



EVATION VIEW See Plan View for Orientation

DESIGN PARAMETERS DESIGN PRESSURE- DIRECTLY VENTED DESIGN VACUUM - DIRECTLY VENTED DESIGN TEMPERATURE - 120°F MAX SPECIFIC GRAVITY - 1.25 SEISMIC LOADING per ASCE 7-10 WIND LOADING - 115 MPH

MK.	DIA.	QTY	FLANGE THICKNESS	DRILLING	NOZZLE PROJ.	REINFORCEMENT OD/THK	SERVICE
A2	4" w/ Drap Pipe	1	1/2"	150#	5"	-	INLET
B1	8"	4		-	-	-	VENT W/SCREENED GOOSENECK
C1	24"	1	1/2"	150#	6"	_	HINGED TOP MANWAY
D1	6"	1	9/16"	150#	6"	-	
EI	4"	1	1/2"	150#	6"	-	
F1	4"	2	1/2"	150#	5"	10.0" OD/0.50"	SYPHON PUMP SUCTION
G1	30"	1	1~1/4"	150#	6"	60.0" OD/0.68"	HINGED SIDE MANWAY
HI	6"	1	9/16"	150#	6"	12.0" OD/0.75"	SYPHON DRAIN
JI	8"	1	5/8"	150#	6"	-	OVERFLOW
K1	4"	1	1/2"	150	6"	10" OD/0.48"	SPARE W/BLIND FLANGE
1	TYPE II-D	10				0.93"	FRP HOLD DOWN LUGS
2	TRUNION STYLE	2	-		T -	0.58"	LIFTING LUGS
3	-	1	-		-	-	FRP HAND RAIL
4	-	1	-		-	_	CAGED LADDER
5	l -	4	T - T	-	-	0.27"	STIFFENERS

NOTES:

- 1. CURE SYSTEM: BPO/DMA FOR CORROSION LINER, CONAP/MEKP FOR STRUCTURAL LAMINATE.
- 2. EXTERIOR: SHERWIN WILLIAMS LIGHT GREY ACROLON 218 EPOXY PAINT.
- 3. SHOP TESTING: FINAL CURE USING DRY HEAT FOR 9 HOURS @ 180°F. 4. FIELD TESTING: FILL WITH WATER TO OVERFLOW AND HOLD FOR 24 HOURS, DRAIN, CLEAN AND INSPECT.
- 5. TANK TOP TO HAVE A 360° FRP HANDRAIL PERIMETER SAFETY RAILING WITH A CAGED FRP SIDEWALL ACCESS LADDER MOUNTED TO TANK.
- 6. TANK TOP SHALL HAVE A HEAVY CORROSION RESISTANT NON-SKID SURFACE APPLIED TO ALL WALK AREAS.
- 7. FASTENERS: TEFLON COATED 316SS FOR ALL MATING FLANGES SUPPLIED WITH FABRICATION.
- 8. VESSELS MUST BE DIRECTLY VENTED TO ATMOSPHERE USING A HARD LAMINATED (NOT FLANGED) GOOSENECK OR MUSHROOM VENT. AT NO TIME MAY THE VENT BE CONNECTED TO A FUME COLLECTION SYSTEM. VESSELS MUST BE EQUIPPED WITH A DVERFLOW WHICH MUST NOT BE DISCHARGED UNDER LIQUID OR CONNECTED TO A PIPING SYSTEM WHICH MIGHT BE CLOGGED WITH ICE, SLUDGE, ANIMAL NEST, ETC. VENT AND DVERFLOW OPEN AREAS EACH MUST EXCEED COMBINED AREAS OF ALL NOZZLES (IN WORST CASE UPSET CONDITION). IF ADDITIONAL NOZZLES ARE ADDED, OVERFLOW AND VENT TIES SHOULD BE REVIEWED END USERS PERSONAL MUST BE INSTRUCTED NOT TO CLOSE, BYPASS, RESTRICT OR ALTER VENTING AND OVERFLOW SYSTEMS.
 FAILURE TO FOLLOW THIS RECOMMENDATION COULD RESULT IN TANK LEAKAGE, SPILLS OR CATASTROPHIC FAILURE.
- 9. VESSEL IS NOT DESIGNED FOR EXTERNAL FLOODING OF CONTAINMENT AREA.

 10. THE MINIMUM CORROSION BARRIER THICKNESS IS 0.25 INCH. THE FABRICATOR MAY ELECT TO USE A THICKER CORROSION BARRIER IN SOME OR ALL OF THE

LAMINATE SEQUENCES:

CONTACT MOLDED:

1.03" - V,N,5C,2[3(CR)C],2(CR)CC -- Lower Cyl Shell

0.68' - V,N,5C,3CCR)C,CRCC -- Upper Cyl Shell 0.99' - V,N,5C,2C3CCR)C,J,CCR)C -- FLAT BOTTOM 0.99' - V,N,5C,2C3(CR)C),2(CR)C -- FLAT TOP 1.77' - V,N,5C,5[3(CR)C],CRCC -- BTM KNUCKLE

JOINTS:

0.78' - 2[3(MR)],2(MR)MM -- BTM KNUCKLE TO SHELL

0.43' - 3(MR)M,MRMM -- SHELL 1 TO SHELL 2 0.39' - 3(MR)M,MRM -- SHELL TO FLAT TOP

JOINTS ARE NOT REQUIRED FOR COMPONENTS WHICH ARE WOUND TOGETHER.

LEGEND:

V - C-GLASS VEIL, N - NEXUS VEIL, CV - CARBON VEIL

C - 0.043 CHOP LAYER OR MAT

M - 1-1/2 oz/sq ft MAT

R - 24 oz/sq yd WOVEN ROVING

DERAKANE 411-350







