
COX

Research and Technology, Inc.

DUPLEX PUMP CONTROL PANEL P & S PANTRY

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

CP-1932

| | | |
|----------------------------------|--------------|--|
| VOLTAGE | 120/240V | (480V, 277/480V, 240V, 120/240V, 208V, 120/208V) |
| PHASE/HZ | 1/60 | |
| NO. MOTORS | 2 | |
| HP | 2 | |
| FLA | 15 | |
| TYPE OF PUMP | Submersible | (Self-Priming, Submersible) |
| MANUFACTURER | BARNES | |
| CATALOG NUMBER | SGVF2022L-MS | |
| | | |
| 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 | YES | (Yes, No) |
| CAPACITOR WIRING FIGURE | N/A | |
| THERM. & SEAL FAIL WIRING FIGURE | | |

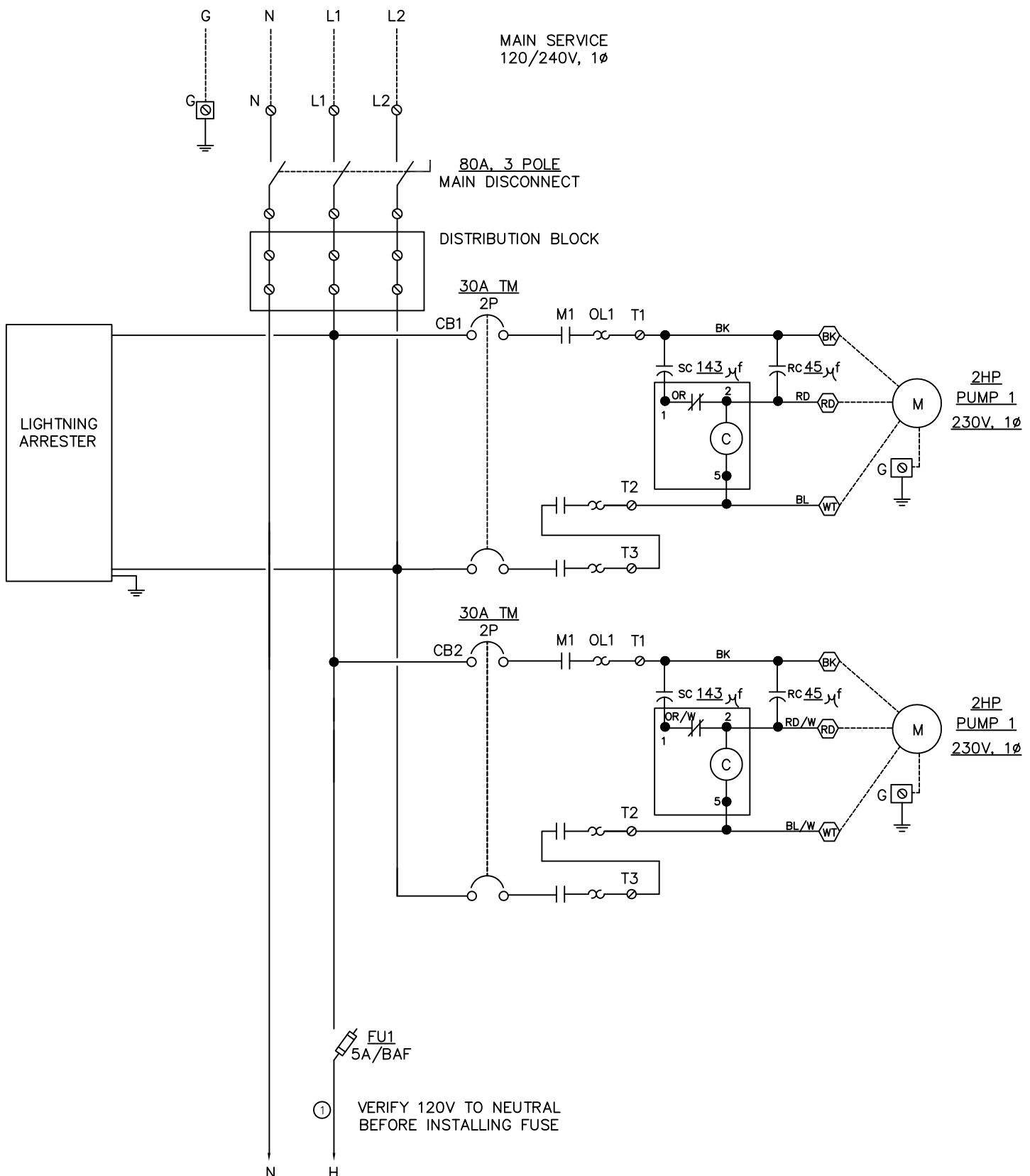
OPTIONS:

| | | |
|----------------------------------|---|----------------------------|
| 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 | |
| LIGHT REMOTE MTD | | |
| LIGHT FLASHER | | |
| LIGHTNING ARRESTER | X | |
| ELAPSED TIME METER | X | |
| 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 | | |

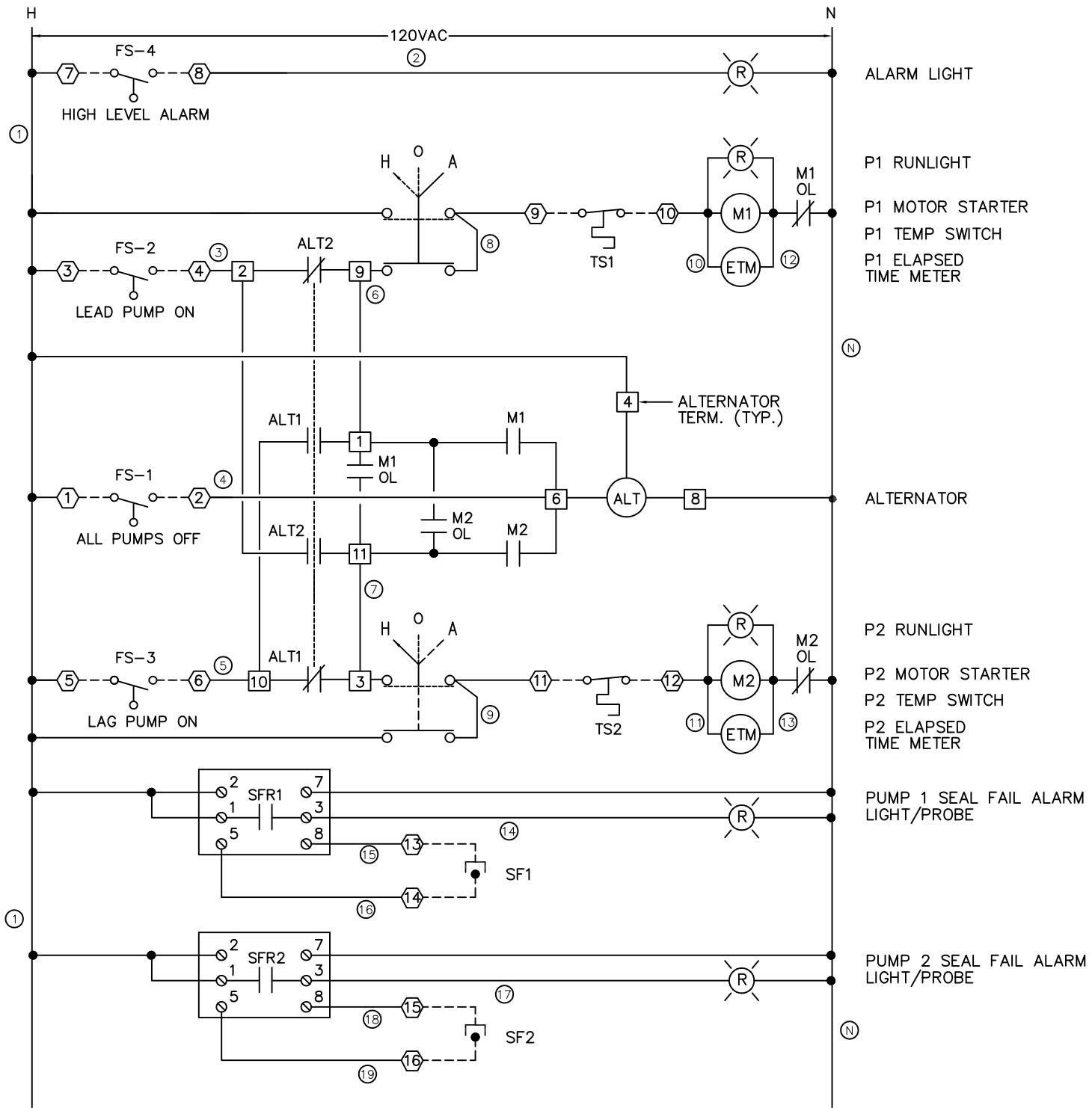
SOLD TO: Delta Process - Bossier City, LA
TAG : P & S PANTRY

SHIP TO: Delta Process - Ruston, LA

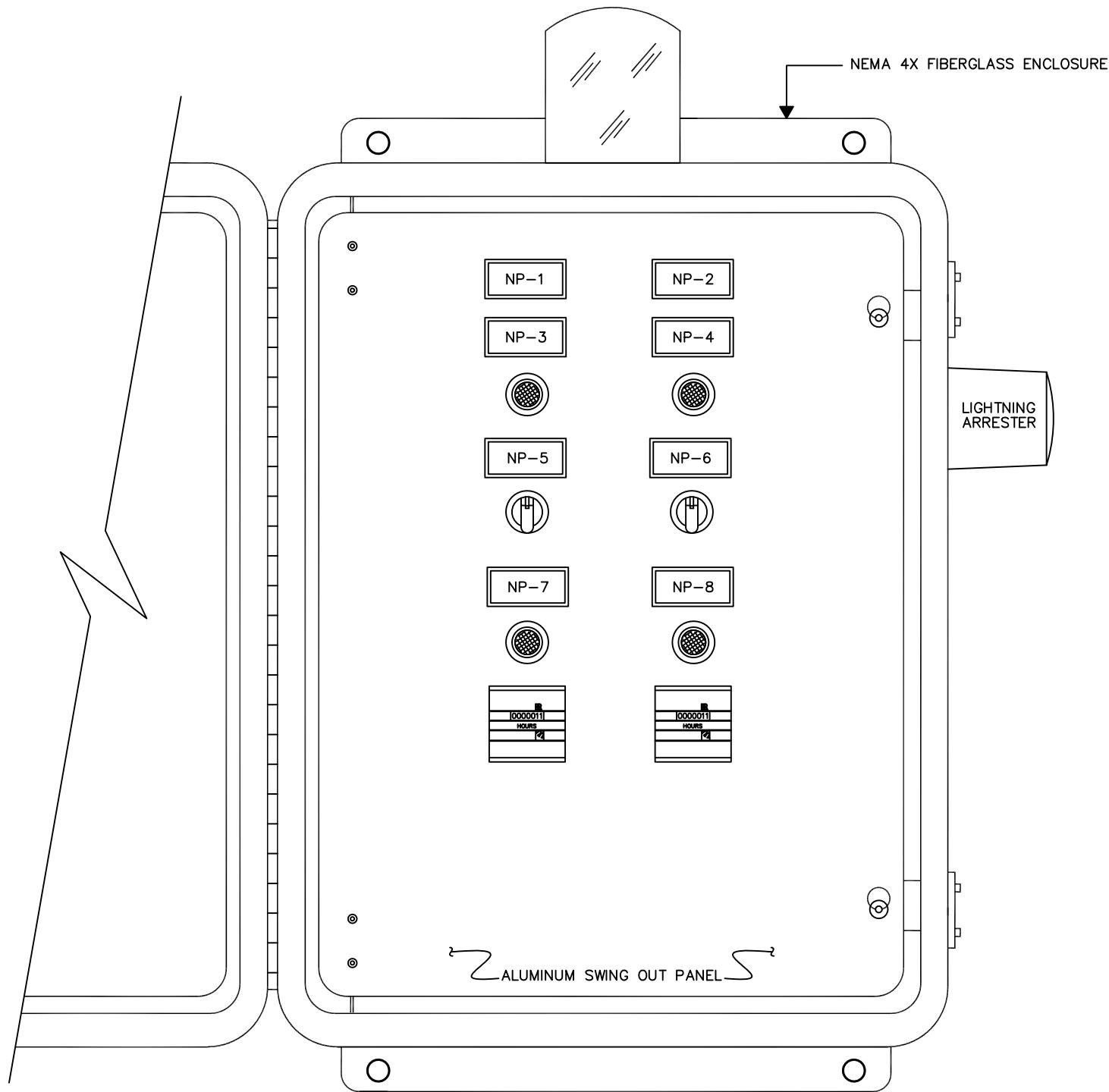
| Drawing Title | PANEL DESCRIPTION | | | REFERENCE DRAWING | NO. | REVISION-LOCATION | ECN | DATE | BY |
|------------------|---|--------------------------------------|--|---------------------------|-----|-------------------|-----|------|----|
| | | | | | | | | | |
| DATE 10/21/04 | Project Title DUPLEX PUMP CONTROL PANEL | COX Research and Technology, Inc. | P.O. Box 77808 Baton Rouge, LA 70809 | PURCHASE ORDER NUMBER | | | | | |
| | | | Ph. (225)756-3271 Fax (225)756-1030 | DRAWING NUMBER CP-1932 | | | | | |
| | | | | SHEET NUMBER 1 | | | | | |



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|---|--------------------------------------|--|---|-----------------------|-----|------|----|
| | Drawing Title | | | | | | |
| | POWER DIAGRAM | | | | | | |
| DATE 10/21/04 | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | DRAWN BY C. RACHAL | ECN | DATE | 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-1932 SHEET NUMBER 2 | | | | |



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|------------------|---|--|------------------------|------------------------------|--|--|------|
| | Drawing Title CONTROL DIAGRAM | | | | | | |
| | | | | | | | |
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| | | REFERENCE DRAWING | NO. | REVISION-LOCATION | ECN | DATE | BY |
| DATE 10/21/04 | | 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/> <hr/> COX Research and Technology, Inc. <hr/> <hr/> | | | P.O. Box 77808 Baton Rouge, LA 70809 | PURCHASE ORDER NUMBER DRAWING NUMBER CP-1932 | |
| | | | | | Ph. (225)756-3271 Fax (225)756-1030 | 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 GASES WILL DESTROY COMPONENTS IN PANEL.
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE
PANEL TO PREVENT ENTRY OF GASES.

| | Drawing Title | | | | | |
|------------------|---|---|--|-----|---|----|
| | ENCLOSURE | | | | | |
| | | | | | | |
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| | | | | | | |
| DATE 10/21/04 | REFERENCE DRAWING S/N | NO. C.C. | REVISION-LOCATION DRAWN BY C. RACHAL | ECN | DATE APPROVED BY DATE | BY |
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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 | TA25DU19 | O.L. (13-19A) |
| 5 | 2 | SQUARE D | QOU230 | CB1, CB2 |
| 6 | 1 | TIMEMARK | 261DT120 | ALTERNATING RELAY |
| 7 | 4 | ACI | JR22FR | RED PILOT LIGHT |
| 8 | 2 | ACI | JR22P3M20B | HOA SWITCH |
| 9 | 1 | AC/DC | BL5-R-120 | ALARM LIGHT |
| 10 | 1 | MARATHON | 1323580 | DISTRIBUTION BLOCK |
| 11 | 2 | REDINGTON | 711-0190 | ELAPSED TIME METER |
| 12 | 2 | SSAC | LLC54AA | SEAL FAIL RELAY |
| 13 | 1 | DELTA | LA302 | LIGHTNING ARRESTER |
| 14 | 2 | MALLORY | 4X658 | 143 μ f CAPACITOR |
| 15 | 2 | GE | 5X434 | 45 μ f CAPACITOR |
| 16 | 2 | GE | 6X559 | START RELAY |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
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| 23 | | | | |
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|------------------|------------------------------|------------------------------|--------------------------------------|-------------------------------|---|-----|------|
| | Drawing Title | | | | | | |
| | BILL OF MATERIALS | | | | | | |
| | | | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION DRAWN BY C. RACHAL | ECN | DATE |
| DATE 10/21/04 | | Application Engineer R.C. | BY | | | | |
| | Project Title | | COX Research and Technology, Inc. | | PURCHASE ORDER NUMBER P.O. Box 77808 Baton Rouge, LA 70809 DRAWING NUMBER Ph. (225)756-3271 Fax (225)756-1030 SHEET NUMBER CP-1932 5 | | |
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