
COX

Research and Technology, Inc.

ADAMS COUNTY SEWER DIST.
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-2327

| | | |
|----------------|--------------|--|
| VOLTAGE | 120/240V | (480V, 277/480V, 240V, 120/240V, 208V, 120/208V) |
| PHASE/HZ | 3/60 | |
| NO. MOTORS | 2 | |
| HP | 10 | |
| FLA | <28 | |
| 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 | N/A | |
| THERM. & SEAL FAIL WIRING FIGURE | | |

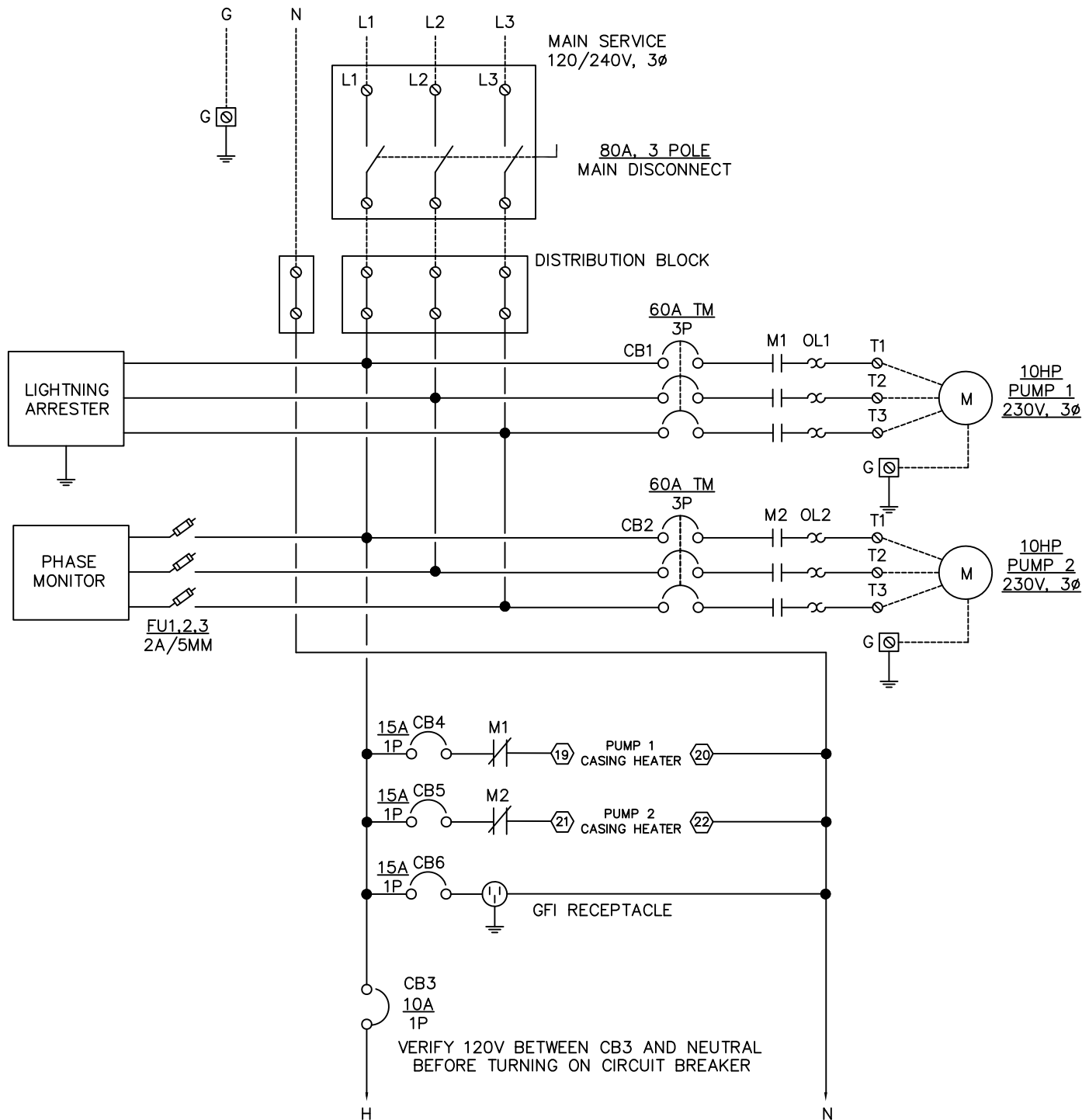
OPTIONS:

| | | |
|----------------------------------|---|----------------------------|
| 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 | | |
| LIGHT REMOTE MTD | X | |
| LIGHT FLASHER | | |
| 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 | X | |
| ECONOMY VERSION | | |

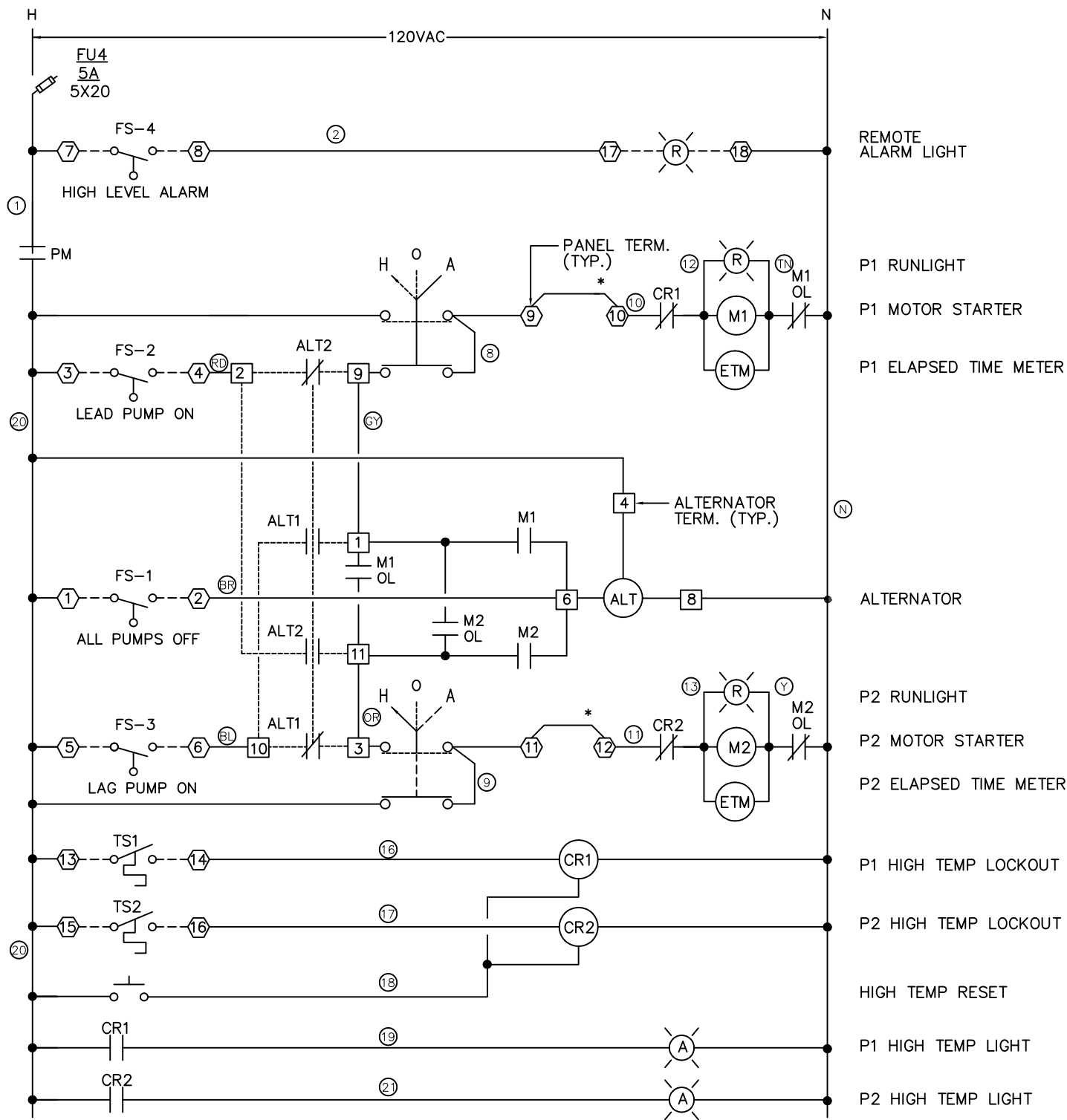
SOLD TO: Delta Process - Bossier City, LA
TAG : ADAMS COUNTY SEWER DIST.

SHIP TO: Delta Process - Ruston, LA

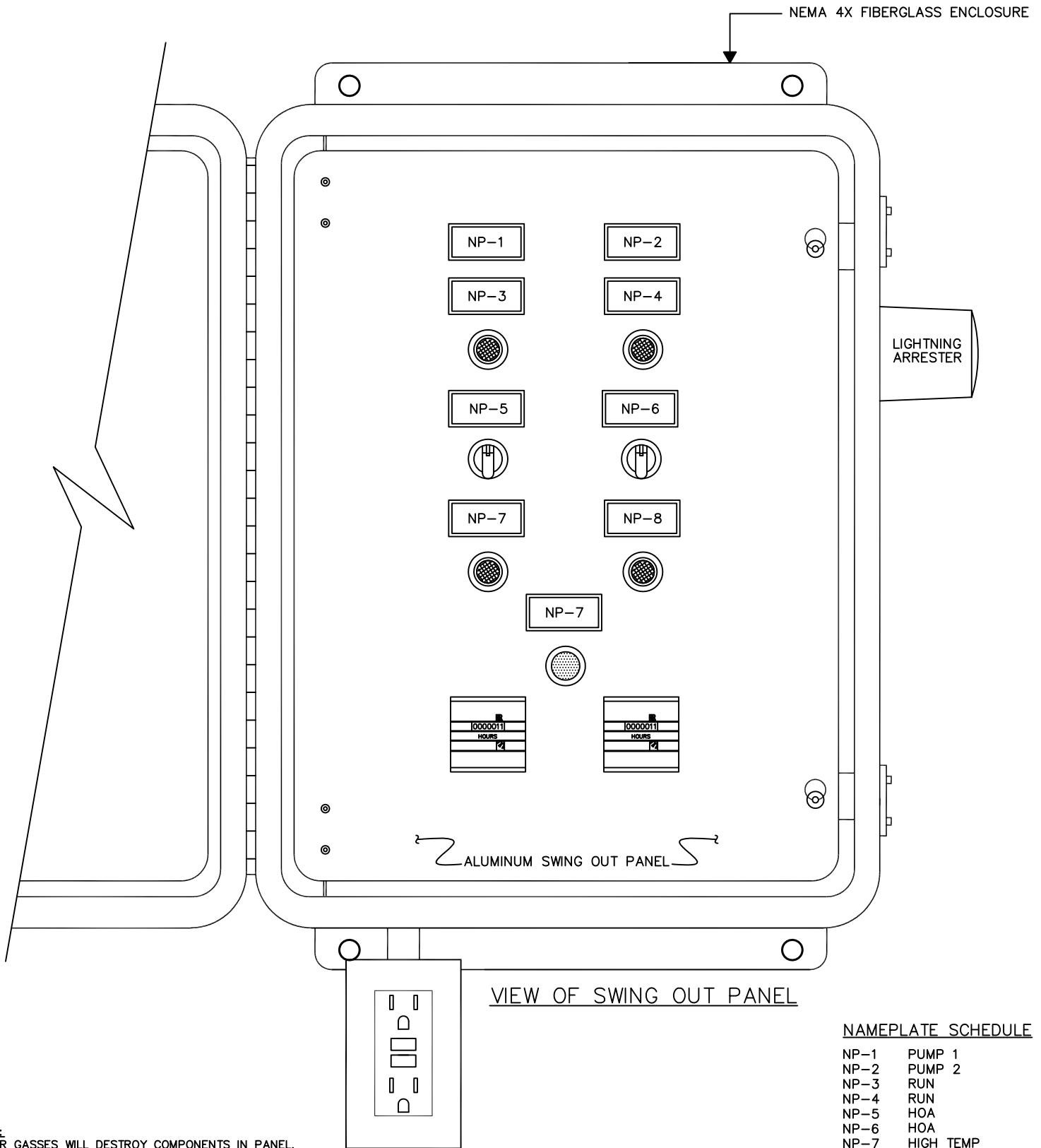
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|---------|------------------------------|---|------------------------|------------------------------|--|----------------|---|
| | Drawing Title | | | | | | |
| | PANEL DESCRIPTION | | | | | | |
| | | | | | | | |
| DATE | | REFERENCE DRAWING | NO. | REVISION-LOCATION | ECN | DATE | BY |
| 3/02/06 | | S/N | Sales Engineer C.C. | 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-2327 SHEET NUMBER 1 |
| | DUPLEX PUMP CONTROL PANEL | | | | | | |



| | | | | | | | | | |
|------|------------------------------|-------------------------------|------------------------|------------------------------|--|---------------------------|------|----------|--|
| | Drawing Title | | | | | | | | |
| | POWER DIAGRAM | | | | | | | | |
| DATE | 3/02/06 | 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-2327 | | | |
| | | | | | | SHEET NUMBER 2 | | | |



| | | | | | | | |
|-----------------------|-------------------|-------------------------------|------------------------|--|------------------------------|---------------------------|------|
| Drawing Title | | | | | | | |
| CONTROL DIAGRAM | | | | | | | |
| DATE 3/02/06 | REFERENCE DRAWING | | NO. | | REVISION-LOCATION | | ECN |
| | S/N | | Sales Engineer C.C. | | Application Engineer R.C. | | DATE |
| Project Title | | DRAWN BY C. RACHAL | | APPROVED BY | | DATE | |
| PURCHASE ORDER NUMBER | | COX | | P.O. Box 77808 Baton Rouge, LA 70809 | | DRAWING NUMBER CP-2327 | |
| SHEET NUMBER | | Research and Technology, Inc. | | Ph. (225)756-3271 Fax (225)755-1030 | | 3 | |



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 | HOA |
| NP-6 | HOA |
| NP-7 | HIGH TEMP |
| NP-8 | HIGH TEMP |
| NP-9 | HIGH TEMP RESET |

| | | | | | | | | |
|---------------|------------------------------|--|-------------------------------|------------------------|--|---------------------------|----------|----|
| Drawing Title | ENCLOSURE | | REFERENCE DRAWING | NO. | REVISION-LOCATION | ECN | DATE | BY |
| DATE | 3/02/06 | | S/N | 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)755-1030 | DRAWING NUMBER CP-2327 | | |
| | | | | | | SHEET NUMBER 4 | | |

BILL OF MATERIALS

| ITEM | QTY | MANUFACTURER | PART NO. | DESCRIPTION |
|------|-----|--------------|--------------|---------------------|
| 1 | 1 | STAHLIN | RJ1816HPLDF | ENCLOSURE |
| 1a | 1 | STAHLIN | BP1816AL | BACKPLATE |
| 2 | 2 | ABB | A30-30-10-84 | MOTOR STARTER |
| 3 | 2 | ABB | TA42DU32 | O.L. RELAY (22-32A) |
| 4 | 2 | SQUARE D | QOU360 | CB1, CB2 |
| 5 | 1 | TIMEMARK | 261DT120 | ALTERNATING RELAY |
| 6 | 2 | ACI | JR22FR | RED PILOT LIGHT |
| 7 | 2 | ACI | JR22P3M20B | HOA SWITCH |
| 8 | 1 | DELTA | LA603 | LIGHTNING ARRESTER |
| 9 | 1 | ABB | OT63E3 | DISCONNECT SWITCH |
| 10 | 1 | SSAC | PLMU-11 | PHASE MONITOR |
| 11 | 2 | REDINGTON | 711-0190 | ELAPSED TIME METER |
| 12 | 2 | ACI | JR22FY | AMBER PILOT LIGHT |
| 13 | 1 | MARATHON | 1323580 | DISTRIBUTION BLOCK |
| 14 | 1 | MARATHON | 1321570 | NEUTRAL BLOCK |
| 15 | 1 | SQUARE D | QOU110 | CB3 |
| 16 | 1 | SQUARE D | QOU115 | CB4,5,6 |
| 17 | 1 | STOCK | | GFI RECEPTACLE |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| 21 | | | | |
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| 25 | | | | |

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|-----------------|------------------------------|--|-------------------------------|---|--|-----|--|
| | Drawing Title | | | | | | |
| | BILL OF MATERIALS | | | | | | |
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| DATE 3/02/06 | | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | DRAWN BY C. RACHAL | ECN | DATE |
| | Project Title | <div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 150px;"> COX <small>Research and Technology, Inc.</small> </div> | | | P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030 | | PURCHASE ORDER NUMBER DRAWING NUMBER CP-2327 SHEET NUMBER |
| | DUPLEX PUMP CONTROL PANEL | | | | | | 5 |