
COX

Research and Technology, Inc.

DUPLEX PUMP
CONTROL PANEL
LAKE END PARK

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

CP-2319

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	40	
FLA	104	
TYPE OF PUMP	Self Priming	(Self-Priming, Submersible)
MANUFACTURER	GR	
CATALOG NUMBER		

CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 3R	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Stainless 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		

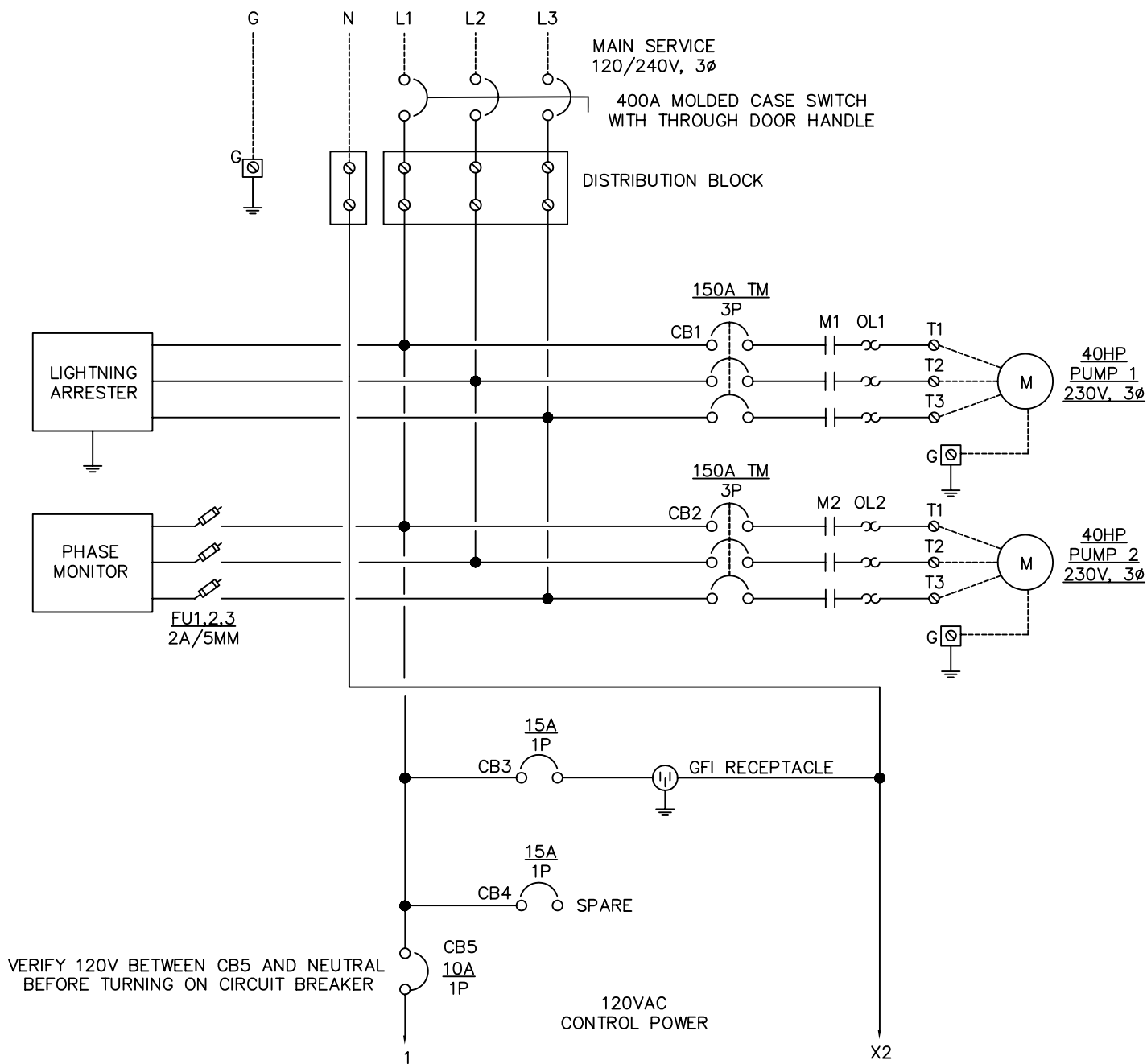
OPTIONS:

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

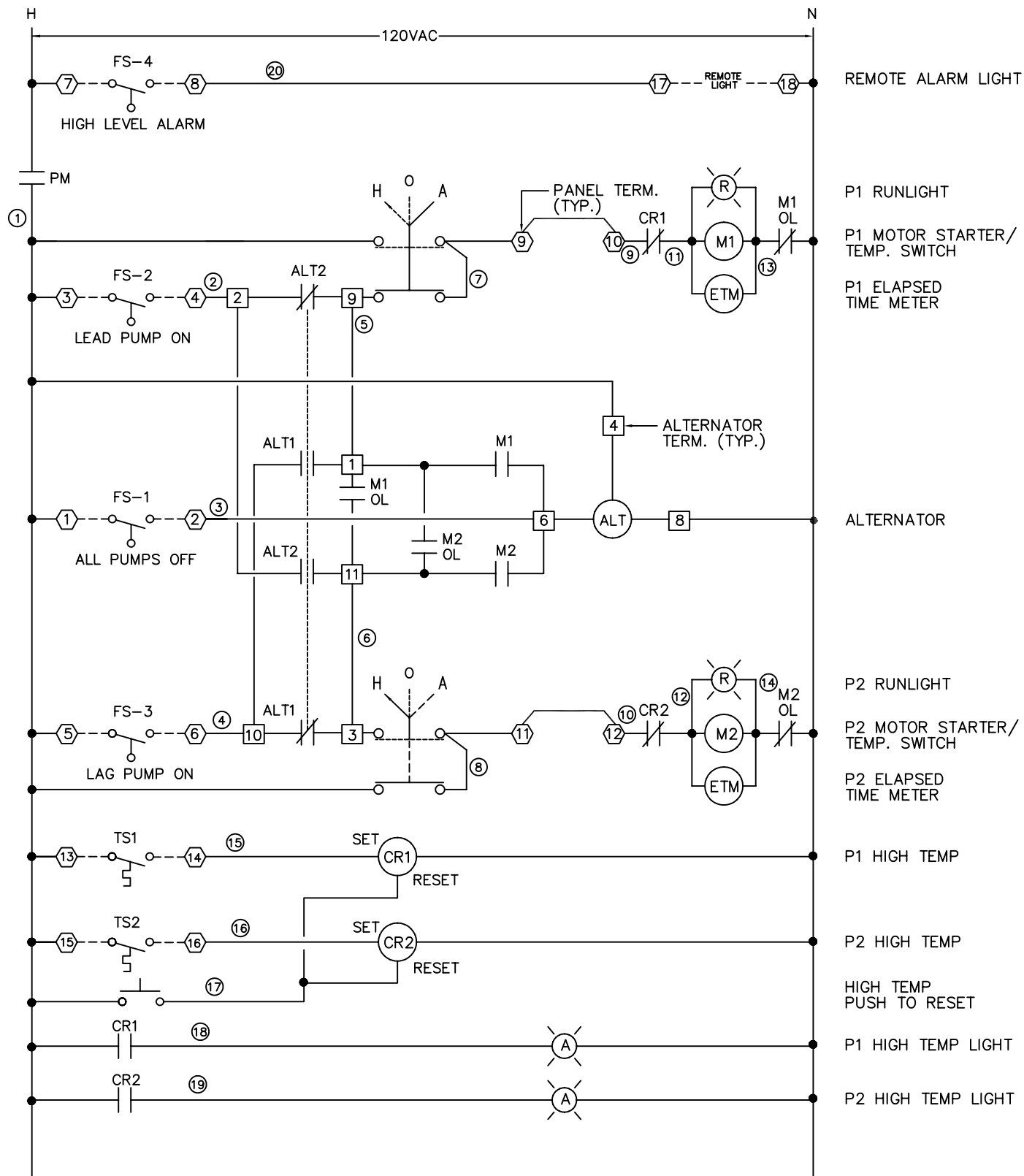
SOLD TO: Delta Process - Denham Springs, LA
TAG : LAKE END PARK

SHIP TO: Delta Process - Denham Springs, LA

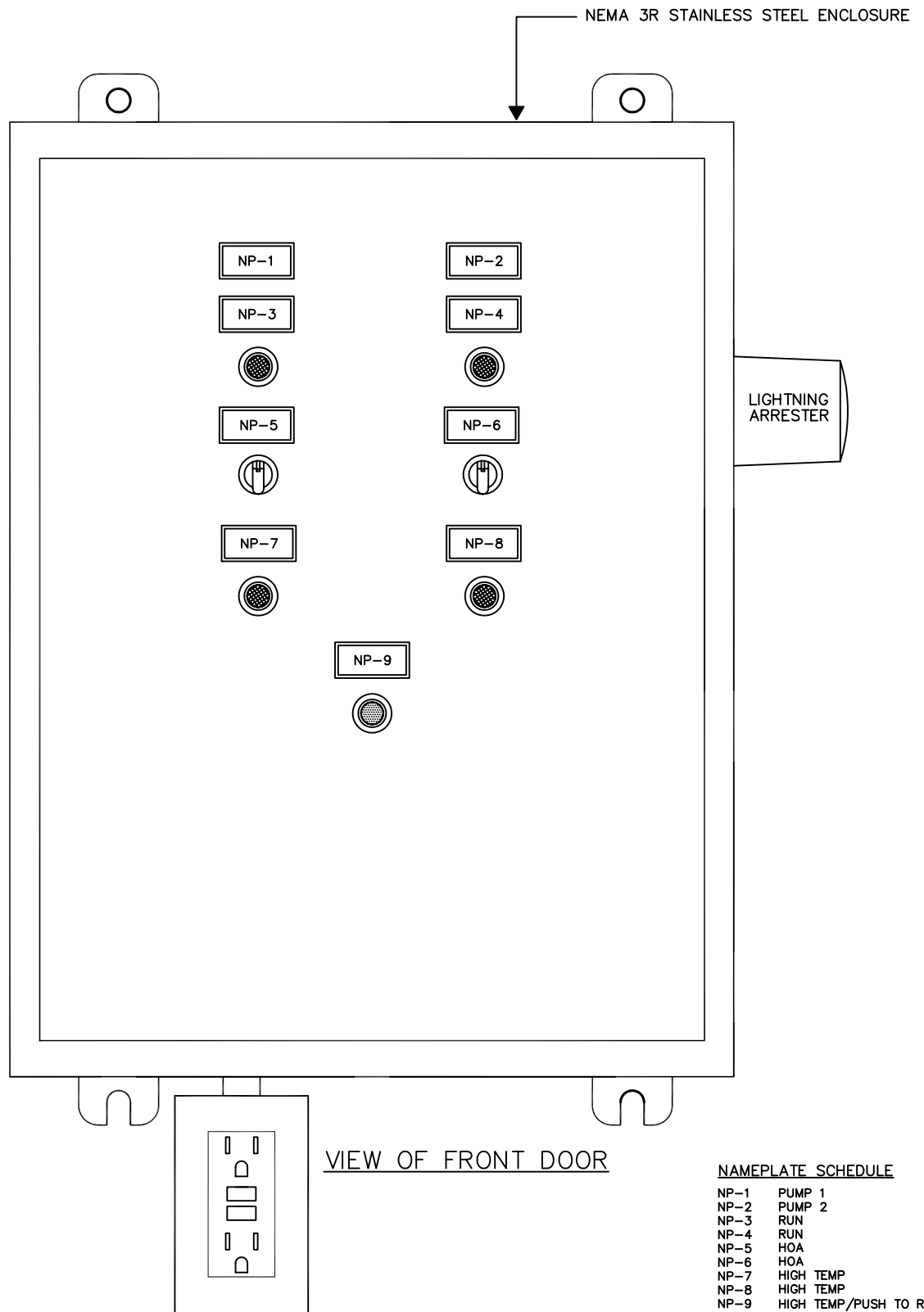
	Drawing Title						
	PANEL DESCRIPTION						
DATE 2/27/06		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	<div>COX</div> Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030		PURCHASE ORDER NUMBER
	DUPLIX PUMP CONTROL PANEL						DRAWING NUMBER CP-2319
							SHEET NUMBER 1



	Drawing Title							
	POWER DIAGRAM							
DATE 2/27/06		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE	BY
	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-2319		
						SHEET NUMBER 2		



	Drawing Title CONTROL DIAGRAM							
DATE 2/27/06			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 DUPLIX PUMP CONTROL PANEL		P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030			PURCHASE ORDER NUMBER DRAWING NUMBER CP-2319 SHEET NUMBER 3		



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
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/PUSH TO RESET

	Drawing Title 	
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BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S363010REPL	ENCLOSURE
1a	1	EBE	A3630SP	SWING PANEL
1b	1	EBE	3630P	BACK PLATE
2	1	BUSSMAN	16371-3	DISTRIBUTION BLOCK
3	2	ABB	A110-30-11-84	MOTOR STARTER
4	2	ABB	TA110DU110	O.L. RELAY (80-110A)
5	2	ABB	S3N150TW	CB1, CB2
6	1	TIMEMARK	261DT120	ALTERNATING RELAY
7	2	ACI	JR22FR	RED PILOT LIGHT
8	2	ACI	JR22P3M20B	HOA SWITCH
9	1	LUMAPRO	3RB24	REMOTE ALARM LIGHT
10	1	DELTA	LA603	LIGHTNING ARRESTER
11	1	SSAC	PLMU-11	PHASE MONITOR
12	2	REDINGTON	711-0187	ELAPSED TIME METER
13	1	ACI	JR22AN11B	PUSH BUTTON
14	2	SQUARE D	QOU115	CB3,4
15	1	ABB	K5VDM	MECHANISM
16	2	MAGNECRAFT	W388AMLCPX-9	LATCHING RELAYS
17	2	ACI	JR22FY	YELLOW PILOT LIGHT
18	1	SQUARE D	QOU110	CB5
19	1	ABB	S5H400DW	MOLDED CASE SWITCH
20	1	BUSSMAN	16371-1	NEUTRAL BLOCK
21	1	ABB	OHP10X225	SHAFT
22	1	ABB	OHB95L10	HANDLE
23				
24				
25				

	Drawing Title						
	BILL OF MATERIALS						
DATE 2/27/06		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	<div style="border-top: 3px double black; border-bottom: 3px double black; padding: 5px;"> COX Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030		PURCHASE ORDER NUMBER DRAWING NUMBER CP-2319 SHEET NUMBER 5
	DUPLEX PUMP CONTROL PANEL						