

**PARSON & SANDERSON, INC.**

PANEL ARPCP-1  
ANOXIC RECYCLE PUMP  
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-1736

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>7 1/2</u>	
FLA	<u>11</u>	
TYPE OF PUMP	<u>Centrifical</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>Potentiometers</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></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>	

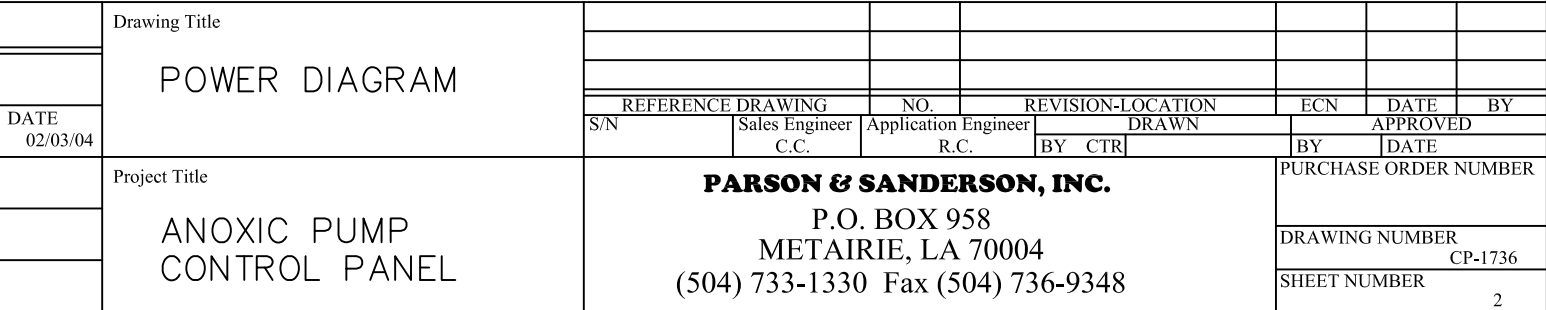
SOLD TO: Parson & Sanderson

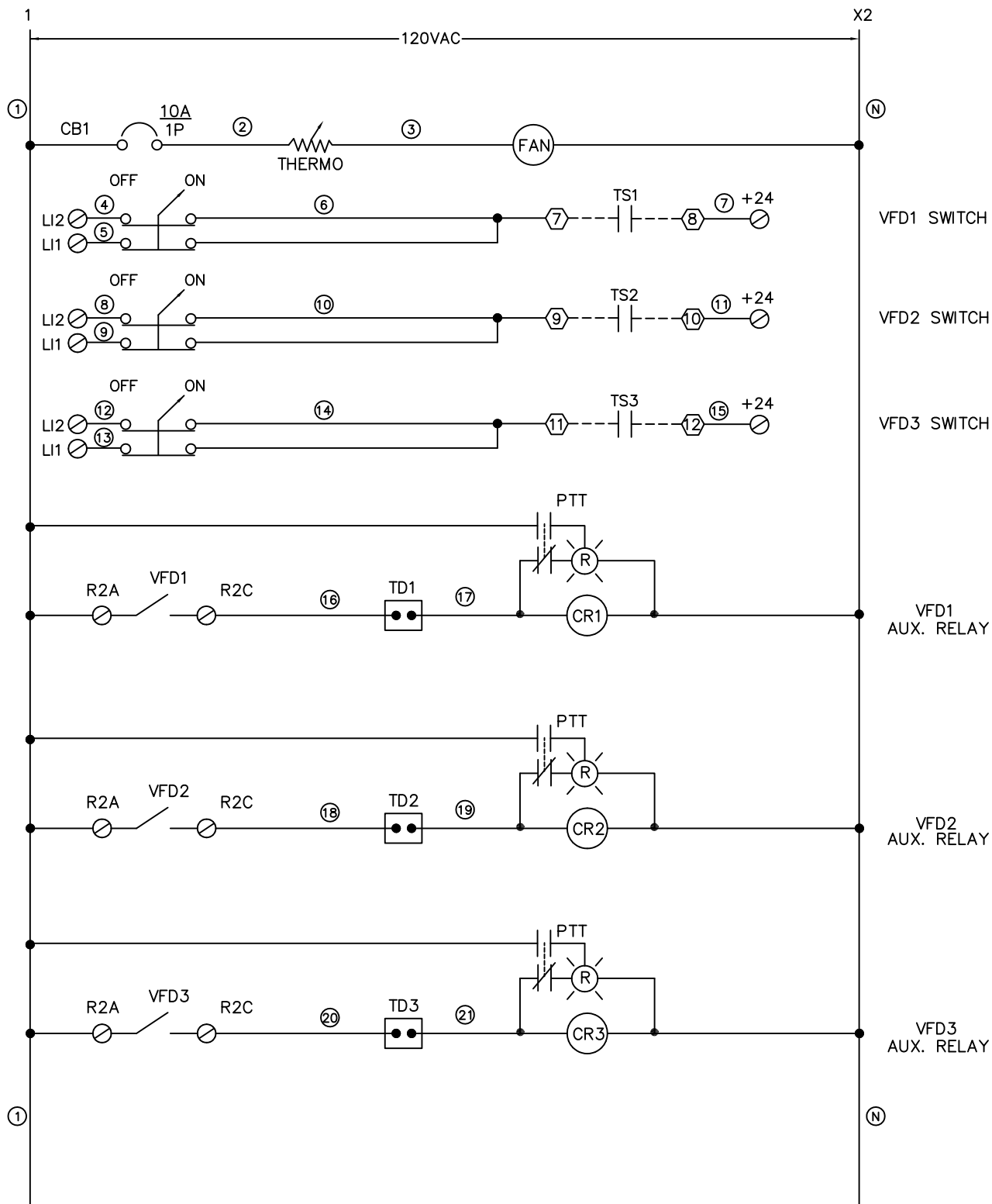
TAG : Lake Charles WWTP

Anoxic Recycle Pump Control Panel

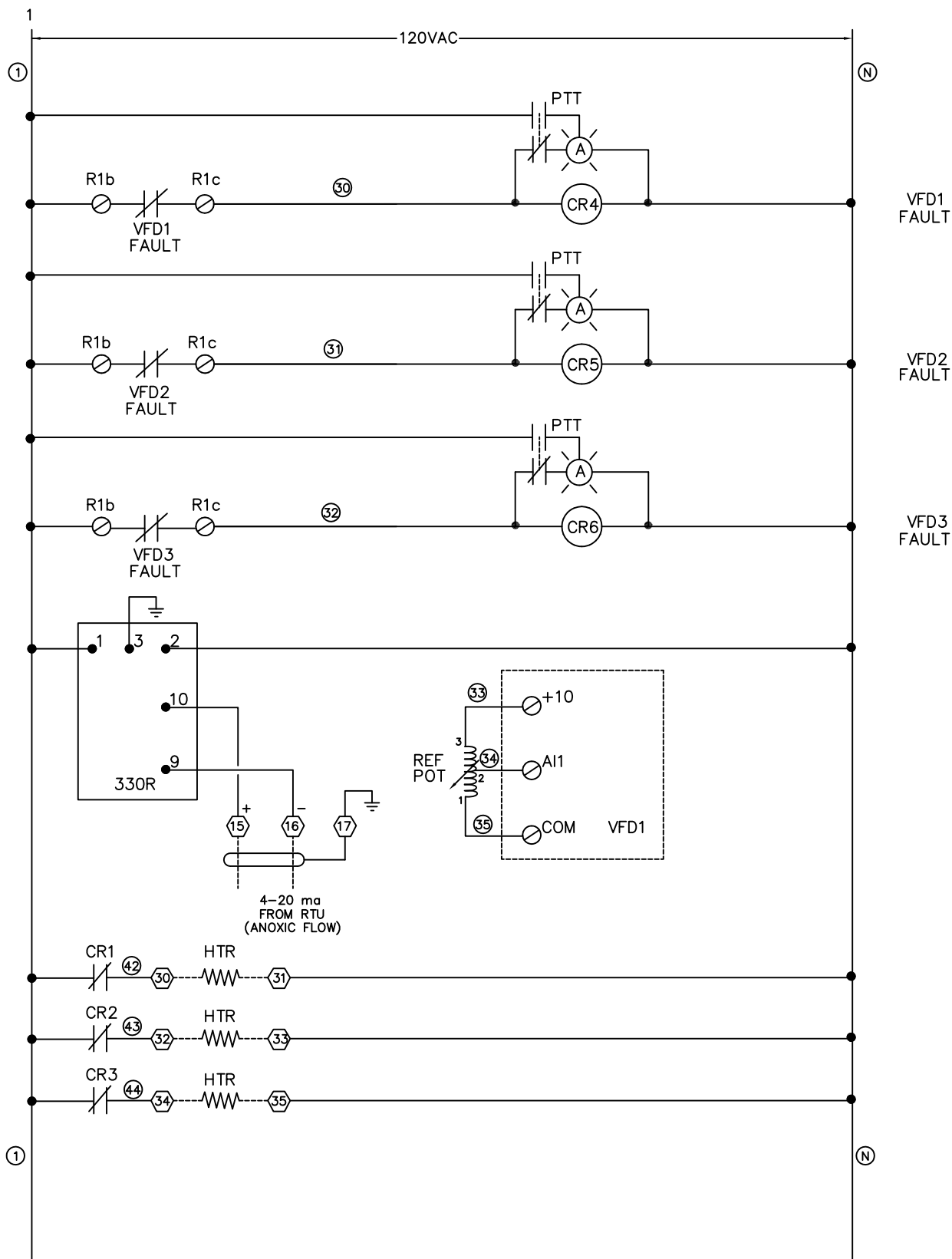
SHIP TO: Lake Charles WWTP Plant D

	Drawing Title							
	PANEL DESCRIPTION							
DATE 2/03/04			REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY CTR	ECN	DATE
	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	
	ANOXIC PUMP CONTROL PANEL						DRAWING NUMBER CP-1736	
							SHEET NUMBER 1	

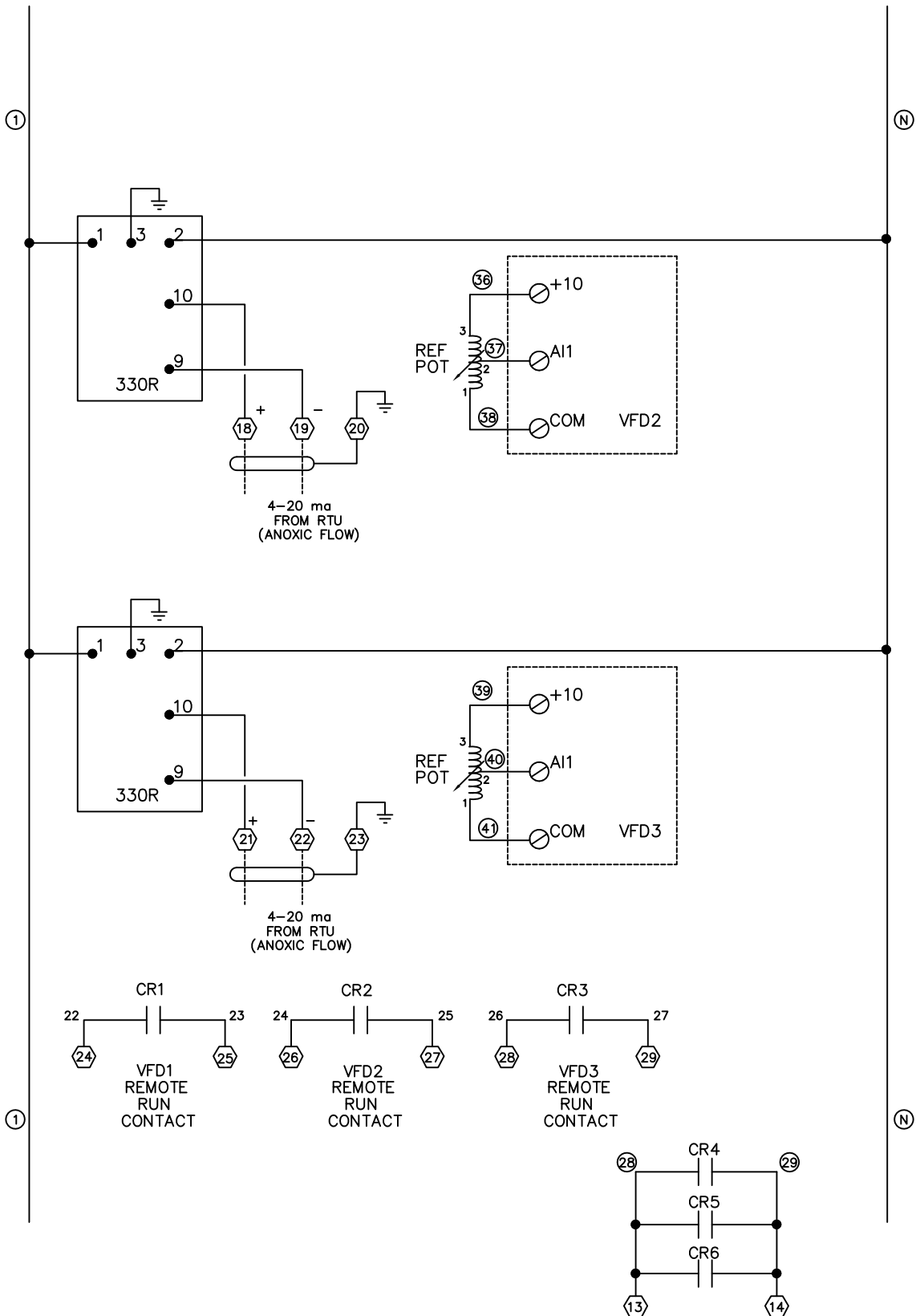




	Drawing Title						
	CONTROL DIAGRAM						
DATE 02/03/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY
	Project Title	<b>PARSON &amp; SANDERSON, INC.</b> P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348				PURCHASE ORDER NUMBER	
	ANOXIC PUMP CONTROL PANEL					DRAWING NUMBER CP-1736	
						SHEET NUMBER 3	



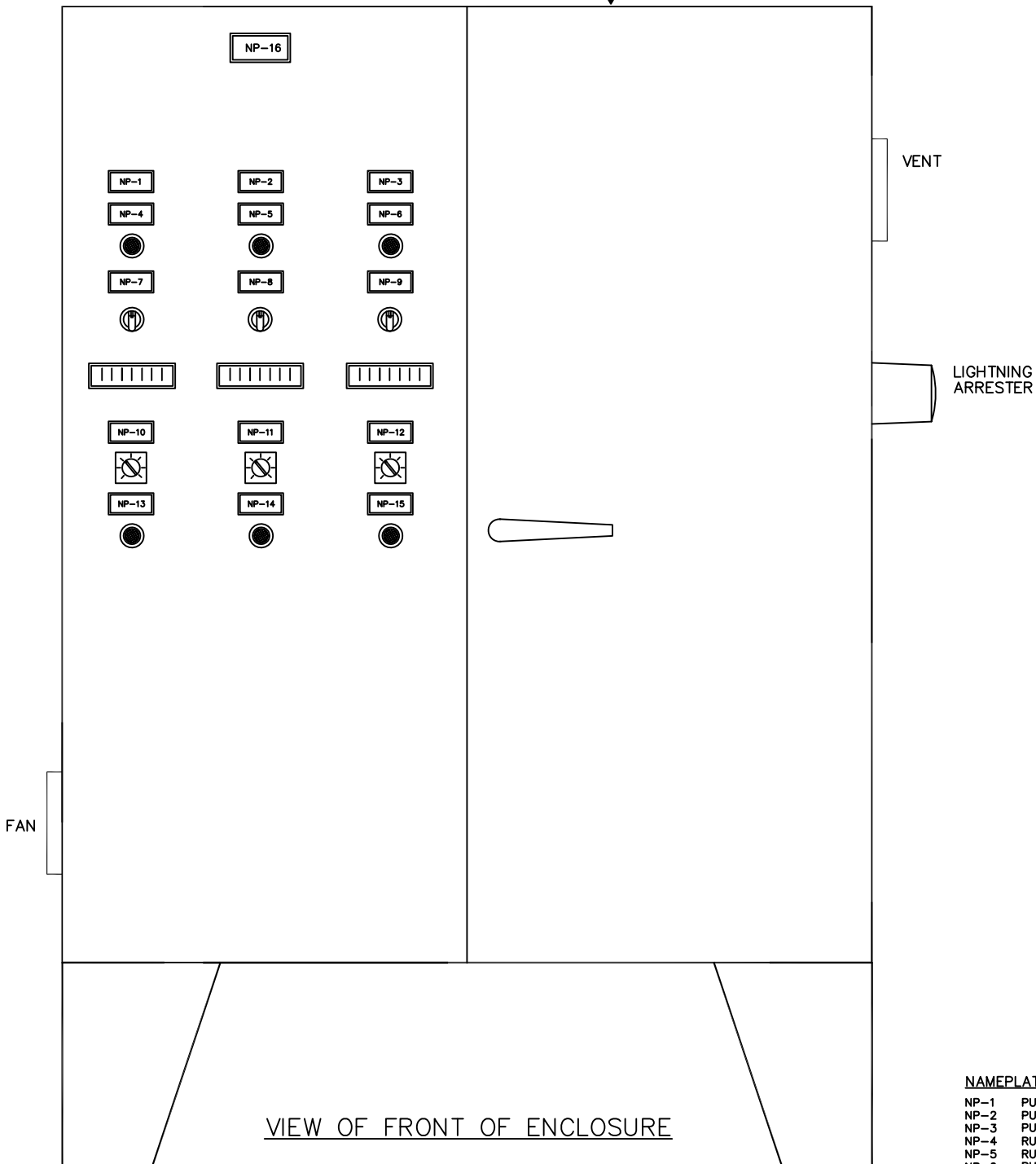
	Drawing Title    CONTROL DIAGRAM							
DATE 02/03/04			REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN
	S/N	Sales Engineer C.C.	Application Engineer R.C.		DRAWN BY CTR		APPROVED BY DATE	
	Project Title  ANOXIC PUMP CONTROL PANEL		<b>PARSON &amp; SANDERSON, INC.</b>  P.O. BOX 958 METAIRIE, LA 70004  (504)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

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NEMA 12 PAINTED STEEL ENCLOSURE



**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	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							
DATE 02/03/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY	
	Project Title	DRAWN BY CTR				APPROVED BY DATE		
	ANOXIC 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-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				

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	ANOXIC PUMP CONTROL PANEL					DRAWING NUMBER CP-1736	
						SHEET NUMBER 7	