
COX

Research and Technology, Inc.

DUPLEX PUMP CONTROL PANEL REDMOND LIFT STATION

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

VOLTAGE	240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	10	
FLA	28	
TYPE OF PUMP	Self-Priming	(Self-Priming, Submersible)
MANUFACTURER	GR	
CATALOG NUMBER		
CONTROL VOLTAGE	24V	(120V, Other)
ENCLOSURE	NEMA 4	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Painted Steel	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	Floats	(Floats, Bubbler, Other)
CAPACITORS	No	(Yes, No)
CAPACITOR WIRING FIGURE		
THERM. & SEAL FAIL WIRING FIGURE		

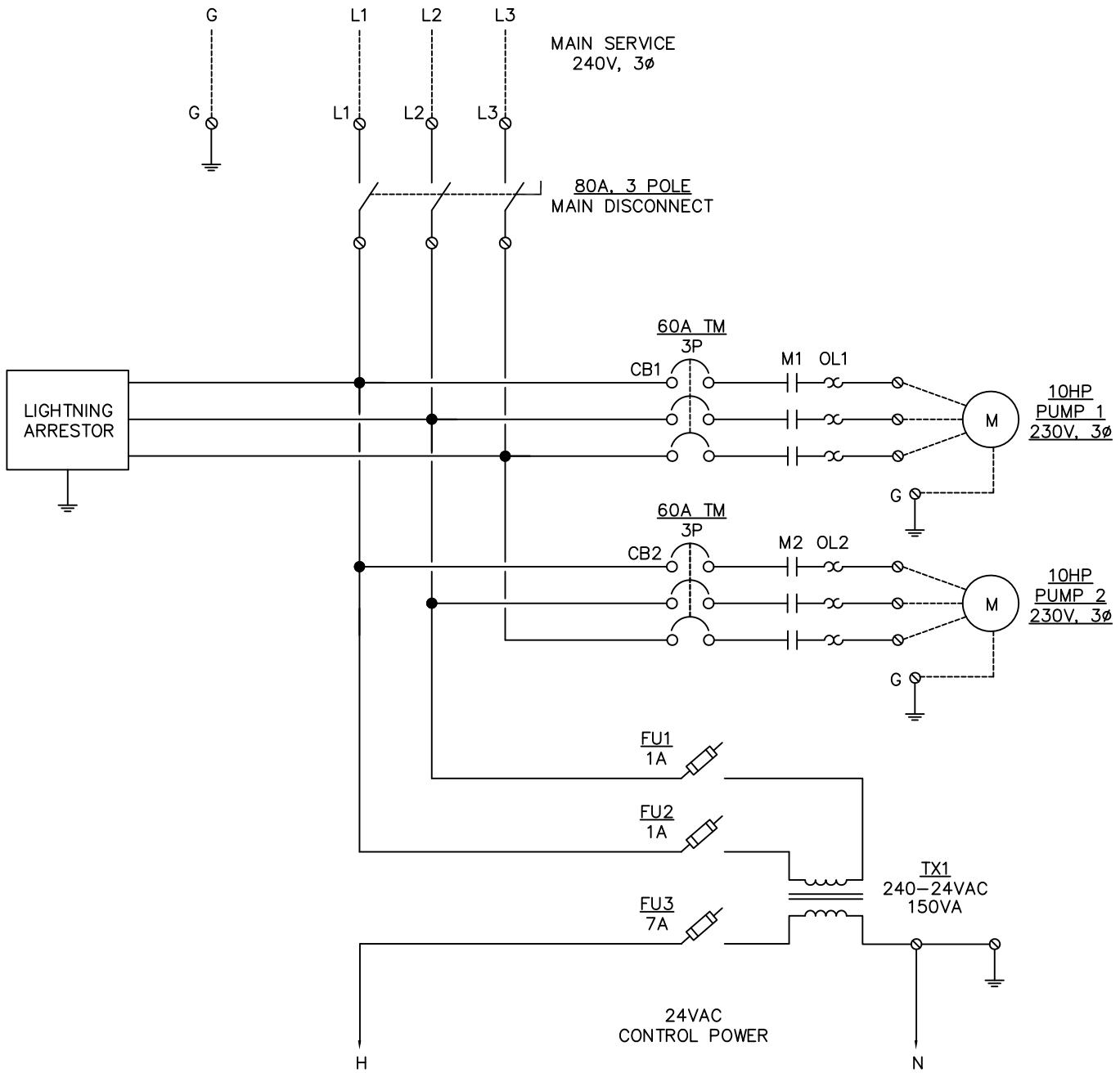
OPTIONS:

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		
NEMA RATED STARTERS		
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		

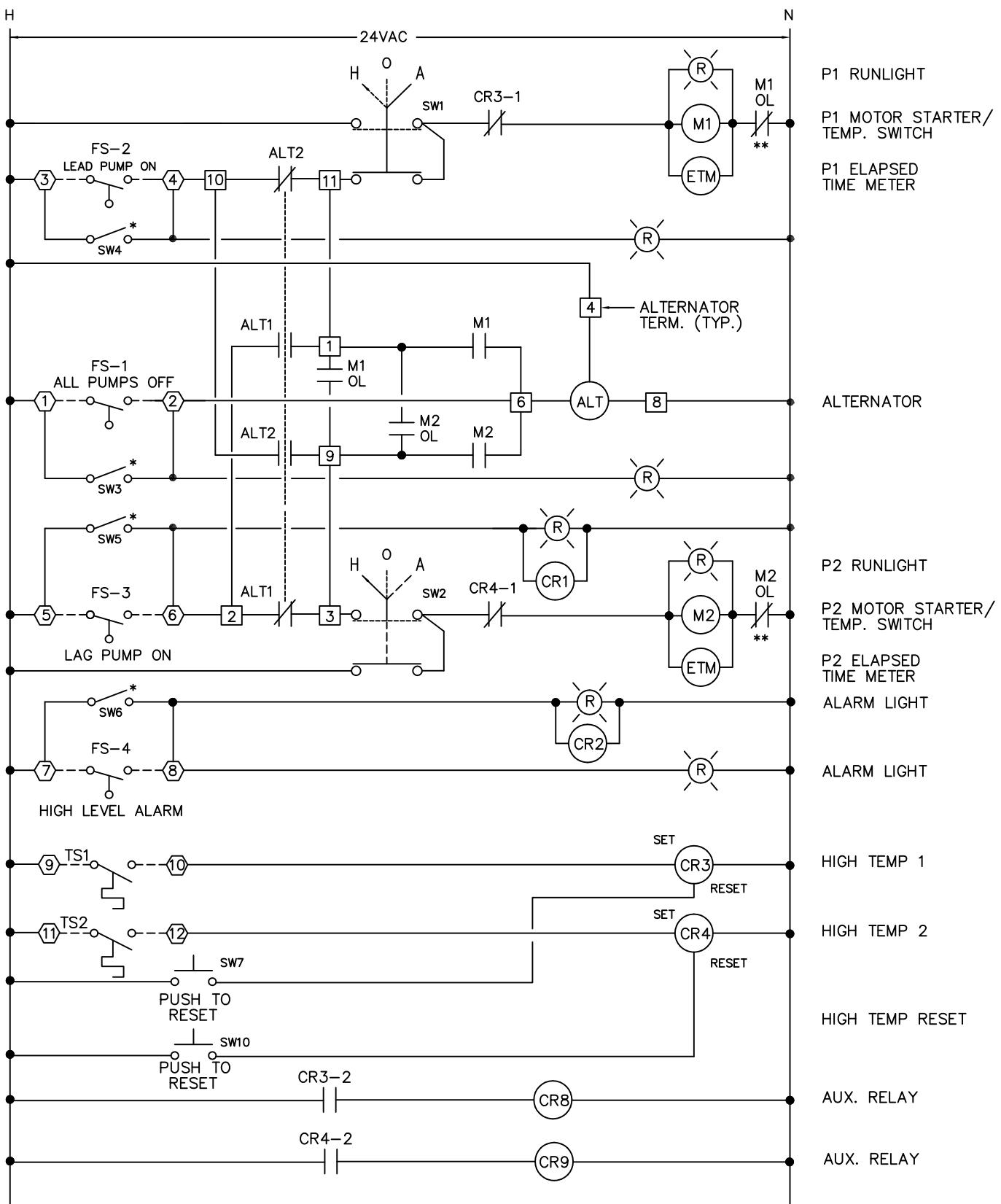
SOLD TO: Delta Process - Ruston, LA
TAG : Redmond Lift Station

SHIP TO: Pump & Power Equipment

	Drawing Title PANEL DESCRIPTION					ECN	DATE	BY
		REFERENCE DRAWING	NO.	REVISION-LOCATION				
DATE 11/27/02	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED			
		C.C.	R.C.	BY CTR	BY DATE			
	Project Title DUPLEX PUMP CONTROL PANEL	<u>COX</u> Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809	Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1496 SHEET NUMBER 1		



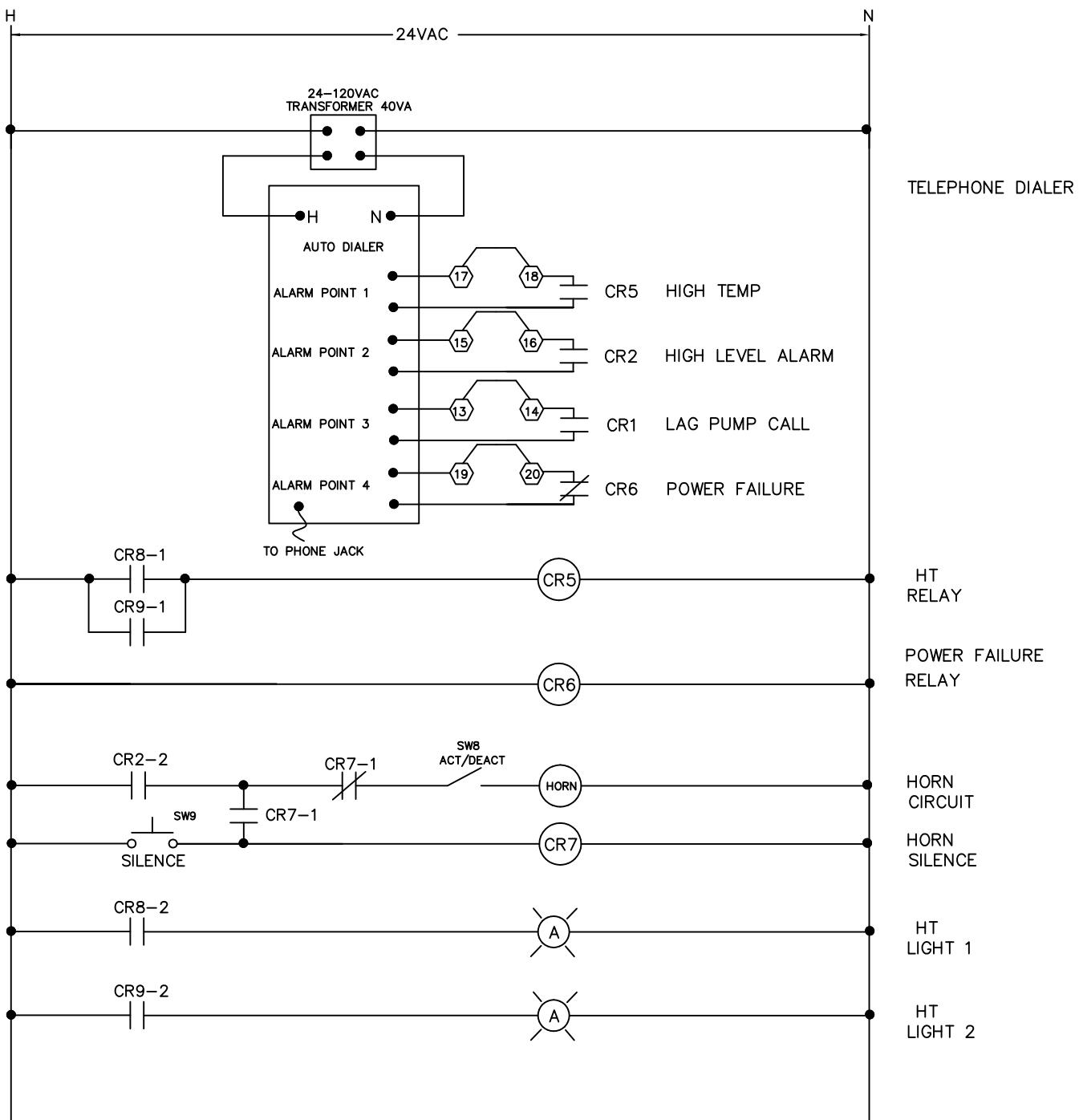
	Drawing Title						
	POWER DIAGRAM						
DATE 11/27/02	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY CTR	DATE APPROVED BY DATE		
	Project Title DUPLEX PUMP CONTROL PANEL		COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1496 SHEET NUMBER 2		



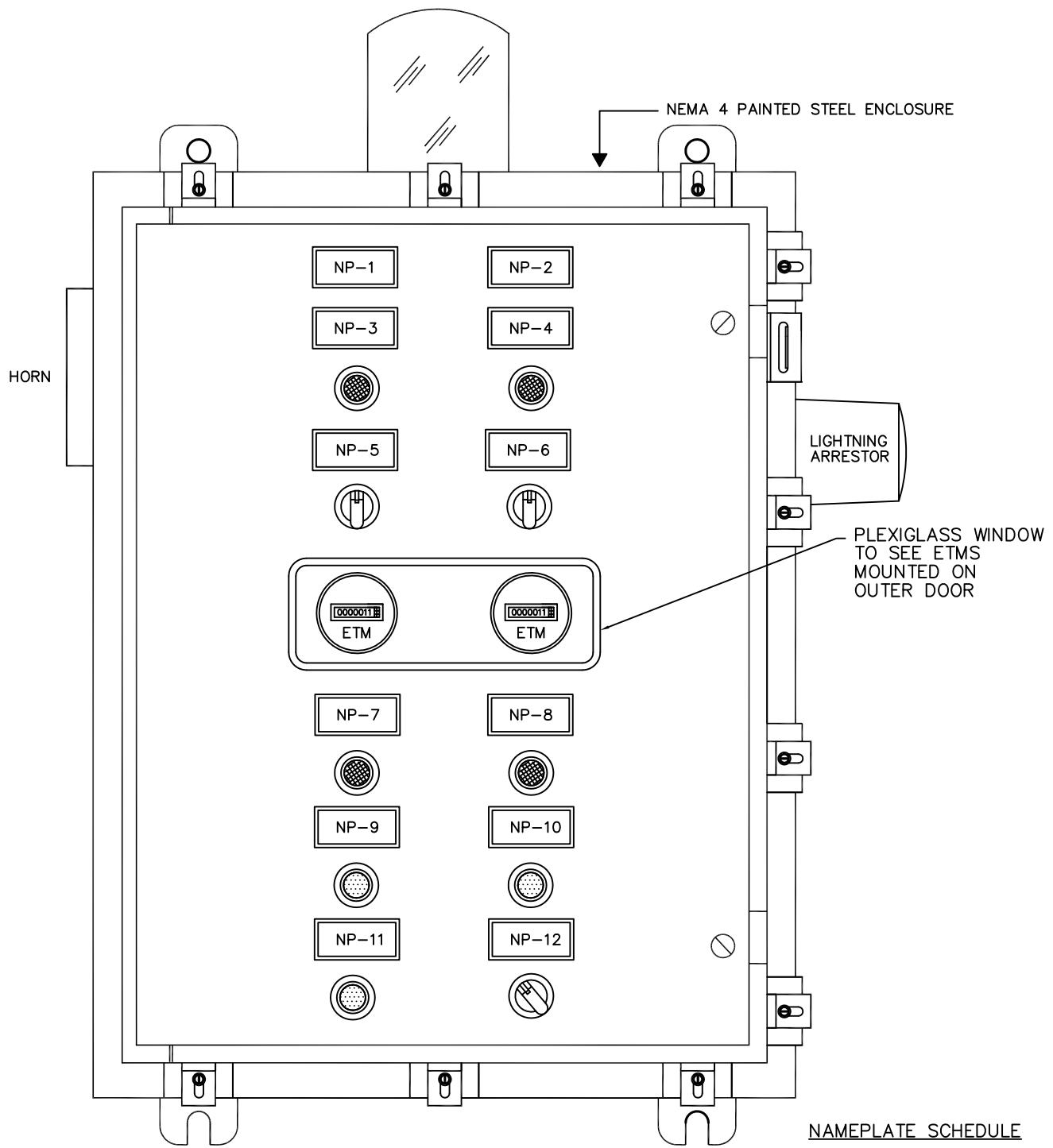
* FLOAT TEST SWITCHES LOCATED ON BACKPLATE OF CONTROL PANEL

** OVERLOAD RESET BUTTON LOCATED ON OVERLOAD

Drawing Title								
	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
DATE 11/27/02	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY CTR	APPROVED BY DATE			
Project Title DUPLEX 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)756-1030	DRAWING NUMBER CP-1496		
						SHEET NUMBER 3		



	Drawing Title CONTROL DIAGRAM				
DATE 11/27/02	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY CTR	DATE APPROVED BY DATE
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NAMEPLATE SCHEDULE

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN
NP-5	HOA
NP-6	HOA
NP-7	HIGH TEMP
NP-8	HIGH TEMP
NP-9	HIGH TEMP RESET
NP-10	HIGH TEMP RESET
NP-11	HORN SILENCE
NP-12	HORN DEACT/ACT

VIEW OF SWING OUT PANEL

NOTE:

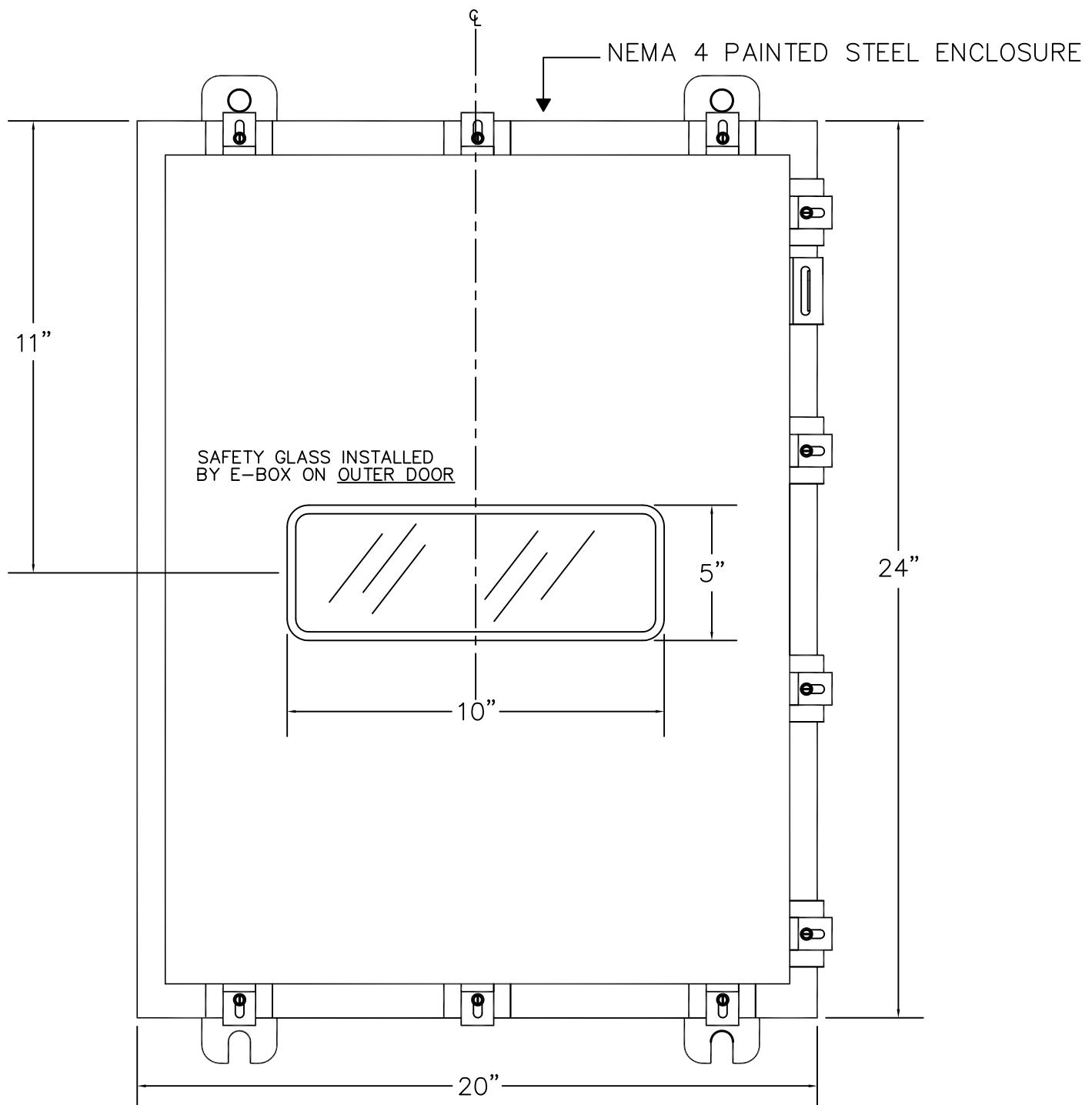
SEWER GASSES WILL DESTROY COMPONENTS IN PANEL.
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE
PANEL TO PREVENT ENTRY OF GASSES.

	Drawing Title					
	ENCLOSURE					
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE BY
DATE 11/27/02	S/N	Sales Engineer	Application Engineer	DRAWN BY CTR	APPROVED BY DATE	
	C.C.	R.C.				
	Project Title		COX		PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL		Research and Technology, Inc.		DRAWING NUMBER CP-1496	
					SHEET NUMBER 5	

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	242010N4W/WINDOW	ENCLOSURE W/WINDOW KIT
1a	1	EBE	A2420P	BACKPLATE
1b	1	EBE	A2420SP	DEAD FRONT
2	1	ABB	OT63E3	MAIN DISC. SWITCH
3	2	ABB	A30-30-10-81	MOTOR STARTER
4	2	ABB	TA25DU32	O.L. RELAY (24-32A)
5	2	SQUARE D	QOU360	CB1, CB2
6	1	DIVERSIFIED	ARB24ADA	ALTERNATING RELAY
7	2	ACI	JR22FR	RED PILOT LIGHT
8	2	ACI	JR22FA	AMBER PILOT LIGHT
9	2	ACI	JR22P3M20B	HOA SWITCH
10	1	AC/DC	BL5-R-24	ALARM LIGHT
11	2	GRASSLIN	UWZ48E	FLAPSED TIME METER
12	1	SENSAPHONE	1104	AUTO DIALER
13	2	ACI	JR22AN11B	PB
14	4	EZ-SWITCH	STOCK	TOGGLE SWITCH
15	4	SYLVANIA	30099	PILOT LIGHT
16	1	DONGAN	50-0150-52	TRANSFORMER
17	1	STEVECO	90-T40F3	TRANSFORMER
18	1	CH	CHSA03	LIGHTNING ARRESTOR
19	1	EDWARDS	870PG5	HORN
20	2	MAGNACRAFT	W250AML2CPX-8	LATCHING
21				
22				
23				
24				
25				

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							CP-1496		
					SHEET NUMBER		6		



VIEW OF FRONT DOOR

NOT TO SCALE

242010N4W/WINDOW ENCLOSURE
A2420P BACKPLATE
A2420SP DEAD FRONT

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