



DUPLEX PUMP  
CONTROL PANEL  
GONZALES #28

AS BUILTS

DECEMBER 9, 2021

SERIAL#87583

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Delta Process Equipment  
8275 Florida Blvd.  
Denham Springs, LA 70726  
(225) 665-1666 Fax (225) 665-1855

|                                  |
|----------------------------------|
| SOLD TO: Delta Process Equipment |
| TAG: Gonzales #28 Duplex Pump    |
| Control Panel                    |

|          |
|----------|
| SHIP TO: |
| -        |
| -        |

|   |
|---|
| <b>SPECIAL NOTES:</b>                       |
| Panel includes 4 - 30' weighted Opti-Floats |

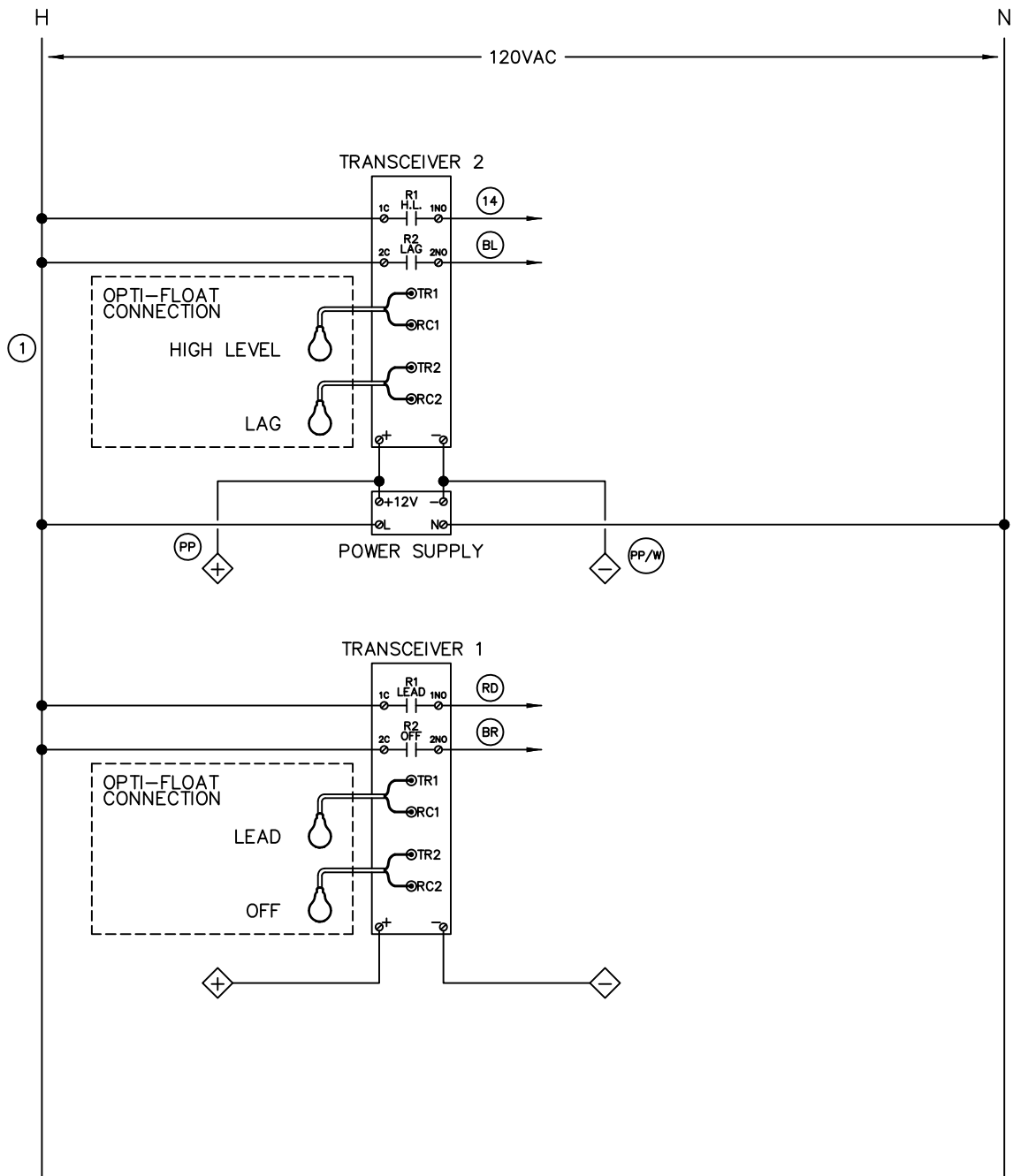
|                                     |             |
|-------------------------------------|-------------|
| Panel Type                          | Duplex      |
| Voltage                             | 240         |
| Phase/HZ                            | 3/60        |
| No. Motors                          | 2           |
| HP                                  | 7.5         |
| FLA                                 | 23.7        |
| Pump Manufacturer                   | Barnes      |
| Type of Pump                        | Submersible |
| Catalog Number                      | 3SCMPA75N4  |
| Capacitors                          | No          |
| Control Voltage                     | 120         |
| Control Power Transformer VA=3K,150 | Yes         |
| Enclosure NEMA Rating               | 4X          |
| Enclosure Material                  | Fiberglass  |
| Enclosure Size                      | 24x20x10    |
| Inner Swing Panel                   | Yes         |
| Control Sensor                      | Opti-Float  |
| UL508A Labeling                     | No          |
| UL698A Labeling                     | No          |

|   |   |
|---|---|
| Alarm Light - Panel Door Mount            |   |
| Alarm Light - Panel Top Mount             |   |
| Alarm Light - Remote                      | X |
| Alarm Test Switch                         |   |
| Alarm Silence Switch                      |   |
| Alarm Acknowledge Switch                  |   |
| Alternator with Lead Pump Selector Switch | X |
| Audible Alarm - Bell                      |   |
| Audible Alarm - Horn                      |   |
| Audible Alarm - Piezo                     |   |
| COX™ CAMO™ System                         |   |
| Cycle Counters                            |   |
| Economy Version                           |   |
| Elapsed Time Meter                        | X |
| Flasher                                   |   |
| Green Run Lights vs. Red                  |   |
| Ground Fault Receptacle (Existing)        | X |
| High Temp Lights                          |   |
| High Temp Pump Shutdown - Auto Reset      | X |
| High Temp Pump Shutdown - Manual Reset    |   |
| Intrinsically Safe Relays Pts.            |   |
| Lightning Arrestor                        |   |
| Main Disconnect without Door Mt. Handle   | X |
| Opti-Float® Level Detector Pts.4          | X |
| Panel Heater / Thermostat W=              |   |
| Phase Monitor                             |   |
| Pole, Box, Seal                           |   |
| Seal Fail Lights                          | X |
| Seal Fail Relay - Fixed                   |   |
| Seal Fail Relay - Adjustable              | X |
| Seal Fail Shutdown                        |   |
| Starters - IEC                            | X |
| Starters - NEMA                           |   |
| Unpowered Alarm Circuits #                |   |

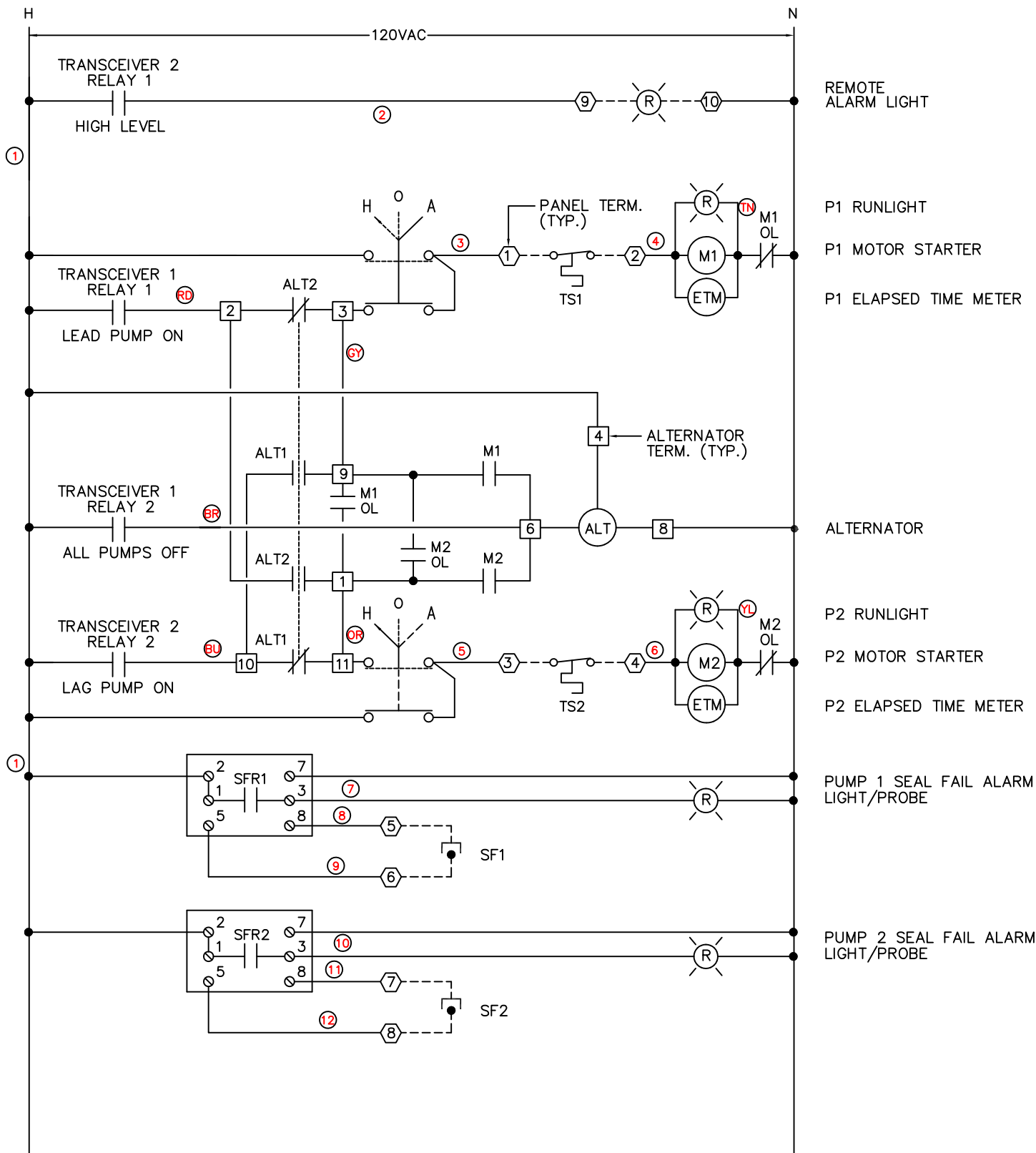
OTHER:

|                 |                              |   |                               |   |  |                             |      |
|-----------------|------------------------------|---|-------------------------------|---|--|-----------------------------|------|
|                 | Drawing Title                |   | R1                            | REPLACED BUCKET - 7.5 HP                          |  | 12/9/21                     | A.D. |
|                 | PANEL DESCRIPTION            |   |                               |   |  |                             |      |
|                 |                              |   |                               |   |  |                             |      |
| DATE<br>12/9/21 |                              | REFERENCE DRAWING<br>S/N                                | NO.<br>Sales Engineer<br>A.D. | REVISION-LOCATION<br>Application Engineer<br>A.D. | ECN<br>DRAWN<br>BY BMF                     | DATE<br>APPROVED<br>BY      | BY   |
|                 | Project Title                | <div>COX</div> <div>Research and Technology, Inc.</div> |                               |   | P.O. Box 77808<br>Baton Rouge, LA<br>70809 | PURCHASE ORDER NUMBER       |      |
|                 | DUPLEX PUMP<br>CONTROL PANEL |   |                               |   | Ph. (225)756-3271<br>Fax (225)755-1030     | DRAWING NUMBER<br>CP-2119R1 |      |
|                 |                              |   |                               |   |  | SHEET NUMBER<br>1           |      |



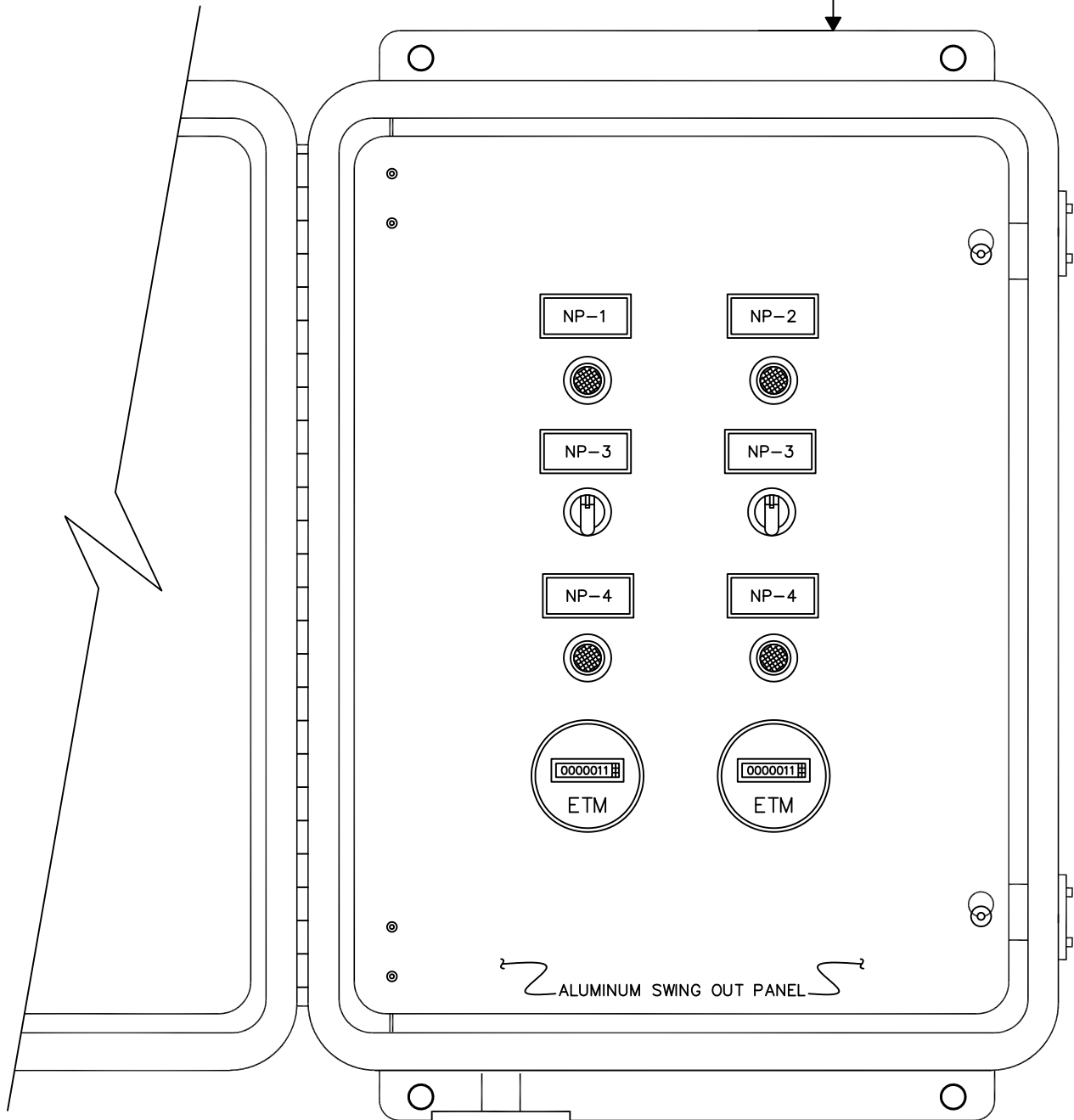


|                 |   |   |                               |   |  |                             |            |
|-----------------|---|---|-------------------------------|---|--|-----------------------------|------------|
|                 | Drawing Title<br><br><br>CONTROL DIAGRAM          |   | R1                            | REPLACED BUCKET - 7.5 HP                          |  | 12/9/21                     | A.D.       |
|                 |   |   |                               |   |  |                             |            |
|                 |   |   |                               |   |  |                             |            |
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|                 |   |   |                               |   |  | SHEET NUMBER<br>3           |            |



|      |                           |                   |  |                             |      |
|------|---------------------------|-------------------|--|-----------------------------|------|
|      | Drawing Title             | R1                | REPLACED BUCKET - 7.5 HP                   | 12/9/21                     | A.D. |
|      | CONTROL DIAGRAM           |                   |  |                             |      |
| DATE | 12/9/21                   | REFERENCE DRAWING | NO.  | REVISION-LOCATION           | ECN  |
|      |                           | S/N               | Sales Engineer A.D.                        | Application Engineer A.D.   | DATE |
|      | Project Title             | BY                | BMF  | APPROVED                    | BY   |
|      | DUPLEX PUMP CONTROL PANEL |                   |  |                             | DATE |
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|      |                           |                   |  | SHEET NUMBER                | 4    |

NEMA 4X FIBERGLASS ENCLOSURE  
(EXISTING)



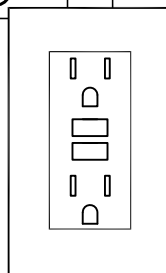
ALUMINUM SWING OUT PANEL

### VIEW OF SWING OUT PANEL

### NAMEPLATE SCHEDULE

NP-1 PUMP 1/RUN  
NP-2 PUMP 2/RUN  
NP-3 HOA  
NP-4 SEAL FAIL

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



(EXISTING)

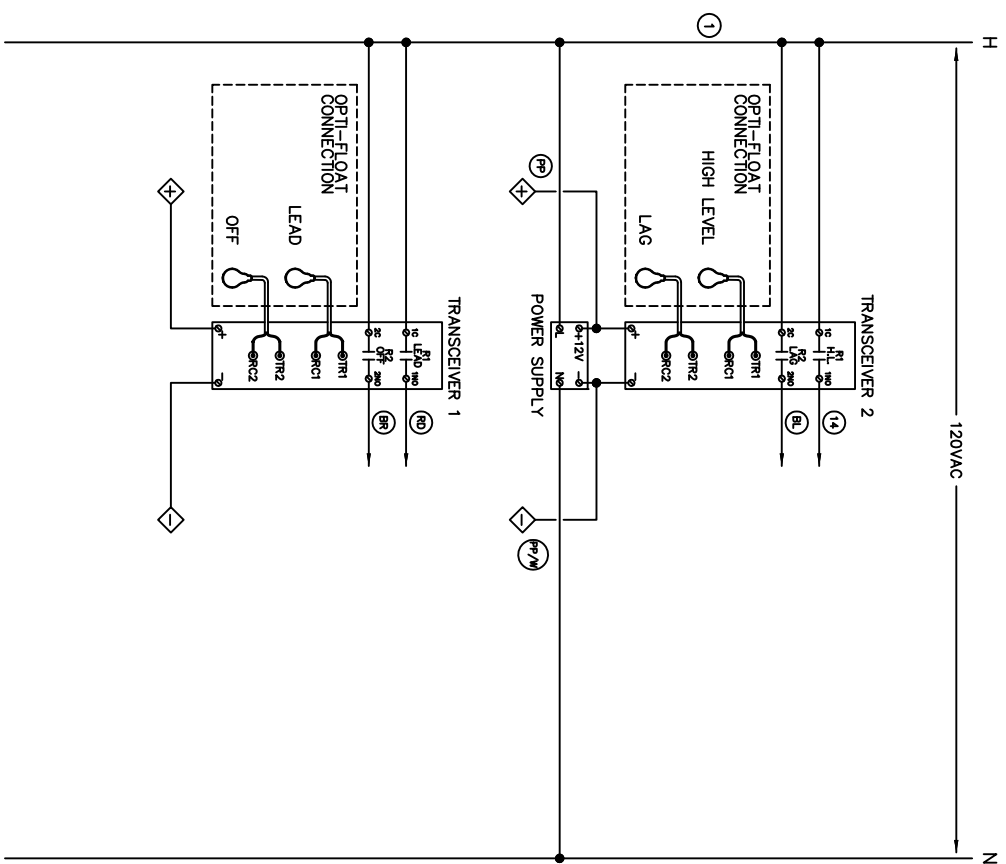
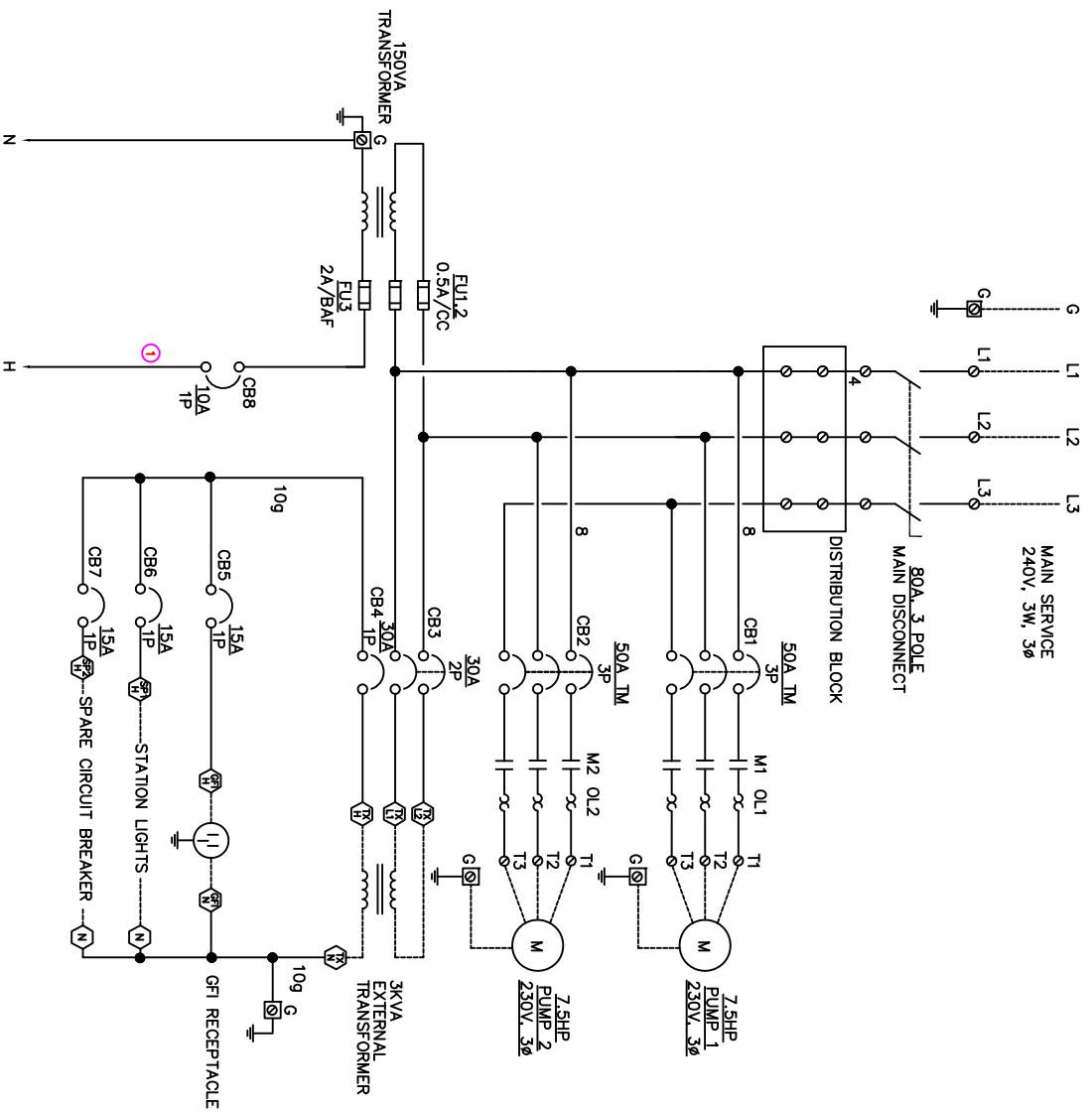
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|                 | ENCLOSURE                    |   |                               |   |  |                             |      |
|                 |                              |   |                               |   |  |                             |      |
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## BILL OF MATERIALS

| ITEM | QTY | MANUFACTURER | PART NO.      | DESCRIPTION               |   |
|------|-----|--------------|---------------|---------------------------|---|
| 1    | 1   | ALLIED       | AM24200RL     | ENCLOSURE                 | * |
| 1a   | 1   | ALLIED       | 2420AL        | BACKPLATE                 |   |
| 2    | 1   | ABB          | OT80F3        | MAIN DISC. SWITCH         |   |
| 3    | 2   | ABB          | AF30-30-00-13 | MOTOR STARTER             |   |
| 4    | 2   | ABB          | TF42-29       | O.L. RELAY (24-29A)       |   |
| 5    | 2   | SQUARE D     | QOU350        | CB1, CB2                  |   |
| 6    | 1   | DIVERSIFIED  | ARB-120-ADA   | ALTERNATING RELAY         |   |
| 7    | 4   | ABB          | CL513R        | RED PILOT LIGHT           |   |
| 8    | 2   | ABB          | C3SS110B-20   | HOA SWITCH                |   |
| 9    | 1   | SQUARE D     | QOU130        | CB4                       |   |
| 10   | 3   | SQUARE D     | QOU115        | CB5-7                     |   |
| 11   | 1   | SQUARE D     | 3S1F          | 3KVA EXTERNAL TRANSFORMER | * |
| 12   | 1   | STAHLIN      | RJ1412HPL     | J-BOX                     | * |
| 13   | 1   | MARATHON     | 1323580       | DISTRIBUTION BLOCK        |   |
| 14   | 2   | SSAC         | LLC54AA       | SEAL FAIL RELAY           |   |
| 15   | 1   | SQUARE D     | QOU230        | CB3                       |   |
| 16   | 1   | HUBBELL      | STOCK         | GFI RECEPTACLE            | * |
| 17   | 1   | ABB          | T4150PSF-1    | 150VA TRANSFORMER         |   |
| 18   | 2   | COX RESEARCH | OPTI-TR2A     | TRANSCEIVER               |   |
| 19   | 4   | COX RESEARCH | OPTI-F130-WT1 | 30' WEIGHTED OPTI-FLOAT   |   |
| 20   | 1   | COX RESEARCH | OPTI-PS1      | POWER SUPPLY              |   |
| 21   | 2   | ABB          | CA4-10        | AUX CONTACT               |   |
| 22   | 1   | SQUARE D     | QOU110        | CB8                       |   |
| 23   | 1   | ALLIED       | HFP2420       | SWING PANEL               |   |
| 24   | 3   | BUSSMANN     | LPCC-0.5      | FU1,2,SPARE               |   |
| 25   | 2   | BUSSMANN     | BAF-2         | FU3,SPARE                 |   |
| 26   | 2   | ENM          | T50B-212      | ELAPSED TIME METER        |   |

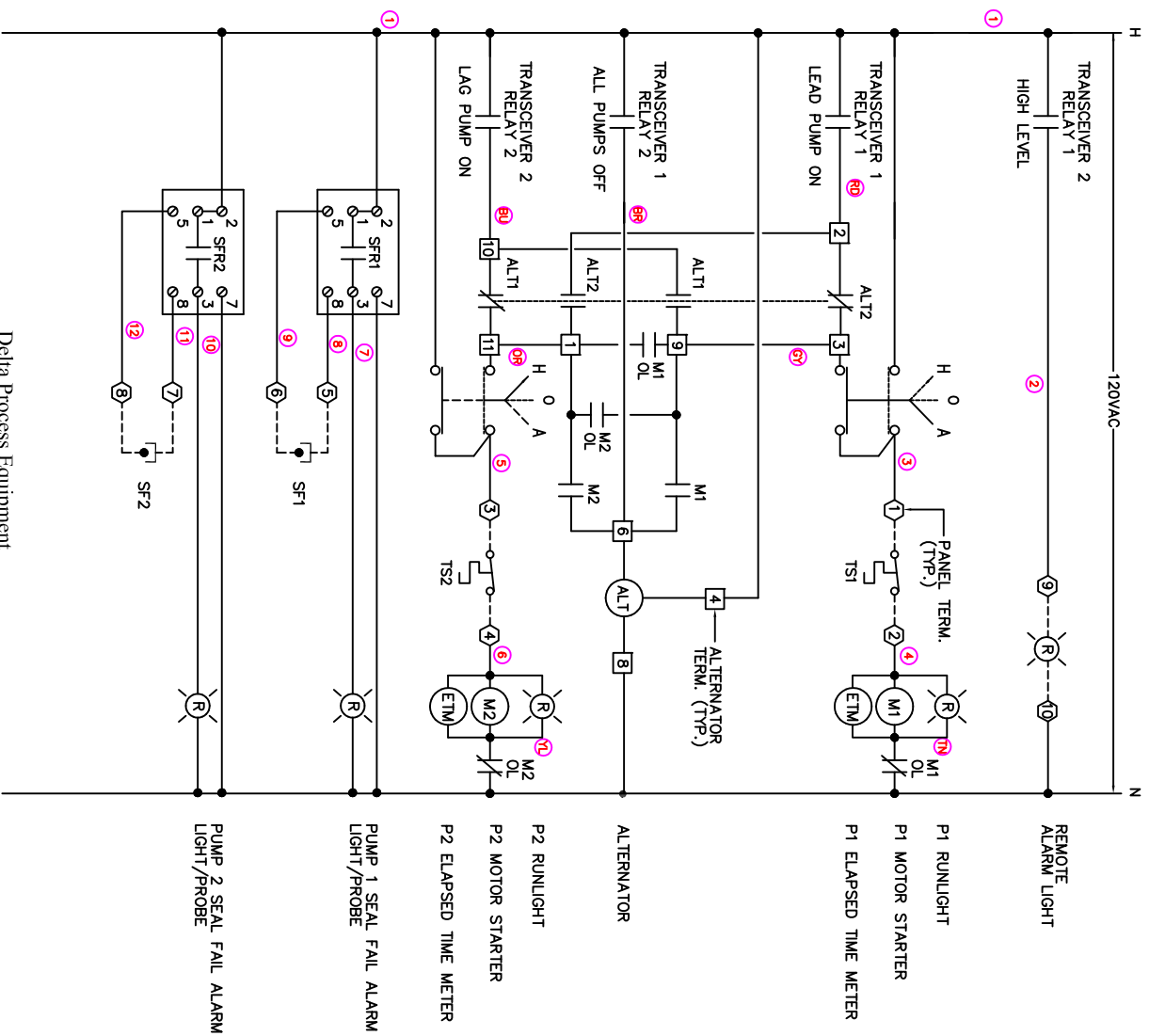
\*EXISTING

|                 |                             |  |                        |                              |  |         |                       |  |
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|                 | BILL OF MATERIALS           |  |                        |                              |  |         |                       |  |
|                 |                             | REFERENCE DRAWING  |                        | NO.                          | REVISION-LOCATION  |         | ECN                   |  |
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|                 | SHEET NUMBER<br>6           |  |                        |                              |  |         |                       |  |



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