








# Amman Strategic Reserve Terminal for Petroleum Products





OMJ DOCUMENT		ILF COMMENT SHEET	
No.	OMJ-DAT-SRT-ST-0022	No.	SRT-OMJ-DCS-0014-
Rev.	B	Date	14.11.2014
Status	<input type="checkbox"/>	A: Approved	(APP)
	<input checked="" type="checkbox"/>	B: Approved as noted	(AAN)
	<input type="checkbox"/>	D: For Information	(INF)

0	28/05/2015	Approved for construction	CLOB	MAPM	PBB	IGC
B	10/10/2014	Issued for Review	CLOB	MAPM	PBB	IGC
Rev.	Date	Issue Purpose / Description	Prepared	Checked	Approved	Accepted
Client  MINISTRY OF ENERGY & MINERAL RESOURCES		THE HASHEMITE KINGDOM OF JORDAN MINISTRY OF ENERGY AND MINERAL RESOURCES				
Owner's Engineer  ILF CONSULTING ENGINEERS		Document Title <b>STORAGE TANKS-DIESEL TANKS SRT-T-25-011/012/013/014/015/016            PRELIMINARY DATA SHEET</b>				
Contractor  OHL - MID Joint Venture for ASTPP Project - Amman, Jordan		Contractor's Doc. No.  <b>P40341-EE-100-ME-HE-00G003</b>	Official Document Number  <b>OMJ-DAT-SRT-ST-0022</b>		Rev. Code  <b>0</b>	

Employer:	EPCC Contractor:	Consultant:
 MINISTRY OF ENERGY & MINERAL RESOURCES	 <b>OHL Industrial</b>  OHLI - MID Joint Venture for ASTPP Project - Amman, Jordan	 CONSULTING ENGINEERS
Project Title: <b>Amman Strategic Reserve Terminal for</b>		
Document Title: STORAGE TANKS-DIESEL TANKS SRT-1-25-011/012/013/014/015/016 PRELIMINARY DATA SHEET		
Document Number: OMJ-DAT-SRT-ST-0022		
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Employer  MINISTRY OF ENERGY & MINERAL RESOURCES	EPCC Contractor: <div style="text-align: center;">  <b>OHL Industrial</b>            OHLI - MID Joint Venture for ASTPP Project - Amman, Jordan       </div>	Consultant:  CONSULTING ENGINEERS
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\* For boxes marked with \*, if blank, Mfr. Shall determine and submit as per Appendix L. For all lines, see Appendix L for line-by-line instructions.

GENERAL			Special Documentation Package Requirements: <span style="color: red;">OMJ-SPC-SRT-ST-0001 STORAGE TANKS-VERTICAL STORAGE TANKS-SPECIFICATION</span>		
Measurement Units to be used in API Std 650:			SI <input checked="" type="checkbox"/>	US Customary <input type="checkbox"/>	
1. Manufacturer* _____			Contract No.* <span style="color: red;">OMJ-REQ-SRT-ST-0029 / 4B005</span>		
Address* _____					
Mfg. Serial No.* <span style="color: red;">To be completed by Mfg.</span>			Year Built* <span style="color: red;">2016</span>		Edition & Addendum to API 650* <span style="color: red;">12<sup>th</sup> Edition, 2013</span>
2. Purchaser <span style="color: red;">OHL-MID JV (OMJ)</span>			Contract No. <span style="color: red;">OMJ-REQ-SRT-ST-0029 / 4B005</span>		
Address <span style="color: red;">675 Amman 11821 Jordan // Mousa Abdulsalam Haneyah St. Bldg.#(28)</span>					
Tank Designation <span style="color: red;">DIESEL STORAGE TANKS, Tag No. SRT-T-25-011/012/013/014/15/016</span>					
3. Owner/Operator <span style="color: red;">Ministry of Energy and Mineral Resources of Jordan</span>			Location <span style="color: red;">Amman Strategic Reserve Terminal for Petroleum Product</span>		
4. Size Limitations* _____			Tank Diameter* <span style="color: red;">ID 46.0 m</span>		Shell Height* <span style="color: red;">23.0</span>
Capacity: Maximum* <span style="color: red;">34,000 m<sup>3</sup></span>		Net Working* <span style="color: red;">30,000</span>		Criteria* <span style="color: red;">API 2350</span>	
5. Products Stored: <span style="color: red;">Diesel</span>					
Liquid _____		Max. S.G.: <span style="color: red;">0.87</span>		at <span style="color: red;">15 ° C</span>	
Blanketing Gas <span style="color: red;">N/A</span>		Vapor Pressure <span style="color: red;">10,15</span>		PSIA at Max. Operating Temp.	
% Aromatic _____		H <sub>2</sub> S Service? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Suppl. Spec. _____	
Other Special Service Conditions? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Suppl. Spec. _____			
DESIGN AND TESTING			Purchaser to Review Design Prior to Ordering Material? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
6. Applicable API Standard 650 Appendices: * A <input type="checkbox"/> B <input type="checkbox"/> C <input checked="" type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> H <input type="checkbox"/> I <input type="checkbox"/> J <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> O <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> S <input type="checkbox"/> U <input type="checkbox"/> V <input type="checkbox"/> W <input type="checkbox"/>					
7. Max. Design Temp. <span style="color: red;">60 ° C</span>		Design Metal Temp.* <span style="color: red;">(MIN) -10 ° C</span>		Design Liquid Level* <span style="color: red;">20,685m</span>	
Design Pressure <span style="color: red;">ATM</span>		External Pressure <span style="color: red;">N/A</span>		Maximum Fill Rate <span style="color: red;">284 m<sup>3</sup>/h</span>	
Maximum Emptying Rate <span style="color: red;">284 m<sup>3</sup>/h</span>		Floation Considerations? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Flot. Suppl. Spec.* _____		Applied Supplemental Load Spec. _____			
8. Seismic Design? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Appendix E <input checked="" type="checkbox"/> Alternate Seismic Criteria <span style="color: red;">OMJ-SPC-SRT-ST-0002 STORAGE TANKS-VERTICAL STORAGE TANKS-DESIGN BASIS</span> Seismic Use Group <span style="color: red;">III</span>					
MBE Site Class <span style="color: red;">C</span>		Vertical Seismic Design? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Vertical Ground Motion Accelerator A <sub>v</sub> : <span style="color: red;">0.32 (g)</span>	
Basis of Lateral Acceleration (Select one): <input type="checkbox"/> Mapped Seismic Parameters? S <sub>s</sub> <span style="color: red;">0.375</span> S <sub>1</sub> <span style="color: red;">0.175</span> S <sub>0</sub> _____ ; <input type="checkbox"/> Site-Specific Procedures: MCE					
Design Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> ; <input type="checkbox"/> Other (Non-ASCE) Methods: _____					
<input type="checkbox"/> Freeboard Required for SUG I Design Roof Tie Rods @ Outer Ring? Yes <input type="checkbox"/> No <input type="checkbox"/>					
9. Wind Velocity for non-U.S. sites, 50-yr. wind speed (3-sec. Gust)* <span style="color: red;">160 km/h</span>					
Top Wind Girder Style* <span style="color: red;">Detail "e" Fig 5.24</span>		Dimensions* <span style="color: red;">Min 1,000 x 7 mm</span>		Use Top Wind Girder as Walkway? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Intermediate Wind Girders? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Intermediate Wind Girder Style* _____		Dimensions* _____	
Check Buckling in Corroded Cond.? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
10. Shell Design: 1-Ft Mthd?* Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> ; Variable-Des-Pt Mthd?* Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Alternate <input type="checkbox"/> ; Elastic Anal. Mthd?* Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Alternate <input type="checkbox"/>					
Plate Stacking Criteria* Centerline-Stacked? Yes <input type="checkbox"/> No <input type="checkbox"/>		Flush-Stacked? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Inside <input checked="" type="checkbox"/> Outside <input type="checkbox"/>	
Plate Widths (Shell course heights) and Thicknesses * Numbers below Indicate Course Numt					
1. <span style="color: red;">2400 x 23 mm</span>	2. <span style="color: red;">2400 x 19.8 mm</span>	3. <span style="color: red;">2400 x 17.3 mm</span>	4. <span style="color: red;">2400 x 14.7 mm</span>	5. <span style="color: red;">2400 x 12.3 mm</span>	
6. <span style="color: red;">2400 x 12 mm</span>	7. <span style="color: red;">2400 x 12 mm</span>	8. <span style="color: red;">2400 x 11 mm</span>	9. <span style="color: red;">2000 x 11 mm</span>	10. <span style="color: red;">1800 x 11 mm</span>	
11. _____	12. _____	13. _____	14. _____	15. _____	
Joint Efficiency* _____		% Shell-to-Bottom Weld Type* _____		Shell-to-Bottom Weld Insp. Mthd* <span style="color: red;">Diesel oil and chalk</span>	
Approvals:		Revisions:		Title: Storage Tanks-Diesel-Preliminary Data Sheet	
				By: _____ Ck'd: _____ Date: Rev 0	
				Drawing No.: OMJ-DAT-SRT-ST-0022 Sheet 2 of 10	





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API	<b>API Std 650 Storage Tank</b> <b>Data Sheet</b>	PAGE 3 OF 10

\* If box is blank, Manufacturer shall determine and submit as per Appendix L.





11. Open-Top and Fixed Roofs: (See Sheet 6 for Floating Roofs) Open Top?* Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Fixed Roof Type* _____	Roof Support Columns*: Pipe <input checked="" type="checkbox"/> Or Structural Shape <input type="checkbox"/> _____
Cone Slope* _____	Dome or Umbrella Radius* _____ Weld Joints* _____ (Lap, Butt, Other)
Seal Weld Underside of: Lap Joints? Yes <input type="checkbox"/> No <input type="checkbox"/> ;	Seal Weld Underside of Wind Girder Joints? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Gas-tight? Yes <input type="checkbox"/> No <input type="checkbox"/>	Joint Efficiency* _____ %
Thickness* _____	In. Snow Load* _____ App. Suppl. Load Spec.* _____ Column Lateral Load _____
Normal Venting Devices* <b>YES</b>	Emergency Venting Devices* _____
For Non-Frangible Roofs: Seal Weld Roof Plates to Top Angle on the Inside? Yes <input type="checkbox"/> No <input type="checkbox"/> ;	Weld Rafters to Roof Plates? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Roof-to-Shell Detail* _____	Radial Projection of Horizontal Component of Top Angle* Inward <input type="checkbox"/> Outward <input type="checkbox"/>

12. Bottom: Thickness* <b>INNER 6; OUT 8</b> Style* <b>Cone up</b> Slope* <b>1:100</b> Weld Joint Type* _____	
Provide Drip Ring? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Alternate Spec. _____
Annular Ring? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Annular Ring: Minimum Radial Width* <b>1300 mm</b> Thickness* <b>11.5 mm</b>
13. Foundation: Furnished by* <b>Contractor</b> Type* <b>Concrete Ringwall</b>	
Soil Allow: Bearing Pressure _____ Per Spec.* _____	Anchors: Size* <b>N/A</b> Qty.* _____
Foundation Design Loads: Base Shear Force: Wind <b>54 Tn</b> Seismic* <b>3000 Tn</b>	Overturning Moment: Wind* <b>625 m Tn</b> Seismic* <b>23400 m Tn</b>
Ring Forces: Weight of Shell + Roof New _____ Corroded* _____	Roof Live Load* _____ Internal Pressure* _____
Partial Vacuum* _____ Wind* _____	Seismic* _____
Bottom Forces: Floor Wt. New _____ Corroded* _____	Product Wt.* _____ Water Wt.* _____ Internal Pressure* _____
Partial Vacuum _____	Other Foundation Loads* _____ Min. Projection of Fdn. Above Grade: _____
14. Responsibility for Heating Water, if Required: Purchaser <input type="checkbox"/> Manufacturer <input type="checkbox"/>	
Hydro-Test Fill Height <b>20,685</b>	Settlement Measurements Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Extended Duration of Hydro-Test: _____
<input type="checkbox"/> Predicted Settlement Profile is Attached	
Responsibility for Setting Water Quality: Purchaser <input checked="" type="checkbox"/> Manufacturer <input type="checkbox"/>	Supplemental Test Water Quality Spec. _____
Test Water Source & Disposal Tie-In Location <b>Contractor</b>	Hydro-Test Appendix J Tank? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Post-Pressure-Test Activities Required of the Manufacturer: Broom Clean <input type="checkbox"/> Potable Water Rinse <input type="checkbox"/>	Dry Interior <input checked="" type="checkbox"/>
Other <input checked="" type="checkbox"/> <b>INTERIOR COATING AS REQUIRED</b>	
15. Inspection by <b>Third Party; Requirements acc. to specification</b> in Shop; <b>Third Party acc. To Specification</b> in Field	
Supplemental NDE Responsibility _____	Supplemental NDE Spec. <b>OMJ-SPC-SRT-0001 Storage Tanks-Vertical Storage Tanks-Specification</b> (Purch., Mfg., Other)
Positive Material Identification? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	PMI Requirements: _____
Max. Plate Thickness for Shearing _____	
Must Welds not exceeding 6 mm (1/4 in.) Be Multi-Pass? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Must Welds greater than 6 mm (1/4 in.) Be Multi-F Title: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Leak Test Mthd: Roof _____ Shell* <b>By Hydro Test</b>	Shell Noz./Manhole Reinf. Plt <b>By Air Pressure At 15 P.S.I.G</b>
Bottom* <b>By Partial Vacuum At 3-5 P.S.I</b>	Floating Roof Components* <b>As Per API650 Cause No. C.4</b>
Modify or Waive API Dimensional Tolerances (see 7.5)? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Specify: <b>OMJ-SPC-SRT-0001 STORAGE TANKS-VERTICAL STORAGE TANKS SPEC</b>
Specify Additional Tolerances, if any, and Circumferential and Vertical Measurement Locations:	
- Allowable Plumbness: _____ Measure and Record at a Minimum of _____ Locations or Every _____ m (ft) around the Tank, at the Following Shell Heights: (select one box): <input type="checkbox"/> 1/3 H, 2/3 H and H <input type="checkbox"/> Top of Each Shell Course <input type="checkbox"/> Other: _____	
- Allowable Roundness:** _____ Measure Radius and Record at a Minimum of _____ Locations or Every _____ m (ft) around the Tank, at the Following Shell Heights (select one box): <input type="checkbox"/> Top of Tank, H <input type="checkbox"/> 1/3 H, 2/3 H and H <input type="checkbox"/> Top of Each Shell Course <input type="checkbox"/> Other: _____	
**See Data Sheet Instructions for the Maximum Allowable Additional Radial Tolerance.	

Approvals:	Revisions:	Sheet By: _____ Ck'd: _____ Date: Rev 0 Drawing No.: OMJ-DAT-SRT-ST-0023 Sheet 3 of 10
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<p>Employer</p>  <p>MINISTRY OF ENERGY &amp; MINERAL RESOURCES</p>	<p>EPCC Contractor:</p>  <p>OHL Industrial</p>  <p>MID CONTRACTING</p> <p>OHLI - MID Joint Venture for ASTPP Project - Amman, Jordan</p>	<p>Consultant:</p>  <p>ILF</p> <p>CONSULTING ENGINEERS</p>
<p>API</p>	<p>API Std 650 Storage Tank</p> <p>Data Sheet</p>	<p>PAGE 4 OF 10</p>



Employer   MINISTRY OF ENERGY & MINERAL RESOURCES	EPCC Contractor:  <div style="display: flex; justify-content: space-around; align-items: center;">  <div style="text-align: center;"> <b>OHL Industrial</b>  <small>OHLI - MID Joint Venture for ASTPP Project - Amman, Jordan</small> </div>  </div>	Consultant:  
API	<b>API Std 650 Storage Tank Data Sheet</b>	PAGE 7 OF 10

\* If box is blank, Manufacturer shall determine and submit as per Appendix L.

#### OTHER TANK APPURTENANCES

24. Platform, Stairway, and Railing: Galvanizing Req'd?\* Yes ☒ No ☐ Stairway Style\* **Helical** Walk Surf. Type\* \_\_\_\_\_  
 (Straight or Helical)  
 Stair and Walkway Clear Width\* **Min. 1000 mm** National Safety Standards\* \_\_\_\_\_  
 Architectural/Structural Specification\* \_\_\_\_\_  
 Gauger's Platform Req'd? Yes ☒ No ☐ Qty. Req'd\* **ONE** Per Spec.\* \_\_\_\_\_

25. Jacket Required?\* Yes ☐ No ☒ Other Heaters/Coolers Required?\* Yes ☐ No ☒  
 Supplemental Jacket, Heater, or Cooler Specifications\* \_\_\_\_\_

26. Mixer/Agitator: Quantity **3** Size\* **24"** Per Spec.\* \_\_\_\_\_

27. Insulation: Required? Yes ☐ No ☒ Thickness\* \_\_\_\_\_ Material\* \_\_\_\_\_  
 Per Specs\* \_\_\_\_\_ Responsibility for Insulation and Installation \_\_\_\_\_  
 (Purchaser, Manufacturer, Others)

28. Structural Attachments: Lift Lugs?\* Yes ☐ No ☐ Desc.\* \_\_\_\_\_  
 Shell Anchorage?\* Yes ☐ No ☒ Type\* \_\_\_\_\_ Scaffold Cable Support? Yes ☐ No ☐

29. Various Other Items: Welded Flush-Type: Shell Connection ☐ Cleanout Fitting ☒ Waive Application of Appendix P? Yes ☐ No ☒  
 Miscellany #1 \_\_\_\_\_ Miscellany #2 \_\_\_\_\_  
 Miscellany #3 \_\_\_\_\_ Miscellany #4 \_\_\_\_\_  
 Miscellany #5 \_\_\_\_\_ Miscellany #6 \_\_\_\_\_

**Table 4 OTHER TANK APPURTENANCES\***

Mark	Quantity	Service or Description	Size	Orientation	Height from Datum	Material	Remarks





Approvals:

Revisions:

Title: Storage Tanks-Diesel-Preliminary Data Sheet

By: \_\_\_\_\_ Ck'd: \_\_\_\_\_ Date: Rev 0

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\* If box is blank, Manufacturer shall determine and submit as per Appendix L.

#### FLOATING ROOF DATA

##### 30. Floating Roof Selection

Design Basis: Appendix C ☒ Or Appendix H ☐

Type of Roof: (External or Internal): Single Deck Pontoon\* ☐ Double Deck\* ☒

(Internal Only): Tubular Pontoon\* ☐ Metallic Sandwich Panel\* ☐

Other ☐ \_\_\_\_\_ Supplemental Spec.: \_\_\_\_\_

##### 31. Seals

Primary Seal: Shoe ☒ Envelope ☐ Wiper/Compression Plate ☐ Other ☐ \_\_\_\_\_ Supplemental Spec.: **SHOE MAT SS 316**

Shoe Mechanism: Mfg. Std. ☐ Other ☒ **Scissor type**

Electrically Isolate Mechanism from Shoes? Yes ☐ No ☐ Wax Scrapers Required? Yes ☐ No ☒

Minimum Shoe Thickness\* **1,2 mm** Carbon Steel Shoes to be Galvanized? Yes ☐ No ☐

Secondary Seal: Shoe ☐ Envelope ☐ Wiper ☒ None ☐ Other ☐ \_\_\_\_\_ Supplemental Spec.: \_\_\_\_\_

##### 32. Data for All Floating Roofs:

Overflow Openings in Shell Acceptable? Yes ☐ No ☒ Shell Extension? Yes ☐ No ☐

Roof-Drain Check Valves Required? Yes ☒ No ☐ Roof-Drain Isolation Valves Required? Yes ☒ No ☐

Freeze Protection for Roof Drains Required? No ☒ Yes ☐ Supplemental Requirements: \_\_\_\_\_

Roof-Drain Piping to External Nozzles: Mfg. Std. ☐ Armored Flexible Pipe ☐ Swivels in Rigid Pipe ☒ Other ☐ \_\_\_\_\_

Foam Dam? Yes ☒ No ☐ Supplemental Spec.: \_\_\_\_\_

Minimum Deck Thickness\* **6 mm**

Bulkhead Top Edges to be Liquid-Tight? Yes ☐ No ☐ Seal-Weld Underside of Roof? Yes ☐ No ☒

Electrical Bonding: Shunts: Yes ☒ No ☐ Cables: Yes ☐ No ☐ Supplemental Spec.: \_\_\_\_\_

Qty. of Non-Guide-Pole Gauge Wells Required \_\_\_\_\_ Qty. of Sample Hatches Required **SEE NOZZLES LIST**

Guide Pole for Gauging? Yes ☒ No ☐ Slots in Guide Pole? Yes ☒ No ☐ Datum Plates? Yes ☐ No ☐ Striking Plates? Yes ☐ No ☐

Guide Pole Emissions-Limiting Devices: Sliding Cover ☐ Pole Wiper ☐ Pole Sleeve ☒ Float ☐ Float Wiper ☐ Pole Cap ☐

Qty. of Roof Manholes\* **SEE NOZZLES LIST** Minimum High-Roof Clearance Above Bottom: **Mfg**

Removable Leg Storage Racks? Yes ☐ No ☐ ; Leg Sleeves ☒ or Fixed Low Legs ☐

##### 33. Additional Data for External Floating Roofs:

Weather Shield? Yes ☐ No ☐ Supplemental Spec.: \_\_\_\_\_

Rolling Ladder Required? Yes ☒ No ☐ Field Adjustable Legs? Yes ☒ No ☐

Design Rainfall Intensity **50mm/h** in./hr. (mm/hr) Based on a \_\_\_\_\_ Minute Duration Associated with the \_\_\_\_\_ Storm





Design Accumulated 24-Hour Rainfall \_\_\_\_\_ in. Based on the \_\_\_\_\_ Storm

Distortion and Stability Determinations Required? Yes ☐ No ☐ Supplemental Specification \_\_\_\_\_

Landed Live Load\* \_\_\_\_\_

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**34. Additional Data for Internal Floating Roofs: N/A**

Two-Position Legs? Yes ☐ No ☐      Cable-Supported Roof? Yes ☐ No ☐      Fixed-Roof Inspection Hatches Required? Yes ☐ No ☐

Internal Roof Drain Required? Yes ☐ No ☐      Omit Distribution Pads Supporting Uniform Live Loads? Yes ☐ No ☐

Corrosion Gauge Required? Yes ☐ No ☐      Fixed Ladder Required? Yes ☐ No ☐ ;      Type of Roof Vent:\* \_\_\_\_\_

Modified Minimum Point Load? Yes ☐ No ☐      Supplemental Specification \_\_\_\_\_

Mfr. To Leak Test\* \_\_\_\_\_ % of Compartments      ☐ in Assembly Yard      ☐ in Erected Position      ☐ Unknown; see separate contract terms

Roof Erector's Flotation Test:      w/ Tank Hydro ☐      at Completion of Roof ☐      at a Later Date ☐      \_\_\_\_\_ Not Required ☐

Flotation Test Media:      Water ☐      Product ☐ (see H.6.6.1)      Water Quality: Potable ☐ Other ☐      See Supplemental Spec. \_\_\_\_\_

Flotation Test:      Duration \_\_\_\_\_      Fill Height: \_\_\_\_\_

Flotation Test Items Provided by Purchaser (see H.6.7):      None ☐      List Attached ☐

Responsible Party for Inspecting Roof During Initial Fill:      Purchaser ☐      Other ☐ \_\_\_\_\_

**Table 5 FLOATING ROOF MATERIALS**

Component	Material*/Thickness*	C.A./Coating*	Component	Material*/Thickness*	C.A./Coating*
Deck Plate	A 283 Gr C / 6 MIN		Datum Plate		
Inner Rim Plate			Tubular Pontoon	N/A	
Outer Rim Plate	A 283 Gr C / 6 MIN		Pontoon Bulkhead		
Foam Dam	A 283 Gr C		Submerged Pipe		
Sandwich Panel Face Plate			Guide Pole / Anti-rotation device	Carbon Steel	
Sandwich Panel Core			Secondary Seal		
Gauge Well			Secondary Seal Fabric		
Drain Sumps	A 283 Gr C		Wiper Tip		
Opening Sleeves			Wax Scraper	N/A	
Floating Suction Lines	N/A		Weather Seal		
Primary Fabric Seal			Envelope Fabric		
Foam Log Core			Shoe Mechanisms		
Landing Legs	Carbon Steel		Primary Seal Shoe	SS 316	
Landing Leg Bottom Pads	A 283 Gr C		Removable Covers		
Manhole Necks	A 283 Gr C		Rolling Ladder	Carbon Steel	
Vents	A 283 Gr C		Inlet Diffusers		

Approvals:

Revisions:

Title: Storage Tanks-Diesel-Preliminary Data Sheet





By: \_\_\_\_\_ Ck'd: \_\_\_\_\_ Date: Rev 0

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Employer  MINISTRY OF ENERGY & MINERAL RESOURCES	EPCC Contractor:  <b>OHL Industrial</b> OHLI - MID Joint Venture for ASTPP Project - Amman, Jordan  MID CONTRACTING	Consultant:  <b>ALF</b> CONSULTING ENGINEERS
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Tank Plan and Sketches: OMJ-DWG-SRT-ST-0001 Storage Tank -Diesel Tank SRT-T-25-011-Preliminary General Arrangement OMJ-DWG-SRT-ST-0002 Storage Tank -Diesel Tank SRT-T-25-012-Preliminary General Arrangement OMJ-DWG-SRT-ST-0003 Storage Tank -Diesel Tank SRT-T-25-013-Preliminary General Arrangement OMJ-DWG-SRT-ST-0004 Storage Tank -Diesel Tank SRT-T-25-014-Preliminary General Arrangement OMJ-DWG-SRT-ST-0005 Storage Tank -Diesel Tank SRT-T-25-015-Preliminary General Arrangement OMJ-DWG-SRT-ST-0006 Storage Tank -Diesel Tank SRT-T-25-014-Preliminary General		
Notes:		
Approvals:	Revisions:	Title: Storage Tanks-Diesel-Preliminary Data Sheet By: _____ Ck'd: _____ Date: Rev 0 Drawing No.: OMJ-DAT-SRT-ST-0022 Sheet 10 of 10

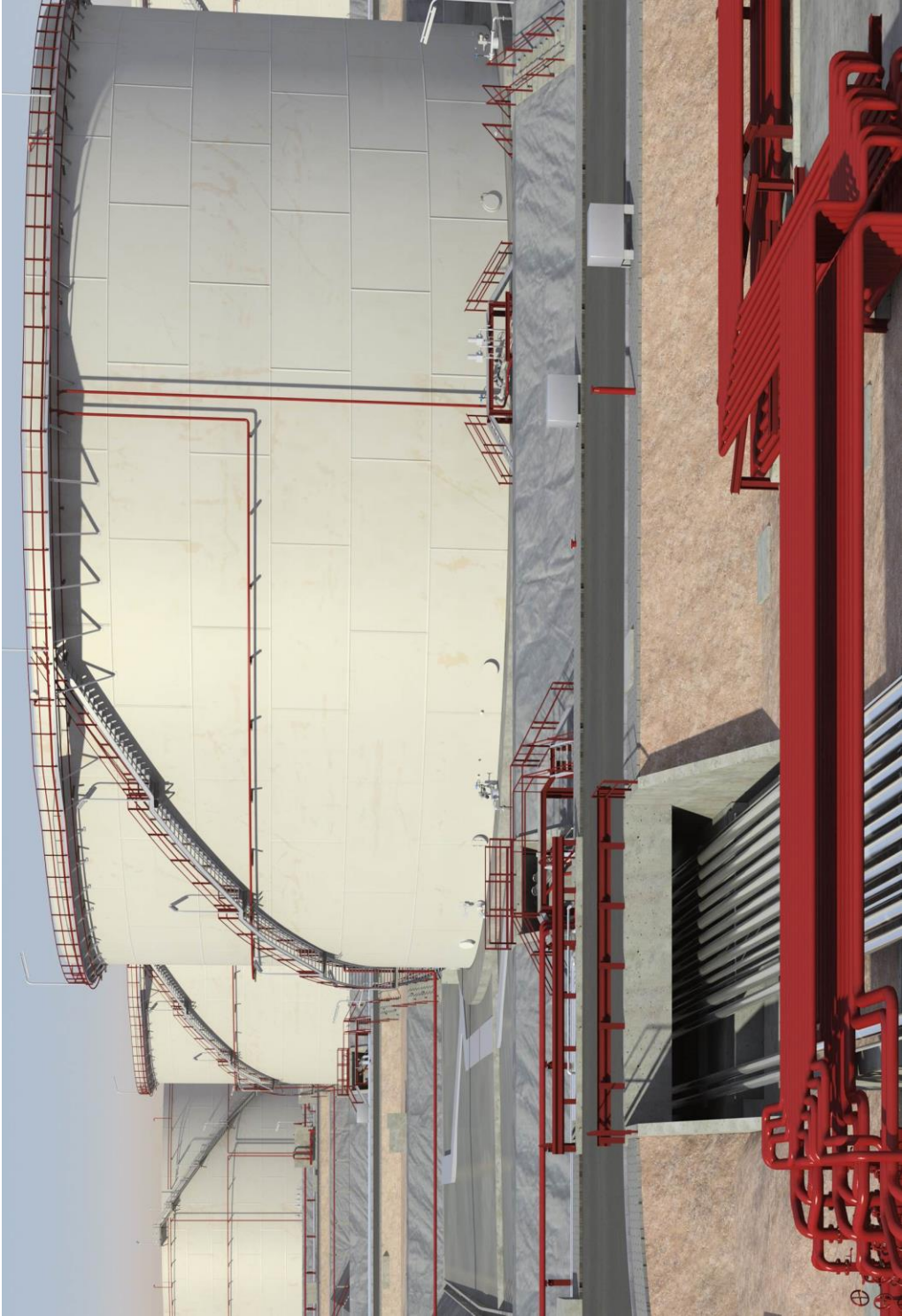
Employer  MINISTRY OF ENERGY & MINERAL RESOURCES	EPCC Contractor:   OHL Industrial MID CONTRACTING OHLI - MID Joint Venture for ASTPP Project - Amman, Jordan	Consultant:  ALF CONSULTING ENGINEERS
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Employer  MINISTRY OF ENERGY & MINERAL RESOURCES	EPCC Contractor:   OHL Industrial MID CONTRACTING OHLI - MID Joint Venture for ASTPP Project - Amman, Jordan	Consultant:  ALF CONSULTING ENGINEERS
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Employer <div>    MINISTRY OF ENERGY &amp; MINERAL RESOURCES </div>	EPCC Contractor: <div>     OHL Industrial   OHLI - MID Joint Venture for ASTPP Project - Amman, Jordan </div>	Consultant: <div>    CONSULTING ENGINEERS </div>
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