
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	<u>277/480V</u>	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	<u>3/60</u>	
NO. MOTORS	<u>3</u>	
HP	<u>7.5</u>	
FLA	<u>11 (EST.)</u>	
TYPE OF PUMP	<u>Self-Priming</u>	(Self-Priming, Submersible)
MANUFACTURER	<u>Gorman Rupp</u>	
CATALOG NUMBER	<u></u>	

CONTROL VOLTAGE	<u>120V</u>	(120V, Other)
ENCLOSURE	<u>NEMA 3R</u>	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	<u>S.S.</u>	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	<u>Floats</u>	(Floats, Bubbler, Other)
CAPACITORS	<u>No</u>	(Yes, No)
CAPACITOR WIRING FIGURE	<u>N/A</u>	
THERM. & SEAL FAIL WIRING FIGURE	<u></u>	

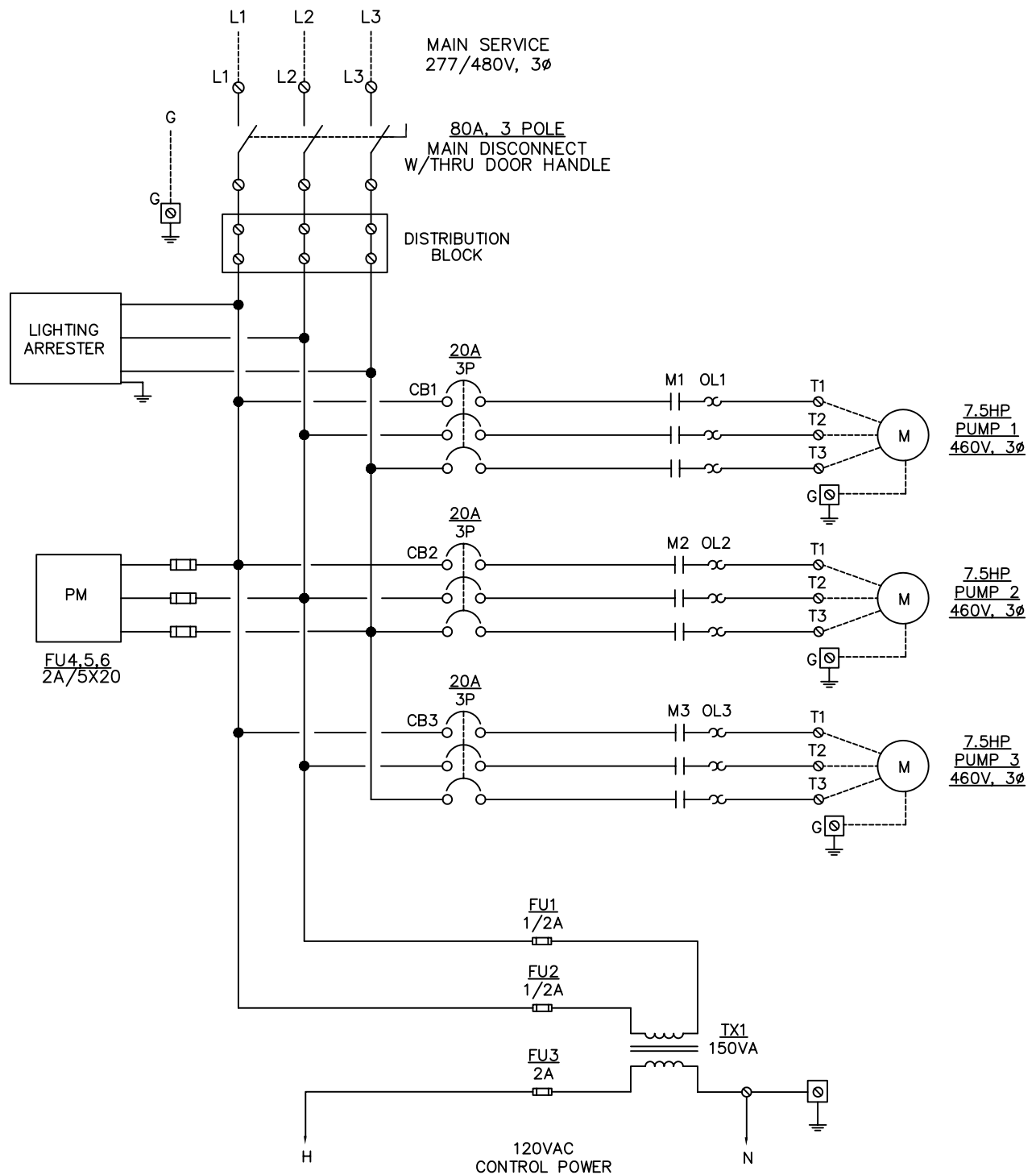
OPTIONS:

SEAL FAIL LIGHTS	<u></u>	(Submersible Only)
SEAL FAIL RELAYS	<u></u>	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	<u></u>	(Submersible Only)
HT PUMP SHUTDOWN	<u>X</u>	(Self-Primer, Submersible)
ALARM HORN	<u>X</u>	
ALARM LIGHT	<u>X</u>	
LIGHT PANEL MTD	<u>X</u>	
LIGHT REMOTE MTD	<u></u>	
LIGHT FLASHER	<u></u>	
LIGHTNING ARRESTER	<u>X</u>	
ELAPSED TIME METER	<u>X</u>	
PHASE MONITOR	<u>X</u>	
NEMA RATED STARTERS	<u></u>	
GROUND FAULT RECPT.	<u></u>	
GREEN RUN LIGHTS VS. RED	<u></u>	
POLE, BOX, SEAL	<u></u>	
INTRINSICALLY SAFE RELAYS	<u></u>	
HIGH TEMP. LOCKOUT, MANUAL RESET	<u>X</u>	
ECONOMY VERSION	<u></u>	

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

SHIP TO:	<u>Delta Process - Denham Springs, LA</u>
	<u></u>
	<u></u>

	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 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER	
	TRIPLEX PUMP CONTROL PANEL					DRAWING NUMBER CP-2105	
						SHEET NUMBER 1	



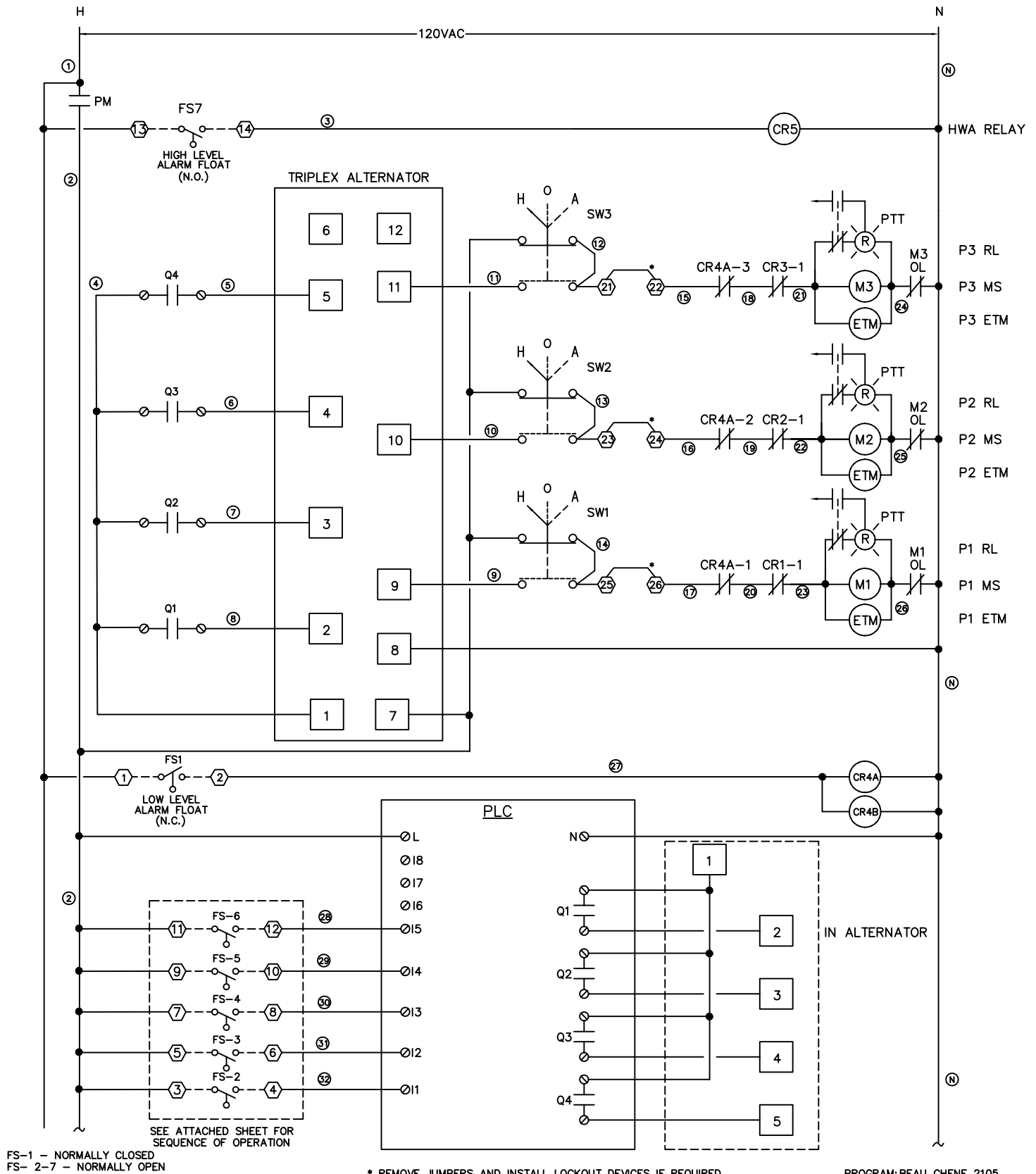
	Drawing Title								
	POWER DIAGRAM								
DATE 7/19/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY	APPROVED	
	Project Title				BY	CTR		DATE	PURCHASE ORDER NUMBER
	TRIPLEX PUMP CONTROL PANEL								DRAWING NUMBER CP-2105
									SHEET NUMBER 2

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Drawing Title

CONTROL DIAGRAM

DATE
7/19/05

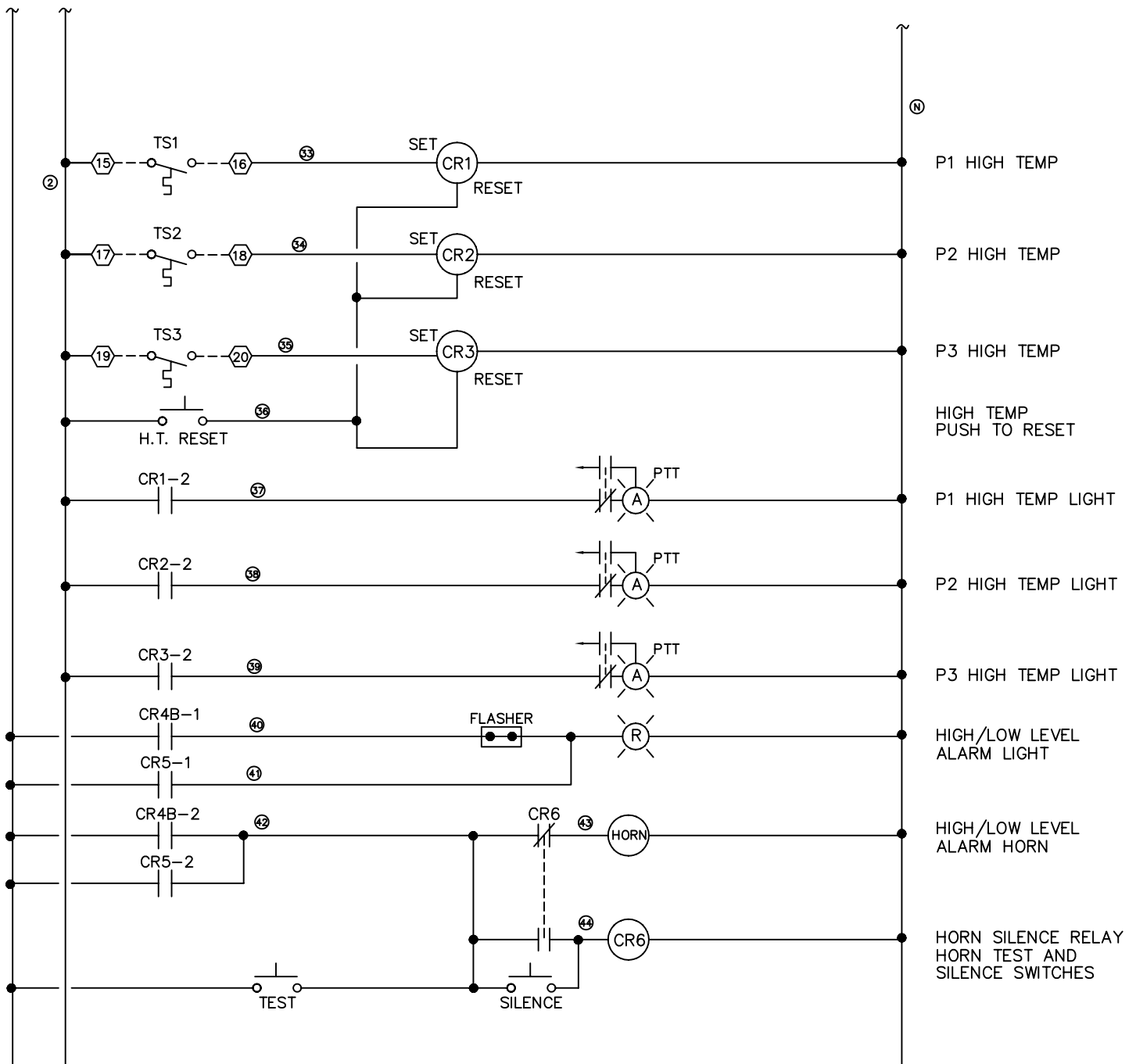
Project Title

TRIPLEX PUMP
CONTROL PANEL

REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED		
	C.C.	R.C.	BY	CTR	BY	DATE	
<div><div></div><div>COX</div><div>Research and Technology, Inc.</div></div>			<div>P.O. Box 77808 Baton Rouge, LA 70809</div> <div>Ph. (225)756-3271 Fax (225)755-1030</div>		PURCHASE ORDER NUMBER		
					DRAWING NUMBER CP-2105		
					SHEET NUMBER		
					3		

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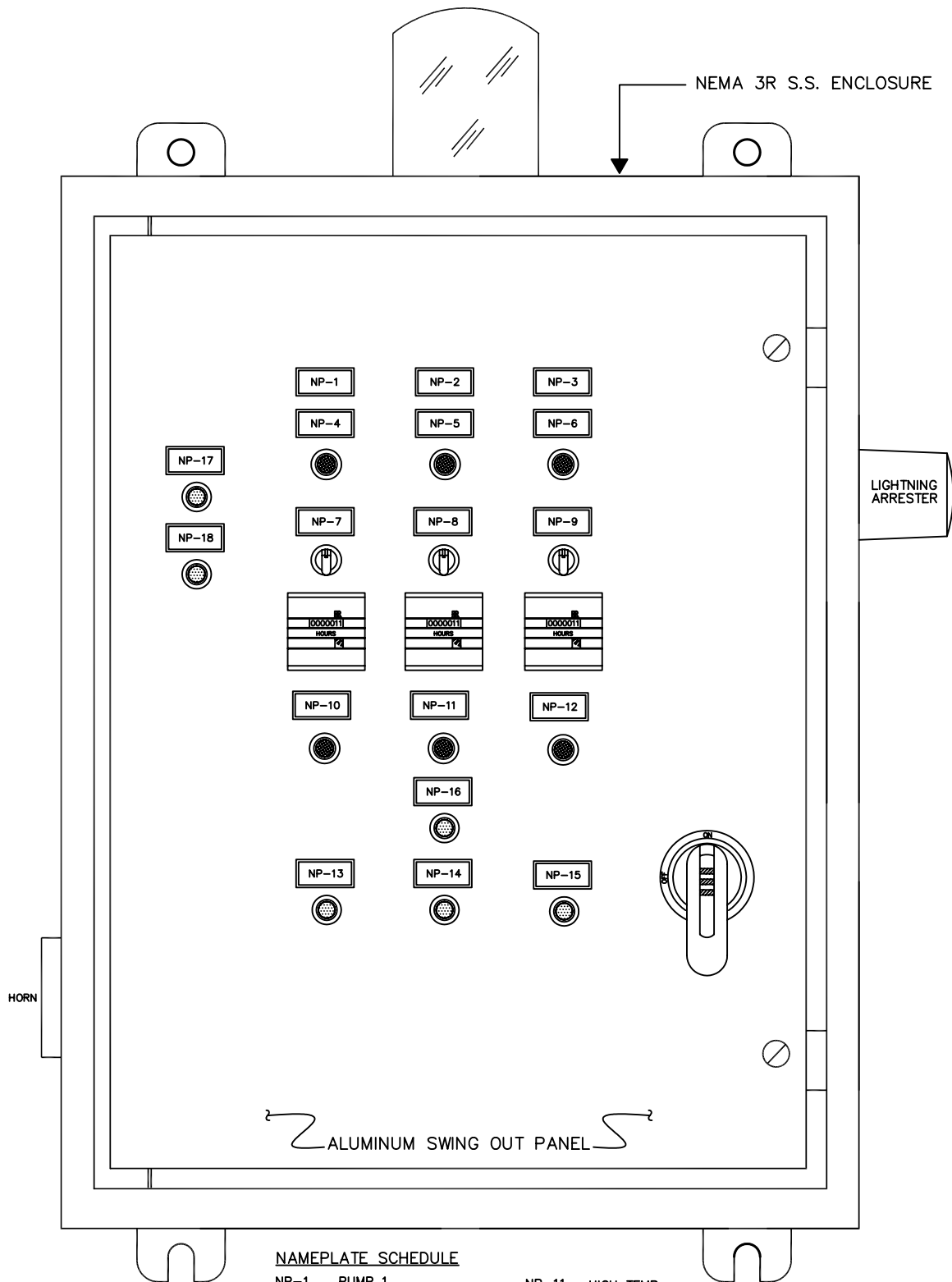
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	CONTROL DIAGRAM								
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY		
7/19/05		S/N	Sales Engineer	Application Engineer					
			C.C.	R.C.	BY	CTR	BY	DATE	
	Project Title								PURCHASE ORDER NUMBER
	TRIPLEX PUMP CONTROL PANEL								DRAWING NUMBER
									CP-2105
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									4

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

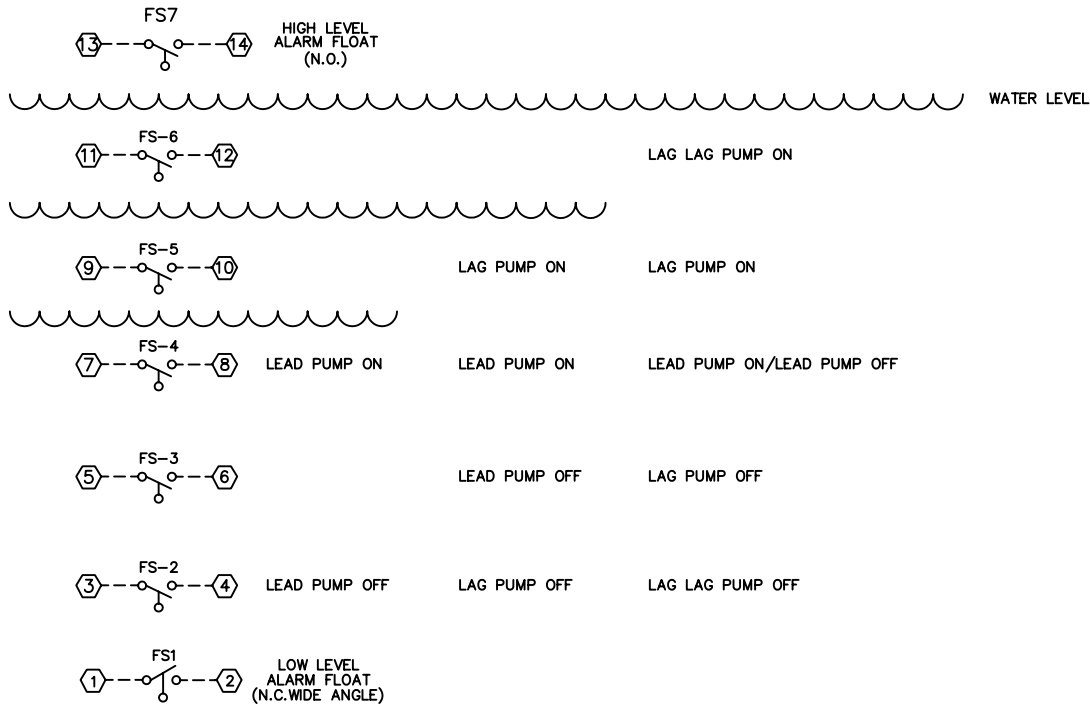
	Drawing Title <
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BILL OF MATERIALS

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	OXF5X265	SHAFT
21	1	SIEMENS	230RCLOGO!	PLC
22	1	EDWARDS	870P-N5	HORN
23				
24				
25				
26				
27				
28				
29				
30				

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	<h2 style="margin: 0;">BILL OF MATERIALS</h2>						
DATE 7/19/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY
	Project Title	<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 150px;"> <h3 style="margin: 0;">COX</h3> <p style="margin: 0; font-size: small;">Research and Technology, Inc.</p> </div>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030		<div style="border: 1px solid black; padding: 2px; margin: 0;">PURCHASE ORDER NUMBER</div> <div style="border: 1px solid black; padding: 2px; margin: 0;">DRAWING NUMBER CP-2105</div> <div style="border: 1px solid black; padding: 2px; margin: 0;">SHEET NUMBER</div>
	TRIPLEX PUMP CONTROL PANEL						6

SEQUENCE OF OPERATION



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		DRAWN BY CTR		APPROVED BY		DATE	
	Project Title	<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 100%;"> <h2 style="margin: 0;">COX</h2> <p style="margin: 0;">Research and Technology, Inc.</p> </div>			PURCHASE ORDER NUMBER		
	<h2 style="margin: 0;">TRIPLEX PUMP CONTROL PANEL</h2>				DRAWING NUMBER CP-2105		
					SHEET NUMBER 7		

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