



Project No.: 17201		<b>MATERIAL REQUISITION</b>	 <b>AAC</b> ABAN AIR-COOLER CO.
Req. No.: 1600/1			
Rev. No.: 0			
Preliminary	<input checked="" type="radio"/>	Code No.: QF-TE-02	ENGINEERING DEPARTMENT
			ERP : 146544
Final	<input type="radio"/>	Date & Rev.: 1393/09/10 - 4	SRD : 21.Dec.2022
			PAGE 1 OF 5


# MATERIAL REQUISITION FOR PLENUM & FAN RING

0	16.Oct.2022	ISSUE FOR PROCUREMENT	A.Shaterpour	F.Mohammadi	P.Karimizadeh
Rev.	Date	Description	Prepared	Checked	Approved

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			SRD : 21.Dec.2022
			PAGE 2 OF 5


### TABULATION OF REVISED PAGE

Page	Revisions							Remarks	Page	Revisions							Remarks
	0	1	2	3	4	5	6			0	1	2	3	4	5	6	
1	x								35								
2	x								36								
3	x								37								
4	x								38								
5	x								39								
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### 1- PURPOSE

The purpose of this document is to define vendor's scope of supply for **PLENUM & FAN RING** of air coolers .

### 2- DEFINITION

For the purpose of this material requisition, the following definitions shall apply:

Contractor: ABAN AIR COOLER (AAC)

Vendor: (to be defined)

### 3- LIST OF EQUIPMENT INQUIRED


ITEM NO.	TAG NUMBER	QTY.	DESCRIPTION	LOCATION
1	-	12	PLENUM AND FAN RING	Iran Ferrosilice Co.

### 4- APPLICABLE CODES & STANDARD

ASME Section II Part A for material designations, and ISO 13706 to be followed.

### 5- REQUIRED DOCUMENTATION

N/A

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			PAGE 5 OF 5

#### 6- SCOPE OF WORK , SUPPLY & SERVICES

POS	DESCRIPTION	MATERIAL	QTY.	Remarks
1	PLENUM	A36	12	Total Weight = <b>16260</b> Kg
2	FAN RING	A36	12	Total Weight = <b>4632</b> Kg

#### 7- SPARE PARTS

N/A

#### 8- DEVIATIONS/EXCEPTION/ALTERNATION FROM MATERIAL REQUISITION'S REQUIREMENTS

If any, shall be mentioned by vendor

#### 9- TECHNICAL NOTES

N/A

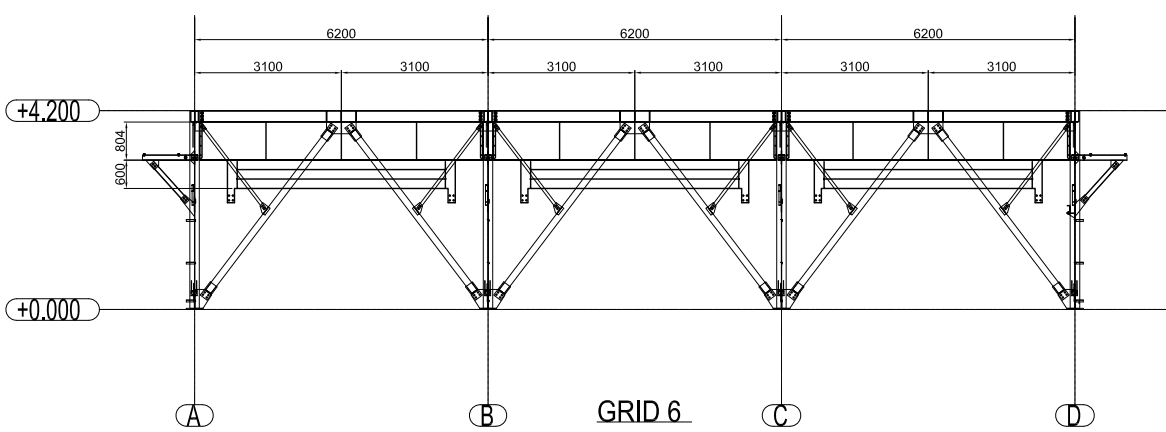
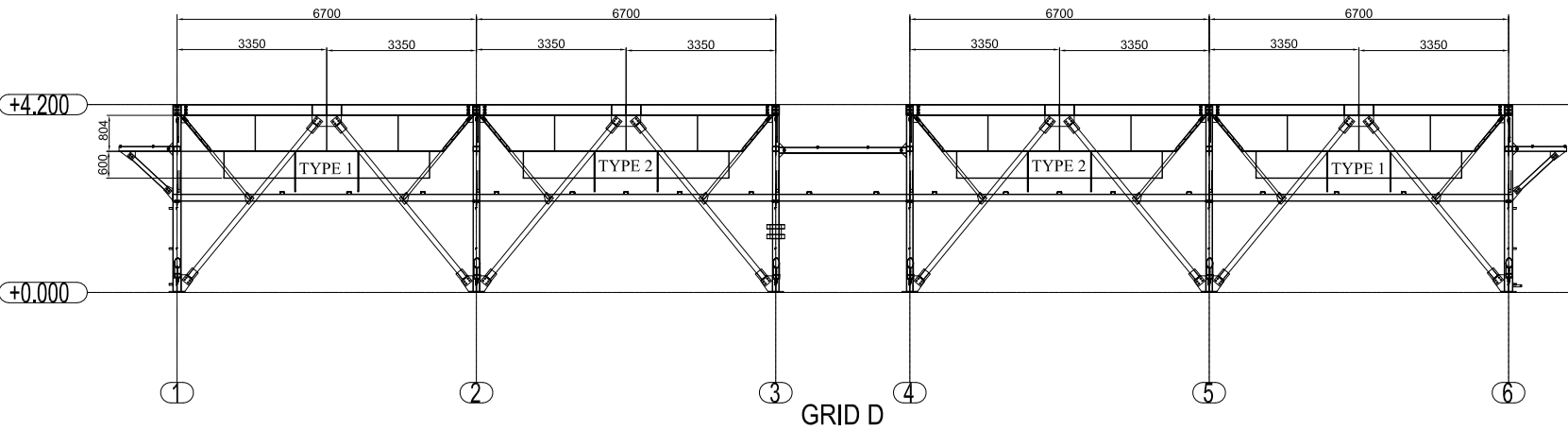
#### 10- ATTACHMENTS

Attached For information ☐

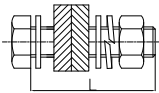
Attached is necessary ☒

DOCUMENT	REVISION	NO. OF SHEETS
VD-17201-ME-DWG-014-00	0	7

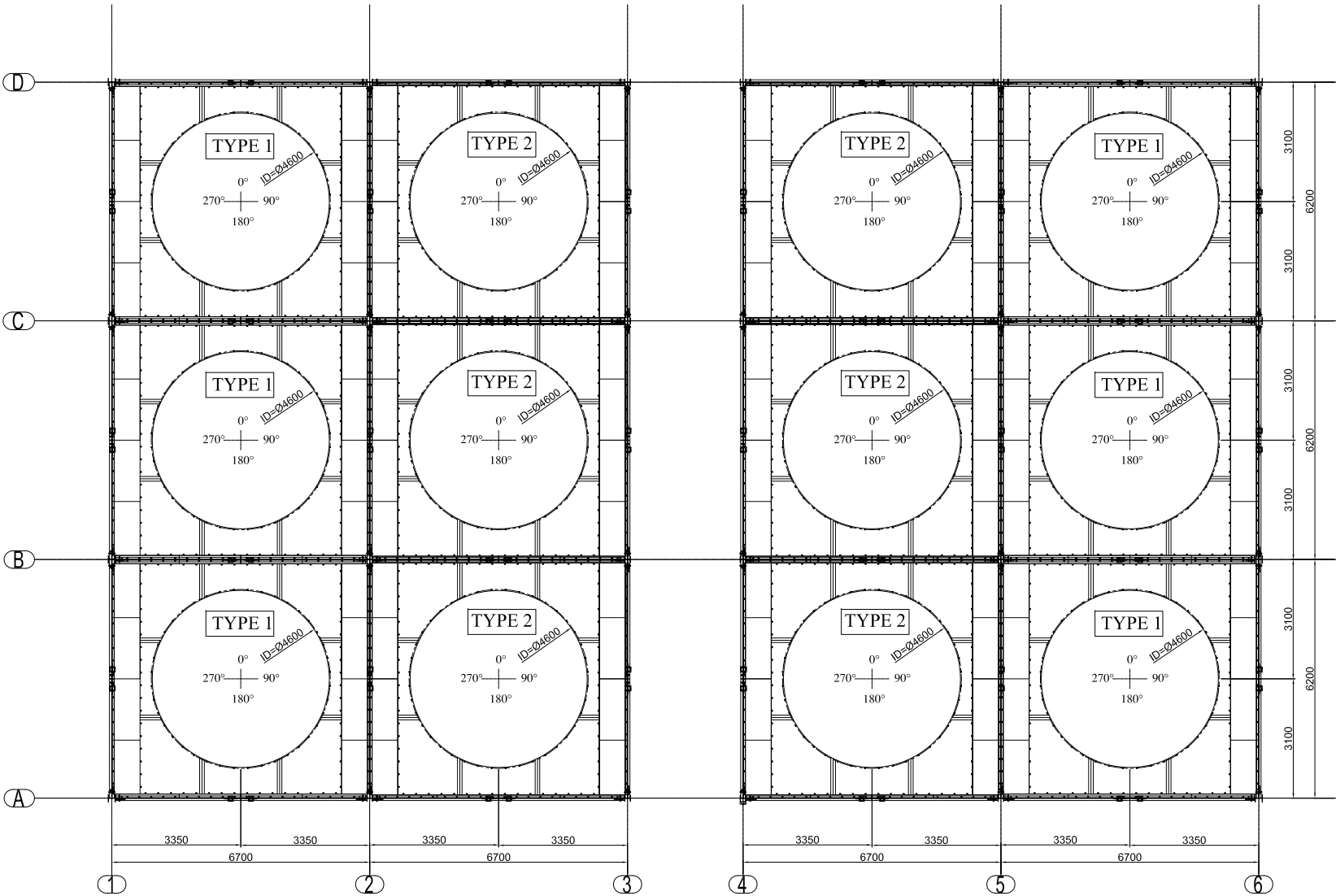
REFERENCE DRAWING	
TITLE	DWG.NO
General Arrangement Drawing	VD-17201-ME-DWG-009
Steel Structure Drawing	VD-17201-ME-DWG-012
Fan & Motor Support Drawing	VD-17201-ME-DWG-013
Fan Data Sheets	VD-17201-ME-DSH-002





1. ALL DIMENSIONS ARE IN mm EXCEPT SPECIFIED .
2. MARKING : 17201-PL-PART NO.
3. PAINTING ACCORDING TO:VD-17201-ME-PRC-027-00
4. BOLTING : DIN EN ISO 4017/ DIN EN ISO 4032
5. TWO FLAT WASHER : DIN 125
6. TOTAL REQUIRED QUANTITY FOR M12\*40=230(SETS/UNIT)  
M12\*50= 84(SETS/UNIT)
7. QUANTITY :  
TYPE1= 6 UNITS & TYPE2=6 UNITS  
TOTAL QUANTITY = 12 UNITS
8. PAY ATTENTION TO THE PLAN VIEW FOR INSTALL THE PLENUM
9. ALL BOLTS WHICH FASTEN PLENUM TO THE STRUCTURE SHALL BE M12\*50

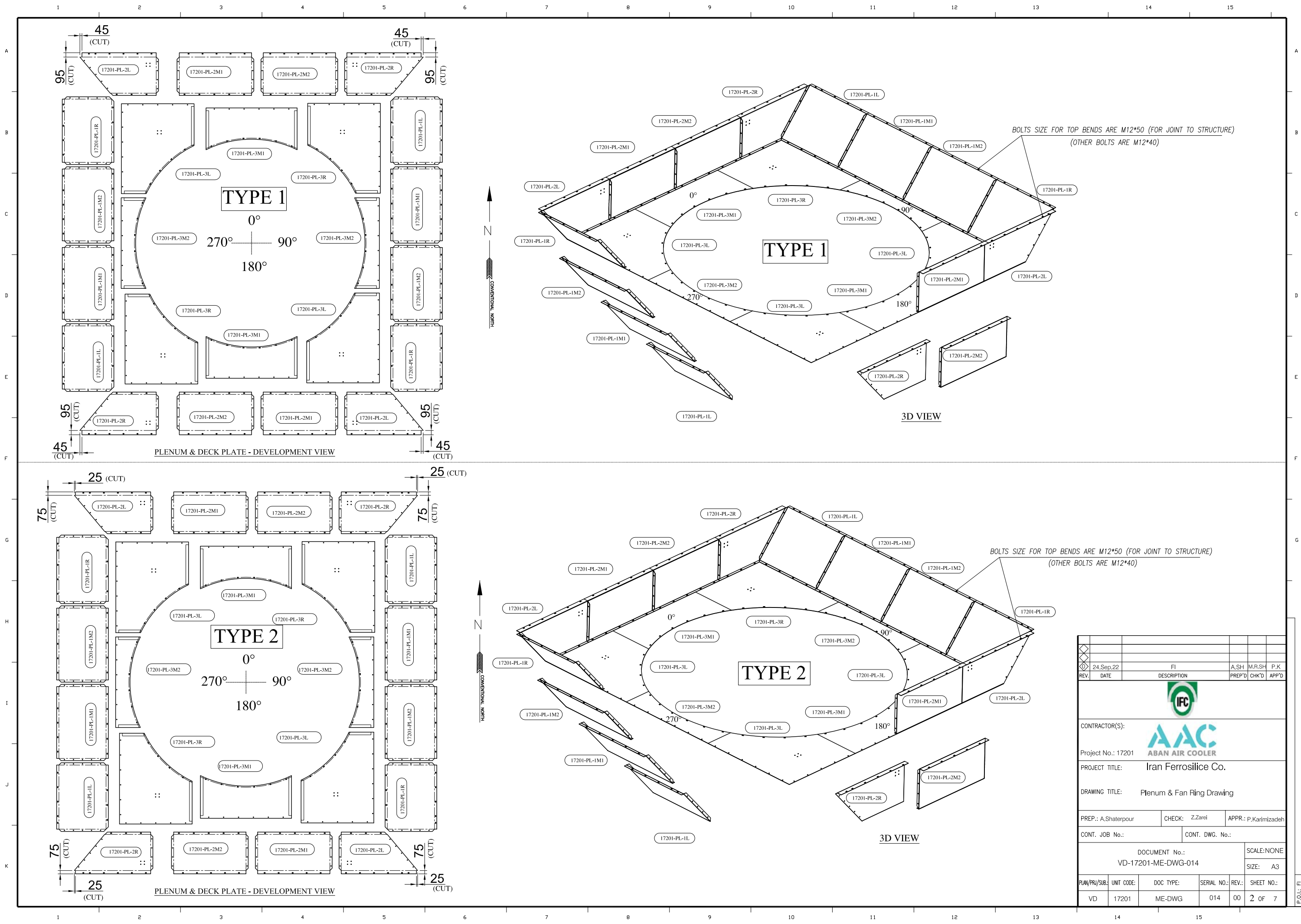




NOTE:  
FOR ALL ITEMS:  
ALL BOLTS SHOULD BE FASTENED WITH  
ONE NUT AND TWO FLAT WASHER AND ONE SPRING WASHER



PLAN +4.200

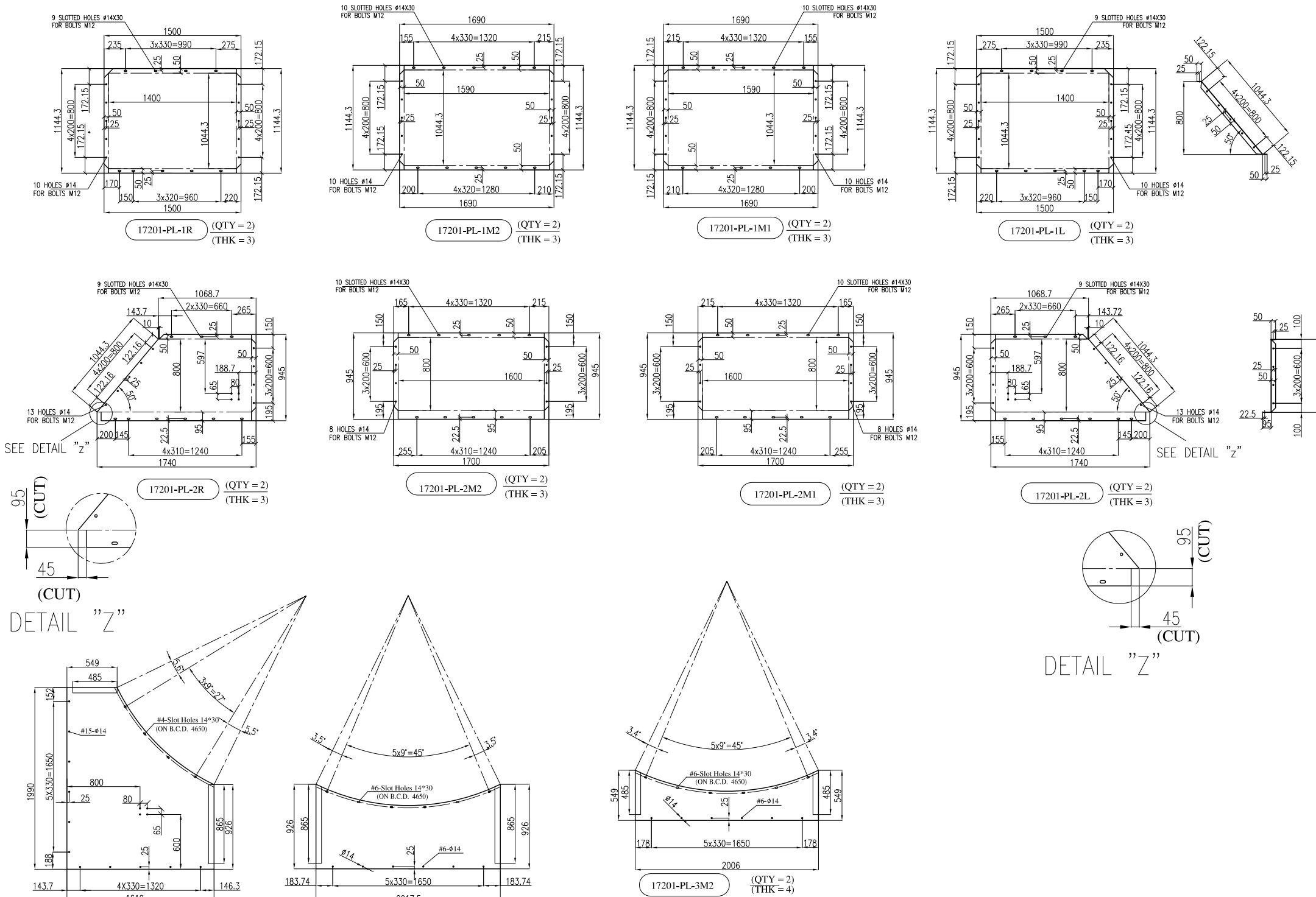
	24.Sep.22	FI	A.SH	M.R.SH	P.K
REV.	DATE	DESCRIPTION	PREP'D	CHK'D	APP'D
<div></div>					
CONTRACTOR(S):					
<div></div>					
Project No.: 17201					
PROJECT TITLE: Iran Ferrosilice Co.					
DRAWING TITLE: Plenum & Fan Ring Drawing					
PREP.: A.Shaterpour		CHECK: Z.Zarei	APPR.: P.Karimizadeh		
CONT. JOB No.:			CONT. DWG. No.:		
DOCUMENT No.:				SCALE: NONE	
VD-17201-ME-DWG-014				SIZE: A3	
PLAN/PRI/SUB:	UNIT CODE:	DOC TYPE:	SERIAL NO.:	REV.:	SHEET NO.:
VD	17201	ME-DWG	014	00	1 OF 7



	24.Sep.22	FI	A.SH	M.R.SH	P.K
REV.	DATE	DESCRIPTION	PREP'D	CHK'D	APP'D
<div><div></div><div> ABAN AIR COOLER</div></div>					
CONTRACTOR(S):					
Project No.: 17201					
PROJECT TITLE: Iran Ferrosilice Co.					
DRAWING TITLE: Plenum & Fan Ring Drawing					
PREP.: A.Shaterpour		CHECK: Z.Zarei	APPR.: P.Karimizadeh		
CONT. JOB No.:		CONT. DWG. No.:			
DOCUMENT No.: VD-17201-ME-DWG-014				SCALE: NONE	
				SIZE: A3	
PLAN/PRI/SUB:	UNIT CODE:	DOC TYPE:	SERIAL NO.:	REV.:	SHEET NO.:
VD	17201	ME-DWG	014	00	2 of 7

# TYPE 1

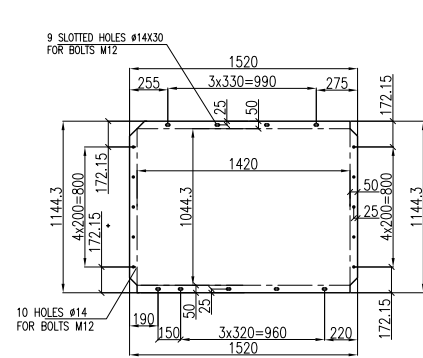
PART LIST FOR ONE UNIT PLENUM 17201- TYPE 1						
NO	DIMENSION	MATERIAL	QTY	U.WEIGHT	T.WEIGHT	MARKING
1L	1500*1144.3*3	A36	2	40.5	81	17201-PL-1L
1R	1500*1144.3*3	A36	2	40.5	81	17201-PL-1R
1M1	1690*1144.3*3	A36	2	45.5	91	17201-PL-1M1
1M2	1690*1144.3*3	A36	2	45.5	91	17201-PL-1M2
2L	1740*945*3	A36	2	39	78	17201-PL-2L
2R	1740*945*3	A36	2	39	78	17201-PL-2R
2M1	1700*945*3	A36	2	38	76	17201-PL-2M1
2M2	1700*945*3	A36	2	38	76	17201-PL-2M2
3L	1990*1610*4	A36	2	101	202	17201-PL-3L
3R	1990*1610*4	A36	2	101	202	17201-PL-3R
3M1	2017.5*926*4	A36	2	59	118	17201-PL-3M1
3M2	2006*549*4	A36	2	34.5	69	17201-PL-3M2
4	150*150*8	A36	8	2	16	
5	L80*80*8-L946	A36	4	9	36	
6	L60*60*6-L 846	A36	8	4.5	36	
7	L60*60*6-L 485	A36	8	2.5	20	
8	M12*40	A325	214			
9	M12*50	A325	84			
				T.WEIGHT(kg)	1351	



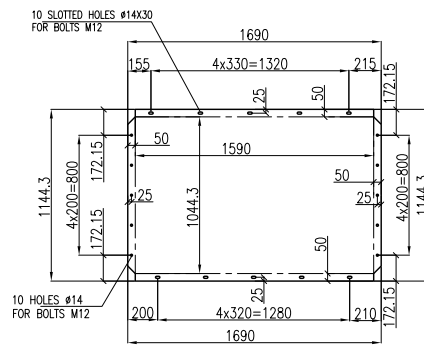
	24.Sep.22	FI	A.SH	M.R.SH	P.K
REV.	DATE	DESCRIPTION	PREP'D	CHK'D	APP'D
<div></div>					
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<div> ABAN AIR COOLER</div>					
Project No.: 17201					
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DRAWING TITLE: Plenum & Fan Ring Drawing					
PREP.: A.Shaterpour		CHECK: Z.Zarei	APPR.: P.Karimizadeh		
CONT. JOB No.:			CONT. DWG. No.:		
DOCUMENT No.: VD-17201-ME-DWG-014				SCALE: NONE	
				SIZE: A3	
PLAN/PRJ/SUB:	UNIT CODE:	DOC TYPE:	SERIAL NO.:	REV.:	SHEET NO.:
VD	17201	ME-DWG	014	00	3 OF 7



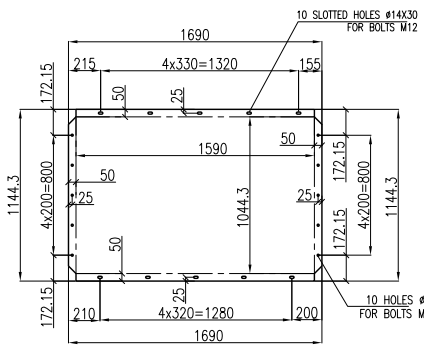
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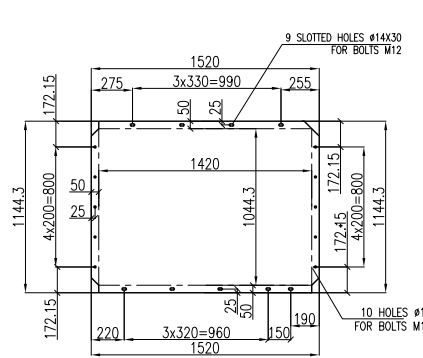
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(THK = 3)



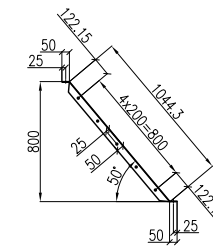
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(THK = 3)



17201-PL-1M1 (QTY = 2)  
(THK = 3)

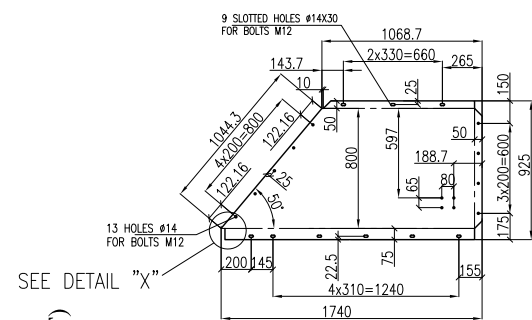


17201-PL-1L (QTY = 2)  
(THK = 3)

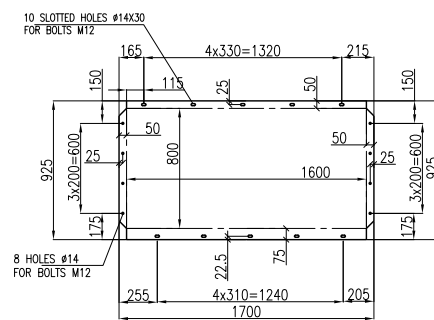


NO	DIMENSION	MATERIAL	QTY	U.WEIGHT	T.WEIGHT	MARKING
1L	1520*1144.3*3	A36	2	41	82	17201-PL-1L
1R	1520*1144.3*3	A36	2	41	82	17201-PL-1R
1M1	1690*1144.3*3	A36	2	45.5	91	17201-PL-1M1
1M2	1690*1144.3*3	A36	2	45.5	91	17201-PL-1M2
2L	1740*925*3	A36	2	38	76	17201-PL-2L
2R	1740*925*3	A36	2	38	76	17201-PL-2R
2M1	1700*925*3	A36	2	37	74	17201-PL-2M1
2M2	1700*925*3	A36	2	37	74	17201-PL-2M2
3L	2010*1610*4	A36	2	102	204	17201-PL-3L
3R	2010*1610*4	A36	2	102	204	17201-PL-3R
3M1	2017.5*946*4	A36	2	60	120	17201-PL-3M1
3M2	2006*549*4	A36	2	34.5	69	17201-PL-3M2
4	150*150*8	A36	8	2	16	
5	L80*80*8-L946	A36	4	9	36	
6	L60*60*6-L 885	A36	8	5	40	
7	L60*60*6-L 485	A36	8	2.5	20	
8	M12*40	A325	214			
9	M12*50	A325	84			

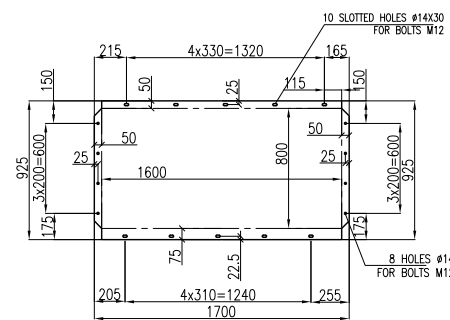
T.WEIGHT(kg)	1355
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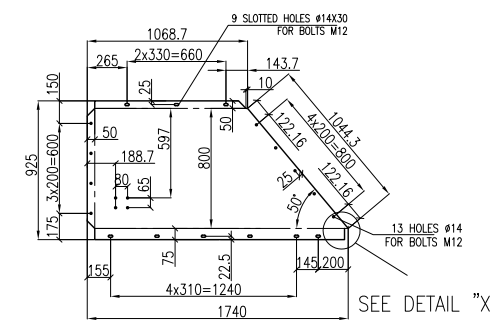
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(THK = 3)



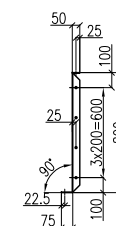
17201-PL-2M2  $\frac{(QTY = 2)}{(THK = 3)}$



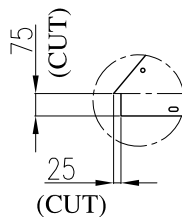
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(THK = 3)



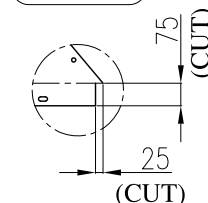
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(THK = 3) (17201-PL-2L



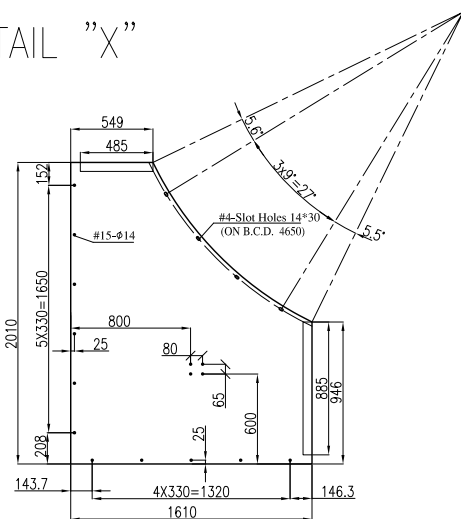
SEE DETAIL "X"



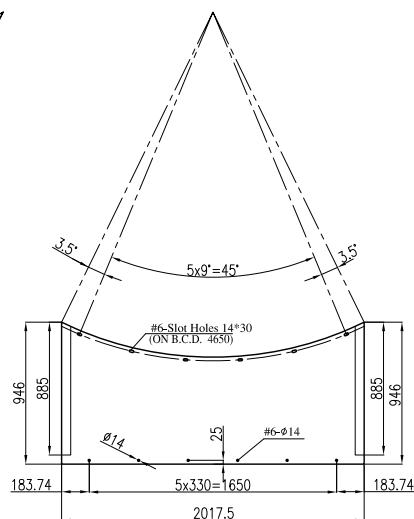
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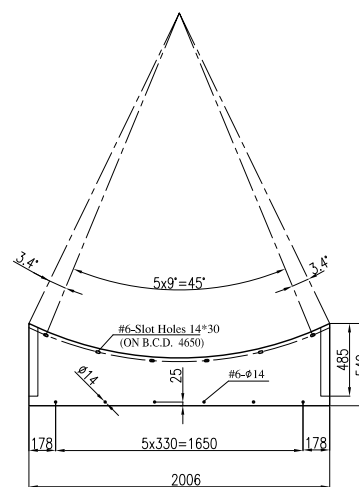
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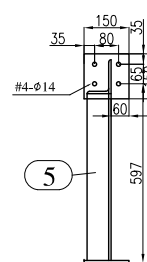
(ACC. TO VIEW SHOWN)	17201-PL-3L	(QTY = 2) (THK = 4)
(ACC. TO MIRRORED VIEW)	17201-PL-3R	(QTY = 2) (THK = 4)



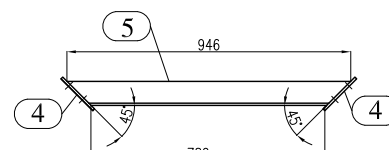
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(THK = 4)



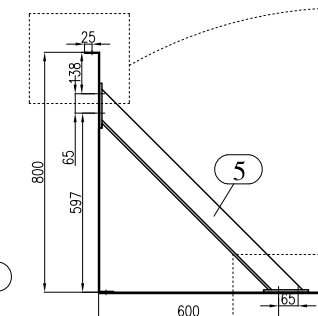
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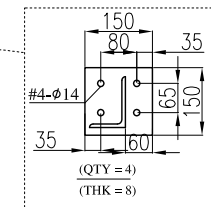
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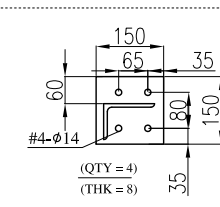
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SEE DETAIL E







DETAIL C

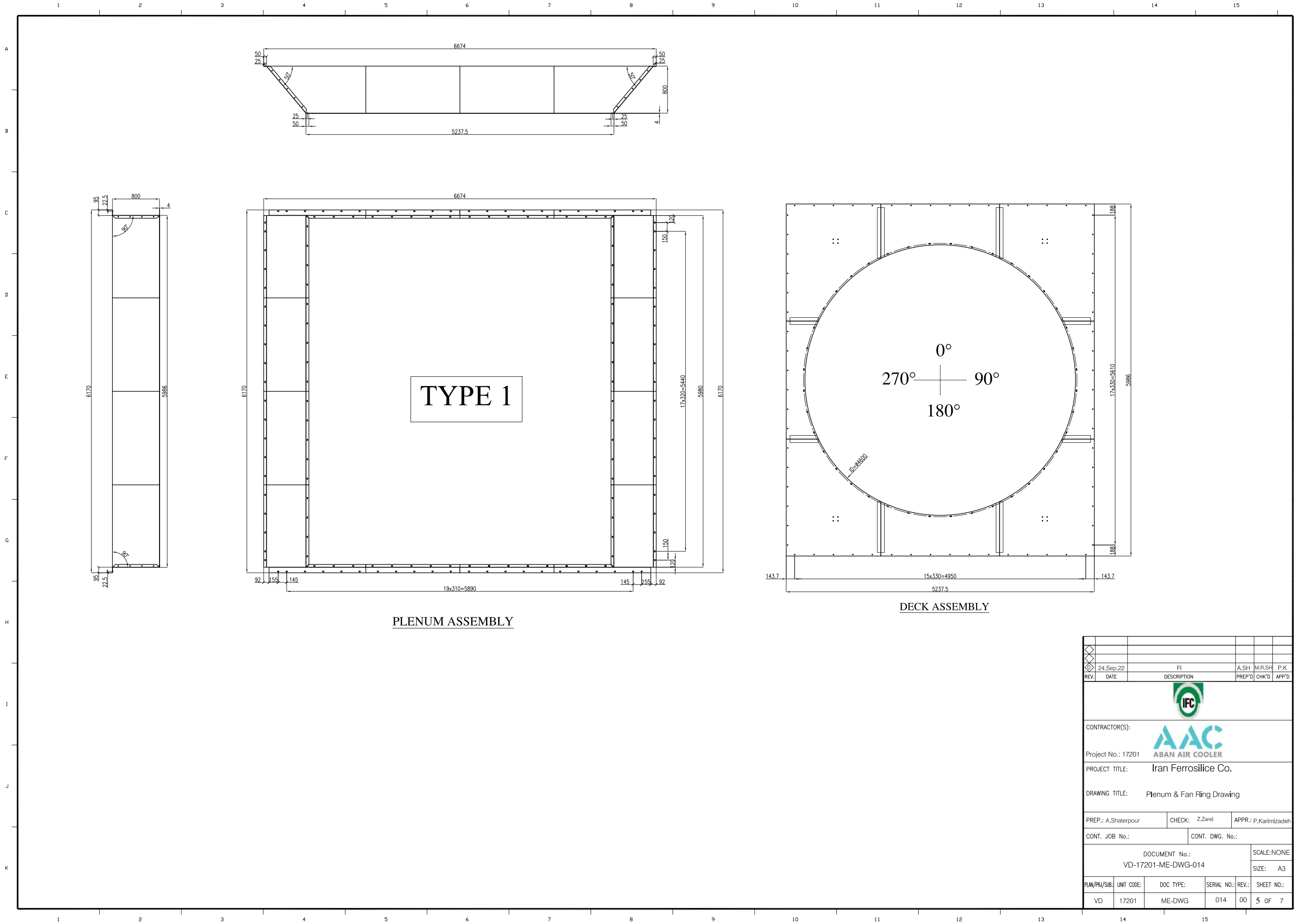


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DETAIL B

							
	24_Sep_22	FI	A_SH	M.R.SH	P.K		
REV.	DATE	DESCRIPTION	PREP'D	CHK'D	APP'D		
							
CONTRACTOR(S): 							
Project No.: 17201							
PROJECT TITLE: Iran Ferrosilice Co.							
DRAWING TITLE: Plenum & Fan Ring Drawing							
PREP.: A.Shaterpour		CHECK: Z.Zarei		APPR.: P.Karimizadeh			
CONT. JOB No.:			CONT. DWG. No.:				
DOCUMENT No.: VD-17201-ME-DWG-014						SCALE: NONE	
						SIZE: A3	
PLAN/PRJ/SUB:	UNIT CODE:	DOC TYPE:	SERIAL No.:	REV.:	SHEET No.:		
VD	17201	ME-DWG	014	00	4 OF 7		

P.O.L.: FI



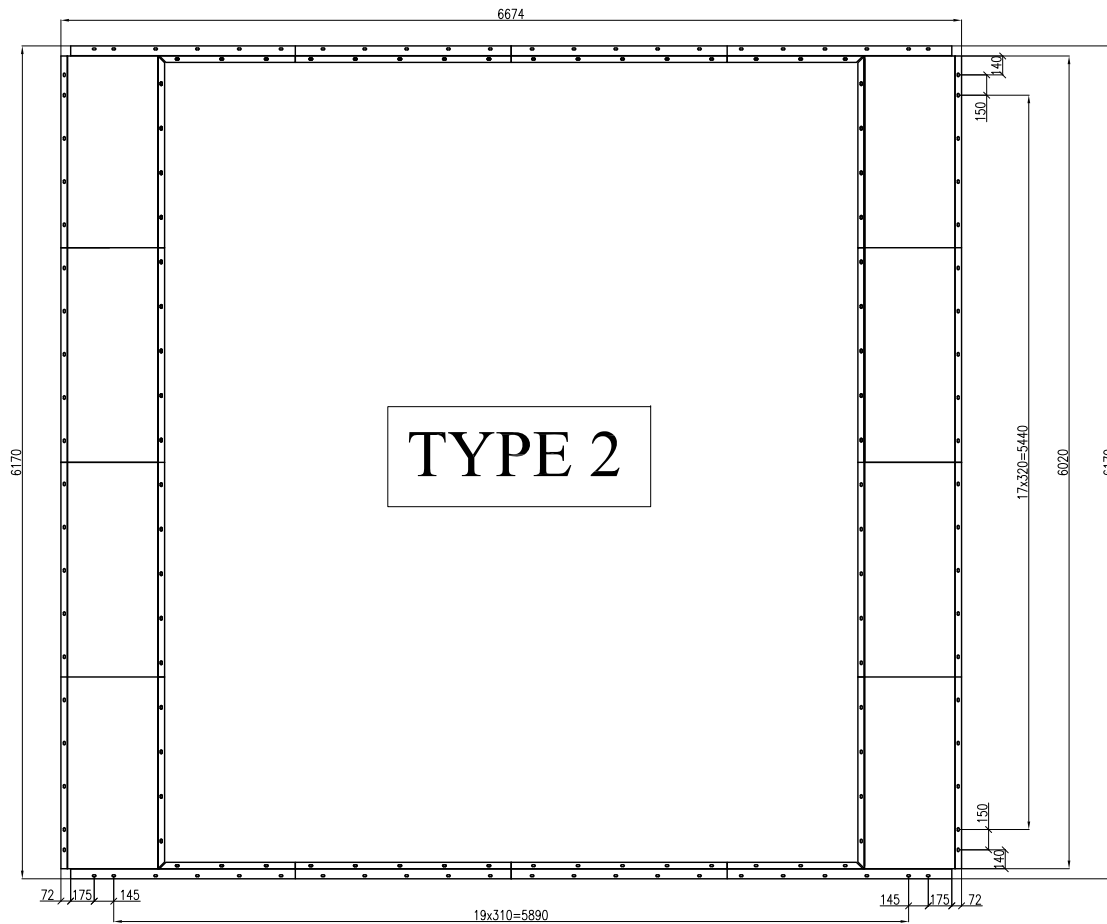
TYPE 1

PLENUM ASSEMBLY

DECK ASSEMBLY

◊					
◊					
◊	24.Sep.22	FI	A.SH	M.R.SH	P.K
REV.	DATE	DESCRIPTION	PREP'D	CHK'D	APP'D
<div><div><div><div></div><div>IFC</div><div></div></div><div><div>AAC</div><div>ABAN AIR COOLER</div></div></div><div>CONTRACTOR(S):</div><div>Project No.: 17201</div><div>PROJECT TITLE: Iran Ferrosilice Co.</div><div>DRAWING TITLE: Plenum &amp; Fan Ring Drawing</div><div>PREP.: A.Shaterpour</div><div>CHECK: Z.Zarei</div><div>APPR.: P.Karimizadeh</div><div>CONT. JOB No.:</div><div>CONT. DWG. No.:</div><div>DOCUMENT No.: VD-17201-ME-DWG-014</div><div>SCALE: NONE</div><div>SIZE: A3</div><div>PLAN/PRI/SUB.: UNIT CODE: DOC TYPE: SERIAL NO.: REV.: SHEET NO.:</div><div>VD 17201 ME-DWG 014 00 5 OF 7</div></div>					

P.O.L.: FI



Technical drawing of a circular table top. The drawing shows a circle with a diameter of 4600, indicated by a dimension line and the text "D=4600". The circle is centered within a square frame. The square frame has a total width of 5237.5 and a total height of 208. The distance from the center of the circle to the left and right edges of the square frame is 143.7. The distance from the center of the circle to the top and bottom edges of the square frame is 17x330=5610. The angles 0°, 90°, 180°, and 270° are marked at the center of the circle. The drawing also shows a dashed line representing the circle's outline and a solid line representing the table top's edge. The table top is shown with a thickness of 15x330=4950. The drawing is a technical drawing of a circular table top, showing the circle's diameter, the square frame's dimensions, and the angles at the center.

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