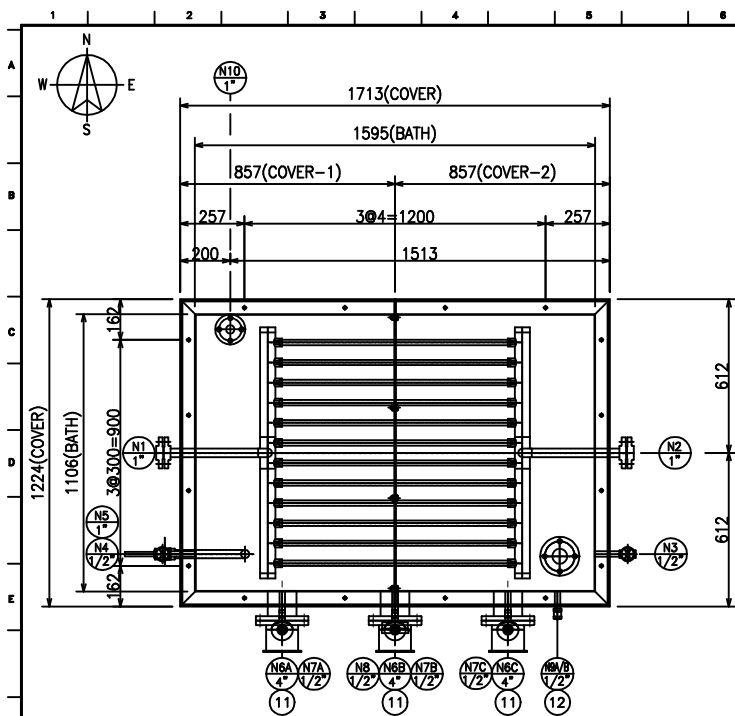
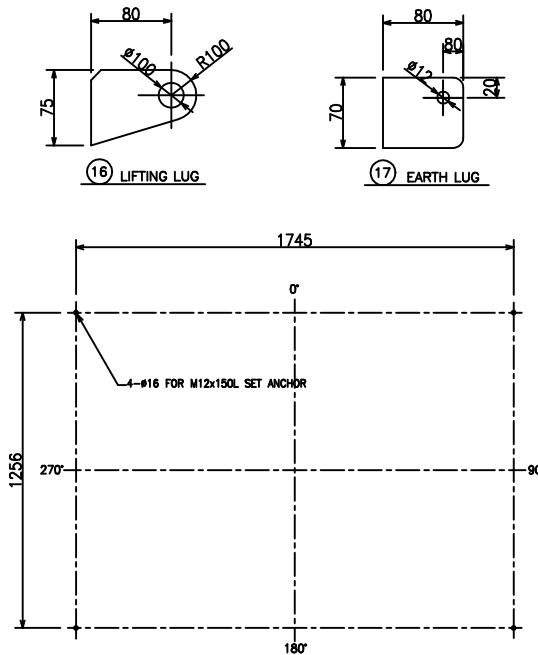
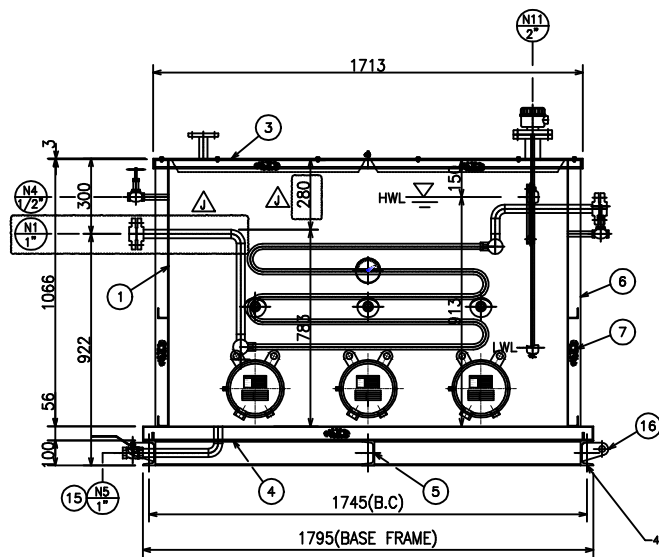




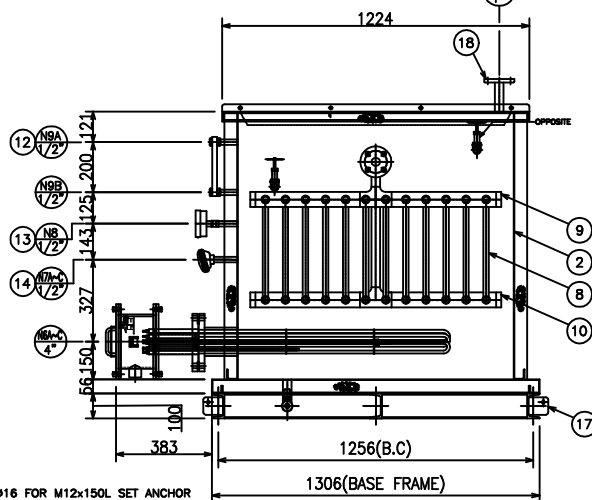
TOP VIEW



ANCHOR PLAN



FRONT VIEW



SIDE VIEW

DESIGN DATA

APPLIED CODE	KGS FP217		
MODEL	SHV-E-45.7-1.2		
NOMINAL CAPACITY	Kg/hr	45.7	
FLUID	TANK		TUBE
	EG50%+C/W		GH2
PRESSURE	DESIGN	MPa G	FULL OF WATER 1.2
	OPERATING	MPa G	ATM 0.3~0.7
TEMPERATURE	DESIGN	°C	75 -253~40
	OPERATING	°C	40 -247~0
TEST PRESSURE	PNEUMATIC	MPa G	N/A 1.32
	LEAKAGE	MPa G	N/A 1.2
NONDESTRUCTIVE EXAMINATION	NDE(PT/RT)		
EMPTY WEIGHT	kg	756	
OPERATING WEIGHT	kg	2,556	

NOZZLE LIST

MARK	Q'TY	SIZE	SERVICE	NOZZLE	TYPE	REMARK
N1	1	1"	INLET(LH2)	SA312-TP316L-S 33.4x3.38	FLANGE	ANSI #300 SO RF
N2	1	1"	OUTLET(H2)	SA312-TP316L-S 33.4x3.38	FLANGE	ANSI #300 SO RF
N3	1	1/2"	WATER SUPPLY	SA312-TP316L-S 21.3x2.11	GLOBE V/V	S.W
N4	1	1/2"	WATER OVER FLOW	SA312-TP316L-S 21.3x2.11	GLOBE V/V	S.W
N5	1	1"	WATER DRAIN	SA312-TP316L-S 33.4x2.77	BALL VALVE	PT 1"
N6A/B/C	3	4"	HEATER CONNL	SA312-TP316L-S 114.3x3.0	FLANGE	ANSI #150 SO RF
N7A/B/C	3	1/2"	R.T.D	SA312-TP316L-S 21.3x2.11	SOCKET	PT 1/2"
N8	1	1/2"	WATER TEMP.	SA312-TP316L-S 21.3x2.11	SOCKET	PT 1/2"
N8A/B	1	1/2"	WATER LEVEL GAUGE	SA312-TP316L-S 21.3x2.11	NIPPLE	M16
N10	1	1"	VENT	SA312-TP316L-S 33.4x2.77	FLANGE	ANSI #150 SO RF
N11	1	2"	WATER LEVEL SWITCH	SA312-TP316L-S 60.3x2.77	FLANGE	ANSI #150 SO RF

18	FLANGE	1" #150 SORF	SA182-TP316L	1		
17	EARTH LUG	80x70x3.0	STS304	2		At 45,225"
16	LIFTING LUG	112.0	STS304	4		
15	BALL VALVE	1" 10K	STS304	1		
14	RTD	1/2" PT1000	PTFE	3		
13	W. TEMPERATURE	#100 0~100°C	STS304	1		
12	LEVEL GAUGE	200L M16	ACRYL	1		
11	ELECTRIC HEATER	3φ 380V/18.0KW	STS316L-S	3		Ex d IIBH2 TEL-TI G
10	INLET HEADER	2" SCH40S	SA312-TP316L	1		
9	OUTLET HEADER	2" SCH40S	SA312-TP316L	1		
8	COIL	1/2" SCH40S 5300mm	SA312-TP316L	12		
7	INSULATION	t50	MINERAL WOOL	1Set		
6	INSULATION COVER	t0.8	STS304 2B	6Pc		
5	BASE FRAME	L100x50x5.0	STS304	1		
4	BOTTOM	t3.0	STS304 1D	1		
3	TOP PLATE	t3.0	STS304 1D	1		
2	SIDE PLATE	t3.0	STS304 1D	2		
1	SIDE PLATE	t3.0	STS304 1D	2		

NOTE

2025.02.10	FOR APPROVAL	ALD	SHLEE	SHLEE
2025.02.22	FOR APPROVAL	ALD	SHLEE	SHLEE
2025.02.18	FOR APPROVAL	ALD	SHLEE	SHLEE
2025.02.10	FOR APPROVAL	ALD	SHLEE	SHLEE
2025.02.10	FOR APPROVAL	ALD	SHLEE	SHLEE
2025.02.09	FOR APPROVAL	ALD	SHLEE	SHLEE
2025.02.09	FOR APPROVAL	ALD	SHLEE	SHLEE
2025.02.04	FOR APPROVAL	ALD	SHLEE	SHLEE
2025.02.01	FOR APPROVAL	ALD	SHLEE	SHLEE
2025.07.28	FOR APPROVAL	ALD	SHLEE	SHLEE
2025.07.24	FOR APPROVAL	ALD	SHLEE	SHLEE

광신기계공업(주)

CONTRACTOR

VENOR

(주) 서흥테크
SEOHEUNG TECH CO.,LTD

PROJECT NAME

SHEET

DATE 2025.09.22 ITEM No. H2 HYBRID-0014

SCALE N/S TITLE LH2 ELECTRIC HEATED WATER BATH VAPORIZER GENERAL ASSEMBLY

PRODUCTION SHEET No. SHV-E-45.7-P1.2-D01

UNIT mm DESIGNER JK-JOO DESIGNER JK-JOO CHECKER SM-LEE APPROVER SP-LEE

FOR APPROVAL