

PARSON & SANDERSON, INC.

DUPLEX PUMP
CONTROL PANEL
SLUDGE PUMPS

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

CP-1408

VOLTAGE	277/480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
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		

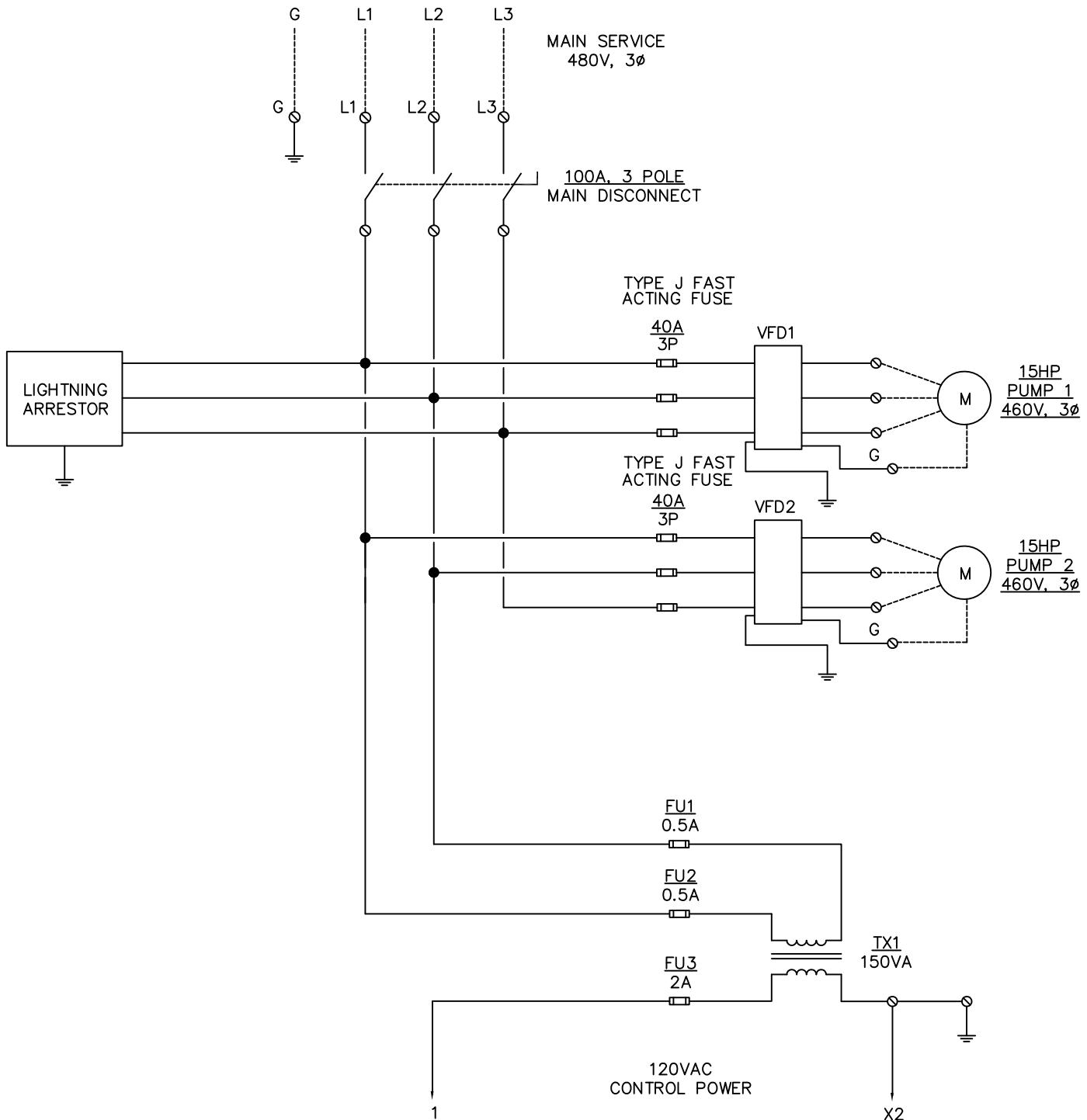
OPTIONS:

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		

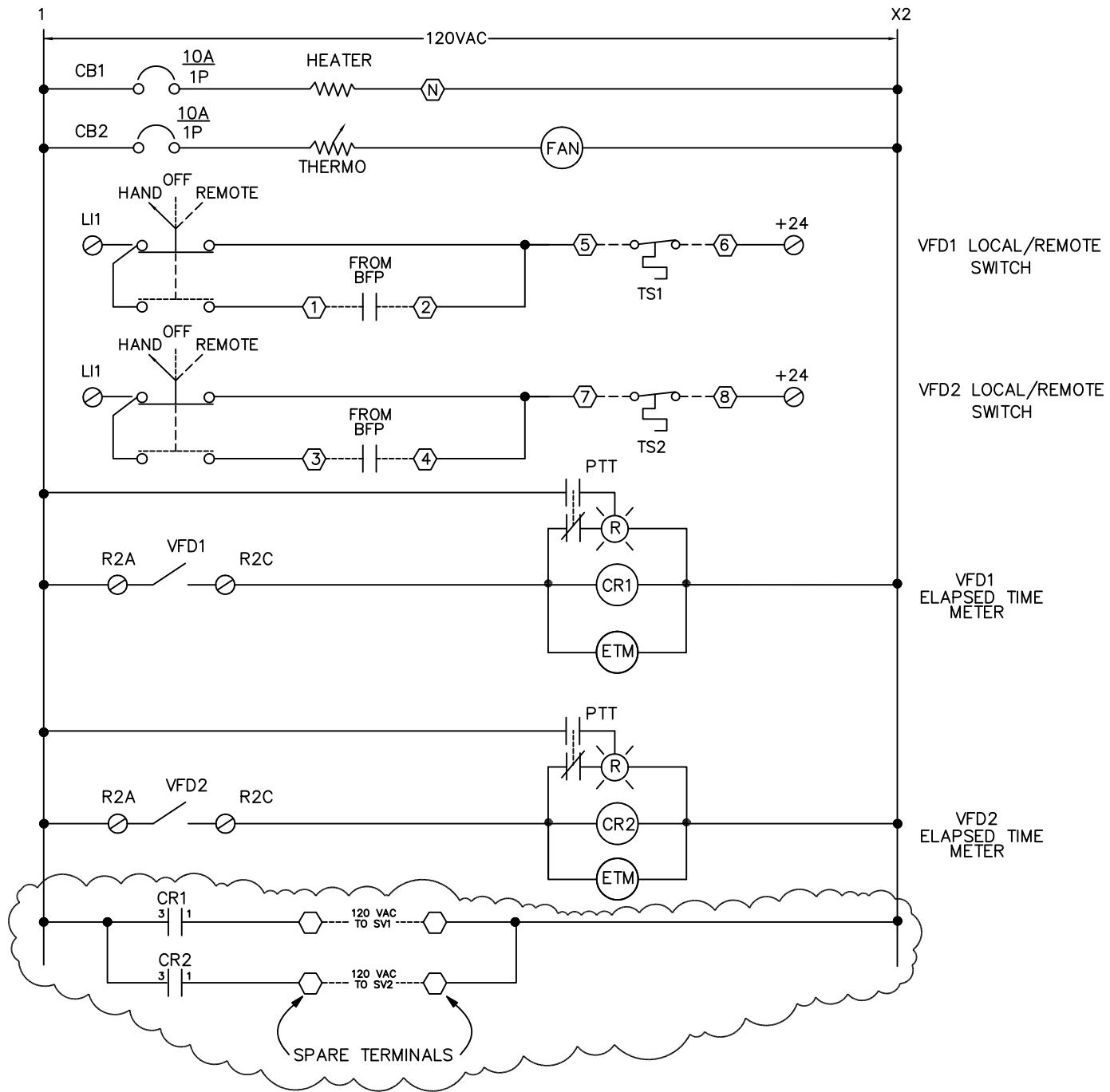
SOLD TO: Parson & Sanderson
TAG : Sulphur WWTP
Sludge Pumps Control Panel

SHIP TO: Sulphur WWTP

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 5/24/02	Project Title DUPLEX 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-1408						
			SHEET NUMBER 1						



	Drawing Title POWER DIAGRAM					
DATE 5/24/02	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY CTR	ECN	DATE APPROVED BY DATE
	Project Title DUPLEX 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-1408
					SHEET NUMBER	2



FACTORY VFD PROGRAMMING

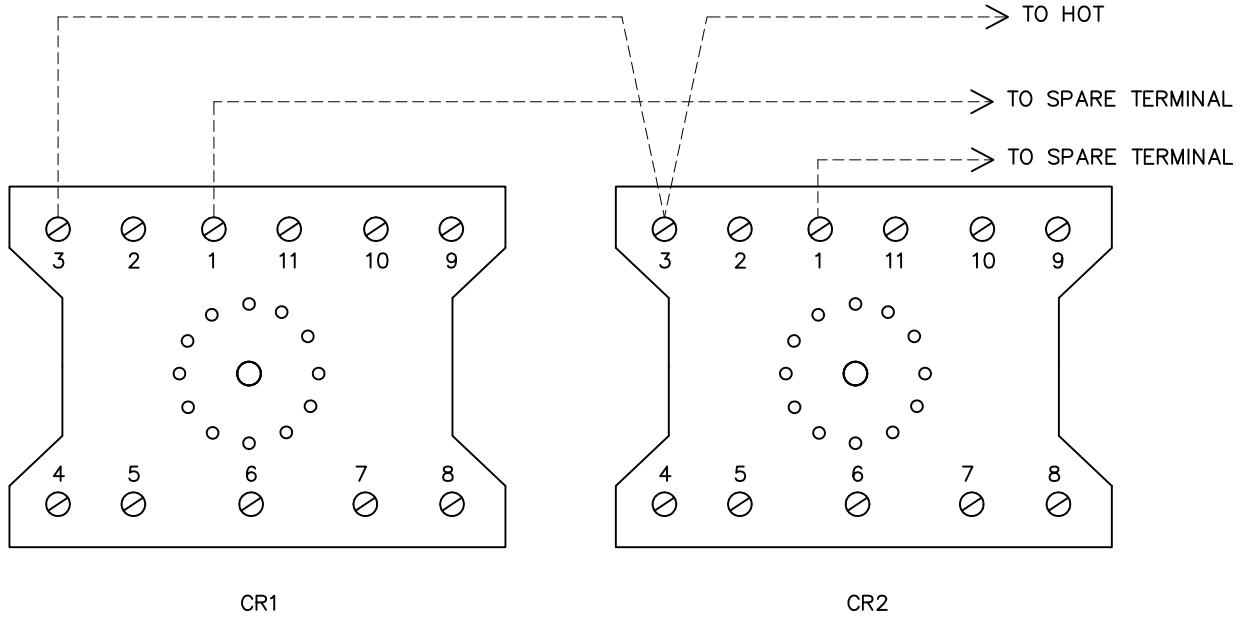
FACTORY DEFAULTS EXCEPT:

bFR = 60HZ

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

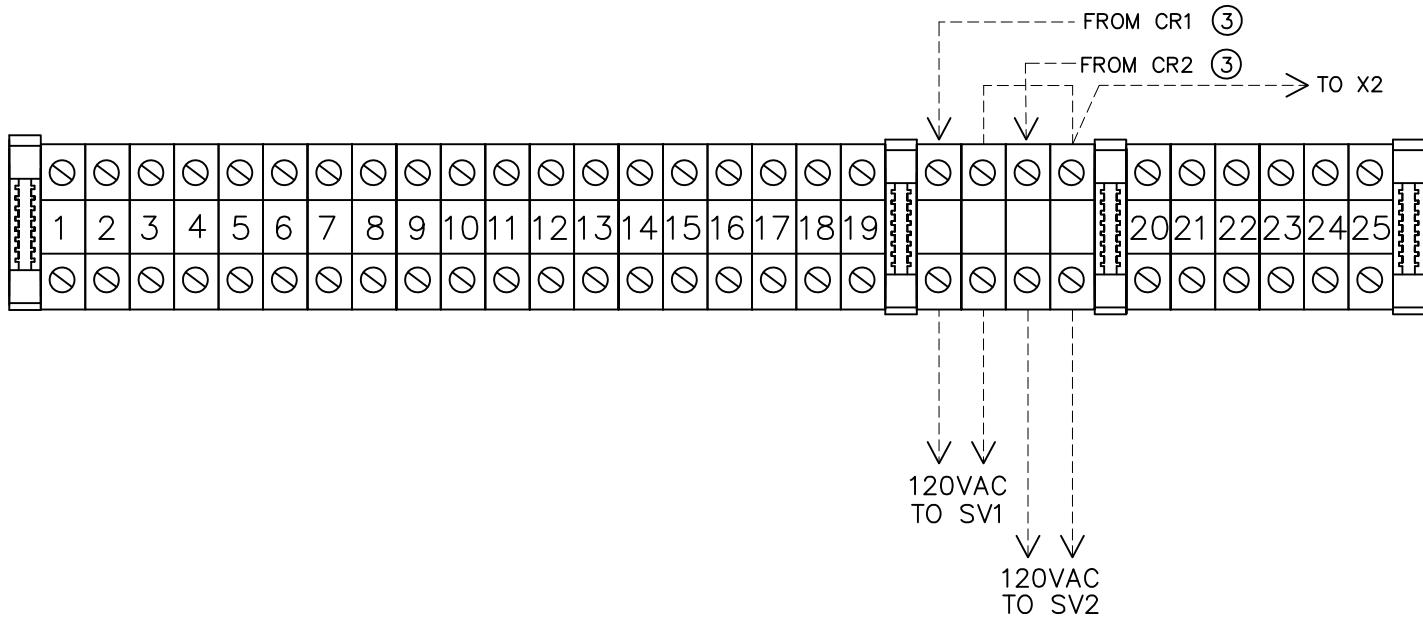
ItH = 17.9 FLA MOTOR AMPS

	Drawing Title CONTROL DIAGRAM					
		REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY CTR	ECN	DATE APPROVED BY DATE
DATE 5/24/02		Sales Engineer	Application Engineer R.C.			
	Project Title DUPLEX 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-1408			
			SHEET NUMBER 3			

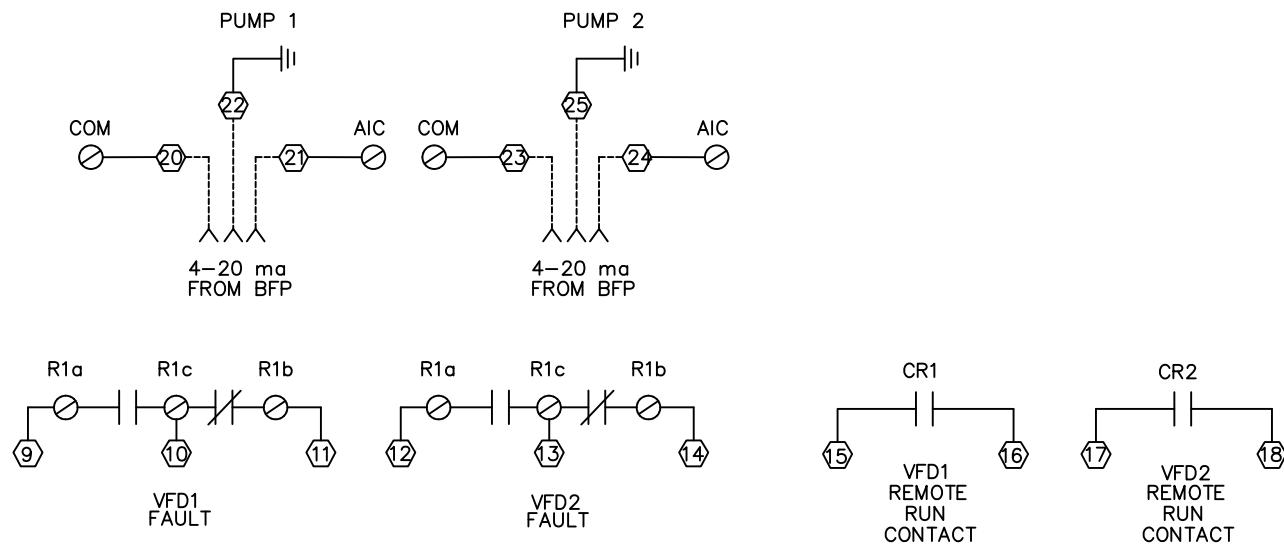


CR1

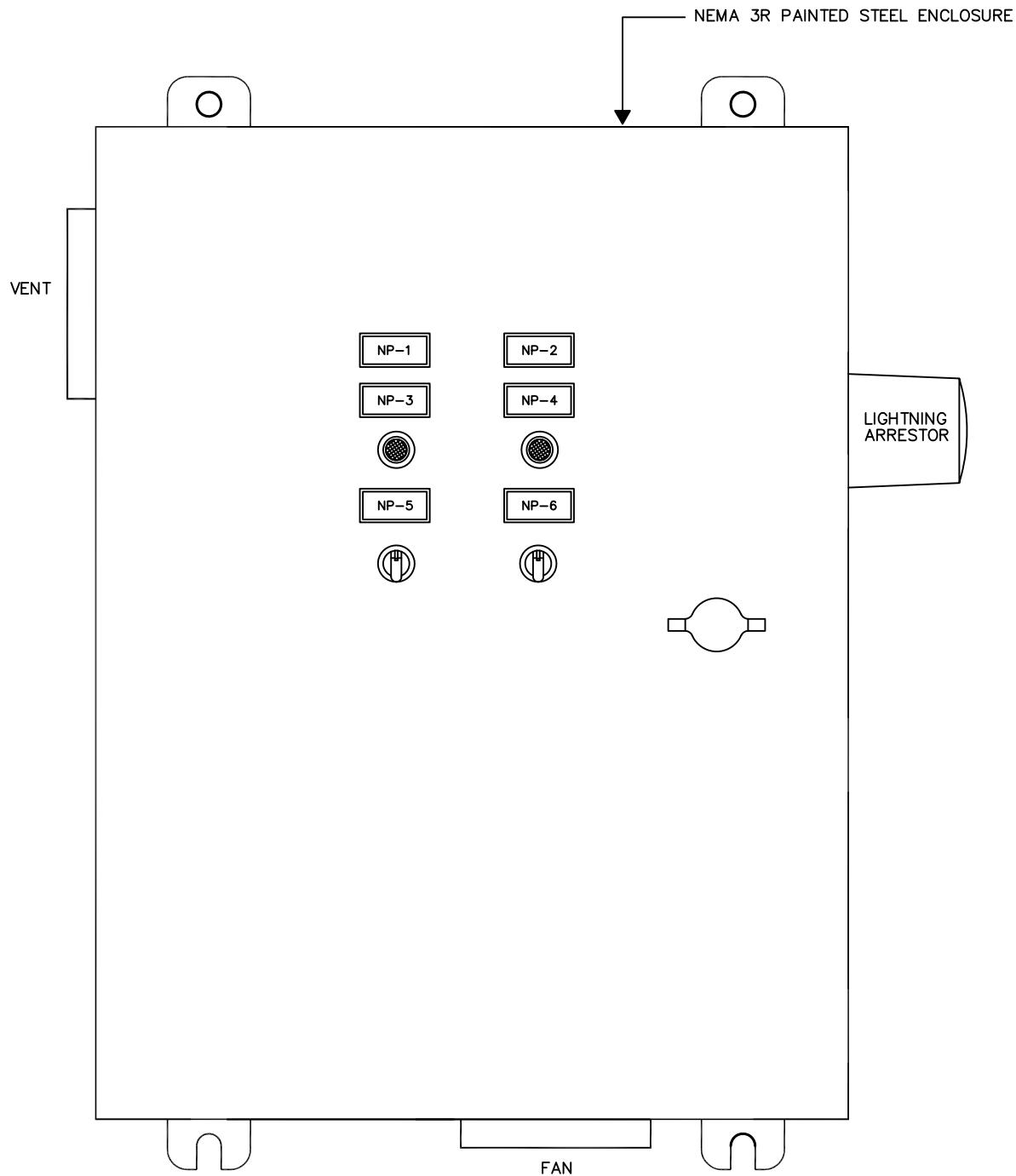
CR2



	Drawing Title WIRING SOLENOID VALVE					
DATE 5/24/02	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY CTR	ECN	DATE APPROVED BY DATE
Project Title DUPLEX 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-1408	
					SHEET NUMBER 4	



	Drawing Title CONTROL DIAGRAM					
DATE 5/24/02	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY CTR	DATE APPROVED BY DATE	BY
	Project Title DUPLEX 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-1408
					SHEET NUMBER	5



VIEW OF FRONT OF ENCLOSURE

NAMEPLATE SCHEDULE

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

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

Drawing Title	REFERENCE DRAWING						ECN	DATE	BY
	S/N	Sales Engineer	Application Engineer	NO.	REVISION-LOCATION	DRAWN			
ENCLOSURE	C.C.		R.C.	BY CTR					
DATE 5/24/02									
Project Title	PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348						PURCHASE ORDER NUMBER		
DUPLEX PUMP CONTROL PANEL							DRAWING NUMBER CP-1408		
							SHEET NUMBER 6		

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	483612REPL	ENCLOSURE
1a	1	EBE	A4836P	BACKPLATE
2	1	ABB	OT100E3	MAIN DISC. SWITCH
3	1	SQUARE D	9070TF150D1	TRANSFORMER
4	1	C-H	CHSA03	LIGHTNING ARRESTER
5	2	REDINGTON	711-0187	ELAPSED TIME METER
6	2	ABB	OS60J12	3P FUSIBLE DISCONNECT
7	2	ABB	OHB4	DIRECT MOUNT HANDLE
8	6	BUSSMAN	JKS-40	40A FAST ACTING
9	2	SQUARE D	ATV-28HD16N4U	VFD 480V 15HP
10	2	A-B	800H-JR2A	HOA SWITCH
11	2	A-B	800H-QRB10R	PTT RED PILOT LIGHT
12	2	OMRON	MK3PN5SAC120	CR 1,2,4
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 5/24/02	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY CTR	DATE APPROVED BY DATE		
	Project Title DUPLEX 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-1408 SHEET NUMBER 7	