



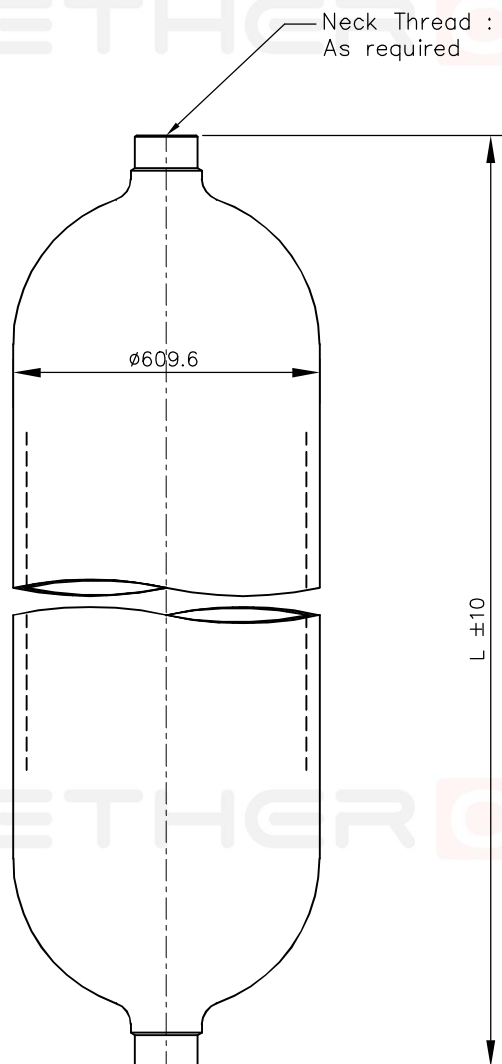
HYDROGEN GAS STORAGE VESSELS ASME 1300 x 1BT

CODE & STANDARD : ASME SEC.VIII, DIV.1 & APPENDIX 22 & KGS AC111

CUSTOMER : 광신기계공업

DATE : 24.04.08

Pressure Vessel



Code & Standard

ASME Sec. VIII, Div. 1 and Appendix 22 & KGSAC 111

Water Volume
Nominal, Liters(+5%, -0%)

1,300

Length (L)
mm (±10)

6,250

Weight
kg (approx.)

3,120

1. Technical Data

- Working Pressure : 248 bar / 24.8 MPa
- Design Pressure : 275.8 bar / 27.58 MPa
- Hyd. test pressure : 359 bar / 35.9 MPa

2. Material

: SA 372 Grade J / Class 70

3. Process

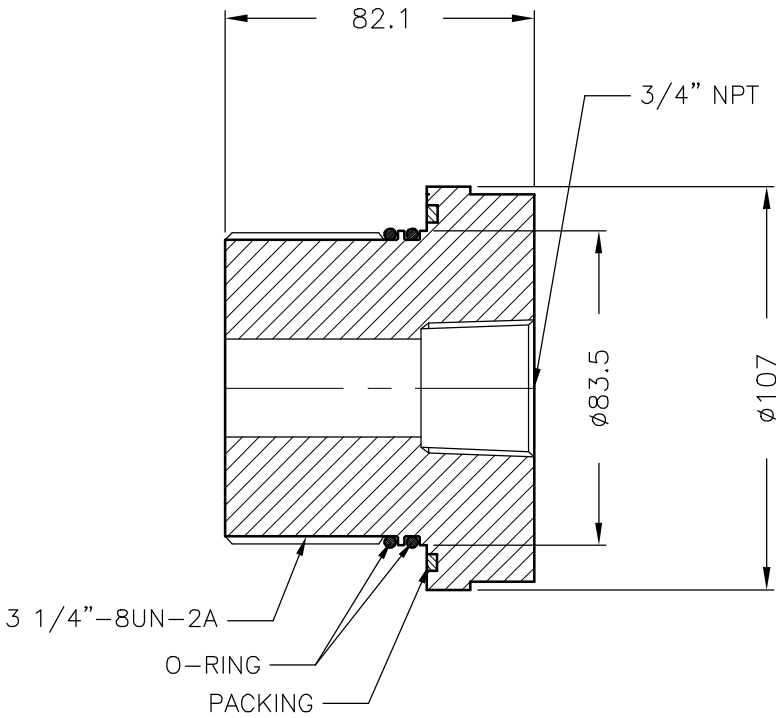
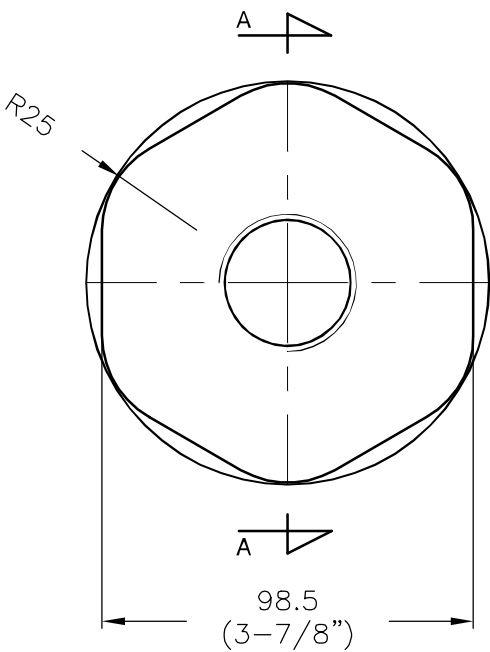
: Pipe

4. Notes

For Reference

NO	PART NAME	SPECIFICATION	MATERIAL	Q'TY	REMARK
1	END PLUG	INLET : 3/4" NPT OUTLET : 3 1/4" - 8UN-2A	SUS316L	1	-

SECTION "A" - "A"

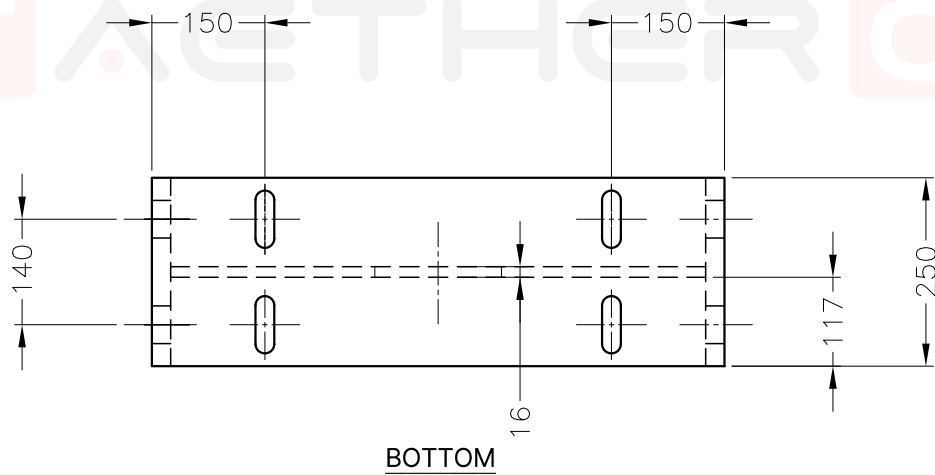
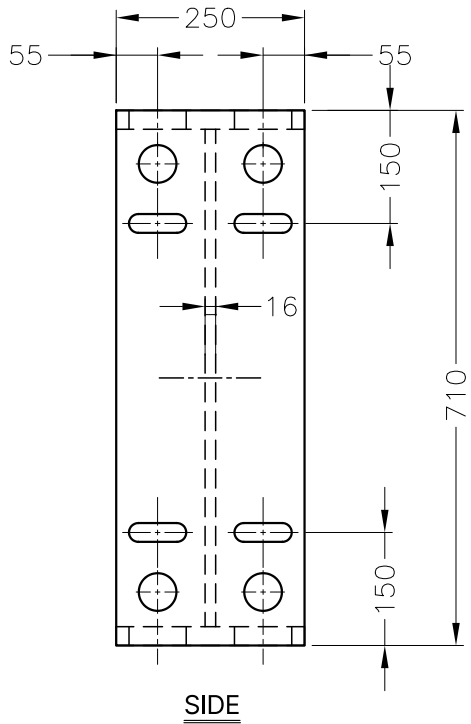
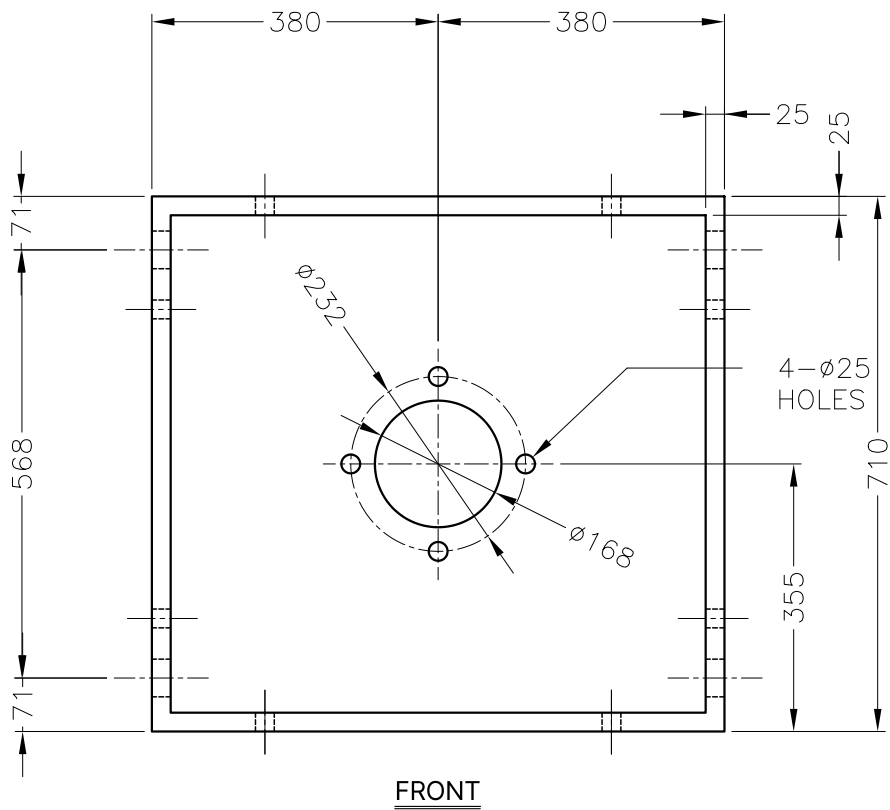
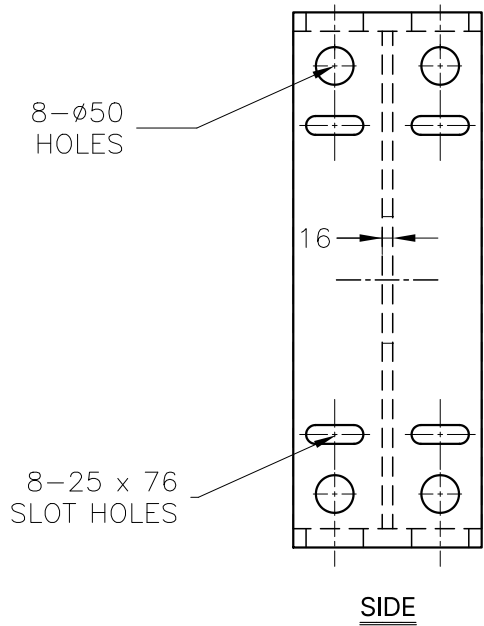
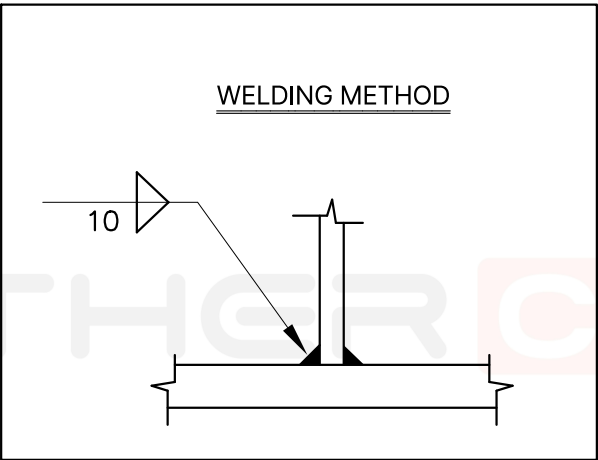
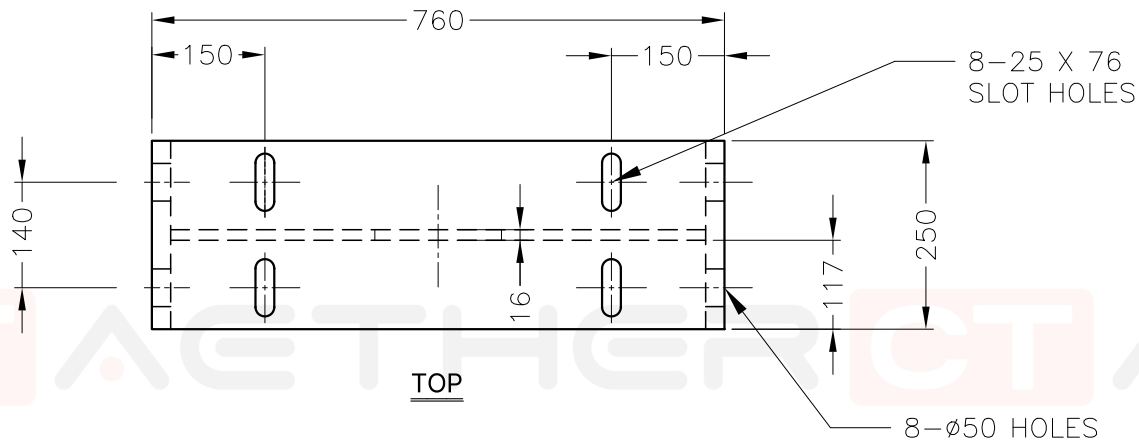


NOTE

- BODY MATERIAL : SUS316L
- O-RING MATERIAL : VITON
- O-RING HARDNESS: HV 90
- O-RING SIZE : ID78.0 x 3.1t, ID88.90 x 3.8t
- PACKING MATERIAL: TEFLON

METRIC		113, Yoksam-dong 17-ro, Gangseo-gu, Busan, Republic of Korea TEL. +82-51-941-6471, FAX. +82-51-971-0919 www.aetherct.com CONFIDENTIAL THIS DRAWING IS FOR THE SOLE USE OF THE INTENDED RECIPIENT(S) AND MAY CONTAIN INFORMATION THAT IS PROPRIETARY, CONFIDENTIAL, AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. THIS DRAWING MAY NOT BE COPIED OR PASSED ON TO A THIRD PERSON. ANY UNAUTHORIZED REVIEW, USE, DISCLOSURE, OR DISTRIBUTION IS PROHIBITED. THIS DOCUMENT IS THE PROPERTY OF AETHER CT Co., Ltd.		
APP BY	Y.R.OH	TITLE END PLUG 3/4" NPT		
CHK BY	H.J.LEE			
DWN BY	D.K.OH			
DIMENSIONS ARE IN MILLIMETERS TOLERANCES ACCORDING TO ISO 2768-V OVER 4m ±10mm		DATE 2023. 05. 12		
THIRD ANGLE PROJECTION		SIZE A3	DWG NO. 980-304A	PART NO. 16300014MK1
			SCALE 1/2	REV. 0
			SHEET 1 / 1	

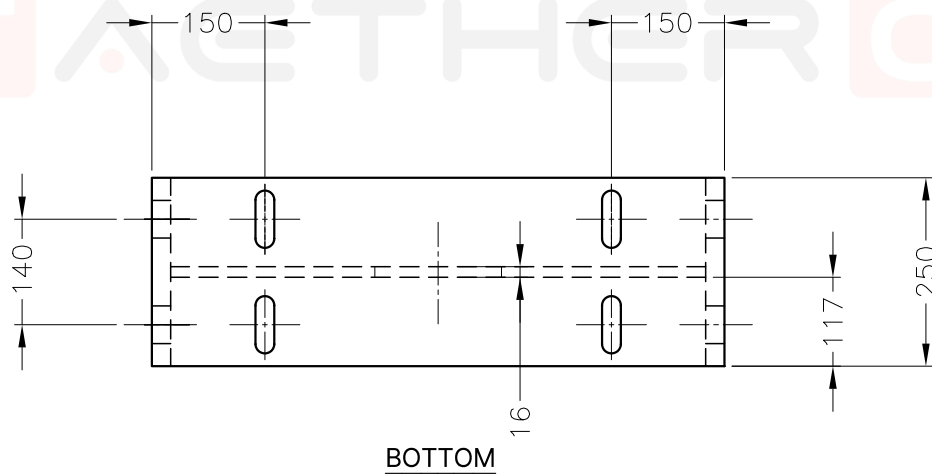
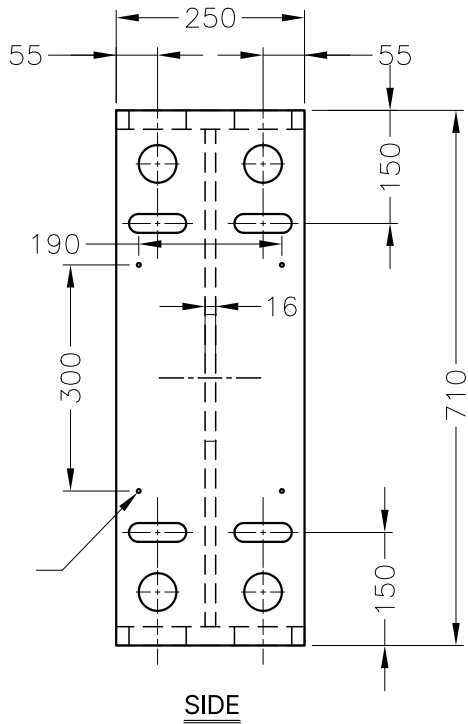
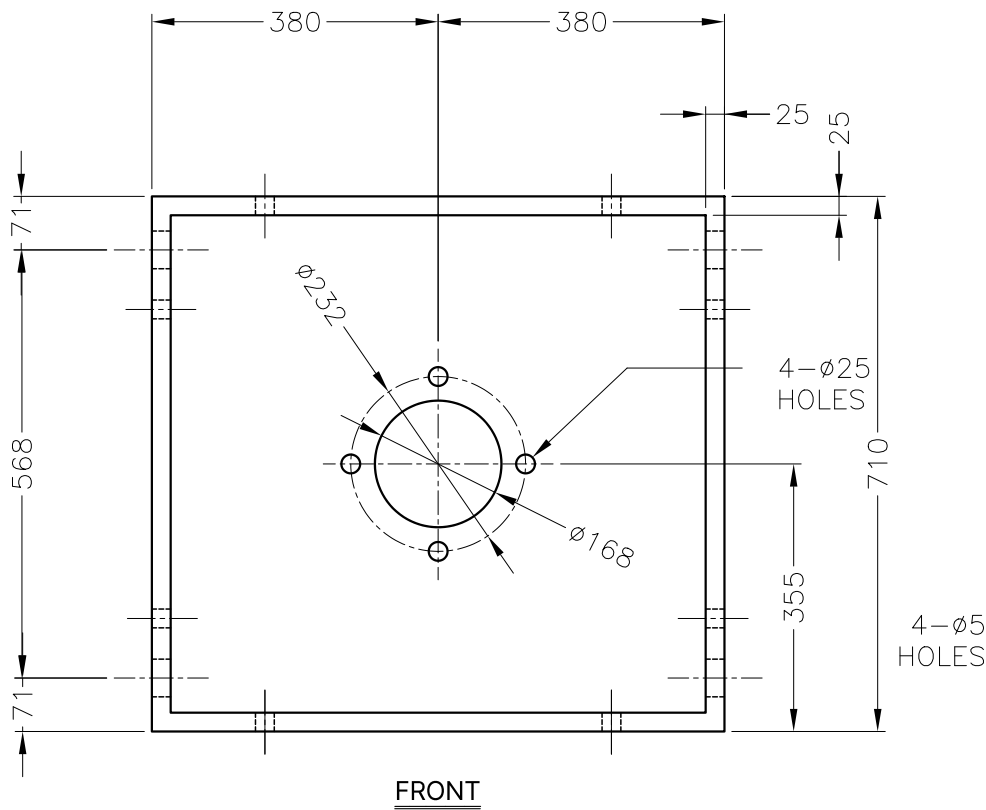
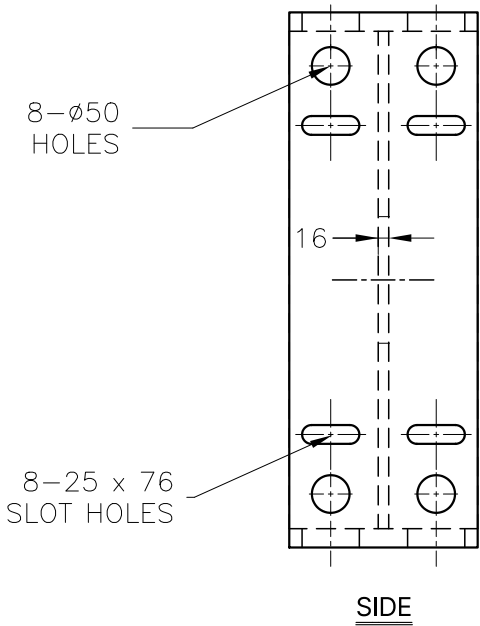
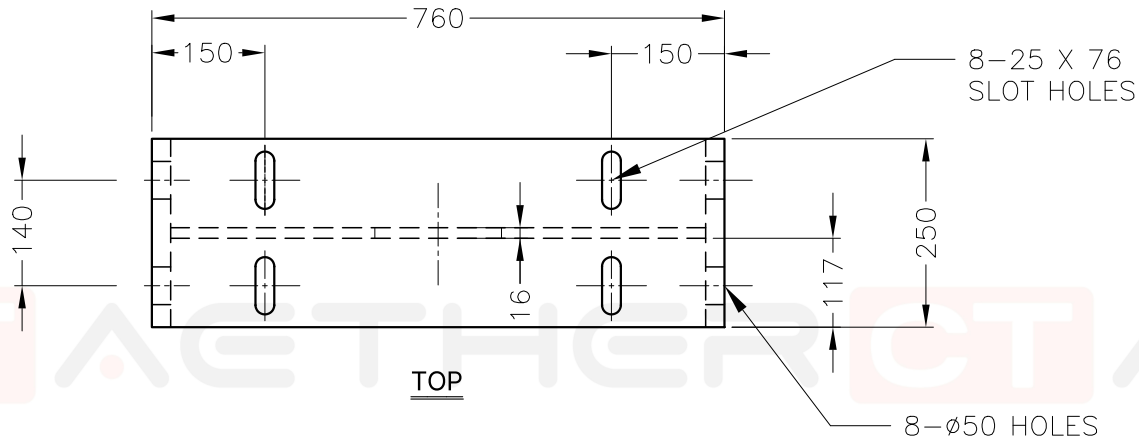
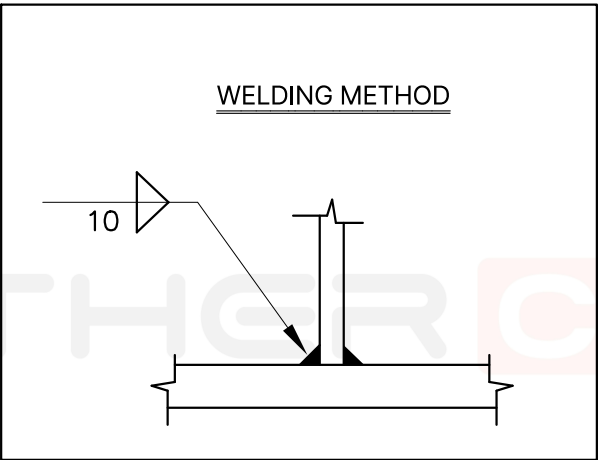
NO	PART NAME	SPECIFICATION	MATERIAL	Q'TY	REMARK
1	END BOX - A TYPE	760 x 710 x 250	SS400	1	HOT DIP GAL'V



NOTE
- BODY MATERIAL : SS400
- FINISH : HOT DIP GAL'V

METRIC		AETHER CT		
APP BY	Y.R.OH	CONFIDENTIAL THIS DRAWING IS FOR THE SOLE USE OF THE INTENDED RECIPIENT(S) AND MAY CONTAIN INFORMATION THAT IS PROPRIETARY, CONFIDENTIAL, AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. THIS DRAWING MAY NOT BE COPIED OR PASSED ON TO A THIRD PERSON. ANY UNAUTHORIZED REVIEW, USE, DISCLOSURE, OR DISTRIBUTION IS PROHIBITED. THIS DOCUMENT IS THE PROPERTY OF AETHER CT Co., Ltd.		
CHK BY	H.J.LEE			
DWN BY	D.K.OH			
DIMENSIONS ARE IN MILLIMETERS TOLERANCES ACCORDING TO ISO 2768-v OVER 4m : ±10mm		TITLE END BOX (555BAR, 990BAR)		
	SIZE A3	DWG NO. 184-501-052	PART NO. -	REV. 0
		DATE 2024. 01. 10	SCALE 1/10	SHEET 1 / 2

NO	PART NAME	SPECIFICATION	MATERIAL	Q'TY	REMARK
1	END BOX - B TPYE	760 x 710 x 250	SS400	1	HOT DIP GAL'V



NOTE

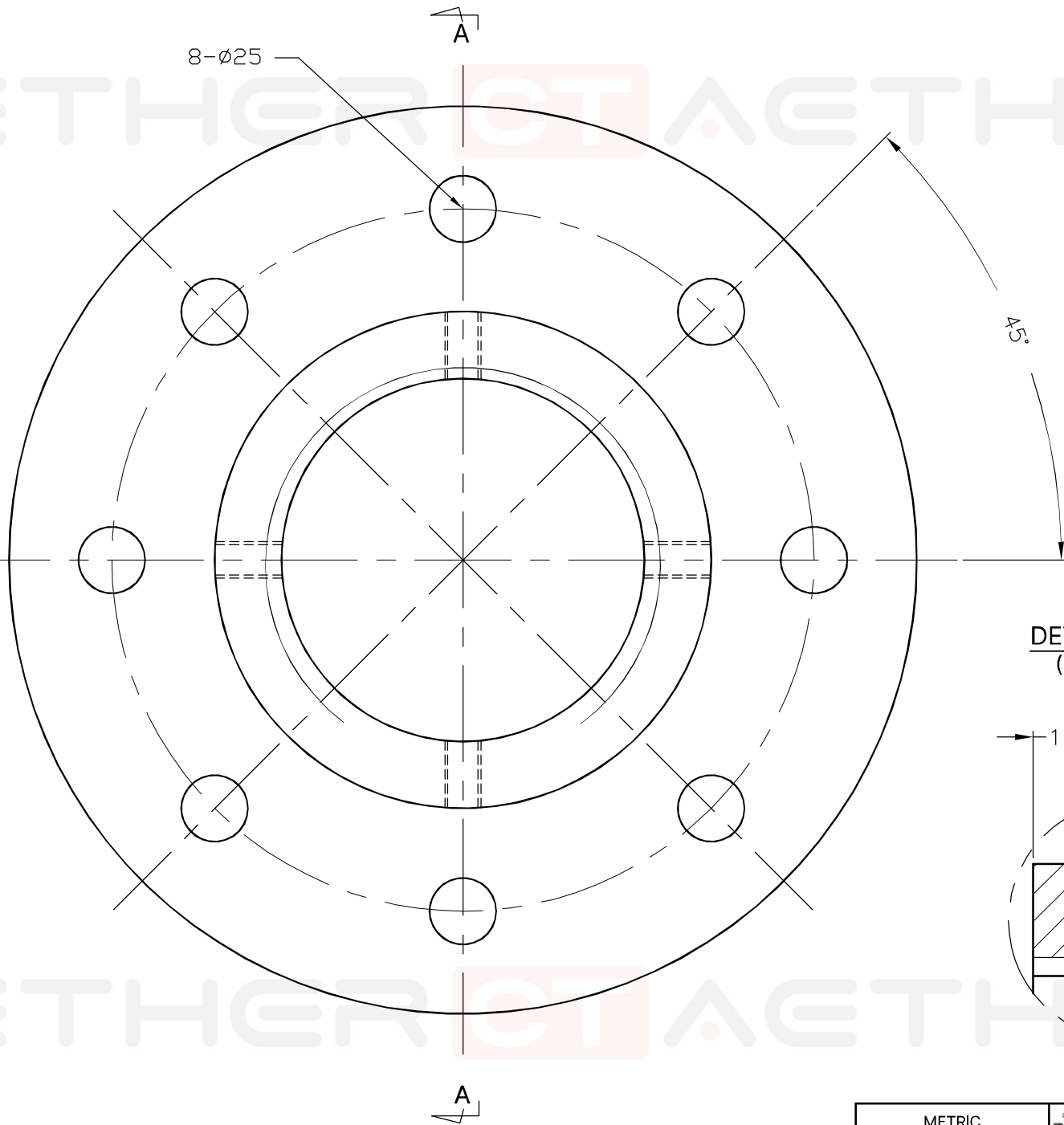
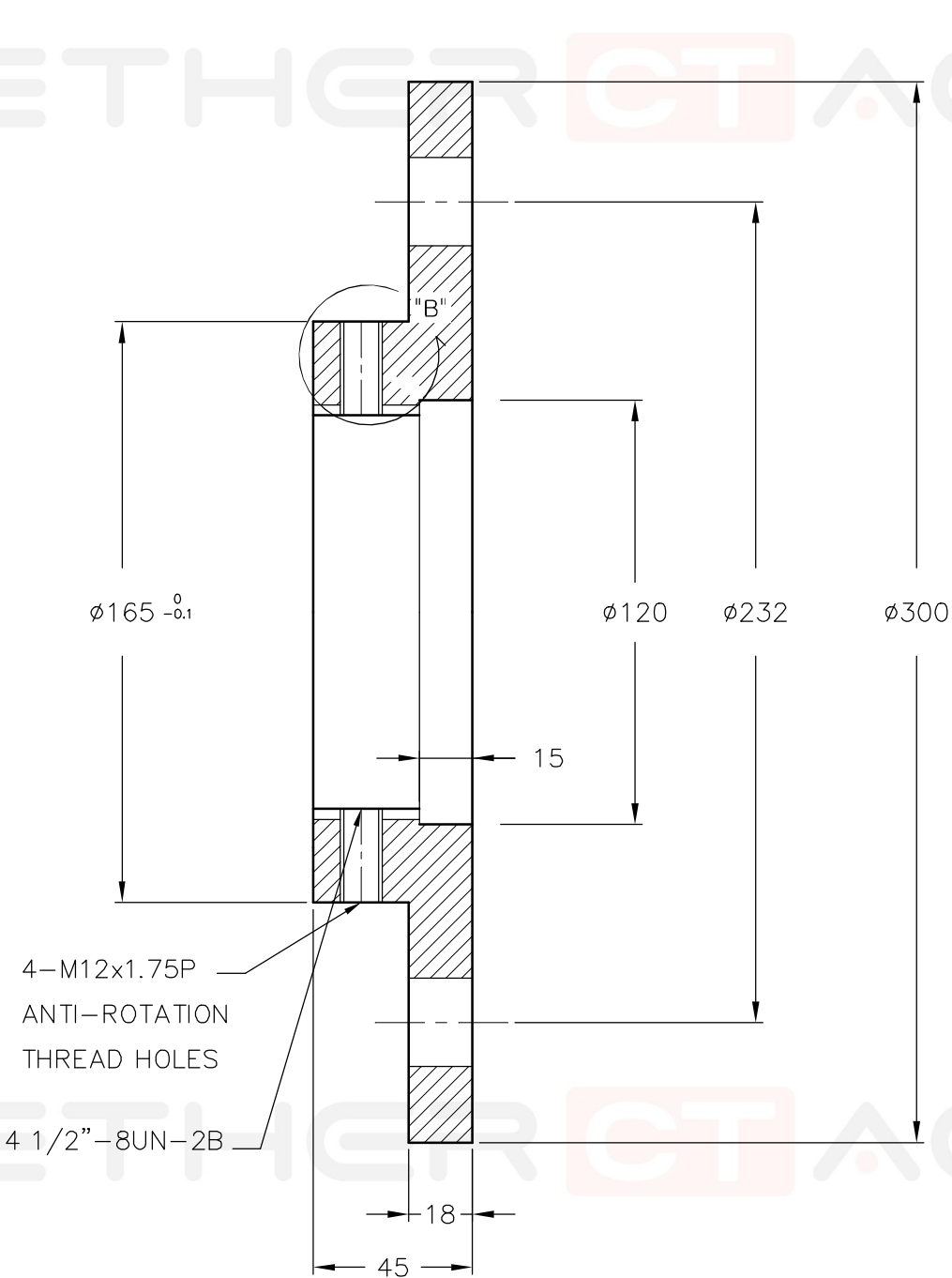
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- FINISH : HOT DIP GAL'V

METRIC		DS AETHER CT 113, Noksan-dan 17-ro, Gangseo-gu, Busan, Republic of Korea TEL. +82-51-941-6471, FAX. +82-51-971-9819 www.aetherct.com			
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CHK BY	H.J.LEE				
DWN BY	D.K.OH				
DIMENSIONS ARE IN MILLIMETERS TOLERANCES ACCORDING TO ISO 2768-v OVER 4m : ±10mm		END BOX (555BAR, 990BAR)			
	SIZE A3	DWG NO. 184-501-052	PART NO. -	REV. 0	
	THIRD ANGLE PROJECTION	DATE 2024. 01. 10.	SCALE 1/10	SHEET 2 / 2	

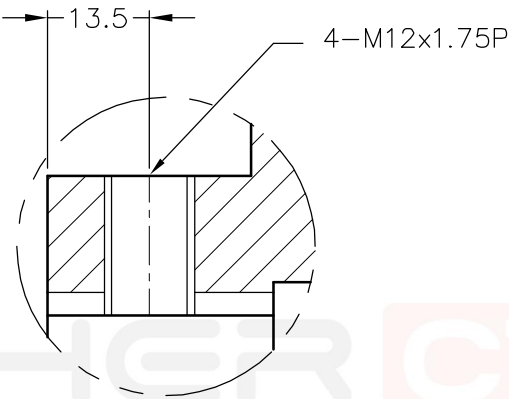
NO	PART NAME	SPECIFICATION	MATERIAL	Q'TY	REMARK
1	FLANGE	4 1/2" - 8 UN - 2B	SS400	1SET	-

SECTION "A" - "A"

FRONT VIEW(A TYPE)



DETAIL OF "B"
(SCALE=2:1)



NOTE

- BODY MATERIAL : SS400
- TOLERANCE : ISO 2768-1 M GRADE
- ANTI-ROTATION : A TYPE- 4-M12 x 1.75P HOLES
- THREAD HOLES : B TYPE - NO ANTI- ROTATION THREAD HOLES

PART NAME TO BE PAINTED	NAME OF PAINT AND DFT			FINISH COLOR (MUNSELL NO.)	MANUFACTURE
	1ST COAT (PRIMER)	2ND COAT (INTERMEDIATE)	FINISH COAT		
FLANGE	EPOXY MASTIC HEVIMASTIC GREY 50 MICRONS	EPOXY MASTIC HEVIMASTIC GREY 50 MICRONS	POLYURETHANE PROTAN TOP COAT 50 MICRONS	ORANGE 2.5YR 6/14	CHOKWANG PAINT OR EQUIVALENT

METRIC		AETHER CT		
APP BY	Y.R.OH	CONFIDENTIAL		
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DWN BY	D.K.OH	TITLE		
DIMENSIONS ARE IN MILLIMETERS TOLERANCES ACCORDING TO ISO 2768-M OVER 4m ±10mm		FLANGE 4 1/2" - 8 UN - 2B		
THIRD ANGLE PROJECTION		DWG NO. 184-205-051	PART NO. 208N9023	REV. 0
DATE 2023. 05. 12		SCALE 1/2	SHEET 1 / 1	