
COX

Research and Technology, Inc.

AD-1
TRIPLEX 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: AD-1

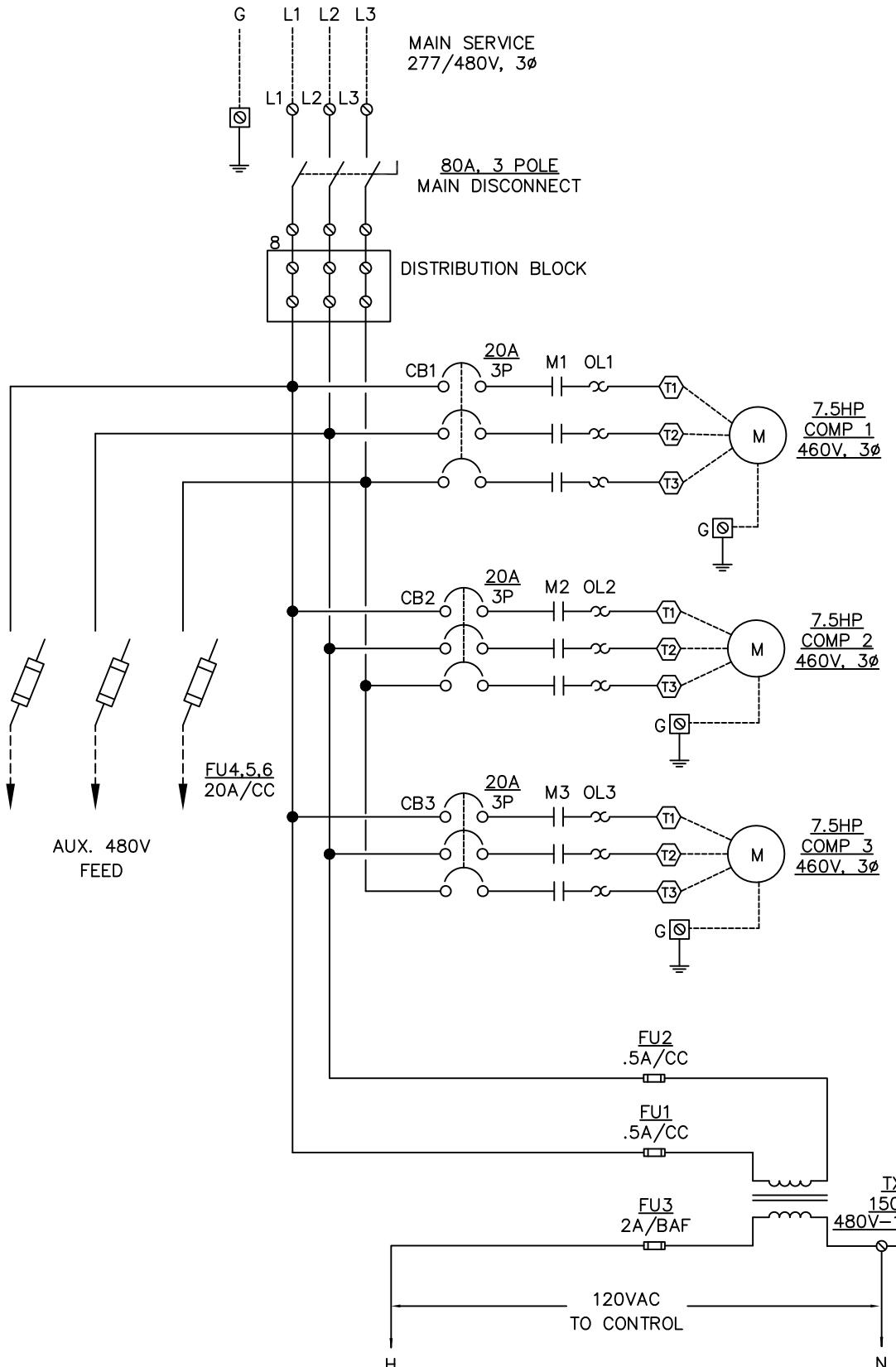
SHIP TO:

SPECIAL NOTES:

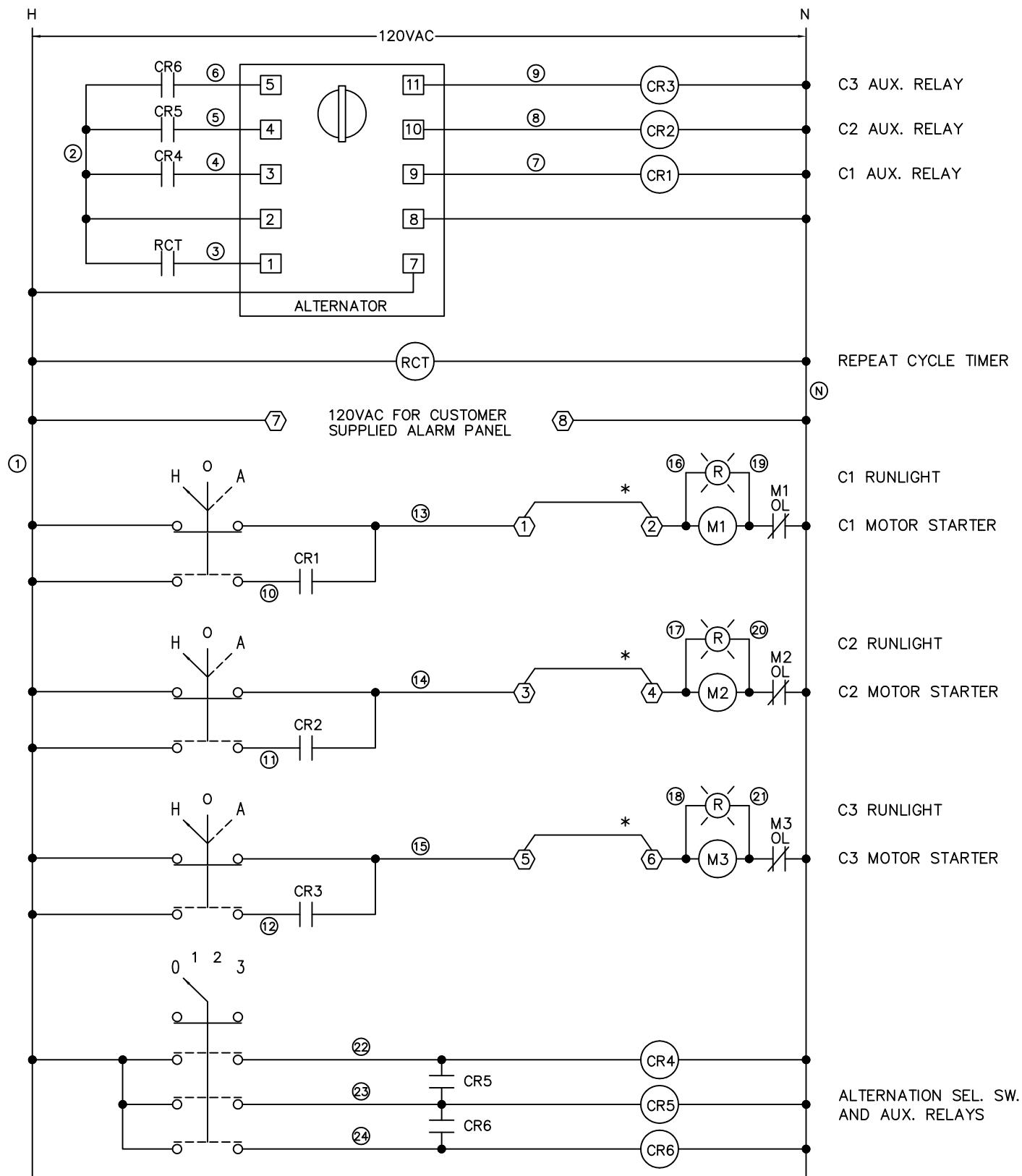
Panel Type	Triplex
Voltage	277/480
Phase/HZ	3/60
No. Motors	3
HP	7.5
FLA	11
Pump Manufacturer	
Type of Pump	
Catalog Number	
Capacitors	No
Control Voltage	120V
Control Power Transformer VA = 150	Yes
Enclosure NEMA Rating	4
Enclosure Material	Painted Steel
Enclosure Size	30x24x8
Inner Swing Panel	No
Control 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	X
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	X
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	 COX Research and Technology, Inc. 			PURCHASE ORDER NUMBER		
	STOLTHAVEN				DRAWING NUMBER CP-1251rl		
					SHEET NUMBER 1		



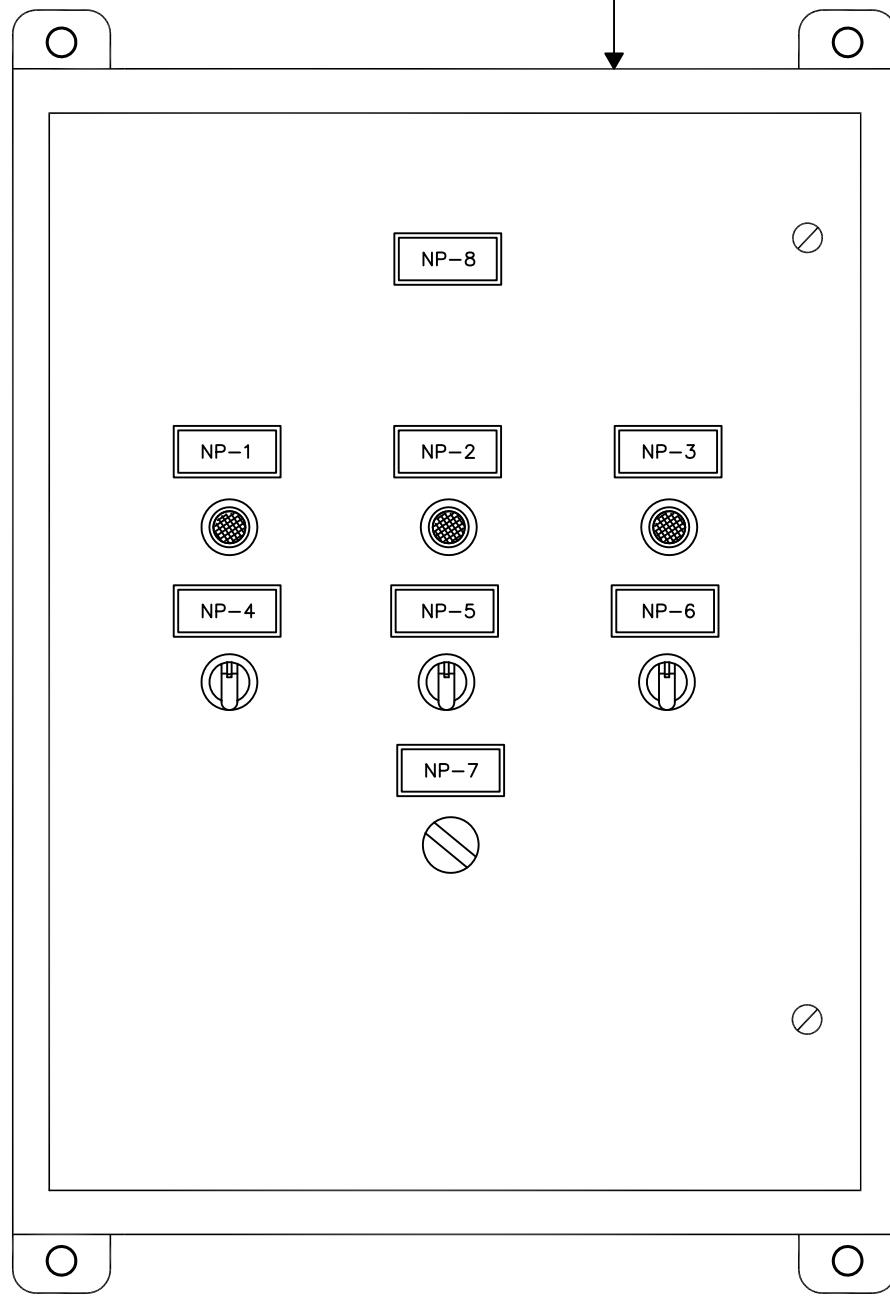
	Drawing Title									
	POWER DIAGRAM									
DATE 09/21/12	REFERENCE DRAWING S/N	NO. Sales Engineer	REVISION-LOCATION Application Engineer T.L.	DRAWN BY E. ECKER	ECN	DATE APPROVED BY DATE				
Project Title STOLTHAVEN	<hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc. <hr/> <hr/>		P.O. Box 77808 Baton Rouge, LA 70879	Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1251rl SHEET NUMBER 2					



* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

	Drawing Title CONTROL DIAGRAM					
		REFERENCE DRAWING S/N	NO. Sales Engineer	REVISION-LOCATION Application Engineer T.L.	ECN	DATE BY
DATE 09/21/12				DRAWN BY E. ECKER	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-1251rl SHEET NUMBER	
						3

NEMA 4 P.S. ENCLOSURE



VIEW OF FRONT DOOR OF PANEL

NAMEPLATE SCHEDULE

NP-1	COMPRESSOR 1/RUN
NP-2	COMPRESSOR 2/RUN
NP-3	COMPRESSOR 3/RUN
NP-4	HOA
NP-5	HOA
NP-6	HOA
NP-7	NO. OF COMPRESSOR / 0-1-2-3
NP-8	AD-1

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						
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 09/21/12	S/N	Sales Engineer	Application Engineer	DRAWN T.L. BY E. ECKER	APPROVED BY DATE		
	Project Title	<hr/> <hr/> <hr/> COX <hr/> <hr/> <hr/> Research and Technology, Inc. <hr/> <hr/>			P.O. Box 77808 Baton Rouge, LA 70879 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1251rl SHEET NUMBER 4	
	STOLTHAVEN						

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	SAGINAW	SCE-30EL2408LP	ENCLOSURE
1a	1	SAGINAW	SCE-30P24	BACKPLATE
2	1	ABB	OT80F3	DISCONNECT SWITCH
3	3	ABB	T1NO20TL	CB1,2,3
4	3	ABB	A16-30-10-84	MOTOR STARTER
5	3	ABB	TA25DU14	OL RELAY (10-14A)
6	3	PHOENIX	3048580	FUSE HOLDER
7	1	DIVERSIFIED	ARM-120-ACE	ALTERNATING RELAY
8	1	MARATHON	1323580	DISTRIBUTION BLOCK
9	3	ABB	CL513R	RED LED PILOT
10	3	ABB	C3SS110B-20	HOA SWITCH
11	1	ABB	X4150PSF-1	CPT
12	6	IDEC	RY2SULAC120	CR1-6
13	1	OMRON	H3CR-F8-300	RCT
14	1	SIEMENS	52SX2HAB	4 POSITION SWITCH
15	2	SIEMENS	52BAK	CONTACT BLOCKS
16	2	SIEMENS	52BAJ	CONTACT BLOCKS
17				
18				
19				
20				
21				
22				
23				
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		 COX Research and Technology, Inc.		PURCHASE ORDER NUMBER P.O. Box 77808 Baton Rouge, LA 70879 DRAWING NUMBER CP-1251r1 SHEET NUMBER 5			
	STOLTHAVEN							