

**PARSON & SANDERSON, INC.**

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

**AS BUILTS**

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**PARSON & SANDERSON, INC.**

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

CP-1737

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	
MANUFACTURER		
CATALOG NUMBER		
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		

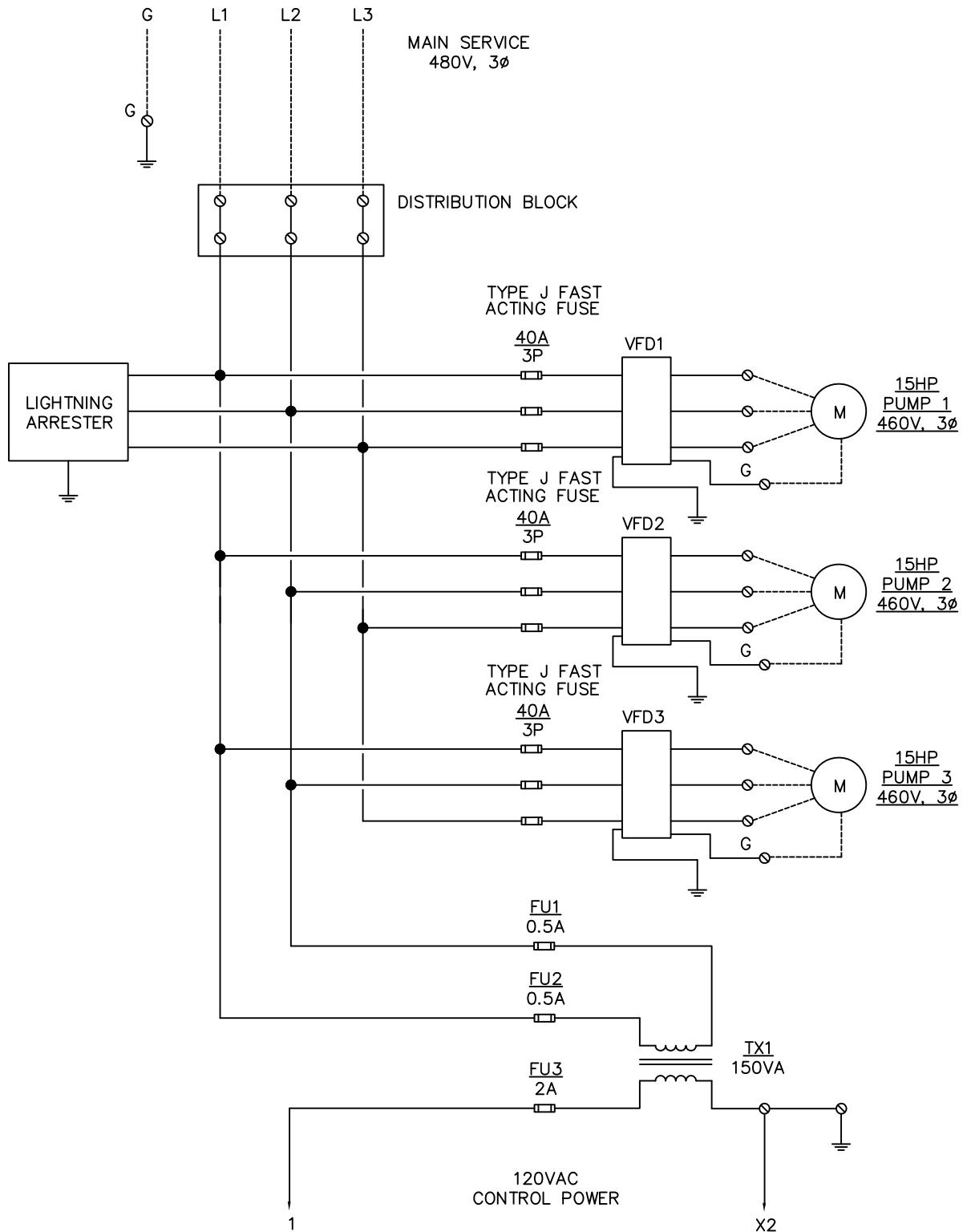
OPTIONS:

SEAL FAIL LIGHTS		(Submersible Only)
SEAL FAIL RELAYS		(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN	X	(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT		
LIGHT PANEL MTD		
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER	X	
ELAPSED TIME METER		
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		

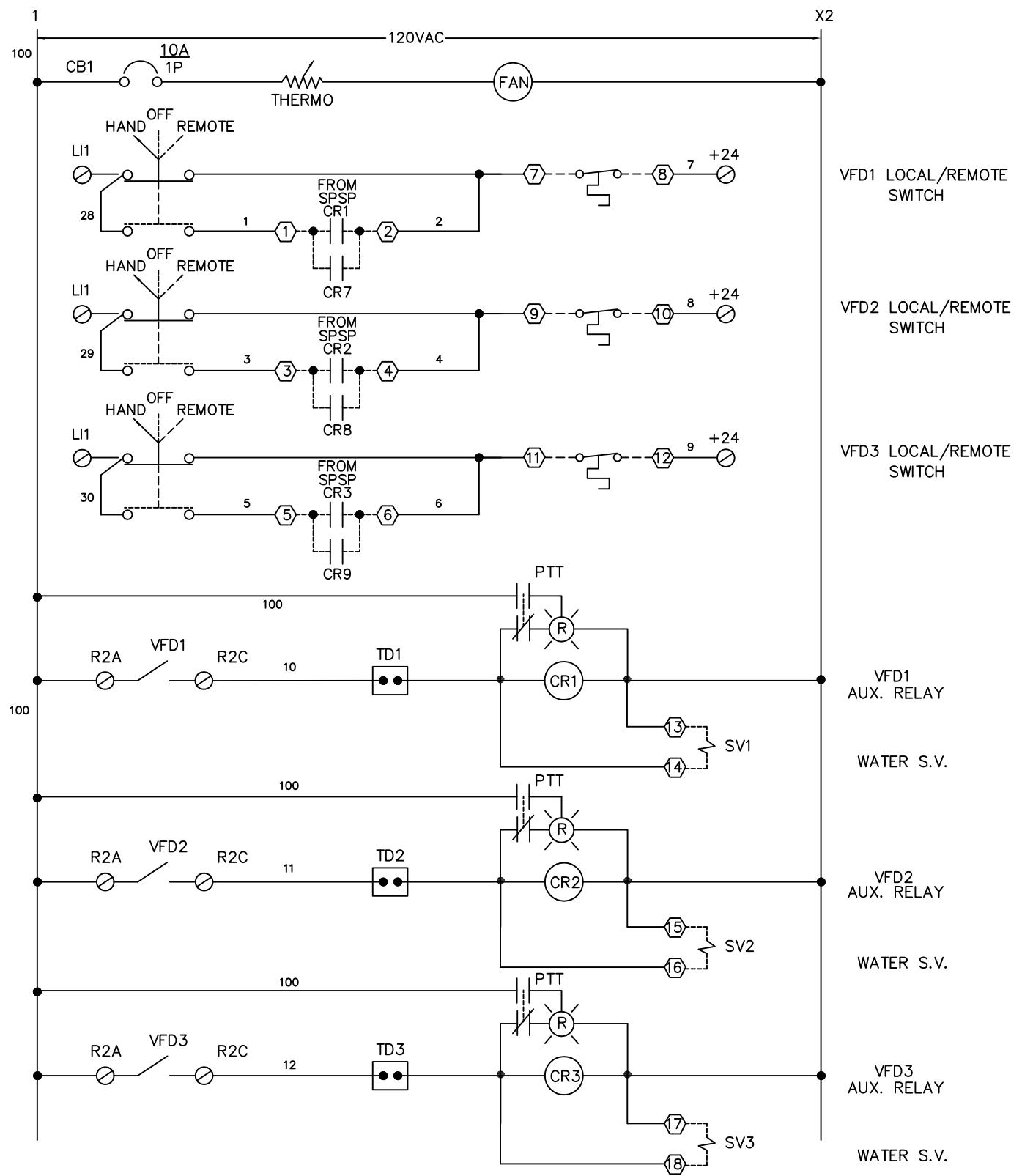
SOLD TO: Parson & Sanderson  
TAG : Lake Charles WWTP  
Sludge Pumps Control Panel

SHIP TO: Lake Charles WWTP Plant D

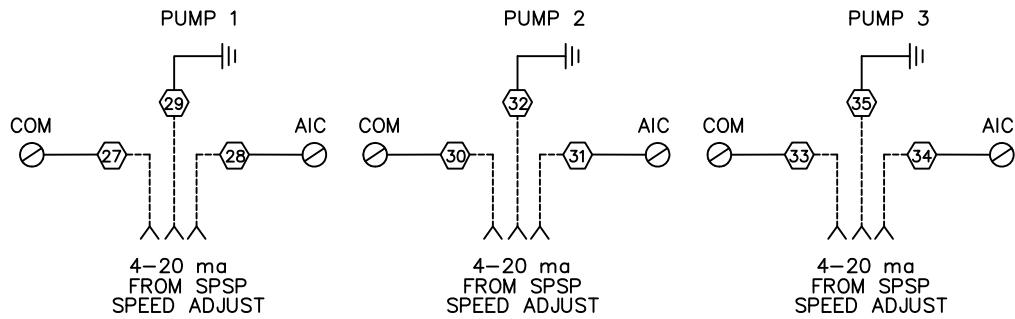
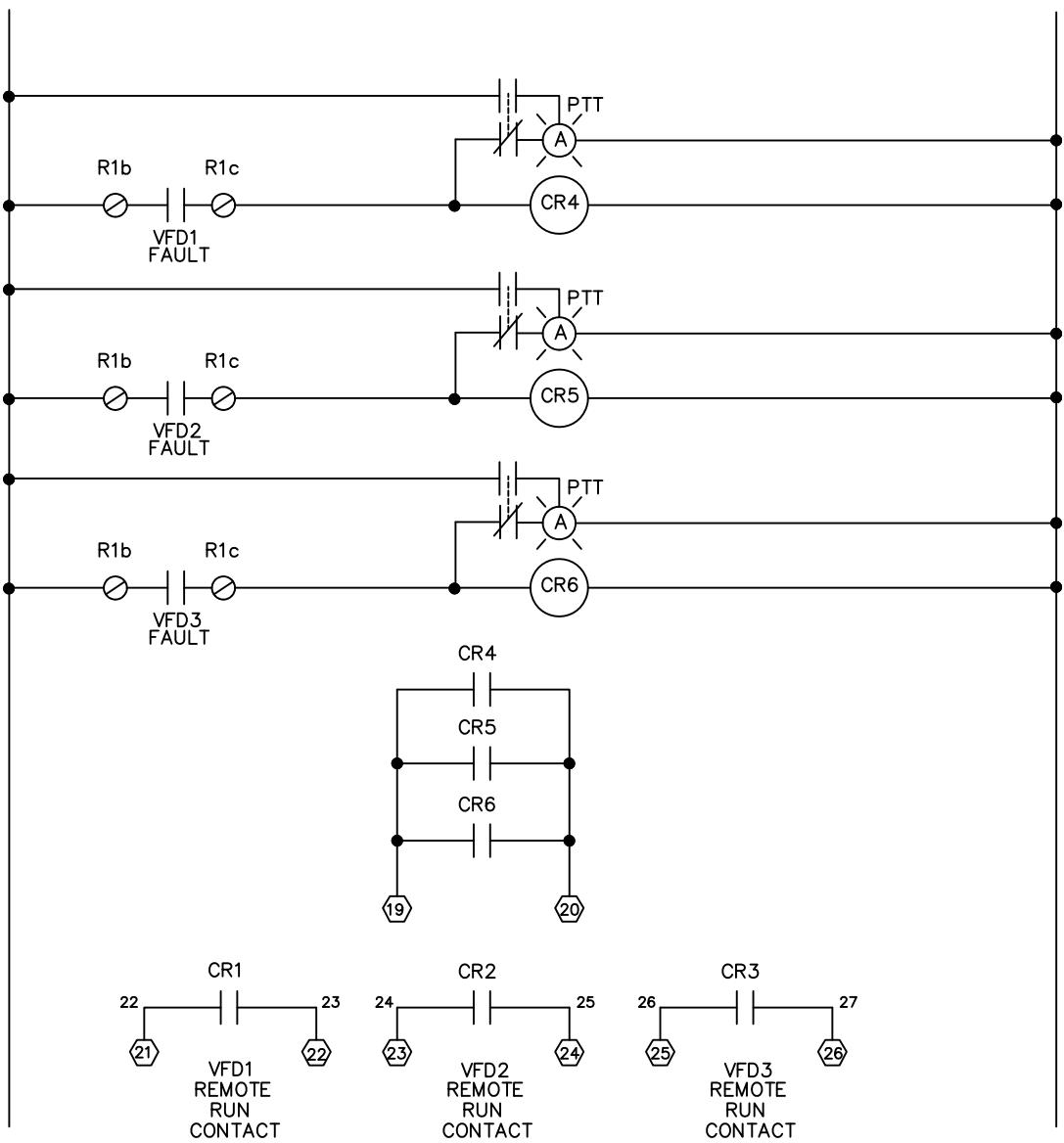
Drawing Title	PANEL DESCRIPTION						PURCHASE ORDER NUMBER	
	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
DATE 02/02/04	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED		BY	DATE
	C.C.		R.C.	BY CTR				
Project Title	<b>PARSON &amp; SANDERSON, INC.</b> P.O. BOX 958 METAIRIE, LA 70004 (504)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



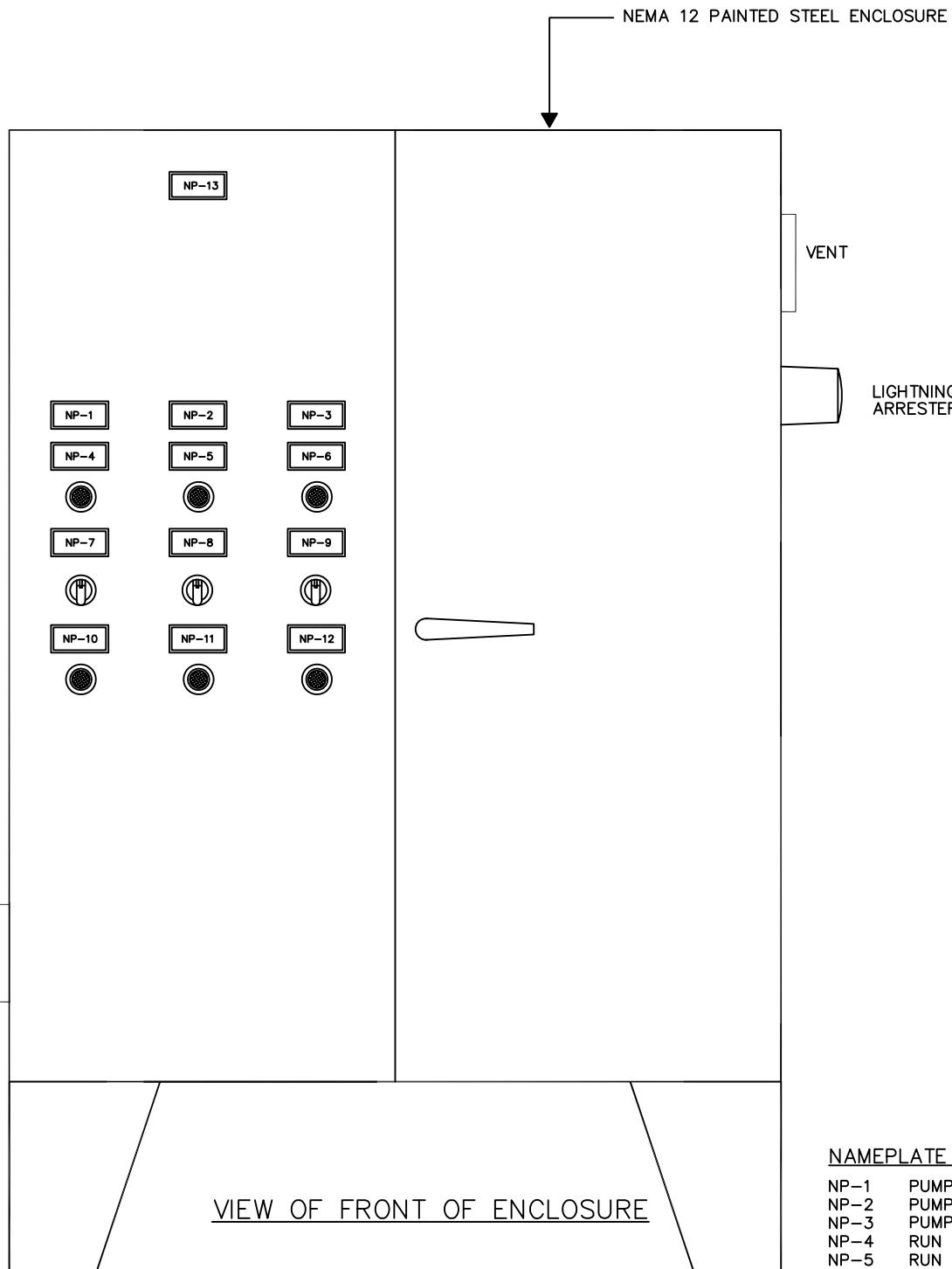
	Drawing Title						
	POWER DIAGRAM						
DATE 02/02/04	REFERENCE DRAWING S/N	DRAWING Sales Engineer C.C.	NO. Application Engineer R.C.	REVISION-LOCATION DRAWN BY CTR	ECN APPROVED BY	DATE APPROVED BY	BY
Project Title	<b>PARSON &amp; SANDERSON, INC.</b> P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348					PURCHASE ORDER NUMBER	
TRIPLEX PUMP CONTROL PANEL						DRAWING NUMBER CP-1737	
						SHEET NUMBER 2	



	Drawing Title					
	CONTROL DIAGRAM					
DATE 02/02/04	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY CTR	DATE APPROVED BY	BY
Project Title	<b>PARSON &amp; SANDERSON, INC.</b> 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 3



	Drawing Title  CONTROL DIAGRAM				
DATE 02/02/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY CTR APPROVED BY DATE
	Project Title  TRIPLEX PUMP CONTROL PANEL	<b>PARSON &amp; SANDERSON, INC.</b> P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348	PURCHASE ORDER NUMBER		
			DRAWING NUMBER CP-1737		
			SHEET NUMBER 4		



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

NOTE:

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

Drawing Title  <b>ENCLOSURE</b>						
	REFERENCE DRAWING S/N	DRAWING Sales Engineer C.C.	NO. Application Engineer R.C.	REVISION-LOCATION DRAWN BY CTR	ECN APPROVED BY	DATE BY
DATE 02/02/04						
Project Title  <b>TRIPLEX PUMP CONTROL PANEL</b>	<b>PARSON &amp; SANDERSON, INC.</b> 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	QU110	CB1
22				
23				
24				
25				

	Drawing Title  BILL OF MATERIALS						
DATE 02/02/04	REFERENCE DRAWING		NO.	REVISION-LOCATION	ECN	DATE	BY
	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED		
	C.C.	R.C.	BY CTR	BY	BY	DATE	
Project Title  TRIPLEX PUMP CONTROL PANEL	<b>PARSON &amp; SANDERSON, INC.</b> P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348					PURCHASE ORDER NUMBER	
						DRAWING NUMBER CP-1737	
						SHEET NUMBER 6	