

DESIGN DATA

DESIGN PER: ASME SECTION VIII, DIV. 1, 1996 EDITION 2000 ADD.

| DESIGN INT. PRESS. (PSIG) | SHELL SIDE | TUBE SIDE | COIL SIDE |
|------------------------------|-------------|------------|-------------|
| 50 | --- | --- | --- |
| DESIGN EXT. PRESS. (PSIG) | 0 | --- | --- |
| DESIGN MAX. TEMP. (°F) | 150 | --- | --- |
| DESIGN MIN. TEMP. (°F) | -20 | --- | --- |
| HYDRO TEST PRESS. (PSIG) | 82 | --- | --- |
| RADIOGRAPHY | NOTE 15 | --- | --- |
| CORROSION ALLOWANCE | 1/16" | --- | --- |
| STRESS RELIEVE | NO | --- | --- |
| APPROX. SHIPPING WT. (lb) | SEE NOTE 11 | | |
| JOB EFFICIENCY PER ASME CODE | HEAD Girth | SHELL LONG | SHELL Girth |
| | 85% | 85% | 85% |
| GENERAL SPECIFICATIONS | NONE | | |

NAMEPLATE DATA

| | | | |
|--|-----------------------|-----------|------------|
| PLANT MAINTENANCE SERVICE CORP. MEMPHIS TENNESSEE PLANT A NO. 100 "NUMBER LATER" CERTIFIED BY W. S. ... PLANT MAINTENANCE SERVICE CORP. | M.A.W.P. - SHELL SIDE | 50 PSIG | 150 °F |
| | M.D.M. - SHELL SIDE | -20 °F | 52 PSIG |
| | SERIAL NO. | AB-891A/B | YEAR BUILT |

- GENERAL NOTES
- ALL BOLT HOLES TO STRADDLE VESSEL PRINCIPAL CENTER LINES, UNLESS OTHERWISE NOTED.
 - EACH NOZZLE & MAN-HOLE REINFORCING PAD OR SADDLE, INSTEAD SHALL HAVE ONE (1) "/8" DIA. TEST HOLE LOCATED AT LOWEST POINT FOR A/SOAP TEST. PLUG WITH GREASE.
 - VESSEL SHALL BE CLEANED INSIDE & OUTSIDE, FREE OF DIRT, GREASE, DEBRIS, LOOSE MILL SCALE, WELD SPATTER, ETC.
 - WIRE BRUSH ALL WELDS & BREAK ALL SHARP EDGES.
 - PROTECT ALL MAC-WELD SURFACES WITH A RUST PREVENTATIVE BEFORE SHIPPING.
 - INSTALL VASCOBITE COVERS ON ALL VESSEL OPENINGS AND PROTECT THREADED OPENINGS WITH PLASTIC PLUGS OR CAPS BEFORE SHIPMENT.
 - INSPECTED BY: G.C. ... A.I. ... CUSTOMER ...
 - ALL "ALL" DIMENSIONS ARE TO THE WORKLINE WHERE SPECIALLY WORKLINE SHALL BE PERMANENTLY STAMPED ON OUTSIDE OF VESSEL.
 - BL. OF MATERIAL, ON 3/16" & 1/2" SHEETS, FOR PLATE MATERIAL MARKED "X", MILL'S REQUIRE AND TRANSFER "X" NUMBERS.
 - CONVEYER SANDBLAST TO SSPS SP-10 AND PAINT EXTERNAL C/S SURFACES WITH ONE (1) COAT OF MORGANIC ZINC PRIMER, (1) TO 4 MILS (D.F.). INTERVACUATE EPOXY PRIMER (4 TO 6 VLS). FINISH ACRYLIC URETHANE (1 TO 2 VLS).
 - WEIGHTS: EMPTY = 22,600#; FLOODED = 161,517#.
 - ALL FLANGES FACE TO 125-250 RA.
 - REV #PLSD-00-EC-255-7A-900 "EM #PLSD-00-EC-255-TNK-9000"
 - W/FI REQUIRED, WELDS TO BE PREP FOR WELD INTERPERATION.
 - (SPOT) W/EX 85% JOB EFFICIENCY IS CALLED FOR, SPOT #1'S REQUIRED; IN ADDITION, ALL WELD IMPERFECTIONS SHALL BE RT EXAMINED.

WELD PROCEDURES

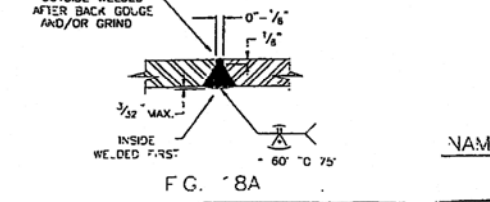
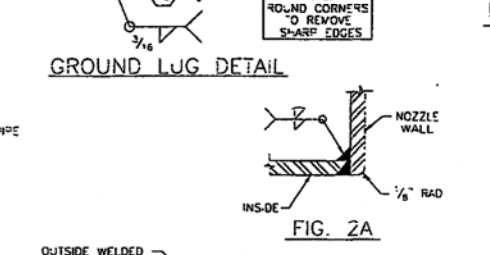
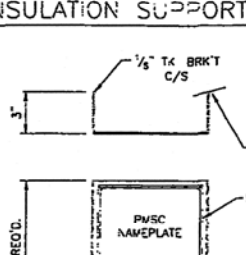
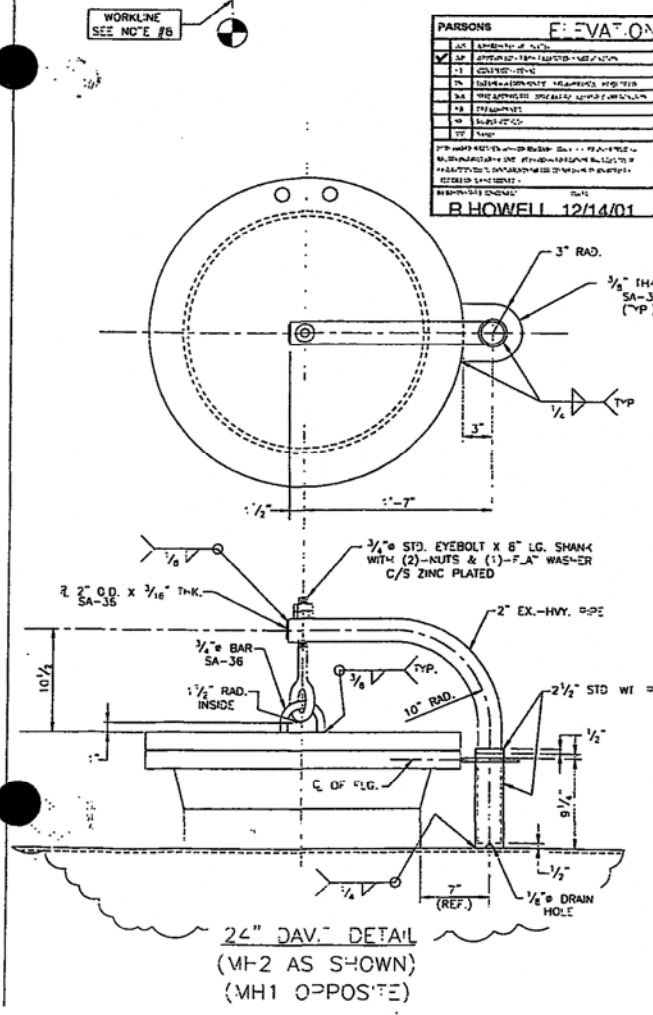
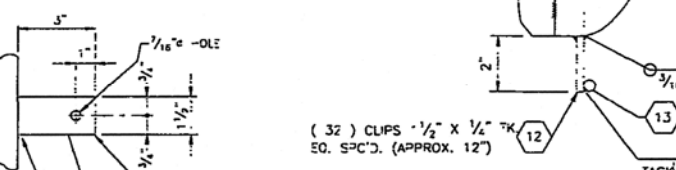
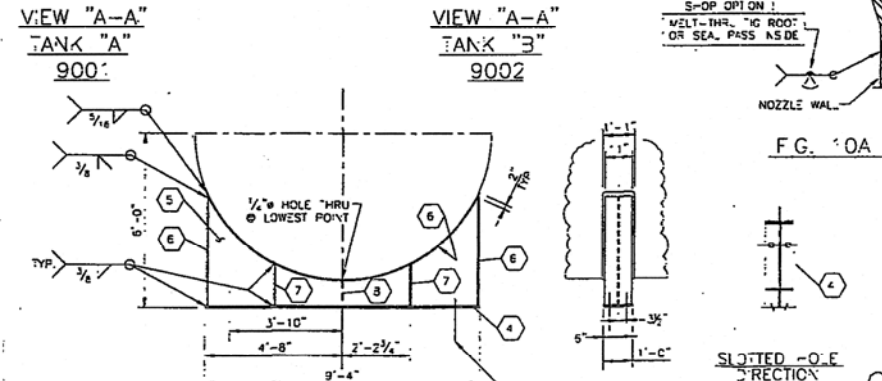
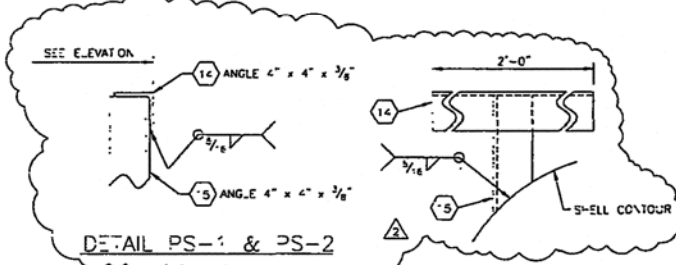
| C/S TO C/S | TMI-b | MS1-b | MS1-3 |
|------------|-------|-------|-------|
| | | | |

| NO. | DATE | REVISION | BY |
|---------|------|---|-----|
| 11/4/01 | | REVISED NOZZLE N13 SIZE & ADDED PIPE SUPPORTS & CHANGED ITEM # FOR EACH | ... |
| 10/6/01 | | REVISED PER APPROVAL DWGS & PMSC ENG'G DEPT. | ... |
| 9/6/01 | | SUBMITTED FOR APPROVAL | ... |

PLANT MAINTENANCE SERVICE CORP.
3000 FITE ROAD MEMPHIS, TENN.

JOB: (2) TWO 120" ID. x 25'-0" L/A AQUEOUS AMMONIA STORAGE TANKS
VEN: SUNDAUCE
OWNER/SER: CLOBAI POWER
PURCH/ENG: PARSONS

| | | | |
|---------|------------|----------|-------------|
| P.O. NO | 81786 | ITEM NO | SEC NOTE #3 |
| SCALE | DWG BY: 91 | ORDER NO | DWG NO: |
| | | | AB-891A/B |



APPS DWG. NO.: SDC-M-08-CLS-148704-1

PLSD-00-DV-121101-AB-891-D-S001-R1.PDF

PMSC CERTIFIED
Signed: *B. ...*
REVIEWED
Eng: *...* Date: 10/18/01
O.C. Date:

PARSONS P.O. #181786
AQUEOUS AMMONIA STORAGE TANK
TAG# SEE NOTE #13
SERVICE: 19% AQUEOUS AMMONIA
SIZE: 120" ID x 25'-0" L/A
CAPACITY: 16,630 GALS
HYDRO TEST: PRE. 82 PSIG
HEAD & SHELL: MA-1 SA-S1E-70
CORROSION ALLOWANCE 1/16"
DESIGNED PER ASME SECTION VIII, DIV. 1

| MARK | SIZE | RATING | FACT | TYPE | SIZE | FIG | WELD | FIG | WELD | FIG | WELD | FIG | WELD |
|------|--------|--------|------|------|------|-----|------|------|------|-----|------|-----|------|
| M-1 | 2" | 150# | RF | WN | 0" | 0" | --- | 0A | 3/8" | 2A | --- | --- | --- |
| N13 | 1 1/2" | 150# | RF | WN | 0" | 0" | --- | 1/2" | 2A | --- | --- | --- | --- |
| N12 | 1" | 150# | RF | WN | 0" | 0" | --- | 1/2" | 2A | --- | --- | --- | --- |
| N11 | 1" | 150# | RF | WN | 0" | 0" | --- | 1/2" | 2A | --- | --- | --- | --- |
| N10 | 1" | 150# | RF | WN | 0" | 0" | --- | 1/2" | 2A | --- | --- | --- | --- |
| N9 | 1" | 150# | RF | WN | 0" | 0" | --- | 1/2" | 2A | --- | --- | --- | --- |
| N8 | 1" | 150# | RF | WN | 0" | 0" | --- | 1/2" | 2A | --- | --- | --- | --- |
| N7 | 1" | 150# | RF | WN | 0" | 0" | --- | 1/2" | 2A | --- | --- | --- | --- |
| N6 | 1" | 150# | RF | WN | 0" | 0" | --- | 1/2" | 2A | --- | --- | --- | --- |
| N5 | 1" | 150# | RF | WN | 0" | 0" | --- | 1/2" | 2A | --- | --- | --- | --- |
| N4 | 1" | 150# | RF | WN | 0" | 0" | --- | 1/2" | 2A | --- | --- | --- | --- |
| N3 | 1" | 150# | RF | WN | 0" | 0" | --- | 1/2" | 2A | --- | --- | --- | --- |
| N2 | 1" | 150# | RF | WN | 0" | 0" | --- | 1/2" | 2A | --- | --- | --- | --- |
| N1 | 1" | 150# | RF | WN | 0" | 0" | --- | 1/2" | 2A | --- | --- | --- | --- |