

PARSON & SANDERSON, INC.

DUPLEX PUMP  
CONTROL PANEL  
MARRERO WWTP

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

CP-2120

VOLTAGE	<u>277/480V</u>	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	<u>3/60</u>	
NO. MOTORS	<u>2</u>	
HP	<u>3</u>	
FLA	<u>4.8(EST)</u>	
TYPE OF PUMP	<u>Submersible</u>	(Self-Priming, Submersible)
MANUFACTURER	<u>Heyward Gordon</u>	
CATALOG NUMBER	<u></u>	
CONTROL VOLTAGE	<u>120V</u>	(120V, Other)
ENCLOSURE	<u>NEMA 4X</u>	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	<u>Stainless Steel</u>	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	<u>Floats</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>X</u>	(Submersible Only)
SEAL FAIL RELAYS	<u>X</u>	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	<u></u>	(Submersible Only)
HT PUMP SHUTDOWN	<u>X</u>	(Self-Primer, Submersible)
ALARM HORN	<u></u>	
ALARM LIGHT	<u>X</u>	
LIGHT PANEL MTD	<u>X</u>	
LIGHT REMOTE MTD	<u></u>	
LIGHT FLASHER	<u></u>	
LIGHTNING ARRESTER	<u>X</u>	
ELAPSED TIME METER	<u>X</u>	
PHASE MONITOR	<u>X</u>	
NEMA RATED STARTERS	<u>X ABB</u>	
GROUND FAULT RECPT.	<u>X</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>	
U.L. LISTING	<u></u>	

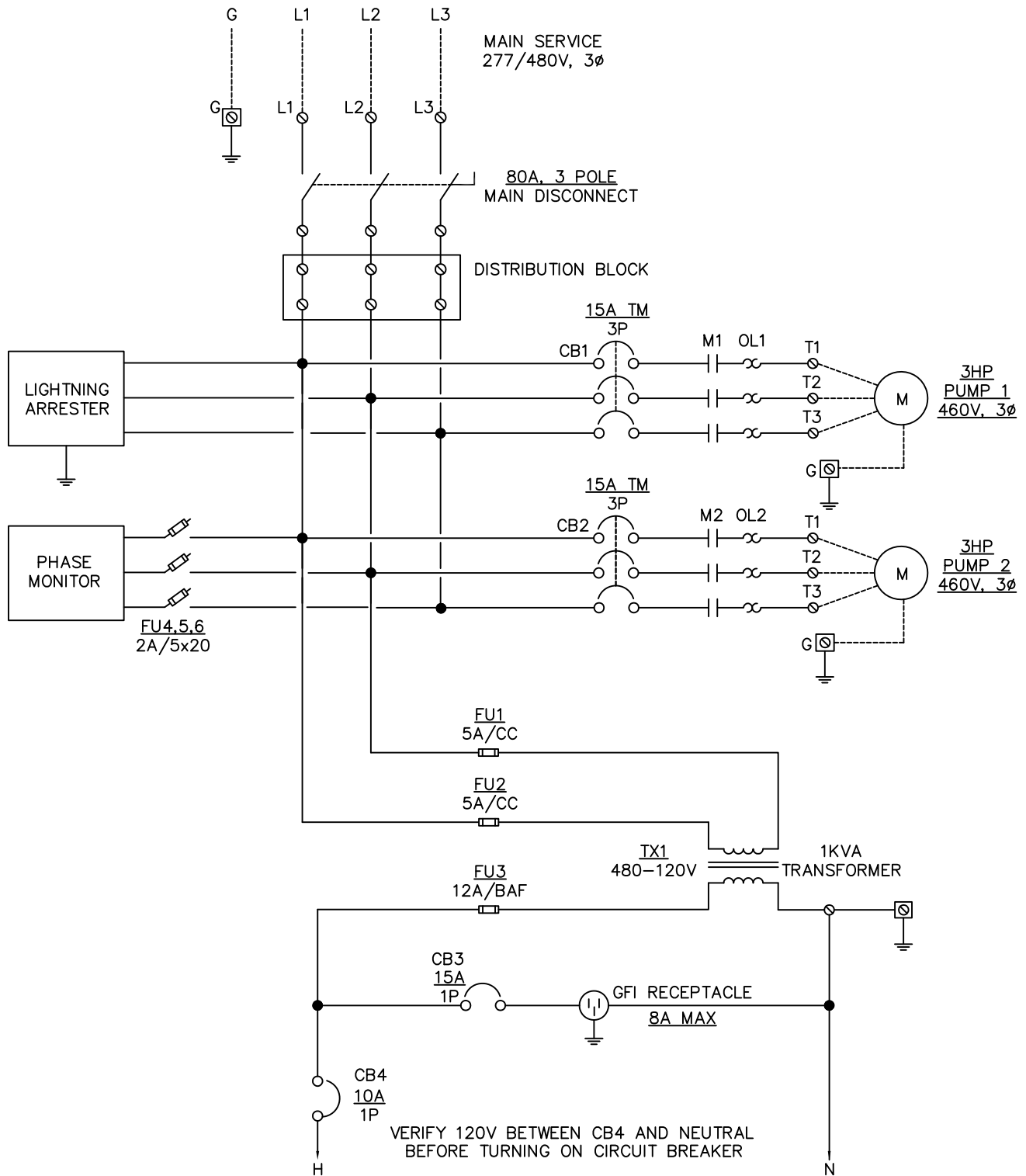
SOLD TO: Parson & Sanderson, Inc.

TAG : MARRERO WWTP

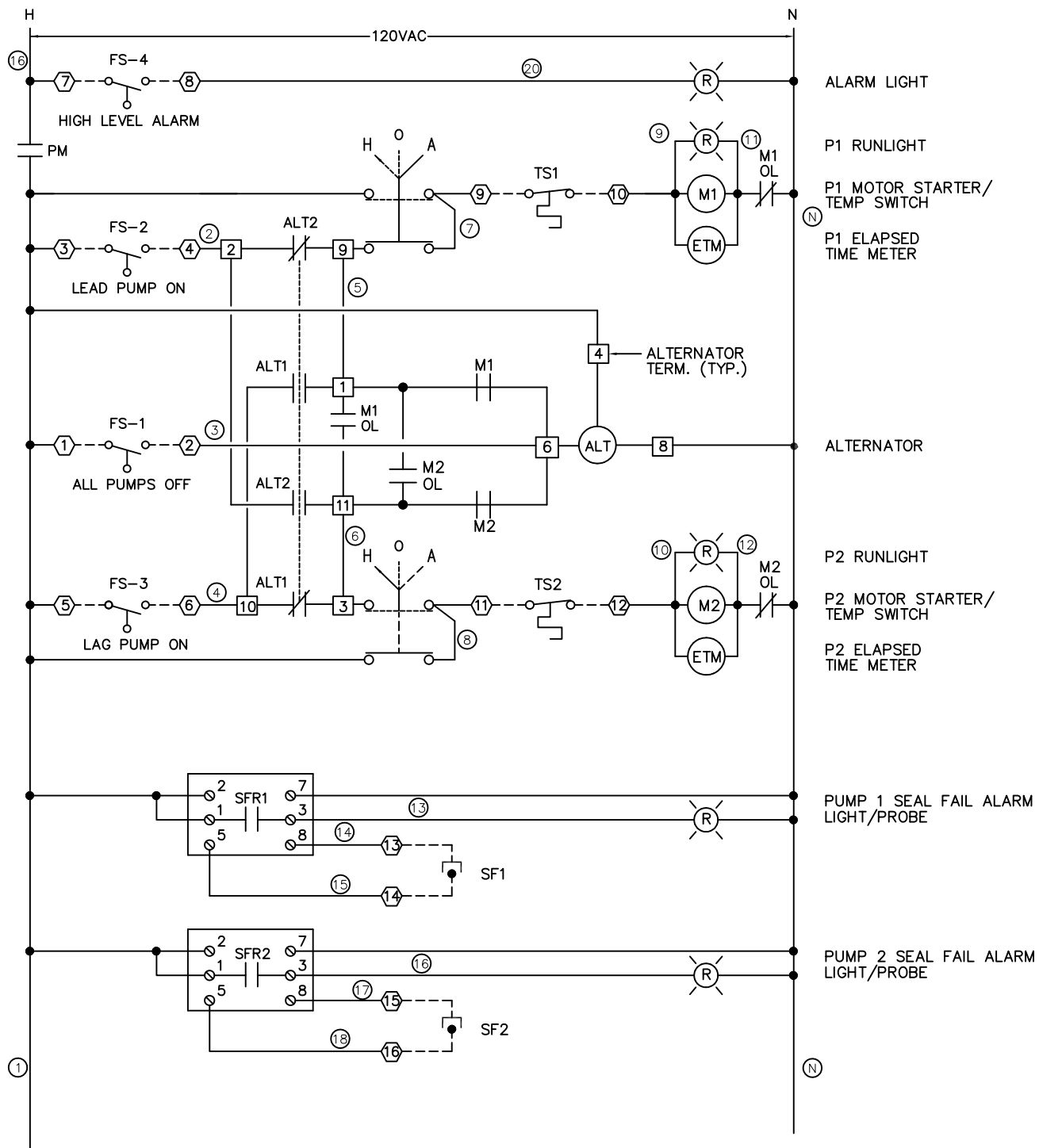
SHIP TO: Cajun Constructors

MARRERO WWTP

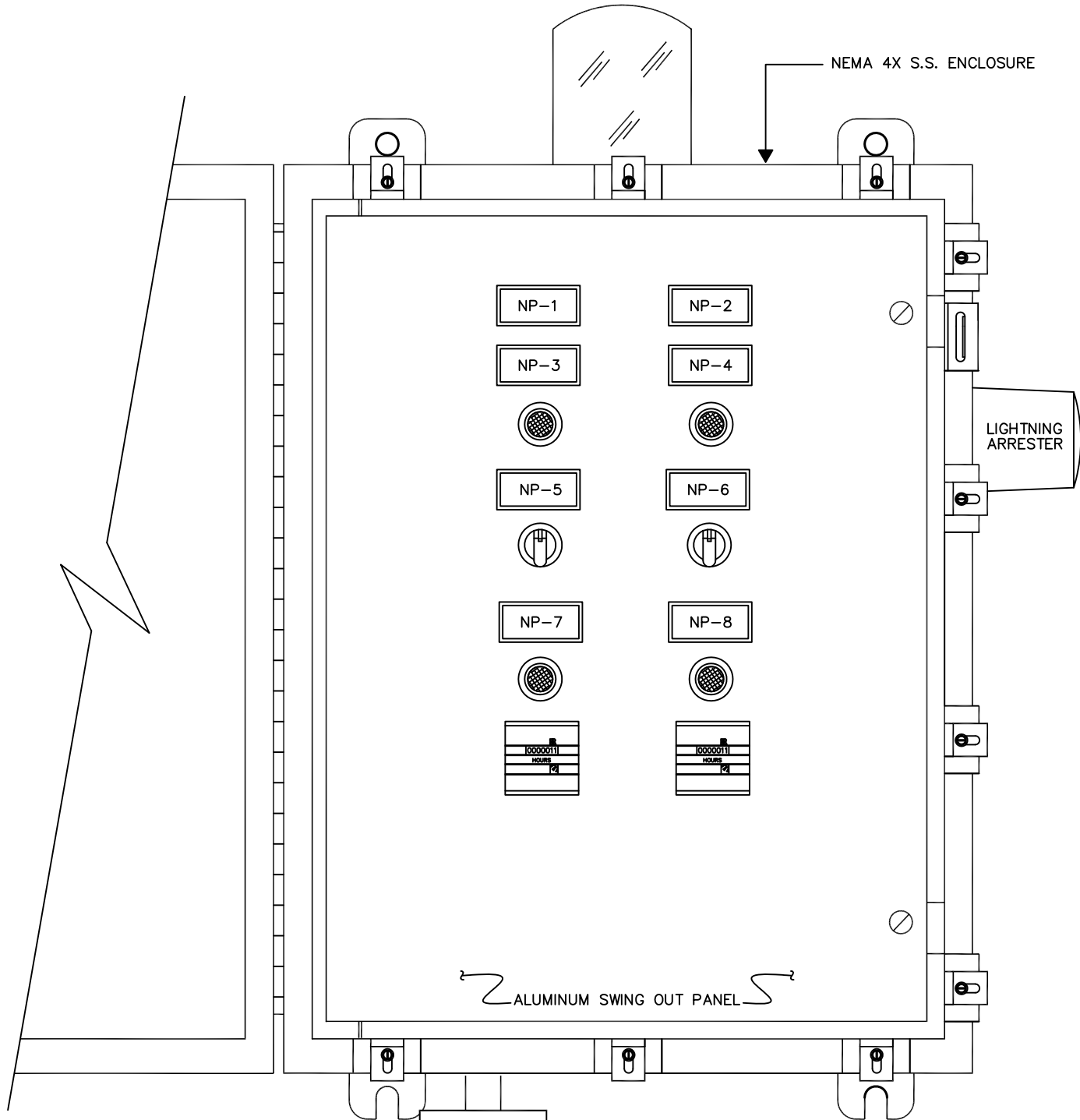
	Drawing Title							
	PANEL DESCRIPTION							
DATE 8/02/05			REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title		PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348				PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL						DRAWING NUMBER CP-2120	
							SHEET NUMBER 1	



	Drawing Title								
	POWER DIAGRAM								
DATE	8/02/05	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	APPROVED	
		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL	BY	DATE		
	Project Title	PARSON & SANDERSON, INC.					PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL	P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348					DRAWING NUMBER CP-2120		
							SHEET NUMBER 2		



	Drawing Title								
	CONTROL DIAGRAM								
DATE	8/02/05	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	APPROVED	
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL				
	Project Title	PARSON & SANDERSON, INC.					PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL	P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348					DRAWING NUMBER CP-2120		
							SHEET NUMBER 3		



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 RUN
- NP-4 RUN
- NP-5 HOA
- NP-6 HOA
- NP-7 SEAL FAIL
- NP-8 SEAL FAIL

	Drawing Title   ENCLOSURE							
DATE 8/02/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN BY	DATE DATE	BY
	Project Title	PARSON & SANDERSON, INC.				PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL	P.O. BOX 958 METAIRIE, LA 70004				DRAWING NUMBER CP-2120		
		(504) 733-1330 Fax (504) 736-9348				SHEET NUMBER 4		

# BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	C & I	I-242010ST4X	ENCLOSURE
1a	1	C & I	CI-2420P	BACKPLATE
1b	1	C & I	CI-2420SPA	DEAD FRONT
2	1	ABB	OT63E3	MAIN DISC. SWITCH
3	2	ABB	A26N1-30-10-84	MOTOR STARTER
4	2	ABB	TA25DU5.0	O.L. RELAY (3.5-5.0A)
5	2	ABB	T1N015TL	CB1, CB2
6	1	TIMEMARK	261DT120	ALTERNATING RELAY
7	4	ACI	JR22FR	RED PILOT LIGHT
8	2	ACI	JR22P3M20B	HOA SWITCH
9	1	SQUARE D	9070TF1000D1	TRANSFORMER
10	1	AC/DC	BL5-120-R	ALARM LIGHT
11	2	REDINGTON	711-0190	ELAPSED TIME METER
12	2	SSAC	LLC54AA	SEAL FAIL RELAY
13	1	DELTA	LA603	LIGHTNING ARRESTER
14	1	MARATHON	1323580	DISTRIBUTION BLOCK
15	1	SSAC	PLMU-11	PHASE MONITOR
16	1	SQUARE D	QOU115	CB3
17	1	STOCK		GFI RECEPTACLE
18	1	SQUARE D	QOU110	CB4
19				
20				
21				
22				
23				
24				

	Drawing Title							
	BILL OF MATERIALS							
DATE 8/02/05		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-2120		
						SHEET NUMBER 5		