
COX

Research and Technology, Inc.

DAF/CMS
SIMPLEX PUMP
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: DAF/CMS

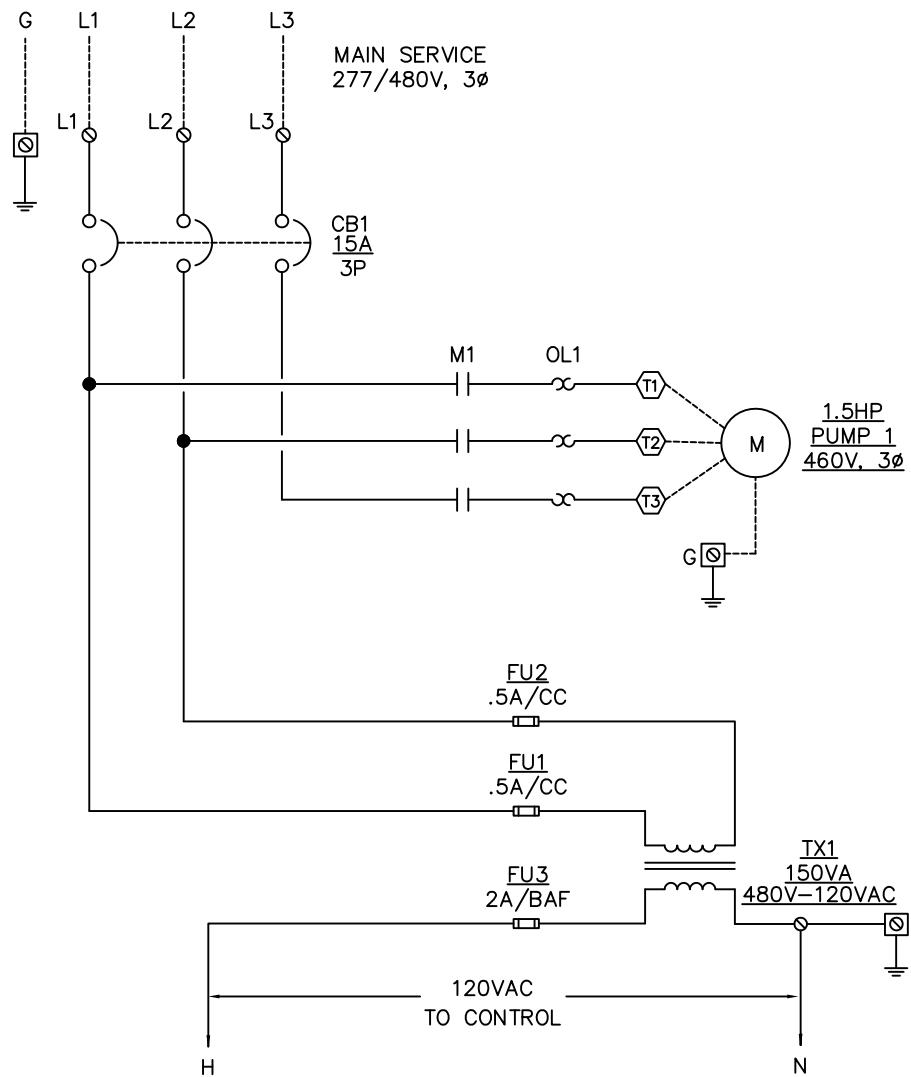
SHIP TO:

SPECIAL NOTES:

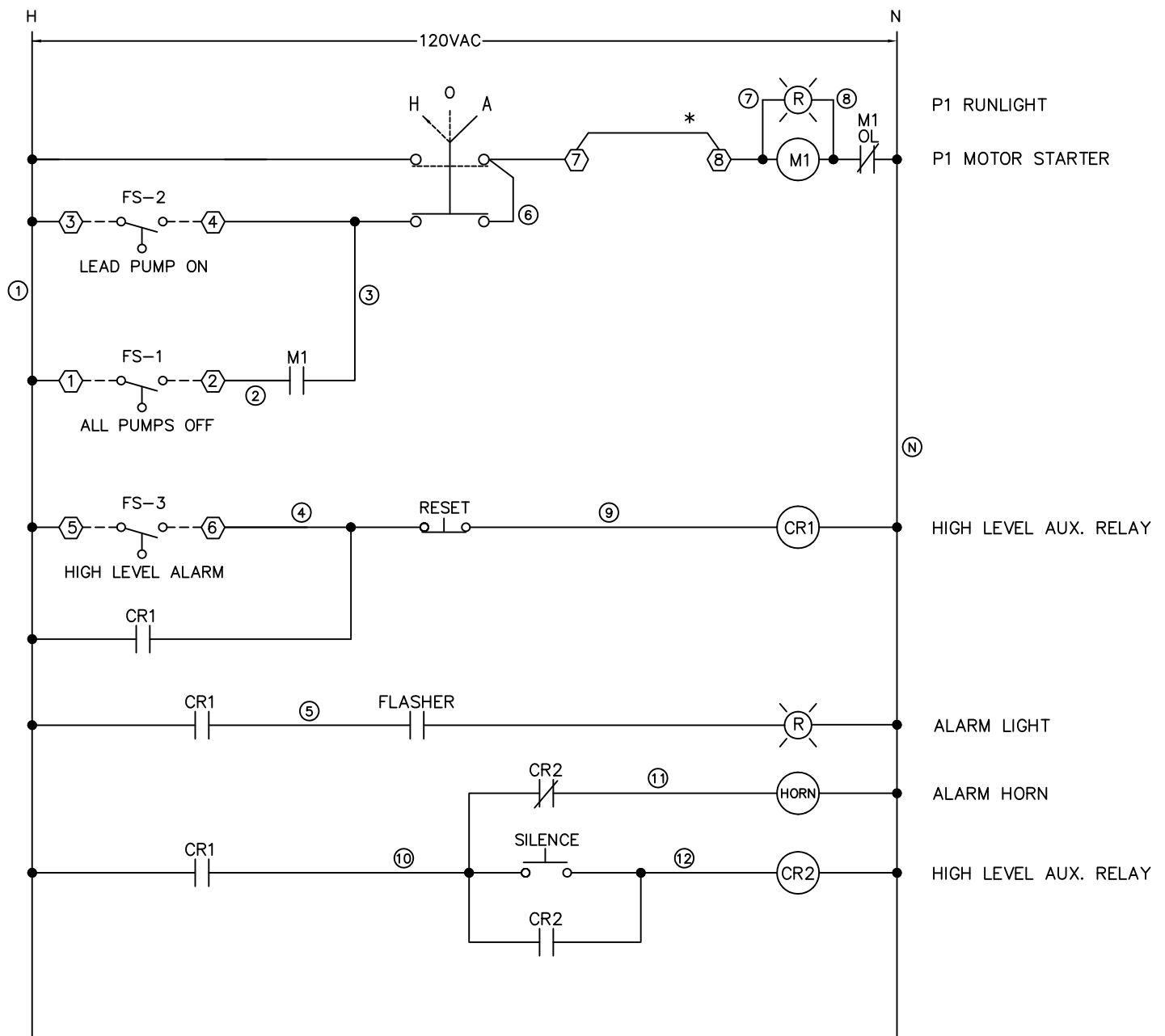
Panel Type	Simplex
Voltage	277/480
Phase/HZ	3/60
No. Motors	1
HP	1.5
FLA	3
Pump Manufacturer	
Type of Pump	Self-Priming
Catalog Number	
Capacitors	No
Control Voltage	120V
Control Power Transformer VA = 150	Yes
Enclosure NEMA Rating	4
Enclosure Material	Painted Steel
Enclosure Size	16x14x8
Inner Swing Panel	No
Control Sensor	FLOATS
UL508A Labeling	No
UL698A Labeling	No

Alarm Light - Panel Door Mount	
Alarm Light - Panel Top Mount	X
Alarm Light - Remote	
Alarm Test Switch	
Alarm Silence Switch	X
Alarm Acknowledge Switch	X
Alternator with Lead Pump Selector Switch	
Audible Alarm - Bell	
Audible Alarm - Horn	X
Audible Alarm - Piezzo	
Cycle Counters	
Economy Version	
Elapsed Time Meters	
Flasher	X
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	X
Starters - NEMA	
Unpowered Alarm Circuits #2	X
OTHER:	

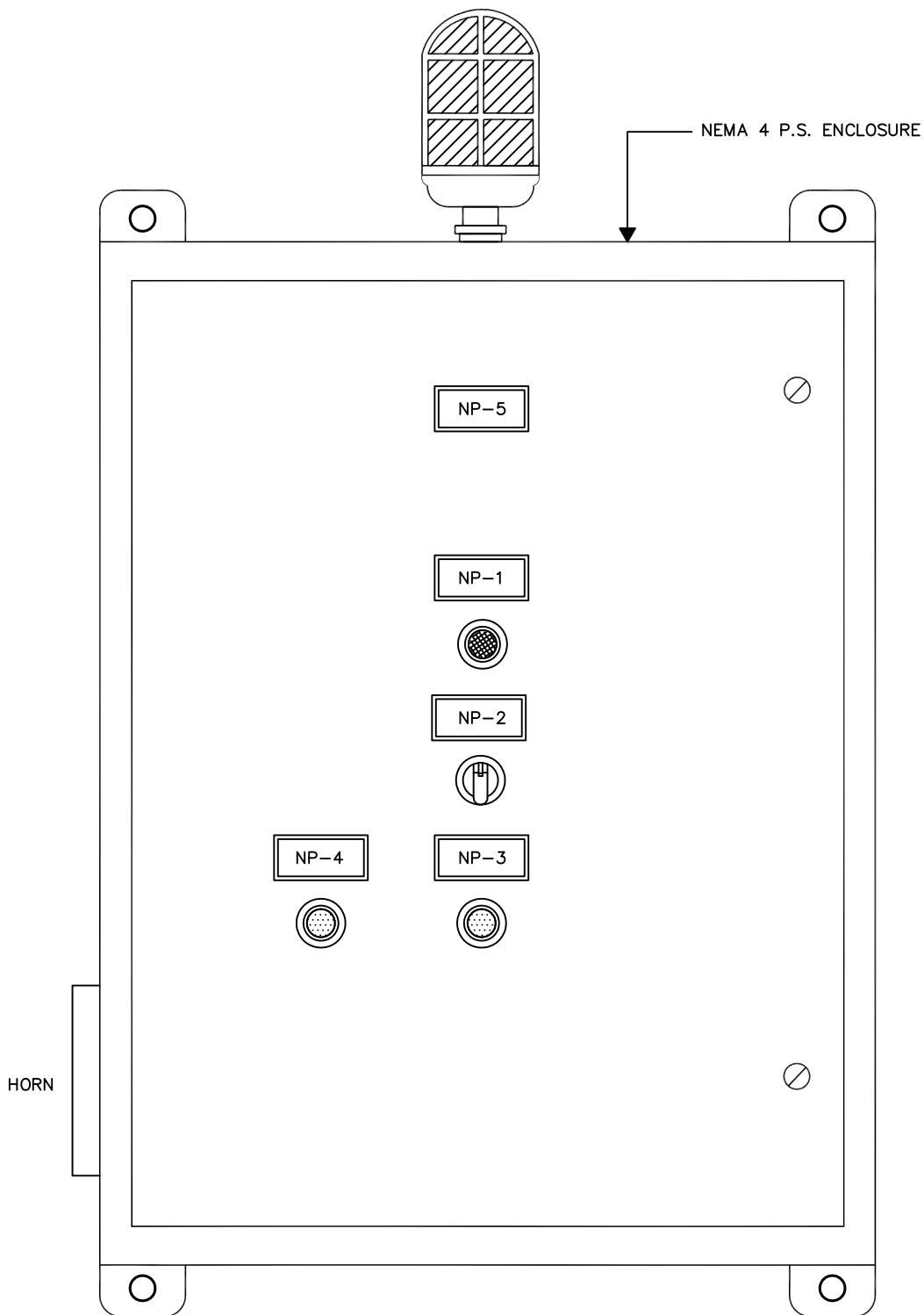
	Drawing Title						
	PANEL DESCRIPTION						
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 09/21/12		S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	
				T.L.	BY E. ECKER	BY	DATE
	Project Title	<hr/> COX <small>Research and Technology, Inc.</small> <hr/>			P.O. Box 77808 Baton Rouge, LA 70879	PURCHASE ORDER NUMBER	
	STOLTHAVEN				Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-1245rl	
						SHEET NUMBER 1	



	Drawing Title POWER 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
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-1245r1 SHEET NUMBER 2



	Drawing Title CONTROL DIAGRAM				
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN
DATE 09/21/12		S/N	Sales Engineer	DRAWN T.L. BY E. ECKER	DATE APPROVED BY DATE
	Project Title STOLTHAVEN	COX Research and Technology, Inc.			PURCHASE ORDER NUMBER
					DRAWING NUMBER CP-1245r1
					SHEET NUMBER 3



VIEW OF FRONT DOOR OF PANEL

NAMEPLATE SCHEDULE

NP-1	RUN
NP-2	HOA
NP-3	ALARM SILENCE
NP-4	ALARM RESET
NP-5	DAF/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.	REVISION-LOCATION		ECN	DATE	
S/N		Sales Engineer	Application Engineer	T.L.	DRAWN	APPROVED			
		BY E. ECKER		BY DATE					
Project Title STOLTHAVEN		<hr/> COX Research and Technology, Inc. <hr/>			P.O. Box 77808 Baton Rouge, LA 70879 Ph. (225)756-3271 Fax (225)755-1030		PURCHASE ORDER NUMBER		
					DRAWING NUMBER		CP-1245r1		
					SHEET NUMBER		4		

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	TA25DU4.0	OL RELAY (2.8-4.0A)
5	1	SSAC	FS126RC	FLASHER
6	1	ABB	CL513R	RED LED PILOT
7	1	ABB	C3SS110B-20	HOA SWITCH
8	1	ABB	X4150PSF-1	TRANSFORMER
9	2	ABB	CP110B-11	PUSH BUTTON
10	2	IDECK	RY4SULAC120	CR1,2
11	1	CONERY	RA-A-VP100RDG	ALARM LIGHT
12	1	EDWARD SIGNAL	870P-N5	HORN
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				

	Drawing Title								
	BILL OF MATERIALS								
DATE 09/21/12	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE BY		
	S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED			
			T.L.	BY E. ECKER		BY	DATE		
	Project Title		COX			PURCHASE ORDER NUMBER			
	STOLTHAVEN		Research and Technology, Inc.			DRAWING NUMBER			
						CP-1245r1			
						SHEET NUMBER			
						5			