
COX

Research and Technology, Inc.

DUPLEX PUMP
BUBBLER
CONTROL PANEL
EUNICE WALMART

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

CP-2218

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	4	
FLA	12.4	
TYPE OF PUMP	SUB	(Self-Priming, Submersible)
MANUFACTURER	GR	
CATALOG NUMBER		

CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	3R	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	S.S.	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	Bubbler	(Floats, Bubbler, Other)
CAPACITORS	No	(Yes, No)
CAPACITOR WIRING FIGURE		
THERM. & SEAL FAIL WIRING FIGURE		

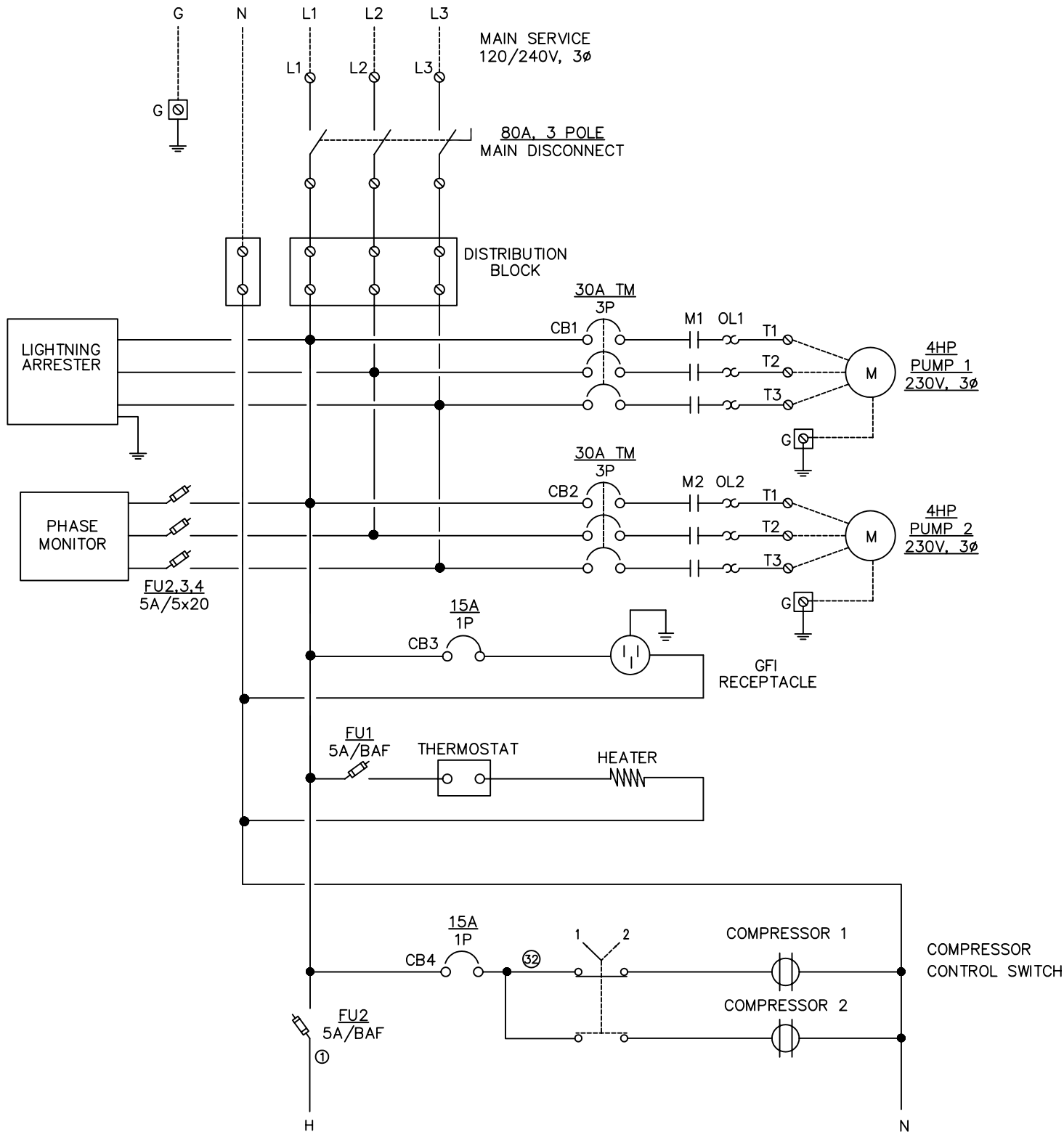
OPTIONS:

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

SOLD TO: Delta Process - Ruston, LA
TAG : EUNICE WALMART

SHIP TO: Delta Process - Ruston

	Drawing Title						
	PANEL DESCRIPTION						
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
12/08/05		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY CTR	APPROVED 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)755-1030		PURCHASE ORDER NUMBER DRAWING NUMBER CP-2218 SHEET NUMBER 1
	DUPLEX PUMP CONTROL PANEL						



	Drawing Title								
	POWER DIAGRAM								
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY		
12/08/05		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL		APPROVED		
	Project Title							PURCHASE ORDER NUMBER	
	CONTROL PANEL							DRAWING NUMBER	CP-2218
								SHEET NUMBER	2

MAIN SERVICE
120/240V, 3Ø

80A, 3 POLE
MAIN DISCONNECT

DISTRIBUTION
BLOCK

30A TM
3P

CB1

M1

OL1

T1

T2

T3

M

4HP
PUMP 1
230V, 3Ø

30A TM
3P

CB2

M2

OL2

T1

T2

T3

M

4HP
PUMP 2
230V, 3Ø

15A
1P

CB3



GFI
RECEPTACLE

FU1
5A/BAF

THERMOSTAT

HEATER

15A
1P

CB4

1

2

COMPRESSOR 1

COMPRESSOR 2

COMPRESSOR
CONTROL SWITCH

FU2
5A/BAF

H

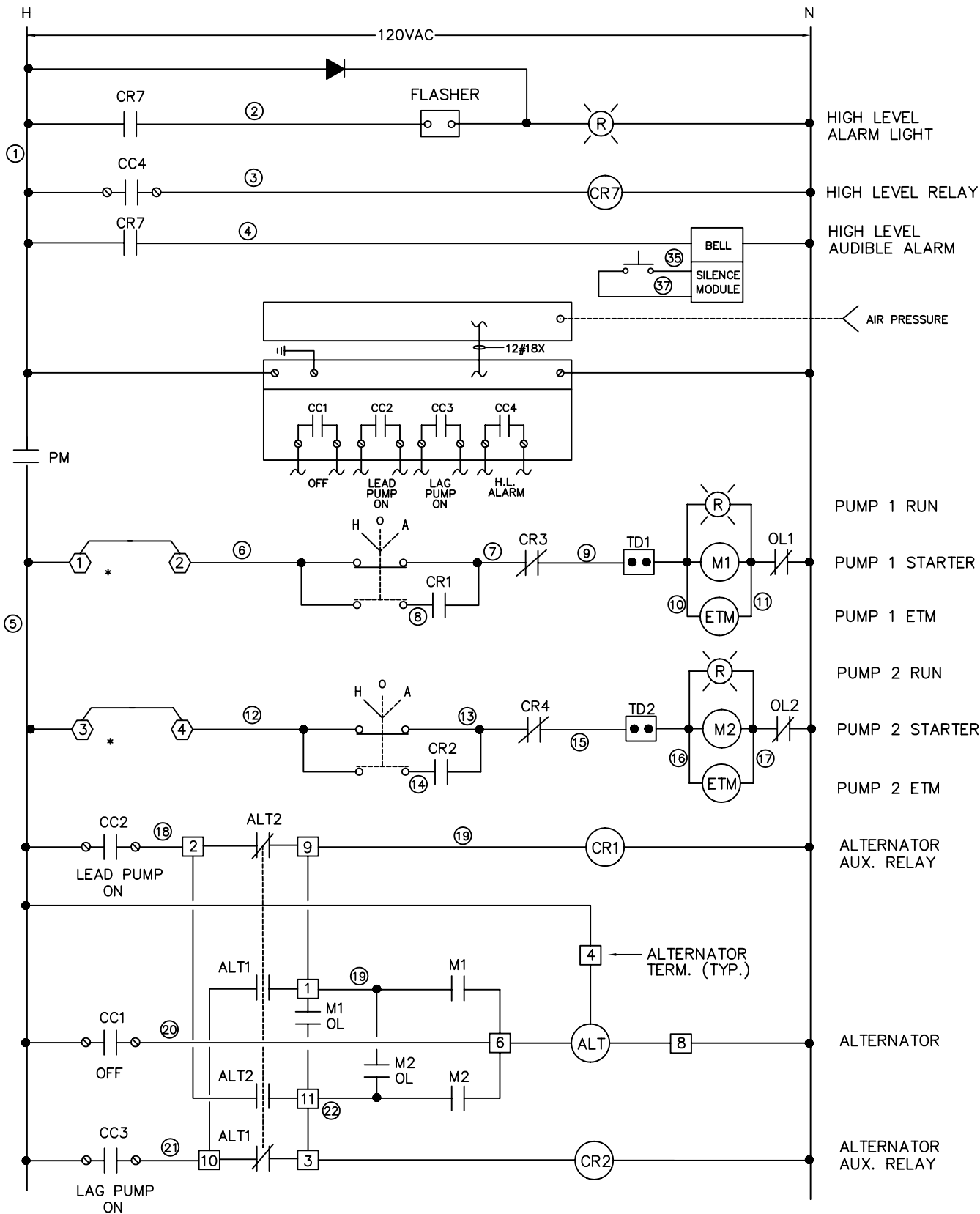
N

COX

Research and Technology, Inc.

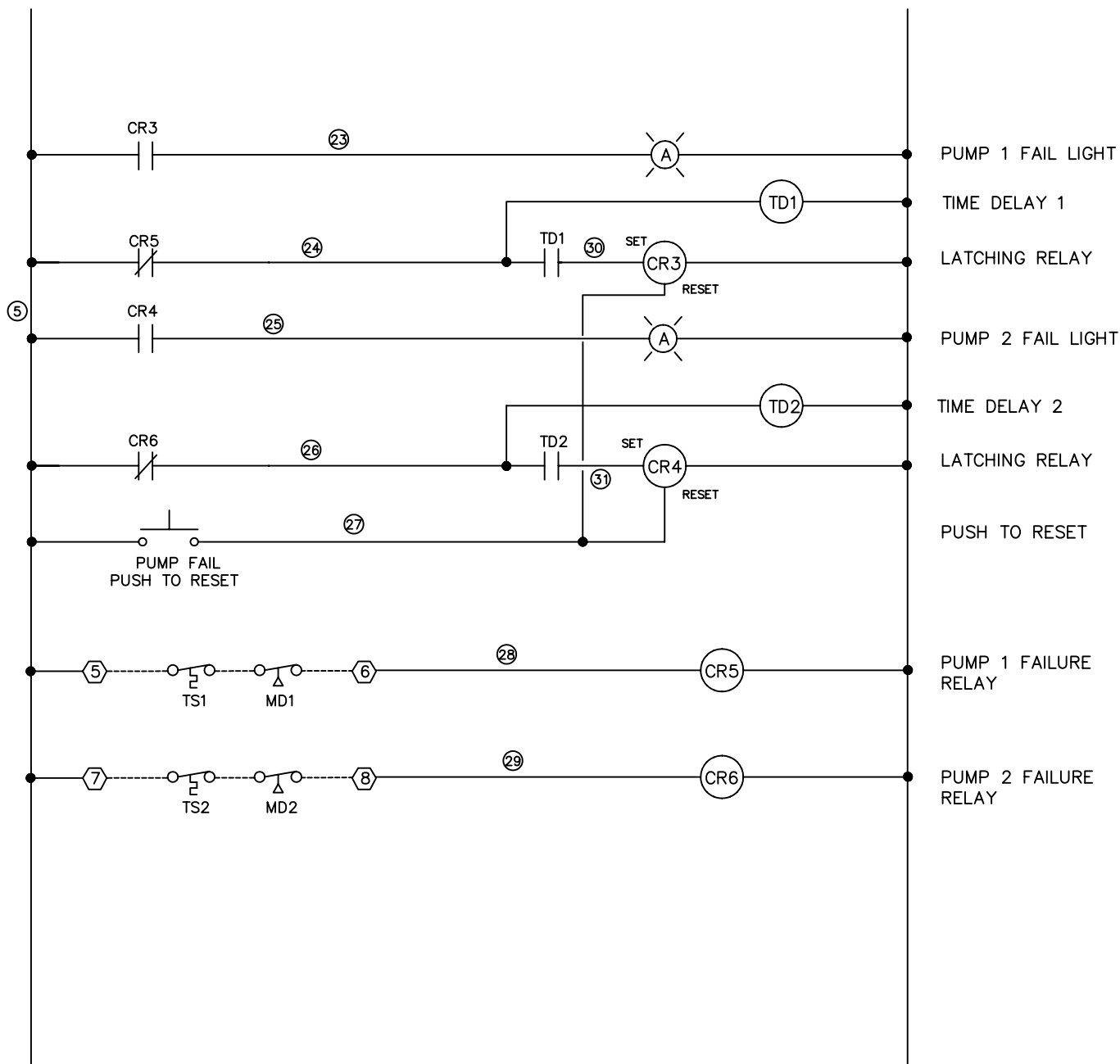
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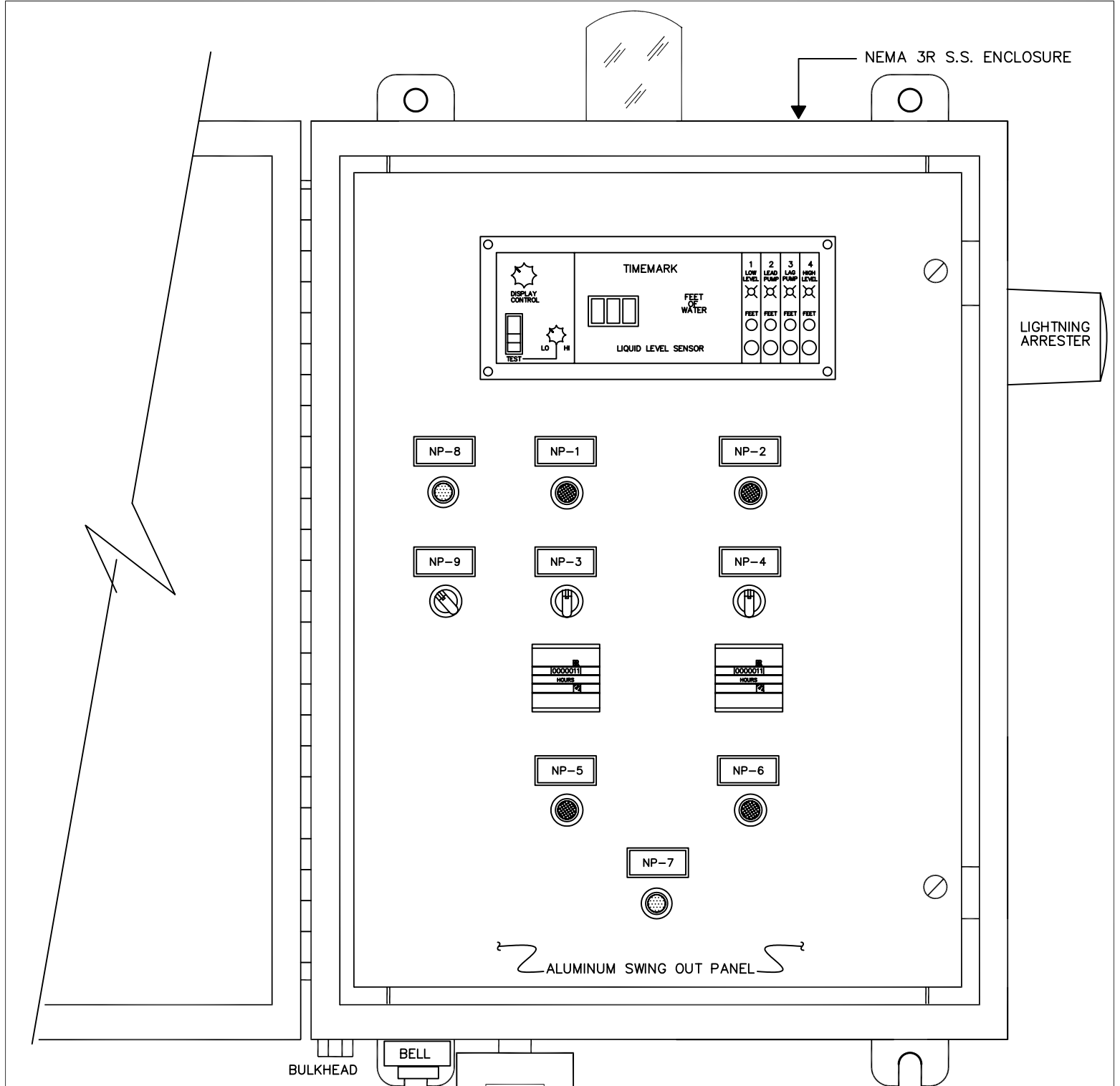


* REMOVE JUMPER & INSTALL
LOCKOUT DEVICES IF REQUIRED

Drawing Title	CONTROL DIAGRAM										
DATE 12/08/05						REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
Project Title		DUPLIX PUMP CONTROL PANEL					Sales Engineer C.C.	Application Engineer R.C.	DRAWN		APPROVED
							BY	CTR	BY	DATE	PURCHASE ORDER NUMBER
							COX		P.O. Box 77808 Baton Rouge, LA 70809		DRAWING NUMBER CP-2218
							Research and Technology, Inc.		Ph. (225)756-3271 Fax (225)755-1030		SHEET NUMBER 3



	Drawing Title								
	CONTROL DIAGRAM								
DATE 12/08/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY CTR	ECN	DATE	BY	APPROVED
	Project Title	<div>COX</div> <div>Research and Technology, Inc.</div>				P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL					Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2218		
							SHEET NUMBER 4		



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 RUN
NP-2	PUMP 2 RUN
NP-3	HOA
NP-4	HOA
NP-5	PUMP FAIL
NP-6	PUMP FAIL
NP-7	PUMP FAIL/RESET
NP-8	PUSH TO SILENCE
NP-9	COMP1-COMP 2

DATE 12/08/05	Drawing Title							
	ENCLOSURE							
	Project Title							
	DUPLEX PUMP CONTROL PANEL		<div>COX</div> Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030		PURCHASE ORDER NUMBER DRAWING NUMBER CP-2218 SHEET NUMBER 5	
REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN		DATE
S/N		Sales Engineer C.C.		Application Engineer R.C.		DRAWN BY CTR		APPROVED BY
								DATE

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	C&I	C-362412SRH	ENCLOSURE
1a	1	C&I	CI-3624P	BACKPLATE
1b	1	C&I	CI-A3624P	DEAD FRONT
2	2	ABB	A26N1-30-10-84	STARTER
3	2	ABB	TA25DU14	O.L. (10-14A)
4	2	SQUARE D	QOU330	CIRCUIT BREAKER
5	1	SSAC	PLMU11	PHASE MONITOR
6	1	SQUARE D	QOU115	CB3
7	1	TIMEMARK	404	CONTROLLER
8	1	TIMEMARK	448	RELAY BOARD
9	1	TIMEMARK	261DT120	ALTERNATOR
10	2	REDINGTON	711-0190	ETM
11	2	MAGNECRAFT	W388AMLCPX-9	CR3,4
12	5	IDEC	RU2SA110	CR1,2,5,6,7
13	2	INGRAM	HR10WB3	COMPRESSOR
14	2	OMRON	H3YN2AC120	T.D. RELAYS
15	2	ACI	JR22FR	RED LIGHT
16	2	ACI	JR22P3M20B	HOA
17	2	ACI	JR22AN11B	P.B.
18	2	ACI	JR22FY	AMBER LIGHT
19	2	INGRAM	HR10WB3 MTBKT	COMPRESSOR BRACKET
20	1	MARATHON	1323580	DIST. BLOCK
21	1	MARATHON	1321580	NEUTRAL BLOCK
22	1	SSAC	FS126RC	FLASHER
23	1	INGRAM	PW120AB	BELL
24	1	INGRAM	SM120A	SILENCE MODULE
25	1	DAYTON	4BA54	HEATER
26	1	SAGINAW	SCE-TESRED	THERMOSTAT
27	1	AC/DC	BL5-R-120	ALARM LIGHT
28	1	DELTA	LA603	LIGHTNING ARRESTER

	Drawing Title							
	<h3 style="margin: 0;">BILL OF MATERIALS</h3>							
DATE 12/08/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY	CTR	APPROVED BY	DATE
		<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 100px;"> <h2 style="margin: 0;">COX</h2> <p style="margin: 0; font-size: small;">Research and Technology, Inc.</p> </div>		<p style="font-size: x-small; margin: 0;">P.O. Box 77808 Baton Rouge, LA 70809</p> <p style="font-size: x-small; margin: 0;">Ph. (225)756-3271 Fax (225)755-1030</p>		<p style="font-size: x-small; margin: 0;">PURCHASE ORDER NUMBER</p> <hr/> <p style="font-size: x-small; margin: 0;">DRAWING NUMBER CP-2218</p> <hr/> <p style="font-size: x-small; margin: 0;">SHEET NUMBER 6</p>		
	Project Title	<h3 style="margin: 0;">DUPLEX PUMP CONTROL PANEL</h3>						