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COX

Research and Technology, Inc.

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DUPLEX PUMP  
CONTROL PANEL  
HAUGHTON MOBILE HOME PARK

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

CP-2159A

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	1/60	
NO. MOTORS	2	
HP	2	
FLA	15	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	BARNES	
CATALOG NUMBER	SGVF2022L-MS	

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	YES	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

OPTIONS:

SEAL FAIL LIGHTS	X	(Submersible Only)
SEAL FAIL RELAYS		(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	X	
ELAPSED TIME METER	X	
PHASE MONITOR		
NEMA RATED STARTERS		
GROUND FAULT RECPT.	X	
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		

SOLD TO: Delta Process - Bossier City, LA

TAG : Haughton Mobile Home Park

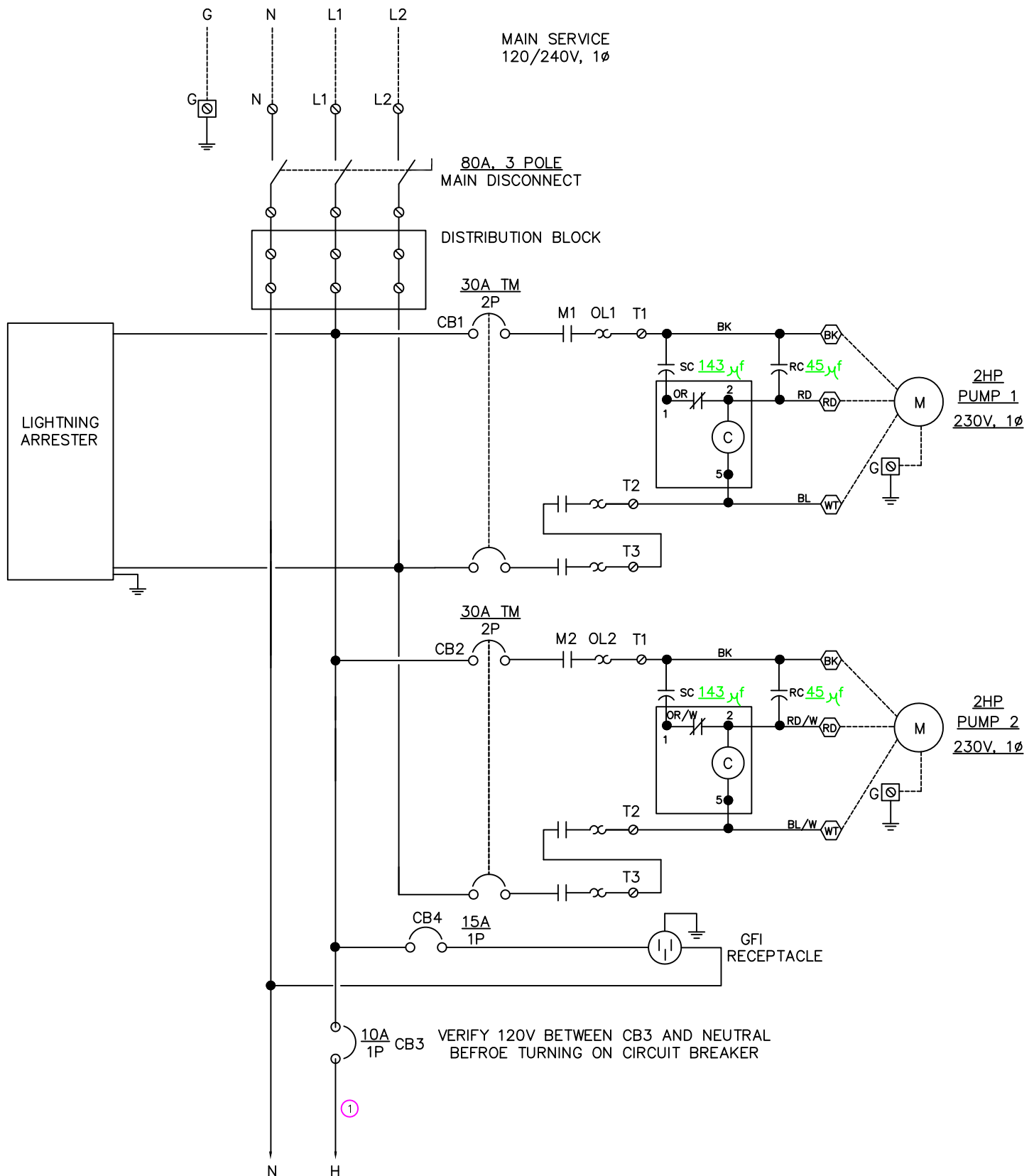
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SHIP TO: Delta Process - Ruston, LA

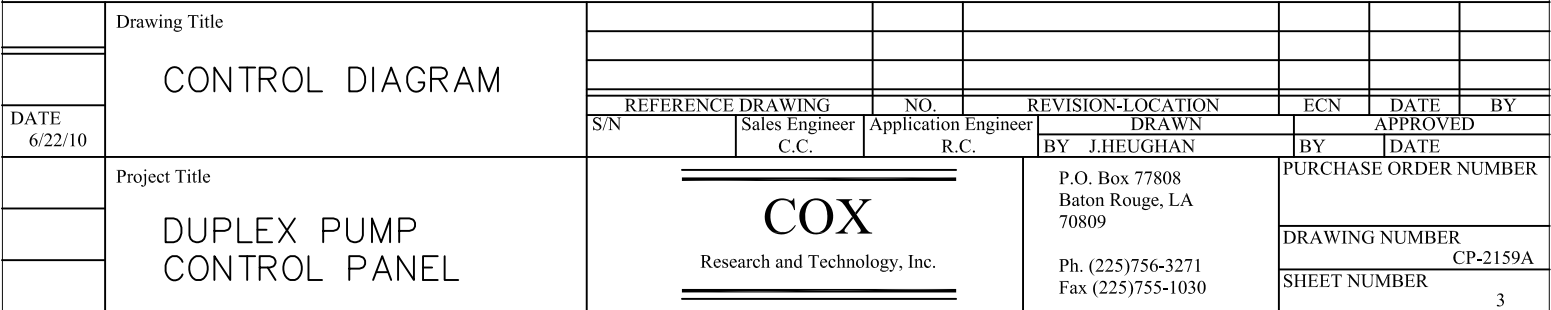
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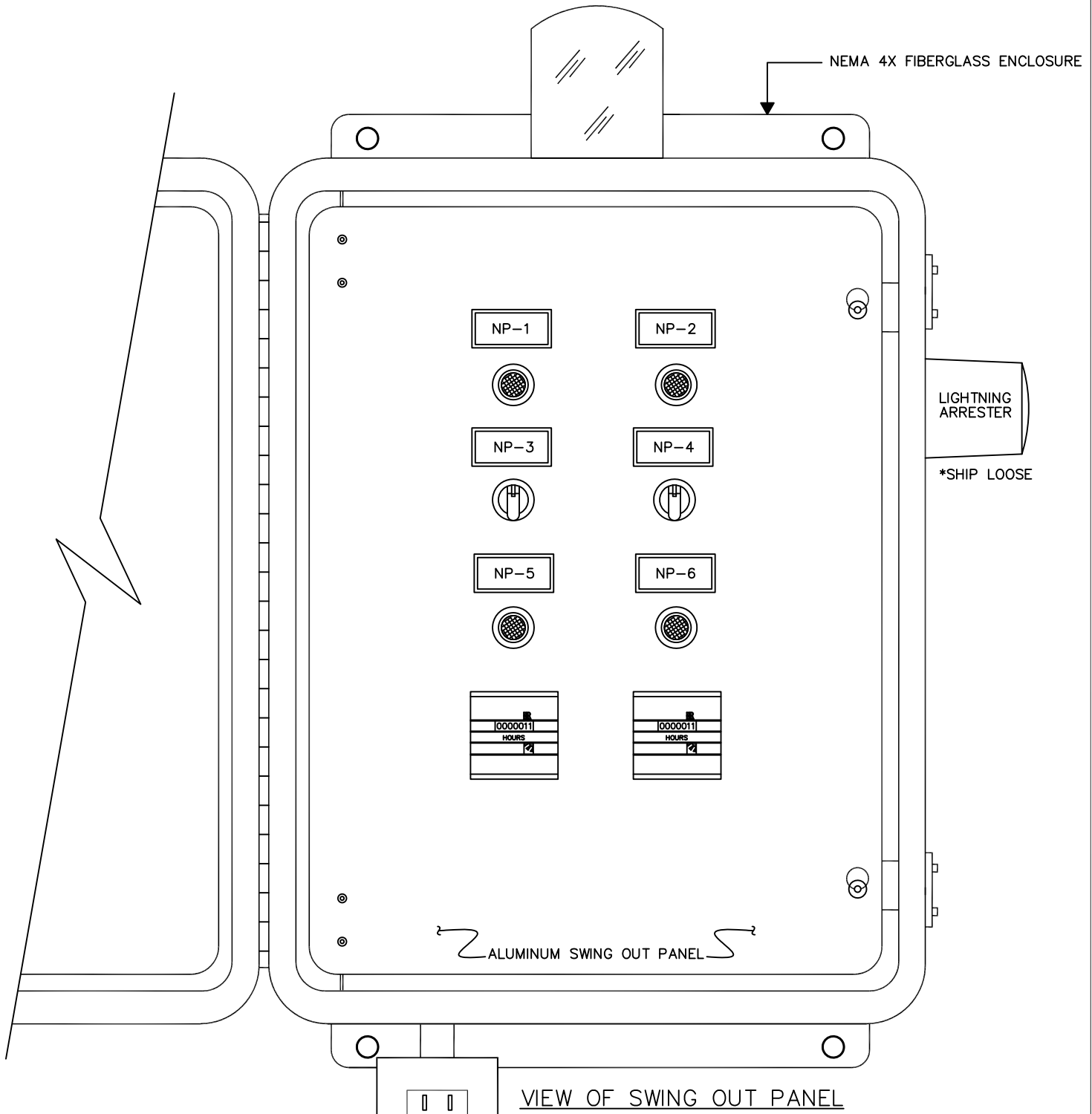
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	Drawing Title						
	PANEL DESCRIPTION						
DATE 6/22/10		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY J.HEUGHAN	ECN	DATE
	Project Title	<div>COX</div> <div>Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER
	DUPLEX PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-2159A
							SHEET NUMBER 1



	Drawing Title								
	POWER DIAGRAM								
DATE 6/22/10		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY J.HEUGHAN	ECN	DATE	BY	APPROVED
	Project Title	COX				PURCHASE ORDER NUMBER			
	DUPLEX PUMP CONTROL PANEL	Research and Technology, Inc.				DRAWING NUMBER CP-2159A			
		P.O. Box 77808 Baton Rouge, LA 70809				SHEET NUMBER 2			
		Ph. (225)756-2771 Fax (225)755-1030							





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

#### NAMEPLATE SCHEDULE

NP-1	PUMP 1/RUN
NP-2	PUMP 2/RUN
NP-3	HOA
NP-4	HOA
NP-5	SEAL FAIL
NP-6	SEAL FAIL

DATE 6/22/10	Drawing Title							
	ENCLOSURE							
Project Title	REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	DATE
	S/N		Sales Engineer		Application Engineer		BY	DATE
Project Title	C.C.		R.C.		BY J.HEUGHAN		APPROVED	
	PURCHASE ORDER NUMBER		DRAWING NUMBER		CP-2159A		SHEET NUMBER	
Project Title		COX		P.O. Box 77808 Baton Rouge, LA 70809		Ph. (225)756-3271 Fax (225)755-1030		4
Project Title		Research and Technology, Inc.						

# BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	1	ABB	OT80F3	MAIN DISC. SWITCH
3	2	ABB	A16-30-10-84	MOTOR STARTER
4	2	ABB	TA25DU19	O.L. (13-19A)
5	2	SQUARE D	QOU230	CB1, CB2
6	1	SQUARE D	QOU115	CB4
7	1	TIMEMARK	261DT120	ALTERNATING RELAY
8	4	ABB	CL513R	RED PILOT LIGHT
9	2	ABB	C3SS110B-20	HOA SWITCH
10	1	CONERY	R40-XLS	ALARM LIGHT
11	1	MARATHON	1323580	DISTRIBUTION BLOCK
12	2	REDINGTON	711-0190	ELAPSED TIME METER
13	1	DELTA	LA302	LIGHTNING ARRESTER
14	1	STOCK		GFI
15	2	CGE	2MET4	CAPACITOR
16	2	GE	2MEH6	CAPACITOR
17	2	GE	6X559	START RELAY
18	1	SQUARE D	QOU110	CB3
19				
20				
21				
22				
23				
24				
25				

	Drawing Title							
	<h2 style="margin: 0;">BILL OF MATERIALS</h2>							
DATE 6/22/10		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY J.HEUGHAN	ECN	DATE	BY
		<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 100px;"> <h3 style="margin: 0;">COX</h3> <p style="margin: 0; font-size: small;">Research and Technology, Inc.</p> </div>		<p style="margin: 0; font-size: small;">P.O. Box 77808 Baton Rouge, LA 70809</p> <p style="margin: 0; font-size: small;">Ph. (225)756-3271 Fax (225)755-1030</p>		<p style="margin: 0; font-size: small;">PURCHASE ORDER NUMBER</p> <hr/> <p style="margin: 0; font-size: small;">DRAWING NUMBER CP-2159A</p> <hr/> <p style="margin: 0; font-size: small;">SHEET NUMBER</p>		
	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 style="margin: 0; font-size: small;">P.O. Box 77808 Baton Rouge, LA 70809</p> <p style="margin: 0; font-size: small;">Ph. (225)756-3271 Fax (225)755-1030</p>			<p style="margin: 0; font-size: small;">PURCHASE ORDER NUMBER</p> <hr/> <p style="margin: 0; font-size: small;">DRAWING NUMBER CP-2159A</p> <hr/> <p style="margin: 0; font-size: small;">SHEET NUMBER</p>
	DUPLEX PUMP CONTROL PANEL				5			