

MOUNTING SURFACE		PANEL E(1)										10,000 A.I.C. SYM					
208/120 VOLTS 3 PHASE 4 WIRE		MAIN MLO										BUS 400 A					
VOLT AMPS		DESCRIPTION										VOLT AMPS					
ØA	ØB	ØC	DESCRIPTION	R	L	P	B	C	C	B	P	R	DESCRIPTION	ØA	ØB	ØC	
ØA	ØB	ØC		E	T	O	K	I	I	K	O	E					
1800			3-Phase Rec				3	20	1	A	2	20	1	Lighting	1200		
	1800		-				-	3	B	4	20	1	Lighting		1200		
		1800	-				-	5	C	6	20	1	Lighting			1200	
1800			3-Phase Rec				3	20	7	A	8	20	1	Lighting	1200		
	1800		-				-	9	B	10	20	1	Lighting		1200		
		1800	-				-	11	C	12	20	1	Lighting			1200	
1800			3-Phase Rec				3	20	13	A	14	20	1	Lighting	1200		
	1800		-				-	15	B	16	20	1	Lighting		600		
		1800	-				-	17	C	18	20	1	Mechanical			1000	
1800			3-Phase Rec				3	20	19	A	20	20	1	Spare			
	1800		-				-	21	B	22	20	1	Spare				
		1800	-				-	23	C	24	20	1	Spare				
1080			Wall Recepts	6	1	20	25	A	26				Space				
	1080		Wall Recepts	6	1	20	27	B	28				Space				
		1080	Wall Recepts	6	1	20	29	C	30				Space				
1080			Wall Recepts	6	1	20	31	A	32				Space				
	1080		Wall Recepts	6	1	20	33	B	34				Space				
		1080	Wall Recepts	6	1	20	35	C	36				Space				
1080			Wall Recepts	6	1	20	37	A	38				Space				
	1080		Wall Recepts	6	1	20	39	B	40				Space				
		1080	Spare	1	1	20	41	C	42				Space				
10440	10440	9360	VA/LINE										3600	3000	3400		
ØA= 14040			ØB= 13440										ØC= 12760				
CONTINUOUS LOADS			NON-CONTINUOUS LOADS														
9000 x1.25= 11250			UP TO 10 kVA 8640 x1.00= 8640										OTHER 58600 x1.00 58600				
			REMAINDER x0.50=														
TOTAL DESIGN KVA= 78			TOTAL DESIGN AMPS= 218														

(1) Provide feed-through lugs.

MOUNTING SURFACE		PANEL B										10,000 A.I.C. SYM					
208/120 VOLTS 3 PHASE 4 WIRE		MAIN 200 A										BUS 225 A					
VOLT AMPS		DESCRIPTION										VOLT AMPS					
ØA	ØB	ØC	DESCRIPTION	R	L	P	B	C	C	B	P	R	DESCRIPTION	ØA	ØB	ØC	
ØA	ØB	ØC		E	T	O	K	I	I	K	O	E					
750			Center Heat				1	20	1	A	2	20	1	Heat/Fans	750		
	1000		Lathe				3	20	3	B	4	20	1	Heat/Flag Ltg		1000	
		1000	-				-	5	C	6	20	1	Receipt			720	
1000			-				-	7	A	8	20	1	Welding Fan	750			
		1000	-				-	9	B	10	20	2	Plasma Cutter		1000		
		1000	Space					11	C	12	-	-	-			1000	
2000			Hoist				3	30	13	A	14	100	2	Welder	5000		
	2000		-				-	15	B	16	-	-	-		5000		
		2000	-				-	17	C	18	-	-	-	Space			
750			VR System				1	20	19	A	20	30	1	Fuel Is	2200		
	3000		Air Compressor				3	50	21	B	22	15	1	Receipt		360	
		3000	-				-	23	C	24	20	2	Roof Fan			1000	
3000			Space				-	25	A	26	-	-	-		1000		
	2600		S Out Rec				2	50	27	B	28	20	2	Wall Fan		1000	
		2600	-				-	29	C	30	-	-	-			1000	
1800			Patch Trlr				2	30	31	A	32	20	2	Roof Fan	1000		
	1800		-				-	33	B	34	-	-	-		1000		
		1800	Space					35	C	36	100	3	Welder			5000	
		1800	Space					37	A	38	-	-	-		5000		
		1800	Space					39	B	40	-	-	-			5000	
		1800	Space					41	C	42							
9300	10400	8600	VA/LINE										15700	14360	8720		
ØA= 25000			ØB= 24760										ØC= 17320				
CONTINUOUS LOADS			NON-CONTINUOUS LOADS														
x1.25=			UP TO 10 kVA 1080 x1.00= 1080										OTHER 66000 x1.00 66000				
			REMAINDER x0.50=														
TOTAL DESIGN KVA= 67			TOTAL DESIGN AMPS= 186														

1 OVERALL BUILDING LOAD CALCULATION
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MOUNTING SURFACE		PANEL E(2)										10,000 A.I.C. SYM					
208/120 VOLTS 3 PHASE 4 WIRE		MAIN FEED THRU										BUS 400 A					
VOLT AMPS		DESCRIPTION										VOLT AMPS					
ØA	ØB	ØC	DESCRIPTION	R	L	P	B	C	C	B	P	R	DESCRIPTION	ØA	ØB	ØC	
ØA	ØB	ØC		E	T	O	K	I	I	K	O	E					
1800			Block Heater				1	20	43	A	44	20	1	Block Heater	1800		
	1800		Block Heater				1	20	45	B	46	20	1	Block Heater		1800	
		1800	Block Heater				1	20	47	C	48	20	1	Block Heater			1800
1800			Block Heater				1	20	49	A	50	20	1	Block Heater	1800		
	1800		Block Heater				1	20	51	B	52	20	1	Block Heater		1800	
		1800	Block Heater				1	20	53	C	54	20	1	Block Heater			1800
1800			Block Heater				1	20	55	A	56	20	1	Block Heater	1800		
	1800		Block Heater				1	20	57	B	58	20	1	Block Heater		1800	
		1800	Block Heater				1	20	59	C	60	20	1	Block Heater			1800
1800			Block Heater				1	20	61	A	62	20	1	Block Heater	1800		
		1800	Spare				1	20	63	B	64	20	1	Spare			
		1800	Spare				1	20	65	C	66	20	1	Spare			
		1800	Spare				1	20	67	A	68	20	1	Spare			
		1800	Space					69	B	70				Space			
		1800	Space					71	C	72				Space			
		1800	Space					73	A	74				Space			
		1800	Space					75	B	76				Space			
		1800	Space					77	C	78				Space			
		1800	Space					79	A	80				Space			
		1800	Space					81	B	82				Space			
		1800	Space					83	C	84				Space			
7200	5400	5400	VA/LINE										7200	5400	5400		
ØA= 14400			ØB= 10800										ØC= 10800				
CONTINUOUS LOADS			NON-CONTINUOUS LOADS														
x1.25=			UP TO 10 kVA 720 x1.00= 720										OTHER 36000 x1.00 36000				
			REMAINDER x0.50=														
TOTAL DESIGN KVA= 36			TOTAL DESIGN AMPS= 100														

MOUNTING SURFACE		PANEL C										10,000 A.I.C. SYM					
208/120 VOLTS 3 PHASE 4 WIRE		MAIN MLO										BUS 100 A					
VOLT AMPS		DESCRIPTION										VOLT AMPS					
ØA	ØB	ØC	DESCRIPTION	R	L	P	B	C	C	B	P	R	DESCRIPTION	ØA	ØB	ØC	
ØA	ØB	ØC		E	T	O	K	I	I	K	O	E					
360			Recepts				2	1	20	1	A	2	30	2	Pressure Washer	2400	
	360		Recepts				2	1	20	3	B	4	-	-		2400	
		360	Space					5	C	6				Space			
		360	Space					7	A	8				Space			
		360	Space					9	B	10				Space			
		360	Space					11	C	12				Space			
		360	Space					13	A	14				Space			
		360	Space					15	B	16				Space			
		360	Space					17	C	18				Space			
		360	Space					19	A	20				Space			
		360	Space					21	B	22				Space			
		360	Space					23	C	24				Space			
		360	Space					25	A	26				Space			
		360	Space					27	B	28				Space			
		360	Space					29	C	30				Space			
360	360		VA/LINE										2400	2400			
ØA= 2760			ØB= 2760										ØC=</				

