

PARSON & SANDERSON, INC.

PANEL SP
TRIPLEX PUMP
CONTROL PANEL
SLUDGE PUMPS
CITY OF LAKE CHARLES

PARSON & SANDERSON, INC.
P.O. BOX 958
METAIRIE, LA 70004
(504) 733-1330 Fax (504) 736-9348

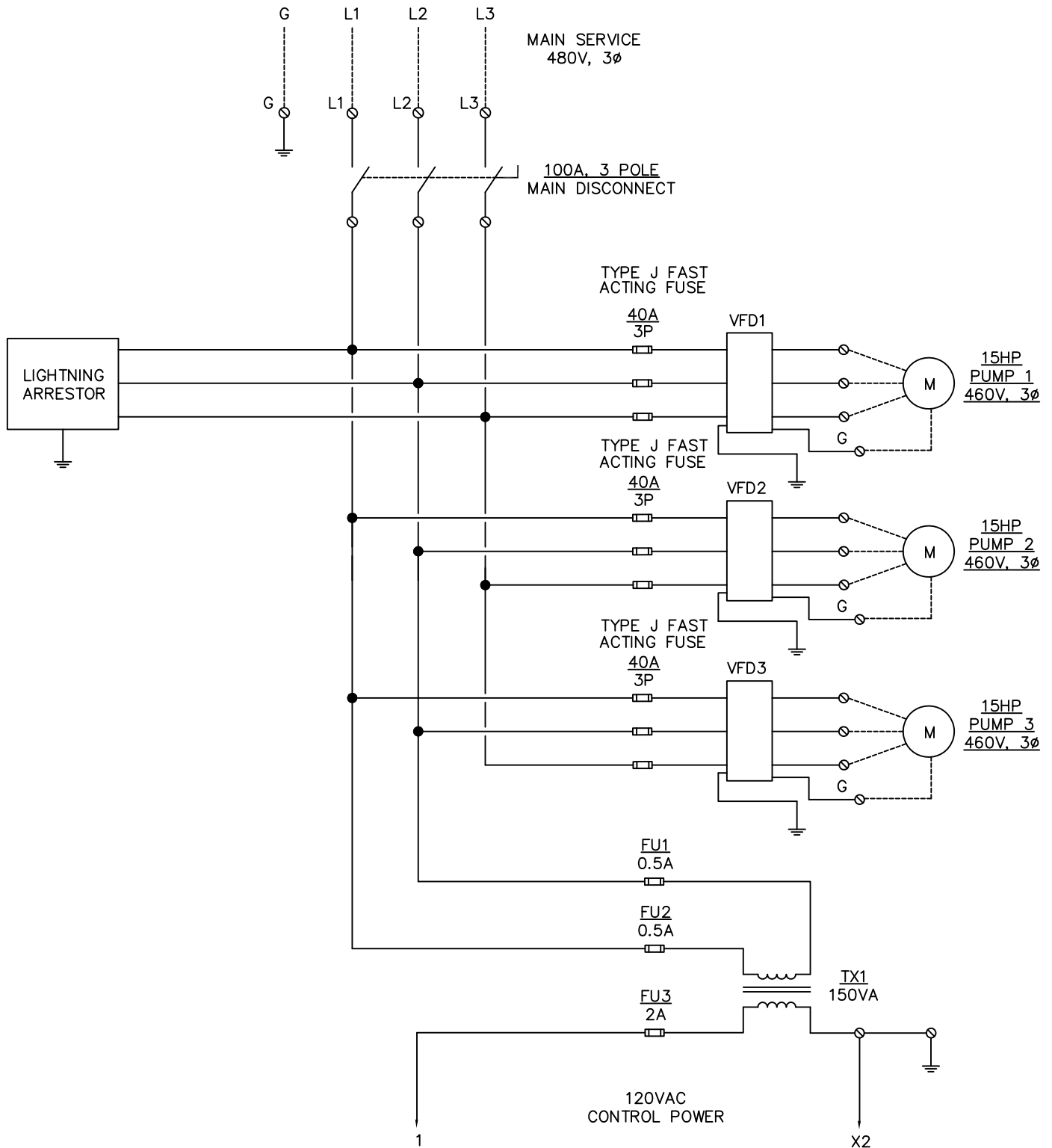
CP-1499

CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 12	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	PS	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	Remote	(Floats, Bubbler, Other)
CAPACITORS	No	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

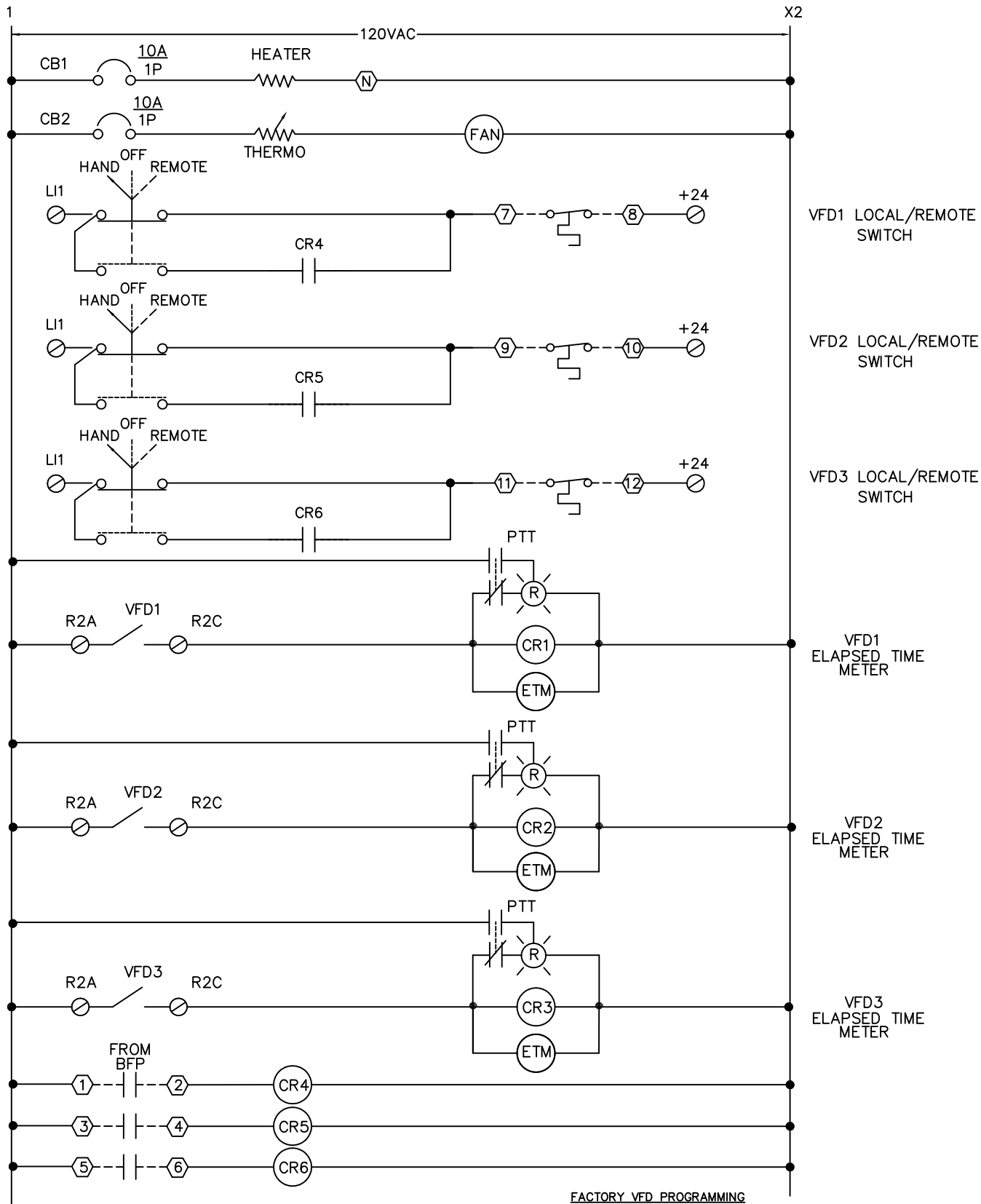
SEAL FAIL LIGHTS	_____	(Submersible Only)
SEAL FAIL RELAYS	_____	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	_____	(Submersible Only)
HT PUMP SHUTDOWN	_____	(Self-Primer, Submersible)
ALARM HORN	_____	
ALARM LIGHT	_____	
LIGHT PANEL MTD	_____	
LIGHT REMOTE MTD	_____	
LIGHT FLASHER	_____	
LIGHTNING ARRESTER	<u> X </u>	
ELAPSED TIME METER	<u> X </u>	
PHASE MONITOR	_____	
NEMA RATED STARTERS	_____	
GROUND FAULT RECPT.	_____	
GREEN RUN LIGHTS VS. RED	_____	
POLE, BOX, SEAL	_____	
INTRINSICALLY SAFE RELAYS	_____	
HIGH TEMP. LOCKOUT, MANUAL RESET	_____	
ECONOMY VERSION	_____	

SHIP TO: Lake Charles WWTP Plant A

	Drawing Title						
	PANEL DESCRIPTION						
DATE 12/03/02		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN	DATE APPROVED	BY
	Project Title	PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348				PURCHASE ORDER NUMBER	
	TRIPLEX PUMP CONTROL PANEL					DRAWING NUMBER CP-1499	
						SHEET NUMBER 1	



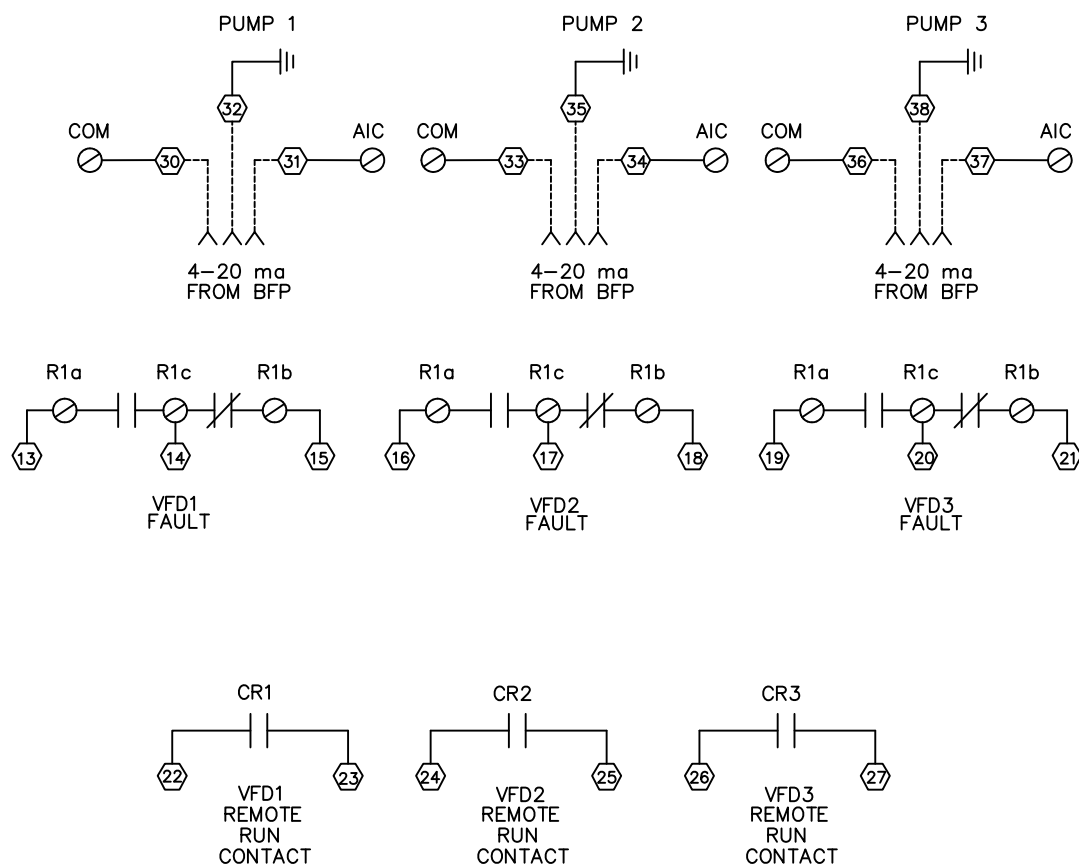
	Drawing Title							
	POWER DIAGRAM							
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	
12/03/02		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN	APPROVED		
	Project Title				BY	DATE		
	TRIPLEX PUMP CONTROL PANEL	PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348					PURCHASE ORDER NUMBER	
							DRAWING NUMBER CP-1499	
							SHEET NUMBER 2	



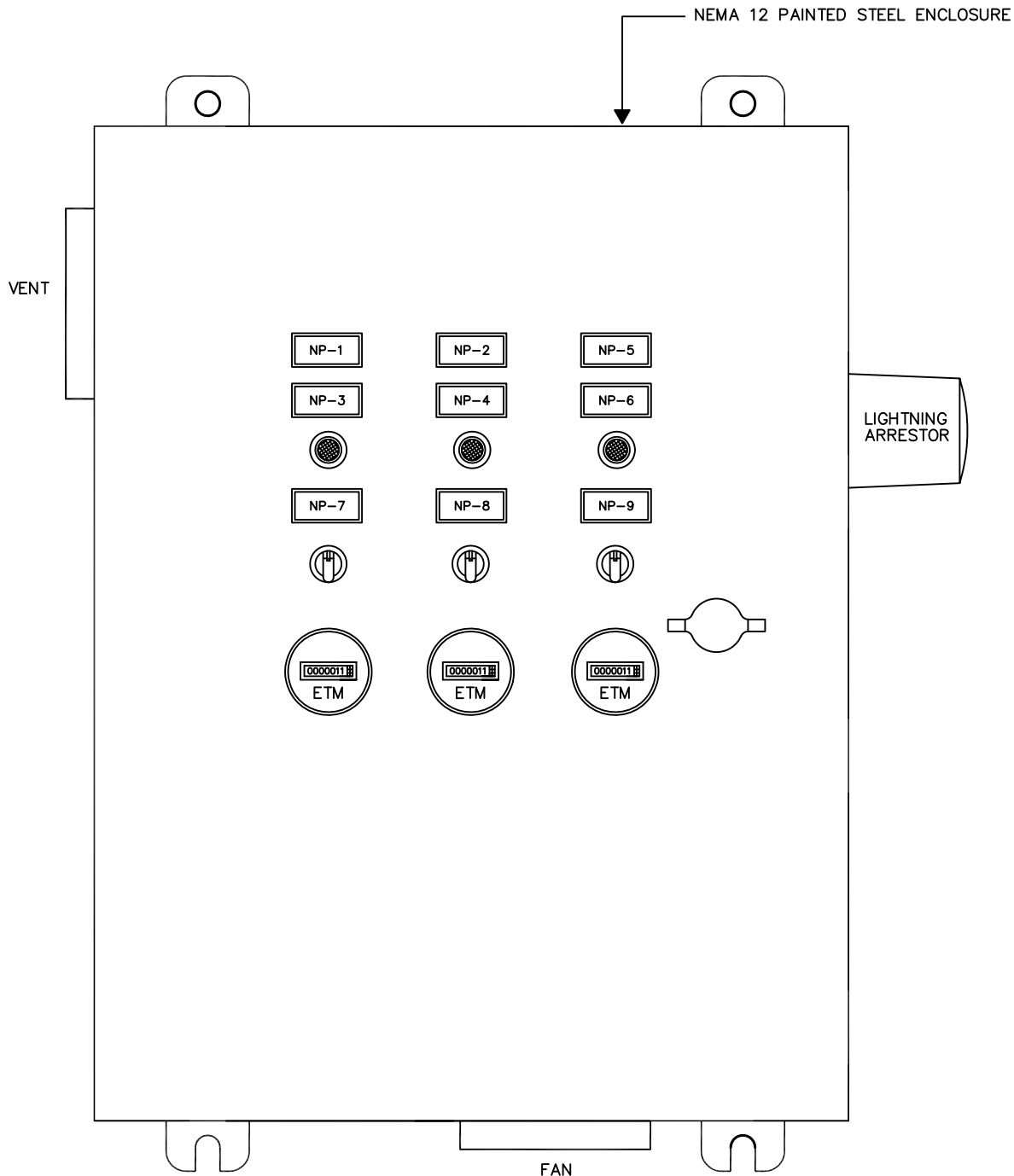
FACTORY VFD PROGRAMMING

FACTORY DEFAULTS EXCEPT:
bFR = 60HZ
LSP = 16-60HZ (MIN.-MAX SPEED) (4 ma = 16, 20 ma = 60)
ItH = 17.9 FLA MOTOR AMPS

	Drawing Title
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	Drawing Title							
	CONTROL DIAGRAM							
DATE 12/03/02		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY CTR	ECN	DATE	BY
	Project Title	PARSON & SANDERSON, INC.				PURCHASE ORDER NUMBER		
	TRIPLEX PUMP CONTROL PANEL	P.O. BOX 958				DRAWING NUMBER		
		METAIRIE, LA 70004				CP-1499		
		(504) 733-1330 Fax (504) 736-9348				SHEET NUMBER		
						4		



VIEW OF FRONT OF ENCLOSURE

NOTE:
SEWER GASSES WILL DESTROY COMPONENTS IN PANEL.
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE
PANEL TO PREVENT ENTRY OF GASSES.

NAMEPLATE SCHEDULE

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	PUMP 3
NP-4	RUN
NP-5	RUN
NP-6	RUN
NP-7	HAND-OFF-REMOTE
NP-8	HAND-OFF-REMOTE
NP-9	HAND-OFF-REMOTE

	Drawing Title ENCLOSURE									
DATE 12/03/02			REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
			S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN		APPROVED		
						BY	CTR	BY	DATE	
	Project Title		PARSON & SANDERSON, INC.						PURCHASE ORDER NUMBER	
	TRIPLEX PUMP CONTROL PANEL		P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348						DRAWING NUMBER CP-1499	
									SHEET NUMBER 5	

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	484812N12	ENCLOSURE
1a	1	EBE	A4848P	BACKPLATE
2	1	ABB	OT100E3	MAIN DISC. SWITCH
3	1	SQUARE D	9070TF150D1	TRANSFORMER
4	1	C-H	CHSA03	LIGHTNING ARRESTER
5	3	REDINGTON	711-0187	ELAPSED TIME METER
6	3	ABB	OS60J12	3P FUSIBLE DISCONNECT
7	2	ABB	OHB4	DIRECT MOUNT HANDLE
8	9	BUSSMAN	JKS-40	40A FAST ACTING
9	3	SQUARE D	ATV-28HD16N4U	VFD 480V 15HP
10	3	A-B	800H-JR2A	HOA SWITCH
11	3	A-B	800H-QRT10R	PTT RED PILOT LIGHT
12	6	OMRON	MK3PN5SAC120	CR 1,2,3,4,5,6
13	1	HOFFMAN	T-FP41UL12	FAN
14	1	HOFFMAN	T-EG4UL12	EXHAUST GRILLE
15	1	TEEL	1D008	30W HEATER
16	1			THERMOSTAT
17				
18				
19				
20				
21				
22				
23				
24				
25				

	Drawing Title							
	BILL OF MATERIALS							
DATE 12/03/02		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY	
				DRAWN BY CTR	APPROVED BY	DATE		
	Project Title	PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348				PURCHASE ORDER NUMBER		
	TRIPLEX PUMP CONTROL PANEL					DRAWING NUMBER CP-1499		
						SHEET NUMBER 6		