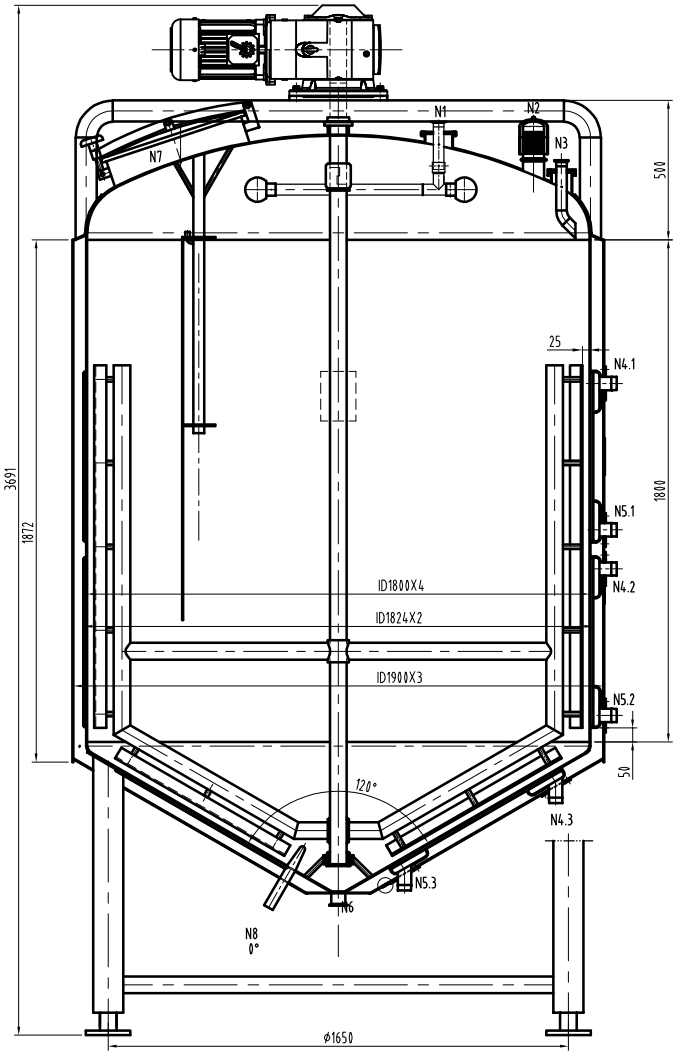
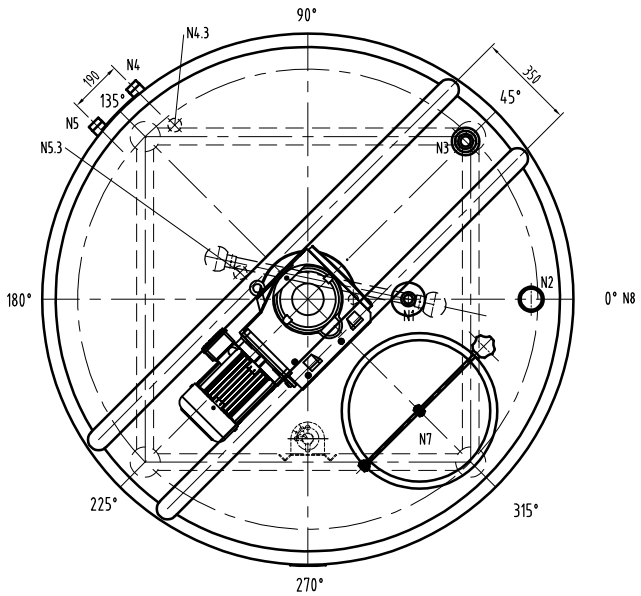
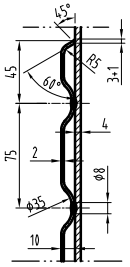




DIMPLE JACKET WELDING JOINT

NOT TO SCALE



DESIGN DATA SHEET

CODE	ASME BPVC SECTION VIII DIUISION I 2023 EDITION.

	SHELL	JACKET	ASME STAMP	YES.WITH U DESIGNATOR FOR JACKET ONLY
FLUID		STEAM	WELDING ROD TYPE	AS PER WPS
FLUID PERFORMANCE	Non lethal	Non lethal	WELDING REGULATION	NOTE 2
WORKING TEMPERATURE °F	≤300	≤300	WELD STRUCTURE	COMPRESSION STRUCTURE ADOPTS FULL PENETRATION
WORKING PRESSURE Psi	0	85	THICKNESS OF FILLET WELD EXCEPT NOTED	AS PER THE THICKNESS OF THINNER PLATE
DESIGN TEMPERATURE °F	300	300	PRESSURE TEST TEMPERATURE °F	41-115
MDMT °F	-4	-4°F AT 75Psi	N.D.E. WELDING JOINT CATEGORY	METHOD-EXRATE / ACC. STD.
DESIGN PRESSURE Psi	0	75Psi AT 300°F	A,B	SPOT RT UW-11(b) / UW-52
MAWP Psi	0	75Psi AT 300°F	C,D	/ /
CORROSION ALLOWANCE in	0		TOTAL CAPACITY Gal	
JOINT EFFICIENCY Shell/ head	0.85/0.85		IMPACT TEST	Exenped per UHA-51
HYDRO. TEST PRESSURE Psi	99		HEAT TREATMENT	Exenped per UHA-32, UHA-44
GAS LEAKAGE TEST PRESSURE Psi	NA		MASS: NET MASS FOR EQUIP.	
NOZZLE ORIENTATION	AS PER THIS DRAWNING		MASS: OPERATING MASS	/
MATERIAL FOR MAIN PRESSURE PARTS	SA-240 304 SA-240 316L SA-312 TP304		MASS: FULL WATER MASS	/
FULL COEFFICIENT	/		INSULATION THICKNESS in	/

NOZZLE SCHEDULE

MARK	NOMINAL SIZE	QTY.	CONNECTING SIZE AND STANDARD	FACE	SERVICE	REMARKS
N1	1.5"/4"	1	3A	TC	CIP	
N2	3"	1	3A	TC	VENT	
N3	1.5"/3"	1	3A	TC	INLET	
N4	DN40	3	ASME B1.20.1-2013	1.5"NPT	STEAM INLET	Φ48.3X5.08
N5	DN40	3	ASME B1.20.1-2013	1.5"NPT	STEAM OUTLET	Φ48.3X5.08
N6	3"	1	/	/	OUTLET	
N7	20"	1	YAB	/	MANWAY	
N8	OD35	1	ASME B1.2-1983(R2001)	1-1/4"NUE	THERMOWELL	

Technical Requirement

1.Having a carbon content not exceeding 0.10% and produced with filler metals conforming to sfa-5.9.

2.Unless otherwise specified,all the groove welding joints for pressure parts are of full penetration type, continuous, and shall be welded as per the wps designated by jic; Finished longitudinal and circumferential joints conform to UW-35.

3.Unless otherwise specified, does not indicate the size tolerance and see the program file Q/HD-PD-03-2011.

4.Interior finish : Ra0.8,Exterior finish: Ra0.8,

5.The user shall be in charge for installing safety devices in outer pipe system connected to this tank, and to ensure the pressure in the tank not exceeding its MAWP pressure;

6.This equipment's packing and transportation shall conform to the regulation of [Pressure Vessel Coating and Transportation Packing] ,JB4711-2003.

REV.NO.	DESCRIPTION	PREPARED BY	CHECKED BY	APPROVED BY	DATE
3					
2					
1					

SHAANXI HONGDA INDUSTRY CO., LTD

PREPARED BY		1200USG Agitator tank	DRAWING NO. Intention-1200-01-HA
CHECKED BY			PROJECT NUMBER 24-1018-01-HA
APPROVED BY		SCALE 1:9 WEIGHT	GENERAL DRAWING
			REV 1 TOTAL: 1 PAGE : 1