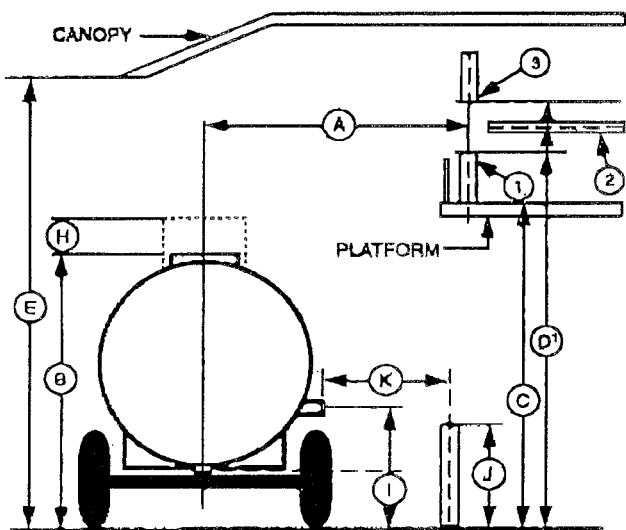


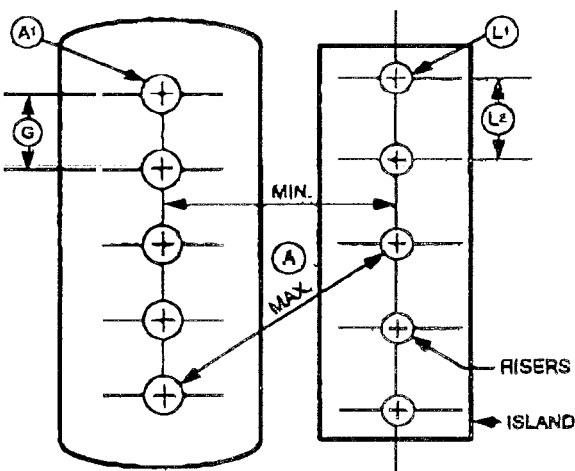
# OPW Engineered Systems

# Liquid Loader Design Information

Project: \_\_\_\_\_  
 Location (city, state): \_\_\_\_\_  
 Distributor: \_\_\_\_\_ Phone: \_\_\_\_\_ Contact: \_\_\_\_\_ Date: \_\_\_\_\_



END VIEW



TOP VIEW

**Type of Requirement**  
 Rack Identification \_\_\_\_\_  
 Quantity \_\_\_\_\_  
 Top Loading  Bottom Loading  Vapor Recovery   
 Tank Trucks  Rail Cars:   
 If Tight Fill, Specify Connection \_\_\_\_\_  
 Will the Product be:  
 Splash-loaded  Sub-surface  or Tight-fill

**Materials to be Transferred**  
 Product to be Handled \_\_\_\_\_ Viscosity \_\_\_\_\_ SSU  
 Temperature \_\_\_\_\_ °F, Concentration (if applicable) \_\_\_\_\_  
 Special Characteristics \_\_\_\_\_

**Sizes & Capacities**  
 Pipe Size 2"  3"  4"  6"  Vapor Pipe Size 1"  2"  3"  4"   
 Max. PSIG \_\_\_\_\_ Working PSIG \_\_\_\_\_  
 Discharge Rate \_\_\_\_\_ GPM

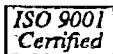
**Desired Materials of Construction:**  
 1) Metals:  Carbon Steel  Aluminum  316 Stainless Steel  Other \_\_\_\_\_  
 2) Desired:  BUNA  Neoprene  VITON  EPT  TEFLON  Other \_\_\_\_\_

**Features**  
 Loading Arms to be: Right Hand  Left Hand   
 Is Shut-off Valve Required? Yes  No   
 Will Arm Return Product? Yes  No   
 Location \_\_\_\_\_ Desired Type of Valve \_\_\_\_\_  
 Will Valve be Used to Shut Down Line? Yes  No   
 Will Additional Equipment be Added by Others?  
 (Specify Weight & Location)  
 Electrical Tracing \_\_\_\_\_ lbs/ft  
 Insulation \_\_\_\_\_ lbs/ft  
 Hose \_\_\_\_\_  
 Other \_\_\_\_\_

Other Desired Features: \_\_\_\_\_

**Dimensional Data:**  
**Top Loading/Unloading**  
 A C<sub>L</sub> of Riser to C<sub>L</sub> of Tank Opening: MAX. \_\_\_\_\_ MIN. \_\_\_\_\_  
 A<sup>1</sup> Number of Openings \_\_\_\_\_  
 B Ground Level to Top of Tank \_\_\_\_\_  
 C Ground Level to Top of Platform \_\_\_\_\_  
 D Ground Level to Riser \_\_\_\_\_  
 Riser Configuration: 1  2  3   
 E Ground Level to Overhead Obstruction \_\_\_\_\_  
 H Top of Tank to Top of Safety Rail \_\_\_\_\_  
 L<sub>1</sub> Number of Risers \_\_\_\_\_  
 L<sub>2</sub> Distance Between Risers \_\_\_\_\_  
 G Distance Between Openings \_\_\_\_\_

**Bottom Loading/Unloading**  
 I Ground Level to C<sub>L</sub> Tank Connection \_\_\_\_\_  
 J Ground Level to Top of Riser \_\_\_\_\_  
 K C<sub>L</sub> of Riser to Tank Fitting: MAX. \_\_\_\_\_ MIN. \_\_\_\_\_  
 L<sub>1</sub> Number of Risers \_\_\_\_\_  
 L<sub>2</sub> Distance Between Risers \_\_\_\_\_



A **DOVER** RESOURCES COMPANY

**Toll-Free Customer Service 800-547-9393**  
**Toll-Free Fax 800-245-8536**



# Fax

<b>To:</b> Centro, Inc.	<b>From:</b>
<b>Fax:</b> 901-357-1379	<b>Pages:</b>
<b>Phone:</b> 800-344-3286	<b>Date:</b>
<b>Re:</b>	<b>CC:</b>

Please fill out this specification form and fax to one of the three locations:

Memphis: 901-357-1379

Little Rock: 501-835-2277

Nashville: 615-255-2212