

PARSON & SANDERSON, INC.

PANEL ARPCP-1
ANOXIC RECYCLE PUMP
CONTROL PANEL
CITY OF LAKE CHARLES

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

CP-1736

VOLTAGE	277/480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	3	
HP	7 1/2	
FLA	11	
TYPE OF PUMP	Centrifical	
MANUFACTURER		(Self-Priming, Submersible)
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	Potentiometers	(Floats, Bubbler, Other)
CAPACITORS	No	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

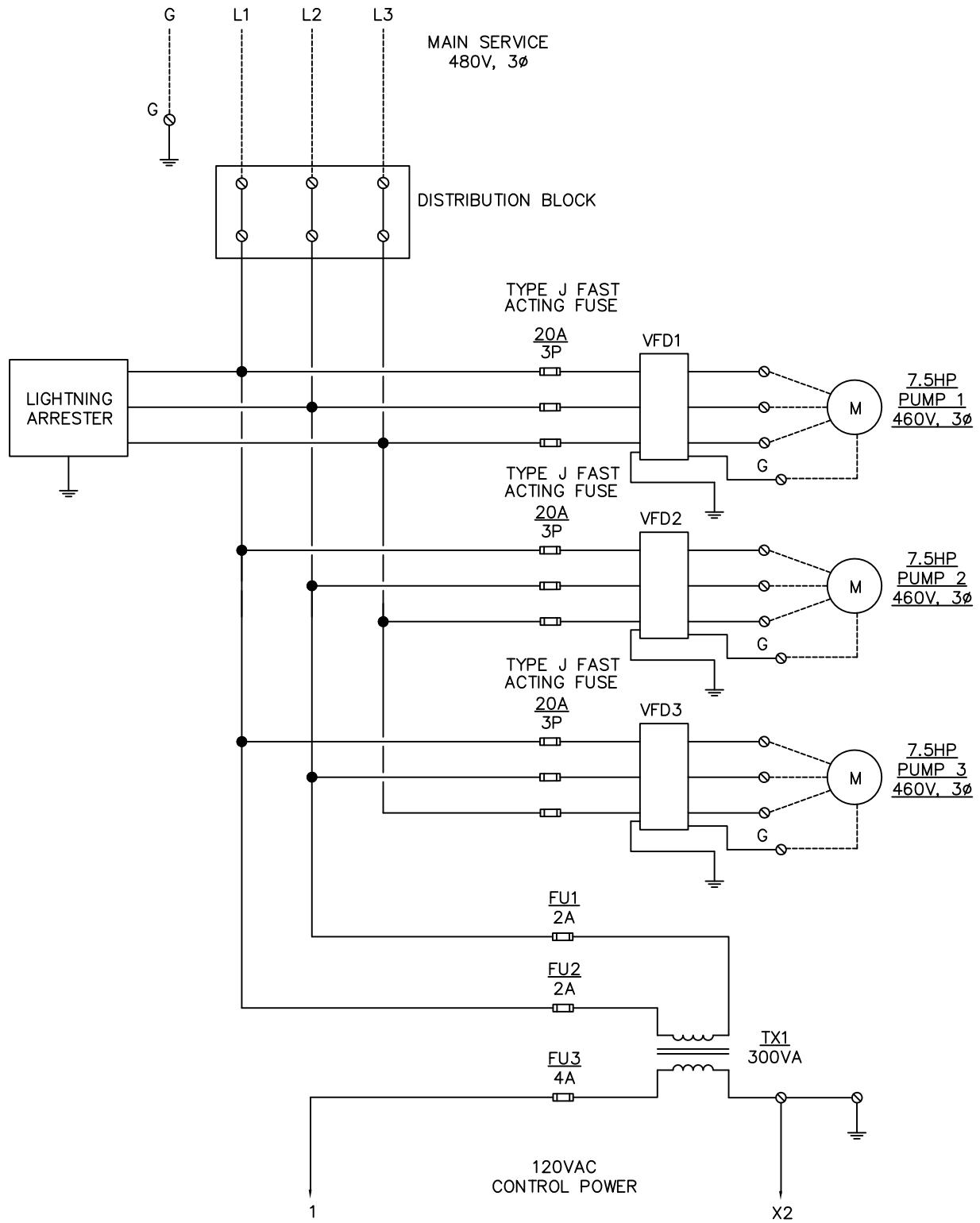
OPTIONS:

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		
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		

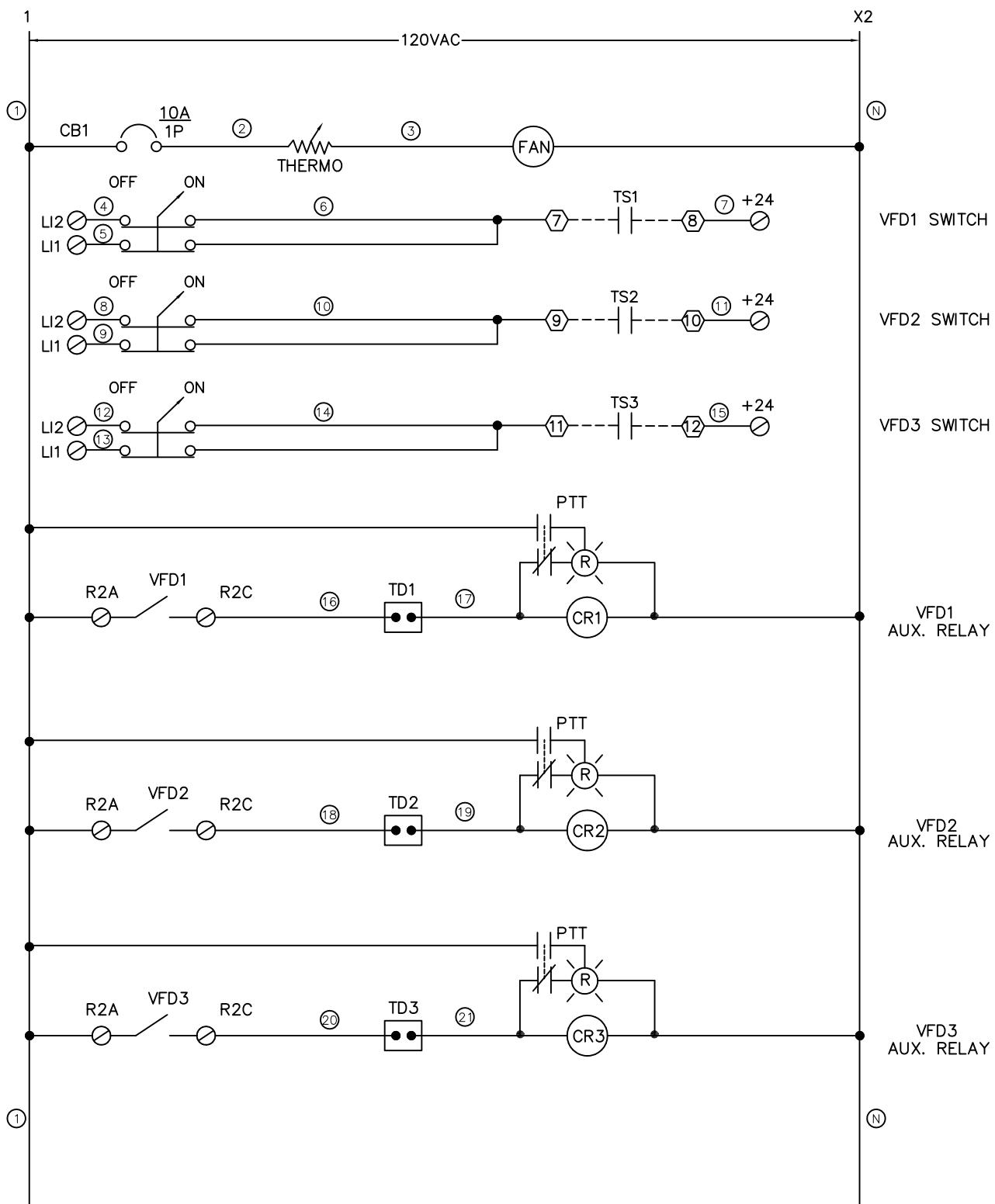
SOLD TO: Parson & Sanderson
 TAG : Lake Charles WWTP
 Anoxic Recycle Pump Control Panel

SHIP TO: Lake Charles WWTP Plant D

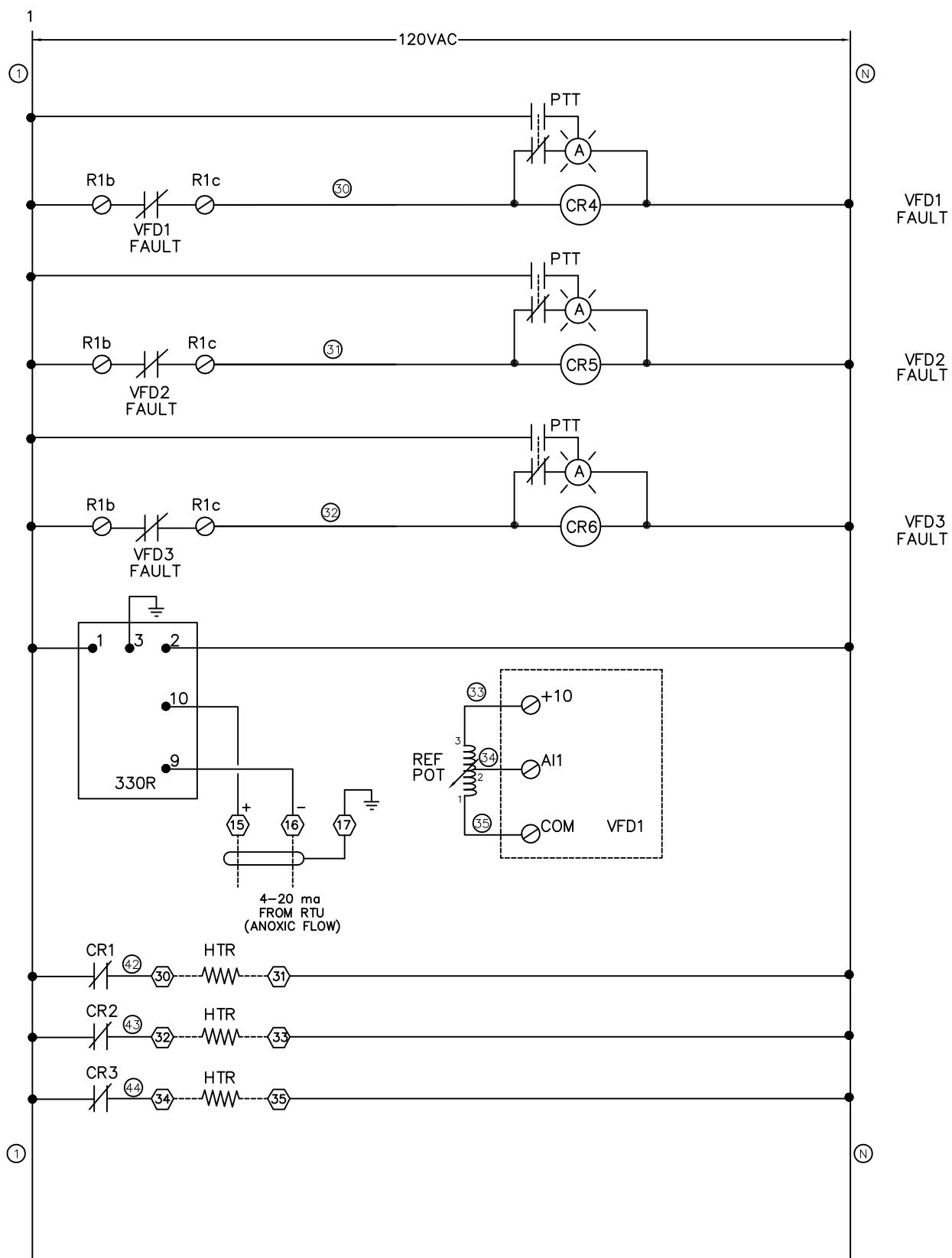
Drawing Title	PANEL DESCRIPTION						ECN	DATE	BY					
	REFERENCE DRAWING		NO.	REVISION-LOCATION										
DATE 2/03/04	S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED								
	C.C.	R.C.	BY CTR			BY	DATE							
Project Title	PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348						PURCHASE ORDER NUMBER							
ANOXIC PUMP CONTROL PANEL							DRAWING NUMBER CP-1736							
							SHEET NUMBER 1							



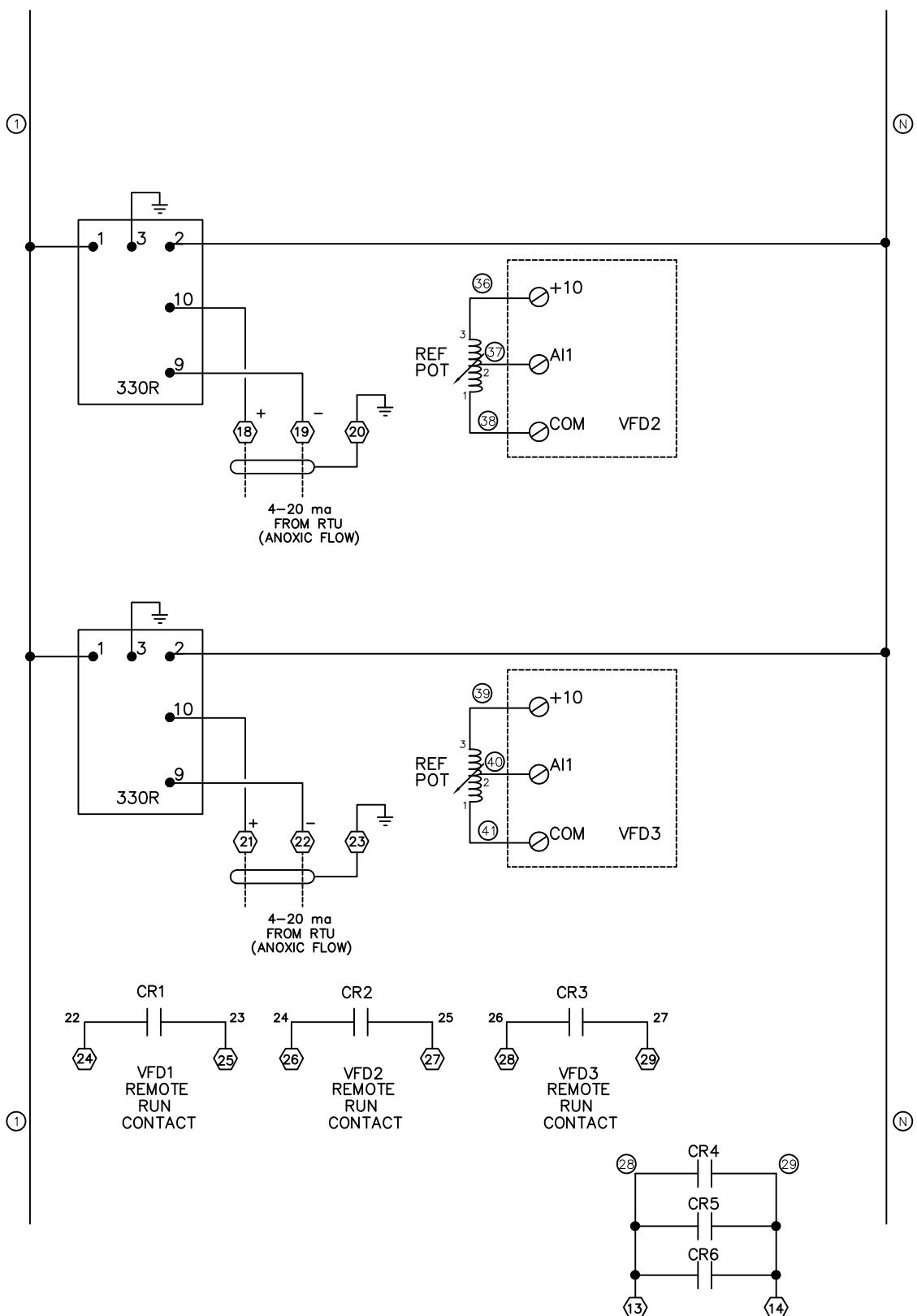
	Drawing Title									
	POWER DIAGRAM									
DATE 02/03/04	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY CTR	ECN	DATE APPROVED BY DATE				
	Project Title		PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348		PURCHASE ORDER NUMBER					
					DRAWING NUMBER CP-1736					
					SHEET NUMBER 2					



	Drawing Title CONTROL DIAGRAM					
DATE 02/03/04	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 ANOXIC 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-1736 SHEET NUMBER 3				

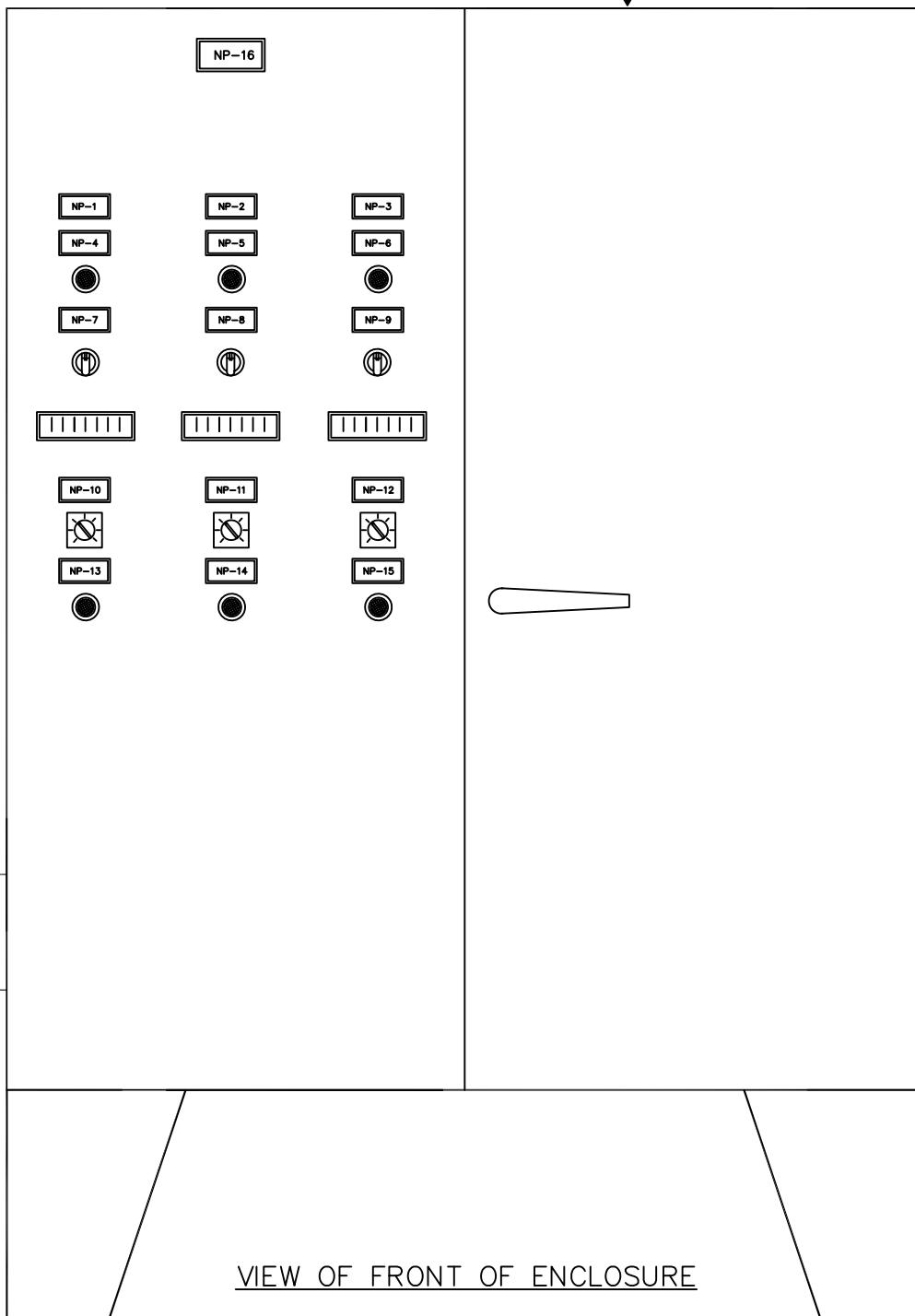


	Drawing Title						
	CONTROL DIAGRAM						
DATE 02/03/04	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY CTR	ECN	DATE APPROVED BY DATE	
Project Title ANOXIC PUMP CONTROL PANEL	PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348				PURCHASE ORDER NUMBER DRAWING NUMBER CP-1736 SHEET NUMBER 4		



	Drawing Title CONTROL DIAGRAM					
DATE 02/03/04		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 ANOXIC 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-1736 SHEET NUMBER 5	

NEMA 12 PAINTED STEEL ENCLOSURE



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 GASES.

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	OFF-ON
NP-8	OFF-ON
NP-9	OFF-ON
NP-10	FLOW ADJUST
NP-11	FLOW ADJUST
NP-12	FLOW ADJUST
NP-13	VFD FAULT
NP-14	VFD FAULT
NP-15	VFD FAULT
NP-16	ANOXIC RECIRCULATION PUMPS CONTROL PANEL ARPCP-1

Drawing Title	ENCLOSURE	REFERENCE DRAWING				NO.	REVISION-LOCATION	ECN	DATE	BY
		S/N	Sales Engineer	Application Engineer	DRAWN					
DATE 02/03/04	Project Title ANOXIC PUMP CONTROL PANEL	C.C.	R.C.	BY CTR	BY	APPROVED	DATE	BY	DATE	
		PARSON & SANDERSON, INC.				PURCHASE ORDER NUMBER				
		P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348				DRAWING NUMBER CP-1736				
		SHEET NUMBER 6								

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	D604812N12/12"LEGS	ENCLOSURE 4'X5'
1a	1	EBE	D6048P	BACKPLATE
2	1	SQUARE D	9070TF300D1	TRANSFORMER
3	1	DELTA	LA603	LIGHTNING ARRESTER
4	3	ABB	OS30AJ12	3P FUSIBLE DISCONNECT
5	3	ABB	OHB5	DIRECT MOUNT HANDLE
6	9	BUSSMAN	JKS-20	20A FAST ACTING
7	3	SQUARE D	ATV-28HU90N4U	VFD 480V 7.5HP
8	3	A-B	800H-JR2A	HOA SWITCH
9	3	A-B	800H-QRT10R	PTT RED PILOT LIGHT
10	6	OMRON	MK3PN5SAC120	CR 1,2,3,4,5,6
11	1	DAYTON	5N471	FAN
12	3	DAYTON	4YD86	GUARD
13	1	DAYTON	4YD83	REPLACEMENT FILTER
14	1	VYNCKIER	VESNO	THERMOSTAT
15	3	DAYTON	2A561	TIME DELAY
16	1	ZERUST		CORROSION INHIBITOR
17	3	MOORE INDUSTRIES	330R0000	FLOW INDICATOR
18	3	A-B	800H-QRT10A	PTT AMBER PILOT LIGHT
19	3	SQUARE D	9001K2108	POTENTIOMETER
20	1	BUSSMAN	16323-3	DISTRIBUTION BLOCK
21	1	BUSSMAN	CPDB-3	DISTRIBUTION BLOCK COVER
22				
23				
24				
25				

FACTORY SETTINGS

VFD: bFr = 60.0

 LSP = 16.0

 ItH = 11.0

 r2 = SrA

330R: AHi1 = 4.000

 ALo = -.999

 AHi2 = 4.000

 ALo2 = -.999

 dP = n.nnn

 PVHi = 3.000

 rLY1 = OFF

TO SET OVERLOAD FROM rdः: PRESS 

SET-

PRESS 

FACTORY SETTING: ACC 

 11.0 AMPS

PRESS  4 TIMES

ItH

PRESS 

ADJUST RUN AMPS USING  AND  KEYS

PRESS 

PRESS  3 TIMES