



# SMBC RAIL SERVICES

SULFURIC ACID



Tank cars specifically designed for the transportation of sulfuric acid.

# SPECIFICATIONS

**13,640 Gallon Capacity**  
**263,000 lbs. Gross Rail Load**  
**DOT 111A100W2**

## GENERAL DATA

**13,640**

|                                       |                       |
|---------------------------------------|-----------------------|
| <b>Specification Stencilled</b> ..... | <b>DOT 111A100W2</b>  |
| <b>Shell Full Capacity</b> .....      | <b>13,640 Gallons</b> |
| <b>Gross Rail Load</b> .....          | <b>263,000 lbs.</b>   |
| <b>Estimated Lightweight</b> .....    | <b>55,900 lbs.</b>    |
| <b>Length Over Strikers</b> .....     | <b>39' 11-11/16"</b>  |
| <b>Truck Centers</b> .....            | <b>29' 1-7/16"</b>    |
| <b>Height, Extreme</b> .....          | <b>14' 1-9/16"</b>    |
| <b>Width, Extreme</b> .....           | <b>9' 10-3/8"</b>     |

## TANK

|                                     |                      |
|-------------------------------------|----------------------|
| <b>Class</b> .....                  | <b>DOT 111A100W2</b> |
| <b>Inside Diameter</b> .....        | <b>98"</b>           |
| <b>Length Over Tank Heads</b> ..... | <b>36' 5-5/16"</b>   |
| <b>Plate Thickness</b> .....        | <b>9/16"</b>         |

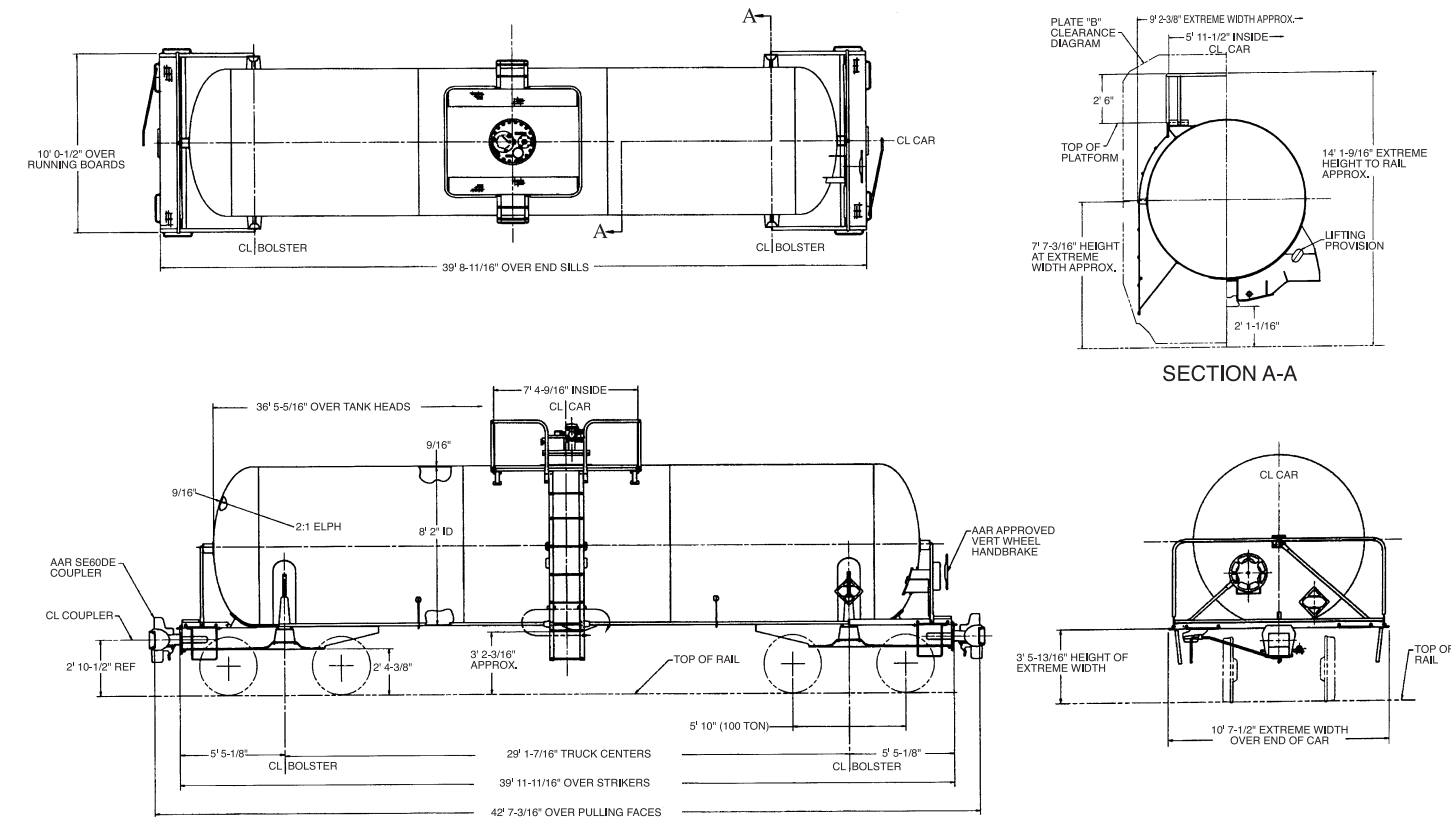
## TANK FITTINGS

|                                  |                                   |
|----------------------------------|-----------------------------------|
| <b>Manway Cover</b> .....        | <b>ASTM A-516 Gr. 70 C.S.</b>     |
| <b>Manway Nozzle</b> .....       | <b>22"</b>                        |
| <b>Siphon Pipe</b> .....         | <b>2" C.S. Pipe</b>               |
| <b>Siphon Valve</b> .....        | <b>N/A</b>                        |
| <b>Air Inlet</b> .....           | <b>1" C.S. Screwed Ball Valve</b> |
| <b>Safety Valve</b> .....        | <b>75 psi C.S.</b>                |
| <b>Vacuum Relief Valve</b> ..... | <b>S.S.</b>                       |
| <b>Gauging Device</b> .....      | <b>S.S. Visual Marker</b>         |
| <b>Bottom Outlet Valve</b> ..... | <b>N/A</b>                        |
| <b>Sump</b> .....                | <b>Low Profile</b>                |

## TRUCKS

|                     |                            |
|---------------------|----------------------------|
| <b>Type</b> .....   | <b>100 Ton Capacity</b>    |
| <b>Wheels</b> ..... | <b>Steel, 36" One-Wear</b> |

## GENERAL ARRANGEMENT



## MANWAY & FITTINGS ARRANGEMENT

