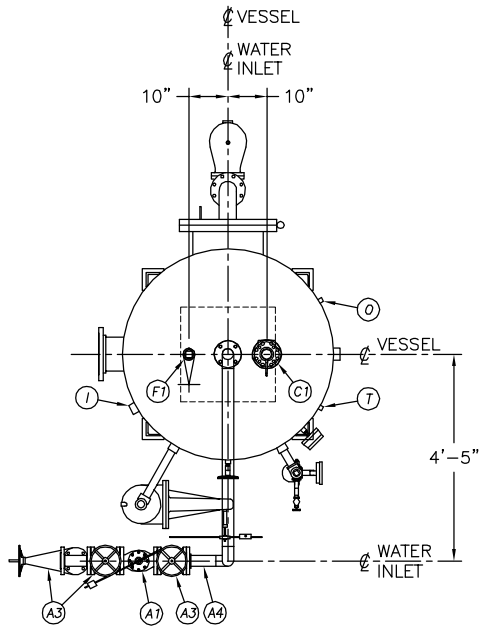
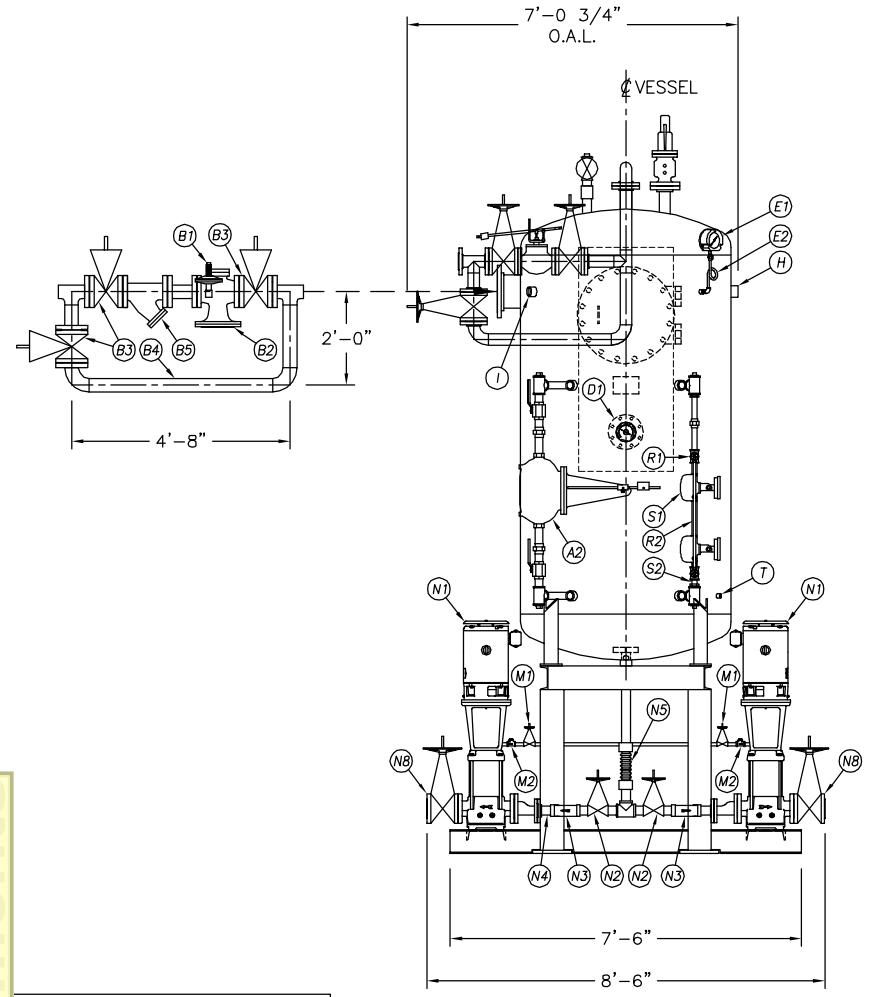
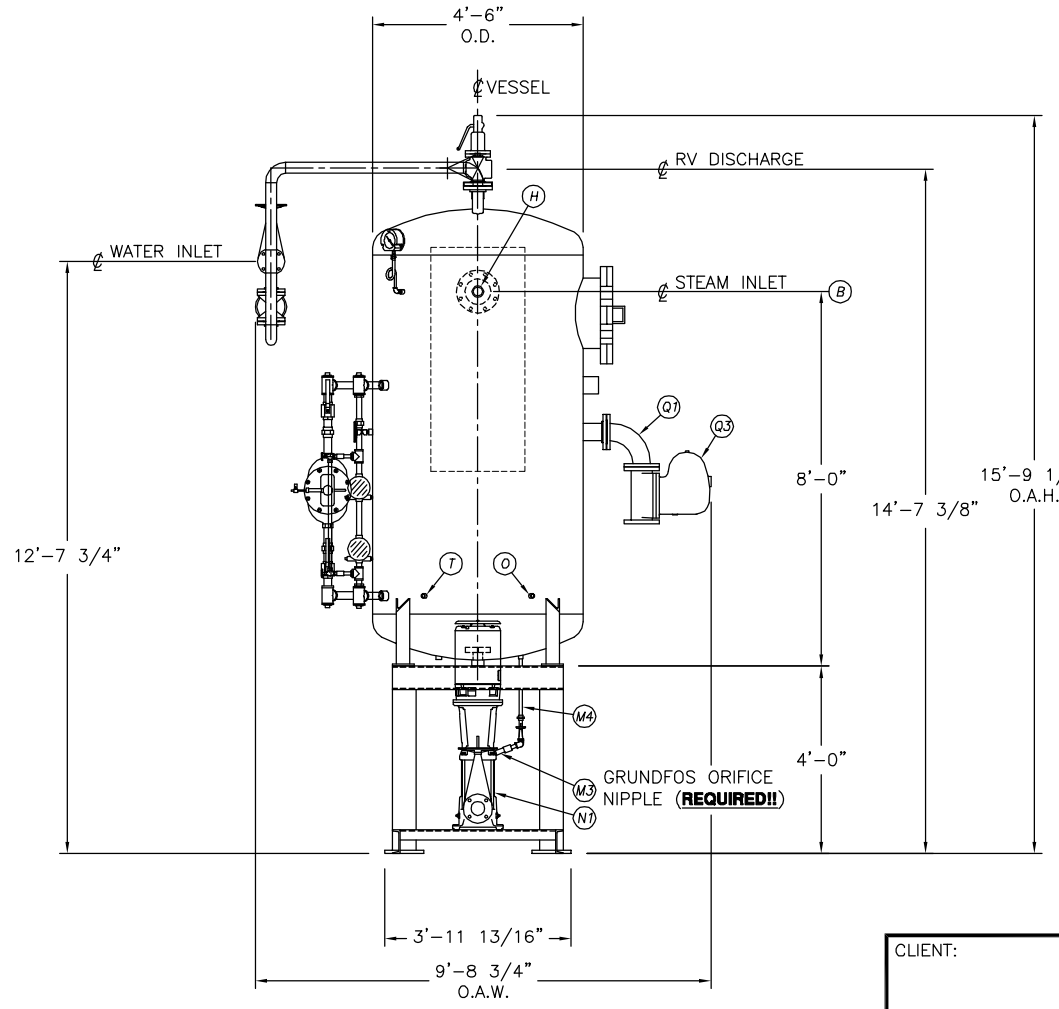



TOP VIEW




FRONT VIEW




END VIEW

| | | | | | |
|---|---|---|---|---|---|
| | | | | | |
| A1 | | INLET VALVE | | NONE | |
| A2 | | CONTROLLER | | NONE | |
| A3 | 3 | BYPASS VALVES | 2 | NIBCO | T-111 |
| A4 | 1 | MAKE UP BY-PASS PIPING | 2 | KCD SHOP | |
| A5 | | STRAINER | | NONE | |
| B1 | | STEAM PRV | | NONE | |
| B2 | | STEAM CONTROLLER | | NONE | |
| B3 | | BYPASS VALVES | | NONE | |
| B4 | | STEAM PRV BY-PASS PIPING | | NONE | |
| B5 | 1 | STRAINER | 3 | MUELLER | 752 |
| C1 | | RELIEF VALVE | | NONE | |
| C2 | | RELIEF VALVE PIPING | | NONE | |
| D1 | | THERMOMETER | | NONE | |
| | | THERMOWELL | | NONE | |
| E1 | | PRESSURE GAUGE | | NONE | |
| E2 | | SIPHON & COCK | | NONE | |
| E3 | | PRESSURE TRANS | | NONE | |
| F1 | | VENT VALVE | | NONE | |
| F2 | 1 | ORIFICE PLATES | #N/A | #N/A | |
| F3 | | BYPASS VALVES | | NONE | |
| F4 | | VENT PIPING | | NONE | |
| G1 | | MW SPARE GASKETS | | | |
| H1 | | VACUUM BREAKER | | NONE | |
| | | | | | |
| M1 | | BFP RECIRC SHUTTOFF | | | |
| M2 | | BFP RECIRC CHECK | | | |
| M3 | | BFP ORIFICE / VALVE | | | |
| M4 | | BFP PIPING | | NONE | |
| M5 | | BFP PRESSURE GAUGE | | | |
| N1 | 2 | BOILER FEED PUMPS | 4 | GRUNDFOS | CR60-50U |
| N2 | 2 | ISOLATION VALVE | 4 | NIBCO | F617-0 |
| N3 | 2 | STRAINER | 4 | MUELLER | 758 |
| N4 | 2 | PIPING | 4 | KCD SHOP | |
| N5 | 2 | EXPANSION JOINT | 4 | | |
| N6 | | BFP DISC PRESSURE GAUGE | | | |
| N7 | | BFP DISCH CHECK | | | |
| N8 | | BFP DISCH ISOLATION | | | |
| | | | | | |
| O | | CHEMICAL FEED QUILL | | NONE | |
| P | | MW SPARE GASKETS | | | |
| Q1 | | OVERFLOW VALVE | | NONE | |
| Q2 | | CONTROLLER | | NONE | |
| Q3 | | OVERFLOW PIPING | | NONE | |
| R1 | | LEVEL SWITCHES | | NONE | |
| R2 | 1 | LEVEL SWITCH BRIDLE PIPING | 1 1/2 | NIBCO | T-111 |
| S1 | | GAUGE GLASS | | NONE | |
| S2 | 1 | GAUGE GLASS BRIDLE PIPING | 1 1/2 | NIBCO | T-111 |
| T1 | | | | | |
| | | | | | |
| | | | | | |
| | 2 | CONTROL PANEL | | | |
| | | STARTERS | NONE | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | 1 | PUMP STAND | 14.2 | | |
| | | | | | |
| | | | | | |

## NOTES:

1. CUSTOMER TO FIELD ALIGN PUMPS AND MOTORS, THEN SEND KCD CERTIFICATION PAPERS.

2. GROUT STAND AS NECESSARY.

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| NO. | DATE | DESCRIPTION OF CHANGE | BY |
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CLIENT:

KANSAS CITY DEAERATOR CO.
6731 W. 121st STREET
OVERLAND PARK, KANSAS 66209
(913) 338-2111 FAX (913) 338-2144

| JOB # | SCALE | DESIGNED | DRAWN | CHECKED | DATE | UTD |
|---|---|---|---|---|---|---|
| STD | NTS | MK | GENI | PC | 12-15 2003 | 12-15 2003 |

TITLE: GENERAL ARRANGEMENT

MODEL: VTP50-4508-05-CR45-3

DWG. NO.: VTP050-4508-05-CR45-3

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