
COX

Research and Technology, Inc.

DUPLEX PUMP CONTROL PANEL LAGO VISTA

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

VOLTAGE	277/480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	4.7	
FLA	6.85	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	ABS	
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		

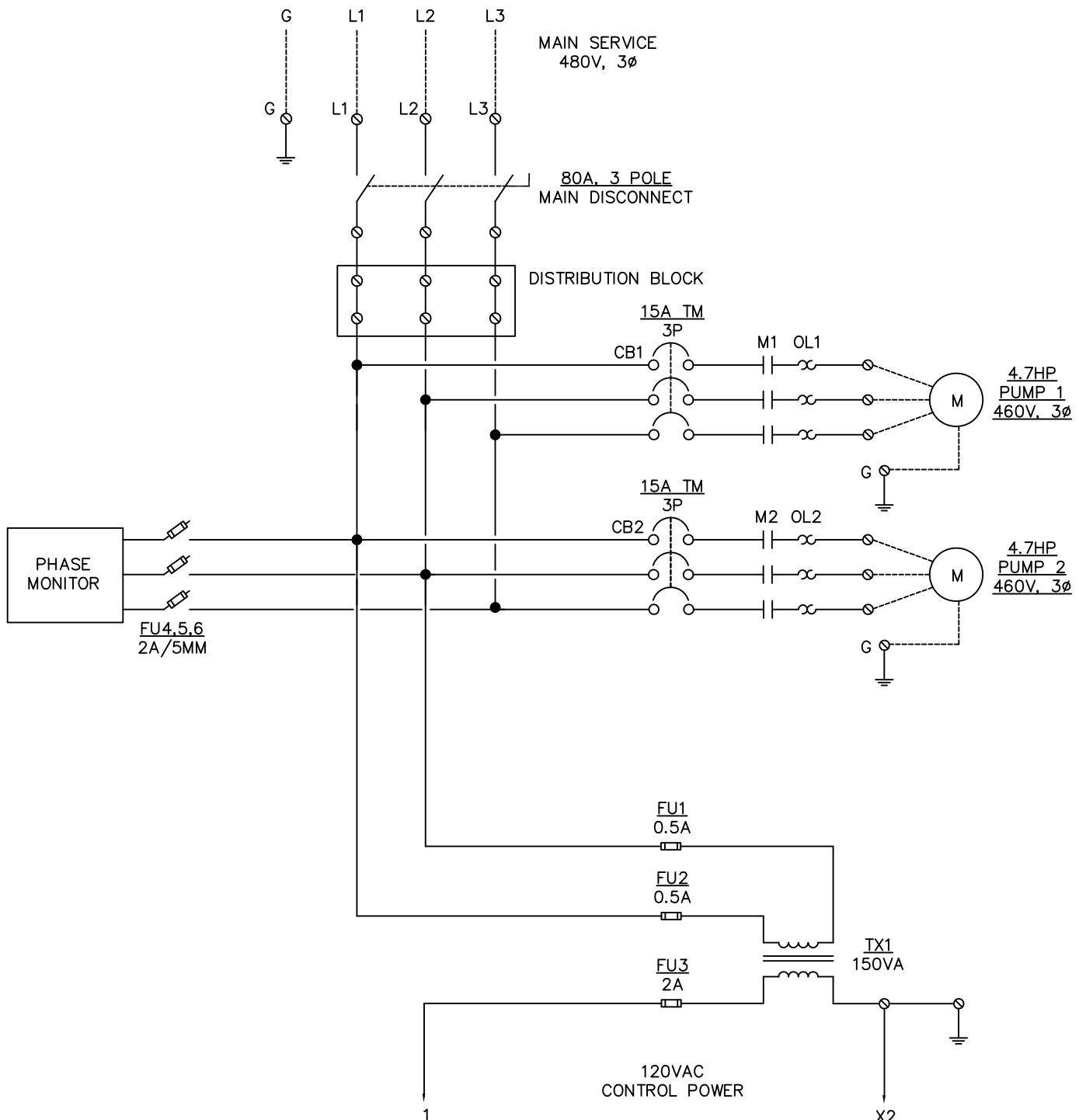
OPTIONS:

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

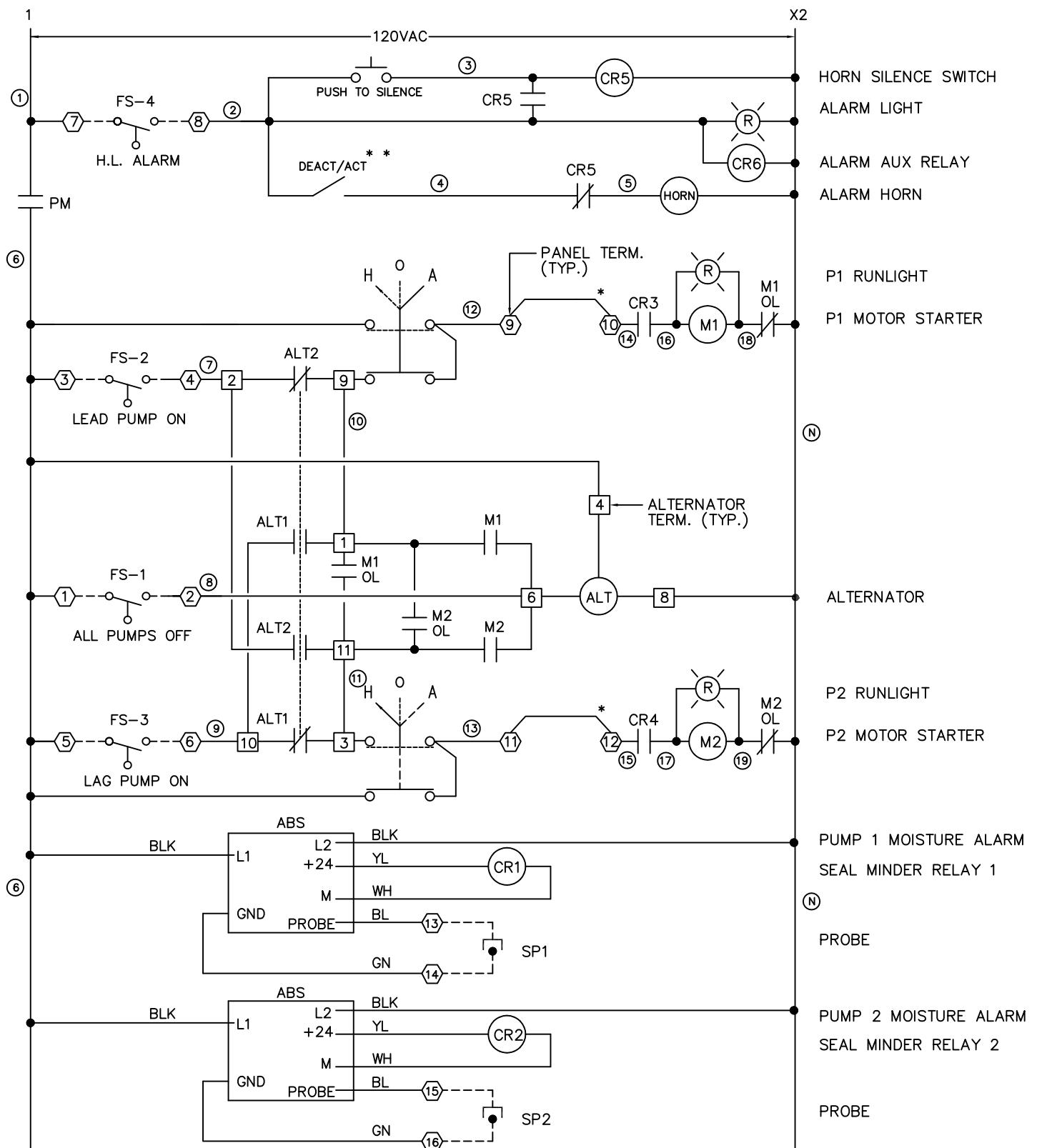
SOLD TO: CF ENGINEERED EQUIPMENT - DALLAS, TX
TAG : LAGO VISTA

SHIP TO: CF ENGINEERED EQUIPMENT - DALLAS, TX

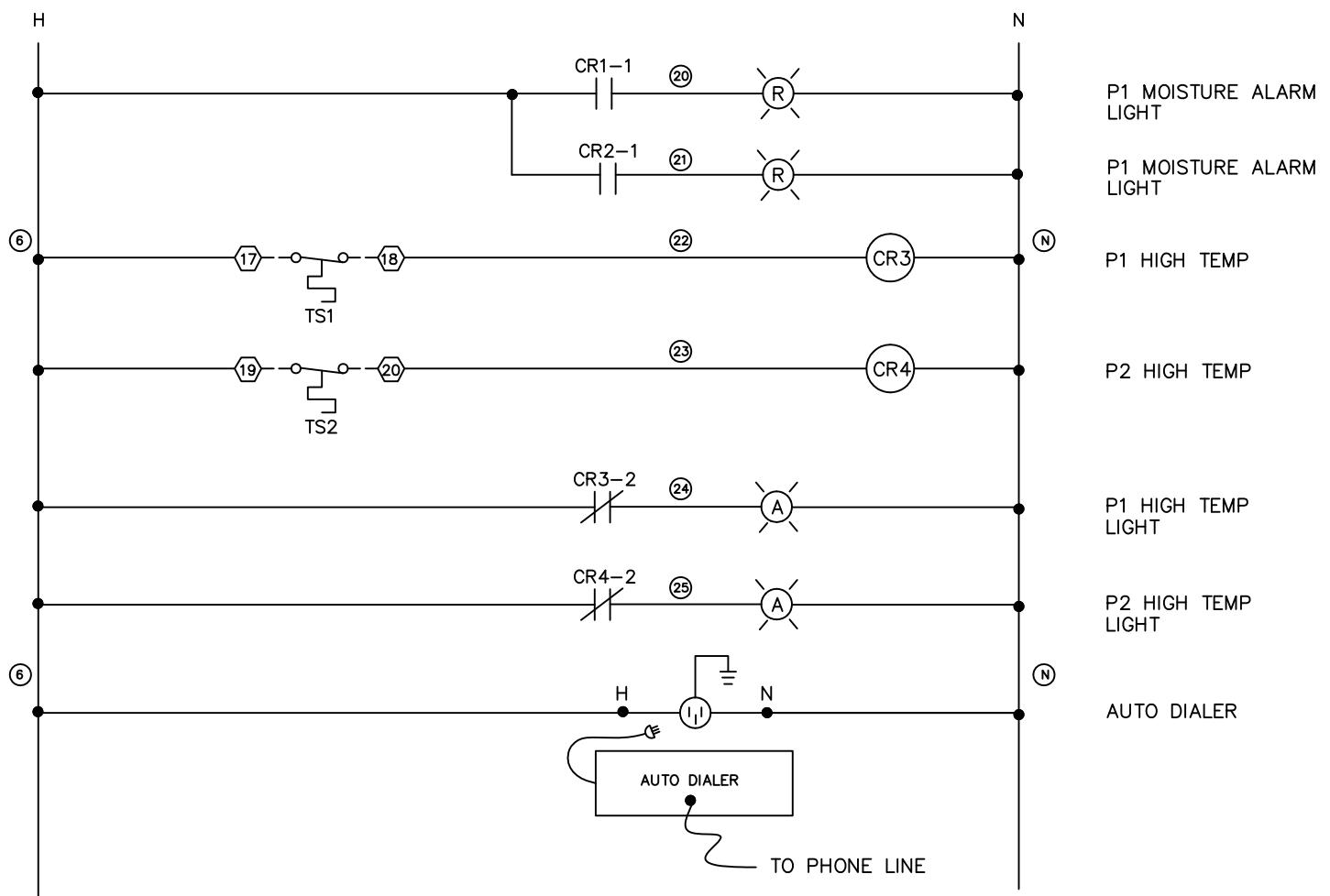
Drawing Title	PANEL DESCRIPTION		REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE	BY
						DATE APPROVED BY	DATE APPROVED BY	DATE BY
DATE 6/05/03	Project Title DUPLEX PUMP CONTROL PANEL					P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1576	
						Ph. (225)756-3271 Fax (225)756-1030	SHEET NUMBER 1	



	Drawing Title POWER DIAGRAM						
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 6/05/03		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY	DATE
	Project Title DUPLEX PUMP CONTROL PANEL		<hr/> <hr/> COX <hr/> <hr/> 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-1576		
					SHEET NUMBER 2		

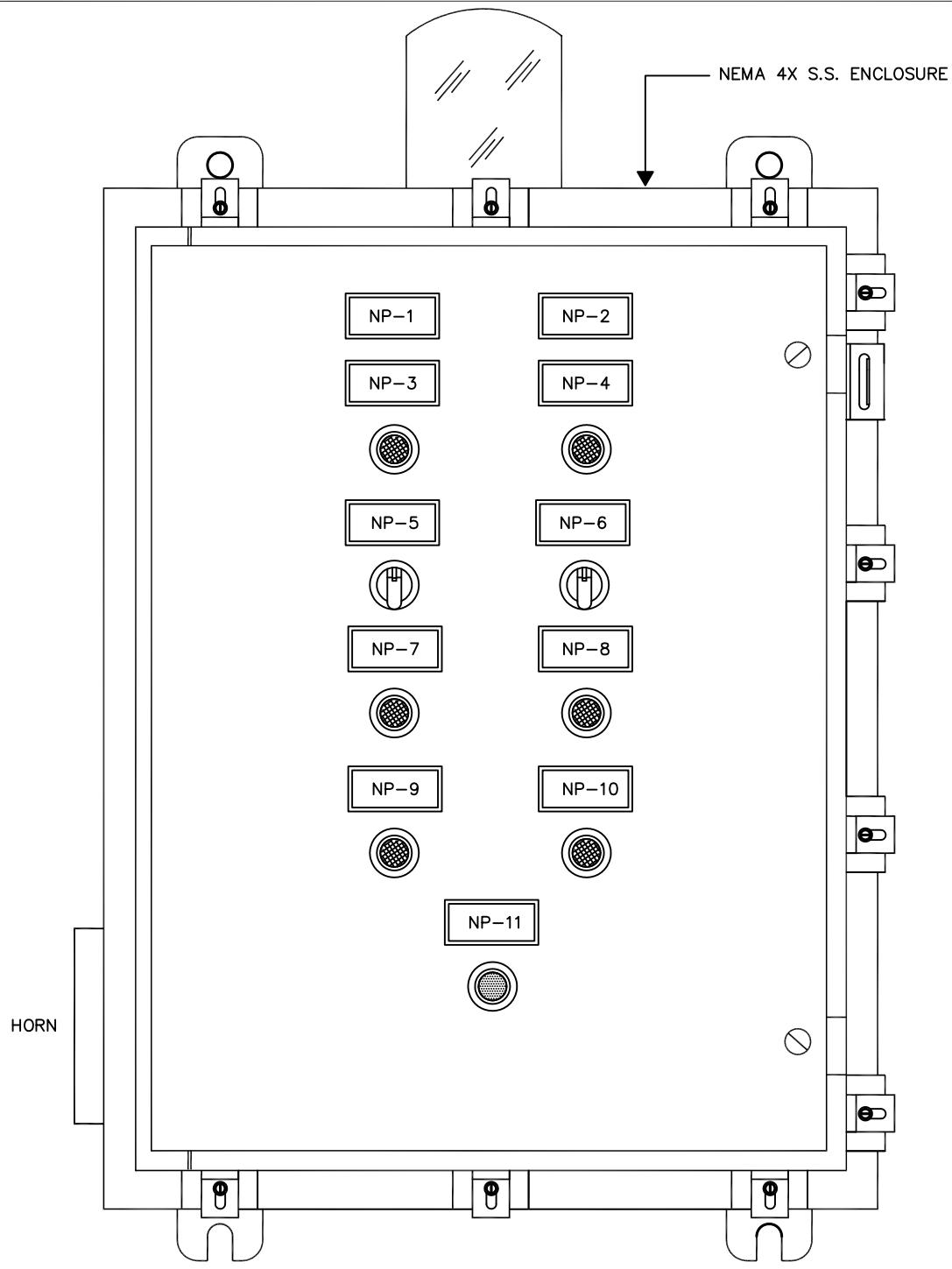


	Drawing Title	CONTROL DIAGRAM						ECN	DATE	BY
		REFERENCE DRAWING		NO.	REVISION-LOCATION					
DATE 6/05/03	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY DATE					
	Project Title						PURCHASE ORDER NUMBER			
	DUPLEX PUMP CONTROL PANEL						DRAWING NUMBER			
	COX						CP-1576			
	Research and Technology, Inc.						SHEET NUMBER			
							3			



TELEPHONE DIALER			
CHANNEL 1: PUMP 1 & 2 MOISTURE ALARM			
CHANNEL 2: HIGH WATER ALARM			
CHANNEL 3: PUMP 1 HIGH TEMP			
CHANNEL 4: PUMP 2 HIGH TEMP			

	Drawing Title CONTROL DIAGRAM			
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY C. RACHAL
DATE 6/03/03		Application Engineer R.C.		ECN APPROVED BY DATE
	Project Title DUPLEX PUMP CONTROL PANEL	<hr/> <hr/> <hr/> COX <hr/> <hr/>	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1576 SHEET NUMBER 4



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	MOISTURE
NP-8	MOISTURE
NP-9	HIGH TEMP
NP-10	HIGH TEMP
NP-11	PUSH TO SILENCE

	Drawing Title					
	ENCLOSURE					
DATE 6/05/03	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE	BY
	Sales Engineer	Application Engineer R.C.			APPROVED	
				BY	DATE	
	Project Title		P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.		DRAWING NUMBER CP-1576		
				SHEET NUMBER		
			Ph. (225)756-3271 Fax (225)756-1030	5		

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBC	S362410N4X	ENCLOSURE STAINLESS 4X
1a	1	EBC	A3624P	BACKPLATE
1b	1	EBC	A3624SP	DEAD FRONT
2	1	ABB	OT63E3	MAIN DISC. SWITCH
3	2	ABB	A26N1-30-10-84	MTR STR NEMA SIZE 1
4	2	ABB	TA25DU8.5	O.L. RELAY (6.0-8.5A)
5	2	ABB	S1N015TL	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	9070TF150D1	TRANSFORMER
10	1	AC/DC	BL5-R-120	ALARM LIGHT
11	2	ACI	JR22FY	AMBER PILOT LIGHT
12	2	ABS	61240170	SEAL MINDER RELAY
13	1	EDWARDS	870P-N5	HORN
14	2	OMRON	G2R2SAC24	CR1,2
15	4	OMRON	G2R2SAC120	CR3,4,5
16	1	MICROTEL	DIALSTAT	AUTO DIALER
17	1	SSAC	PLMU11	PHASF MONITOR
18	1	ACI	JR22AN11B	PUSH BUTTON
19	1	MARATHON		DISTRIBUTION BLOCK
20				
21				
22				
23				
24				

▲ SUPPLIED BY CFEE

	Drawing Title									
	BILL OF MATERIALS									
			REFERENCE DRAWING		NO.	REVISION-LOCATION	ECN	DATE	BY	
DATE 6/05/03			S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED			
				C.C.	R.C.	BY C. RACHAL	BY	DATE		
	Project Title		COX		P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER			
	DUPLEX PUMP CONTROL PANEL		Research and Technology, Inc.						DRAWING NUMBER	
									CP-1576	
							SHEET NUMBER			
							6			