
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		

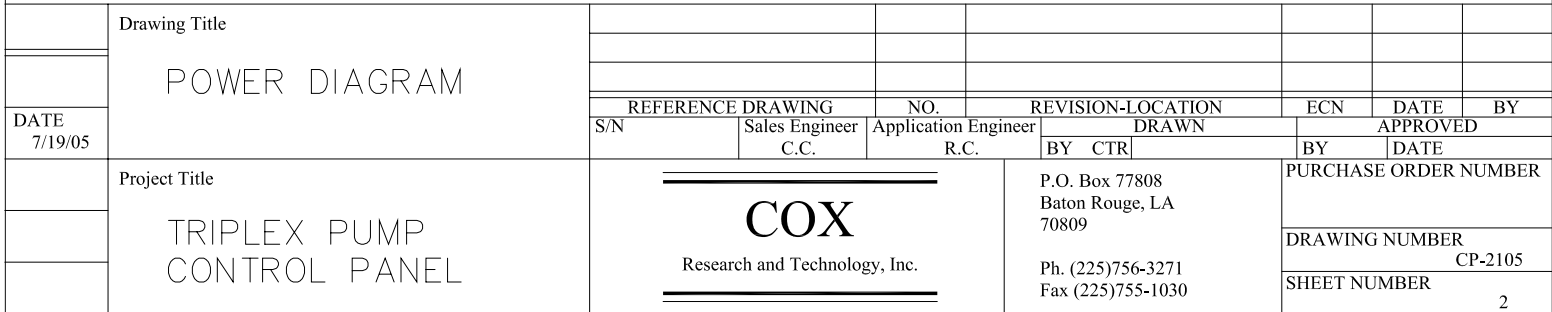
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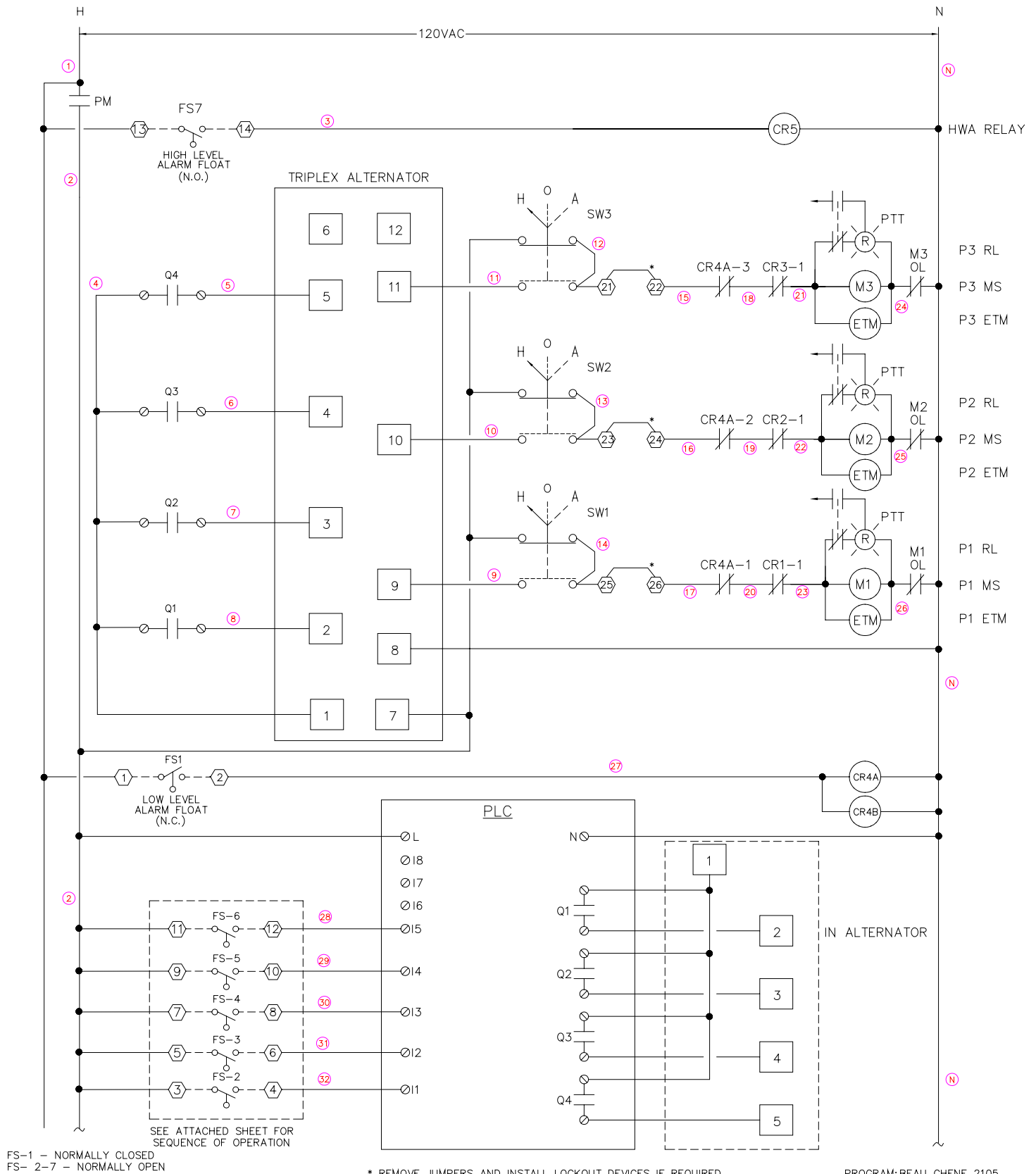
SEAL FAIL LIGHTS		(Submersible Only)
SEAL FAIL RELAYS		(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN	X	(Self-Primer, Submersible)
ALARM HORN	X	
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER	X	
ELAPSED TIME METER	X	
PHASE MONITOR	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						
DATE 7/19/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY CTR	ECN	DATE
	Project Title	<div>COX</div> <div>Research and Technology, Inc.</div>			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-2105
							SHEET NUMBER 1





Drawing Title

CONTROL DIAGRAM

DATE
7/19/05

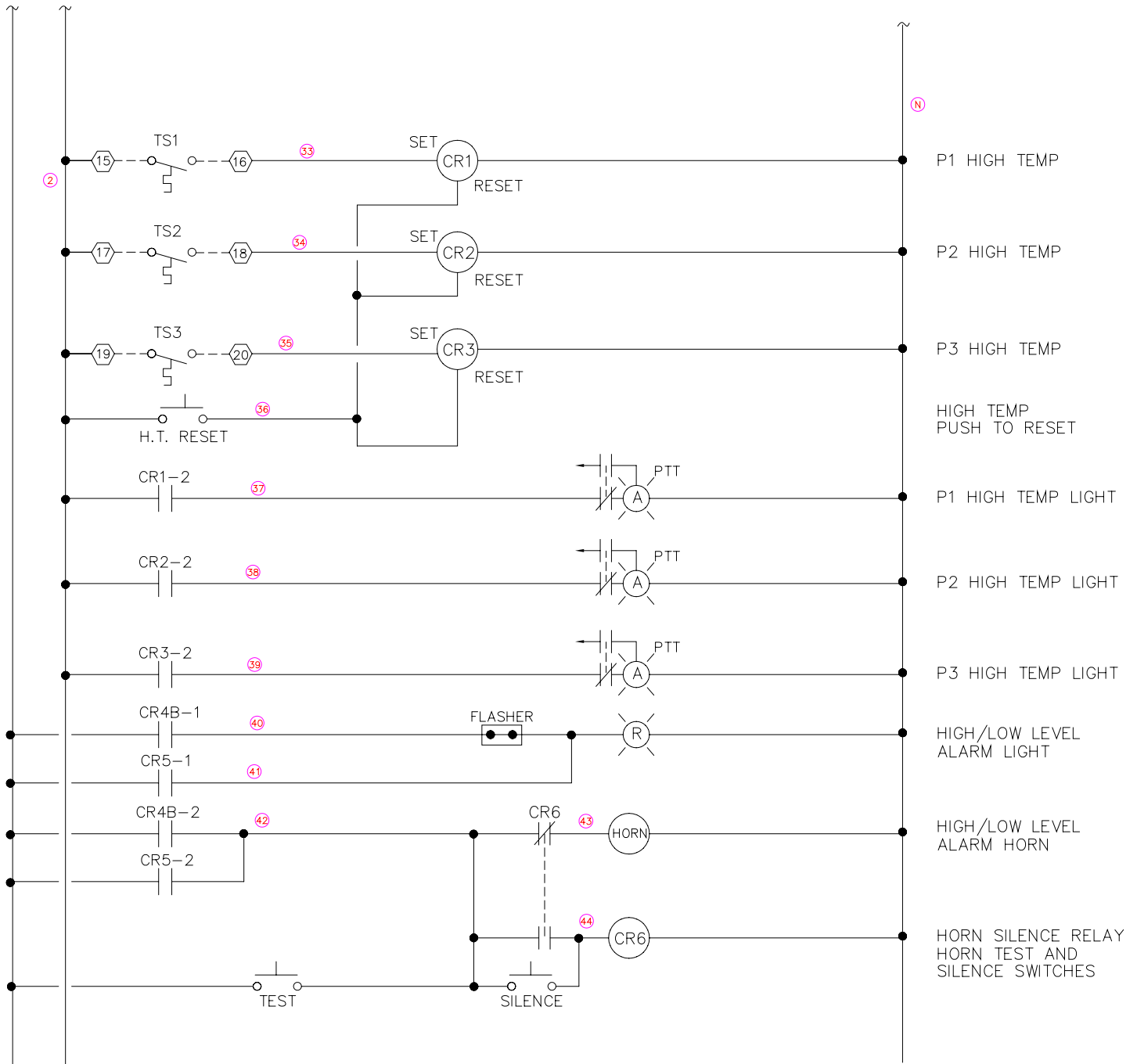
Project Title

TRIPLEX PUMP
CONTROL PANEL

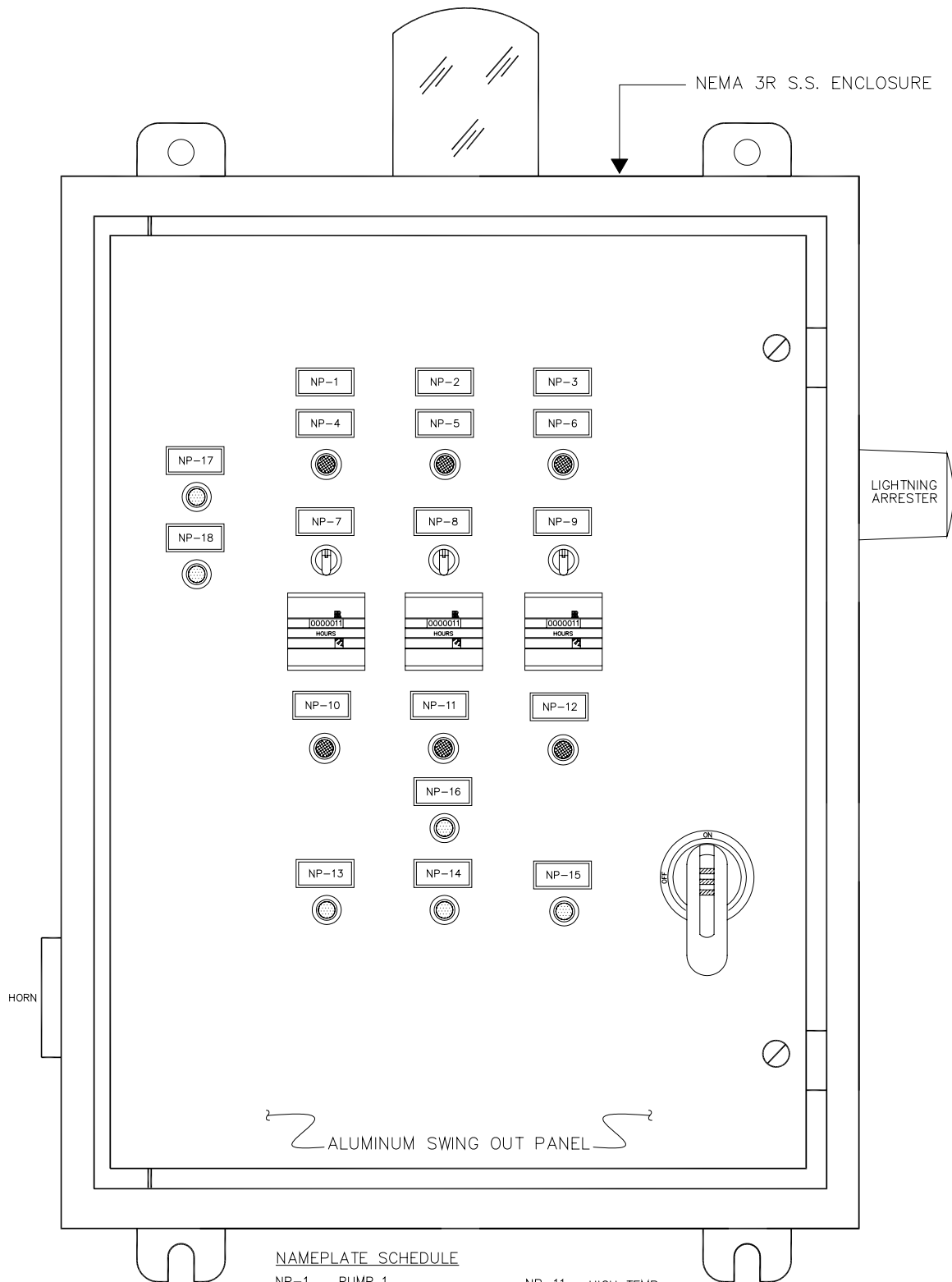
REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN		APPROVED		
			BY	CTR	BY	DATE	
<div style="text-align: center;"> COX Research and Technology, Inc. </div>					PURCHASE ORDER NUMBER		
					DRAWING NUMBER CP-2105		
					SHEET NUMBER 3		

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70809

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

DATE 7/19/05	Drawing Title								
	ENCLOSURE								
	Project Title	REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	DATE
		S/N		Sales Engineer		Application Engineer			BY
		C.C.		R.C.		DRAWN		APPROVED	
						BY	CTR	BY	DATE
								PURCHASE ORDER NUMBER	
								DRAWING NUMBER	
								CP-2105	
								SHEET NUMBER	
								5	

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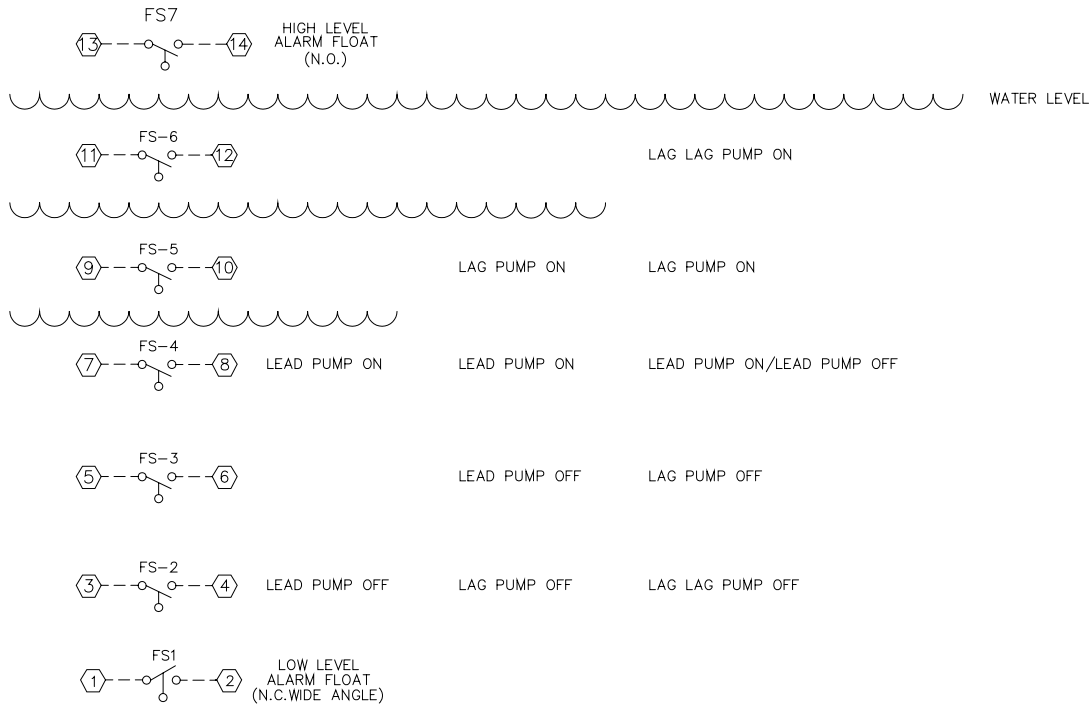
Ph. (225)756-3271
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BILL OF MATERIALS

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	IDEC	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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	Project Title					P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER			
	TRIPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.				Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2105			
							SHEET NUMBER 6			

SEQUENCE OF OPERATION



	Drawing Title							
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DATE 7/19/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	BY CTR	ECN	DATE	BY
	Project Title	<div style="text-align: center;"> COX Research and Technology, Inc. </div>			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-2105	
							SHEET NUMBER 7	