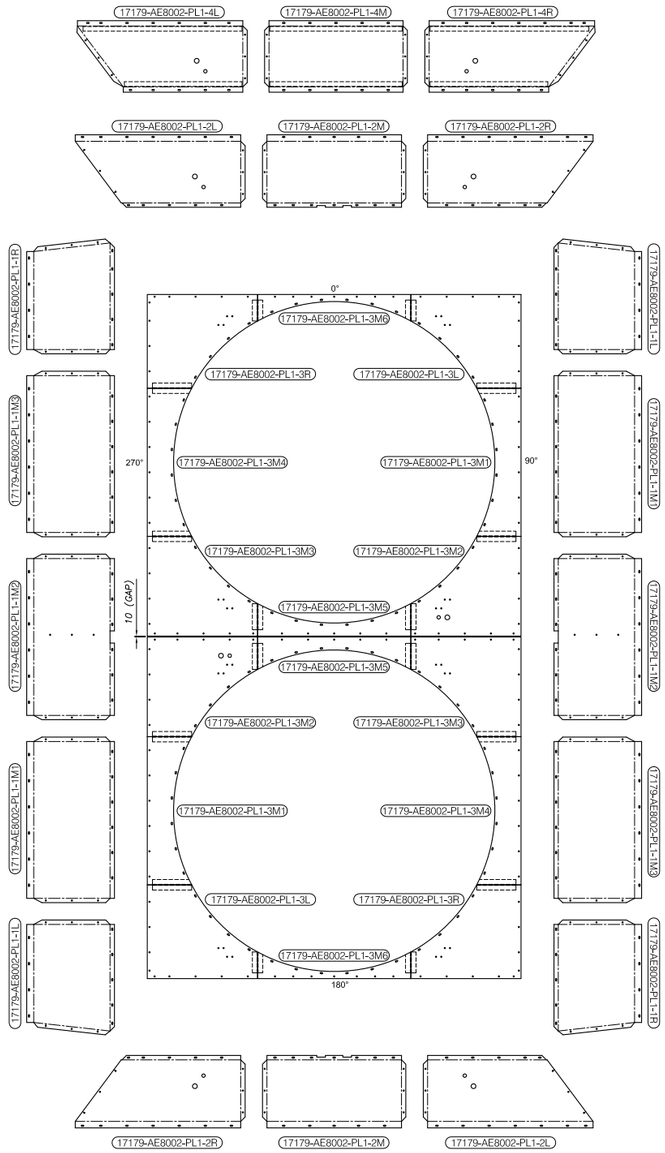
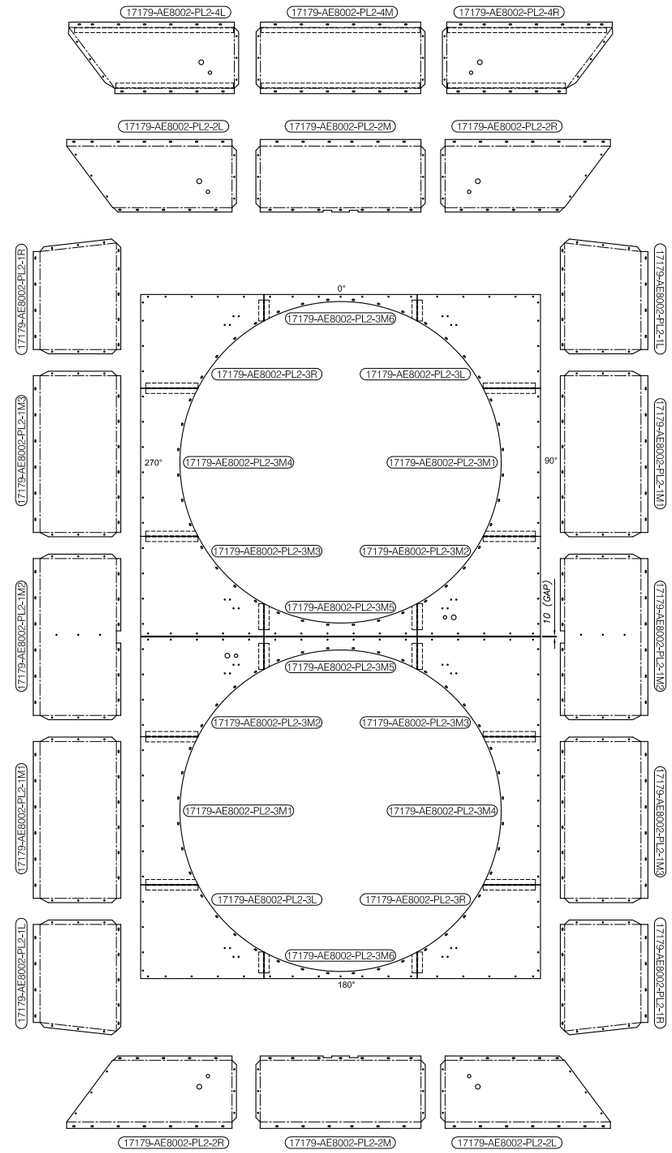


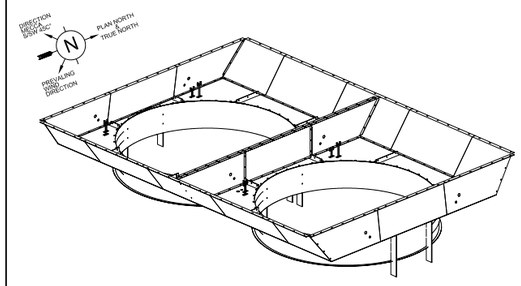
PLENUM TYPE I & DECK PLATE - DEVELOPMENT VIEW

SCALE 1/70



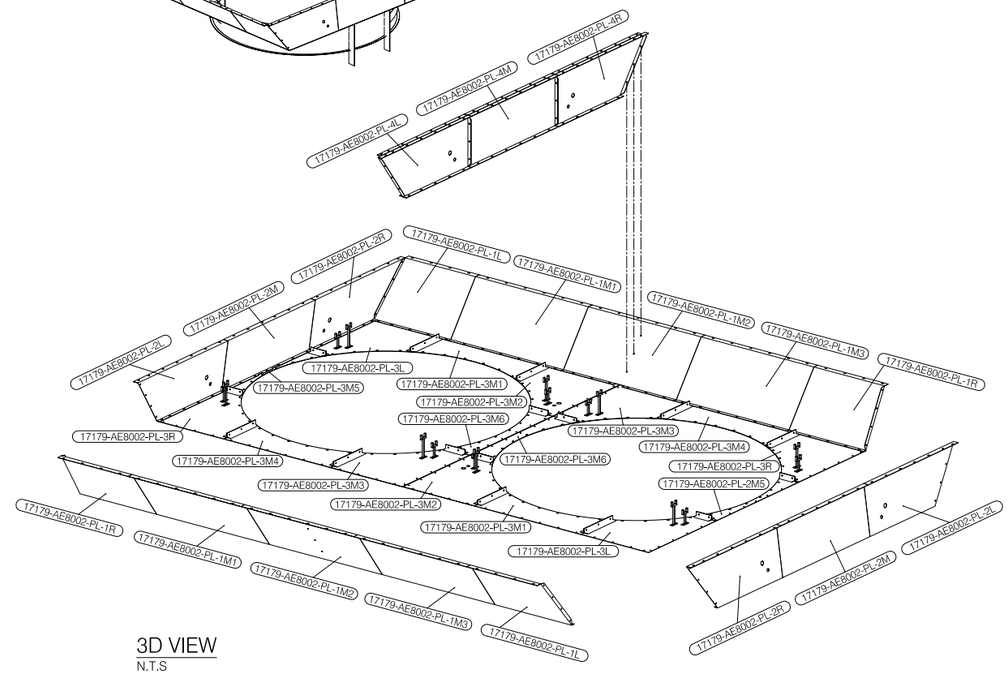
PLENUM TYPE II & DECK PLATE - DEVELOPMENT VIEW

SCALE 1/70



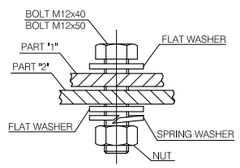
GENERAL NOTES

1. ALL HOLES ARE Ø14 FOR BOLT M12 .
2. ALL SLOTTED HOLES ARE Ø14x20 FOR BOLTS M12 .
3. ALL DIMENSIONS ARE IN mm EXCEPT SPECIFIED .
4. MARKING : 17179-AE8002-PL-PART No.
5. SURFACE FINISHING : ACCORDING TO PAINTING & GALVANIZING DOCUMENT NO. : VD-1228-253-PCJ-009
6. ALL BOLT ARE M12x40
   BOLTING : DIN 933/ DIN 934 (GALVANIZED)
   TWO FLAT WASHER / SPRING WASHER : DIN 121/ DIN 127
   TOTAL REQUIRED QUANTITY :
   UNIT TYPE I : 452 SETS / UNIT
   UNIT TYPE II : 466 SETS / UNIT
7. QUANTITY : ONE UNIT PER BAY
   TOTAL : 1 UNIT TYPE I + 2 UNITS TYPE II



3D VIEW

N.T.S



JOINT DETAIL

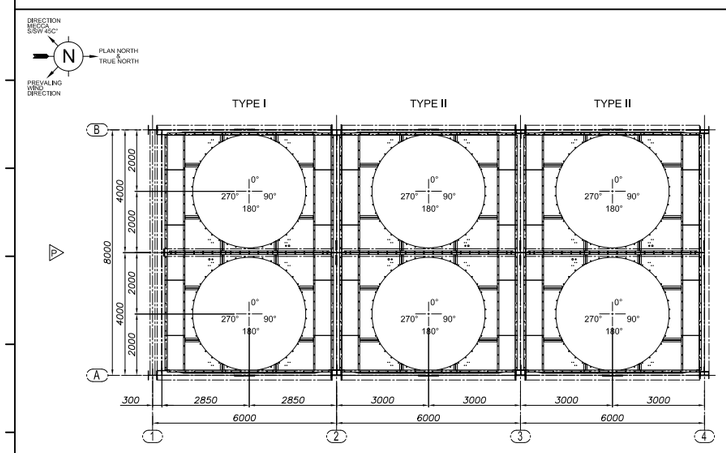
N.T.S

- ☐ NO COMMENT: DOCUMENTS/DRAWINGS WERE CHECKED BY PIDEC AND FURTHER STEPS CAN BE FOLLOWED.
- ☐ COMMENTS AS MARKED: DOCUMENTS/DRAWINGS WERE CHECKED BY PIDEC AND MARKED COMMENTS MUST BE
- ☐ CONSIDERED BY VENDOR. VENDOR SHALL REVISE DOCUMENTS/DRAWINGS AS PER COMMENTS AND THE NEW REVISION OF DOCUMENTS/DRAWINGS MUST BE REISSUED PRIOR TO FABRICATION.
- ☐ REJECTED: DOCUMENTS/DRAWINGS WERE CHECKED AND IT IS NOT IN COMPLY WITH PURCHASE REQUSITION REQUIREMENTS.
- ☐ ACCEPTABLE WITH COMMENTS: DOCUMENTS/DRAWINGS WERE CHECKED BY PIDEC AND COMMENTS MUST BE CONSIDERED BY VENDOR. FABRICATION CAN PROCEED ACCORDINGLY. REVISED DOCUMENT TO BE ISSUED EITHER FOR REVIEW OR AS FINAL CERTIFIED. HOWEVER PIDEC WILL CHECK THE REVISED DOCUMENT FOR PROPER INCORPORATION OF COMMENTS.
- ☐ NOT RETURNED: DOCUMENT WAS RECEIVED FOR INFORMATION AND NOT RETURNED TO THE VENDOR.

Name: Signature: Date:	Req. No.:	Seq. No.:

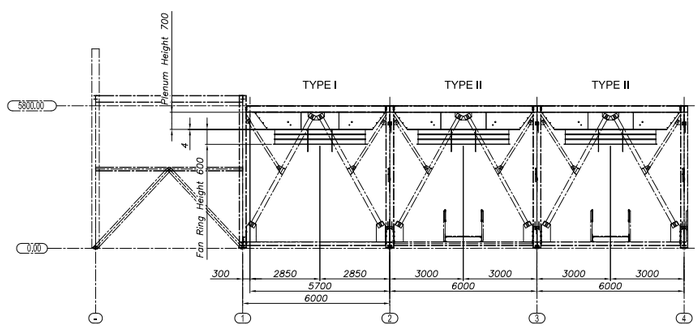
PIDEC review & comments does not absolve the vendor of the responsibility for the correct design, manufacturing and operation of the equipment.

DE	EXT	
Eng. Phase	Purpose of DIstribution (POD)	Purpose of Issue (POI)



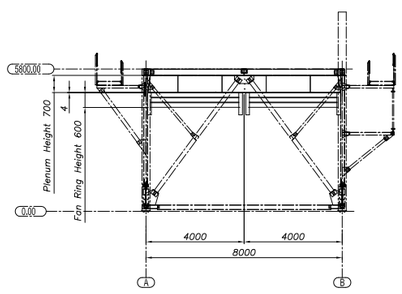
PLAN VIEW

SCALE 1/200



VIEW S

SCALE 1/250



VIEW P

SCALE 1/250

REV.	ISSUE DATE	DESCRIPTION	PREPARED BY	CHECKED BY	APPROVED BY	AUTHORIZED BY
00	25.JUL.2020	ISSUED FOR APPROVAL	M.SHAHPARAST	F.HAZRATI	F.MOHAMMADI	P.KARIMIZADEH

End User : Project NO : 141

Owner : Project NO : 23-13-2

PROJECT : BSPC UNIT 800 REHABILITATION & RENOVATION PROJECT

EPs CONTRACTOR : PETROCHEMICAL INDUSTRIES DESIGN & ENGINEERING COMPANY (PIDEC)

VENDOR : ABAN AIR COOLER — Vendor Project No.: 17179

TITLE : Plenum & Fan Ring Drawing AE-8002

SCALE :	OWNER PROJ. NO. :	PIDEC DWG. NO. :	REV.
AS SHOWN	23-13-2	VD-1228-253-DIS-001	00
SHEET : 1 OF 6	PIDEC PROJ. NO. : 1228	VENDOR DWG. NO. : VD-1228-253-DWG-006	SIZE : A3
		OWNER DWG. NO. : VD-253-DWG-006	

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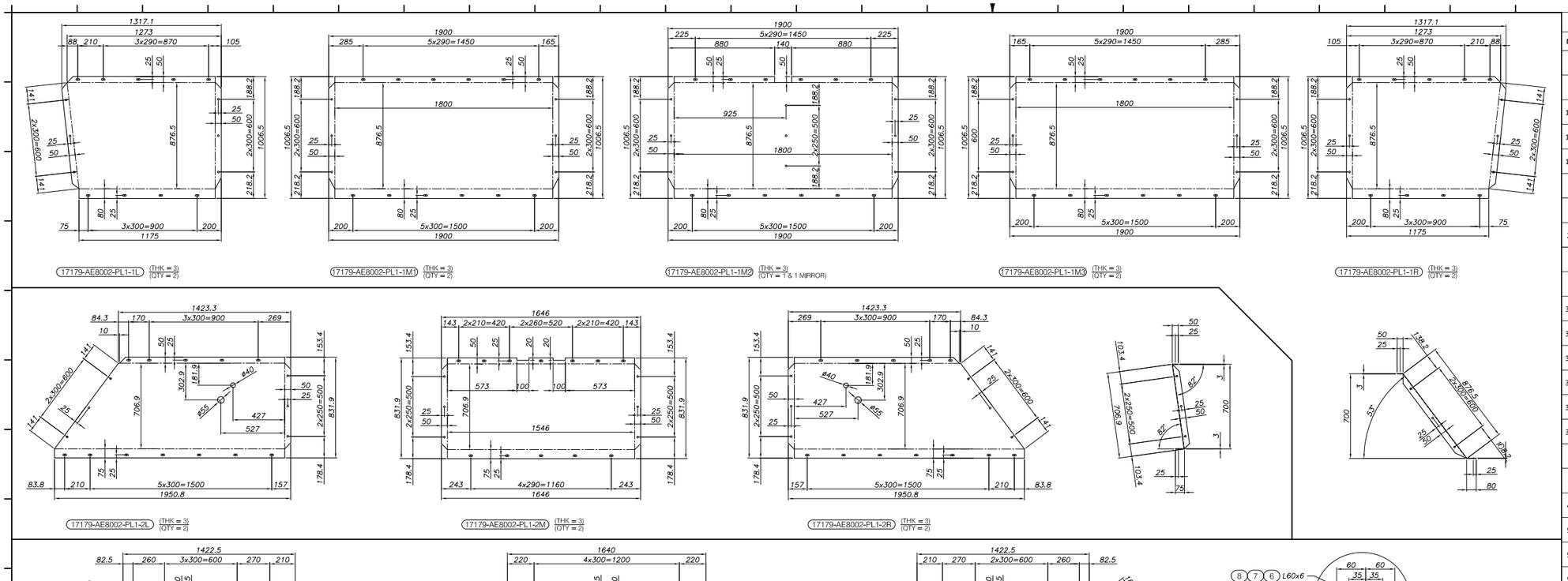
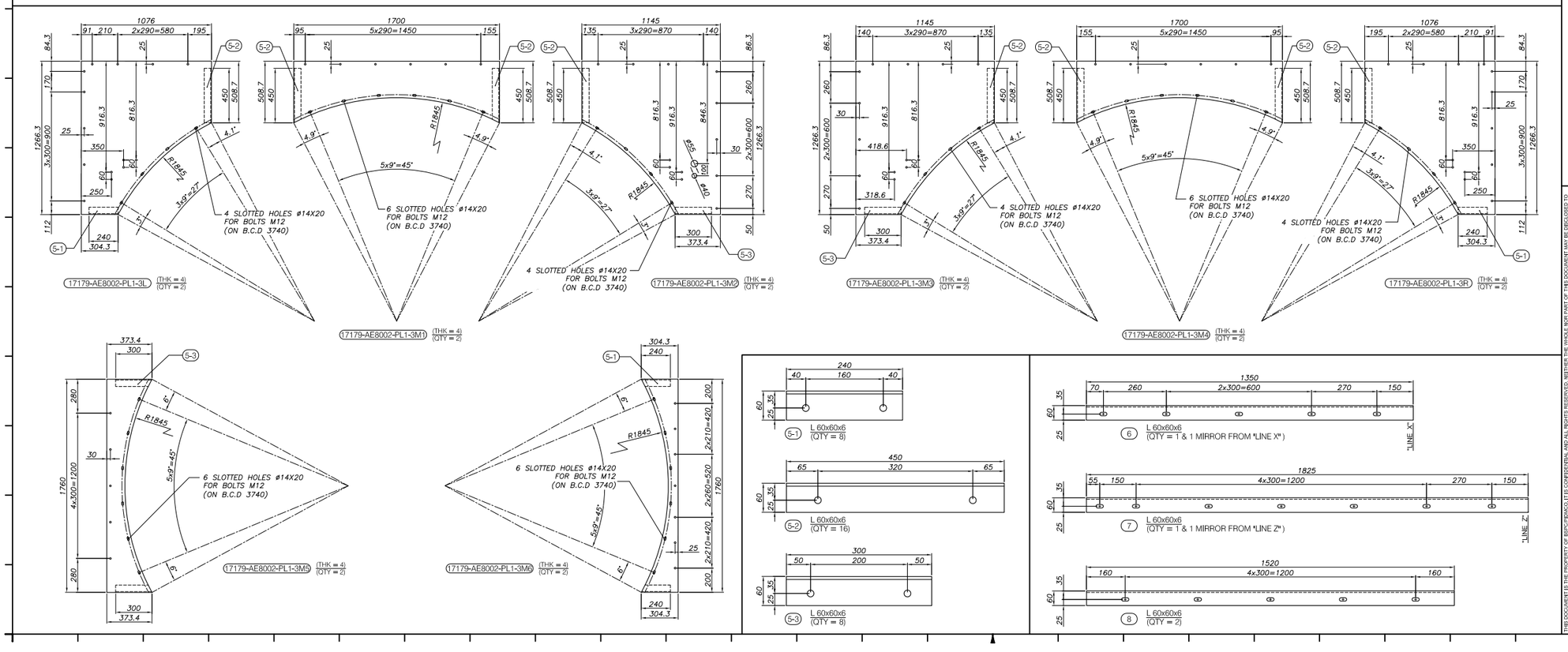


PART LIST FOR AE8002 - TYPE I

No.	DIMENSION	MATERIAL	Qty.	U.Weight	T.Weight	MARKING
1L	1317x1006x3	A36	2	31	62	17179-AE8002-PL1-1L
1R	1317x1006x3	A36	2	31	62	17179-AE8002-PL1-1R
1M1	1900x1006x3	A36	2	45	90	17179-AE8002-PL1-1M1
1M2	1900x1006x3	A36	2	45	90	17179-AE8002-PL1-1M2
1M3	1900x1006x3	A36	2	45	90	17179-AE8002-PL1-1M3
2L	1951x832x3	A36	2	40	80	17179-AE8002-PL1-2L
2R	1951x832x3	A36	2	40	80	17179-AE8002-PL1-2R
2M	1646x832x3	A36	2	32	64	17179-AE8002-PL1-2M
3L	1076x1266x4	A36	2	43	86	17179-AE8002-PL1-3L
3R	1076x1266x4	A36	2	43	86	17179-AE8002-PL1-3R
3M1	1700x509x4	A36	2	27	54	17179-AE8002-PL1-3M1
3M2	1145x1266x4	A36	2	46	92	17179-AE8002-PL1-3M2
3M3	1145x1266x4	A36	2	46	92	17179-AE8002-PL1-3M3
3M4	1700x509x4	A36	2	27	54	17179-AE8002-PL1-3M4
3M5	373x1760x4	A36	2	21	42	17179-AE8002-PL1-3M5
3M6	305x1760x4	A36	2	17	34	17179-AE8002-PL1-3M6
4L	1950x820x3	A36	1	38	38	17179-AE8002-PL1-4L
4R	1950x820x3	A36	1	38	38	17179-AE8002-PL1-4R
4M	1640x820x3	A36	1	32	32	17179-AE8002-PL1-4M
5-1	L 60x60x6 - L240	A36	8	1.5	12	
5-2	L 60x60x6 - L450	A36	16	2.5	40	
5-3	L 60x60x6 - L300	A36	8	1.6	12.8	
6	L 60x60x6 - L1350	A36	2	7.5	15	
7	L 60x60x6 - L1825	A36	2	10	20	
8	L 60x60x6 - L1520	A36	2	8.5	17	
9	M12x40	A325	452	-	-	BOLT/NUT/2 F.WASHER/S.WASHER
				T.Weight (Kg)	1382.8	



REV.	ISSUE DATE	DESCRIPTION	PREPARED BY	CHECKED BY	APPROVED BY	AUTHORIZED BY
00	25.JUL.2020	ISSUED FOR APPROVAL	M.SHAHPARAST	F.HAZRATI	F.MOHAMMADI	P.KARIMIZADEH

End User : PGPIC — Project NO : 141

Owner : Project NO : 23-13-2

PROJECT : BSPC UNIT 800 REHABILITATION & RENOVATION PROJECT

EPs CONTRACTOR : PETROCHEMICAL INDUSTRIES DESIGN & ENGINEERING COMPANY (PIDEC)

VENDOR : AAC — ABAN AIR COOLER — Vendor Project No.: 17179

TITLE : Plenum & Fan Ring Drawing AE-8002

SCALE :	OWNER PROJ. NO. :	PIDEC DWG. NO. :	REV.
AS SHOWN	23-13-2	VD-1228-253-DIS-001	00
SHEET :	PIDEC PROJ. NO. :	VENDOR DWG. NO. : VD-1228-253-DWG-006	SIZE :
2 OF 6	1228	OWNER DWG. NO. : VD-253-DWG-006	A3

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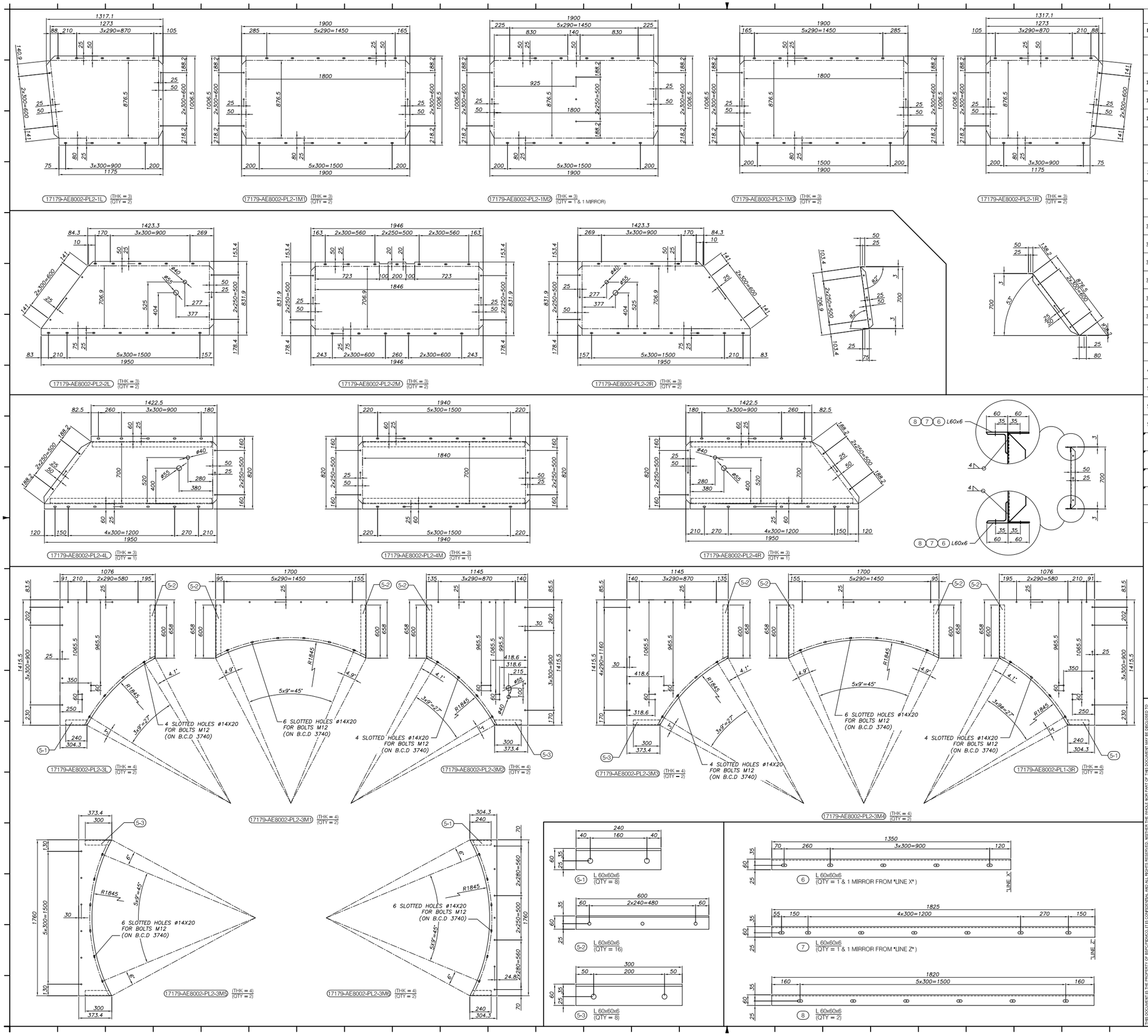

PART LIST FOR AE8002 - TYPE II - FOR ONE UNIT

No.	DIMENSION	MATERIAL	Qty.	U.Weight	T.Weight	MARKING
1L	1317x1006x3	A36	2	31	62	17179-AE8002-PL2-1L
1R	1317x1006x3	A36	2	31	62	17179-AE8002-PL2-1R
1M1	1900x1006x3	A36	2	45	90	17179-AE8002-PL2-1M1
1M2	1900x1006x3	A36	2	45	90	17179-AE8002-PL2-1M2
1M3	1900x1006x3	A36	2	45	90	17179-AE8002-PL2-1M3
2L	1951x832x3	A36	2	40	80	17179-AE8002-PL2-2L
2R	1951x832x3	A36	2	40	80	17179-AE8002-PL2-2R
2M	1946x832x3	A36	2	39	78	17179-AE8002-PL2-2M
3L	1076x1416x4	A36	2	48	96	17179-AE8002-PL2-3L
3R	1076x1416x4	A36	2	48	96	17179-AE8002-PL2-3R
3M1	1700x659x4	A36	2	35	70	17179-AE8002-PL2-3M1
3M2	1145x1416x4	A36	2	51	102	17179-AE8002-PL2-3M2
3M3	1145x1416x4	A36	2	51	102	17179-AE8002-PL2-3M3
3M4	1700x659x4	A36	2	35	70	17179-AE8002-PL2-3M4
3M5	373x1760x4	A36	2	21	42	17179-AE8002-PL2-3M5
3M6	305x1760x4	A36	2	17	34	17179-AE8002-PL2-3M6
4L	1950x820x3	A36	1	38	38	17179-AE8002-PL2-4L
4R	1950x820x3	A36	1	38	38	17179-AE8002-PL2-4R
4M	1940x820x3	A36	1	37	37	17179-AE8002-PL2-4M
5-1	L 60x60x6 - L240	A36	8	1.5	12	
5-2	L 60x60x6 - L600	A36	16	3.5	56	
5-3	L 60x60x6 - L300	A36	8	1.6	12.8	
6	L 60x60x6 - L1350	A36	2	7.5	15	
7	L 60x60x6 - L1825	A36	2	10	20	
8	L 60x60x6 - L1820	A36	2	10	20	
9	M12x40	A325	466	-	-	BOLT/NUT/2 F.WASHER/S.WASHER
				T.Weight (Kg)	**1492.8**	

REV.	ISSUE DATE	DESCRIPTION	PREPARED BY	CHECKED BY	APPROVED BY	AUTHORIZED BY
00	25.JUL.2020	ISSUED FOR APPROVAL	M.SHAHPARAST	F.HAZRATI	F.MOHAMMADI	P.KARIMIZADEH

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End User : PGPIC — Project NO : 141

Owner : Project NO : 23-13-2

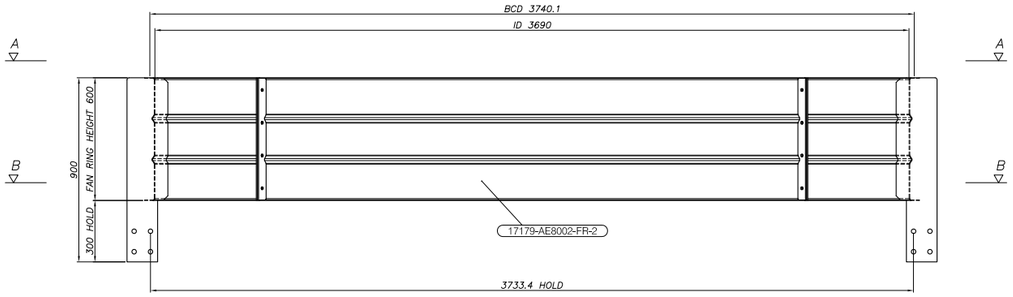
PROJECT : BSPC UNIT 800 REHABILITATION & RENOVATION PROJECT

EPs CONTRACTOR : PETROCHEMICAL INDUSTRIES DESIGN & ENGINEERING COMPANY (PIDEC)

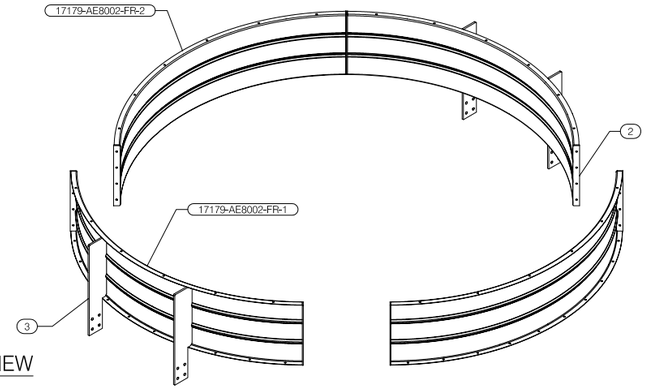
VENDOR : AAC — ABAN AIR COOLER — Vendor Project No.: 17179

TITLE : Plenum & Fan Ring Drawing AE-8002

SCALE :	OWNER PROJ. NO. :	PIDEC DWG. NO. :	REV.
AS SHOWN	23-13-2	VD-1228-253-DIS-001	00
SHEET :	PIDEC PROJ. NO. :	VENDOR DWG. NO. : VD-1228-253-DWG-006	SIZE :
3 OF 6	1228	OWNER DWG. NO. : VD-253-DWG-006	A3



FAN RING VIEW
SCALE 1/30



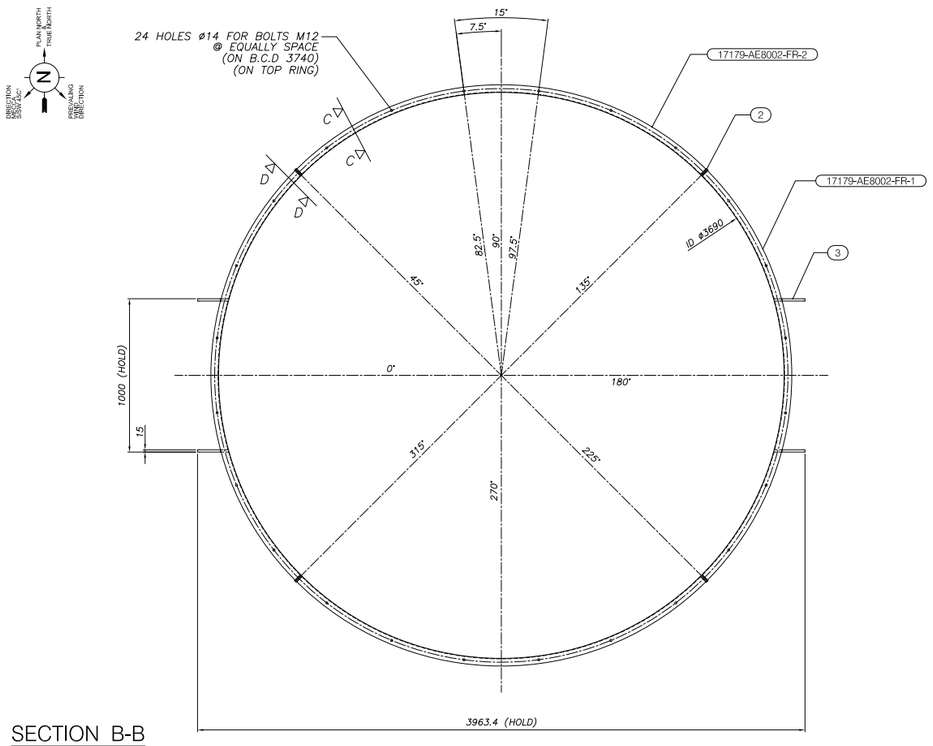
3D VIEW
N.T.S

GENERAL NOTES

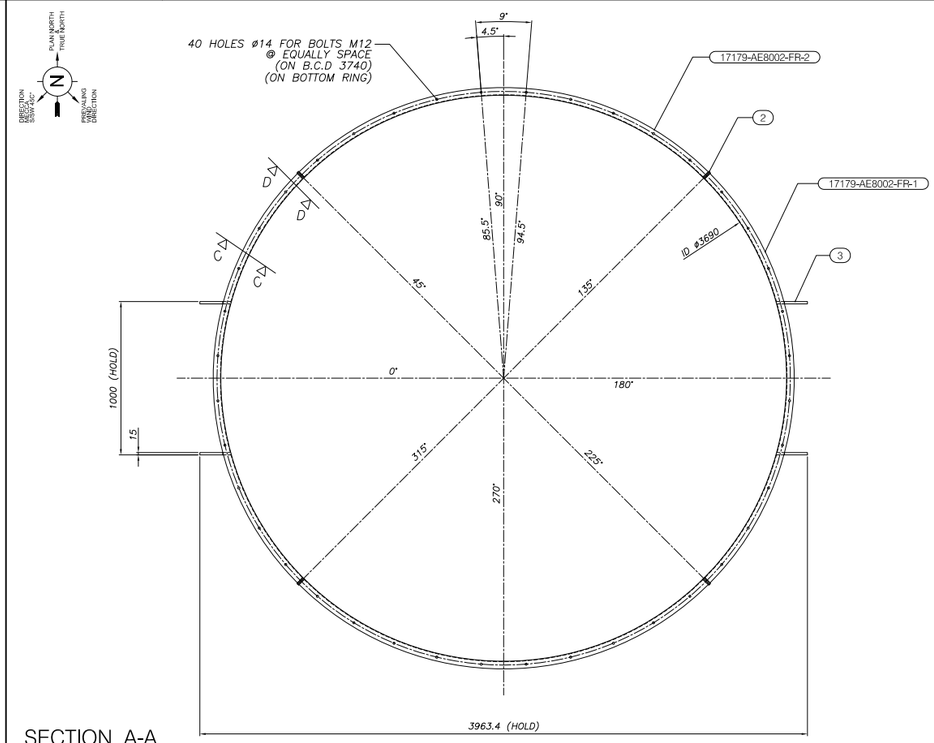
1. ALL HOLES ARE Ø14 FOR BOLT M12 .
2. ALL SLOTTED HOLES ARE Ø14x20 FOR BOLTS M12 .
3. ALL DIMENSIONS ARE IN mm EXCEPT SPECIFIED .
4. MARKING : 17179-AE8002-PL-PART No.
5. SURFACE FINISHING : ACCORDING TO PAINTING & GALVANIZING DOCUMENT NO. : VD-1228-253-PCJ-009
6. ALL BOLT ARE M12x40
   BOLTING : DIN 933/ DIN 934 (GALVANIZED)
   TWO FLAT WASHER / SPRING WASHER : DIN 121/ DIN 127
   TOTAL REQUIRED QUANTITY : 96 SETS / UNIT
7. QUANTITY : ONE UNIT PER BAY
   TOTAL : 6 UNITS

PART LIST FOR ONE FAN RING - AE8002

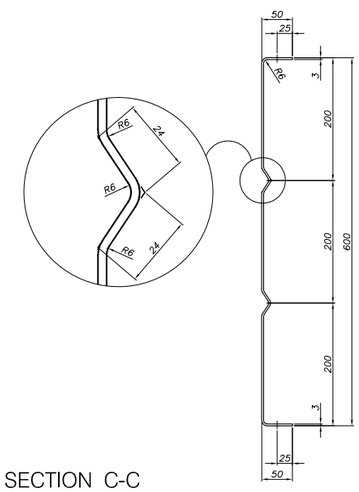
No.	DIMENSION	MATERIAL	Qty.	U.Weight	T.Weight	MARKING
1L	2883x700x3	A36	2	48	96	17179-AE8002-FR-1
1R	2883x700x3	A36	2	48	96	17179-AE8002-FR-2
2	600x55x8	A36	8	2	16	
3	900x200x15	A36	4	21	84	
4	M12x40	A325	16(SETS)	-	-	BOLT/NUT/2 F.WASHER/S.WASHER
				Σ Weight (Kg)	292	FOR ONE UNIT



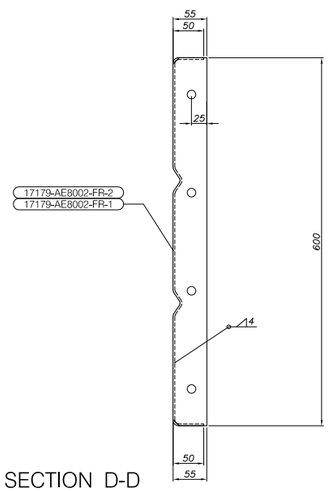
SECTION B-B
SCALE 1/40



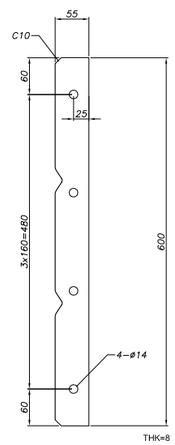
SECTION A-A
SCALE 1/40



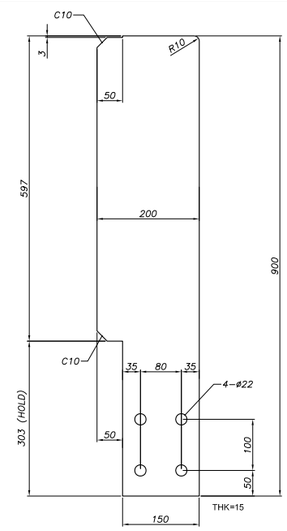
SECTION C-C
SCALE 1/10



SECTION D-D
SCALE 1/10



PART 2
SCALE 1/10



PART 3
SCALE 1/10

REV.	ISSUE DATE	DESCRIPTION	PREPARED BY	CHECKED BY	APPROVED BY	AUTHORIZED BY
00	25.JUL.2020	ISSUED FOR APPROVAL	M.SHAHPARAST	F.HAZRATI	F.MOHAMMADI	P.KARIMIZADEH

End User : Project NO : 141

Owner : Project NO : 23-13-2

PROJECT : BSPC UNIT 800 REHABILITATION & RENOVATION PROJECT

EPs CONTRACTOR : PETROCHEMICAL INDUSTRIES DESIGN & ENGINEERING COMPANY (PIDEC)

VENDOR : ABAN AIR COOLER
Vendor Project No.: 17179

TITLE : Plenum & Fan Ring Drawing
AE-8002

SCALE :	OWNER PROJ. NO. :	PIDEC DWG. NO. :	REV.
AS SHOWN	23-13-2	VD-1228-253-DIS-001	00
SHEET : 4 OF 6	PIDEC PROJ. NO. : 1228	VENDOR DWG. NO. : VD-1228-253-DWG-006	SIZE : A3
		OWNER DWG. NO. : VD-253-DWG-006	

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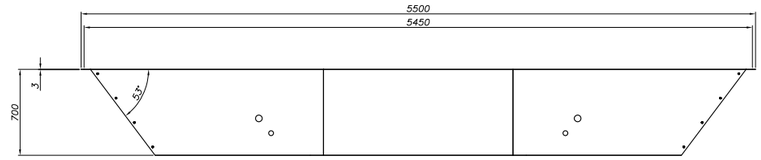
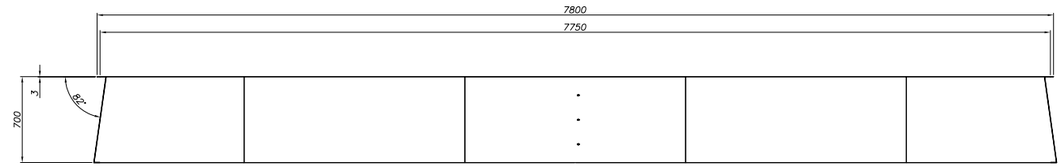
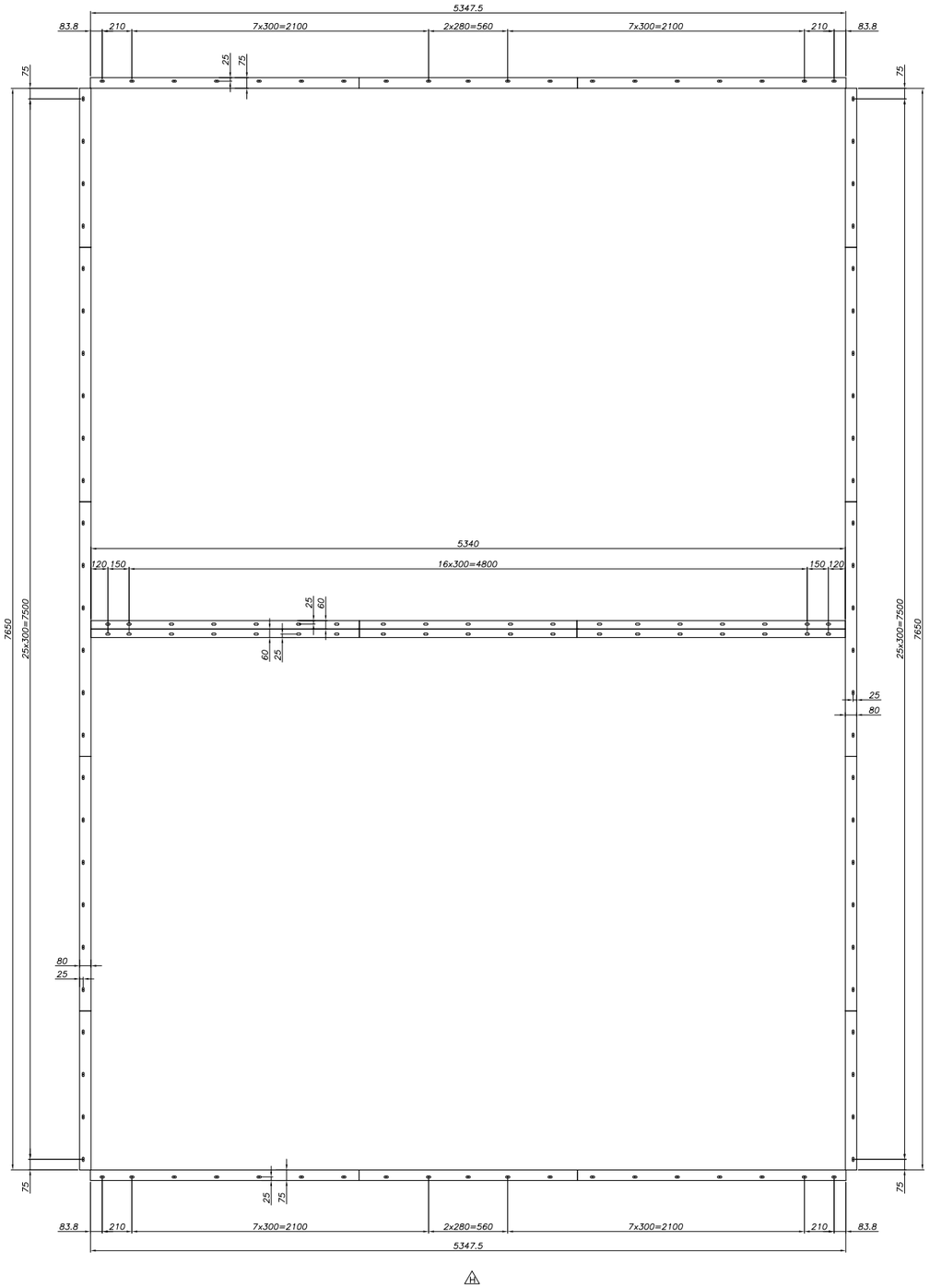
TYPE I



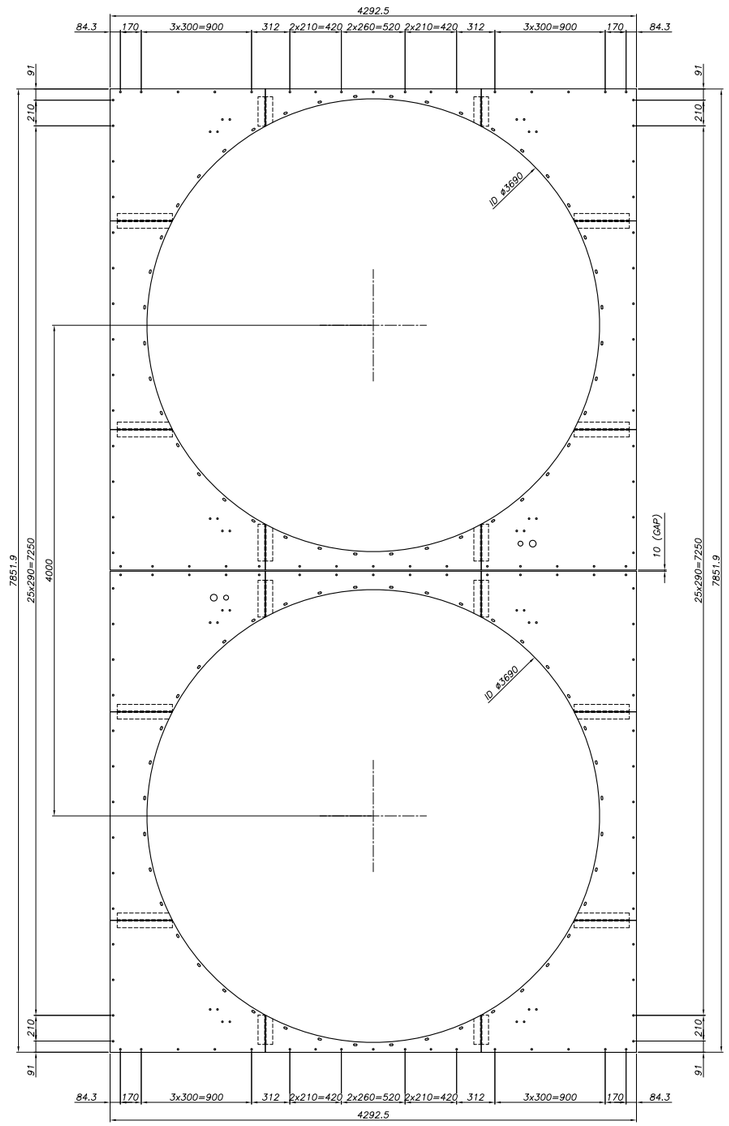
VIEW H



VIEW Z



PLAN VIEW



PLENUM ASSEMBLY
SCALE 1/40

DECK ASSEMBLY
SCALE 1/50

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REV.	ISSUE DATE	DESCRIPTION	PREPARED BY	CHECKED BY	APPROVED BY	AUTHORIZED BY
00	25.JUL.2020	ISSUED FOR APPROVAL	M.SHAHPARAST	F.HAZRATI	F.MOHAMMADI	P.KARIMIZADEH

End User : Project NO : 141

Owner : Project NO : 23-13-2

PROJECT : BSPC UNIT 800 REHABILITATION & RENOVATION PROJECT

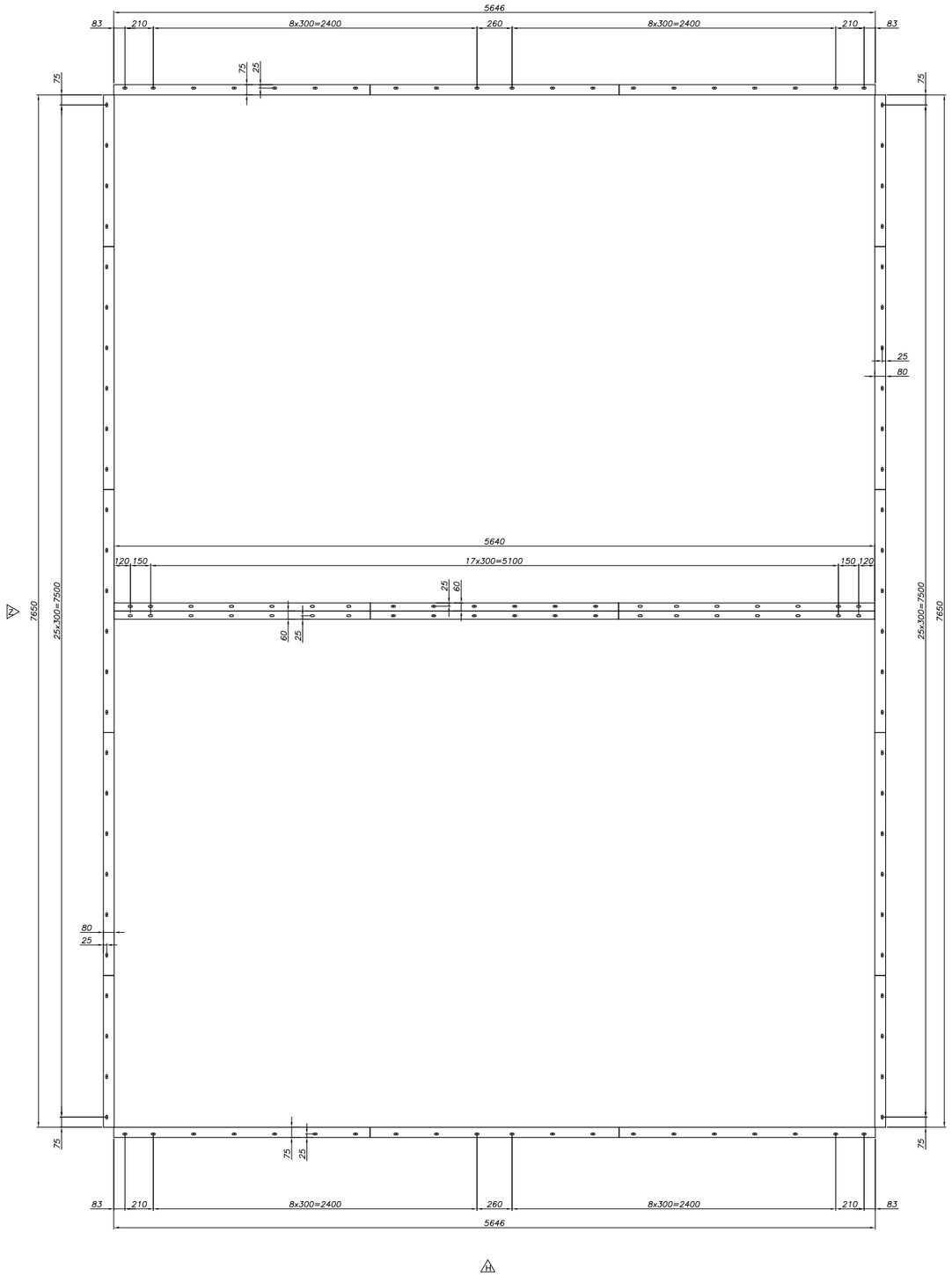
EPs CONTRACTOR : PETROCHEMICAL INDUSTRIES DESIGN & ENGINEERING COMPANY (PIDEC)

VENDOR : ABAN AIR COOLER
Vendor Project No.: 17179

TITLE : Plenum & Fan Ring Drawing
AE-8002

SCALE :	OWNER PROJ. NO. :	PIDEC DWG. NO. :	REV.
AS SHOWN	23-13-2	VD-1228-253-DIS-001	00
SHEET : 5 OF 6	PIDEC PROJ. NO. : 1228	VENDOR DWG. NO. : VD-1228-253-DWG-006	SIZE : A3
		OWNER DWG. NO. : VD-253-DWG-006	

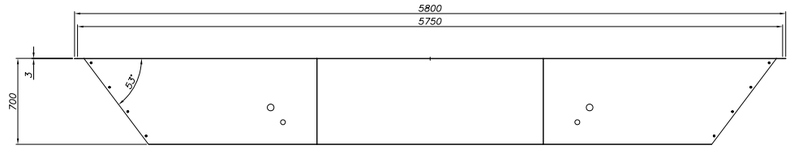
TYPE II



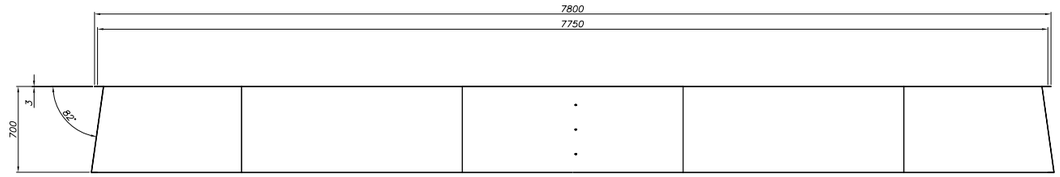
PLAN VIEW

PLENUM ASSEMBLY

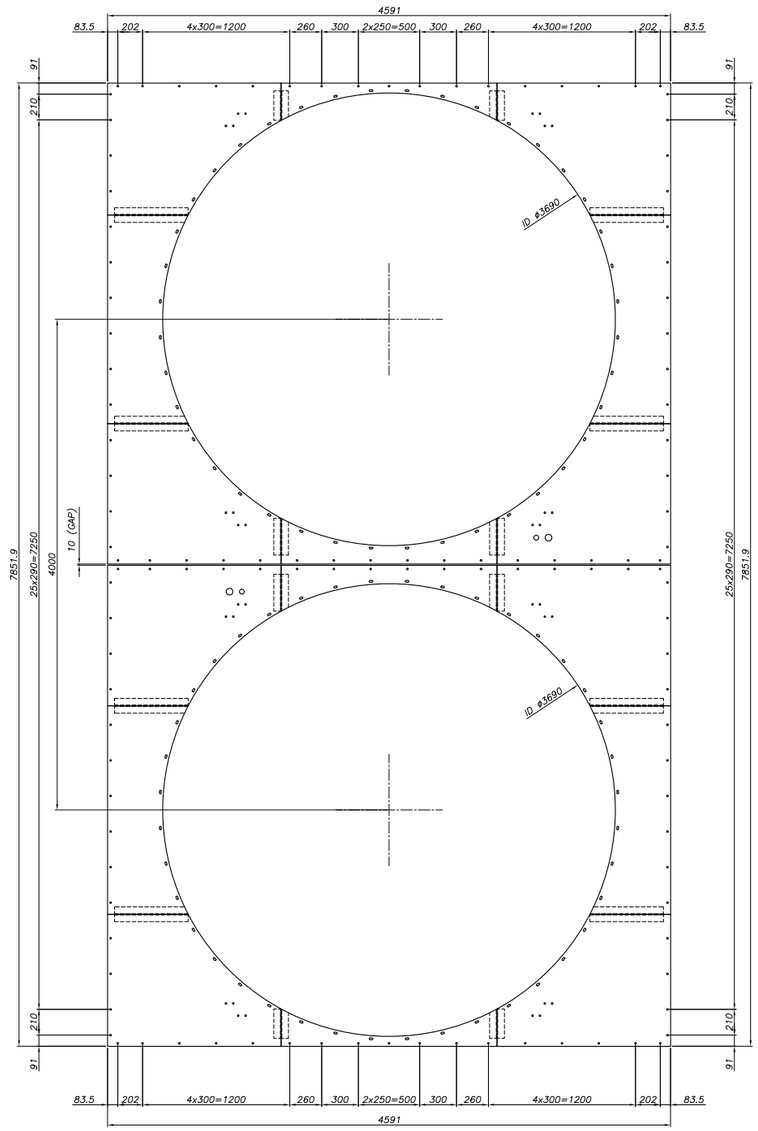
SCALE 1/40



VIEW H



VIEW Z



DECK ASSEMBLY

SCALE 1/50

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REV.	ISSUE DATE	DESCRIPTION	PREPARED BY	CHECKED BY	APPROVED BY	AUTHORIZED BY
00	25.JUL.2020	ISSUED FOR APPROVAL	M.SHAHPARAST	F.HAZRATI	F.MOHAMMADI	P.KARIMIZADEH

End User : PGPIC — Project NO : 141

Owner : Project NO : 23-13-2

PROJECT : BSPC UNIT 800 REHABILITATION & RENOVATION PROJECT

EPs CONTRACTOR : PETROCHEMICAL INDUSTRIES DESIGN & ENGINEERING COMPANY (PIDEC)

VENDOR : AAC — ABAN AIR COOLER — Vendor Project No.: 17179

TITLE : Plenum & Fan Ring Drawing AE-8002

SCALE :	OWNER PROJ. NO. :	PIDEC DWG. NO. :	REV.
AS SHOWN	23-13-2	VD-1228-253-DIS-001	00
SHEET : 6 OF 6	PIDEC PROJ. NO. : 1228	VENDOR DWG. NO. : VD-1228-253-DWG-006 / OWNER DWG. NO. : VD-253-DWG-006	SIZE : A3