
COX

Research and Technology, Inc.

TRIPLEX PUMP
CONTROL PANEL
BEAU CHENE WWTP
TRANSFER PUMPS CONTROL PANEL

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

CP-2105

VOLTAGE	277/480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	3	
HP	7.5	
FLA	11 (EST.)	
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	S.S.	(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		

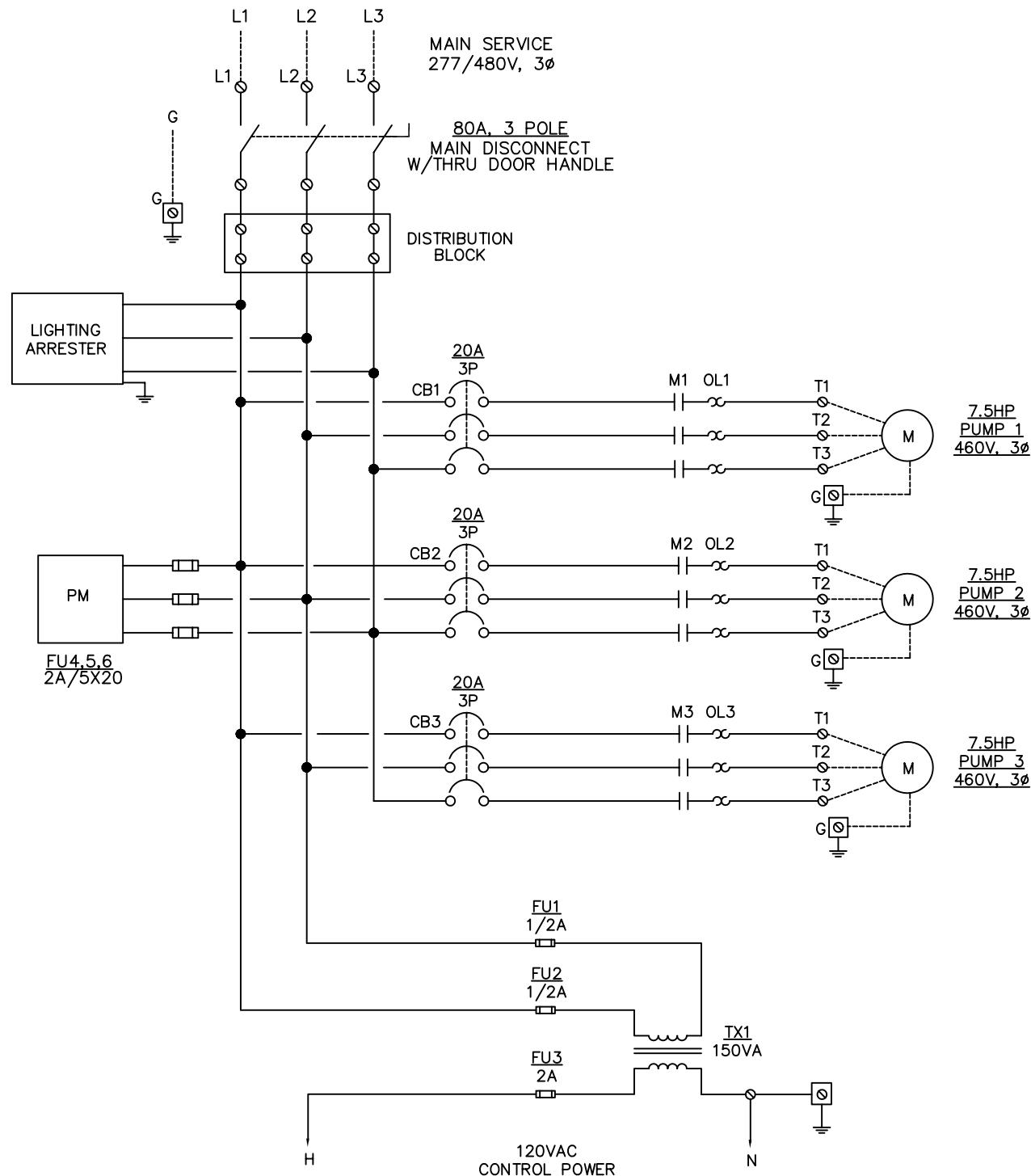
OPTIONS:

SEAL FAIL LIGHTS		(Submersible Only)
SEAL FAIL RELAYS		(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 ARRESTOR	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		

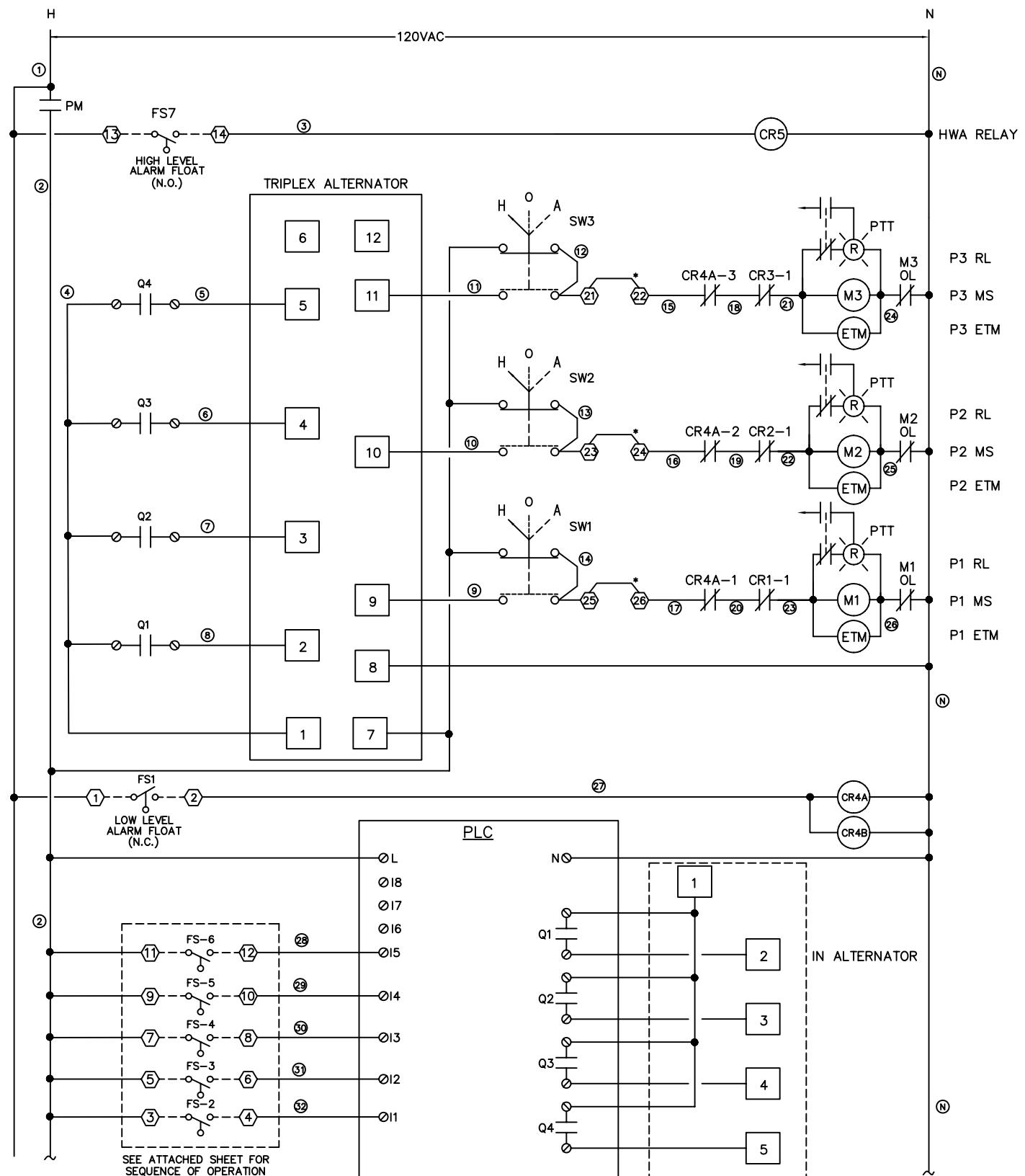
SOLD TO: Delta Process - New Orleans, LA
TAG : Beau Chene
Transfer Pumps Control Panel

SHIP TO: Delta Process - Denham Springs, LA

Drawing Title	PANEL DESCRIPTION						ECN	DATE	BY
	REFERENCE DRAWING		NO.	REVISION-LOCATION					
DATE 7/19/05	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED				
		C.C.	R.C.	BY CTR	BY				
Project Title						P.O. Box 77808	PURCHASE ORDER NUMBER		
TRIPLEX PUMP CONTROL PANEL	 COX Research and Technology, Inc.					Baton Rouge, LA	DRAWING NUMBER		
						70809	CP-2105		
						Ph. (225)756-3271	SHEET NUMBER		
						Fax (225)755-1030	1		



	Drawing Title					
	POWER DIAGRAM					
DATE 7/19/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY CTR	DATE APPROVED BY DATE
Project Title						
TRIPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER			
		Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2105			
			SHEET NUMBER 2			



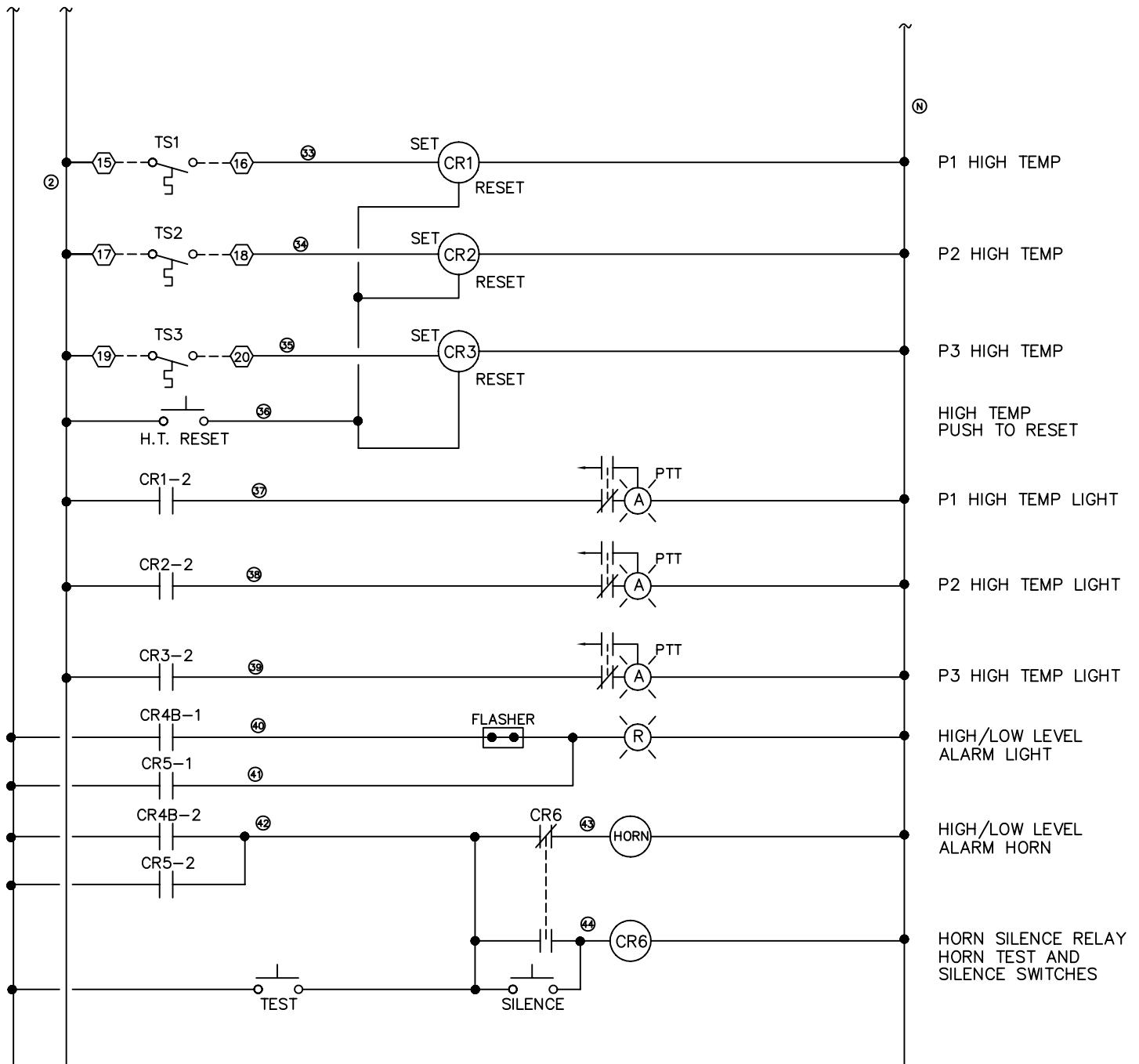
SE

FS-2-7 - NORMALLY OPEN

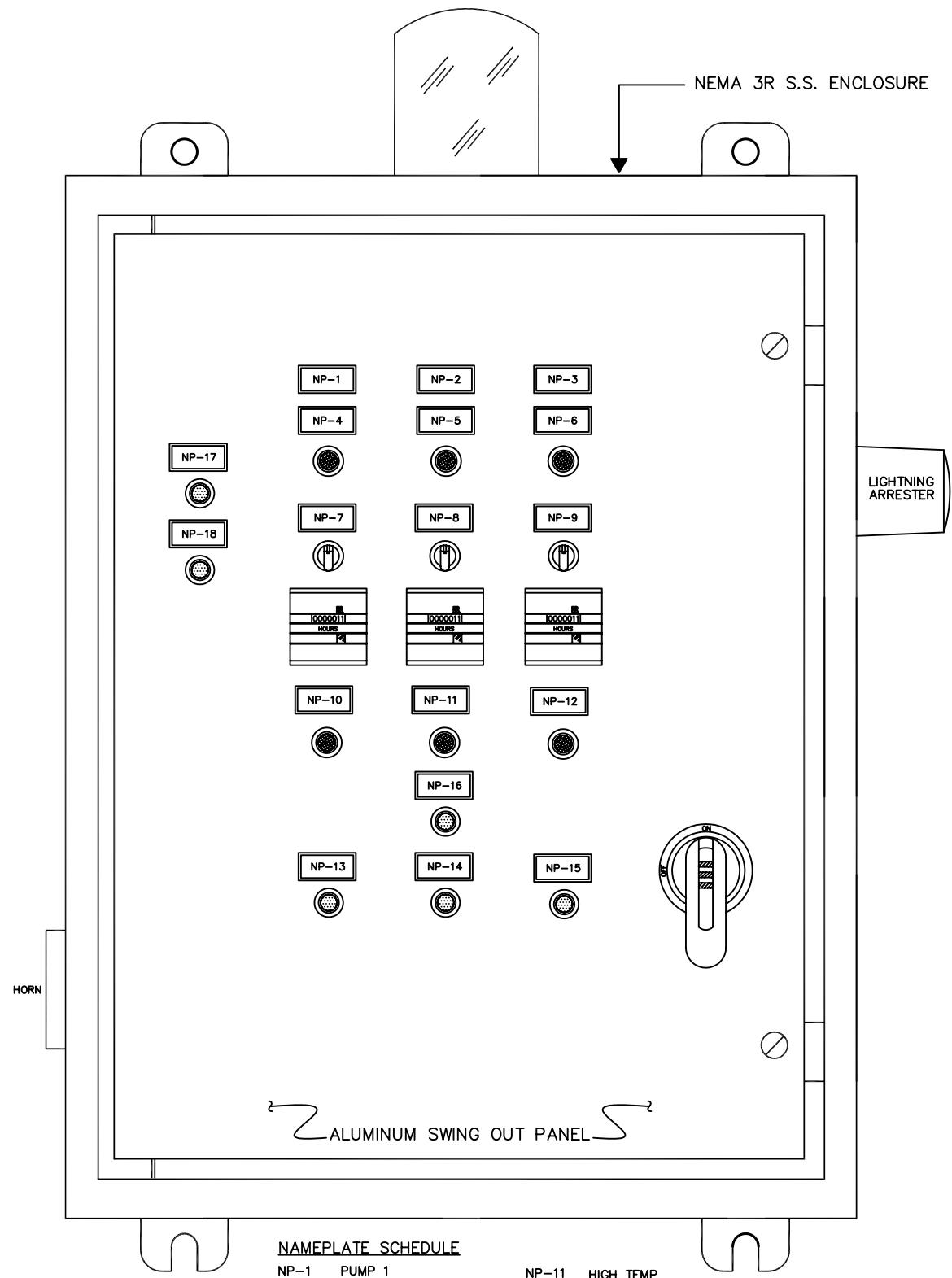
* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

PROGRAM: BEAU CHENE 2105

	Drawing Title CONTROL DIAGRAM						
DATE 7/19/05	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN R.C.		ECN	DATE	BY
			BY	CTR		APPROVED	
	Project Title TRIPLEX PUMP CONTROL PANEL	<hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER	
						DRAWING NUMBER CP-2105	
				Ph. (225)756-3271 Fax (225)755-1030		SHEET NUMBER 3	



	Drawing Title CONTROL DIAGRAM				
DATE 7/19/05	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY CTR	DATE APPROVED BY DATE
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-2105 SHEET NUMBER 4		



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

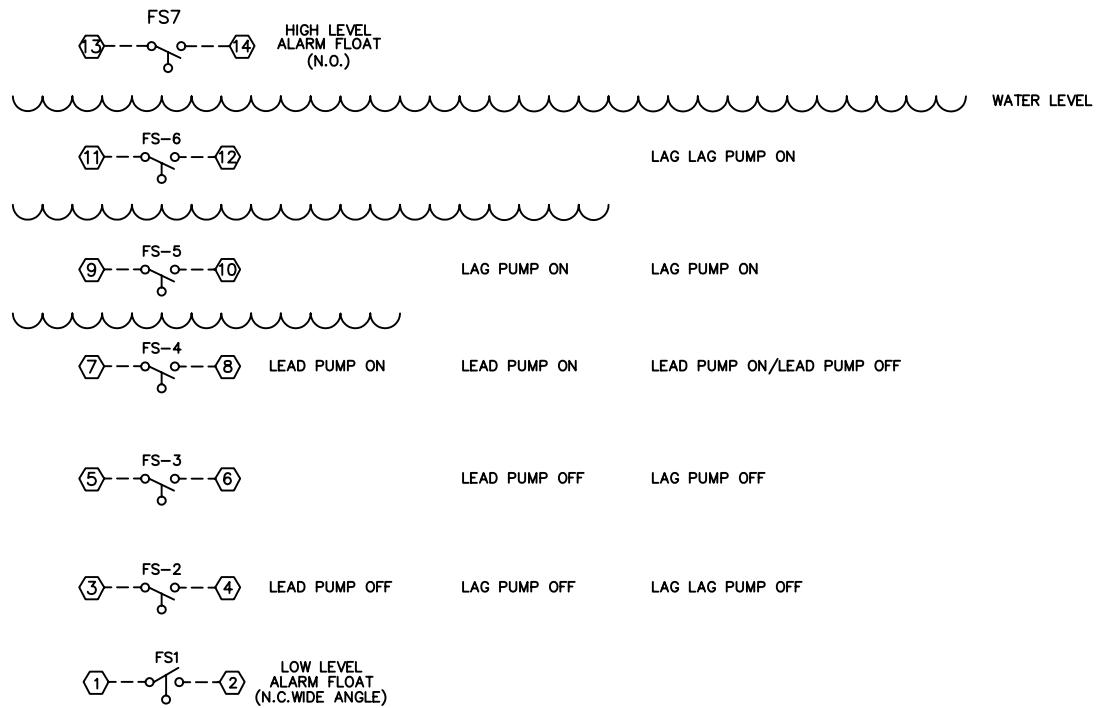
	Drawing Title ENCLOSURE								
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY CTR	ECN	DATE APPROVED	BY	
DATE 7/19/05									
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						Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2105		
							SHEET NUMBER 5		

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S302410REPL	3R S.S. ENCLOSURE
1a	1	EBE	3024P	BACK PLATE
1b	1	EBE	A3024SP	DEAD FRONT
2	1	MARATHON	1323580	DISTRIBUTION BLOCK
3	3	ABB	S1N020TL	CB 1,2,3 3P 90A
4	3	ABB	A26N1-30-10-84	MS 1,2,3
5	3	ABB	TA25DU14	O.L. 1,2,3 (10-14A)
6	1	DIVERSIFIED	ARM-120-ADE	TRIPLEX ALTERNATOR
7	1	SSAC	PLMU-11	PHASE MONITOR
8	1	DELTA	LA603	LIGHTNING ARRESTOR
9	1	ABB	T4150PSF1	TRANSFORMER 150 VA
10	3	A-B	800H-JR2A	HOA
11	3	A-B	800H-QRT10R	PILOT LIGHT-RED
12	1	A-B	800H-AR2A	PUSH BUTTON
13	1	ABB	OT63F3	DISCONNFC
14	1	ABB	OHB65J5	HANDLE
15	3	A-B	800H-QRT10A	PILOT LIGHT-AMBER
16	3	REDINGTON	711-0190	ELAPSED TIME METER
17	3	MAGNECRAFT	W388AMLCPX-9	CR2,3,4
18	2	IDE	RU4SA110	CONTROL RELAYS
19	3	ABB	KPR3-104B	O.L. RESET P.B.
20	1	ABB	OXP5X265	SHAFT
21	1	SIEMENS	230RCLOGO!	PLC
22	1	EDWARDS	870P-N5	HORN
23				
24				
25				
26				
27				
28				
29				
30				

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	REFERENCE DRAWING S/N		NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.		ECN DRAWN BY CTR	DATE APPROVED BY	BY
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							DRAWING NUMBER CP-2105	
					SHEET NUMBER		6	

SEQUENCE OF OPERATION



	Drawing Title SEQUENCE OF OPERATION								
		REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
DATE 7/19/05		S/N		Sales Engineer	Application Engineer	DRAWN	APPROVED		
		C.C.		R.C.	BY CTR		BY	DATE	
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					Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-2105		
					SHEET NUMBER 7				