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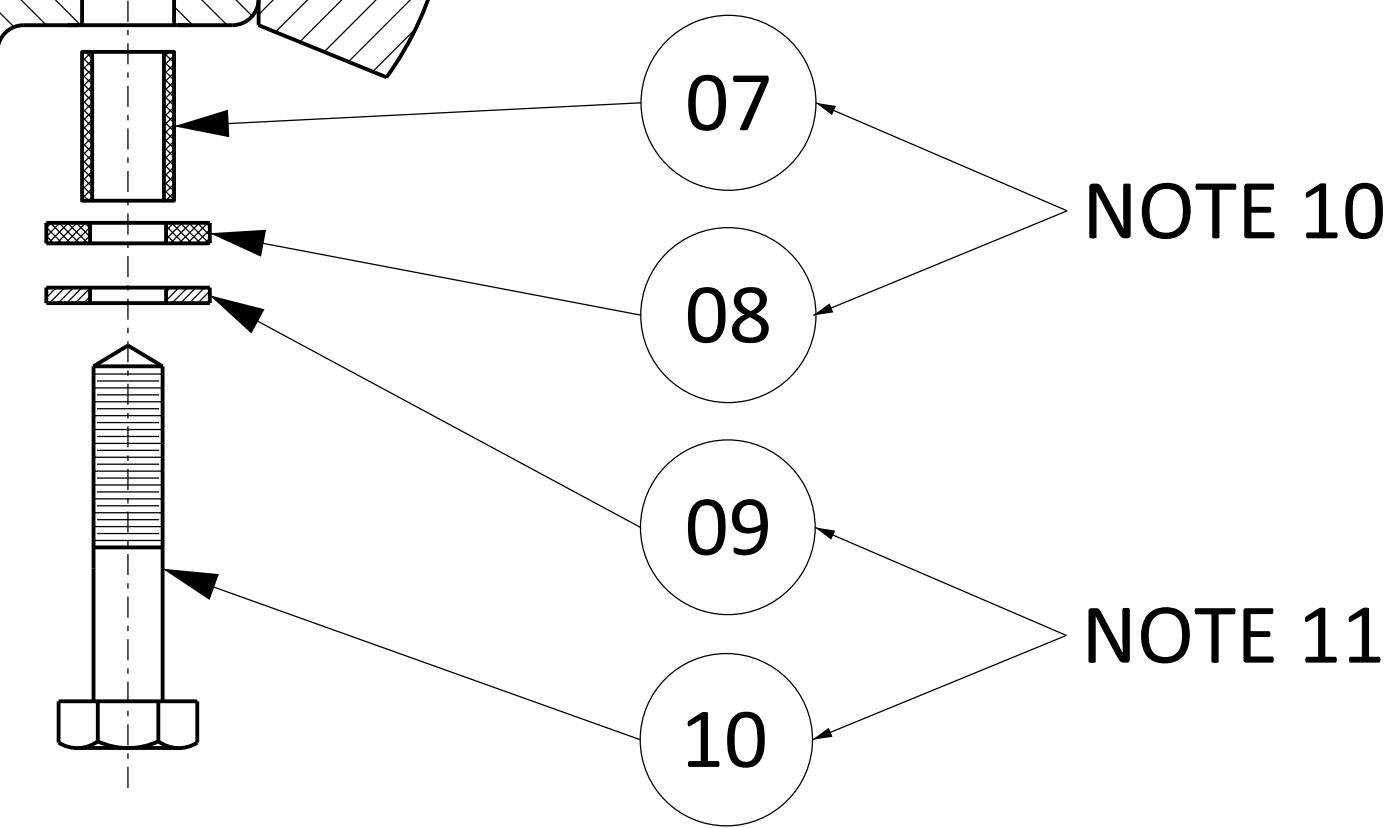
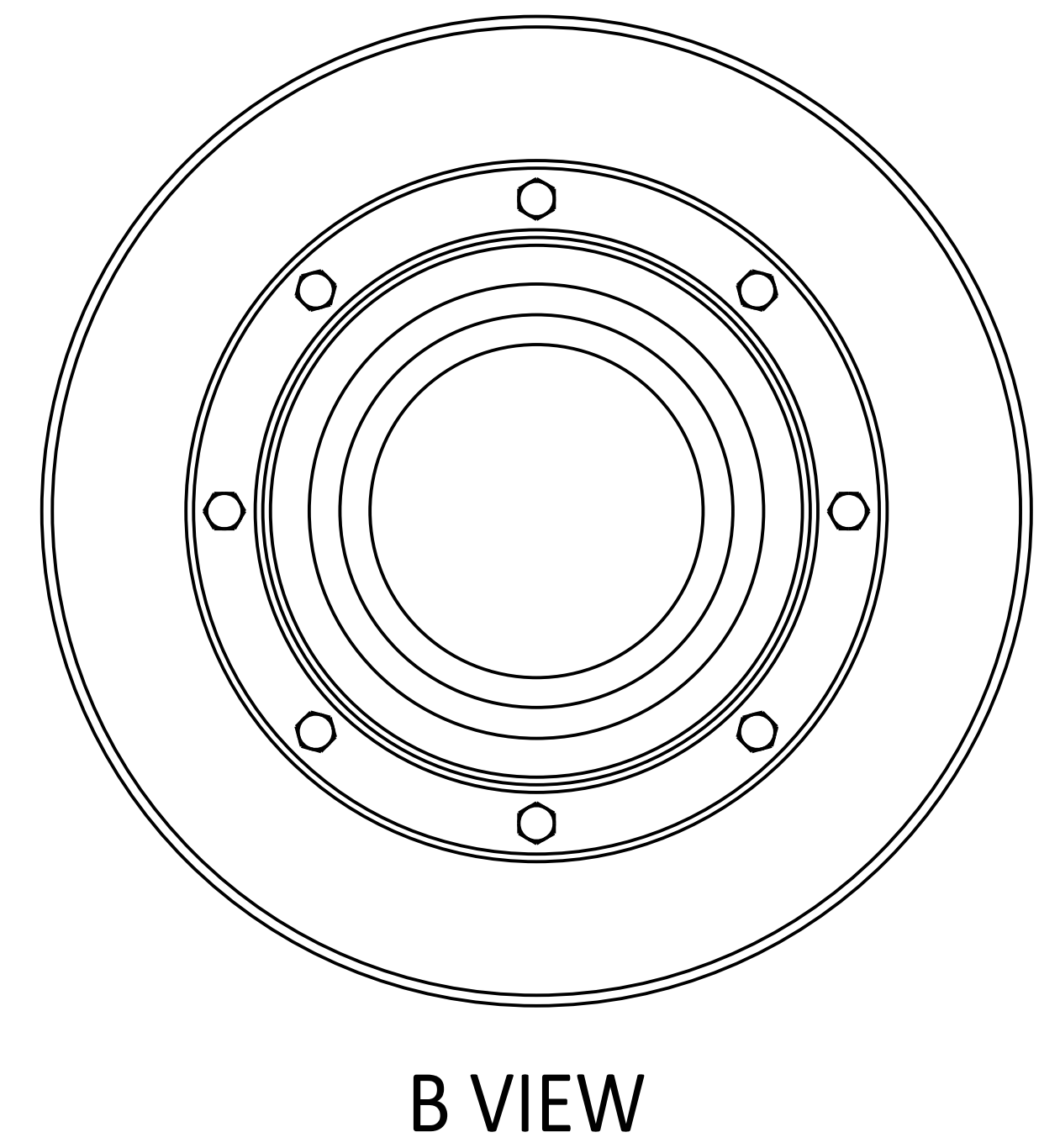
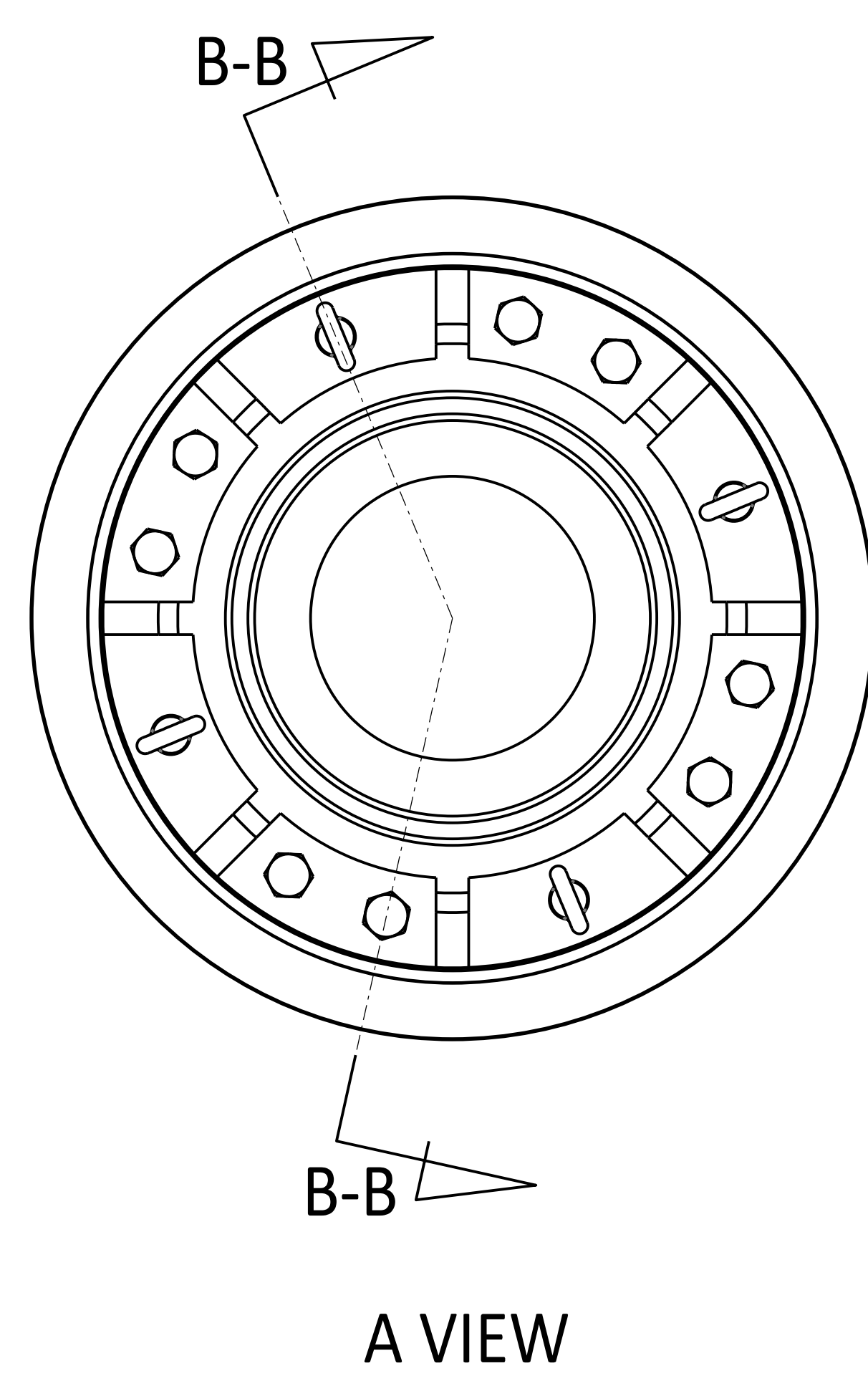
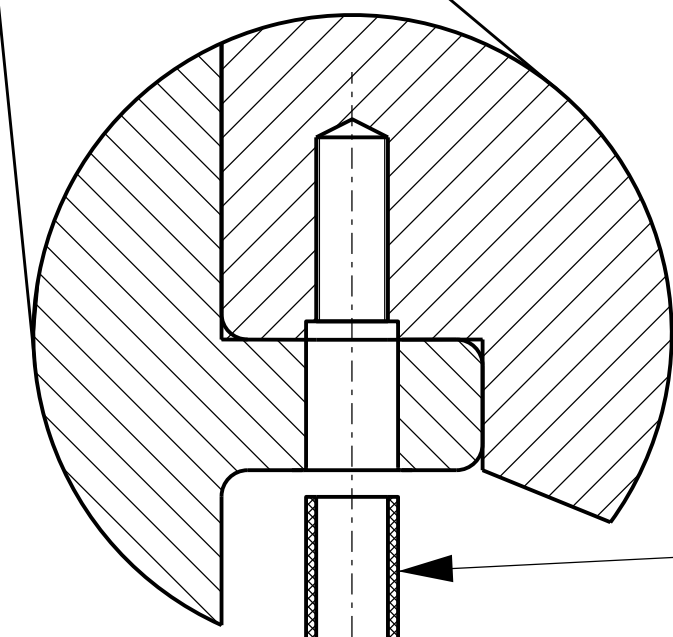
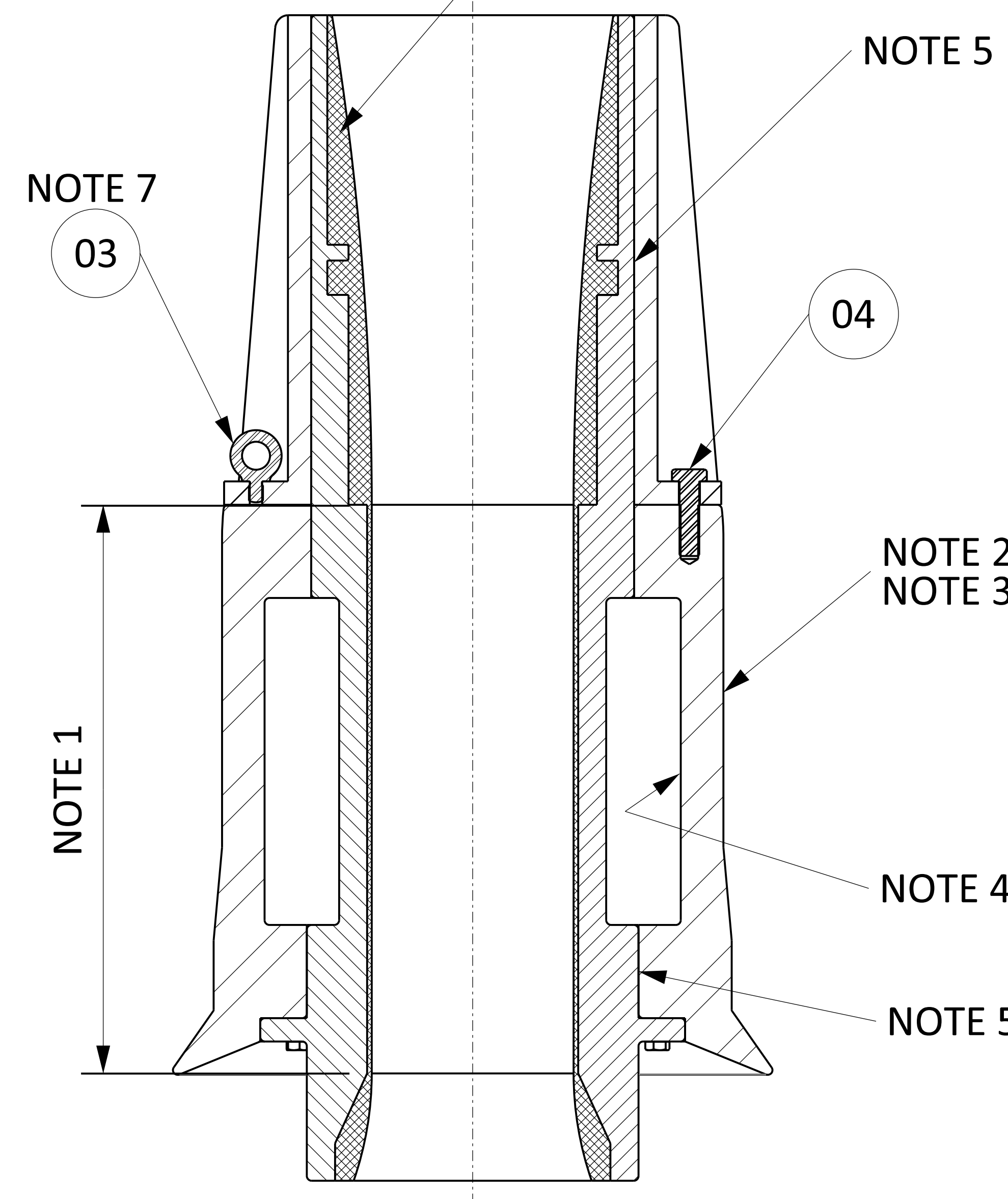
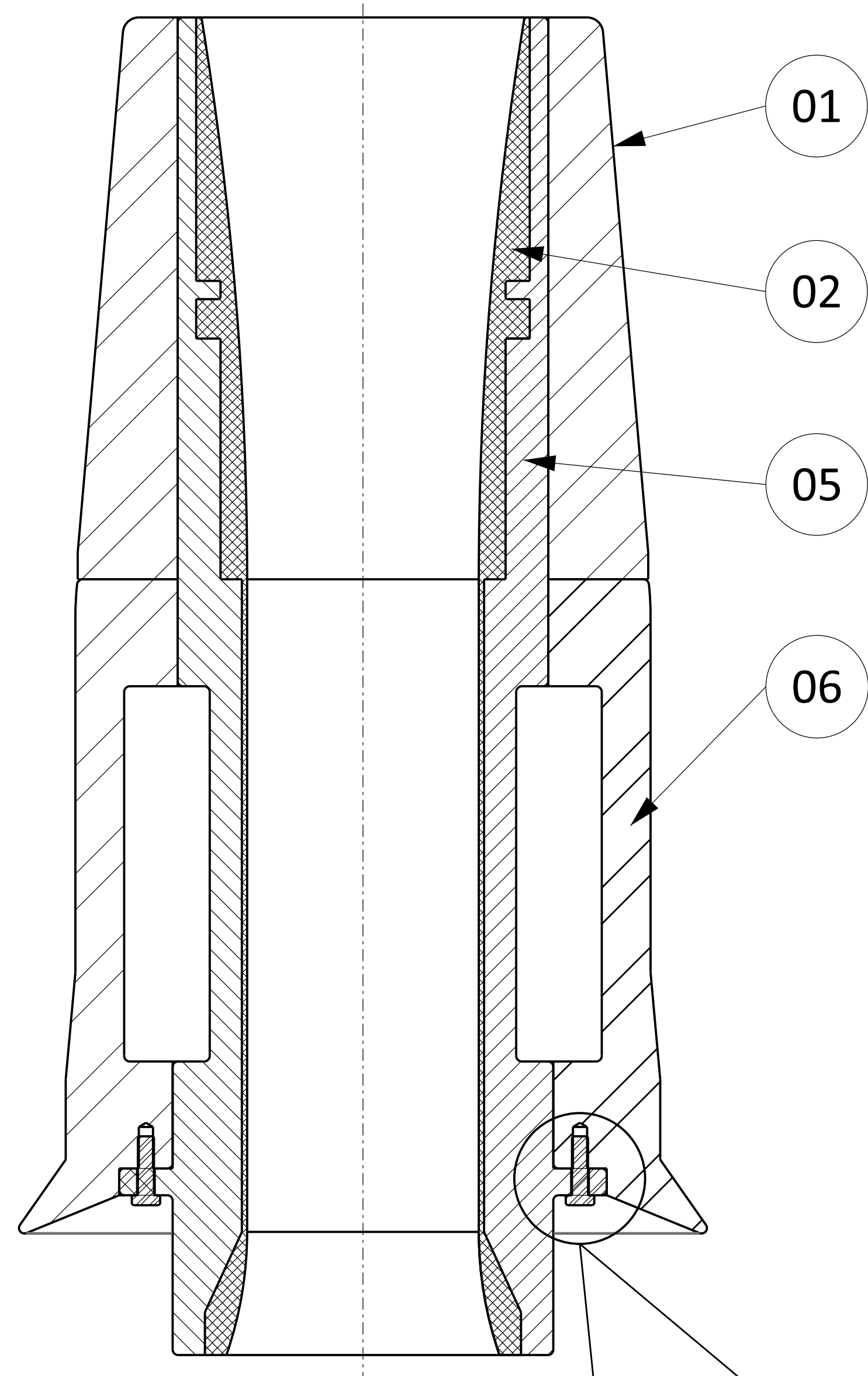
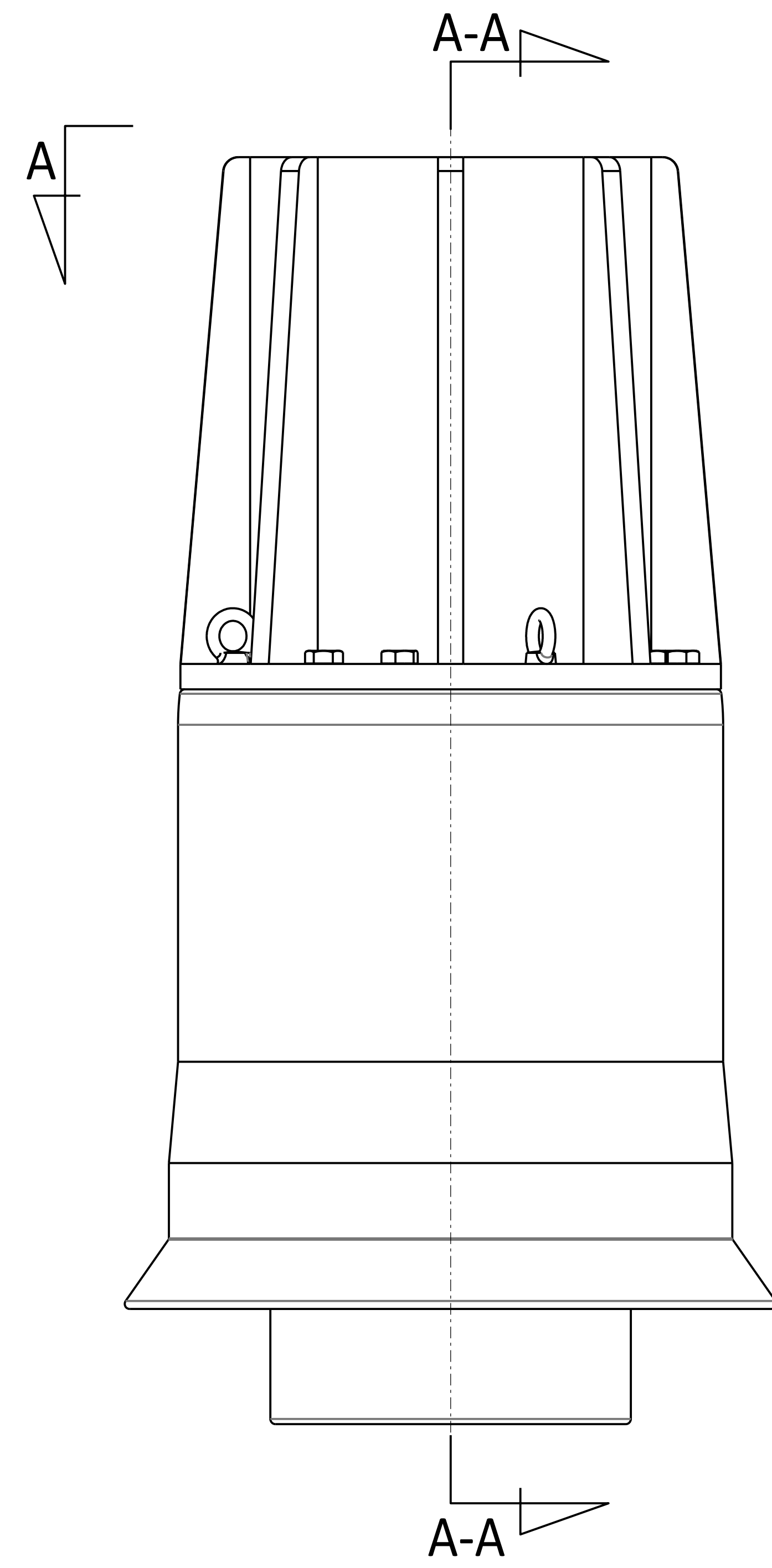
REFERENCE DOCUMENTS

- [1] - (*) INTERFACE DATA FOR SUBSEA SYSTEM EPCI SPECIFICATION
- [2] - (*) SUPPORT-TUBE DUMMY CAP DRAWING
- [3] - (*) COATING ASSESSMENT SPECIFICATION
- [4] - DNV-RP-B401, CATHODIC PROTECTION DESIGN, MAY/2021.
- [5] - I-ET-3000.00-1500-290-PSU-005, TITANIUM PULL IN TUBE SPECIFICATION.
- [6] - I-ET-3000.00-1500-298-PMU-001, FIXADORES DE LIGAS RESISTENTES A CORROSAO PARA UTILIZACAO EM UMBILICAIS SUBMARIOS.
- [7] - I-ET-3000.00-1500-251-PEK-001, HIGH-STRENGTH LOW-ALLOY STEEL FASTENERS FOR SUBSEA APPLICATIONS.
- [8] - XPE0014054 - RINA BRASIL SERVICOS TECNICOS LTDA (CONTRATO 5900.0120971.22.2).

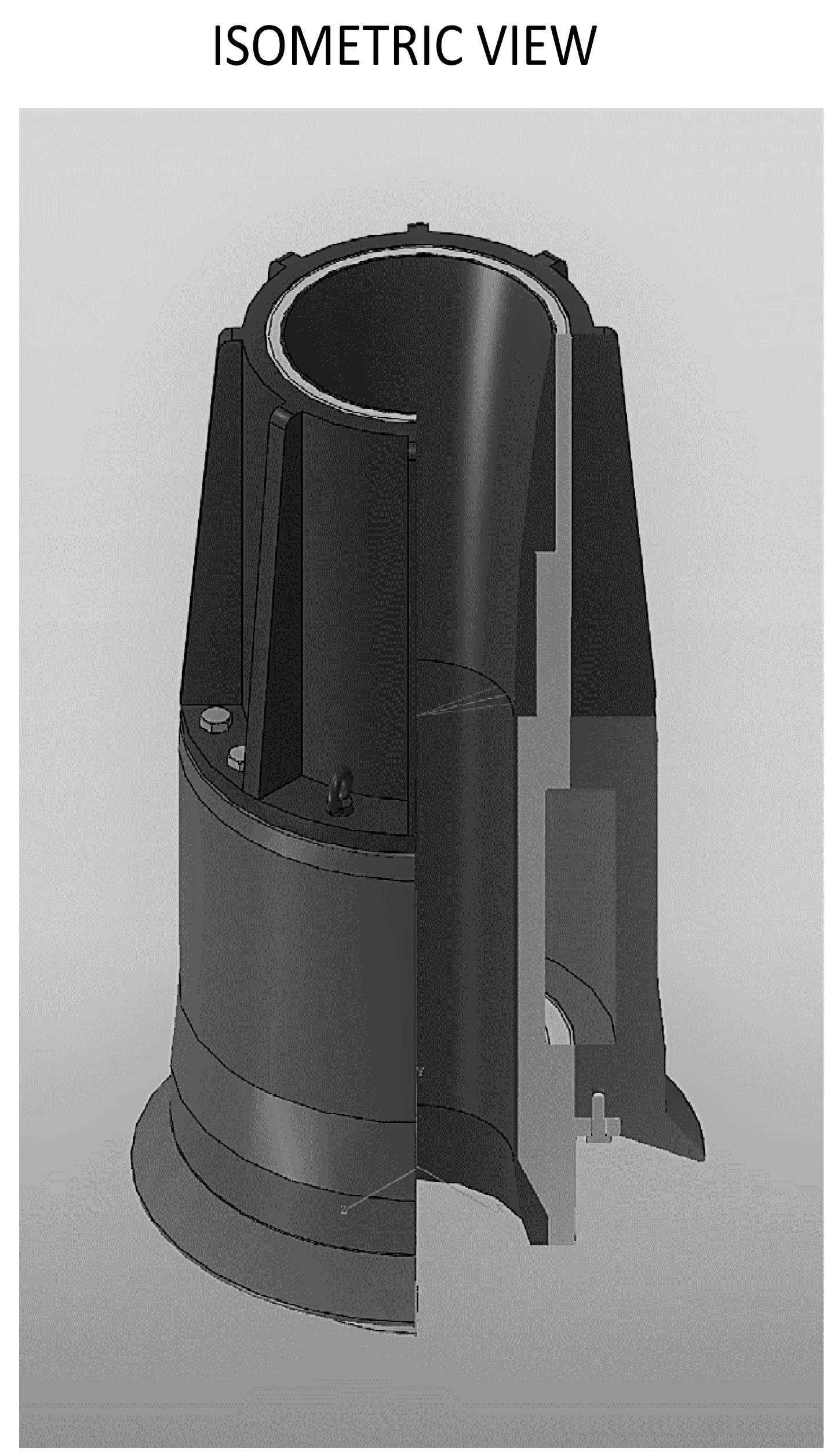
(*) PROJECT REFERENCE NUMBER TO BE ISSUED DURING EPCI BID PHASE.

GENERAL NOTES

- 01 - CONTACTING REGION WITH THE TIPT (UTS) IN OPERATION. STRAIGHT LENGTH AS A FUNCTION OF THE CALCULATED CONTACTING FORCES (BINARY) LIMIT;
- 02 - EXTERNAL PROFILE OF THE ADAPTOR CAP SHALL FOLLOW THE RESPECTIVE SUPPORT TYPE, PER REF. [1] AND DUMMY CAP DRAWING REF. [2];
- 03 - EXTERNAL CONTACTING SURFACE OF THE ADAPTOR CAP COATING TO BE ELECTROLESS NICKEL PLATING. MINIMUM THICKNESS 75µm;
- 04 - INNER SURFACES SHALL BE PROTECTED AGAINST CORROSION DURING SERVICE LIFE BY ANODES AS PER REF. [4]. ZINC ANODES SHALL BE EMPLOYED, AS PER SEC. 2.5.12 OF REF. [4];
- 05 - DIELECTRIC INSULATING COATING TO BE APPLIED ALONG ALL THE INTERFACE BETWEEN TRUMPET AND ADAPTOR CAP;
- 06 - POLYMERIC LINER ATTACHED TO THE TRUMPET, TRIBOLOGICALLY COMPATIBLE WITH TIPT COATING. CURVATURE SHAPE TO BE DEFINED IN VIEW OF TIPT MAXIMUM BEND;
- 07 - EYE BOLT TO HOLD THE FUSE CABLES (INSTALLATION AID, PER SEC. 5.8 OF REF. [5]);
- 08 - TRUMPET SHALL BE ELECTRICALLY ISOLATED FROM THE ADAPTOR CAP AND SHALL BE MADE OF A UNWELDED PIECE OF TITANIUM ALLOY RESISTANT TO SEA WATER AT THE MAXIMUM TEMPERATURE;
- 09 - TRUMPET ID IS FUNCTION OF THE COATED COMPACT FLANGE DIAMETER, THE LINER CALCULATED THICKNESS AND AN ANNULAR GAP (MIN. 3mm);
- 10 - NON-CONDUCTIVE WASHER (G-10 GLASS EPOXY "ISOLATING RINGS", CERAMIC EPOXY PAINTING, ETC.) AND ISOLATING SLEEVE TO BE INSTALLED WITH BOLTS TO GUARANTEE THE ELECTRICAL ISOLATION OF THE TRUMPET;
- 11 - TRUMPET FIXING SCREWS WASHERS TO BE MADE OF UNS N07718 ALLOY, AS PER REF. [6];
- 12 - STEEL BOLT AND NUTS AS PER REF. [7];
- 13 - GENERAL PAINTING (NON CORROSION RESISTANT PARTS) AS PER REF. [3], IF NOT INDICATED OTHERWISE IN THE DRAWING;
- 14 - THE FINAL DESIGN OF ADAPTOR CAP AND/OR ITS PARTS MAY VARY ACCORDING TO SUPPLIER DESIGN.



PART LIST		
POS	DESCRIPTION	QTY
01	TOP STRUCTURE	1
02	LINER	1
03	EYE BOLT	4
04	HH BOLT	8
05	TRUMPET CRA	1
06	ADAPTOR CAP	1
07	ISOLATING SLEEVE	8
08	ISOLATING WASHER	8
09	WASHER CRA	8
10	HH BOLT CRA	8



REV.	DESCRIPTION	DATE	EXEC.	VERIF.	APROV.
A	GENERAL REVISION	15/12/2022	M.TROVÃO	F.SILVA	D.GOMES
0	ORIGINAL	14/12/2022	CLZ/BFSQ	TSBH	CLZ2

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CONTRACTED COMPANY: RINA BRASIL SERVICOS TECNICOS LTDA.	CONTRACT N°: 5900.0120971.22.2
TECHNICAL RESPONSIBLE: NATAL FERREIRA VASCONCELOS	SOFTWARE: MICROSTATION® V8i
CREA N°: 141146933-0	ELECTRONIC FILE: I-DE-3000.00-1300-279-P56-001=a.dgn



CLIENT:	STANDARD	
PROGRAM:	STANDARDIZATION	
AREA:	DP&T-SUB	
TITLE:	SUPPORT-TUBE ADAPTOR CAP FOR TIPT - GEOMETRY REFERENCE GUIDE	
DESIGN:	EXEC. CLZ/BFSQ	CHECK: TSBH
APROV. CLZ2		
DATE: 14/12/2006	ESCALE: -	SHEET: 01 of 01
OWNER NUMBER:	I-DE-3000.00-1300-279-P56-001	