

PARSON & SANDERSON, INC.

PANEL SPCP-1
SLUDGE PUMPS
CONTROL PANEL
CITY OF LAKE CHARLES

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

CP-1737

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

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

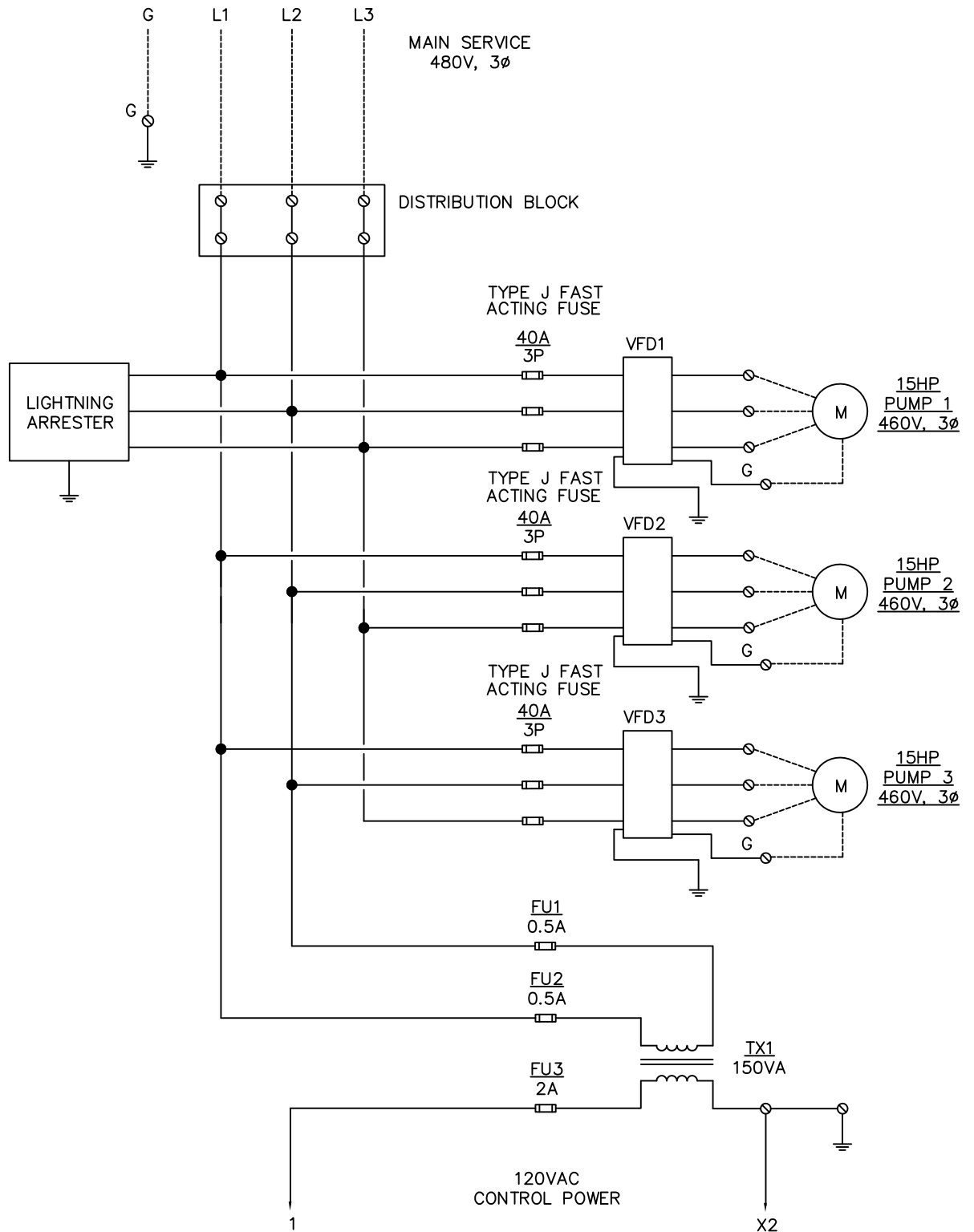
OPTIONS:

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

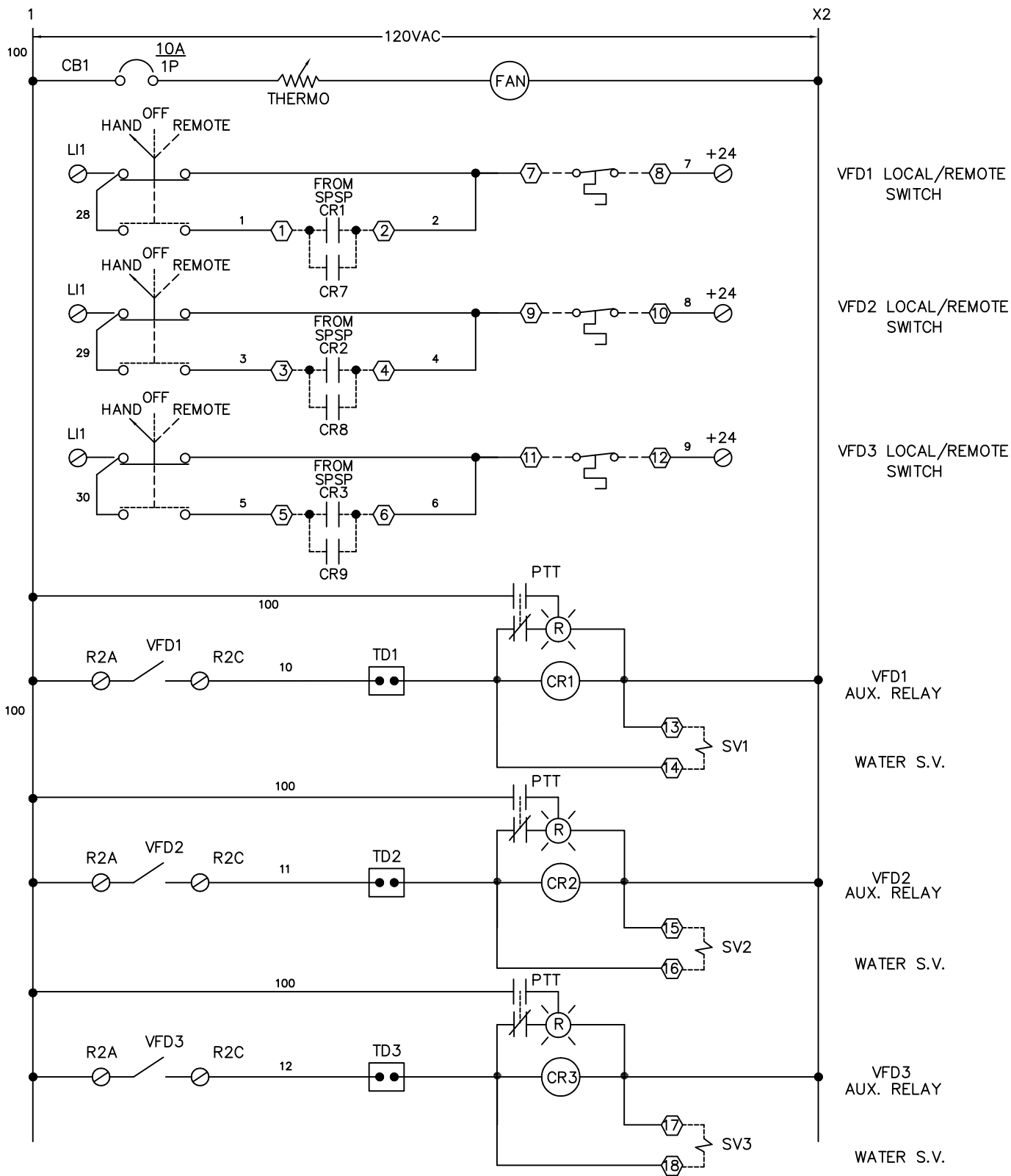
SOLD TO:	<u>Parson & Sanderson</u>
TAG :	<u>Lake Charles WWTP</u>
	<u>Sludge Pumps Control Panel</u>

SHIP TO:	<u>Lake Charles WWTP Plant D</u>
	<u></u>
	<u></u>

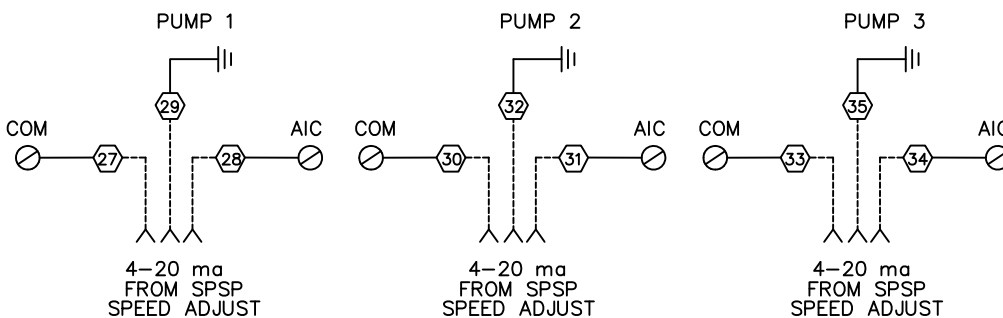
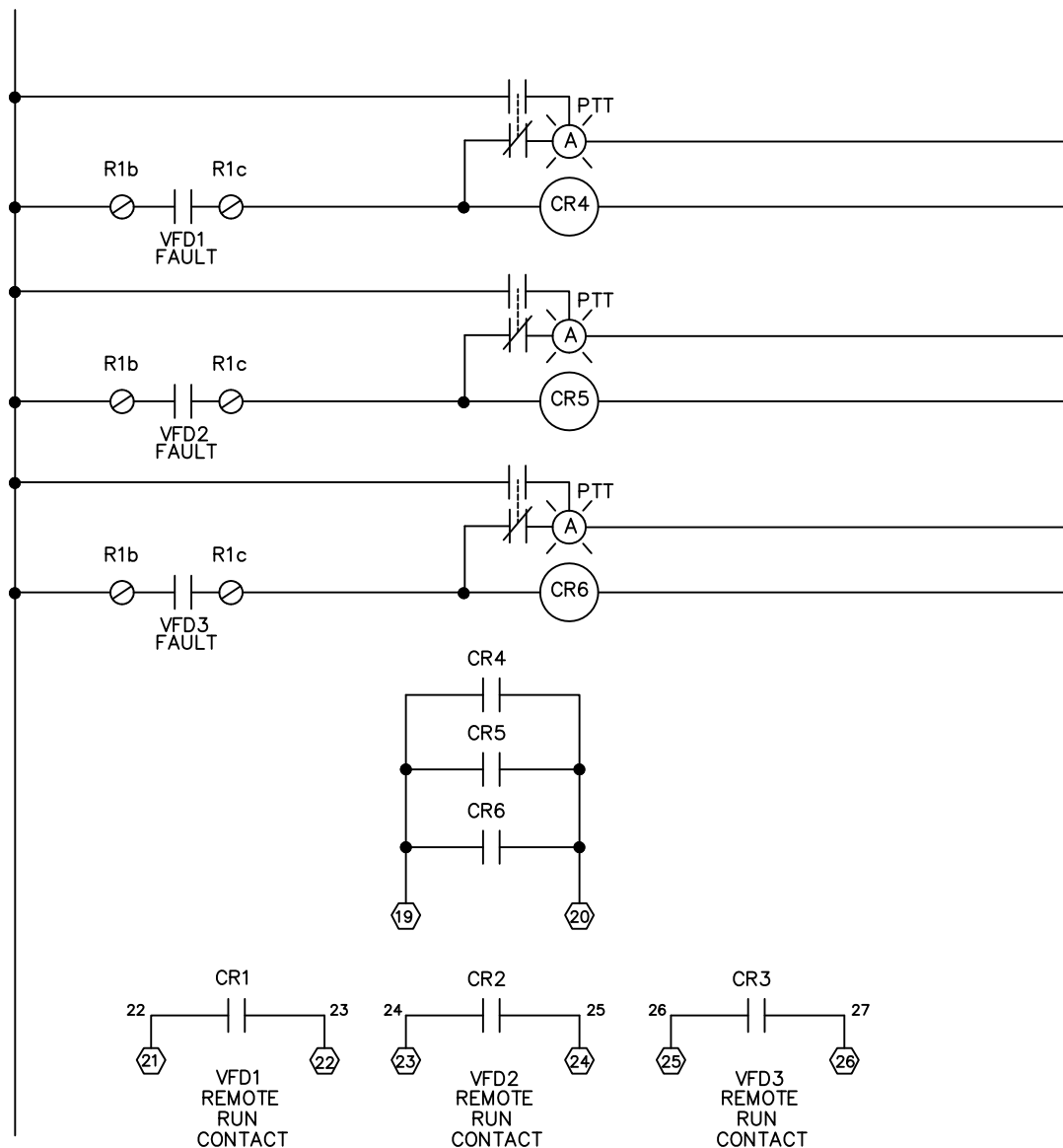
	Drawing Title						
	PANEL DESCRIPTION						
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
02/02/04		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY CTR	APPROVED BY	DATE
	Project Title	PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348				PURCHASE ORDER NUMBER	
	TRIPLEX PUMP CONTROL PANEL					DRAWING NUMBER CP-1737	
						SHEET NUMBER 1	



	Drawing Title							
	POWER DIAGRAM							
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	
02/02/04		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY CTR	APPROVED		
	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-1737		
						SHEET NUMBER		2

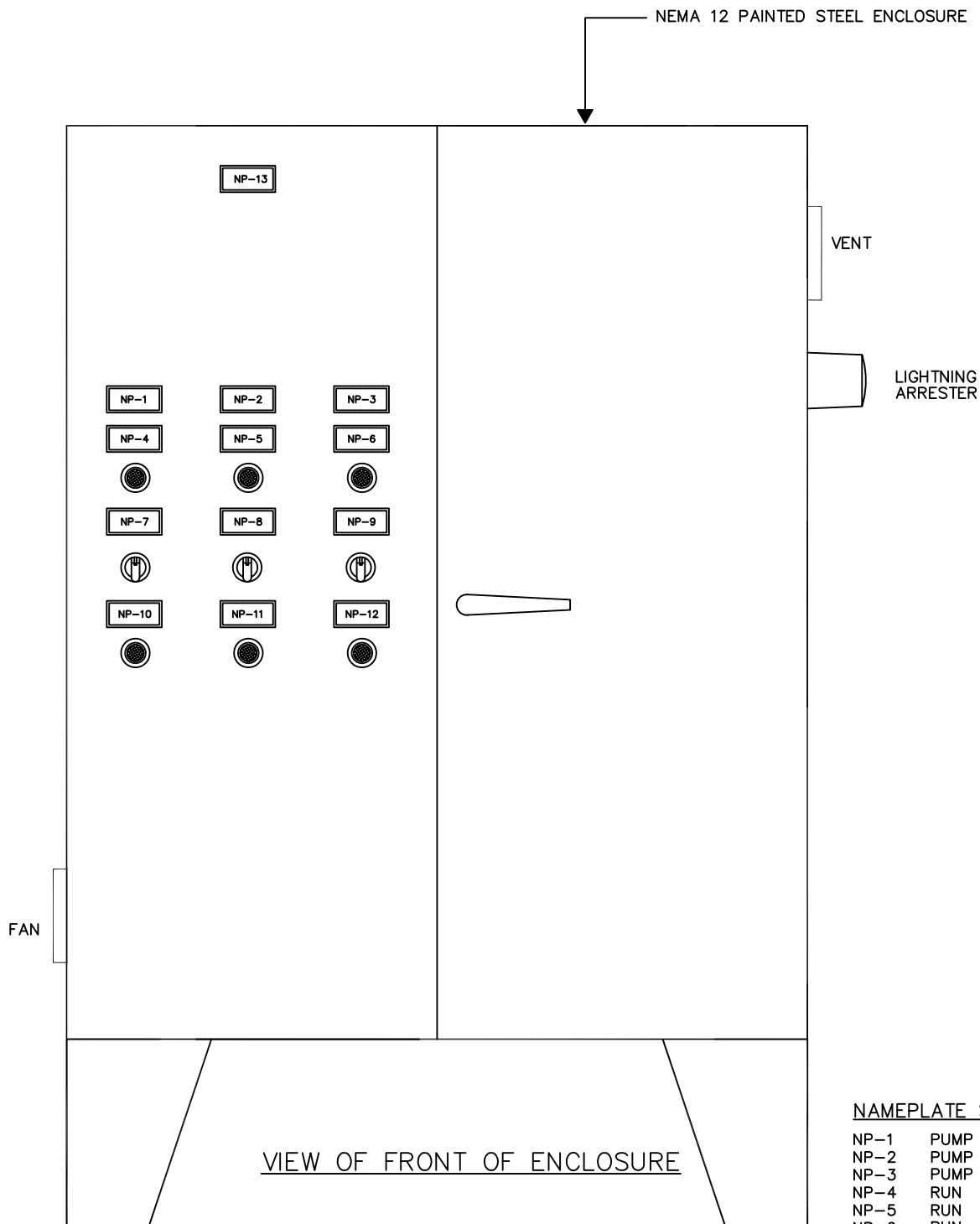


	Drawing Title								
	CONTROL DIAGRAM								
DATE	02/02/04	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY		
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY CTR	APPROVED			
	Project Title	PARSON & SANDERSON, INC.					PURCHASE ORDER NUMBER		
	TRIPLEX PUMP CONTROL PANEL	P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348					DRAWING NUMBER CP-1737		
							SHEET NUMBER 3		



	Drawing Title								
	CONTROL DIAGRAM								
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY		
02/02/04		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN	APPROVED			
	Project Title				BY	DATE			
	TRIPLEX PUMP CONTROL PANEL							PURCHASE ORDER NUMBER	
								DRAWING NUMBER CP-1737	
								SHEET NUMBER	4

PARSON & SANDERSON, INC.
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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
NP-10	VFD FAULT
NP-11	VFD FAULT
NP-12	VFD FAULT
NP-13	SLUDGE PUMPS CONTROL PANEL SPCP-1

	Drawing Title ENCLOSURE							
DATE 02/02/04			REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY	DATE 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-1737	
							SHEET NUMBER 5	

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	D604812N12	ENCLOSURE 4'X5'
1a	1	EBE	D6048P	BACKPLATE
2	1	BUSSMAN	16323-3	DISTRIBUTION BLOCK
3	1	SQUARE D	9070TF150D1	TRANSFORMER
4	1	DELTA	LA603	LIGHTNING ARRESTER
5	3	ABB	OS60J12	3P FUSIBLE DISCONNECT
6	3	ABB	OHB4	DIRECT MOUNT HANDLE
7	9	BUSSMAN	JKS-40	40A FAST ACTING
8	3	SQUARE D	ATV-28HD16N4U	VFD 480V 15HP
9	3	A-B	800H-JR2A	HOA SWITCH
10	3	A-B	800H-QRT10R	PTT RED PILOT LIGHT
11	6	OMRON	MK3PN5SAC120	CR 1,2,3
12	1	TEEL	1D008	30W HEATER
13	1	DAYTON	5N471	FAN
14	3	DAYTON	4YD86	GUARD
15	1	DAYTON	4YD83	REPLACEMENT FILTER
16	1	VYNCKIER	VESNO	THERMOSTAT
17	3	DAYTON	2A561	TIME DELAY
18	1	ZERUST		CORROSION INHIBITOR
19	3	A-B	800H-QRT10A	PTT AMBER PILOT LIGHT
20	1	BUSSMAN	CPDB-3	DISTRIBUTION BLOCK COVER
21	1	SQUARE D	QOU110	CB1
22				
23				
24				
25				

	Drawing Title							
	BILL OF MATERIALS							
DATE		REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE
02/02/04		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY CTR		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-1737	
							SHEET NUMBER 6	

FACTORY SETTINGS

VFD: bFr = 60.0
 LSP = 16.0
 ItH = 21.0
 r2 = SrA

TO SET OVERLOAD FROM rdy:

PRESS (ENT)
SET-
PRESS (ENT)

FACTORY SETTING:
21.0 AMPS

ACC (ENT)
PRESS (▼) 4 TIMES

ItH

PRESS (ENT)

ADJUST RUN AMPS USING (▲) AND (▼) KEYS

PRESS (ENT)

PRESS (ESC) 3 TIMES