

**PARSON & SANDERSON, INC.**

PANEL BRPCP  
BIO 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-1738

VOLTAGE	277/480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	3	
HP	20	
FLA	27	
TYPE OF PUMP	Centrifical	(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	Potentiometers	(Floats, Bubbler, Other)
CAPACITORS	No	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

## OPTIONS:

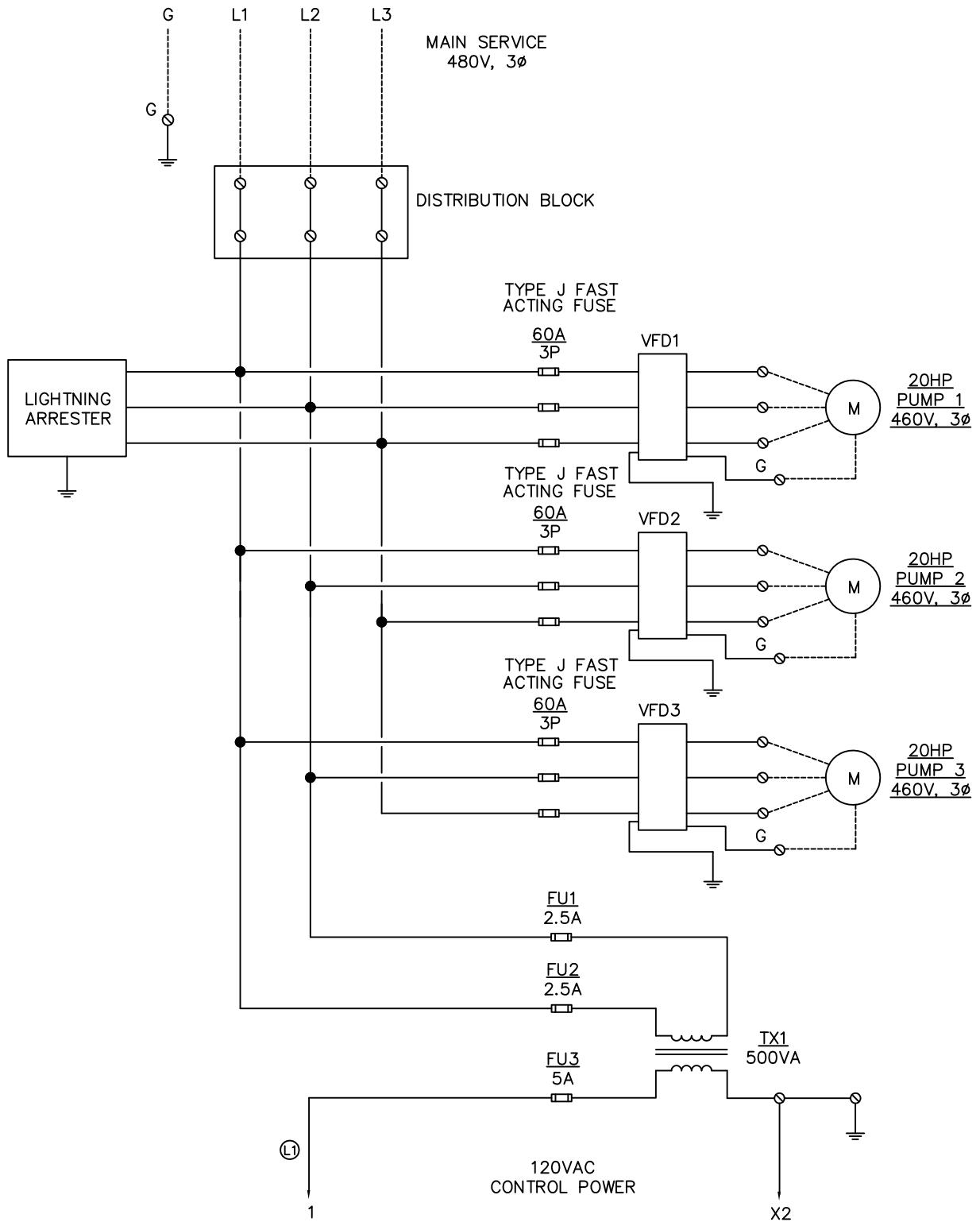
SEAL FAIL LIGHTS		(Submersible Only)
SEAL FAIL RELAYS		(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN		(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT		
LIGHT PANEL MTD		
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER	X	
ELAPSED TIME METER		
PHASE MONITOR	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

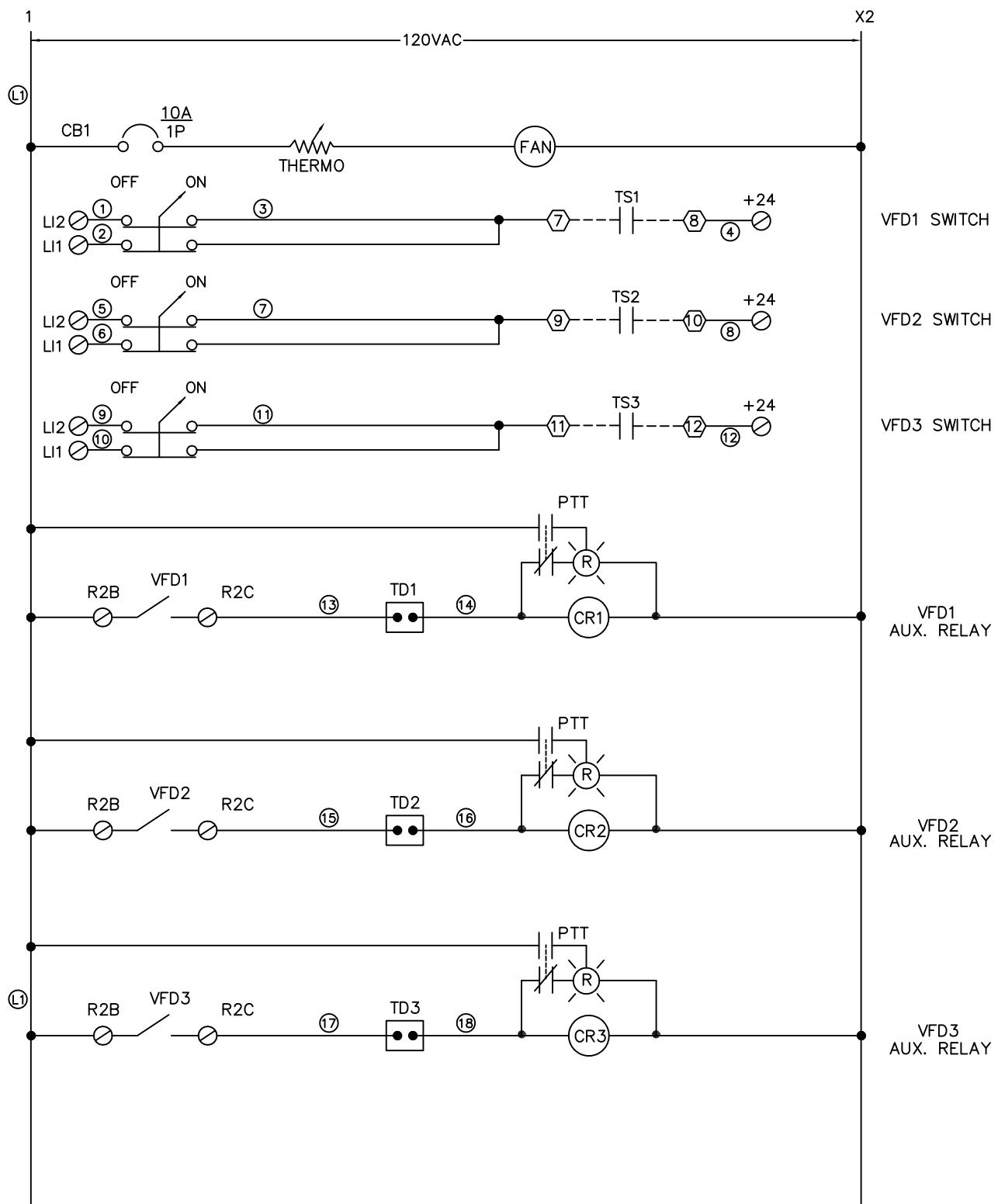
SHIP TO: Lake Charles WWTP Plant D

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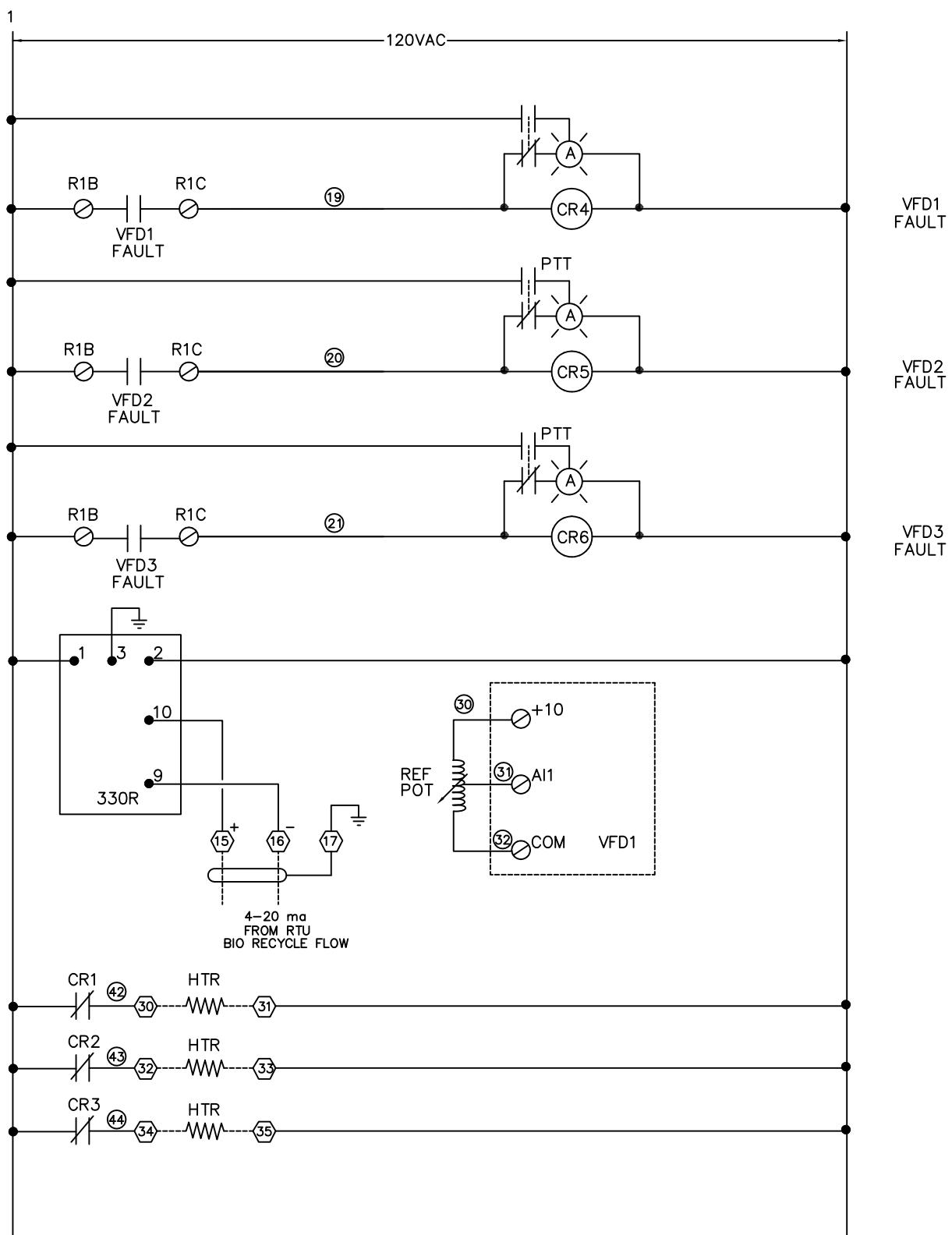
	Drawing Title  <b>PANEL DESCRIPTION</b>  DATE 2/03/04							
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	
S/N	Sales Engineer C.C.	Application Engineer R.C.	BY CTR	DRAWN	APPROVED			
					BY	DATE		
Project Title	<b>PARSON &amp; SANDERSON, INC.</b> P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348				PURCHASE ORDER NUMBER			
BIO RECYCLE PUMP CONTROL PANEL						DRAWING NUMBER CP-1738		
						SHEET NUMBER 1		



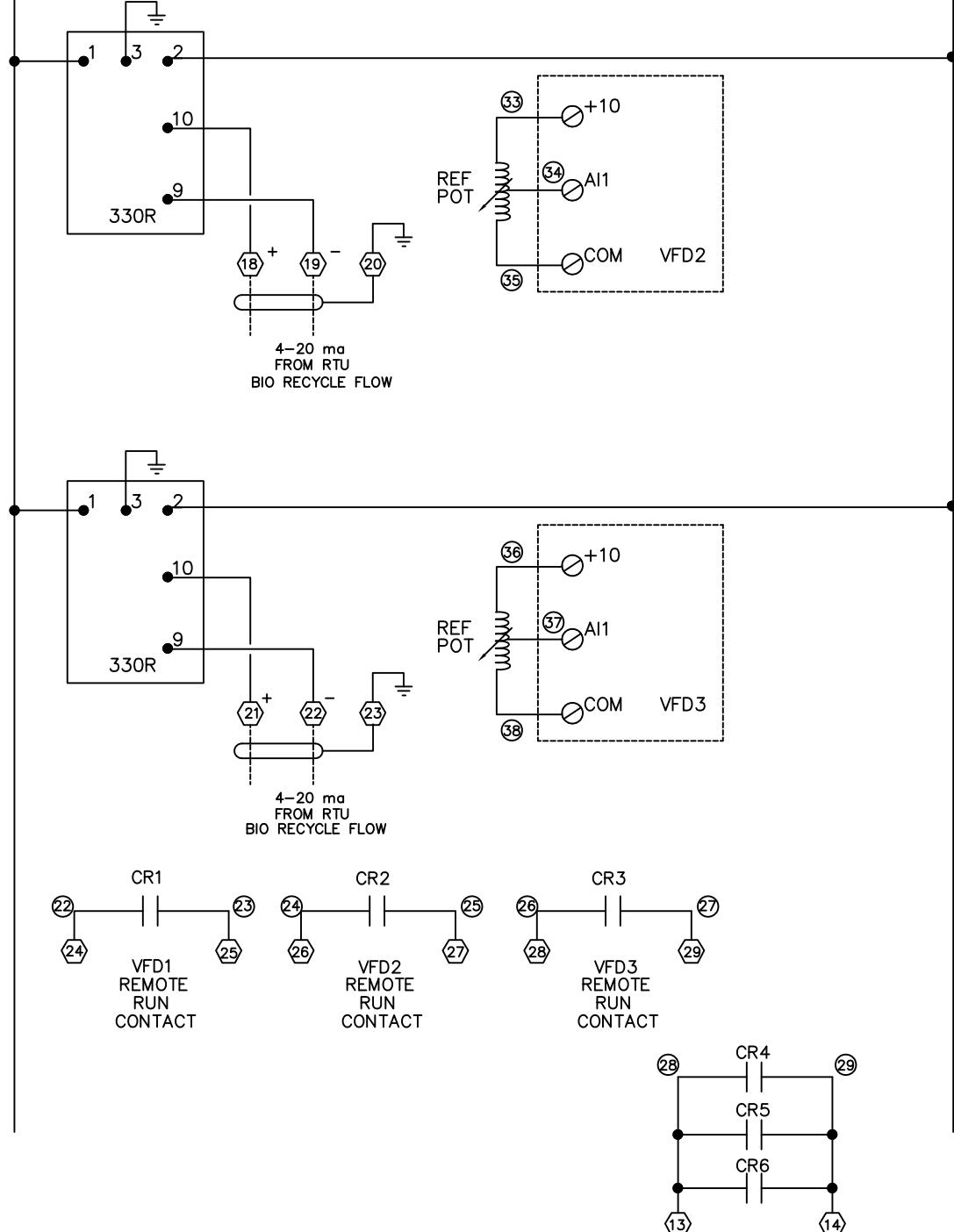
	Drawing Title  POWER DIAGRAM					
DATE 02/03/04	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY CTR	ECN BY	DATE APPROVED BY DATE
Project Title  BIO RECYCLE PUMP CONTROL PANEL	<b>PARSON &amp; SANDERSON, INC.</b> P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348				PURCHASE ORDER NUMBER	
					DRAWING NUMBER	CP-1738
					SHEET NUMBER	2



	Drawing Title					
	CONTROL DIAGRAM					
DATE 02/03/04	REFERENCE DRAWING S/N	NO. Sales Engineer	REVISION-LOCATION Application Engineer	ECN DRAWN	DATE APPROVED	BY
	C.C.	R.C.	BY CTR	BY	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
BIO RECYCLE PUMP CONTROL PANEL						DRAWING NUMBER CP-1738
						SHEET NUMBER 3

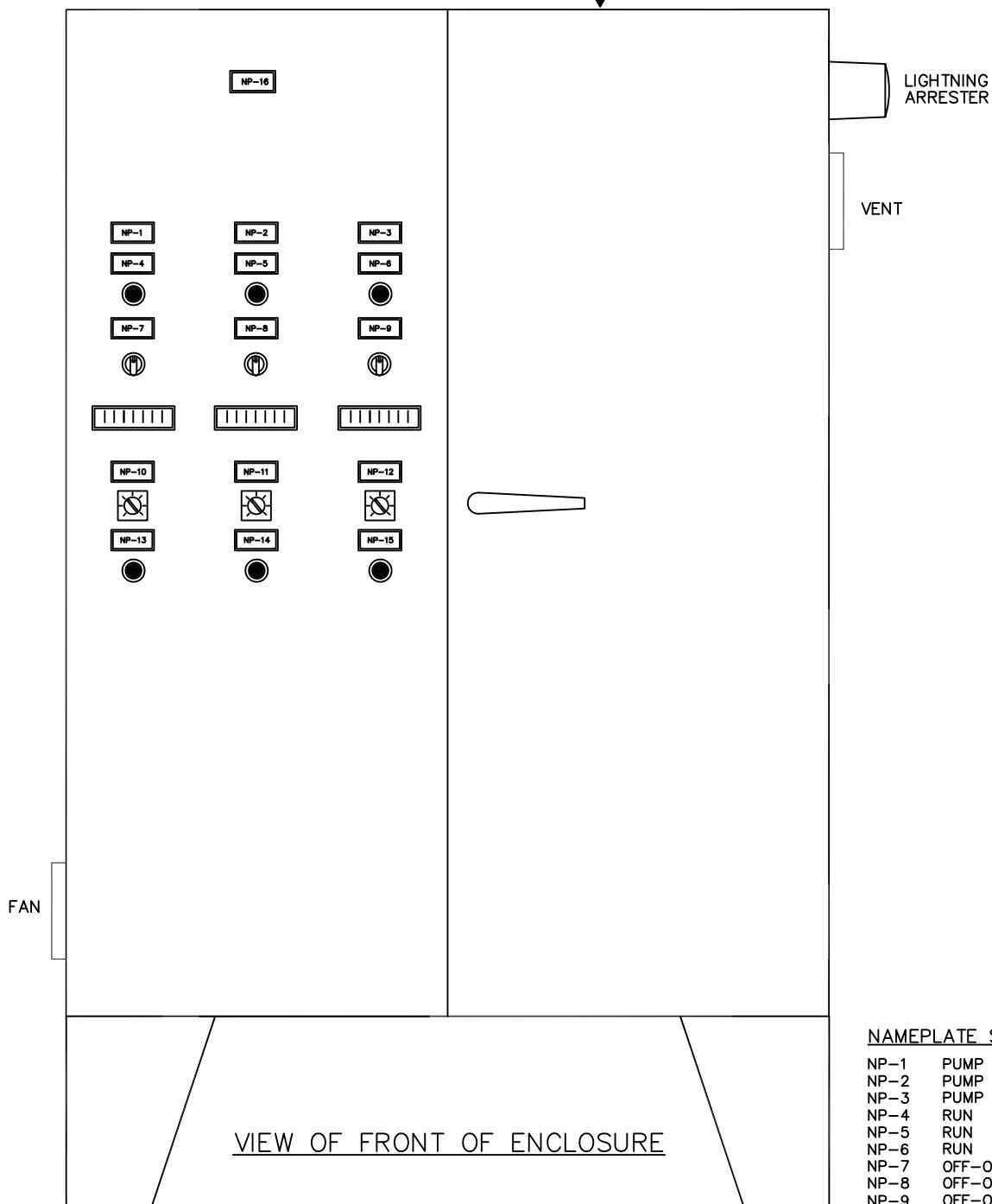


	Drawing Title  CONTROL DIAGRAM				
DATE 02/03/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY CTR APPROVED BY DATE
Project Title  BIO RECYCLE PUMP CONTROL PANEL	<b>PARSON &amp; SANDERSON, INC.</b> P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348			PURCHASE ORDER NUMBER	
				DRAWING NUMBER CP-1738	
				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
Project Title  BIO RECYCLE 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-1738			
		SHEET NUMBER 5			

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	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	BIO RECYCLE PUMP CONTROL PANEL BRPCP-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	ENCLOSURE						
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED		
	C.C.	R.C.	BY CTR		BY	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		
BIO RECYCLE PUMP CONTROL PANEL					DRAWING NUMBER CP-1738		
					SHEET NUMBER 6		

# BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	D604812N12/12" LEGS	ENCLOSURE
1a	1	EBE	D6048P	BACKPLATE
2	1	SQUARE D	9070TF500D1	TRANSFORMER
3	1	DELTA	LA603	LIGHTNING ARRESTER
4	3	ABB	OS100J03	3P FUSIBLE DISCONNECT
5	3	ABB	OHB4	DIRECT MOUNT HANDLE
6	9	BUSSMAN	JKS-60	60A FAST ACTING
7	3	SQUARE D	ATV-58HD28N4XZU	VFD 480V UP TO 25HP
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	1	SQUARE D	QUO110	CB1
23				
24				
25				

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REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY	
S/N		Sales Engineer	Application Engineer	DRAWN		APPROVED		
		C.C.	R.C.	BY	CTR	BY	DATE	
DATE 02/03/04								
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	
BIO RECYCLE PUMP CONTROL PANEL							DRAWING NUMBER CP-1738	
							SHEET NUMBER 7	