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# COX

Research and Technology, Inc.

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## TRIPLEX PUMP CONTROL PANEL ANGELINA

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

VOLTAGE	277/480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	3	
HP	5	
FLA	7.6A	
TYPE OF PUMP	Self-Priming	(Self-Priming, Submersible)
MANUFACTURER	G.R.	
CATALOG NUMBER		
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 3R	(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	N/A	
THERM. & SEAL FAIL WIRING FIGURE	N/A	

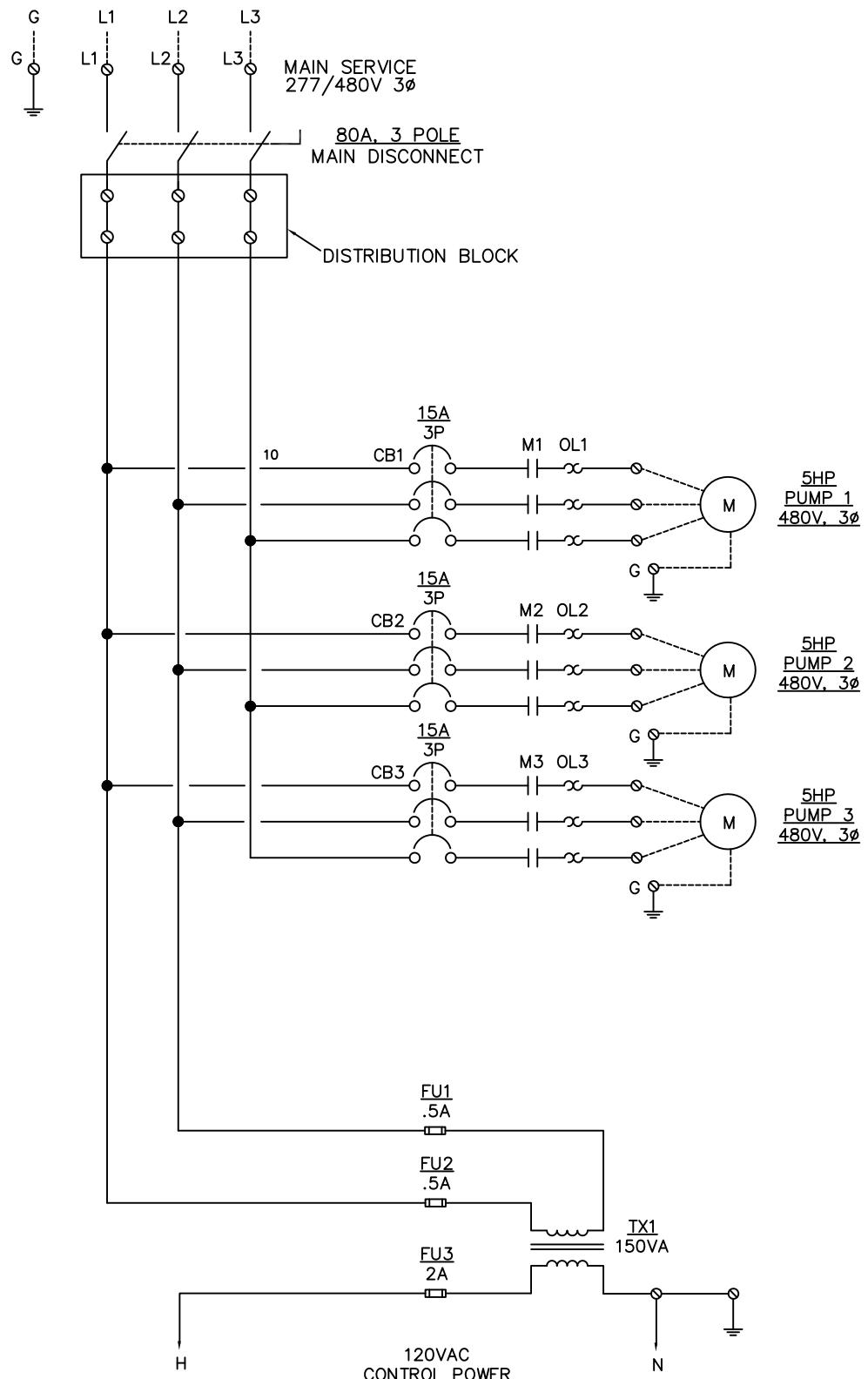
OPTIONS:

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	_____	
ALARM LIGHT	_____	
LIGHT PANEL MTD	_____	
LIGHT REMOTE MTD	_____	
LIGHT FLASHER	_____	
LIGHTNING ARRESTER	_____	
ELAPSED TIME METER	_____	
PHASE MONITOR	_____	
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	_____	

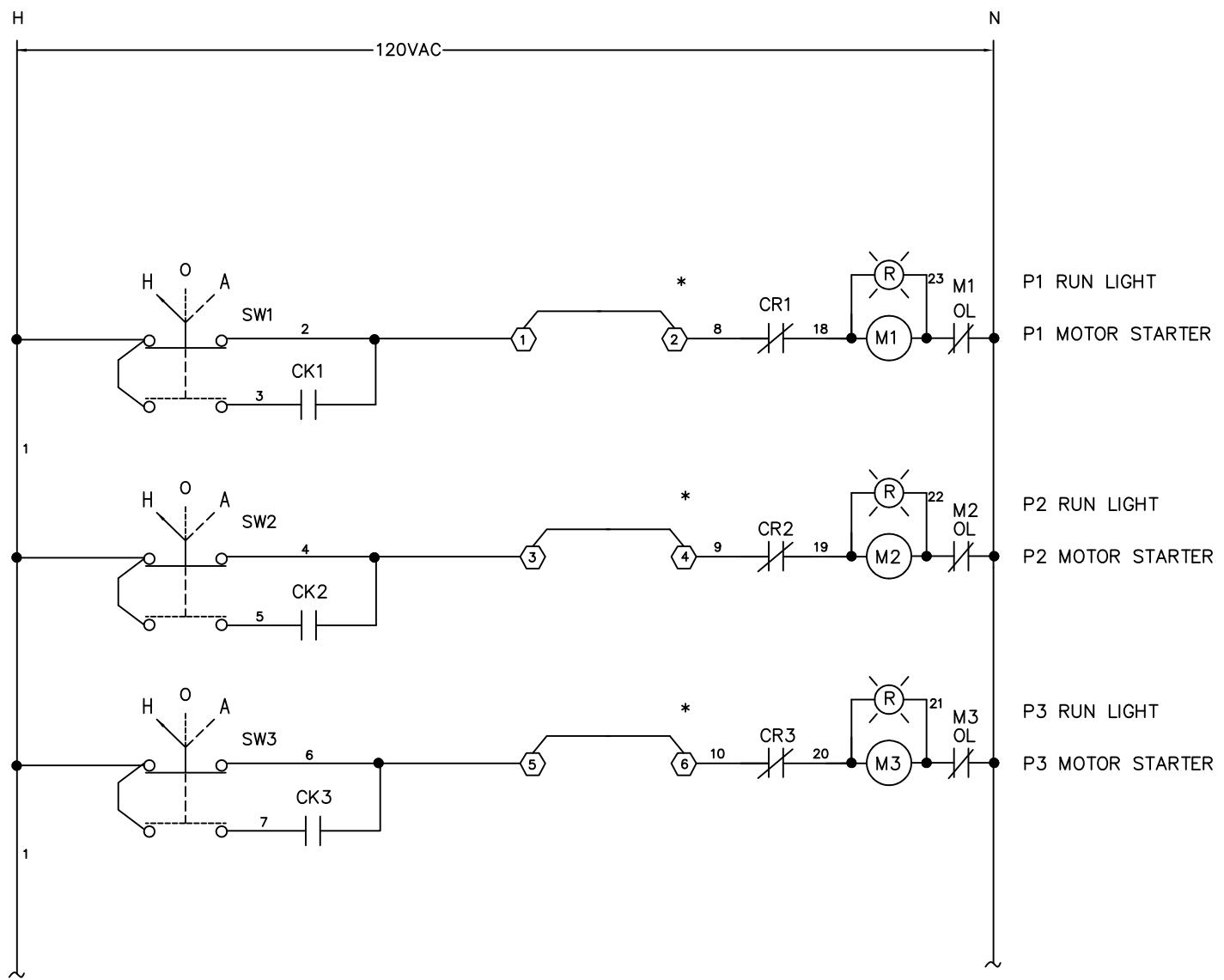
SOLD TO: CF Engineered Equipment  
 TAG : Angelina

SHIP TO:  
 \_\_\_\_\_  
 \_\_\_\_\_

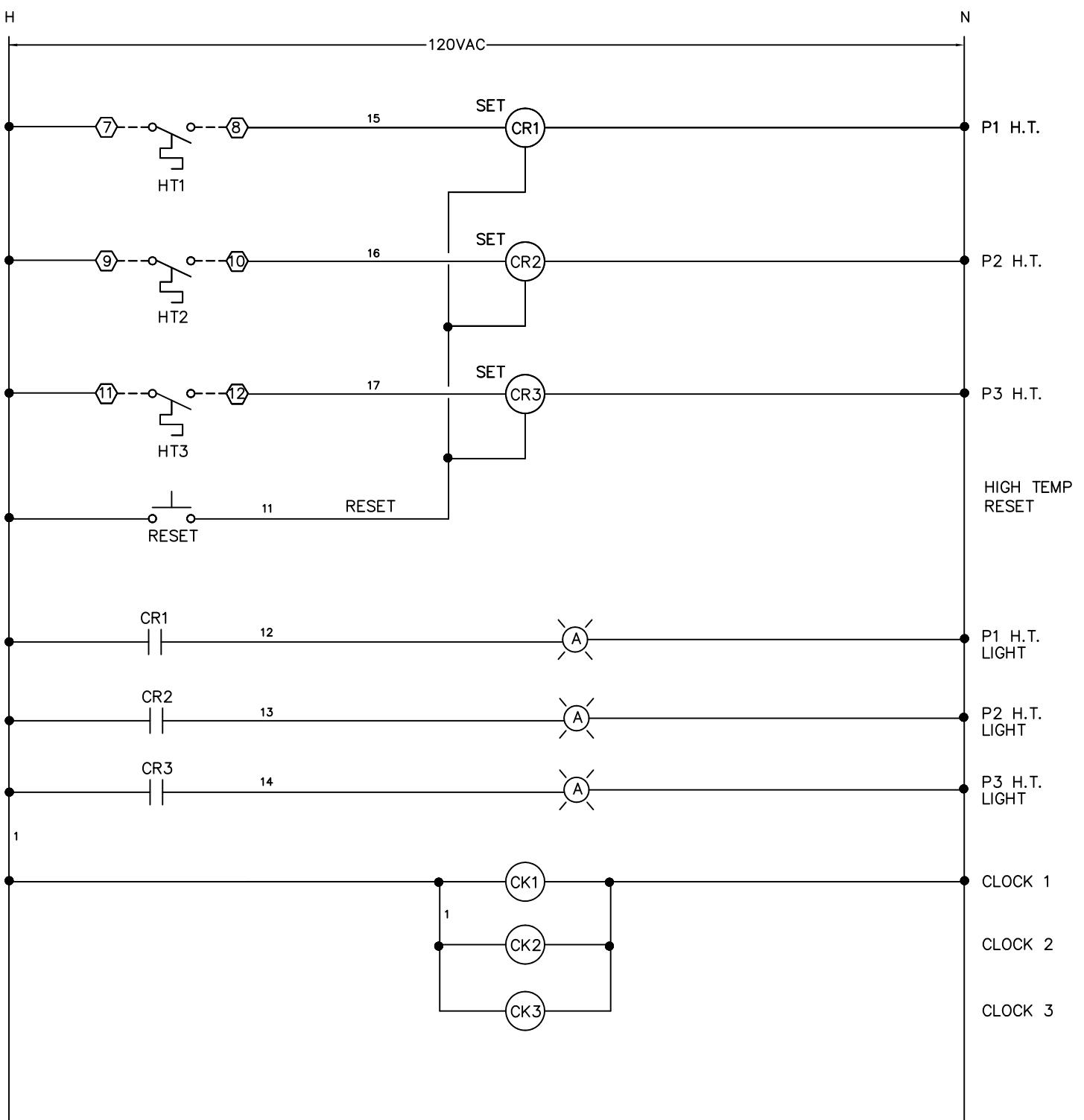
	Drawing Title						
	PANEL DESCRIPTION						
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 12/06/02		S/N	Sales Engineer	Application Engineer	DRAWN BY CTR	APPROVED BY DATE	
	C.C.	R.C.					
	Project Title	COX	P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER			
	TRIPLEX PUMP CONTROL PANEL	Research and Technology, Inc.	Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1505			
				SHEET NUMBER 1			



	Drawing Title  <b>POWER DIAGRAM</b>					
DATE 12/06/02	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY CTR	DATE APPROVED BY DATE	BY
Project Title  <b>TRIPLEX PUMP CONTROL PANEL</b>		<b>COX</b> 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-1505  SHEET NUMBER 2	

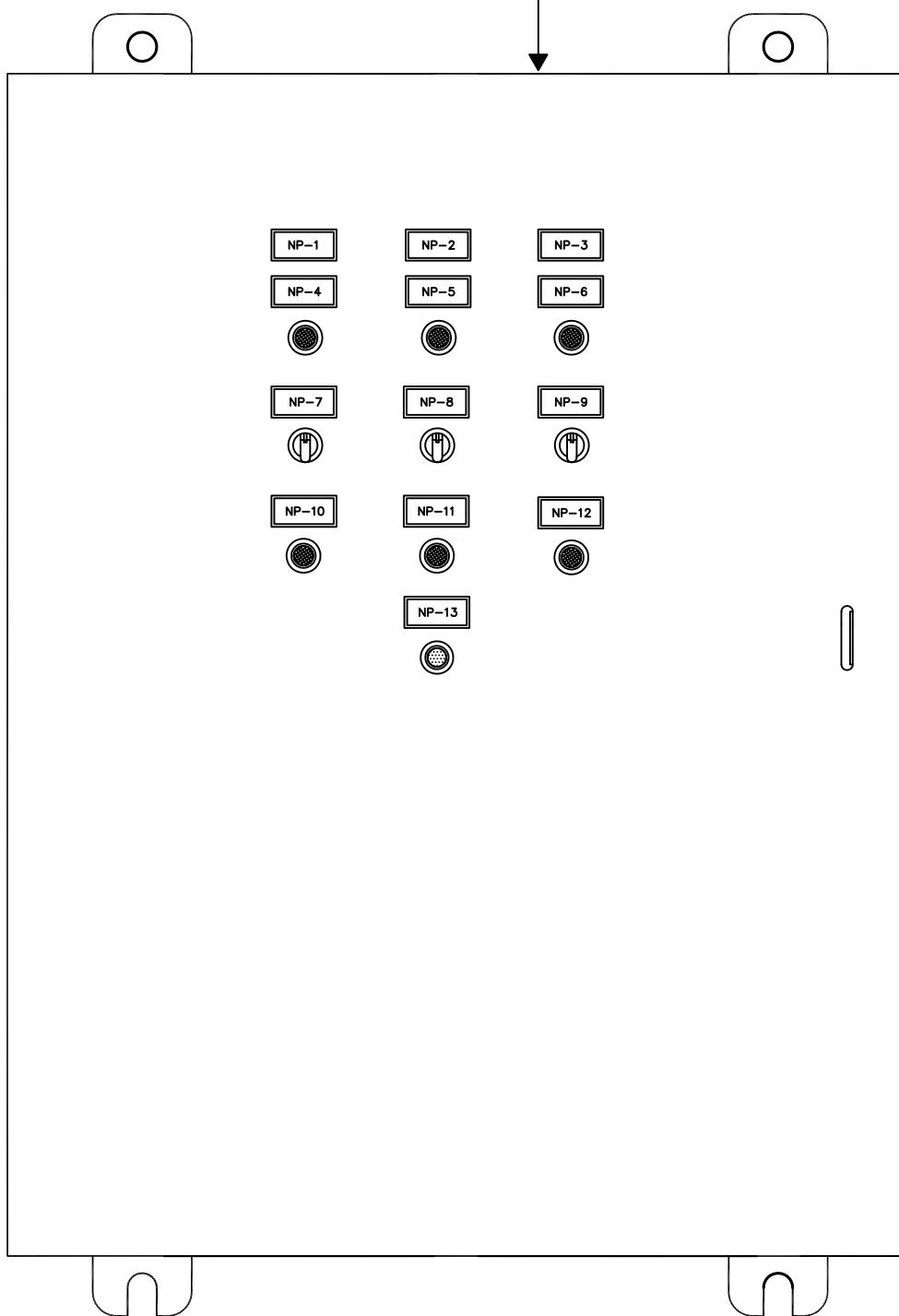


	Drawing Title						
	CONTROL DIAGRAM						
DATE 12/06/02	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY CTR	DATE APPROVED BY DATE	BY	
	Project Title	<hr/> <hr/> <hr/> COX Research and Technology, Inc. <hr/> <hr/>			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
	TRIPLEX PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1505	
						SHEET NUMBER 3	



	Drawing Title  CONTROL DIAGRAM					
DATE 12/06/02	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY CTR	DATE APPROVED BY DATE	BY
	Project Title  TRIPLEX 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-1505  SHEET NUMBER 4	

NEMA 3R PAINTED STEEL ENCLOSURE



VIEW OF FRONT OUTER DOOR  
OF CONTROL PANEL

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

NAMEPLATE SCHEDULE

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	PUMP 3
NP-4	RUN
NP-5	RUN
NP-6	RUN
NP-7	HOA
NP-8	HOA
NP-9	HOA
NP-10	HIGH TEMP
NP-11	HIGH TEMP
NP-12	HIGH TEMP
NP-13	HIGH TEMP RESET

	Drawing Title						
	ENCLOSURE						
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 12/06/02	S/N	Sales Engineer	Application Engineer	DRAWN BY CTR	APPROVED BY DATE		
	C.C.	R.C.					
	Project Title	<hr/> <hr/> <hr/> <b>COX</b> <hr/> <hr/>			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
	TRIPLEX PUMP CONTROL PANEL					DRAWING NUMBER CP-1505	
						SHEET NUMBER 5	

## BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	363010REPL	3R P.S. ENCLOSURE
1a	1	EBE	A3630P	BACK PLATE
2	3	ABB	S1N015TL	CB 1,2,3 3P 15A
3	3	SQD	8536SC03V02	MS 1,2,3 SIZE 1
4	9	SQD	B12.8	O.L. 1,2,3
5	1	SQD	9070TF150D1	TRANSFORMER 150 VA
6	3	ACI	JR22P3M20B	HOA SWITCH
7	3	ACI	JR22FR	PILOT LIGHT RED
8	3	ACI	JR22FY	PILOT LIGHT AMBER
9	1	ACI	JR22AN11B	PUSH BUTTON
10	3	P&B	KUL11A15S120	LATCHING RELAY
11	1	ABB	OT6.3E3	DISCONNECT SWITCH
12	3	GRASSLIN	STUZH-L 120/60	24 HOUR TIMER
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				

\* SPECIFY MOTOR NAMEPLATE CURRENT FOR PROPER SELECTION  
OF OVERLOAD ELEMENTS. MOTOR NAMEPLATE CURRENT = 7.6 AMPS

	Drawing Title						
	<b>BILL OF MATERIALS</b>						
DATE 12/06/02	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY CTR	ECN	DATE APPROVED BY DATE		
	Project Title <b>TRIPLEX PUMP CONTROL PANEL</b>	<b>COX</b> 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-1505 SHEET NUMBER 6		