
COX

Research and Technology, Inc.

DUPLEX PUMP
CONTROL PANEL
OXIDENTAL CHEMICAL

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

CP-1954

| | | |
|----------------------------------|-------------|--|
| VOLTAGE | 120/208V | (480V, 277/480V, 240V, 120/240V, 208V, 120/208V) |
| PHASE/HZ | 3/60 | |
| NO. MOTORS | 2 | |
| HP | 2 | |
| FLA | 9.5A | |
| TYPE OF PUMP | Submersible | (Self-Priming, Submersible) |
| MANUFACTURER | Meyers | |
| 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 | No | (Yes, No) |
| CAPACITOR WIRING FIGURE | N/A | |
| THERM. & SEAL FAIL WIRING FIGURE | 1, 6, 8 | |

OPTIONS:

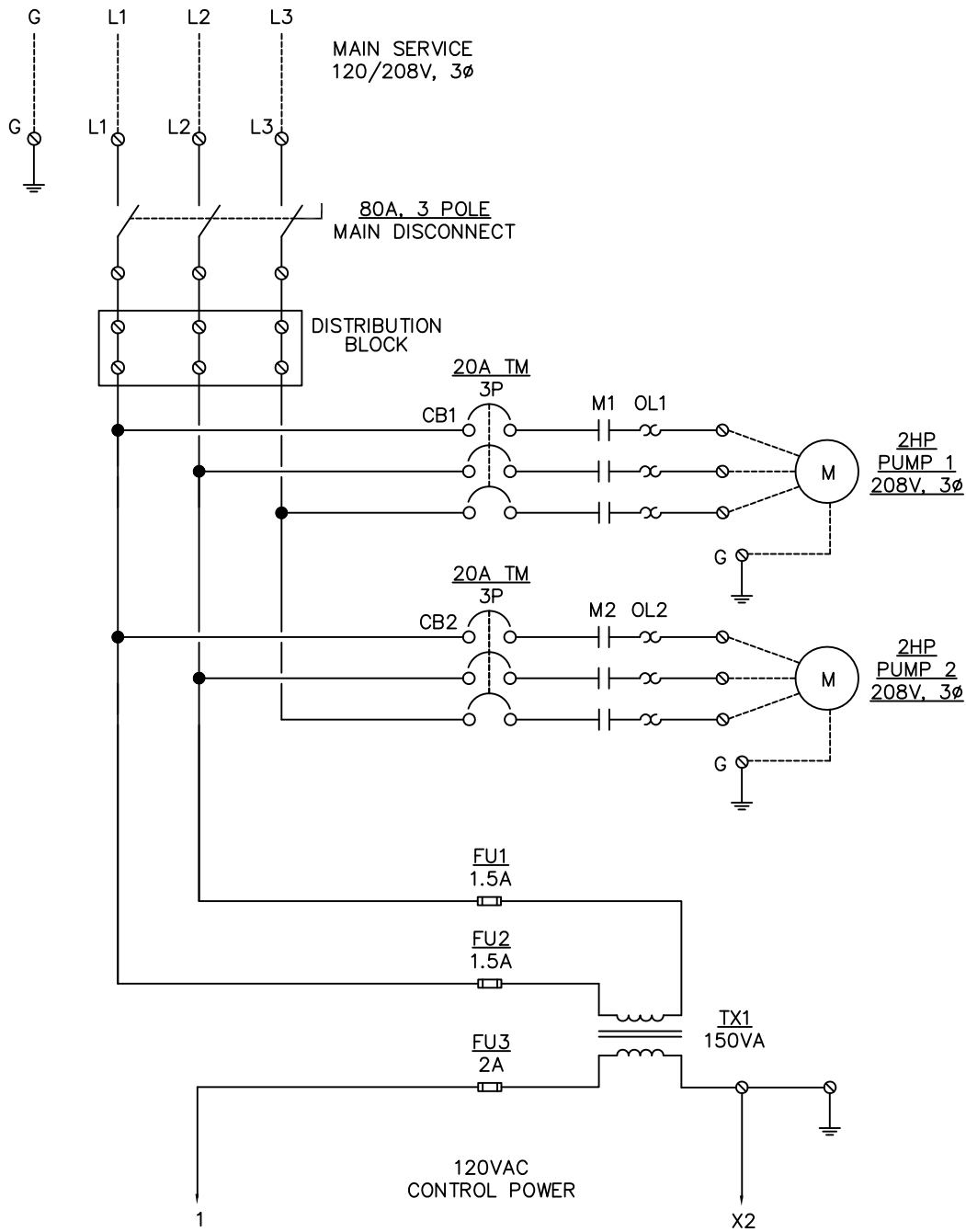
| | | |
|----------------------------------|---|----------------------------|
| SEAL FAIL LIGHTS | X | (Submersible Only) |
| SEAL FAIL RELAYS | | (Submersible Only) |
| SEAL FAIL PUMP SHUTDOWN | | (Submersible Only) |
| HT PUMP SHUTDOWN | X | (Self-Primer, Submersible) |
| ALARM HORN | | |
| ALARM LIGHT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

SOLD TO: Delta Process - New Orleans, LA

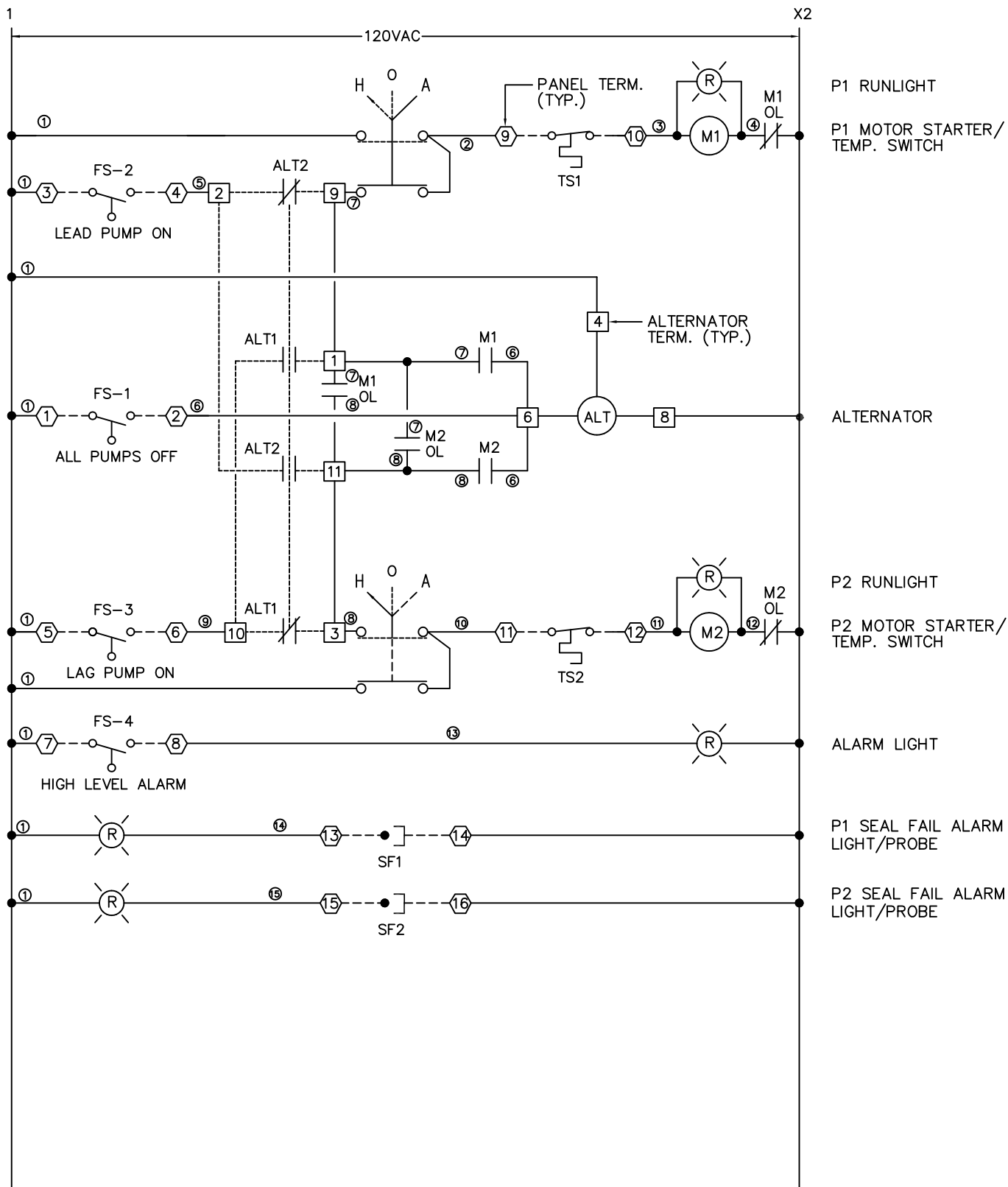
TAG : OXIDENTAL CHEMICAL

SHIP TO: Delta Process - Ruston, LA

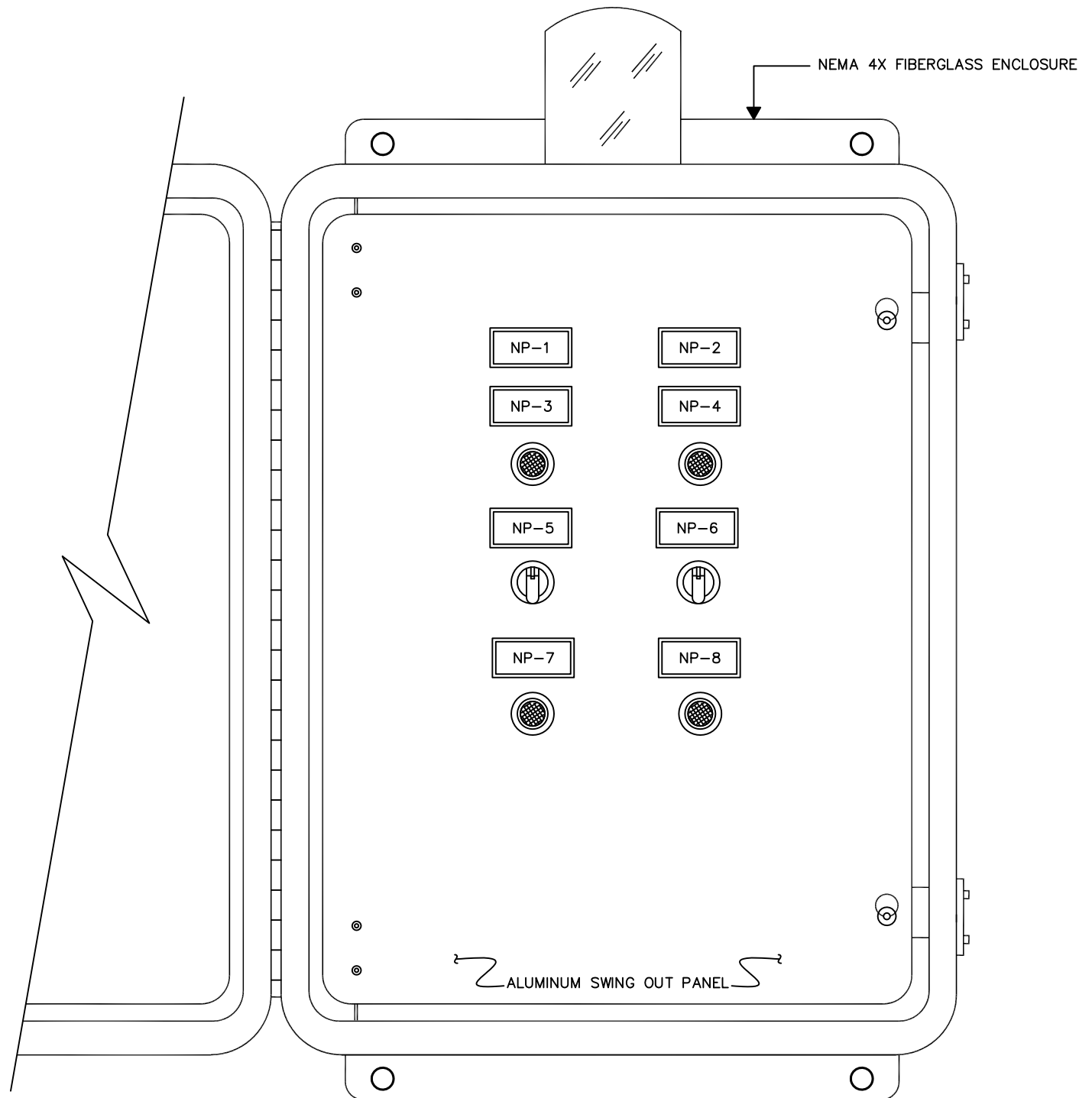
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|------------------|------------------------------|---|-------------------------------|---|--|----------------|---|
| | Drawing Title | | | | | | |
| | PANEL DESCRIPTION | | | | | | |
| | | | | | | | |
| DATE 11/18/04 | | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | DRAWN BY C. RACHAL | APPROVED BY | DATE |
| | Project Title | <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 | | PURCHASE ORDER NUMBER DRAWING NUMBER CP-1954 SHEET NUMBER 1 |
| | DUPLEX PUMP CONTROL PANEL | | | | | | |



| | | | | | | | | |
|------------------|------------------------------|---|------------------------|------------------------------|--|---------------------------|----|---|
| | Drawing Title | | | | | | | |
| | POWER DIAGRAM | | | | | | | |
| DATE 11/18/04 | | REFERENCE DRAWING | NO. | REVISION-LOCATION | ECN | DATE | BY | |
| | | S/N | Sales Engineer C.C. | Application Engineer R.C. | BY C. RACHAL | APPROVED | | |
| | Project Title | | | | P.O. Box 77808 Baton Rouge, LA 70809 | PURCHASE ORDER NUMBER | | |
| | DUPLEX PUMP CONTROL PANEL | <div>COX</div> <div>Research and Technology, Inc.</div> | | | Ph. (225)756-3271 Fax (225)755-1030 | DRAWING NUMBER CP-1954 | | |
| | | | | | | SHEET NUMBER | | 2 |



| | | | | | | | | | |
|------|------------------------------|-------------------------------|------------------------|------------------------------|--|---------------------------|------|----------|--|
| | Drawing Title | | | | | | | | |
| | CONTROL DIAGRAM | | | | | | | | |
| DATE | 11/18/04 | REFERENCE DRAWING | NO. | REVISION-LOCATION | ECN | DATE | BY | APPROVED | |
| | | S/N | Sales Engineer C.C. | Application Engineer R.C. | BY C. RACHAL | 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-1954 | | | |
| | | | | | | SHEET NUMBER 3 | | | |



VIEW OF SWING OUT PANEL

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

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

| | | | | | | | | | |
|------------------|------------------------------|--------------------------|-------------------------------|---|--------------|------|----|----------|---------------------------|
| | Drawing Title | | | | | | | | |
| | ENCLOSURE | | | | | | | | |
| DATE 11/18/04 | | 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-1954 |
| | | | | | | | | | SHEET NUMBER 4 |

COX

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P.O. Box 77808
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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 | ABB | A16-30-10-84 | MOTOR STARTER |
| 4 | 2 | ABB | TA25DU11 | O.L. RELAY (7.5-11A) |
| 5 | 2 | ABB | S1N020TL | CB1, CB2 |
| 6 | 1 | TIMEMARK | 261DT120 | ALTERNATING RELAY |
| 7 | 4 | ACI | JR22FR | RED PILOT LIGHT |
| 8 | 2 | ACI | JR22P3M20B | HOA SWITCH |
| 9 | 1 | ABB | T4150PSF-1 | TRANSFORMER |
| 10 | 1 | AC/DC | BL5-R-120 | ALARM LIGHT |
| 11 | 1 | MARATHON | 1323580 | DISTRIBUTION BLOCK |
| 12 | | | | |
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|------------------|---|---|------------------------|------------------------------|--|----------------|--|
| | Drawing Title | | | | | | |
| | <h2 style="margin: 0;">BILL OF MATERIALS</h2> | | | | | | |
| | | | | | | | |
| DATE 11/18/04 | | REFERENCE DRAWING | NO. | REVISION-LOCATION | ECN | DATE | BY |
| | | S/N | Sales Engineer C.C. | Application Engineer R.C. | DRAWN BY C. RACHAL | APPROVED BY | DATE |
| | Project Title | <div style="border-top: 3px double black; border-bottom: 3px double black; padding: 5px;"> <h1 style="margin: 0;">COX</h1> <p style="margin: 0;">Research and Technology, Inc.</p> </div> | | | P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030 | | PURCHASE ORDER NUMBER DRAWING NUMBER <div style="text-align: right;">CP-1954</div> SHEET NUMBER <div style="text-align: right;">5</div> |
| | DUPLEX PUMP CONTROL PANEL | | | | | | |