACE ONLY	10
11		RECEPTACLES	1 20			0.4					SPACE ONLY	12
13		RECEPTACLES	1 20	0.4							SPACE ONLY	14
15		RECEPTACLES	1 20		0.4						SPACE ONLY	16
17		RECEPTACLES	1 20			1.7					SPACE ONLY	18
19		SPACE	1 20								SPACE ONLY	20
21		SPACE	1 20								SPACE ONLY	22
23		SPACE	1 20								SPACE ONLY	24
25		SPACE	1 20								SPACE ONLY	26
27		TVSS	3 30								SPACE ONLY	28
29											SPACE ONLY	30
				1.9	1.2	2.5	1.2	1.2	0.0			
				TOTAL (kVA) #A 3.1 #B 2.4 #C 2.5			HIGH PHASE (AMPS) 25.8					
				TOTAL CONNECTED LOAD (kVA) 8.0			TOTAL LOAD (AMPS) 22.2					

CREATE A DIRECTORY TO INDICATE INSTALLED CIRCUIT LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC.) AND ROOM NUMBERS SERVED FOR EVERY BRANCH CIRCUIT.

PANELBOARD SCHEDULE

MARK:	2P1E	LOAD	BREAKER	PHASE (kVA)			PHASE (kVA)			BREAKER	LOAD	CT
				A	B	C	A	B	C			
1		LIGHTS	1 20	1.3			0.6			20	LIGHTS - OUTSIDE	2
3		LIGHTS	1 20		0.9			1.2		20	LIGHTS	4
5		LIGHTS	1 20			0.9			0.3	20	SIGN LIGHTS	6
7		LIGHTS	1 20	1.2			0.8			20	POLE LIGHTS	8
9		LIGHTS	1 20		1.4			0.9		20	POLE LIGHTS	10
11		LIGHTS	1 20			1.3			0.1	20	LIGHTING CONTROL	12
13		LIGHTS	1 20	1.0						20	SPARE	14
15		LIGHTS	1 20		0.8					20	SPARE	16
17		LIGHTS	1 20			0.9				20	SPARE	18
19		SPACE ONLY	1 -								SPACE ONLY	20
21		SPACE ONLY	1 -								SPACE ONLY	22
23		SPACE ONLY	1 -								SPACE ONLY	24
25		SPACE ONLY	1 -								SPACE ONLY	26
27		SPACE ONLY	1 -								SPACE ONLY	28
29		SPACE ONLY	1 -								SPACE ONLY	30
31		SPACE ONLY	1 -								SPACE ONLY	32
33		SPACE ONLY	1 -								SPACE ONLY	34
35		SPACE ONLY	1 -								SPACE ONLY	36
37		SPACE ONLY	1 -								SPACE ONLY	38
39		SPACE ONLY	1 -								SPACE ONLY	40
41		SPACE ONLY	1 -								SPACE ONLY	42
				3.5	3.1	3.1	1.4	2.1	0.4			
				TOTAL (kVA) #A 4.9 #B 5.2 #C 3.5			HIGH PHASE (AMPS) 43.3					
				TOTAL CONNECTED LOAD (kVA) 13.6			TOTAL LOAD (AMPS) 37.7					

CREATE A DIRECTORY TO INDICATE INSTALLED CIRCUIT LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC.) AND ROOM NUMBERS SERVED FOR EVERY BRANCH CIRCUIT.

PANELBOARD INFORMATION SCHEDULE

TAG	ENCLOSURE TYPE	MOUNTING STYLE	VOLTAGE	#	WIRE	MAIN BKR	IF MLO, SERVING BKR	SERVICE RATED	KWIC RATING	# BUS RATING (A)	N BUS RATING	CONDUCTORS	FEEDER GROUND	CONDUIT	NOTES
2D1A	NEMA 1	SURFACE	208Y/120	3	4	MLO	600	NO	22	600	100%	2 RUNS 4#350	#2/0	3" EA	1
2P1A	NEMA 1	FLUSH	208Y/120	3	4	MLO	200	NO	10	225	100%	4#3/0	#4	2 1/2" C	
2P1B	NEMA 1	SURFACE	208Y/120	3	4	MLO	225	NO	10	225	100%	4#4/0	#2	2 1/2" C	
2P1C	NEMA 1	SURFACE	208Y/120	3	4	MLO	100	NO	10	100	100%	4#1	#6	1 1/2" C	
2P1D	NEMA 1	FLUSH	208Y/120	3	4	MLO	100	NO	10	100	100%	4#1	#6	1 1/2" C	
2P1E	NEMA 1	FLUSH	208Y/120	3	4	MLO	200	NO	10	225	100%	4#3/0	#4	2 1/2" C	
2P1F	NEMA 3R	SURFACE	208Y/120	3	4	MLO	225	NO	22	225	100%	4#4/0	#2	2 1/2" C	

NOTES 1. PROVIDE INTEGRAL TVSS.

PANELBOARD SCHEDULE

MARK:		2P1F		BREAKER			PHASE (kVA)			PHASE (kVA)			BREAKER		LOAD		CT	
CKT #	LOAD DESCRIPTION	P	TRIP	A	B	C	A	B	C	TRIP	P	LOAD DESCRIPTION	CKT #					
1	LIGHTS	1	20	1.0			0.6			20	1	POLE LIGHTS	2					
3	RECEPTACLES	1	20		0.5			1.2		20	1	POLE LIGHTS	4					
5	AUTOMATIC ROLL UP DOOR	1	20			1.2			0.1	20	1	LIGHTING CONTROLS	6					
7				-			-						8					
9	SPARE	3	20		-			-				SPARE	10					
11										20	3		12					
13				-			-						14					
15	SPARE	3	20		-			-		20	3	SPARE	16					
17						-							18					
19	SPARE	1	20	-			-			20	1	SPARE	20					
21	SPARE	1	20	-			-			20	1	SPARE	22					
23	SPARE	1	20	-			-		0.5	20	1	RECEPTACLES	24					
25	SPACE ONLY	1	-	-			0.3			20	1	RECEPTACLES	26					
27	SPACE ONLY	1	-	-			-			20	1	SPACE	28					
29	SPACE ONLY	1	-	-			-			20	1	SPACE	30					
31	SPACE ONLY	1	-	-			-			-	1	SPACE ONLY	32					
33	SPACE ONLY	1	-	-			-			-	1	SPACE ONLY	34					
35	SPACE ONLY	1	-	-			-			-	1	SPACE ONLY	36					
37	SPACE ONLY	1	-	-			-			-	1	SPACE ONLY	38					
39	SPACE ONLY	1	-	-			-			-	1	SPACE ONLY	40					
41	SPACE ONLY	1	-	-			-			-	1	SPACE ONLY	42					
				1.0	0.5	1.2	0.9	1.2	0.6									
TOTAL (kVA)				1.9	0.8	1.7	0.4	HIGH PHASE (AMPS)				15.8						
TOTAL CONNECTED LOAD (kVA)				5.4				TOTAL LOAD (AMPS)				15.0						
CREATE A DIRECTORY TO INDICATE INSTALLED CIRCUIT LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC.) AND ROOM NUMBERS SERVED FOR EVERY BRANCH CIRCUIT.																		
PROVIDE A SWITCHED NEUTRAL SHUNT TRIP CIRCUIT BREAKER PER NEC 514.11 (SINGLE POLE BREAKER WITH HANDLIE IS NOT ALLOWED)																		