

PARSON & SANDERSON, INC.

PANEL SP
TRIPLEX PUMP
CONTROL PANEL
SLUDGE PUMPS
CITY OF LAKE CHARLES

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

CP-1499

| | | |
|----------------------------------|-----------------------|--|
| VOLTAGE | 277/480V | (480V, 277/480V, 240V, 120/240V, 208V, 120/208V) |
| PHASE/HZ | 3/60 | |
| NO. MOTORS | 3 | |
| HP | 15 | |
| FLA | 21 | |
| TYPE OF PUMP | Positive Displacement | (Self-Priming, Submersible) |
| MANUFACTURER | | |
| CATALOG NUMBER | | |
| CONTROL VOLTAGE | 120V | (120V, Other) |
| ENCLOSURE | NEMA 12 | (NEMA 1, NEMA 3R, NEMA 4, NEMA 4X) |
| ENCLOSURE MATERIAL | PS | (Painted Steel, Stainless Steel, Fiberglass) |
| CONTROL SENSOR | Remote | (Floats, Bubbler, Other) |
| CAPACITORS | No | (Yes, No) |
| CAPACITOR WIRING FIGURE | N/A | |
| THERM. & SEAL FAIL WIRING FIGURE | | |

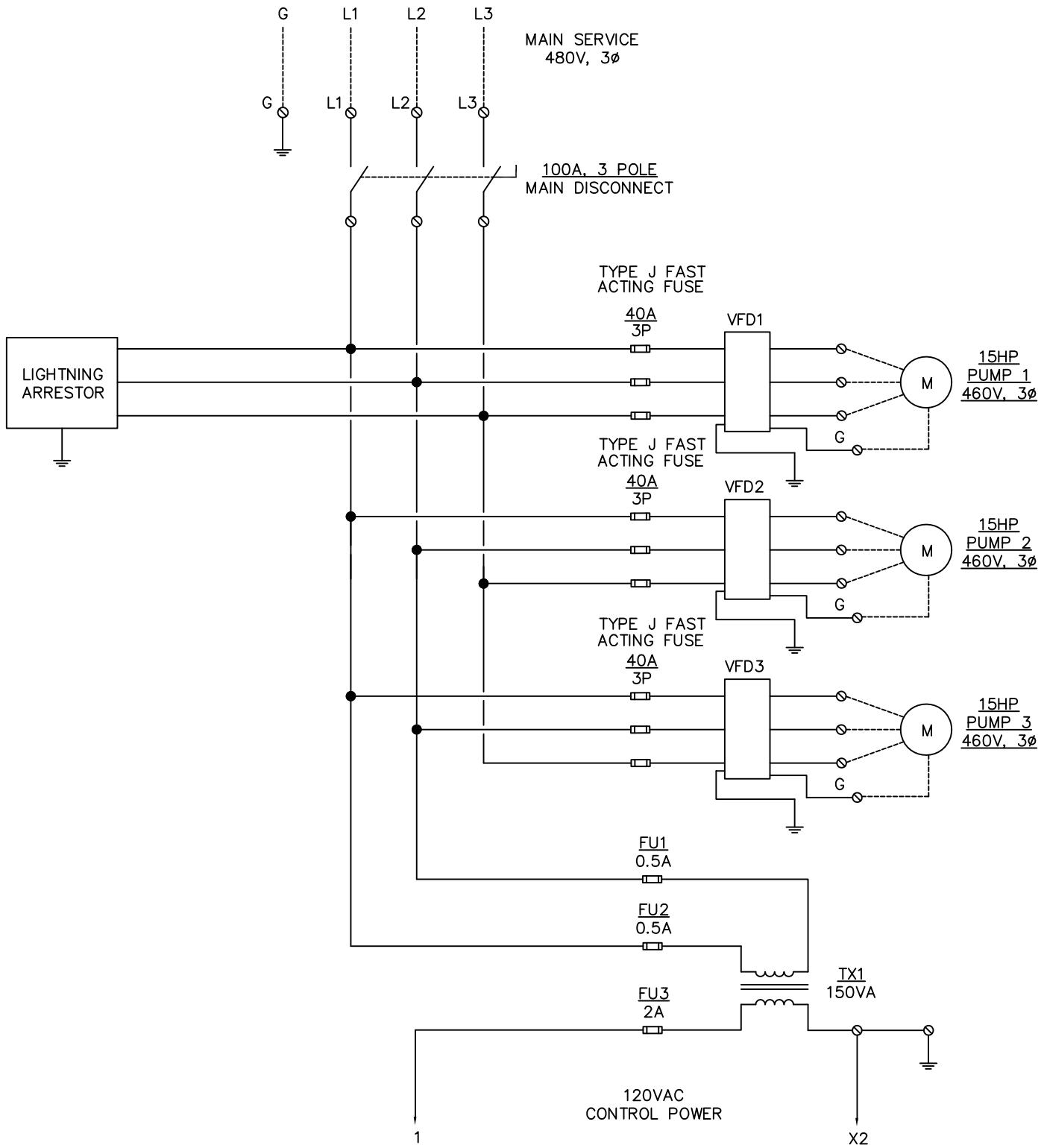
OPTIONS:

| | | |
|----------------------------------|---|----------------------------|
| SEAL FAIL LIGHTS | | (Submersible Only) |
| SEAL FAIL RELAYS | | (Submersible Only) |
| SEAL FAIL PUMP SHUTDOWN | | (Submersible Only) |
| HT PUMP SHUTDOWN | | (Self-Primer, Submersible) |
| ALARM HORN | | |
| ALARM LIGHT | | |
| LIGHT PANEL MTD | | |
| LIGHT REMOTE MTD | | |
| 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 | | |

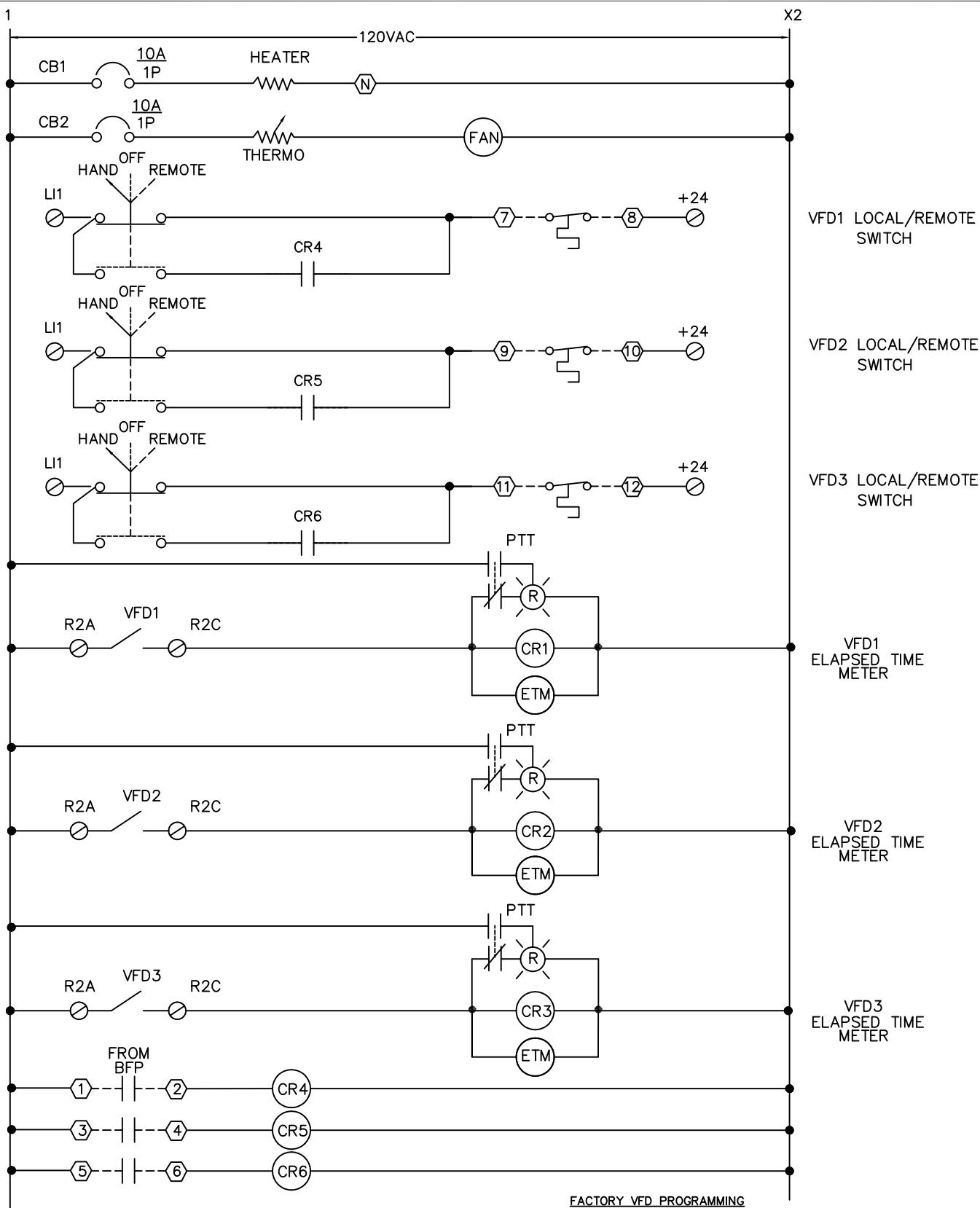
SOLD TO: Parson & Sanderson
TAG : Lake Charles WWTP
Sludge Pumps Control Panel

SHIP TO: Lake Charles WWTP Plant A

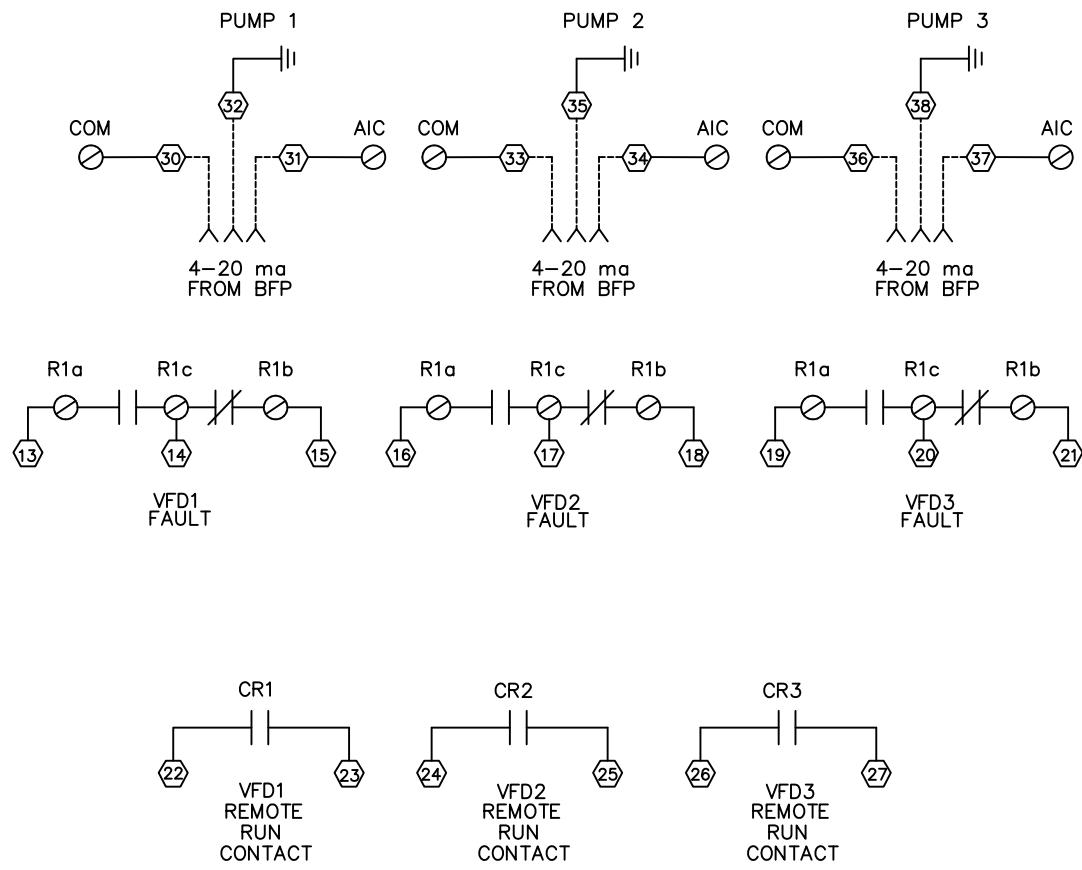
| Drawing Title | PANEL DESCRIPTION | REFERENCE DRAWING | | NO. | REVISION-LOCATION | | ECN | DATE | BY |
|------------------|--|---|-----------------------|----------------------|-------------------|--------|-----|----------|------|
| | | S/N | Sales Engineer | Application Engineer | DRAWN | BY CTR | BY | APPROVED | DATE |
| DATE 12/03/02 | Project Title TRIPLEX PUMP CONTROL PANEL | PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348 | PURCHASE ORDER NUMBER | | | | | | |
| | | DRAWING NUMBER CP-1499 | SHEET NUMBER 1 | | | | | | |



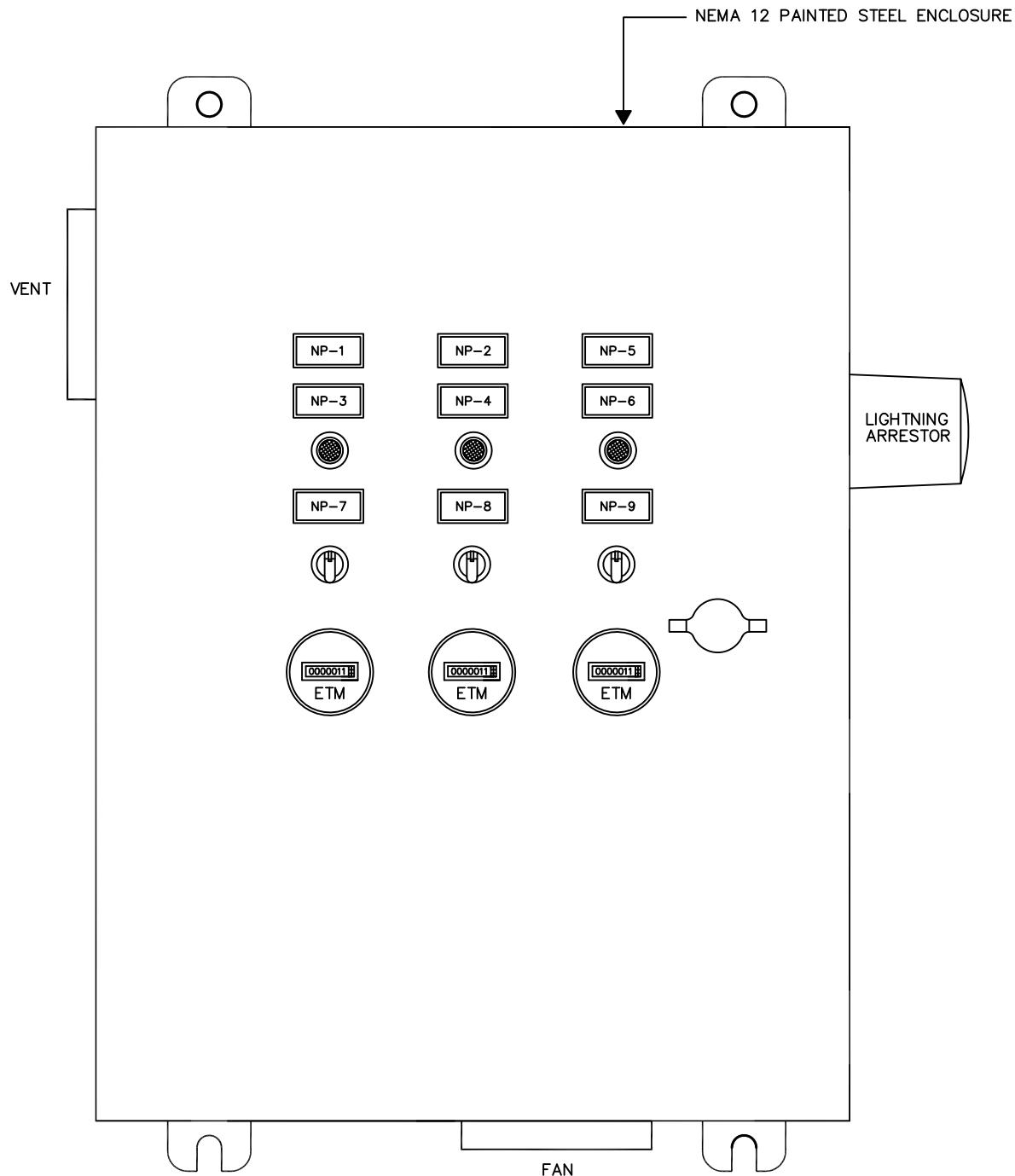
| | | | | | | |
|------------------|--|-------------|---|------------------------|-----------------------------|--|
| | Drawing Title POWER DIAGRAM | | | | | |
| | | | | | | |
| | | | | | | |
| DATE 12/03/02 | REFERENCE DRAWING S/N | NO. C.C. | REVISION-LOCATION Application Engineer R.C. | ECN DRAWN BY CTR | DATE APPROVED BY DATE | |
| | | | | | | |
| | Project Title TRIPLEX PUMP CONTROL PANEL | | PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348 | | PURCHASE ORDER NUMBER | |
| | | | | | DRAWING NUMBER CP-1499 | |
| | | | | | SHEET NUMBER 2 | |



| | | | | | | |
|--|---|---|---|------------------------|-----------------------------|----|
| | Drawing Title | | | | | |
| | CONTROL DIAGRAM | | | | | |
| DATE 12/03/02 | REFERENCE DRAWING S/N | NO. C.C. | REVISION-LOCATION Application Engineer R.C. | ECN DRAWN BY CTR | DATE APPROVED BY DATE | BY |
| Project Title TRIPLEX PUMP CONTROL PANEL | PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348 | PURCHASE ORDER NUMBER DRAWING NUMBER CP-1499TEMP SHEET NUMBER 3 | | | | |



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|--|---|---|---|------------------------|-----------------------------|
| | Drawing Title CONTROL DIAGRAM | | | | |
| | | | | | |
| | | | | | |
| DATE 12/03/02 | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | ECN DRAWN BY CTR | DATE APPROVED BY DATE |
| Project Title TRIPLEX PUMP CONTROL PANEL | PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348 | PURCHASE ORDER NUMBER DRAWING NUMBER CP-1499 SHEET NUMBER 4 | | | |



VIEW OF FRONT OF ENCLOSURE

NOTE:

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

NAMEPLATE SCHEDULE

| | |
|------|-----------------|
| NP-1 | PUMP 1 |
| NP-2 | PUMP 2 |
| NP-3 | PUMP 3 |
| NP-4 | RUN |
| NP-5 | RUN |
| NP-6 | RUN |
| NP-7 | HAND-OFF-REMOTE |
| NP-8 | HAND-OFF-REMOTE |
| NP-9 | HAND-OFF-REMOTE |

| | | | | | | |
|------------------|-------------------------------|---|----------------------|-------------------|---------------------|---------------------------|
| | Drawing Title | | | | | |
| | ENCLOSURE | | | | | |
| | | REFERENCE DRAWING | NO. | REVISION-LOCATION | ECN | DATE BY |
| DATE 12/03/02 | S/N | Sales Engineer | Application Engineer | DRAWN BY CTR | APPROVED BY DATE | |
| | C.C. | | R.C. | | | |
| | Project Title | PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348 | | | | PURCHASE ORDER NUMBER |
| | TRIPLEX PUMP CONTROL PANEL | | | | | DRAWING NUMBER CP-1499 |
| | | | | | | SHEET NUMBER 5 |

BILL OF MATERIALS

| ITEM | QTY | MANUFACTURER | PART NO. | DESCRIPTION |
|------|-----|--------------|---------------|-----------------------|
| 1 | 1 | EBE | 484812N12 | ENCLOSURE |
| 1a | 1 | EBE | A4848P | BACKPLATE |
| 2 | 1 | ABB | OT100E3 | MAIN DISC. SWITCH |
| 3 | 1 | SQUARE D | 9070TF150D1 | TRANSFORMER |
| 4 | 1 | C-H | CHSA03 | LIGHTNING ARRESTER |
| 5 | 3 | REDINGTON | 711-0187 | ELAPSED TIME METER |
| 6 | 3 | ABB | OS60J12 | 3P FUSIBLE DISCONNECT |
| 7 | 2 | ABB | OHB4 | DIRECT MOUNT HANDLE |
| 8 | 9 | BUSSMAN | JKS-40 | 40A FAST ACTING |
| 9 | 3 | SQUARE D | ATV-28HD16N4U | VFD 480V 15HP |
| 10 | 3 | A-B | 800H-JR2A | HOA SWITCH |
| 11 | 3 | A-B | 800H-QRT10R | PTT RED PILOT LIGHT |
| 12 | 6 | OMRON | MK3PN5SAC120 | CR 1,2,3,4,5,6 |
| 13 | 1 | HOFFMAN | T-FP41UL12 | FAN |
| 14 | 1 | HOFFMAN | T-EG4UL12 | EXHAUST GRILLE |
| 15 | 1 | TEEL | 1D008 | 30W HEATER |
| 16 | 1 | | | THERMOSTAT |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
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| 22 | | | | |
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| 25 | | | | |

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|------------------|--|---|---|------------------------|--------------------------------|---|--|
| | Drawing Title | | | | | | |
| | BILL OF MATERIALS | | | | | | |
| | | | | | | | |
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