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# COX

Research and Technology, Inc.

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## DUPLEX PUMP CONTROL PANEL ATES CONSTRUCTION

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

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	15	
FLA	41	
TYPE OF PUMP	End Suction Water Booster	(Self-Priming, Submersible)
MANUFACTURER	Gould	
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	Telemetry, Pressure Switches	(Floats, Bubbler, Other)
CAPACITORS	No	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

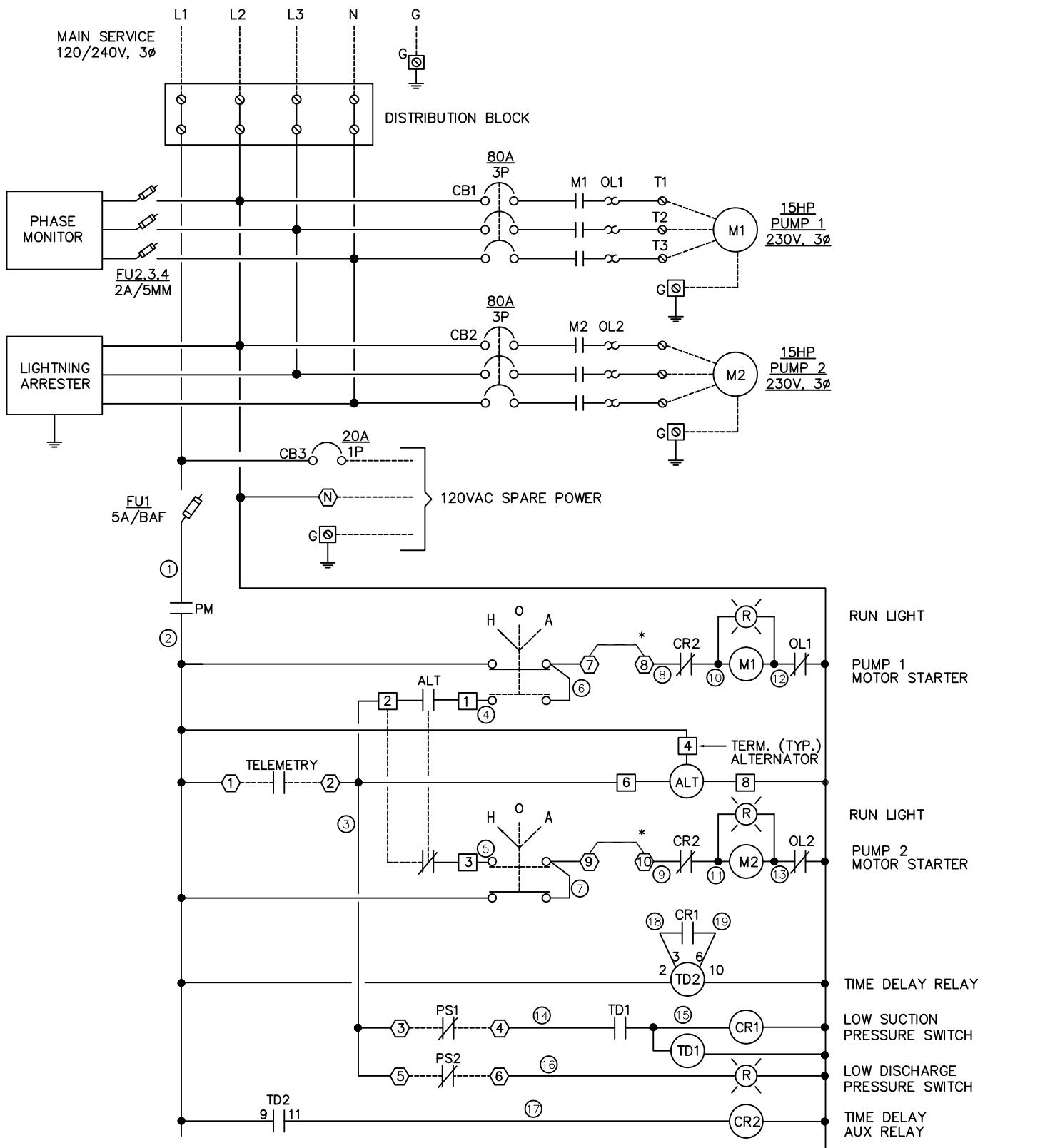
OPTIONS:

SEAL FAIL LIGHTS	_____	(Submersible Only)
SEAL FAIL RELAYS	_____	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	_____	(Submersible Only)
HT PUMP SHUTDOWN	_____	(Self-Primer, Submersible)
ALARM HORN	_____	
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
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	_____	

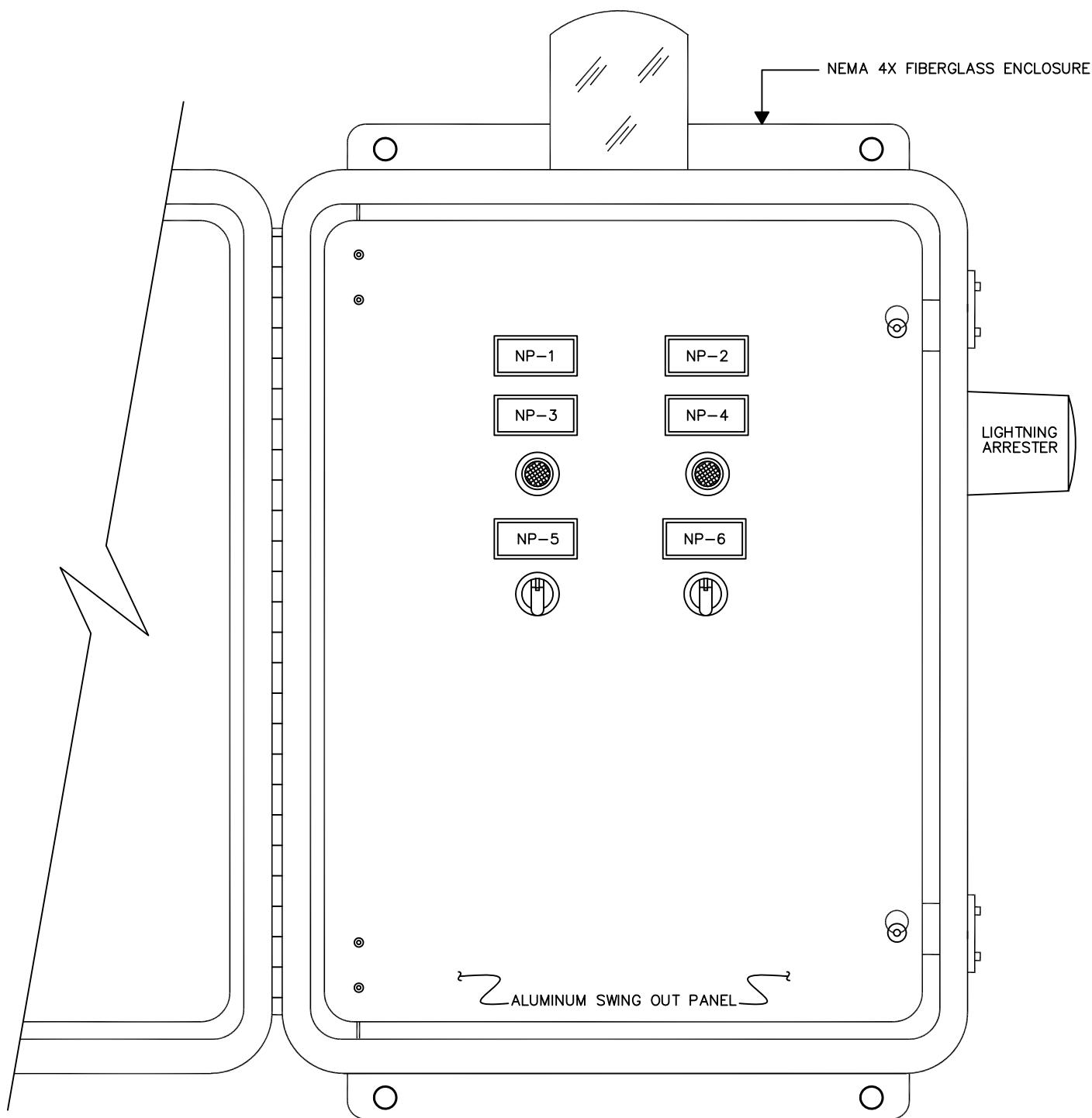
SOLD TO: Delta Process - Ruston, LA  
TAG : ATES CONSTRUCTION

SHIP TO: Delta Process - Ruston, LA

Drawing Title	PANEL DESCRIPTION	REFERENCE DRAWING		NO. C.C.	REVISION-LOCATION		ECN	DATE	BY
		S/N	Sales Engineer		Application Engineer	DRAWN BY C. RACHAL			
DATE 7/14/05	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)755-1030	DRAWING NUMBER CP-2111					
				SHEET NUMBER 1					



	Drawing Title							
	POWER DIAGRAM							
DATE 7/14/05	REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	DATE
	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL		APPROVED BY DATE		
	Project Title						PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL		<b>COX</b> Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809		DRAWING NUMBER CP-2111	
					Ph. (225)756-3271 Fax (225)755-1030		SHEET NUMBER 2	



## VIEW OF SWING OUT PANEL

### NAMEPLATE SCHEDULE

**NOTE:**

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

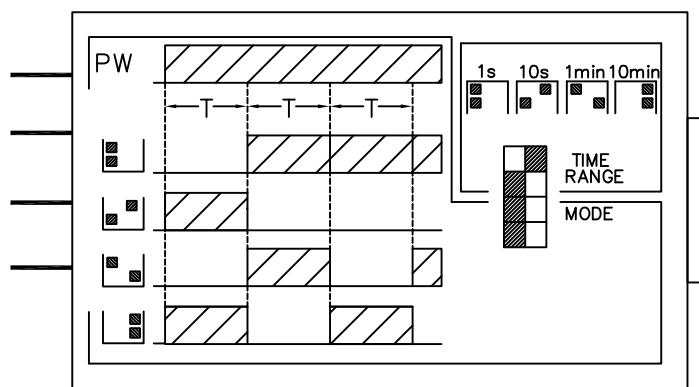
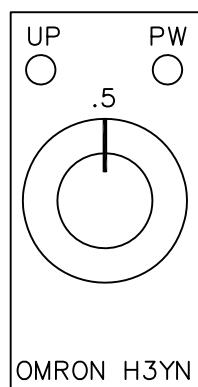
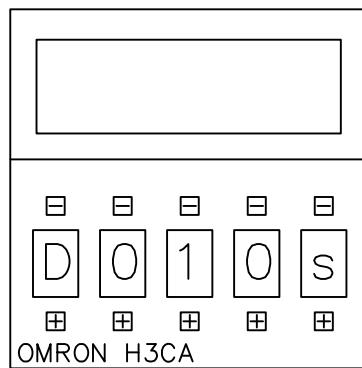
NP-1	PUMP	1
NP-2	PUMP	2
NP-3	RUN	
NP-4	RUN	
NP-5	HOA	
NP-6	HOA	

	Drawing Title  ENCLOSURE						
DATE 7/14/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN BY	DATE APPROVED BY DATE
	Project Title  DUPLEX PUMP CONTROL PANEL		<hr/> <hr/> <b>COX</b> <hr/> <hr/> Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809	Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER  DRAWING NUMBER CP-2111	SHEET NUMBER 3

## BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	1	MARATHON	1323580	DISTRIBUTION BLOCK
3	2	ABB	A50-30-11-84	MOTOR STARTER
4	2	ABB	TA75DU52	O.L. RELAY (36-52A)
5	2	SQUARE D	QOU390	CB1, CB2
6	1	SQUARE D	QOU120	CB3
7	1	TIMEMARK	261DT120	ALTERNATING RELAY
8	2	ACI	JR22FR	RED PILOT LIGHT
9	2	ACI	JR22P3M20B	HOA SWITCH
10	1	AC/DC	BL5-R-120	ALARM LIGHT
11	1	DELTA	LA603	LIGHTNING ARRESTER
12	1	SSAC	PLMU-11	PHASE MONITOR
13	1	OMRON	H3CA-A	TIME DELAY 2
14	2	OMRON	RV25-V	CR1, CR2
15	1	OMRON	H3YN-2	TIME DELAY 1
16				
17				
18				
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22				
23				
24				
25				

	Drawing Title						
	<b>BILL OF MATERIALS</b>						
DATE 7/14/05	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE APPROVED BY DATE		
		Application Engineer R.C.					
	Project Title  DUPLEX PUMP CONTROL PANEL		<b>COX</b> Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER  DRAWING NUMBER CP-2111	
					Ph. (225)756-3271 Fax (225)755-1030	SHEET NUMBER 4	



	Drawing Title  TIME DELAY SETTINGS				
DATE 7/14/05	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE APPROVED BY DATE
Project Title  DUPLEX PUMP CONTROL PANEL	  <b>COX</b> Research and Technology, Inc.  			P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER  DRAWING NUMBER CP-2111 SHEET NUMBER 5