
COX

Research and Technology, Inc.

DUPLEX PUMP
CONTROL PANEL
AUTUMN CREEK SUBDIVISION

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

CP-1900

| | | |
|----------------------------------|-------------|--|
| VOLTAGE | 120/240V | (480V, 277/480V, 240V, 120/240V, 208V, 120/208V) |
| PHASE/HZ | 3/60 | |
| NO. MOTORS | 2 | |
| HP | 5 | |
| FLA | 19.0 | |
| TYPE OF PUMP | Submersible | (Self-Priming, Submersible) |
| MANUFACTURER | BARNES | |
| CATALOG NUMBER | 4SE5094L | |
| | | |
| 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:

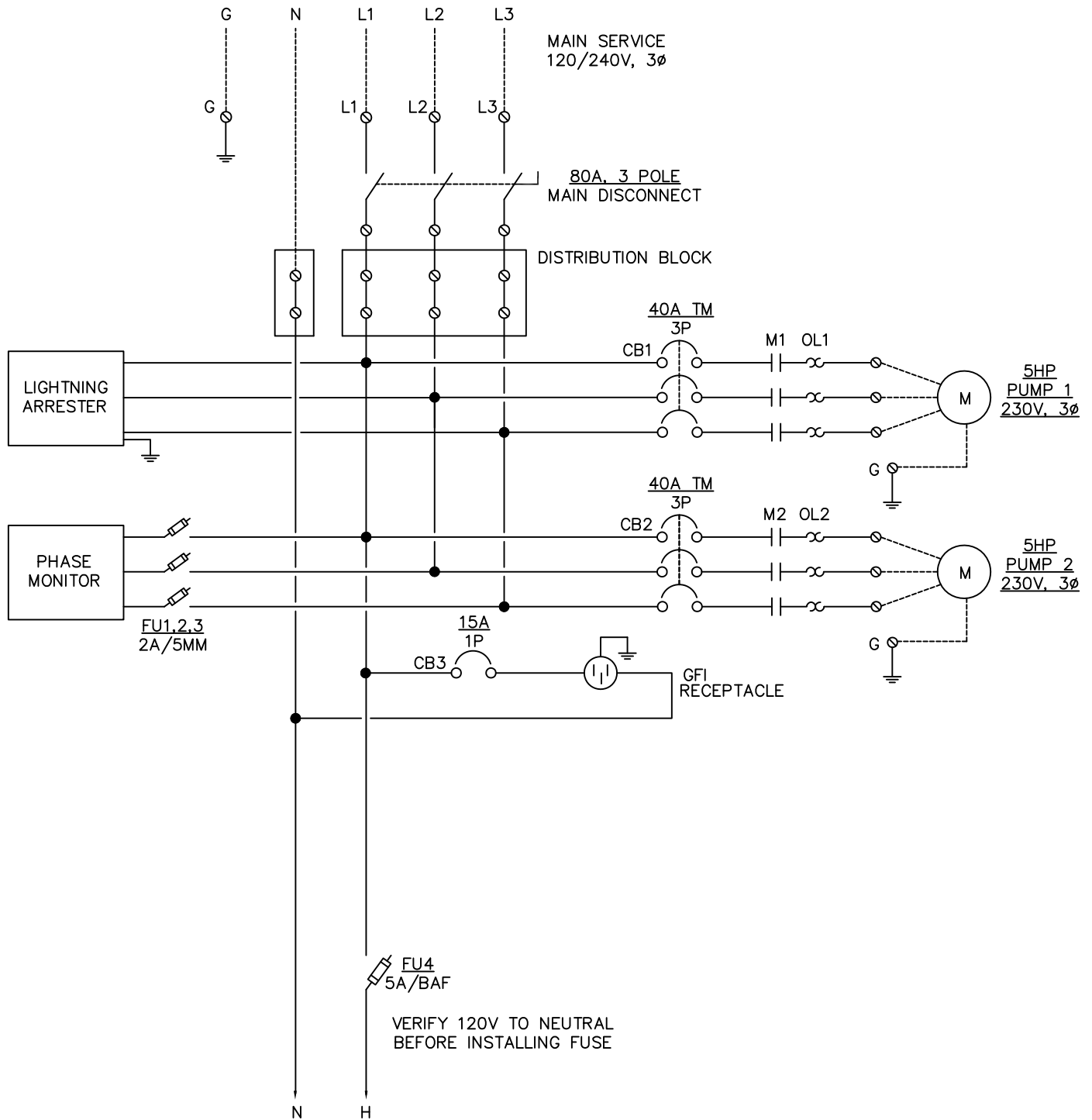
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|----------------------------------|------------------|----------------------------|
| SEAL FAIL LIGHTS | X | (Submersible Only) |
| SEAL FAIL RELAYS | X | (Submersible Only) |
| SEAL FAIL PUMP SHUTDOWN | | (Submersible Only) |
| HT PUMP SHUTDOWN | 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

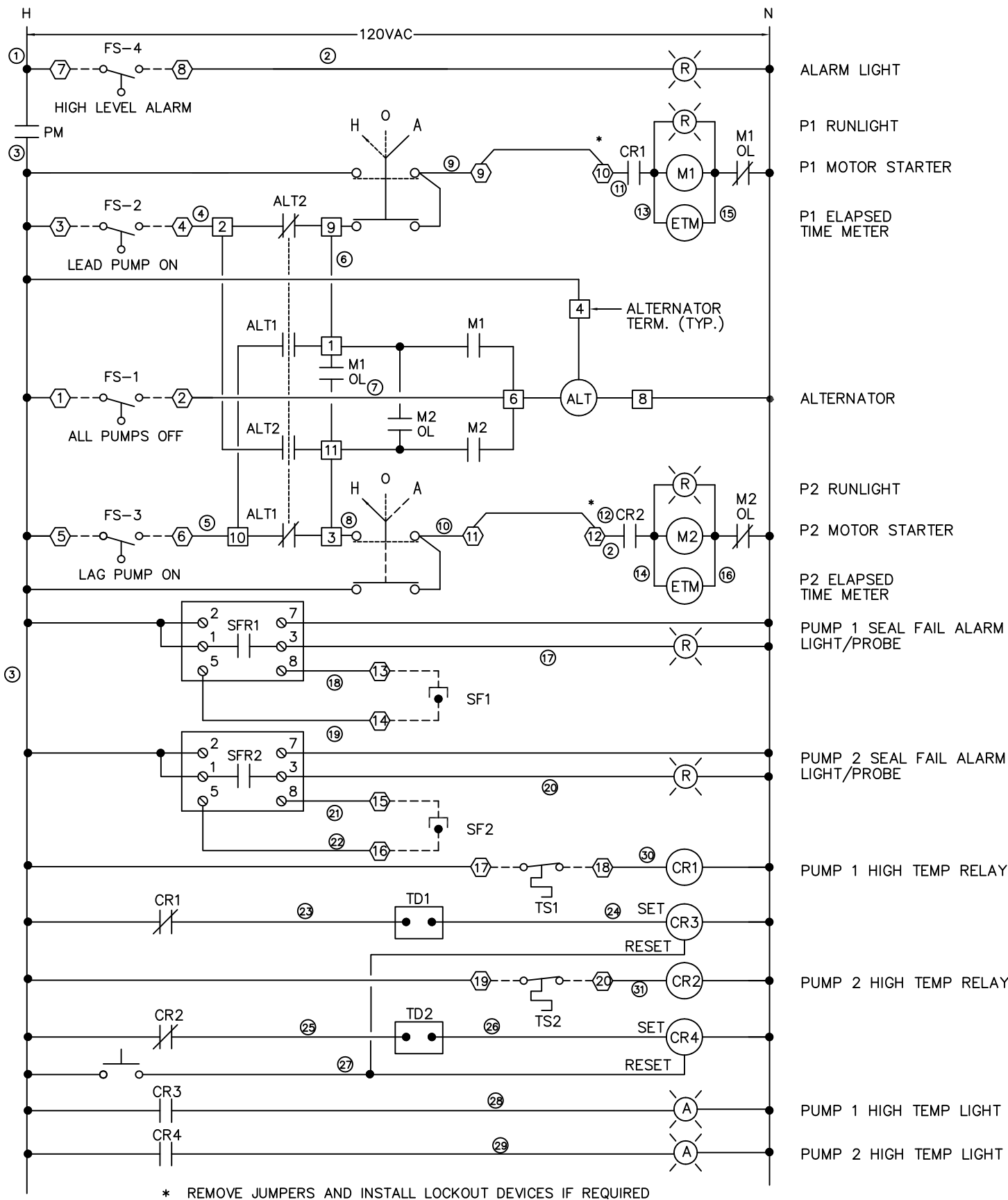
TAG : AUTUMN CREEK SUBDIVISION

SHIP TO: Delta Process - Ruston, LA

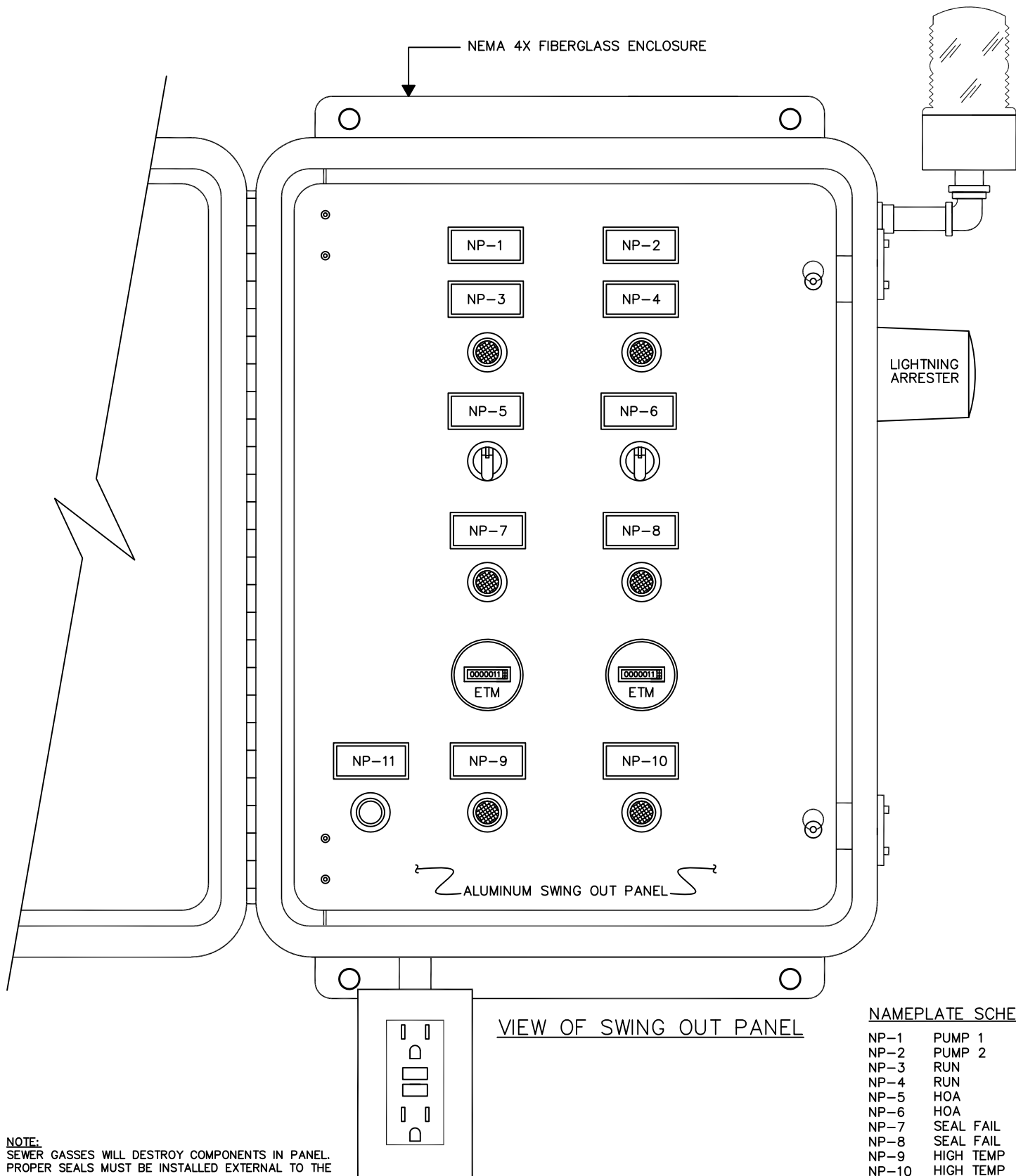
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|-----------------|------------------------------|---|-------------------------------|---|--|-----|---------------------------|
| | Drawing Title | | | | | | |
| | PANEL DESCRIPTION | | | | | | |
| | | | | | | | |
| DATE 9/20/04 | | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | DRAWN BY C. RACHAL | ECN | DATE |
| | Project Title | <div>COX</div> <div>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-1900 |
| | | | | | | | SHEET NUMBER 1 |



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



| | | | | | | | |
|------------------------------|-------------------|--|------------------------|---------------------------|------------------------------|------|------|
| Drawing Title | | | | | | | |
| CONTROL DIAGRAM | | | | | | | |
| DATE 9/20/04 | REFERENCE DRAWING | | NO. | | REVISION-LOCATION | | ECN |
| | S/N | | Sales Engineer C.C. | | Application Engineer R.C. | | DATE |
| Project Title | | DRAWN | | APPROVED | | BY | |
| DUPLUX PUMP CONTROL PANEL | | BY C. RACHAL | | BY | | DATE | |
| | | P.O. Box 77808 Baton Rouge, LA 70809 | | PURCHASE ORDER NUMBER | | | |
| | | Ph. (225)756-3271 Fax (225)756-1030 | | DRAWING NUMBER CP-1900 | | | |
| | | | | SHEET NUMBER | | 3 | |



NAMEPLATE SCHEDULE

| | |
|-------|-----------------|
| NP-1 | PUMP 1 |
| NP-2 | PUMP 2 |
| NP-3 | RUN |
| NP-4 | RUN |
| NP-5 | HOA |
| NP-6 | HOA |
| NP-7 | SEAL FAIL |
| NP-8 | SEAL FAIL |
| NP-9 | HIGH TEMP |
| NP-10 | HIGH TEMP |
| NP-11 | HIGH TEMP RESET |

| | | | | | | | | |
|---------------|---------------------------|-------------------------------|-------------------|--|--|----------------|-----------------------|----------|
| Drawing Title | ENCLOSURE | | REFERENCE DRAWING | NO. | REVISION-LOCATION | ECN | DATE | BY |
| DATE | 9/20/04 | Sales Engineer | C.C. | Application Engineer | R.C. | BY | C. RACHAL | APPROVED |
| Project Title | DUPLEX PUMP CONTROL PANEL | | 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-1900 |
| | | | | | | 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 | OT63E3 | MAIN DISC. SWITCH |
| 3 | 2 | CUTLER HAMMER | AE16ENSOAC | MOTOR STARTER |
| 4 | 2 | CUTLER HAMMER | C316FNA3S | O.L. RELAY (18-25A) |
| 5 | 2 | SQUARE D | QOU340 | 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-120 | STROBE |
| 10 | 1 | MARATHON | 1323580 | DISTRIBUTION BLOCK |
| 11 | 1 | SSAC | PLMU-11 | PHASE MONITOR |
| 12 | 2 | GRASSLIN | UWZ52E | 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 | 2 | OMRON | G2R1SAC120 | CR1,2 |
| 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 | | | | |

| | | | | | | | | |
|-----------------|---|---|-------------------------------|--|---|---|------|----|
| | Drawing Title | | | | | | | |
| | <h3 style="margin: 0;">BILL OF MATERIALS</h3> | | | | | | | |
| DATE 9/20/04 | | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | DRAWN BY C. RACHAL | ECN | DATE | BY |
| | | <div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 100px;"> <h2 style="margin: 0;">COX</h2> <p style="margin: 0; font-size: small;">Research and Technology, Inc.</p> </div> | | <p style="margin: 0; font-size: small;">P.O. Box 77808 Baton Rouge, LA 70809</p> <p style="margin: 0; font-size: small;">Ph. (225)756-3271 Fax (225)756-1030</p> | | <p style="margin: 0; font-size: small;">PURCHASE ORDER NUMBER</p> <hr/> <p style="margin: 0; font-size: small;">DRAWING NUMBER CP-1900</p> <hr/> <p style="margin: 0; font-size: small;">SHEET NUMBER</p> | | |
| | Project Title | <h3 style="margin: 0;">DUPLEX PUMP CONTROL PANEL</h3> | | | <p style="margin: 0; font-size: small;">5</p> | | | |