
COX

Research and Technology, Inc.

DUPLEX PUMP
CONTROL PANEL
WAR VETERANS HOME
BOSSIER CITY

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

| | | |
|----------------------------------|--------------|--|
| VOLTAGE | 120/240V | (480V, 277/480V, 240V, 120/240V, 208V, 120/208V) |
| PHASE/HZ | 3/60 | |
| NO. MOTORS | 2 | |
| HP | 2 | |
| FLA | 9.0 | |
| TYPE OF PUMP | Submersible | (Self-Priming, Submersible) |
| MANUFACTURER | Barnes | |
| CATALOG NUMBER | SGVF2032L-MS | |
| | | |
| 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 | | |

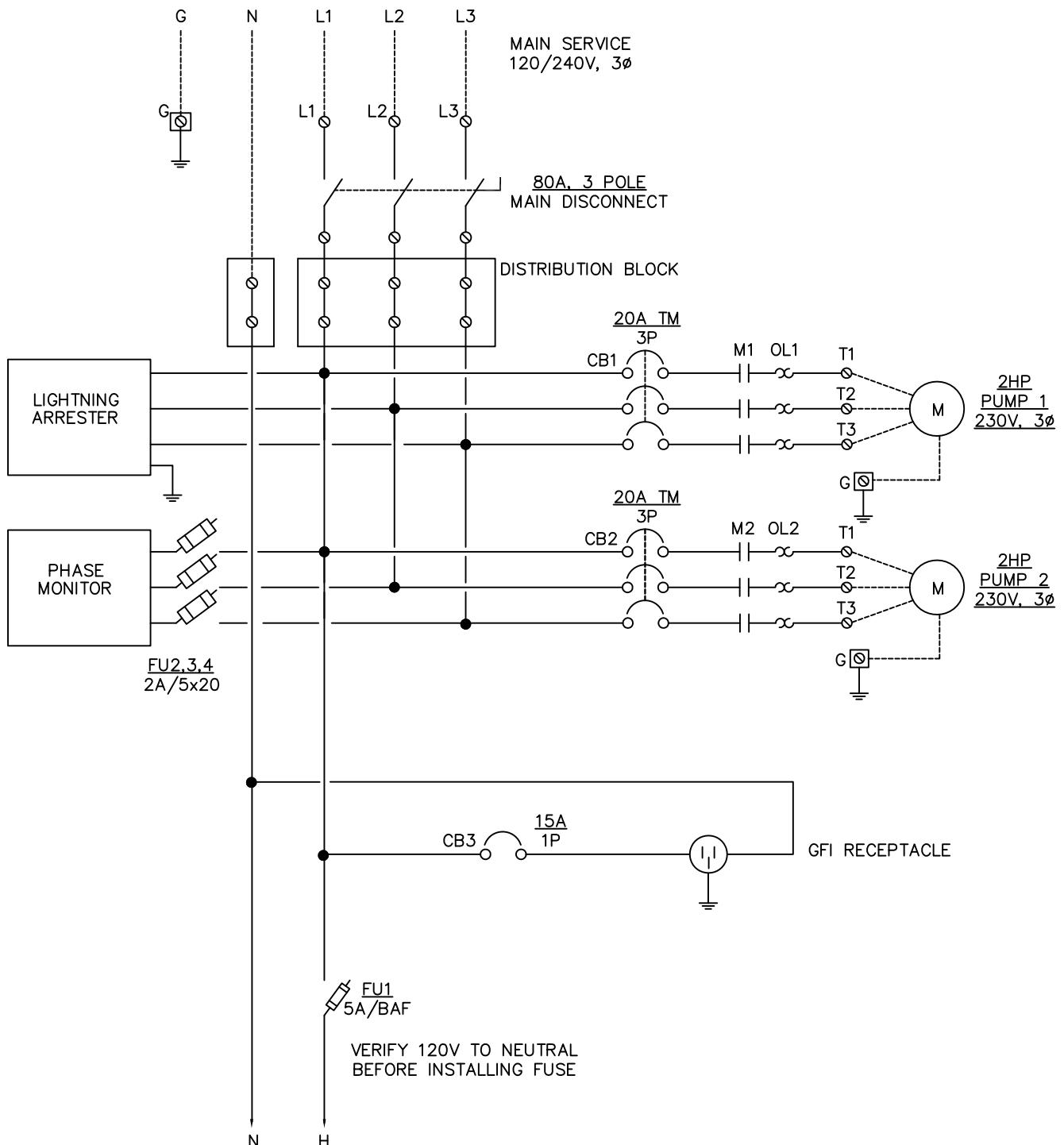
OPTIONS:

| | | |
|----------------------------------|---|----------------------------|
| SEAL FAIL LIGHTS | 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 | | |
| LIGHTNING ARRESTER | X | |
| ELAPSED TIME METER | X | |
| PHASE MONITOR | X | |
| NEMA RATED STARTERS | | |
| GROUND FAULT RECPT. | X | |
| GREEN RUN LIGHTS VS. RED | | |
| POLE, BOX, SEAL | | |
| INTRINSICALLY SAFE RELAYS | | |
| HIGH TEMP. LOCKOUT, MANUAL RESET | | |
| ECONOMY VERSION | | |

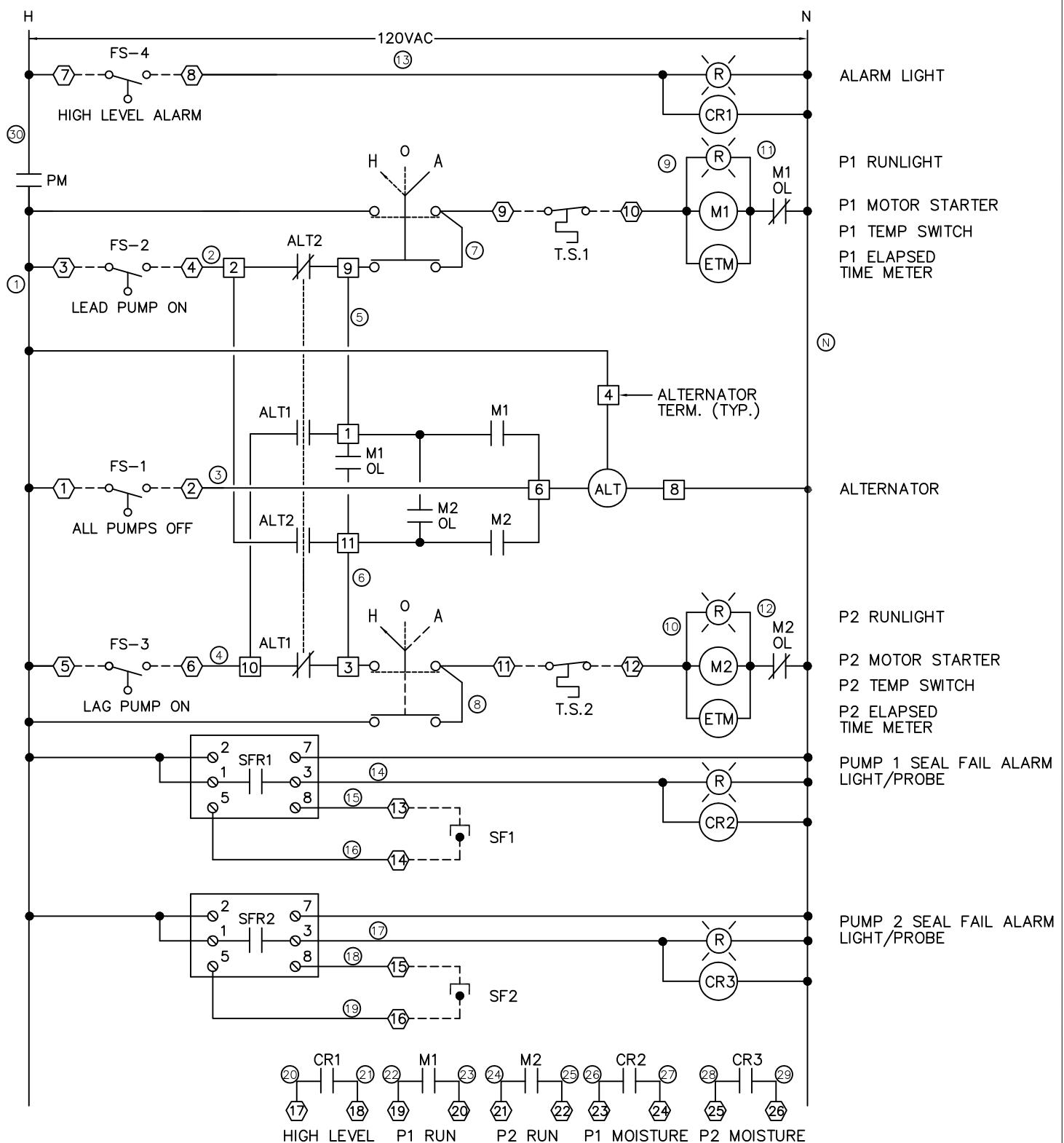
SOLD TO: Delta Process - Bossier City, LA
TAG : War Veterans Home
Bossier City

SHIP TO: Delta Process - Ruston, LA

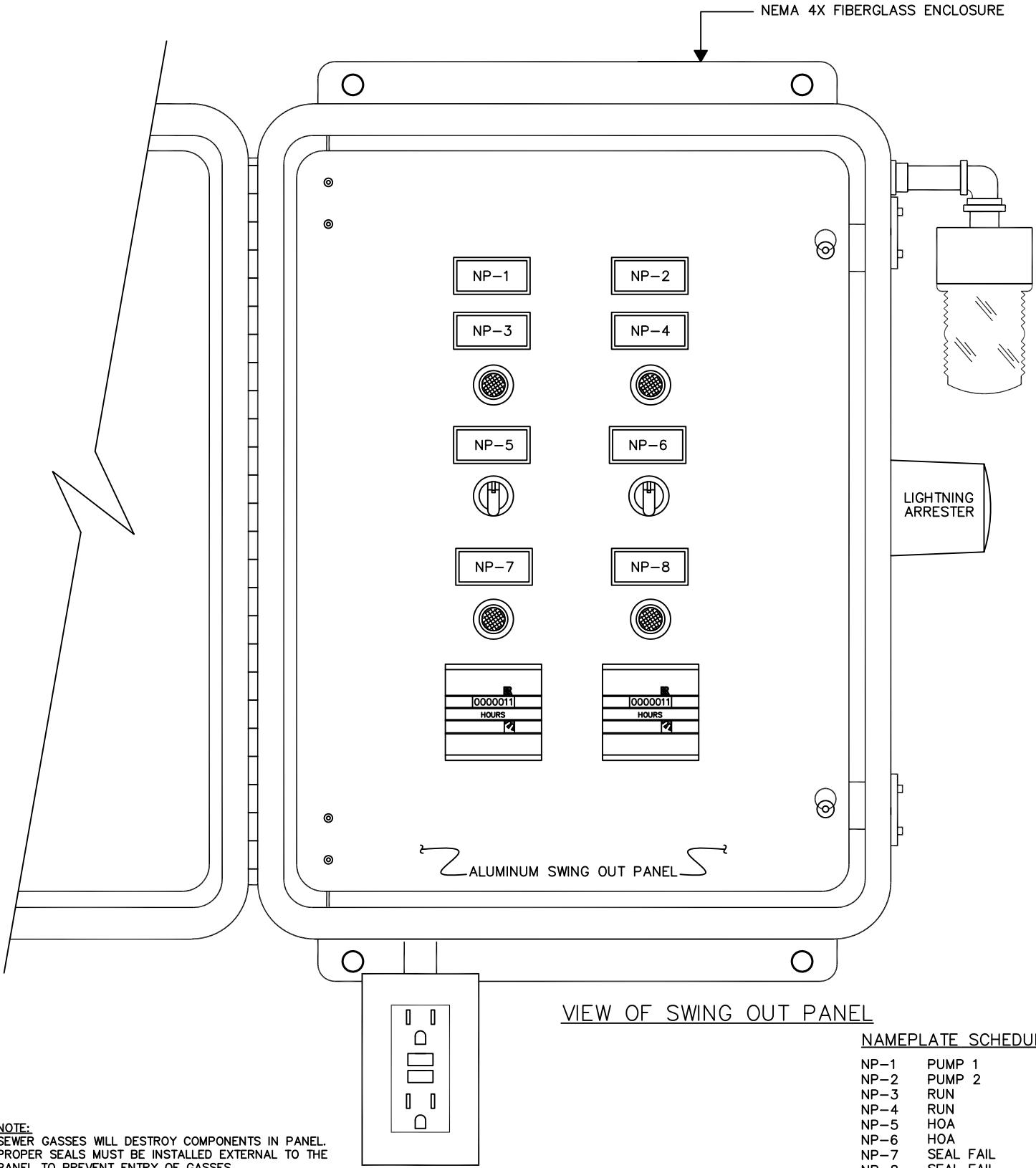
| Drawing Title | PANEL DESCRIPTION | REFERENCE DRAWING | | NO. C.C. | REVISION-LOCATION | | ECN DRAWN BY C. RACHAL | DATE APPROVED BY DATE |
|------------------|---|-------------------|----------------|-------------|----------------------|-------------|--|---|
| | | S/N | Sales Engineer | | Application Engineer | DRAWN BY | | |
| DATE 10/24/05 | Project Title DUPLEX PUMP CONTROL PANEL | | | | | | P.O. Box 77808 Baton Rouge, LA 70809 | PURCHASE ORDER NUMBER DRAWING NUMBER CP-2189 SHEET NUMBER 1 |
| | | | | | | | Ph. (225)756-3271 Fax (225)755-1030 | |



| | | | | | |
|------------------|---|---|--|---|----------------------------|
| | Drawing Title POWER DIAGRAM | | | | |
| | | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION DRAWN BY C. RACHAL | ECN APPROVED BY DATE |
| DATE 10/24/05 | | Application Engineer R.C. | | | |
| | 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)755-1030 | PURCHASE ORDER NUMBER DRAWING NUMBER CP-2189 SHEET NUMBER 2 | |



| | | | | | |
|---|--------------------------------------|--------------------------------------|-------------------------------|--|---|
| | Drawing Title CONTROL DIAGRAM | | | | |
| DATE 10/24/05 | | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION DRAWN BY C. RACHAL | ECN 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)755-1030 | PURCHASE ORDER NUMBER DRAWING NUMBER CP-2189 SHEET NUMBER 3 |



| | | | | | | | |
|---|---|-------------|--|---|-----------------------------|--|--|
| | Drawing Title | | | | | | |
| | ENCLOSURE | | | | | | |
| DATE 10/24/05 | REFERENCE DRAWING S/N | NO. C.C. | REVISION-LOCATION DRAWN BY C. RACHAL | ECN | 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)755-1030 | PURCHASE ORDER NUMBER DRAWING NUMBER CP-2189 SHEET NUMBER 4 | | | |

BILL OF MATERIALS

| ITEM | QTY | MANUFACTURER | PART NO. | DESCRIPTION |
|------|-----|--------------|-------------|----------------------|
| 1 | 1 | STAHLIN | RJ1816HPLDF | ENCLOSURE |
| 1a | 1 | STAHLIN | BP1816AL | BACKPLATE |
| 2 | 1 | ABB | OT63E3 | MAIN DISC. SWITCH |
| 3 | 2 | C-H | CE15BNS3AB | MOTOR STARTER |
| 4 | 2 | C-H | C316FNA3P | O.L. RELAY (7.5-11A) |
| 5 | 2 | SQUARE D | QOU320 | CB1, CB2 |
| 6 | 1 | TIMEMARK | 261DT120 | ALTERNATING RELAY |
| 7 | 4 | ACI | JR22FR | RED PILOT LIGHT |
| 8 | 2 | ACI | JR22P3M20B | HOA SWITCH |
| 9 | 1 | TOMAR | 490S-120 | ALARM LIGHT |
| 10 | 1 | MARATHON | 1323580 | DISTRIBUTION BLOCK |
| 11 | 1 | MARATHON | 1321580 | NEUTRAL BLOCK |
| 12 | 1 | SSAC | PLMU11 | PHASE MONITOR |
| 13 | 1 | DELTA | LA603 | LIGHTNING ARRESTER |
| 14 | 2 | REDINGTON | 711-0190 | ETM |
| 15 | 2 | SSAC | LLC54AA | SEAL FAIL RELAY |
| 16 | 1 | SQUARE D | QOU115 | CB3 |
| 17 | 1 | STOCK | | GFI RECEPTACLE |
| 18 | 3 | IDECA | RH1UAC120 | CR1-3 |
| 19 | 2 | ABB | CAL5-11 | AUXILIARY CONTACTS |
| 20 | | | | |
| 21 | | | | |
| 22 | | | | |
| 23 | | | | |
| 24 | | | | |
| 25 | | | | |

| | | | | | | | |
|------------------|------------------------------|------------------------------|--|-----|---------------------------|----|---------------------|
| | Drawing Title | | | | | | |
| | BILL OF MATERIALS | | | | | | |
| | | | | | | | |
| DATE 10/24/05 | REFERENCE DRAWING S/N | NO. C.C. | REVISION-LOCATION DRAWN BY C. RACHAL | ECN | DATE | BY | |
| | Sales Engineer | Application Engineer R.C. | | | | | APPROVED BY DATE |
| | Project Title | | COX Research and Technology, Inc. | | PURCHASE ORDER NUMBER | | |
| | DUPLEX PUMP CONTROL PANEL | | | | DRAWING NUMBER CP-2189 | | |
| | | | | | SHEET NUMBER 5 | | |