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# COX

Research and Technology, Inc.

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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

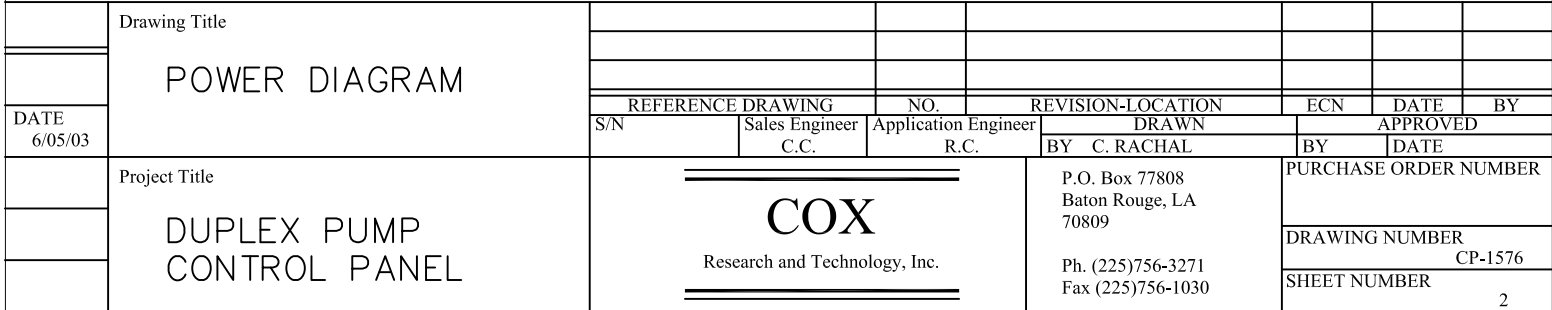
CP-1576

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		

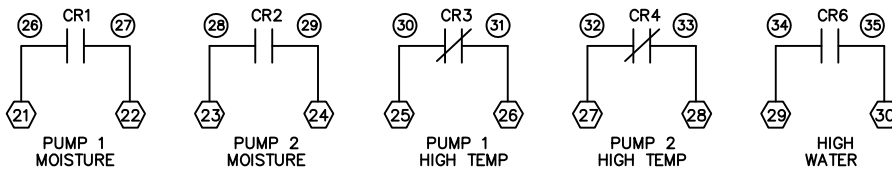
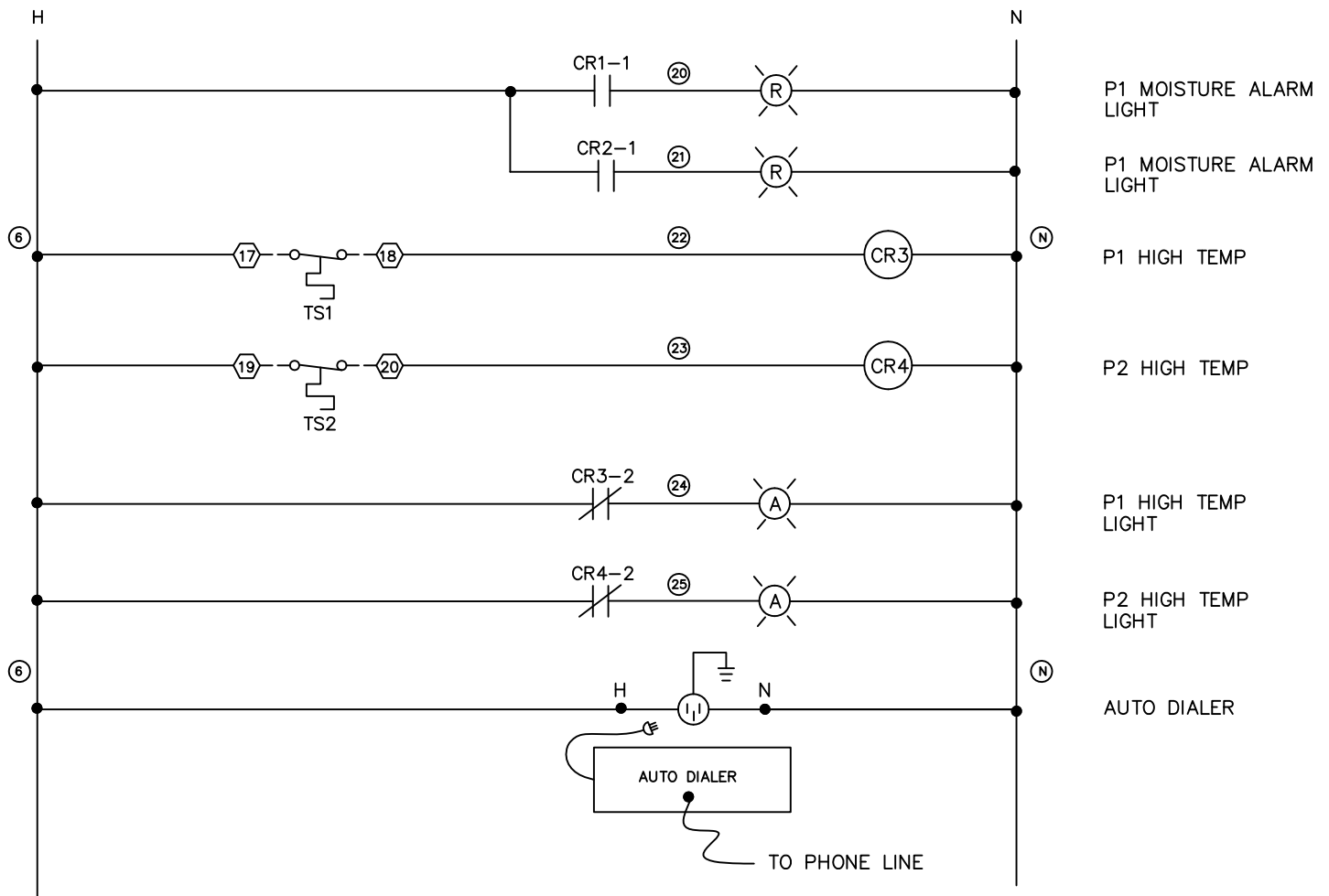
SEAL FAIL LIGHTS	X	(Submersible Only)
SEAL FAIL RELAYS	X Seal Minder	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN	X	(Self-Primer, Submersible)
ALARM HORN	X	
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER		
ELAPSED TIME METER		
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		

SHIP TO: CF ENGINEERED EQUIPMENT - DALLAS, TX  


	Drawing Title								
	PANEL DESCRIPTION								
DATE 6/05/03		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN BY	DATE	BY	
	Project Title					P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL	<div style="text-align: center;">COX Research and Technology, Inc.</div>				Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1576		
							SHEET NUMBER 1		

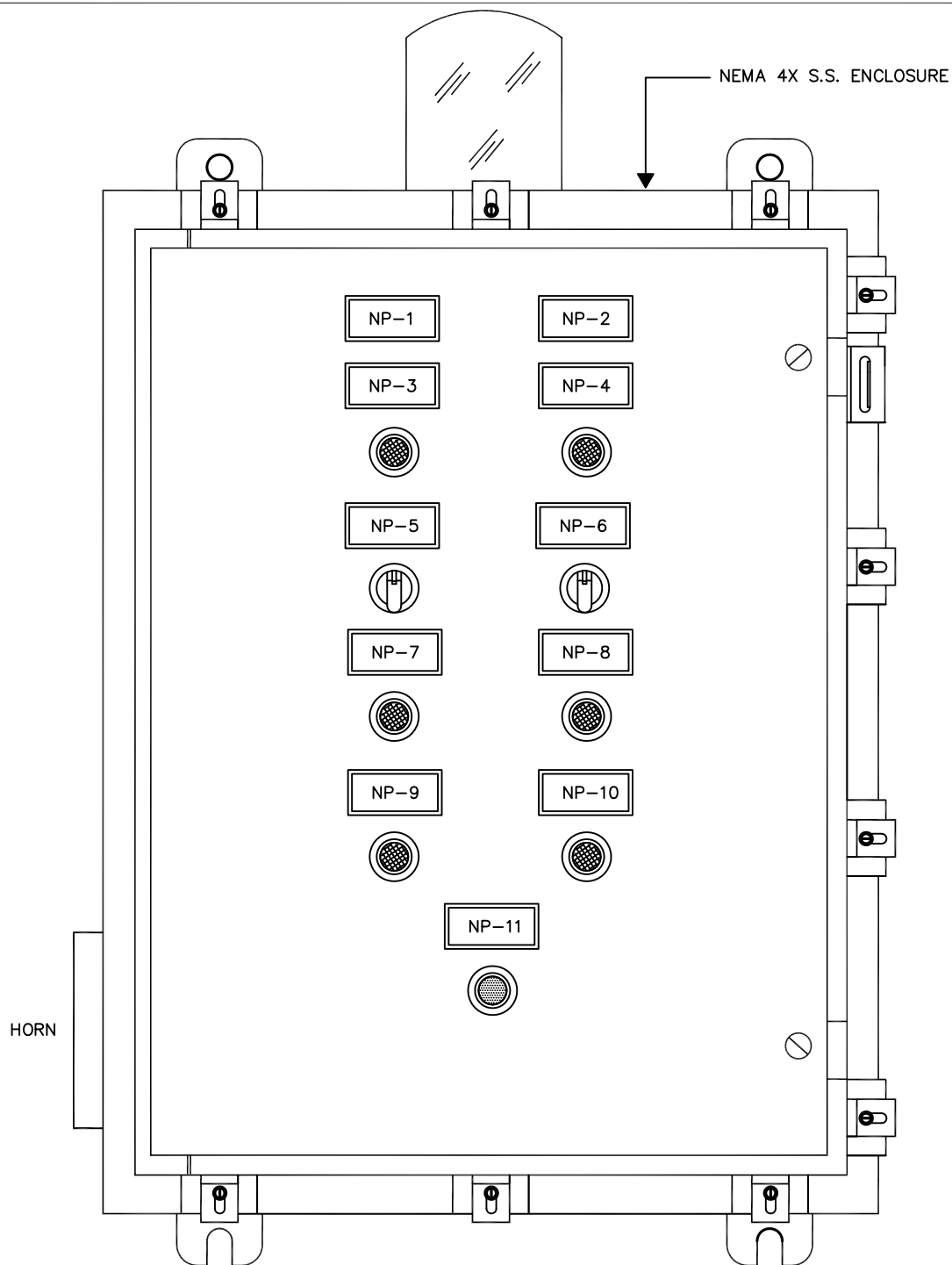






TELEPHONE DIALER	
CHANNEL 1:	PUMP 1 & 2 MOISTURE ALARM
CHANNEL 2:	HIGH WATER ALARM
CHANNEL 3:	PUMP 1 HIGH TEMP
CHANNEL 4:	PUMP 2 HIGH TEMP

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



VIEW OF SWING OUT PANEL

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

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

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

## BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S362410N4X	ENCLOSURE STAINLESS 4X
1a	1	EBE	A3624P	BACKPLATE
1b	1	EBE	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	PHASE 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						
DATE 6/05/03		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 150px;"> <b>COX</b>  <small>Research and Technology, Inc.</small> </div>			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 6
	DUPLEX PUMP CONTROL PANEL						