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# COX

Research and Technology, Inc.

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## SPRINKER SYSTEM SIMPLEX PUMP CONTROL PANEL

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
Tag: Sprinkler System

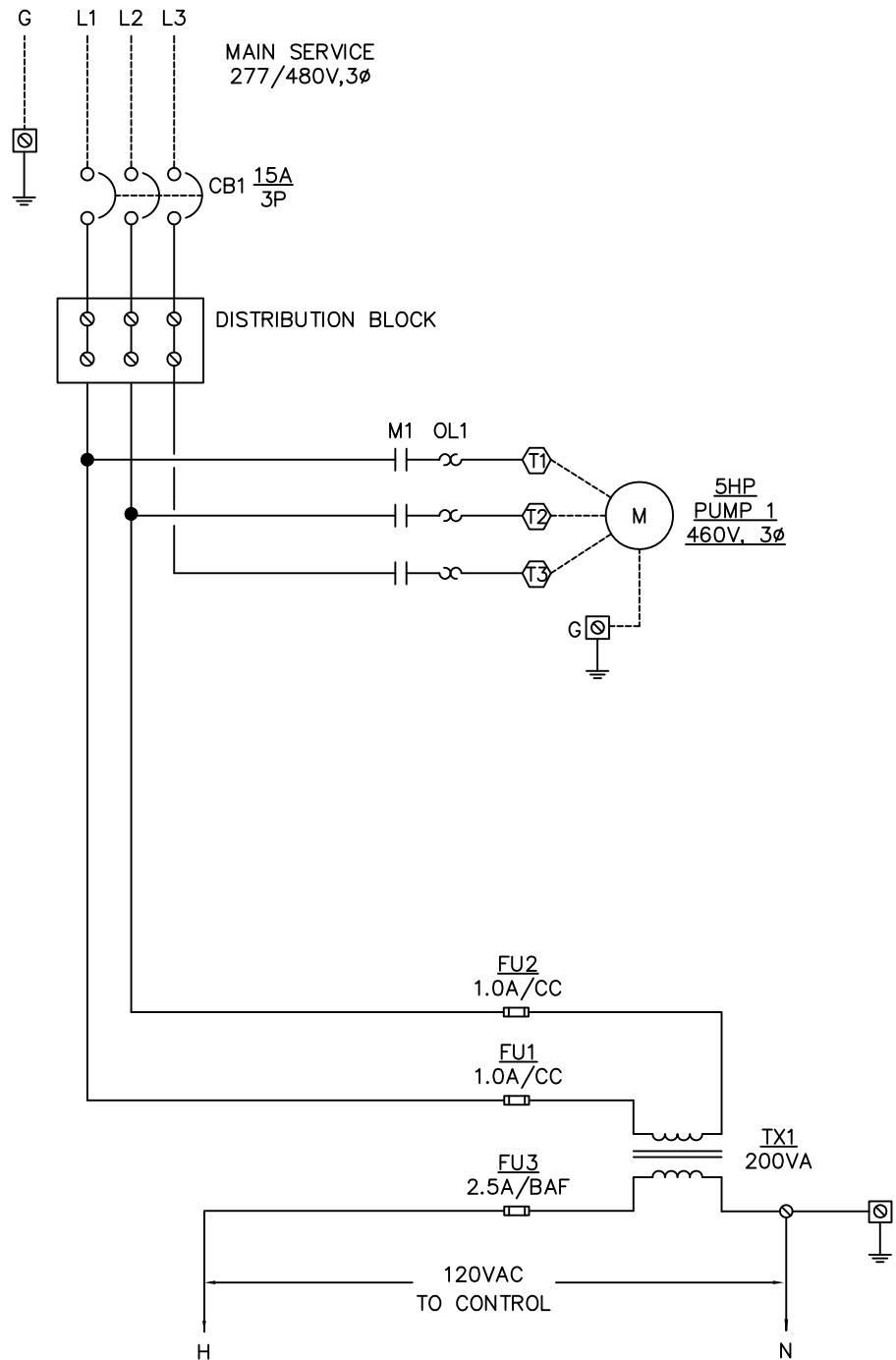
SHIP TO: Delta Process- Ruston, LA

SPECIAL NOTES:

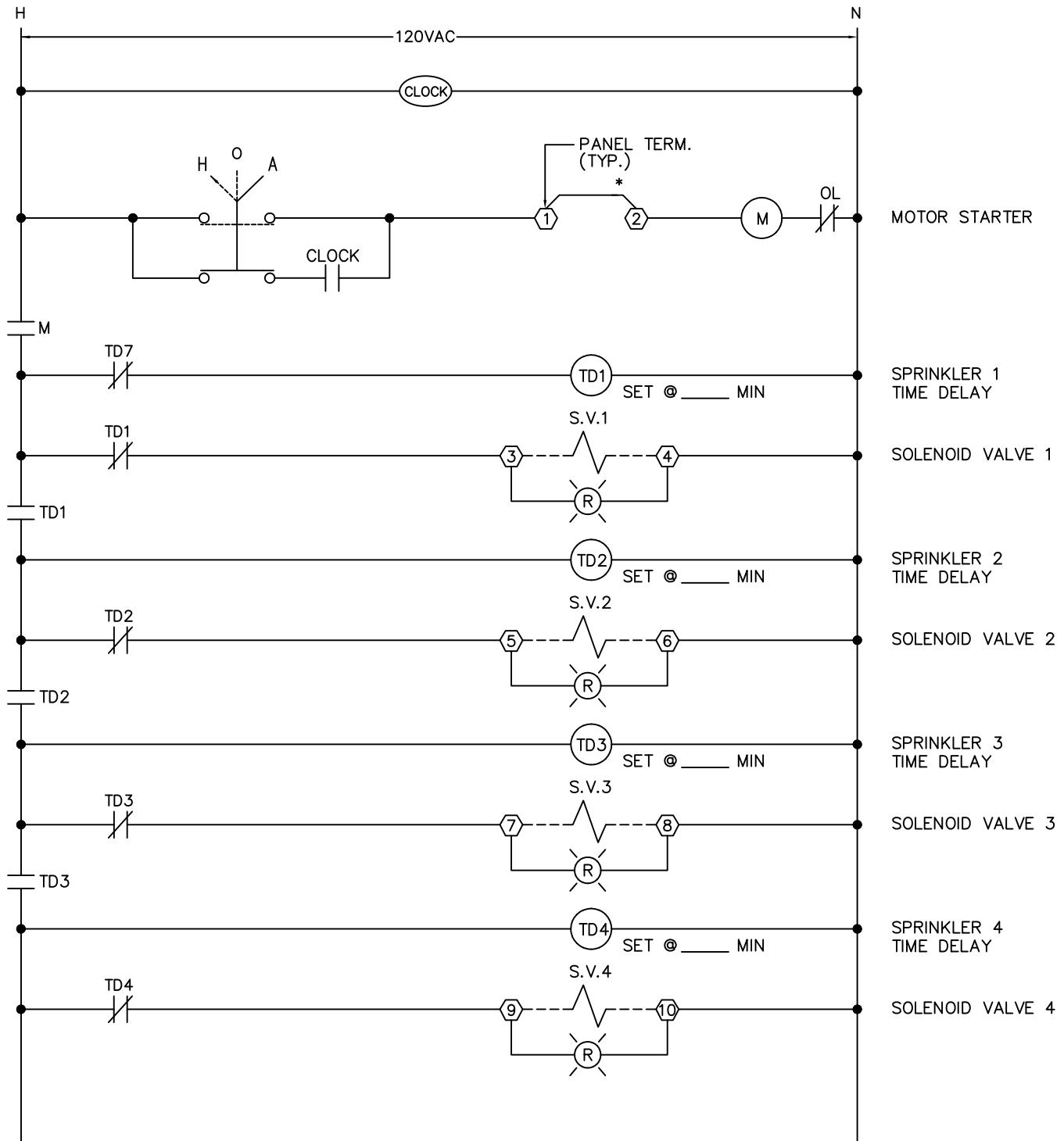
Panel Type	Simplex
Voltage	277/480V
Phase/HZ	3/60
No. Motors	1
HP	5
FLA	7.6 (est)
Pump Manufacturer	
Type of Pump	
Catalog Number	
Capacitors	No
Control Voltage	120V
Control Power Transformer VA = 200	Yes
Enclosure NEMA Rating	4X
Enclosure Material	Fiberglass
Enclosure Size	18x16x10
Inner Swing Panel	Yes
Control Sensor	Time Clock
UL508A Labeling	No
UL698A Labeling	No

Alarm Light - Panel Door Mount
Alarm Light - Panel Top Mount
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
Main Disconnect with door Mt. Handle
Panel Heater/THERMOSTAT W =
Phase Monitor
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	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY JHEUGHAN	APPROVED BY	DATE		
DATE 9/02/10	Project Title  SIMPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70879	PURCHASE ORDER NUMBER					
			Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-1210A					
				SHEET NUMBER 1					

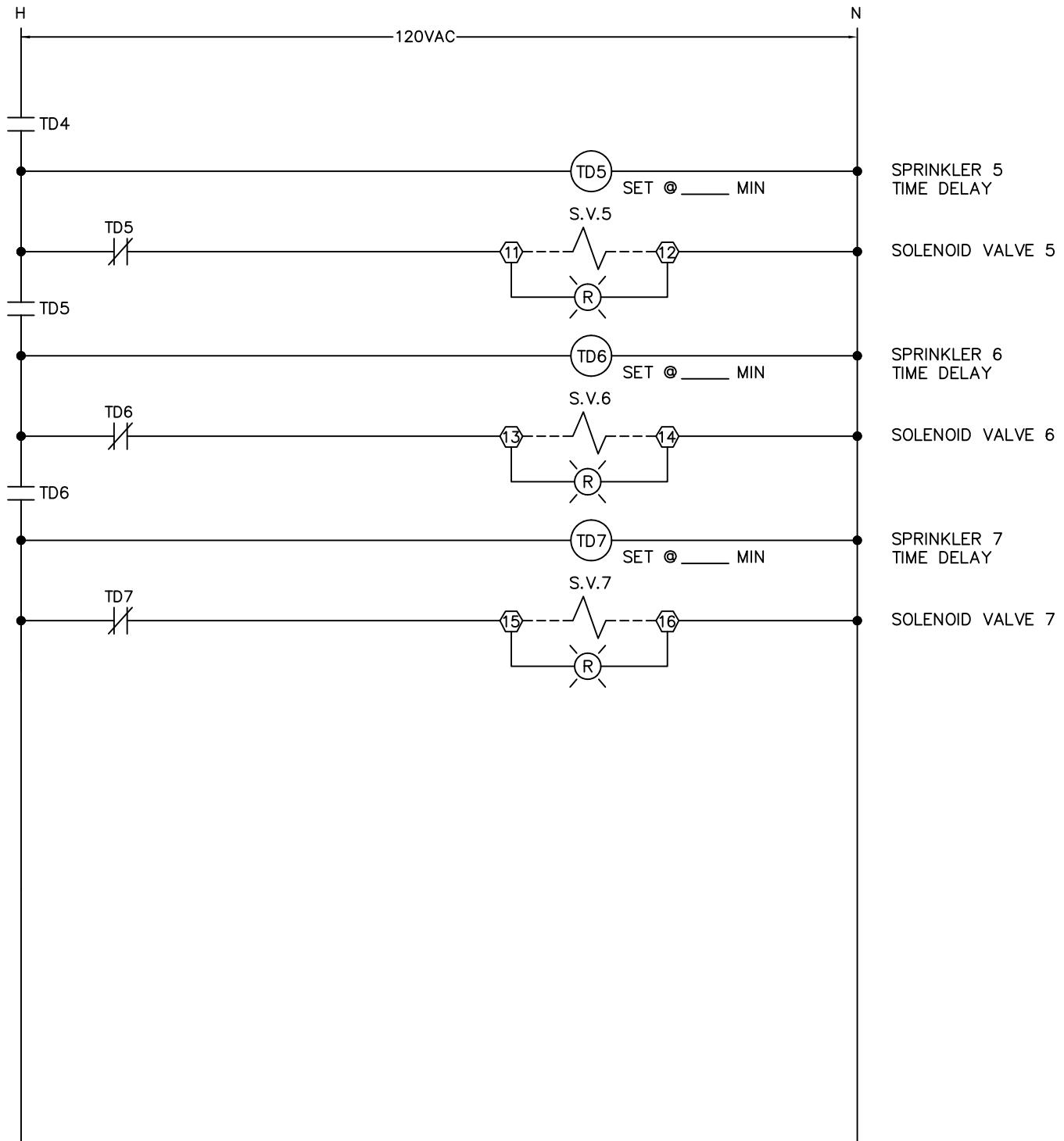


	Drawing Title  <b>POWER DIAGRAM</b>				
DATE 9/02/10	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY J.HEUGHAN	ECN	DATE BY APPROVED BY DATE
Project Title  <b>SIMPLEX PUMP CONTROL PANEL</b>	<b>COX</b> Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70879  Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER  DRAWING NUMBER CP-1210A SHEET NUMBER 2		

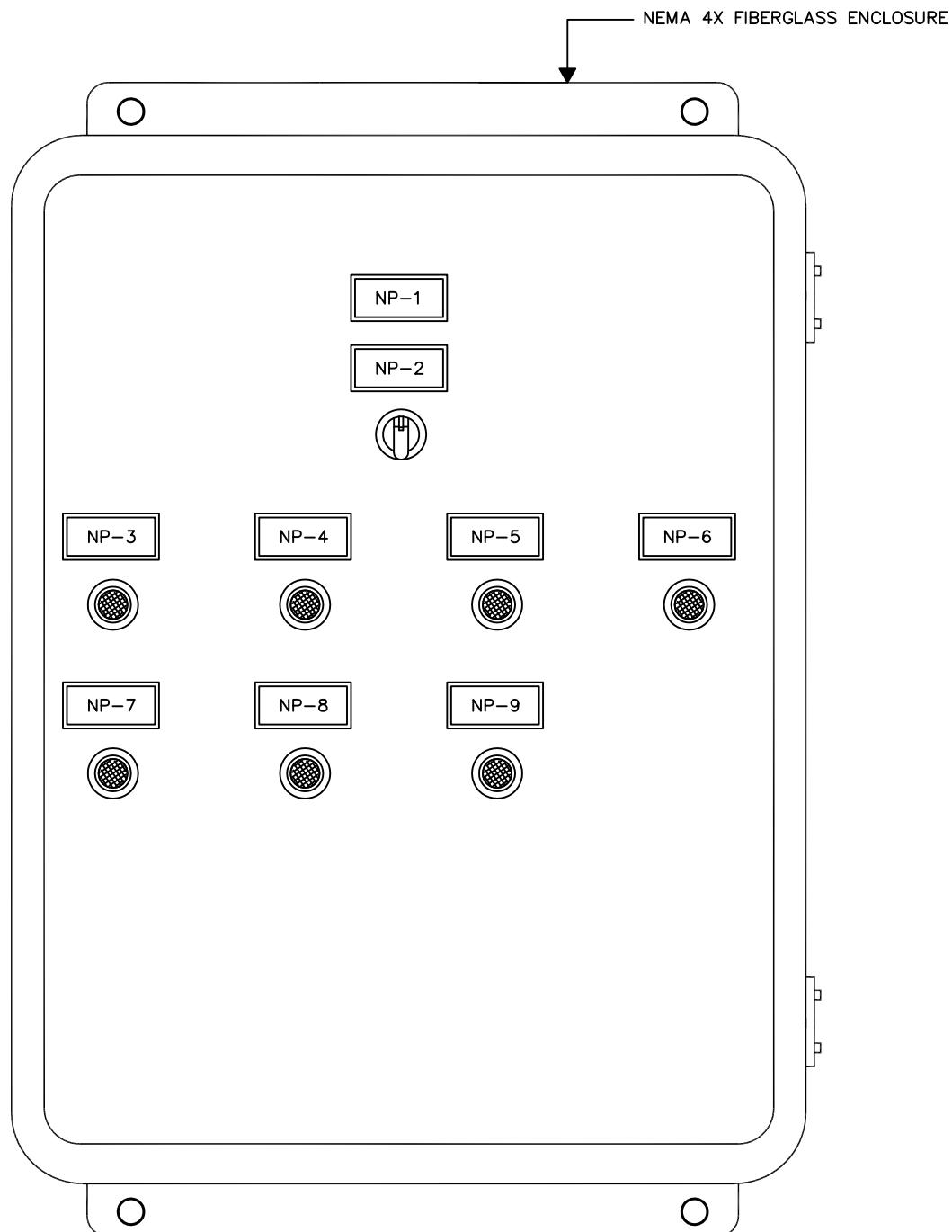


\* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

	Drawing Title						
	CONTROL DIAGRAM						
DATE 9/02/10	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY J. HEUGHAN	ECN	DATE	BY
Project Title  SIMPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70879  Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER  DRAWING NUMBER CP-1210A  SHEET NUMBER 3		



	Drawing Title  CONTROL DIAGRAM					
DATE 9/02/10	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY J.HEUGHAN	ECN	DATE	BY
	Project Title  SIMPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70879  Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER  DRAWING NUMBER CP-1210A  SHEET NUMBER 3		



VIEW OF OUTER DOOR

NAMEPLATE SCHEDULE

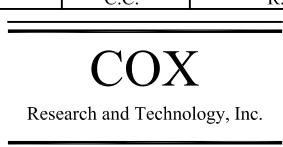
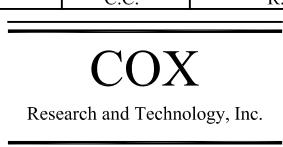
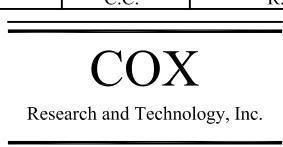
**NOTE:**  
SEWER GASES WILL DESTROY COMPONENTS IN PANEL.  
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE  
PANEL TO PREVENT ENTRY OF GASES.

NP-1	PUMP SPRINKLER CONTROL PANEL	NP-6	SPRINKLER 4
NP-2	HOA	NP-7	SPRINKLER 5
NP-3	SPRINKLER 1	NP-8	SPRINKLER 6
NP-4	SPRINKLER 2	NP-9	SPRINKLER 7
NP-5	SPRINKLER 3		

	Drawing Title					
	ENCLOSURE					
DATE 9/02/10	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY J.HEUGHAN	ECN	DATE APPROVED BY DATE	BY
	Project Title SIMPLEX PUMP CONTROL PANEL	<hr/> <hr/> <hr/> <b>COX</b> <hr/> <hr/> <hr/> Research and Technology, Inc. <hr/> <hr/> <hr/>	P.O. Box 77808 Baton Rouge, LA 70879  Ph. (225)756-3271 Fax (225)755-1030		PURCHASE ORDER NUMBER  DRAWING NUMBER CP-1210A  SHEET NUMBER 4	

## BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816	BACKPLATE
2	1	ABB	A26N1-30-10-84	MOTOR STARTER
3	1	ABB	TA25DU8.5	O.L. RELAY (6.0-8.5A)
4	1	ABB	S1N015TL	CB1
5	1	SQUARE D	9070TF200D1	TRANSFORMER
6	1	ABB	C3SS110B-20	HOA SWITCH
7	1	MARATHON	1323580	DISTRIBUTION BLOCK
8	7	DAYTON	6A854	TIME DELAY
9	1	GRASSLIN	FM1-STUZHL	24HR CLOCK
10	7	ABB	CL513R	RED LED PILOT LIGHT
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	Drawing Title									
	BILL OF MATERIALS									
			REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
DATE 9/02/10			S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED		
				C.C.	R.C.	BY J.HEUGHAN	BY	DATE		
	Project Title		 <b>COX</b> <small>Research and Technology, Inc.</small>			PURCHASE ORDER NUMBER				
	SIMPLEX PUMP CONTROL PANEL		 <b>COX</b> <small>Research and Technology, Inc.</small>			DRAWING NUMBER				
			 <b>COX</b> <small>Research and Technology, Inc.</small>			CP-1210A				
						SHEET NUMBER				
						5				