
COX

Research and Technology, Inc.

SIMPLEX PUMP CONTROL PANEL

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

CP-2378

| | | |
|----------------------------------|-------------------|--|
| VOLTAGE | <u>277/480V</u> | (480V, 277/480V, 240V, 120/240V, 208V, 120/208V) |
| PHASE/HZ | <u>3/60</u> | |
| NO. MOTORS | <u>1</u> | |
| HP | <u>7.5</u> | |
| FLA | <u>11</u> | |
| TYPE OF PUMP | <u></u> | (Self-Priming, Submersible) |
| MANUFACTURER | <u></u> | |
| CATALOG NUMBER | <u></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 | <u>Floats</u> | (Floats, Bubbler, Other) |
| CAPACITORS | <u>No</u> | (Yes, No) |
| CAPACITOR WIRING FIGURE | <u>N/A</u> | |
| THERM. & SEAL FAIL WIRING FIGURE | <u></u> | |


OPTIONS:

| | | |
|----------------------------------|----------|----------------------------|
| SEAL FAIL LIGHTS | <u></u> | (Submersible Only) |
| SEAL FAIL RELAYS | <u></u> | (Submersible Only) |
| SEAL FAIL PUMP SHUTDOWN | <u></u> | (Submersible Only) |
| HT PUMP SHUTDOWN | <u></u> | (Self-Primer, Submersible) |
| ALARM HORN | <u></u> | |
| ALARM LIGHT | <u>X</u> | |
| LIGHT PANEL MTD | <u>X</u> | |
| LIGHT REMOTE MTD | <u></u> | |
| LIGHT FLASHER | <u></u> | |
| LIGHTNING ARRESTER | <u></u> | |
| ELAPSED TIME METER | <u></u> | |
| PHASE MONITOR | <u></u> | |
| NEMA RATED STARTERS | <u></u> | |
| GROUND FAULT RECPT. | <u></u> | |
| GREEN RUN LIGHTS VS. RED | <u></u> | |
| POLE, BOX, SEAL | <u></u> | |
| INTRINSICALLY SAFE RELAYS | <u></u> | |
| HIGH TEMP. LOCKOUT, MANUAL RESET | <u></u> | |
| ECONOMY VERSION | <u></u> | |

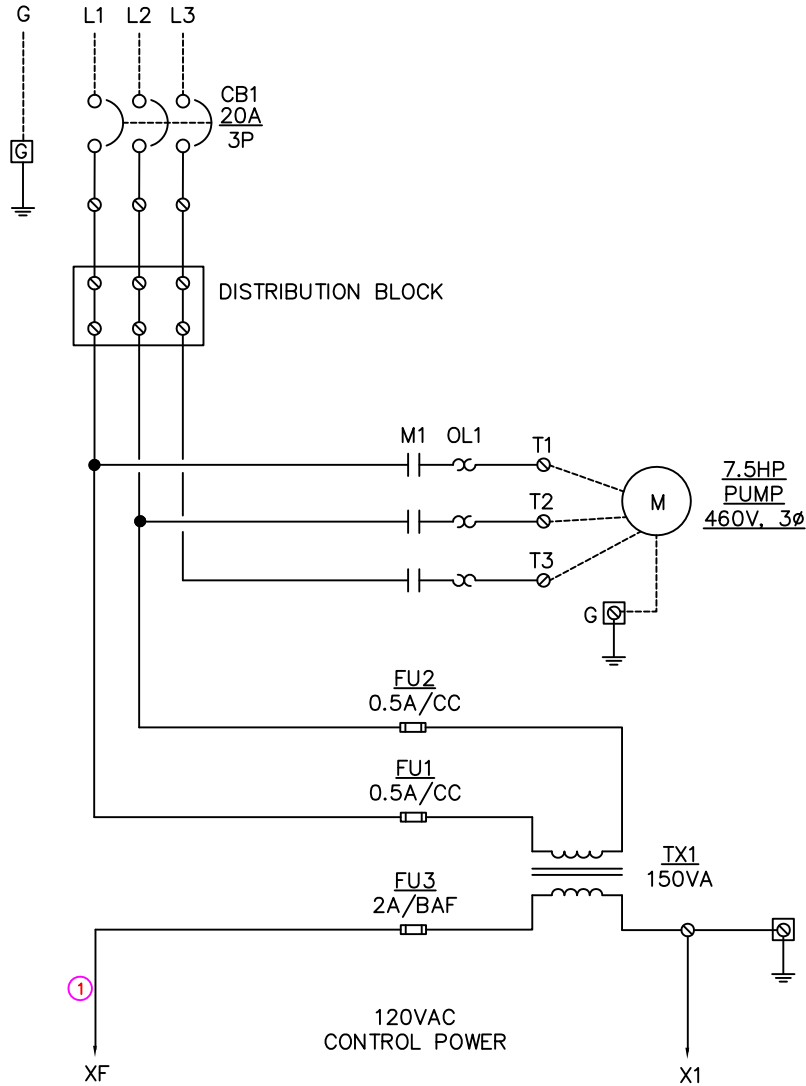
SOLD TO: Summit Electric

TAG :

SHIP TO: Summit Electric

| | | | | | | | |
|-----------------|-------------------------------|---|-------------------------------|---|---------------------------|-----|------|
| | Drawing Title | | | | | | |
| | PANEL DESCRIPTION | | | | | | |
| | | | | | | | |
| DATE 5/03/06 | | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | DRAWN BY C. RACHAL | ECN | DATE |
| | SIMPLEX PUMP CONTROL PANEL | <div style="text-align: center;">  Research and Technology, Inc. </div> | | | PURCHASE ORDER NUMBER | | |
| | | | | | DRAWING NUMBER CP-2378 | | |
| | | | | | SHEET NUMBER 1 | | |

MAIN SERVICE
277/480VAC 3Ø



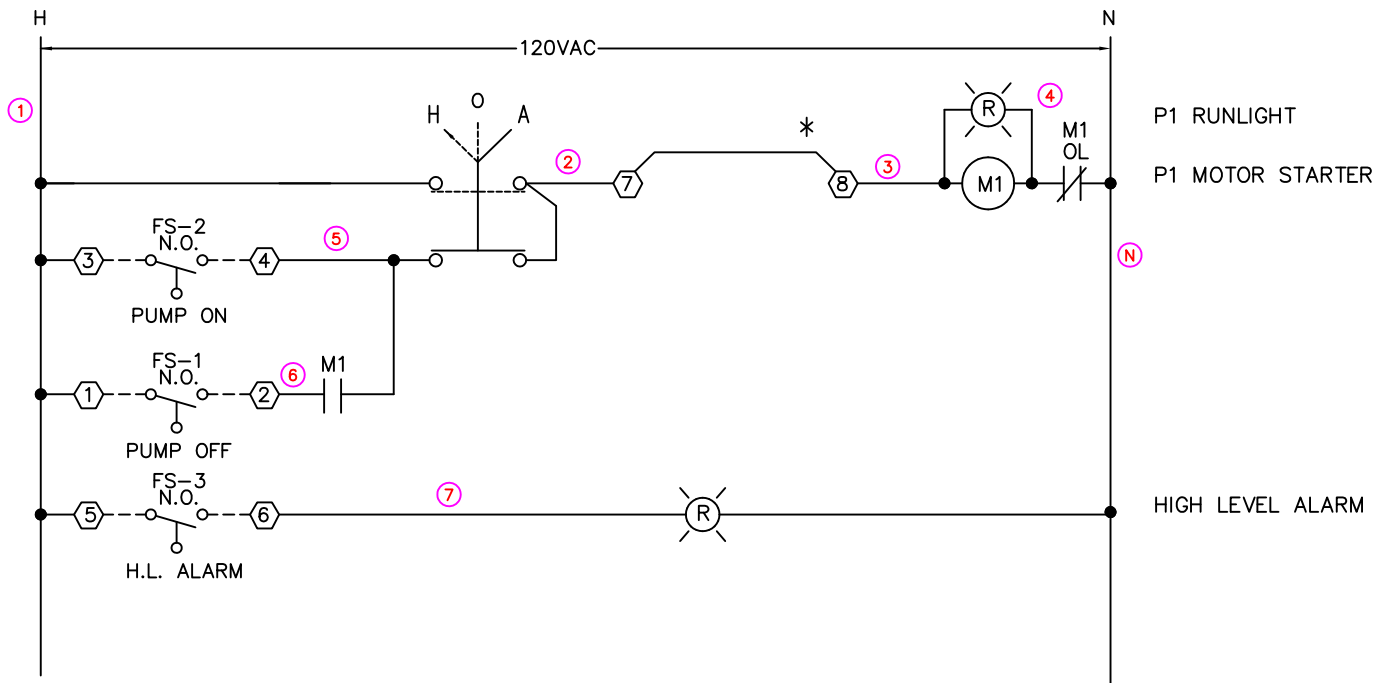
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| | Drawing Title | | | | | | | | |
| | POWER DIAGRAM | | | | | | | | |
| DATE | | REFERENCE DRAWING | NO. | REVISION-LOCATION | ECN | DATE | BY | | |
| 5/03/06 | | S/N | Sales Engineer C.C. | Application Engineer R.C. | BY C. RACHAL | | APPROVED | | |
| | Project Title | | | | | | | PURCHASE ORDER NUMBER | |
| | SIMPLEX PUMP CONTROL PANEL | | | | | | | DRAWING NUMBER CP-2378 | |
| | | | | | | | | SHEET NUMBER | 2 |

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* Remove Jumper And Install Lockout Device If Required

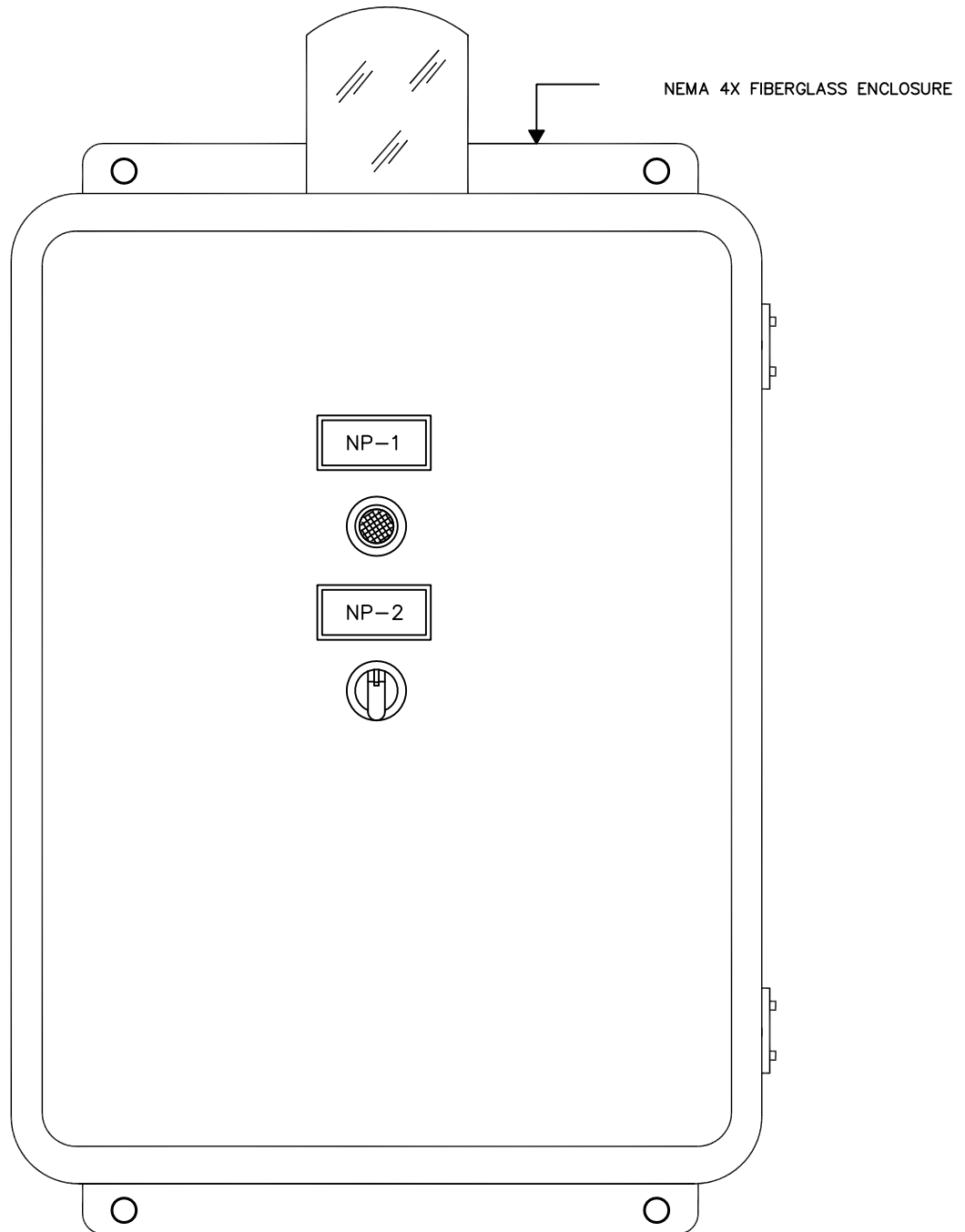
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| | Drawing Title | | | | | | | |
| | CONTROL DIAGRAM | | | | | | | |
| DATE | | REFERENCE DRAWING | NO. | REVISION-LOCATION | ECN | DATE | BY | |
| 5/03/06 | | S/N | Sales Engineer C.C. | Application Engineer R.C. | BY C. RACHAL | APPROVED | | |
| | Project Title | | | | | | | PURCHASE ORDER NUMBER |
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| | | | | | | | | SHEET NUMBER 3 |

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VIEW OF FRONT OF ENCLOSURE

NAMEPLATE SCHEDULE

NP-1 PUMP RUN
NP-2 HOA

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

| | | | | | | | | |
|-----------------|-------------------------------|--|------------------------|------------------------------|--|----------|---------------------------|------|
| DATE 5/03/06 | Drawing Title | | | | | | | |
| | ENCLOSURE | | | | | | | |
| | | | | | | | | |
| | | REFERENCE DRAWING | NO. | REVISION-LOCATION | ECN | DATE | BY | |
| | Project Title | S/N | Sales Engineer C.C. | Application Engineer R.C. | BY C. RACHAL | APPROVED | BY | DATE |
| | SIMPLEX PUMP CONTROL PANEL | <div style="text-align: center;"> COX Research and Technology, Inc. </div> | | | P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030 | | PURCHASE ORDER NUMBER | |
| | | | | | | | DRAWING NUMBER CP-2378 | |
| | | | | | | | SHEET NUMBER 4 | |

BILL OF MATERIAL

| ITEM | QTY | MANUFACTURER | PART NO. | DESCRIPTION |
|------|-----|--------------|--------------|---------------------|
| 1 | 1 | STAHLIN | RJ1614HPL | ENCLOSURE |
| 1a | 1 | STAHLIN | BP1614AL | BACKPLATE |
| 2 | 1 | ABB | A16-30-10-84 | MOTOR STARTER |
| 3 | 1 | ABB | TA25DU14 | O.L. RELAY (10-14A) |
| 4 | 1 | ABB | T1N020TL | CB1 |
| 5 | 1 | ACI | JR22FR | RED PILOT LIGHT |
| 6 | 1 | ACI | JR22P3M20B | HOA SWITCH |
| 7 | 1 | ABB | T4150PSF1 | TRANSFORMER |
| 8 | 1 | MARATHON | 1323580 | DISTRIBUTION BLOCK |
| 9 | 1 | INGRAM | MX-15 | ALARM LIGHT |
| 10 | | | | |
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|-----------------|-------------------------------|---|-------------------------------|---|-------|--|---------------------------|------|----|
| | Drawing Title | | | | | | | | |
| | BILL OF MATERIALS | | | | | | | | |
| DATE 5/03/06 | | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | DRAWN | ECN | BY | DATE | BY |
| | Project Title | | | | | P.O. Box 77808 Baton Rouge, LA 70809 | PURCHASE ORDER NUMBER | | |
| | SIMPLEX PUMP CONTROL PANEL | <div style="text-align: center;"><div>COX</div><div>Research and Technology, Inc.</div></div> | | | | Ph. (225)756-3271 Fax (225)756-1030 | DRAWING NUMBER CP-2378 | | |
| | | | | | | | SHEET NUMBER 5 | | |