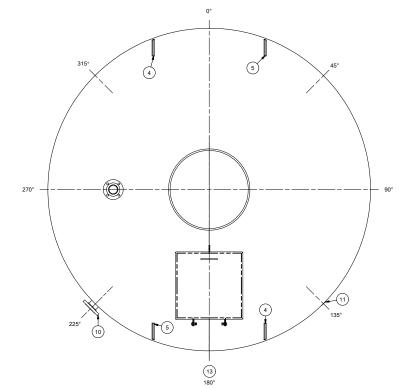
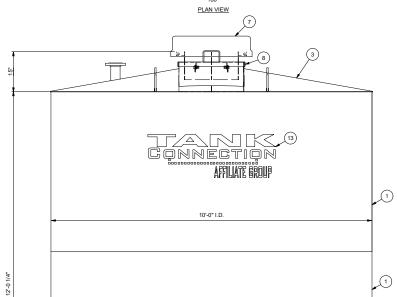
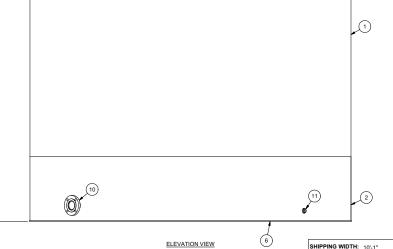


| | ITEM | ITEM DESCRIPTION | DEGREE | | ELEV. FROM | ELEV. FROM B.O.T. | ARC ON SHELL | ARC TYP. |
|---|------|--------------------------------|--------|-----|-------------|-------------------|--------------|------------|
| | | | | | EAVE TO C/L | TO C/L OF ITEM | 0.D. | BOTH SIDES |
| | | | | | OF ITEM | | | OF C/L |
| | 4/5 | LIFTING LUGS | 45/225 | | | | 47 1/4" | |
| | 7 | 20" ALUM MANWAY VENT ASSY | CTR | CTR | | | | |
| Γ | 8 | 24" MNWY HDWR & COVER KIT | 180 | 36 | | - | | |
| Γ | 9 | NAMEPLATE | 180 | | | 5'-0" | | |
| | 10 | 3" 150# R.F.S.O. NOZZLE | 225 | | | 6" | 47 1/4" | |
| | 11 | COUPLING FULL 1" 3000# SS A304 | 135 | | | 4" | 47 1/4" | |
| Γ | 13 | TC LOGO | 180 | | 2'-0" | | | |







ELEVATION VIEW

SHIPPING WIDTH: 10'-1"

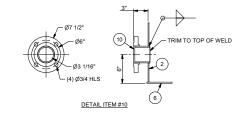
SHIPPING HT: 10"-1"

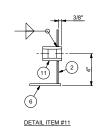
SHIPPING LG: 13'-3"

SHIPPING WT: 4,800#

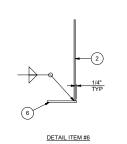
MANIFEST WT: 200#

TOTAL WT: 5,000#









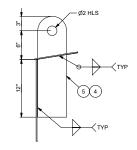
 PARENT:
 TOLERANCES UNLESS OTHERWISE NOTED

 ■**00 NOT SCALE***
 ANCILLAR DEVIATION
 PERMISSIBLE DEVIATION NOMINAL LENGTH IN INCHE

 ANSIASME *14.1 STANDARDS
 X=±1.0* / X.X = ±0.5*
 0 - 4* | 4* - 48* | 48* - 130*
 130* - 240* | 240*

 BRD ANGLE
 LINEAR TOLERANCE:
 1/32*
 1/16*
 5/32* 1/16*
 1/16*

 OULCETION INCLET NO INCLETION INCOMENCE:
 1/32*
 1/32*
 1/32* 1/32*
 1/38*
 3/16



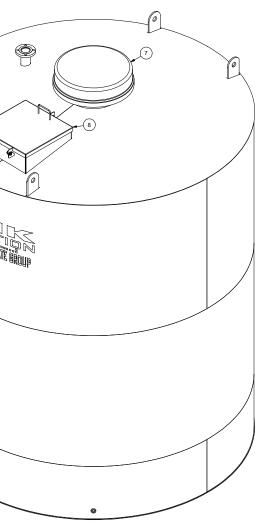
DETAIL ITEMS #4 & #5

THER USE, RETENTION,

| | ITEM | D/S | PART NUMBER | QTY | DESCRIPTION | MAT'L. GR. | EST. WT. | PAINT | CODE |
|---|--|-----|----------------|-----|--------------------------------------|------------|----------|-------|------|
| [| 1 | - | RNG13163001 | 2 | RING, 3/16" PL X 60" X 377.570 in LG | A304 | 1228 | - | - |
| ſ | 2 | - | RNG23163001 | 1 | RING, 3/16" PL X 24" X 377.570 in LG | A304 | 491 | - | - |
| | 3 | В | DKA3163001 | 1 | DECK ASSEMBLY | A304 | 693 | • | R |
| | 4 | В | LLS50621A304 | 2 | LH LIFTING LUG 1/2" X 6" X 21" | A304 | 17 | - | - |
| A | 5 | В | LRS50621A304 | 2 | RH LIFTING LUG 1/2" X 6" X 21" | A304 | 17 | - | - |
| ſ | 6 | - | 3163001001 | 1 | 1/4" PL TANK FLOOR X 10'-0 7/8" O.D. | A304 | 829 | - | - |
| [| 7 | В | VAW20IC | 1 | 20" ALUM MANWAY VENT ASSY | ALUM | 28 | - | M/R |
| | 8 | В | WSSMW24KITA304 | 1 | 24" MNWY HDWR & COVER KIT | | 45 | - | P/R |
| ſ | 9 | В | NP3163001 | 1 | NOTES AND NAMEPLATE | | 0 | - | M/R |
| [| 10 | В | FNSRF03A304 | 1 | 3" 150# R.F.S.O. NOZZLE | | 13 | - | - |
| | 11 | - | CPLGF100A304 | 1 | COUPLING FULL 1" 3000# SS A304 | A304 | 1 | - | - |
| | 12 | - | | - | - | | 0 | - | - |
| ſ | 13 | - | TCLOGO | 1 | TC LOGO | Default | 0 | - | Р |
| F | REQUIRE TEST D100 TC STD DYE PEN TEST | | | | | | | | |

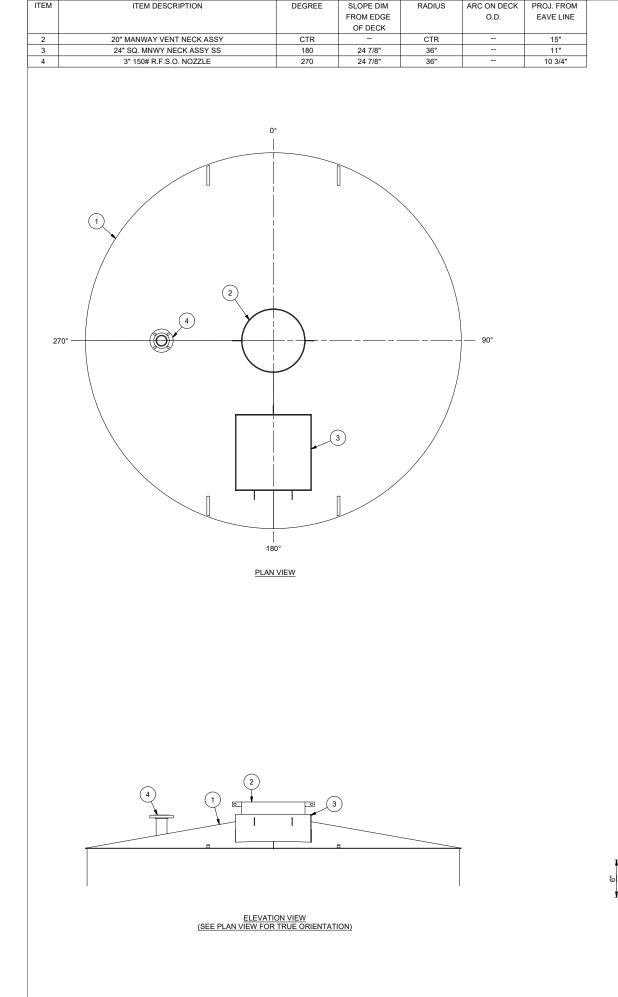
0

12/4/13 12-2-13 11/27/13 10-15-13 DATE

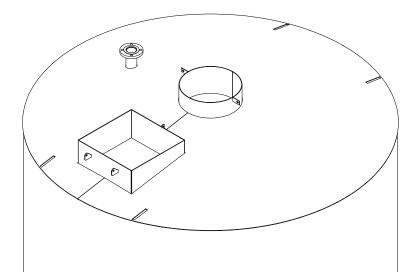


ISOMETRIC VIEW

| JC | CUSTOMER NAME: DUFFEY SOUTHEAST INC. | CERTIFIED: APPROVED FOR CONSTRUCTION | | | | | | | | |
|------------|--------------------------------------|---|--|--------|------------------|---------|-----|--|--|--|
| JC | SOUTOMENT NAME, SOTTE: SOUTHERSTING. | | | | | | | | | |
| JC | PROJECT NAME: RESIN TANK | | | PROJ # | 3163 | JOB # | 001 | | | |
| LG | PROJECT NAME: RESIN TANK | MAIN ASSEMBLY 10'-0" I.D. X 12'-0 1/4" DWG SIZE: D SCALE: NTS | | | | | | | | |
| JC | PRO ISOT I CONTION ATLANTA CA | | | DWC # | WEL 010 | 0402462 | 004 | | | |
| CHECKED BY | PROJECT LOCATION: ATLANTA, GA | | | Dwg # | WSL0100123163001 | | | | | |

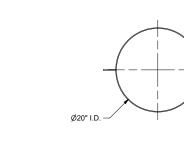


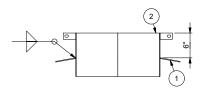
| | ITEM | D/S | PART NUMBER | QTY | DESCRIPTION | MAT'L. GR. | EST. WT. | PAINT |
|---|------|-----|--------------|-----|---------------------------|------------|----------|-------|
| A | 1 | В | DK3163001 | 1 | DECK CNC, 3/16" PL 10 DEG | A304 HRAP | 585 | - |
| | 2 | В | VWN20A304 | 1 | 20" MANWAY VENT NECK ASSY | A304 | 37 | - |
| | 3 | В | WSSMWN24A304 | 1 | 24" SQ. MNWY NECK ASSY SS | A304 | 58 | - |
| | 4 | В | FNSRF03A304 | 1 | 3" 150# R.F.S.O. NOZZLE | | 13 | - |



ISO VIEW

— Ø20 3/8" O.D.





DETAIL ITEM #2

| TOTAL WT: 693 lbmas | ss PAREN | T: | | | | | THE INFORMATION ON THIS DOCUMENT IS | | 4 | |
|---------------------------|---|----------|------------|--------------|---------------|--------|---|---|-----|-------|
| ***DO NOT SCALE*** | TOLE | RANCES | UNLESS O | THERWISE N | OTED | | CONFIDENTIAL PROPERTY OF TANK MANUFACTURER AND/OR ITS AFFILIATES. ANY | 3 | | |
| DRAWING IN INCHES | ANGULAR DEVIATION | PERMI | SSIBLE DEV | VIATION NOMI | NAL LENGTH IN | INCHES | OTHER USE, RETENTION, DISSEMINATION, FORWARDING, PRINTING OR COPYING OF THIS | CENNECTIEN | 2 | REVI |
| ANSI/ASME Y14.1 STANDARDS | $X = \pm 1.0^{\circ} / X.X = \pm 0.0^{\circ}$ | 5° 0-4" | 4" - 48" | 48" - 130" | 130" - 240" | 240"+ | DOCUMENT TO UNAUTHORIZED PARTIES IS | | 1 | REL'I |
| 3RD ANGLE | LINEAR TOLERAN | | 1/16" | 5/32" | 1/8" | 3/16" | STRICTLY PROHIBITED, WITHOUT THE EXPRESSED WRITTEN CONSENT OF TANK | AFFILIATE GROUP 3609 NORTH 16TH ST . PARSONS, KANSAS 67357 620,423,3010 . FAX: 620,423,3999 | 0 | APP |
| | HOLE TO HOLE TOLERAN | E: 1/32" | 1/32" | 1/32" | 1/16" | 1/16" | MANUFACTURER. | | REV | |

DETAIL ITEM #4

Ø7 1/2"

- Ø3 1/16"

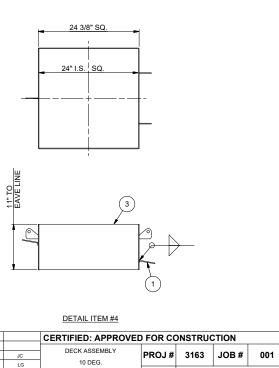
(4) Ø3/4 HLS

REVISED LIFTING LUG CUTOUTS REL'D FOR FAB APPROVAL REVISION DESCRIPTION
 12-2-13
 LG

 11/27/13
 JC

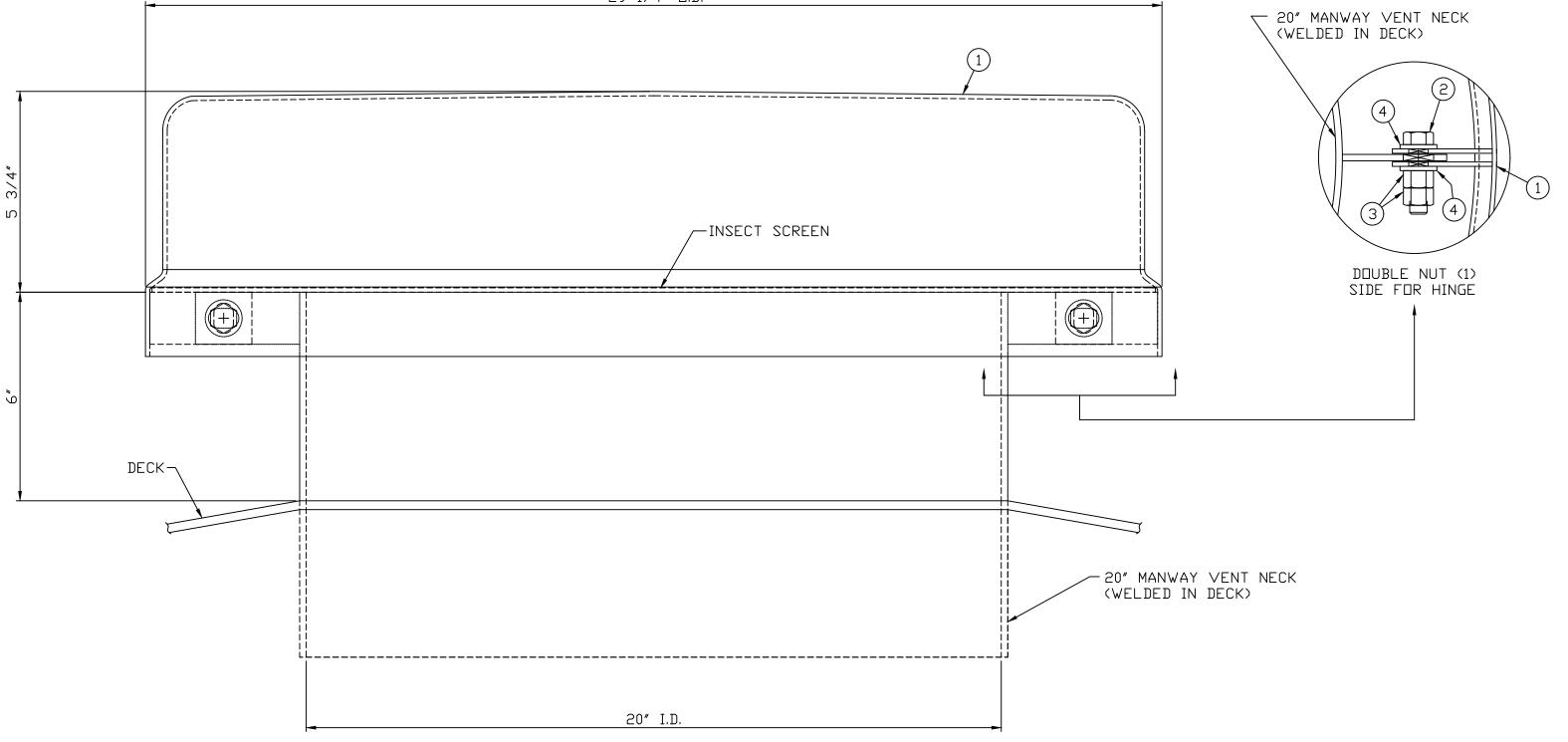
 10/14/2013
 JP

 DATE
 DRAWN BY
 CH



| LG | 10 2 | 20. | | | |
|-----------|-------------|------------|-------|--------|------|
| | | | | DKADAC | 2004 |
| HECKED BY | DWG SIZE: C | | Dwg # | DKA316 | 3001 |
| | | SCALE: NTS | | | |

| THE INFORMATION ON THIS DOCUMENT | С | | | |
|--|-----|----|------|-------------|
| IS CONFIDENTIAL. ANY OTHER USE, RETENTION, DISSEMINATION, FORWARDING, | В | | | |
| PRINTING OR COPYING OF THIS DOCUMENT | А | | | |
| PROHIBITED. | REV | BY | DATE | DESCRIPTION |



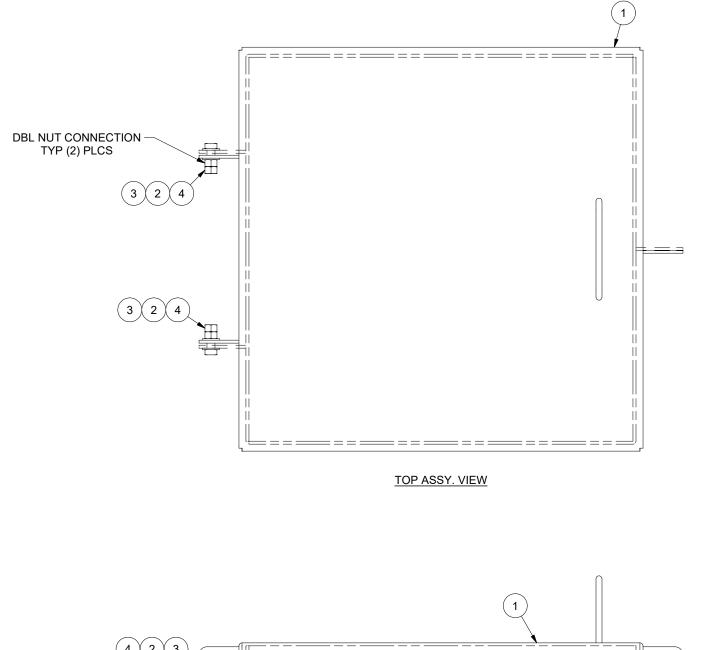
29 1/4″ D.D.

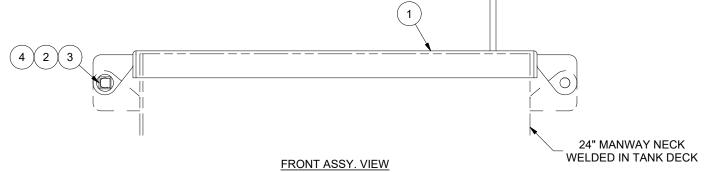
| ITEM | D/S | PART NO. | QTY, | DESCRIPTION | GRD. | WT. |
|------|-----|---------------|------|--------------------------------|------|-----|
| 1 | В | VCA20I | 1 | 20" ALUMINUM MANWAY VENT CAP | ALUM | 24 |
| 2 | - | BLTHG05002000 | 2 | BOLT 1/2" X 2" LG. HEX HD. HDG | GRD5 | |
| 3 | - | NUTHG0500 | 3 | NUT HEX 1/2" HDG | GRD5 | |
| 4 | - | WSHFG0500 | 4 | WASHER FLAT 1/2" HDG | SAE | |

ASSY WT: 24#

| DRAWN BY: | AM | | 2∩"∧ | | 1 | MANW | $\wedge \vee$ | VENT | 1221 |
|--------------|----------|---|--------|-----|------|-----------|---------------|------|------|
| DATE: | 08/30/06 | | 20 7 | | | | | | A331 |
| REVIEWED BY: | ĸs | | | vv, | / 11 | NSECT | 30 | NEEN | |
| DATE: | 08/31/06 | В | SCALE: | NTS | DR | AWING NO. | | VAW2 | OIC |

| | ITEM | D/S | PART NUMBER | QTY | DESCRIPTION | MAT'L. GR. | EST. WT. | PAINT |
|--------------|------|-----|------------------|-----|---------------------------------|------------|----------|-------|
| | 1 | В | WSSMWC24A304 | 1 | 24" SQ. MANWAY COVER ASSY | | 44 | - |
| Â | 2 | - | WSHFJS10500 | 4 | WASHER FLAT 1/2" JS1000 | F436 | 0 | - |
| | 3 | - | BLTSQJS105001500 | 2 | BOLT SQ HD 1/2" X 1 1/2" JS1000 | GR 8 | 0 | - |
| \mathbb{A} | 4 | - | NUTHJS10500 | 4 | NUT HX 1/2" JS1000 | GR 5 | 0 | - |





| TOTAL WT: 45 lbmass | B PARENT | : | | | | THE INFORMATION ON THIS DOCUMENT IS | | 4 | | | | | CERTIFIED: | APPROVE | D FOR CO | NSTRUC | TION | |
|---|---|-----------------|------------|-------------|-------|---|--|--------|------------------------|----------|----------|------------|--------------|---------------|----------|--------|----------|-----|
| ***DO NOT SCALE*** DRAWING IN INCHES | TOLER ANGULAR DEVIATION | ANCES UNLESS O | | | | MANUFACTURER AND/OR ITS AFFILIATES. ANY OTHER USE, RETENTION, DISSEMINATION, | CENNECTIEN | 3 2 | | | | | 24" MNWY HDW | R & COVER KIT | PROJ # | 3163 | JOB # | 001 |
| | $X = \pm 1.0^{\circ} / X.X = \pm 0.5^{\circ}$ | 0 - 4" 4" - 48" | 48" - 130" | 130" - 240" | 240"+ | DOCUMENT TO UNAUTHORIZED PARTIES IS | | | REV'D QTYS | 12/20/13 | GLS | JC |] | | | | | |
| 3RD ANGLE | LINEAR TOLERANCE: | 1/02 1/10 | 5/32" | 1/8" | | STRICTLY PROHIBITED, WITHOUT THE EXPRESSED WRITTEN CONSENT OF TANK | 3609 North 16th St . Parsons, Kansas 67357 620.423.3010 . Fax: 620.423.3999 | 0 | REL'D FOR CONSTRUCTION | 11/27/13 | JC | LS | _ | | DWG # | WSSMW | 24KITA3(| 04 |
| | HOLE TO HOLE TOLERANCE: | 1/32" 1/32" | 1/32" | 1/16" | 1/16" | MANUFACTURER. | | REV | REVISION DESCRIPTION | DATE | DRAWN BY | CHECKED BY | DWG SIZE: B | SCALE: NTS | | | | |

SAFETY / OPERATIONAL NOTES

1. Tank is designed for loads induced from a liquid product.

- 2. Do not field cut openings in tank without written consent from Tank Connection
- 3. Customer is responsible for providing proper bracing of their equipment attaching to any part of the tank.
- 4. Tank foundation shall be level within 1/8" in any 30' circumference under the tank shell. Levelness on circumference shall not vary more than ¼" from any established plane. 5. If anchor bolts are not provided by Tank Connection or if tank is supported by load cells, adequate anchoring necessary to resist all wind and seismic loads is the responsibility of the customer
- 6. Application of loads to tank from equipment, other than those noted on the project drawings, must be approved in writing by Tank Connection prior to installation.
- 7. Tank is designed for atmospheric (equalized) pressure internally and externally. Customer to assure proper ventilation is provided and maintained.
- 8. Tank is designed for symmetrical center filling and center discharged material unless special requirements are known to design for side fill and / or side discharge. Tank Connection is not responsible for damage to the tank as a result of a product flow pattern other than the intended flow pattern.
- 9. Tanks with hoppers require allowance for unrestricted expansion and contraction of the hopper. Flexible connections or other devices shall be designed, supplied and installed by others.

INSTALLATION NOTES

- 1. Customer must allow 100 feet plus tank height clear space for unloading
- 2. Terrain must be physically maneuverable.
- 3. Installation contractor shall coordinate touch-up coating procedures. Contractor to follow manufacturer's label instructions
- 4. All bolted connections to be min, snug tight unless noted otherwise.
- 5. Use a tailing crane to support the lower end of the tank during erection to avoid damage to the tank.
- 6. In order to properly orient skirted tanks, Tank Connection will provide a 3" long weld line near the bottom of the shell marked with "0°". All other major centerlines will be marked with a 2" long weld mark only.

DESIGN CRITERIA

| Design Code | TC Standards |
|--|--|
| Roof Live Load | 25 pounds per square foot |
| Wind Design / Conditions | AWWA D100-05, V=0 miles per hour, Exp. C, I=1.15 |
| Seismic Design / Conditions | AWWA D100-05, Ss=23.7%, S1=8.8%, Site Class D, I=1.50, USE GROUP = 3 |
| Design Pressure / Vacuum | +10.0 / -1.0 ounces per square inch |
| Operating Pressure / Vacuum | +10.0 / -1.0 ounces per square inch |
| Product Stored | RESIN |
| Specific Gravity | 1.17 |
| Operating Temperature of Stored Material | Ambient |
| Working Capacity | 6463 gallons, based on 0" freeboard |
| TANK CONSTRUCTED OF ASTM CERTIFIED SH | EET, PLATE, AND STRUCTURAL MEMBERS |

WELDING

| Interior Grind Requirements | Smooth not flush |
|-----------------------------|---|
| Cylinder | Full penetration double butt welds on all vertical and circumferential weld |
| Deck to Cylinder | Double fillet weld |
| Accessories and Nozzles | Double fillet weld |
| Bottom of Cylinder | Double fillet weld |
| Bottom Sheet Seam | Full penetration double butt welds |
| | |

ALL FILLET WELDS TO BE MINIMUM 3/16" UNLESS NOTED OTHERWISE

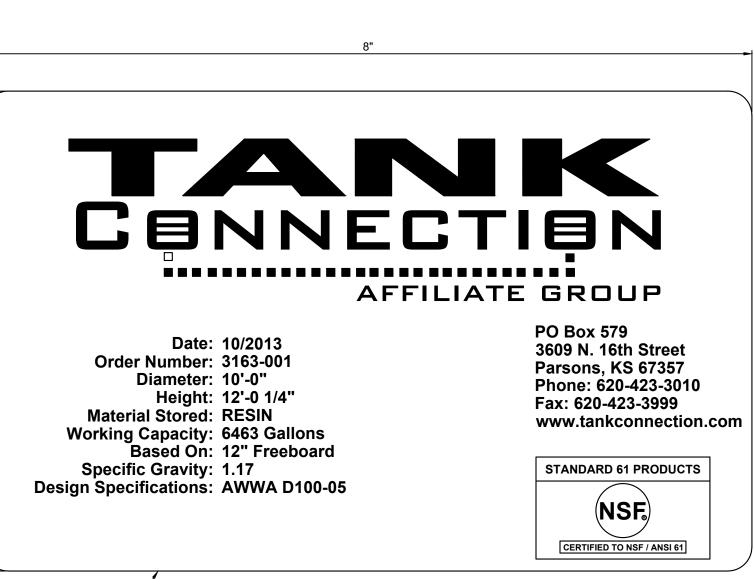
GASKET

EPDM Synthetic Rubber White

MATERIAL SPECIFICATION

| Sheet | A304 2B |
|--|-----------------------|
| Plate (standard) | A304 HRAP |
| Structural Shapes (angle / channel) | A304 |
| Structural Shapes (w-shapes) | A304 |
| Stainless Steel Pipe / Tube | A304 |
| Stainless Steel Structural Pipe / Tube | ASTM A500 Grade B |
| Stainless Steel Bolts (standard) | SAE Grade 5 ASTM A325 |
| Stainless Steel Bolts (high strength) | SAE Grade 8 |

| ITEM | D/S | PART NO. | QTY | |
|------|-----|----------|-----|--|
| 1 | | | | |



NAMEPLATE IS CONSTRUCTED OF CORROSION RESISTANT PLASTIC AND MOUNTED TO THE TANK USING INDUSTRIAL STRENGTH DOUBLE SIDED TAPE



| TOTAL WT: | PARENT: | THE INFORMATION ON THIS DOCUMENT IS CONFIDENTIAL PROPERTY OF TANK | | | | | | CERTIFIED: APPROVED FC | | | FOR CONSTRUCTION | | | |
|-----------------------------|---|---|-----|----------------------|------------|----------|------------|------------------------|------------|--------|------------------|-------|-----|--|
| ***DO NOT SCALE*** | TOLERANCES UNLESS OTHERWISE NOTED | MANUFACTURER AND/OR ITS AFFILIATES. ANY | | | | | | NOTES AND N | AMEPI ATE | | | | | |
| DRAWING IN INCHES | ANGULAR DEVIATION PERMISSIBLE DEVIATION NOMINAL LENGTH IN INCHES | OTHER USE, RETENTION, DISSEMINATION, CONNECTION | | | | | | | | PROJ # | 03163 | JOB # | 001 | |
| ANSI/ASME Y14.1 STANDARDS | $X = \pm 1.0^{\circ} / X.X = \pm 0.5^{\circ} 0 - 4^{\circ} 4^{\circ} - 48^{\circ} 48^{\circ} - 130^{\circ} 130^{\circ} - 240^{\circ} 240^{\circ} +$ | DOCUMENT TO UNAUTHORIZED PARTIES IS | 01 | REL'D FOR FAB | 11/27/13 | JC | LG | | | | | | | |
| 3RD ANGLE | LINEAR TOLERANCE: 1/32" 1/16" 5/32" 1/8" 3/16" | STRICTLY PROHIBITED, WITHOUT THE EXPRESSED WRITTEN CONSENT OF TANK 62D,423,3010 , FAX: 62D,423,3999 | 00 | Unchecked | 10/15/2013 | LG | | | | | NP31630 | 001 | | |
| $\Psi \subseteq$ PROJECTION | HOLE TO HOLE TOLERANCE: 1/32" 1/32" 1/32" 1/16" 1/16" | MANUFACTURER. | REV | REVISION DESCRIPTION | DATE | DRAWN BY | CHECKED BY | DWG SIZE: B | SCALE: NTS | | | | | |

Ē

| DESCRIPTION | MAT'L. GR. | EST. WT. | PAINT | | |
|-------------|------------|----------|-------|--|--|
| | | | | | |

NAMEPLATE DETAIL