
COX

Research and Technology, Inc.

DUPLEX PUMP
CONTROL PANEL
KCS 7 1/2 H.P.

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

CP1443

VOLTAGE	<u>277/480V</u>	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	<u>3/60</u>	
NO. MOTORS	<u>2</u>	
HP	<u>7 1/2</u>	
FLA	<u>11</u>	
TYPE OF PUMP	<u>SP</u>	(Self-Priming, Submersible)
MANUFACTURER	<u></u>	
CATALOG NUMBER	<u></u>	
CONTROL VOLTAGE	<u>120V</u>	(120V, Other)
ENCLOSURE	<u>NEMA 4X</u>	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	<u>SS</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:

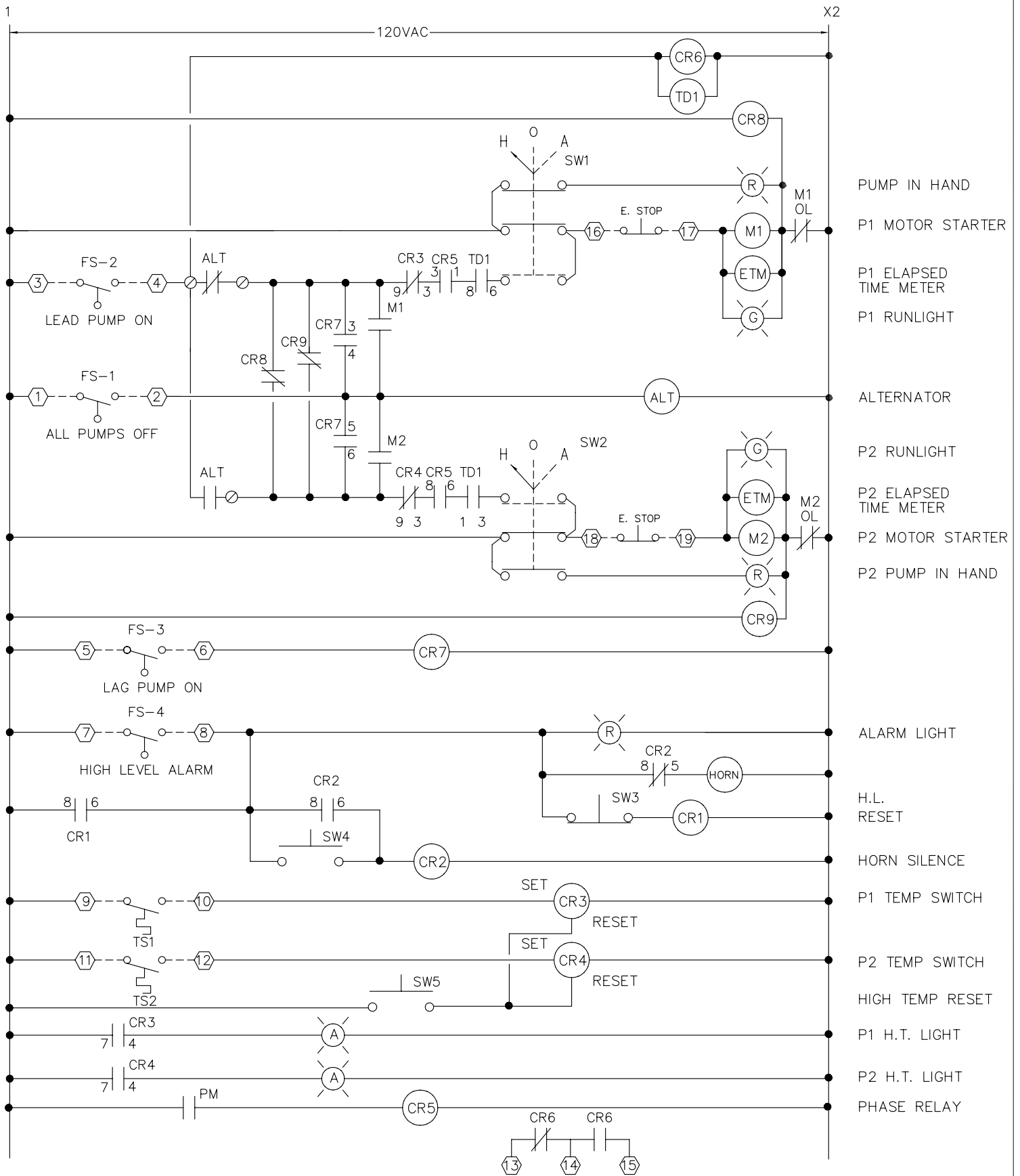
SEAL FAIL LIGHTS	<u></u>	(Submersible Only)
SEAL FAIL RELAYS	<u></u>	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	<u></u>	(Submersible Only)
HT PUMP SHUTDOWN	<u>X</u>	(Self-Primer, Submersible)
ALARM HORN	<u>X</u>	
ALARM LIGHT	<u>X</u>	
LIGHT PANEL MTD	<u>X</u>	
LIGHT REMOTE MTD	<u></u>	
LIGHT FLASHER	<u></u>	
LIGHTNING ARRESTER	<u>X</u>	
ELAPSED TIME METER	<u>X</u>	
PHASE MONITOR	<u>X</u>	
NEMA RATED STARTERS	<u>X</u>	
GROUND FAULT RECPT.	<u>X</u>	
GREEN RUN LIGHTS VS. RED	<u>X</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: Delta Process - Bossier City, LA

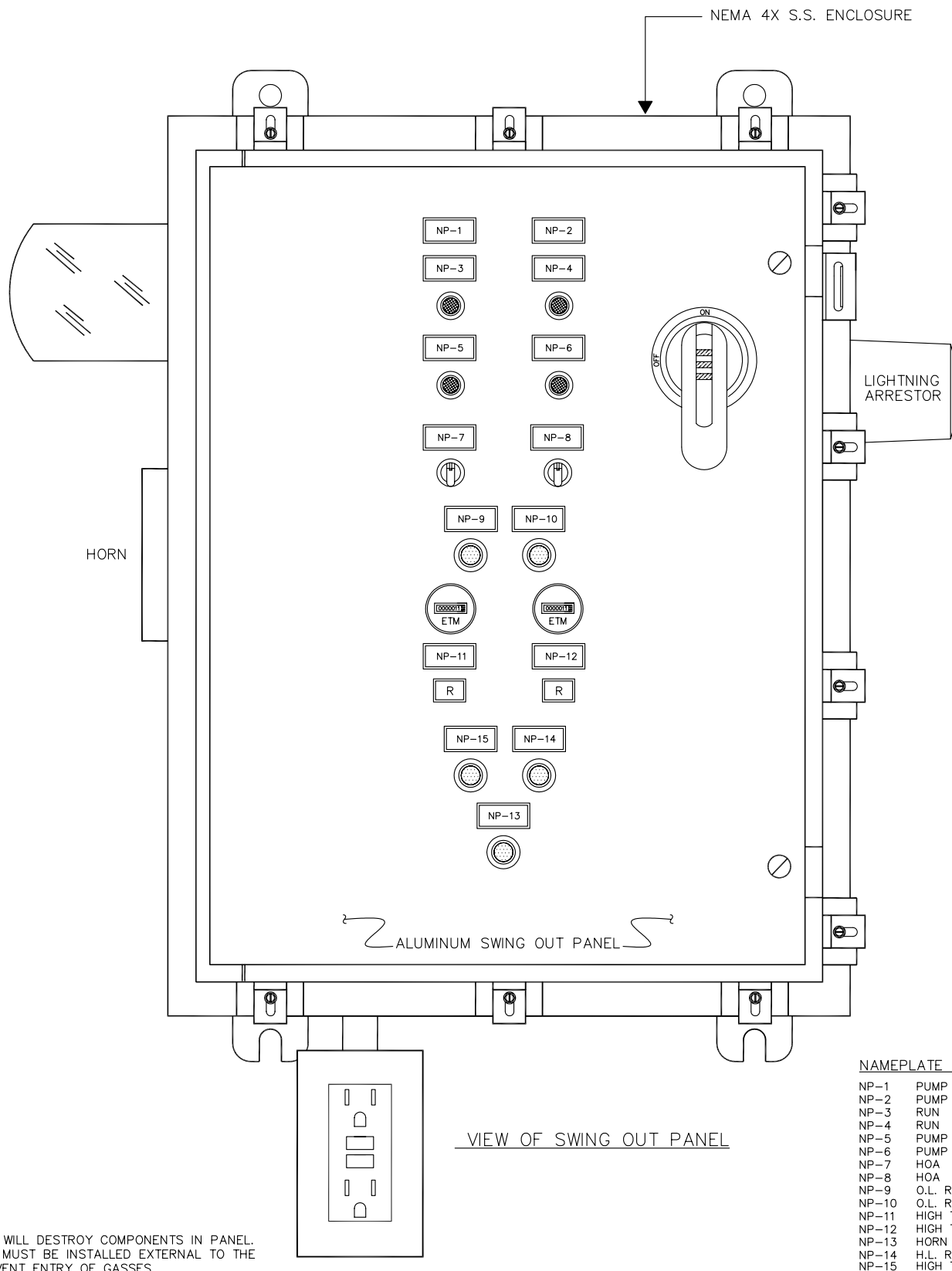
TAG : KCS 7 1/2 H.P.

SHIP TO: Delta Process - Denham Springs, LA

	Drawing Title						
	PANEL DESCRIPTION						
DATE 7/08/02		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY CTR	ECN	DATE
	Project Title	<div style="text-align: center;"> COX Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER
	DUPLX PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP1443
							SHEET NUMBER 1



Drawing Title									
CONTROL DIAGRAM									
DATE	7/08/02	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					P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER		
DUPLUX PUMP CONTROL PANEL					Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP1443		
							SHEET NUMBER 3		



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

	Drawing Title								
	ENCLOSURE								
DATE 7/08/02		REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN			APPROVED	
					BY	CTR		BY	DATE
	Project Title					P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL	<div>COX</div> <div>Research and Technology, Inc.</div>				Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER	
								CP1443	
						SHEET NUMBER		4	

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S362410N4X	ENCLOSURE
1a	1	EBE	A3624P	BACKPLATE
1b	1	EBE	A3624SP	DEAD FRONT
2	1	ABB	OT63E3	MAIN DISC. SWITCH
3	2	FURNAS	14DP32BF81	MOTOR STARTER
4	6	FURNAS	K54	O.L. RELAY (11A)
5	2	ABB	S3N020TW	CB1, CB2
6	1	FURNAS	47AB10AF	ALTERNATING RELAY
7	1	SQUARE D	3S1F	TRANSFORMER
8	1	AC/DC	BL5-R-120	ALARM LIGHT
9	1	C-H	CHSA03	LIGHTNING ARRESTER
10	1	SSAC	PLMU-11	PHASE MONITOR
11	2	GRASSLIN	UWZ52E	ELAPSED TIME METER
12	1	EDWARDS	870PN5	HORN
13	2	P&B	KUL-11A15S-120	LATCHING RELAY CR 3,4
14	1	OMRON	2 SAC 120	CR7
15	2	A-B	800 H-QR10R	RED PILOT LIGHT
16	2	A-B	800 H-QR10G	GREEN PILOT LIGHT
17	2	A-B	800 H-JR2A	HOA SWITCH
18	3	A-B	800 H-AR2A	P.B.
19	2	A-B	800 H-QR10A	HIGH TEMP LIGHT
20	1	ABB	OH B 65L5	DISC.SWITCH HANDLE
21	1	ABB	OX P 5X265	DISC. SWITCH SHAFT
22	1	STOCK		GFI W/WEATHER PROOF BOX
23	1	HOFFMAN		6 MTH SUPPLY DESSICANT PKS
24	3	SQ D	QOU 110	CB 3,5,6
25	3	MARATHON	6SC30A1I	FUSE HOLDER
26	1	SQ D	QOU 120	CB 5
27	1	BUSSMAN	16220-3	DIST. BLOCK
28	4	DAYTON	5Z454	CR1,2,5,6
29	2	OMRON	1SAC120	CR8.9
30	1	DAYTON	6A854	TIME DELAY RELAY

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		<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 100px;"> COX <small>Research and Technology, Inc.</small> </div>		<small>P.O. Box 77808 Baton Rouge, LA 70809</small> <small>Ph. (225)756-3271 Fax (225)756-1030</small>		<small>PURCHASE ORDER NUMBER</small> <small>DRAWING NUMBER</small> CP1443 <small>SHEET NUMBER</small> 5	
	Project Title	DUPLEX PUMP CONTROL PANEL					