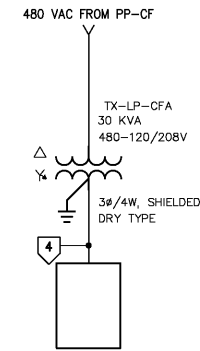
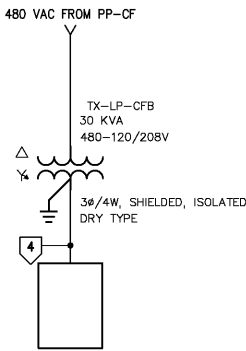


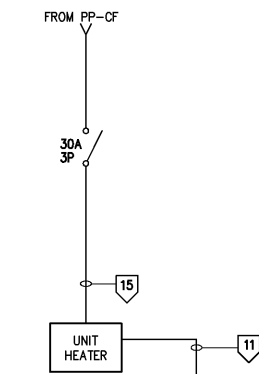
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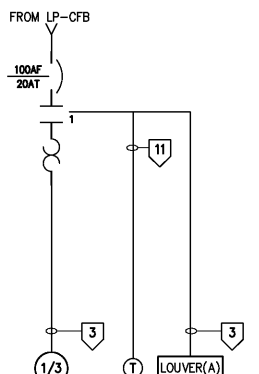
LP-CFA
WIRING DIAGRAM



LP-CFB
WIRING DIAGRAM

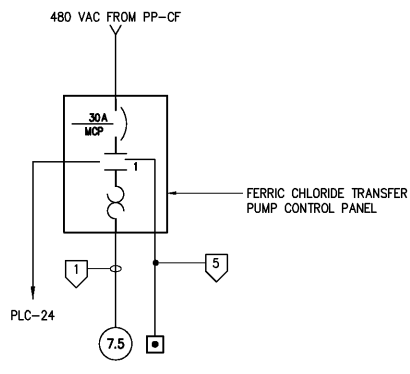


UH-580 AND UH-581
WIRING DIAGRAM

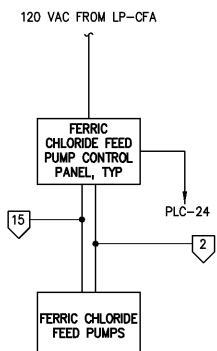


EF-580 - EF-582 MOTOR STARTER
WIRING DIAGRAM

EXHAUST FAN	LOUVER(A)
EF-580	L-580
EF-581	L-581
EF-582	L-582



FERRIC CHLORIDE TRANSFER
PUMP WIRING DIAGRAM, TYP



FERRIC CHLORIDE FEED
PUMPS NO. 1 - NO. 10
WIRING DIAGRAM, TYP

CONDUIT AND WIRE LEGEND (NUMBERS REFERENCE THIS SHEET ONLY)	
NO.	DESCRIPTION
1	3#10, 2#12, 4#14, #12G, 1°C
2	2-TTS, 3/4°C
3	2#12, #12G, 3/4°C
4	4#3, #6G, 2°C
5	6#14, #14G, 3/4°C
6	CABLE BY SUPPLIER, 1°C
7	2-TPS, 1°C
8	24#14, #14G, 2°C
9	3#10, #12G, 3/4°C
10	3#8, #10G, 1°C
11	2#14, #14G, 3/4°C
12	8-TPS, 2°C
13	3#2, #6G, 2°C
14	NOT USED
15	3#12, #12G, 3/4°C

120/208 VOLTS 3# 4 WIRE										LP-CFB										TYPE: MOUNT: SURFACE									
										MAIN BKR 100 A 3 P																			
DESCRIPTION		WIRE	CKT BKR			VOLT AMPERE				VOLT AMPERE		CKT BKR			WIRE	DESCRIPTION				VOLT AMPERE		CKT BKR			WIRE	DESCRIPTION			
			TRIP	POLE	NO	#A	#B	#C		#A	#B	#C	NO	POLE	TRIP					#A	#B	#C	NO	POLE	TRIP				
FIT-58411 & FIT-58412		3	20	1	1	200				200			2	1	20	3	FIT-58413 & FIT-58414								3	FIT-58413 & FIT-58414			
FIT-58415		3	20	1	3		100				1000		4	1	20	3	MOV-58212								3	MOV-58212			
MOV-58211		3	20	1	5			1000				1000	6	1	20	3	MOV-58214								3	MOV-58214			
MOV-58213		3	20	1	7	1000				300			8	1	20	3	PLC-24								3	PLC-24			
LIT-58403		3	20	1	9		100				100		10	1	20	3	LIT-58401								3	LIT-58401			
LIT-58404		3	20	1	11			100				100	12	1	20	3	LIT-58402								3	LIT-58402			
LIT-5 (FUTURE)		3	20	1	13								14	1	20	3	LIT-6 (FUTURE)								3	LIT-6 (FUTURE)			
EF 580 MOTOR STARTER		3	20	1	15		100				700		16	1	20	3	EF 581 MOTOR STARTER								3	EF 581 MOTOR STARTER			
EF 582 MOTOR STARTER		3	20	1	17			100				200	18	1	20	3	FE/FIT-58413 & 58414								3	FE/FIT-58413 & 58414			
FE/FIT-58411 & 58412		3	20	1	19	200							20	1	20	3	MOV-5 (FUTURE)								3	MOV-5 (FUTURE)			
SPARE		3	20	1	21								22	1	20	3	MOV-6 (FUTURE)								3	MOV-6 (FUTURE)			
SPARE		3	20	1	23								24	1	20	3	SPARE								3	SPARE			
SPARE		3	20	1	25								26	1	20	3	SPARE								3	SPARE			
SPARE		3	20	1	27								28	1	20	3	SPARE								3	SPARE			
SPARE		3	20	1	29								30	1	20	3	SPARE								3	SPARE			
SPARE		3	20	1	31								32	1	20	3	SPARE								3	SPARE			
SPARE		3	20	1	33								34	1	20	3	SPARE								3	SPARE			
SPARE		3	20	1	35								36	1	20	3	SPARE								3	SPARE			
SPARE		3	20	1	37								38	1	20	3	SPARE								3	SPARE			
SPARE		3	20	1	39								40	1	20	3	SPARE								3	SPARE			
SPARE		3	20	1	41								42	1	20	3	SPARE								3	SPARE			
NEMA 12 TVSS			TOTAL			1400	300	1200		500	1800	1300	TOTAL																
						PHASE TOTAL				TOTAL LOAD																			
						1900	2100	2500																					

120/208 VOLTS 3#, 4 WIRE										LP-CFA										TYPE: MOUNT: SURFACE									
										MAIN BKR 100 A 3 P																			
DESCRIPTION	WIRE	CKT BKR			VOLT AMPERE			VOLT AMPERE			CKT BKR			WIRE	DESCRIPTION														
		TRIP	POLE	NO	#A	#B	#C	#A	#B	#C	NO	POLE	TRIP																
FERRIC CHLORIDE PUMP ROOM LGTS	3	20	1	1	650			1500			2	1	20	3	FERRIC CHLORIDE STORAGE T. LGTS														
ELECTRICAL ROOM LIGHTS	3	20	1	3		500			600		4	1	20	3	OUTDOOR LIGHTS														
ELECTRICAL ROOM RECEPTACLES	3	20	1	5			360			540	6	1	20	3	PUMP ROOM RECEPTACLES														
HEAT TRACING	3	20	1	7	1000			1000			8	1	20	3	SPARE														
FCFPCP-1	3	20	2	9		1000			1000		10	1	20	3	SPARE														
FCFPCP-1	3			11			1000			1000	12	1	20	3	FCFPCP-6														
FCFPCP-7	3	20	1	13	1000			1000			14	1	20	3	FCFPCP-8														
FCFPCP-9 (FUTURE)	3	20	1	15							16	1	20	3	FCFPCP-10 HEAT TRACING														
TANK CONTROL PANEL	3	20	1	17			200			1000	18	1	20	3	HEAT TRACING														
CHEMICAL SUMP PUMP	3	20	1	19	500			1000			20	1	20	3	HEAT TRACING														
HEAT TRACING (FILL PANEL)	3	20	1	21		1000			1000		22	1	20	3	HEAT TRACING														
HEAT TRACING	3	20	1	23			1000			1000	24	1	20	3	HEAT TRACING														
HEAT TRACING	3	20	1	25	1000				1000		26	1	20	3	HEAT TRACING														
HEAT TRACING	3	20	1	27		1000			1000		28	1	20	3	HEAT TRACING														
TANK NO.1 HEAT TRACING	3	20	1	29			1500			1500	30	1	20	3	TANK NO.2 HEAT TRACING														
TANK NO.3 HEAT TRACING	3	20	1	31	1500				1500		32	1	20	3	TANK NO.4 HEAT TRACING														
TANK NO.5 HEAT TRACING (FUTURE)	3	20	1	33							34	1	20	3	TANK NO.6 HEAT TRACING (FUTURE)														
FCFPCP-3	3	20	2	35							36	2	20	3	FCFPCP-2														
FCFPCP-3	3			37							38			3	FCFPCP-2														
FCFPCP-5	3	20	2	39							40	2	20	3	FCFPCP-4														
FCFPCP-5	3			41							42			3	FCFPCP-4														
NEMA 12 TVSS		TOTAL			5650	3500	4060	7000	3600	5040	TOTAL																		
		PHASE TOTAL						TOTAL LOAD																					
					12650	7100	9100	28850																					