

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	277/480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	3	
FLA	4.8(EST)	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Heyward Gordon	
CATALOG NUMBER		
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 4X	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Stainless 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		

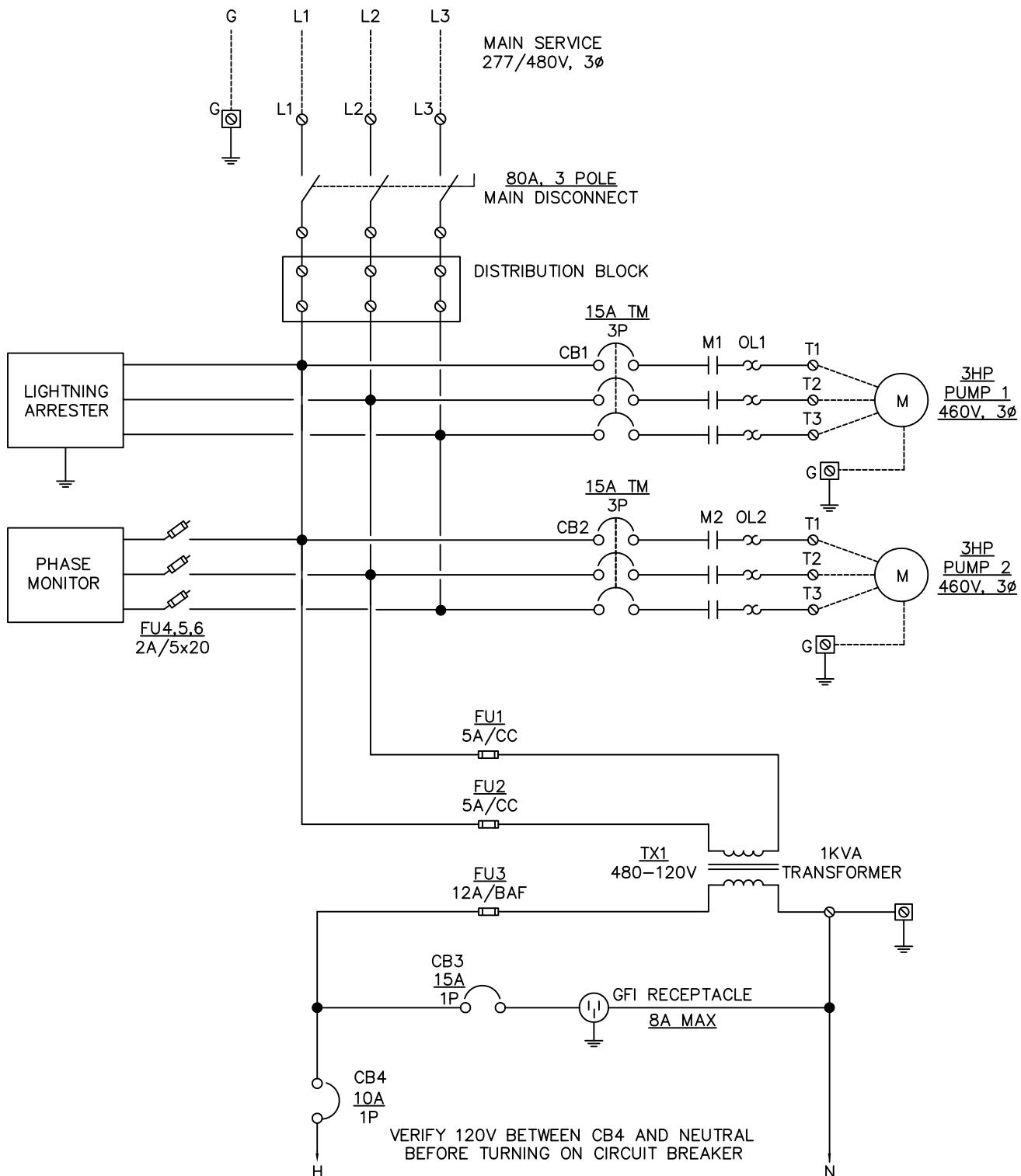
OPTIONS:

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

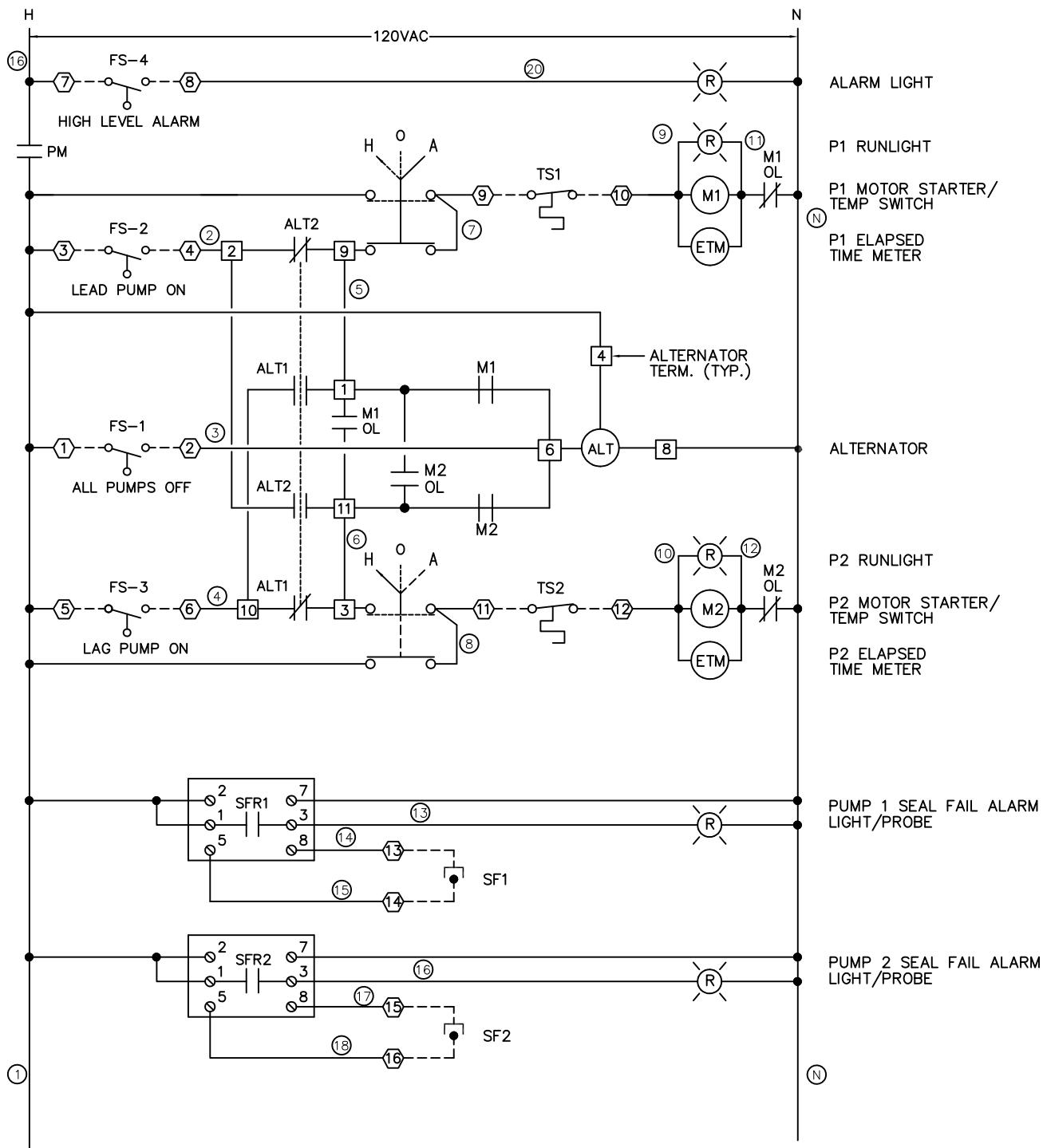
SOLD TO: Parson & Sanderson, Inc.  
TAG : MARRERO WWTP

SHIP TO: Cajun Constructors  
MARRERO WWTP

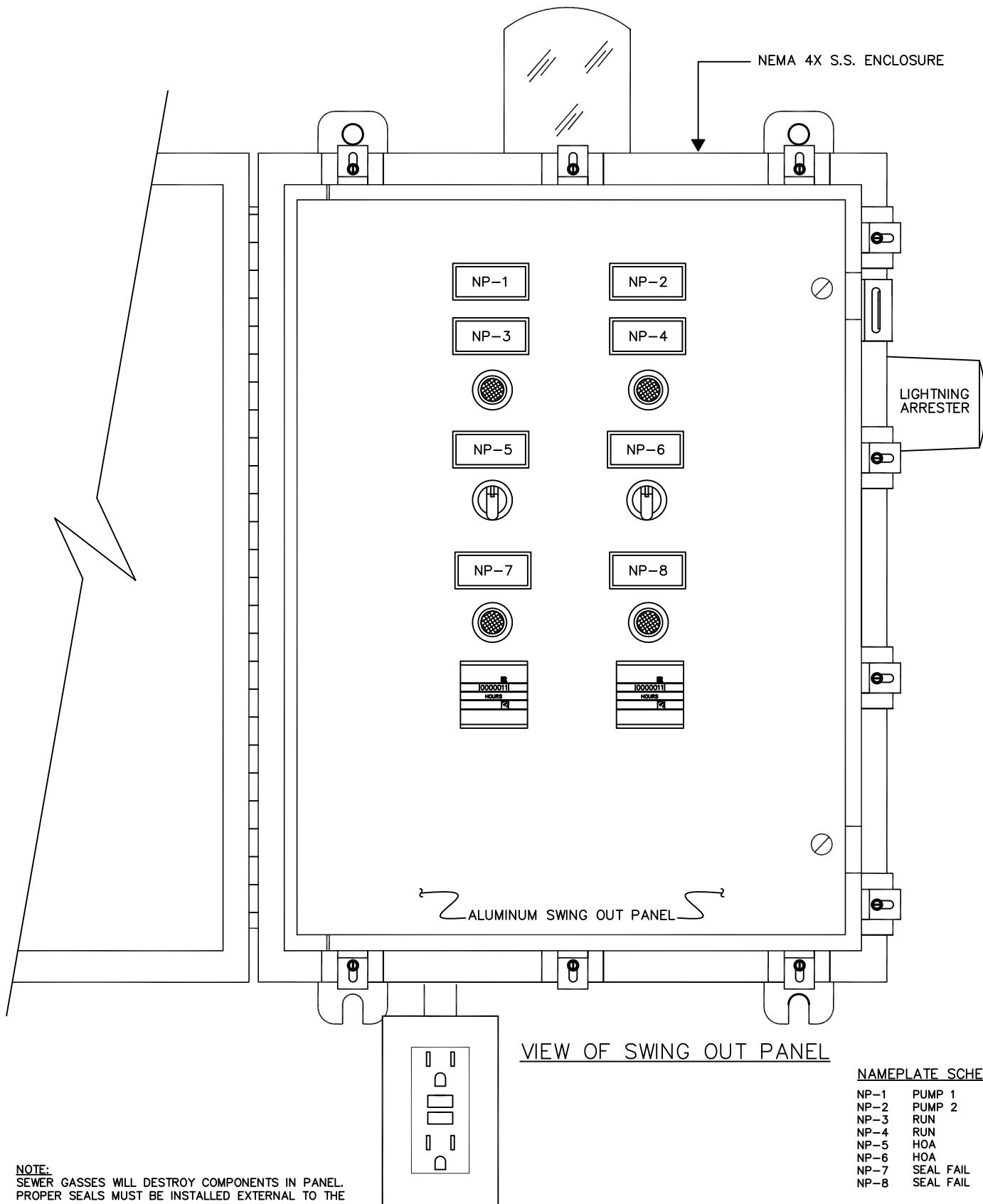
Drawing Title	PANEL DESCRIPTION	REFERENCE DRAWING		NO.	REVISION-LOCATION	ECN	DATE	BY
		S/N	Sales Engineer	Application Engineer	DRAWN	BY C. RACHAL	BY	APPROVED
DATE 8/02/05	Project Title  DUPLEX PUMP CONTROL PANEL	PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348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



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



	Drawing Title  CONTROL DIAGRAM						
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 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-2120	
						SHEET NUMBER 3	



**NOTE:**  
SEWER GASES WILL DESTROY COMPONENTS IN PANEL.  
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE  
PANEL TO PREVENT ENTRY OF GASES.

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					
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE BY
DATE 8/02/05		S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED
			C.C.	R.C.	BY C. RACHAL	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-2120
						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						
		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 8/02/05	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-2120 SHEET NUMBER 5	