
COX

Research and Technology, Inc.

TRIPLEX PUMP CONTROL PANEL PLAQUEMINE PARISH

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

CP-1973

| | | |
|----------------------------------|---------------------|--|
| VOLTAGE | <u>277/480V</u> | (480V, 277/480V, 240V, 120/240V, 208V, 120/208V) |
| PHASE/HZ | <u>3/60</u> | |
| NO. MOTORS | <u>3</u> | |
| HP | <u>40</u> | |
| FLA | <u>52</u> | |
| TYPE OF PUMP | <u>Above Ground</u> | (Self-Priming, Submersible) |
| MANUFACTURER | <u>Gorman Rupp</u> | |
| CATALOG NUMBER | | |
| | | |
| CONTROL VOLTAGE | <u>120V</u> | (120V, Other) |
| ENCLOSURE | <u>NEMA 3R</u> | (NEMA 1, NEMA 3R, NEMA 4, NEMA 4X) |
| ENCLOSURE MATERIAL | <u>S.S.</u> | (Painted Steel, Stainless Steel, Fiberglass) |
| CONTROL SENSOR | <u>TRANSDUCER</u> | (Floats, Bubbler, Other) |
| CAPACITORS | <u>No</u> | (Yes, No) |
| CAPACITOR WIRING FIGURE | <u>N/A</u> | |
| THERM. & SEAL FAIL WIRING FIGURE | | |

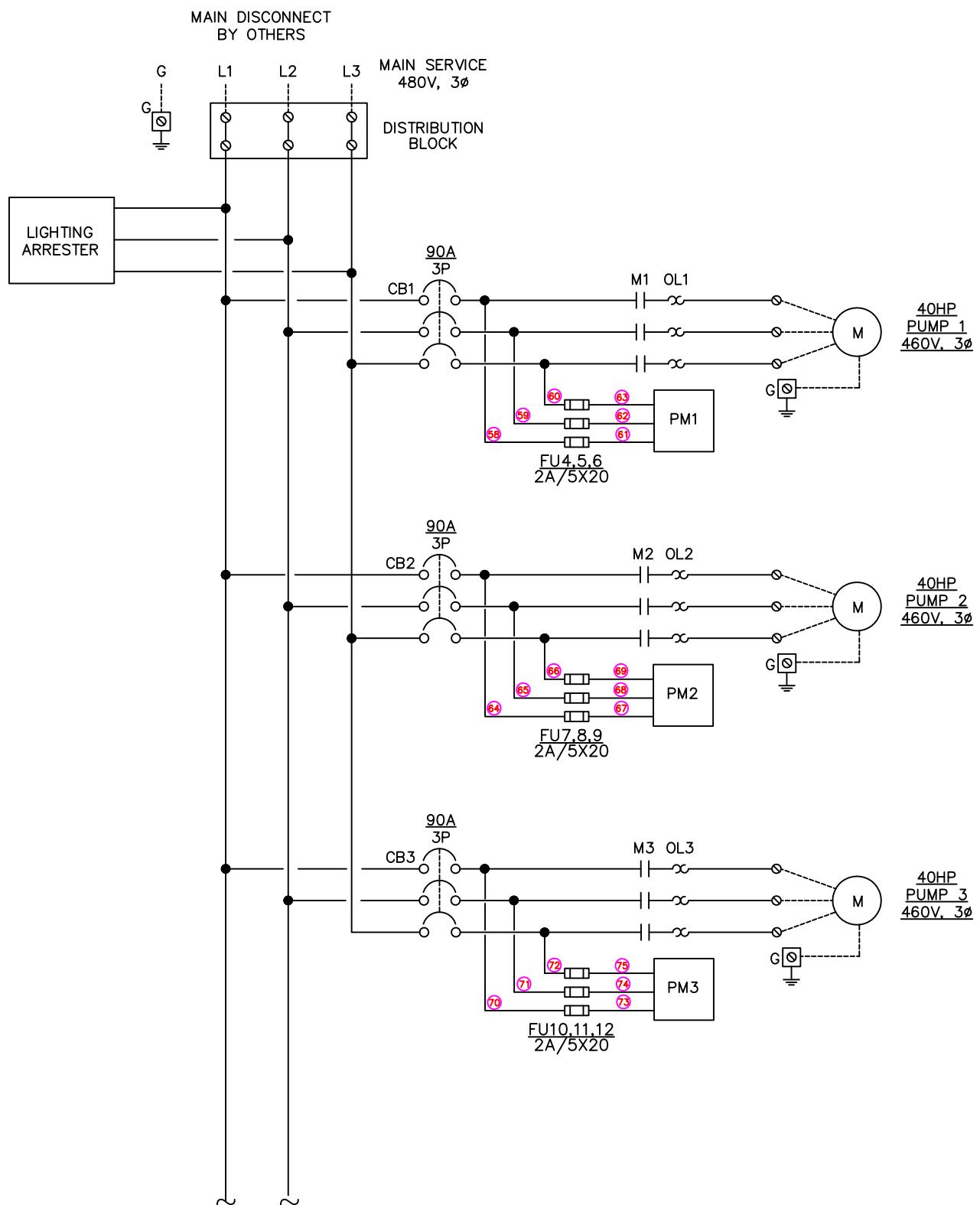
OPTIONS:

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

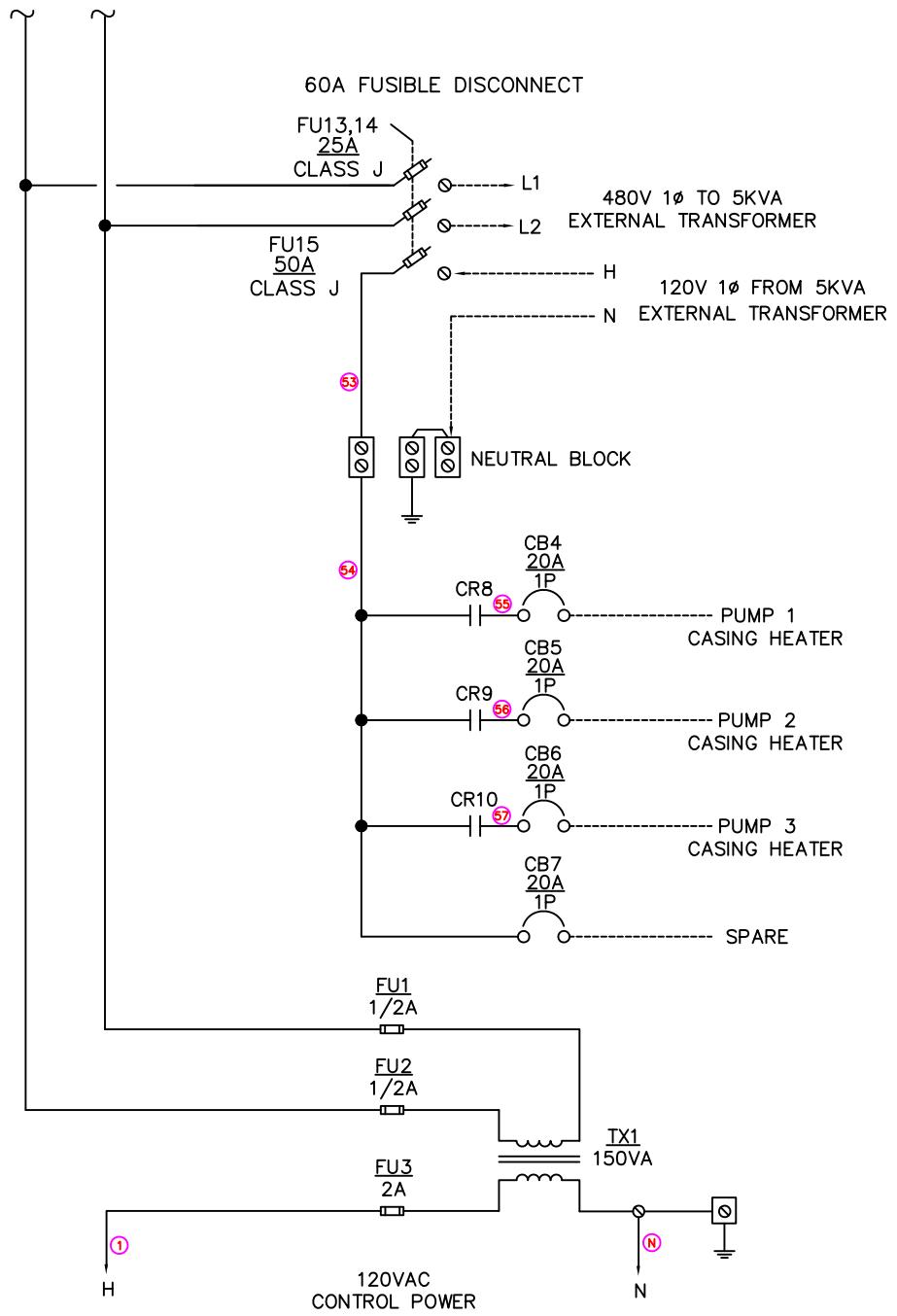
SOLD TO: Delta Process - New Orleans, LA
TAG : Plaquemine

SHIP TO: Delta Process - Denham Springs, LA

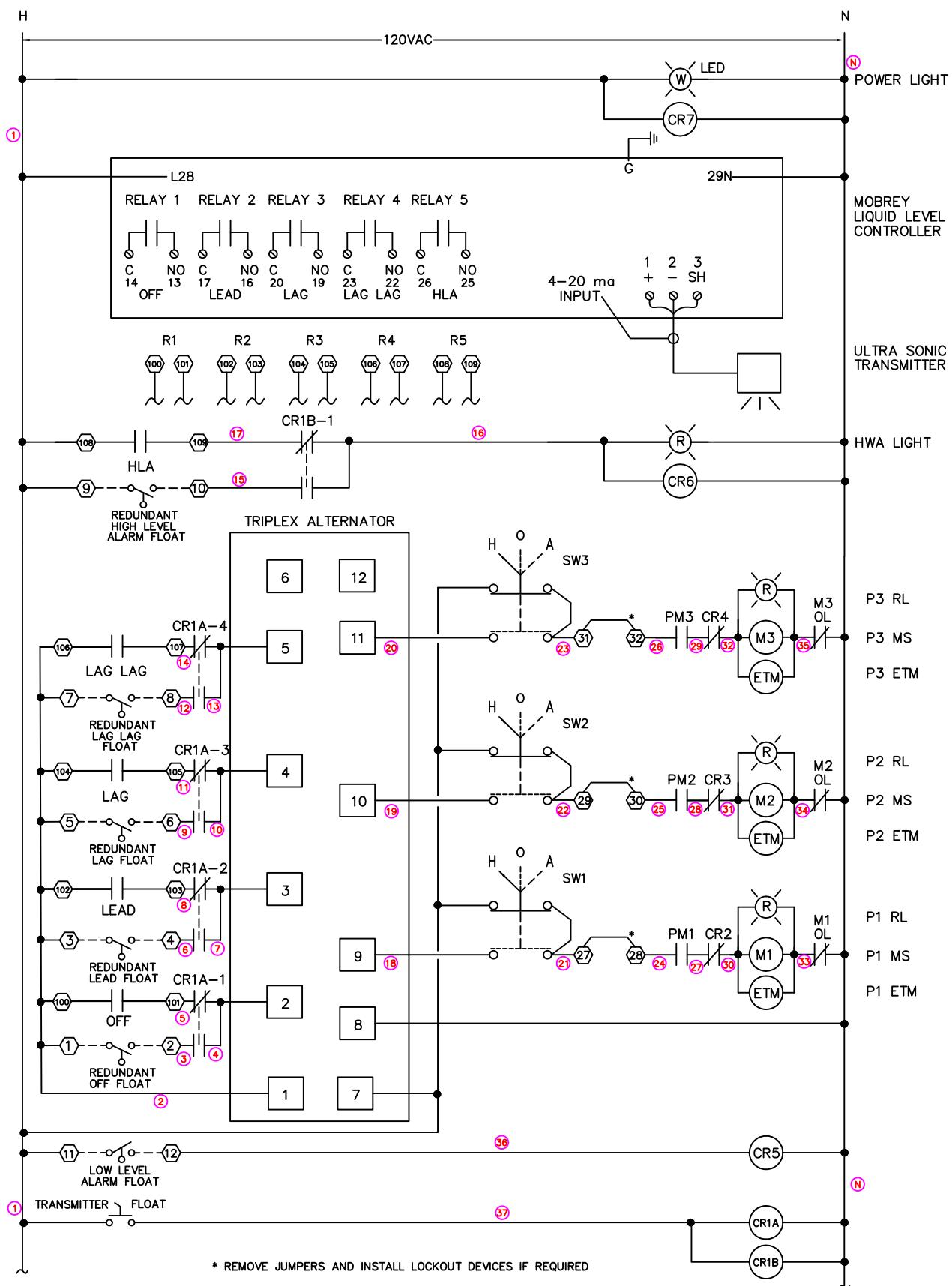
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|-----------------|-------------------------------|--|----------------|--|---------------------------|----------|------|
| | Drawing Title | | | | | | |
| | PANEL DESCRIPTION | | | | | | |
| | | REFERENCE DRAWING | NO. | REVISION-LOCATION | ECN | DATE | BY |
| DATE 1/06/05 | | S/N | Sales Engineer | Application Engineer | DRAWN | APPROVED | |
| | | | C.C. | R.C. | BY CTR | BY | DATE |
| | Project Title | <u> </u> | | P.O. Box 77808 Baton Rouge, LA 70809 | PURCHASE ORDER NUMBER | | |
| | TRIPLEX PUMP CONTROL PANEL | <u>COX</u> Research and Technology, Inc. <u> </u> | | Ph. (225)756-3271 Fax (225)755-1030 | DRAWING NUMBER CP-1973 | | |
| | | | | | SHEET NUMBER 1 | | |



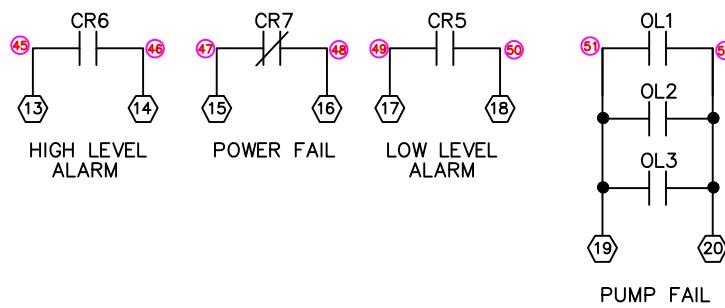
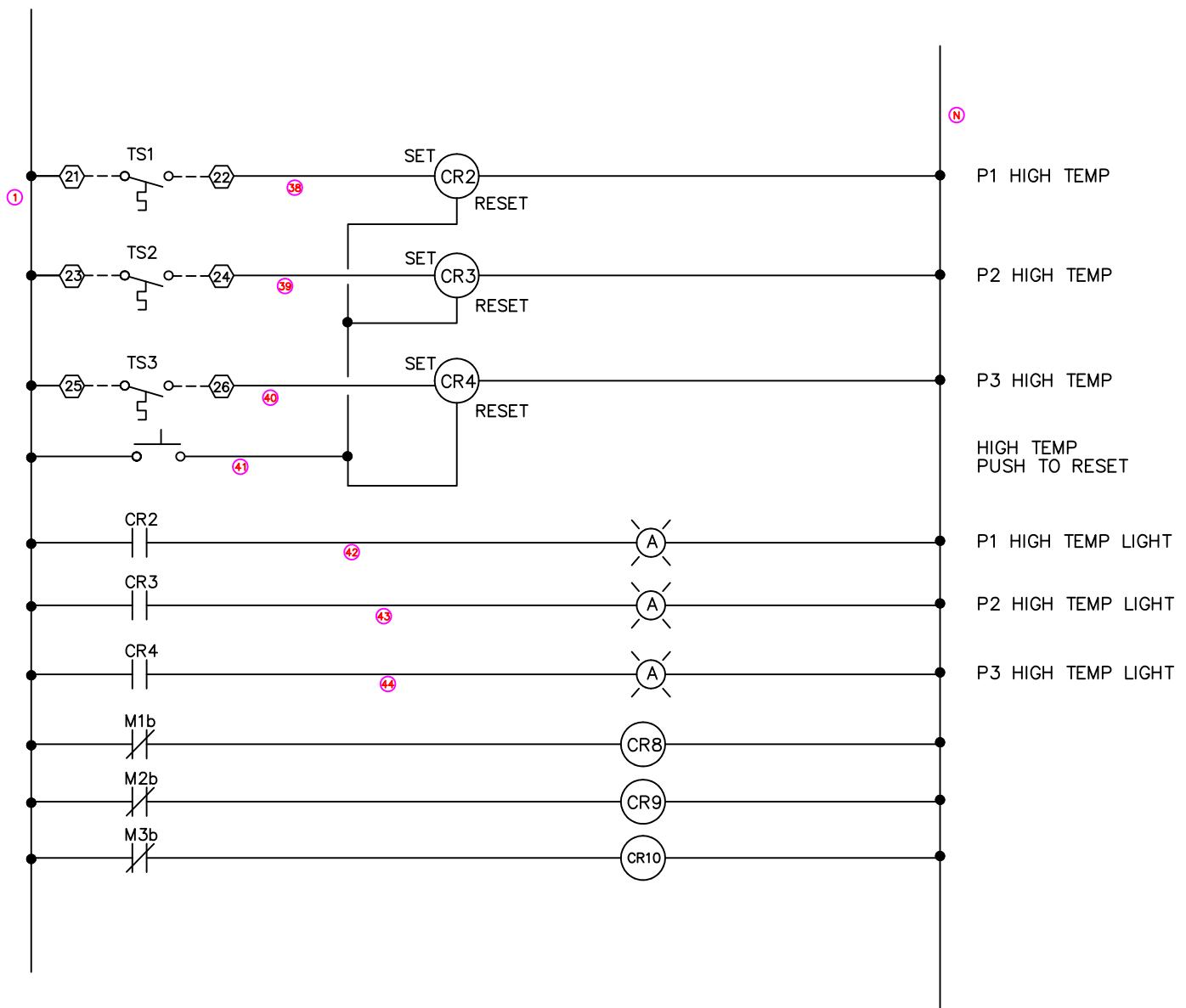
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| | Drawing Title | | | | | | |
| | POWER DIAGRAM | | | | | | |
| DATE 1/06/05 | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | ECN | DATE | BY | |
| | | | DRAWN BY CTR | | APPROVED BY DATE | | |
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| | | | | | SHEET NUMBER 2 | | |



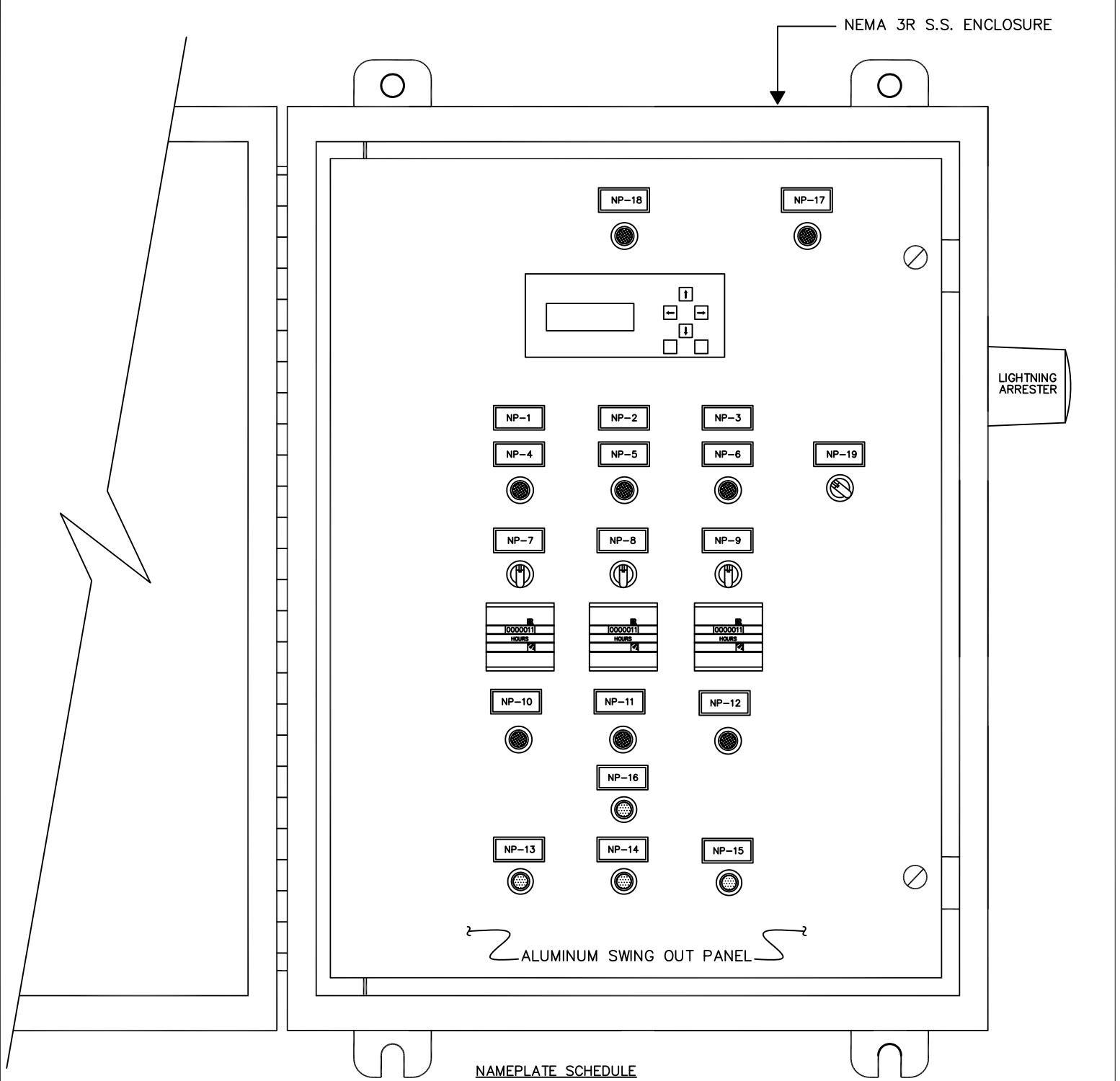
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| CONTROL DIAGRAM | | | | | | | |
| DATE 1/06/05 | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | ECN | DATE | BY | APPROVED |
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| | | | | | SHEET NUMBER 4 | | |



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|--|--------------------------------------|------------------------|-------------------------------|--|---|---------|
| | Drawing Title CONTROL DIAGRAM | | | | | |
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| DATE 1/06/05/ | S/N | Sales Engineer C.C. | Application Engineer R.C. | DRAWN BY CTR | APPROVED BY DATE | |
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NAMEPLATE SCHEDULE

| | | | |
|-------|-----------|-------|----------------------|
| NP-1 | PUMP 1 | NP-11 | HIGH TEMP |
| NP-2 | PUMP 2 | NP-12 | HIGH TEMP |
| NP-3 | PUMP 3 | NP-13 | O.L. RESET |
| NP-4 | RUN | NP-14 | O.L. RESET |
| NP-5 | RUN | NP-15 | O.L. RESET |
| NP-6 | RUN | NP-16 | HIGH TEMP RESET |
| NP-7 | HOA | NP-17 | POWER ON |
| NP-8 | HOA | NP-18 | HIGH LEVEL ALARM |
| NP-9 | HOA | NP-19 | TRANSMITTER - FLOATS |
| NP-10 | HIGH TEMP | | |

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

| | | | | | | |
|-----------------|-------------------------------|-------------------|-------------------------------|--|---------------------------|---------|
| | Drawing Title | | | | | |
| | ENCLOSURE | | | | | |
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| | | | | | SHEET NUMBER | 6 |

BILL OF MATERIALS

| ITEM | QTY | MANUFACTURER | PART NO. | DESCRIPTION |
|------|-----|----------------|----------------|-------------------------|
| 1 | 1 | EBE | S363012REPL | 3R S.S. ENCLOSURE |
| 1a | 1 | EBE | 3630P | BACK PLATE |
| 1b | 1 | EBE | A3630SP | DEAD FRONT |
| 2 | 1 | BUSSMANN | 16323-3 | DISTRIBUTION BLOCK |
| 3 | 3 | ABB | S1N090TL | CB 1,2,3 3P 90A |
| 4 | 3 | ABB | A75N3-30-11-84 | MS 1,2,3 |
| 5 | 3 | ABB | TA75DU63 | O.L. 1,2,3 (45-63A) |
| 6 | 1 | DIVERSIFIED | ARM-120-ACE | TRIPLEX ALTERNATOR |
| 7 | 3 | SSAC | PLMU-11 | PHASE MONITOR |
| 8 | 1 | DELTA | LA603 | LIGHTNING ARRESTOR |
| 9 | 1 | MOBREY | MCU9000 | LIQUID LEVEL CONTROLLER |
| 10 | 1 | MOBREY | MSP422 | TRANSMITTER 1-26 FT |
| 11 | 1 | SQD | 9070TF150D1 | TRANSFORMER 150 VA |
| 12 | 3 | A-B | 800H-JR2A | HOA |
| 13 | 3 | A-B | 800H-QR10R | PILOT LIGHT-RED |
| 14 | 1 | A-B | 800H-AR2A | PUSH BUTTON |
| 15 | 1 | ABB | OS60J12 | FUSED DISCONNECT |
| 16 | 1 | ABB | OHB4 | DIRECT MOUNT HANDLE |
| 17 | 2 | FERRAZ SHAWMUT | AJT-25 | 25A CLASS J FUSE |
| 18 | 1 | FERRAZ SHAWMUT | AJT-50 | 50A CLASS J FUSE |
| 19 | 2 | MARATHON | 1321580 | DISTRIBUTION BLOCK |
| 20 | 4 | SQD | QOU120 | CB4-7 |
| 21 | 3 | A-B | 800H-QR10A | PILOT LIGHT-AMBER |
| 22 | 1 | A-B | 800H-HR2A | 2 POSITION SWITCH |
| 23 | 3 | REDINGTON | 711-0190 | ELAPSED TIME METER |
| 24 | 3 | MAGNECRAFT | W388AMLCPX-9 | CR2,3,4 |
| 25 | 2 | IDEC | RU4SA110 | CR1A,B |
| 26 | 1 | A-B | 800H-QR10W | PILOT LIGHT-WHITE |
| 27 | 3 | ABB | KPR3-104B | O.L. RESET P.B. |
| 28 | 3 | IDECK | RY2SA110 | CR5,6,7 |
| 29 | | | | |
| 30 | | | | |

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|-----------------|--|---|-------------------------------|---|--|---|------|
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