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# COX

Research and Technology, Inc.

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KENSINGTON APARTMENTS  
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-1654

|                |             |  |
|----------------|-------------|--|
| VOLTAGE        | 120/240V    | (480V, 277/480V, 240V, 120/240V, 208V, 120/208V) |
| PHASE/HZ       | 1/60        |  |
| NO. MOTORS     | 2           |  |
| HP             | 2 HP        |  |
| FLA            | 15          |  |
| 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                       | Yes        | (Yes, No)                                    |
| CAPACITOR WIRING FIGURE          |            |  |
| 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 |                            |
| 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 - Shreveport, LA

TAG : KENSINGTON APARTMENTS

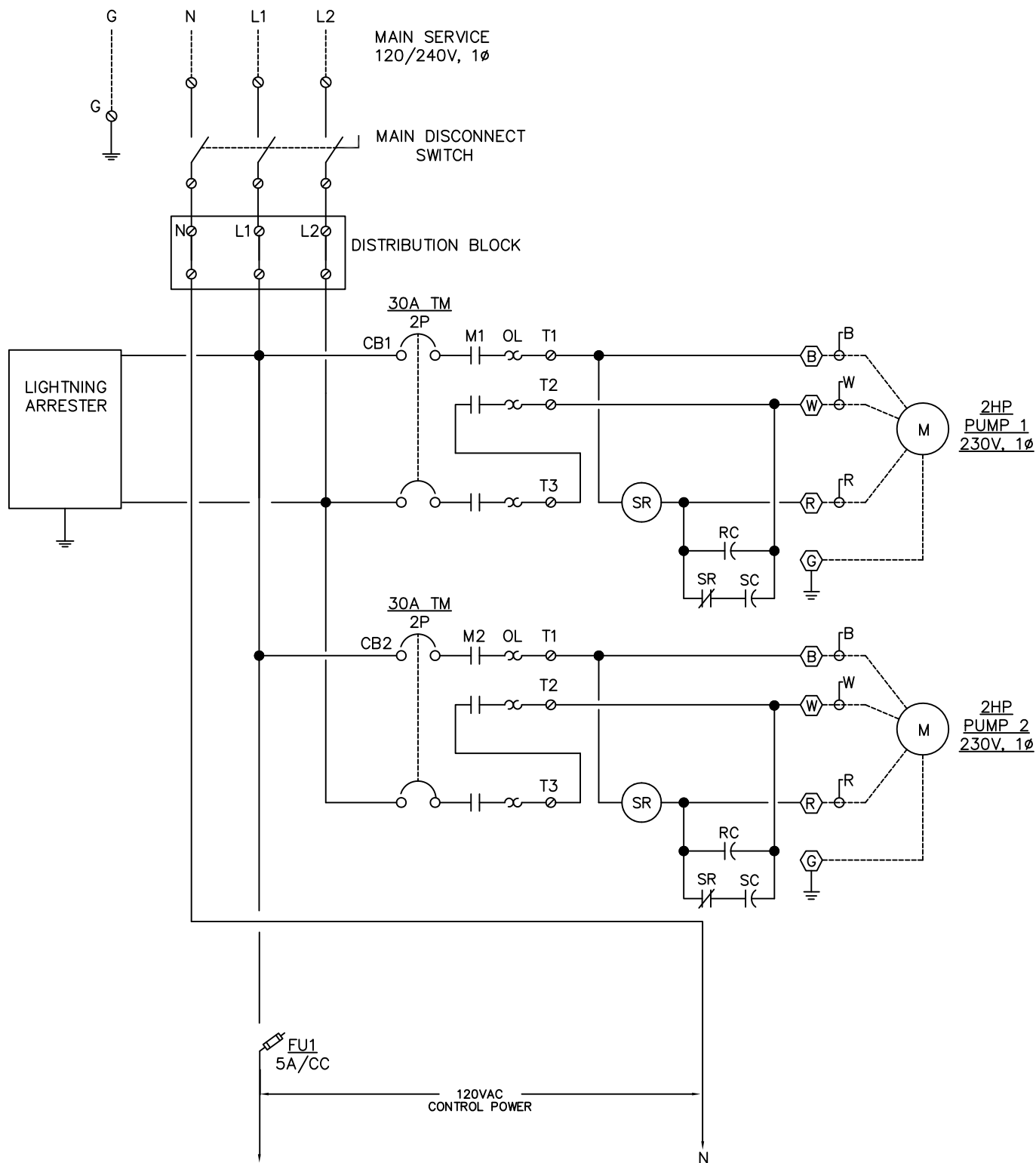
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SHIP TO: Delta Process - Ruston, LA

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|                 |                              |  |                               |   |  |                |   |
|-----------------|------------------------------|--|-------------------------------|---|--|----------------|---|
|                 | Drawing Title                |  |                               |   |  |                |   |
|                 | PANEL DESCRIPTION            |  |                               |   |  |                |   |
|                 |                              |  |                               |   |  |                |   |
| DATE<br>9/10/03 |                              | REFERENCE DRAWING<br>S/N   | NO.<br>Sales Engineer<br>C.C. | REVISION-LOCATION<br>Application Engineer<br>R.C. | DRAWN<br>BY C. RACHAL  | APPROVED<br>BY | DATE  |
|                 | Project Title                | <div style="text-align: center;"> <b>COX</b><br/> Research and Technology, Inc. </div> |                               |   | P.O. Box 77808<br>Baton Rouge, LA<br>70809<br><br>Ph. (225)756-3271<br>Fax (225)756-1030 |                | PURCHASE ORDER NUMBER<br><br>DRAWING NUMBER<br>CP-1654<br>SHEET NUMBER<br>1 |
|                 | DUPLEX PUMP<br>CONTROL PANEL |  |                               |   |  |                |   |



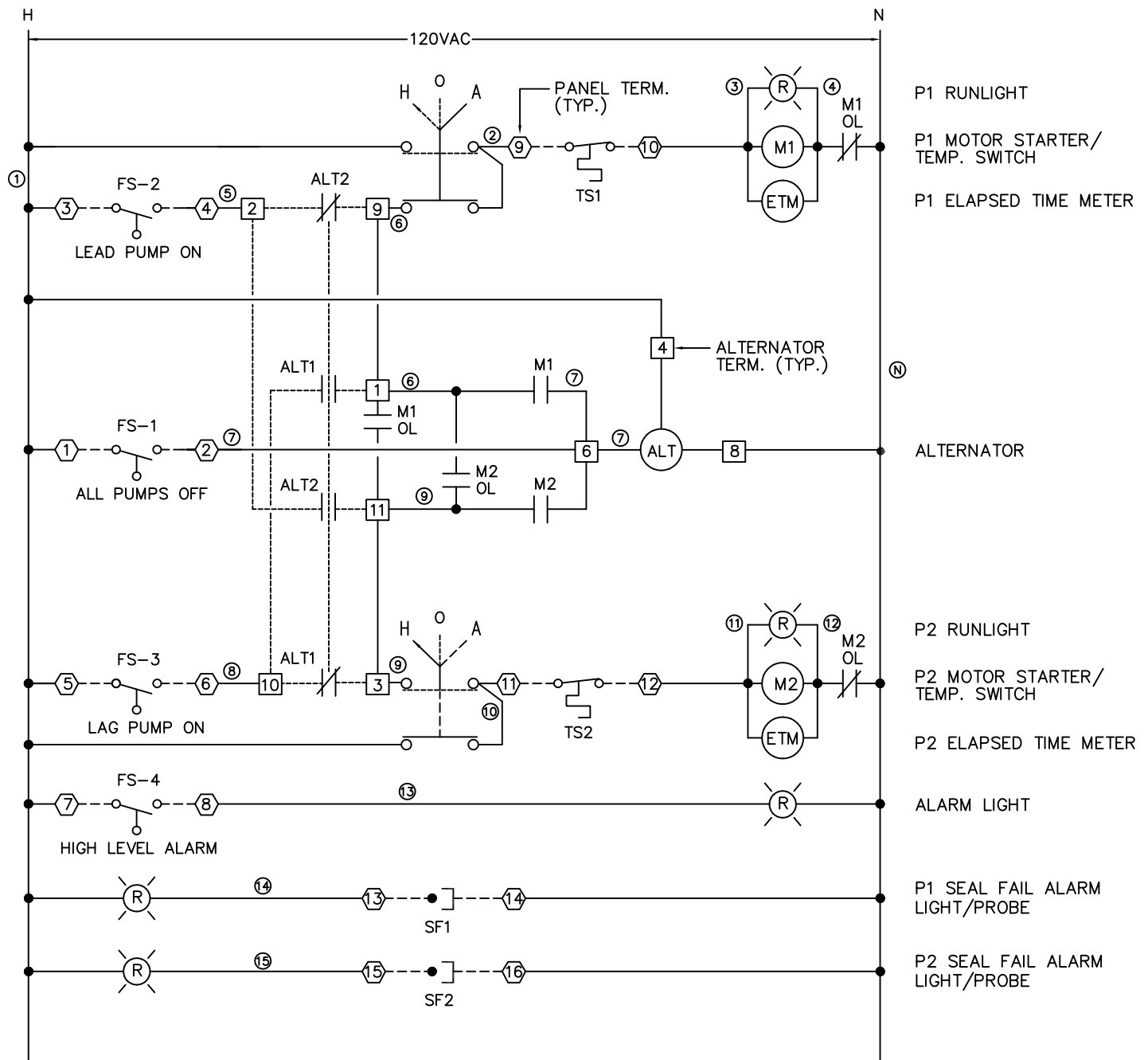
|                 |                              |                   |                        |                              |              |          |    |                           |   |
|-----------------|------------------------------|-------------------|------------------------|------------------------------|--------------|----------|----|---------------------------|---|
|                 | Drawing Title                |                   |                        |                              |              |          |    |                           |   |
|                 | POWER DIAGRAM                |                   |                        |                              |              |          |    |                           |   |
| DATE<br>9/10/03 |                              | REFERENCE DRAWING | NO.                    | REVISION-LOCATION            | ECN          | DATE     | BY |                           |   |
|                 |                              | S/N               | Sales Engineer<br>C.C. | Application Engineer<br>R.C. | BY C. RACHAL | APPROVED |    |                           |   |
|                 | Project Title                |                   |                        |                              |              |          |    | PURCHASE ORDER NUMBER     |   |
|                 | DUPLEX PUMP<br>CONTROL PANEL |                   |                        |                              |              |          |    | DRAWING NUMBER<br>CP-1654 |   |
|                 |                              |                   |                        |                              |              |          |    | SHEET NUMBER              | 2 |

**COX**

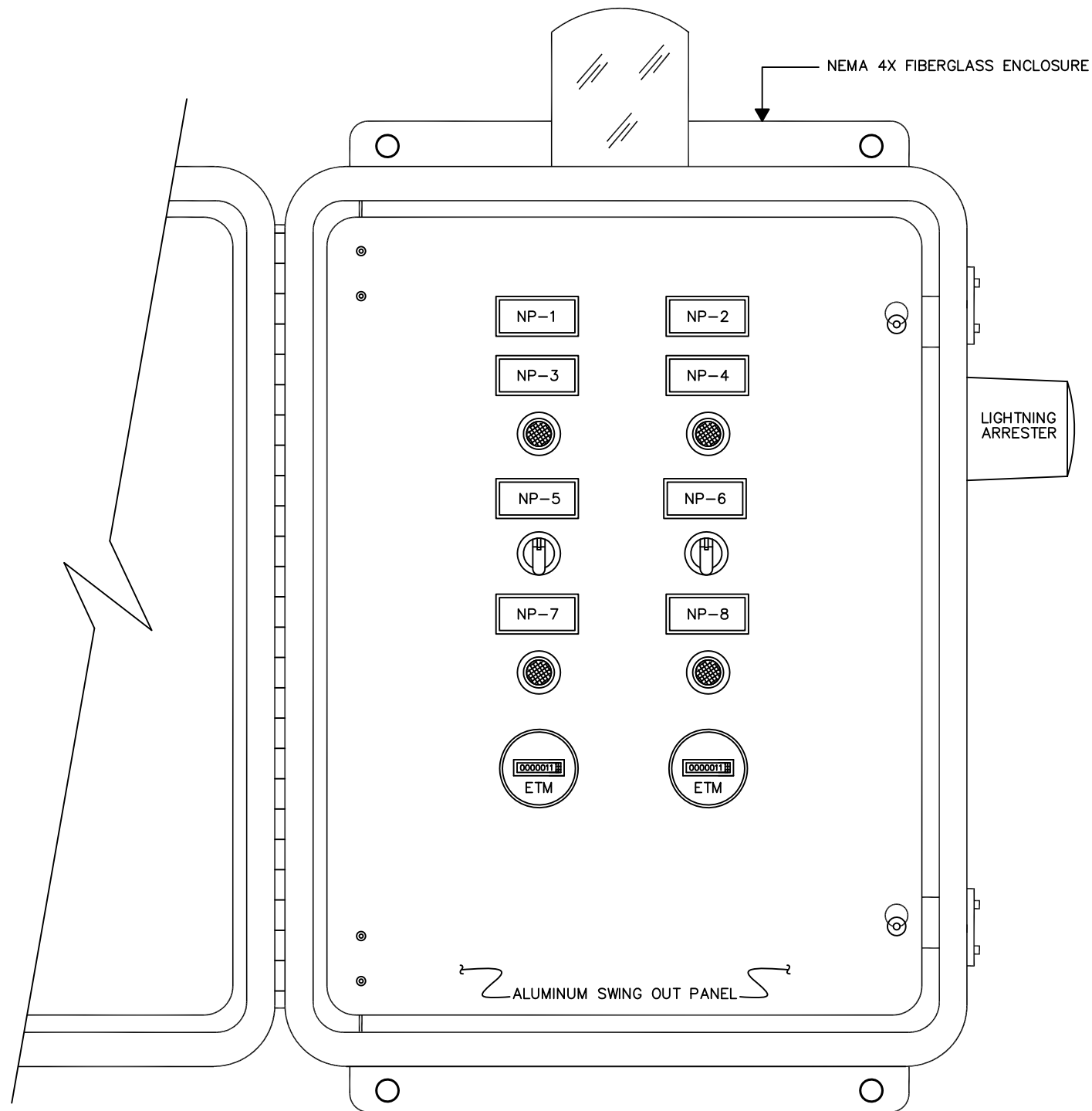
Research and Technology, Inc.

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70809

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|                 |   |   |                               |   |   |                           |              |    |
|-----------------|---|---|-------------------------------|---|---|---------------------------|--------------|----|
|                 | Drawing Title<br><br><br>CONTROL DIAGRAM          |   |                               |   |   |                           |              |    |
|                 |   |   |                               |   |   |                           |              |    |
|                 |   |   |                               |   |   |                           |              |    |
| DATE<br>9/10/03 |   | REFERENCE DRAWING<br>S/N                                | NO.<br>Sales Engineer<br>C.C. | REVISION-LOCATION<br>Application Engineer<br>R.C. | DRAWN<br>BY C. RACHAL   | ECN<br>BY                 | DATE<br>DATE | BY |
|                 | Project Title<br><br>DUPLIX PUMP<br>CONTROL PANEL | <div>COX</div> <div>Research and Technology, Inc.</div> |                               |   | P.O. Box 77808<br>Baton Rouge, LA 70809<br><br>Ph. (225)756-3271<br>Fax (225)756-1030 | PURCHASE ORDER NUMBER     |              |    |
|                 |   |   |                               |   |   | DRAWING NUMBER<br>CP-1654 |              |    |
|                 |   |   |                               |   |   | SHEET NUMBER<br>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 | SEAL FAIL |
| NP-8 | SEAL FAIL |

|                 |               |                   |  |                |  |                      |  |                       |
|-----------------|---------------|-------------------|--|----------------|--|----------------------|--|-----------------------|
| DATE<br>9/10/03 | Drawing Title |                   |  |                |  |                      |  |                       |
|                 | ENCLOSURE     |                   |  |                |  |                      |  |                       |
|                 |               |                   |  |                |  |                      |  |                       |
|                 |               |                   |  |                |  |                      |  |                       |
| Project Title   |               | REFERENCE DRAWING |  | NO.            |  | REVISION-LOCATION    |  | ECN                   |
|                 |               | S/N               |  | Sales Engineer |  | Application Engineer |  | DATE                  |
|                 |               |                   |  | C.C.           |  | R.C.                 |  | BY                    |
|                 |               |                   |  |                |  | DRAWN                |  | APPROVED              |
|                 |               |                   |  |                |  | BY C. RACHAL         |  | DATE                  |
|                 |               |                   |  |                |  |                      |  | PURCHASE ORDER NUMBER |
|                 |               |                   |  |                |  |                      |  | DRAWING NUMBER        |
|                 |               |                   |  |                |  |                      |  | CP-1654               |
|                 |               |                   |  |                |  |                      |  | SHEET NUMBER          |
|                 |               |                   |  |                |  |                      |  | 4                     |

# BILL OF MATERIALS

| ITEM | QTY | MANUFACTURER | PART NO.     | DESCRIPTION         |
|------|-----|--------------|--------------|---------------------|
| 1    | 1   | VYNCKIER     | VJ1816HWPLDF | ENCLOSURE           |
| 1a   | 1   | VYNCKIER     | MP1816AL     | BACKPLATE           |
| 2    | 2   | ABB          | A16-30-10-84 | MOTOR STARTER       |
| 3    | 2   | ABB          | TA25DU19     | O.L. RELAY (13-19A) |
| 4    | 2   | SQUARE D     | QOU230       | CB1, CB2            |
| 5    | 1   | TIMEMARK     | 261DT120     | ALTERNATING RELAY   |
| 6    | 4   | ACI          | JR22FR       | RED PILOT LIGHT     |
| 7    | 2   | ACI          | JR22P3M20B   | HOA SWITCH          |
| 8    | 1   | AC/DC        | BL5-R-120    | ALARM LIGHT         |
| 9    | 1   | CH           | CHSA01       | LIGHTNING ARRESTER  |
| 10   | 1   | ABB          | OT63E3       | DISCONNECT SWITCH   |
| 11   | 2   | GRASSLIN     | UWZ52E       | ETM 1,2             |
| 12   | 1   | MARATHON     | 1321580      | DISTRIBUTION BLOCK  |
| 13   |     |              |              |                     |
| 14   |     |              |              |                     |
| 15   |     |              |              |                     |
| 16   |     |              |              |                     |
| 17   |     |              |              |                     |
| 18   |     |              |              |                     |
| 19   |     |              |              |                     |
| 20   |     |              |              |                     |
| 21   |     |              |              |                     |
| 22   |     |              |              |                     |
| 23   |     |              |              |                     |
| 24   |     |              |              |                     |
| 25   |     |              |              |                     |

|                 |   |   |                               |   |  |     |   |
|-----------------|---|---|-------------------------------|---|--|-----|---|
|                 | Drawing Title                                 |   |                               |   |  |     |   |
|                 | <h2 style="margin: 0;">BILL OF MATERIALS</h2> |   |                               |   |  |     |   |
|                 |   |   |                               |   |  |     |   |
| DATE<br>9/10/03 |   | REFERENCE DRAWING<br>S/N  | NO.<br>Sales Engineer<br>C.C. | REVISION-LOCATION<br>Application Engineer<br>R.C. | DRAWN<br>BY C. RACHAL  | ECN | DATE  |
|                 | Project Title                                 | <div style="border-top: 3px double black; border-bottom: 3px double black; padding: 5px 0;"> <h1 style="margin: 0;">COX</h1> <p style="margin: 0;">Research and Technology, Inc.</p> </div> |                               |   | P.O. Box 77808<br>Baton Rouge, LA<br>70809<br><br>Ph. (225)756-3271<br>Fax (225)756-1030 |     | PURCHASE ORDER NUMBER<br><br>DRAWING NUMBER<br>CP-1654<br>SHEET NUMBER<br><div style="text-align: right;">5</div> |
|                 | DUPLEX PUMP<br>CONTROL PANEL                  |   |                               |   |  |     |   |