
COX

Research and Technology, Inc.

DUPLEX PUMP CONTROL PANEL TURNAGE ENVIRONMENTAL

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

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	30	
FLA	68.8	
TYPE OF PUMP	Self-Priming	(Self-Priming, Submersible)
MANUFACTURER	Gorman Rupp	
CATALOG NUMBER		
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	3R	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Stainless Steel	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	Bubbler	(Floats, Bubbler, Other)
CAPACITORS	No	(Yes, No)
CAPACITOR WIRING FIGURE		
THERM. & SEAL FAIL WIRING FIGURE		

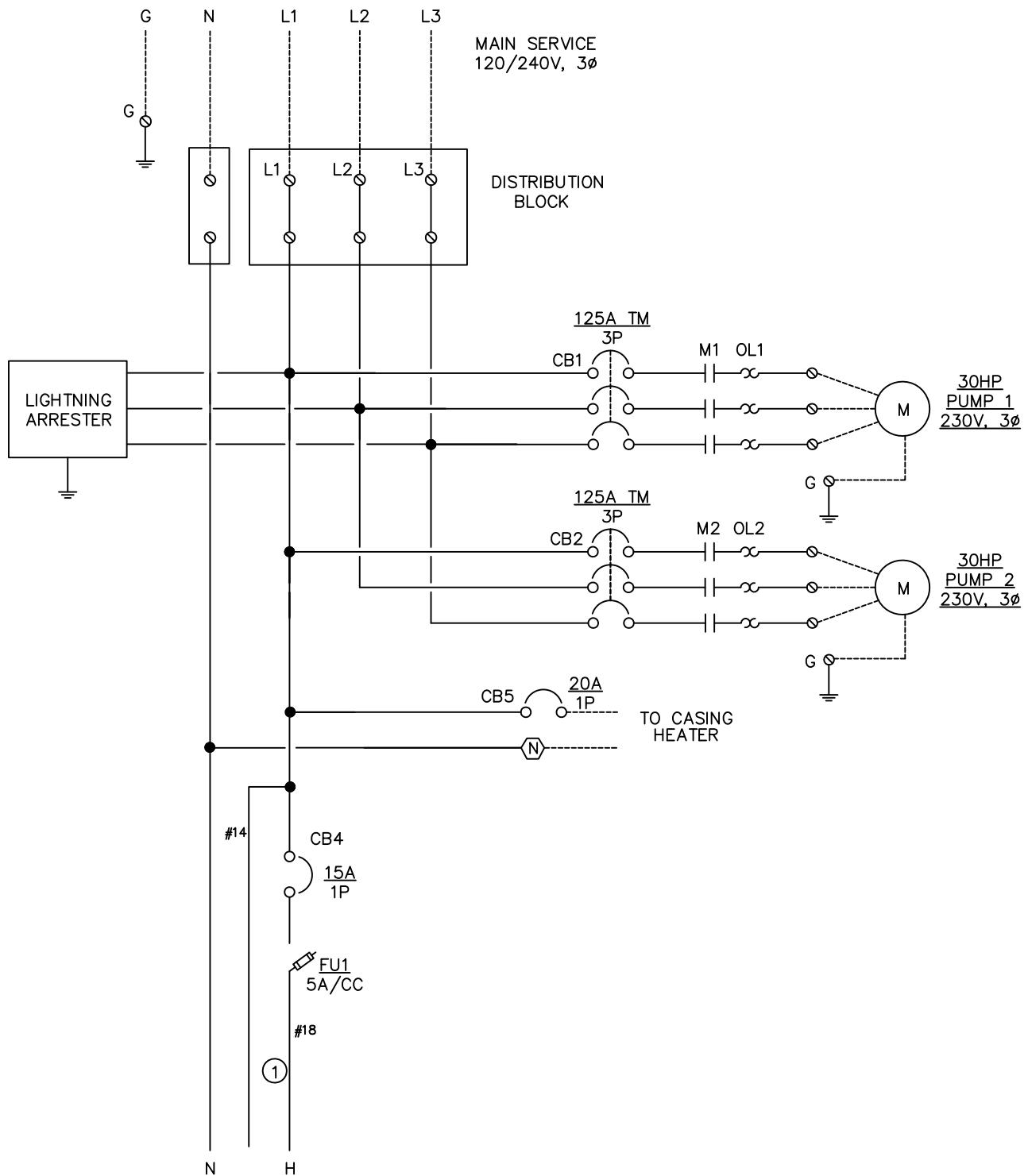
OPTIONS:

SEAL FAIL LIGHTS		(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	X	
ELAPSED TIME METER		
PHASE MONITOR		
NEMA RATED STARTERS		
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET	X (Lights Only)	
ECONOMY VERSION	X	

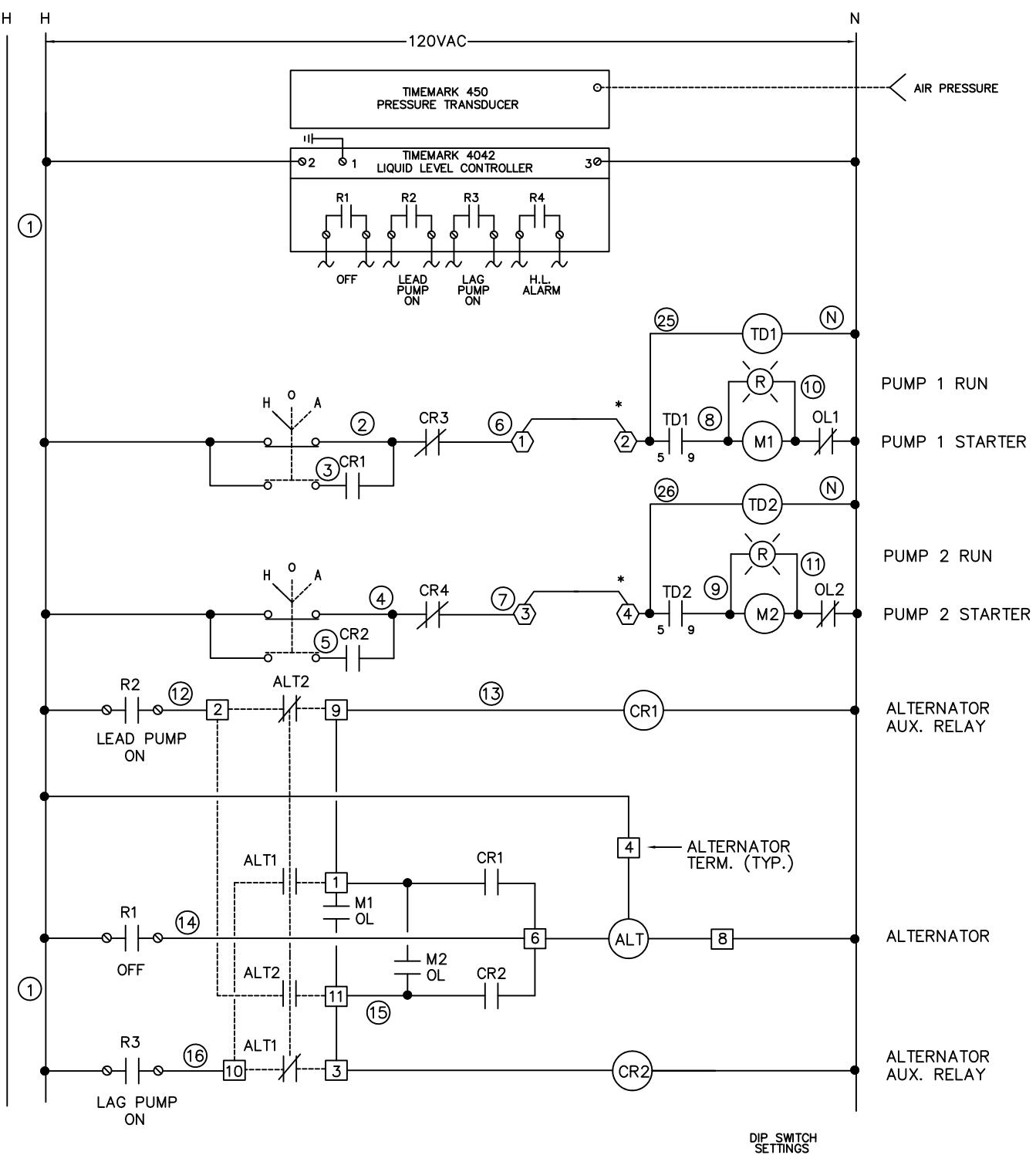
SOLD TO: Delta Process - Ruston, LA
TAG : Turnage Environmental

SHIP TO: Delta Process - Ruston

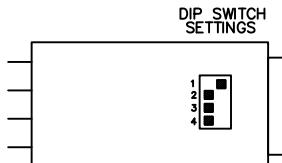
	Drawing Title						
	PANEL DESCRIPTION						
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 9/09/03		S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	
			C.C.	R.C.	BY CTR	BY	DATE
	Project Title	<u>COX</u> Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1652	
						SHEET NUMBER 1	

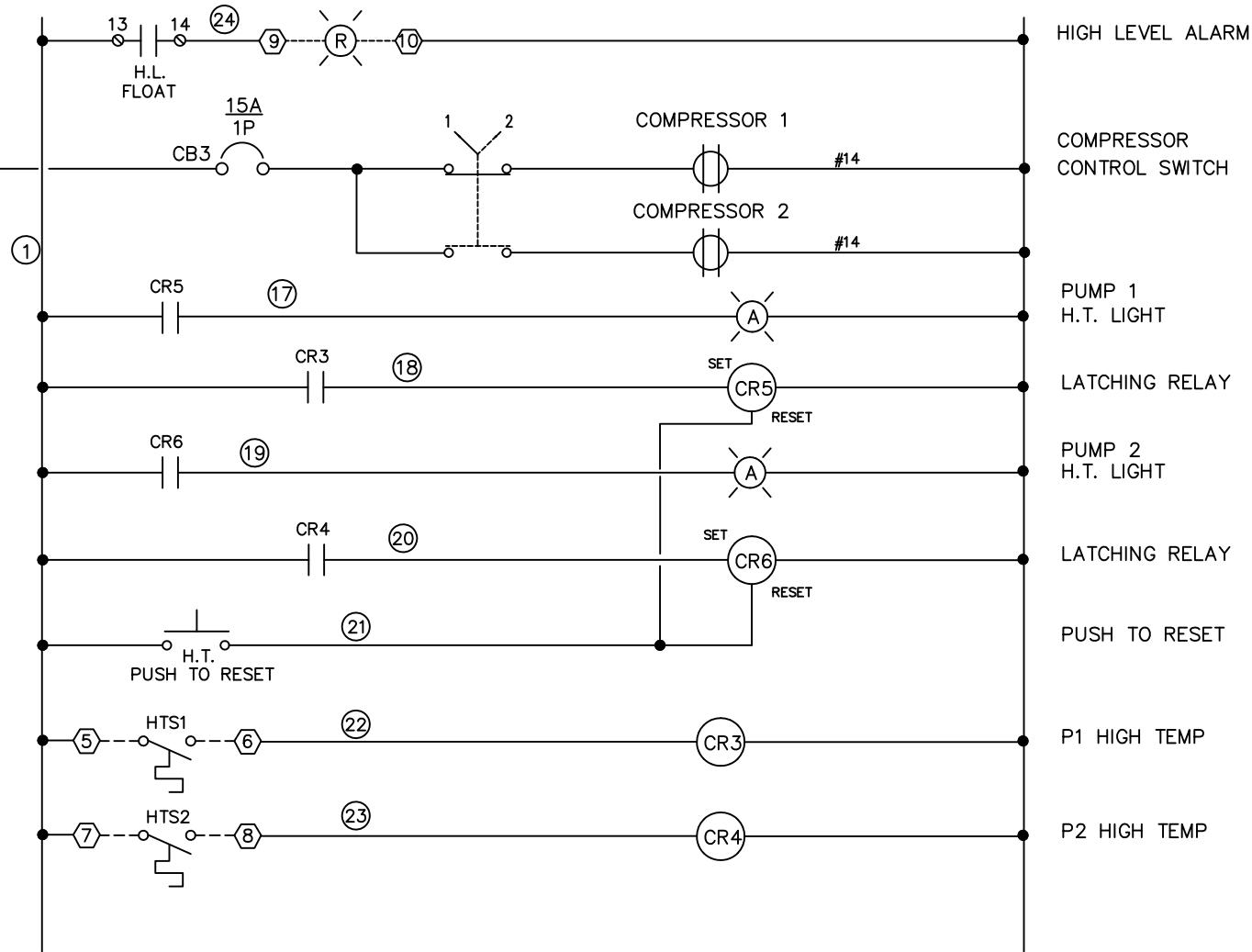


	Drawing Title POWER DIAGRAM				
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY CTR	ECN APPROVED BY DATE
DATE 9/09/03		Application Engineer R.C.			
	Project Title DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1652 SHEET NUMBER 2	



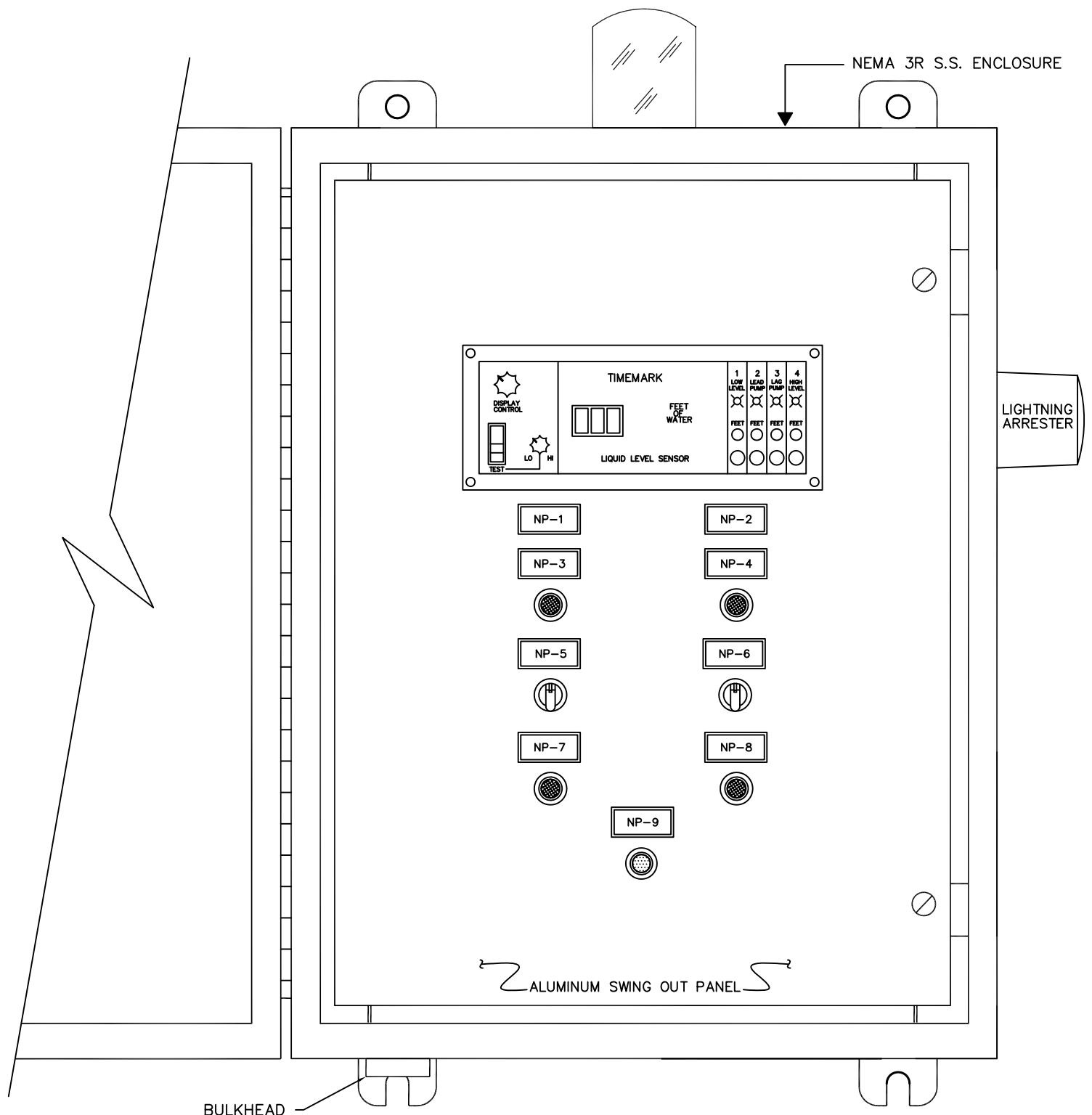
* REMOVE JUMPER & INSTALL
LOCKOUT DEVICES IF REQUIRED





HIGH TEMP: AUTO RESET FOR PUMP/MANUAL RESET FOR LIGHTS

	Drawing Title CONTROL DIAGRAM				
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY CTR	ECN APPROVED BY DATE
DATE 9/09/03		Application Engineer R.C.			
	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-1652 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 GASES.

NAMEPLATE SCHEDULE								
NP-1	PUMP 1							
NP-2	PUMP 2							
NP-3	RUN							
NP-4	RUN							
NP-5	HOA							
NP-6	HOA							
NP-7	HIGH TEMP							
NP-8	HIGH TEMP							
NP-9	HIGH TEMP/RESET							

	Drawing Title						
	ENCLOSURE						
DATE 9/09/03	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY CTR	ECN	DATE	BY	
	Sales Engineer	Application Engineer R.C.					APPROVED BY DATE
	Project Title DUPLEX PUMP CONTROL PANEL	<hr/> <hr/> <hr/> COX <hr/> <hr/> <hr/> Research and Technology, Inc. <hr/> <hr/> <hr/>			PURCHASE ORDER NUMBER DRAWING NUMBER CP-1652 SHEET NUMBER 5		

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S363012REPL	ENCLOSURE 3R S.S.
1a	1	EBE	3630P	BACKPLATE
1b	1	EBE	A3630SP	DEAD FRONT
2	2	ABB	A75-30-11-84	STARTER (80A)
3	2	ABB	TA25DU80	O.L. (60-80A)
4	2	ABB	S3N125TW	CB1,2
5	1	SQUARE D	QOU120	CB5
6	2	SQUARE D	QOU115	CB3,4
7	1	TIMEMARK	4042	LIQUID LEVEL CONTROLLER
8	1	TIMEMARK	450	PRESSURE TRANSDUCER
9	1	TIMEMARK	261DT120	ALTERNATOR
10	2	MAGNACRAFT	W388AMLCPX-9	CR5,6
11	3	OMRON	G2R2SAC120	CR1,2,3,4
12	2	INGRAM	HR10WB3	COMPRESSOR
13	1	AC/DC	BL5-R-120	LIGHT
14	2	ACI	JR22FR	RED LIGHT
15	2	ACI	JR22P3M20B	HOA
16	1	ACI	JR22AN11B	P.B.
17	2	ACI	JR22FY	AMBER LIGHT
18	2	INGRAM	HR10WB3 MTBK	COMPRESSOR BRACKET
19	1	BUSSMANN	16371-3	DIST. BLOCK
20	1	BUSSMANN	16371-1	DIST. BLOCK
21	1	CH	CHSA03	LIGHTNING ARRESTER
22	2	OMRON	H3YN-2	TD1,2
23				
24				

	Drawing Title							
	BILL OF MATERIALS							
			REFERENCE DRAWING		NO.	REVISION-LOCATION	ECN	DATE
DATE 9/09/03			S/N	Sales Engineer	Application Engineer	DRAWN	BY	APPROVED
				C.C.	R.C.	BY CTR	BY	DATE
	Project Title		COX		PURCHASE ORDER NUMBER DRAWING NUMBER CP-1652 SHEET NUMBER 6			
	DUPLEX PUMP CONTROL PANEL		Research and Technology, Inc.					