



Delta Process Equipment, Inc.

MUCK PIT
SIMPLEX
CONTROL PANEL
FOR
U.S. FILTER
SEWAGE AND WATER
BOARD OF NEW ORLEANS
EAST BANK TREATMENT PLANT

Delta Process Equipment, Inc.
3017 21st St., Ste. 209, Metairie, LA 70002
(504) 833-7867 Fax (504) 833-1755

| | | |
|----------------|---------------------|--|
| VOLTAGE | <u>277/480V</u> | (480V, 277/480V, 240V, 120/240V, 208V, 120/208V) |
| PHASE/HZ | <u>3/60</u> | |
| NO. MOTORS | <u>1</u> | |
| HP | <u>7.5</u> | |
| FLA | <u>11</u> | |
| TYPE OF PUMP | <u>Self Priming</u> | (Self-Priming, Submersible) |
| MANUFACTURER | <u>Vaughn</u> | |
| CATALOG NUMBER | | |

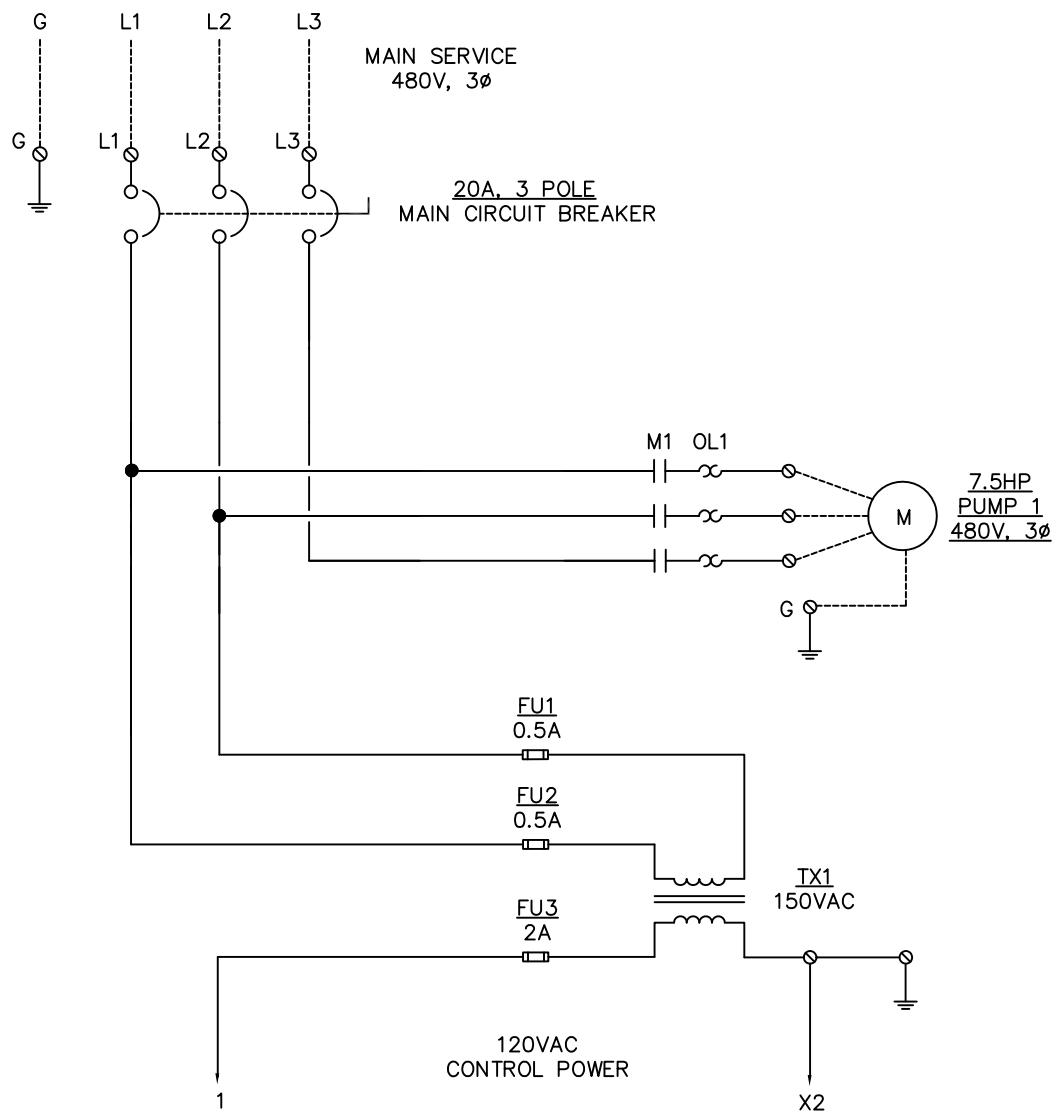
| | | |
|----------------------------------|-----------------|--|
| CONTROL VOLTAGE | 120V | (120V, Other) |
| ENCLOSURE | NEMA 4X | (NEMA 1, NEMA 3R, NEMA 4, NEMA 4X) |
| ENCLOSURE MATERIAL | Stainless Steel | (Painted Steel, Stainless Steel, Fiberglass) |
| CONTROL SENSOR | Start/Stop | (Floats, Bubbler, Other) |
| CAPACITORS | No | (Yes, No) |
| CAPACITOR WIRING FIGURE | N/A | |
| THERM. & SEAL FAIL WIRING FIGURE | | |

| | | |
|-------------------------|-------|----------------------------|
| SEAL FAIL LIGHTS | _____ | (Submersible Only) |
| SEAL FAIL RELAYS | _____ | (Submersible Only) |
| SEAL FAIL PUMP SHUTDOWN | _____ | (Submersible Only) |
| HT PUMP SHUTDOWN | _____ | (Self-Primer, Submersible) |

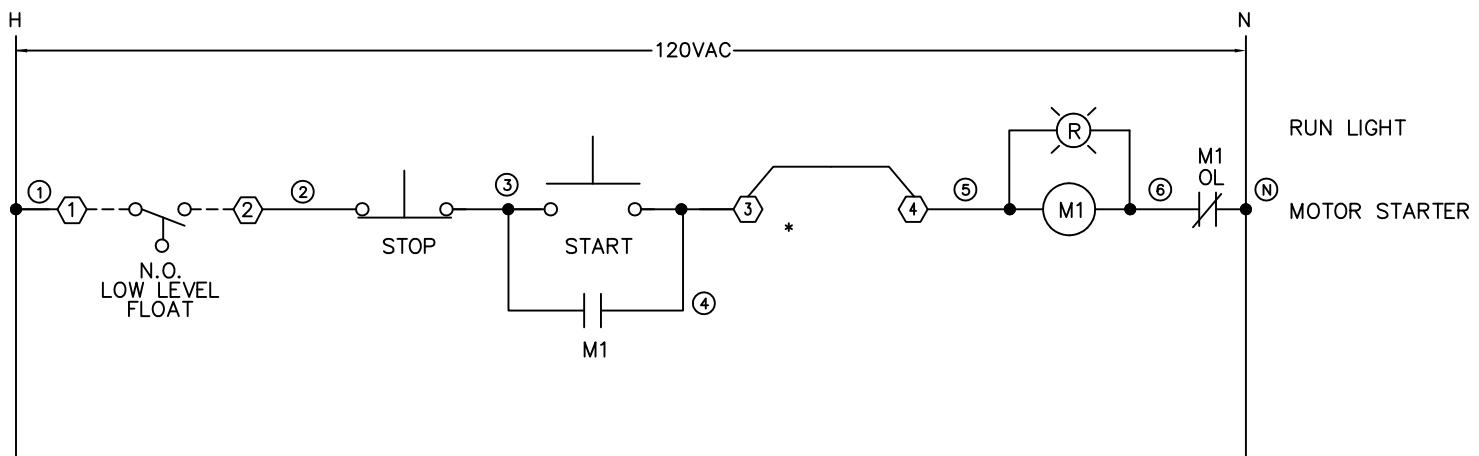
SOLD TO: DELTA PROCESS EQUIPMENT, INC.
TAG : U.S. FILTER SEWAGE & WATER BOARD OF N.O.
EAST BANK TREATMENT PLANT

SHIP TO: DELTA PROCESS EQUIPMENT, INC.

| | | | | | | | |
|------------------|-------------------------------|-------------------|---|------------------------------|-----------------------|----------------|------|
| | Drawing Title | | | | | | |
| | PANEL DESCRIPTION | | | | | | |
| | | REFERENCE DRAWING | NO. | REVISION-LOCATION | ECN | DATE | BY |
| DATE 12/02/03 | | S/N | Sales Engineer C.C. | Application Engineer R.C. | DRAWN BY C. RACHAL | APPROVED BY | DATE |
| | Project Title | | | | PURCHASE ORDER NUMBER | | |
| | SIMPLEX PUMP CONTROL PANEL | D | Delta Process Equipment, Inc. 3017 21st St., Ste. 209, Metairie, LA 70002 (504) 833-7867 Fax (504) 833-1755 | | DRAWING NUMBER | CP-1703 | |
| | | | | | SHEET NUMBER | 1 | |



| | | | | | | |
|--|---|---|---|------------------------------|------------------------|---------|
| | Drawing Title POWER DIAGRAM | | | | | |
| | | | | | | |
| | | | | | | |
| DATE 12/02/03 | 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 SIMPLEX PUMP CONTROL PANEL | D | Delta Process Equipment, Inc. 3017 21st St., Ste. 209, Metairie, LA 70002 (504) 833-7867 Fax (504) 833-1755 | | | PURCHASE ORDER NUMBER | |
| | | | | | DRAWING NUMBER | CP-1703 |
| | | | | | SHEET NUMBER | 2 |

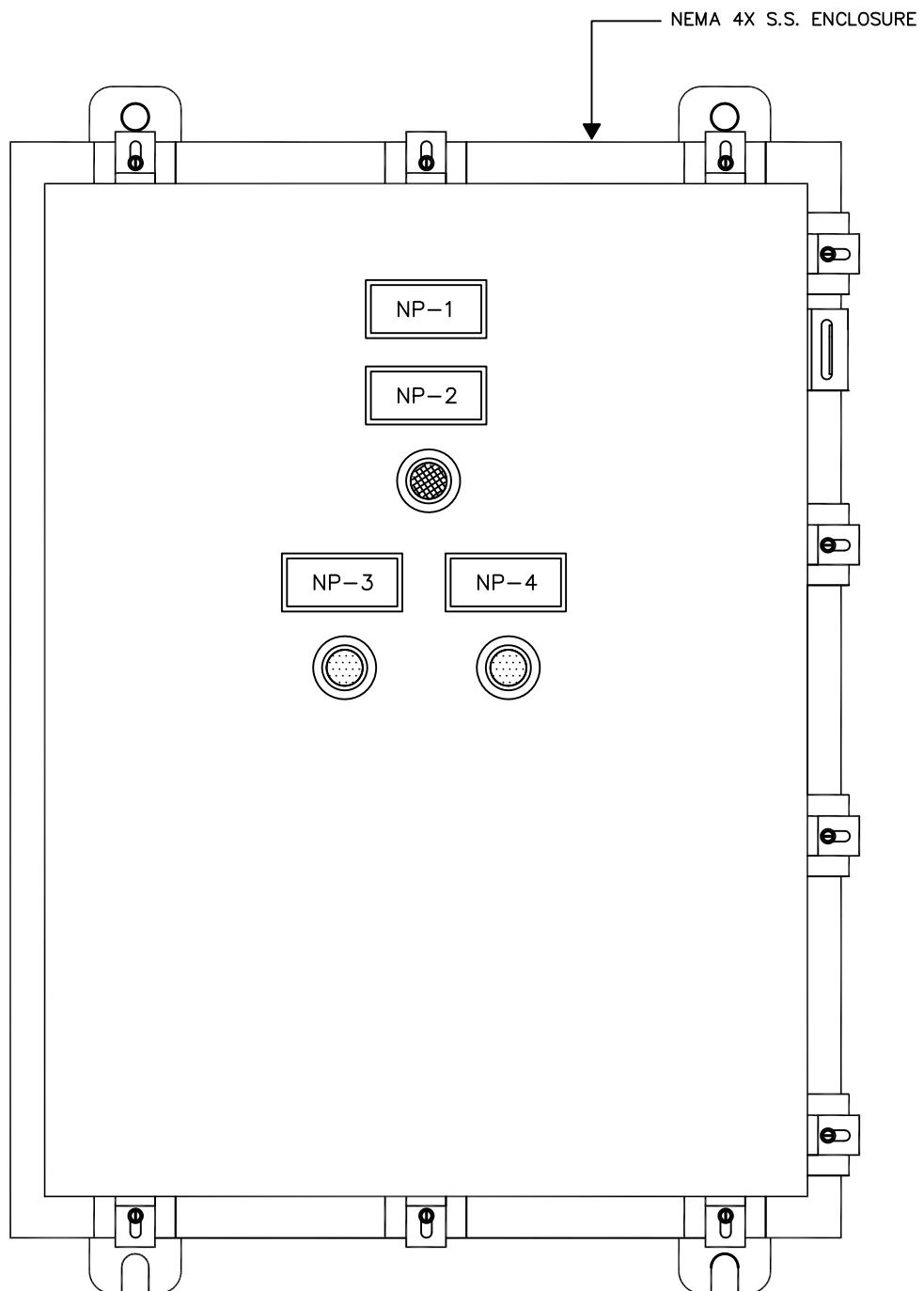


* REMOVE JUMPER & INSTALL
LOCKOUT DEVICES IF REQUIRED

LEGEND

| | |
|-------|--------------------|
| | PANEL TERMINAL |
| — | WIRING BY VENDOR |
| - - - | WIRING BY CUSTOMER |

| | | | | | | |
|------------------|--|-------------------------------|---|------------------------------|-----------------------------|----|
| | Drawing Title | | | | | |
| | CONTROL DIAGRAM | | | | | |
| DATE 12/02/03 | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | ECN DRAWN BY C. RACHAL | DATE APPROVED BY DATE | BY |
| | Project Title SIMPLEX PUMP CONTROL PANEL | | Delta Process Equipment, Inc. 3017 21st St., Ste. 209, Metairie, LA 70002 (504) 833-7867 Fax (504) 833-1755 | | PURCHASE ORDER NUMBER | |
| | | | | | DRAWING NUMBER CP-1703 | |
| | | | | | SHEET NUMBER 3 | |



VIEW OF FRONT OF ENCLOSURE

NAMEPLATE SCHEDULE

| | |
|------|-------|
| NP-1 | PUMP |
| NP-2 | RUN |
| NP-3 | STOP |
| NP-4 | START |

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 12/02/03 | REFERENCE DRAWING S/N | NO. C.C. | REVISION-LOCATION Application Engineer R.C. | ECN DRAWN BY C. RACHAL | DATE APPROVED BY DATE | BY |
| | | | | | | |
| | Project Title SIMPLEX PUMP CONTROL PANEL | D | Delta Process Equipment, Inc. 3017 21st St., Ste. 209, Metairie, LA 70002 (504) 833-7867 Fax (504) 833-1755 | | PURCHASE ORDER NUMBER | |
| | | | | | DRAWING NUMBER CP-1703 | |
| | | | | | SHEET NUMBER 4 | |

BILL OF MATERIAL

| ITEM | QTY | MANUFACTURER | PART NO. | DESCRIPTION |
|------|-----|--------------|-------------|---------------------|
| 1 | 1 | EBE | S20160N4X | ENCLOSURE |
| 2 | 1 | EBE | A2016P | BACKPLATE |
| 3 | 1 | SQUARE D | 8536SC03V02 | STARTER |
| 4 | 1 | SQUARE D | B19.5 | HEATER |
| 5 | 3 | ABB | S1N020TL | CIRCUIT BREAKER 1 |
| 6 | 1 | SQUARE D | TF150D1 | CONTROL TRANSFORMER |
| 7 | 2 | AB | 800H-AR2A | PUSH BUTTON |
| 8 | 1 | AB | 800H-QR10R | RED LIGHT |
| 9 | | | | |
| 10 | | | | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| 16 | | | | |
| 17 | | | | |

* ALSO SUPPLY O.L. FOR 5HP(7.6A) B12.8

THIS CONTROL PANEL IS SUPPLIED WITH OVERLOAD HEATERS FOR 5HP AND 7 1/2HP PUMPS.
 THE HEATERS FOR THE 5HP PUMP (B12.8) ARE FACTORY INSTALLED. IF THE PUMP IS CHANGED TO 7 1/2HP, THE HEATERS MUST BE CHANGED TO THE B19.5 (SUPPLIED) HEATERS.

| | | | | | | | |
|------------------|-------------------------------|----------------|---|-------------------|----|---------------------------|---------|
| | Drawing Title | | | | | | |
| | BILL OF MATERIALS | | | | | | |
| DATE 12/02/03 | 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 | | D | | | PURCHASE ORDER NUMBER | |
| | SIMPLEX PUMP CONTROL PANEL | | Delta Process Equipment, Inc. 3017 21st St., Ste. 209, Metairie, LA 70002 (504) 833-7867 Fax (504) 833-1755 | | | DRAWING NUMBER CP-1703 | |
| | | | | | | SHEET NUMBER 5 | |