



DUPLEX PUMP
CONTROL PANEL
GONZALES #28

AS BUILTS

DECEMBER 9, 2021

SERIAL#87583

Delta Process Equipment
8275 Florida Blvd.
Denham Springs, LA 70726
(225) 665-1666 Fax (225) 665-1855

SOLD TO: Delta Process Equipment
TAG: Gonzales #28 Duplex Pump
Control Panel

SHIP TO:
-
-

SPECIAL NOTES:
Panel includes 4 - 30' weighted Opti-Floats

Panel Type	Duplex
Voltage	240
Phase/HZ	3/60
No. Motors	2
HP	7.5
FLA	23.7
Pump Manufacturer	Barnes
Type of Pump	Submersible
Catalog Number	3SCMPA75N4
Capacitors	No
Control Voltage	120
Control Power Transformer VA=3K,150	Yes
Enclosure NEMA Rating	4X
Enclosure Material	Fiberglass
Enclosure Size	24x20x10
Inner Swing Panel	Yes
Conrol Sensor	Opti-Float
UL508A Labeling	No
UL698A Labeling	No

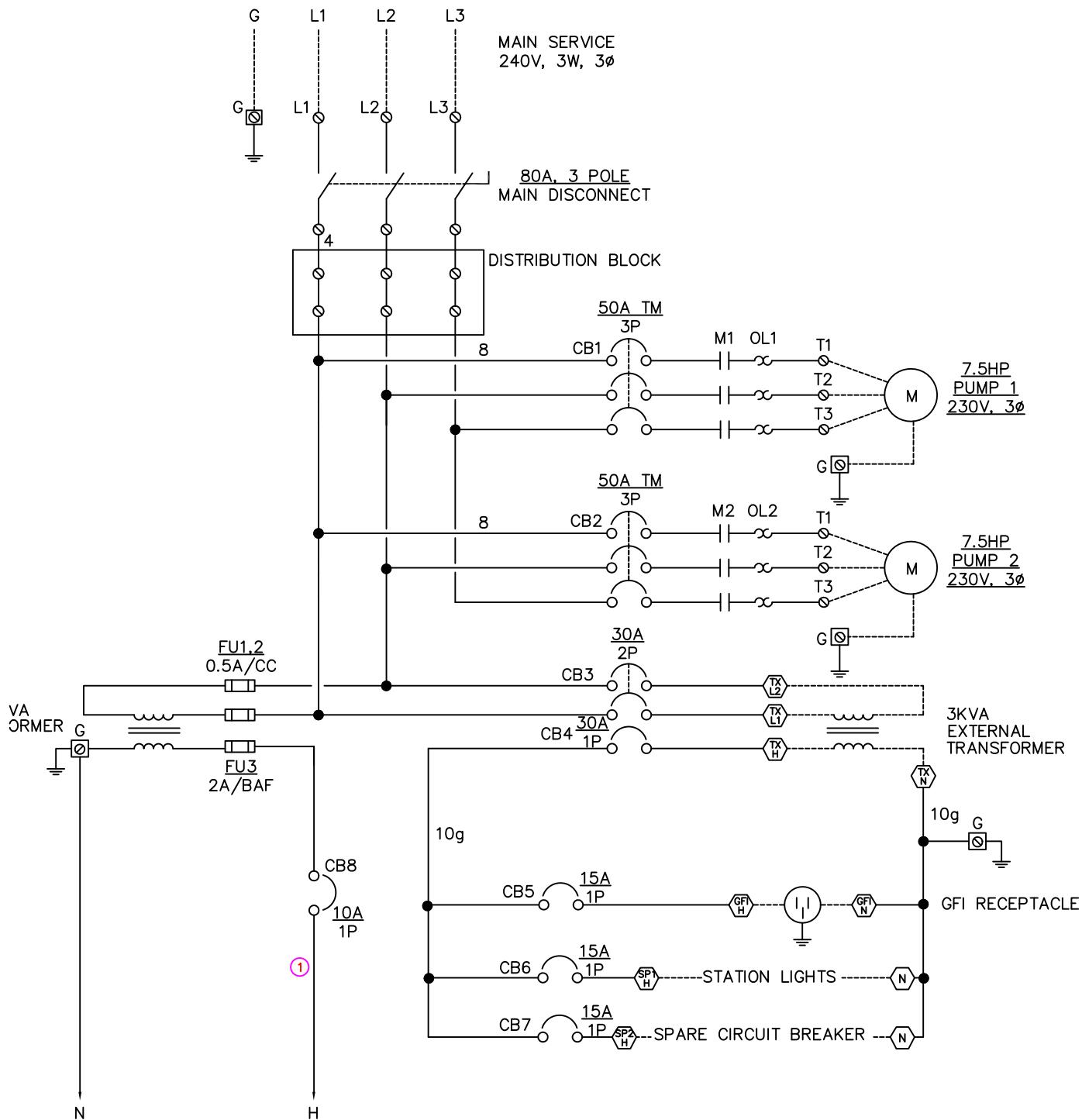
Alarm Light - Panel Door Mount	
Alarm Light - Panel Top Mount	
Alarm Light - Remote	X
Alarm Test Switch	
Alarm Silence Switch	
Alarm Acknowledge Switch	
Alternator with Lead Pump Selector Switch	X
Audible Alarm - Bell	
Audible Alarm - Horn	
Audible Alarm - Piezo	
COX™ CAMO™ System	
Cycle Counters	
Economy Version	
Elapsed Time Meter	X
Flasher	
Green Run Lights vs. Red	
Ground Fault Receptacle (Existing)	X
High Temp Lights	
High Temp Pump Shutdown - Auto Reset	X
High Temp Pump Shutdown - Manual Reset	
Intrinsically Safe Relays Pts.	
Lightning Arrestor	
Main Disconnect without Door Mt. Handle	X
Opti-Float® Level Dectector Pts.4	X
Panel Heater / Thermostat W=	
Phase Monitor	
Pole, Box, Seal	
Seal Fail Lights	X
Seal Fail Relay - Fixed	
Seal Fail Relay - Adjustable	X
Seal Fail Shutdown	
Starters - IEC	X
Starters - NEMA	
Unpowered Alarm Circuits #	
OTHER:	

DATE 12/9/21	Drawing Title PANEL DESCRIPTION	R1		REPLACED BUCKET - 7.5 HP		DATE 12/9/21	A.D.
		REFERENCE DRAWING S/N	NO. A.D.	REVISION-LOCATION DRAWN BY BMF	ECN		
	Project Title DUPLEX PUMP CONTROL PANEL						

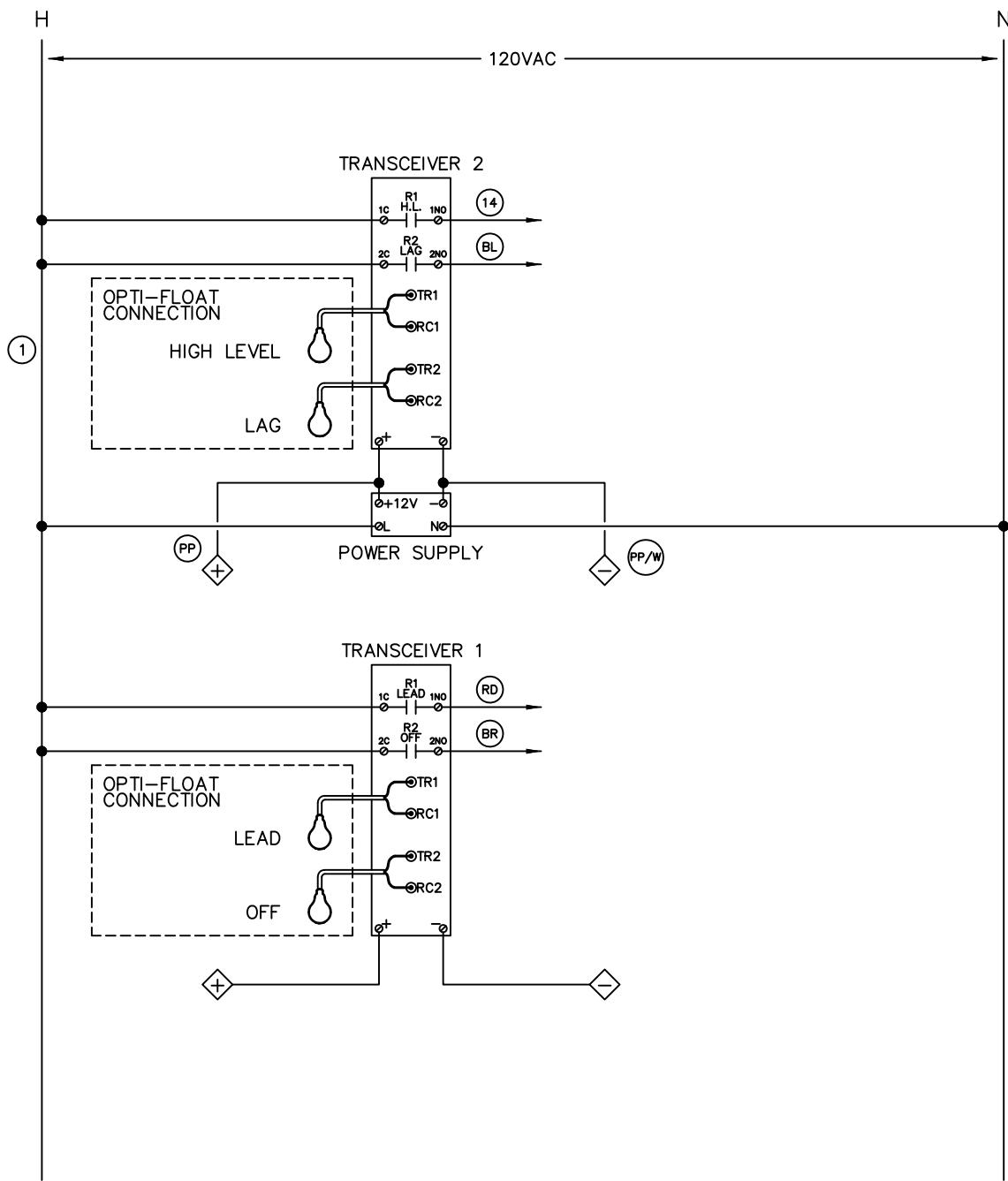
COX
Research and Technology, Inc.

P.O. Box 77808
Baton Rouge, LA
70809
Ph. (225)756-3271
Fax (225)755-1030

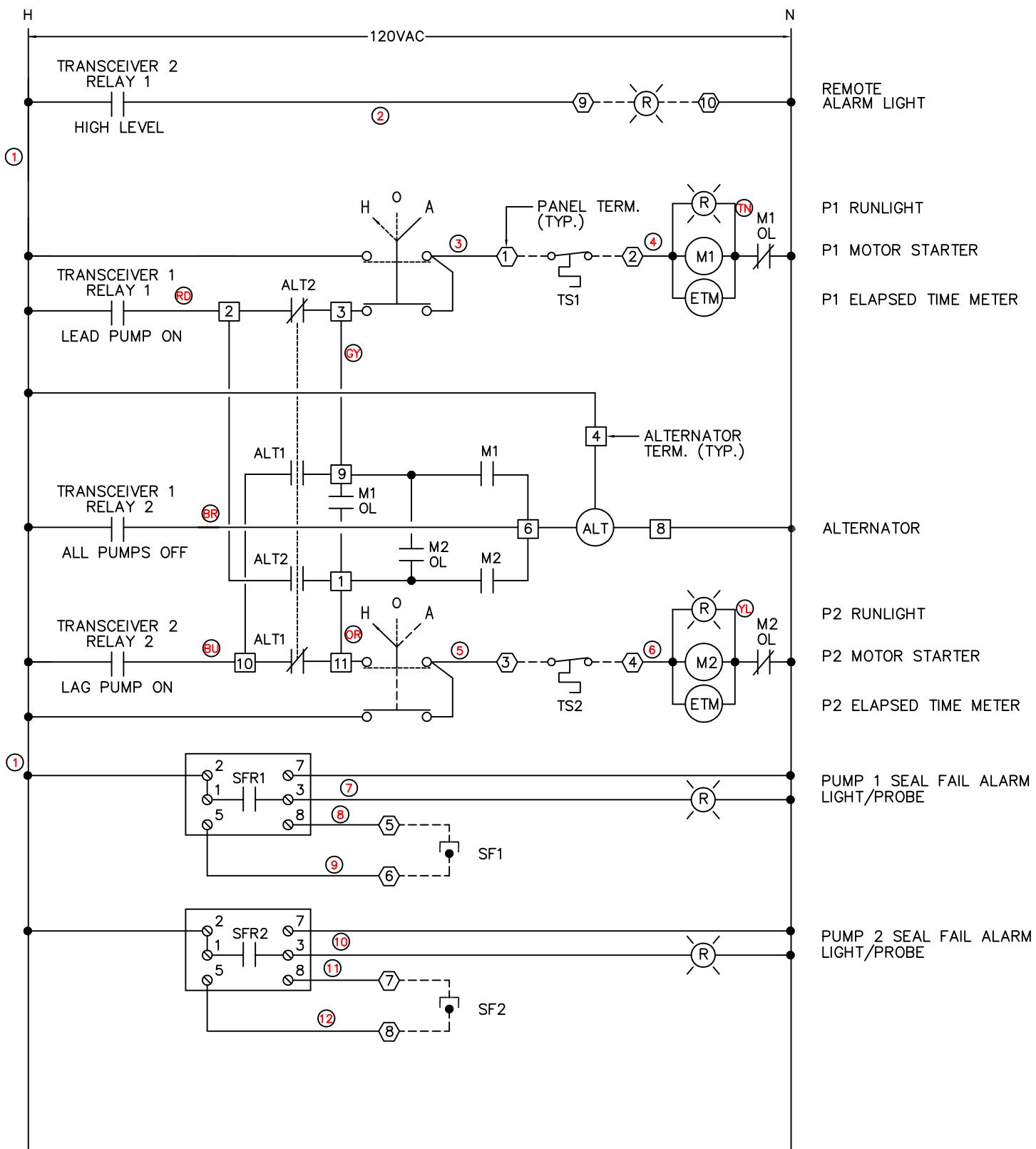
PURCHASE ORDER NUMBER
DRAWING NUMBER CP-2119R1
SHEET NUMBER 1



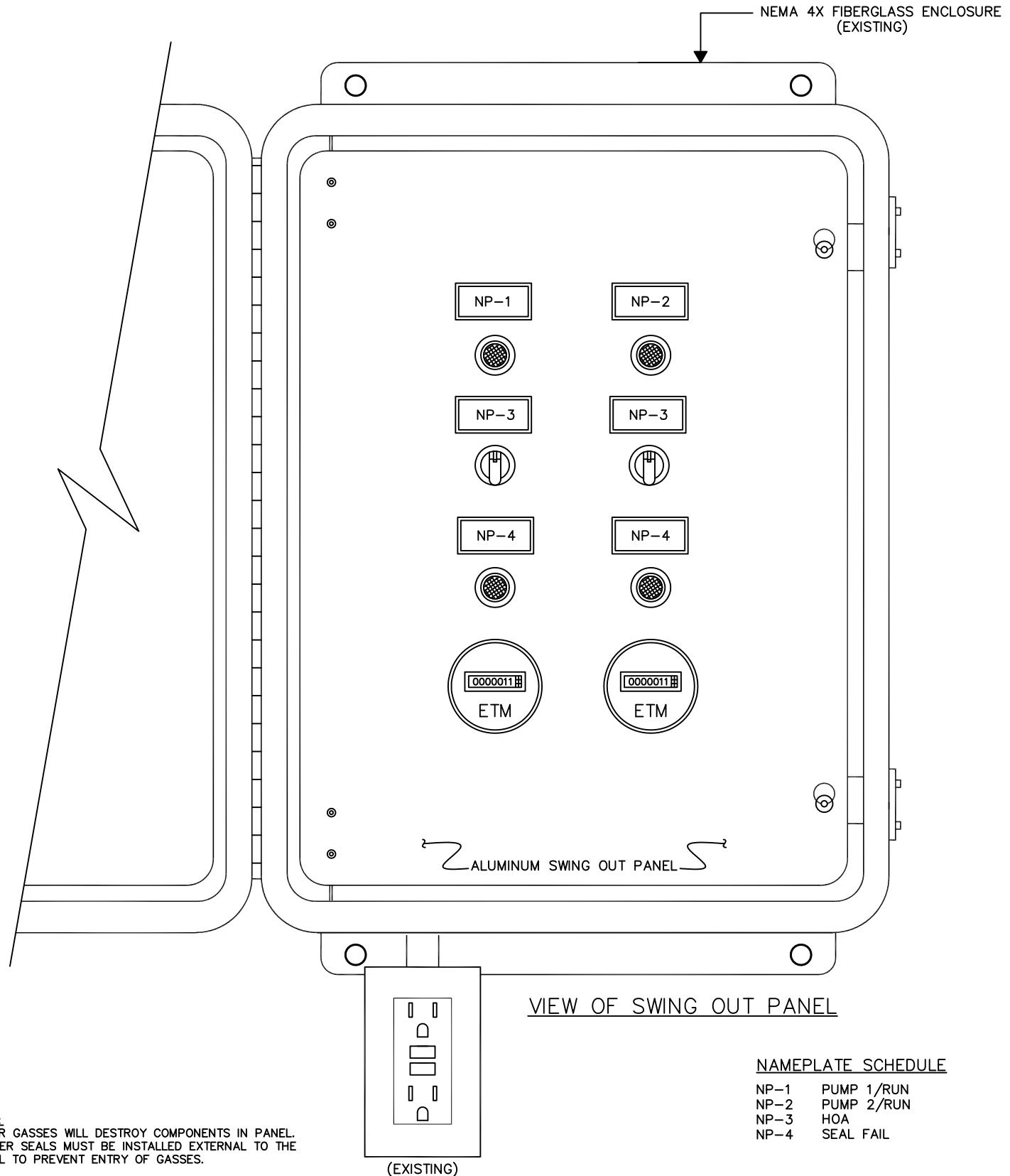
Drawing Title	R1	REPLACED BUCKET - 7.5 HP	12/9/21	A.D.
POWER DIAGRAM				
REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE BY
S/N	Sales Engineer A.D.	Application Engineer A.D.	DRAWN BY BMF	APPROVED BY DATE
Project Title	COX	P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
DUPLEX PUMP CONTROL PANEL	Research and Technology, Inc.	Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2119R1	
			SHEET NUMBER 2	



	Drawing Title CONTROL DIAGRAM	R1	REPLACED BUCKET - 7.5 HP		12/9/21	A.D.
DATE 12/9/21	REFERENCE DRAWING S/N	NO. Sales Engineer A.D.	REVISION-LOCATION Application Engineer A.D.	ECN DRAWN BY BMF	DATE APPROVED BY DATE	BY
	Project Title DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2119R1 SHEET NUMBER 3



	Drawing Title	R1	REPLACED BUCKET - 7.5 HP		12/9/21	A.D.
	CONTROL DIAGRAM					
	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 12/9/21	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	
		A.D.	A.D.	BY BMF	BY	DATE
	Project Title	<hr/> <hr/> <hr/> COX <hr/> <hr/>			PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL	Research and Technology, Inc.			DRAWING NUMBER CP-2119R1	
					SHEET NUMBER 4	



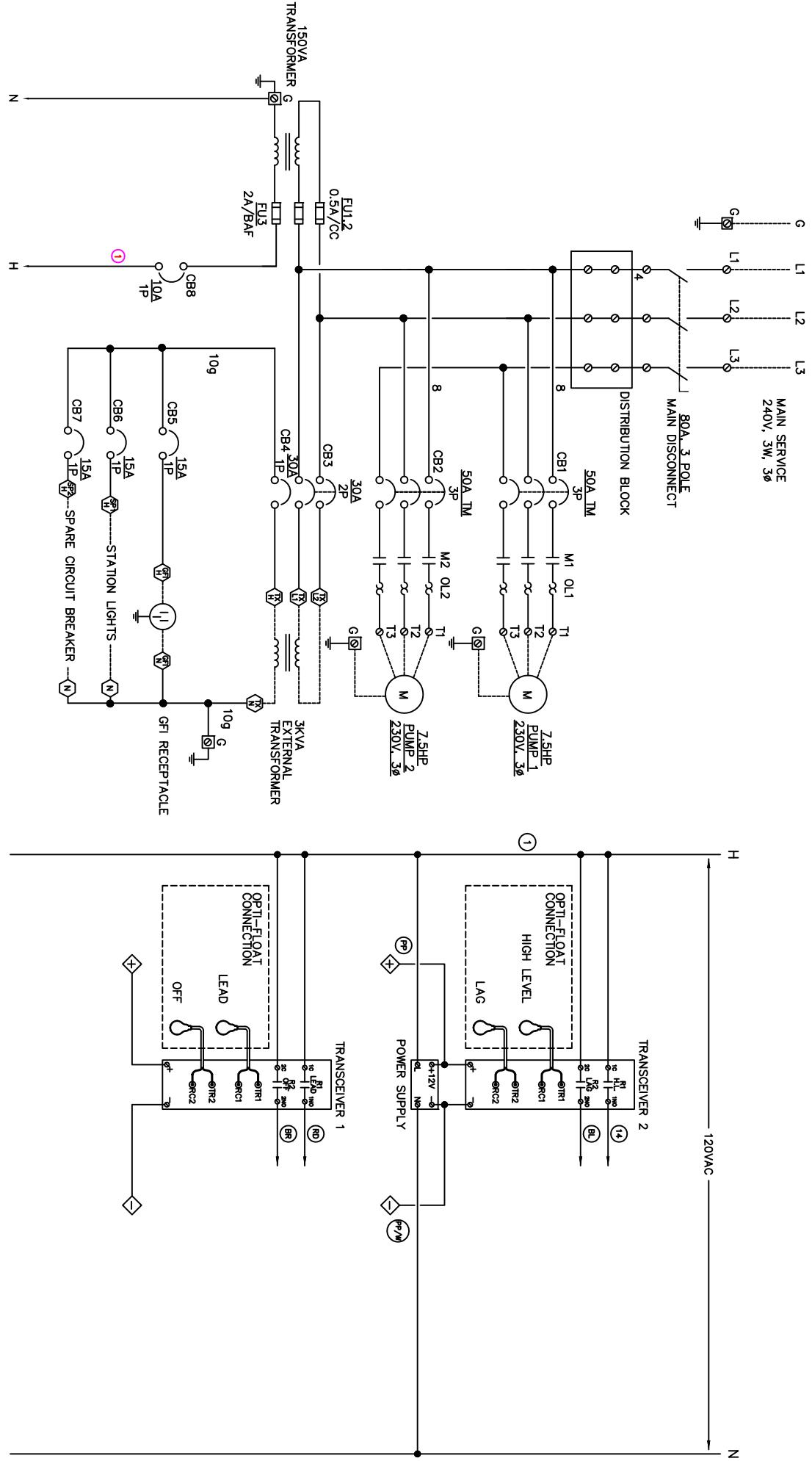
	Drawing Title	R1	REPLACED BUCKET - 7.5 HP		12/9/21	A.D.
	ENCLOSURE					
DATE 12/9/21	REFERENCE DRAWING S/N	NO. A.D.	REVISION-LOCATION DRAWN BY BMF	ECN	DATE APPROVED BY DATE	BY
	Project Title					
	DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030		PURCHASE ORDER NUMBER	
					DRAWING NUMBER CP-2119R1	
					SHEET NUMBER 5	

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION	*
1	1	ALLIED	AM24200RL	ENCLOSURE	*
1a	1	ALLIED	2420AL	BACKPLATE	
2	1	ABB	OT80F3	MAIN DISC. SWITCH	
3	2	ABB	AF30-30-00-13	MOTOR STARTER	
4	2	ABB	TF42-29	O.L. RELAY (24-29A)	
5	2	SQUARE D	QOU350	CB1, CB2	
6	1	DIVERSIFIED	ARB-120-ADA	ALTERNATING RELAY	
7	4	ABB	CL513R	RED PILOT LIGHT	
8	2	ABB	C3SS110B-20	HOA SWITCH	
9	1	SQUARE D	QOU130	CB4	
10	3	SQUARE D	QOU115	CB5-7	
11	1	SQUARE D	3S1F	3KVA EXTERNAL TRANSFORMER	*
12	1	STAHLIN	RJ1412HPL	J-BOX	*
13	1	MARATHON	1323580	DISTRIBUTION BLOCK	
14	2	SSAC	LLC54AA	SEAL FAIL RELAY	
15	1	SQUARE D	QOU230	CB3	
16	1	HUBBELL	STOCK	GFI RECEPTACLE	*
17	1	ABB	T4150PSF-1	150VA TRANSFORMER	
18	2	COX RESEARCH	OPTI-TR2A	TRANSCEIVER	
19	4	COX RESEARCH	OPTI-F130-WT1	30' WEIGHTED OPTI-FLOAT	
20	1	COX RESEARCH	OPTI-PS1	POWER SUPPLY	
21	2	ABB	CA4-10	AUX CONTACT	
22	1	SQUARE D	QOU110	CB8	
23	1	ALLIED	HFP2420	SWING PANEL	
24	3	BUSSMANN	LPCC-0.5	FU1,2,SPARE	
25	2	BUSSMANN	BAF-2	FU3,SPARE	
26	2	ENM	T50B-212	ELAPSED TIME METER	

*EXISTING

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	S/N	Sales Engineer	Application Engineer	DRAWN			APPROVED		
	Project Title DUPLEX PUMP CONTROL PANEL		COX		P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER			
			Research and Technology, Inc.			DRAWING NUMBER		CP-2119R1	
					Ph. (225)756-3271 Fax (225)755-1030	SHEET NUMBER		6	



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