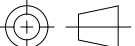
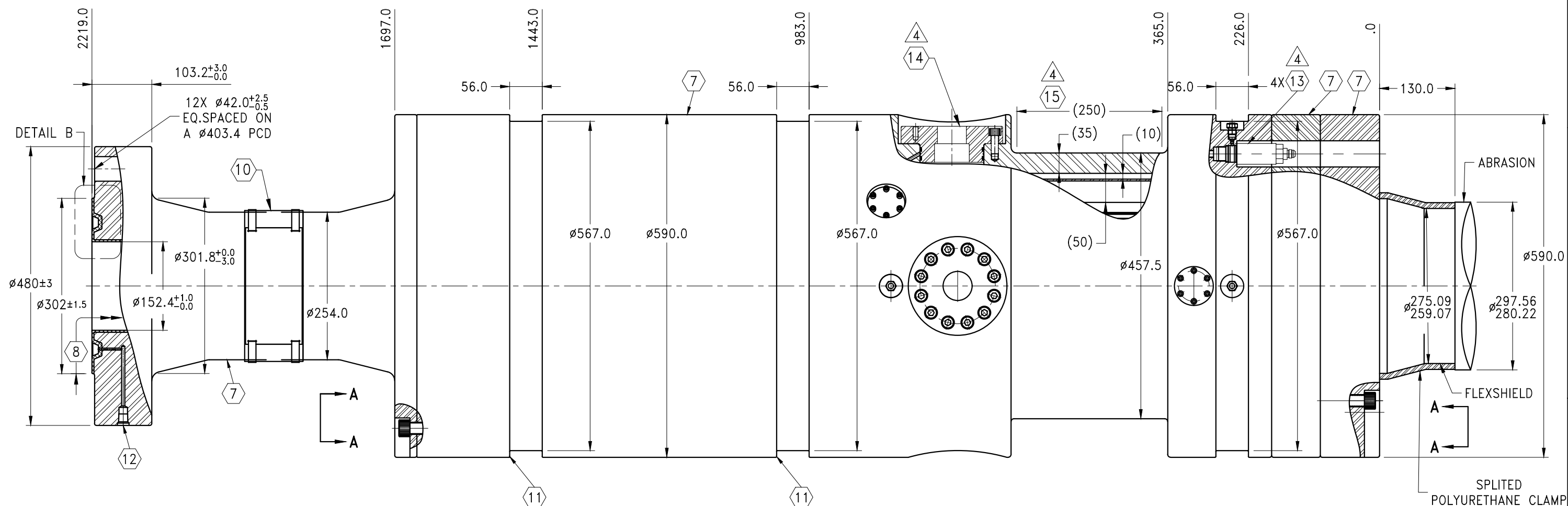


REVISIONS			
REV	DESCRIPTION	APPROVED	DATE
1	ORIGINAL ISSUE	DHr	08/06/21
2	UPDATED IDENTIFY NUMBER IN NOTE & ADDED GROOVE IN JACKET, SEE ECR WS00058430.	LMo	14/09/21
3	UPDATED NOTES 13 AND 14 AND STRUCTURE, SEE ECR WS00061523.	LMo	02/12/21
4	UPDATED NOTES 14 AND 15, SEE ECR WS00064594	RPo	15/02/22

PLACEMENT	FASTENER	TORQUE VALUE	
		ROCOL	EASY RUN
BODY TO JACKET	3/4"–16 UNF	224 +5/–0 ft-lbs [304 +7/–0 N.m]	216 +5/–0 ft-lbs [293 +7/–0 N.m]
OUTER COLLAR TO JACKET	3/4"–16 UNF	224 +5/–0 ft-lbs [304 +7/–0 N.m]	216 +5/–0 ft-lbs [293 +7/–0 N.m]

  ULTRASOUND INSPECTION AREA.

.02 QUANTITY		.01 ITEM NO.	IDENTIFYING NUMBER	NOMENCLATURE	MATERIAL/MATERIAL SPECIFICATION	COMMENTS	
PARTS LIST							
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS			APPROVAL INFORMATION		REV	ENDFITTING CONFIGURATION 6.0" NOMINAL BORE FLOWLINE FLANGE 7 1/16", API 6A, TYPE 6BX, 10000 psi, FOR RING BX156	
TOLERANCES			DRAWN BY:	DATE:	JC		
METRIC (mm)			J.ARAUJO	25/05/21	Co		
X. ±1 O.X ±0.3 O.XX ±0.10 ANGULAR ±0° 30'			CHECKED BY:	DATE:	AB		
SURFACE ROUGHNESS $3.2 \sqrt{\text{ }}$ BREAK SHARP EDGES			ENGINEERED BY:	DATE:	CB		
			ENGINEERING APPVL:	DATE:	RP	SIZE A3	
DO NOT SCALE DRAWING			D.HAFNER	08/06/21	CB-EF1522540-00-05	4	
			TEAMCENTER I.D.: WS_023547		DRAWING NUMBER	SCALE NONE TEMPLATE REF:	
					SHEET 1 OF 2		



VIEW ON A-A

SCALE 1:2  
2X @180° RIP FOR  
ELECTRICAL CABLE

### DETAIL B

SCALE 1:2



DO NOT SCALE – IF IN DOUBT ASK

DRAWN BY:  
J.ARAUJO

DATE: 25/05/21

SIZE	A3
------	----

	DRAWING NUMBER
--	----------------

MBER  
CB-EF1522540-00-05

RE
4

TEAMCENTER I.D.: WS\_023547

SCALE 1:7

TEMPLATE REF:
---------------

SHEET 2 OF 2

DO NOT USE THIS DOCUMENT IF STATUS IS INACTIVE. UNCONTROLLED WHEN PRINTED OR TRANSMITTED OUT OF PLM SYSTEM

1

2

3

4

5

6

NOTES:

1. COATING: HIGH BUILD EPOXY WHITE COLOR (HALF ADAPTOR AND HALF INNER RING), AND YELLOW COLLOR (HALF OUTER RING) ALL SURFACES UNLESS OTHERWISE SPECIFIED IN ACCORDANCE WITH MFG-R-4487 FOR BRAZIL MANUFACTURING OR MTL-5138, FOR OTHERS COUNTRIES.

2. BOLTS, WASHERS AND NUTS COATING: ELECTRODEPOSITED CADMIUM CLASS 12 MICRONS (MINIMUM THICKNESS) TYPE II WITH SUPPLEMENTARY COLORED CHROMATE TREATMENT (GREEN OLIVE) IN ACCORDANCE WITH MTL-5534

3. WEIGHT IN AIR: 1552 Kg (APPROX.).

4. BEND RESTRICTOR SPLITED TOTAL 72°: COMPRESSED LENGTH= 5306 mm.  
FREE LENGTH= 5781 mm.  
NOMINAL LENGTH= 5544 mm.

5. MAXIMUM ALLOWABLE LOAD TO SUPPORT BEND RESTRICTOR ADAPTOR: 250tf  
CONSIDERING THE INTERNAL DIAMETER OF THE PLSV INSERT WITHIN THE RANGE OF 495 - 705mm.

6. TORQUE VALUE:

7. ENDFITTING CONFIGURATION DRAWING: CB-EF1522540-00-05.

8. MANUFACTURING ASSEMBLY DWG: B-BR1522553-00-01.

9. MAXIMUM ALLOWABLE MOMENT AND SHEAR LOADS:

10. LOW STRESS CONTINUOUS MARK PART NUMBER AND SERVICE ORDER OR BATCH, ON APPROXIMATED LOCATION, INSPECTION AFTER COAT IS NOT REQUIRED. STENCIL PART MARKING IDENTIFICATION IN ACCORDANCE WITH WS-MFG-4236 ON APPROXIMATED LOCATION.  
FOR TRACEABILITY THE FULL INFORMATION WILL BE MARKED ONLY ON HALF ADAPTOR PARTS.

11. BEND RESTRICTOR DESIGNED CONSIDERING FLOODED BORE CONDITION ONLY.  
TDPR (DRY BORE): 4600mm.  
TDPR (FLOODED BORE): 2400mm.

REV.1

DESCRIPTION

APPROVED

DATE

1

ORIGINAL ISSUE

LMo

13/10/21

FASTENER

TORQUE VALUE  
(TORQUE TO BE CONSIDERED DRY)

M14

105 (+7/-0) Nm

FIELD/FPSO

MAXIMUM BENDING  
MOMENT (kNm)

MAXIMUM SHEAR  
FORCE (kN)

P-69/ P-67/ CIDADE  
DE SAQUAREMA

70

34

10

5

LIFT EYE BOLT

M10 x 1.5 x 20L, DIN 580,  
AISI 1020 OR EQUIVALENT

ZINC PLATED, YIELD  
STRENGTH MINIMUM  
250 MPa

98

4

CAPSCREW SOCKET HEAD

M14 x 2.0 x 40, DIN 912,  
MTL-5534 FULLY THREADED

SEE NOTE 2

14

3

HALF OUTER RING

ASTM A-36 or A-106 Gr.B  
or St. 52 or AISI 1020 or  
equivalent

YIELD STRENGTH  
MINIMUM 250 MPa

16

2

HALF INNER RING

ASTM A-36 or A-106 Gr.B  
or St. 52 or AISI 1020 or  
equivalent

YIELD STRENGTH  
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2

1

HALF ADAPTOR

ASTM A-36 or A-106 Gr.B  
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equivalent

YIELD STRENGTH  
MINIMUM 250 MPa

.02  
ASSY

QTY

ITEM  
NO.

IDENTIF. NUMBER

NOMENCLATURE

MAT./ MAT. SPECIFICATION

COMMENTS

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS

APPROVAL INFORMATION

REVISION

TOLERANCES  
METRIC (mm)

APPROVAL INFORMATION

REVISION

SIZE: A3

DRAWING NUMBER: CB-BR1522553-00-01

REV: 1

SCALE: NONE

TEMPLATE REF: TEMP CB BR 01 RB

SHEET: 1 OF 2

1

2

3

4

5

6

DETAIL A

1

4

5

3

4

5

2

4

5

R3600 +540  
-720

72°

Baker Hughes

152.2553-RD-4042-6

QAC - 1209

DO NOT SCALE IF IN DOUBT ASK

APPLICATION DOCUMENTATION

QAC - 1209

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METRIC (mm)

APPROVAL INFORMATION

REVISION

SIZE: A3

DRAWING NUMBER: CB-BR1522553-00-01

REV: 1

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TEMPLATE REF: TEMP CB BR 01 RB

SHEET: 1 OF 2

1

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4

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8. MANUFACTURING ASSEMBLY DWG: B-BR1522553-00-01.

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LMo

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DE SAQUAREMA

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SEE NOTE 2

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or St. 52 or AISI 1020 or  
equivalent

YIELD STRENGTH  
MINIMUM 250 MPa

16

2

HALF INNER RING

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or St. 52 or AISI 1020 or  
equivalent

YIELD STRENGTH  
MINIMUM 250 MPa

2

1

HALF ADAPTOR

ASTM A-36 or A-106 Gr.B  
or St. 52 or AISI 1020 or  
equivalent

YIELD STRENGTH  
MINIMUM 250 MPa

.02  
ASSY

QTY

ITEM  
NO.

IDENTIF. NUMBER

NOMENCLATURE

MAT./ MAT. SPECIFICATION

COMMENTS

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS

APPROVAL INFORMATION

REVISION

TOLERANCES  
METRIC (mm)

APPROVAL INFORMATION

REVISION

SIZE: A3

DRAWING NUMBER: CB-BR1522553-00-01

REV: 1

SCALE: NONE

TEMPLATE REF: TEMP CB BR 01 RB

SHEET: 1 OF 2

1

2

3

4

5

6

DETAIL A

1

4

5

3

4

5

2

4

5

R3600 +540  
-720

72°

Baker Hughes

152.2553-RD-4042-6

QAC - 1209

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APPLICATION DOCUMENTATION

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APPROVAL INFORMATION

REVISION

TOLERANCES  
METRIC (mm)

APPROVAL INFORMATION

REVISION

SIZE: A3

DRAWING NUMBER: CB-BR1522553-00-01

REV: 1

SCALE: NONE

TEMPLATE REF: TEMP CB BR 01 RB

SHEET: 1 OF 2

1

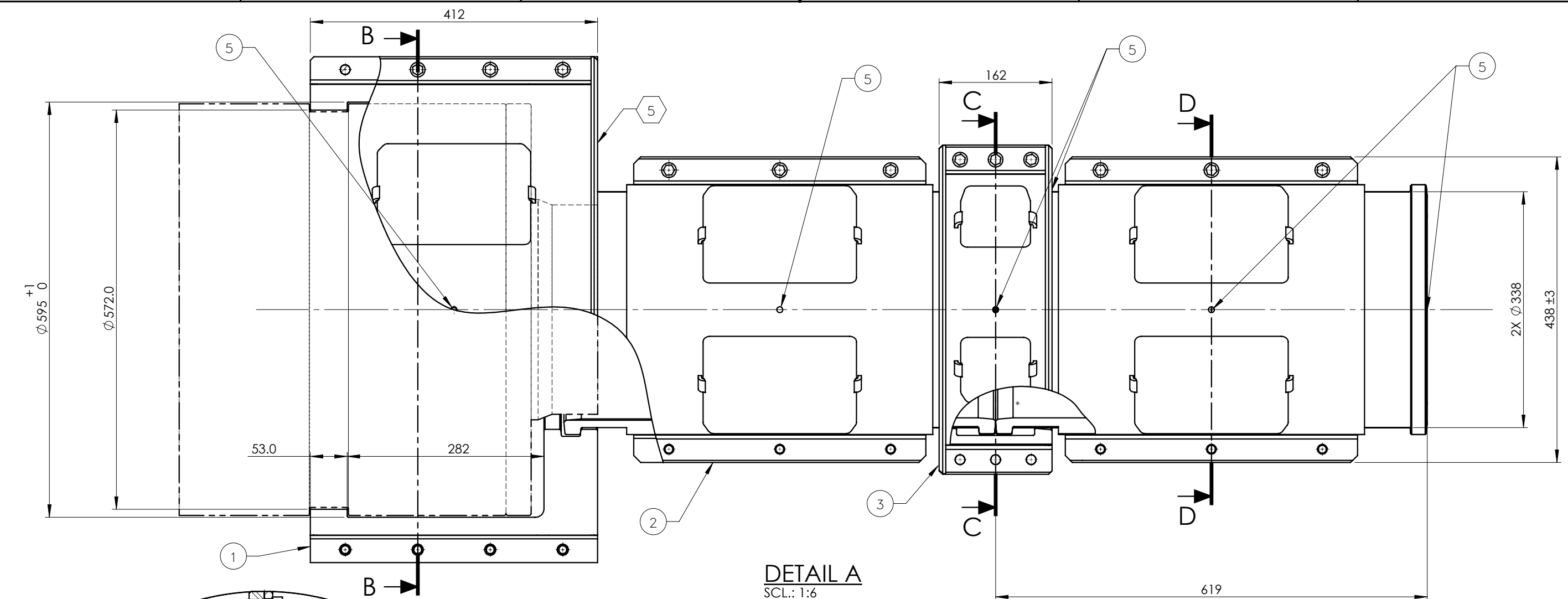
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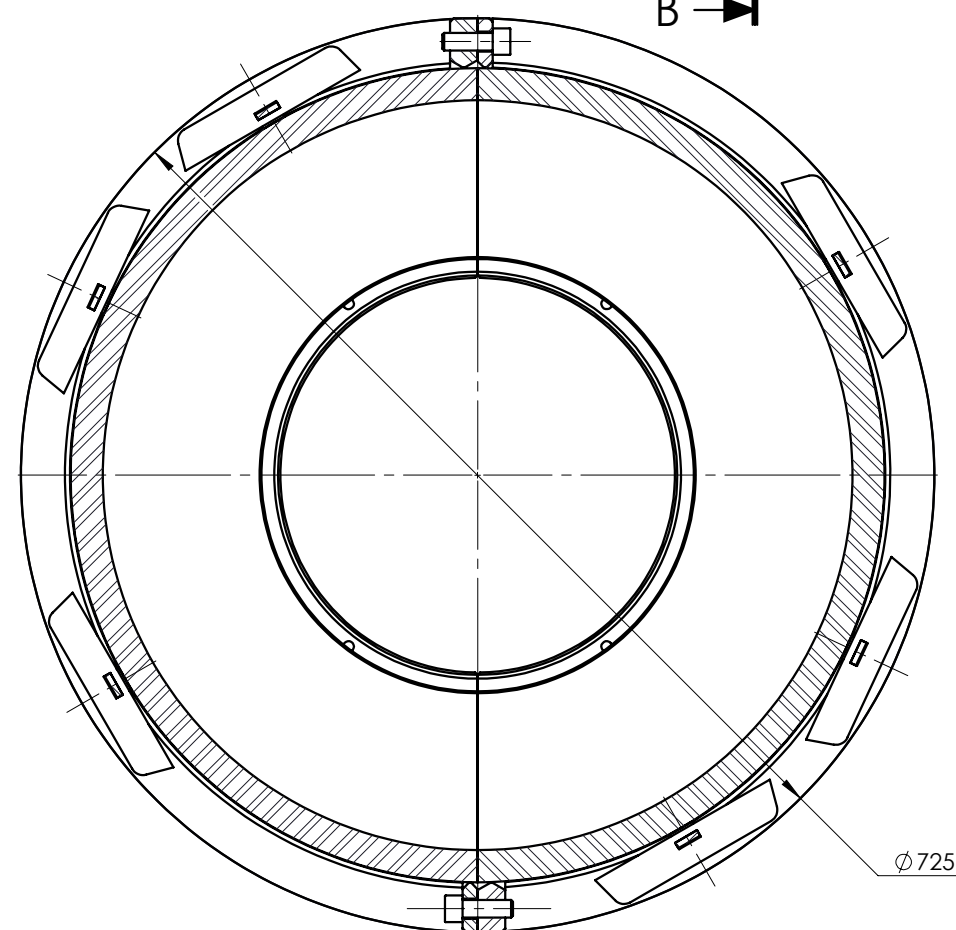
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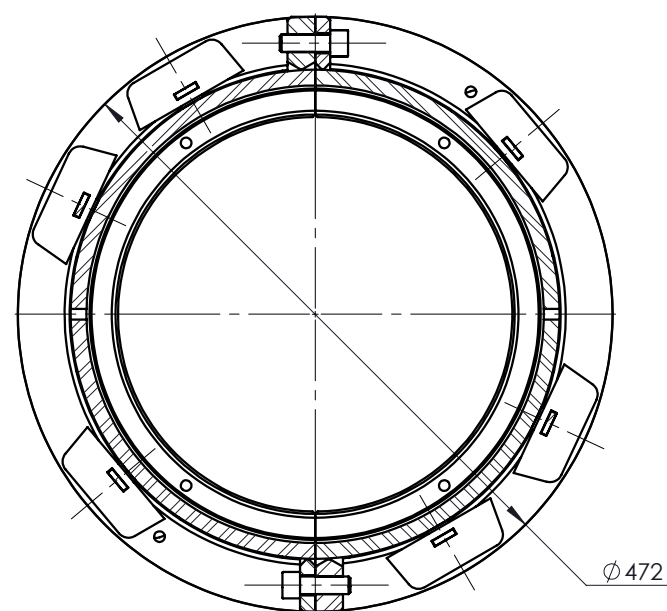
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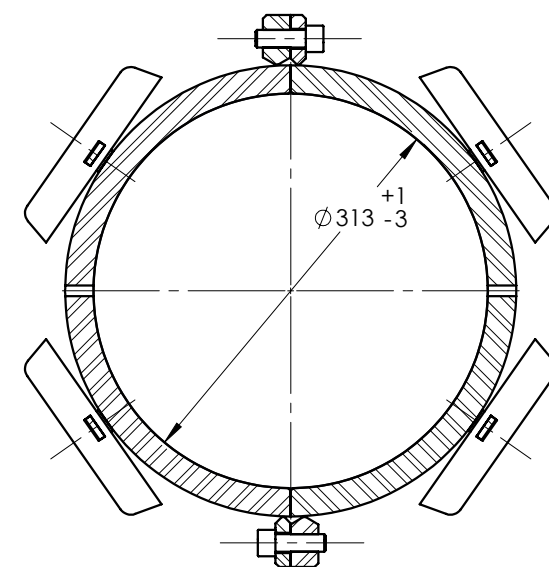
DETAIL A  
SCL.: 1:6



SECTION B-B  
SCL.: 1:6



SECTION C-C  
SCL.: 1:6



SECTION D-D  
SCL.: 1:6