

PARSON & SANDERSON, INC.

DUPLEX PUMP  
CONTROL PANEL  
MERRYVILLE, LA

PARSON & SANDERSON, INC.  
P.O. BOX 958  
METAIRIE, LA 70004  
(504) 733-1330 Fax (504) 736-9348

CP-1716

|                                  |                 |  |
|----------------------------------|-----------------|--|
| VOLTAGE                          | 120/240V        | (480V, 277/480V, 240V, 120/240V, 208V, 120/208V) |
| PHASE/HZ                         | 1/60            |  |
| NO. MOTORS                       | 2               |  |
| HP                               | 2               |  |
| FLA                              | 15.6            |  |
| TYPE OF PUMP                     | Submersible     | (Self-Priming, Submersible)                      |
| MANUFACTURER                     | Hydromatic      |  |
| CATALOG NUMBER                   |                 |  |
|                                  |                 |  |
| CONTROL VOLTAGE                  | 120V            | (120V, Other)                                    |
| ENCLOSURE                        | NEMA 4X         | (NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)               |
| ENCLOSURE MATERIAL               | Stainless Steel | (Painted Steel, Stainless Steel, Fiberglass)     |
| CONTROL SENSOR                   | Floats          | (Floats, Bubbler, Other)                         |
| CAPACITORS                       | Yes             | (Yes, No)  |
| CAPACITOR WIRING FIGURE          | M               |  |
| THERM. & SEAL FAIL WIRING FIGURE |                 |  |
|                                  |                 |  |

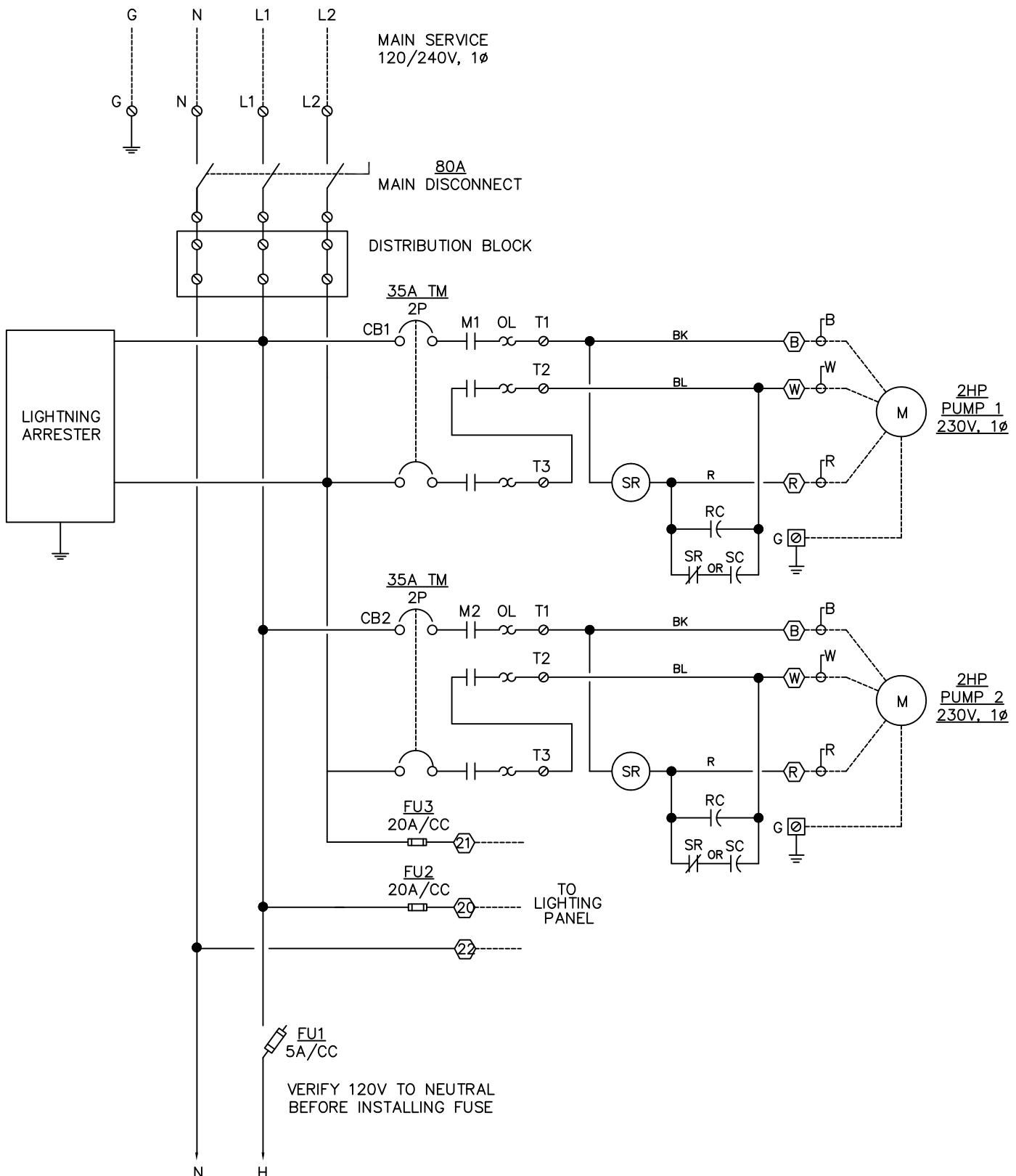
## OPTIONS:

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

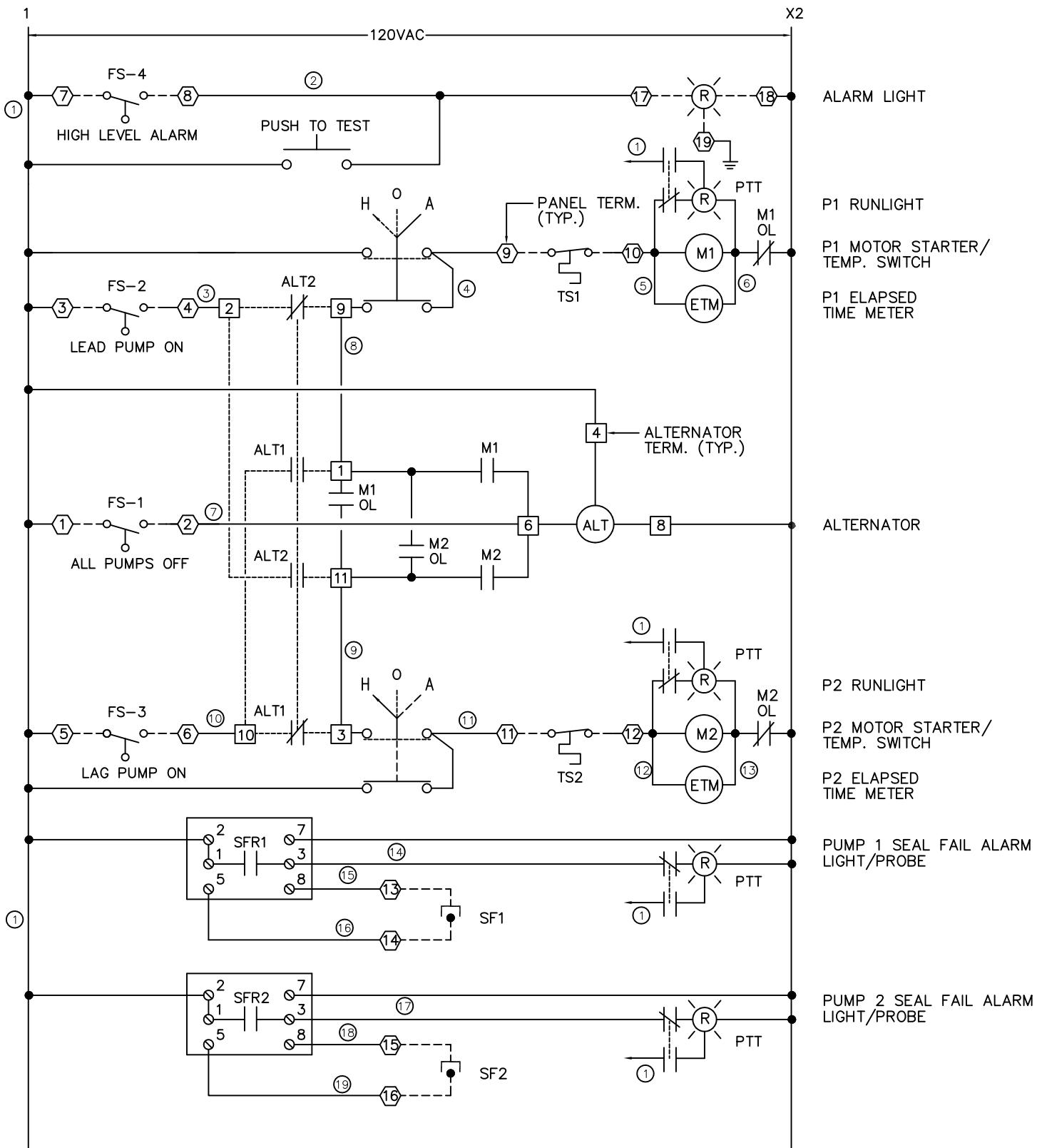
**SOLD TO:** Parson & Sanderson, Inc.- Harahan, LA  
**TAG :** Merryville

SHIP TO: Blake D. Hines, Inc.  
Merryville, LA 70653

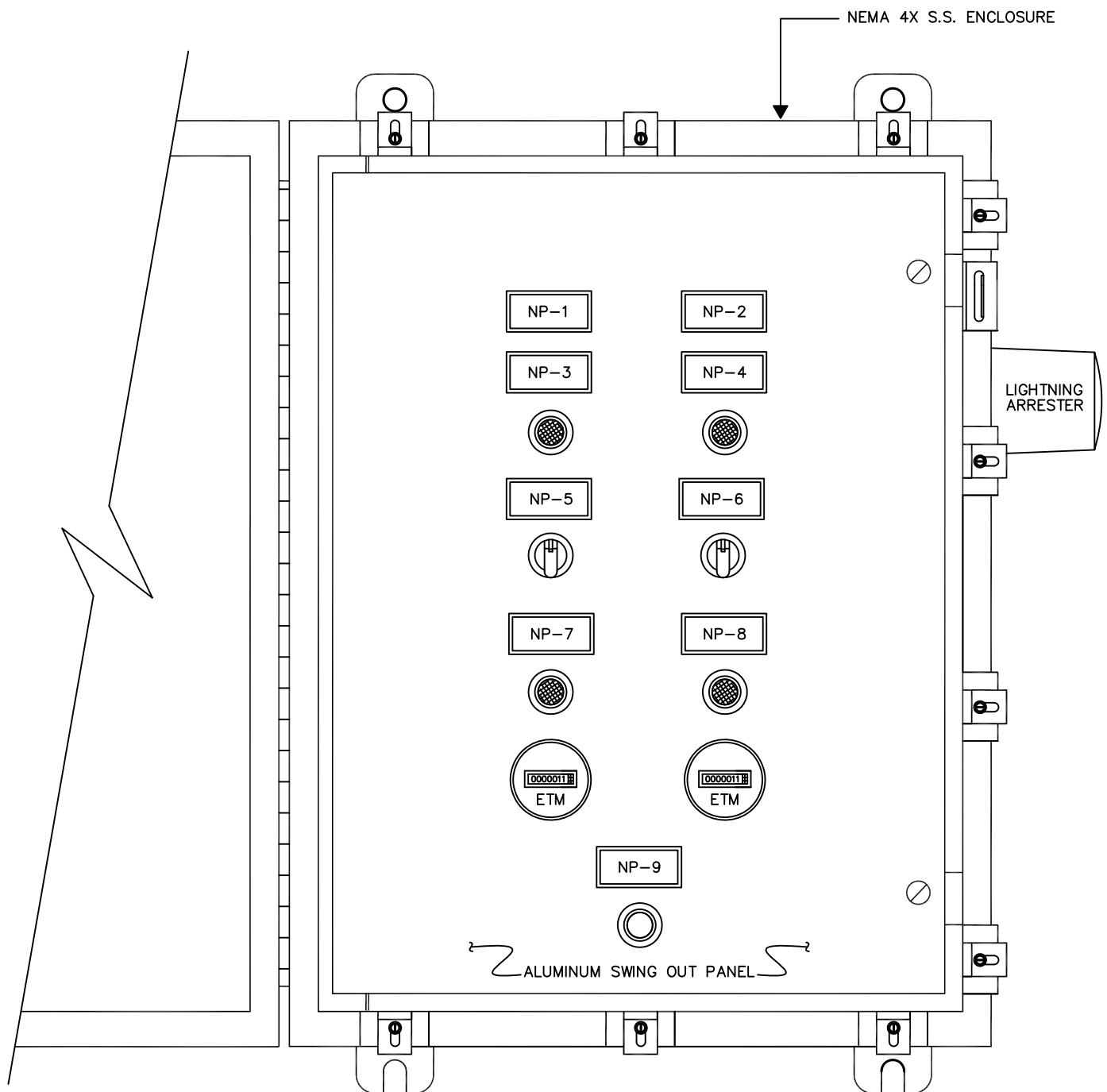
|  |   |   |   |                              |                       |                |                           |
|--|---|---|---|------------------------------|-----------------------|----------------|---------------------------|
|  | Drawing Title<br><br><b>PANEL DESCRIPTION</b><br><br>DATE<br>12/16/03 |   |   |                              |                       |                |                           |
|  |   | REFERENCE DRAWING   | NO.   | REVISION-LOCATION            | ECN                   | DATE           | BY                        |
|  |   | S/N   | Sales Engineer<br>C.C.  | Application Engineer<br>R.C. | DRAWN<br>BY C. RACHAL | APPROVED<br>BY | DATE                      |
|  |   | Project Title<br><br><b>DUPLEX PUMP<br/>CONTROL PANEL</b> | PARSON & SANDERSON, INC.<br>P.O. BOX 958<br>METAIRIE, LA 70004<br>(504) 733-1330 Fax (504) 736-9348 |                              |                       |                | PURCHASE ORDER NUMBER     |
|  |   |   |   |                              |                       |                | DRAWING NUMBER<br>CP-1716 |
|  |   |   |   |                              |                       |                | SHEET NUMBER<br>1         |



|                              |   |                               |   |                       |     |      |    |
|------------------------------|---|-------------------------------|---|-----------------------|-----|------|----|
|                              | Drawing Title   |                               |   |                       |     |      |    |
|                              | POWER DIAGRAM   |                               |   |                       |     |      |    |
| DATE<br>12/16/03             | REFERENCE DRAWING<br>S/N  | NO.<br>Sales Engineer<br>C.C. | REVISION-LOCATION<br>Application Engineer<br>R.C. | DRAWN<br>BY C. RACHAL | ECN | DATE | BY |
|                              |   |                               |   |                       |     |      |    |
| Project Title                | PARSON & SANDERSON, INC.<br>P.O. BOX 958<br>METAIRIE, LA 70004<br>(504) 733-1330 Fax (504) 736-9348 |                               | PURCHASE ORDER NUMBER                             |                       |     |      |    |
| DUPLEX PUMP<br>CONTROL PANEL |   |                               | DRAWING NUMBER                                    |                       |     |      |    |
|                              | CP-1716   |                               | SHEET NUMBER                                      |                       |     |      |    |
|                              | 2   |                               |   |                       |     |      |    |



|   |                                      |   |                               |  |                                    |
|---|--------------------------------------|---|-------------------------------|--|------------------------------------|
|   | Drawing Title<br><br>CONTROL DIAGRAM |   |                               |  |                                    |
|   |                                      | REFERENCE DRAWING<br>S/N  | NO.<br>Sales Engineer<br>C.C. | REVISION-LOCATION<br>DRAWN<br>BY C. RACHAL | ECN<br>DATE<br>APPROVED<br>BY DATE |
| DATE<br>12/16/03                                  |                                      |   |                               |  |                                    |
| Project Title<br><br>DUPLEX PUMP<br>CONTROL PANEL |                                      | PARSON & SANDERSON, INC.<br>P.O. BOX 958<br>METAIRIE, LA 70004<br>(504) 733-1330 Fax (504) 736-9348 |                               | PURCHASE ORDER NUMBER                      |                                    |
|   |                                      |   |                               | DRAWING NUMBER<br>CP-1716                  |                                    |
|   |                                      |   |                               | SHEET NUMBER<br>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        |
| NP-7 | SEAL FAIL  |
| NP-8 | SEAL FAIL  |
| NP-9 | ALARM TEST |

NOTE:

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

|                  |                              |   |  |     |                             |  |
|------------------|------------------------------|---|--|-----|-----------------------------|--|
|                  | Drawing Title                |   |  |     |                             |  |
|                  | ENCLOSURE                    |   |  |     |                             |  |
|                  |                              |   |  |     |                             |  |
|                  |                              |   |  |     |                             |  |
| DATE<br>12/16/03 | REFERENCE DRAWING<br>S/N     | NO.<br>C.C.   | REVISION-LOCATION<br>DRAWN<br>R.C.<br>BY C. RACHAL | ECN | DATE<br>APPROVED<br>BY DATE |  |
|                  |                              |   |  |     |                             |  |
|                  | Project Title                | PARSON & SANDERSON, INC.<br>P.O. BOX 958<br>METAIRIE, LA 70004<br>(504) 733-1330 Fax (504) 736-9348 |  |     | PURCHASE ORDER NUMBER       |  |
|                  | DUPLEX PUMP<br>CONTROL PANEL |   |  |     | DRAWING NUMBER<br>CP-1716   |  |
|                  |                              |   |  |     | SHEET NUMBER<br>4           |  |

## BILL OF MATERIALS

| ITEM | QTY | MANUFACTURER | PART NO.     | DESCRIPTION         |
|------|-----|--------------|--------------|---------------------|
| 1    | 1   | EBE          | S242010N4X   | ENCLOSURE           |
| 1a   | 1   | EBE          | A2420P       | BACKPLATE           |
| 1b   | 1   | EBE          | A2420SP      | DEAD FRONT          |
| 2    | 1   | ABB          | OT63E3       | MAIN DISC. SWITCH   |
| 3    | 2   | ABB          | A16-30-10-84 | MOTOR STARTER       |
| 4    | 2   | ABB          | TA25DU19     | O.L. RELAY (13-19A) |
| 5    | 2   | SQUARE D     | QOU235       | CB1, CB2            |
| 6    | 1   | TIMEMARK     | 261DT120     | ALTERNATING RELAY   |
| 7    | 4   | ACI          | JR22BL11R    | RED PILOT LIGHT PTT |
| 8    | 2   | ACI          | JR22P3M20B   | HOA SWITCH          |
| 9    | 1   | C-H          | CHSA01       | LIGHTNING ARRESTER  |
| 10   | 2   | GRASSLIN     | UWZ52E       | ELAPSED TIME METER  |
| 11   | 1   | TOMAR        | 490S-120-R   | REMOTE STROBE LIGHT |
| 12   | 1   | MARATHON     | 1323580      | DISTRIBUTION BLOCK  |
| 13   | 2   | SSAC         | LLC54AA      | SEAL FAIL RELAYS    |
| 14   | 1   | ACI          | JR22AN11B    | PUSH BUTTON SWITCH  |
| 15   |     |              |              |                     |
| 16   |     |              |              |                     |
| 17   |     |              |              |                     |
| 18   |     |              |              |                     |
| 19   |     |              |              |                     |
| 20   |     |              |              |                     |
| 21   |     |              |              |                     |
| 22   |     |              |              |                     |
| 23   |     |              |              |                     |
| 24   |     |              |              |                     |

|                  |                              |                |   |              |                   |                           |         |
|------------------|------------------------------|----------------|---|--------------|-------------------|---------------------------|---------|
|                  | Drawing Title                |                |   |              |                   |                           |         |
|                  | BILL OF MATERIALS            |                |   |              |                   |                           |         |
| DATE<br>12/16/03 |                              |                | REFERENCE DRAWING   | NO.          | REVISION-LOCATION | ECN                       | DATE BY |
|                  | S/N                          | Sales Engineer | Application Engineer  | DRAWN        |                   | APPROVED                  |         |
|                  |                              | C.C.           | R.C.  | BY C. RACHAL | BY                | DATE                      |         |
|                  | Project Title                |                | PARSON & SANDERSON, INC.<br>P.O. BOX 958<br>METAIRIE, LA 70004<br>(504) 733-1330 Fax (504) 736-9348 |              |                   | PURCHASE ORDER NUMBER     |         |
|                  | DUPLEX PUMP<br>CONTROL PANEL |                |   |              |                   | DRAWING NUMBER<br>CP-1716 |         |
|                  |                              |                |   |              |                   | SHEET NUMBER<br>5         |         |