

PANELBOARD SCHEDULE																		
MARK:		2P1B		BREAKER			PHASE (kVA)			PHASE (kVA)			BREAKER		LOAD		CKT	
CKT #	DESCRIPTION	P	TRIP	A	B	C	A	B	C	TRIP	P	DESCRIPTION	CKT #					
1	TIME CLOCK	1	20	0.2			6.6						2					
3	EF-3	1	20		0.5			6.6		70	3	AHU-OA1	4					
5	EF-2	1	20			0.5			6.6				6					
7	AHU-1	2	30	2.7			0.4			20	2	AHU-7	8					
9					2.7			0.4		—			10					
11	AHU-2	2	30			2.7			0.5	20	1	EF-1	12					
13				2.7			—			20	1	SPARE	14					
15	AHU-3	2	30		2.7			—		20	1	SPARE	16					
17						2.7			—	20	1	SPARE	18					
19	AHU-4	2	30	2.7			—			20	1	SPARE	20					
21					2.7			—		20	1	SPARE	22					
23	AHU-5	2	40			3.6			—	20	1	SPARE	24					
25				3.6			0.5			15	2	SPARE	26					
27	AHU-6	2	20		1.5			0.5		—		SUMP PUMP	28					
29						1.5			—	—	1	SPACE ONLY	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					
				11.9	10.1	11.0	7.5	7.5	7.1									
TOTAL (kVA) @A 19.4 @B 17.6 @C 18.1				TOTAL CONNECTED LOAD (kVA) 55.1				HIGH PHASE (AMPS) 161.7										
								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.																		

MARK:		2P1C		LOAD		BREAKER		PHASE (kVA)			PHASE (kVA)			BREAKER		LOAD		Circuit Breaker	
CKT #	DESCRIPTION	P	TRIP	A	B	C	A	B	C	TRIP	P	DESCRIPTION	CKT #						
1	RECEPTACLES	1	20	0.5			0.5						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	1	8						
9	RECEPTACLES	1	20		0.7		—	—			20	1	10						
11	RECEPTACLES	1	20			0.7			—		20	1	12						
13	AUTOMATIC ROLL UP DOOR	1	20	1.2			—				20	1	14						
15	ICE MACHINE	2	20		1.5			—			20	1	16						
17						1.5		—	—		20	1	18						
19	SPACE ONLY	1	—	—			—				—	1	20						
21	SPACE ONLY	1	—		—			—			—	1	22						
23	SPACE ONLY	1	—			—			—		—	1	24						
25	SPACE ONLY	1	—				—				—	1	26						
27	SPACE ONLY	1	—		—			—			—	1	28						
29	SPACE ONLY	1	—			—			—		—	1	30						
31	SPACE ONLY	1	—	—			—				—	1	32						
33	SPACE ONLY	1	—		—			—			—	1	34						
35	SPACE ONLY	1	—			—			—		—	1	36						
37	SPACE ONLY	1	—				—				—	1	38						
39	SPACE ONLY	1	—		—			—			—	1	40						
41	SPACE ONLY	1	—			—			—		—	1	42						
				2.2	2.7	2.6	0.5	0.5	0.5										
TOTAL (kVA)				2.7	3.2	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.

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

MARK:		2P1E		LOAD		BREAKER		PHASE (kVA)			PHASE (kVA)			BREAKER		LOAD		CKT
CKT	#	DESCRIPTION	P	TRIP	A	B	C	A	B	C	TRIP	P	DESCRIPTION	#				
1		LIGHTS	1	20	1.3			0.6			20	1	LIGHTS - OUTSIDE	2				
3		LIGHTS	1	20		0.9			1.2		20	1	LIGHTS	4				
5		LIGHTS	1	20			0.9			0.3	20	1	SIGN LIGHTS	6				
7		LIGHTS	1	20	1.2			0.8			20	1	POLE LIGHTS	8				
9		LIGHTS	1	20		1.4			0.9		20	1	POLE LIGHTS	10				
11		LIGHTS	1	20			1.3			0.1	20	1	LIGHTING CONTROL	12				
13		LIGHTS	1	20	1.0			-			20	1	SPARE	14				
15		LIGHTS	1	20		0.8		-			20	1	SPARE	16				
17		LIGHTS	1	20			0.9			-	20	1	SPARE	18				
19		SPACE ONLY	1	-	-			-			-	1	SPACE ONLY	20				
21		SPACE ONLY	1	-		-		-			-	1	SPACE ONLY	22				
23		SPACE ONLY	1	-				-		-	-	1	SPACE ONLY	24				
25		SPACE ONLY	1	-	-			-			-	1	SPACE ONLY	26				
27		SPACE ONLY	1	-		-		-			-	1	SPACE ONLY	28				
29		SPACE ONLY	1	-				-		-	-	1	SPACE ONLY	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				
					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.

TAG	TYPE	WIRE STYLE	VOLTA	Ø	WIRE	MAIN BKR	IF MLO, SERVING	SERVICE RATED	KAIC RATING	Ø BUS RATING (A)	N BUS RATING	FEEDER			NOTES
201A	NEMA 1	SURFACE	208Y/120	3	4	MLO	600	NO	22	600	100%	CONDUCTORS 2 RUNS 4#350	GROUND #2/0	CONDUIT 3" C EA	1
2P1A	NEMA 1	FLUSH	208Y/120	3	4	MLO	200	NO	10	225	100%				
2P1B	NEMA 1	SURFACE	208Y/120	3	4	MLO	225	NO	10	225	100%	4#3/0	#4	2 1/2" C	
2P1C	NEMA 1	SURFACE	208Y/120	3	4	MLO	100	NO	10	100	100%	4#1	#4	2 1/2" C	
2P1D	NEMA 1	SURFACE	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	100	NO	10	100	100%	4#1	#6	1 1/2" C	
2P1F	NEMA 1	SURFACE	208Y/120	3	4	200	—	NO	10	225	100%	4#3/0	#4	2 1/2" C	
2P1G	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.														

CKT #	LOAD DESCRIPTION	BREAKER		PHASE (kVA)			PHASE (kVA)			BREAKER		LOAD DESCRIPTION	CKT #
		P	TRIP	A	B	C	A	B	C	TRIP	P		
1	LIGHTS	1	20	1.0			0.6			20	1	DESCRIPTION	1
3	RECEPTACLES	1	20		0.5			1.2		20	1	POLE LIGHTS	2
5	AUTOMATIC ROLL UP DOOR	1	20			1.2			0.1	20	1	POLE LIGHTS	3
7												LIGHTING CONTROLS	6
9	SPARE	3	20	-	-	-	-	-	-	20	3	SPARE	8
11						-	-	-	-				10
13						-	-	-	-				12
15	SPARE	3	20		-	-	-	-	-	20	3	SPARE	14
17						-	-	-	-				16
19	SPARE	1	20	-	-	-	-	-	-	20	1	SPARE	18
21	SPARE	1	20	-	-	-	-	-	-	20	1	SPARE	20
23	SPARE	1	20	-	-	-	-	-	-	20	1	SPARE	22
25	SPACE ONLY	1	-	-	-	-	0.3	-	0.5	20	1	RECEPTACLES	24
27	SPACE ONLY	1	-	-	-	-	-	-	-	20	1	RECEPTACLES	26
29	SPACE ONLY	1	-	-	-	-	-	-	-	20	1	SPACE	28
31	SPACE ONLY	1	-	-	-	-	-	-	-	20	1	SPACE	30
33	SPACE ONLY	1	-	-	-	-	-	-	-	-	1	SPACE ONLY	32
35	SPACE ONLY	1	-	-	-	-	-	-	-	-	1	SPACE ONLY	34
37	SPACE ONLY	1	-	-	-	-	-	-	-	-	1	SPACE ONLY	36
39	SPACE ONLY	1	-	-	-	-	-	-	-	-	1	SPACE ONLY	38
41	SPACE ONLY	1	-	-	-	-	-	-	-	-	1	SPACE ONLY	40
42				1.0	0.5	1.2	0.9	1.2	0.6	-	1	SPACE ONLY	42

TOTAL (kVA) ϕA 1.9 ϕB 1.7 ϕC 1.8

TOTAL CONNECTED LOAD (kVA) 5.4

HIGH PHASE (AMPS) 15.8

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 HANDLE TIE IS NOT ALLOWED)

CKT #	MARK:	LOAD DESCRIPTION	BREAKER			PHASE (kVA)			PHASE (kVA)			BREAKER		LOAD DESCRIPTION	CKT #
			P	TRIP		A	B	C	A	B	C	TRIP	P		
1		BATTERY CHARGER	1	20	0.2			1.9				30	2	HP-1	2
3		BATTERY HEATER	1	20		1.5			1.9					HP-2	4
5		CRANK CASE HEATER	2	20			1.5			1.6		30	2	HP-3	6
7															8
9		HP-7	2	15		1.5			1.6						10
11							0.6			1.7		30	2	HP-4	12
13								0.6			1.7				14
15		HP-OA1	3	15		0.4			1.9			30	2	HP-5	16
17							0.4			1.9					18
19		SPARE	1	20				0.4			2.8	50	2	HP-6	20
21		SPARE	1	20					2.8						22
23		SPARE	1	20						1.2		30	2		24
25		SPACE ONLY	1								1.2				26
27		SPACE ONLY	1									1		SPACE ONLY	28
29		SPACE ONLY	1									1		SPACE ONLY	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

TOTAL (kVA) ØA 10.3 ØB 9.2 ØC 9.8

TOTAL CONNECTED LOAD (kVA) 29.3

HIGH PHASE (AMPS) 85.8

TOTAL LOAD (AMPS) 81.3

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