
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	
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		

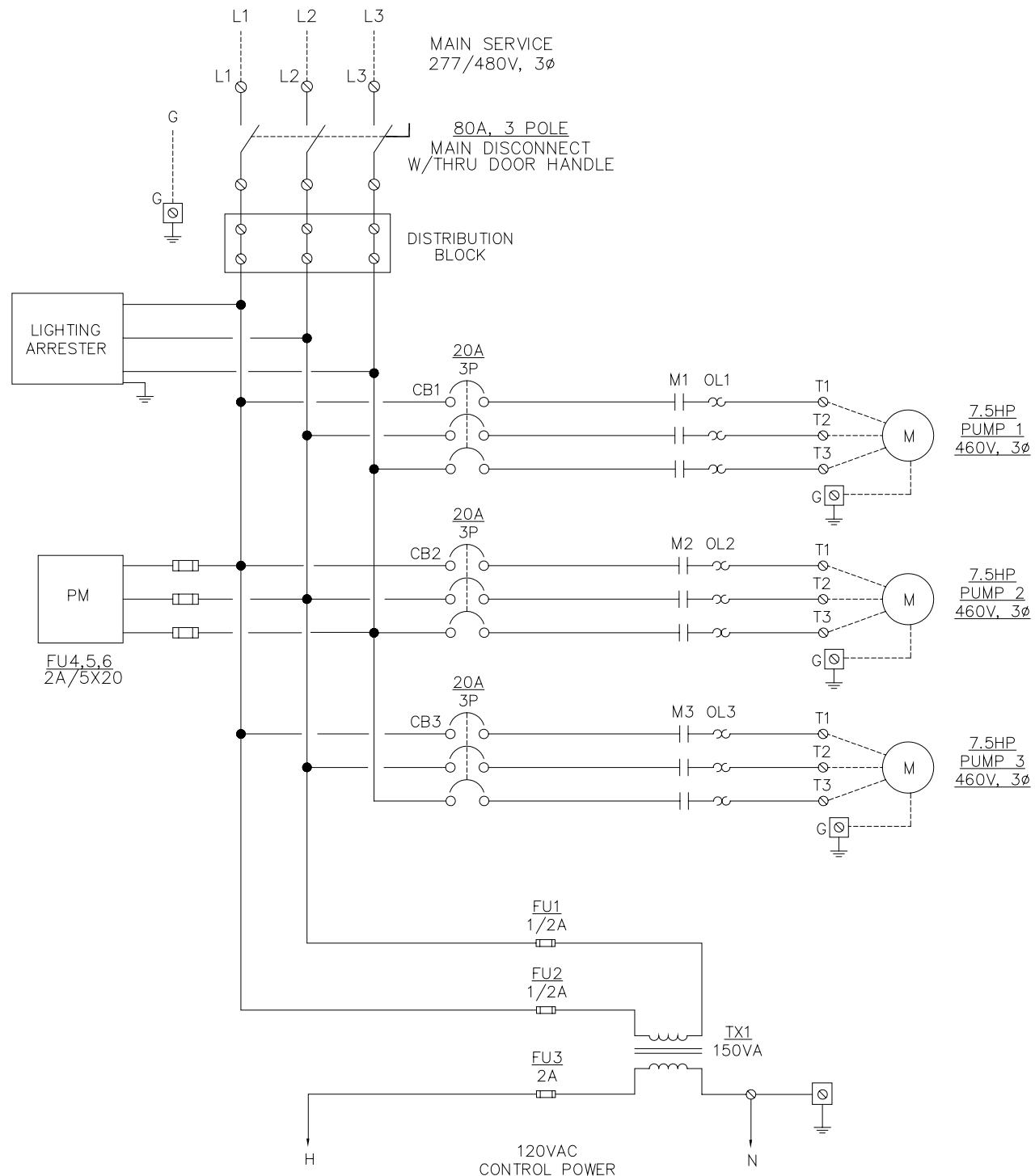
OPTIONS:

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 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		

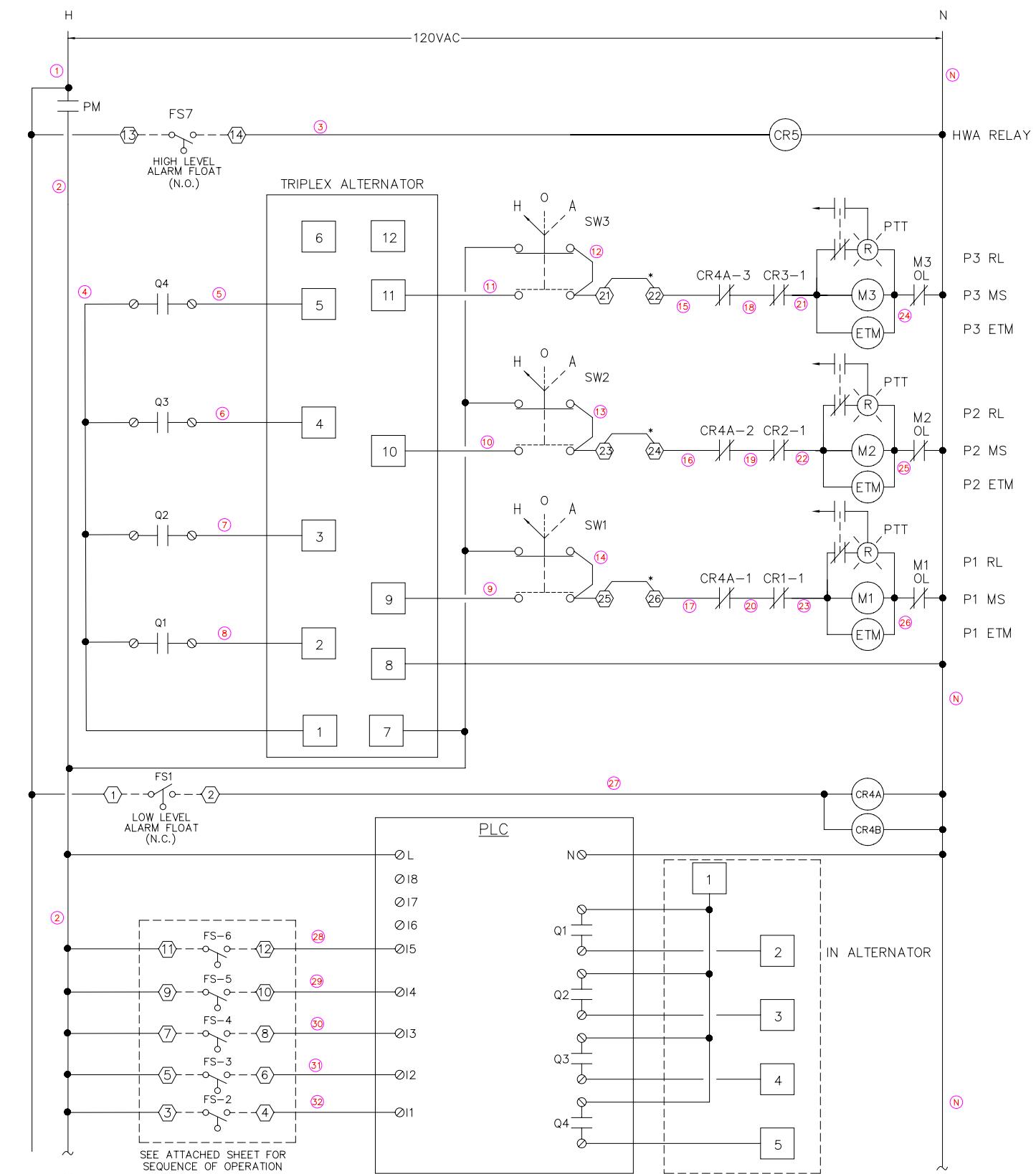
SOLD TO: Delta Process - New Orleans, LA
TAG : Beau Chene
Transfer Pumps Control Panel

SHIP TO: Delta Process - Denham Springs, LA

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



Drawing Title

CONTROL DIAGRAM

DATE
7/19/05

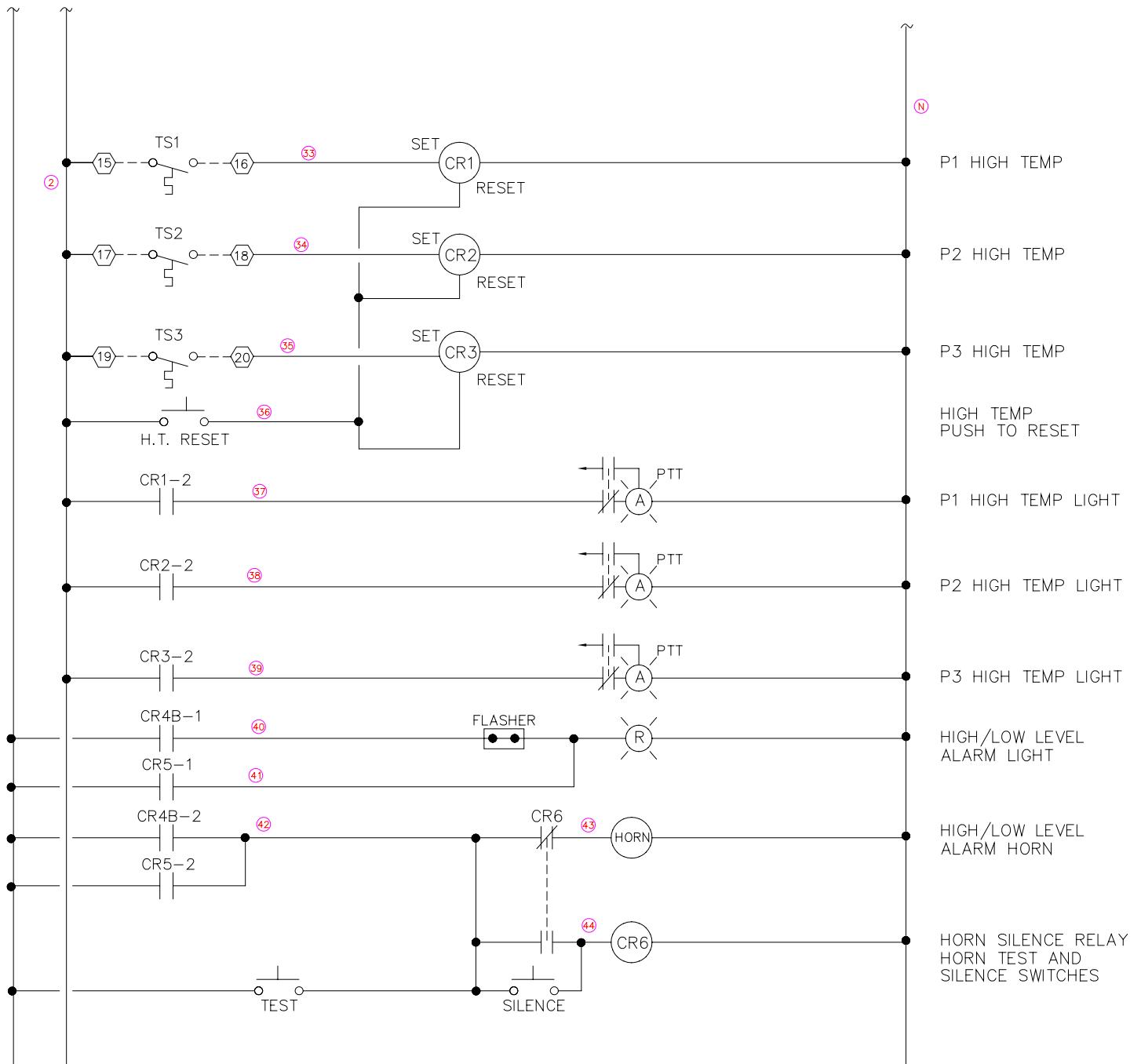
Project Title

TRIPLEX PUMP
CONTROL PANEL

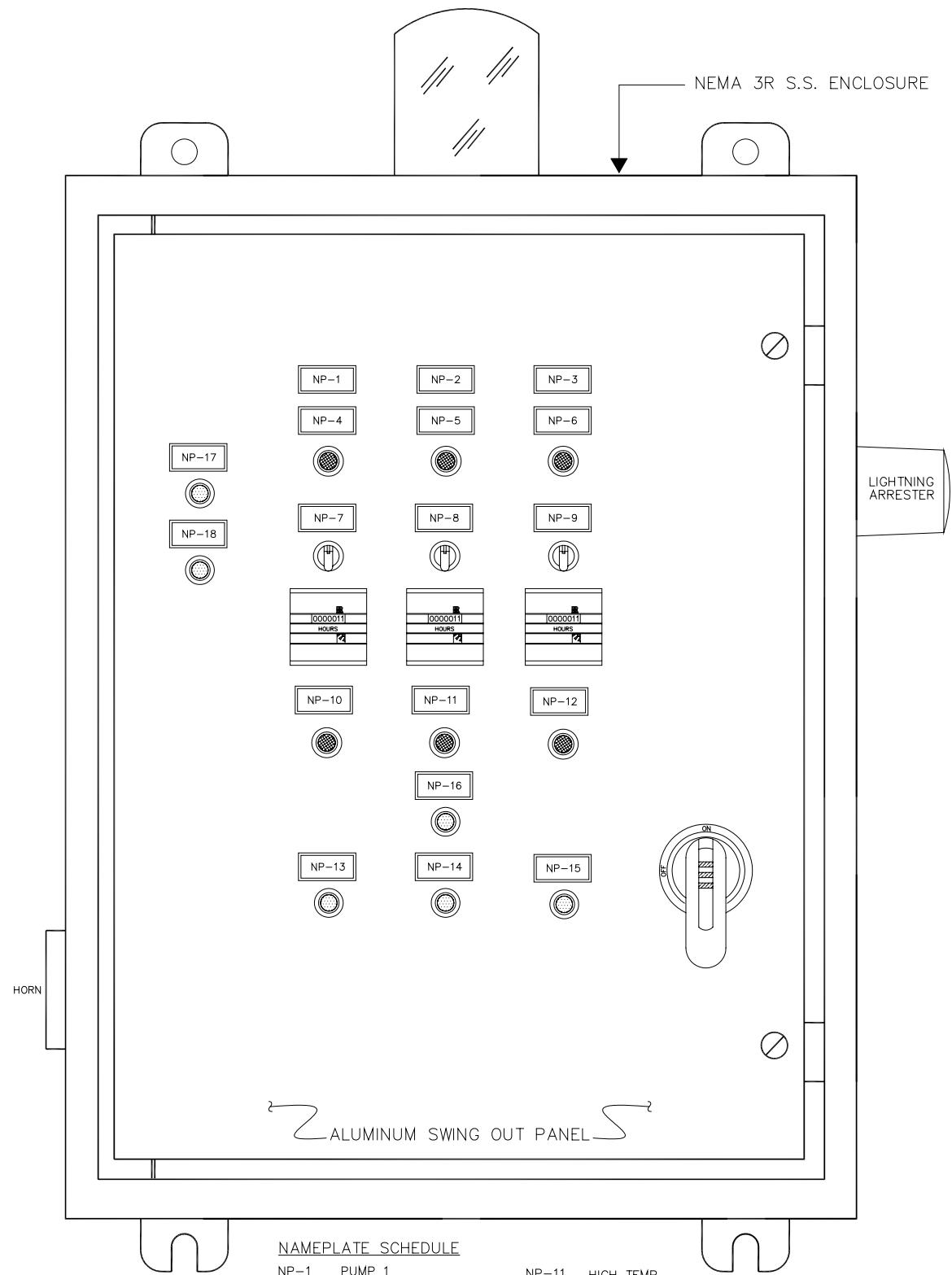
S/N	REFERENCE DRAWING Sales Engineer C.C.	NO. Application Engineer R.C.	REVISION-LOCATION		ECN DRAWN BY CTR	DATE APPROVED BY DATE	BY
			DRAWN BY	APPROVED BY			
			P.O. Box 77808 Baton Rouge, LA 70809				
			Ph. (225)756-3271 Fax (225)755-1030				

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	CONTROL DIAGRAM						
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			DRAWN BY CTR	APPROVED BY	DATE BY		
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				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-17	HORN SILENCE
NP-8	HOA	NP-18	ALARM TEST
NP-9	HOA		
NP-10	HIGH TEMP		

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

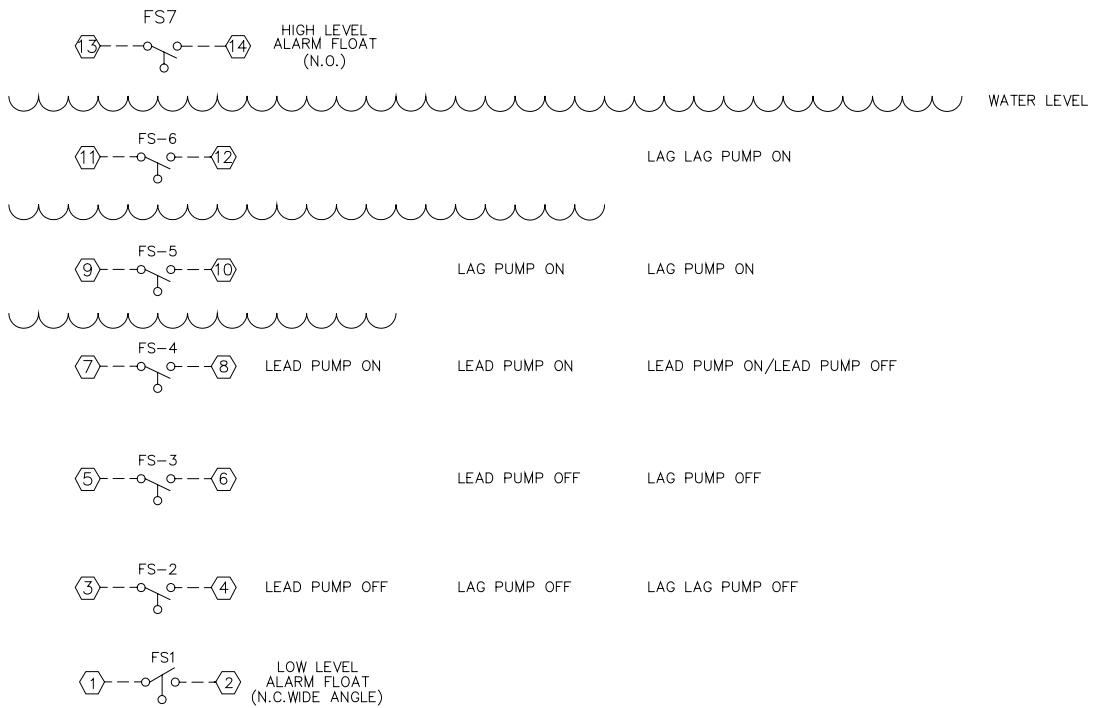
Drawing Title				
	ENCLOSURE			
DATE 7/19/05	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY CTR
Project Title TRIPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809	DATE APPROVED BY DATE
			Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER 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	OT63E3	DISCONNECT
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	IDECK	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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							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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						SHEET NUMBER			7