
COX

Research and Technology, Inc.

LAKEWOOD LIFT STATION #1

DUPLEX PUMP
CONTROL PANEL

CITY OF BOSSIER

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

CP-2351

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	15	
FLA	42	
TYPE OF PUMP	Self Priming	(Self-Priming, Submersible)
MANUFACTURER	GR	
CATALOG NUMBER		
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 4X	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Fiberglass	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	Floats	(Floats, Bubbler, Other)
CAPACITORS	YES	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

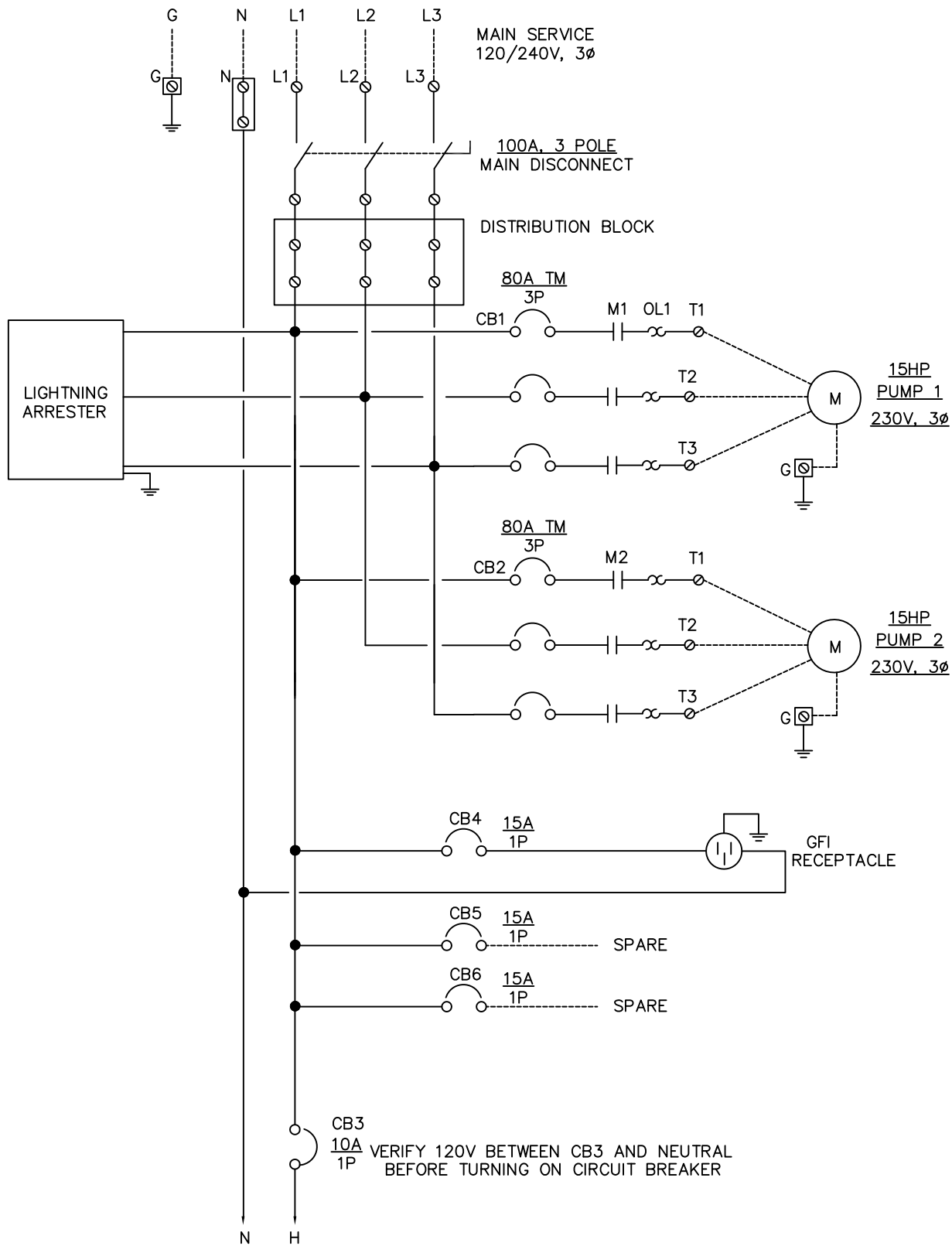
OPTIONS:

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

SOLD TO: Delta Process - Bossier City, LA
TAG : LAKEWOOD LIFT STATION #1

SHIP TO: Delta Process - Ruston, LA

	Drawing Title							
	PANEL DESCRIPTION							
DATE 3/29/06			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="text-align: center;"> 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-2351 SHEET NUMBER 1
	DUPLEX PUMP CONTROL PANEL							



	Drawing Title								
	POWER DIAGRAM								
DATE 3/29/06		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY	APPROVED	
	Project Title				BY C. RACHAL				PURCHASE ORDER NUMBER
	DUPLEX PUMP CONTROL PANEL								DRAWING NUMBER CP-2351
									SHEET NUMBER 2

COX

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NAMEPLATE SCHEDULE

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN
NP-5	HOA
NP-6	HOA
NP-7	OVERLOAD TRIP
NP-8	OVERLOAD TRIP

	Drawing Title <
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BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	ALLIED	AM24200RL	ENCLOSURE
1a	1	ALLIED	P2420A	BACKPLATE
2	1	ABB	OT100E3	MAIN DISC. SWITCH
3	2	C-H	CE15HNS3AB	MOTOR STARTER
4	2	C-H	C316KNA3D	O.L.
5	2	SQUARE D	QOU380	CB1, CB2
6	3	SQUARE D	QOU115	CB4, CB5, CB6
7	1	TIMEMARK	261DT120	ALTERNATING RELAY
8	2	ACI	JR22FR	RED PILOT LIGHT
9	2	ACI	JR22P3M20B	HOA SWITCH
10	1	TOMAR	490S-120	ALARM LIGHT
11	1	MARATHON	1323580	DISTRIBUTION BLOCK
12	2	REDINGTON	711-0190	ELAPSED TIME METER
13	1	MARATHON	1321580	NEUTRAL BLOCK
14	1	DELTA	LA603	LIGHTNING ARRESTER
15	1	STOCK		GFI
16	2	ABB	CAL5-11	AUX. CONTACTS
17	3	IDEC	RU2SAC120	CR1,2,3
18	1	SQUARE D	QOU110	CB3
19	1	DAYTON	2A561	TIME DELAY RELAY
20	2	ACI	JR22FY	AMBER PILOT LIGHT
21				
22				
23				
24				
25				

	Drawing Title						
	BILL OF MATERIALS						
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	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-2351 SHEET NUMBER 5
	DUPLEX PUMP CONTROL PANEL						