
COX

Research and Technology, Inc.

SIMPLEX PUMP CONTROL PANEL SOUTHERN IONICS

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

| | | |
|----------------------------------|--------------|--|
| VOLTAGE | 120 V | (480V, 277/480V, 240V, 120/240V, 208V, 120/208V) |
| PHASE/HZ | 1/60 | |
| NO. MOTORS | 1 | |
| HP | 3/4 | |
| FLA | 13.8 | |
| TYPE OF PUMP | Self-Priming | (Self-Priming, Submersible) |
| MANUFACTURER | G-R | |
| CATALOG NUMBER | - | |
| | | |
| 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 | | |

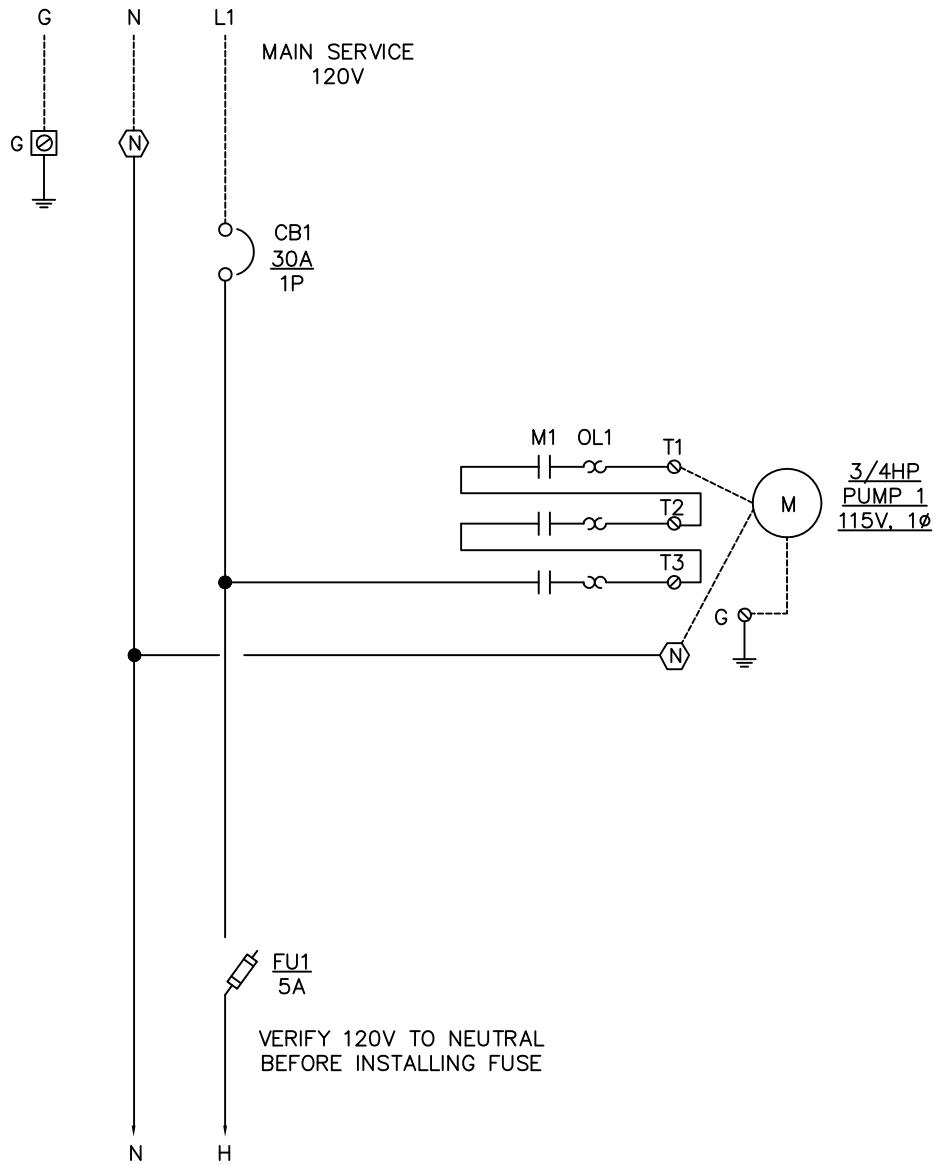
OPTIONS:

| | | |
|----------------------------------|-------|----------------------------|
| SEAL FAIL LIGHTS | _____ | (Submersible Only) |
| SEAL FAIL RELAYS | _____ | (Submersible Only) |
| SEAL FAIL PUMP SHUTDOWN | _____ | (Submersible Only) |
| HT PUMP SHUTDOWN | _____ | (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 | _____ | |

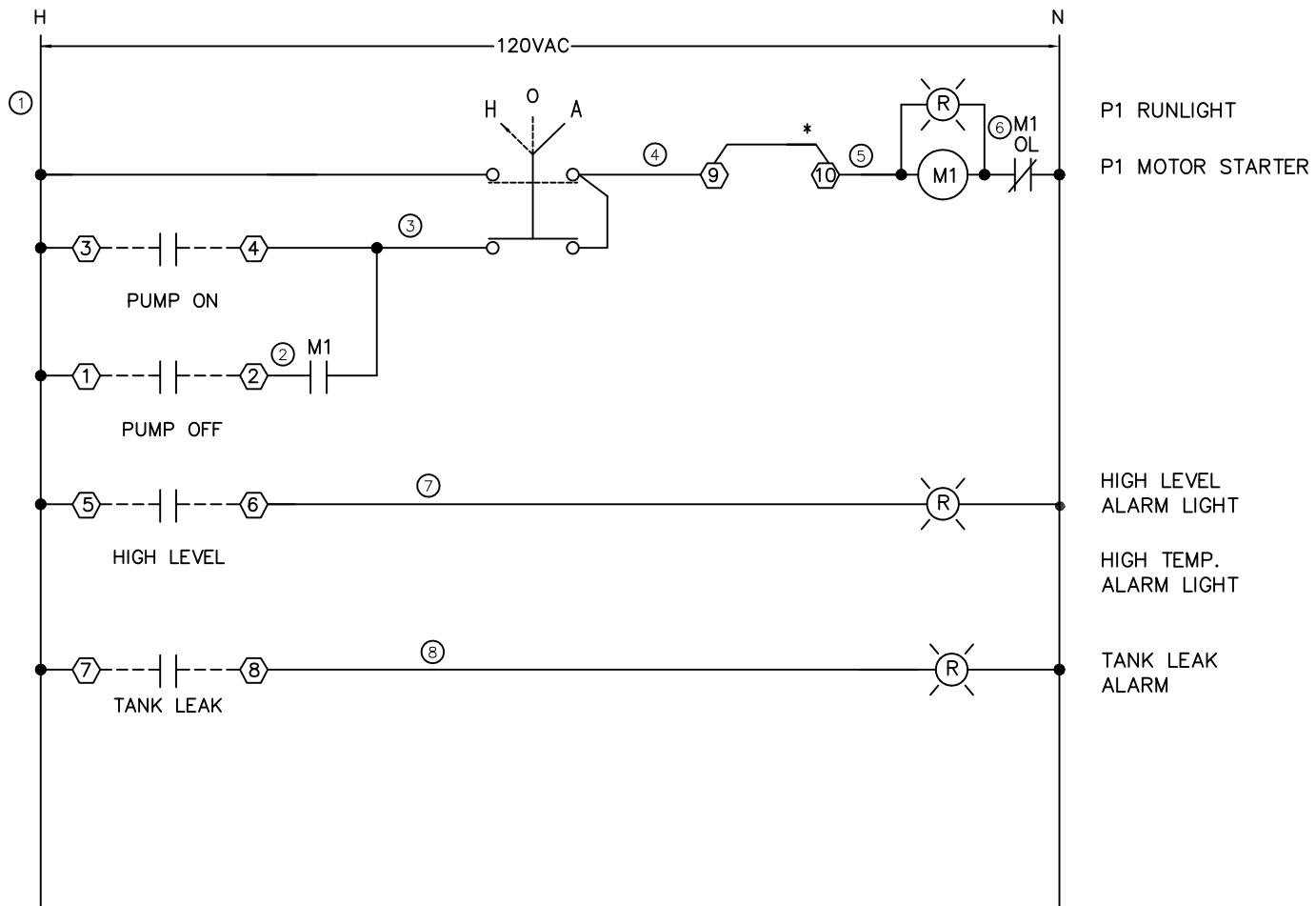
SOLD TO: Delta Process - Denham Springs, LA
TAG : SOUTHERN IONICS

SHIP TO: Delta Process - Denham Springs, LA

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|-----------------|-------------------------------|---|----------------|----------------------|--|---------------------------|-------------------|
| | Drawing Title | | | | | | |
| | PANEL DESCRIPTION | | | | | | |
| | | REFERENCE DRAWING | NO. | REVISION-LOCATION | ECN | DATE | BY |
| DATE 3/31/04 | | S/N | Sales Engineer | Application Engineer | DRAWN BY C. RACHAL | APPROVED BY | DATE |
| | C.C. | R.C. | | | | | |
| | Project Title | <u>COX</u> Research and Technology, Inc. | | | PURCHASE ORDER NUMBER | | |
| | SIMPLEX PUMP CONTROL PANEL | | | | Ph. (225)756-3271 Fax (225)756-1030 | DRAWING NUMBER CP-1774 | SHEET NUMBER 1 |

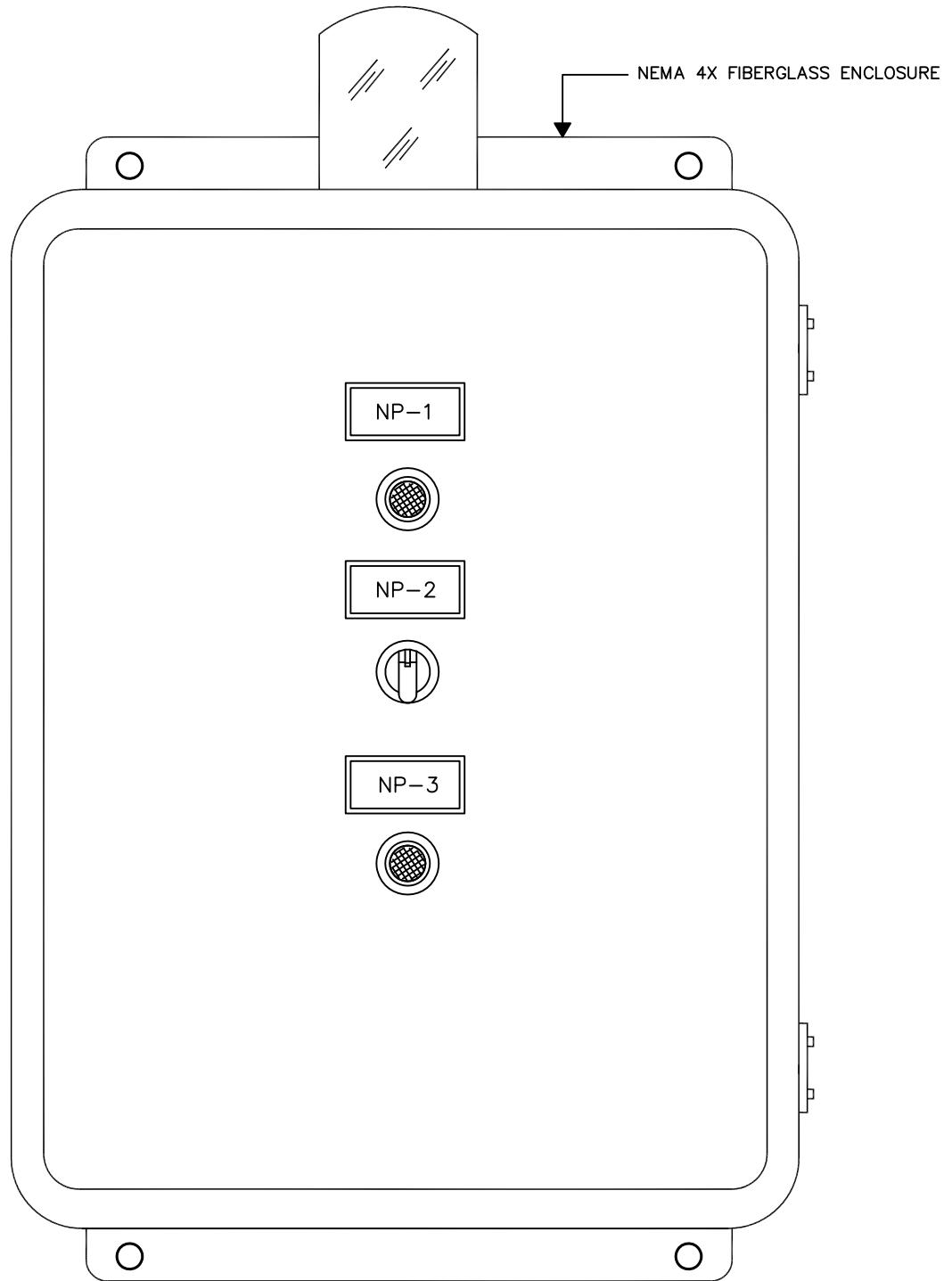


| | | | | | |
|-----------------|--|---|--|---------------------------|------------|
| | Drawing Title POWER DIAGRAM | | | | |
| | | | | | |
| | | | | | |
| DATE 3/31/04 | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION DRAWN Application Engineer R.C. | ECN | DATE BY |
| | | | BY C. RACHAL | APPROVED BY | DATE BY |
| | Project Title SIMPLEX 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-1774 | |
| | | | | SHEET NUMBER 2 | |



* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

| | | | | | | | |
|--|---|-------------------|--|--|---------------------------|----------------|------|
| | Drawing Title CONTROL DIAGRAM DATE 3/31/04 | | | | | | |
| | | 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 SIMPLEX PUMP CONTROL PANEL | | <hr/> <hr/> COX <hr/> <hr/> 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-1774 | | |
| | | | | | SHEET NUMBER 3 | | |



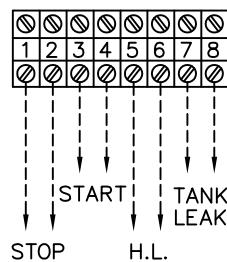
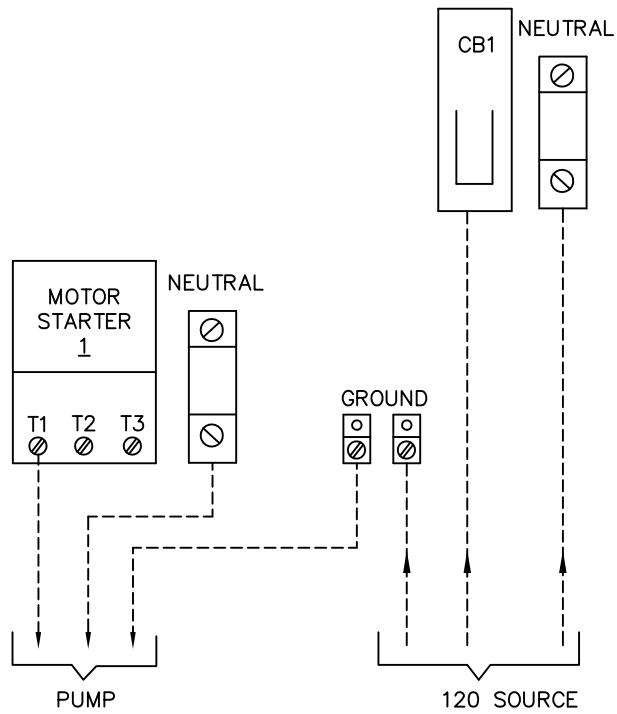
VIEW OF FRONT DOOR

NAMEPLATE SCHEDULE

| | |
|------|-----------|
| NP-1 | PUMP RUN |
| NP-2 | HOA |
| NP-3 | TANK LEAK |

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

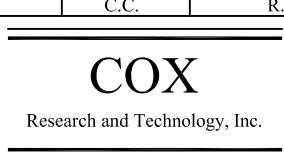
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| | Drawing Title | | | | | |
| | ENCLOSURE | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| DATE 3/31/04 | REFERENCE DRAWING S/N | NO. C.C. | REVISION-LOCATION DRAWN BY C. RACHAL | ECN | DATE | BY |
| | Sales Engineer | Application Engineer R.C. | | | APPROVED | |
| | | | | | | |
| | Project Title | <hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc. <hr/> <hr/> | P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030 | PURCHASE ORDER NUMBER | | |
| | SIMPLEX PUMP CONTROL PANEL | | | DRAWING NUMBER | CP-1774 | |
| | | | | SHEET NUMBER | 4 | |



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|-----------------|--|--------------------------------------|--|---|-----------------------------|----|
| | Drawing Title | | | | | |
| | EXTERNAL CONNECTIONS | | | | | |
| DATE 3/31/04 | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | ECN DRAWN BY C. RACHAL | DATE APPROVED BY DATE | BY |
| | Project Title SIMPLEX 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-1774 SHEET NUMBER 5 | | |

BILL OF MATERIAL

| ITEM | QTY | MANUFACTURER | PART NO. | DESCRIPTION |
|------|-----|--------------|--------------|---------------------|
| 1 | 1 | VYNCKIER | VJ1412HWPL | ENCLOSURE |
| 1a | 1 | VYNCKIER | MP1412AL | BACKPLATE |
| 2 | 1 | ABB | A16-30-10-84 | MOTOR STARTER |
| 3 | 1 | ABB | TA25DU14 | O.L. RELAY (10-14A) |
| 4 | 1 | SQUARE D | QOU230 | CIRCUIT BREAKER |
| 5 | 2 | ACI | JR22FR | RED PILOT LIGHT |
| 6 | 1 | ACI | JR22P3M20B | HOA SWITCH |
| 7 | 1 | INGRAM | MX15 | ALARM LIGHT |
| 8 | | | | |
| 9 | | | | |
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|-----------------|-------------------------------|--|---|----------------|-----------------------|-------------|----------|------|
| | Drawing Title | | | | | | | |
| | BILL OF MATERIALS | | | | | | | |
| | | | REFERENCE DRAWING | NO. | REVISION-LOCATION | ECN | DATE | BY |
| DATE 3/31/04 | | | S/N | Sales Engineer | Application Engineer | DRAWN | APPROVED | |
| | | | | C.C. | R.C. | BY C.RACHAL | BY | DATE |
| | Project Title | |  COX Research and Technology, Inc.  | | PURCHASE ORDER NUMBER | | | |
| | SIMPLEX PUMP CONTROL PANEL | | | | DRAWING NUMBER | | | |
| | | | | | CP-1774 | | | |
| | | | | | SHEET NUMBER | | | |
| | | | | | 6 | | | |