

**PARSON & SANDERSON, INC.**

PANEL SPSP  
SLUDGE PUMP SELECTOR PANEL  
CITY OF LAKE CHARLES  
PLANT D

AS BUILTS

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

CP-1741

VOLTAGE	_____	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	_____	
NO. MOTORS	_____	
HP	_____	
FLA	_____	
TYPE OF PUMP	_____	(Self-Priming, Submersible)
MANUFACTURER	_____	
CATALOG NUMBER	_____	
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 4X	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	SS	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	_____	(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	_____	
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 Plant D

Sludge Pump Selector Panel

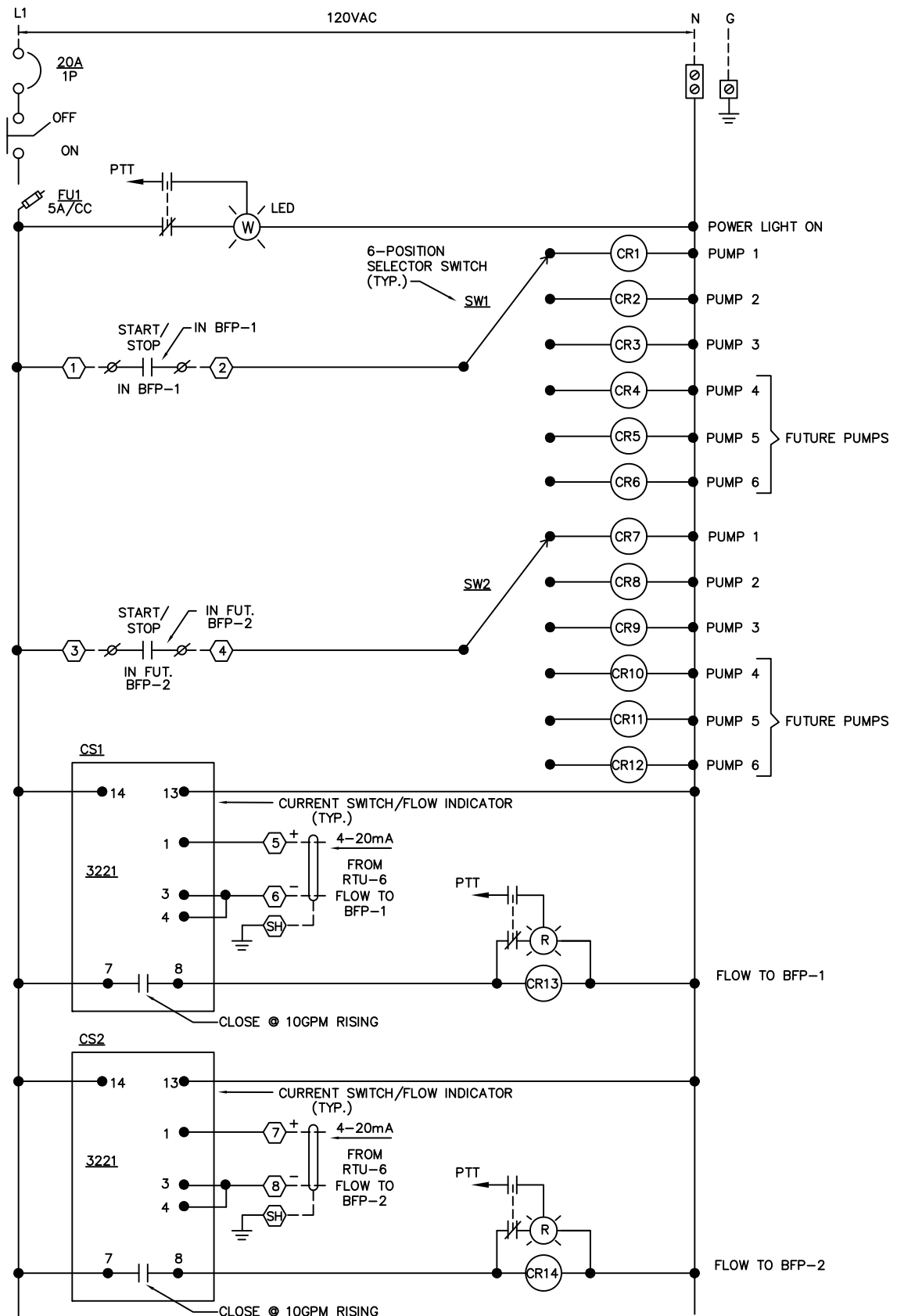
SHIP TO: Lake Charles WWTP Plant D

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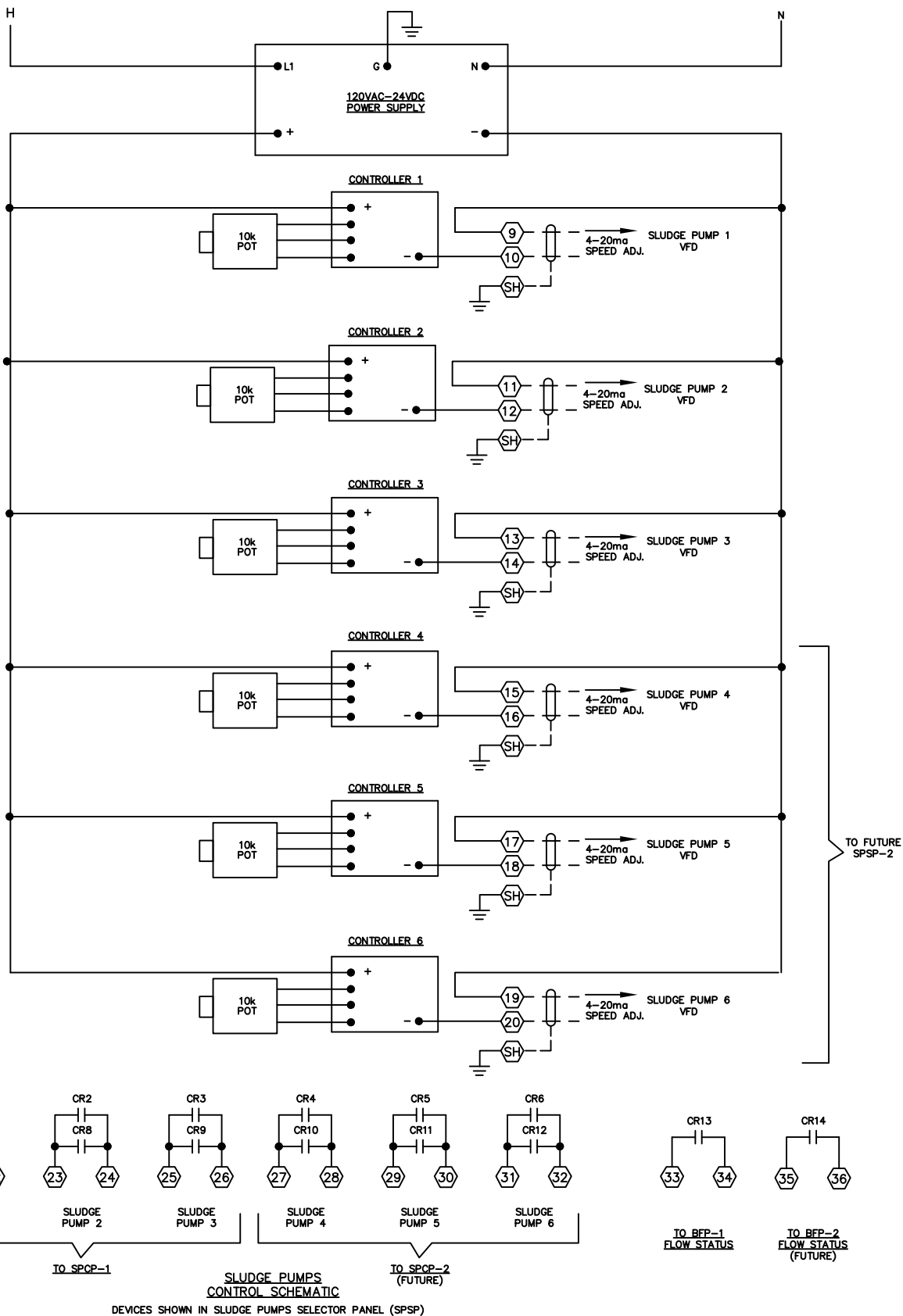
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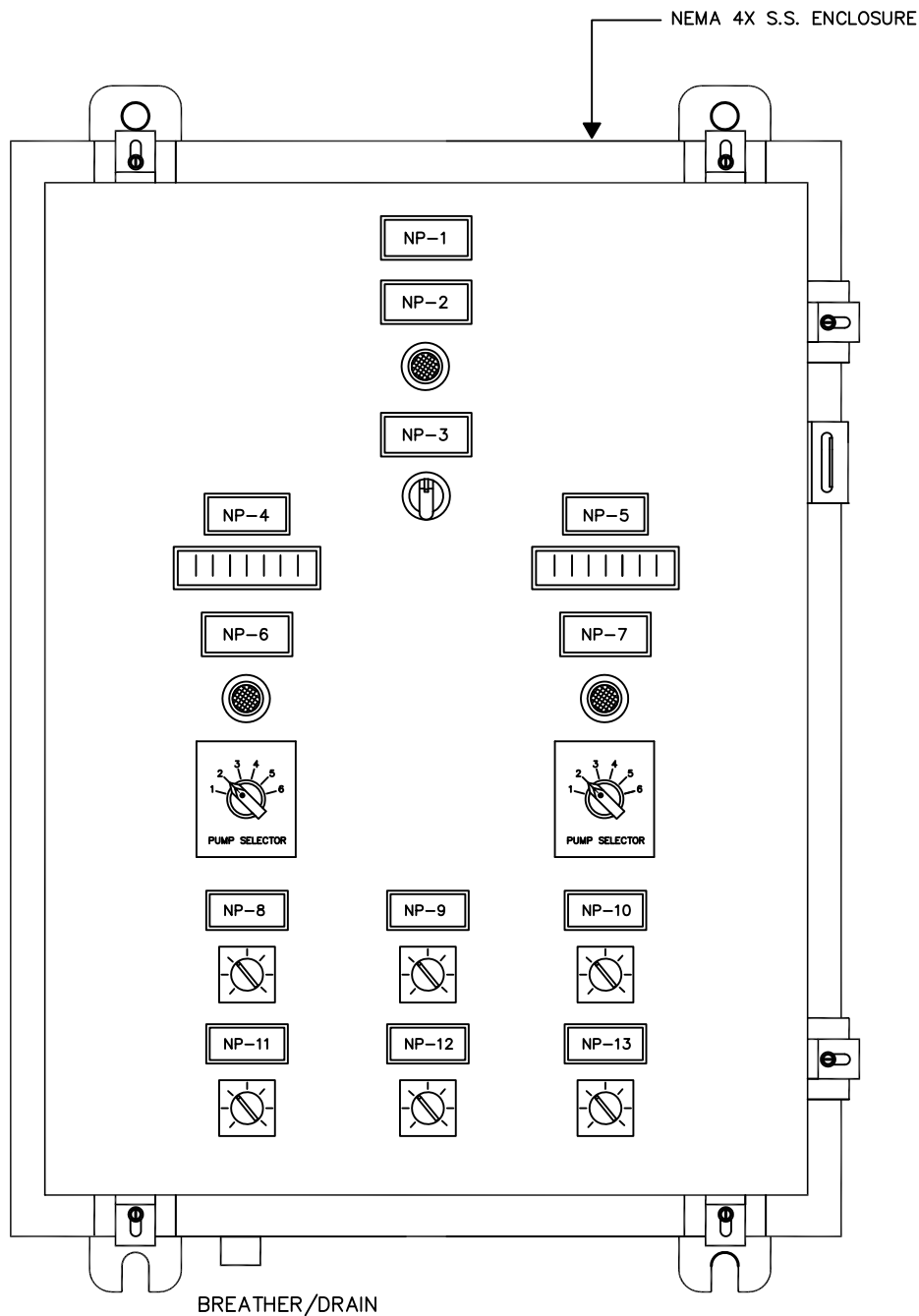
	Drawing Title						
	PANEL DESCRIPTION						
DATE 02/10/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY CTR	ECN	DATE
	Project Title	<b>PARSON &amp; SANDERSON, INC.</b> P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348				PURCHASE ORDER NUMBER	
	SLUDGE PUMP SELECTOR PANEL					DRAWING NUMBER CP-1741	
						SHEET NUMBER 1	



	Drawing Title								
	POWER DIAGRAM								
DATE 02/10/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY	APPROVED	
	Project Title	PARSON & SANDERSON, INC.					PURCHASE ORDER NUMBER		
	SLUDGE PUMP SELECTOR PANEL	P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348					DRAWING NUMBER CP-1741		
							SHEET NUMBER 2		



	Drawing Title					
DATE 02/10/04	CONTROL DIAGRAM	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY CTR	APPROVED BY DATE
	Project Title  SLUDGE PUMP SELECTOR 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-1741 SHEET NUMBER 3	



**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	SLUDGE PUMP SELECTOR PANEL/ SPSP
NP-2	POWER ON
NP-3	OFF-ON
NP-4	BELT FILTER PRESS 1
NP-5	BELT FILTER PRESS 2
NP-6	SLUDGE FLOW
NP-7	SLUDGE FLOW
NP-8	SLUDGE PUMP 1/SPEED ADJUST
NP-9	SLUDGE PUMP 2/ SPEED ADJUST
NP-10	SLUDGE PUMP 3/SPEED ADJUST
NP-11	SLUDGE PUMP 4/ SPEED ADJUST
NP-12	SLUDGE PUMP 5/SPEED ADJUST
NP-13	SLUDGE PUMP 6/ SPEED ADJUST

Drawing Title	ENCLOSURE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 02/10/04			S/N	Sales Engineer C.C.	Application Engineer R.C.	BY	DATE	BY
Project Title	SLUDGE PUMP SELECTOR PANEL		<b>PARSON &amp; SANDERSON, INC.</b>				PURCHASE ORDER NUMBER	
			P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348				DRAWING NUMBER CP-1741	
							SHEET NUMBER 4	

# BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S242010N4X	ENCLOSURE
1a	1	EBE	A242010P	BACKPLATE
2	1	SQUARE D	QOU120	CB1
3	1	A-B	800H-HR2D1	OFF/ON SWITCH
4	2	A-B	800H-QRT10R	PTT RED PILOT LIGHT
5	1	CROUSE HINDS	ECD18	BREATHER/DRAIN
6	1	ZERUST		CORROSION INHIBITOR
7	1	A-B	800H-QRT10W	WHITE PTT PILOT LIGHT
8	2	IDEC	ACSNO-363-YB-C-3013	6 POS. SELECTOR SWITCH
9	6	J-H TECHNOLOGY	10KPOT-4-20ma	CONTROLLER 1-6
10	6	A-B	800H-UR29	10K POT
11	6	A-B	800H-W081	POT. LEGEND PLATE
12	1	SIEMENS	6EP1331-1SH02	POWER SUPPLY
13	14	OMRON	LY2NAC120	CR1-14
14	2	DIGITECH	3221	FLOW INDICATOR
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

	Drawing Title						
	BILL OF MATERIALS						
DATE 02/10/04		REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY CTR		APPROVED 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
	SLUDGE PUMP SELECTOR PANEL						DRAWING NUMBER CP-1741
							SHEET NUMBER 5

## FACTORY SETTINGS

SET TO READ FLOW: 0–200GPM  
DETECT FLOW AT 10GPM

3221: dECPO = 1999.9  
InPLO = 4.0  
InPHI = 20.0  
dSPLO = 0.0  
dSPHI = 200.0  
tyPE = AL HI  
rELAy = nO  
HySt = 1.0  
alarm setpoint = 10.0