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# COX

Research and Technology, Inc.

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SC-2/CMS  
RAKE  
CONTROL PANEL

# AS BUILTS

SEPTEMBER 28, 2012

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

SOLD TO:
TAG: SC-2/CMS

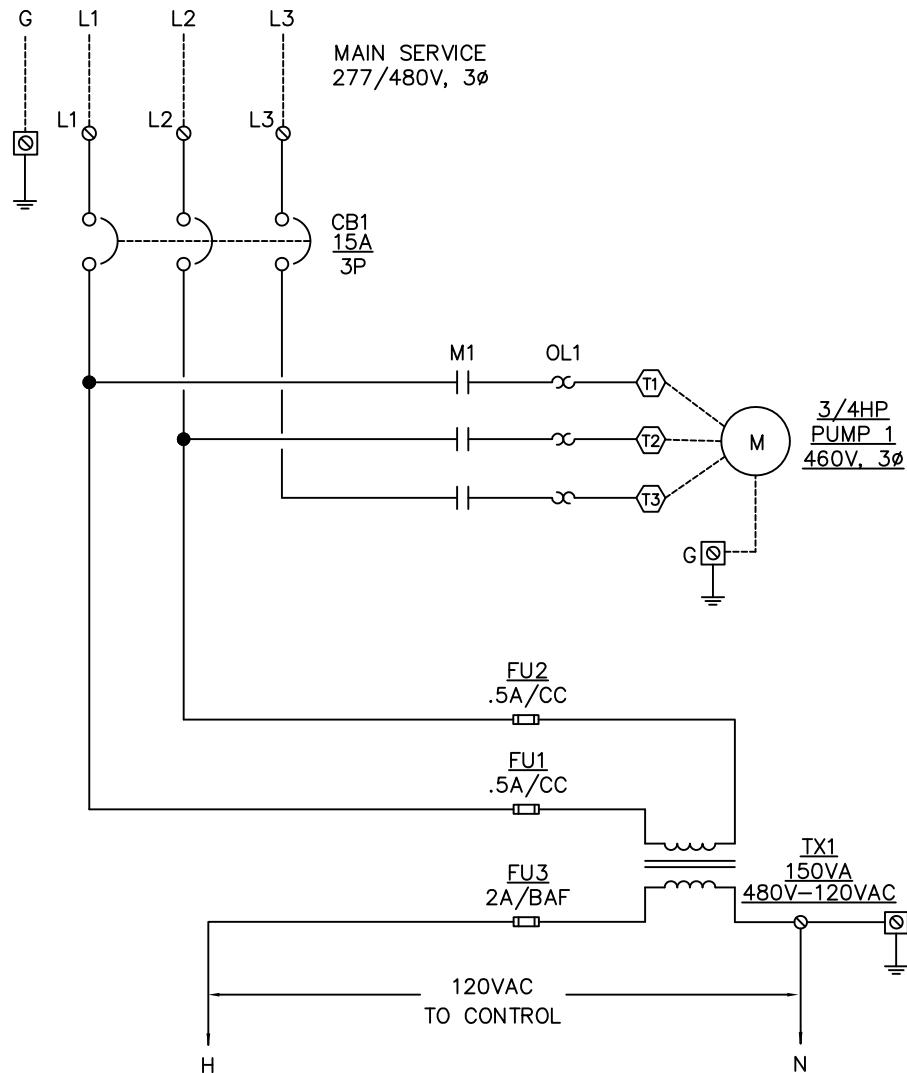
SHIP TO:

SPECIAL NOTES:

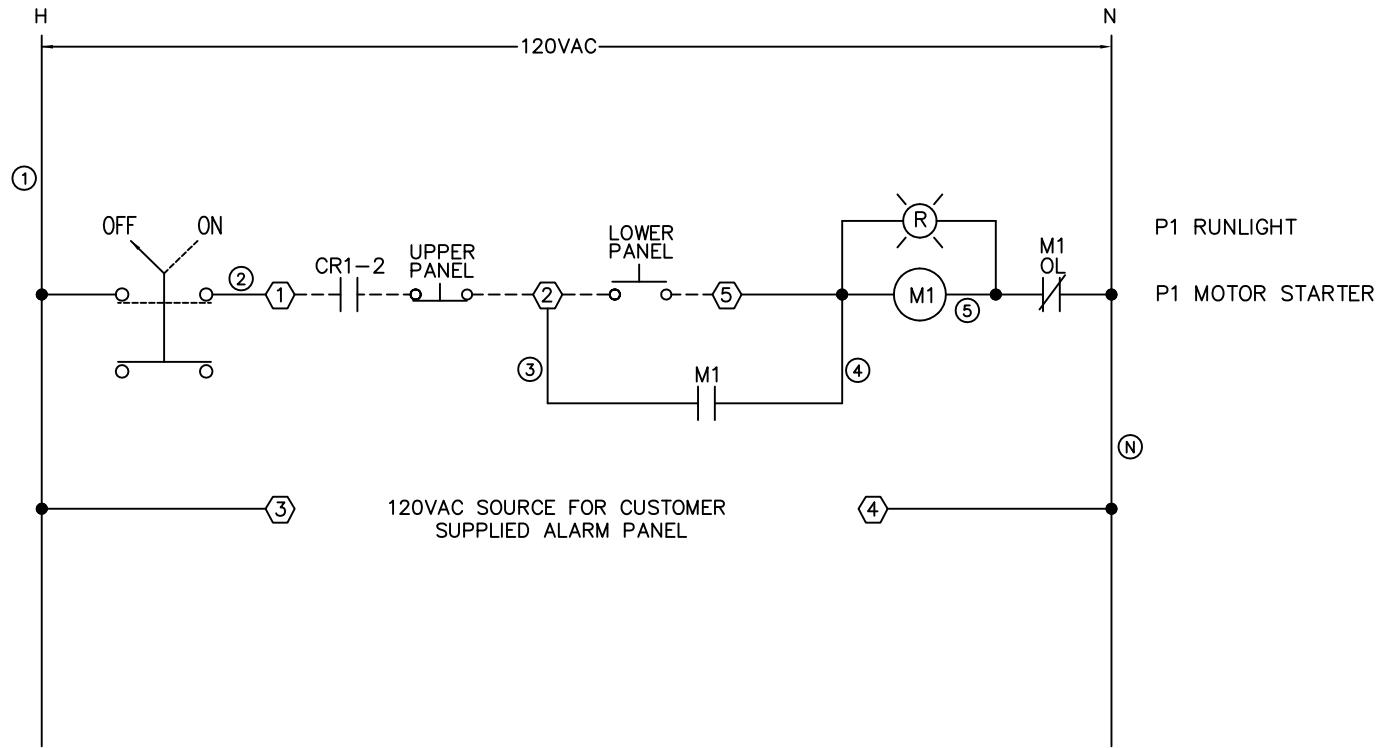
Panel Type	Simplex
Voltage	277/480
Phase/HZ	3/60
No. Motors	1
HP	3/4
FLA	1.6
Pump Manufacturer	
Type of Pump	Self-Priming
Catalog Number	
Capacitors	No
Control Voltage	120V
Control Power Transformer VA = 150	Yes
Enclosure NEMA Rating	4
Enclosure Material	Painted Steel
Enclosure Size	16x14x8
Inner Swing Panel	No
Control Sensor	FLOATS
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:

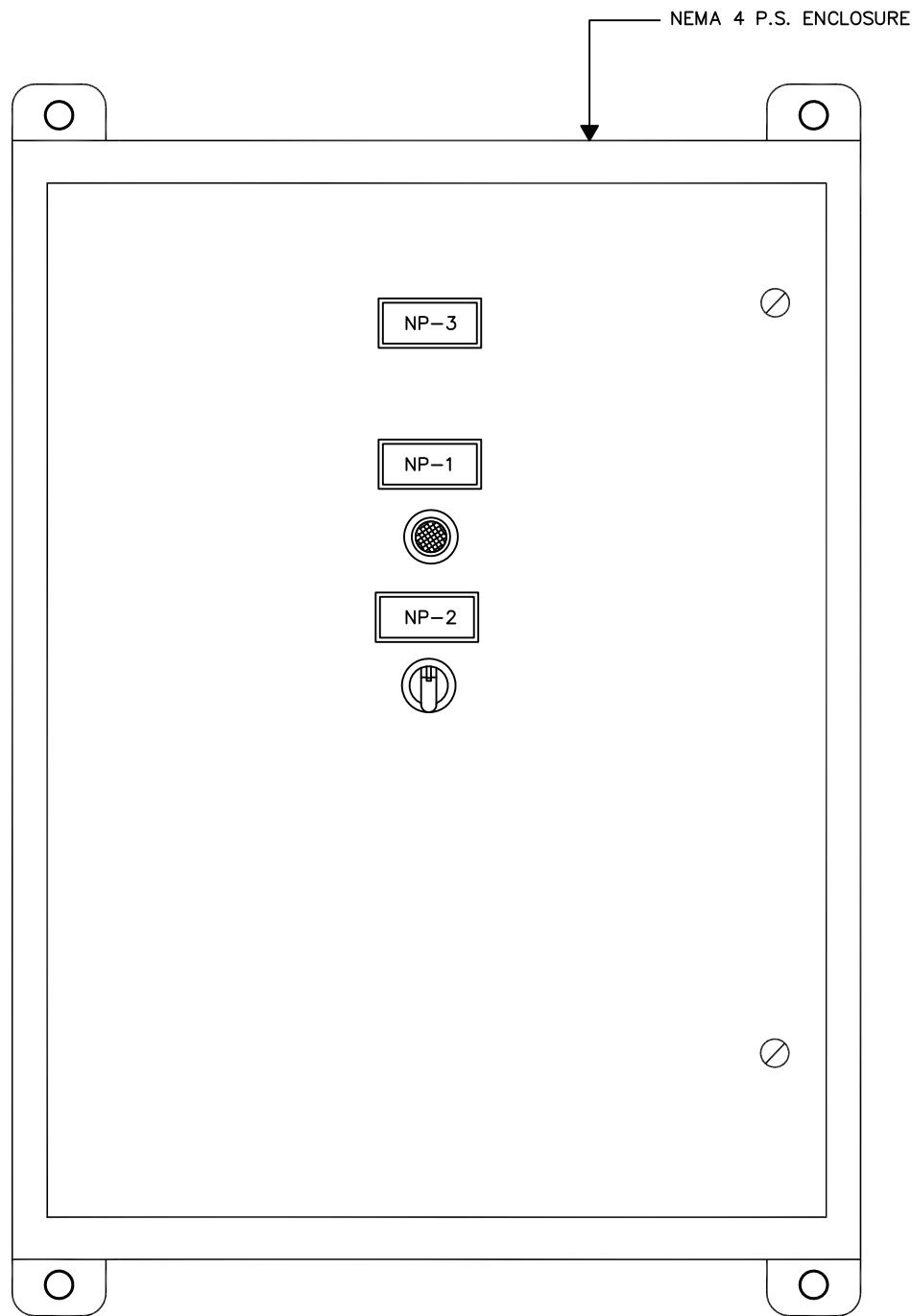
	Drawing Title						
	PANEL DESCRIPTION						
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 09/21/12		S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	
				T.L.	BY E. ECKER	BY	DATE
	Project Title	 <b>COX</b> Research and Technology, Inc. 			PURCHASE ORDER NUMBER		
	STOLTHAVEN				DRAWING NUMBER CP-1247rl		
					SHEET NUMBER 1		



	Drawing Title  <b>POWER DIAGRAM</b>				
DATE 09/21/12	REFERENCE DRAWING S/N	NO. Sales Engineer	REVISION-LOCATION Application Engineer T.L.	ECN DRAWN BY E. ECKER	DATE APPROVED BY DATE
Project Title  <b>STOLTHAVEN</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-1247rl SHEET NUMBER 2



	Drawing Title					
	CONTROL DIAGRAM					
DATE 09/21/12	REFERENCE DRAWING S/N	NO. Sales Engineer	REVISION-LOCATION Application Engineer T.L.	ECN DRAWN BY E. ECKER	DATE APPROVED BY DATE	BY
	Project Title STOLTHAVEN	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-1247rl SHEET NUMBER 3	



VIEW OF FRONT DOOR OF PANEL

NAMEPLATE SCHEDULE

NP-1	RUN
NP-2	OFF-ON
NP-3	SC2/CMS

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

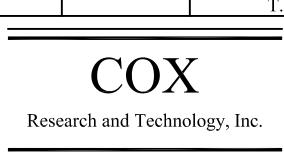
DATE 09/21/12	Drawing Title  ENCLOSURE	REFERENCE DRAWING			NO. T.L.	REVISION-LOCATION		ECN	DATE	BY
		S/N	Sales Engineer	Application Engineer		DRAWN	APPROVED			
	Project Title  STOLTHAVEN				BY E. ECKER		BY DATE			

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-1247rl
	SHEET NUMBER

# BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	SAGINAW	SCE-16EL1408LP	ENCLOSURE
1a	1	SAGINAW	SCE-16P14	BACKPLATE
2	1	ABB	T1NO15TL	CB1
3	1	ABB	A16-30-10-84	MOTOR STARTER
4	1	ABB	TA25DU1.8	OL RELAY (1.3-1.8A)
5	1	ABB	CL513R	RED LED PILOT
6	1	ABB	C2SS210B-11	ON-OFF SWITCH
7	1	ABB	X4150PSF-1	TRANSFORMER
8				
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10				
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22				
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24				

	Drawing Title							
	BILL OF MATERIALS							
			REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 09/21/12			S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	
					T.L.	BY E. ECKER	BY	DATE
	Project Title		 <b>COX</b> <small>Research and Technology, Inc.</small>		P.O. Box 77808 Baton Rouge, LA 70879  Ph. (225)756-3271 Fax (225)755-1030		PURCHASE ORDER NUMBER	
	STOLTHAVEN						DRAWING NUMBER	
							CP-1247rl	
					SHEET NUMBER		5	