
COX

Research and Technology, Inc.

DUPLEX PUMP
CONTROL PANEL
BOSSIER INDUSTRIAL PARK

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

CP-1923

| | | |
|----------------|-------------|--|
| VOLTAGE | 120/208V | (480V, 277/480V, 240V, 120/240V, 208V, 120/208V) |
| PHASE/HZ | 3/60 | |
| NO. MOTORS | 2 | |
| HP | 2.8 | |
| FLA | 9.2A | |
| TYPE OF PUMP | Submersible | (Self-Priming, Submersible) |
| MANUFACTURER | BARNES | |
| CATALOG NUMBER | 4SE2894L | |

| | | |
|----------------------------------|------------|--|
| 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 | No | (Yes, No) |
| CAPACITOR WIRING FIGURE | N/A | |
| THERM. & SEAL FAIL WIRING FIGURE | | |

OPTIONS:

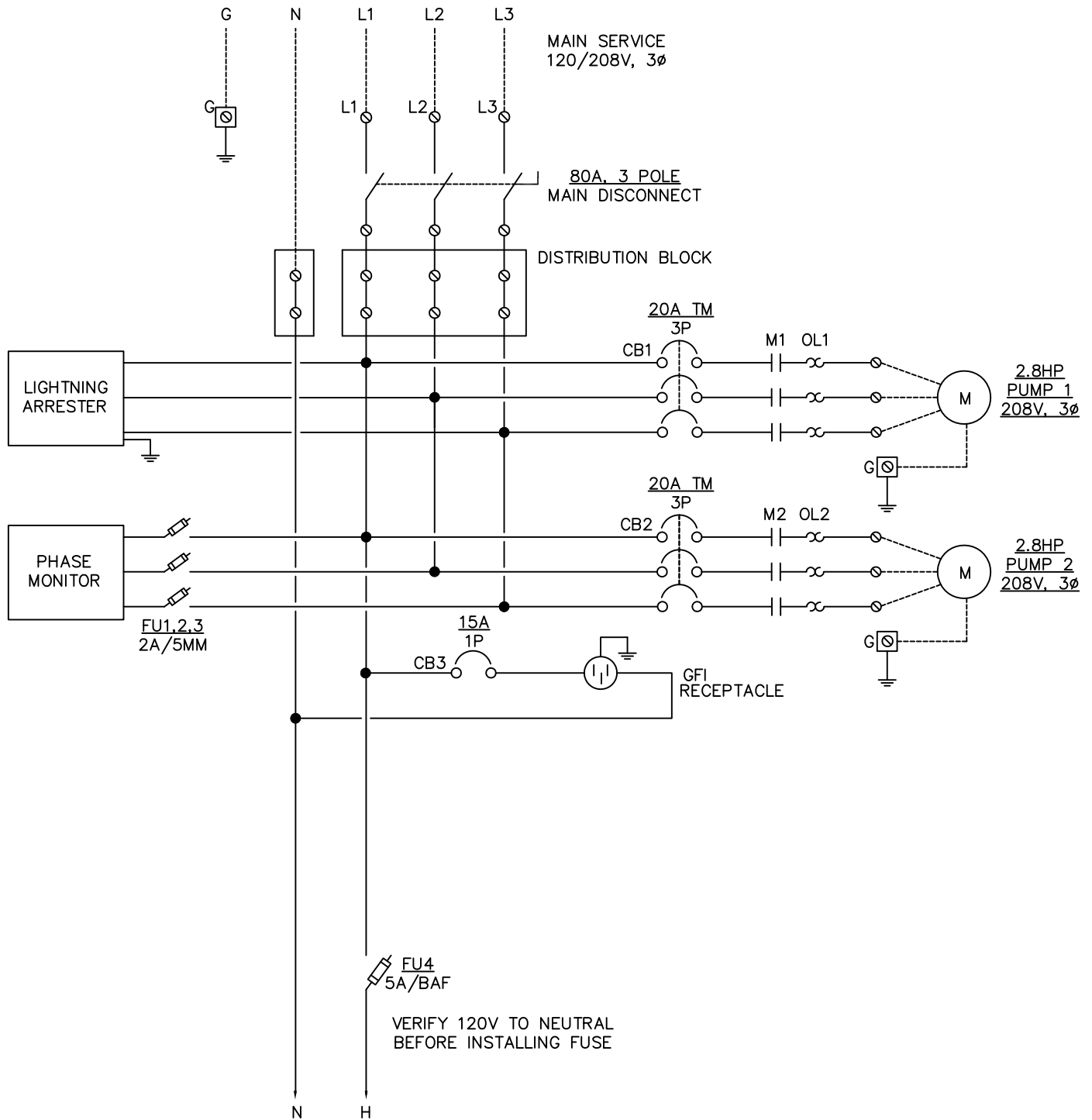
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|----------------------------------|------------------|----------------------------|
| SEAL FAIL LIGHTS | X | (Submersible Only) |
| SEAL FAIL RELAYS | X | (Submersible Only) |
| SEAL FAIL PUMP SHUTDOWN | | (Submersible Only) |
| HT PUMP SHUTDOWN | X | (Self-Primer, Submersible) |
| ALARM HORN | | |
| ALARM LIGHT | X | |
| LIGHT PANEL MTD | X STROBE ON SIDE | |
| LIGHT REMOTE MTD | | |
| LIGHT FLASHER | X | |
| 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

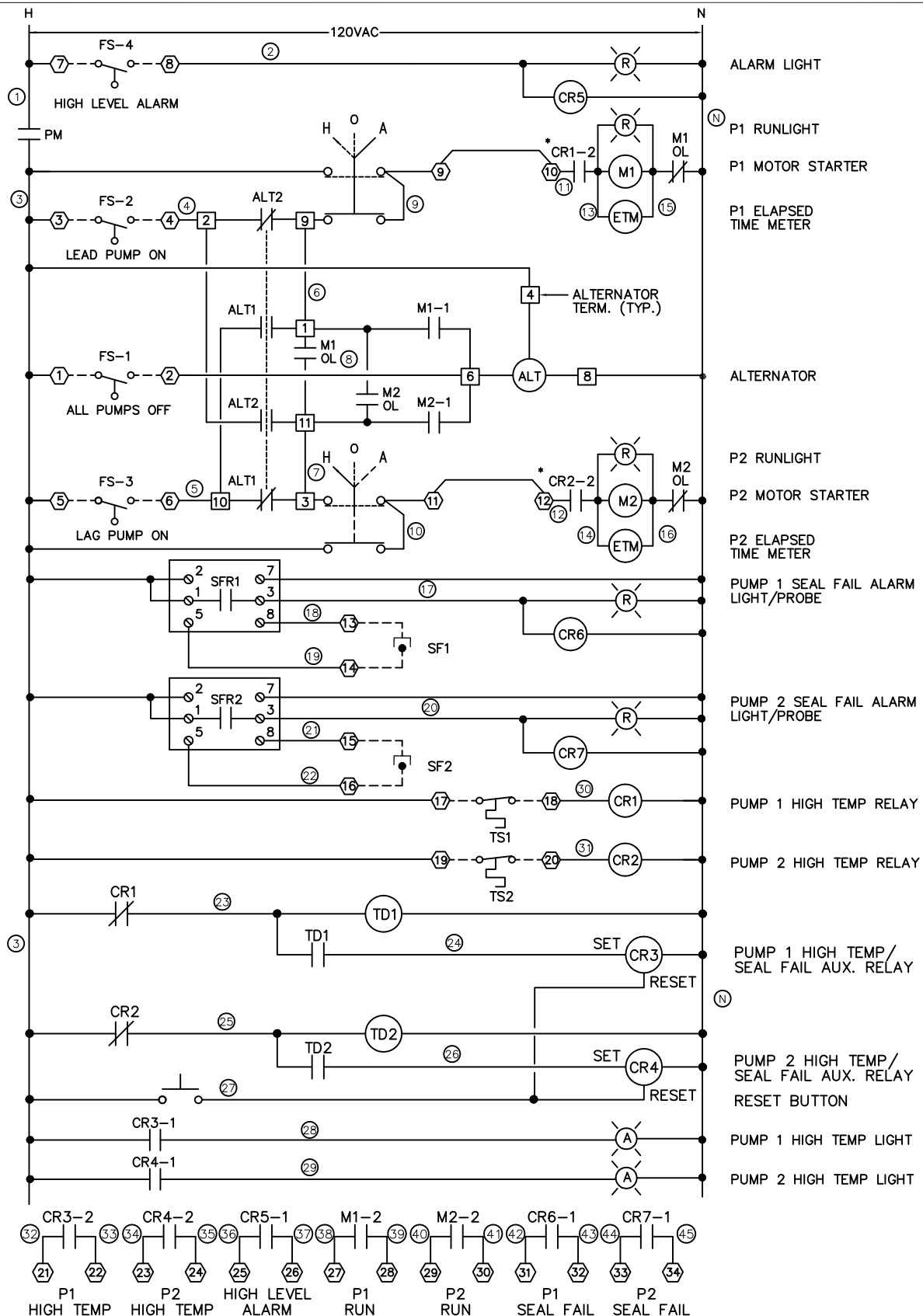
TAG : BOSSIER INDUSTRIAL PARK

SHIP TO: Delta Process - Ruston, LA

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| | Drawing Title | | | | | | | |
| | PANEL DESCRIPTION | | | | | | | |
| | | | | | | | | |
| DATE 10/11/04 | | | 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 | | PURCHASE ORDER NUMBER | |
| | DUPLEX PUMP CONTROL PANEL | | | | Ph. (225)756-3271 Fax (225)756-1030 | | DRAWING NUMBER CP-1923 | |
| | | | | | | | SHEET NUMBER 1 | |



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|--|--|
| | Drawing Title < |
|--|--|



* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

| | | | | | | |
|-------------------------------|---------------------------|-------------------|---------------------|---|------------------------|----------|
| Drawing Title | CONTROL DIAGRAM | | | | | |
| DATE | 10/11/04 | REFERENCE DRAWING | NO. | REVISION-LOCATION | ECN | DATE |
| Project Title | DUPLEX PUMP CONTROL PANEL | S/N | Sales Engineer C.C. | Application Engineer R.C. | BY C. RACHAL | APPROVED |
| COX | | | | P.O. Box 77808 Baton Rouge, LA 70809 | PURCHASE ORDER NUMBER | |
| Research and Technology, Inc. | | | | Ph. (225)756-3271 Fax (225)756-1030 | DRAWING NUMBER CP-1923 | |
| | | | | | SHEET NUMBER | |
| | | | | | 3 | |

BILL OF MATERIALS

| ITEM | QTY | MANUFACTURER | PART NO. | DESCRIPTION |
|------|-----|---------------|--------------|----------------------|
| 1 | 1 | ALLIED | AM24200RL/DF | ENCLOSURE |
| 1a | 1 | ALLIED | MP2420P | BACKPLATE |
| 2 | 1 | ABB | OT63E3 | MAIN DISC. SWITCH |
| 3 | 2 | CUTLER HAMMER | CE15CNS3AB | MOTOR STARTER |
| 4 | 2 | CUTLER HAMMER | C316FNA3P | O.L. RELAY (7.5–11A) |
| 5 | 2 | SQUARE D | QOU320 | CB1, CB2 |
| 6 | 1 | TIMEMARK | 261DT120 | ALTERNATING RELAY |
| 7 | 4 | ACI | JR22FR | RED PILOT LIGHT |
| 8 | 2 | ACI | JR22P3M20B | HOA SWITCH |
| 9 | 1 | TOMAR | 490S–120R | STROBE |
| 10 | 1 | MARATHON | 1323580 | DISTRIBUTION BLOCK |
| 11 | 1 | SSAC | PLMU–11 | PHASE MONITOR |
| 12 | 2 | REDINGTON | 711–0190 | ELAPSED TIME METER |
| 13 | 1 | SQUARE D | QOU115 | CB3 |
| 14 | 1 | STOCK | | GFI |
| 15 | 2 | SSAC | LLC54AA | SEAL FAIL RELAY |
| 16 | 1 | DELTA | LA603 | LIGHTNING ARRESTER |
| 17 | 2 | ACI | JR22FY | AMBER PILOT LIGHT |
| 18 | 5 | IDEC | RY2SUAC120V | CR1,2,5,6,7 |
| 19 | 2 | CUTLER HAMMER | C320KGS3 | AUXILIARY CONTACTS |
| 20 | 2 | DAYTON | 2A561 | TIME DELAY |
| 21 | 2 | MAGNECRAFT | W388AMLCPX–9 | LATCHING RELAY |
| 22 | 1 | ACI | JR22AN11B | PUSH BUTTON |
| 23 | 1 | MARATHON | 1321580 | NEUTRAL BLOCK |
| 24 | | | | |
| 25 | | | | |

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|------------------|------------------------------|--|-------------------------------|---|--|-----|---|
| | Drawing Title | | | | | | |
| | BILL OF MATERIALS | | | | | | |
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| DATE 10/11/04 | | 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: 1px solid black; padding: 5px; margin: 0 auto; width: 150px;"> COX <small>Research and Technology, Inc.</small> </div> | | | P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030 | | PURCHASE ORDER NUMBER DRAWING NUMBER CP-1923 SHEET NUMBER 5 |
| | DUPLEX PUMP CONTROL PANEL | | | | | | |