
COX

Research and Technology, Inc.

DUPLEX PUMP
CONTROL PANEL
FEMA TRAILER PARK
COPLAND

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

CP-2362

| | | |
|----------------|-------------|--|
| VOLTAGE | 120/208V | (480V, 277/480V, 240V, 120/240V, 208V, 120/208V) |
| PHASE/HZ | 1/60 | |
| NO. MOTORS | 2 | |
| HP | 5 | |
| FLA | 42 | |
| TYPE OF PUMP | Submersible | (Self-Priming, Submersible) |
| MANUFACTURER | Barnes | |
| CATALOG NUMBER | SGV5002L | |

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

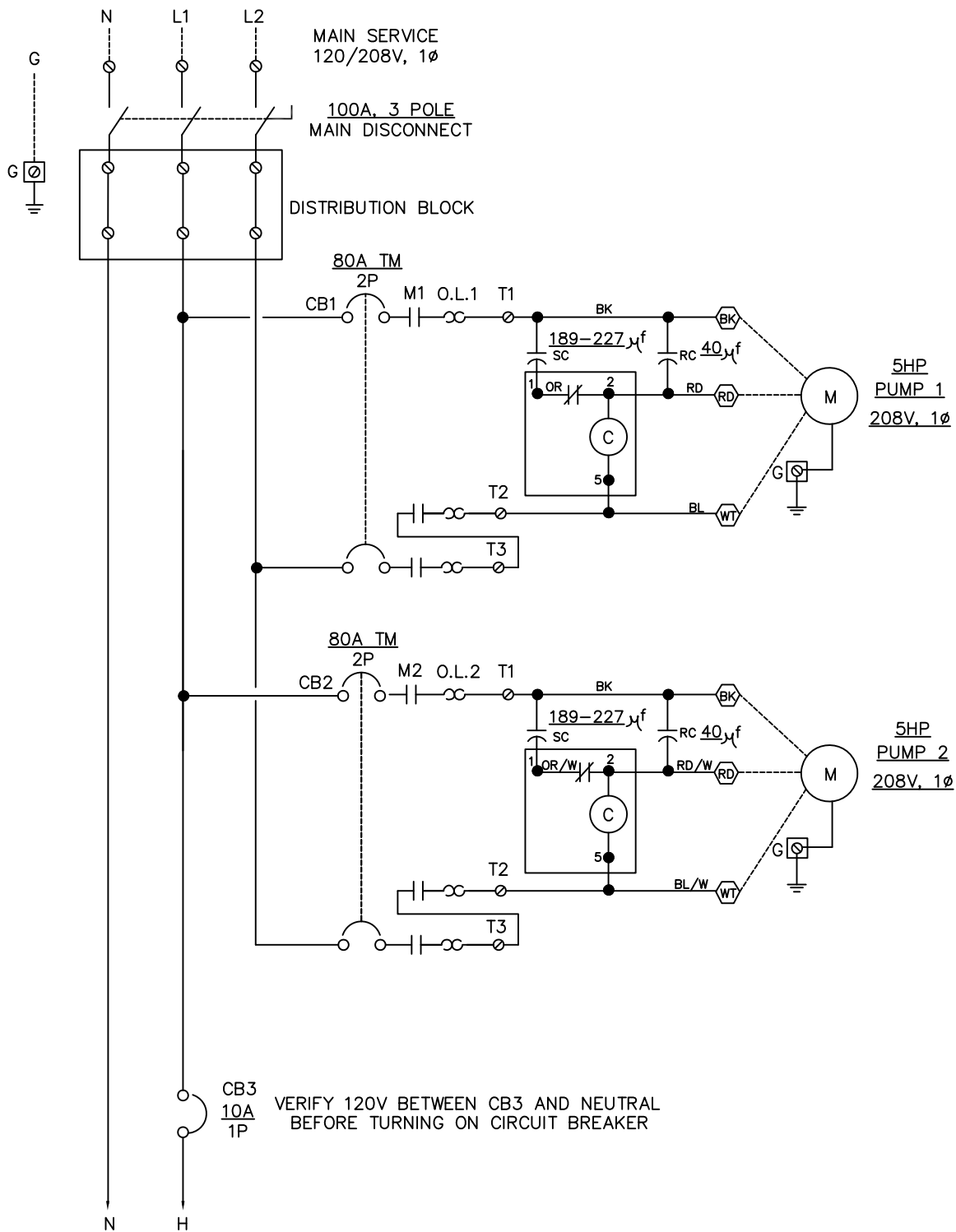
OPTIONS:

| | | |
|----------------------------------|---|----------------------------|
| SEAL FAIL LIGHTS | | (Submersible Only) |
| SEAL FAIL RELAYS | | (Submersible Only) |
| SEAL FAIL PUMP SHUTDOWN | | (Submersible Only) |
| HT PUMP SHUTDOWN | X | (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 | X | |
| INTRINSICALLY SAFE RELAYS | | |
| HIGH TEMP. LOCKOUT, MANUAL RESET | | |
| ECONOMY VERSION | | |

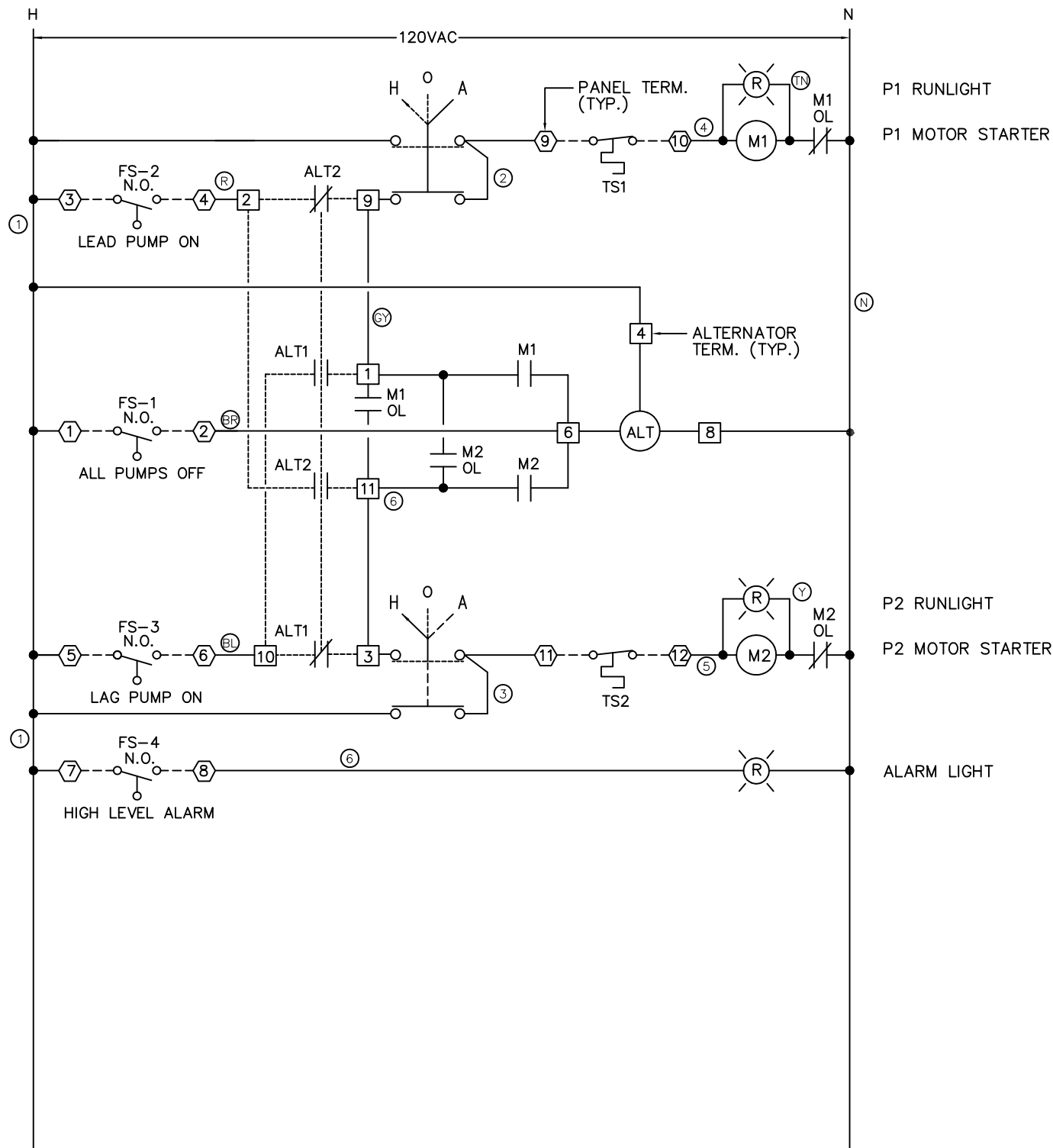
SOLD TO: Delta Process - New Orleans, LA
TAG : FEMA TRAILER PARK - COPLAND

SHIP TO: Delta Process - Ruston, LA

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| | Drawing Title | | | | | | |
| | PANEL DESCRIPTION | | | | | | |
| | | | | | | | |
| DATE 4/17/06 | | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | DRAWN BY C. RACHAL | ECN | DATE |
| | Project Title | <div>COX</div> <div>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-2362 SHEET NUMBER 1 |
| | DUPLEX PUMP CONTROL PANEL | | | | | | |

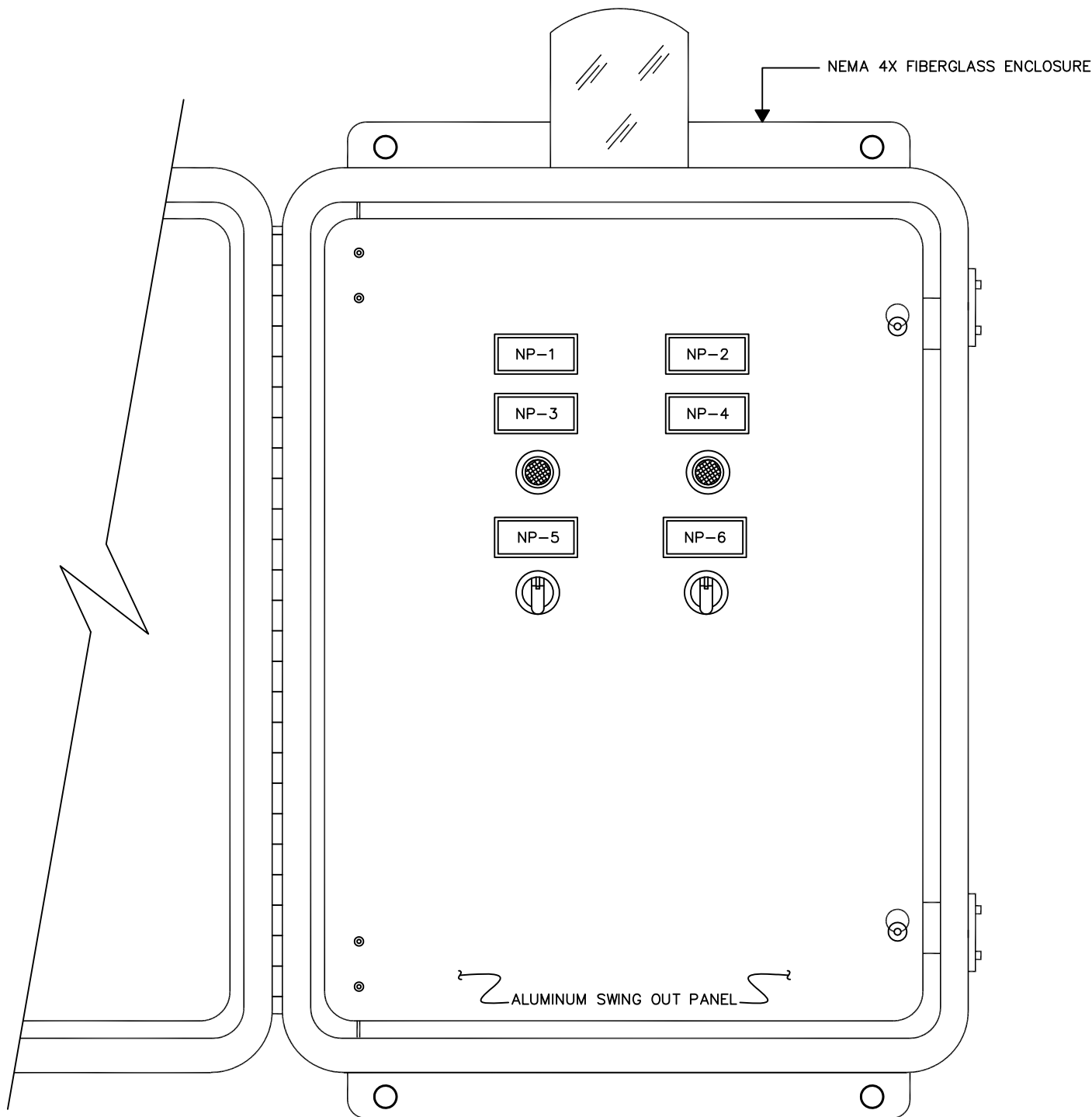


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|-----------------|------------------------------|---|------------------------|------------------------------|--|---------------------------|----|--|--|
| | Drawing Title | | | | | | | | |
| | POWER DIAGRAM | | | | | | | | |
| DATE 4/17/06 | | REFERENCE DRAWING | NO. | REVISION-LOCATION | ECN | DATE | BY | | |
| | | S/N | Sales Engineer C.C. | Application Engineer R.C. | BY C. RACHAL | APPROVED | | | |
| | Project Title | | | | P.O. Box 77808 Baton Rouge, LA 70809 | PURCHASE ORDER NUMBER | | | |
| | DUPLEX PUMP CONTROL PANEL | <div>COX</div> <div>Research and Technology, Inc.</div> | | | Ph. (225)756-3271 Fax (225)755-1030 | DRAWING NUMBER CP-2362 | | | |
| | | | | | | SHEET NUMBER 2 | | | |



* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

| | | | | | | | | |
|-----------------|---|--|---|--|-------------------------------|--|--|--|
| | Drawing Title CONTROL DIAGRAM | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| DATE 4/17/06 | | | REFERENCE DRAWING S/N | | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | | ECN DRAWN BY C. RACHAL |
| | Project Title DUPLEX PUMP CONTROL PANEL | | <div>COX</div> <div>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-2362 SHEET NUMBER |
| | | | | | | | | 3 |



VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

| | |
|------|--------|
| NP-1 | PUMP 1 |
| NP-2 | PUMP 2 |
| NP-3 | RUN |
| NP-4 | RUN |
| NP-5 | HOA |
| NP-6 | HOA |

NOTE:

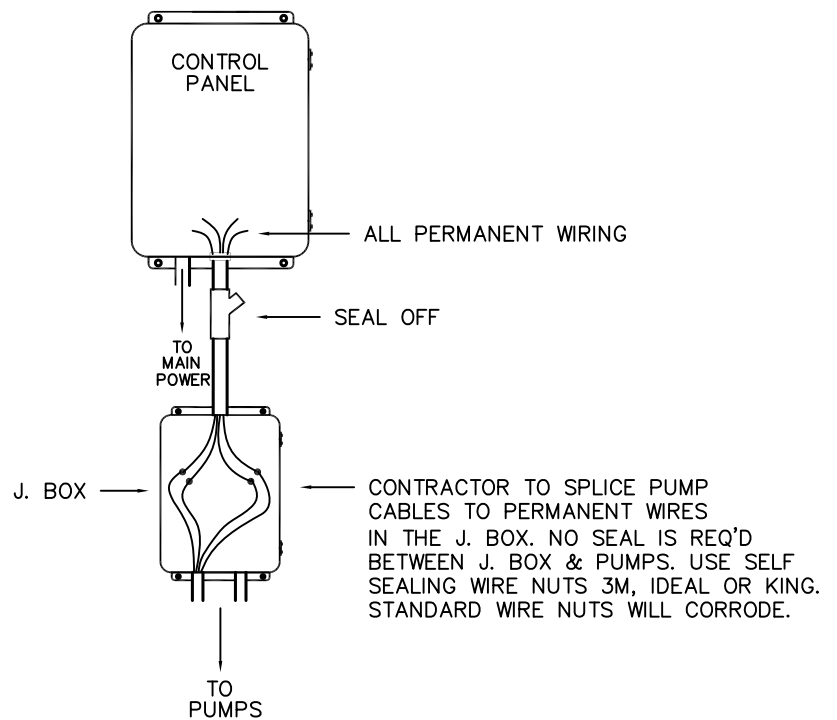
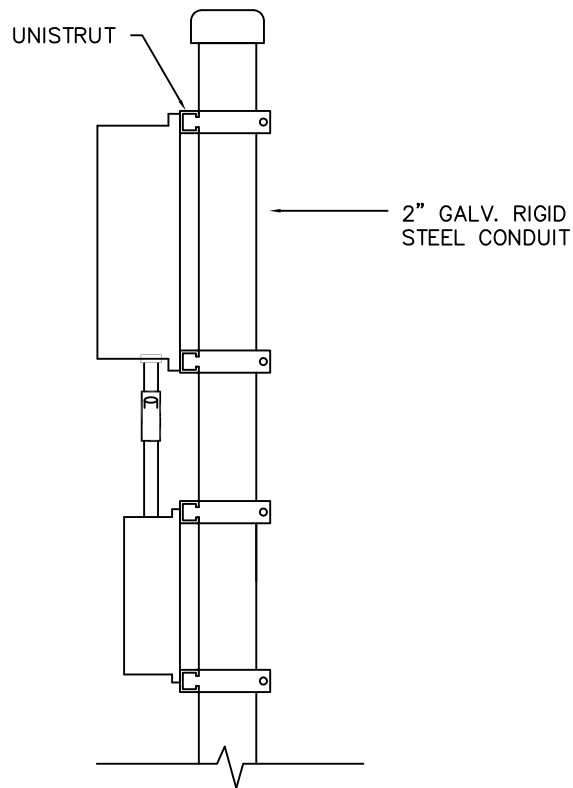
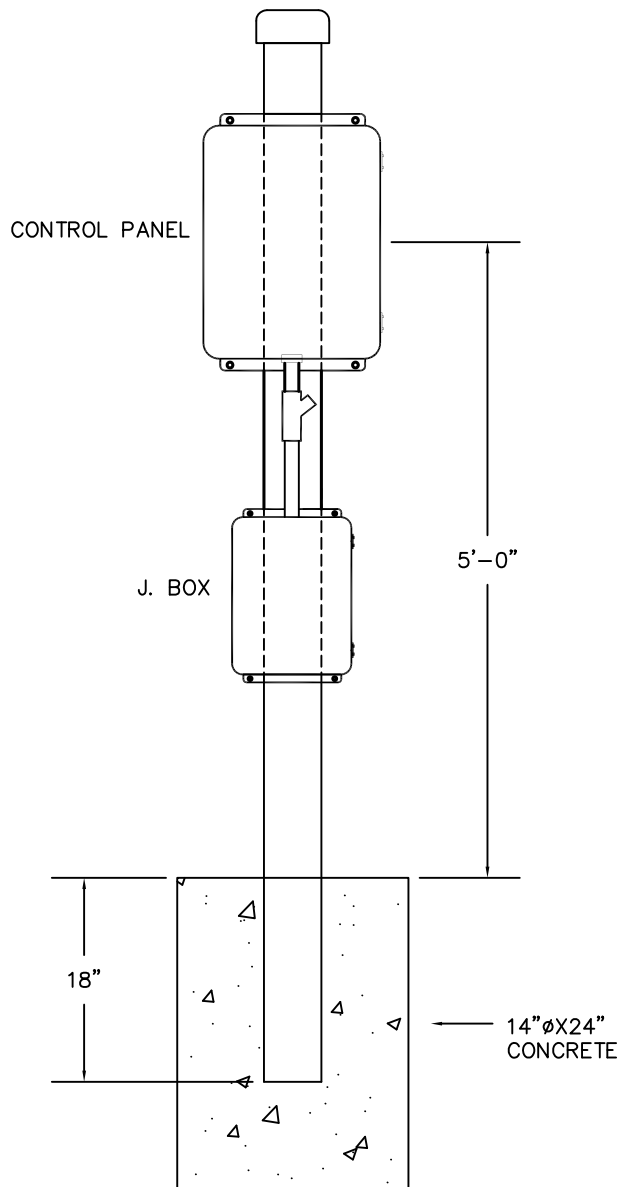
SEWER GASSES WILL DESTROY COMPONENTS IN PANEL.
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE
PANEL TO PREVENT ENTRY OF GASSES.

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| | Drawing Title < | |
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BILL OF MATERIALS

| ITEM | QTY | MANUFACTURER | PART NO. | DESCRIPTION |
|------|-----|--------------|--------------|---------------------------------|
| 1 | 1 | STAHLIN | RJ1816HPLDF | ENCLOSURE |
| 1a | 1 | STAHLIN | BP1816AL | BACKPLATE |
| 2 | 1 | MARATHON | 1323580 | DISTRIBUTION BLOCK |
| 3 | 2 | ABB | A50-30-11-84 | MOTOR STARTER |
| 4 | 2 | ABB | TA75DU52 | O.L. RELAY (36-52A) |
| 5 | 2 | SQUARE D | QOU280 | CB1, CB2 |
| 6 | 1 | TIMEMARK | 261DT120 | ALTERNATING RELAY |
| 7 | 2 | ACI | JR22FR | RED PILOT LIGHT |
| 8 | 2 | ACI | JR22P3M20B | HOA SWITCH |
| 9 | 1 | AC/DC | BL5-R-120 | ALARM LIGHT |
| 10 | 2 | CGE | 4CU59 | START CAPACITOR 189-227 μ f |
| 11 | 2 | GE | 2GE87 | RUN CAPACITOR 40 μ f |
| 12 | 2 | GE | 6X554 | START RELAY |
| 13 | 1 | SQUARE D | QOU110 | CB3 |
| 14 | 1 | ABB | OT100E3 | DISCONNECT SWITCH |
| 15 | 1 | STAHLIN | RJ1210HPL | J-BOX |
| 16 | 1 | STOCK | | SEAL OFF KIT |
| 17 | 2 | ABB | CAL5-11 | AUX. CONTACT |
| 18 | | | | |
| 19 | | | | |
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|-----------------|-------------------|---|-------------------------------|---|--|------|---|
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| | Project Title | <div style="border-top: 3px double black; border-bottom: 3px double black; padding: 5px;"> 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-2362 SHEET NUMBER 5 |



EXTERNAL CONNECTIONS
TO PUMPS

| | | | | | | | | | |
|---------|------------------------------|-------------------|------------------------|------------------------------|-----------------------|----------|----|---------------------------|---|
| | Drawing Title | | | | | | | | |
| | MOUNTING DETAILS | | | | | | | | |
| DATE | | REFERENCE DRAWING | NO. | REVISION-LOCATION | ECN | DATE | BY | | |
| 4/17/06 | | S/N | Sales Engineer C.C. | Application Engineer R.C. | DRAWN BY C. RACHAL | APPROVED | | | |
| | Project Title | | | | | | | PURCHASE ORDER NUMBER | |
| | DUPLEX PUMP CONTROL PANEL | | | | | | | DRAWING NUMBER CP-2362 | |
| | | | | | | | | SHEET NUMBER | 6 |

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