

PARSON & SANDERSON, INC.

PWCP
PROCESS WATER CONTROL PANEL
CITY OF LAKE CHARLES

AS BUILTS

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

CP-1739

| | | |
|----------------------------------|-----------------|--|
| VOLTAGE | 480V | (480V, 277/480V, 240V, 120/240V, 208V, 120/208V) |
| PHASE/HZ | 3/60 | |
| NO. MOTORS | 2, 1 | |
| HP | 10, 7.5 | |
| FLA | 13, 10 | |
| TYPE OF PUMP | Pump/Compressor | (Self-Priming, Submersible) |
| MANUFACTURER | | |
| 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, Bubbler, Other) |
| CAPACITORS | | (Yes, No) |
| CAPACITOR WIRING FIGURE | | |
| THERM. & SEAL FAIL WIRING FIGURE | | |

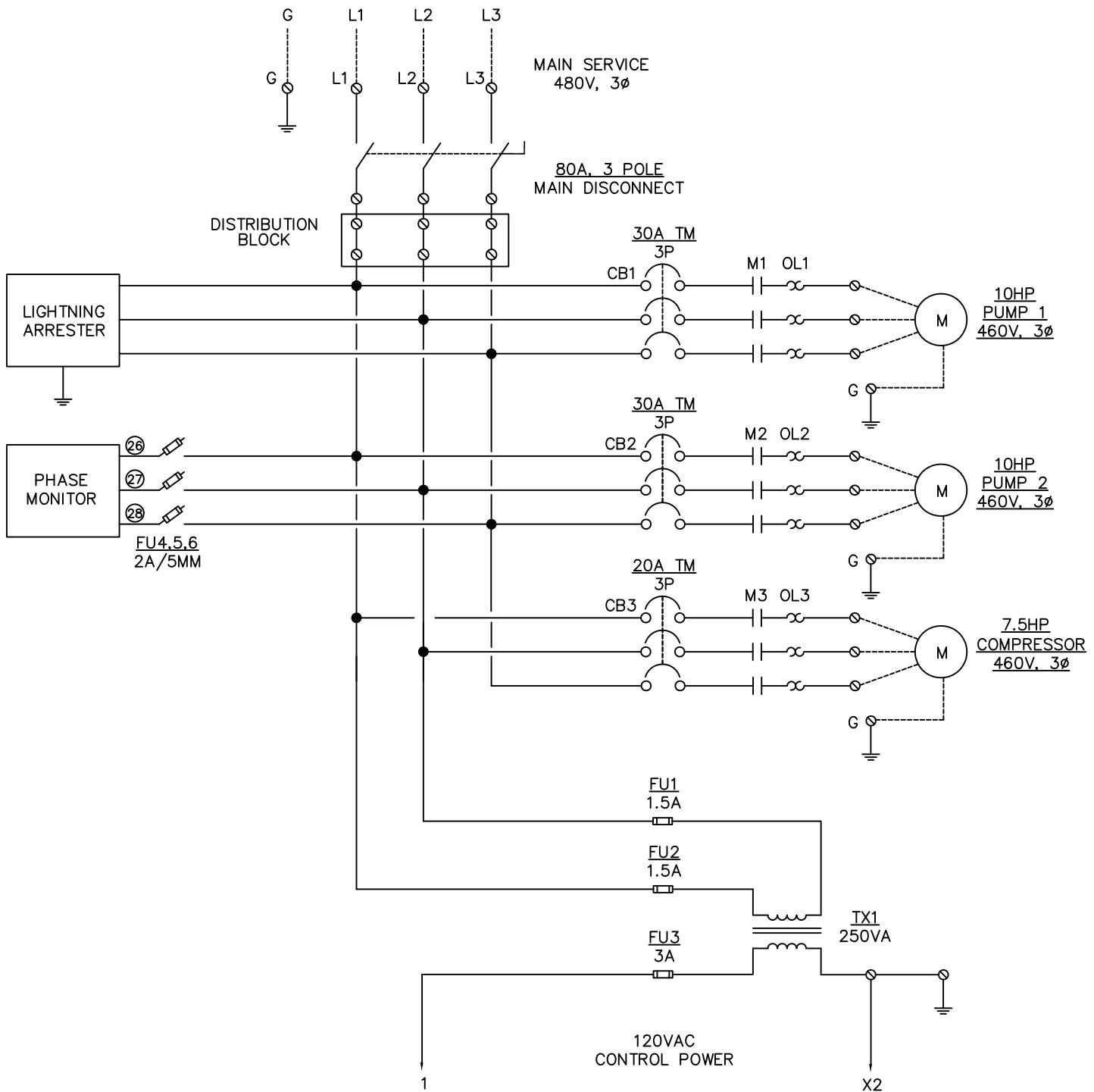
OPTIONS:

| | | |
|----------------------------------|-------|----------------------------|
| 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 | | |
| PHASE MONITOR | X | |
| NEMA RATED STARTERS | X ABB | |
| GROUND FAULT RECPT. | | |
| GREEN RUN LIGHTS VS. RED | | |
| POLE, BOX, SEAL | | |
| INTRINSICALLY SAFE RELAYS | | |
| HIGH TEMP. LOCKOUT, MANUAL RESET | | |
| ECONOMY VERSION | | |

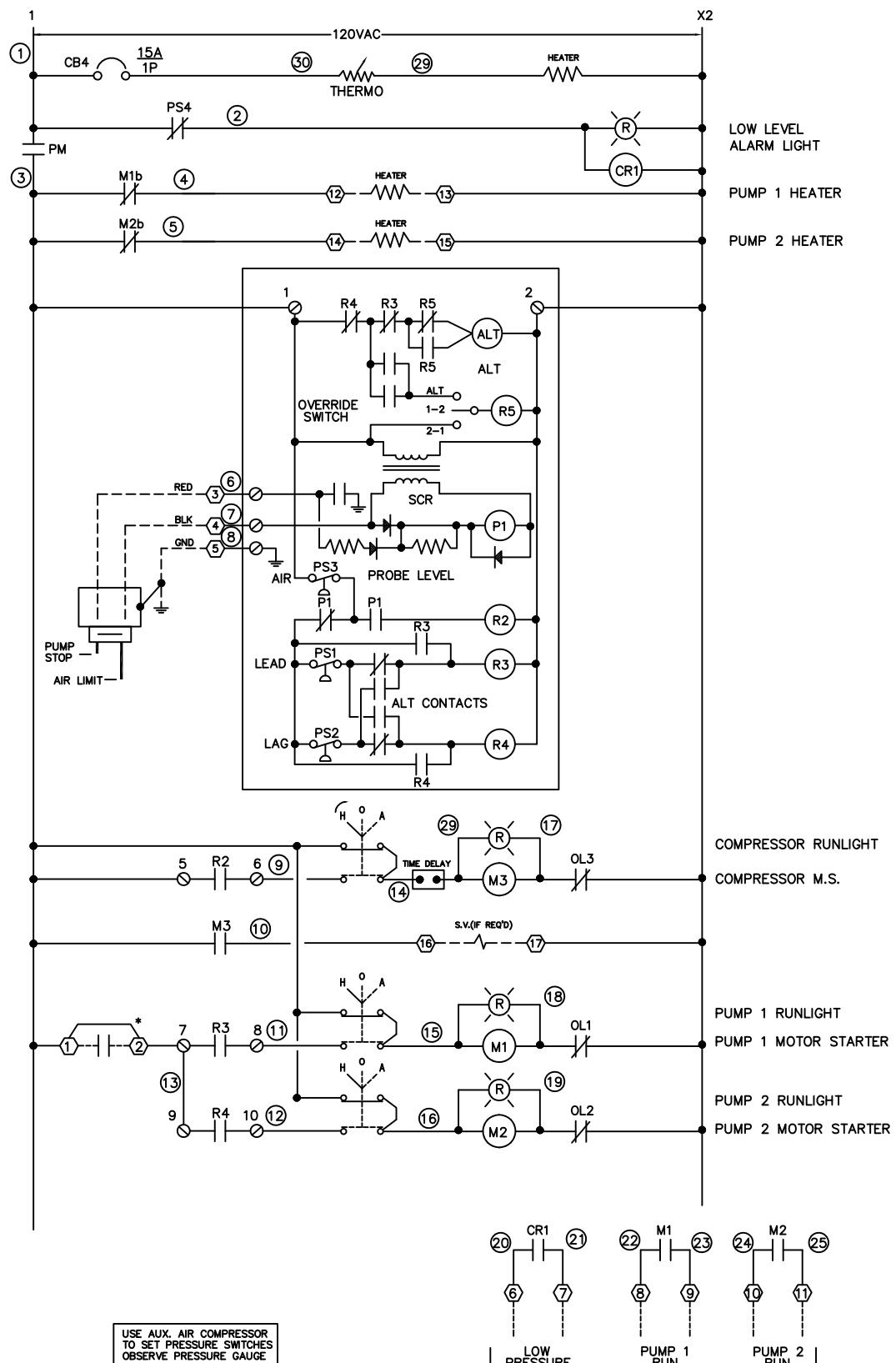
SOLD TO: Parson & Sanderson, Inc.
TAG : Lake Charles Wastewater Treatment Plant
Process Water Control Panel

SHIP TO: Lake Charles WWTP Plant D

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| | Drawing Title PANEL DESCRIPTION DATE 2/05/04 | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | DRAWN BY C. RACHAL | ECN APPROVED BY | DATE DATE |
| | Project Title PROCESS WATER 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-1739 | |
| | | | | | | SHEET NUMBER 1 | |



| | | | | | | |
|-----------------|---|--|-------------------------------|---|------------------------------|-----------------------------|
| | Drawing Title POWER DIAGRAM | | | | | |
| DATE 2/05/04 | | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | ECN DRAWN BY C. RACHAL | DATE APPROVED BY DATE |
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| | | | | | | SHEET NUMBER 2 |

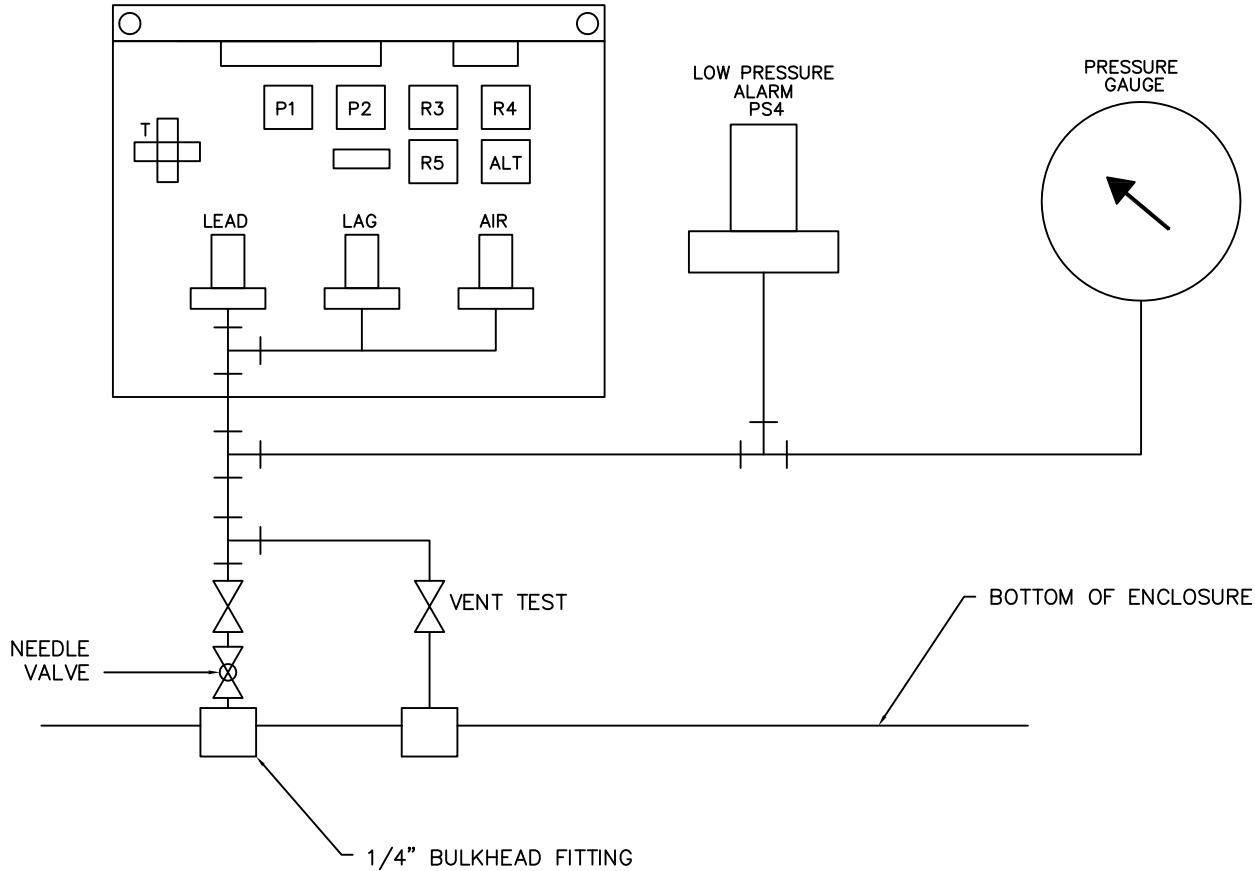


LEGEND

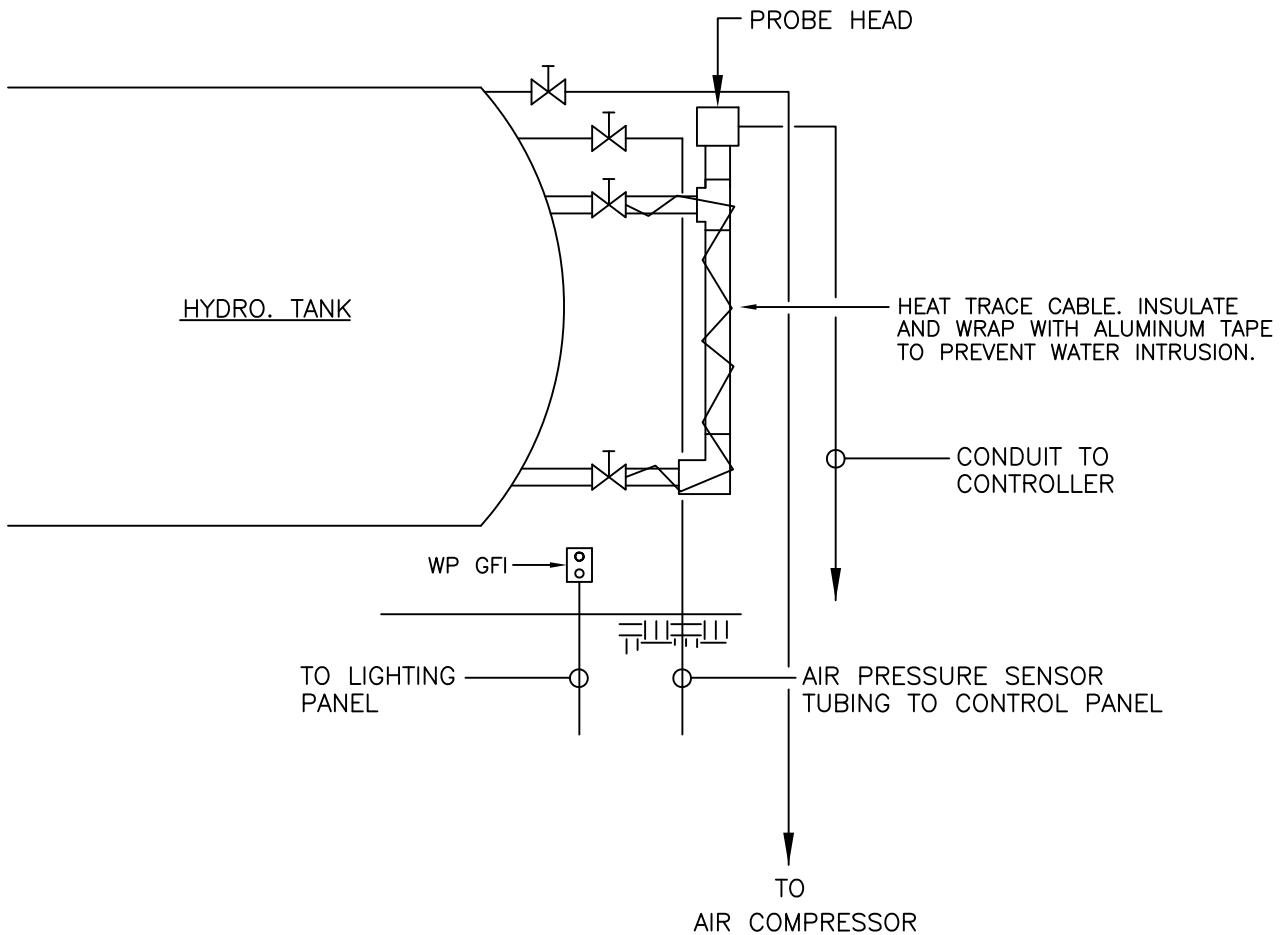
- (1) HYDROMASTER TERMINALS
- FIELD WIRES
- FACTORY WIRES

| | | | | | | |
|--------------------------------|--|-------------------------------|---|------------------------------|------------------------|---------------------------|
| | Drawing Title | | | | | |
| CONTROL DIAGRAM | | | | | | |
| DATE 2/05/04 | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | ECN DRAWN BY C. RACHAL | DATE APPROVED BY | BY |
| Project Title | PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348 | | | | | PURCHASE ORDER NUMBER |
| PROCESS WATER CONTROL PANEL | | | | | | DRAWING NUMBER CP-1739 |
| | | | | | | SHEET NUMBER 3 |

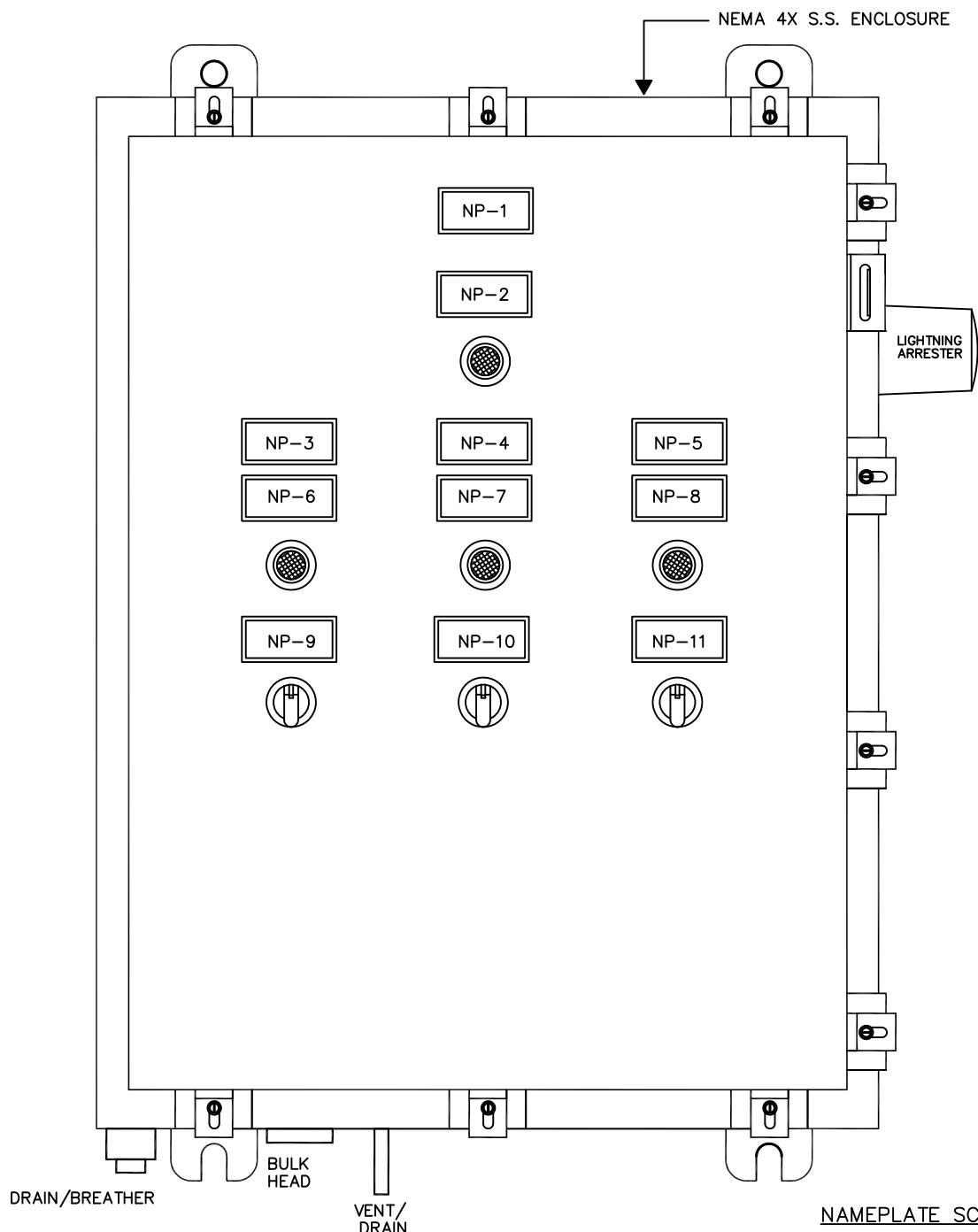
H2AO-244-1



| | | | | | | |
|-----------------|--------------------------------|--|-------------------------------|---|------------------------------|--------------------------------|
| | Drawing Title | | | | | |
| | PRESSURE SWITCH PIPING | | | | | |
| DATE 2/05/04 | | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | ECN DRAWN BY C. RACHAL | DATE APPROVED BY DATE |
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| | | | | | | SHEET NUMBER 4 |



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|-----------------|--|--|-------------------------------|---|------------------------------|--------------------------------|
| | Drawing Title | | | | | |
| | HYDRO TANK PIPING | | | | | |
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| | | | | | | SHEET NUMBER 5 |



VIEW OF FRONT DOOR

NAMEPLATE SCHEDULE

| | |
|-------|-------------------------------------|
| NP-1 | PROCESS WATER CONTROL PANEL PWCP |
| NP-2 | LOW LEVEL |
| NP-3 | PUMP 1 |
| NP-4 | PUMP 2 |
| NP-5 | COMPRESSOR |
| NP-6 | RUN |
| NP-7 | RUN |
| NP-8 | RUN |
| NP-9 | HOA |
| NP-10 | HOA |
| NP-11 | HOA |

| Drawing Title | | | | | | |
|--------------------------------|--|-------------------------------------|--|-----------|------------------------|----|
| ENCLOSURE | | | | | | |
| DATE 2/05/04 | | | | | | |
| REFERENCE DRAWING S/N | DRAWING Sales Engineer C.C. | NO. Application Engineer R.C. | REVISION-LOCATION DRAWN BY C. RACHAL | ECN BY | DATE APPROVED BY | BY |
| Project Title | PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348 | | | | | |
| PROCESS WATER CONTROL PANEL | PURCHASE ORDER NUMBER DRAWING NUMBER CP-1739 SHEET NUMBER 6 | | | | | |

BILL OF MATERIALS

| ITEM | QTY | MANUFACTURER | PART NO. | DESCRIPTION |
|------|-----|--------------|----------------|-----------------------------|
| 1 | 1 | EBE | S363010N4X | ENCLOSURE |
| 1a | 1 | EBE | 3630P | BACKPLATE |
| 2 | 2 | ABB | S1N030TL | CB1,2 |
| 3 | 1 | ABB | S1N020TL | CB3 |
| 4 | 1 | MLC | H2AO-244-1 | HYDROMASTER |
| 5 | 1 | MLC | R-B PROBE ASSY | BRONZE PROBE HEAD |
| 6 | 1 | DAYTON | 4BA54 | 30W HEATER |
| 7 | 1 | IDECA | RY2S-U | CR1 |
| 8 | 1 | SQUARE D | 9012GRG4 | PRESSURE SWITCH PS4 |
| 9 | 1 | AMTEK | 5HK68 | PRESSURE GAUGE |
| 10 | 1 | MARATHON | 1323580 | DISTRIBUTION BLOCK |
| 11 | 1 | SQUARE D | QOU115 | CB4 |
| 12 | 3 | ABB | A26N1-30-10-84 | M1,M2,M3 |
| 13 | 1 | DELTA | LA603 | LIGHTNING ARRESTER |
| 14 | 1 | SSAC | PLMU-11 | PHASE MONITOR |
| 15 | 1 | ABB | OT63E3 | DISCONNECT SWITCH |
| 16 | 1 | SQUARE D | 9070TF250D1 | TRANSFORMER |
| 17 | 1 | A-B | 800H-JR4A | HOA SPRING RETURN FROM LEFT |
| 18 | 2 | ABB | CAL5-11 | AUX. CONTACT |
| 19 | 4 | A-B | 800H-QRT10R | RED PTT PILOT LIGHT |
| 20 | 2 | A-B | 800H-JR2A | H-O-A SWITCH |
| 21 | 2 | ABB | TA25DU14 | O.L. RELAY (10-14A) |
| 22 | 1 | ABB | TA25DU11 | O.L. RELAY (7.5-11A) |
| 23 | 1 | DAYTON | 2A561 | TIME DELAY |
| 24 | | | | |
| 25 | | | | |

| | | | | | | |
|---|--|--|-------------------------------|---|------------------------------|------------------------|
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| | PURCHASE ORDER NUMBER DRAWING NUMBER CP-1739 SHEET NUMBER 7 | | | | | |