
COX

Research and Technology, Inc.

OAK ALLEY DUPLEX PUMP CONTROL PANEL

AS BUILTS

OCTOBER 26, 2017

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

SOLD TO:
TAG: Oak Alley Duplex Pump Control Panel

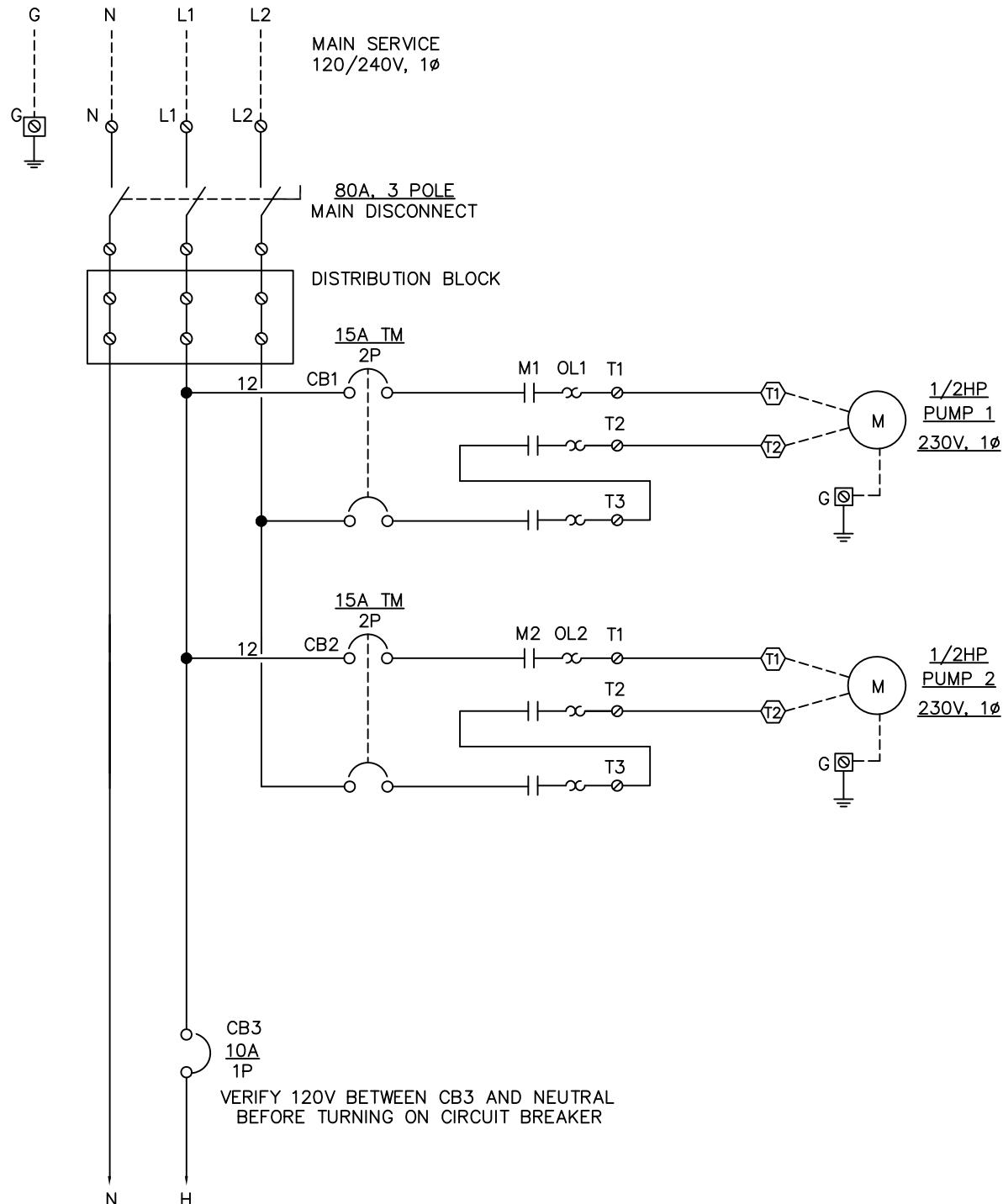
SHIP TO:

SPECIAL NOTES:

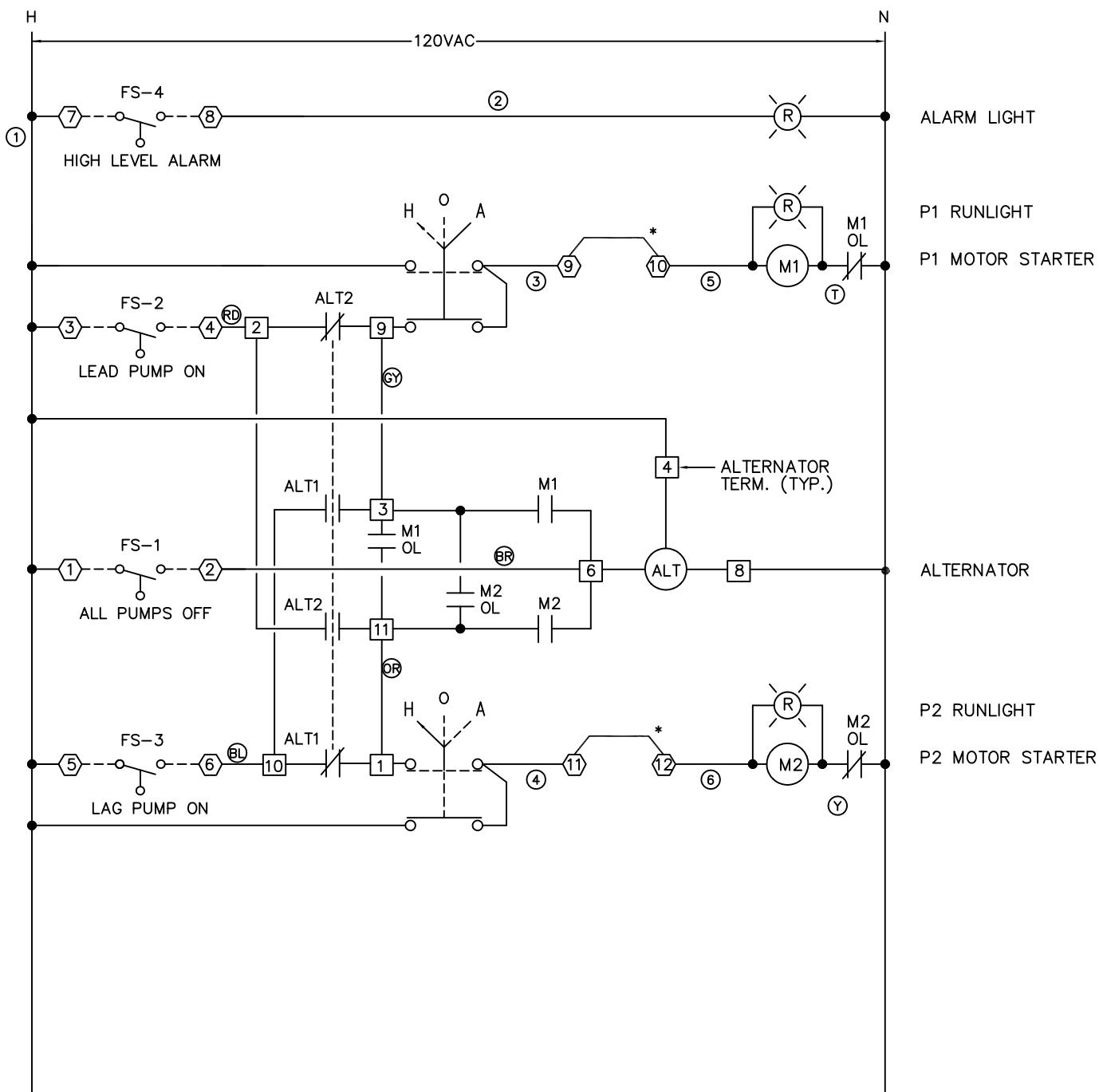
Panel Type	Duplex
Voltage	120/240V
Phase/HZ	1/60
No. Motors	2
HP	1/2
FLA	4.9
Pump Manufacturer	Myers
Type of Pump	Submersible
Catalog Number	WHR
Capacitors	Yes
Control Voltage	120V
Control Power Transformer VA =	No
Enclosure NEMA Rating	4X
Enclosure Material	Fiberglass
Enclosure Size	18x16x10
Inner Swing Panel	Yes
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	
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/Termostat 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						
DATE 10/26/17	REFERENCE DRAWING		NO.	REVISION-LOCATION	ECN	DATE	BY
	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED		
Project Title	DUPLEX PUMP CONTROL PANEL		COX		P.O. Box 77808 Baton Rouge, LA 70879	PURCHASE ORDER NUMBER	
			C.C.	R.C.		BY S.HODGES	BY
					DRAWING NUMBER CP-1204R1		
					SHEET NUMBER 1		

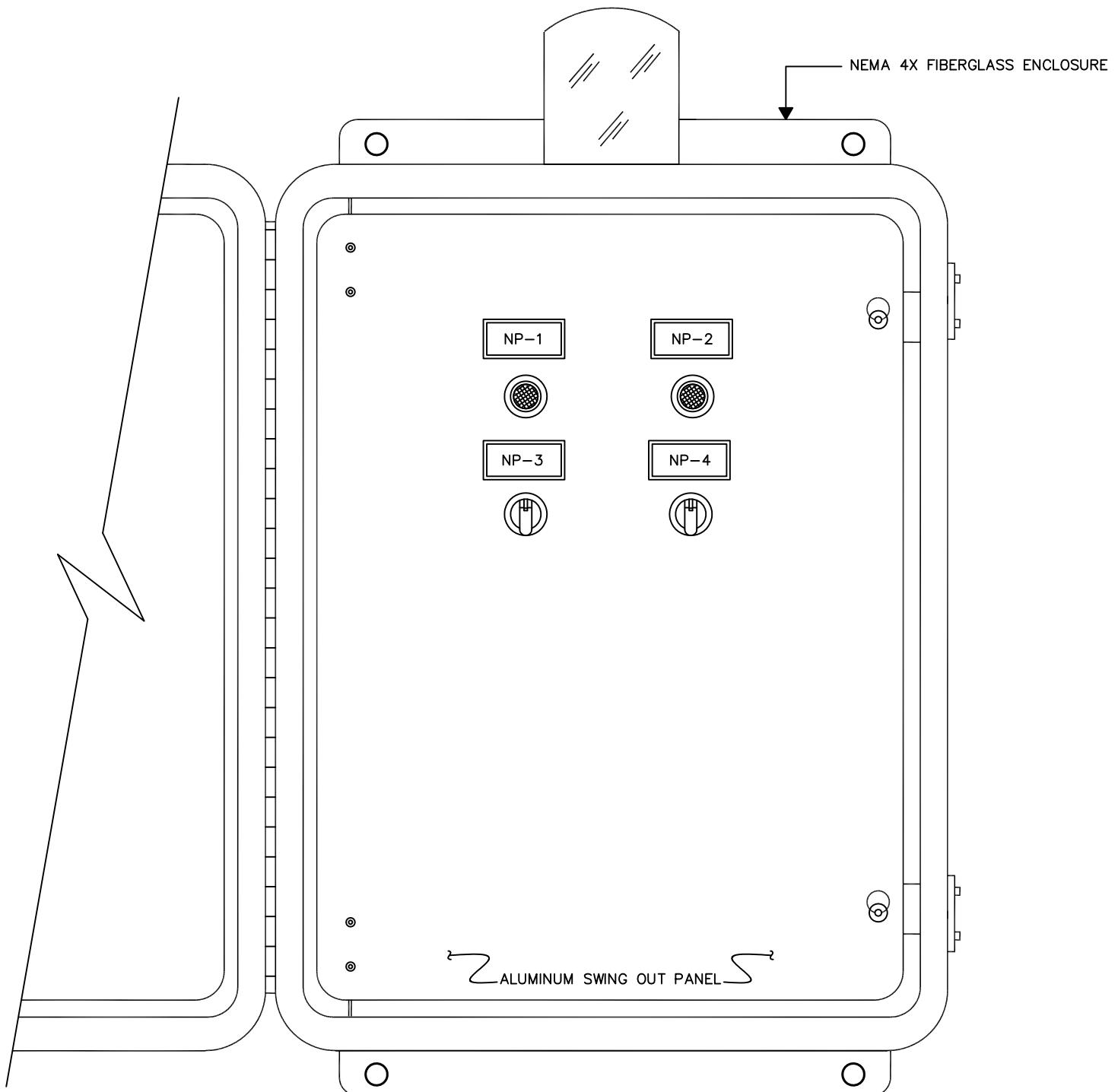


	Drawing Title POWER DIAGRAM			
DATE 10/26/17	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY S.HODGES
				DATE APPROVED BY DATE
Project Title DUPLEX PUMP CONTROL PANEL	<u>COX</u> Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70879 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1204R1 SHEET NUMBER 2



* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED.

	Drawing Title CONTROL DIAGRAM					
DATE 10/26/17		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY S.HODGES	ECN APPROVED BY	DATE BY DATE
	Project Title DUPLEX PUMP CONTROL PANEL	<hr/> <hr/> COX <hr/> <hr/> 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-1204R1		
				SHEET NUMBER 3		



VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

NP-1	PUMP 1/RUN
NP-2	PUMP 2/RUN
NP-3	HAND-OFF-AUTO
NP-4	HAND-OFF-AUTO

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 DATE 10/26/17				
	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY S.HODGES
				DATE APPROVED BY DATE
Project Title DUPLEX PUMP CONTROL PANEL	<hr/> COX <hr/> Research and Technology, Inc. <hr/>		P.O. Box 77808 Baton Rouge, LA 70879	PURCHASE ORDER NUMBER
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BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	1	ABB	OT63F3	MAIN DISC. SWITCH
3	2	ABB	AF16-30-11-13	MOTOR STARTER
4	2	ABB	TF42-4.2	OVERLOAD
5	1	CONERY	R40-XLS	ALARM LIGHT
6	2	ABB	CL513R	RED PILOT LIGHT
7	2	ABB	C3SS110B-20	HOA SWITCH
8	1	MARATHON	1323580	DISTRIBUTION BLOCK
9	2	SQUARE D	QOU215	CB1,2
10	1	SQUARE D	QOU110	CB3
11	1	DIVERSIFIED	ARB-120-ADA	ALTERNATING RELAY
12				
13				
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	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED		
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						SHEET NUMBER	
						5	