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# COX

Research and Technology, Inc.

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## OAK ALLEY DUPLEX PUMP CONTROL PANEL

# AS BUILTS

DECEMBER 11, 2019

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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

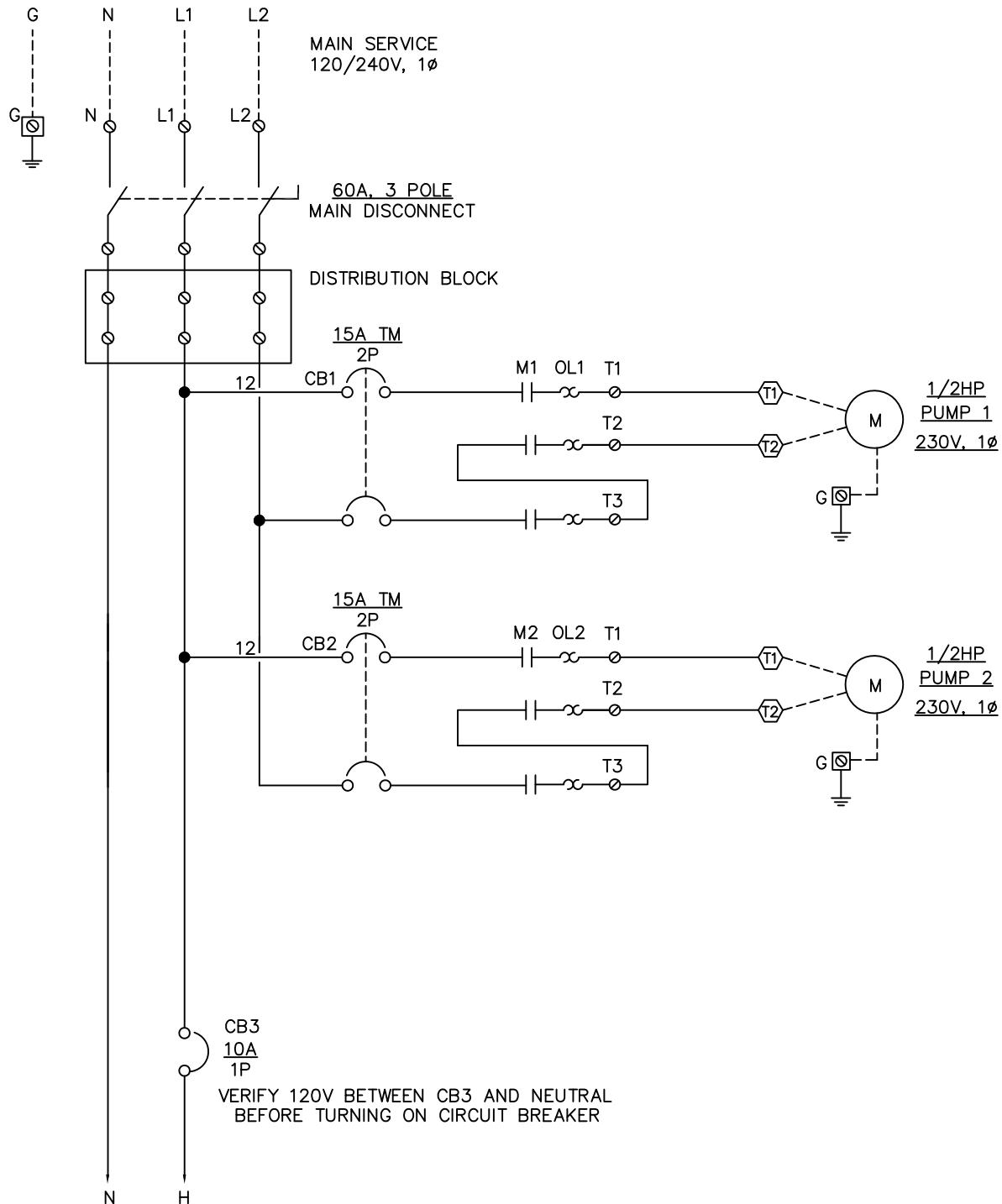
SHIP TO:

SPECIAL NOTES:

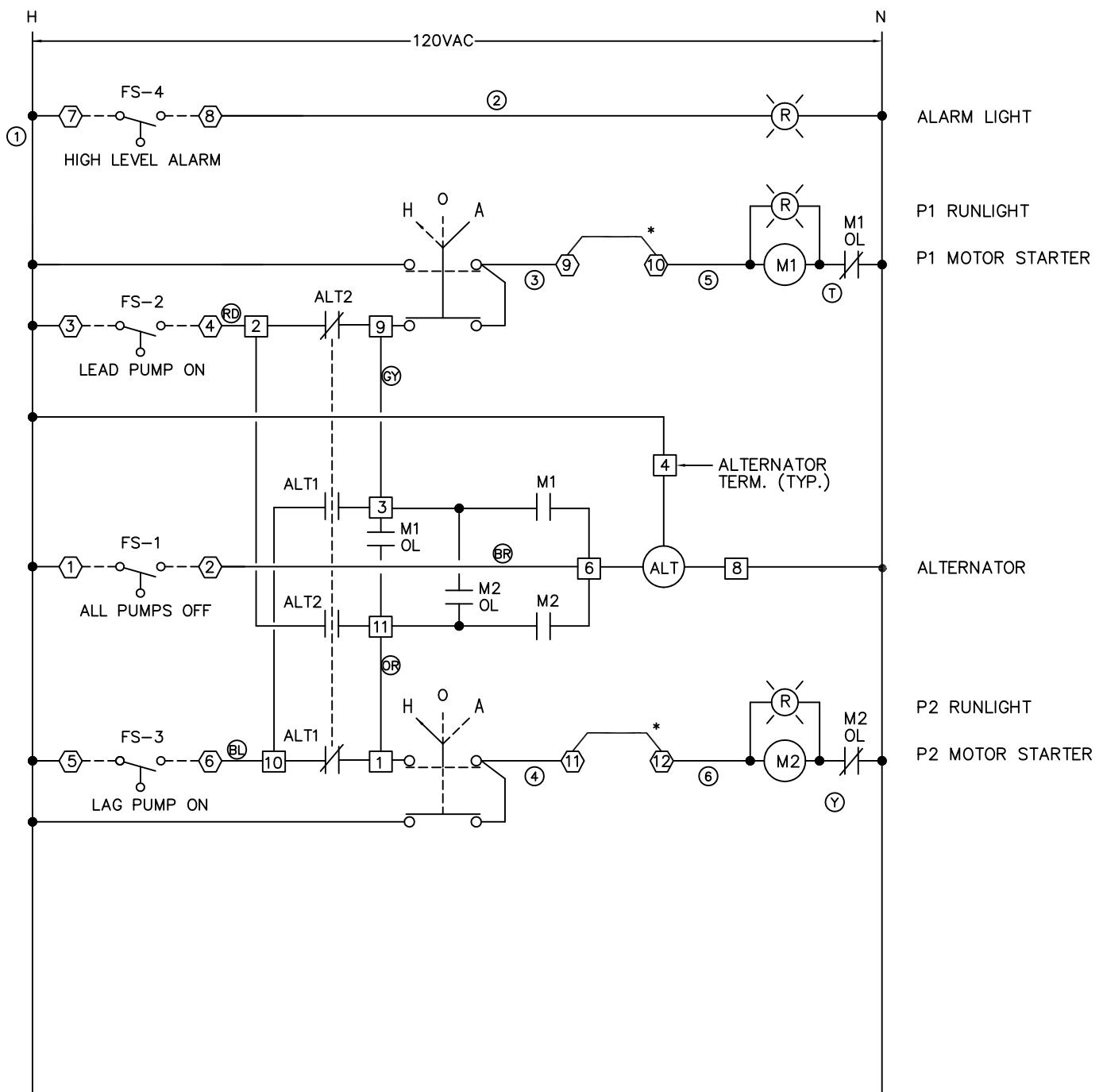
Panel Type	Duplex
Voltage	120/240V
Phase/HZ	1/60
No. Motors	2
HP	1/2
FLA	5.5
Pump Manufacturer	Myers
Type of Pump	Submersible
Catalog Number	WHR
Capacitors	Yes
Control Voltage	120V
Control Power Transformer VA =	No
Enclosure NEMA Rating	4X
Enclosure Material	Fiberglass
Enclosure Size	18x16x10
Inner Swing 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/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			R2	CHANGE OVERLOAD		12/05/19	N.B.
		REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE
DATE 12/11/19	S/N	Sales Engineer	Application Engineer	DRAWN	BY S.HODGES	APPROVED	BY DATE	
	Project Title  DUPLEX PUMP CONTROL PANEL	<hr/> <hr/> <b>COX</b> <hr/> <hr/> Research and Technology, Inc. <hr/> <hr/>		P.O. Box 77808 Baton Rouge, LA 70879	PURCHASE ORDER NUMBER			
				Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-1204R2		SHEET NUMBER	
							1	

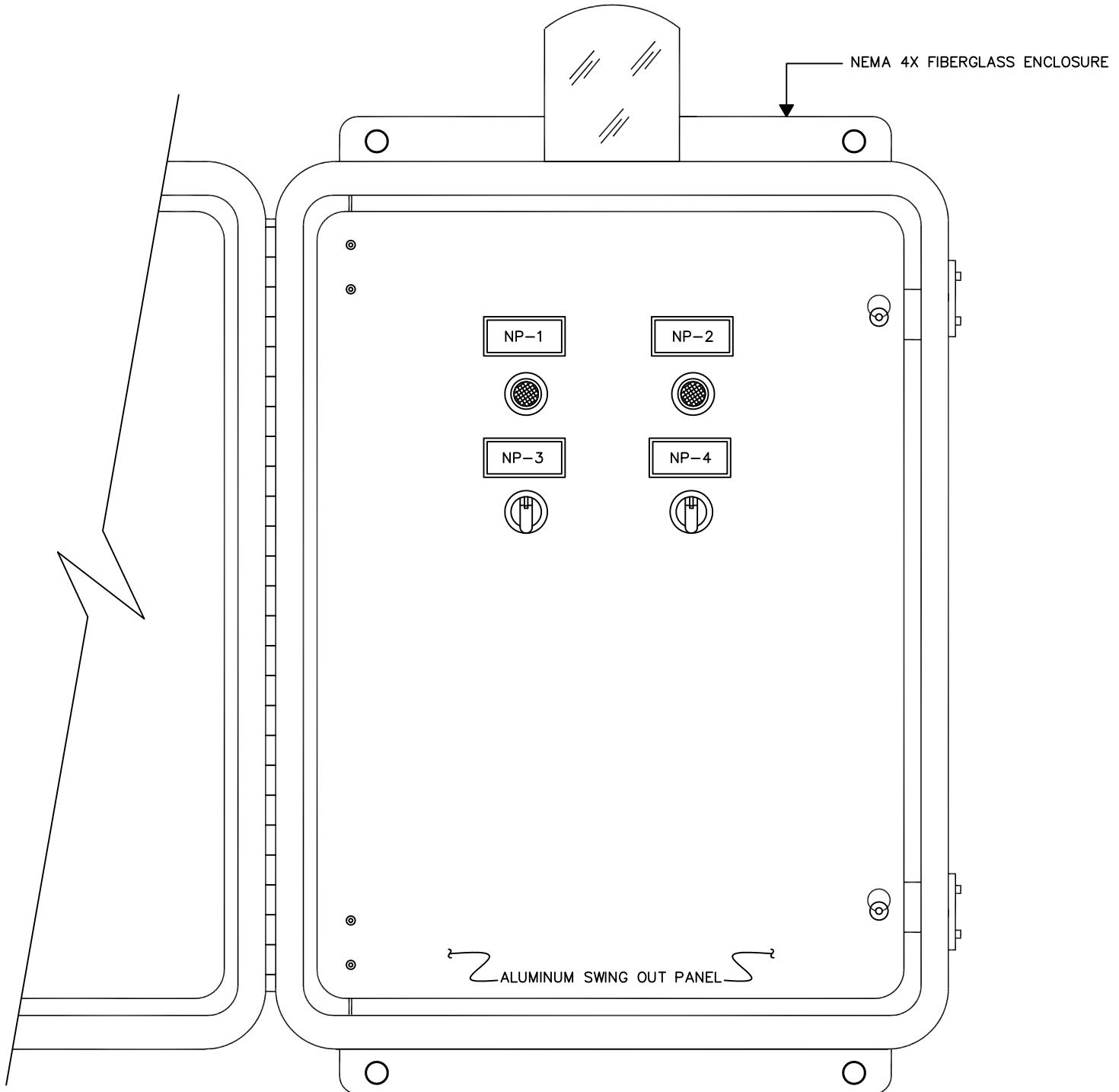


	Drawing Title  <b>POWER DIAGRAM</b>	R2	CHANGE OVERLOAD			12/05/19	N.B.
DATE 12/11/19	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN Application Engineer R.C.	ECN	DATE APPROVED BY		
	Project Title  <b>DUPLEX PUMP CONTROL PANEL</b>	<b>COX</b> Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70879	PURCHASE ORDER NUMBER	
					Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-1204R2	
						SHEET NUMBER 2	



\* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED.

	Drawing Title  CONTROL DIAGRAM  DATE 12/11/19	R2	CHANGE OVERLOAD			12/05/19	N.B.
		REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY S.HODGES	APPROVED BY	DATE
	Project Title  DUPLEX PUMP CONTROL PANEL	<hr/> <hr/> <hr/> <b>COX</b> Research and Technology, Inc. <hr/> <hr/>			P.O. Box 77808 Baton Rouge, LA 70879	PURCHASE ORDER NUMBER	
					Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-1204R2	
						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 GASSES WILL DESTROY COMPONENTS IN PANEL.  
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE  
PANEL TO PREVENT ENTRY OF GASSES.

	Drawing Title	R2	CHANGE OVERLOAD			12/05/19	N.B.
	<b>ENCLOSURE</b>						
DATE 12/11/19	REFERENCE DRAWING	NO.	REVISION-LOCATION		ECN	DATE	BY
	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY S.HODGES		APPROVED BY	DATE
	Project Title	<b>COX</b> Research and Technology, Inc.			PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL				DRAWING NUMBER CP-1204R2		
					SHEET NUMBER 4		

# 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	TF42-7.6	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	QUO215	CB1,2
10	1	SQUARE D	QUO110	CB3
11	1	DIVERSIFIED	ARB-120-ADA	ALTERNATING RELAY
12				
13				
14				
15				
16				
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26				

	Drawing Title		R2	CHANGE OVERLOAD			12/05/19	N.B.
	BILL OF MATERIALS							
			REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 12/11/19			S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	
				C.C.	R.C.	BY S.HODGES	BY	DATE
	Project Title		COX		PURCHASE ORDER NUMBER  P.O. Box 77808 Baton Rouge, LA 70879  DRAWING NUMBER CP-1204R2  SHEET NUMBER 5			
	DUPLEX PUMP CONTROL PANEL		Research and Technology, Inc.					

