
COX

Research and Technology, Inc.

DUPLEX BLOWER/ DUPLEX PUMP CONTROL PANEL CHIMP HAVEN

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

| | | |
|----------------------------------|-------------------------|--|
| VOLTAGE | 277/480V | (480V, 277/480V, 240V, 120/240V, 208V, 120/208V) |
| PHASE/HZ | 3/60 | |
| NO. MOTORS | 2/2 | |
| HP | 2/3 | |
| FLA | 4/4.8 | |
| TYPE OF PUMP | Submersible/Blower | (Self-Priming, Submersible) |
| MANUFACTURER | Barnes/Houston Armature | |
| CATALOG NUMBER | SGVH2042L/ | |
| 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 | | |

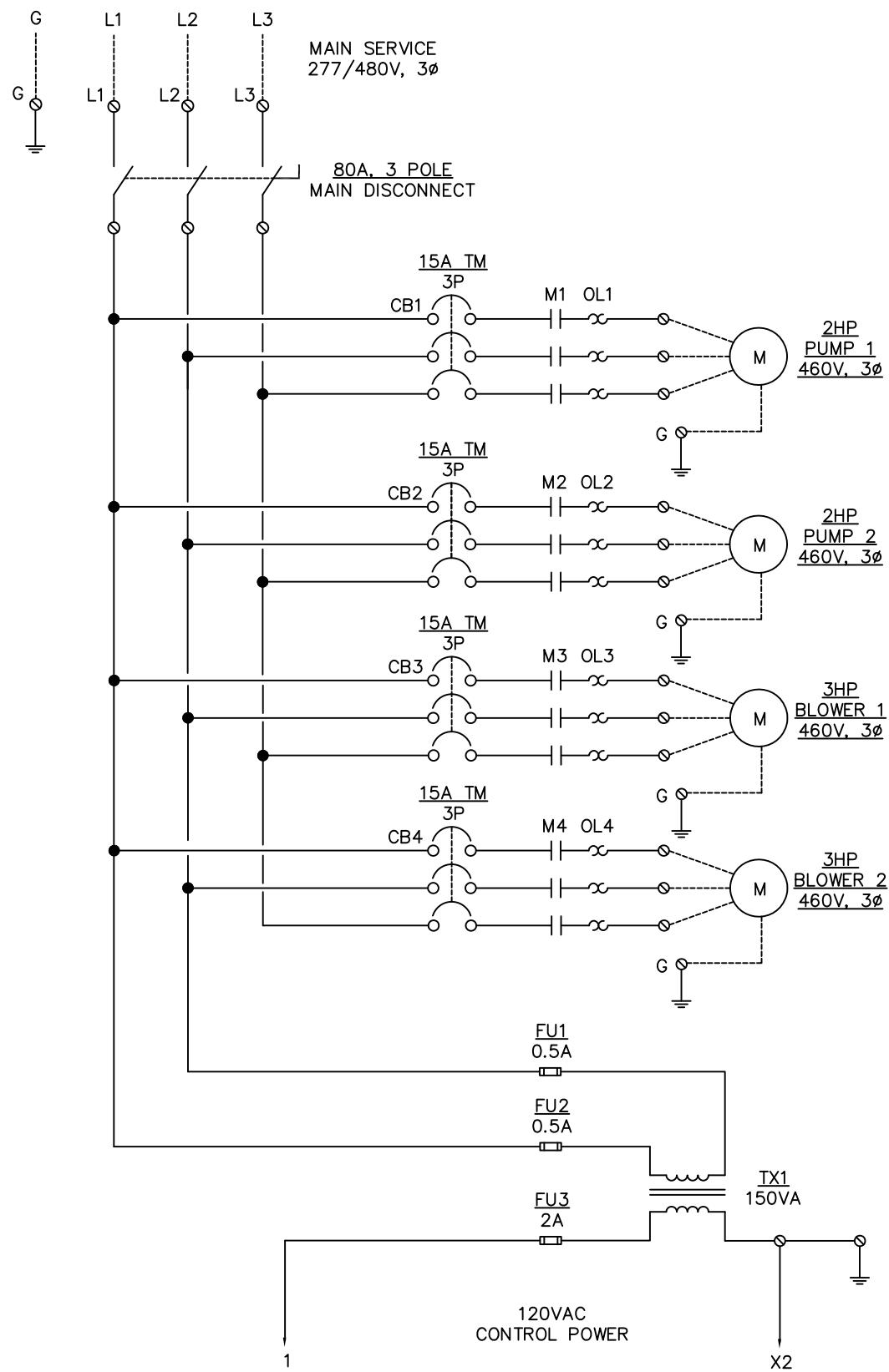
OPTIONS:

| | | |
|----------------------------------|---|----------------------------|
| SEAL FAIL LIGHTS | X | (Submersible Only) |
| SEAL FAIL RELAYS | 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 | | |
| 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 | | |

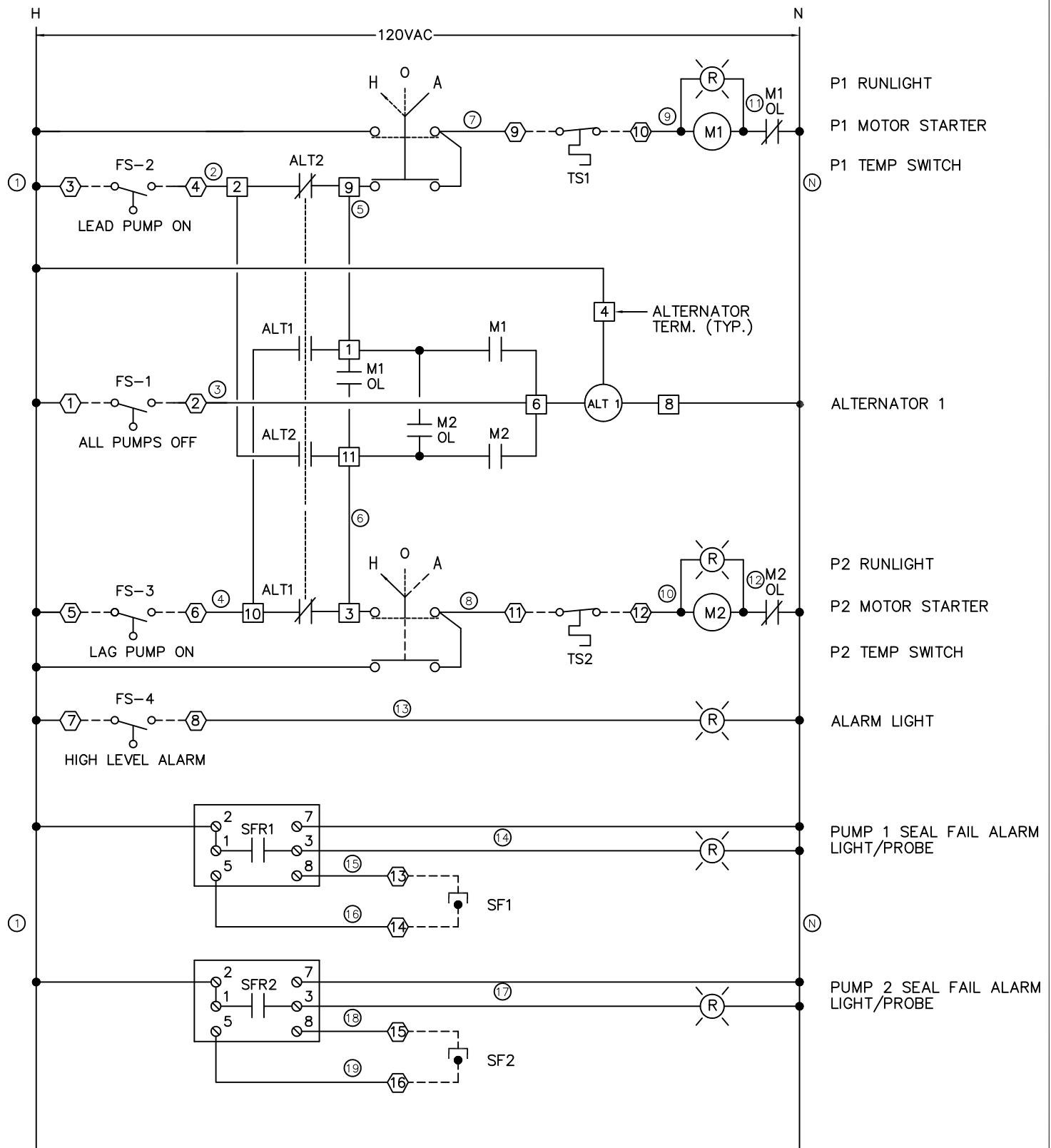
SOLD TO: Delta Process - Denham Springs, LA
TAG : Chimp Haven

SHIP TO: Delta Process - Denham Springs, LA

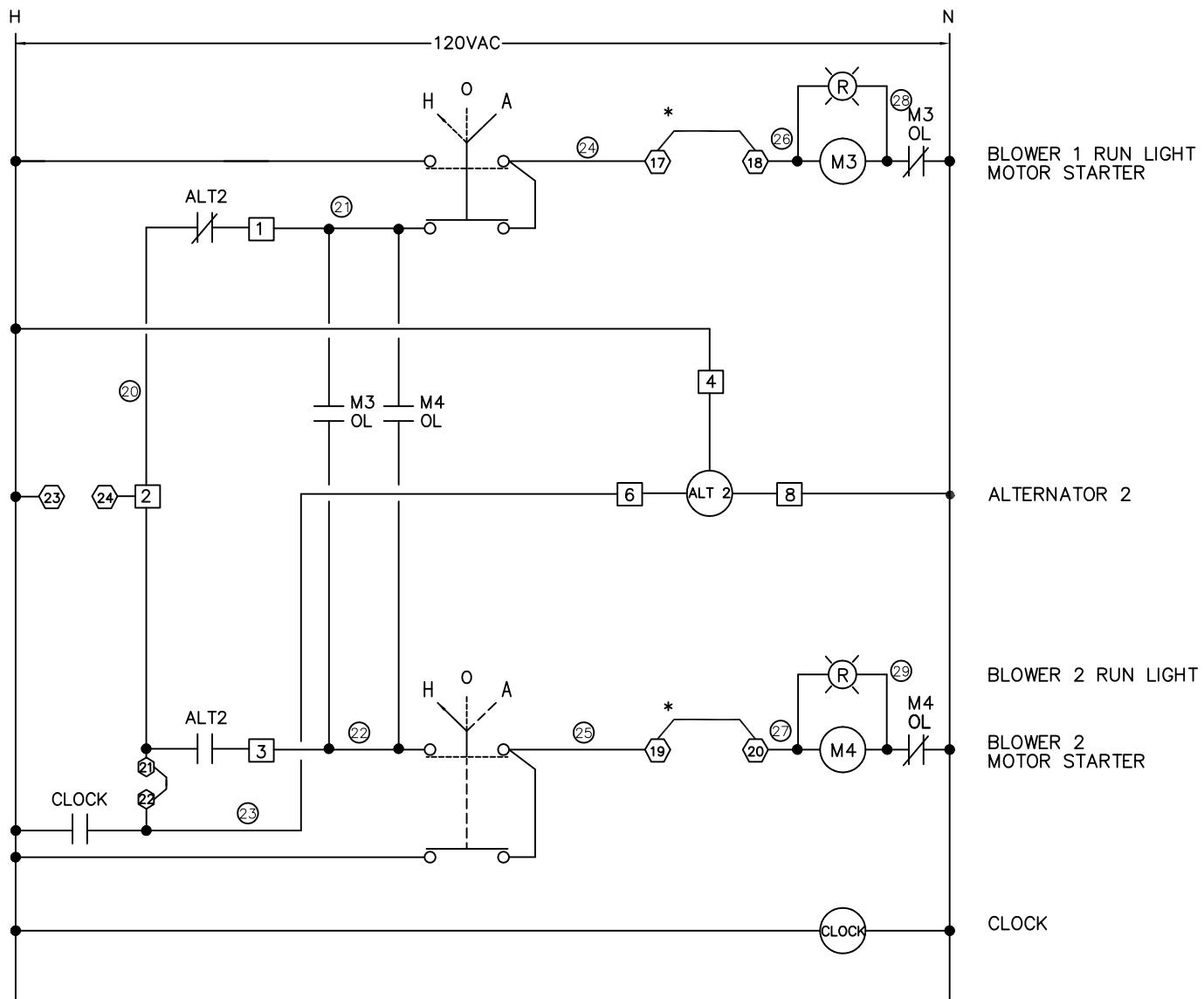
| Drawing Title | PANEL DESCRIPTION | REFERENCE DRAWING | | NO. | REVISION-LOCATION | | ECN | DATE | BY |
|------------------|--|-------------------|----------------|----------------------|--|--------------|-----------------------|----------|------|
| | | S/N | Sales Engineer | Application Engineer | DRAWN | BY C. RACHAL | BY | APPROVED | DATE |
| DATE 03/01/04 | Project Title DUPLEX BLOWER/ DUPLEX PUMP CONTROL PANEL | | | | P.O. Box 77808 Baton Rouge, LA 70809 | | PURCHASE ORDER NUMBER | | |
| | | | | | Ph. (225)756-3271 Fax (225)756-1030 | | DRAWING NUMBER | CP-1730 | |
| | | | | | | | SHEET NUMBER | | 1 |



| | | | | | | |
|---|--------------------------------------|--|---|-----|-----------------------------|----|
| | Drawing Title | | | | | |
| | POWER DIAGRAM | | | | | |
| DATE 03/01/04 | REFERENCE DRAWING S/N | NO. C.C. | REVISION-LOCATION DRAWN BY C. RACHAL | ECN | DATE APPROVED BY DATE | BY |
| Project Title DUPLEX BLOWER/ 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-1730 SHEET NUMBER 2 | | | |



| | | | | | |
|------------------|---|------------------------------|--------------------------------------|--|---|
| | Drawing Title CONTROL DIAGRAM | | | | |
| | | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION DRAWN BY C. RACHAL | ECN APPROVED BY DATE |
| DATE 03/01/04 | | Application Engineer R.C. | | | |
| | Project Title DUPLEX BLOWER/ 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-1730 SHEET NUMBER 3 |

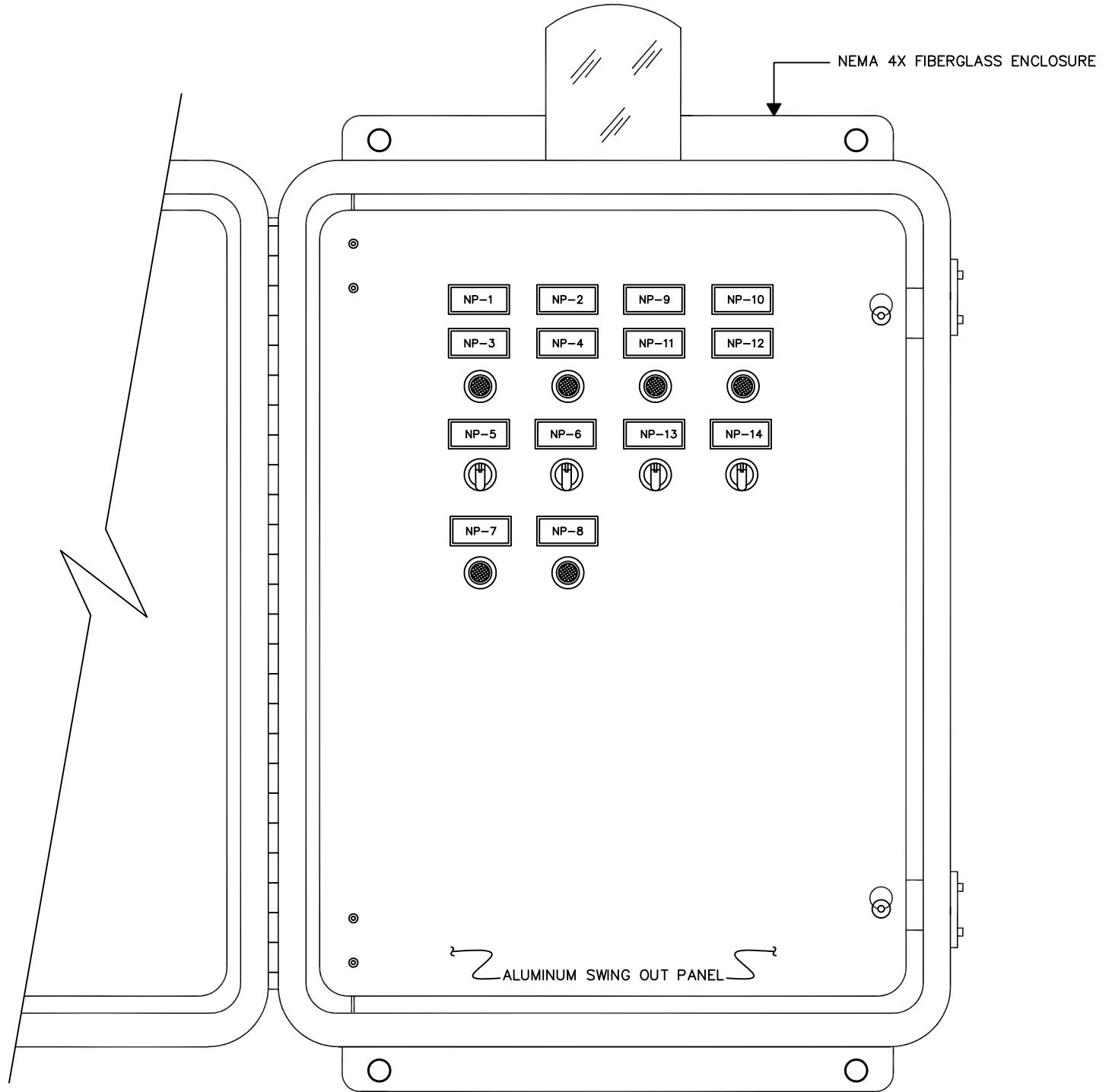


PANEL IS DESIGNED TO RUN AERATORS WITH A MINIMUM OF 15 MINUTES OF OFF TIME BETWEEN ALTERNATION. PINS PUSHED OUT ON CLOCK INDICATE RUN TIME. PINS PUSHED IN INDICATE OFF TIME. EACH PIN IS EQUAL TO 15 MINUTES.

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

* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

| | Drawing Title | | | | | | | |
|------------------|--|--|---|--|--|--|---|-----------------------------|
| | CONTROL DIAGRAM | | | | | | | |
| DATE 03/01/04 | REFERENCE DRAWING S/N | | NO. Sales Engineer C.C. | | REVISION-LOCATION DRAWN Application Engineer R.C. BY C. RACHAL | | ECN | DATE APPROVED BY DATE |
| | Project Title DUPLEX BLOWER/ 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-1730 SHEET NUMBER 4 | |



VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

| | | | |
|------|-----------|-------|----------|
| NP-1 | PUMP 1 | NP-9 | BLOWER 1 |
| NP-2 | PUMP 2 | NP-10 | BLOWER 2 |
| NP-3 | RUN | NP-11 | RUN |
| NP-4 | RUN | NP-12 | RUN |
| NP-5 | HOA | NP-13 | HOA |
| NP-6 | HOA | NP-14 | 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 | | | | | |
| | | REFERENCE DRAWING | NO. | REVISION-LOCATION | ECN | DATE BY |
| DATE 03/01/04 | S/N | Sales Engineer | Application Engineer | DRAWN | APPROVED | |
| | | C.C. | R.C. | BY C. RACHAL | BY DATE | |
| | Project Title | <hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc. <hr/> <hr/> | | P.O. Box 77808 Baton Rouge, LA 70809 | PURCHASE ORDER NUMBER | |
| | DUPLEX BLOWER/ DUPLEX PUMP CONTROL PANEL | | | Ph. (225)756-3271 Fax (225)756-1030 | DRAWING NUMBER CP-1730 | |
| | | | | | SHEET NUMBER 5 | |

BILL OF MATERIALS

| ITEM | QTY | MANUFACTURER | PART NO. | DESCRIPTION |
|------|-----|--------------|--------------|-----------------------|
| 1 | 1 | ALLIED | AM24200RL | ENCLOSURE |
| 1a | 1 | ALLIED | A2420P | BACKPLATE |
| 2 | 1 | ABB | OT63E3 | MAIN DISC. SWITCH |
| 3 | 4 | ABB | A16-30-11-84 | MOTOR STARTER |
| 4 | 4 | ABB | TA25DU5.0 | O.L. RELAY (3.5-5.0A) |
| 5 | 4 | ABB | S1NO15TL | CB1, CB2 |
| 6 | 1 | SQUARE D | 9070TF150D1 | TRANSFORMER |
| 7 | 2 | TIMEMARK | 261DT120 | ALTERNATING RELAY |
| 8 | 6 | ACI | JR22FR | RED PILOT LIGHT |
| 9 | 4 | ACI | JR22P3M20B | HOA SWITCH |
| 10 | 1 | AC/DC | BL5-R-120 | ALARM LIGHT |
| 11 | 2 | SSAC | LLC54AA | SEAL FAIL RELAY |
| 12 | 1 | GRASSLIN | FM1/STUZL | CLOCK |
| 13 | | | | |
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|------------------|---|--------------------------------------|--|-----|---|--|--|
| | Drawing Title | | | | | | |
| | BILL OF MATERIALS | | | | | | |
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| | | | | | CP-1730 | | |
| | | | | | 6 | | |