
COX

Research and Technology, Inc.

DUPLEX BLOWER CONTROL PANEL BEAU CHENE WWTP

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

| | | |
|----------------------------------|-----------------|--|
| VOLTAGE | 480V | (480V, 277/480V, 240V, 120/240V, 208V, 120/208V) |
| PHASE/HZ | 3/60 | |
| NO. MOTORS | 2 | |
| HP | 25 | |
| FLA | 34 | |
| TYPE OF PUMP | Blower | (Self-Priming, Submersible) |
| MANUFACTURER | | |
| CATALOG NUMBER | | |
| CONTROL VOLTAGE | 120V | (120V, Other) |
| ENCLOSURE | NEMA 3R | (NEMA 1, NEMA 3R, NEMA 4, NEMA 4X) |
| ENCLOSURE MATERIAL | Stainless Steel | (Painted Steel, Stainless Steel, Fiberglass) |
| CONTROL SENSOR | Clock | (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 | X | |
| ELAPSED TIME METER | X | |
| PHASE MONITOR | X | |
| NEMA RATED STARTERS | X ABB | |
| GROUND FAULT RECPT. | | |
| GREEN RUN LIGHTS VS. RED | | |
| POLE, BOX, SEAL | | |
| INTRINSICALLY SAFE RELAYS | | |
| HIGH TEMP. LOCKOUT, MANUAL RESET | | |
| ECONOMY VERSION | | |

SOLD TO: ENVIRONMENTAL CONSTRUCTION CORP.
TAG : BEAU CHENE WWTP

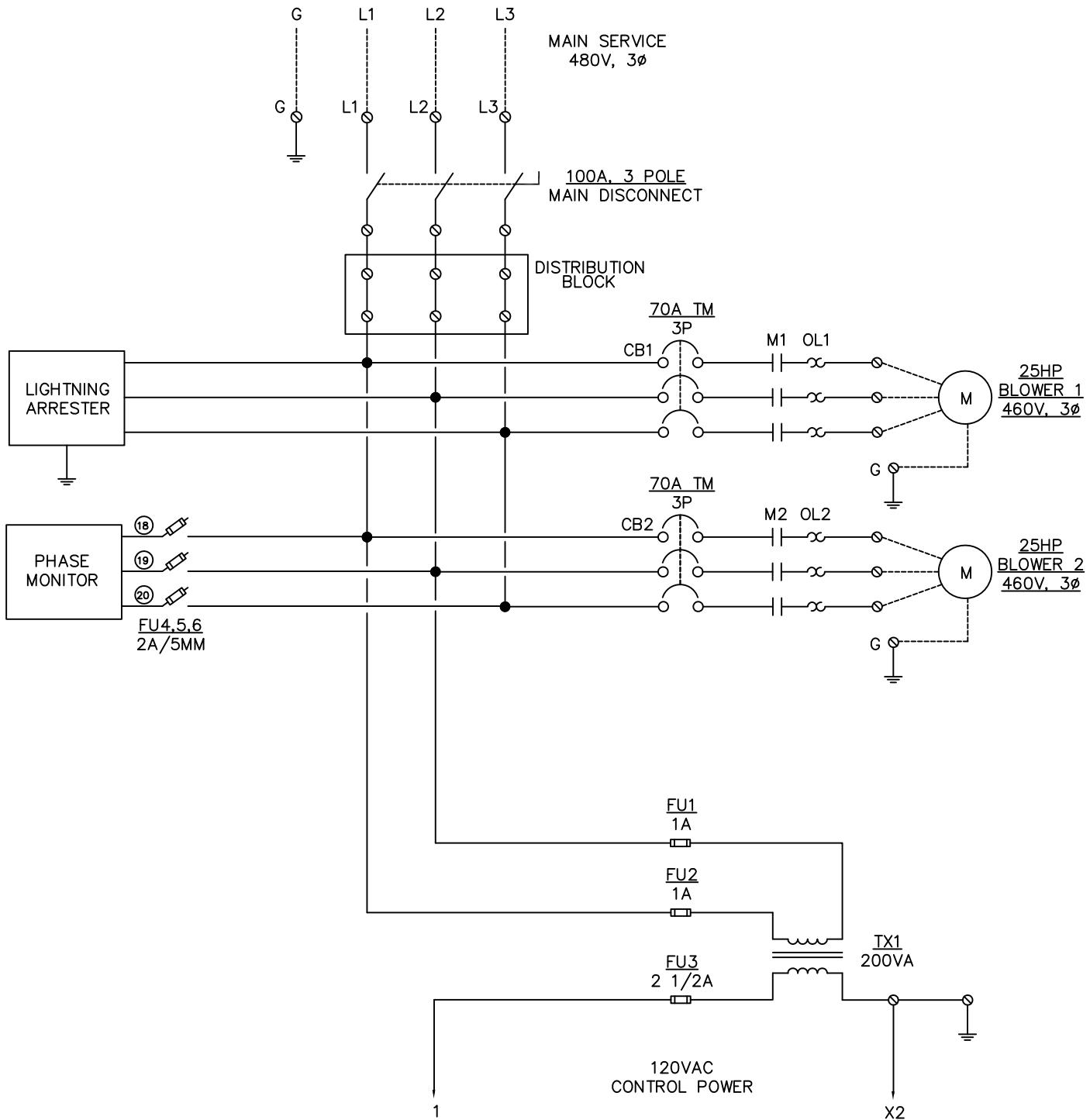
SHIP TO: PASS CHRISTIAN, MS

| 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 6/23/03 | Project Title DUPLEX BLOWER CONTROL PANEL | | | | | | | | |
| | | | | | | | | | |

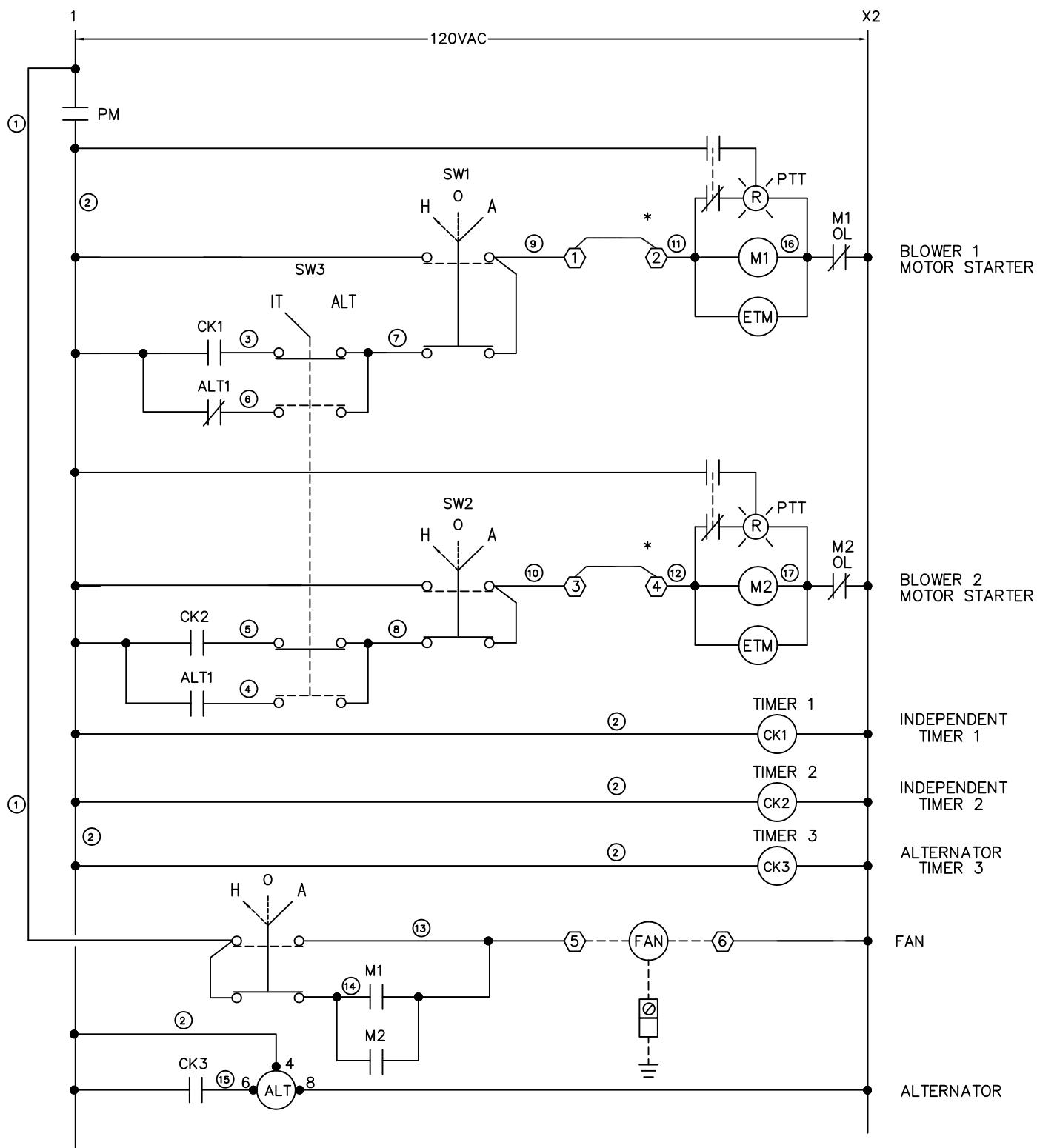
COX
Research and Technology, Inc.

P.O. Box 77808
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70809
Ph. (225)756-3271
Fax (225)756-1030

| |
|---------------------------|
| PURCHASE ORDER NUMBER |
| DRAWING NUMBER CP-1591 |
| SHEET NUMBER 1 |



| | | | | | |
|-----------------|---|---|--|---|----------------------------|
| | Drawing Title POWER DIAGRAM | | | | |
| | | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION DRAWN BY C. RACHAL | ECN APPROVED BY DATE |
| DATE 6/23/03 | | Application Engineer R.C. | | | |
| | Project Title DUPLEX BLOWER 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-1591 SHEET NUMBER 2 | |



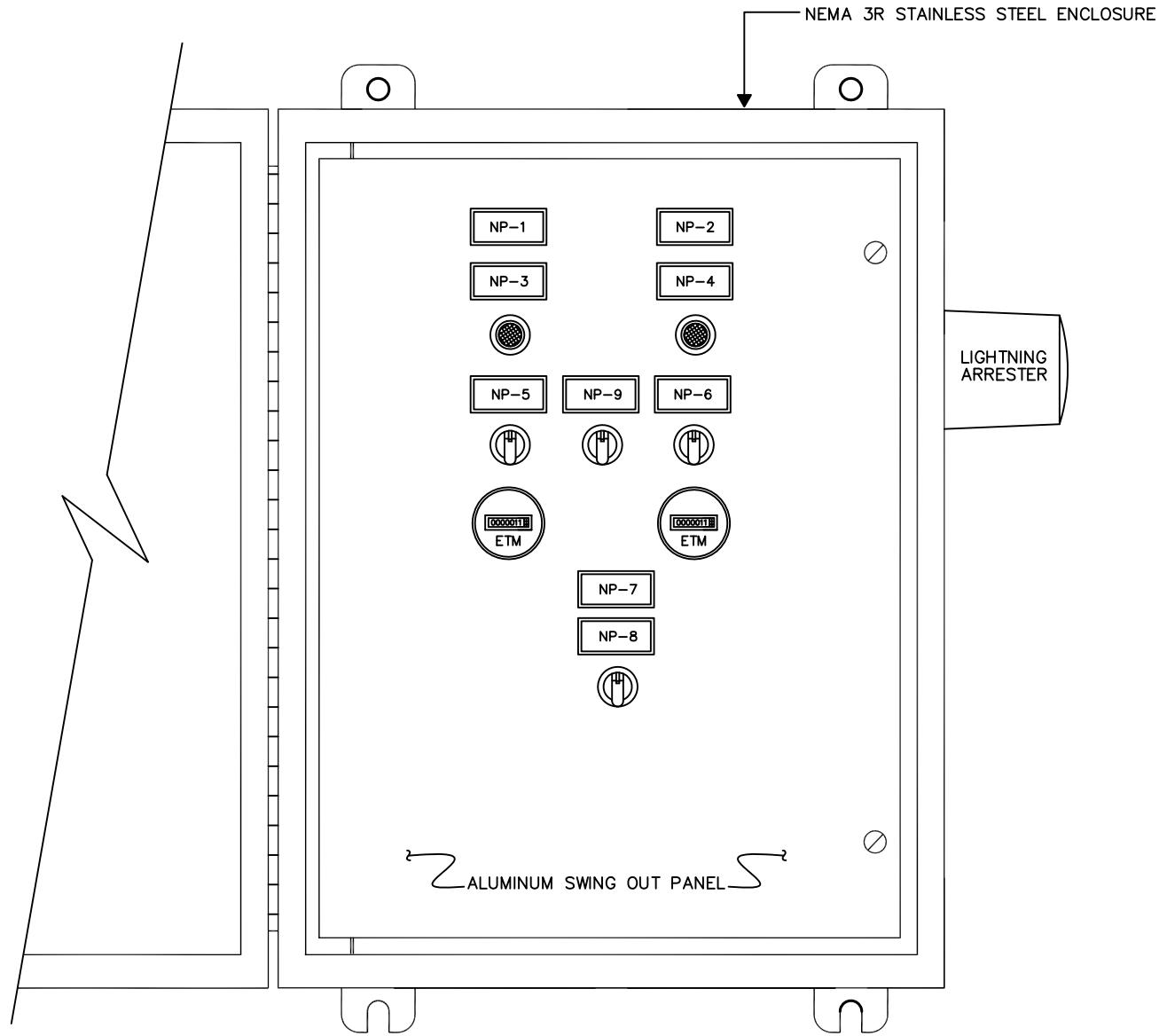
* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

NOTE:

TO OPERATE WITH TIMERS ON EACH BLOWER
SET SW3 TO "CLOCK".

TO OPERATE BLOWERS WITH ALTERNATOR
SET SW3 TO "ALTERNATOR".

| | | | | | | | |
|--|--|-----|---|--|---------------------------|----------------|---------|
| | Drawing Title CONTROL DIAGRAM DATE 6/23/03 | | | | | | |
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| | | | | | | | |
| | | | REFERENCE DRAWING | NO. | REVISION-LOCATION | ECN | DATE BY |
| | | S/N | Sales Engineer C.C. | Application Engineer R.C. | DRAWN BY C. RACHAL | APPROVED BY | DATE |
| | Project Title DUPLEX BLOWER 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-1591 | | |
| | | | | | SHEET NUMBER 3 | | |



VIEW OF SWING OUT PANEL

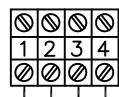
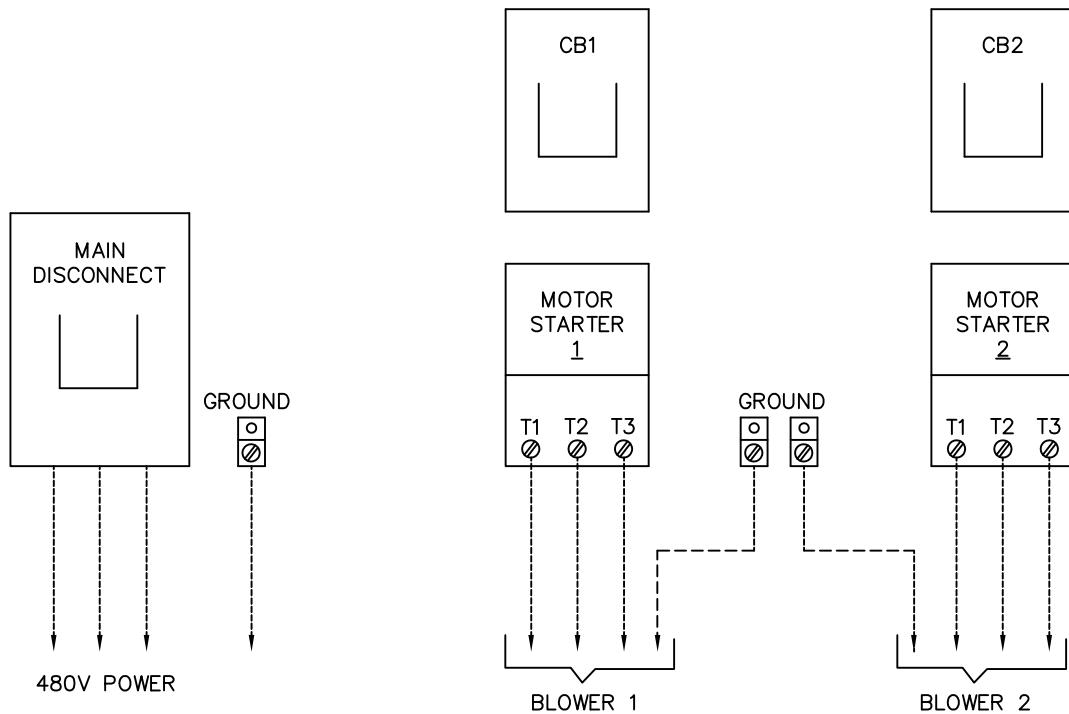
NAMEPLATE SCHEDULE

| | |
|------|------------|
| NP-1 | BLOWER 1 |
| NP-2 | BLOWER 2 |
| NP-3 | RUN |
| NP-4 | RUN |
| NP-5 | HOA |
| NP-6 | HOA |
| NP-7 | FAN |
| NP-8 | HOA |
| NP-9 | CLOCK-ALT. |

NOTE:

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

| | | | | | | |
|-----------------|--------------------------------|----------------|-------------------------------|--|---------------------------|------|
| | Drawing Title | | | | | |
| | ENCLOSURE | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | REFERENCE DRAWING | NO. | REVISION-LOCATION | ECN | DATE | BY |
| DATE 6/23/03 | S/N | Sales Engineer | Application Engineer | DRAWN | APPROVED | |
| | | C.C. | R.C. | BY C. RACHAL | BY | DATE |
| | Project Title | | | P.O. Box 77808 Baton Rouge, LA 70809 | PURCHASE ORDER NUMBER | |
| | DUPLEX BLOWER CONTROL PANEL | | COX | Ph. (225)756-3271 Fax (225)756-1030 | DRAWING NUMBER CP-1591 | |
| | | | Research and Technology, Inc. | | SHEET NUMBER | 4 |



REMOVE JUMPERS & INSTALL
LOCKOUT DEVICES IF REQUIRED

| | | | | | | | |
|--|---|--|----------------|----------------------|--|---------------------------|------|
| | Drawing Title EXTERNAL CONNECTIONS DATE 6/23/03 | | | | | | |
| | | REFERENCE DRAWING | | NO. | REVISION-LOCATION | | ECN |
| | | S/N | Sales Engineer | Application Engineer | DRAWN | APPROVED | |
| | | | C.C. | R.C. | BY C. RACHAL | BY | DATE |
| | Project Title DUPLEX BLOWER CONTROL PANEL | COX Research and Technology, Inc. <hr/> | | | P.O. Box 77808 Baton Rouge, LA 70809 | PURCHASE ORDER NUMBER | |
| | | | | | Ph. (225)756-3271 Fax (225)756-1030 | DRAWING NUMBER CP-1591 | |
| | | | | | | SHEET NUMBER 5 | |

BILL OF MATERIAL

| ITEM | QTY | MANUFACTURER | PART NO. | DESCRIPTION |
|------|-----|--------------|----------------|------------------------------|
| 1 | 1 | EBE | S24208REPL | ENCLOSURE 3R STAINLESS STEEL |
| 1a | 1 | EBE | A2420P | BACKPLATE |
| 1b | 1 | EBE | A2420SP | DEAD FRONT |
| 2 | 1 | ABB | OT100E3 | MAIN DISC. SWITCH |
| 3 | 2 | ABB | S1N070TL | CB1, CB2 |
| 4 | 2 | ABB | A50N2-30-11-84 | MOTOR STARTER |
| 5 | 2 | ABB | TA75DU42 | OVERLOAD (29-42A) |
| 6 | 3 | ACI | JR22P3M20B | HOA SWITCH |
| 7 | 1 | SQUARE D | 9070TF200D1 | CONTROL TRANSFORMER |
| 8 | 1 | CH | CHSA03 | LIGHTNING ARRESTER |
| 9 | 3 | DEIHL | 2A519 | TIMER W/BATTERY BACKUP |
| 10 | 1 | SSAC | PLMU11 | PHASE MONITOR |
| 11 | 2 | ACI | JR22BL11R | PTT PILOT LIGHT |
| 12 | 2 | GRASSLIN | UWZ52L | ETM |
| 13 | 1 | ACI | JR22P2M11B | 2 POSITION SWITCH |
| 14 | 1 | TIMEMARK | 261DT120 | ALTERNATOR |
| 15 | | | | |
| 16 | | | | |
| 17 | | | | |
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| 24 | | | | |

| | | | | | | | |
|-----------------|--------------------------------|------------------------------|--|--|---------------------------|-----------------------|---------------------|
| | Drawing Title | | | | | | |
| | BILL OF MATERIALS | | | | | | |
| | | | | | | | |
| DATE 6/23/03 | REFERENCE DRAWING S/N | NO. C.C. | REVISION-LOCATION DRAWN BY C. RACHAL | ECN | DATE | BY | |
| | Sales Engineer | Application Engineer R.C. | | | | | APPROVED BY DATE |
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| | DUPLEX BLOWER CONTROL PANEL | | Ph. (225)756-3271 Fax (225)756-1030 | | DRAWING NUMBER CP-1591 | | |
| | | | | | SHEET NUMBER 6 | | |