
COX

Research and Technology, Inc.

DUPLEX BLOWER/
DUPLEX PUMP
CONTROL PANEL
CHIMP HAVEN

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

CP-1730


VOLTAGE	277/480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2/2	
HP	2/3	
FLA	4/4.8	
TYPE OF PUMP	Submersible/Blower	(Self-Priming, Submersible)
MANUFACTURER	Barnes/Houston Armature	
CATALOG NUMBER	SGVH2042L/	
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 4X	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Fiberglass	(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		

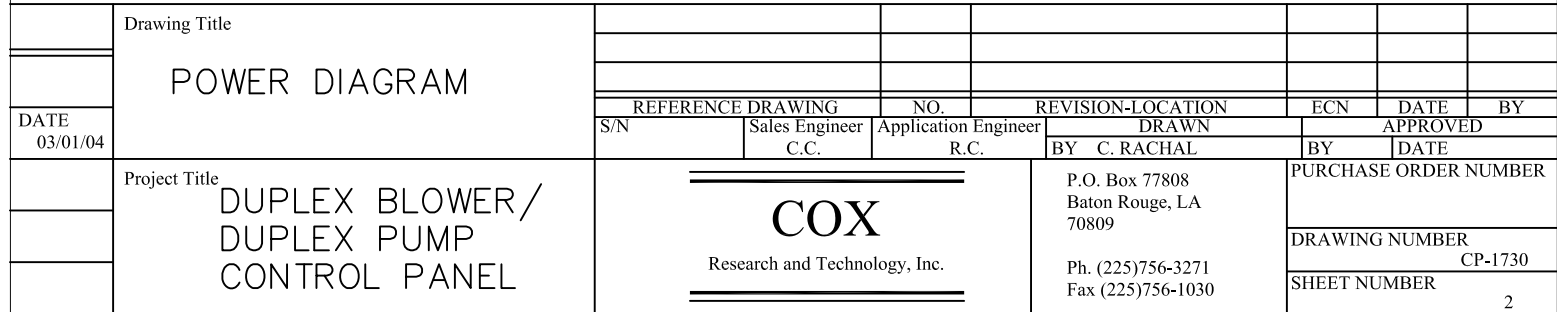
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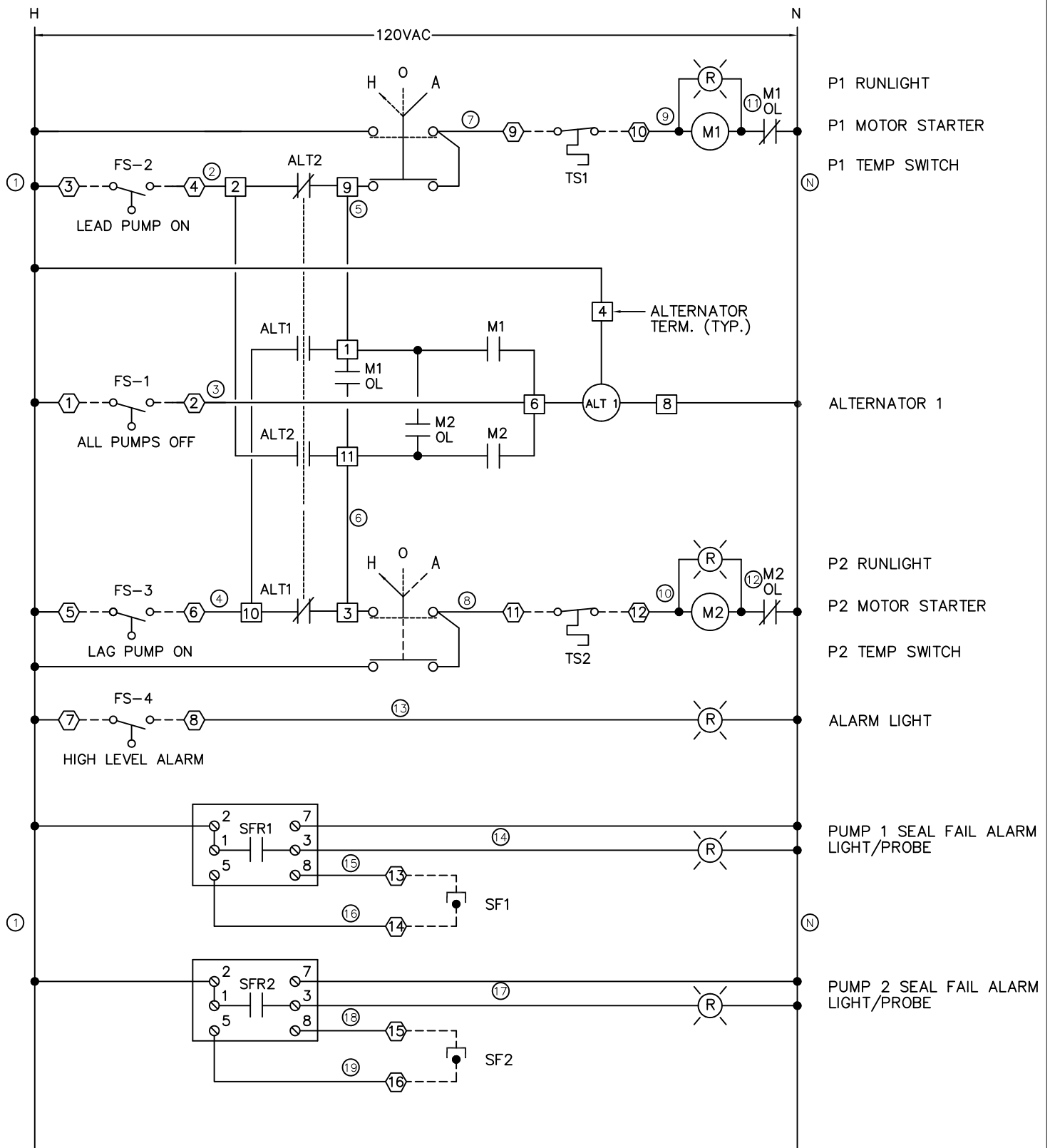
SEAL FAIL LIGHTS	X	(Submersible Only)
SEAL FAIL RELAYS	X	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN	X	(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER		
ELAPSED TIME METER		
PHASE MONITOR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

SOLD TO: Delta Process - Denham Springs, LA
TAG : Chimp Haven

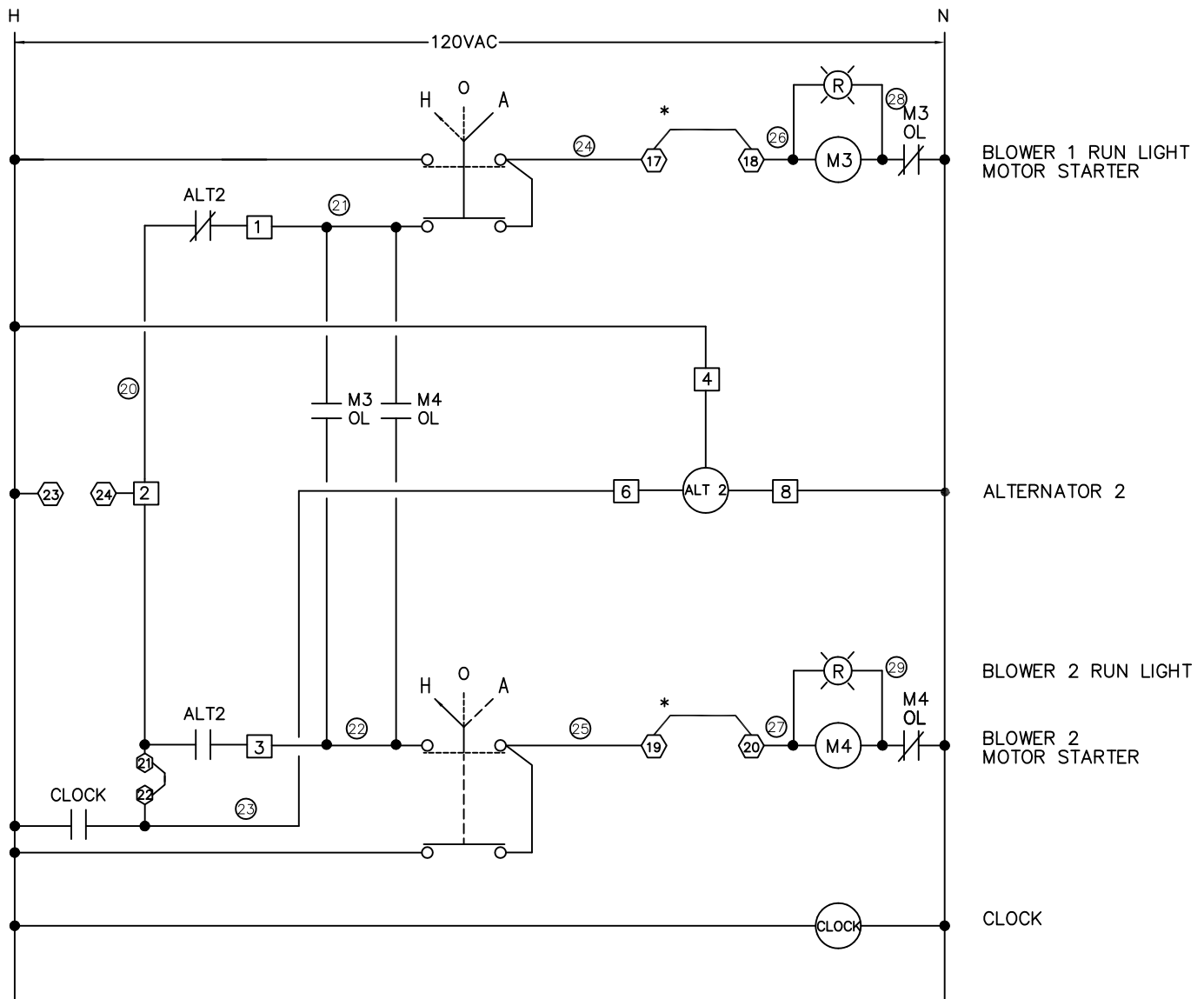
SHIP TO: Delta Process - Denham Springs, LA

	Drawing Title						
	PANEL DESCRIPTION						
DATE 03/01/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title DUPLX BLOWER/ DUPLX PUMP CONTROL PANEL	<div style="text-align: center;">  Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER DRAWING NUMBER CP-1730 SHEET NUMBER 1





	Drawing Title								
	CONTROL DIAGRAM								
DATE	03/01/04	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	APPROVED	
		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL	BY	DATE		
	Project Title	COX			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER		
	DUPLEX BLOWER/ DUPLEX PUMP CONTROL PANEL	Research and Technology, Inc.			Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1730		
							SHEET NUMBER 3		



PANEL IS DESIGNED TO RUN AERATORS WITH A MINIMUM OF 15 MINUTES OF OFF TIME BETWEEN ALTERNATION. PINS PUSHED OUT ON CLOCK INDICATE RUN TIME. PINS PUSHED IN INDICATE OFF TIME. EACH PIN IS EQUAL TO 15 MINUTES.

IF NO OFF TIME IS REQUIRED BETWEEN ALTERNATION, REMOVE JUMPER FROM TERMINALS ⑤ AND ⑥ PLACE JUMPER ACROSS TERMINALS ⑦ AND ⑧ NOW AERATORS WILL RUN CONTINUOUSLY. SET 1 PIN IN AT THE TIME YOU WISH THE AERATORS TO ALTERNATE. ALL REMAINING PINS SHOULD BE PUSHED OUT.

* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

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	CONTROL DIAGRAM								
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	Project Title DUPLIX BLOWER/ DUPLIX 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-1730 SHEET NUMBER 4		

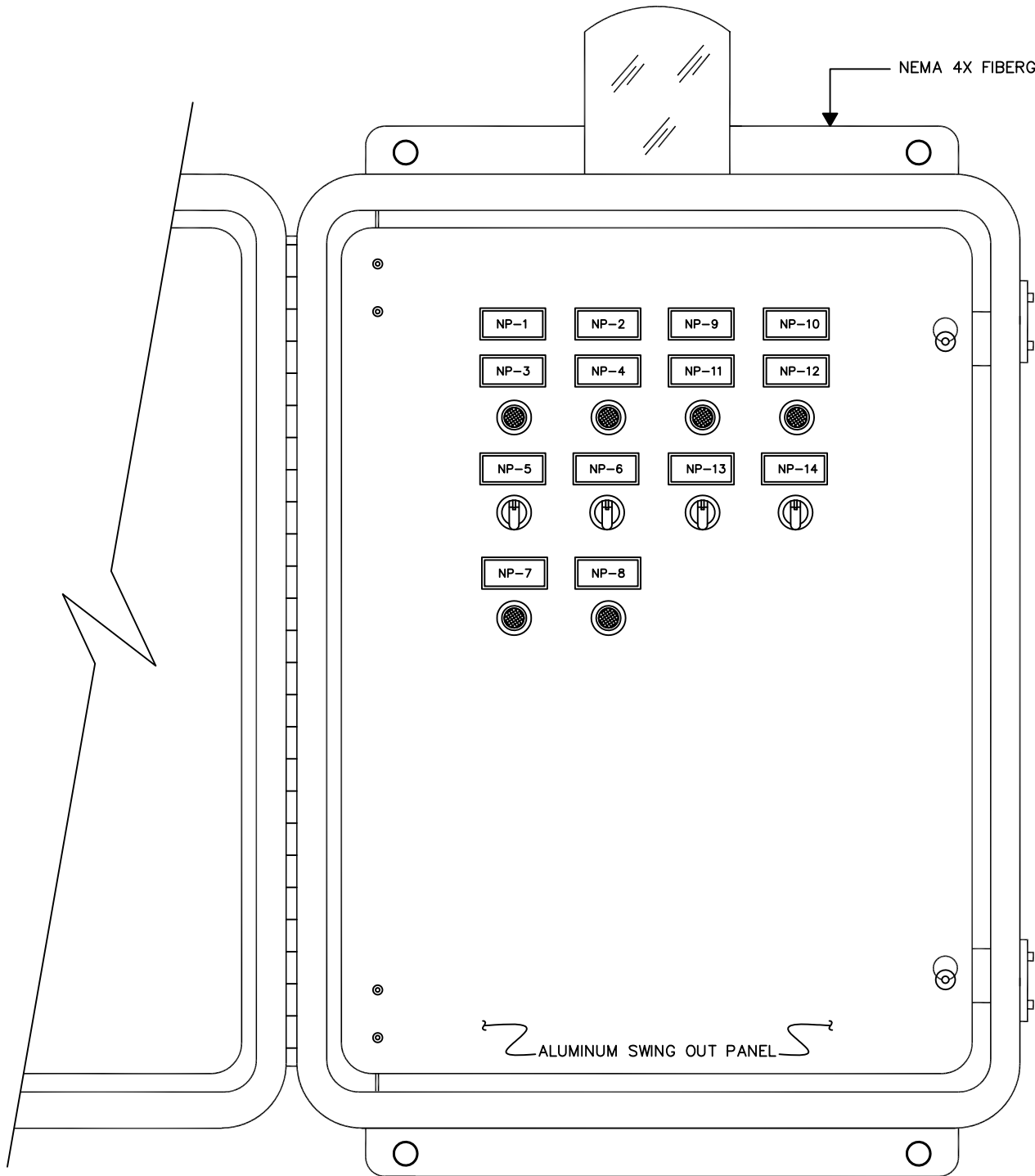
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NEMA 4X FIBERGLASS ENCLOSURE



VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

NP-1	PUMP 1	NP-9	BLOWER 1
NP-2	PUMP 2	NP-10	BLOWER 2
NP-3	RUN	NP-11	RUN
NP-4	RUN	NP-12	RUN
NP-5	HOA	NP-13	HOA
NP-6	HOA	NP-14	HOA
NP-7	SEAL FAIL		
NP-8	SEAL FAIL		

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 03/01/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL		ECN BY	DATE DATE
	Project Title DUPLEX BLOWER/ DUPLEX PUMP CONTROL PANEL	<div>COX</div> <div>Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER	
							DRAWING NUMBER CP-1730	
							SHEET NUMBER	
							5	

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	ALLIED	AM24200RL	ENCLOSURE
1a	1	ALLIED	A2420P	BACKPLATE
2	1	ABB	OT63E3	MAIN DISC. SWITCH
3	4	ABB	A16-30-11-84	MOTOR STARTER
4	4	ABB	TA25DU5.0	O.L. RELAY (3.5-5.0A)
5	4	ABB	S1N015TL	CB1, CB2
6	1	SQUARE D	9070TF150D1	TRANSFORMER
7	2	TIMEMARK	261DT120	ALTERNATING RELAY
8	6	ACI	JR22FR	RED PILOT LIGHT
9	4	ACI	JR22P3M20B	HOA SWITCH
10	1	AC/DC	BL5-R-120	ALARM LIGHT
11	2	SSAC	LLC54AA	SEAL FAIL RELAY
12	1	GRASSLIN	FM1/STUZZL	CLOCK
13				
14				
15				
16				
17				
18				
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21				
22				
23				
24				
25				

	Drawing Title						
	<h2 style="margin: 0;">BILL OF MATERIALS</h2>						
DATE 03/01/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY
	Project Title	<div style="font-size: 2em; font-weight: bold; margin: 0;">COX</div> <div style="font-size: 0.8em; margin: 0;">Research and Technology, Inc.</div>			<div style="font-size: 0.8em; margin: 0;">P.O. Box 77808 Baton Rouge, LA 70809</div> <div style="font-size: 0.8em; margin: 0;">Ph. (225)756-3271 Fax (225)756-1030</div>		<div style="font-size: 0.8em; margin: 0;">PURCHASE ORDER NUMBER</div> <div style="font-size: 0.8em; margin: 0;">DRAWING NUMBER CP-1730</div> <div style="font-size: 0.8em; margin: 0;">SHEET NUMBER 6</div>
	DUPLEX BLOWER/ DUPLEX PUMP CONTROL PANEL						