

PARSON & SANDERSON, INC.

DUPLEX PUMP  
CONTROL PANEL  
RECYCLE PUMP STATION

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

CP-2130

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 3R	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Painted Steel	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	Floats	(Floats, Bubbler, Other)
CAPACITORS	No	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE	_____	

OPTIONS:

SEAL FAIL LIGHTS	X	(Submersible Only)
SEAL FAIL RELAYS	X	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	_____	(Submersible Only)
HT PUMP SHUTDOWN	X	(Self-Primer, Submersible)
ALARM HORN	_____	
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD	_____	
LIGHT FLASHER	_____	
LIGHTNING ARRESTER	_____	
ELAPSED TIME METER	X	
PHASE MONITOR	_____	
NEMA RATED STARTERS	_____	
GROUND FAULT RECPT.	X	
GREEN RUN LIGHTS VS. RED	X	
POLE, BOX, SEAL	_____	
INTRINSICALLY SAFE RELAYS	_____	
HIGH TEMP. LOCKOUT, MANUAL RESET	_____	
ECONOMY VERSION	_____	

SOLD TO: Parson & Sanderson

TAG : RECYCLE PUMP STATION

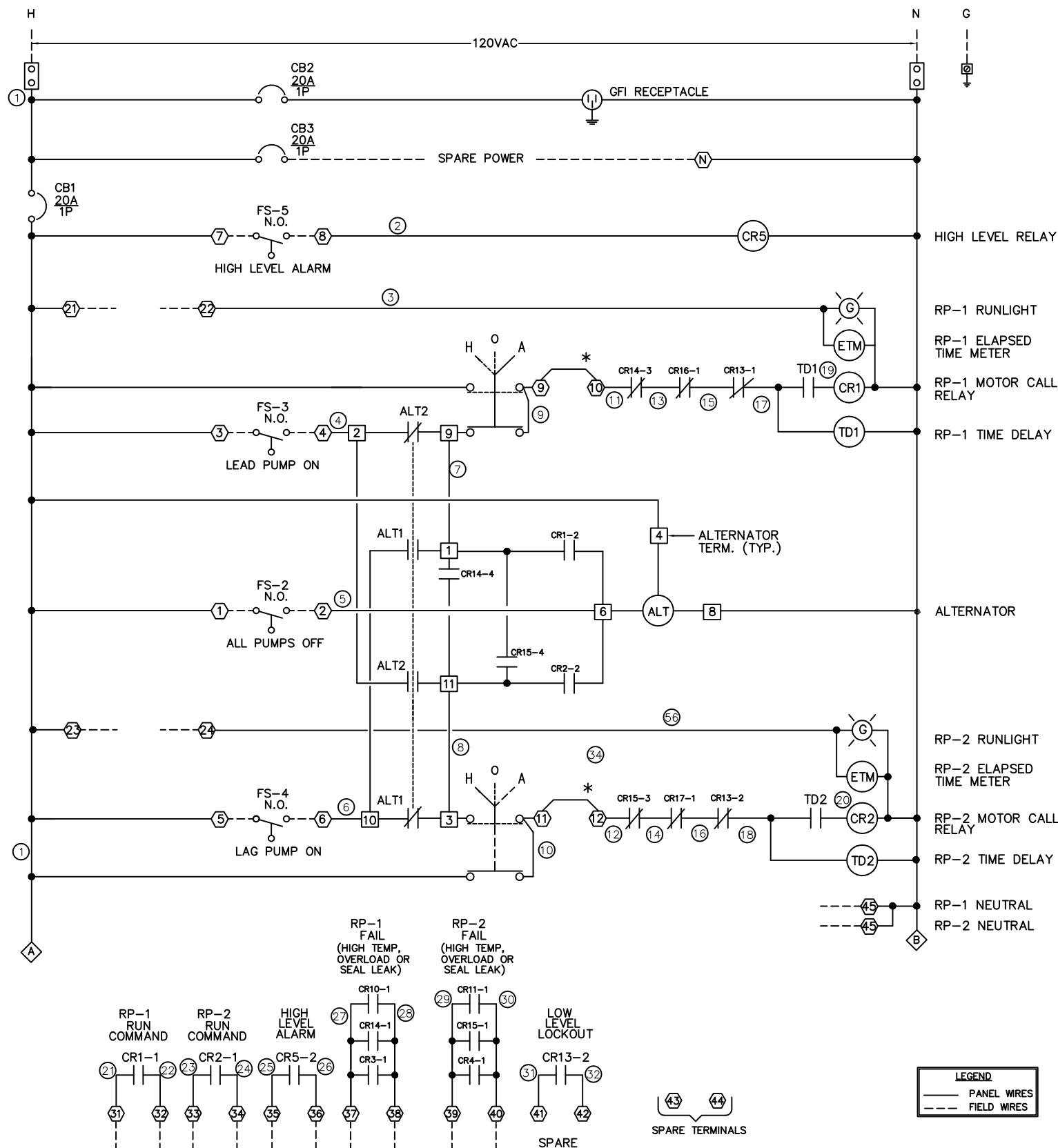
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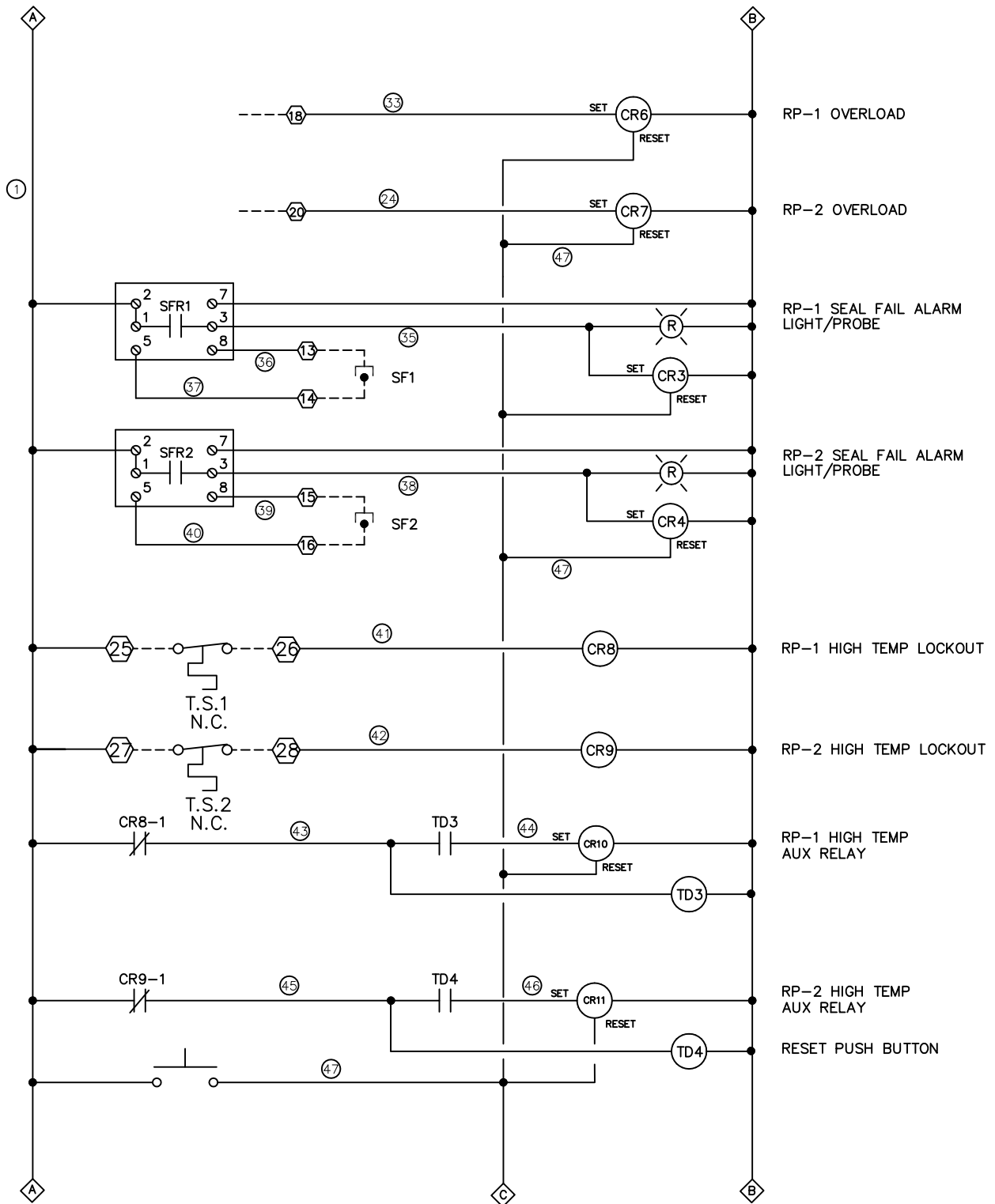
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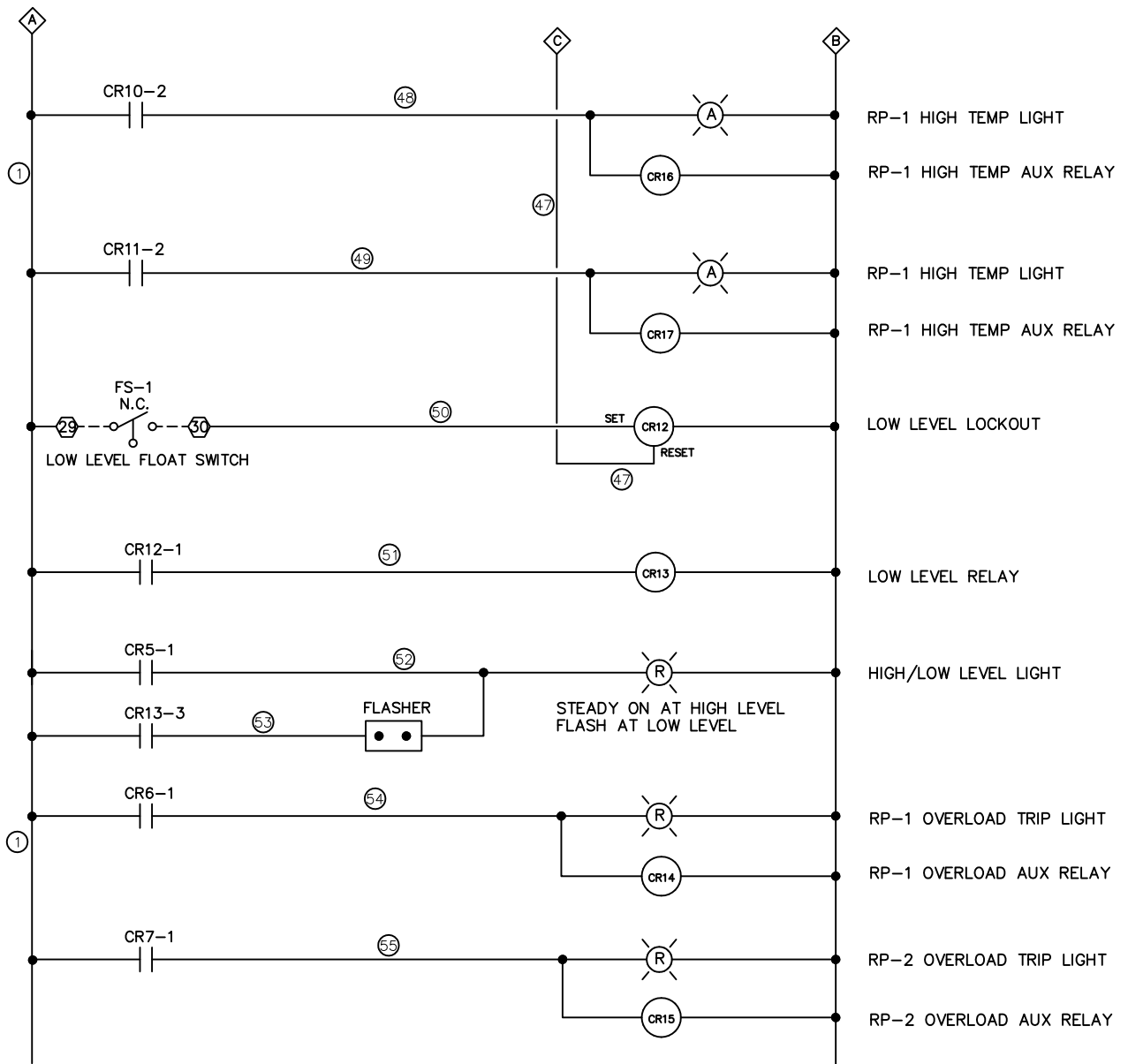
	Drawing Title						
	PANEL DESCRIPTION						
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
8/16/05		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY	DATE
	Project Title	PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348				PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL					DRAWING NUMBER CP-2130	
						SHEET NUMBER 1	



Drawing Title	CONTROL DIAGRAM				
DATE	8/16/05	1	C-20 & C-24	7/05/05	
Project Title	PARSON & SANDERSON, INC.				PURCHASE ORDER NUMBER
	P.O. BOX 958				DRAWING NUMBER
	METAIRIE, LA 70004				CP-2130
	(504) 733-1330 Fax (504) 736-9348				SHEET NUMBER
					2



Drawing Title	CONTROL DIAGRAM					
DATE	8/16/05	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE
Project Title	PARSON & SANDERSON, INC.				PURCHASE ORDER NUMBER	
	P.O. BOX 958				DRAWING NUMBER	
	METAIRIE, LA 70004				CP-2130	
	(504) 733-1330 Fax (504) 736-9348				SHEET NUMBER	
					3	

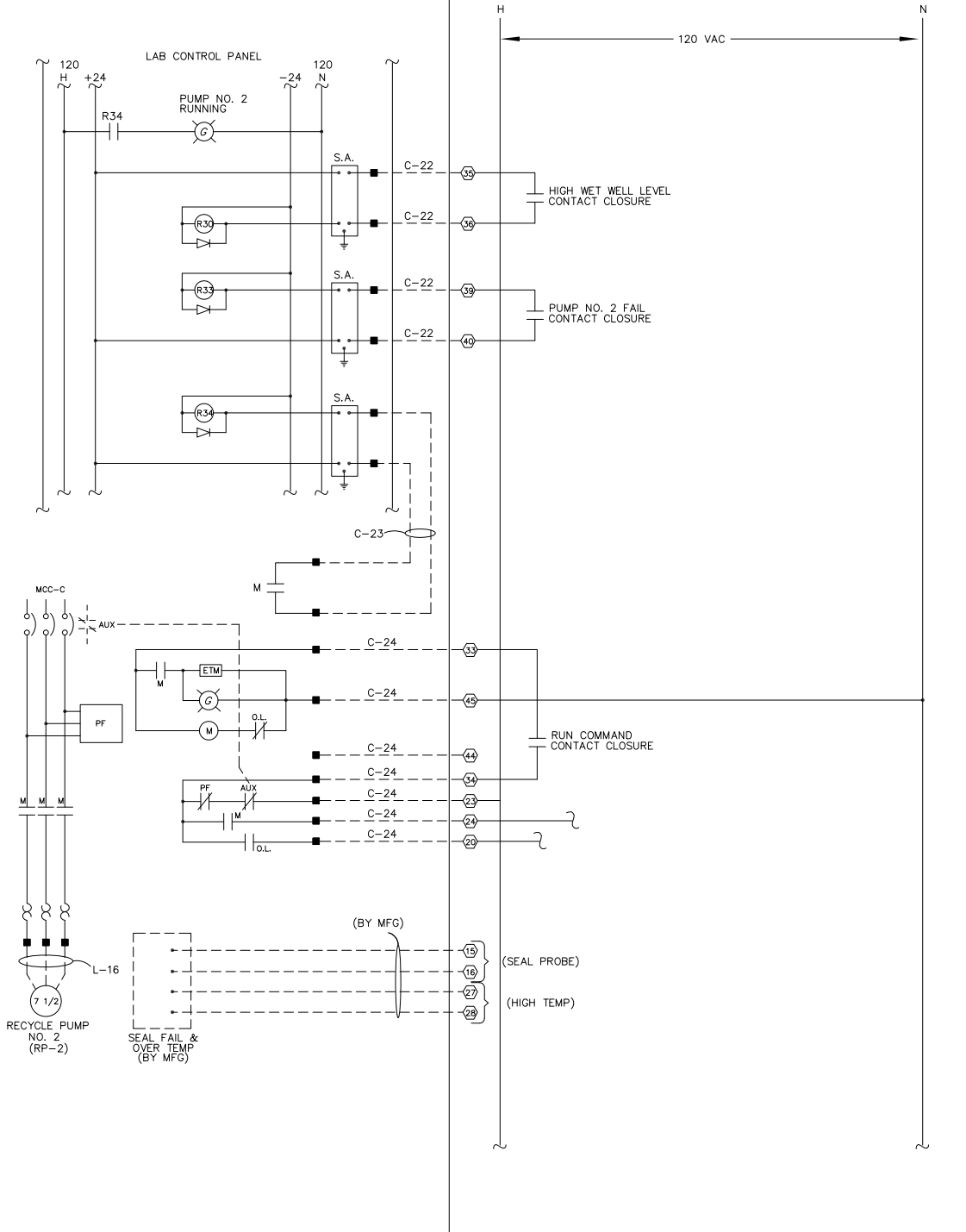


LEGEND	
—	PANEL WIRES
- - -	FIELD WIRES

	Drawing Title  CONTROL DIAGRAM								
			1	C-20 & C-24			7/05/05		
			REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE
DATE 8/16/05	S/N	Sales Engineer C.C.	Application Engineer R.C.		DRAWN BY C. RACHAL		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-2130									
SHEET NUMBER									
4									

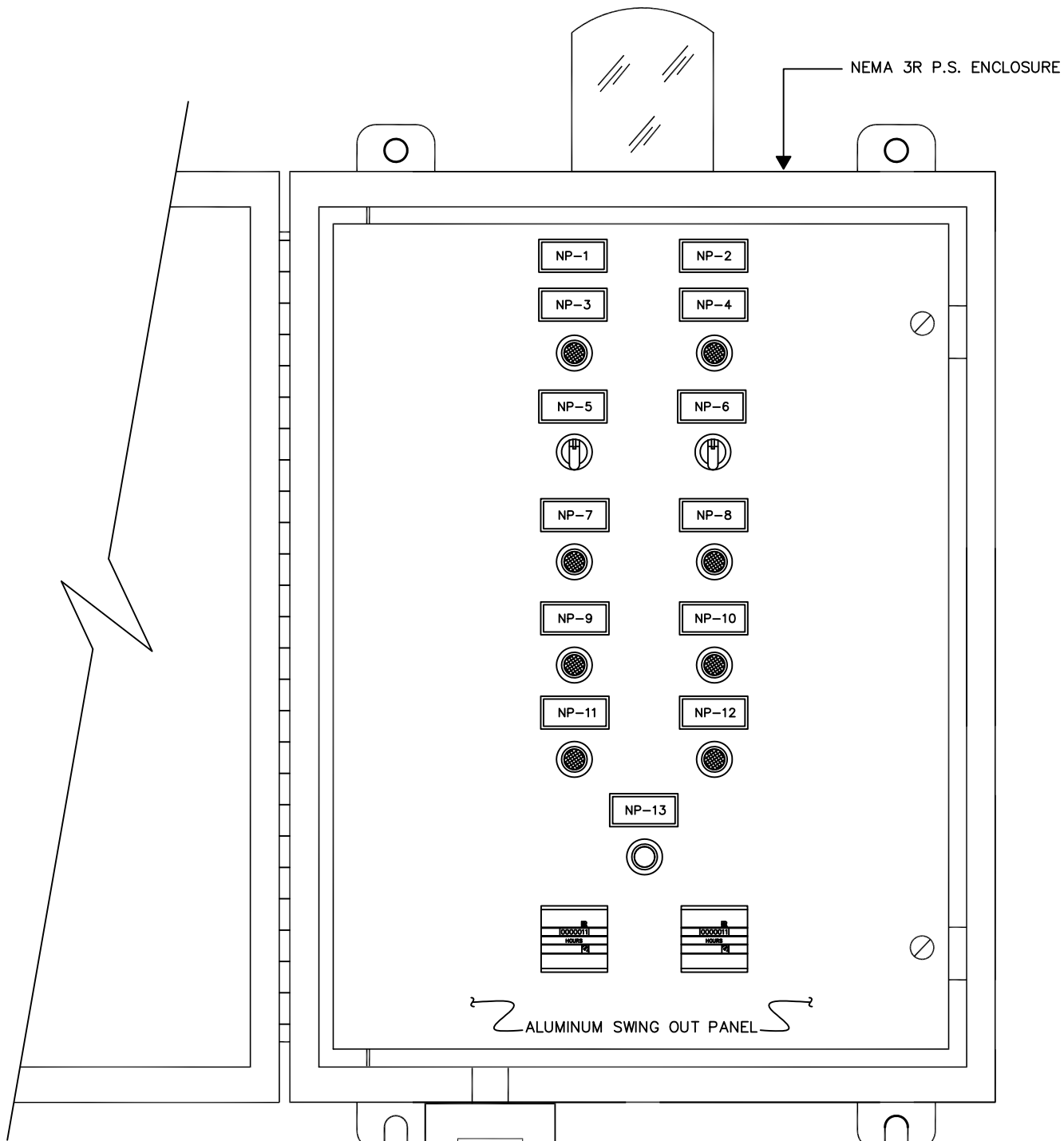


CONTINUED FROM PREVIOUS SHEET



LEGEND	
—	PANEL WIRES
---	FIELD WIRES

	Drawing Title  <div>INTERCONNECTION DRAWING</div>							
			1	C-20 & C-24			7/05/05	
DATE 8/16/05		REFERENCE DRAWING	NO.	REVISION-LOCATION		ECN	DATE	BY
	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL		APPROVED BY		DATE
	Project Title  <div>DUPLEX PUMP CONTROL PANEL</div>	PARSON & SANDERSON, INC.  P.O. BOX 958 METAIRIE, LA 70004  (504) 733-1330 Fax (504) 736-9348				PURCHASE ORDER NUMBER		
						DRAWING NUMBER CP-2130		
						SHEET NUMBER 6		



VIEW OF SWING OUT PANEL

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 CALL
- NP-4 CALL
- NP-5 HOA
- NP-6 HOA
- NP-7 SEAL FAIL
- NP-8 SEAL FAIL
- NP-9 HIGH TEMP
- NP-10 HIGH TEMP
- NP-11 OVERLOAD TRIP
- NP-12 OVERLOAD TRIP
- NP-13 RESET

	Drawing Title   ENCLOSURE							
DATE 8/16/05			REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY	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-2130	
							SHEET NUMBER 7	



# BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	242008REPL	ENCLOSURE
1a	1	EBE	A2420P	BACKPLATE
1b	1	EBE	A2420SP	DEAD FRONT
2	4	OMRON	H3YN2AC120	TD1-4
3	3	SQUARE D	QOU120	CB1, CB2, CB3
4	1	TIMEMARK	261DT120	ALTERNATING RELAY
5	4	ACI	JR22FR	RED PILOT LIGHT
6	2	ACI	JR22P3M20B	HOA SWITCH
7	1	AC/DC	BL5-R-120	ALARM LIGHT
8	2	MARATHON	1321580	DISTRIBUTION BLOCK
9	2	REDINGTON	711-0190	ELAPSED TIME METER
10	2	SSAC	LLC54AA	SEAL FAIL RELAY
11	7	IDEC	RU2SA110	CR1,2,5,8,9,16,17
12	2	IDEC	RY4SA110	CR13,14,15
13	1	STOCK		GFI RECEPTACLE
14	2	ACI	JR22FG	GREEN PILOT LIGHT
15	2	ACI	JR22FY	YELLOW PILOT LIGHT
16	1	ACI	JR22AN11B	PUSH BUTTON
17	7	MAGNECRAFT	W388AMLCPX-9	CR3,4,6,7,10,11,12
18	1	SSAC	FS126	FLASHER
19				
20				
21				
22				
23				
24				
25				

	Drawing Title							
	BILL OF MATERIALS							
DATE 8/16/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE	BY
						APPROVED		
	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-2130		
						SHEET NUMBER 8		