

2D CAD drawing

TCPH_CRYOPUMP_FLANGES_DET

TCPH_CRYOPUMP_FLANGES_DET

Approval Process			
	Name	Action	Affiliation
Author	Vauquelin J.	24 May 2018:signed	IO/DG/COO/CIO/DO/CAD
Co-Authors			
Reviewers	Beaudoire S.	30 May 2018:recommended	IO/DG/COO/CIO/DO/CAD
	Bhardwaj A.	28 May 2018:recommended	IO/DG/COO/CST/TAD/ICA
	Dremel M.	25 May 2018:recommended	IO/DG/COO/PED/FCED/VS
	Dube V.	25 May 2018:recommended	IO/DG/COO/CST/TAD/ICA
	More V.	(Fast Track)	IO/DG/COO/CST/TAD/ICA
		29 May 2018:recommended	
Approver	Petit P.	31 May 2018:approved	IO/DG/COO/CST/TAD/ICA
Document Security: Internal Use			
RO: Bhardwaj Anil			
Read Access	LG: TCPH task force team, LG: Cryostat IO team, AD: ITER, AD: External Collaborators, AD: IO_Director-General, AD: EMAB, AD: Auditors, AD: ITER Management Assessor, project administrator, RO, GG: CEA Decommissioning Experts, LG: TCPH FDR - Add Rights, LG: CAD , AD: DA-IN, LG: Section Scheduling, LG:...		

<i>Change Log</i>			
TCPH_CRYOPUMP_FLANGES_DET (Q3W4VC)			
<i>Version</i>	<i>Latest Status</i>	<i>Issue Date</i>	<i>Description of Change</i>
v1.0	Signed	16 Sep 2014	
v1.1	Signed	05 Dec 2014	Design improvement for Cryopump interface
v1.2	Approved	29 Mar 2017	Update of the Pump interface definition. Addition of tolerances
v1.3	Revision Required	03 Apr 2018	DR-34: Removal of a Diagnostic penetration DR-35: Addition of the TCPH Type D for the Port 12.
v1.4	Approved	24 May 2018	- CHANGE OF THE NUMBER OF HOLES FROM 30 TO 60. - ADDITION OF FLATNESS AND OF THE ROUGHNESS DEFINITION FOR THE DATUM A

ITER ID_Q3W4VC v1.4		2		3		4		5		6		7		8	
A 															

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Spacereservation for the banner

A

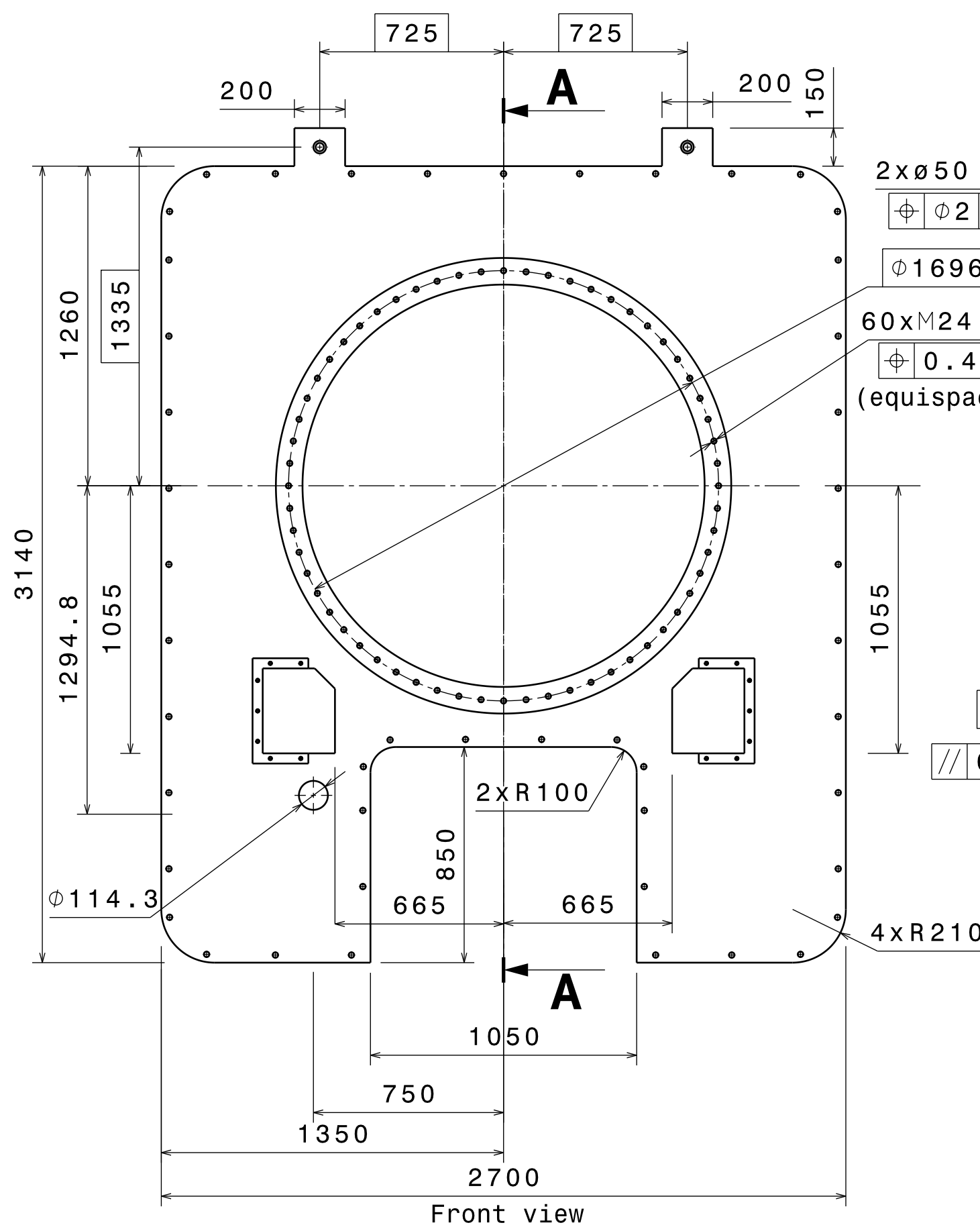
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- Notes:
1. Sealing Face must be free from scratches across lay
 2. Protect Sealing Face after manufacture by a temporary clean 5mm thick aluminium disc bolted with M24.
 3. The machining of the Sealing Face shall follow the circumferential lay of the seal.
 4. Drilling of holes shall not damage the Sealing Face.
 5. ISO 2768 - mK tolerances apply for this sheet unless more stringent tolerances are specified. ISO 13920-BF to apply for welded parts.

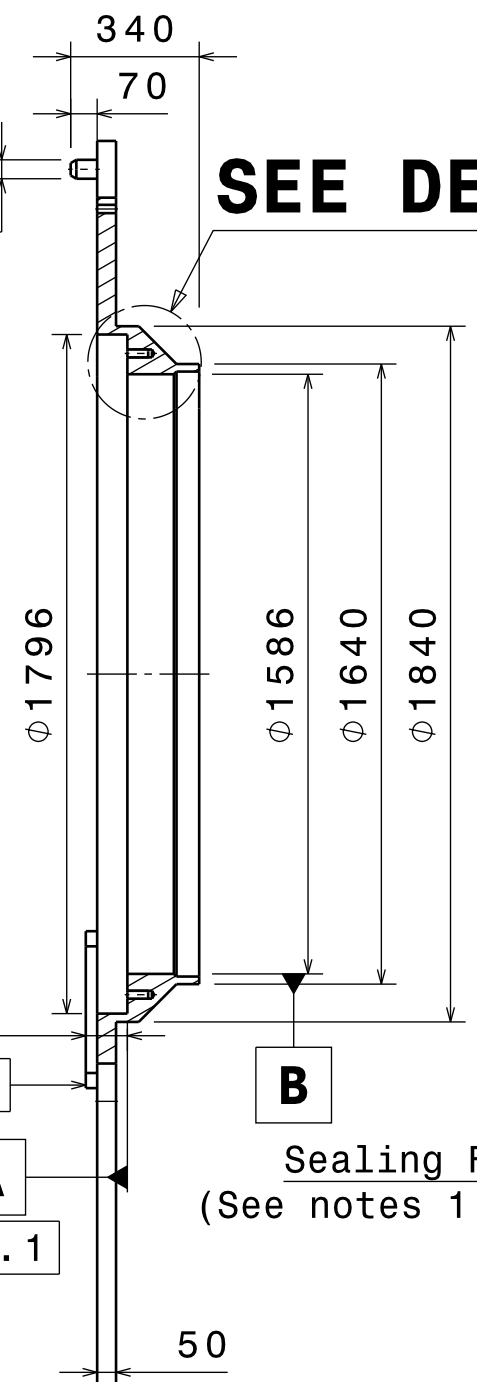
SEE DETAIL B

2xØ50 f7 (E)
Ø2 A B

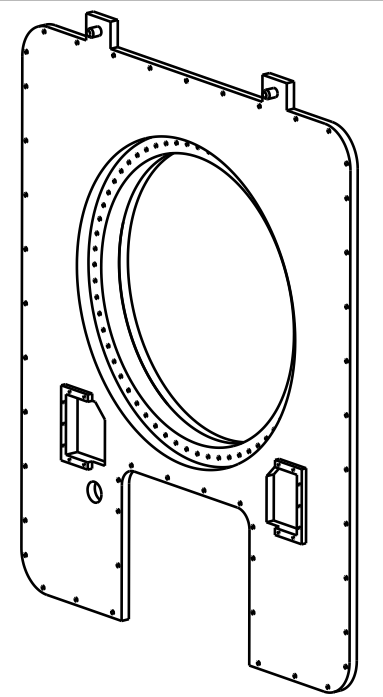
Ø1696
60xM24 - 6H
Ø0.4 B
(equispaced)

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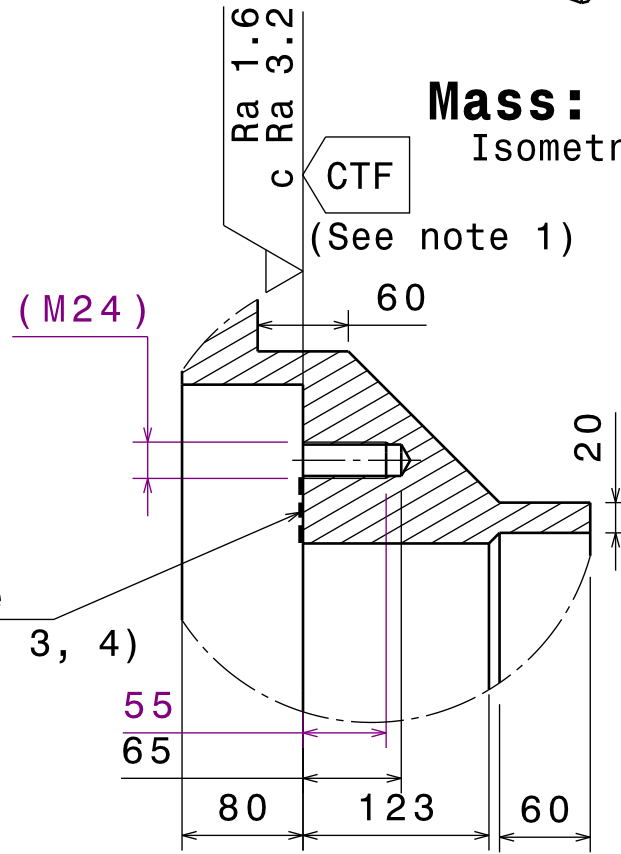
4xR210





Section view A-A

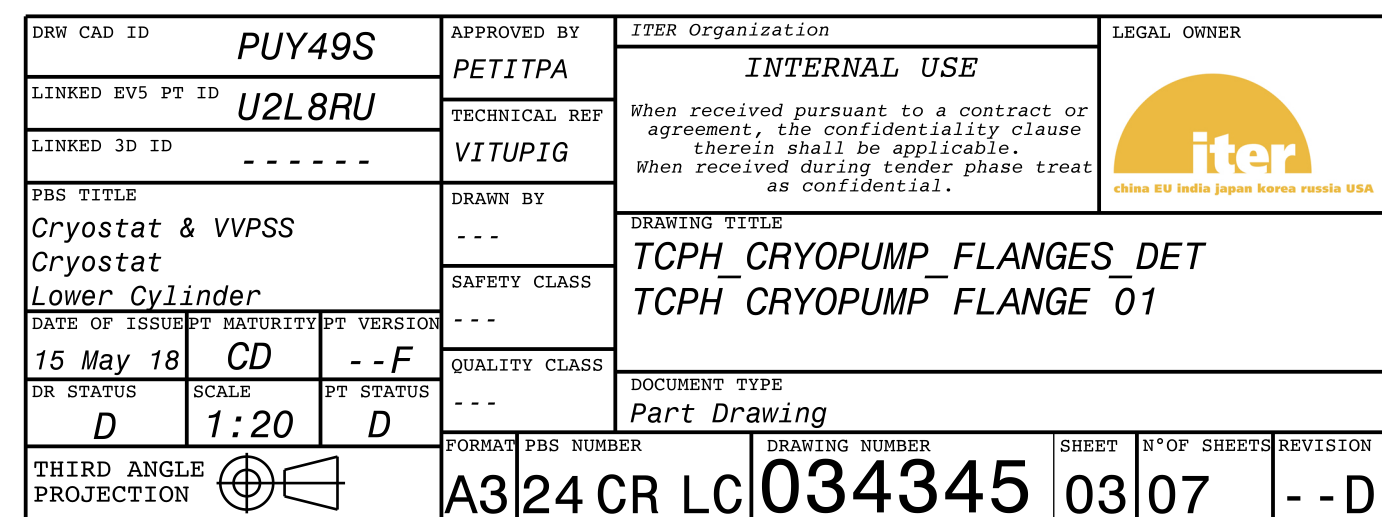


Mass: 2582 kg
Isometric view



Detail B
Scale: 1:5

DRW CAD ID			APPROVED BY			ITER Organization			LEGAL OWNER					
PUY49S			PETITPA			INTERNAL USE			<div> china EU india japan korea russia USA</div>					
LINKED EV5 PT ID			U2L8RU											
LINKED 3D ID			VITUPIG											
PBS TITLE			DRAWN BY			DRAWING TITLE								
Cryostat & VVPSS			---			TCPH_CRYOPUMP_FLANGES_DET								
Cryostat			SAFETY CLASS			TCPH_CRYOPUMP_FLANGE_01								
Lower Cylinder			---											
DATE OF ISSUE		PT MATURITY	PT VERSION		QUALITY CLASS									
15 May 18		CD	--F											
DR STATUS		SCALE	PT STATUS		DOCUMENT TYPE									
D		1:20	D		Part Drawing									
<div>THIRD ANGLE PROJECTION</div>			FORMAT	PBS NUMBER			DRAWING NUMBER			SHEET	N°OF SHEETS	REVISION		
			A3			24 CR LC			034345			02	07	--D



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A

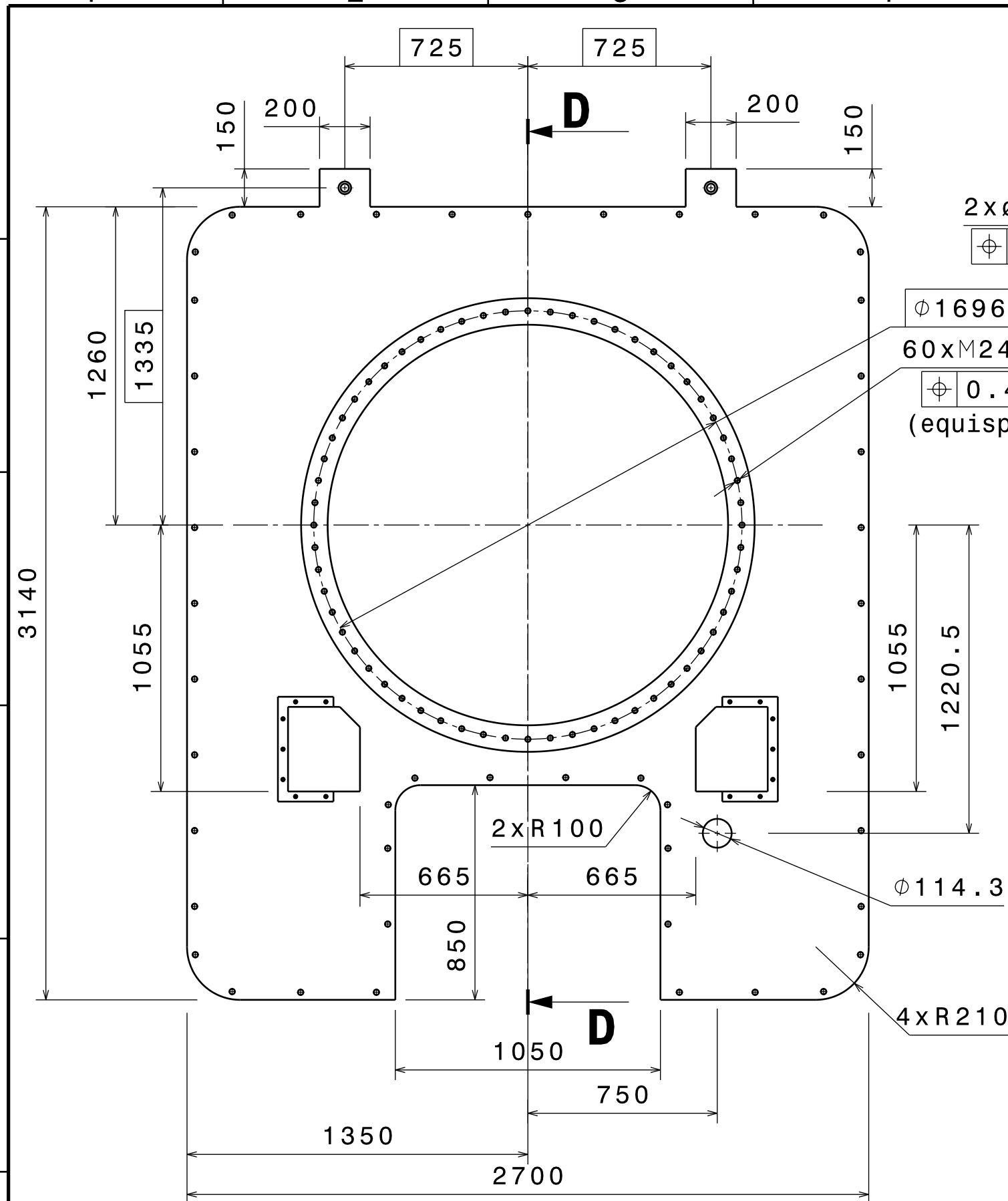
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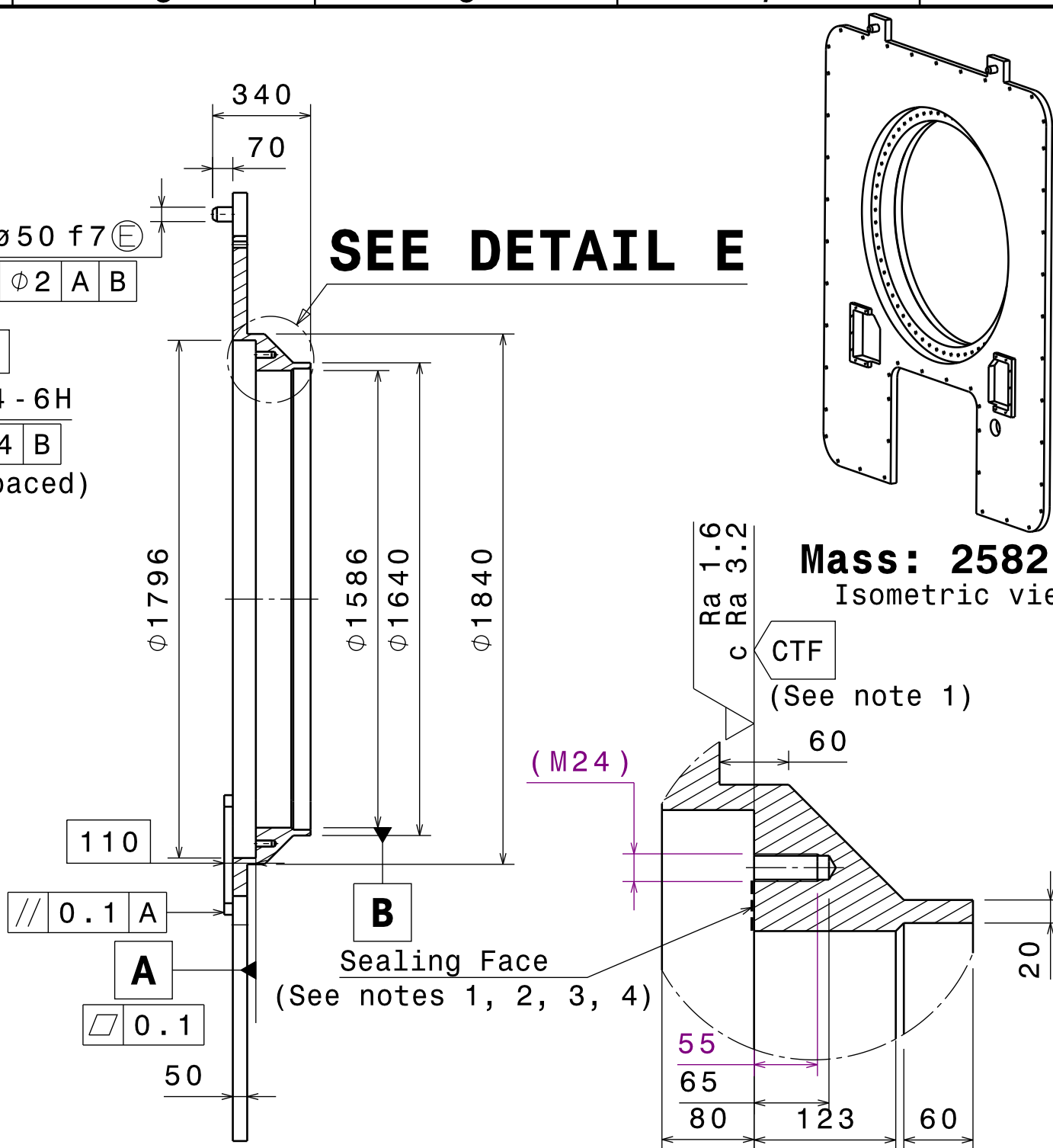
E

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Front view

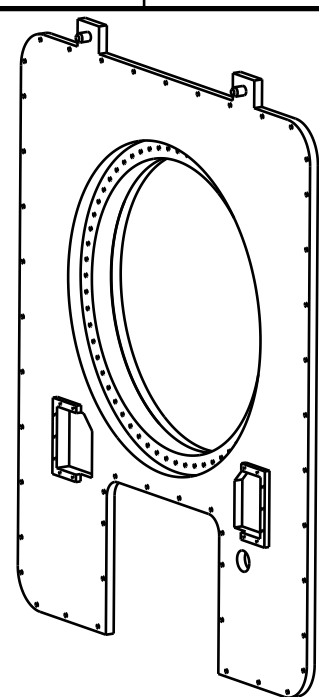
- Notes:
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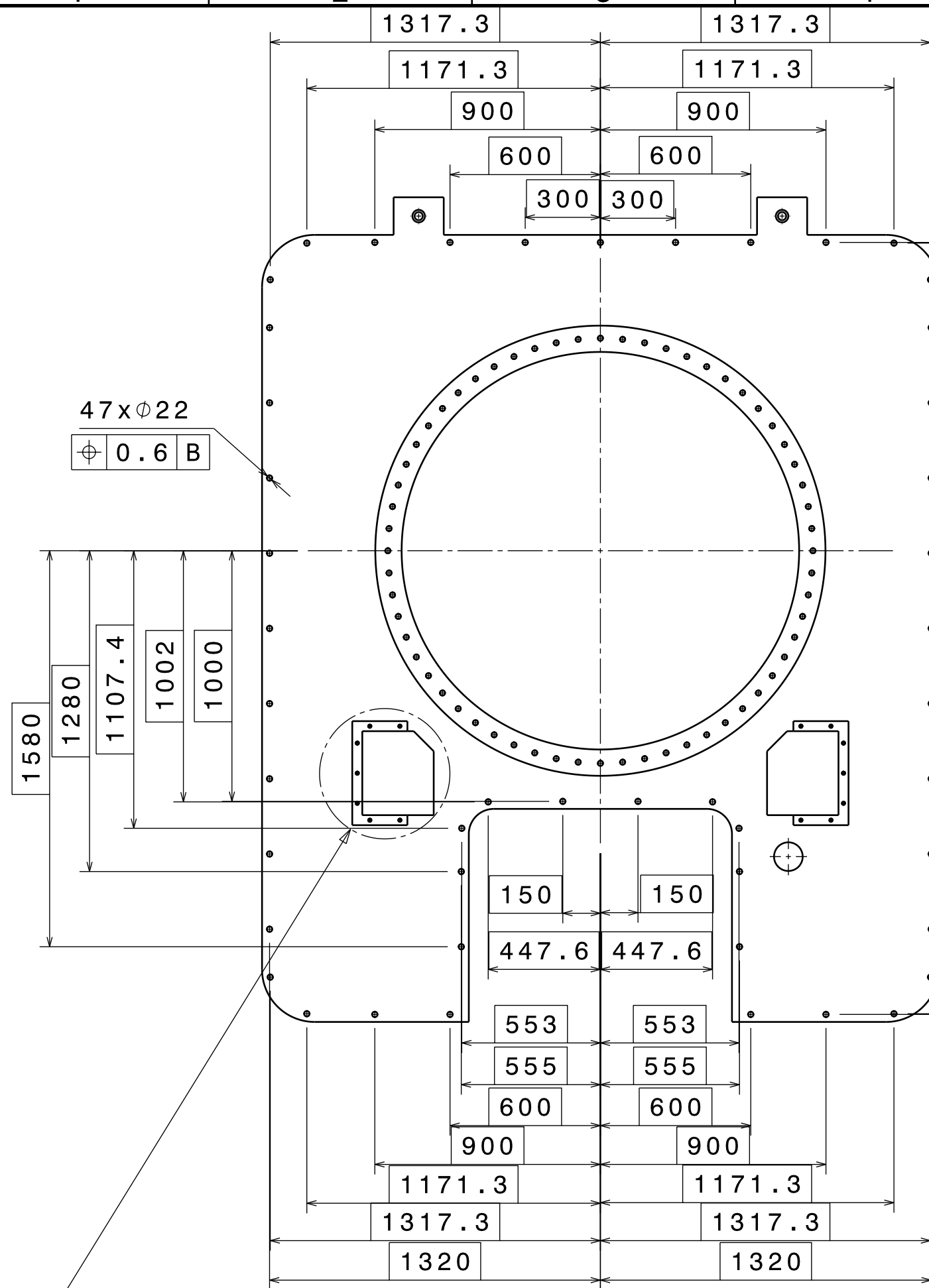
Section view D-D

Detail E
Scale: 1:5

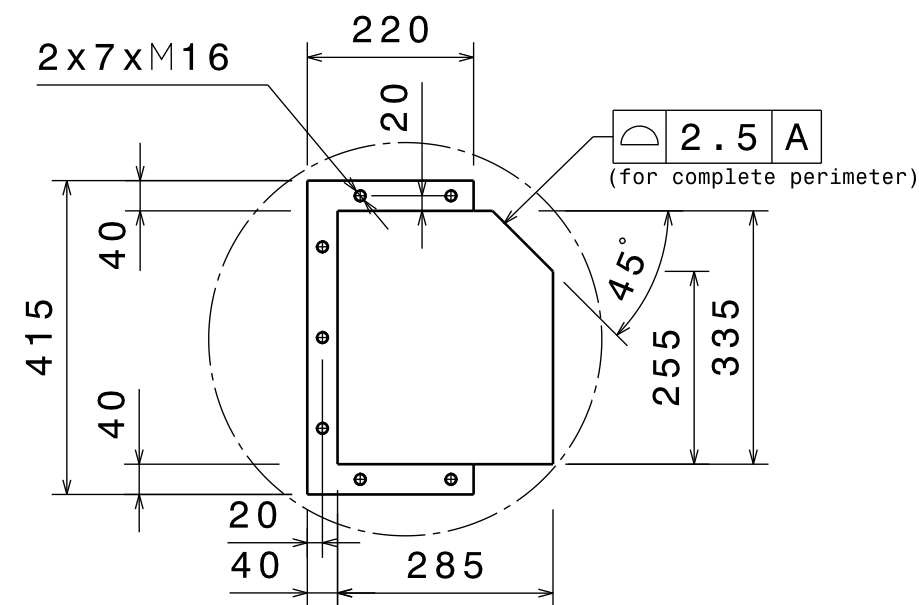
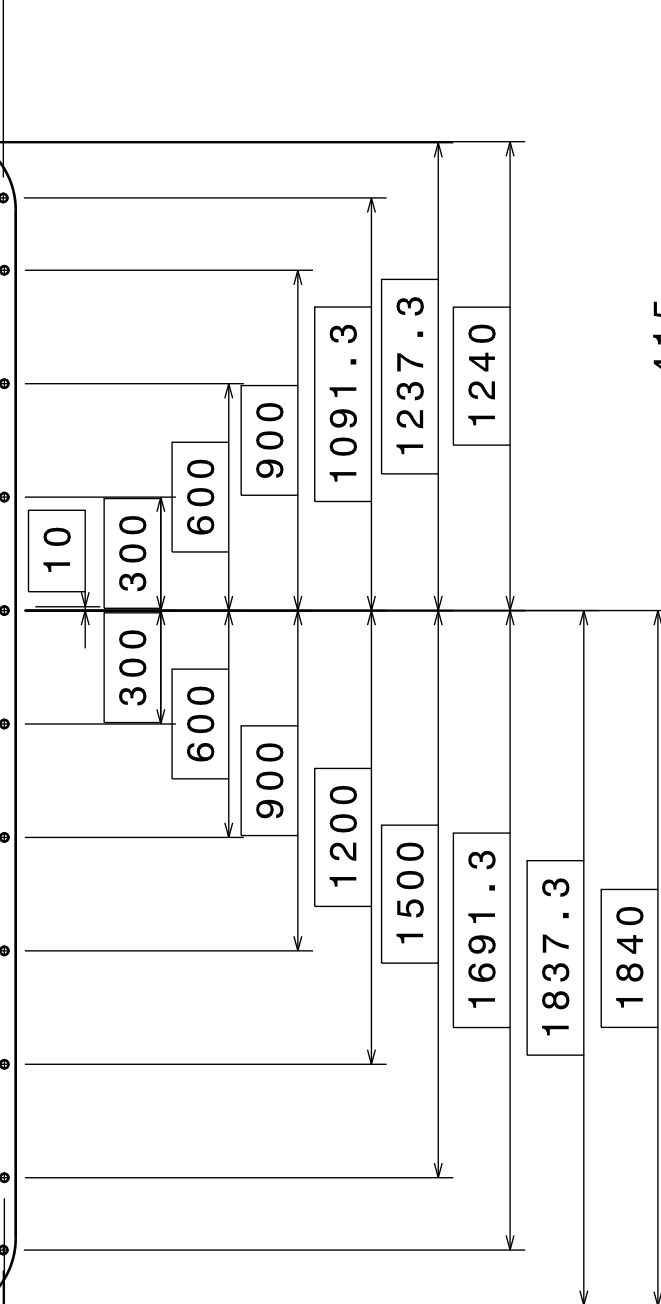
Mass: 2582 kg
Isometric view





DRW CAD ID PUY49S			APPROVED BY PETITPA		ITER Organization INTERNAL USE			LEGAL OWNER  china EU india japan korea russia USA				
LINKED EV5 PT ID U2L8RU			TECHNICAL REF VITUPIG		When received pursuant to a contract or agreement, the confidentiality clause therein shall be applicable. When received during tender phase treat as confidential.							
LINKED 3D ID - - - - -			DRAWN BY - - -		DRAWING TITLE TCPH_CRYOPUMP_FLANGES_DET TCPH_CRYOPUMP_FLANGE_02							
PBS TITLE Cryostat & VVPSS Cryostat Lower Cylinder			SAFETY CLASS - - -									
DATE OF ISSUE 15 May 18			PT MATURITY CD								PT VERSION - - F	
DR STATUS D			SCALE 1:20		PT STATUS D		QUALITY CLASS - - -			DOCUMENT TYPE Part Drawing		
THIRD ANGLE PROJECTION 			FORMAT A3		PBS NUMBER 24 CR LC		DRAWING NUMBER 034345		SHEET 04	N°OF SHEETS 07	REVISION - - D	



SEE DETAIL F



Detail F
Scale: 1:10

DRW CAD ID			PUY49S			APPROVED BY			ITER Organization			LEGAL OWNER		
LINKED EV5 PT ID			U2L8RU			PETITPA			<div>INTERNAL USE</div> <div>When received pursuant to a contract or agreement, the confidentiality clause therein shall be applicable.</div> <div>When received during tender phase treat as confidential.</div> <div>  </div>					
LINKED 3D ID			- - - - -			TECHNICAL REF								
PBS TITLE						DRAWN BY			<div>DRAWING TITLE</div> <div>TCPH_CRYOPUMP_FLANGES_DET</div> <div>TCPH_CRYOPUMP_FLANGE_02</div>					
Cryostat & VVPSS						---								
Cryostat						SAFETY CLASS			<div>QUALITY CLASS</div> <div>---</div>					
Lower Cylinder						---								
DATE OF ISSUE		PT MATURITY		PT VERSION		QUALITY CLASS			<div>DOCUMENT TYPE</div> <div>Part Drawing</div>					
15 May 18		CD		--F		---								
DR STATUS		SCALE		PT STATUS		---			<div>FORMAT</div> <div>A3</div>					
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THIRD ANGLE PROJECTION						PBS NUMBER			DRAWING NUMBER			SHEET		
						A3			24 CR LC			034345		
						05			07			- - D		

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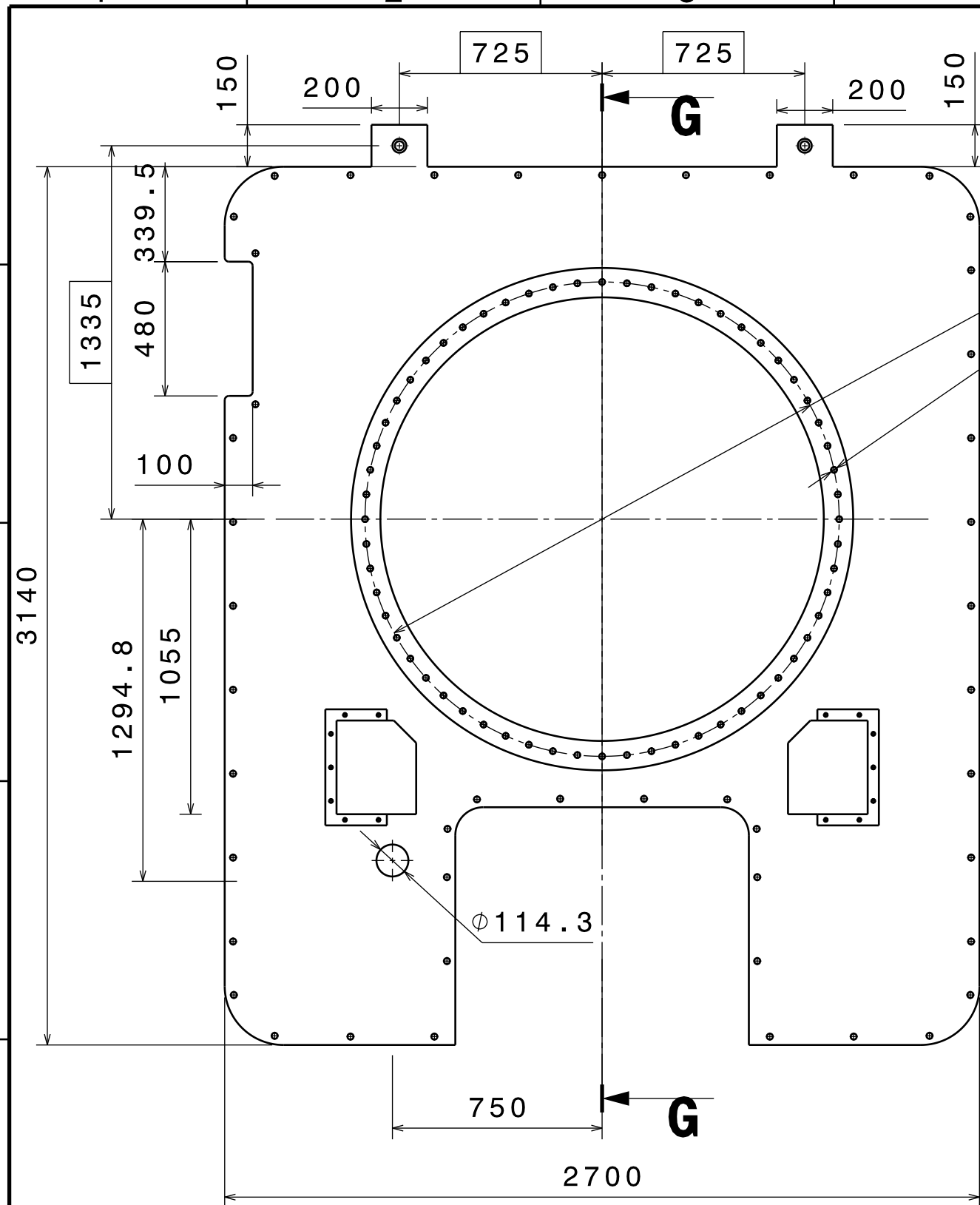
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Spacereservation for the banner



FRONT VIEW
Scale: 1:20

- Notes:
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 5. ISO 2768 - mK tolerances apply for this sheet unless more stringent tolerances are specified. ISO 13920-BF to apply for welded parts.

2xØ50 f7 (E)
Ø2 A B

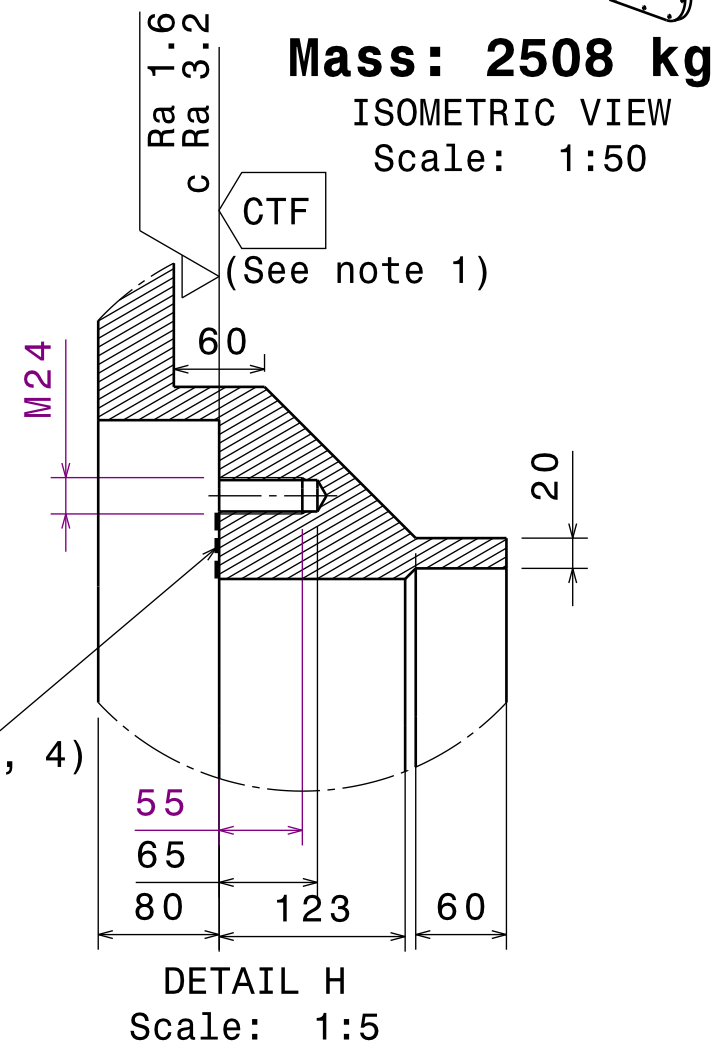
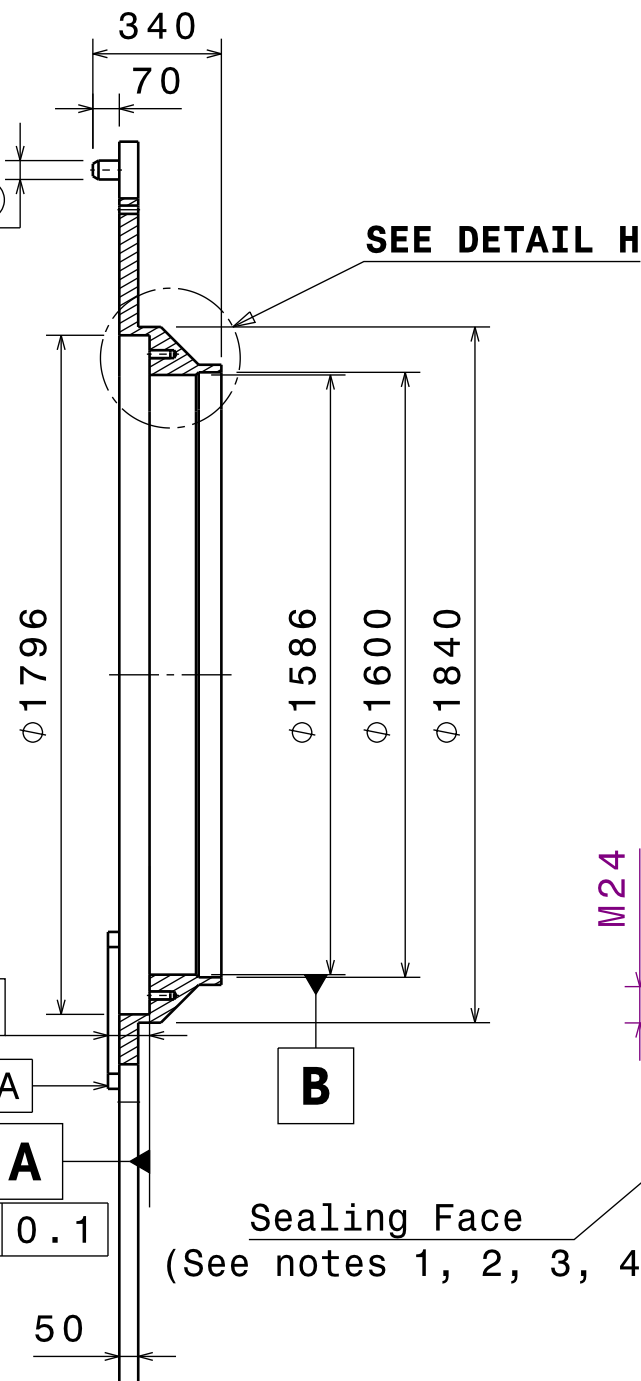
Ø1696
60xM24 - 6H
Ø0.4 B
(equispaced)

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SECTION VIEW G-G
Scale: 1:20



Mass: 2508 kg
ISOMETRIC VIEW
Scale: 1:50

CTF
(See note 1)

M24

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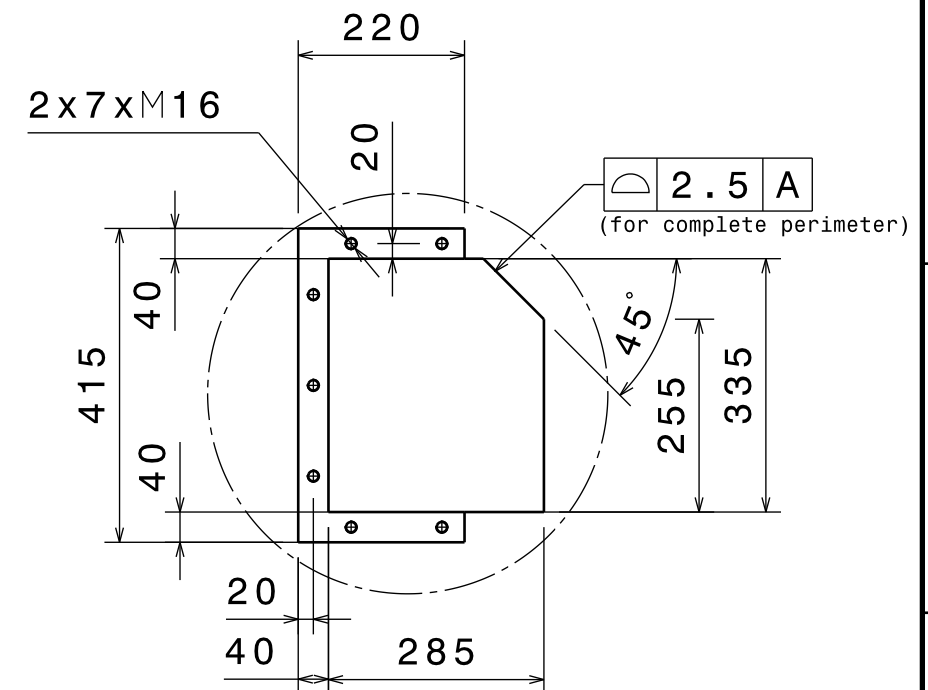
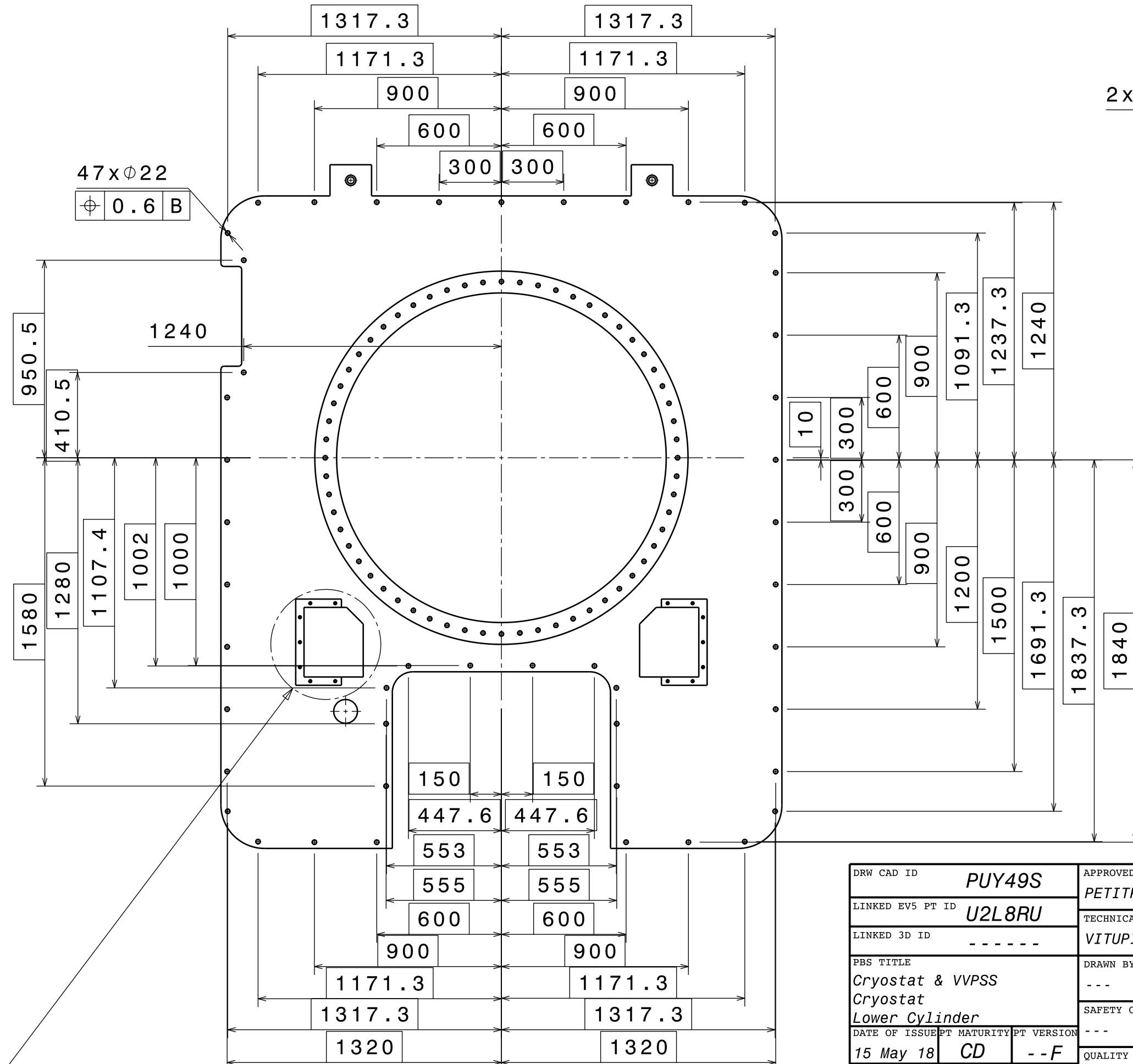
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DETAIL I
Scale: 1:10

DRW CAD ID			PUY49S			APPROVED BY		PETITPA		ITER Organization		LEGAL OWNER					
LINKED EV5 PT ID			U2L8RU			TECHNICAL REF		VITUPIG		INTERNAL USE When received pursuant to a contract or agreement, the confidentiality clause therein shall be applicable. When received during tender phase treat as confidential.							
LINKED 3D ID			- - - - -			DRAWN BY		---									
PBS TITLE						SAFETY CLASS		DRAWING TITLE									
Cryostat & VVPSS						---		TCPH_CRYOPUMP_FLANGES_DET									
Cryostat						---		TCPH_CRYOPUMP_FLANGE_03									
Lower Cylinder						---											
DATE OF ISSUE		PT MATURITY		PT VERSION		QUALITY CLASS		DOCUMENT TYPE									
15 May 18		CD		--F		---		Part Drawing									
DR STATUS		SCALE		PT STATUS		---											
D		1:20		D		---											
THIRD ANGLE PROJECTION						FORMAT		PBS NUMBER		DRAWING NUMBER		SHEET		N°OF SHEETS		REVISION	
						A3		24 CR LC		034345		07		07		--D	

SEE DETAIL I

FRONT VIEW

Spacereservation for the banner

Spacereservation for the banner