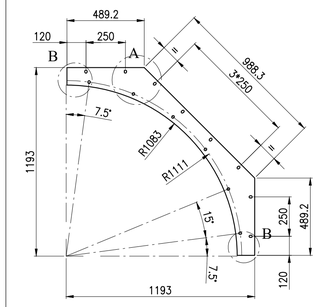
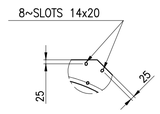
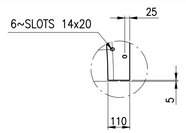
5110-01 THK.=4



SCALE 2:1

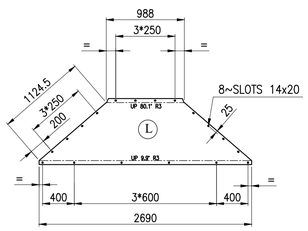


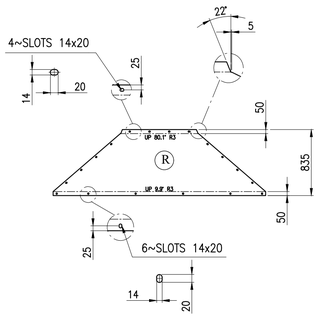
DET. A
SCALE 2:1



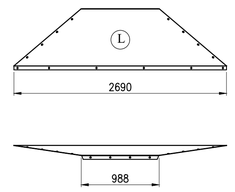
DET. B
SCALE 2.5:1

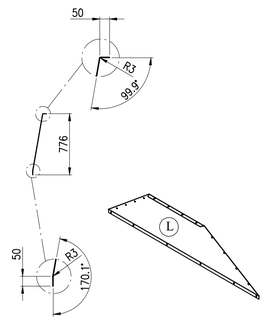
5110-02L&R FLAT PATTERN THK.=3



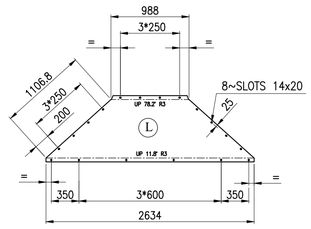


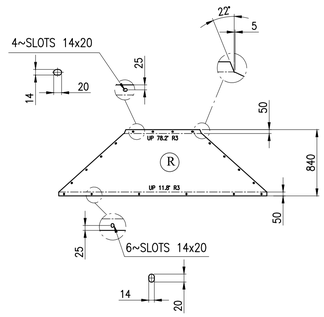
5110-02L&R AFTER BENDING



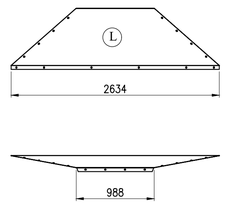


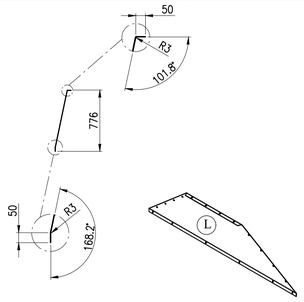
5110-03L&R FLAT PATTERN THK.=3



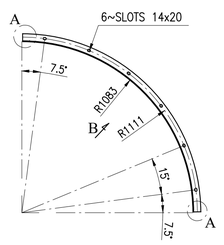


5110-03L&R AFTER BENDING

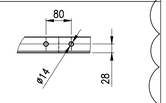




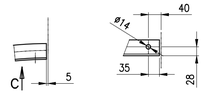
5110-06 L50x5



SCALE 2:1



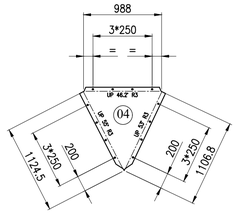
VIEW B
SCALE 4:1

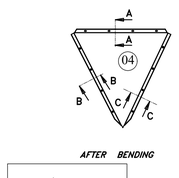


DET A
SCALE 4:1

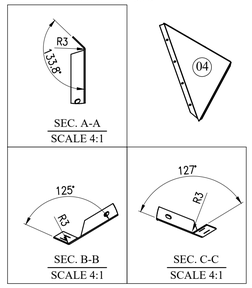
VIEW C
SCALE 4:1

5110-04 & 5110-05 FLAT PATTERN THK.=3





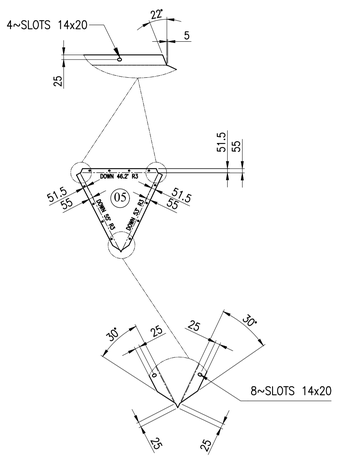
AFTER BENDING

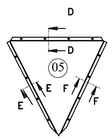


SEC. A-A
SCALE 4:1

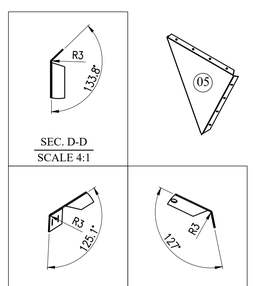
SEC. B-B
SCALE 4:1

SEC. C-C
SCALE 4:1





AFTER BENDING

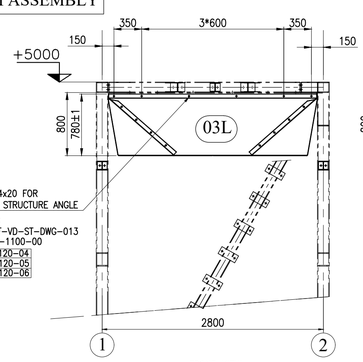


SEC. D-D
SCALE 4:1

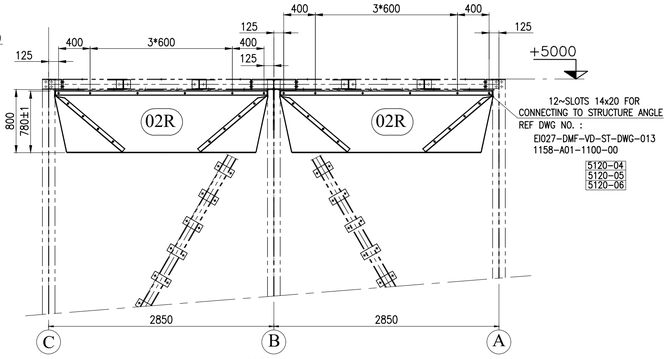
SEC. E-E
SCALE 4:1

SEC. F-F
SCALE 4:1

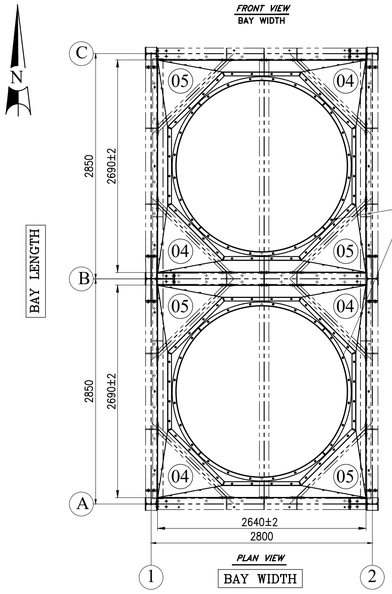
PLENUM ASSEMBLY



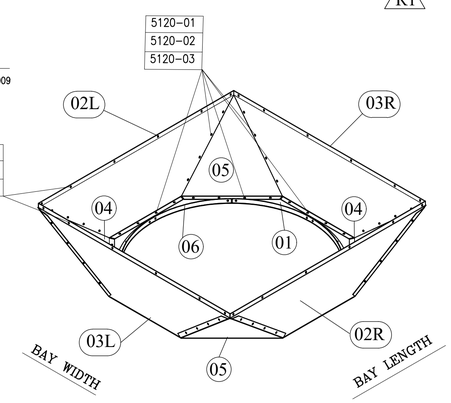
FRONT VIEW
BAY WIDTH



SIDE VIEW
BAY LENGHT



PLAN VIEW



ISOMETRIC VIEW

PART LIST

PART NO.	DESCRIPTION	DIA. (mm)	LENGT H(mm)	WIDTH (mm)	THK. (mm)	MATERIAL	QTY.	Unit Weight(kg)	Total Weight(kg)	REV.
5110-00	***PLENUM TRANSITION INCLUDING:***	-	-	-	-	-	4	262	1048	
5110-01	OCTAGONAL PLATE ASSEMBLY	-	-	-	4	St-37(Hot Dip Galv.)	4	8	32	R1
5110-02	TRAPEZOID PLATE (LEFT&RIGHT)	-	-	-	3	St-37(Hot Dip Galv.)	2	36	72	R1
5110-03	TRAPEZOID PLATE (LEFT&RIGHT)	-	-	-	3	St-37(Hot Dip Galv.)	2	36	72	R1
5110-04	TRIANGULAR PLATE	-	-	-	3	St-37(Hot Dip Galv.)	2	15.5	31	R1
5110-05	TRIANGULAR PLATE	-	-	-	3	St-37(Hot Dip Galv.)	2	15.5	31	R1
5110-06	ANGLE FAN RNG SUPPORT(L 50*5)	-	-	-	-	St-37(Hot Dip Galv.)	4	6	24	R1
5120-00	***BOLT/NUT/WASHER :***	-	-	-	-	-	-			
5120-01	BOLT	M12	40	-	-	DIN-933-CL.8.8(Dacromet)	64			
5120-02	NUT	M12	-	-	-	DIN-934-CL.8(Dacromet)	64			
5120-03	WASHER	A13	-	-	-	DIN-125A-ST(Dacromet)	128			
5120-04	BOLT FOR PLENUM TO STRUCTURE	M12	40	-	-	DIN-933-CL.8.8(Dacromet)	24			
5120-05	NUT	M12	-	-	-	DIN-934-CL.8(Dacromet)	24			
5120-06	WASHER	A13	-	-	-	DIN-125A-ST(Dacromet)	48			

NOTES :

1-ALL DIMENSION ARE IN MILLIMETERS.

2-BOLTS, NUTS,WASHERS,THREADS,PARTS INCLUDES THREADS SHALL BE AS PER PROJECT SPECIFICATION DOC. NO.: EI027-DMF-VD-QC-PRO-024

3- ALL PARTS HOT DIP GALVANIZING SHALL BE DONE AS PER ASTM-123/ISO 1461. R1

* FOR MORE DETAILS FOR EACH COMPONENT OF AIR COOLER REFER TO BELOW DRAWING & DOCUMENTS.

REFERENCED DWG&DOC.

TITLE	VENDOR DOCUMENT NO.	CLIENT DOCUMENT NO.
General Arrangement Drawing	1158-A01-1000-00	EI027-DMF-VD-ME-DWG-003
Fan Drive Assembly Drawing	1158-A01-6000-00	EI027-DMF-VD-ME-DWG-008
Fan Ring Drawing	1158-A01-5067-00	EI027-DMF-VD-ME-DWG-009
Steel Structure Drawing	1158-A01-1100-00	EI027-DMF-VD-ST-DWG-013
Surface Blasting & Painting & Galvanizing Specification and InspectionProcedure	1158-000-QS01-00	EI027-DMF-VD-QC-PRO-024

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	APPROVED BY	FINAL APPROVED BY
R1	08/31/2024	ISSUED FOR APPROVAL	F.SZ	F.A.	J.B.L	A.GHZ
R0	08/14/2024	ISSUED FOR APPROVAL	F.SZ	F.A.	J.B.L	A.GHZ

CLIENT: EN3R TEKNOLOJI

CONTRACTOR:

PROJECT :
AIR COOLER FOR
Toase-che Park Sanati Gohar Ofogh Petrochemical Co.
Plenum Drawing
1158-A01-5110-00

Damafin
thermal technology
Factory : Km 14 special Karaj road

DWG. NO.	EI027-DMF-VD-ME-DWG-011	
SCALE : N.T.S.	SIZE : A1	REV. : R1

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