
COX

Research and Technology, Inc.

DUPLEX PUMP
BUBBLER
CONTROL PANEL
EUNICE WALMART

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 | 4 | |
| FLA | 12.4 | |
| TYPE OF PUMP | SUB | (Self-Priming, Submersible) |
| MANUFACTURER | GR | |
| CATALOG NUMBER | | |
| | | |
| CONTROL VOLTAGE | 120V | (120V, Other) |
| ENCLOSURE | 3R | (NEMA 1, NEMA 3R, NEMA 4, NEMA 4X) |
| ENCLOSURE MATERIAL | S.S. | (Painted Steel, Stainless Steel, Fiberglass) |
| CONTROL SENSOR | Bubbler | (Floats, Bubbler, Other) |
| CAPACITORS | No | (Yes, No) |
| CAPACITOR WIRING FIGURE | | |
| THERM. & SEAL FAIL WIRING FIGURE | | |

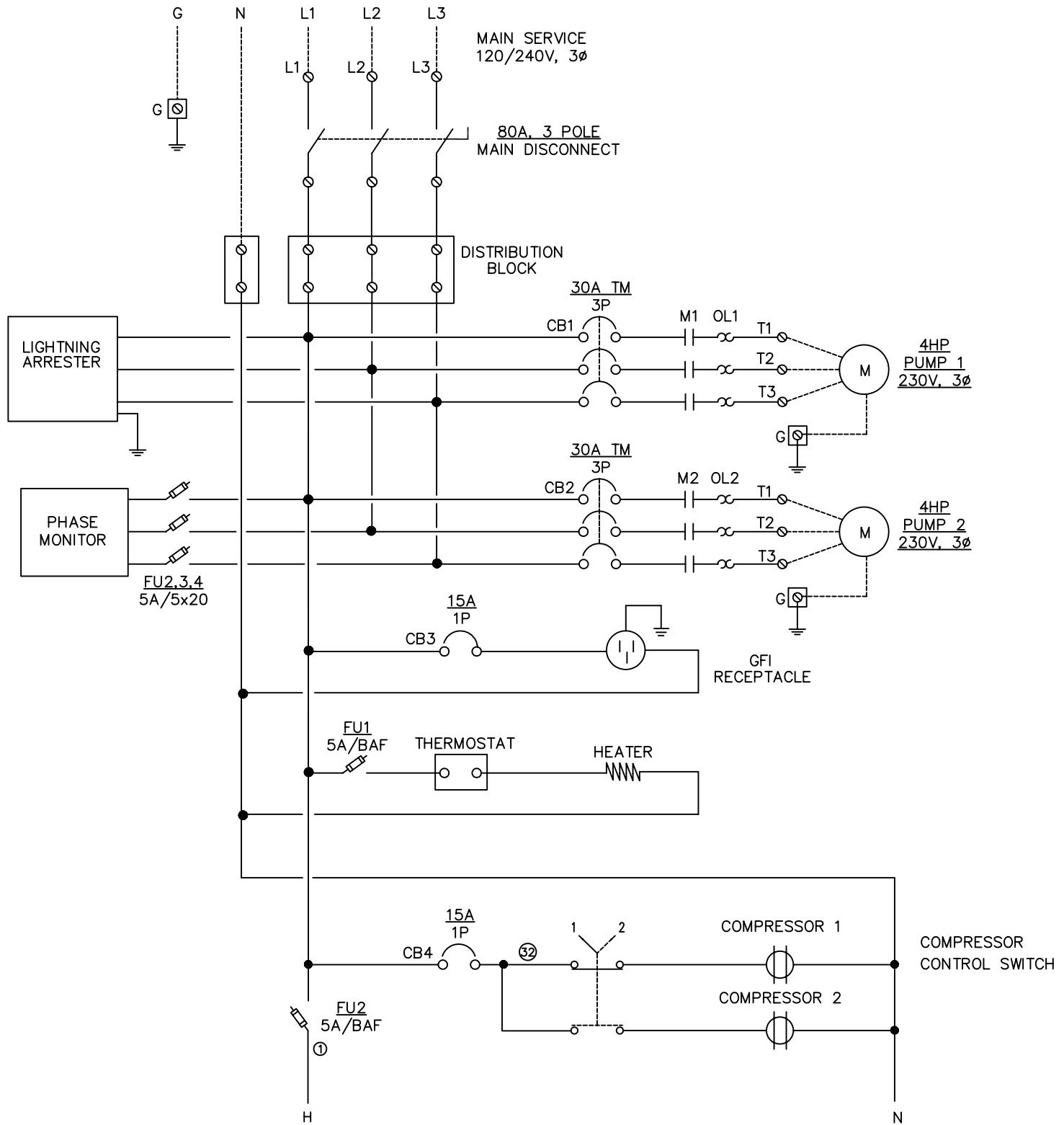
OPTIONS:

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

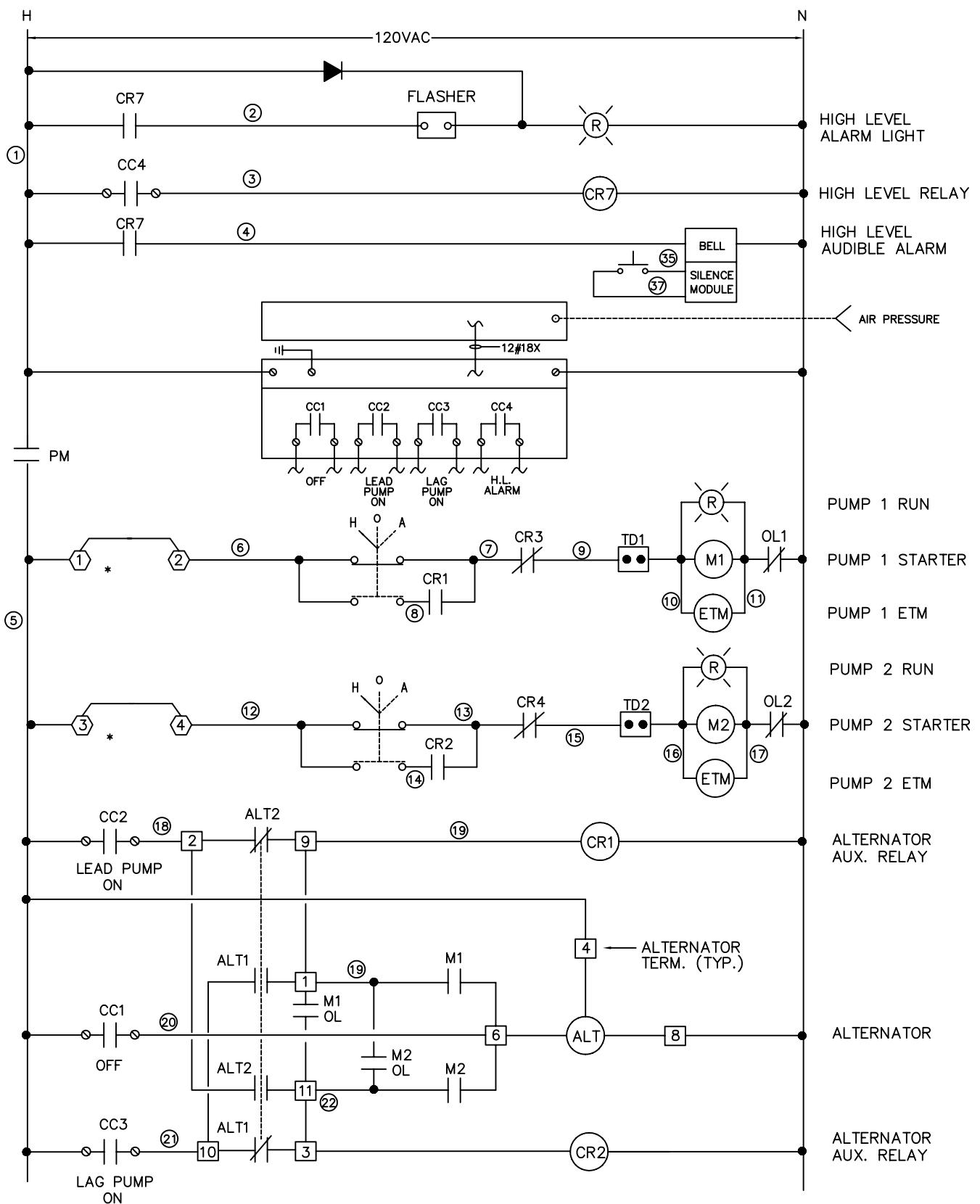
SOLD TO: Delta Process - Ruston, LA
TAG : EUNICE WALMART

SHIP TO: Delta Process - Ruston

| Drawing Title | PANEL DESCRIPTION | REFERENCE DRAWING | | NO. R.C. | REVISION-LOCATION | | ECN | DATE | BY |
|------------------|---|-------------------|------------------------|-------------|------------------------------|-----------------|--|-----------------------|---------|
| | | S/N | Sales Engineer C.C. | | Application Engineer R.C. | DRAWN BY CTR | | | |
| DATE 12/08/05 | Project Title DUPLEX PUMP CONTROL PANEL | | | | | | P.O. Box 77808 Baton Rouge, LA 70809 | PURCHASE ORDER NUMBER | |
| | | | | | | | Ph. (225)756-3271 Fax (225)755-1030 | DRAWING NUMBER | CP-2218 |
| | | | | | | | | SHEET NUMBER | 1 |

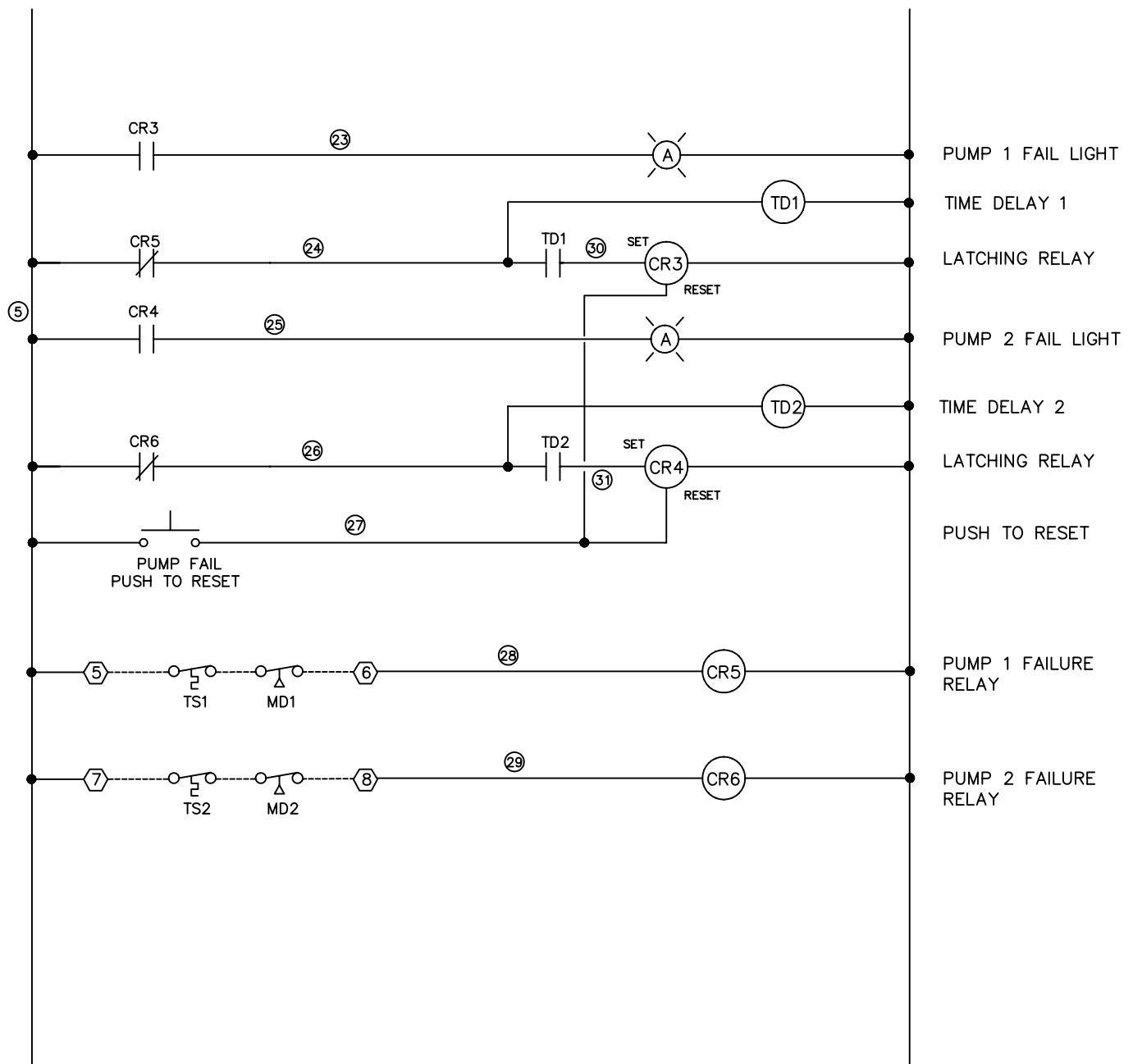


| | | | | | | | |
|------------------|---------------|--|------------------------|--|-----------------------|-----------------------|------|
| | POWER DIAGRAM | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | REFERENCE DRAWING | | NO. | REVISION-LOCATION | | ECN |
| DATE 12/08/05 | | S/N | Sales Engineer C.C. | Application Engineer R.C. | DRAWN BY C. RACHAL | APPROVED BY | DATE |
| | | | | | | | |
| | Project Title | <hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc. | | P.O. Box 77808 Baton Rouge, LA 70809 | | PURCHASE ORDER NUMBER | |
| | CONTROL PANEL | | | | | DRAWING NUMBER | |
| | | | | Ph. (225)756-3271 Fax (225)755-1030 | | CP-2218 | |
| | | | | | | SHEET NUMBER | |
| | | | | | | 2 | |

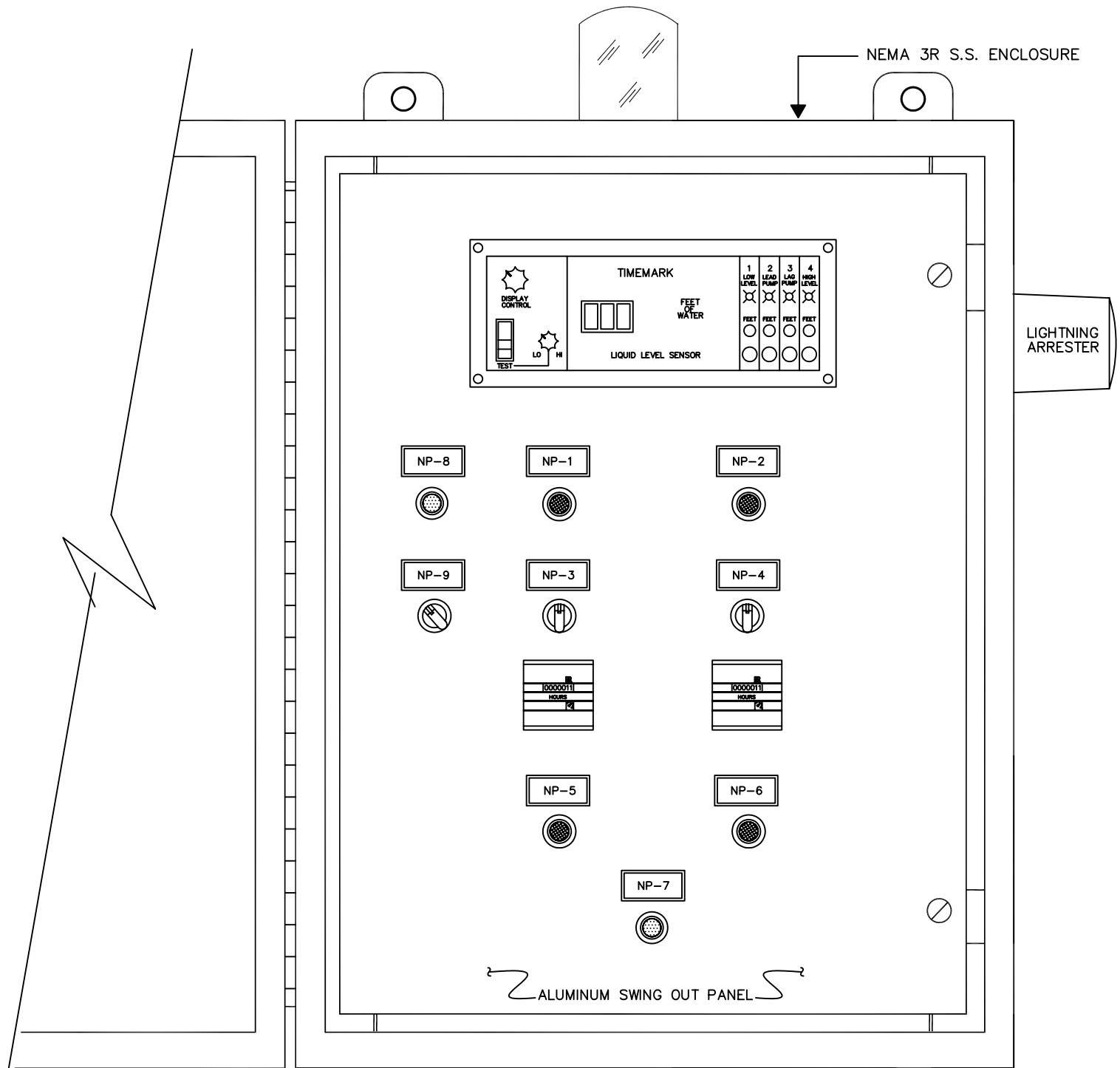


* REMOVE JUMPER & INSTALL
LOCKOUT DEVICES IF REQUIRED

| | | | | | | | | | |
|------------------|--------------------------------------|-------------------|--|------------------------------|--|--|---------------------------|------|----|
| | Drawing Title CONTROL DIAGRAM | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| DATE 12/08/05 | | REFERENCE DRAWING | | NO. | REVISION-LOCATION | | ECN | DATE | BY |
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| | DUPLEX PUMP CONTROL PANEL | | | | | | DRAWING NUMBER CP-2218 | | |
| | | | | | | | SHEET NUMBER 3 | | |



| | | | | | | |
|---|--------------------------------------|--|---|---|-----------------------------|----|
| | Drawing Title | | | | | |
| | CONTROL DIAGRAM | | | | | |
| DATE 12/08/05 | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | ECN DRAWN BY CTR | DATE APPROVED BY DATE | BY |
| 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-2218 SHEET NUMBER 4 | | |



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

VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

| | |
|------|-----------------|
| NP-1 | PUMP 1 RUN |
| NP-2 | PUMP 2 RUN |
| NP-3 | HOA |
| NP-4 | HOA |
| NP-5 | PUMP FAIL |
| NP-6 | PUMP FAIL |
| NP-7 | PUMP FAIL/RESET |
| NP-8 | PUSH TO SILENCE |
| NP-9 | COMP1-COMP 2 |

| | Drawing Title | | | | | |
|------------------|---|--|--|---|----------|----|
| | ENCLOSURE | | | | | |
| DATE 12/08/05 | REFERENCE DRAWING S/N | NO. C.C. | REVISION-LOCATION DRAWN BY CTR | ECN | DATE | BY |
| | Sales Engineer | Application Engineer R.C. | | | APPROVED | |
| | | | | | | |
| | Project Title DUPLEX PUMP CONTROL PANEL | <hr/> <hr/> <hr/> COX <hr/> <hr/> <hr/> Research and Technology, Inc. <hr/> <hr/> <hr/> | P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030 | PURCHASE ORDER NUMBER DRAWING NUMBER CP-2218 SHEET NUMBER 5 | | |

BILL OF MATERIALS

| ITEM | QTY | MANUFACTURER | PART NO. | DESCRIPTION |
|------|-----|--------------|----------------|--------------------|
| 1 | 1 | C&I | C-362412SRH | ENCLOSURE |
| 1a | 1 | C&I | CI-3624P | BACKPLATE |
| 1b | 1 | C&I | CI-A3624P | DEAD FRONT |
| 2 | 2 | ABB | A26N1-30-10-84 | STARTER |
| 3 | 2 | ABB | TA25DU14 | O.L. (10-14A) |
| 4 | 2 | SQUARE D | QOU330 | CIRCUIT BREAKER |
| 5 | 1 | SSAC | PLMU11 | PHASE MONITOR |
| 6 | 1 | SQUARE D | QOU115 | CB3 |
| 7 | 1 | TIMEMARK | 404 | CONTROLLER |
| 8 | 1 | TIMEMARK | 448 | RELAY BOARD |
| 9 | 1 | TIMEMARK | 261DT120 | ALTERNATOR |
| 10 | 2 | REDINGTON | 711-0190 | ETM |
| 11 | 2 | MAGNECRAFT | W388AMLCPX-9 | CR3,4 |
| 12 | 5 | IDECK | RU2SA110 | CR1,2,5,6,7 |
| 13 | 2 | INGRAM | HR10WB3 | COMPRESSOR |
| 14 | 2 | OMRON | H3YN2AC120 | T.D. RELAYS |
| 15 | 2 | ACI | JR22FR | RED LIGHT |
| 16 | 2 | ACI | JR22P3M20B | HOA |
| 17 | 2 | ACI | JR22AN11B | P.B. |
| 18 | 2 | ACI | JR22FY | AMBER LIGHT |
| 19 | 2 | INGRAM | HR10WB3 MTBK | COMPRESSOR BRACKET |
| 20 | 1 | MARATHON | 1323580 | DIST. BLOCK |
| 21 | 1 | MARATHON | 1321580 | NEUTRAL BLOCK |
| 22 | 1 | SSAC | FS126RC | FLASHER |
| 23 | 1 | INGRAM | PW120AB | BELL |
| 24 | 1 | INGRAM | SM120A | SILENCE MODULE |
| 25 | 1 | DAYTON | 4BA54 | HEATER |
| 26 | 1 | SAGINAW | SCE-TESRED | THERMOSTAT |
| 27 | 1 | AC/DC | BL5-R-120 | ALARM LIGHT |
| 28 | 1 | DELTA | LA603 | LIGHTNING ARRESTER |
| | | | | |
| | | | | |
| | | | | |

| | | | | | | | |
|--|---|--|--|------------------------------|--------|----------|------|
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| | | S/N | Sales Engineer C.C. | Application Engineer R.C. | DRAWN | APPROVED | |
| | | | | | BY CTR | BY | DATE |
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| | | | Ph. (225)756-3271 Fax (225)755-1030 | DRAWING NUMBER CP-2218 | | | |
| | | | | SHEET NUMBER 6 | | | |