

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	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 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		

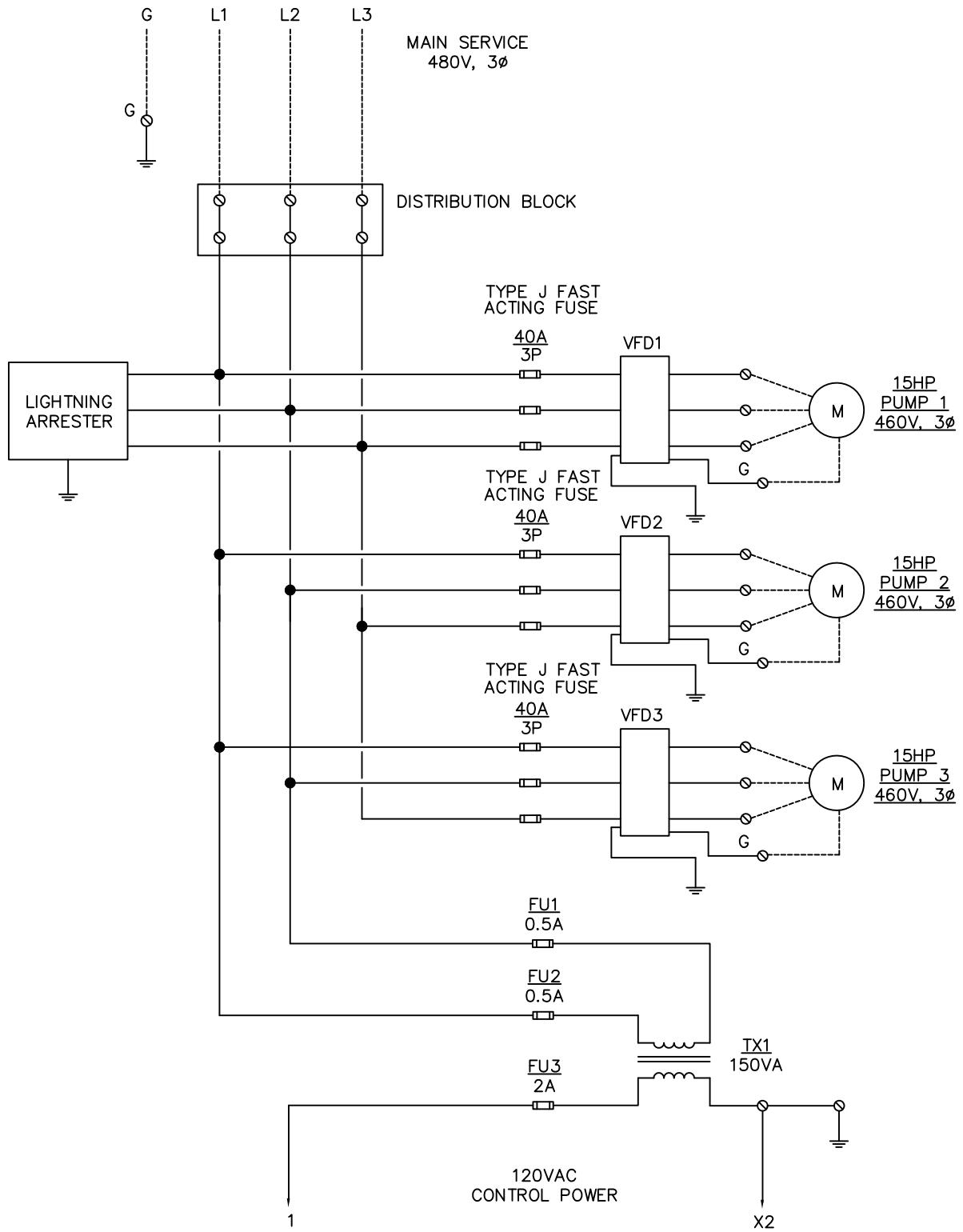
OPTIONS:

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		

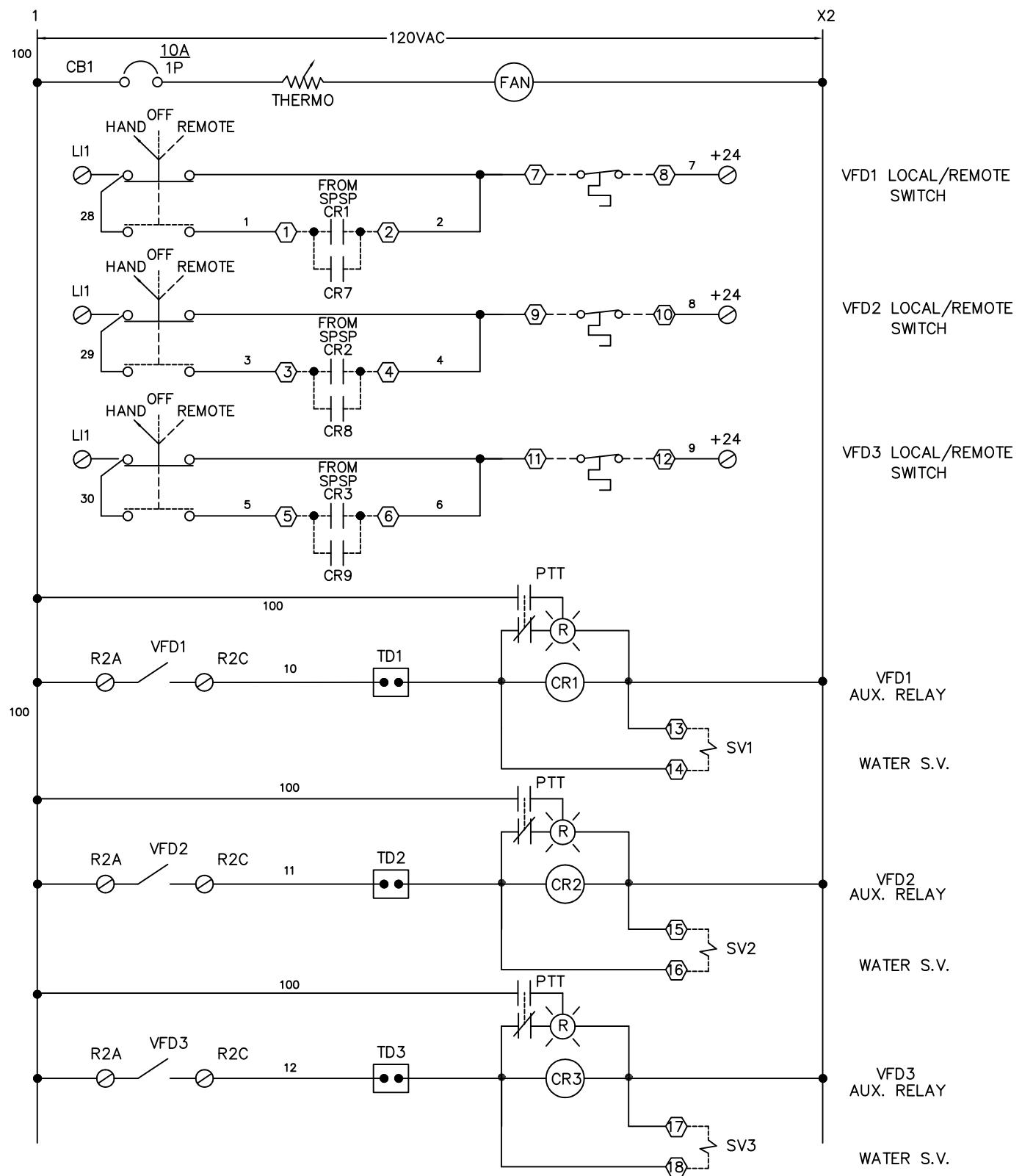
SOLD TO: Parson & Sanderson  
TAG : Lake Charles WWTP  
Sludge Pumps Control Panel

SHIP TO: Lake Charles WWTP Plant D

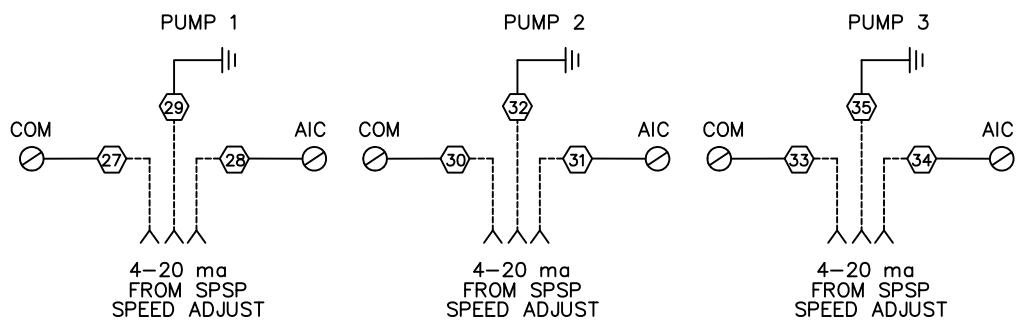
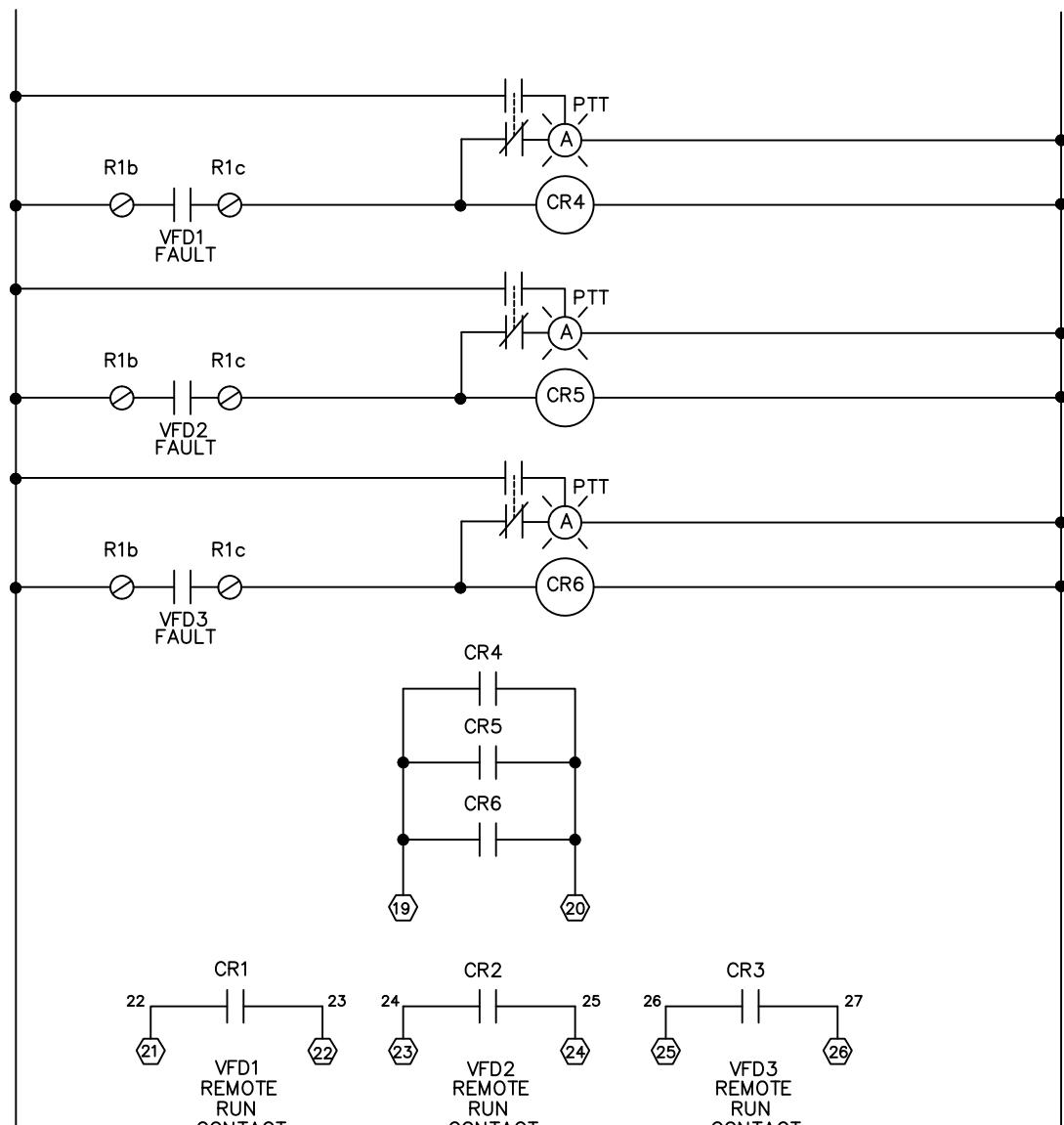
Drawing Title	PANEL DESCRIPTION	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
		S/N	Sales Engineer	Application Engineer	DRAWN	BY CTR	BY	APPROVED	DATE
DATE 02/02/04	Project Title  TRIPLEX PUMP CONTROL PANEL	PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348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



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

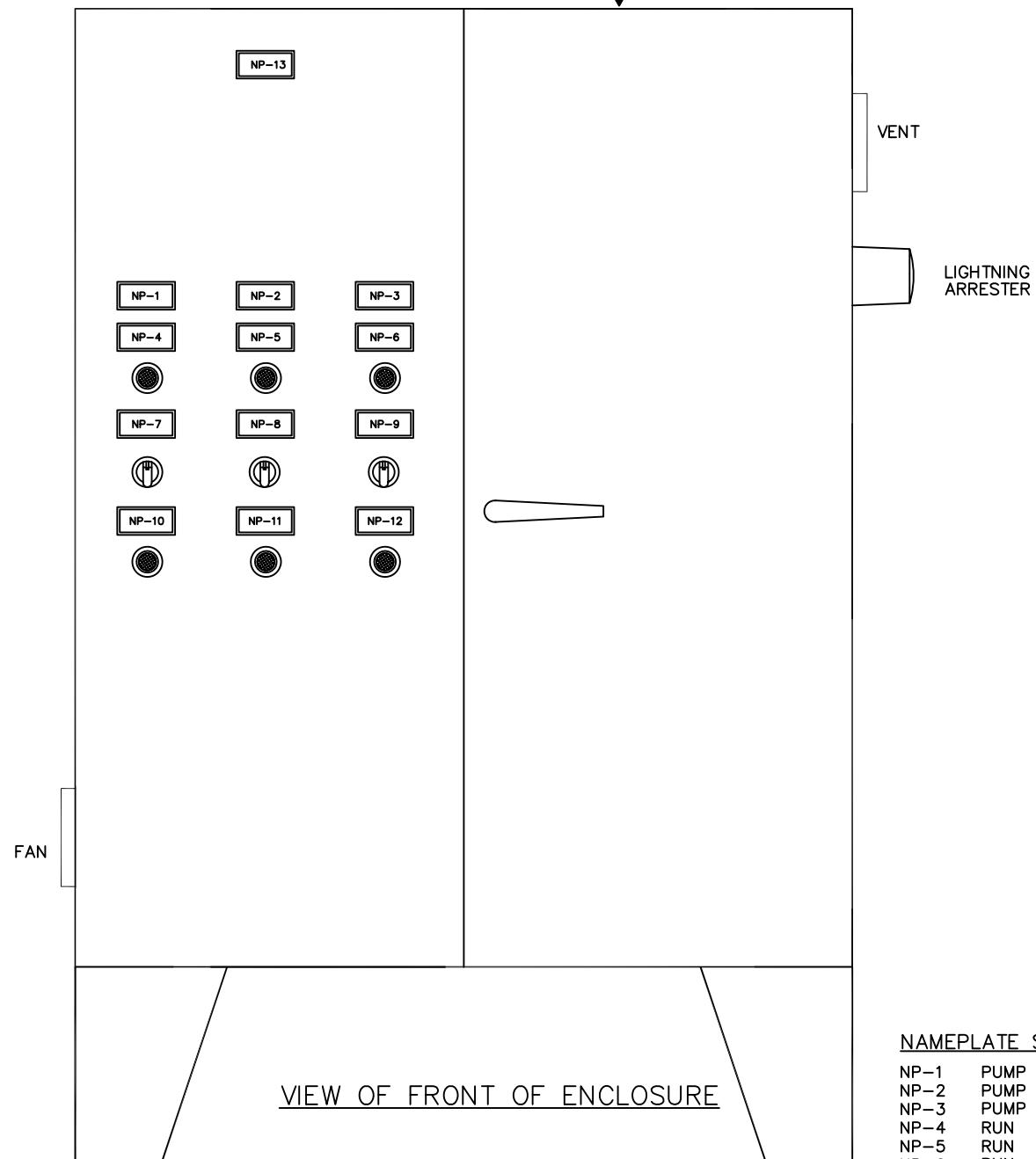


	Drawing Title  CONTROL DIAGRAM				
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN
DATE 02/02/04		S/N	Sales Engineer	DRAWN	DATE APPROVED
		C.C.	Application Engineer	BY CTR	BY DATE
	Project Title  TRIPLEX PUMP CONTROL PANEL	PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504)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



	Drawing Title  CONTROL DIAGRAM				
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN
DATE 02/02/04		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-1737
				SHEET NUMBER	4

NEMA 12 PAINTED STEEL ENCLOSURE



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

	Drawing Title  <b>ENCLOSURE</b>						
		REFERENCE DRAWING	NO.	REVISION-LOCATION		ECN	DATE BY
		S/N	Sales Engineer	Application Engineer	DRAWN BY CTR	APPROVED BY DATE	
DATE 02/02/04		C.C.	R.C.				
	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	QOU110	CB1
22				
23				
24				
25				

	Drawing Title								
	BILL OF MATERIALS								
			REFERENCE DRAWING		NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 02/02/04			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-1737		
							SHEET NUMBER 6		

## FACTORY SETTINGS

VFD:    bFr = 60.0

     LSP = 16.0

     ItH = 21.0

     r2 = SrA

TO SET OVERLOAD FROM rdः:    PRESS   
SET–  
PRESS 

FACTORY SETTING:    ACC   
21.0 AMPS  
PRESS  4 TIMES

ItH  
PRESS   
ADJUST RUN AMPS USING  AND  KEYS  
PRESS   
PRESS  3 TIMES