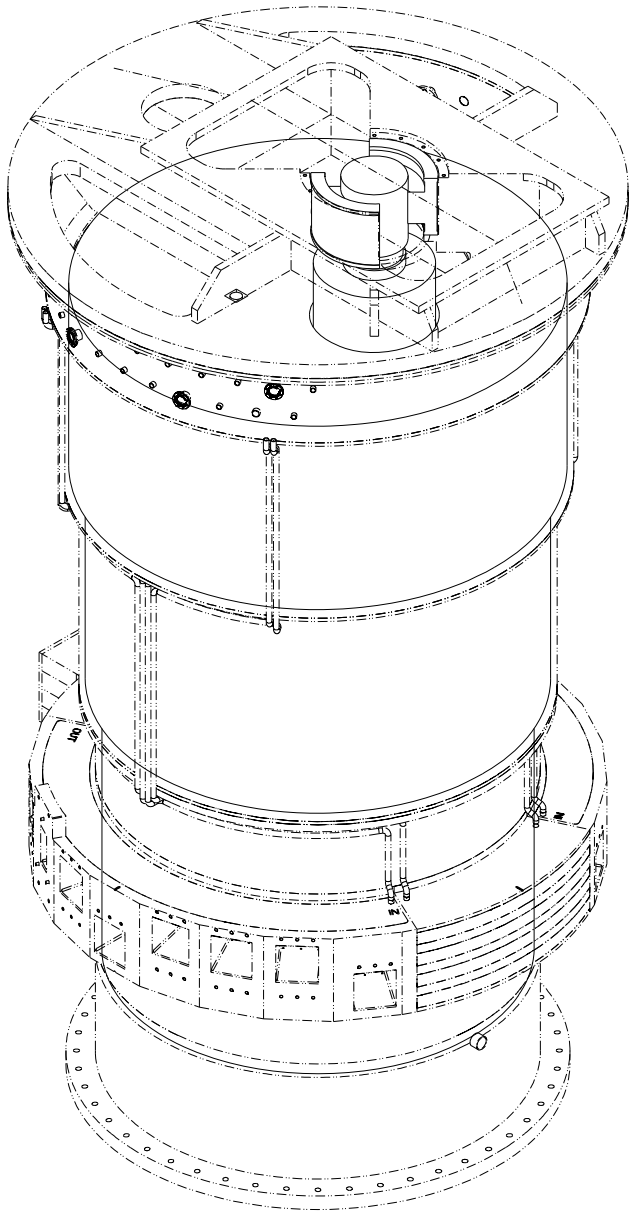


NEXT USED ASSEMBLY
N/A

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APPROVAL BLOCK								
REV	DESCRIPTION OF CHANGE	DES	CHK	ENG	API	AP2	AP3	DATE
A	PRELIMINARY DRAFT							

- NOTES:
- REFERENCE S01020500-1ST10205.
 - NOMINAL BOUNDARY GEOMETRY DEFINED BY THE ASSOCIATED CAD GEOMETRY
 - VESSEL SYSTEMS ALLOTMENT IS RELATIVE MOTION OF THE VESSEL SYSTEMS BOUNDARY RELATIVE TO THE MRA MOUNTING INTERFACE SHOWN IN DETAIL G ON SHEET 4.
 - BOTH TARGET ASSEMBLY AND MRA MOUNT TO VESSEL SYSTEMS. VESSEL SYSTEMS ALLOTMENT IS RELATIVE MOTION OF THESE MOUNTING INTERFACES SHOWN IN DETAIL F AND G ON SHEET 4, INCLUDING PROJECTED DEFLECTIONS WHICH RESULTS FROM ANGULAR DEFLECTION OF MOUNTING INTERFACES.
 - VESSEL SYSTEMS ALLOTMENT IS RELATIVE MOTION OF THE VESSEL SYSTEMS BOUNDARY RELATIVE TO THE TARGET MOUNTING INTERFACE, SHOWN IN DETAIL F ON SHEET 4.




MRA TO VESSEL SYSTEMS					
ZONE	NOMINAL GAP	MRA ALLOTMENT	VESSEL SYSTEMS ALLOTMENT	MINIMUM GAP	
A HORZ	10mm	±2mm	±3mm	5mm	
B VERT	10mm	±2mm	±3mm	5mm	
C TRANSFER	12mm	±7mm	±4.5mm	0.5mm	

TARGET TO MRA					
ZONE	NOMINAL GAP	TARGET ALLOTMENT	MRA ALLOTMENT	VESSEL SYSTEMS ALLOTMENT	MINIMUM GAP
D HORZ	22.5mm	±10mm	±2mm	±6.5mm	4mm
E VERT	10mm	±3mm	±2mm	±2mm	3mm

TARGET TO VESSEL SYSTEMS					
ZONE	NOMINAL GAP	TARGET ALLOTMENT	VESSEL SYSTEMS ALLOTMENT	MINIMUM GAP	
F 1 HORZ	20mm	±10mm	±9mm	1mm	
G 1 VERT	23mm	±3mm	±3mm	17mm	
H 2 HORZ	17mm	±10mm	±6.75mm	0.25mm	
I 2 VERT	20mm	±3mm	±3.75mm	13.25mm	
J 3 HORZ	14.5mm	±7.5mm	±6.75mm	0.25mm	
K 3 VERT	14.5mm	±3mm	±4.5mm	7mm	

UNITS: MILLIMETERS



HIGH FLUX
ISOTOPE
REACTOR

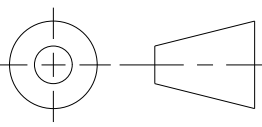
SPALLATION
NEUTRON
SOURCE

SECOND TARGET STATION
TARGET SYSTEMS
TARGET-MRA-VESSEL SYSTEMS INTERFACE

DRAFTING STD: ASME Y14.100
D & T: ASME Y14.5
WELD SYMBOLS: AWS A2.4

DRAWING NUMBER
S03000000-M8U-8800-A10001

THIRD
ANGLE
PROJECTION



SIZE
D

SCALE
41:1600

WEIGHT
N/A

SHEET
1 of 4

REV
A

		VESSEL SYSTEMS BOUNDARY	S03070000-M8U-8800-A10000-BD		3
		MODERATOR REFLECTOR ASSEMBLY BOUNDARY	S03040000-M8U-8800-A10000-BD		2
		TARGET ASSEMBLY BOUNDARY	S03020000-M8U-8800-A10000-BD		1
		DESCRIPTION	PART NUMBER	QTY	FIND NO.