

PARSON & SANDERSON, INC.

DUPLEX PUMP  
CONTROL PANEL  
MERRYVILLE, LA

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

QTY - 4  
CP-1715

VOLTAGE	277/480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	2	
FLA	4.1	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Hydromatic	
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		

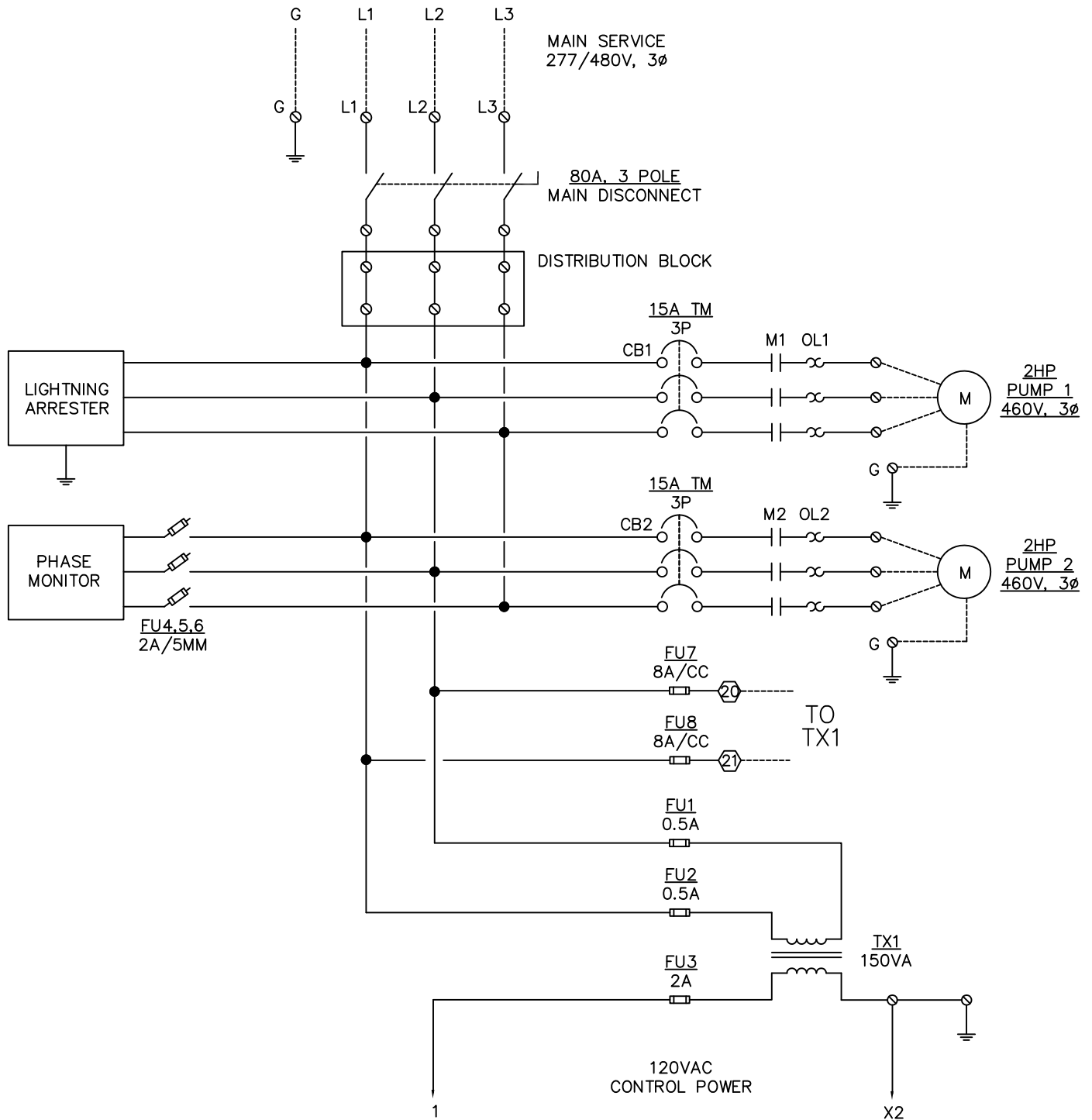
OPTIONS:

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

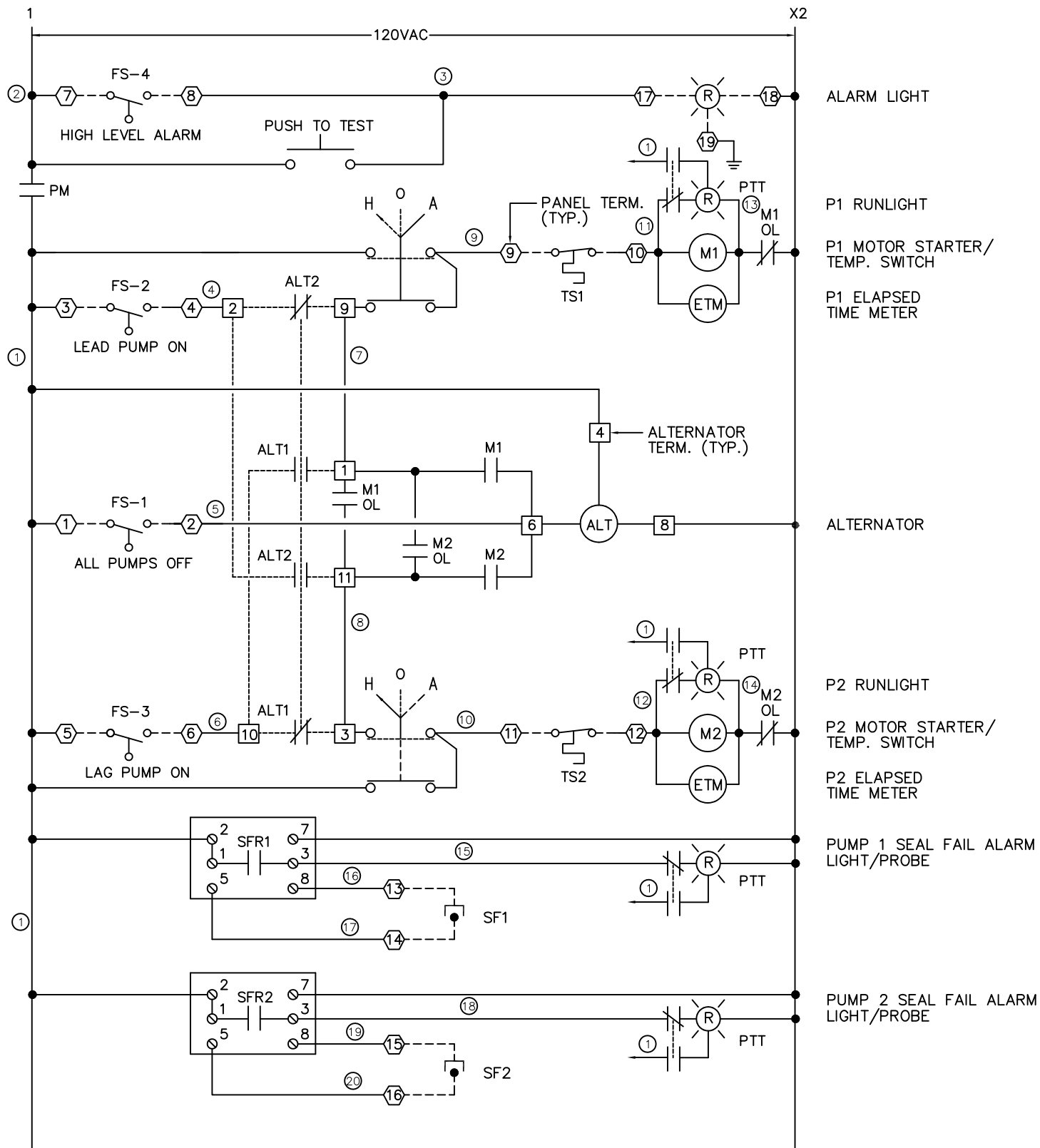
SOLD TO: Parson & Sanderson, Harahan, LA  
TAG : Merryville

SHIP TO: Blake D. Hines, Inc.  
Merryville, LA 70653

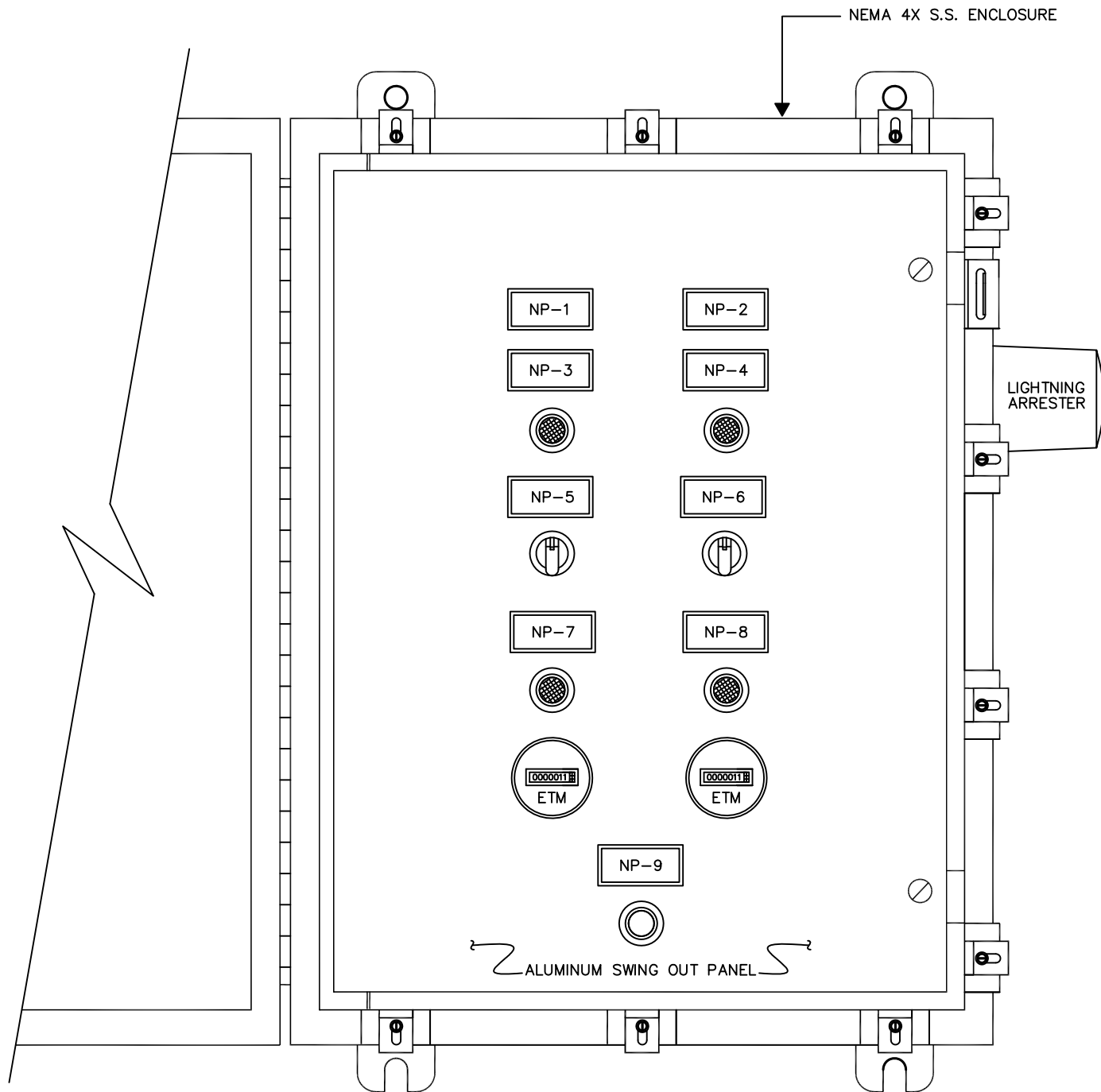
	Drawing Title						
	PANEL DESCRIPTION						
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
12/16/03		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY	DATE
	Project Title	PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348				PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL					DRAWING NUMBER CP-1715	
						SHEET NUMBER 1	



	Drawing Title							
	POWER DIAGRAM							
DATE	12/16/03	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED		
	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-1715		
						SHEET NUMBER 2		



	Drawing Title    CONTROL DIAGRAM							
DATE 12/16/03			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-1715	
							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
NP-9	ALARM TEST

DATE 12/16/03	Drawing Title								
	ENCLOSURE								
	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-1715		
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	
								SHEET NUMBER	
								4	

## BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S242010N4X	ENCLOSURE
1a	1	EBE	A2420P	BACKPLATE
1b	1	EBE	A2420SP	DEAD FRONT
2	1	ABB	OT63E3	MAIN DISC. SWITCH
3	2	ABB	A16-30-10-84	MOTOR STARTER
4	2	ABB	TA25DU5.0	O.L. RELAY (3.5-5.0A)
5	2	ABB	S1N015TL	CB1, CB2
6	1	TIMEMARK	261DT120	ALTERNATING RELAY
7	4	ACI	JR22BL11R	RED PILOT LIGHT PTT
8	2	ACI	JR22P3M20B	HOA SWITCH
9	1	SQUARE D	9070TF150D1	TRANSFORMER
10	1	TOMAR	490S-120-R	REMOTE STROBE LIGHT
11	1	DELTA	LA603	LIGHTNING ARRESTER
12	1	SSAC	PLMU-11	PHASE MONITOR
13	2	GRASSLIN	UWZ52E	ELAPSED TIME METER
14	1	MARATHON	1323580	DISTRIBUTION BLOCK
15	2	SSAC	LLC54AA	SEAL FAIL RELAYS
16	1	ACI	JR22AN11B	PUSH BUTTON SWITCH
17				
18				
19				
20				
21				
22				
23				
24				

	Drawing Title						
	BILL OF MATERIALS						
DATE 12/16/03		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-1715	
						SHEET NUMBER 5	