
COX

Research and Technology, Inc.

IRRIGATION MART

DUPLEX PUMP

CONTROL PANEL

L.R. TIMBER

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

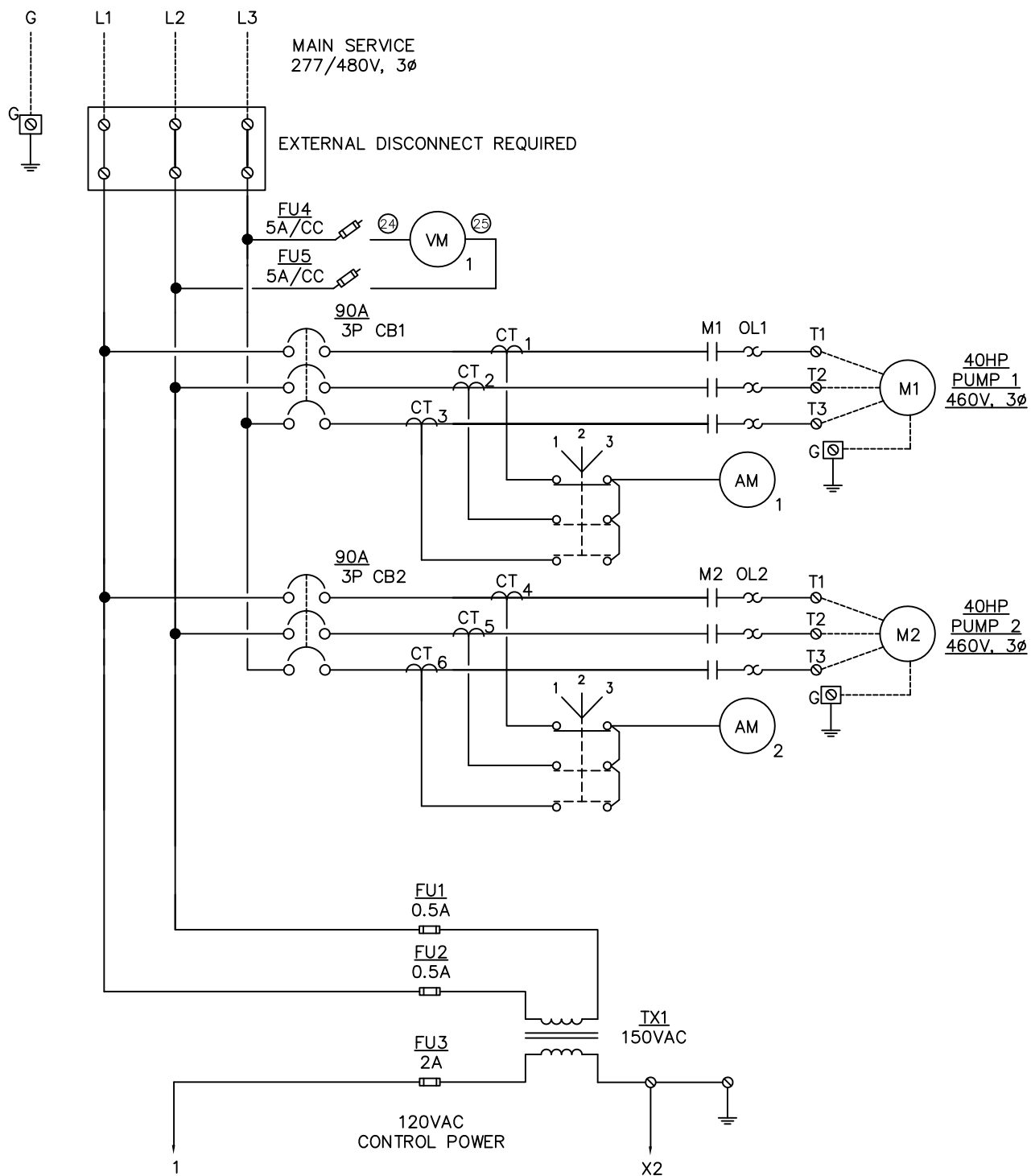
CP-2198

CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 3R	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Painted Steel	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR		(Floats, Bubbler, Other)
CAPACITORS	No	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

SEAL FAIL LIGHTS	_____	(Submersible Only)
SEAL FAIL RELAYS	_____	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	_____	(Submersible Only)
HT PUMP SHUTDOWN	_____	(Self-Primer, Submersible)
ALARM HORN	_____	
ALARM LIGHT	_____	
LIGHT PANEL MTD	_____	
LIGHT REMOTE MTD	_____	
LIGHT FLASHER	_____	
LIGHTNING ARRESTER	_____	
ELAPSED TIME METER	_____	
PHASE MONITOR	_____	
NEMA RATED STARTERS	_____	
GROUND FAULT RECPT.	_____	
GREEN RUN LIGHTS VS. RED	<u> X </u>	
POLE, BOX, SEAL	_____	
INTRINSICALLY SAFE RELAYS	_____	
HIGH TEMP. LOCKOUT, MANUAL RESET	_____	
ECONOMY VERSION	_____	

SHIP TO: _____

	Drawing Title							
	PANEL DESCRIPTION							
DATE 11/03/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY	
	Project Title	COX Research and Technology, Inc.				P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030		PURCHASE ORDER NUMBER
	DUPLEX PUMP CONTROL PANEL					DRAWN BY C. RACHAL		APPROVED BY DATE
								SHEET NUMBER 1



	Drawing Title								
	POWER DIAGRAM								
DATE 11/03/05		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	APPROVED	
	Project Title	S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL	BY	DATE	PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL							DRAWING NUMBER CP-2198	
								SHEET NUMBER	2

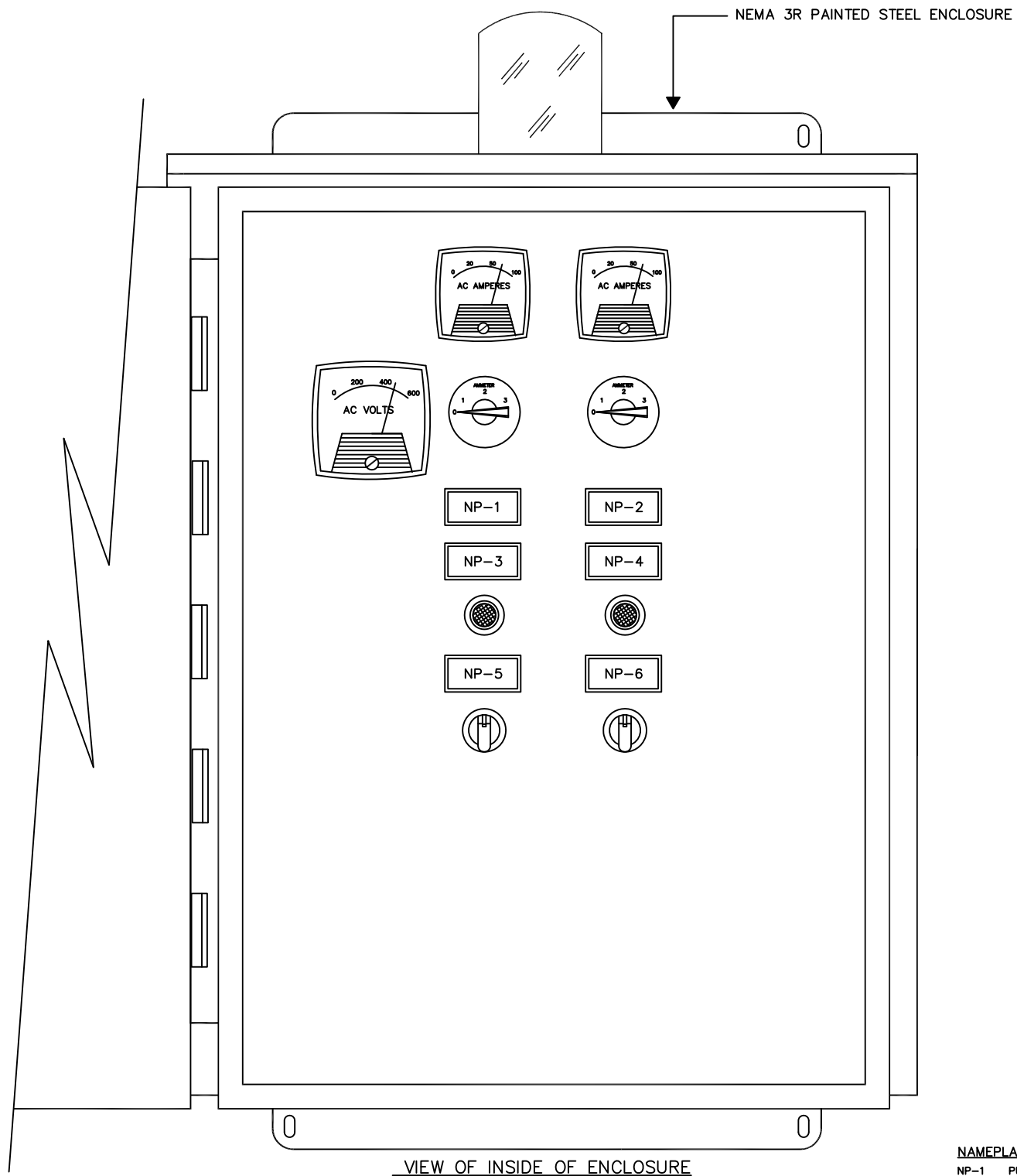
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70809

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NOTE:
SEWER GASSES WILL DESTROY COMPONENTS IN PANEL.
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE
PANEL TO PREVENT ENTRY OF GASSES.

NAMEPLATE SCHEDULE

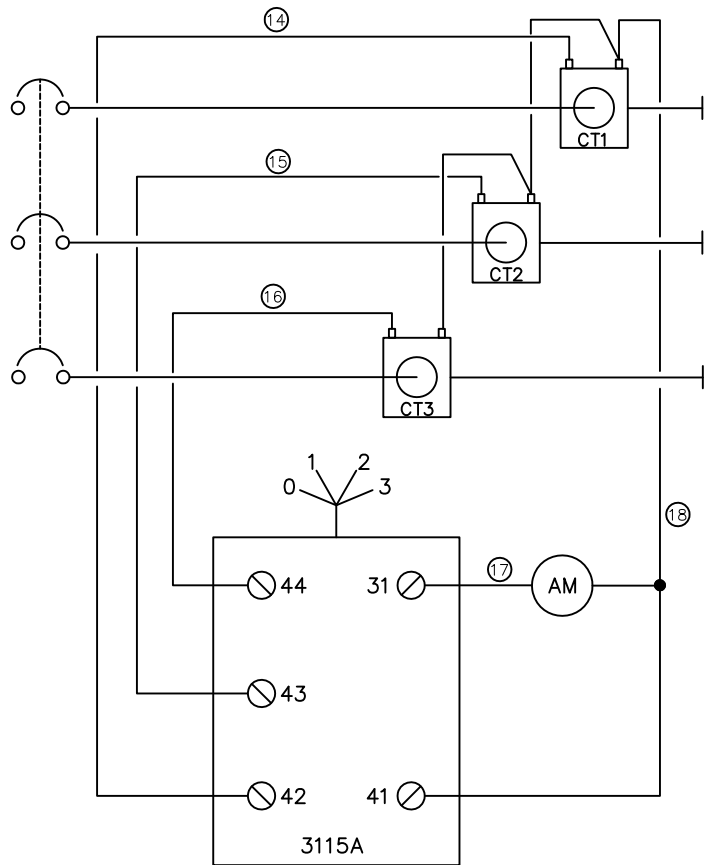
NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN
NP-5	H-O-A
NP-6	H-O-A

	Drawing Title <div>ENCLOSURE</div>								
DATE 11/03/05		REFERENCE DRAWING	NO.	REVISION-LOCATION			ECN	DATE	BY
		S/N	Sales Engineer C.C.	Application Engineer R.C.		DRAWN	APPROVED		
				BY	C. RACHAL	BY	DATE		
	Project Title					PURCHASE ORDER NUMBER			
	DUPLEX PUMP CONTROL PANEL	<div>COX</div> <div>Research and Technology, Inc.</div>				P.O. Box 77808 Baton Rouge, LA 70809			
						Ph. (225)756-3271 Fax (225)755-1030			
						DRAWING NUMBER CP-2198			
						SHEET NUMBER 4			

BILL OF MATERIALS

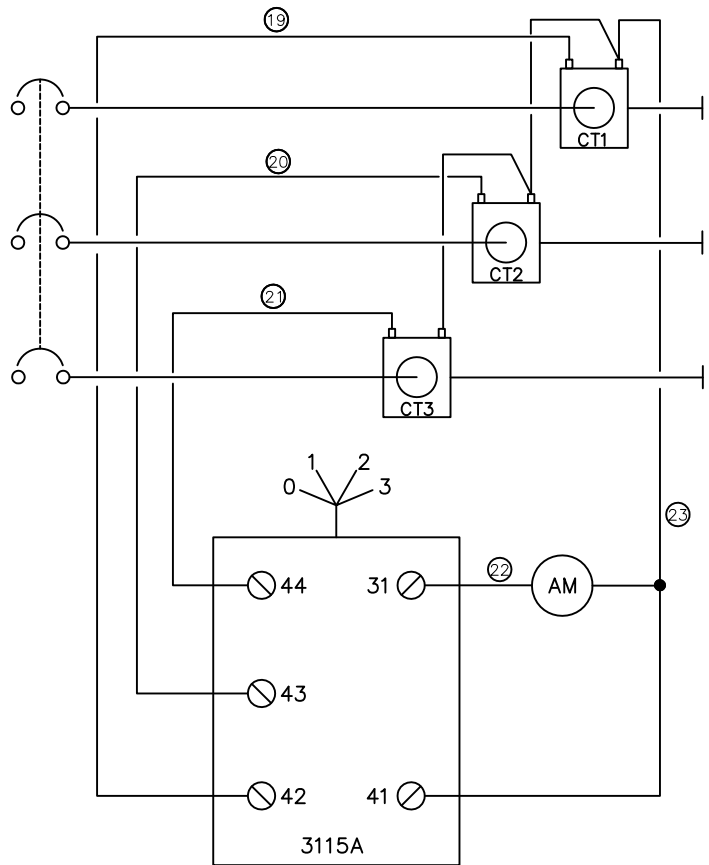
ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	C&I	C-302410RH	ENCLOSURE
1a	1	C&I	I-3024P	BACKPLATE
1b	1	C&I	I-3024SPA	DEAD FRONT
2	2	ABB	A50-30-11-84	MOTOR STARTER 1
3	2	ABB	TA75DU52	O.L. RELAY 1 (36-52A)
4	2	ABB	T1N090TL	CIRCUIT BREAKER
5	1	ABB	T4150PSF-1	CONTROL TRANSFORMER
6	2	ACI	JR22P3M20B	HOA SWITCH
7	2	ACI	JR22FG	GREEN PILOT LIGHT
8	1	AC/DC	BL5R-120	ALARM LIGHT
9	6	ITE	5SFT50-5	CURRENT TRANSFORMER
10	2	YOKAGOWA	250240LSNT (0-50)	AMMETER
11	1	TRIPLETT	1953ACV600P21	VOLTMETER
12	2	ITE	3115A	CT SWITCH
13	1	MARATHON	1323580	DISTRIBUTION BLOCK
14	1	SAGINAW	SCE-PWK2315NF	WINDOW KIT
15	1	IDEC	RH2USA110	RELAY
16				
17				
18				
19				
20				
21				
22				
23				
24				

	Drawing Title						
	BILL OF MATERIALS						
DATE 11/03/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	<div style="border-top: 3px double black; border-bottom: 3px double black; padding: 5px;"> COX Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030		PURCHASE ORDER NUMBER DRAWING NUMBER CP-2198 SHEET NUMBER 5
	DUPLEX PUMP CONTROL PANEL						



CT SWITCH 1

	Drawing Title							
	AMMETER CONNECTIONS							
DATE 11/03/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY	APPROVED
	Project Title	BY C. RACHAL			BY	DATE	PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL	<div>COX</div> <div>Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-2198	
					SHEET NUMBER		6	



CT SWITCH 2

	Drawing Title							
	AMMETER CONNECTIONS							
DATE 11/03/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY	
	Project Title	DRAWN BY C. RACHAL			APPROVED BY DATE			
	DUPLEX PUMP CONTROL PANEL	PURCHASE ORDER NUMBER						
		DRAWING NUMBER CP-2198						
		SHEET NUMBER			7			