
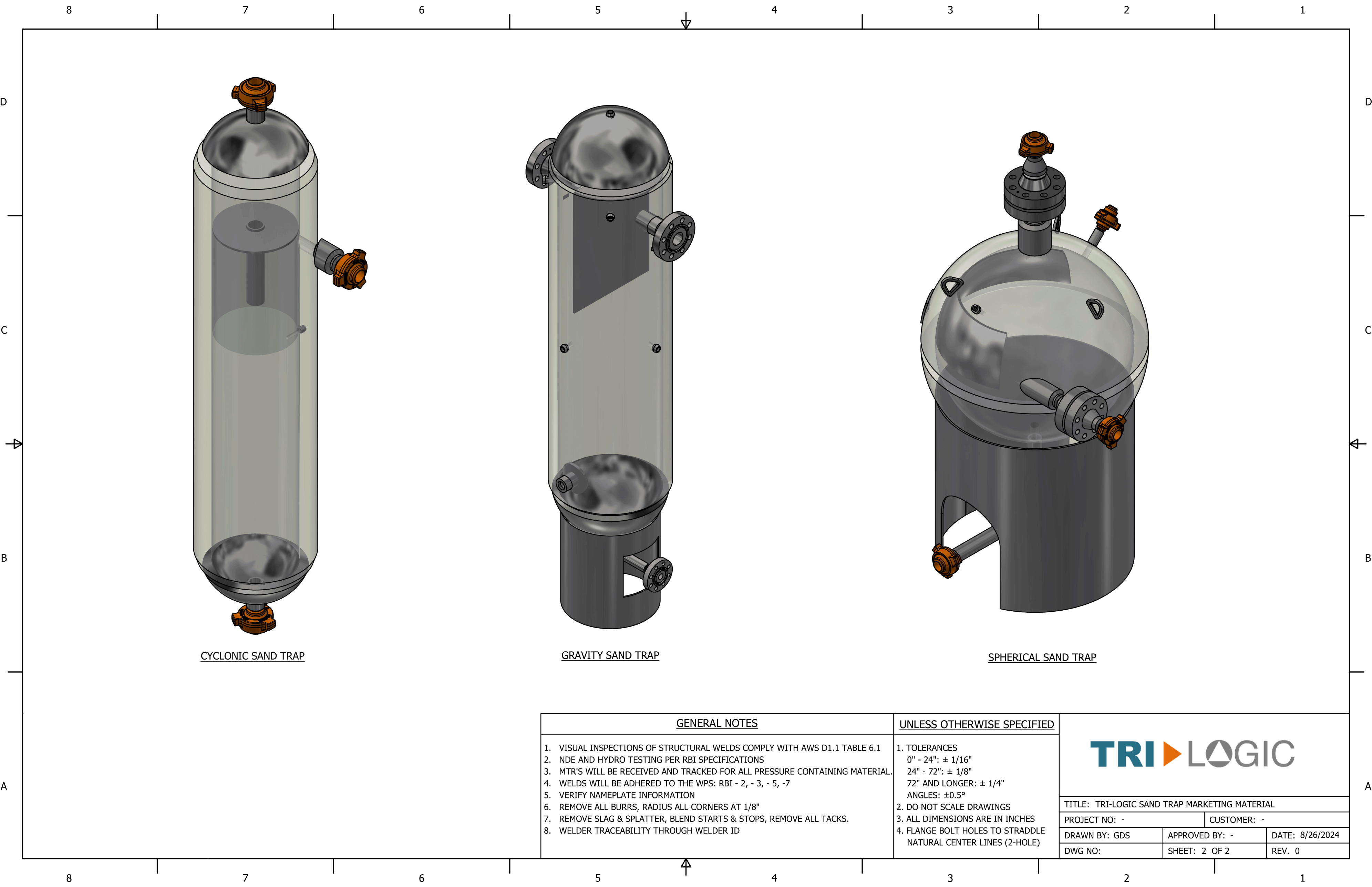


CYCLONIC SAND TRAP
INLET IS OFF-CENTER TO ALLOW FLOW TO ENTER THE VESSEL ALONG THE INTERIOR WALL TO CREATE A VORTEX THAT WILL HELP ALLOW SAND TO FALL OUT OF THE GAS STREAM. SAND FALLS TO BOTTOM OF THE VESSEL, AS GAS FLOWS BACK UP THROUGH THE CENTER OF THE CYCLONIC BAFFLE. THE CYCLONIC BAFFLE ACTS AS AN INLET EROSION TOOL AS IT PROTECTS THE MAIN VESSEL WALL FROM THE INLET STREAM.

GRAVITY SAND TRAP
THE FLOW ENTERS THE INLET AND HITS AN INLET DEFLECTION PLATE. THIS PLATE HAS AN ADDITIONAL BUFFER PLATE ATTACHED TO ACT AS AN EROSION TOOL TO PROTECT THE MAIN INLET PLATE. THE FLOW HITS THIS BUFFER PLATE AND THE SAND FALLS TO THE BOTTOM OF THE VESSEL AS THE GAS FLOW GOES AROUND THE BAFFLE.

SPHERICAL SAND TRAP
INLET IS OFF-CENTER TO ALLOW FLOW TO ENTER THE VESSEL ALONG THE INTERIOR WALL TO CREATE A VORTEX THAT WILL HELP ALLOW SAND TO FALL OUT OF THE GAS STREAM. A WEAR PAD IS WELDED TO THE INTERIOR OF THE VESSEL TO PROTECT THE MAIN HEAD FROM EROSION. SAND FALLS TO BOTTOM OF THE VESSEL, AS GAS FLOWS BACK UP THROUGH THE CENTER.

GENERAL NOTES		UNLESS OTHERWISE SPECIFIED		<div>TRI  LOGIC</div>		
1. VISUAL INSPECTIONS OF STRUCTURAL WELDS COMPLY WITH AWS D1.1 TABLE 6.1 2. NDE AND HYDRO TESTING PER RBI SPECIFICATIONS 3. MTR'S WILL BE RECEIVED AND TRACKED FOR ALL PRESSURE CONTAINING MATERIAL. 4. WELDS WILL BE ADHERED TO THE WPS: RBI - 2, - 3, - 5, - 7 5. VERIFY NAMEPLATE INFORMATION 6. REMOVE ALL BURRS, RADIUS ALL CORNERS AT 1/8" 7. REMOVE SLAG & SPLATTER, BLEND STARTS & STOPS, REMOVE ALL TACKS. 8. WELDER TRACEABILITY THROUGH WELDER ID		1. TOLERANCES 0" - 24": ± 1/16" 24" - 72": ± 1/8" 72" AND LONGER: ± 1/4" ANGLES: ±0.5° 2. DO NOT SCALE DRAWINGS 3. ALL DIMENSIONS ARE IN INCHES 4. FLANGE BOLT HOLES TO STRADDLE NATURAL CENTER LINES (2-HOLE)				
				TITLE: TRI-LOGIC SAND TRAP MARKETING MATERIAL		
				PROJECT NO: -		CUSTOMER: -
				DRAWN BY: GDS		APPROVED BY: -
				DWG NO:		DATE: 8/26/2024
				SHEET: 1 OF 2		REV. 0



CYCLONIC SAND TRAP

GRAVITY SAND TRAP

SPHERICAL SAND TRAP

GENERAL NOTES		UNLESS OTHERWISE SPECIFIED		<div>TRILOGIC</div>		
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PROJECT NO: -			CUSTOMER: -			
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