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COX

Research and Technology, Inc.

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BLOWER/PUMP  
CONTROL PANEL  
VOLUTE INC.  
BAYOU BOEUF ELEMENTARY

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

CP-1853

|                                  |                      |  |
|----------------------------------|----------------------|--|
| VOLTAGE                          | <u>120/240V</u>      | (480V, 277/480V, 240V, 120/240V, 208V, 120/208V) |
| PHASE/HZ                         | <u>3/60</u>          |  |
| NO. MOTORS                       | <u>2, 1</u>          |  |
| HP                               | <u>3, 1/2</u>        |  |
| FLA                              | <u>9.6, 9.4</u>      |  |
| TYPE OF PUMP                     | <u>Blower, Pump</u>  | (Self-Priming, Submersible)                      |
| MANUFACTURER                     |                      |  |
| CATALOG NUMBER                   | <u>EHV412 (PUMP)</u> |  |
|                                  |                      |  |
| CONTROL VOLTAGE                  | <u>120V</u>          | (120V, Other)                                    |
| ENCLOSURE                        | <u>NEMA 4X</u>       | (NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)               |
| ENCLOSURE MATERIAL               | <u>Fiberglass</u>    | (Painted Steel, Stainless Steel, Fiberglass)     |
| CONTROL SENSOR                   |                      | (Floats, Bubbler, Other)                         |
| CAPACITORS                       |                      | (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                 |  | (Self-Primer, Submersible) |
| ALARM HORN                       |  |                            |
| ALARM LIGHT                      |  |                            |
| LIGHT PANEL MTD                  |  |                            |
| 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                  |  |                            |

SOLD TO: Delta Process Equipment, Inc.

TAG : VOLUTE INC.

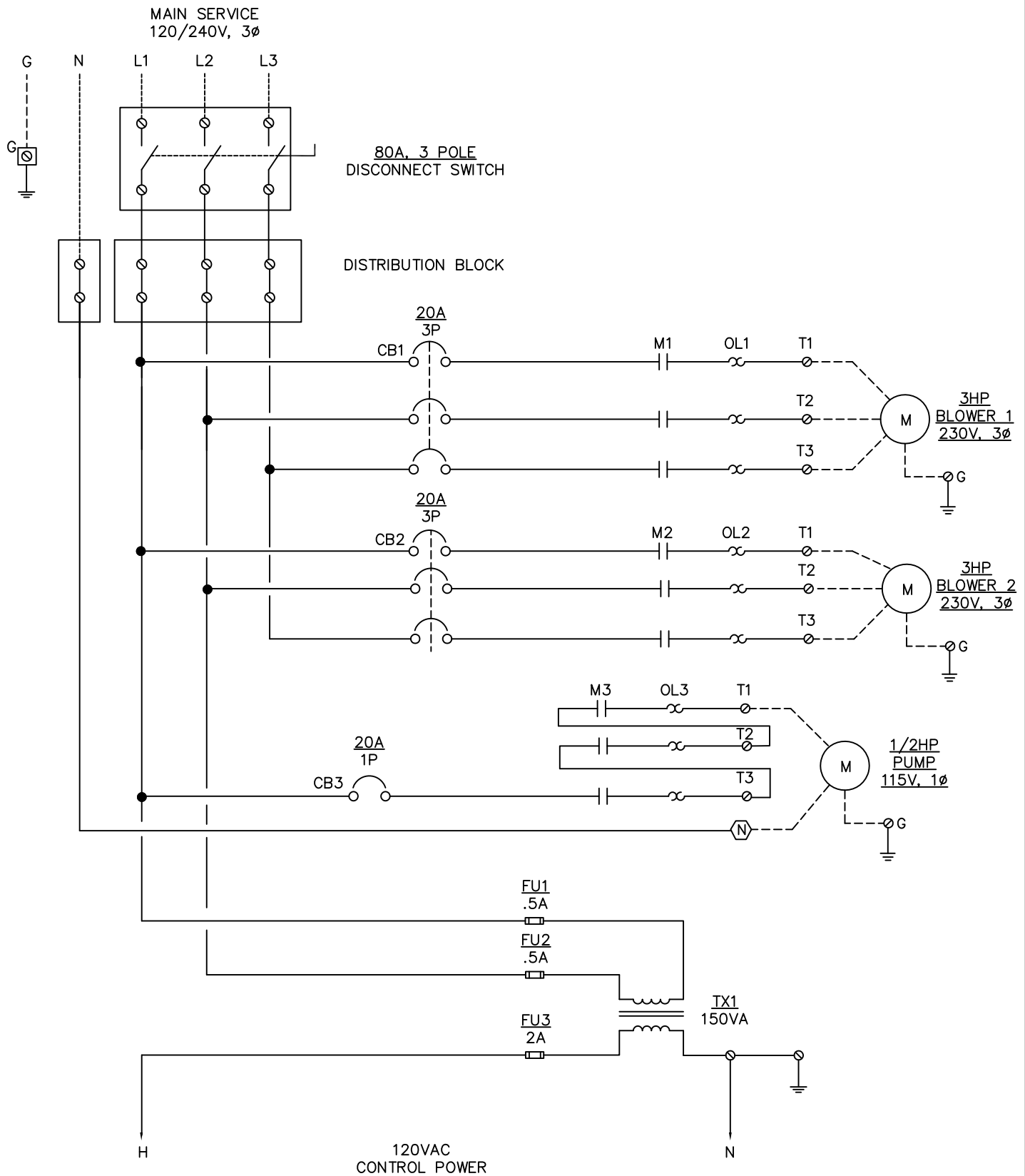
BAYOU BOEUF ELEMENTARY

SHIP TO: Delta Process Equipment, Inc. - Ruston, LA

|                 |                                |  |                               |   |  |     |                           |
|-----------------|--------------------------------|--|-------------------------------|---|--|-----|---------------------------|
|                 | Drawing Title                  |  |                               |   |  |     |                           |
|                 | PANEL DESCRIPTION              |  |                               |   |  |     |                           |
|                 |                                |  |                               |   |  |     |                           |
| DATE<br>7/16/04 |                                | 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="text-align: center;"> <b>COX</b><br/> Research and Technology, Inc. </div> |                               |   | P.O. Box 77808<br>Baton Rouge, LA<br>70809 |     | PURCHASE ORDER NUMBER     |
|                 | DUPLEX BLOWER<br>CONTROL PANEL |  |                               |   | Ph. (225)756-3271<br>Fax (225)756-1030     |     | DRAWING NUMBER<br>CP-1853 |
|                 |                                |  |                               |   |  |     | SHEET NUMBER<br>1         |



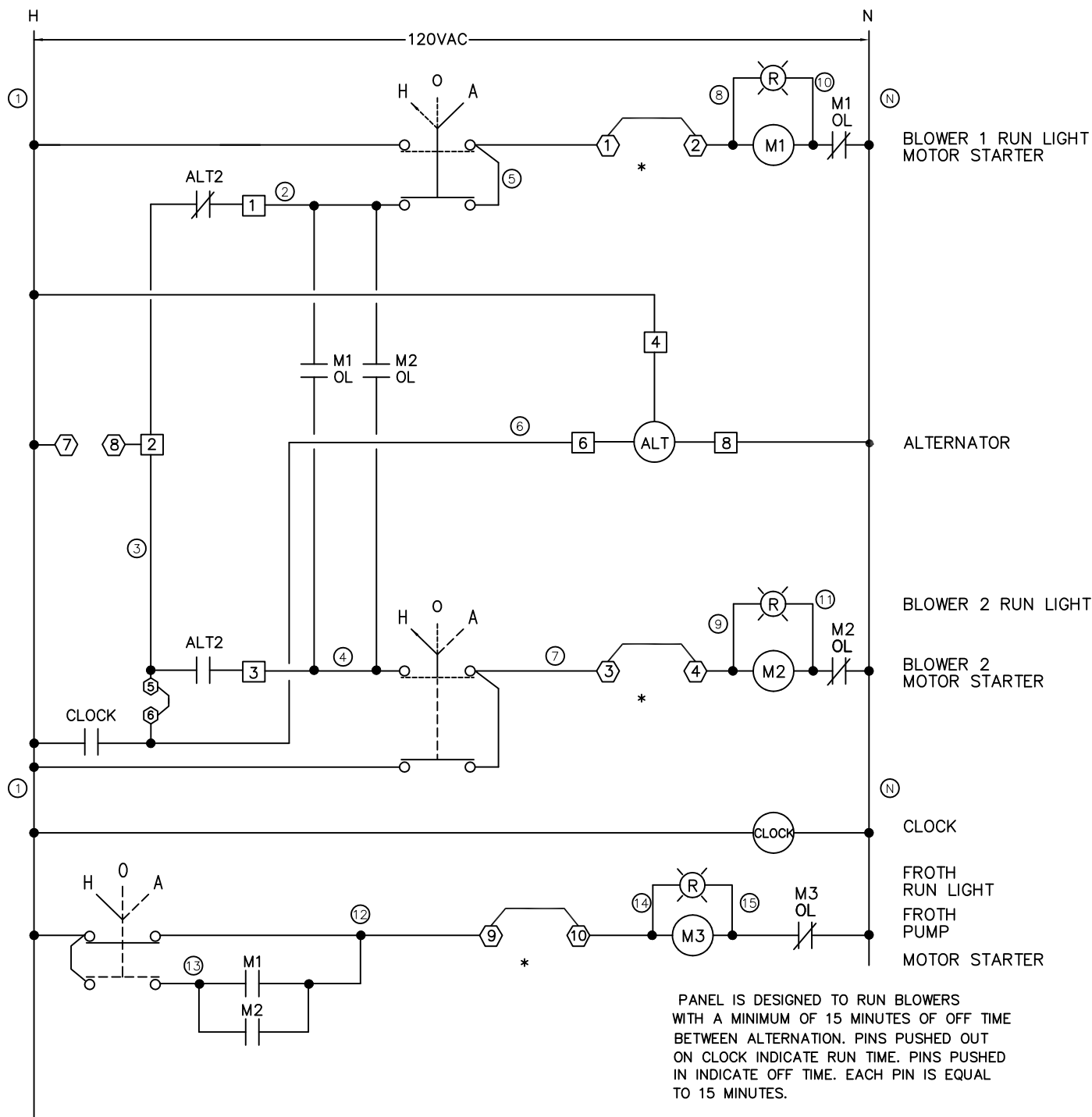
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|-----------------|--------------------------------|-------------------|------------------------|------------------------------|--------------|----------|----|---------------------------|---|
|                 | Drawing Title                  |                   |                        |                              |              |          |    |                           |   |
|                 | POWER DIAGRAM                  |                   |                        |                              |              |          |    |                           |   |
| DATE<br>7/16/04 |                                | 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 BLOWER<br>CONTROL PANEL |                   |                        |                              |              |          |    | DRAWING NUMBER<br>CP-1853 |   |
|                 |                                |                   |                        |                              |              |          |    | SHEET NUMBER              | 2 |

**COX**

Research and Technology, Inc.

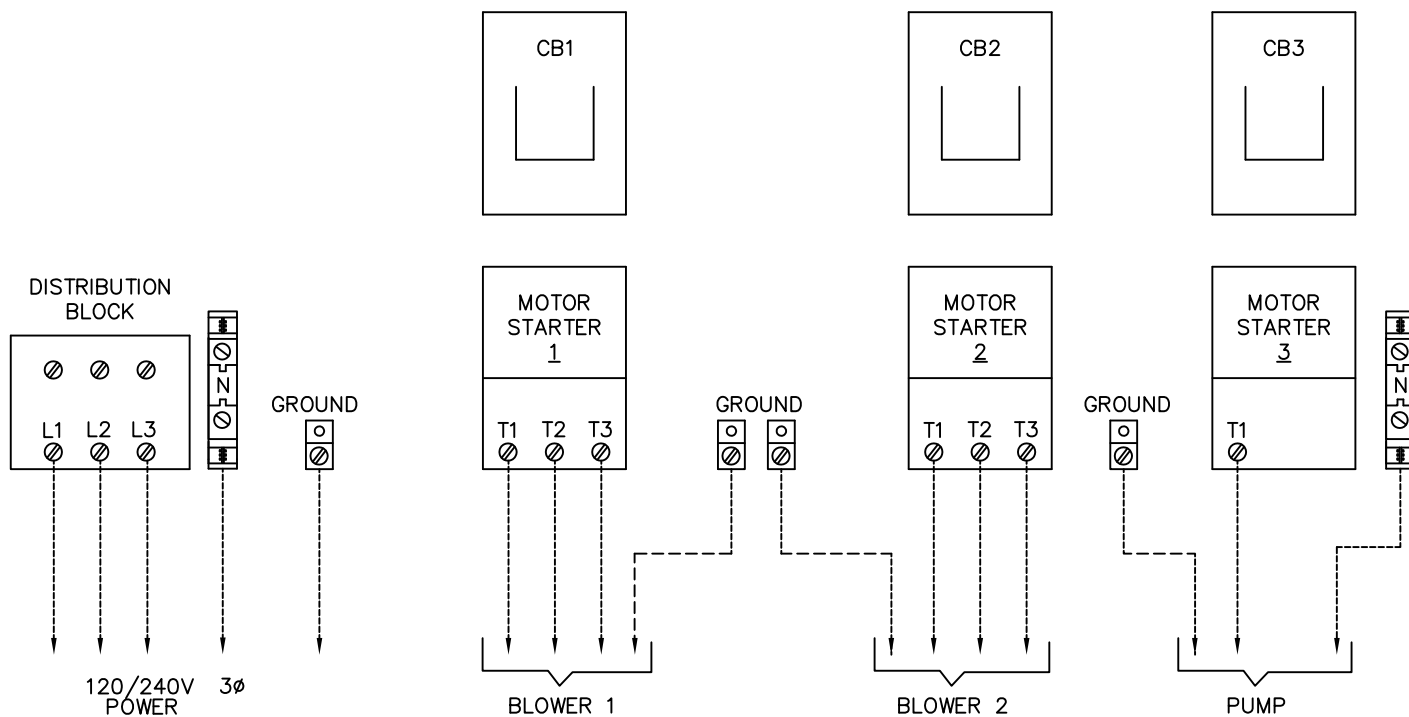
P.O. Box 77808  
Baton Rouge, LA  
70809

Ph. (225)756-3271  
Fax (225)756-1030



\* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

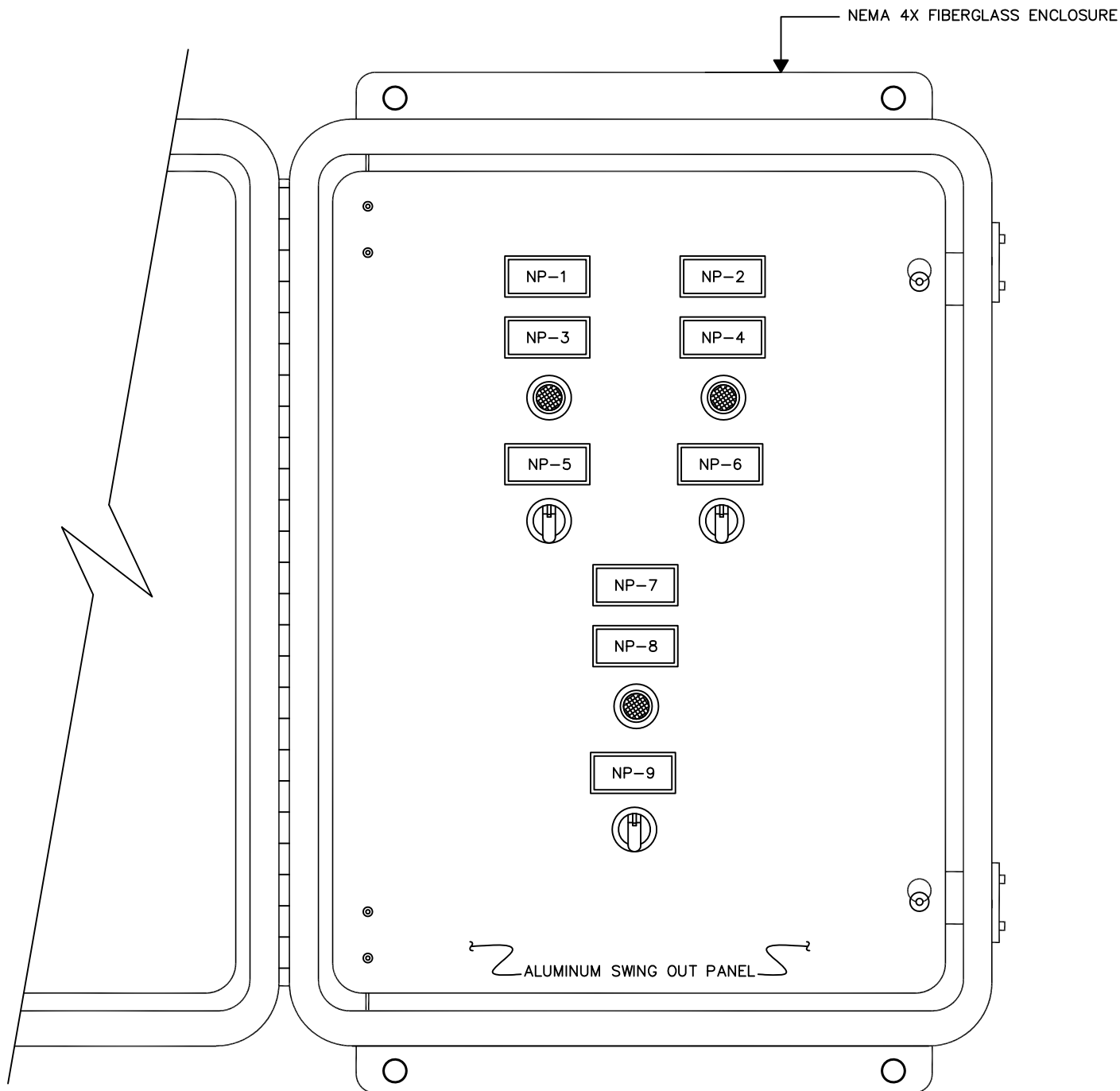
|                                |                   |  |                        |                           |                              |      |      |
|--------------------------------|-------------------|--|------------------------|---------------------------|------------------------------|------|------|
| Drawing Title                  |                   |  |                        |                           |                              |      |      |
| CONTROL DIAGRAM                |                   |  |                        |                           |                              |      |      |
| DATE<br>7/16/04                | REFERENCE DRAWING |  | NO.                    |                           | REVISION-LOCATION            |      | ECN  |
|                                | S/N               |  | Sales Engineer<br>C.C. |                           | Application Engineer<br>R.C. |      | DATE |
| Project Title                  |                   | DRAWN                                      |                        | APPROVED                  |                              | BY   |      |
| DUPLIX BLOWER<br>CONTROL PANEL |                   | BY C. RACHAL                               |                        | BY                        |                              | DATE |      |
|                                |                   | P.O. Box 77808<br>Baton Rouge, LA<br>70809 |                        | PURCHASE ORDER NUMBER     |                              |      |      |
|                                |                   | Ph. (225)756-3271<br>Fax (225)756-1030     |                        | DRAWING NUMBER<br>CP-1853 |                              |      |      |
|                                |                   |  |                        | SHEET NUMBER              |                              | 3    |      |



REMOVE JUMPERS & INSTALL  
LOCKOUT DEVICES IF REQUIRED

IF NO OFF TIME IS REQUIRED BETWEEN  
ALTERNATION, REMOVE JUMPER FROM  
TERMINALS ⑤ AND ⑥. PLACE JUMPER ACROSS  
TERMINALS ⑦ AND ⑧. NOW BLOWERS WILL RUN  
CONTINUOUSLY. SET 1 PIN IN AT THE TIME YOU  
WISH THE BLOWERS TO ALTERNATE.  
ALL REMAINING PINS SHOULD BE PUSHED OUT.

|         |                                |   |                        |                              |  |                |         |      |
|---------|--------------------------------|---|------------------------|------------------------------|--|----------------|---------|------|
|         | Drawing Title                  |   |                        |                              |  |                |         |      |
|         | EXTERNAL CONNECTIONS           |   |                        |                              |  |                |         |      |
| DATE    |                                | REFERENCE DRAWING                                       | NO.                    | REVISION-LOCATION            | ECN  | DATE           | BY      |      |
| 7/16/04 |                                | S/N   | Sales Engineer<br>C.C. | Application Engineer<br>R.C. | BY C. RACHAL                               | APPROVED       | BY      | DATE |
|         | Project Title                  |   |                        |                              | PURCHASE ORDER NUMBER                      |                |         |      |
|         | DUPLEX BLOWER<br>CONTROL PANEL | <div>COX</div> <div>Research and Technology, Inc.</div> |                        |                              | P.O. Box 77808<br>Baton Rouge, LA<br>70809 | DRAWING NUMBER | CP-1853 |      |
|         |                                |   |                        |                              | Ph. (225)756-3271<br>Fax (225)756-1030     | SHEET NUMBER   | 4       |      |



VIEW OF SWING PANEL

NAMEPLATE SCHEDULE

**NOTE:**  
SEWER GASSES WILL DESTROY COMPONENTS IN PANEL.  
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE  
PANEL TO PREVENT ENTRY OF GASSES.

NP-1 BLOWER 1  
NP-2 BLOWER 2  
NP-3 RUN  
NP-4 RUN  
NP-5 HOA  
NP-6 HOA  
NP-7 FROTH PUMP  
NP-8 RUN  
NP-9 HOA

|                 |   |                   |  |                |  |                      |  |                       |      |
|-----------------|---|-------------------|--|----------------|--|----------------------|--|-----------------------|------|
| DATE<br>7/16/04 | Drawing Title                                       |                   |  |                |  |                      |  |                       |      |
|                 | ENCLOSURE   |                   |  |                |  |                      |  |                       |      |
|                 |   |                   |  |                |  |                      |  |                       |      |
|                 |   |                   |  |                |  |                      |  |                       |      |
|                 | Project Title<br><br>DUPLEX BLOWER<br>CONTROL PANEL | REFERENCE DRAWING |  | NO.            |  | REVISION-LOCATION    |  | ECN                   | DATE |
|                 |   | S/N               |  | Sales Engineer |  | Application Engineer |  | BY                    | DATE |
|                 |   |                   |  | C.C.           |  | R.C.                 |  | BY                    | DATE |
|                 |   |                   |  |                |  | DRAWN                |  | BY                    | DATE |
|                 |   |                   |  |                |  | C. RACHAL            |  | BY                    | DATE |
|                 |   |                   |  |                |  |                      |  | PURCHASE ORDER NUMBER |      |
|                 |   |                   |  |                |  |                      |  | DRAWING NUMBER        |      |
|                 |   |                   |  |                |  |                      |  | CP-1853               |      |
|                 |   |                   |  |                |  |                      |  | SHEET NUMBER          |      |
|                 |   |                   |  |                |  |                      |  | 5                     |      |

# BILL OF MATERIAL

| ITEM | QTY | MANUFACTURER | PART NO.     | DESCRIPTION         |
|------|-----|--------------|--------------|---------------------|
| 1    | 1   | STAHLIN      | RJ1816HWPLDF | ENCLOSURE           |
| 2    | 1   | STAHLIN      | BP1816AL     | BACKPLATE           |
| 3    | 3   | ABB          | A16-30-10-84 | STARTER 1,2         |
| 4    | 3   | ABB          | TA25DU11     | O.L. (7.5-11A)      |
| 5    | 2   | SQUARE D     | QOU320       | CIRCUIT BREAKER 1,2 |
| 6    | 1   | MARATHON     | 1323580      | DISTRIBUTION BLOCK  |
| 7    | 3   | ACI          | JR22P3M20B   | H.O.A. SWITCH       |
| 8    | 3   | ACI          | JR22FR       | RED PILOT LIGHTS    |
| 9    | 1   | TIMEMARK     | 261DT120     | ALTERNATING RELAY   |
| 10   | 1   | ABB          | T4150PSF-1   | TRANSFORMER         |
| 11   | 1   | GRASSLIN     | FM/1STUZZ    | TIMER               |
| 12   | 1   | SQUARE D     | QOU120       | CB3                 |
| 9    | 1   | MARATHON     | 1321580      | NEUTRAL BLOCK       |
| 10   | 1   | ABB          | OT63E3       | DISCONNECT SWITCH   |
| 11   |     |              |              |                     |
| 12   |     |              |              |                     |

|                 |   |   |                        |                              |  |                |  |
|-----------------|---|---|------------------------|------------------------------|--|----------------|--|
|                 | Drawing Title                                 |   |                        |                              |  |                |  |
|                 | <h2 style="margin: 0;">BILL OF MATERIALS</h2> |   |                        |                              |  |                |  |
|                 |   |   |                        |                              |  |                |  |
| DATE<br>7/16/04 |   | REFERENCE DRAWING   | NO.                    | REVISION-LOCATION            | ECN  | DATE           | BY   |
|                 |   | S/N   | Sales Engineer<br>C.C. | Application Engineer<br>R.C. | DRAWN<br>BY C. RACHAL  | APPROVED<br>BY | DATE   |
|                 | Project Title                                 | <div style="border-top: 3px double black; border-bottom: 3px double black; padding: 5px;"> <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><div style="text-align: right;">CP-1853</div> SHEET NUMBER<br><div style="text-align: right;">6</div> |
|                 | DUPLEX BLOWER<br>CONTROL PANEL                |   |                        |                              |  |                |  |