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COX

Research and Technology, Inc.

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CITY OF PINEVILLE  
RASCP  
RETURN ACTIVATED SLUDGE  
DUPLEX PUMP  
CONTROL PANEL

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

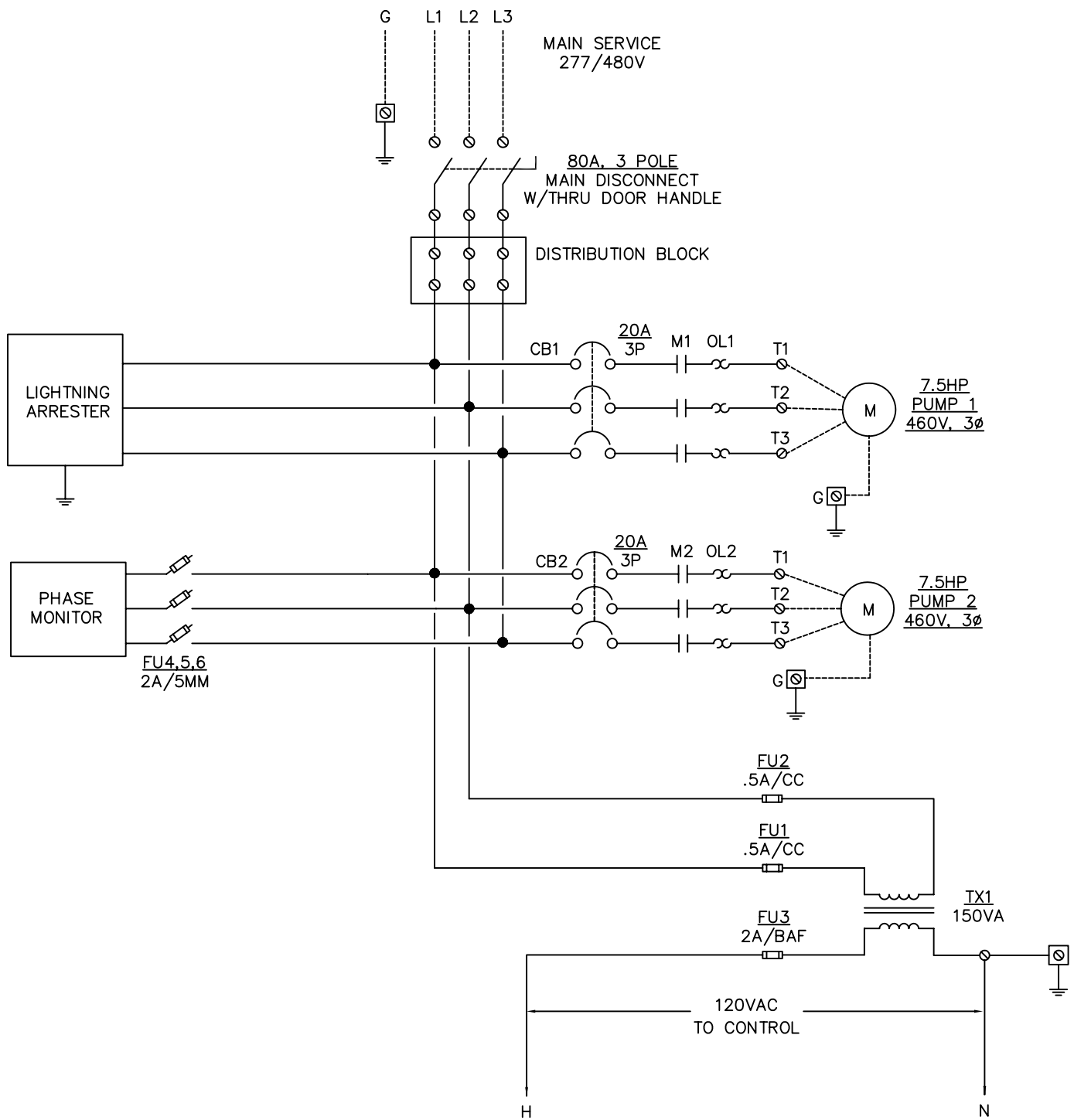
CP-2277

CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 4X	(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		

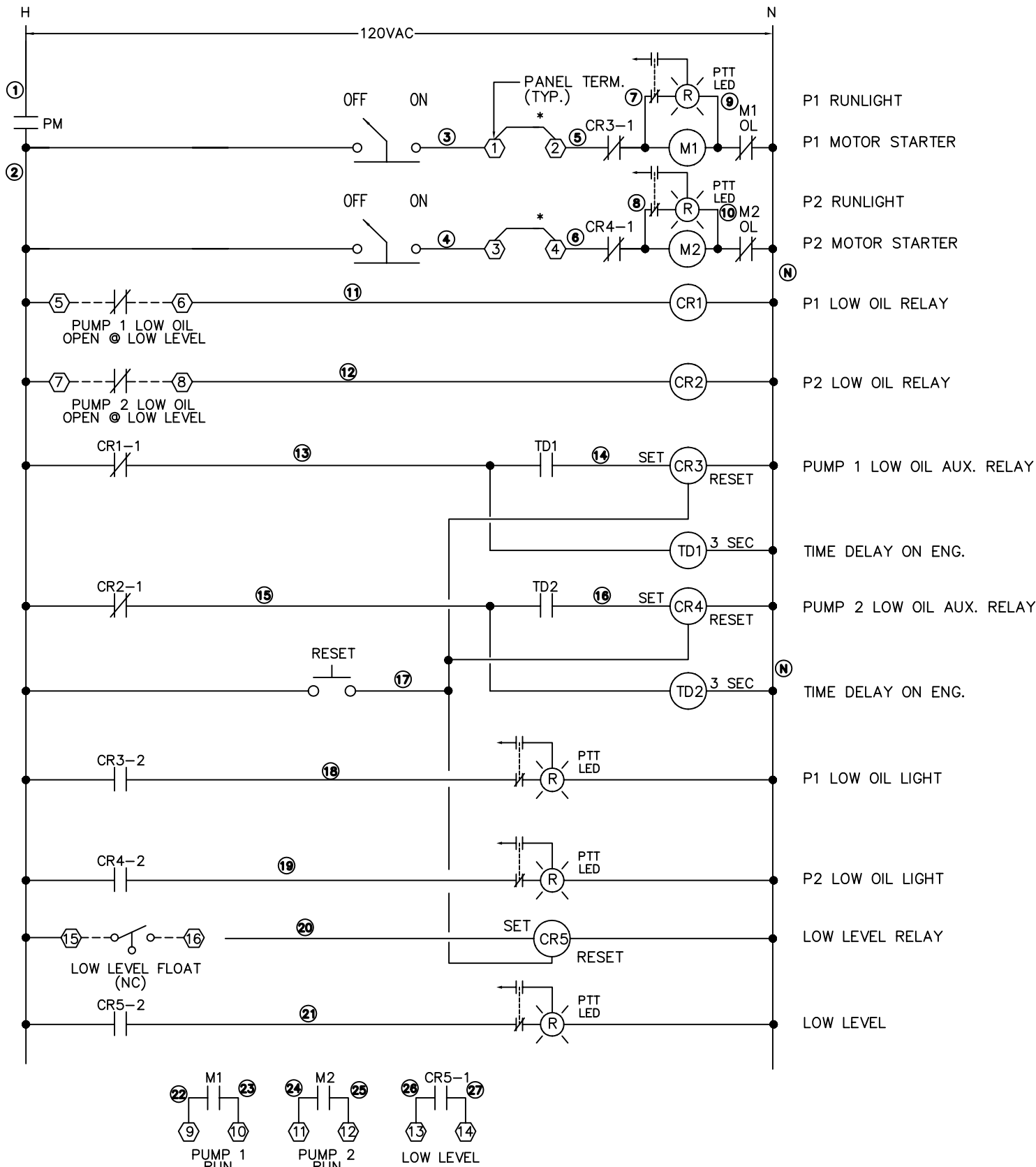
SEAL FAIL LIGHTS	_____	(Submersible Only)
SEAL FAIL RELAYS	_____	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	_____	(Submersible Only)
HT PUMP SHUTDOWN	_____	(Self-Primer, Submersible)
ALARM HORN	_____	
ALARM LIGHT	_____	
LIGHT PANEL MTD	_____	
LIGHT REMOTE MTD	_____	
LIGHT FLASHER	_____	
LIGHTNING ARRESTER	_____X_____	
ELAPSED TIME METER	_____	
PHASE MONITOR	_____X_____	
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: ETEC  
TAG : City of Pineville  
RASCP

SHIP TO: \_\_\_\_\_  
 \_\_\_\_\_[illegible]

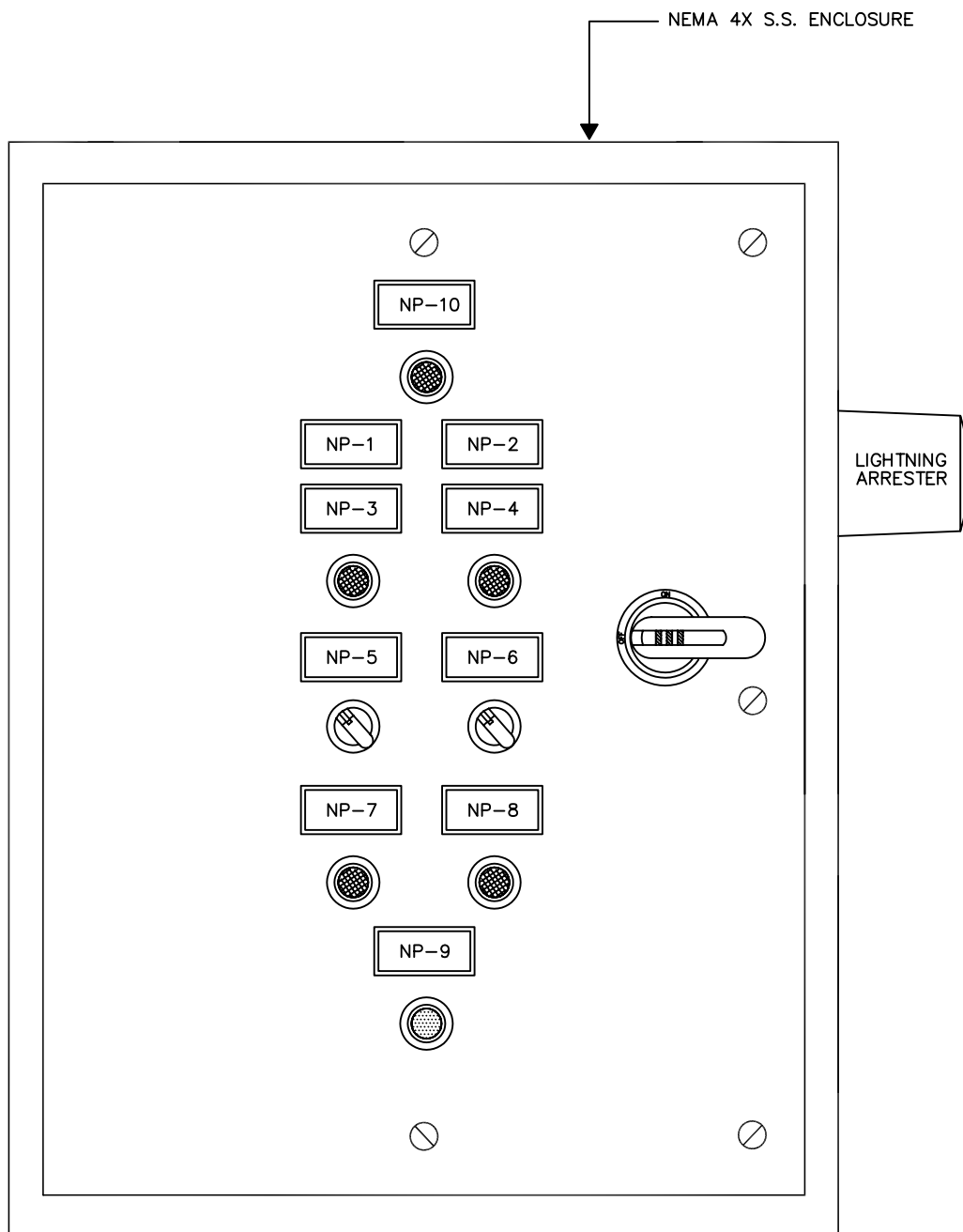


	Drawing Title								
	POWER DIAGRAM								
DATE 3/31/06		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE	BY	APPROVED
	Project Title	<div>COX</div> <div>Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER			
	DUPLEX PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2277			
						SHEET NUMBER 2			



\* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

	Drawing Title    CONTROL DIAGRAM									
DATE 3/31/06			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	
	Project Title		<div>COX</div> <div>Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)755-1030		PURCHASE ORDER NUMBER		
	DUPLUX PUMP CONTROL PANEL							DRAWING NUMBER CP-2277		
								SHEET NUMBER		
								3		



EXTERIOR VIEW OF PANEL

NAMEPLATE SCHEDULE

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN
NP-5	OFF-ON
NP-6	OFF-ON
NP-7	LOW OIL
NP-8	LOW OIL
NP-9	LOW OIL RESET
NP-10	LOW LEVEL

**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 3/31/06		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 style="text-align: center;"> <b>COX</b>  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-2277		
						SHEET NUMBER 4		

# BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	SAGINAW	SCE-24EL2008SSLPPLWKB	ENCLOSURE
1a	1	SAGINAW	SCE-24P20	BACKPLATE
2	2	ABB	A16-30-10-84	MOTOR STARTER
3	2	ABB	TA25DU14	O.L. RELAY (10-14A)
4	2	ABB	T1N020TL	CIRCUIT BREAKER
5	4	A-B	800H-QRT10R	RED PILOT LIGHT PTT
6	2	A-B	800H-HR2A	2 POSTION SWITCH
7	1	ABB	OT63E3	DISCONNECT SWITCH
8	1	DELTA	LA603	LIGHTNING ARRESTER
9	1	ABB	T4150PSF1	TRANSFORMER
10	1	SSAC	PLMU-11	PHASE MONITOR
11	1	MARATHON	1323580	DISTRIBUTION BLOCK
12	2	IDEC	RY2S-UAC120V	RELAY 1,2
13	1	ABB	OXF5X170	SHAFT
14	1	ABB	OHB65L5	HANDLE
15	1	A-B	800H-AR2A	PUSH BUTTON
16	3	MAGNECRAFT	W388AMLCPX-9	RELAY 3,4,5
17	2	OMRON	H3YN-2	TIME DELAY
18				
19				
20				
21				
22				
23				
24				

	Drawing Title						
	BILL OF MATERIALS						
DATE 3/31/06		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY
	Project Title	<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 100px;"> <b>COX</b>  <small>Research and Technology, Inc.</small> </div>			PURCHASE ORDER NUMBER  DRAWING NUMBER <div style="text-align: right;">CP-2277</div>		
	DUPLEX PUMP CONTROL PANEL				SHEET NUMBER <div style="text-align: right;">5</div>		