
COX

Research and Technology, Inc.

DUPLEX PUMP
CONTROL PANEL
FOREST HILLS

FIELD REVISION

October 23, 2014

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

CP-1540r2

| | | |
|----------------|-----------------------|--|
| VOLTAGE | 120/240V | (480V, 277/480V, 240V, 120/240V, 208V, 120/208V) |
| PHASE/HZ | 1/60 | |
| NO. MOTORS | 2 | |
| HP | 7.5 | |
| FLA | 39/34 | |
| TYPE OF PUMP | Submersible | (Self-Priming, Submersible) |
| MANUFACTURER | Barnes/Myers | |
| CATALOG NUMBER | 4SE7524L/4VHS75M 4-21 | |

| | | |
|----------------------------------|---------------|--|
| CONTROL VOLTAGE | 120V | (120V, Other) |
| ENCLOSURE | NEMA 3R | (NEMA 1, NEMA 3R, NEMA 4, NEMA 4X) |
| ENCLOSURE MATERIAL | Painted Steel | (Painted Steel, Stainless Steel, Fiberglass) |
| CONTROL SENSOR | FLOATS | (FLOATS, Bubbler, Other) |
| CAPACITORS | Yes | (Yes, No) |
| CAPACITOR WIRING FIGURE | | |
| THERM. & SEAL FAIL WIRING FIGURE | | |

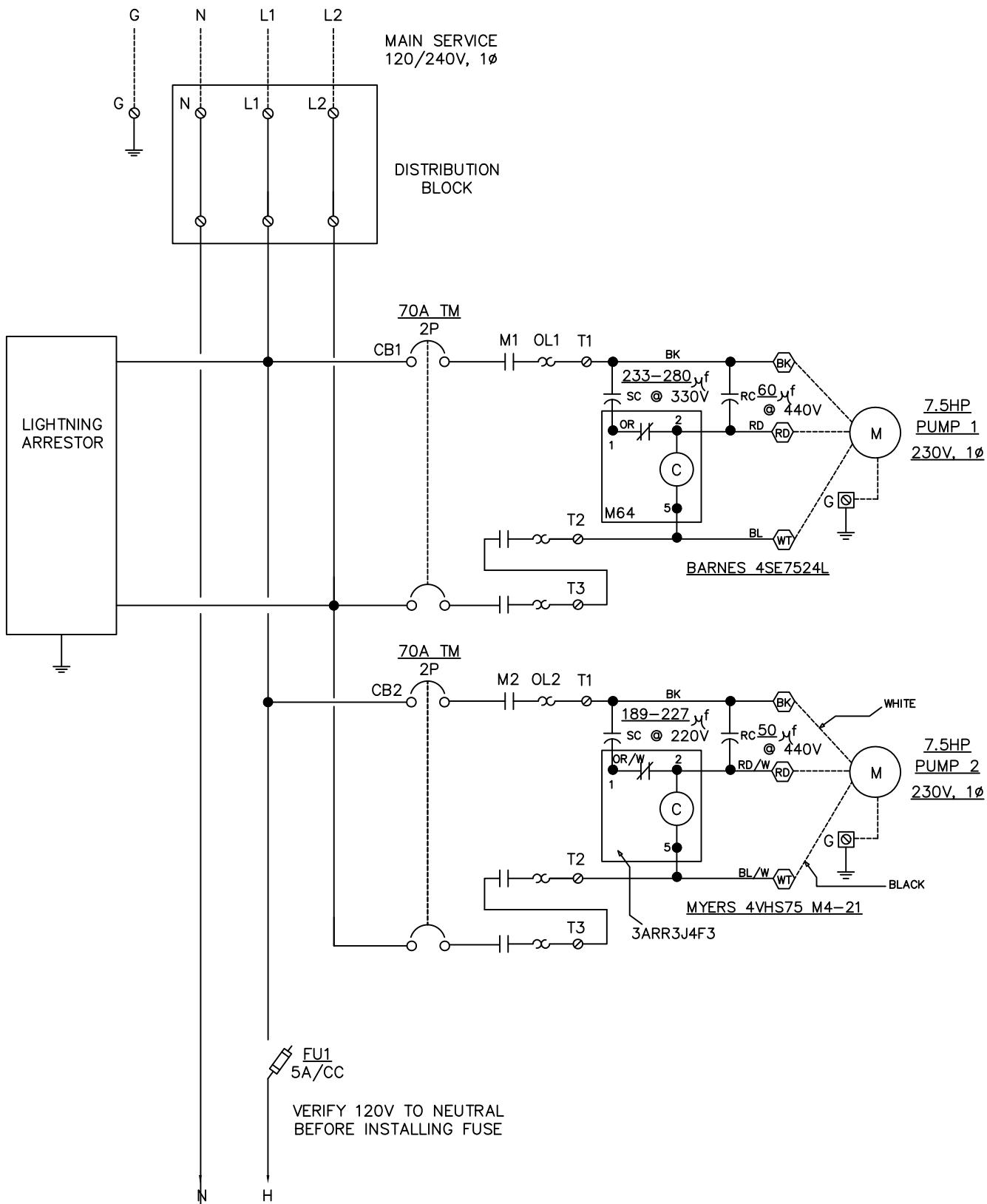
OPTIONS:

| | | |
|----------------------------------|---|----------------------------|
| 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 | X | |

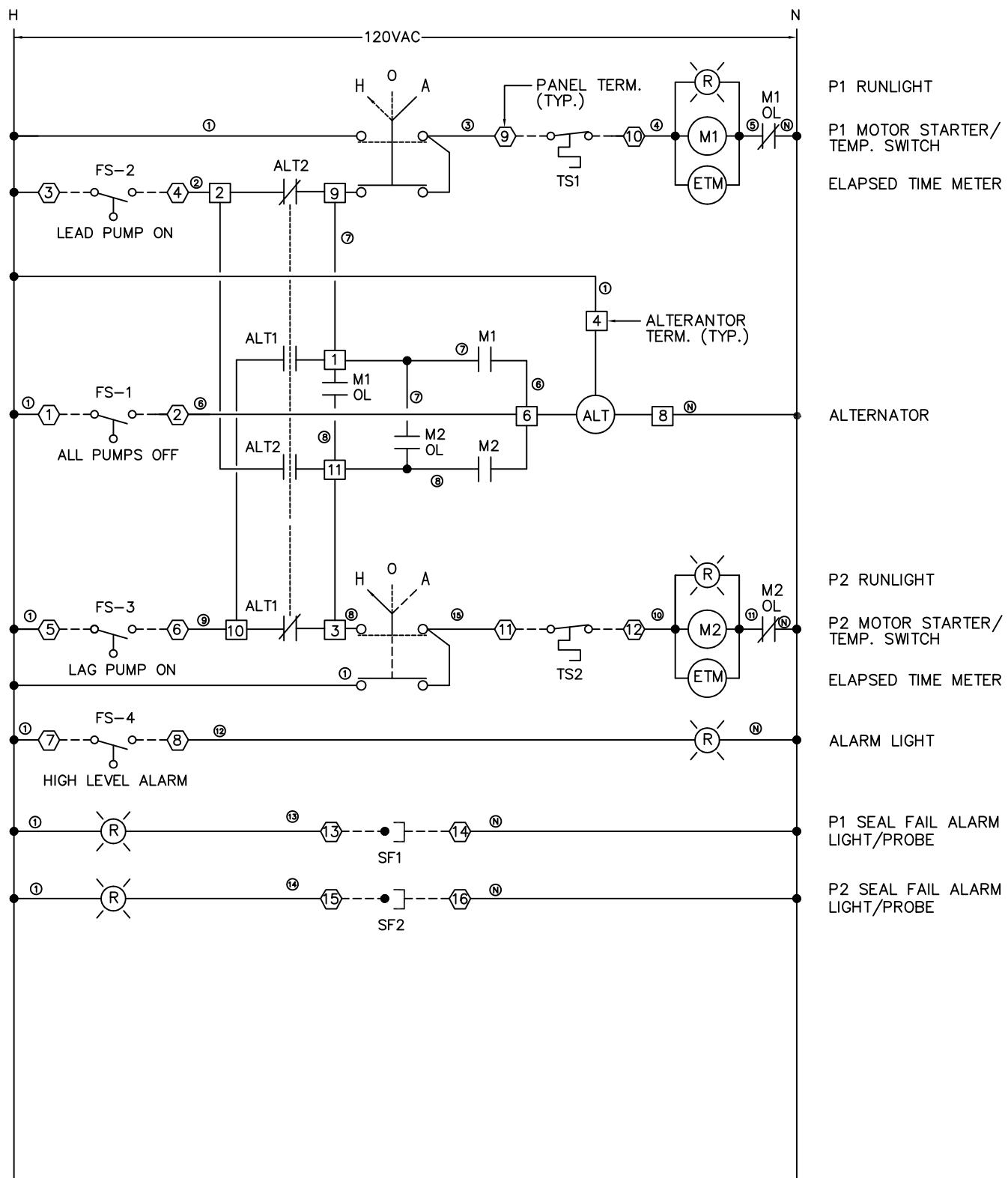
SOLD TO: Delta Process - Denham Springs, LA
TAG : FOREST HILLS

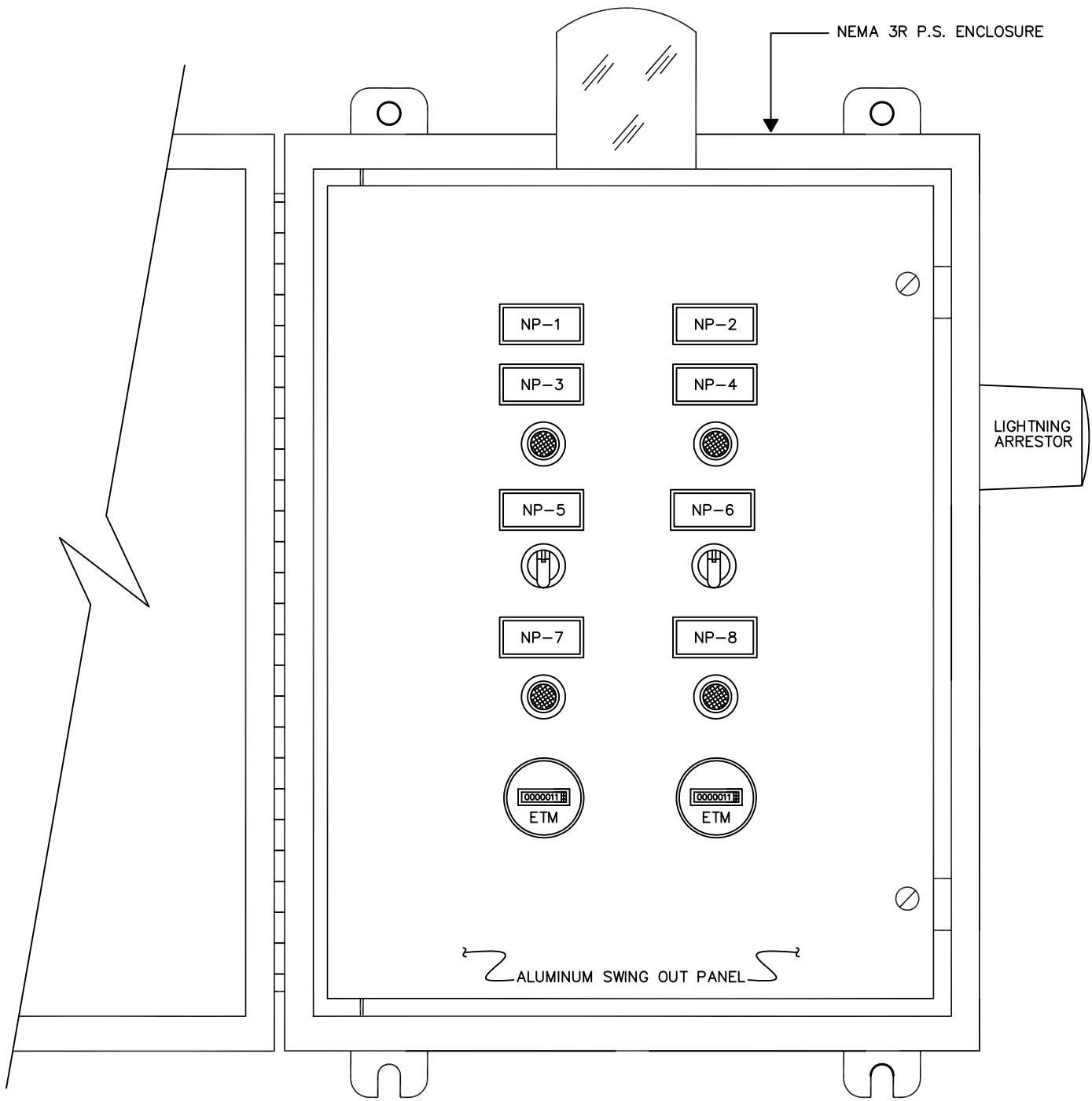
SHIP TO: Delta Process - Ruston, LA

| | Drawing Title PANEL DESCRIPTION | | | | | | | | |
|------------------|---|---|-----------------------|---|-----|---|----|--|--|
| | | REFERENCE DRAWING S/N | NO. Sales Engineer | REVISION-LOCATION DRAWN T.L. BY E. ECKER | ECN | DATE | BY | | |
| DATE 10/23/14 | Project Title DUPLEX PUMP CONTROL PANEL | COX Research and Technology, Inc. | | P.O. Box 77808 Baton Rouge, LA 70809 | | PURCHASE ORDER NUMBER DRAWING NUMBER CP-1540r1 SHEET NUMBER 1 | | | |
| | | | | | | | | | |



| | | | | | | | |
|---|---|-----------------------|--|---|-----------------------------|--|--|
| | Drawing Title | | | | | | |
| | POWER DIAGRAM | | | | | | |
| DATE 10/23/14 | REFERENCE DRAWING S/N | NO. Sales Engineer | REVISION-LOCATION Application Engineer T.L. | ECN DRAWN BY E. ECKER | DATE APPROVED BY DATE | | |
| Project Title 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-1540r1 SHEET NUMBER 2 | | | |





VIEW OF SWING OUT PANEL

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 |

| | | | | | | |
|------------------|------------------------------|--|----------------------|------------------------------|-----------------------|-----------|
| | Drawing Title | | | | | |
| | ENCLOSURE | | | | | |
| | | REFERENCE DRAWING | NO. | REVISION-LOCATION | ECN | DATE BY |
| DATE 10/23/14 | S/N | Sales Engineer | Application Engineer | DRAWN T.L. BY E. ECKER | APPROVED BY DATE | |
| | Project Title | <hr/> <hr/> <hr/> COX <hr/> <hr/> <hr/> Research and Technology, Inc. <hr/> <hr/> <hr/> | | | PURCHASE ORDER NUMBER | |
| | DUPLEX PUMP CONTROL PANEL | | | | DRAWING NUMBER | CP-1540r1 |
| | | | | | SHEET NUMBER | 4 |

BILL OF MATERIALS

| ITEM | QTY | MANUFACTURER | PART NO. | DESCRIPTION |
|------|-----|--------------|--------------------------|------------------------------|
| 1 | 1 | EBE | 242010REPL | ENCLOSURE 3R P.S. |
| 1a | 1 | EBE | A2420P | BACKPLATE |
| 1b | 1 | EBE | A2420SP | DEAD FRONT |
| 2 | 1 | MARATHON | 132-3570 | DIST. BLOCK |
| 3 | 2 | ABB | A40-30-10-84 | MOTOR STARTER |
| 4 | 2 | ABB | TA42DU42 | O.L. RELAY (29-42A) |
| 5 | 2 | SQUARE D | QOU270 | CB1, CB2 |
| 6 | 1 | TIMEMARK | 261DT120 | ALTERNATING RELAY |
| 7 | 4 | ACI | JR22FR | RED PILOT LIGHT |
| 8 | 2 | ACI | JR22P3M20B | HOA SWITCH |
| 9 | 1 | AC/DC | BL5-R-120 | ALARM LIGHT |
| 10 | 1 | C-H | CHSA01 | LIGHTNING ARRESTER |
| 11 | 1 | MARATHON | 6SC30A1I | FUSE HOLDER |
| 12 | 2 | GRASSLIN | UWZ52E | ETM |
| 13 | 1 | MARS | 64-19003 | START RELAY |
| 14 | 1 | DAYTON | <u>233-280</u> μf @ 220V | START CAP. |
| 15 | 1 | DAYTON | 60μf @ 440V | RUN CAP. |
| 16 | 1 | MYERS | 22747A000 | START CAP 189-227 MED, 330 V |
| 17 | 1 | MYERS | 21990A013 | START RELAY |
| 18 | 1 | MYERS | 19933A000 | RUN CAP 50 MFD, 440 V |
| 19 | | | | |
| 20 | | | | |
| 21 | | | | |
| 22 | | | | |
| 23 | | | | |
| 24 | | | | |

| | | | | | | | | | |
|------------------|------------------------------|--|--|----------------|----------------------|---|----------|------|----|
| | Drawing Title | | | | | | | | |
| | BILL OF MATERIALS | | | | | | | | |
| | | | REFERENCE DRAWING | | NO. | REVISION-LOCATION | ECN | DATE | BY |
| DATE 10/23/14 | | | S/N | Sales Engineer | Application Engineer | DRAWN | APPROVED | | |
| | | | | | T.L. | BY E. ECKER | BY | DATE | |
| | Project Title | |  COX Research and Technology, Inc. | | | PURCHASE ORDER NUMBER DRAWING NUMBER CP-1540r1 SHEET NUMBER 5 | | | |
| | DUPLEX PUMP CONTROL PANEL | | | | | | | | |
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