
COX

Research and Technology, Inc.

DUPLEX PUMP
CONTROL PANEL
CONAGRA

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

CP-1723

| | | |
|----------------|--------------|--|
| VOLTAGE | 277/480V | (480V, 277/480V, 240V, 120/240V, 208V, 120/208V) |
| PHASE/HZ | 3/60 | |
| NO. MOTORS | 2 | |
| HP | 5 | |
| FLA | 6.8 | |
| 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 | No | (Yes, No) |
| CAPACITOR WIRING FIGURE | | |
| THERM. & SEAL FAIL WIRING FIGURE | | |

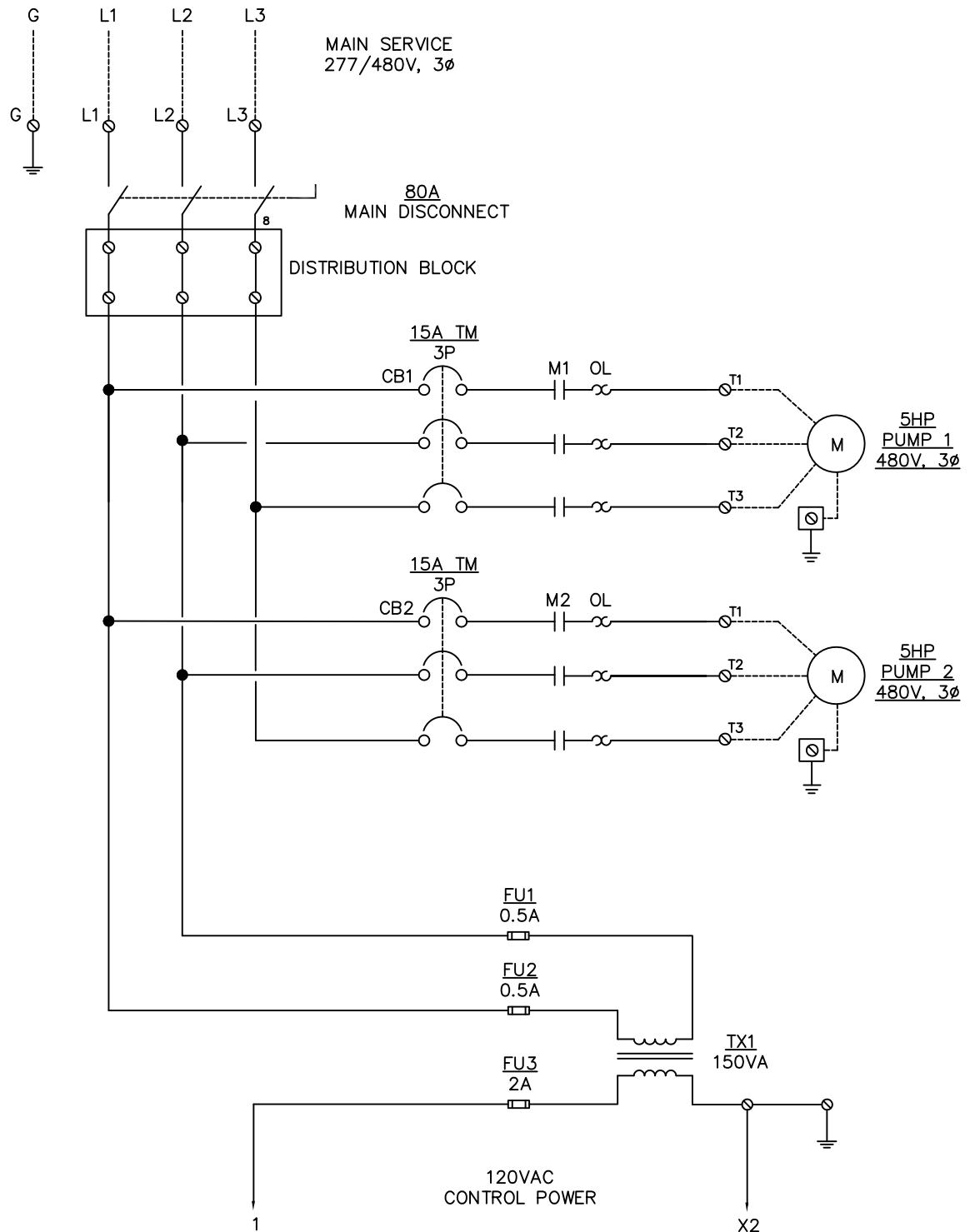
OPTIONS:

| | | |
|----------------------------------|---|----------------------------|
| 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 | | |
| 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 | | |
| SWING INTERNAL DOOR | X | |

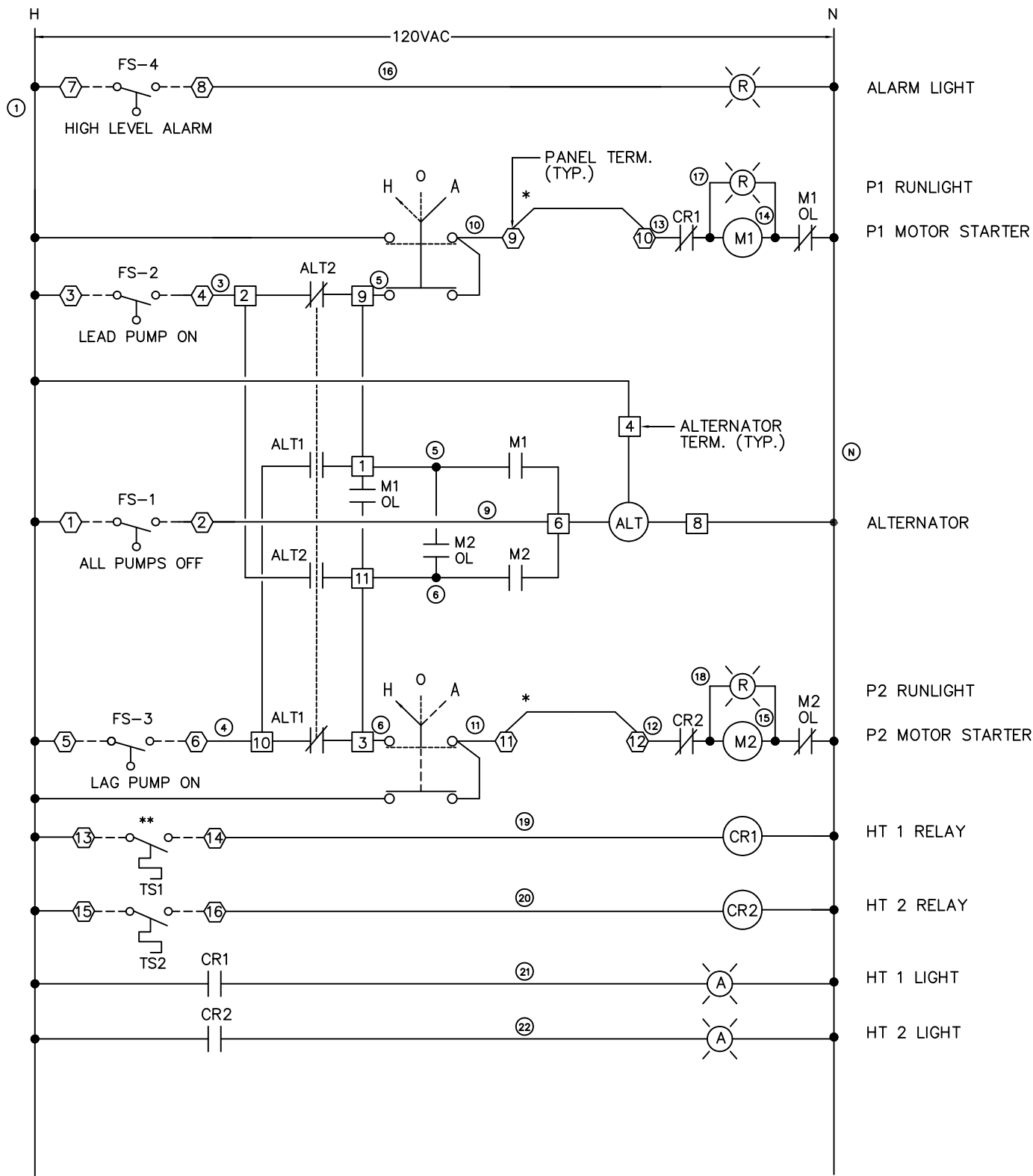
SOLD TO: Delta Process - Ruston, LA
TAG : CONAGRA

SHIP TO: Delta Process - Ruston, LA

| | | | | | | | |
|------------------|------------------------------|---|-------------------------------|---|--|----------------|---|
| | Drawing Title | | | | | | |
| | PANEL DESCRIPTION | | | | | | |
| | | | | | | | |
| DATE 12/31/03 | | 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)756-1030 | | PURCHASE ORDER NUMBER DRAWING NUMBER CP-1723 SHEET NUMBER 1 |
| | DUPLEX PUMP CONTROL PANEL | | | | | | |



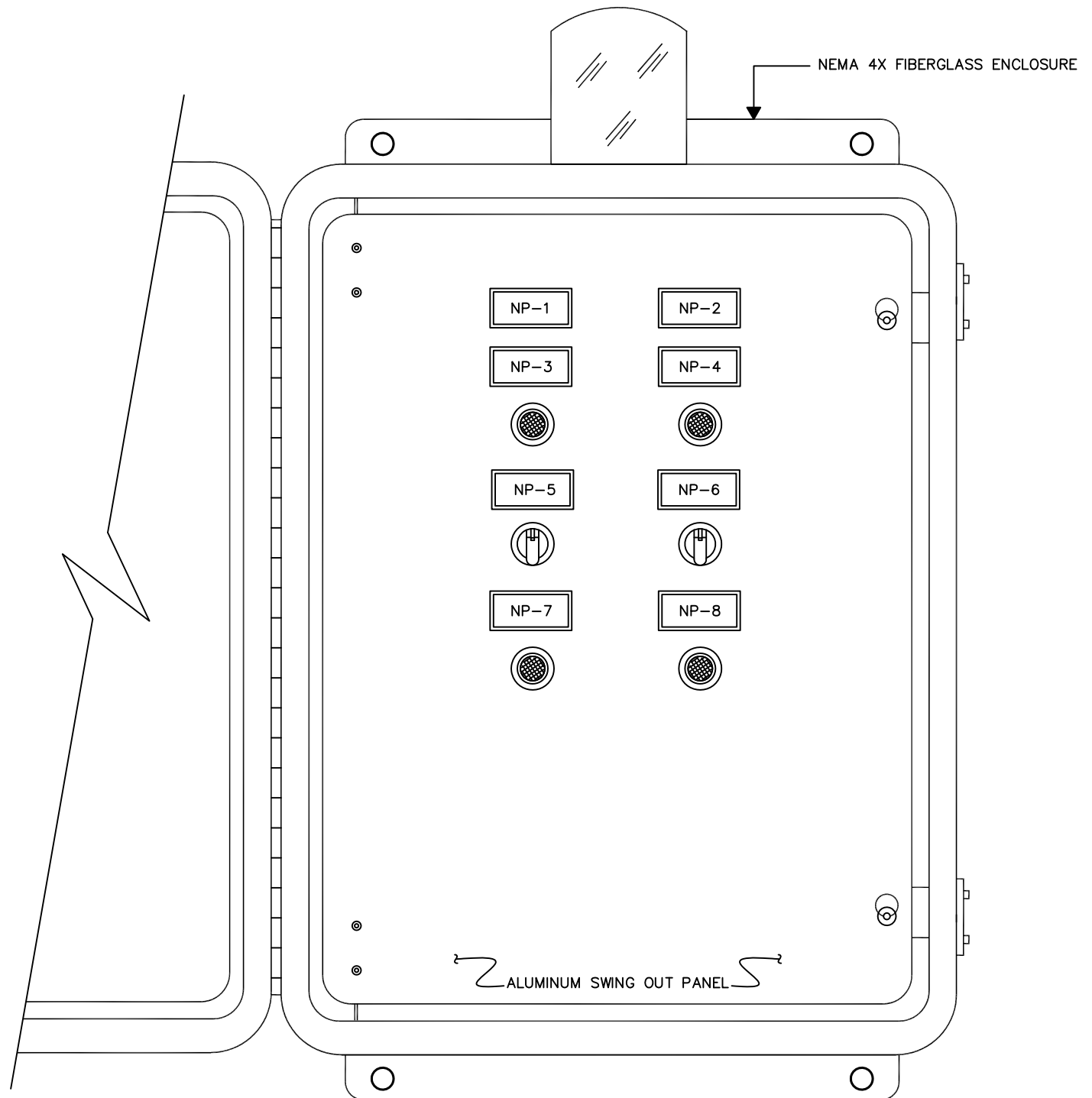
| | | | | | | | | | |
|------------------|------------------------------|--|-------------------------------|---|-----------------|---------------------------|------|----|----------|
| | Drawing Title | | | | | | | | |
| | POWER DIAGRAM | | | | | | | | |
| DATE 12/30/03 | | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | BY C. RACHAL | ECN | DATE | BY | APPROVED |
| | Project Title | COX | | | | PURCHASE ORDER NUMBER | | | |
| | DUPLEX PUMP CONTROL PANEL | Research and Technology, Inc. | | | | DRAWING NUMBER CP-1723 | | | |
| | | P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030 | | | | SHEET NUMBER 2 | | | |



* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

** HIGH TEMP AUTO RESET

| | | | | | | |
|------------------|-----------------|--|--|--|--|---------------------------|
| Drawing Title | CONTROL DIAGRAM | | | | | |
| DATE 12/31/03 | Project Title | COX Research and Technology, Inc. | | | | PURCHASE ORDER NUMBER |
| | | P.O. Box 77808 Baton Rouge, LA 70809 | | | | DRAWING NUMBER CP-1723 |
| | | Ph. (225)756-3271 Fax (225)756-1030 | | | | SHEET NUMBER 3 |
| | | REFERENCE DRAWING NO. REVISION-LOCATION ECN DATE BY | | | | APPROVED |
| | | S/N Sales Engineer C.C. Application Engineer R.C. BY C. RACHAL | | | | DATE |



VIEW OF SWING OUT PANEL

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 |
| NP-7 | HIGH TEMP |
| NP-8 | HIGH TEMP |

| | | | | | | | | | |
|------------------|------------------------------|--|------------------------|------------------------------|--|--|---------------------------|------|----|
| DATE 12/31/03 | Drawing Title | | | | | | | | |
| | ENCLOSURE | | | | | | | | |
| | | 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="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-1723 | | |
| | | | | | | | SHEET NUMBER 4 | | |

BILL OF MATERIALS

| ITEM | QTY | MANUFACTURER | PART NO. | DESCRIPTION |
|------|-----|--------------|--------------|---------------------|
| 1 | 1 | VYNCKIER | VJ1816HWPLDF | ENCLOSURE |
| 1a | 1 | VYNCKIER | MP1816AL | BACKPLATE |
| 2 | 1 | ABB | OT63E3 | MAIN DISC. SWITCH |
| 3 | 2 | ABB | A16-30-10-84 | MOTOR STARTER |
| 4 | 2 | ABB | TA25DU8.5 | O.L. 1,2 (6.0-8.5A) |
| 5 | 2 | ABB | S1N015TL | CB1, CB2 |
| 6 | 1 | TIMEMARK | 261DT120 | ALTERNATING RELAY |
| 7 | 2 | ACI | JR22FR | RED PILOT LIGHT |
| 8 | 2 | ACI | JR22P3M20B | HOA SWITCH |
| 9 | 2 | ACI | JR22FY | AMBER PILOT LIGHT |
| 10 | 1 | SQUARE D | 9070TF150D1 | TRANSFORMER |
| 11 | 1 | AC/DC | BL5-R-120 | ALARM LIGHT |
| 12 | 2 | OMRON | G2R2SAC120 | CR1,2 |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

| | | | | | | | | |
|------------------|---|---|-------------------------------|--|-----------------------|---|------|----|
| | Drawing Title | | | | | | | |
| | <h2 style="margin: 0;">BILL OF MATERIALS</h2> | | | | | | | |
| DATE 12/31/03 | | 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;"> <h1 style="margin: 0;">COX</h1> <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-1723</p> <hr/> <p style="margin: 0; font-size: small;">SHEET NUMBER</p> | | 5 |
| | Project Title | <h2 style="margin: 0;">DUPLEX PUMP CONTROL PANEL</h2> | | | | | | |