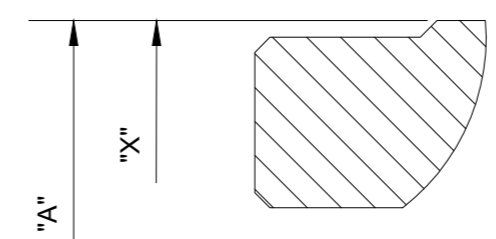
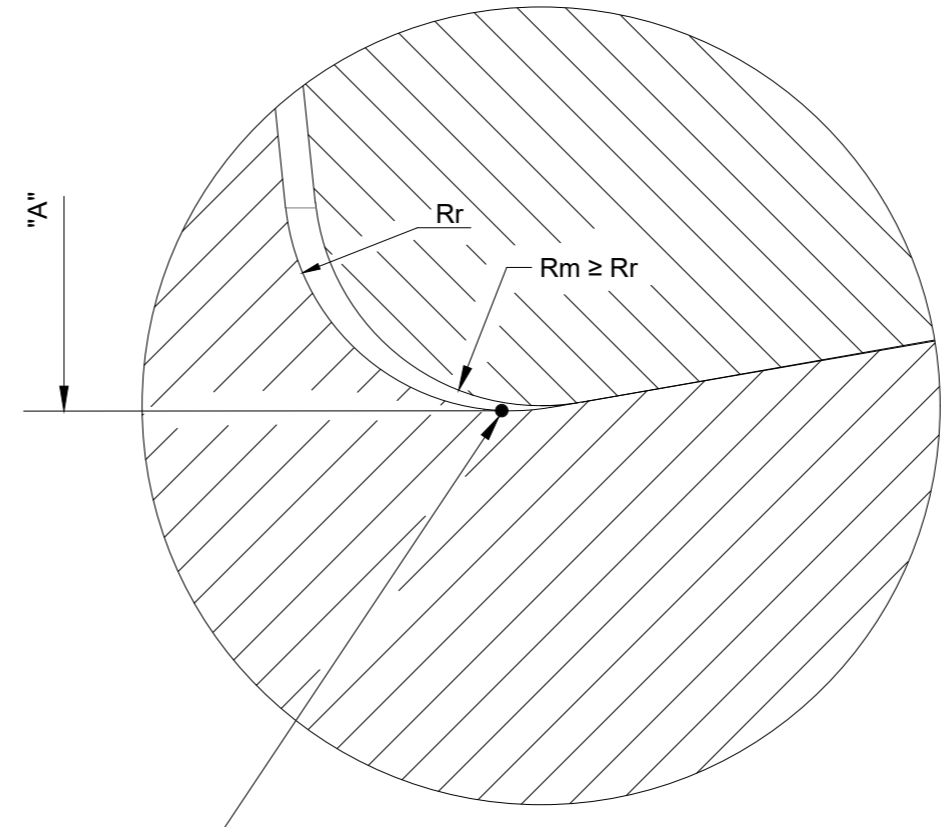


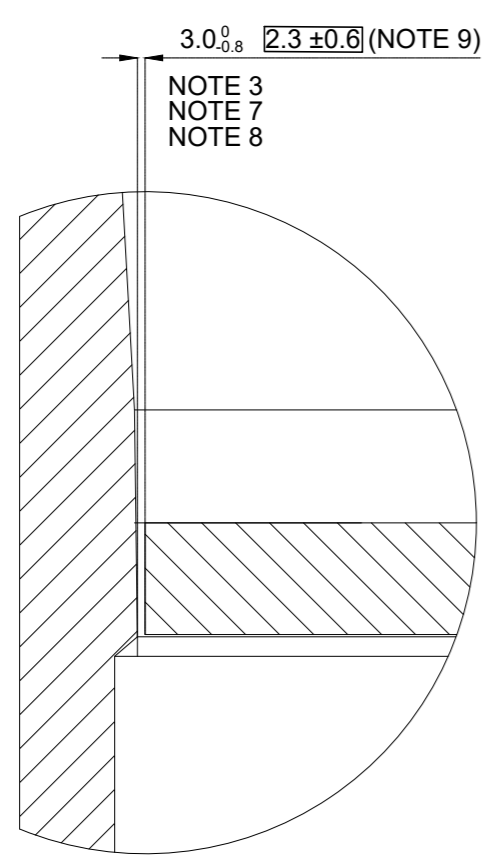
SECTION A-A



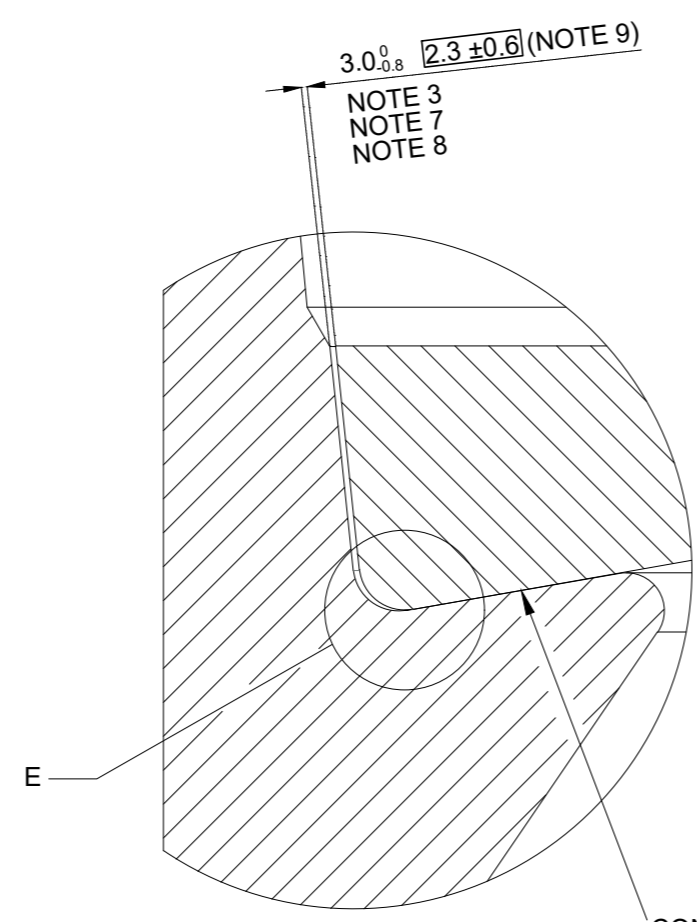
DETAIL B
SCALE 1:5



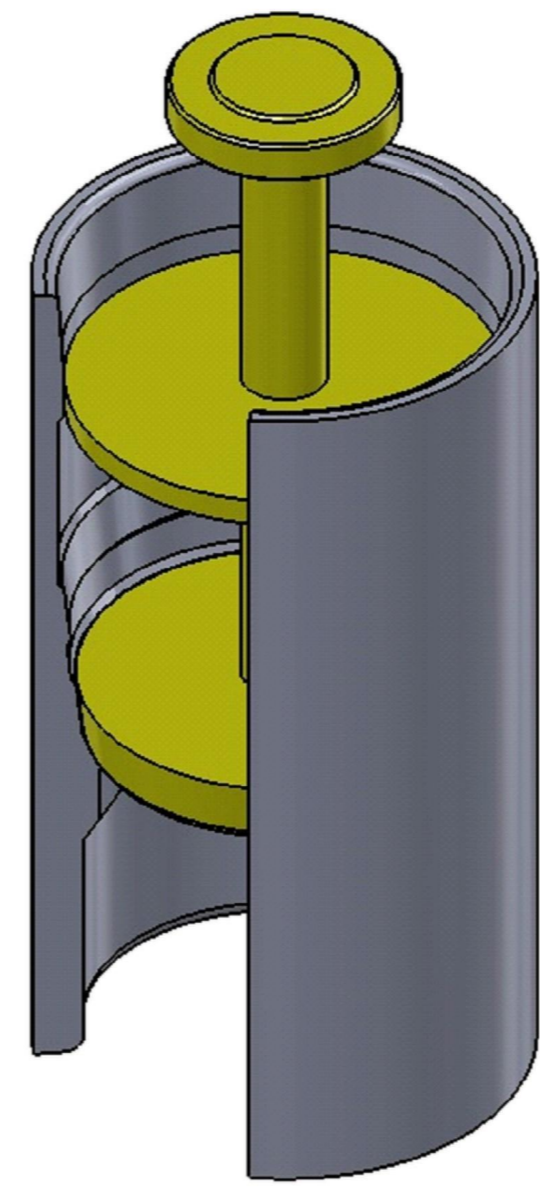
DETAIL E
SCALE 1:1



DETAIL C
SCALE 1:5



DETAIL D
SCALE 1:5



DOCUMENTS OF REFERENCE

- 1 - (*) INPUT DATA FOR FLEXIBLE JOINT/ TITANIUM STRESS JOINT DESIGN.
- 2 - (*) RISER SYSTEM REQUIREMENTS.
- 3 - (*) PROJECT'S COATING ASSESSMENT SPECIFICATION (RISER CONTRACT)
- 4 - I-ET-0000.00-0000-140-P56-001 - CONICAL RECEPTACLE SPECIFICATION
- 5 - I-ET-3010.00-1200-956-P4X-002 - GENERAL PAINTING
- 6 - I-DE-3000.00-0000-140-P56-001 - CONICAL RECEPTACLE "TYPE A"
- 7 - I-DE-3000.00-0000-140-P56-002 - CONICAL RECEPTACLE "TYPE B"
- 8 - I-DE-3000.00-0000-140-P56-003 - CONICAL RECEPTACLE "TYPE C"

(*) PROJECT REFERENCE NUMBER TO BE ISSUED DURING EPCI BID PHASE. DEFINITION OF THE RISER TOP JOINT (FLEXIBLE RISER ADAPTOR, FLEXIBLE JOINT OR STRESS JOINT), AND THE RECEPTACLE TYPES SELECTED FOR A SPECIFIC PROJECT, TO BE INFORMED WITHIN PROJECT DOCUMENTATION.

GENERAL NOTES

- 1 - ALL MEASURES ARE IN MILLIMETERS, EXCEPT WHERE INDICATED.
- 2 - PROJECT SELECTED STANDARD RECEPTACLE TYPE(S), ACCORDING TO SPECIFIC DRAWING(S) IN REF. [6] TO REF. [8], TO BE INFORMED DURING BID PHASE.
- 3 - THIS IS THE ALLOWABLE GAP BETWEEN RECEPTACLE AND MOCK-UP, CONSIDERING THE FABRICATION TOLERANCES OF THESE TWO COMPONENTS, OVER FINAL MACHINED BASKET AND MOCK-UP'S LATERAL DISKS SURFACES (BEFORE COATING APPLICATION). A MOCK-UP DISK DIAMETER TOLERANCE OF +0.5MM IS CONSIDERED. RECEPTACLE TOLERANCES AS PER REF. [6] TO REF. [8].
- 4 - THE BOTTOM PROFILE OF THE MOCK UP SHALL MATCH THAT OF RISER TOP CONNECTOR BASE, OR SHALL INTERFACE THE RECEPTACLE BOTTOM CONTACT SURFACE UP TO THE RADIUS "Rm". THE MOCK UP BOTTOM EDGE RADIUS "Rm" SHALL MATCH THE RISER JOINT'S, OR SHALL BE EQUAL TO OR GREATER THAN THE RECEPTACLE BOTTOM EDGE RADIUS "Rr" AS SHOWN IN "DETAIL E".
- 5 - THE REFERENCE BOTTOM EDGE FOR ELEVATION "A" IS THE "POINT C", I.E. THE RECEPTACLE CONTACT SURFACE'S LOWEST EDGE IN "DETAIL E". THE ACTUAL HEIGHT OF THE RISER TOP JOINT AND THE MOCK-UP SHALL TAKE INTO ACCOUNT THE LATERAL GAPS WITH RECEPTACLE AND ANY CENTRALIZER PIECE OR BUSHING ASSEMBLED ON THE RISER TOP JOINT BOTTOM PART.
- 6 - THE DIMENSION "X" IS AN ALTERNATIVE DIMENSION FOR FLANGE ELEVATION CONTROL DURING FPSO SPOOL ADJUSTMENT.
- 7 - FOR RISER EPCI CONTRACT'S MOCK-UPS: COATING SHALL COMPLY WITH EPOXY PAINTING SPECIFIED IN REF. [3], INCLUDING THE LATERAL CONTACTING REGIONS AT MOCK-UP DISKS.
 - A. ONLY FOR THE MOCK-UP REPRESENTING FLEXIBLE JOINTS: THE MOCK-UP'S BOTTOM DISK CONTOUR GEOMETRY SHALL REPRESENT THAT OF THE ACTUAL FLEXIBLE JOINT (OR ITS CENTRALIZER PLATE) DESIGN. THE LATERAL GAP AT THE MOCK-UP'S TOP DISK SHALL ADHERE TO THE VALUE IN NOTE 3.
 - B. ONLY FOR THE MOCK-UP REPRESENTING STRESS JOINTS: THE LATERAL GAPS AT BOTH MOCK-UP DISKS SHALL ADHERE TO THE VALUES IN NOTE 3.
- 8 - FOR FPSO CONTRACT'S MOCK-UPS: COATING SHALL COMPLY WITH PAINTING SYSTEM Nº 3 AS PER REF. [4]. LATERAL CONTACTING REGIONS AT BOTH DISKS SHALL BE UNCOATED FOR BETTER DIMENSIONAL ADJUSTMENT FOR FIT-UP PURPOSE, AND SHALL ADHERE TO THE GAP VALUE IN NOTE 3.
- 9 - DIMENSIONS IN BOX ARE REFERENCE GAP VALUES FOR FINISHED SUFACES AFTER COATING APPLICATION. THICKNESS RANGES OF THE COATING SYSTEMS AS PER REF. [3].
- 10- BLIND FLANGE WITH THE SAME SPECIFICATION OF THE SELECTED RISER TOP JOINT, INCLUDING N2 TEST PORT IF SPECIFIED, AS PER REF. [1] OR REF. [2]. SEALING AND RAISED FACE CONTACTING SURFACES SHALL NOT BE PAINTED OR BLASTED.

REV.	DESCRIPTION	DATE	EXEC.	CHECK	APPROV.
B	GENERAL REVISION	27/10/23	CJLZ	TS8H	CLZ2
A	GENERAL REVISION	20/07/20	SFJC	TS8H	QM63
0	ORIGINAL	18/05/18	TS8H / EE93	U43H	QM63

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CLIENT:	STANDARD		
JOB:	STANDARDIZATION		
AREA:	DP&T-SUB		
TITLE:	RISER TOP JOINT MOCK-UP GEOMETRY REFERENCE		
DESIGN:	EDR	EXEC.:	TS8H / EE93
SCALE:	1:20	CAT.:	DRAWING
		COD.:	-
		MANAGER:	SUB/ES
DATE:	18/05/2018	Nº:	I-DE-0000.00-0000-140-P56-001