
COX

Research and Technology, Inc.

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

SOLD TO:	Delta Process - Ruston, LA
Ates Construction	

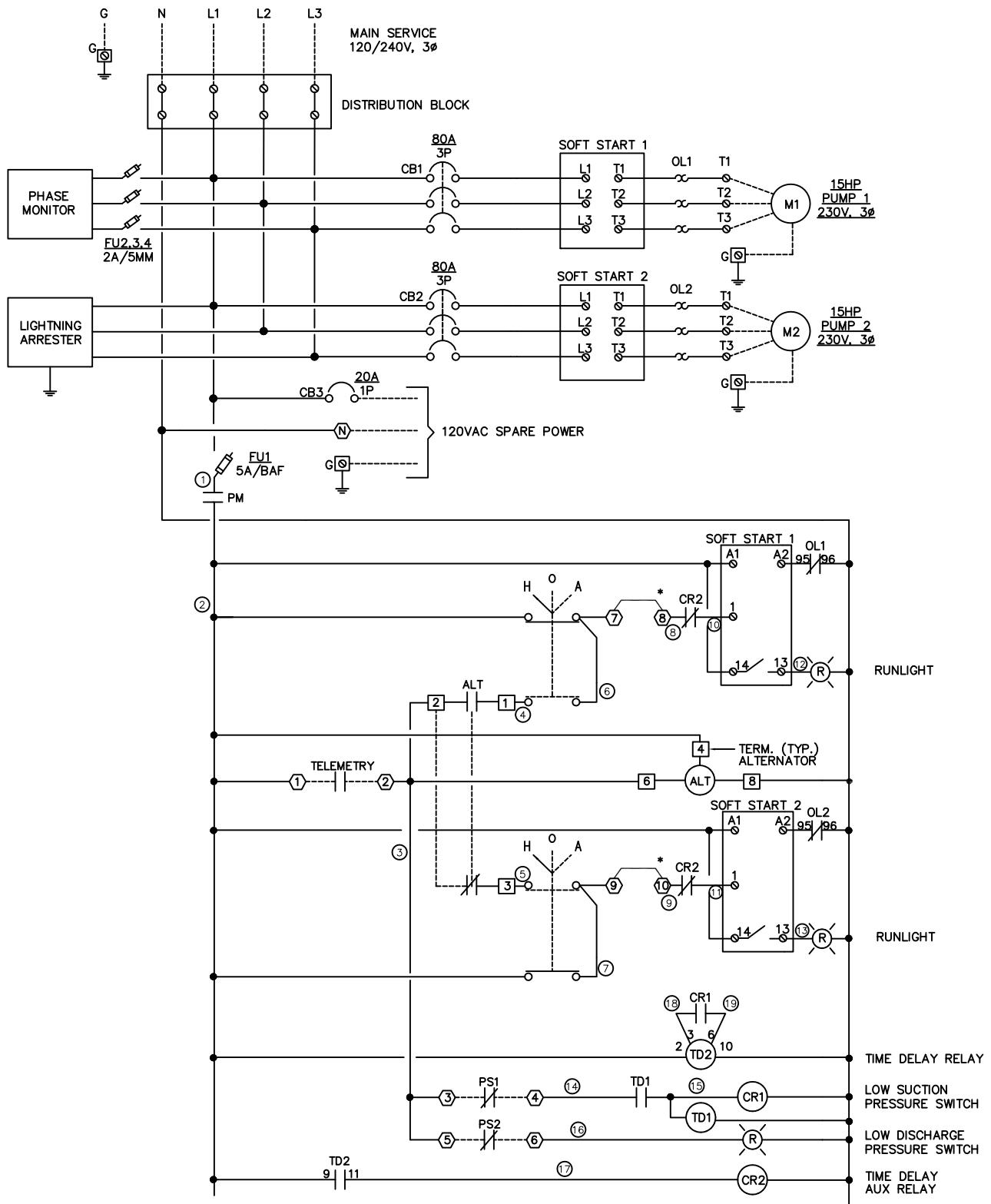
SHIP TO:	Delta Process - Ruston, LA

SPECIAL NOTES:

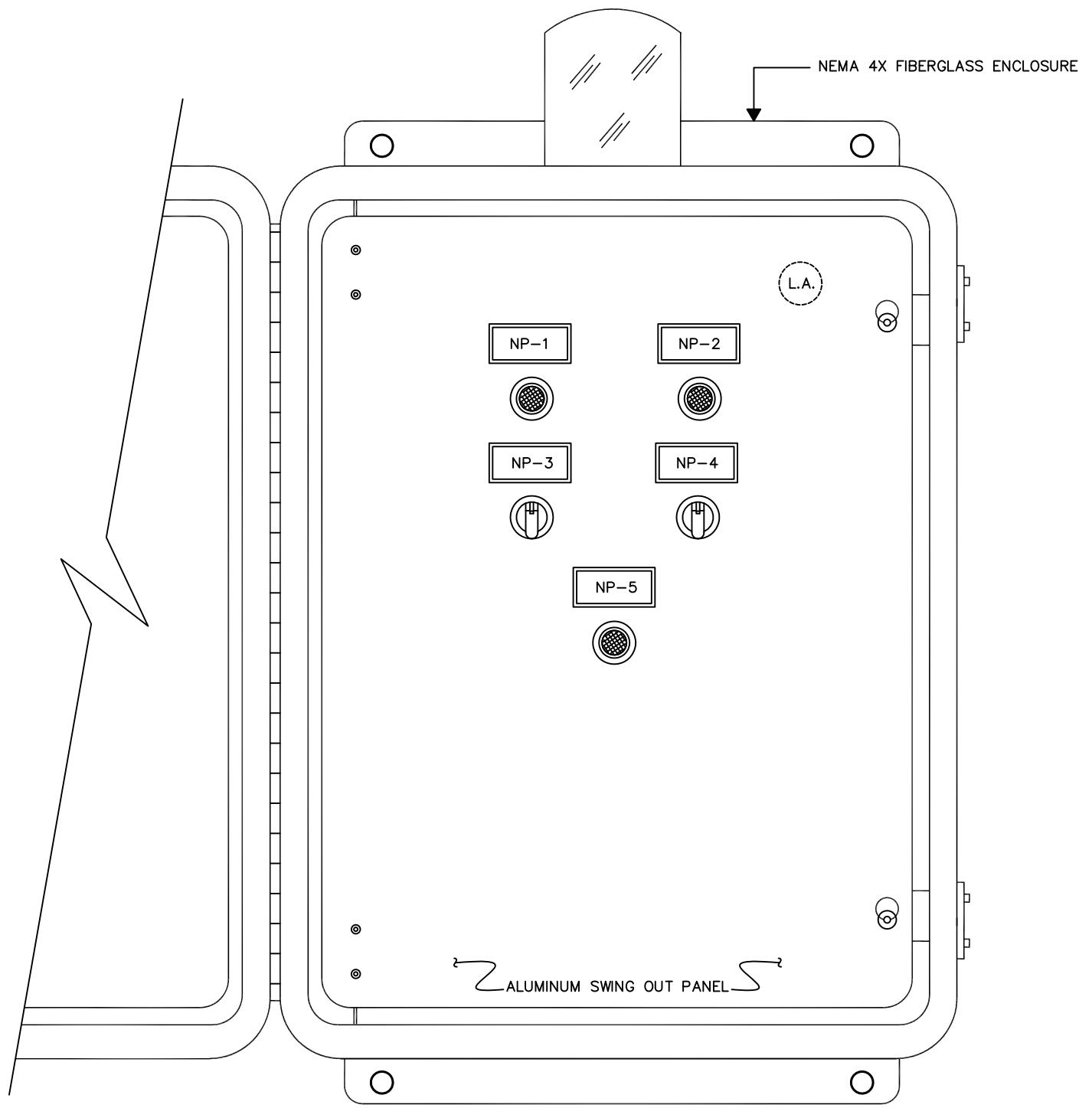
Panel Type	Duplex
Voltage	120/240V
Phase/HZ	3/60
No. Motors	2
HP	15
FLA	41
Pump Manufacturer	Gould
Type of Pump	End Suction Water Booster
Catalog Number	
Capacitors	No
Control Voltage	120V
Control Power Transformer VA =	No
Enclosure NEMA Rating	4X
Enclosure Material	Fiberglass
Enclosure Size	18x16x10
Inner Swing Panel	Yes
Control Sensor	Telemetry, Pressure Switches
UL508A Labeling	No
UL698A Labeling	No

Alarm Light - Panel Door Mount	
Alarm Light - Panel Top Mount	X
Alarm Light - Remote	
Alarm Test Switch	
Alarm Silence Switch	
Alarm Acknowledge Switch	
Alternator with Lead Pump Selector Switch	
Audible Alarm - Bell	
Audible Alarm - Horn	
Audible Alarm - Piezzo	
Cycle Counters	
Economy Version	
Elapsed Time Meters	
Flasher	
Green Run Lights vs. Red	
Ground Fault Receptacle	
High Temp Lights	
High Temp Pump Shutdown - Auto Reset	
High Temp Pump Shutdown - Manual Reset	
Intrinsically Safe Relays Pts	
Lightning Arrestor	X
Main Disconnect with door Mt. Handle	
Panel Heater/Thermostat W =	
Phase Monitor	X
Pole, Box, Seal	
Seal Fail Lights	
Seal Fail Relay - Fixed	
Seal Fail Relay - Adjustable	
Seal Fail Shutdown	
Starters - IEC	
Starters - NEMA	
Unpowered Alarm Circuits #	
OTHER:	

	Drawing Title PANEL DESCRIPTION	R1	1	Add Soft Starts		11-15-06
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE BY
DATE 11/15/06		S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED
			C.C.	R.C.	BY CJC	BY DATE
	Project Title CONTROL PANEL	<hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc. <hr/> <hr/>		P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
				Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2111R1	
					SHEET NUMBER 1	



	Drawing Title POWER DIAGRAM	R1	1	Add Soft Starts		11-15-06
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE BY
DATE 11/15/06		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY CJC	APPROVED BY DATE
	Project Title DUPLEX PUMP CONTROL PANEL	<hr/> <hr/> <hr/> COX Research and Technology, Inc. <hr/> <hr/>			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER
					Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2111R1
						SHEET NUMBER 2



VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

NP-1	PUMP 1/RUN
NP-2	PUMP 2/RUN
NP-3	HOA
NP-4	HOA
NP-5	LOW PRESSURE

NOTE:

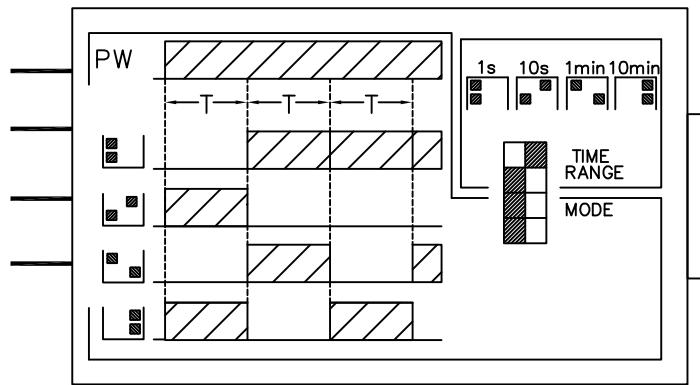
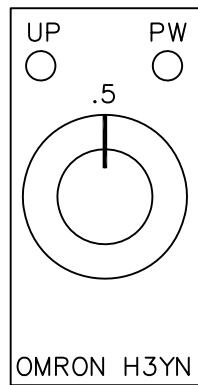
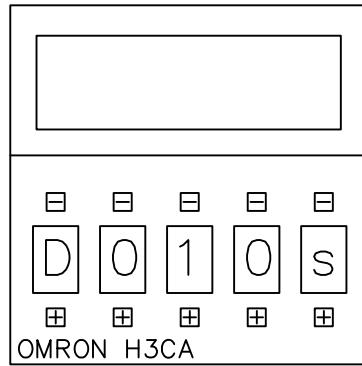
SEWER GASES WILL DESTROY COMPONENTS IN PANEL.
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE
PANEL TO PREVENT ENTRY OF GASES.

	Drawing Title ENCLOSURE	R1	1	Add Soft Starts		11-15-06	
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 11/15/06	S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED	
	C.C.		R.C.	BY CJC	BY	DATE	
	Project Title DUPLEX PUMP CONTROL PANEL	<hr/> COX <hr/> Research and Technology, Inc. <hr/>			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
					Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2111R1	
						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	SQUARE D	QOU380	CB1, CB2
4	1	SQUARE D	QOU120	CB3
5	1	TIMEMARK	261DT120	ALTERNATING RELAY
6	3	ACI	JR22FR	RED PILOT LIGHT
7	2	ACI	JR22P3M20B	HOA SWITCH
8	1	AC/DC	BL5-R-120	ALARM LIGHT
9	1	DELTA	LA603	LIGHTNING ARRESTER
10	1	SSAC	PLMU-11	PHASE MONITOR
11	1	OMRON	H3CA-A	TIME DELAY 2
12	2	OMRON	RV25-V	CR1, CR2
13	1	OMRON	H3YN-2	TIME DELAY 1
14	2	SIEMENS	3RW3045-1AB14	SOFT START
15	2	SIEMENS	3RU1146-4KB0	OVERLOAD RELAY
16				
17				
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21				
22				
23				
24				
25				

	Drawing Title BILL OF MATERIALS	R1	1	Add Soft Starts		11-15-06	
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DATE 11/15/06		S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	
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						SHEET NUMBER 4	



	Drawing Title TIME DELAY SETTINGS DATE 11/15/06	R1	I	Add Soft Starts		11-15-06	
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
		S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	
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				Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER	CP-2111R1	
					SHEET NUMBER		5