
COX

Research and Technology, Inc.

DUPLEX PUMP CONTROL PANEL HICKORY RIDGE LIFT STATION

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

CP-1700

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	1/60	
NO. MOTORS	2	
HP	5	
FLA	21	
TYPE OF PUMP	Self Priming	(Self-Priming, Submersible)
MANUFACTURER	GR	
CATALOG NUMBER		
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		

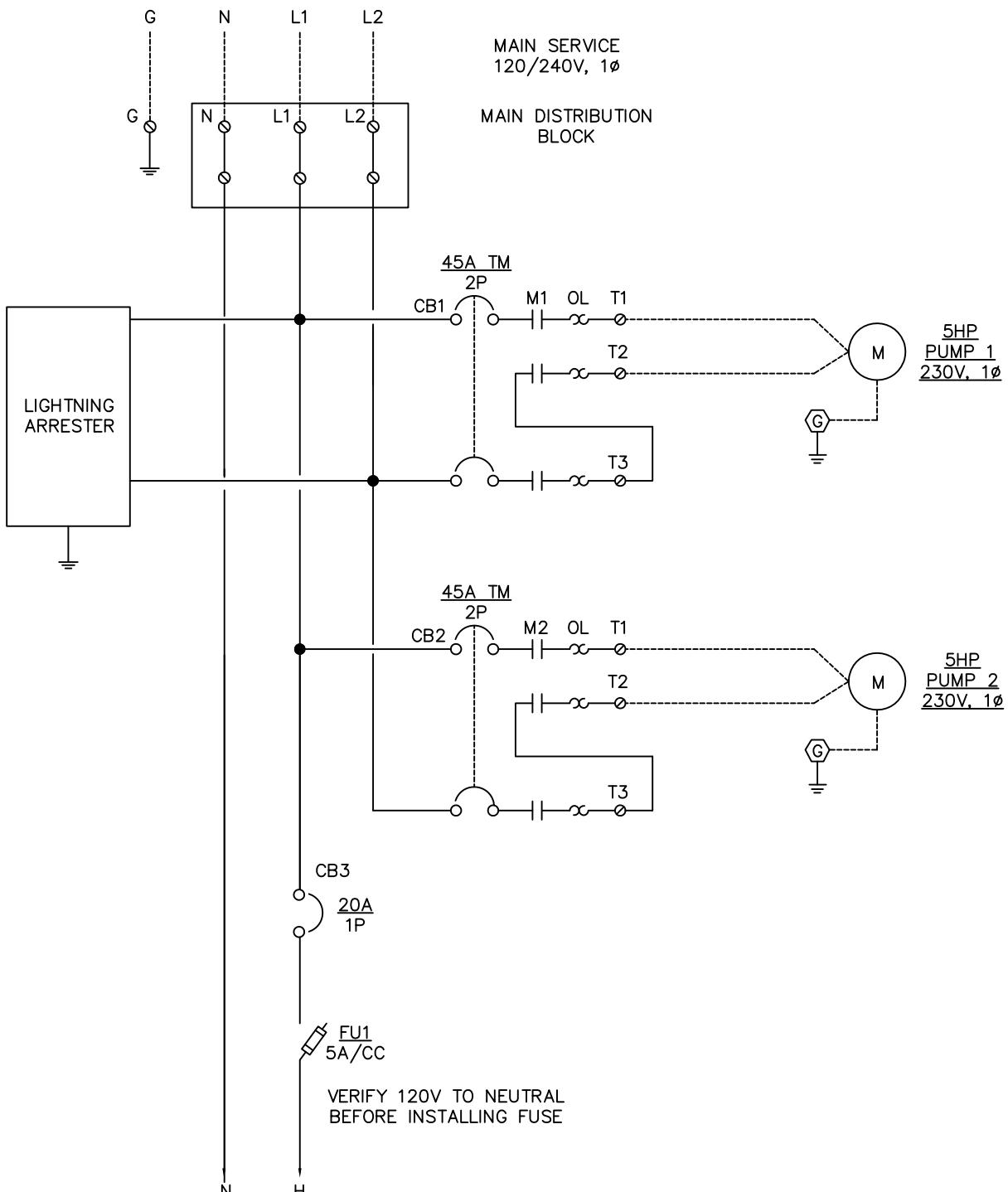
OPTIONS:

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

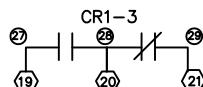
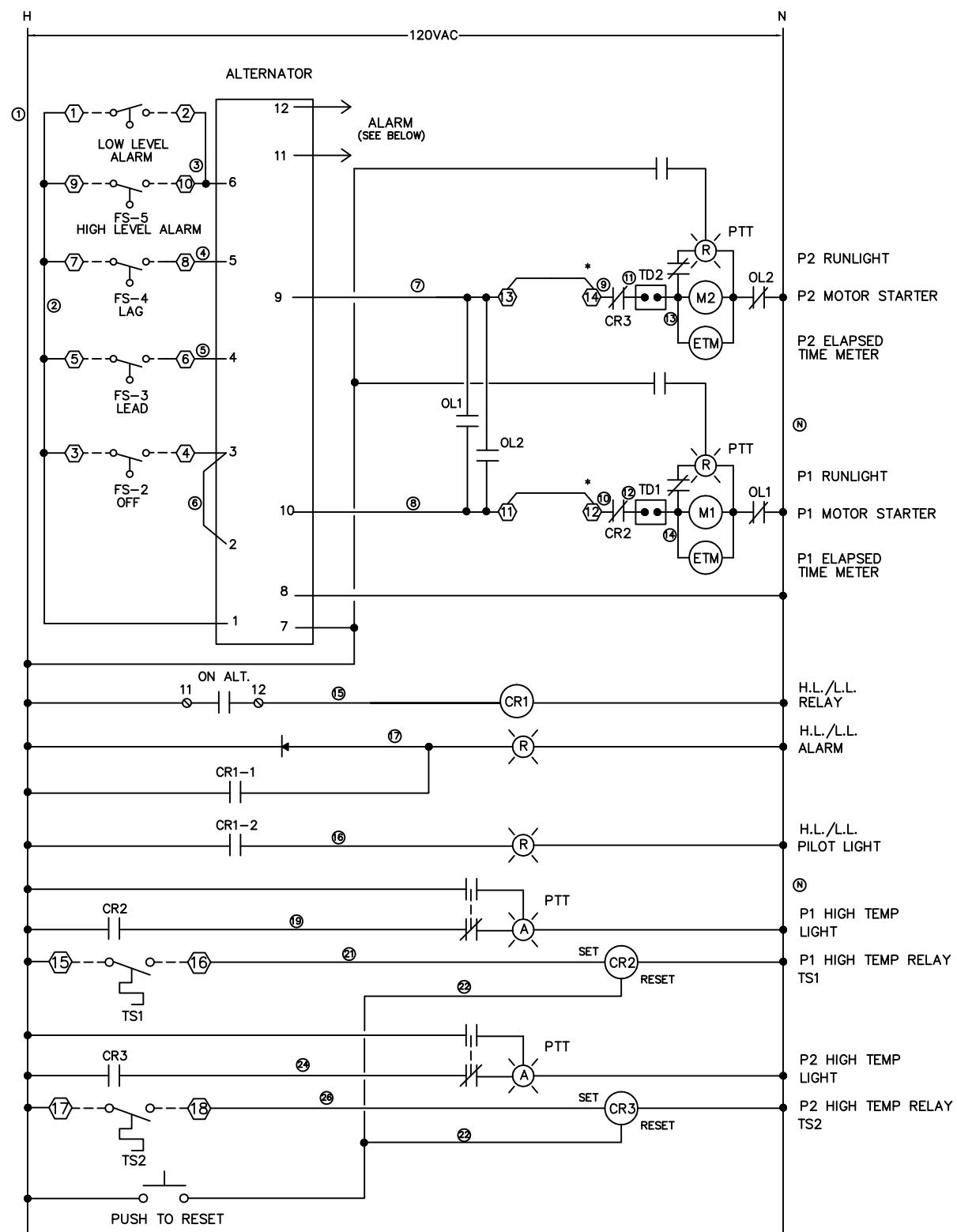
SOLD TO: Delta Process - Bossier City, LA
TAG : HICKORY RIDGE LIFT STATION

SHIP TO: Delta Process - Shreveport, LA

Drawing Title	PANEL DESCRIPTION						ECN	DATE	BY		
	REFERENCE DRAWING		NO.	REVISION-LOCATION							
DATE 11/07/03	S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED					
	C.C.		R.C.	BY C. RACHAL		BY		DATE			
Project Title									PURCHASE ORDER NUMBER		
DUPLEX PUMP CONTROL PANEL									DRAWING NUMBER		
									CP-1700		
									SHEET NUMBER		
									1		

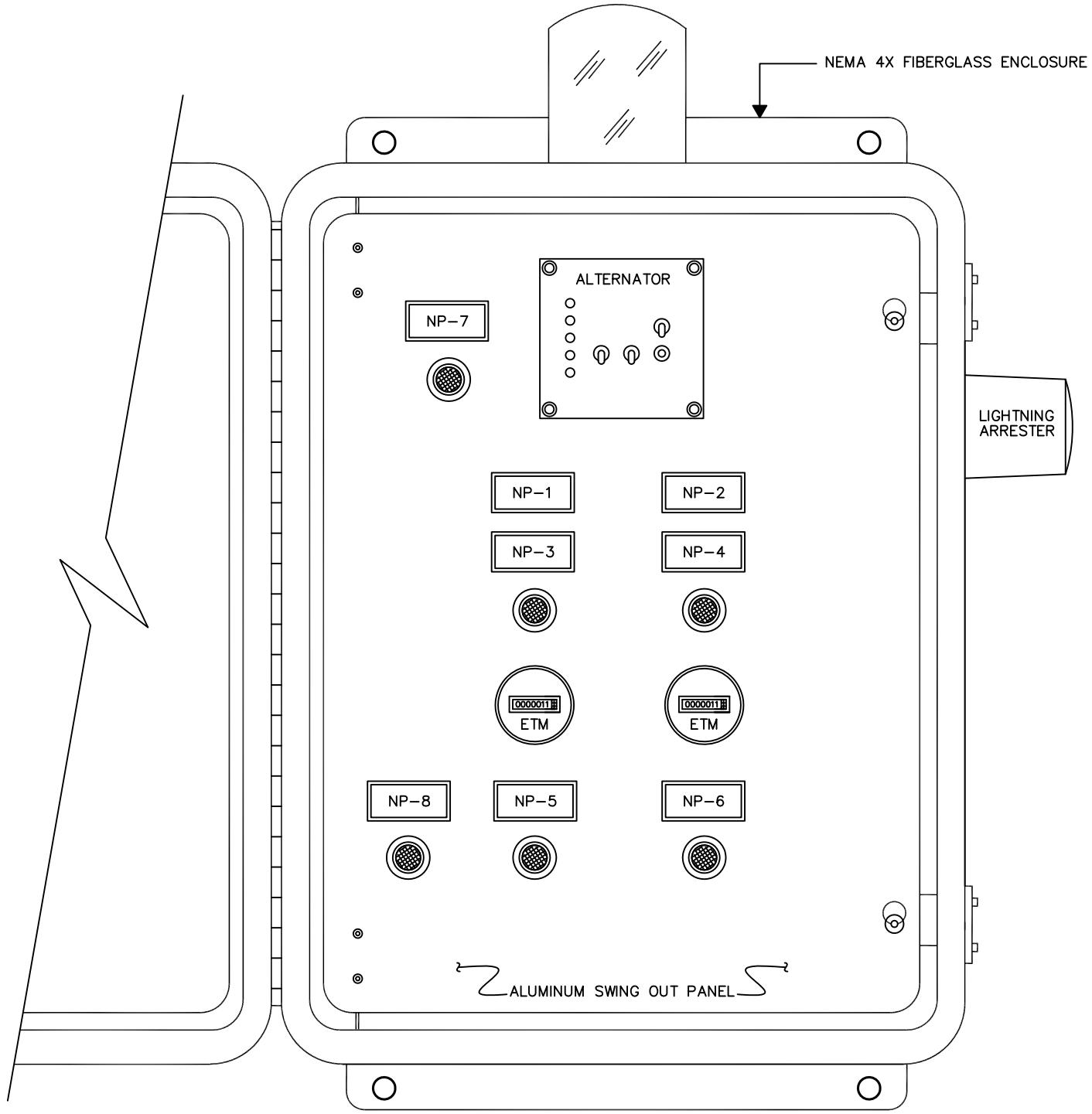


	Drawing Title POWER DIAGRAM			
DATE 11/07/03	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN Application Engineer R.C.	ECN APPROVED BY C. RACHAL BY DATE
	Project Title DUPLEX PUMP CONTROL PANEL		P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1700 SHEET NUMBER 2
		COX Research and Technology, Inc.		



* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

Drawing Title							
CONTROL DIAGRAM							
DATE 11/07/03	REFERENCE DRAWING		NO.	REVISION-LOCATION	ECN	DATE	BY
	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY	DATE	BY
Project Title		<hr/> COX <hr/> Research and Technology, Inc. <hr/>		P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER		
DUPLEX PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1700		
					SHEET NUMBER 3		



NAMEPLATE SCHEDULE

VIEW OF SWING OUT PANEL

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN
NP-5	HIGH TEMP
NP-6	HIGH TEMP
NP-7	H.L./L.L. ALARM
NP-8	HIGH TEMP RESET

NOTE:

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

Drawing Title ENCLOSURE				
	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL
DATE 11/07/03				DATE APPROVED BY DATE
Project Title DUPLEX PUMP CONTROL PANEL	<hr/> COX <hr/> Research and Technology, Inc. <hr/>		P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1700 SHEET NUMBER 4

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	VYNCKIER	VJ1816HWPLDF	ENCLOSURE
1a	1	VYNCKIER	MP1816AL	BACKPLATE
2	1	MARATHON	1323580	DISTRIBUTION BLOCK
3	2	SQUARE D	QU245	CB 1,2
4	2	ABB	A26-30-10-84	MS 1,2
5	2	ABB	TA25DU25	OL 1,2
6	1	DIVERSIFIED	ARM-120-AFEP	ALTERNATOR
7	1	CH	CHSA01	LIGHTNING ARRESTER
8	2	GRASSLIN	UWZ52E	ELAPSED TIME METER
9	1	SQUARE D	QU120	CB 3
10	3	ACI	JR22BL11R	PILOT LIGHT RED PTT
11	2	DAYTON	2A561	TIME DELAY RELAY
12	1	AC/DC	BL5-R-120	ALARM LIGHT
13	2	MAGNECRAFT	W388AMLCPX-9	CR2,3
14	1	OMRON	MK3PN5SAC120	CR1
15	2	ACI	JR22BL11Y	AMBER PILOT LIGHT
16	1	ACI	JR22AN11B	PUSH BUTTON
17				
18				
19				
20				
21				
22				
23				
24				
25				

Drawing Title								
BILL OF MATERIALS								
DATE 11/07/03	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED		BY	DATE
Project Title DUPLEX PUMP CONTROL PANEL	 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-1700 SHEET NUMBER 5			