
COX

Research and Technology, Inc.

DUPLEX PUMP CONTROL PANEL SAVANNA TRACE

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

CP-1533

VOLTAGE	277/480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	27	
FLA	34	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	G	
CATALOG NUMBER		
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	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		

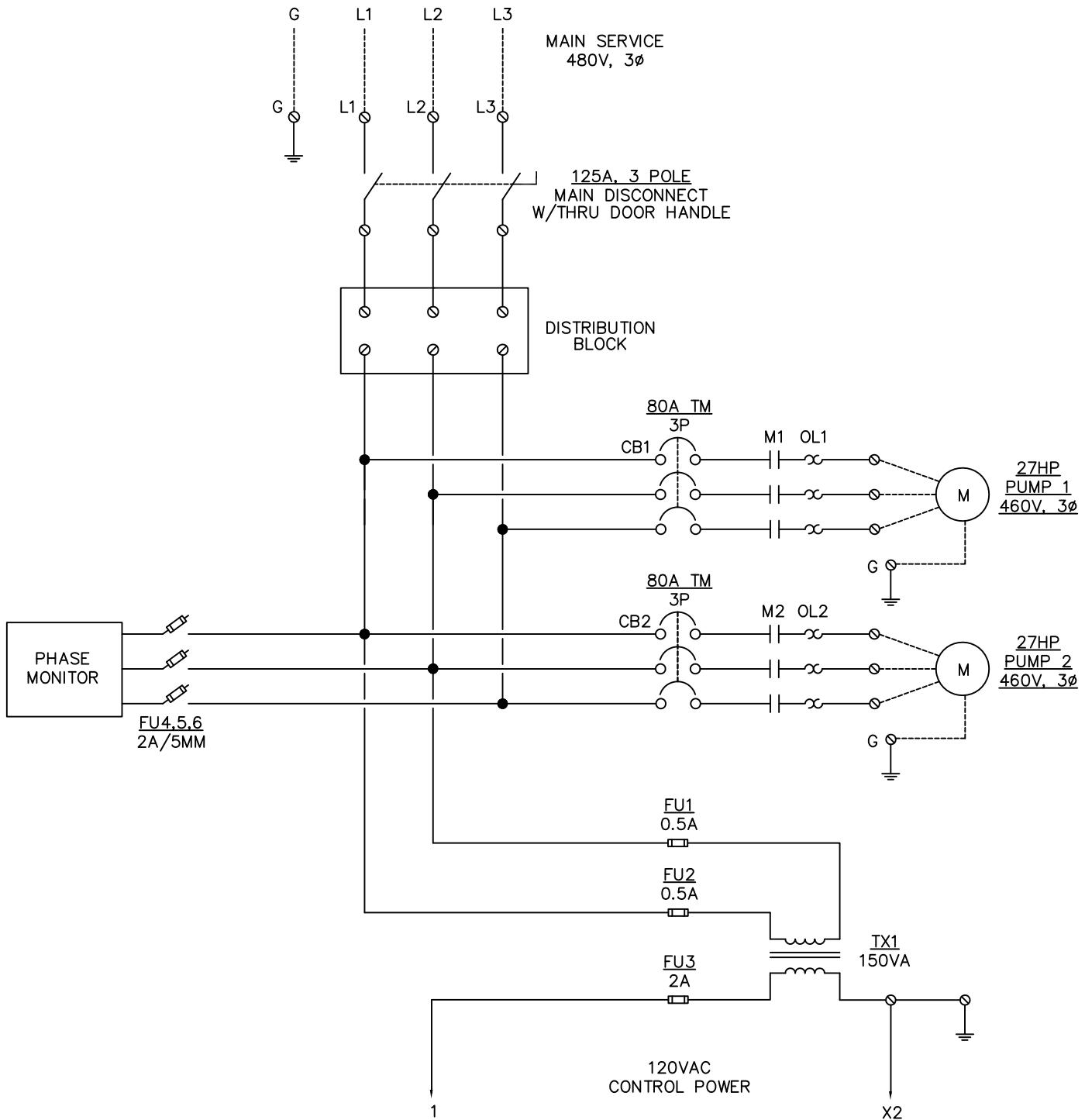
OPTIONS:

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	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER		
ELAPSED TIME METER	X	
PHASE MONITOR	X	
NEMA RATED STARTERS	X	
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		

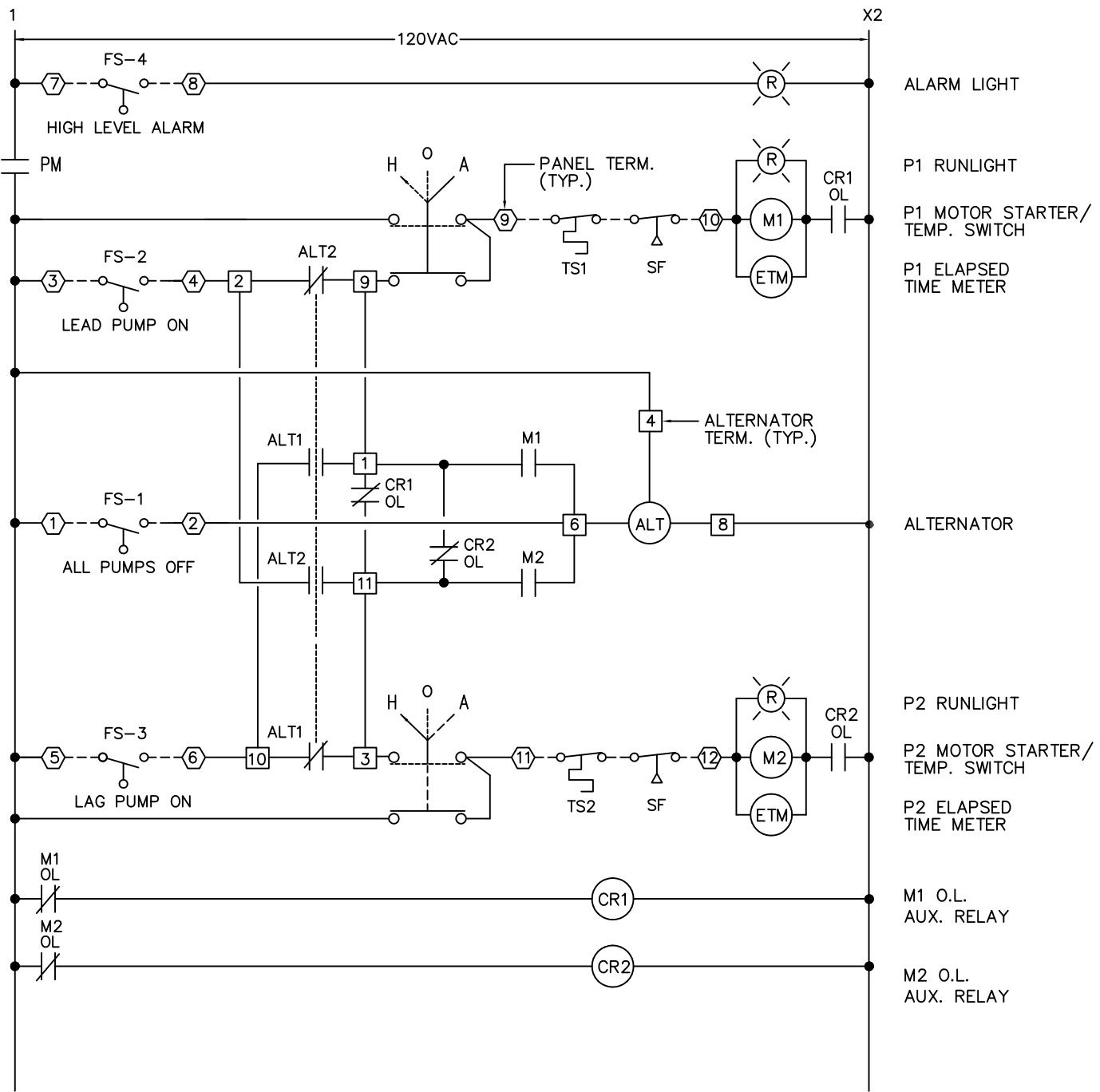
SOLD TO: DELTA PROCESS, INC.
TAG : SAVANNA TRACE

SHIP TO: DELTA PROCESS EQUIPMENT, INC.
RUSTON, LA

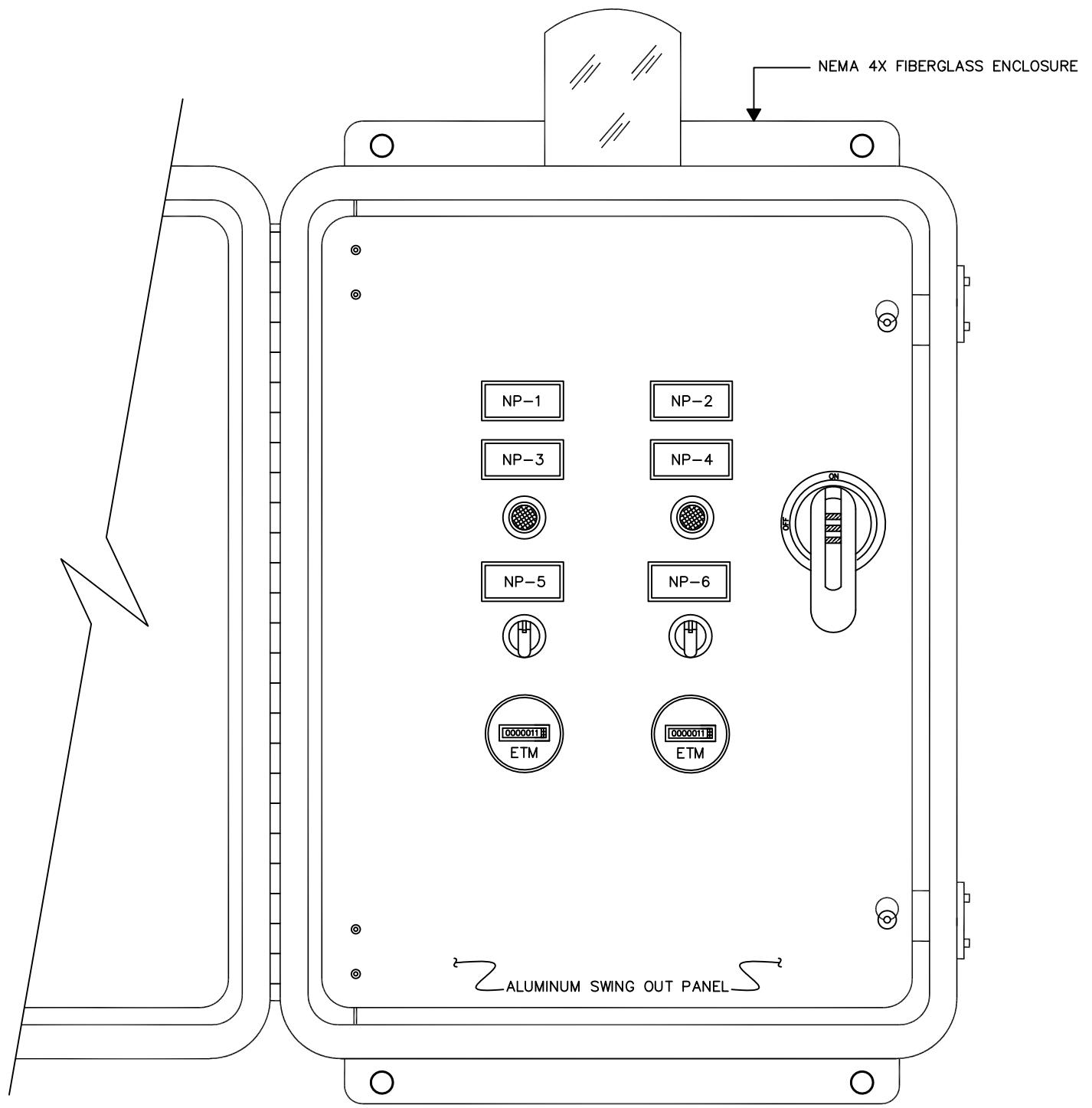
	Drawing Title									
	PANEL DESCRIPTION									
			REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
DATE 2/25/03	S/N	Sales Engineer	Application Engineer		DRAWN	BY	CTR	BY	APPROVED	DATE
	C.C.		R.C.							
	Project Title	<u>COX</u> Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809		Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL							DRAWING NUMBER CP-1533		
								SHEET NUMBER 1		



	Drawing Title POWER DIAGRAM				
DATE 2/25/03	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-1533 SHEET NUMBER 2



	Drawing Title CONTROL DIAGRAM				
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY CTR	ECN APPROVED BY DATE
DATE 2/25/03		Application Engineer R.C.			
	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-1533 SHEET NUMBER 3



VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN
NP-5	HOA
NP-6	HOA

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 2/25/03	S/N	Sales Engineer	Application Engineer	DRAWN BY CTR	APPROVED BY DATE	
	C.C.	R.C.				
	Project Title	<hr/> <hr/> <hr/> COX <hr/> <hr/>			PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL	Research and Technology, Inc.			DRAWING NUMBER	CP-1533
					SHEET NUMBER	4

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	ALLIED	AM30240RLDF	ENCLOSURE
1a	1	ALLIED	A3024P	BACKPLATE
2	1	ABB	OT160E3	MAIN DISC. SWITCH
3	2	A-B	509-COD	MOTOR STARTER NEMA SIZE 2
4	2	A-B	595-AB	AUX. CONTACT
5	2	ABB	S1N080TL	CB1, CB2
6	1	TIMEMARK	261DT120	ALTERNATING RELAY
7	2	ACI	JR22FR	RED PILOT LIGHT
8	2	ACI	JR22P3M20B	HOA SWITCH
9	1	SQUARE D	9070TF150D1	TRANSFORMER
10	1	AC/DC	BL5-R-120	ALARM LIGHT
11	1	SSAC	PLMU-11	PHASE MONITOR
12	2	GRASSLIN	UWZ52E	ELAPSED TIME METER
13	1	MARATHON	1323570	DISTRIBUTION BLOCK
14	6	AB	W66	O.L. HEATERS
15	2	OMRON	2SAC120	C.R. 1,2
16	1	ABB	OHB80L6	DISCONNECT HANDLE
17	1	ABB	OXP6X210	SHAFT
18				
19				
20				
21				
22				
23				

	Drawing Title BILL OF MATERIALS DATE 2/25/03					
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE BY
		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-1533		
				SHEET NUMBER 5		