

# VESSEL DATA SHEET

|  |  |   |               |  |      |  |   |  |                     |  |      |   |      |           |  |                          |                          |
|--|--|---|---------------|--|------|--|---|--|---------------------|--|------|---|------|-----------|--|--------------------------|--------------------------|
| Company and customer name  |  | Email and phone number  |               | Country of Installation  |      | State/Province of Installation:                          |   |  |                     |  |      |   |      |           |  |                          |                          |
| Material Type  |  |   | Customer Part |  |      | Description:   |   |  | Quantity of Vessels |  |      |   |      |           |  |                          |                          |
| Diameter   |  | Total Capacity (gal)  |               | Length, Seam-to-seam   |      | Overall Length   |   | Type:<br>Vertical <input type="checkbox"/> Horizontal <input type="checkbox"/> Sphere <input type="checkbox"/>       |                     |  |      |   |      |           |  |                          |                          |
| National Board Registration required:<br>Yes <input type="checkbox"/> No <input type="checkbox"/>  |  | Canadian Registration required:<br>Yes <input type="checkbox"/> No <input type="checkbox"/> |               | Special Service Lethal (L) <input type="checkbox"/>                    |      |  | Jacket: <input type="checkbox"/><br>Type: _____ |  |                     |  |      |   |      |           |  |                          |                          |
| OPERATING CONDITIONS:  |  |   |               | Minimum Pressure   |      | Maximum Pressure   |   | Minimum Temperature  |                     | Maximum Temperature                        |      |   |      |           |  |                          |                          |
| Case 1   |  |   |               |  |      |  |   |  |                     |  |      |   |      |           |  |                          |                          |
| Case 2   |  |   |               |  |      |  |   |  |                     |  |      |   |      |           |  |                          |                          |
| DESIGN CONDITIONS:   |  |   |               | Pressure   |      |  |   | Temperature  |                     |  |      |   |      |           |  |                          |                          |
| Internal Design Pressure:  |  |   |               |  |      |  |   |  |                     |  |      |   |      |           |  |                          |                          |
| External Design Pressure:  |  |   |               |  |      |  |   |  |                     |  |      |   |      |           |  |                          |                          |
| MAWP Internal:   |  |   |               | Same as Design Pressure: <input type="checkbox"/>                      |      |  |   | Calculated by Manufacturer: <input type="checkbox"/>   |                     |  |      |   |      |           |  |                          |                          |
| MAWP External:   |  |   |               | Same as Design Pressure: <input type="checkbox"/>                      |      |  |   | Calculated by Manufacturer: <input type="checkbox"/>   |                     |  |      |   |      |           |  |                          |                          |
| Minimum Design Metal Temperature (MDMT - Case 1)   |  |   |               | Deg F @  |      | PSIG   |   | Due: Process <input type="checkbox"/> Other <input type="checkbox"/><br>Ambient Temperature <input type="checkbox"/> |                     |  |      |   |      |           |  |                          |                          |
| Minimum Design Metal Temperature (MDMT - Case 2)   |  |   |               | Deg F @  |      | PSIG   |   | Due: Process <input type="checkbox"/> Other <input type="checkbox"/><br>Ambient Temperature <input type="checkbox"/> |                     |  |      |   |      |           |  |                          |                          |
| Corrosion Allowance:   |  | Shell   |               | Heads  |      | Nozzles  |   | Jacket   |                     | Coil                                       |      | Supports  |      | Internals |  | Corrosive Services?      |                          |
|  |  | Int.  | Ext.          | Int.   | Ext. | Int.   | Ext.  | Int.   | Ext.                | Int.                                       | Ext. | Int.  | Ext. |           |  | Yes                      | No                       |
|  |  |   |               |  |      |  |   |  |                     |  |      |   |      |           |  | <input type="checkbox"/> | <input type="checkbox"/> |
| Cyclic Service: Yes <input type="checkbox"/> No <input type="checkbox"/>   |  |   |               | _____ Cycles per year _____  |      |  |   | Design Life _____ years  |                     |  |      | Fatigue Analysis Yes <input type="checkbox"/> No <input type="checkbox"/> |      |           |  |                          |                          |
| Wind Loading:  |  | ASCE 7 <input type="checkbox"/>   |               | Wind Speed   |      | Classification Category                                  |   | Exposure Category  |                     | Topographic Factor                         |      | Elevation   |      |           |  |                          |                          |
| UBC <input type="checkbox"/>   |  | IBC <input type="checkbox"/>  |               |  |      |  |   |  |                     |  |      |   |      |           |  |                          |                          |
| Other <input type="checkbox"/>   |  | None <input type="checkbox"/>   |               |  |      |  |   |  |                     |  |      |   |      |           |  |                          |                          |
| Seismic Loading:   |  | ASCE 7 <input type="checkbox"/>   |               | Soil Profile Classification:   |      | Radiography  |   | Post Weld Heat Treat:  |                     | Other Loadings Per UG-22: _____            |      |   |      |           |  |                          |                          |
| UBC <input type="checkbox"/>   |  | IBC <input type="checkbox"/>  |               | _____  |      | Yes <input type="checkbox"/> No <input type="checkbox"/> |   | Yes <input type="checkbox"/> No <input type="checkbox"/>   |                     | Temp. Gradients: <input type="checkbox"/>  |      | Deflagration <input type="checkbox"/>                                     |      |           |  |                          |                          |
| Other <input type="checkbox"/>   |  | None <input type="checkbox"/>   |               |  |      |  |   |  |                     | Diff Thermal Exp. <input type="checkbox"/> |      |   |      |           |  |                          |                          |
| Insulated: Yes <input type="checkbox"/> No <input type="checkbox"/><br>By Manufacturer <input type="checkbox"/> By Others <input type="checkbox"/> |  |   |               | Type   |      | Thickness  |   | Density  |                     | Coating Specifications:                    |      |   |      |           |  |                          |                          |
|  |  |   |               | External _____   |      | External _____   |   | _____  |                     | _____                                      |      |   |      |           |  |                          |                          |
|  |  |   |               | Internal _____   |      | Internal _____   |   | _____  |                     | _____                                      |      |   |      |           |  |                          |                          |
| Vessel Support Legs: <input type="checkbox"/> Skirt <input type="checkbox"/> Lugs <input type="checkbox"/> Saddles <input type="checkbox"/>        |  |   |               | Fireproofing: Yes <input type="checkbox"/> No <input type="checkbox"/> |      |  |   | Type   |                     | Rating (hr):                               |      |   |      |           |  |                          |                          |

# VESSEL DATA SHEET

## DESIGN DATA - VERTICLE TANK

| 1 External Attachments Description |                      | 2 Preliminary Nozzle Schedule   |      |      |      |                         |        |
|------------------------------------|----------------------|---|------|------|------|-------------------------|--------|
| a                                  | Name Plate           | Note: Sketch approximate size and locations of each nozzle on the <b>Blank Tank Shell*</b> image. Provide a letter call out that is in alignment to the schedule column MK. |      |      |      |                         |        |
| b                                  | Davit Arm            |   |      |      |      |                         |        |
| c                                  | Lifting Lugs         |   |      |      |      |                         |        |
| d                                  | Insulation Ring Type | MK.   | Qty. | Size | Type | Class or Fitting Rating | Blinds |
| e                                  | Legs (Qty)           | a   |      |      |      |                         |        |
| f                                  | Support Lugs (Qty)   | b   |      |      |      |                         |        |
| g                                  | Saddles              | c   |      |      |      |                         |        |
| h                                  | Gaskets              | d   |      |      |      |                         |        |
|                                    |                      | e   |      |      |      |                         |        |
|                                    |                      | f   |      |      |      |                         |        |
|                                    |                      | g   |      |      |      |                         |        |
|                                    |                      | h   |      |      |      |                         |        |
|                                    |                      | i   |      |      |      |                         |        |
|                                    |                      | j   |      |      |      |                         |        |
|                                    |                      | k   |      |      |      |                         |        |
|                                    |                      | l   |      |      |      |                         |        |
|                                    |                      | m   |      |      |      |                         |        |
|                                    |                      | n   |      |      |      |                         |        |

Project Notes and Critical Dimensions

### Blank Tank Shell\*

