
COX

Research and Technology, Inc.

DUPLEX BLOWER CONTROL PANEL


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

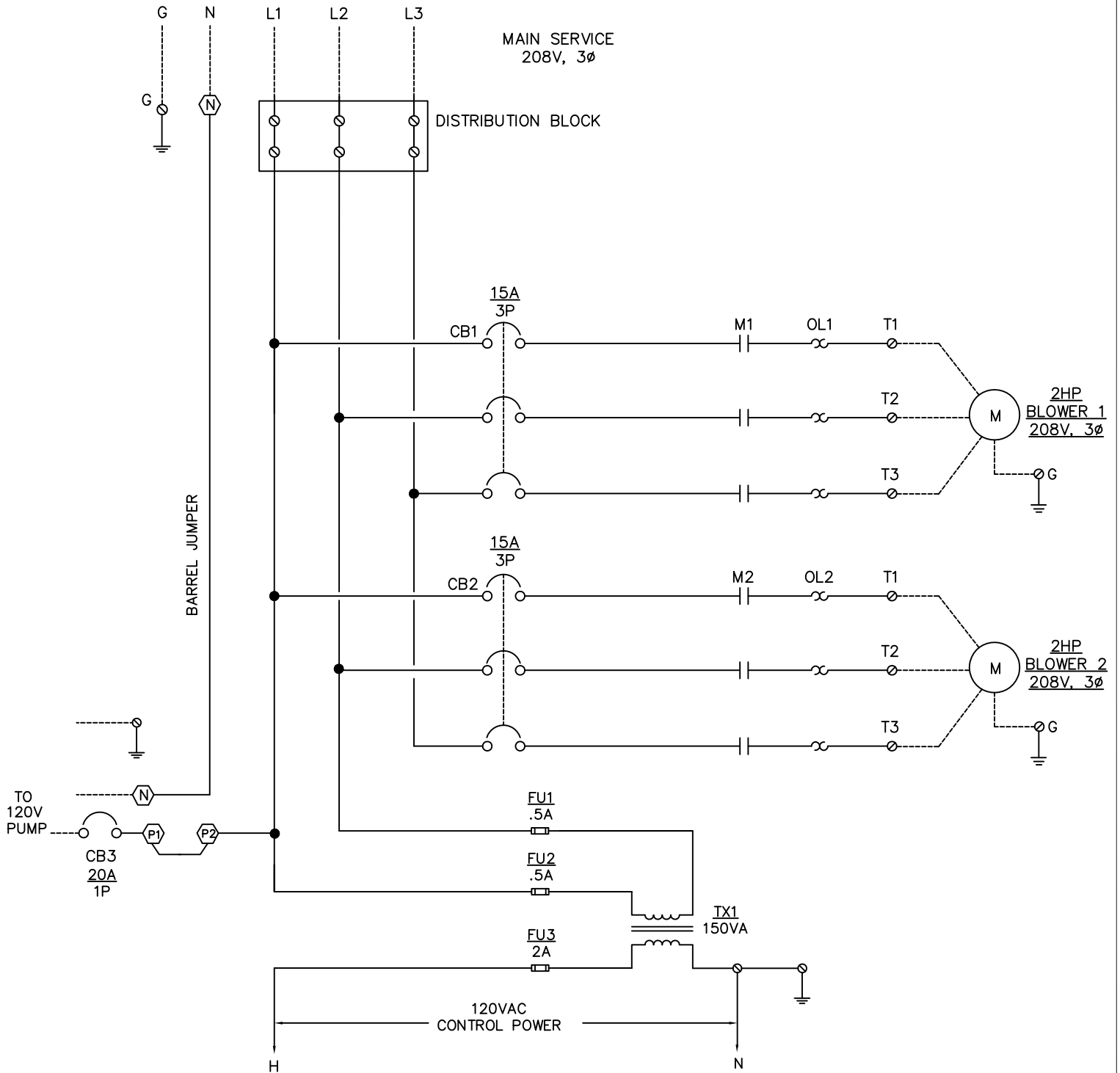
CP-1529

| | | |
|----------------------------------|------------|--|
| 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, Bubbler, Other) |
| CAPACITORS | | (Yes, No) |
| CAPACITOR WIRING FIGURE | | |
| THERM. & SEAL FAIL WIRING FIGURE | | |

| | | |
|----------------------------------|-------|----------------------------|
| 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 | _____ | |

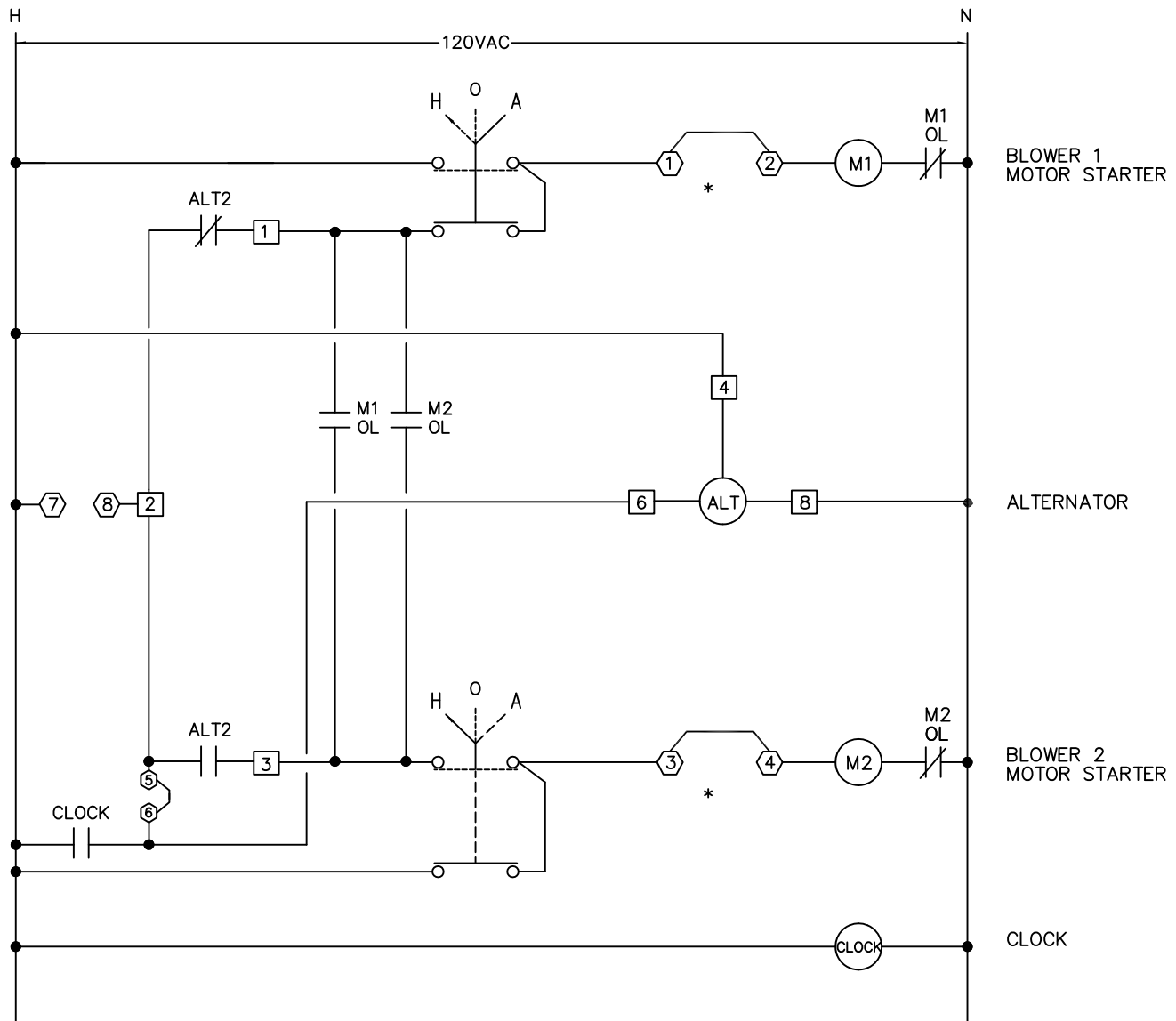
SHIP TO: _____

| | | | | | | | | | |
|------------------|-----------------------------|---|-------------------------------|---|---|-----|------|------|---------------------------|
| | Drawing Title | | | | | | | | |
| | PANEL DESCRIPTION | | | | | | | | |
| DATE 10/11/02 | | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | DRAWN | ECN | DATE | BY | |
| | Project Title | | | | BY CTR | | BY | DATE | PURCHASE ORDER NUMBER |
| | DUPLEX BLOWER CONTROL PANEL | <div style="text-align: center;"> <hr/><hr/>  <hr/><hr/> <p>Research and Technology, Inc.</p> </div> | | | P.O. Box 77808 Baton Rouge, LA 70809 | | | | DRAWING NUMBER CP-1529 |
| | | | | | Ph. (225)756-3271 Fax (225)756-1030 | | | | SHEET NUMBER 1 |



* IF INCOMING POWER IS 208V 3 ϕ 3W, REMOVE JUMPER FROM TERMINALS P1 AND P2.
BRING IN SEPARATE 120V POWER TO TERMINALS P1 AND N.
WIRE PUMP TO N AND PUMP CIRCUIT BREAKER, CB-3

| | | | | | | |
|--------------------------------|--|-------------------------------|---|---------------------------|------|----|
| Drawing Title | POWER DIAGRAM | | | | | |
| DATE 2/19/03 | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | ECN | DATE | BY |
| Project Title | COX Research and Technology, Inc. | | | PURCHASE ORDER NUMBER | | |
| DUPLEX BLOWER CONTROL PANEL | P.O. Box 77808 Baton Rouge, LA 70809 | | | DRAWING NUMBER CP-1529 | | |
| | Ph. (225)756-3271 Fax (225)756-1030 | | | SHEET NUMBER 2 | | |

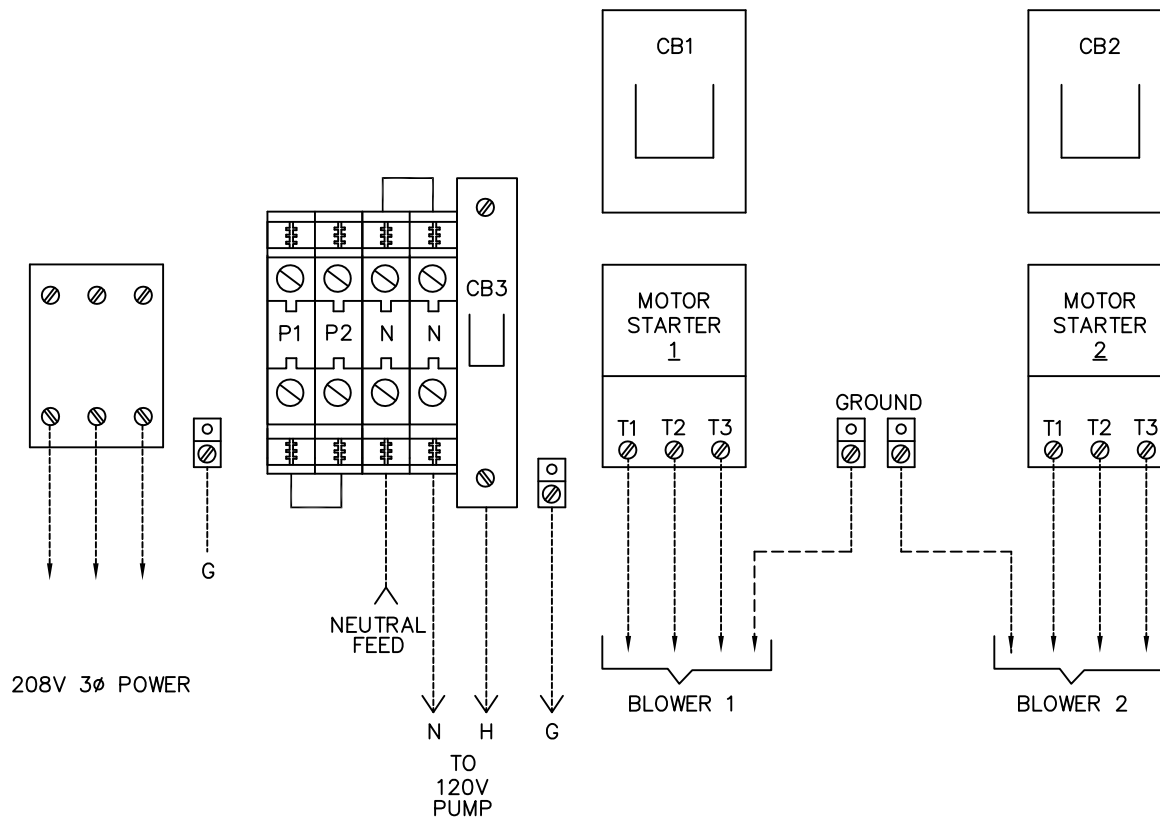


PANEL IS DESIGNED TO RUN AERATORS WITH A MINIMUM OF 15 MINUTES OF OFF TIME BETWEEN ALTERNATION. PINS PUSHED OUT ON CLOCK INDICATE RUN TIME. PINS PUSHED IN INDICATE OFF TIME. EACH PIN IS EQUAL TO 15 MINUTES.

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

| | | | | | | | | |
|--------------------------------|-------------------|--|------------------------|--|------------------------------|--|--------|---------------------------|
| DATE 2/19/03 | Drawing Title | | | | | | | |
| | CONTROL DIAGRAM | | | | | | | |
| | REFERENCE DRAWING | | NO. | | REVISION-LOCATION | | ECN | |
| | S/N | | Sales Engineer C.C. | | Application Engineer R.C. | | BY CTR | |
| Project Title | | | | | | | | PURCHASE ORDER NUMBER |
| DUPLEX BLOWER CONTROL PANEL | | | | | | | | DRAWING NUMBER CP-1529 |
| | | | | | | | | SHEET NUMBER 3 |



| | | | | | | | | |
|---------|--------------------------------|---|------------------------|------------------------------|--|---------------------------|------|--|
| | Drawing Title | | | | | | | |
| | EXTERNAL CONNECTIONS | | | | | | | |
| DATE | | REFERENCE DRAWING | NO. | REVISION-LOCATION | ECN | DATE | BY | |
| 2/19/03 | | S/N | Sales Engineer C.C. | Application Engineer R.C. | DRAWN BY CTR | APPROVED BY | DATE | |
| | Project Title | | | | P.O. Box 77808 Baton Rouge, LA 70809 | PURCHASE ORDER NUMBER | | |
| | DUPLEX BLOWER CONTROL PANEL | <div>COX</div> <div>Research and Technology, Inc.</div> | | | Ph. (225)756-3271 Fax (225)756-1030 | DRAWING NUMBER CP-1529 | | |
| | | | | | | SHEET NUMBER 4 | | |

BILL OF MATERIAL

| ITEM | QTY | MANUFACTURER | PART NO. | DESCRIPTION |
|------|-----|--------------|--------------|---------------------|
| 1 | 1 | VYNCKIER | VJ1816HWPL2 | ENCLOSURE |
| 2 | 1 | VYNCKIER | BP1816AL | BACKPLATE |
| 3 | 2 | ABB | A16-30-10-84 | STARTER |
| 4 | 2 | ABB | TA25DU8.5 | O.L. (6.0-8.5A) |
| 5 | 2 | SQUARE D | QOU315 | CIRCUIT BREAKER 1,2 |
| 6 | 2 | ACI | JR22P3M20B | H.O.A. SWITCH |
| 7 | 1 | TIMEMARK | 261DT120 | ALTERNATING RELAY |
| 8 | 1 | GRASSLIN | FM/1 STUZH-L | TIMER |
| 9 | 1 | SQUARE D | 9070TF150D20 | TRANSFORMER |
| 10 | 1 | SQUARE D | QOU120 | CB3 |
| 11 | | | | |

[illegible]