
COX

Research and Technology, Inc.

DUPLEX PUMP
CONTROL PANEL
WHITEWATER HIGH SCHOOL
1 1/2 HP

Cox Research and Technology, Inc.
14697 S. Harrells Ferry Road
Baton Rouge, LA. 70816
(225) 756-3271 Fax (225) 755-1030

(QTY - 4)
CP-1656

VOLTAGE	277/480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	1.5	
FLA	3.0	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Meyers	
CATALOG NUMBER		
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 4X	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Fiberglass	(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		

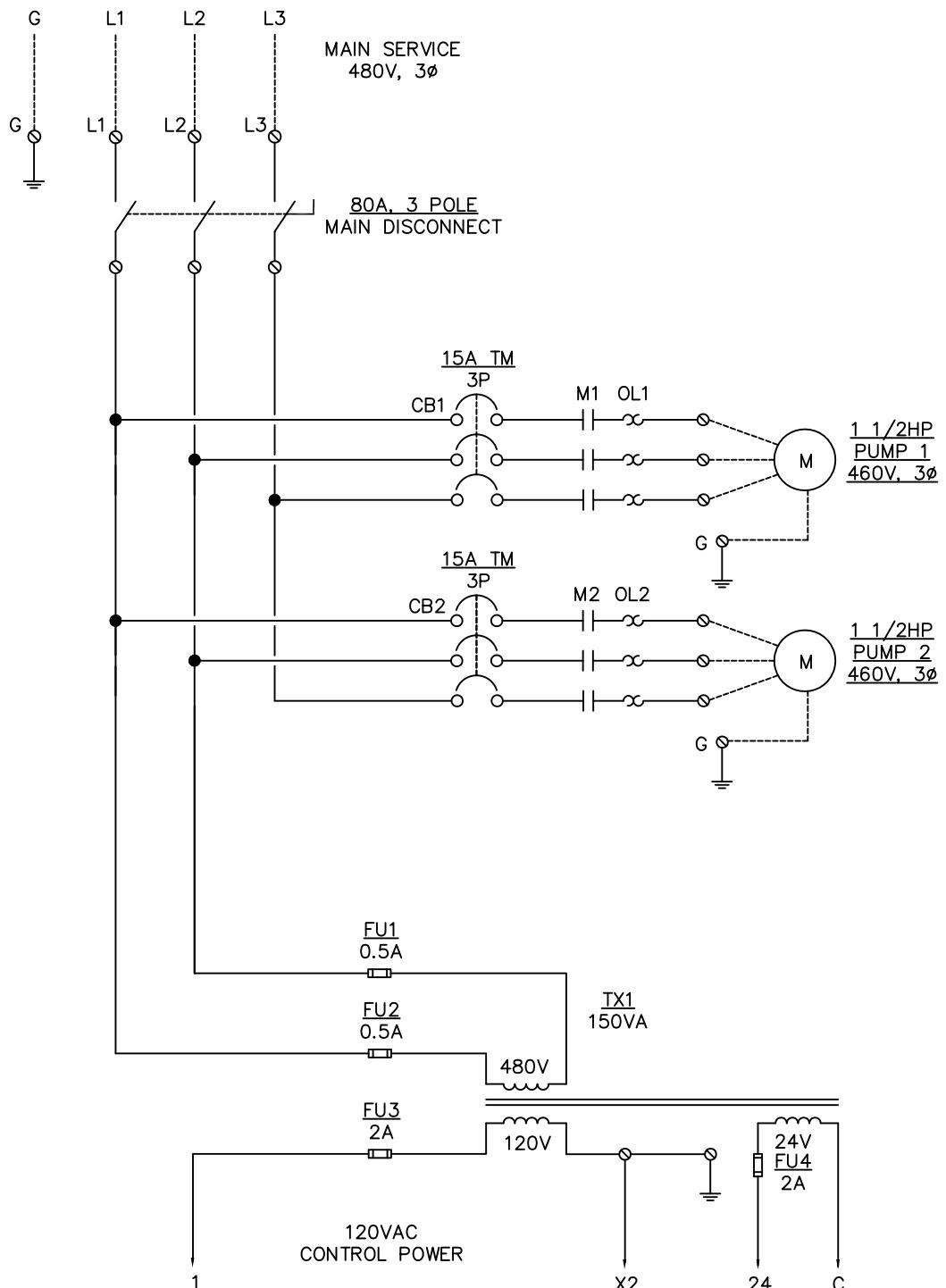
OPTIONS:

SEAL FAIL LIGHTS		(Submersible Only)
SEAL FAIL RELAYS		(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.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		

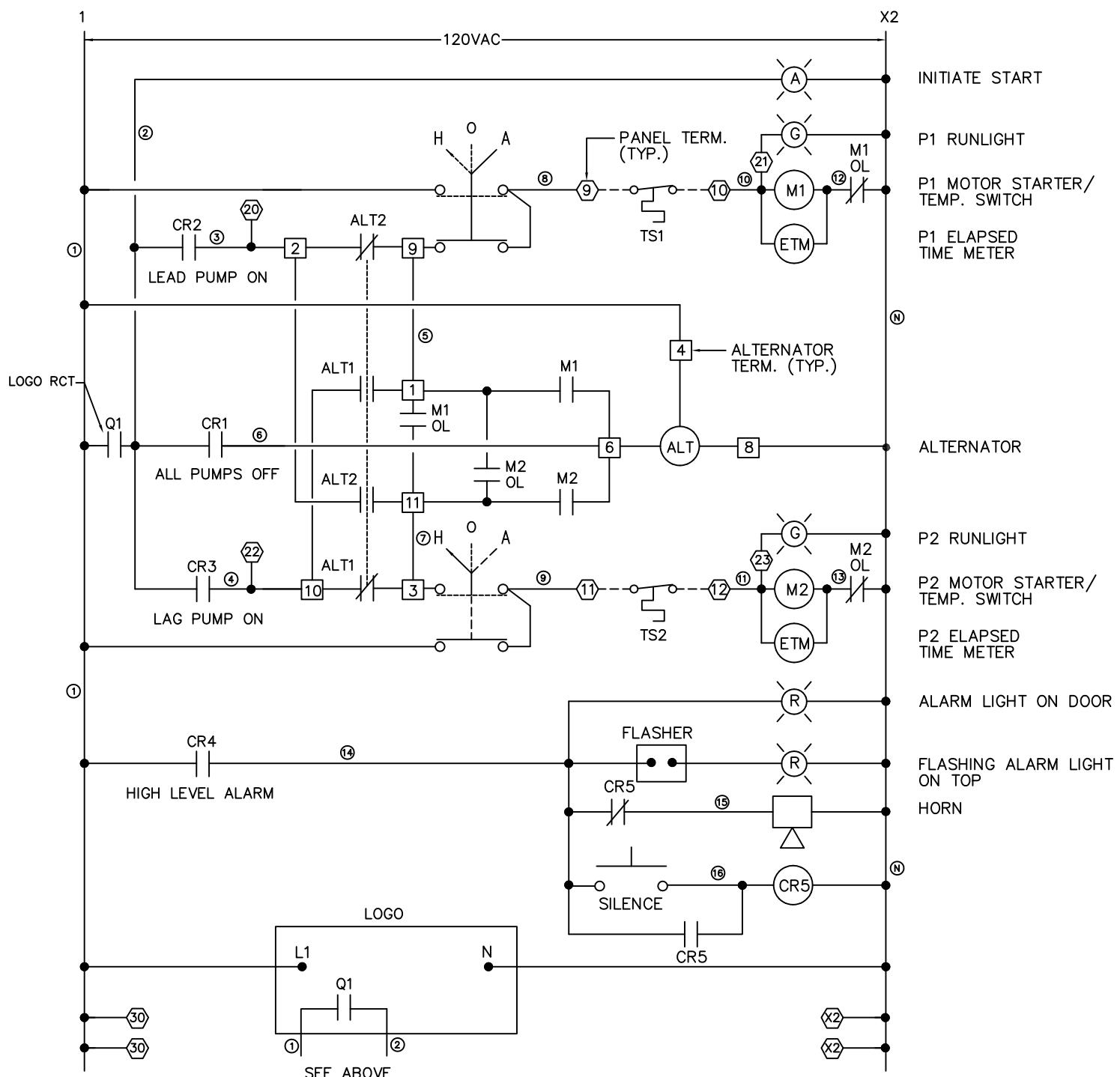
SOLD TO: Delta Environmental - Denham Springs, LA
TAG : WHITEWATER HIGH SCHOOL 1 1/2 HP

SHIP TO: Delta Environmental - Denham Springs, LA

	Drawing Title PANEL DESCRIPTION					
DATE 9/22/03	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C.RACHAL	DATE APPROVED BY DATE	
	Project Title DUPLEX PUMP CONTROL PANEL		COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1656 SHEET NUMBER 1	

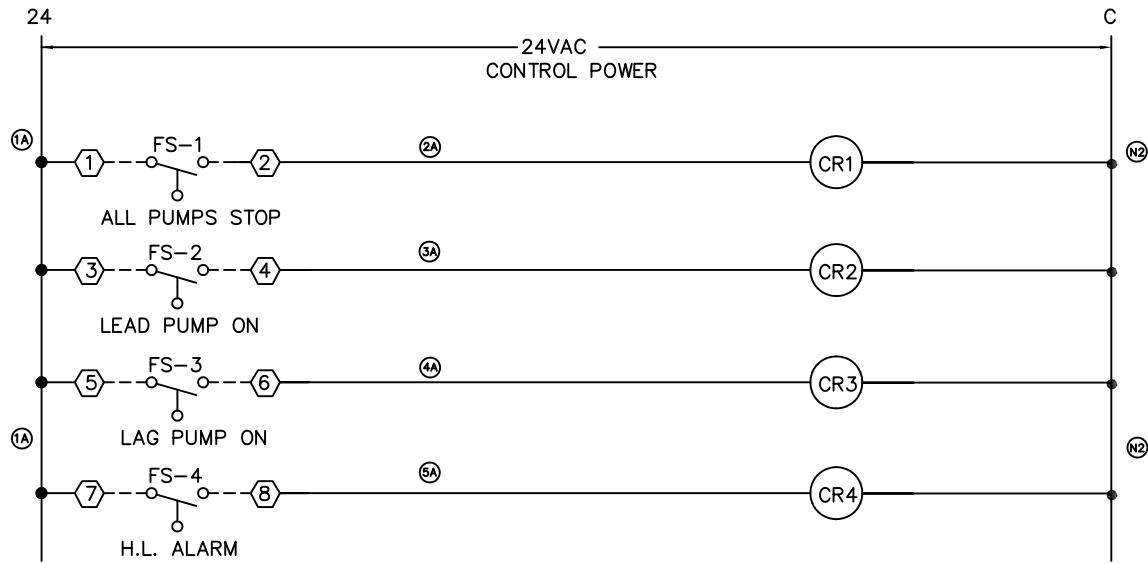


	Drawing Title						
	POWER DIAGRAM						
DATE 9/22/03	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C.RACHAL	DATE APPROVED BY DATE		
Project Title DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.				P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
					Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1656	SHEET NUMBER 2

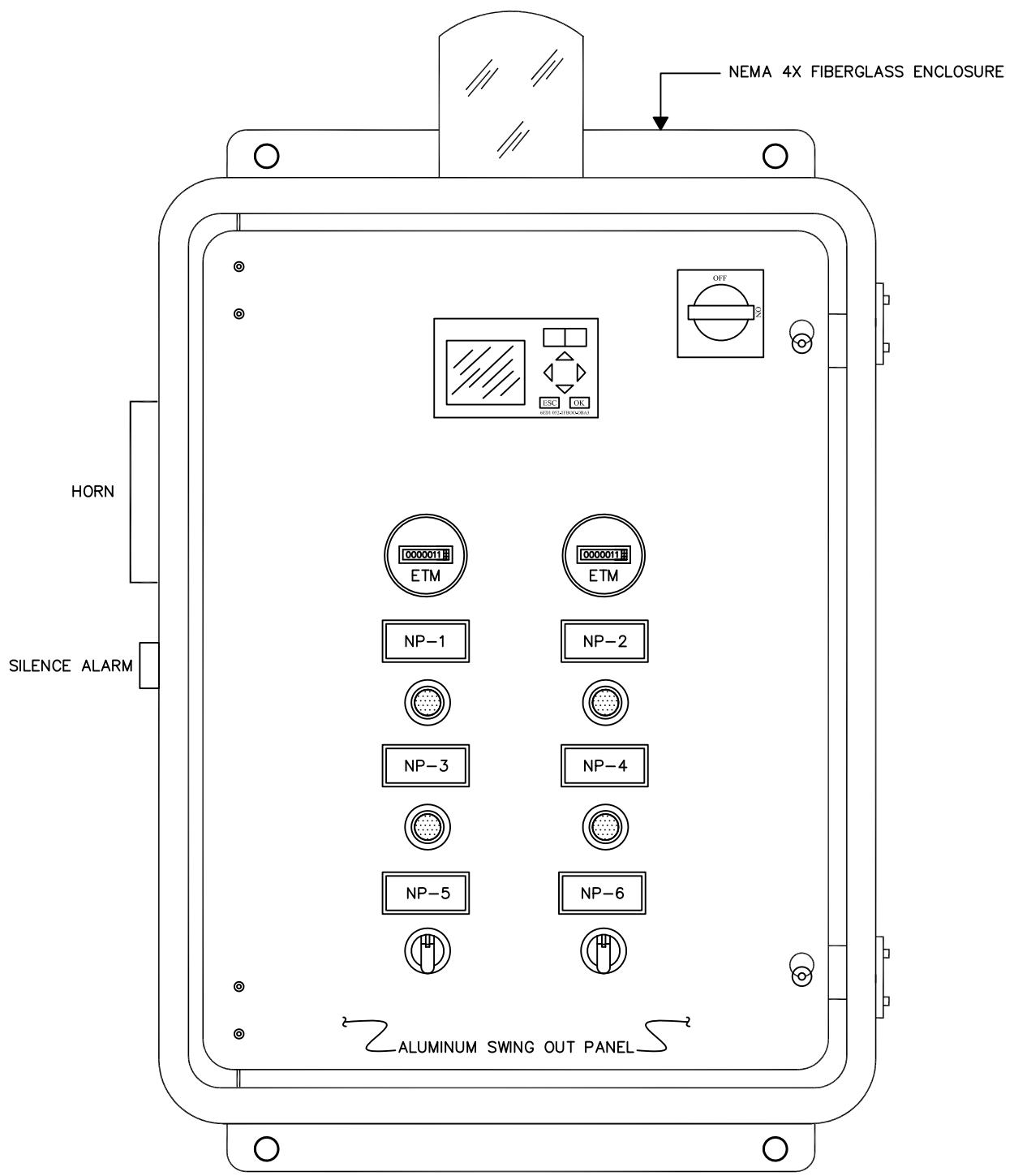


PROGRAM: WWHS

	Drawing Title CONTROL DIAGRAM							
DATE 9/22/03		REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE
	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C.RACHAL		APPROVED BY		DATE
	Project Title		<hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL						DRAWING NUMBER CP-1656	
							SHEET NUMBER 3	



	Drawing Title CONTROL DIAGRAM				
DATE 9/22/03	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY C.RACHAL	ECN	DATE APPROVED BY DATE
Project Title DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1656		
		Ph. (225)756-3271 Fax (225)756-1030	SHEET NUMBER 4		



VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

NP-1	PUMP 1 RUN
NP-2	PUMP 2 RUN
NP-3	INITIATE START
NP-4	HIGH LEVEL
NP-5	HOA
NP-6	HOA

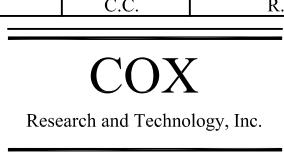
NOTE:

SEWER GASSES WILL DESTROY COMPONENTS IN PANEL.
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE
PANEL TO PREVENT ENTRY OF GASSES.

	Drawing Title					
	ENCLOSURE					
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE BY
DATE 9/22/03		S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED
			C.C.	R.C.	BY C.RACHAL	BY DATE
	Project Title				P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER
	DUPLEX PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1656
						SHEET NUMBER 5

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	ALLIED	AM24200RLDF	ENCLOSURE
1a	1	ALLIED	M2420P	BACKPLATE
2	1	ABB	OT63E3	MAIN DISC. SWITCH
3	2	ABB	A16-30-10-84	MOTOR STARTER
4	2	ABB	TA25DU4.0	O.L. RELAY (2.8-4.0A)
5	2	ABB	S1N015TL	CB1, CB2
6	1	TIMEMARK	261DT120	ALTERNATING RELAY
7	1	ACI	JR22FR	RED PILOT LIGHT
8	2	ACI	JR22P3M20B	HOA SWITCH
9	1	ABB	T4150PFS1	TRANSFORMER
10	1	AC/DC	BL5-R-120	ALARM LIGHT
11	2	ACI	JR22FG	GREEN PILOT LIGHT
12	1	ACI	JR22FY	AMBER PILOT LIGHT
13	1	EDWARDS	870P-N5	HORN
14	1	ACI	JR22AN11B	PUSH BUTTON
15	1	ABB	OHB2AJ1	DISCONNECT HANDLE
16	1	ABB	OXS5X180	DISCONNECT SHAFT
17	1	SIEMENS	230RC LOGO!	PLC
18	4	OMRON	G2R1SAC24	CR 1-4
19	1	OMRON	G2R2SAC120	CR 5
20	1	SSAC	FS126	FLASHER
21				
22				
23				
24				
25				

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	BILL OF MATERIALS								
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DATE 9/22/03			S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED		
				C.C.	R.C.	BY C.RACHAL	BY	DATE	
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	DUPLEX PUMP CONTROL PANEL						DRAWING NUMBER		
							CP-1656		
					SHEET NUMBER		6		