



SCALE: 1/8"=1'-0"

LOAD CENTER SCHEDULE - 'F1' WELDING FANS FED FROM PANEL "S5"																																				
MAIN 80A MLO					VOLTAGE 208/120		WIRE 4		PHASE 3		MOUNTING SURFACE		A/C 22,000		NOTES: COPPER BUS																					
CKT #	TRIP	POLE	WIRE SIZE	COND. SIZE	DESCRIPTION	LTG	REC	MTR	A/C	HTG	KIT	MISC	A	B	C	LTG	REC	MTR	A/C	HTG	KIT	MISC	COND. SIZE	WIRE	POLE	TRIP	CKT #									
1	50	1	6	1"	WELDING FAN				2.9								2.9							1"	6	1	50	2								
3	50	1	6	1"	WELDING FAN				2.9								2.9							1"	6	1	50	4								
5	50	1	6	1"	WELDING FAN				2.9								2.9							1"	6	1	50	6								
7	50	1	6	1"	WELDING FAN				2.9																	1		8								
LIGHTING (KVA):						0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	0.0	0.0	0.0	0.0	0.0	CONNECTED LOAD (KVA)						20.2							
RECEPTACLES (KVA):						0.0																	DEMAND LOAD (KVA)						20.9							
MOTORS (KVA):						20.2	PHASE A				9	72.0																								
A/C (KVA):						0.0	PHASE B				6	48.0													CONNECTED LOAD (AMPS):						56.0					
HEATING (KVA):						0.0	PHASE C				6	48.0													DEMAND LOAD (AMPS):						58.0					
KITCHEN (KVA):						0.0					KVA				AMPS																					
MISCELLANEOUS (KVA):						0.0																														

NOTES: THIS PANEL IS FOR WELDING BOOTH FUME EXTRACTION FANS ONLY. NO OTHER CIRCUITS SHALL BE FED FROM THIS PANEL. PANEL SHALL BE AN 8 POLE, 3-PHASE LOAD CENTER.

<b>F1 DEMAND CALCS</b>					
LIGHTING	0.00	KVA	X	125 %	= 0.0 KVA
RECEPTAC TOTAL	0.00	KVA			
1ST	10.00	KVA	X	100 %	= 0.0 KVA
REMAIN	0.00	KVA	X	50 %	= 0.0 KVA
MOTORS	17.28	KVA	X	100 %	= 17.3 KVA
LARGEST	2.88	KVA	X	125 %	= 3.6 KVA
A/C	0.00	KVA	X	100 %	= 0.0 KVA
HEATING	0.00	KVA	X	100 %	= 0.0 KVA
FUTURE	_____	KVA	X	100 %	= 0.0 KVA
KITCHEN	0.00	KVA	X	65 %	= 0.0 KVA
MISCELLANEOUS	0.00	KVA	X	100 %	= 0.0 KVA
TOTAL	=	58.0	amps	=	20.9 KVA

LOAD CENTER SCHEDULE - 'F2' WELDING FANS FED FROM PANEL "S5"																																
MAIN: 800 MLO						VOLTAGE: 208/120		PHASE 3		WIRE: 4		MOUNTING SURFACE		AIC: 22,000		NOTES: COPPER BUS																
CKT	TRIP	POLE	WIRE	COND	SIZE	DESCRIPTION	LTG	REC	MTR	A/C	HTG	KIT	MISC	PHASE	LTG	REC	MTR	A/C	HTG	KIT	MISC	DESCRIPTION	COND	SIZE	POLE	BKR	CKT					
1	50	1	6	1"		WELDING FAN			2.9								2.9						WELDING FAN	1"	6	1	50	2				
3	50	1	6	1"		WELDING FAN			2.9								2.9						WELDING FAN	1"	6	1	50	4				
5	50	1	6	1"		WELDING FAN			2.9								2.9						WELDING FAN	1"	6	1	50	6				
7	50	1	6	1"		WELDING FAN			2.9														SPACE			1		8				
RECEPTACLES (KVA):							0.0								0.0								0.0									
LIGHTING (KVA):							0.0								0.0								0.0									
MOTORS (KVA):							20.2								PHASE A	9	72.0								20.2							
A/C (KVA):							0.0								PHASE B	6	48.0								56.0							
HEATING (KVA):							0.0								PHASE C	8	48.0								56.0							
KITCHEN (KVA):							0.0																									
MISCELLANEOUS (KVA):							0.0																									
NOTES: THIS PANEL IS FOR WELDING BOOTH FUME EXTRACTION FANS ONLY. NO OTHER CIRCUITS SHALL BE FED FROM THIS PANEL. PANEL SHALL BE AN 8-POLE, 3-PHASE LOAD CENTER.																																

<b>F2 DEMAND CALCS</b>				
LIGHTING	0.00	KVA	X 125 %	= 0.0 KVA
RECEPTACLES	0.00	KVA		
1ST	10.00	KVA	X 100 %	= 0.0 KVA
REMAIN	0.00	KVA	X 100 %	= 0.0 KVA
MOTORS	17.28	KVA	X 100 %	= 17.3 KVA
LARGEST	2.88	KVA	X 125 %	= 3.6 KVA
A/C	0.00	KVA	X 100 %	= 0.0 KVA
HEATING	0.00	KVA	X 100 %	= 0.0 KVA
FUTURE	_____	KVA	X 100 %	= 0.0 KVA
KITCHEN	0.00	KVA	X 65 %	= 0.0 KVA
MISCELLANEOUS	0.00	KVA	X 100 %	= 0.0 KVA
TOTAL	=	58.0 amps	=	20.9 KVA