
COX

Research and Technology, Inc.

TRIPLEX PUMP
CONTROL PANEL
OAK HARBOR
LIFT STATION #20

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

CP-2117

VOLTAGE	277/480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	3	
HP	30	
FLA	36	
TYPE OF PUMP	Self Priming	(Self-Priming, Submersible)
MANUFACTURER	Gorman Rupp	
CATALOG NUMBER		
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 3R	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Painted Steel	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR		(Floats, Bubbler, Other)
CAPACITORS	No	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

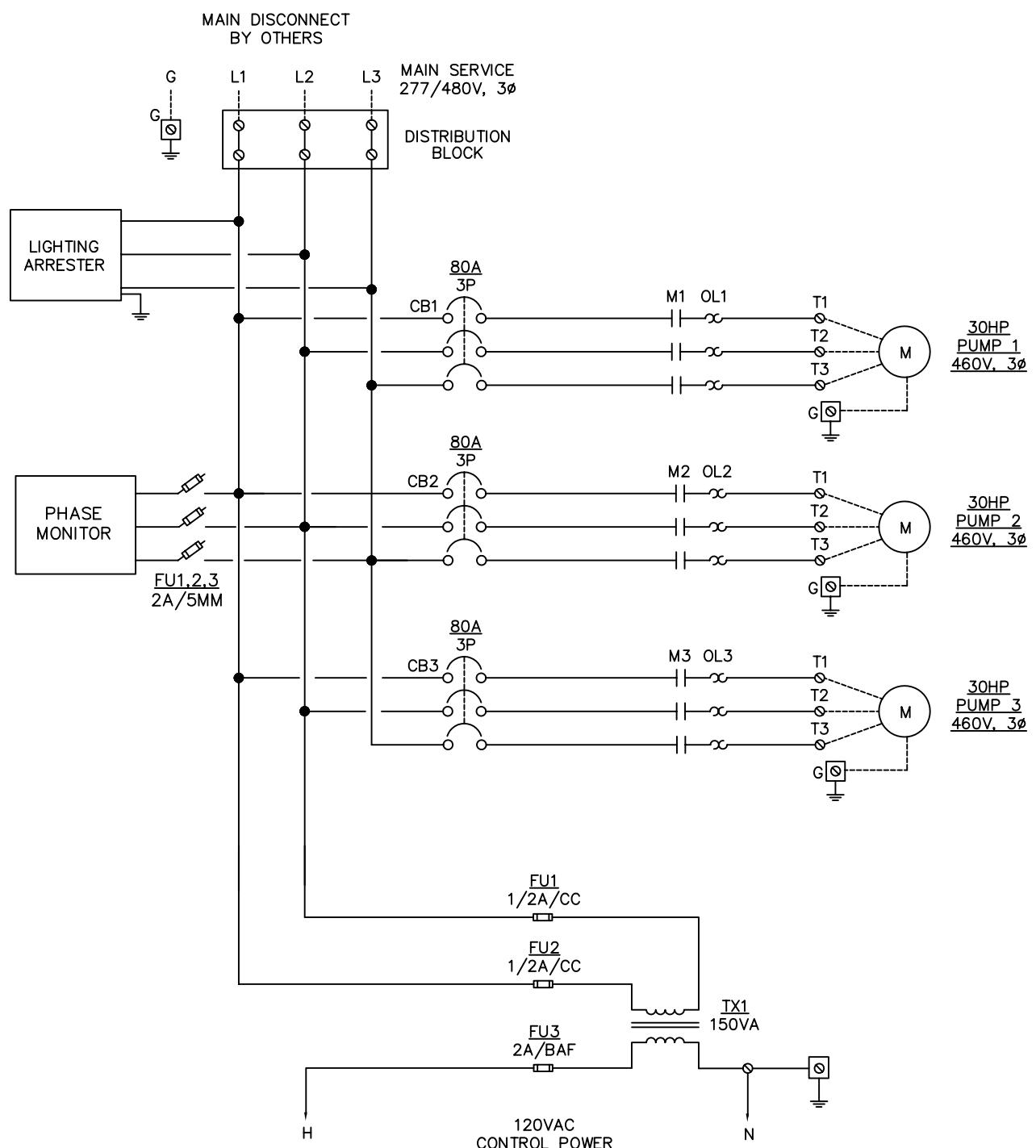
OPTIONS:

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

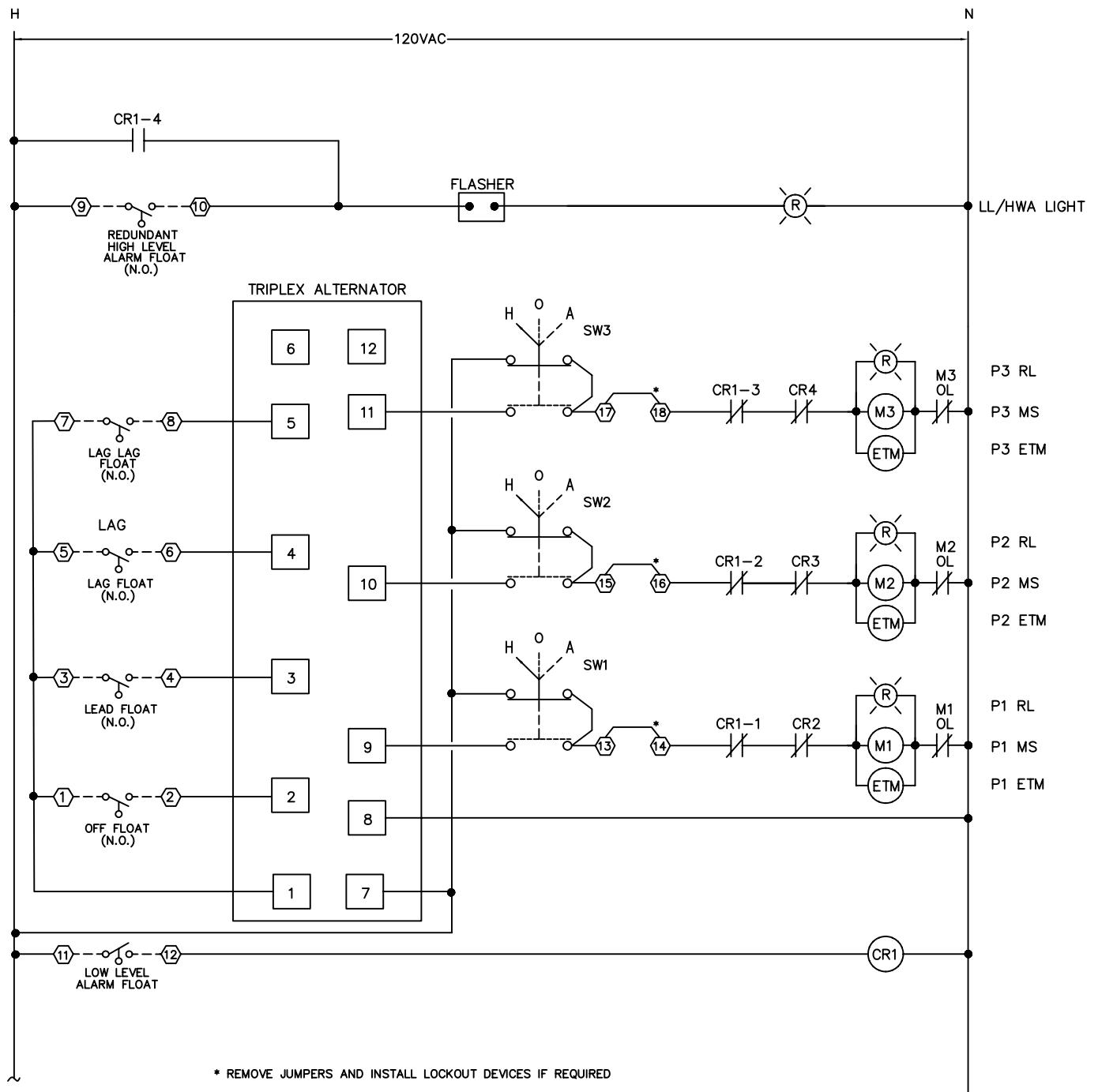
SOLD TO: Delta Process - New Orleans, LA
 TAG : Oak Harbor #20

SHIP TO: Delta Process - Denham Springs, LA

Drawing Title	PANEL DESCRIPTION						ECN	DATE	BY
	REFERENCE DRAWING		NO.	REVISION-LOCATION					
DATE 8/02/05	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED				
	C.C.		R.C.	BY CTR	BY				
Project Title	<hr/> COX <hr/> Research and Technology, Inc. <hr/>						PURCHASE ORDER NUMBER		
TRIPLEX PUMP CONTROL PANEL	P.O. Box 77808 Baton Rouge, LA 70809						DRAWING NUMBER		
	Ph. (225)756-3271 Fax (225)755-1030						CP-2117		
							SHEET NUMBER		
							1		



	Drawing Title POWER DIAGRAM								
DATE 8/02/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY CTR	ECN BY	DATE APPROVED BY	BY	BY
	Project Title TRIPLEX PUMP CONTROL PANEL			COX Research and Technology, Inc.			PURCHASE ORDER NUMBER DRAWING NUMBER CP-2117 SHEET NUMBER 2		

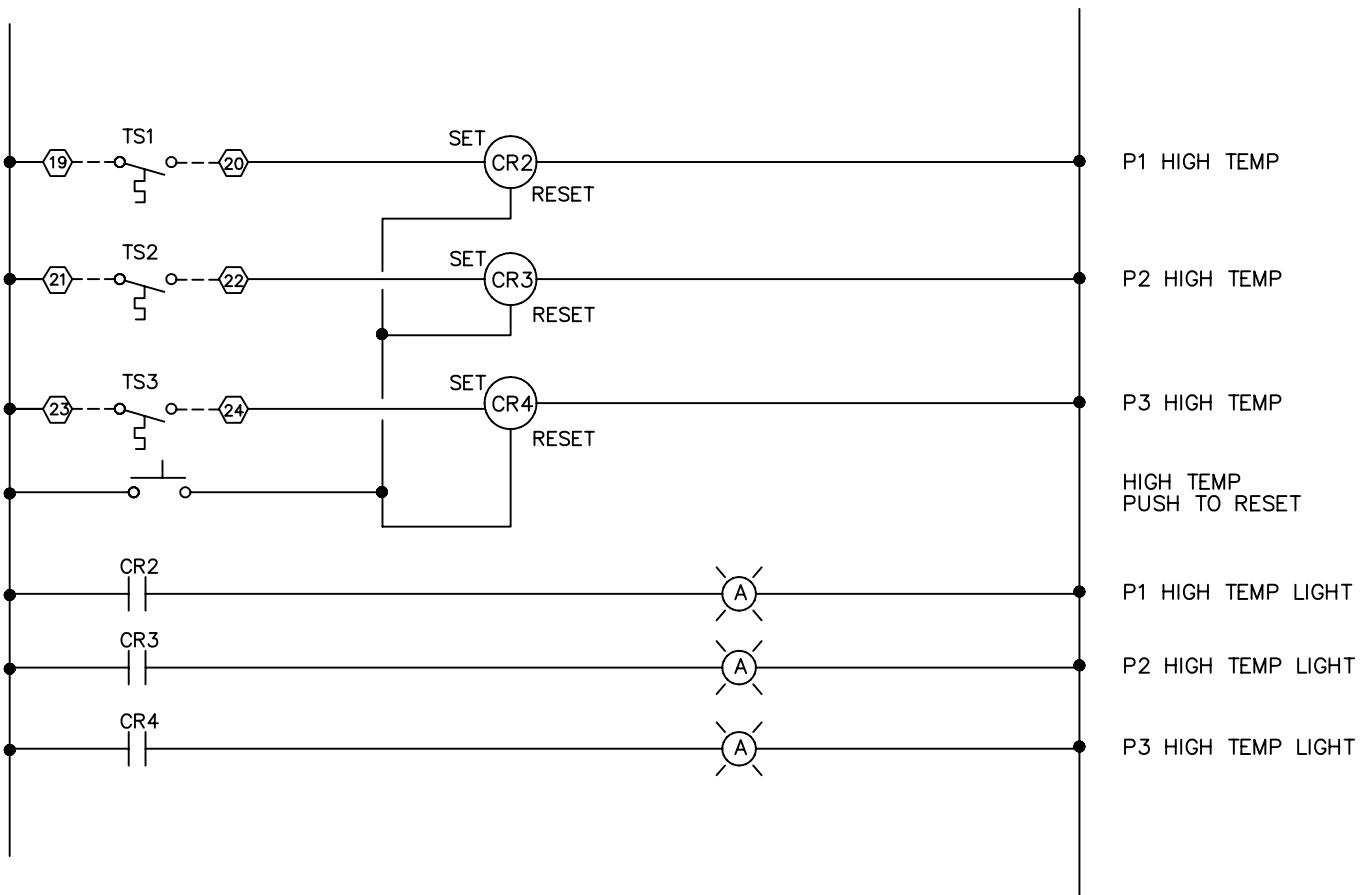


Drawing Title

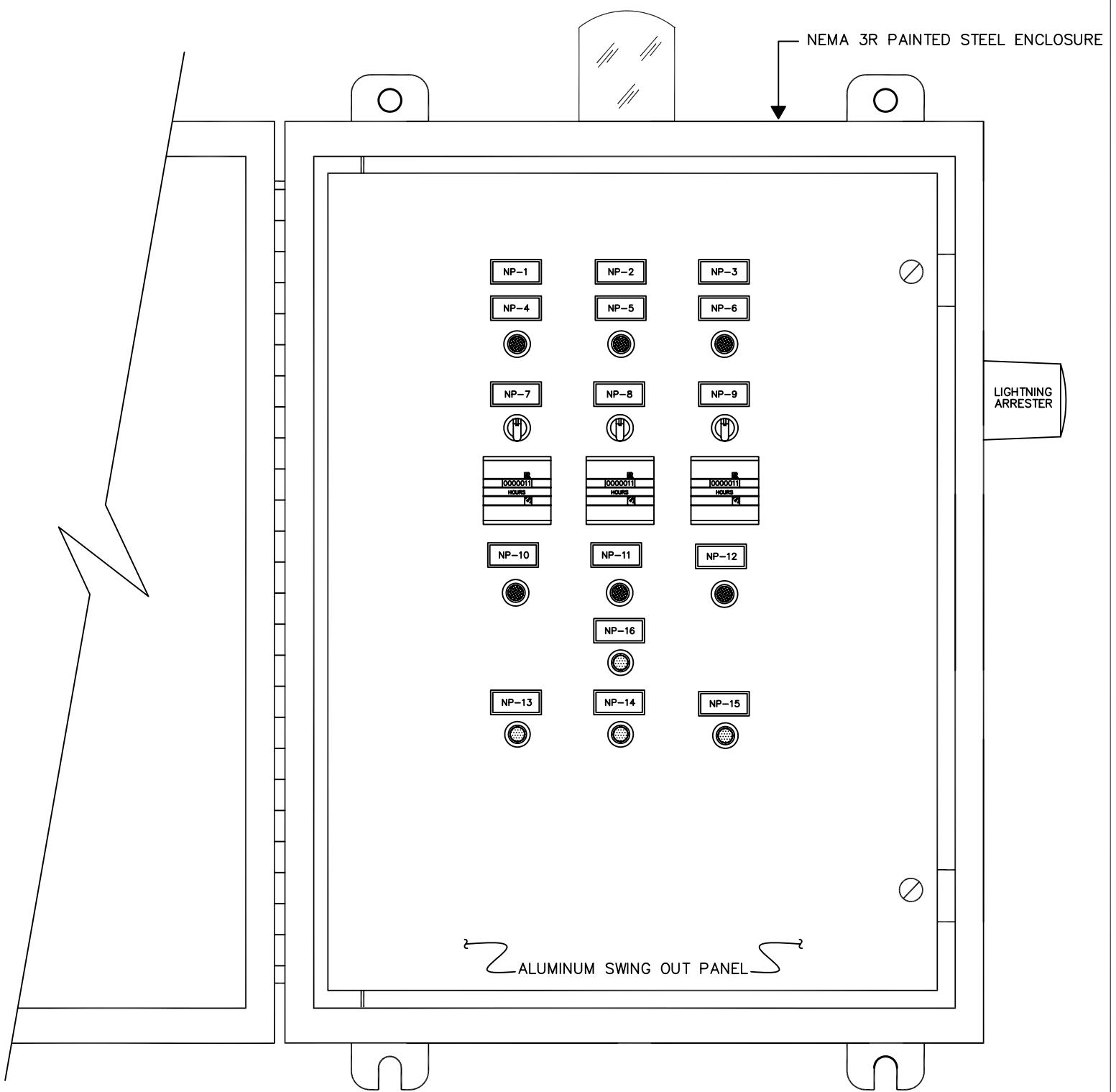
CONTROL DIAGRAM

DATE
8/02/05

S/N	REFERENCE DRAWING		NO. Application Engineer C.C.	REVISION-LOCATION		ECN DRAWN BY CTR	DATE APPROVED BY DATE		
	Sales Engineer	R.C.		DRAWN BY	APPROVED BY				
Project Title		COX Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER			
TRIPLEX PUMP CONTROL PANEL		Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-2117		SHEET NUMBER 3			



	Drawing Title						
	CONTROL DIAGRAM						
DATE 8/02/05	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY CTR	DATE APPROVED BY	BY	
Project Title TRIPLEX PUMP CONTROL PANEL	COX 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-2117 SHEET NUMBER 4		



NAMEPLATE SCHEDULE

NP-1	PUMP 1	NP-11	HIGH TEMP
NP-2	PUMP 2	NP-12	HIGH TEMP
NP-3	PUMP 3	NP-13	O.L. RESET
NP-4	RUN	NP-14	O.L. RESET
NP-5	RUN	NP-15	O.L. RESET
NP-6	RUN	NP-16	HIGH TEMP RESET
NP-7	HOA		
NP-8	HOA		
NP-9	HOA		
NP-10	HIGH TEMP		

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

Drawing Title	ENCLOSURE								
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY		
S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED				
	C.C.	R.C.	BY CTR		BY	DATE			
Project Title	COX Research and Technology, Inc.				PURCHASE ORDER NUMBER				
TRIPLEX PUMP CONTROL PANEL					DRAWING NUMBER				
					CP-2117				
					SHEET NUMBER				
					5				

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	363012REPL	3R P.S. ENCLOSURE
1a	1	EBE	3630P	BACK PLATE
1b	1	EBE	A3630SP	DEAD FRONT
2	1	BUSSMANN	16323-3	DISTRIBUTION BLOCK
3	3	ABB	S1N080TL	CB 1,2,3 3P 90A
4	3	SQUARE D	8536SE01V02	MS 1,2,3
5	9	SQUARE D		O.L. 1,2,3
6	1	DIVERSIFIED	ARM-120-ACE	TRIPLEX ALTERNATOR
7	1	SSAC	PLMU-11	PHASE MONITOR
8	1	DELTA	LA603	LIGHTNING ARRESTOR
9	1	SQD	9070TF150D1	TRANSFORMER 150 VA
10	3	A-B	800H-JR2A	HOA
11	3	A-B	800H-QR10R	PILOT LIGHT-RED
12	1	A-B	800H-AR2A	PUSH BUTTON
13	3	A-B	800H-QR10A	PILOT LIGHT-AMBER
14	3	REDINGTON	711-0190	ELAPSED TIME METER
15	3	MAGNECRAFT	W388AMLCPX-9	CR2,3,4
16	1	IDECK	RU4SA110	CR1
17	3	SQUARE D	9066-RA	O.L. RESET P.B.
18				
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23				
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Drawing Title BILL OF MATERIALS							
DATE 8/02/05	REFERENCE DRAWING S/N		NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.		ECN DRAWN BY CTR	DATE APPROVED BY
Project Title TRIPLEX PUMP CONTROL PANEL							
COX		P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER DRAWING NUMBER SHEET NUMBER			
				CP-2117			
				6			