

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

VOLTAGE	277/480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	3	
HP	15	
FLA	21	
TYPE OF PUMP	Positive Displacement	(Self-Priming, Submersible)
MANUFACTURER		
CATALOG NUMBER		
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 3R	(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		

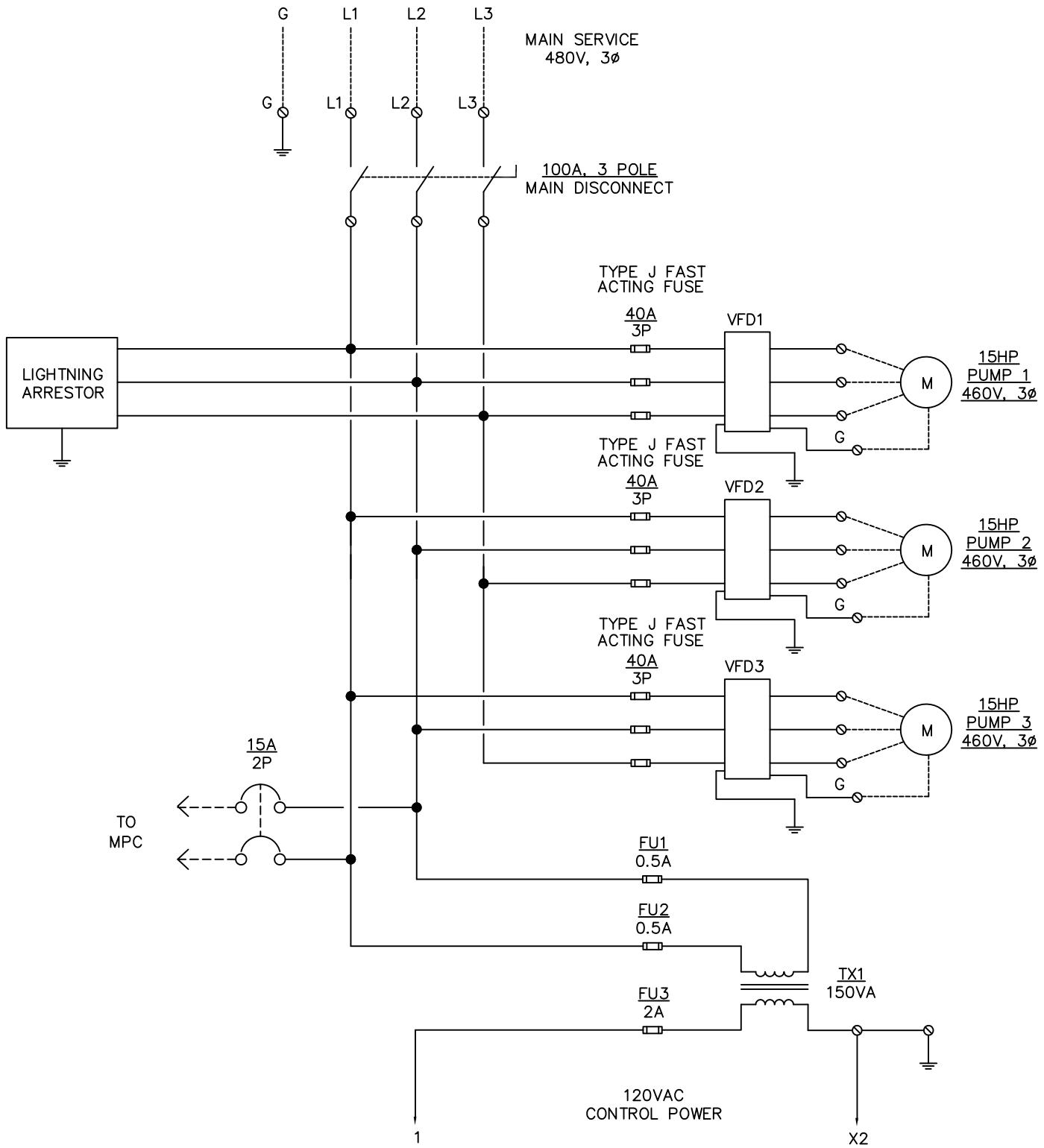
OPTIONS:

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	X	
ELAPSED TIME METER	X	
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		

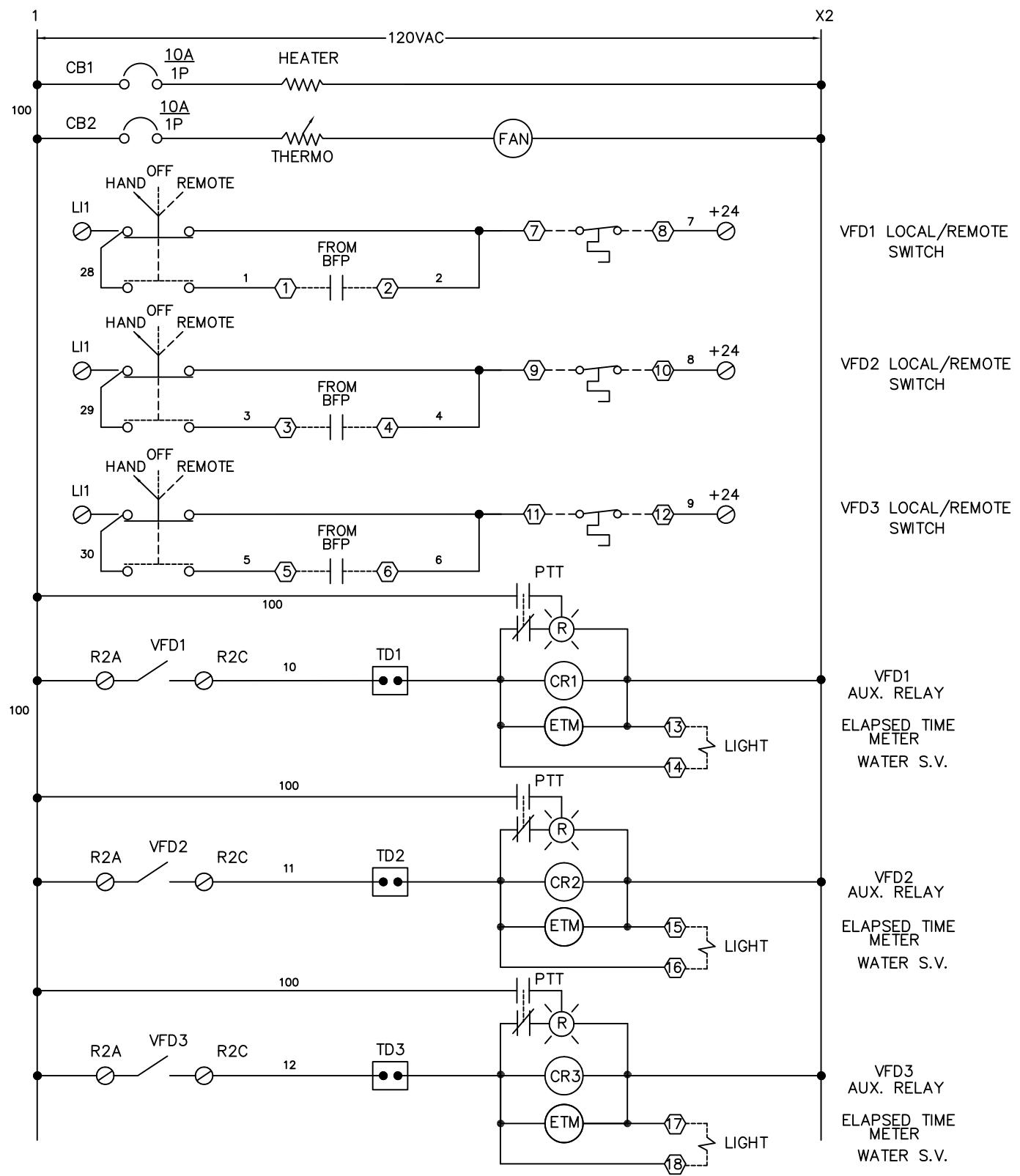
SOLD TO: Parson & Sanderson
TAG : Lake Charles WWTP
Sludge Pumps Control Panel

SHIP TO: Lake Charles WWTP Plant A

Drawing Title	PANEL DESCRIPTION	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
		S/N	Sales Engineer	Application Engineer	DRAWN	BY CTR	BY	APPROVED	DATE
DATE 12/03/02	Project Title 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 1						



	Drawing Title POWER DIAGRAM					
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C. DRAWN BY CTR	ECN	DATE APPROVED BY DATE
DATE 12/03/02	Project Title 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

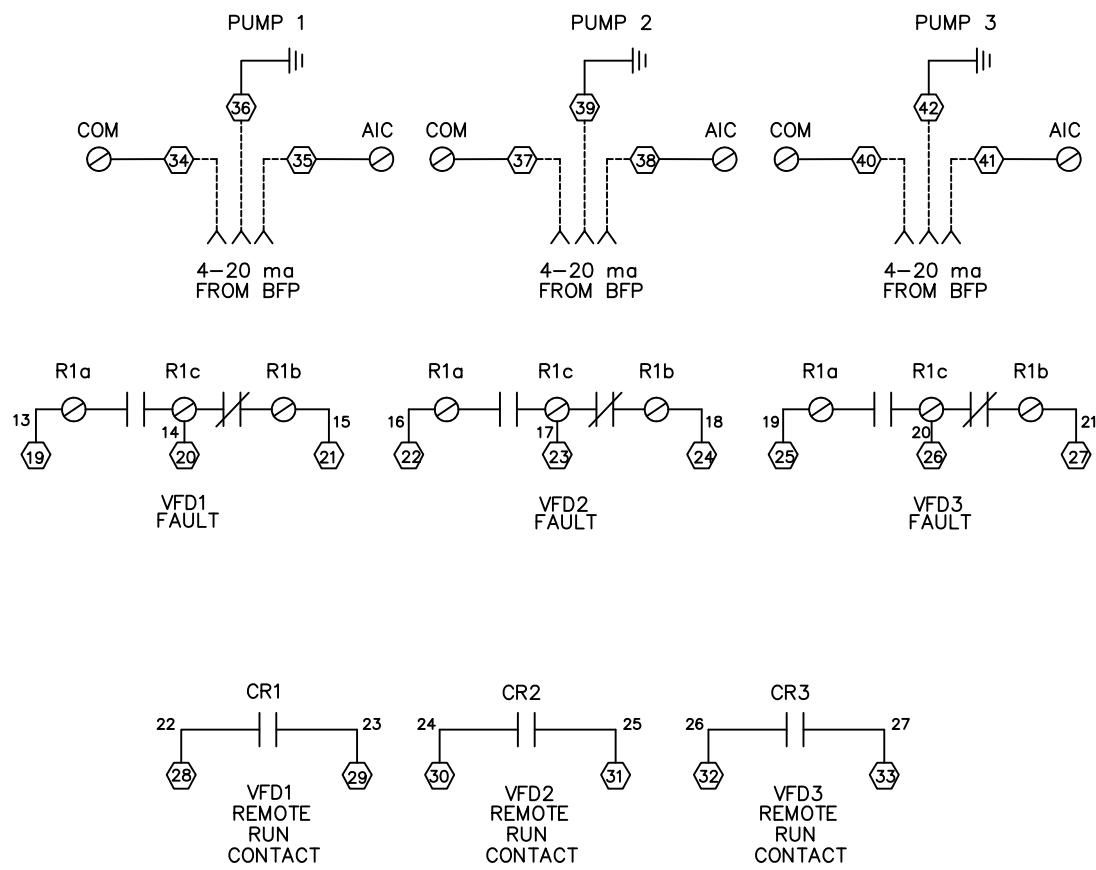
FACTORY DEFAULTS EXCEPT:

bFR = 60HZ

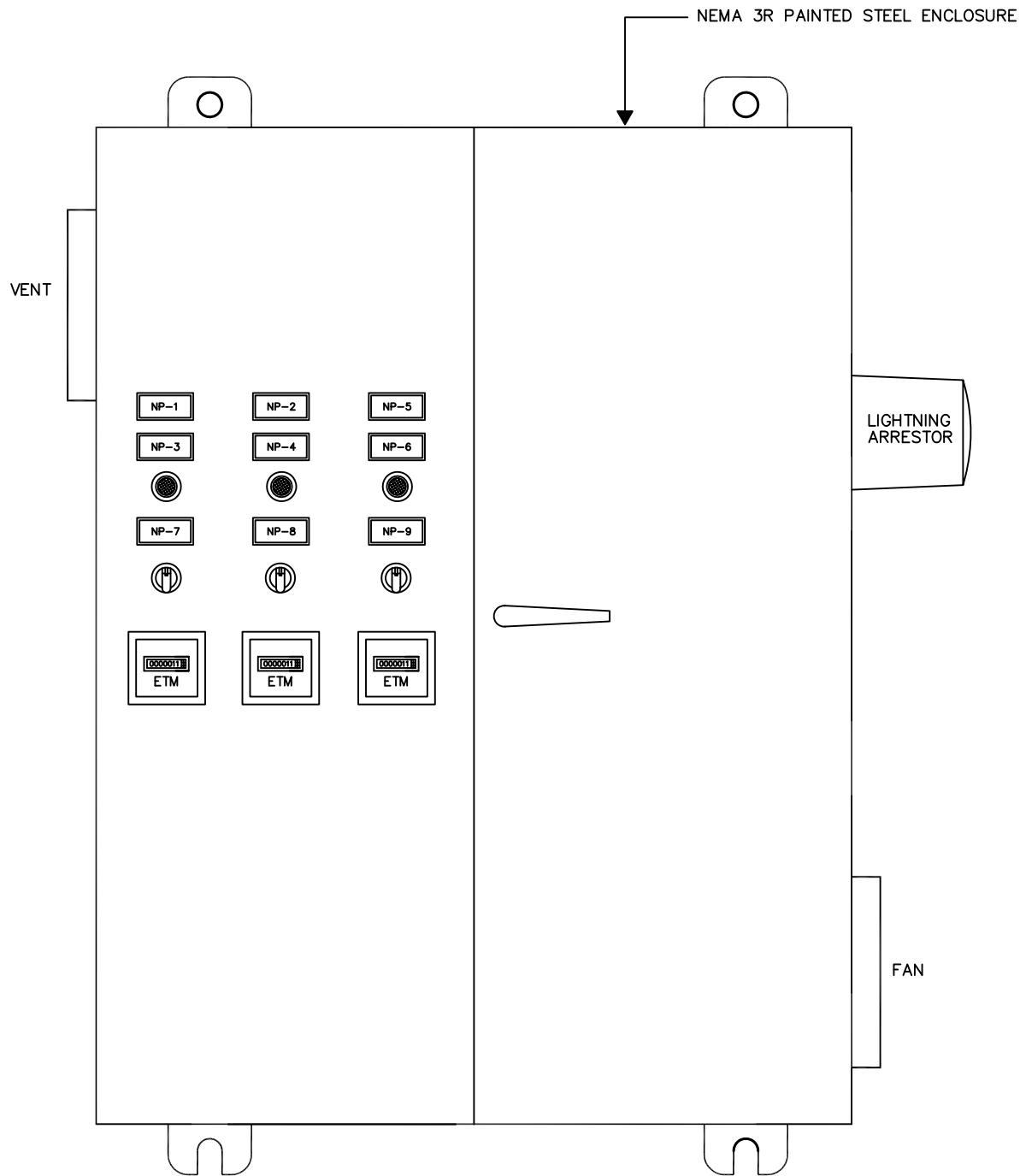
LSP = 16-60HZ (MIN.-MAX SPEED) (4 ma = 16, 20 ma = 60)

ITH = 17.9 FLA MOTOR AMPS

	Drawing Title CONTROL DIAGRAM				
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN
DATE 12/03/02		S/N	Sales Engineer	DRAWN	DATE APPROVED
		C.C.	Application Engineer	BY CTR	BY DATE
	Project Title 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	3



	Drawing Title CONTROL DIAGRAM				
DATE 12/03/02	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY CTR	DATE APPROVED BY DATE
	Project Title 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 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					
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE BY
DATE 12/03/02	S/N	Sales Engineer	Application Engineer	DRAWN BY CTR	APPROVED BY DATE	
	C.C.		R.C.			
	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 5

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	4842REPL	ENCLOSURE
1a	1	EBE	A4842P	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	3	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	3	OMRON	MK3PN5SAC120	CR 1,2,3
13	1	TEEL	1D008	30W HEATER
14	1	DAYTON	5N471	FAN
15	3	DAYTON	4YD86	GUARD
16	1	DAYTON	4YD83	REPLACEMENT FILTER
17	1	HOFFMAN	1-TEMNO	THERMOSTAT
18	3	HOFFMAN	2A561	TIME DELAY
19				
20				
21				
22				
23				
24				
25				

	Drawing Title						
	BILL OF MATERIALS						
			REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE BY
DATE 12/03/02	S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED	
		C.C.	R.C.	BY CTR		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	