
COX

Research and Technology, Inc.

DUPLEX PUMP CONTROL PANEL

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

CP-1535

| | | |
|----------------|-------------|--|
| VOLTAGE | 120/240V | (480V, 277/480V, 240V, 120/240V, 208V, 120/208V) |
| PHASE/HZ | 3/60 | |
| NO. MOTORS | 2 | |
| HP | 15 | |
| FLA | 52 | |
| TYPE OF PUMP | Submersible | (Self-Priming, Submersible) |
| MANUFACTURER | Meyers | |
| CATALOG NUMBER | 4VH150N4-23 | |

| | | |
|----------------------------------|------------|--|
| 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 | | |

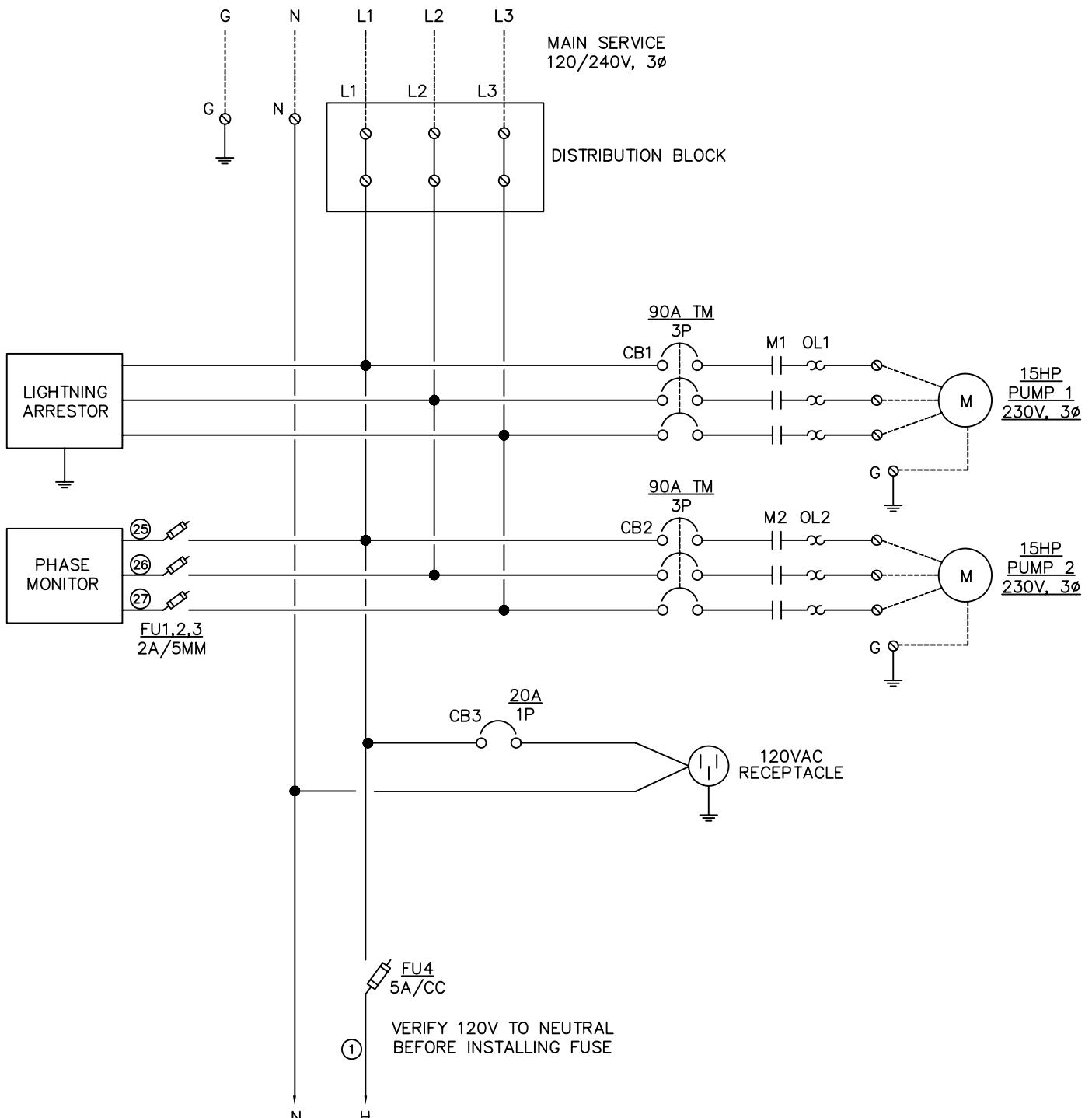
OPTIONS:

| | | |
|----------------------------------|----------------|----------------------------|
| 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 - SIDE | |
| LIGHT REMOTE MTD | | |
| LIGHT FLASHER | | |
| LIGHTNING ARRESTER | X | |
| ELAPSED TIME METER | X | |
| PHASE MONITOR | X | |
| NEMA RATED STARTERS | | |
| GROUND FAULT RECPT. | GFI Receptacle | |
| GREEN RUN LIGHTS VS. RED | | |
| POLE, BOX, SEAL | | |
| INTRINSICALLY SAFE RELAYS | | |
| HIGH TEMP. LOCKOUT, MANUAL RESET | | |
| ECONOMY VERSION | X | |

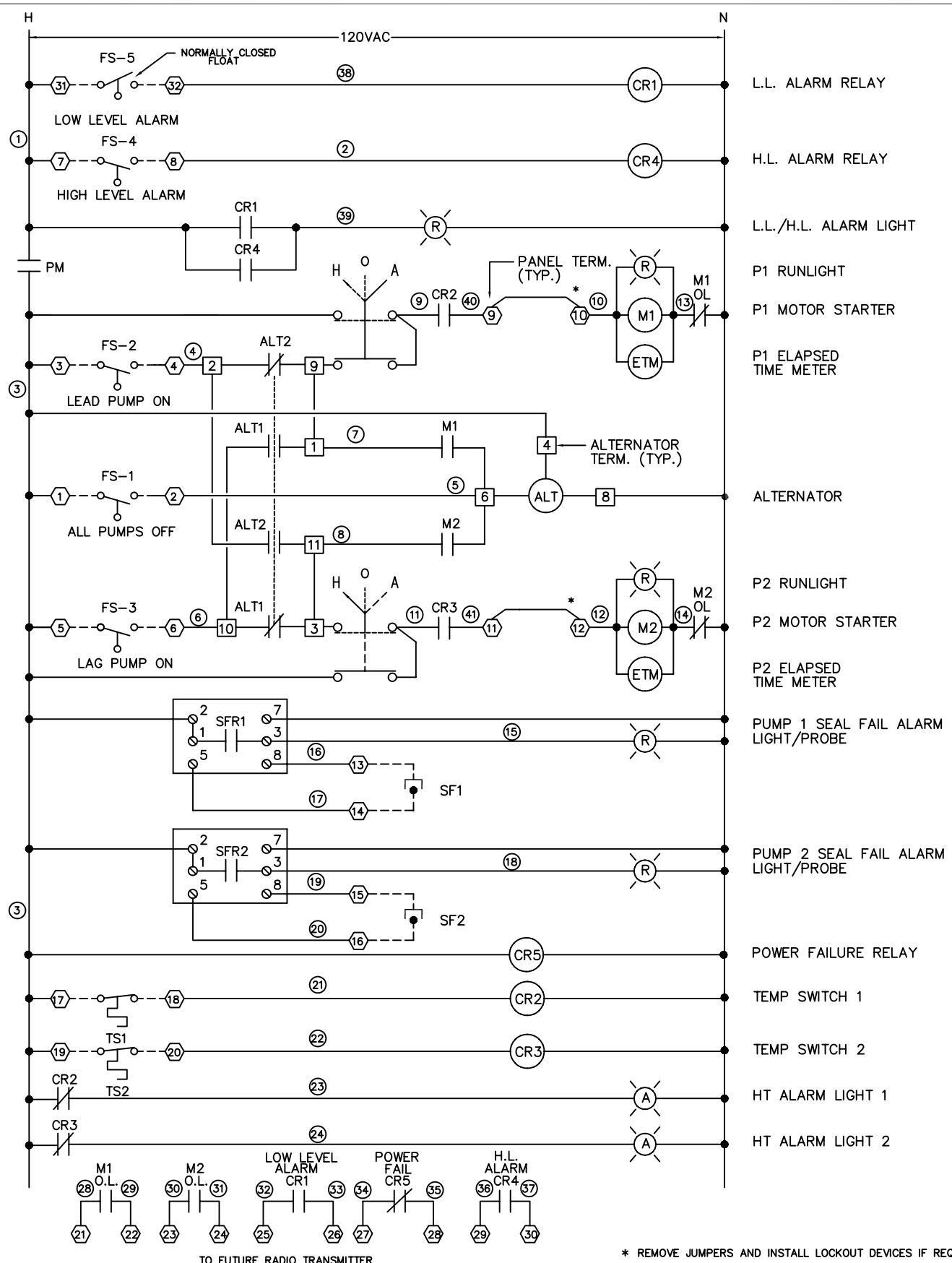
SOLD TO: Delta Process - Bossier City, LA
TAG : The Colony

SHIP TO: Delta Process - Bossier City, LA

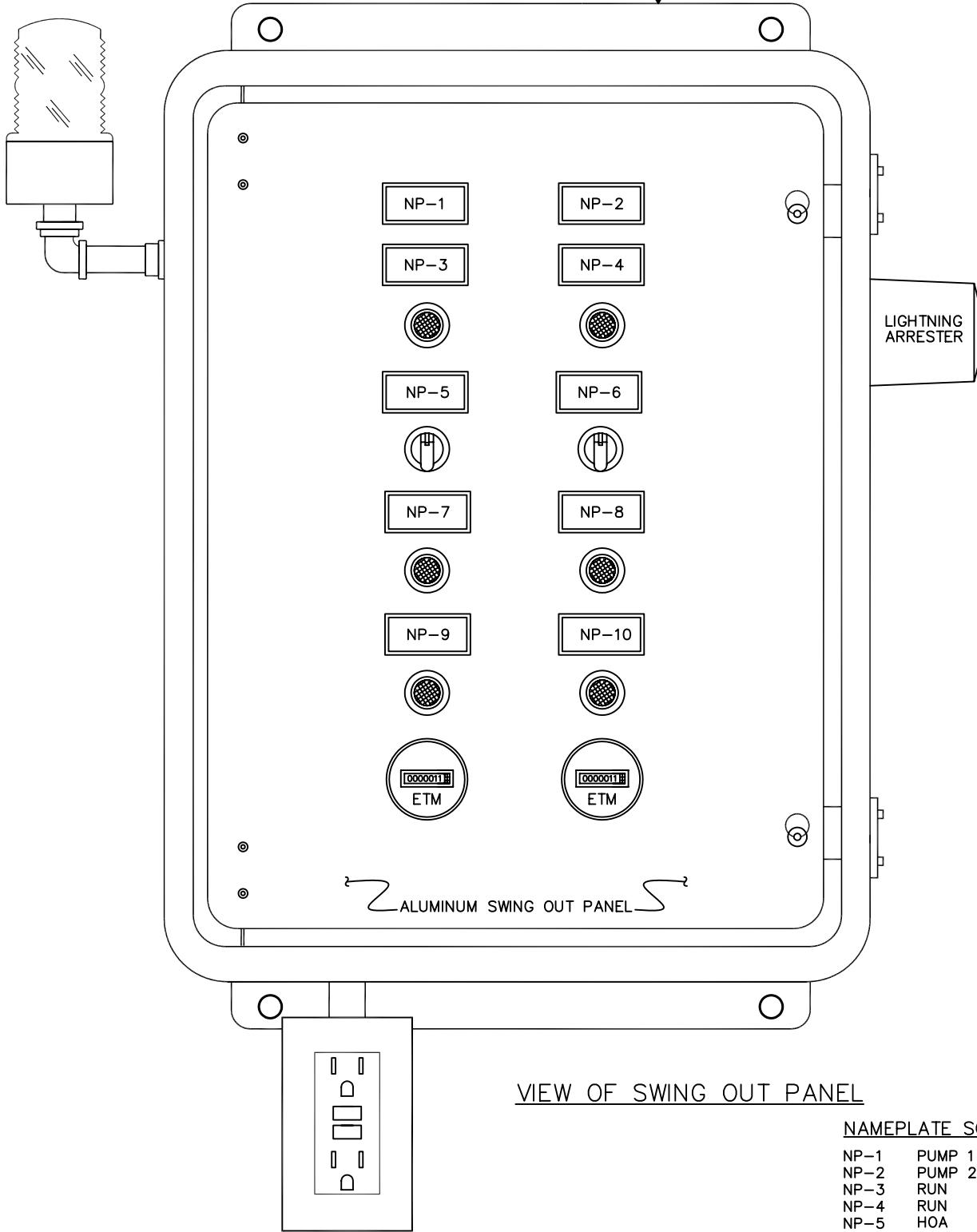
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|----------------|---|--|------------------------|------------------------------|--|--|---------------------------|------|----|
| | Drawing Title PANEL DESCRIPTION | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| DATE 3/4/03 | | REFERENCE 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 DUPLEX PUMP CONTROL PANEL | <hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc. | | | P.O. Box 77808 Baton Rouge, LA 70809 | | PURCHASE ORDER NUMBER | | |
| | | | | | | | DRAWING NUMBER CP-1535 | | |
| | | | | | Ph. (225)756-3271 Fax (225)756-1030 | | SHEET NUMBER 1 | | |



| | | | | | | |
|----------------|------------------------------|--------------------------------------|--|---|------------------------------|-----------------------------|
| | Drawing Title | | | | | |
| | POWER DIAGRAM | | | | | |
| DATE 3/4/03 | | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | ECN DRAWN BY C. RACHAL | DATE APPROVED BY DATE |
| | Project Title | | | | | |
| | DUPLEX PUMP CONTROL PANEL | COX Research and Technology, Inc. | P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030 | PURCHASE ORDER NUMBER DRAWING NUMBER CP-1535 SHEET NUMBER 2 | | |



| | | | | |
|---|--------------------------------------|--|---|--|
| | Drawing Title CONTROL DIAGRAM | | | |
| DATE 3/4/03 | | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION DRAWN Application Engineer R.C. |
| | | | | ECN APPROVED BY C. RACHAL BY DATE |
| Project Title DUPLEX PUMP CONTROL PANEL | COX Research and Technology, Inc. | P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030 | PURCHASE ORDER NUMBER DRAWING NUMBER CP-1535 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 |
| NP-9 | HIGH TEMP |
| NP-10 | HIGH TEMP |

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 3/4/03 | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | ECN DRAWN BY C. RACHAL | DATE APPROVED BY | BY |
| | | | | | | |
| | Project Title | | | | | |
| | DUPLEX PUMP CONTROL PANEL | | COX Research and Technology, Inc. | P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030 | PURCHASE ORDER NUMBER DRAWING NUMBER CP-1535 SHEET NUMBER 4 | |

BILL OF MATERIALS

| ITEM | QTY | MANUFACTURER | PART NO. | DESCRIPTION |
|------|-----|--------------|--------------|---------------------|
| 1 | 1 | ALLIED | AM24200RL | ENCLOSURE |
| 1a | 1 | ALLIED | P2420 | BACKPLATE |
| 1b | 1 | ALLIED | HFP-2420 | DEAD FRONT |
| 2 | 1 | MARATHON | 132 3570 | DISTRIBUTION BLOCK |
| 3 | 2 | ABB | A63-30-11-84 | MOTOR STARTER |
| 4 | 2 | ABB | TA75DU63 | O.L. RELAY (45-63A) |
| 5 | 2 | SQUARE D | QOU390 | CB1, CB2 |
| 6 | 1 | TIMEMARK | 261DT120 | ALTERNATING RELAY |
| 7 | 4 | ACI | JR22FR | RED PILOT LIGHT |
| 8 | 2 | ACI | JR22FY | AMBER PILOT LIGHT |
| 9 | 2 | ACI | JR22P3M20B | HOA SWITCH |
| 10 | 1 | MICRO STROBE | 495 S-120 | ALARM LIGHT |
| 11 | 1 | C-H | CHSA03 | LIGHTNING ARRESTER |
| 12 | 1 | SSAC | PLMU-11 | PHASE MONITOR |
| 13 | 2 | GRASSLIN | UWZ52E | ELAPSED TIME METER |
| 14 | 2 | SSAC | LLC54AA | SEAL FAIL RELAY |
| 15 | 1 | SQUARE D | QOU120 | CB3 |
| 16 | 6 | OMRON | G2R2SAC120 | CR1-6 |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| 21 | | | | |
| 22 | | | | |
| 23 | | | | |
| 24 | | | | |

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|---|--|----------------|----------------------|-------------------|--|-----------------------|------|----|
| Drawing Title BILL OF MATERIALS | | | | | | | | |
| | REFERENCE DRAWING | | NO. | REVISION-LOCATION | | ECN | DATE | BY |
| DATE 3/4/03 | S/N | Sales Engineer | Application Engineer | DRAWN | APPROVED | | | |
| | | C.C. | R.C. | BY C. RACHAL | BY | DATE | | |
| Project Title DUPLEX PUMP CONTROL PANEL | <hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc. <hr/> <hr/> | | | | P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030 | PURCHASE ORDER NUMBER | | |
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| | | | | SHEET NUMBER | | | | |
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