
COX

Research and Technology, Inc.

DUPLEX 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-1253r1

| | | |
|----------------------------------|-----------------|--|
| VOLTAGE | 277/480V | (480V, 277/480V, 240V, 120/240V, 208V, 120/208V) |
| PHASE/HZ | 3/60 | |
| NO. MOTORS | 2 | |
| HP | 3 | |
| FLA | 4.8 | |
| TYPE OF PUMP | Submersible | (Self-Priming, Submersible) |
| MANUFACTURER | | |
| CATALOG NUMBER | - | |
| CONTROL VOLTAGE | 120V | (120V, Other) |
| ENCLOSURE | NEMA 4X | (NEMA 1, NEMA 3R, NEMA 4, NEMA 4X) |
| ENCLOSURE MATERIAL | Stainless Steel | (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:

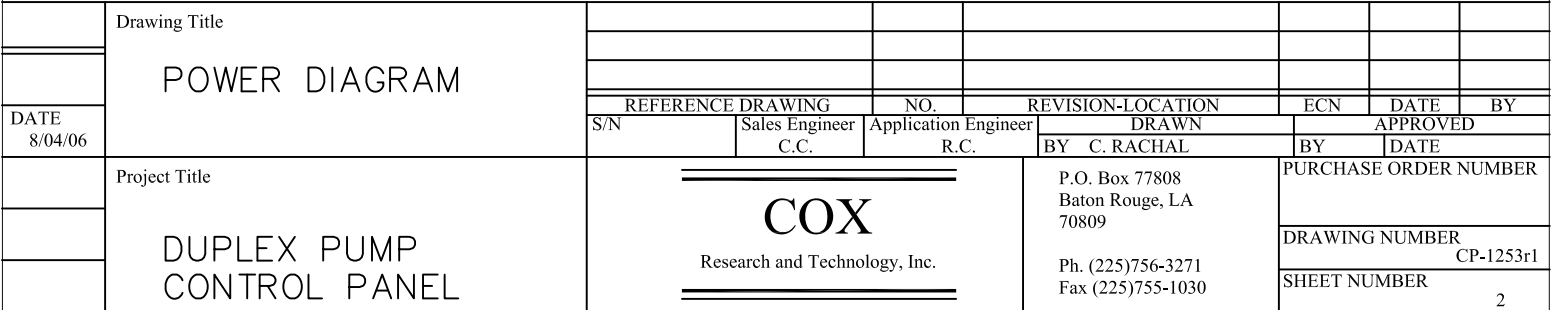
| | | |
|----------------------------------|---|----------------------------|
| SEAL FAIL LIGHTS | X | (Submersible Only) |
| SEAL FAIL RELAYS | X | (Submersible Only) |
| SEAL FAIL PUMP SHUTDOWN | | (Submersible Only) |
| HT PUMP SHUTDOWN | X | (Self-Primer, Submersible) |
| ALARM HORN | | |
| ALARM LIGHT | X | |
| LIGHT PANEL MTD | X | |
| LIGHT REMOTE MTD | | |
| LIGHT FLASHER | X | |
| 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 | | |

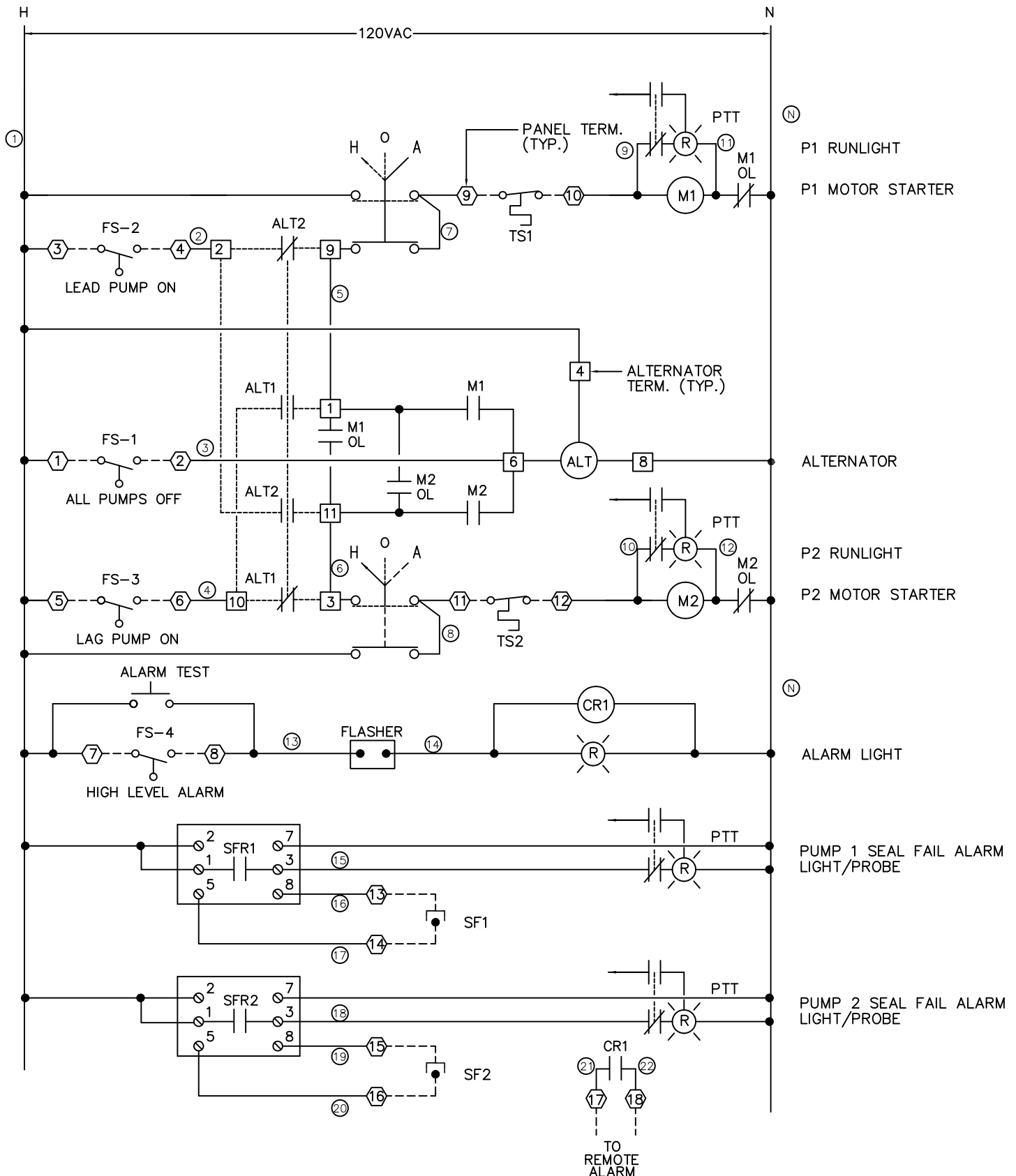
SOLD TO: Delta Process

TAG : _____

SHIP TO: Delta Process

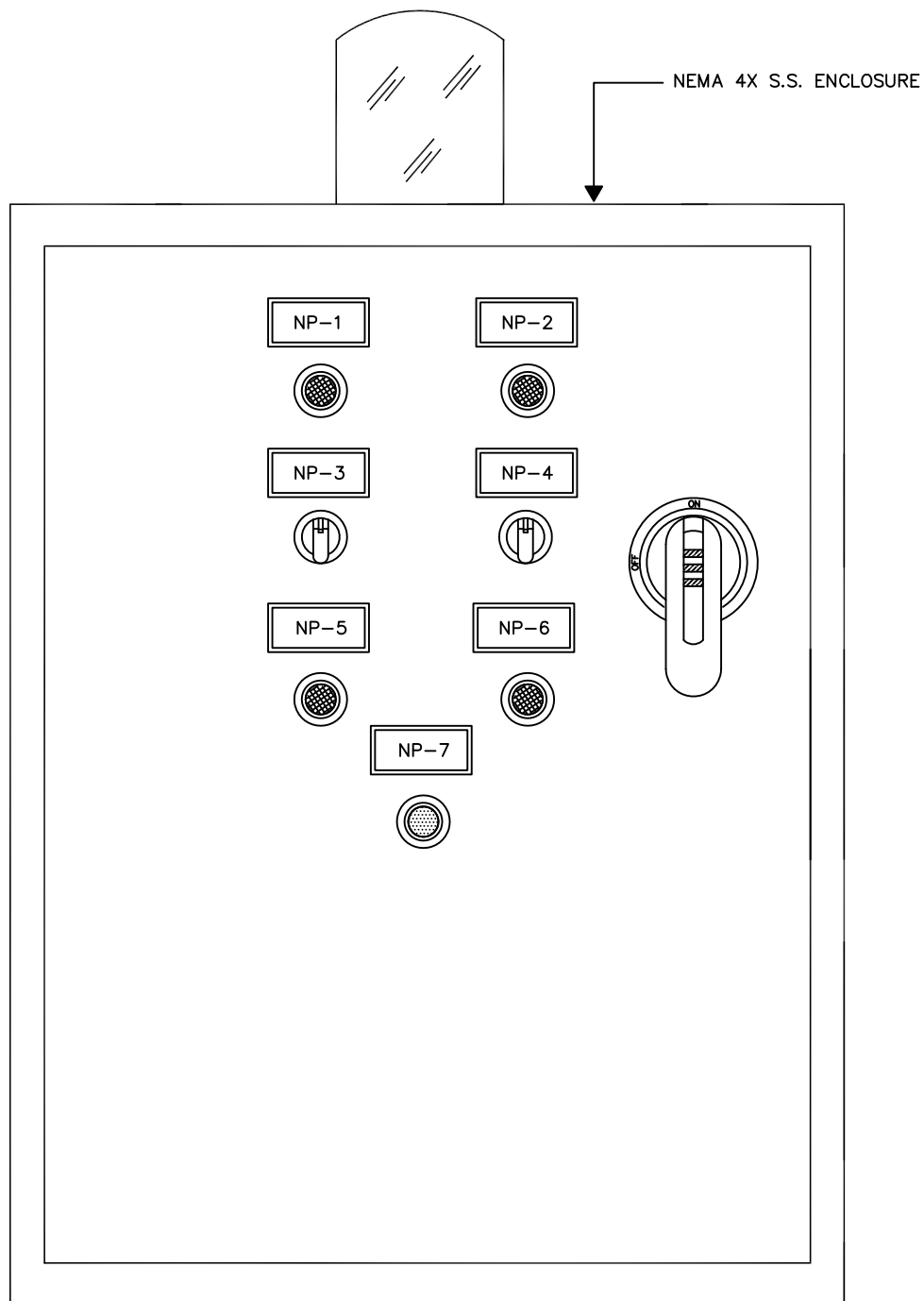
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|-----------------|---|--|-------------------------------|---|--|-----|-----------------------------|
| | Drawing Title | | | | | | |
| | PANEL DESCRIPTION | | | | | | |
| | | | | | | | |
| DATE 8/04/06 | | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | DRAWN BY C. RACHAL | ECN | DATE |
| | Project Title DUPLIX 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)755-1030 | | PURCHASE ORDER NUMBER |
| | | | | | | | DRAWING NUMBER CP-1253r1 |
| | | | | | | | SHEET NUMBER 1 |





* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

| | | | | | | |
|-------------------|-----------------|----------------|---------------------------|----------------------|--|-----------------------|
| Drawing Title | CONTROL DIAGRAM | | | | | |
| DATE | 8/04/06 | Project Title | DUPLEX PUMP CONTROL PANEL | | | |
| REFERENCE DRAWING | | NO. | | REVISION-LOCATION | | ECN |
| S/N | | Sales Engineer | | Application Engineer | | DATE |
| C.C. | | R.C. | | BY C. RACHAL | | BY |
| | | | | | | DATE |
| | | | | | | PURCHASE ORDER NUMBER |
| | | | | | | DRAWING NUMBER |
| | | | | | | CP-1253r1 |
| | | | | | | SHEET NUMBER |
| | | | | | | 3 |



VIEW OF FRONT OF ENCLOSURE

NAMEPLATE SCHEDULE

NP-1 PUMP 1 RUN
 NP-2 PUMP 2 RUN
 NP-3 HOA
 NP-4 HOA
 NP-5 SEAL FAIL
 NP-6 SEAL FAIL
 NP-7 ALARM TEST

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

| | | | | | | | | |
|-----------------|--|------------------------|--|-----------------------|-----------------------------|----------------|-------------------|------|
| DATE 8/04/06 | Drawing Title | | | | | | | |
| | ENCLOSURE | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | 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 | | | | PURCHASE ORDER NUMBER | | | |
| | <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)755-1030 | | DRAWING NUMBER CP-1253r1 | | SHEET NUMBER 4 | |
| | | | | | | | | |
| | | | | | | | | |
| | <div style="text-align: center;"> DUPLEX PUMP CONTROL PANEL </div> | | | | | | | |

BILL OF MATERIAL

| ITEM | QTY | MANUFACTURER | PART NO. | DESCRIPTION |
|------|-----|--------------|------------------|-----------------------|
| 1 | 1 | SAGINAW | SCE-24EL2008SSLP | ENCLOSURE |
| 1a | 1 | SAGINAW | SCE-24P20 | BACKPLATE |
| 2 | 2 | ABB | A16N0-30-10-84 | MOTOR STARTER |
| 3 | 2 | ABB | TA25DU5.0 | O.L. RELAY (3.5-5.0A) |
| 4 | 2 | ABB | S3N010MW | CB1, CB2 |
| 5 | 1 | ABB | OT63E3 | DISCONNECT SWITCH |
| 6 | 2 | A-B | 800H-JR2A | HOA SWITCH |
| 7 | 1 | ABB | OHB65J5 | HANDLE |
| 8 | 4 | A-B | 800H-QRT10R | RED PILOT LIGHT |
| 9 | 1 | A-B | 800H-AR2A | PUSH BUTTON |
| 10 | 1 | SSAC | FS126RC | FLASHER |
| 11 | 1 | IDEC | RY2SUAC120 | CONTROL RELAY |
| 12 | 1 | MARATHON | 1323580 | DISTRIBUTION BLOCK |
| 13 | 2 | SSAC | LLC54AA | SEAL FAIL RELAYS |
| 14 | 1 | ABB | T4150PSF1 | TRANSFORMER |
| 15 | 1 | TIMEMARK | 261DT120 | ALTERNATOR |
| 16 | | | | |
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|-----------------|------------------------------|--|-------------------------------|---|---|-----|--|
| | Drawing Title | | | | | | |
| | BILL OF MATERIALS | | | | | | |
| | | | | | | | |
| DATE 8/04/06 | | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | DRAWN BY C.RACHAL | ECN | DATE |
| | Project Title | <div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 150px;"> COX <small>Research and Technology, Inc.</small> </div> | | | <small>P.O. Box 77808 Baton Rouge, LA 70809</small> <small>Ph. (225)756-3271 Fax (225)755-1030</small> | | <small>PURCHASE ORDER NUMBER</small> <small>DRAWING NUMBER</small> CP-1253r1 <small>SHEET NUMBER</small> 5 |
| | DUPLEX PUMP CONTROL PANEL | | | | | | |