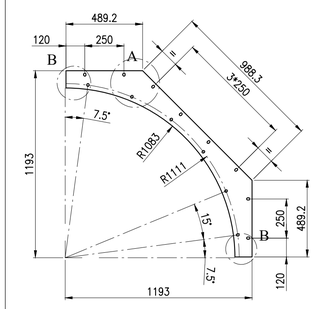
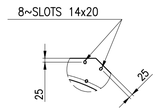
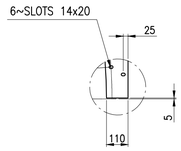
5110-01 THK.=4




SCALE 2:1

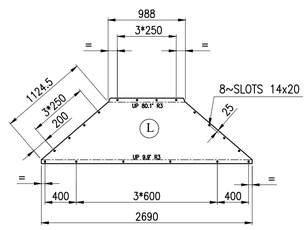


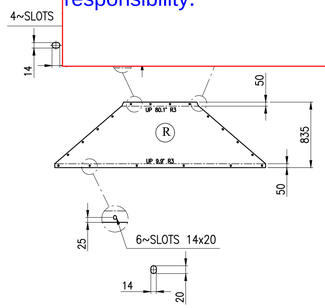

DET. A
SCALE 2:1




DET. B
SCALE 2.5:1

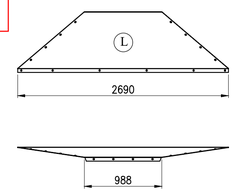
5110-02L&R FLAT PATTERN THK.=3

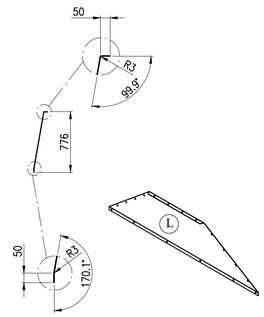


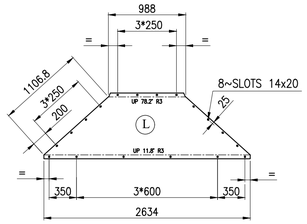

Compatibility between related documents is in vendor responsibility.

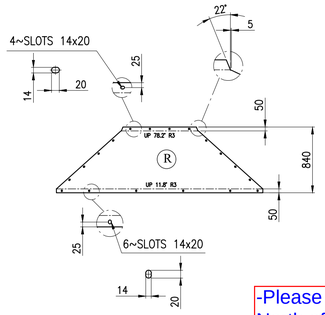
-02L&R AFTER BENDING



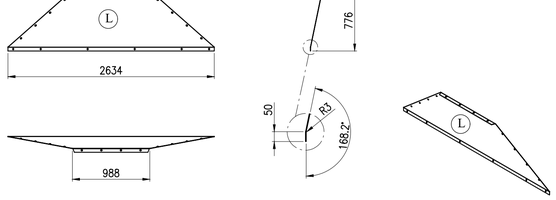




5110-03L&R FLAT PATTERN THK.=3

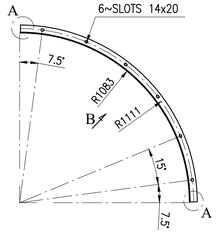


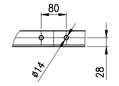

5110-03L&R AFTER BENDING



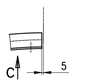

5110-06 L50x5



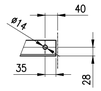

SCALE 2:1




VIEW B
SCALE 4:1



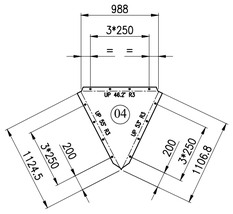

DET A
SCALE 4:1

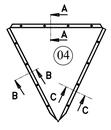



VIEW C
SCALE 4:1

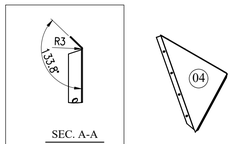
-Please add TOP plan view with specifying the North of plant.
-Please add isometric view.

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

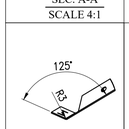


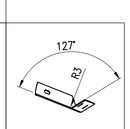

AFTER BENDING



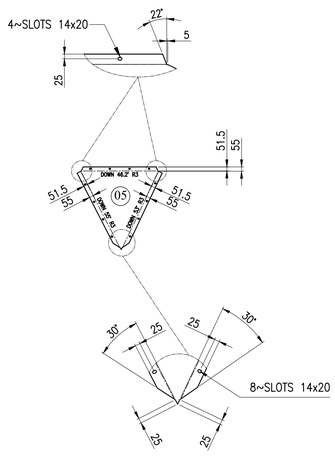

SEC. A-A
SCALE 4:1

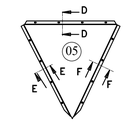



SEC. B-B
SCALE 4:1

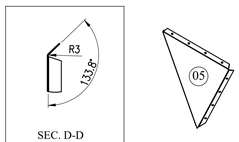



SEC. C-C
SCALE 4:1

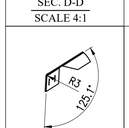


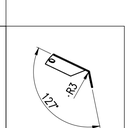

AFTER BENDING




SEC. D-D
SCALE 4:1

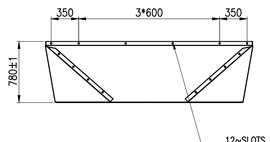



SEC. E-E
SCALE 4:1



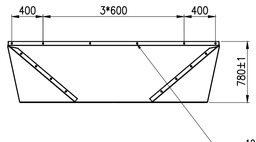

SEC. F-F
SCALE 4:1

PLENUM ASSEMBLY



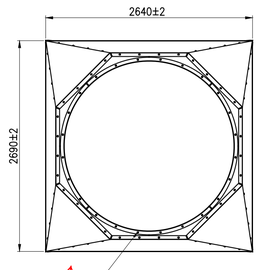

12~SLOTS 14x20 FOR CONNECTING TO STRUCTURE ANGLE
REF DWG NO. : EI027-DMF-VD-ST-DWG-013
1158-A01-1100-00

5120-04
5120-05
5120-06



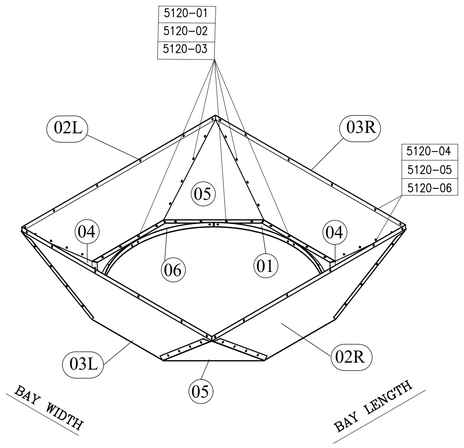

12~SLOTS 14x20 FOR CONNECTING TO STRUCTURE ANGLE
REF DWG NO. : EI027-DMF-VD-ST-DWG-013
1158-A01-1100-00

5120-04
5120-05
5120-06




SLOTS 14x20 FOR CONNECTING TO FAN RING
REF DWG NO. : EI027-DMF-VD-ME-DWG-009
1158-A01-5067-00

Please specify the bay width & Length for this sketch also.




PART LIST

Hot Dip GAL

| PART NO. | DESCRIPTION | DIA. (mm) | LENGTH (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(Galv.) | 4 | 8 | 32 | |
| 5110-02 | TRAPEZOID PLATE (LEFT&RIGHT) | - | - | - | 3 | st-37(Galv.) | 2 | 36 | 72 | |
| 5110-03 | TRAPEZOID PLATE (LEFT&RIGHT) | - | - | - | 3 | st-37(Galv.) | 2 | 36 | 72 | |
| 5110-04 | TRIANGULAR PLATE | - | - | - | 3 | st-37(Galv.) | 2 | 15.5 | 31 | |
| 5110-05 | TRIANGULAR PLATE | - | - | - | 3 | st-37(Galv.) | 2 | 15.5 | 31 | |
| 5110-06 | ANGLE FAN RNG SUPPORT(L 50*5) | - | - | - | - | st-37(Galv.) | 4 | 6 | 24 | |
| 5120-00 | ***BOLT/NUT/WASHER :*** | - | - | - | - | - | - | | | |
| 5120-01 | BOLT | M12 | 40 | - | - | DIN-933-CL8.8(Dacromet) | 64 | | | |
| 5120-02 | NUT | M12 | - | - | - | DIN-934-CL8(Galv.) | 64 | | | |
| 5120-03 | WASHER | A13 | - | - | - | DIN-125A-ST(Dacromet) | 128 | | | |
| 5120-04 | BOLT FOR PLENUM TO STRUCTURE | M12 | 40 | - | - | DIN-933-CL8.8(Dacromet) | 24 | | | |
| 5120-05 | NUT | M12 | - | - | - | DIN-934-CL8(Dacromet) | 24 | | | |
| 5120-06 | WASHER | A13 | - | - | - | DIN-125A-ST(Dacromet) | 48 | | | |

To be hot dip galvanized as per note 2. There is discrepancy.

NOTES :

1-All dimension are in millimeters.

2-All parts shall be hot dip galvanized according to ASTM 123.

* 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 |
|---|---|---|---|---|---|---|
| R0 | 08/14/2024 | ISSUED FOR APPROVAL | F.SZ | F.A. | J.B.L | A.GHZ |

CLIENT: ENER TEKNOLOJI

CONTRACTOR:

PROJECT :
**AIR COOLER FOR**
**Toase-ehe 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. : R0 |

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