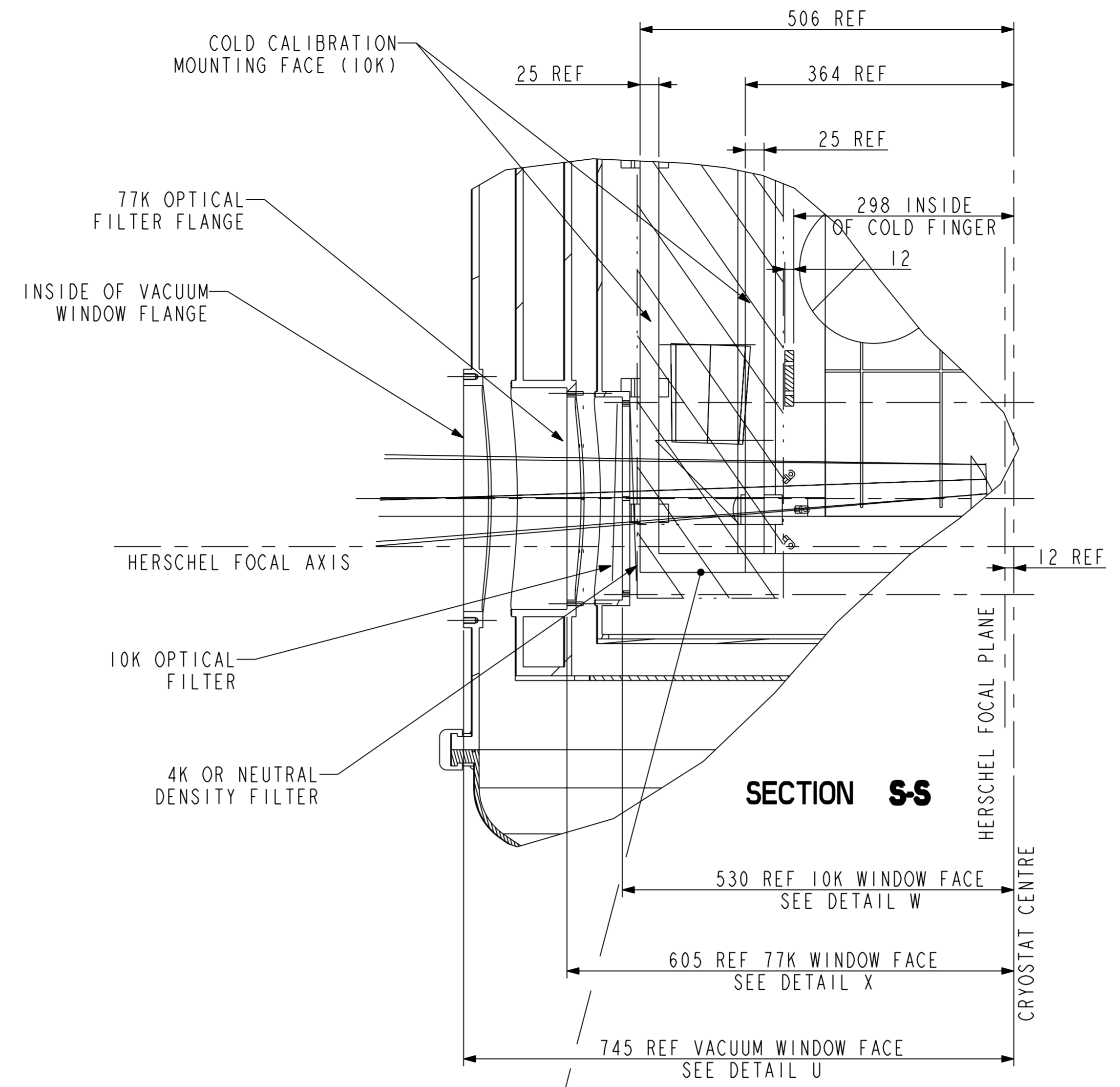
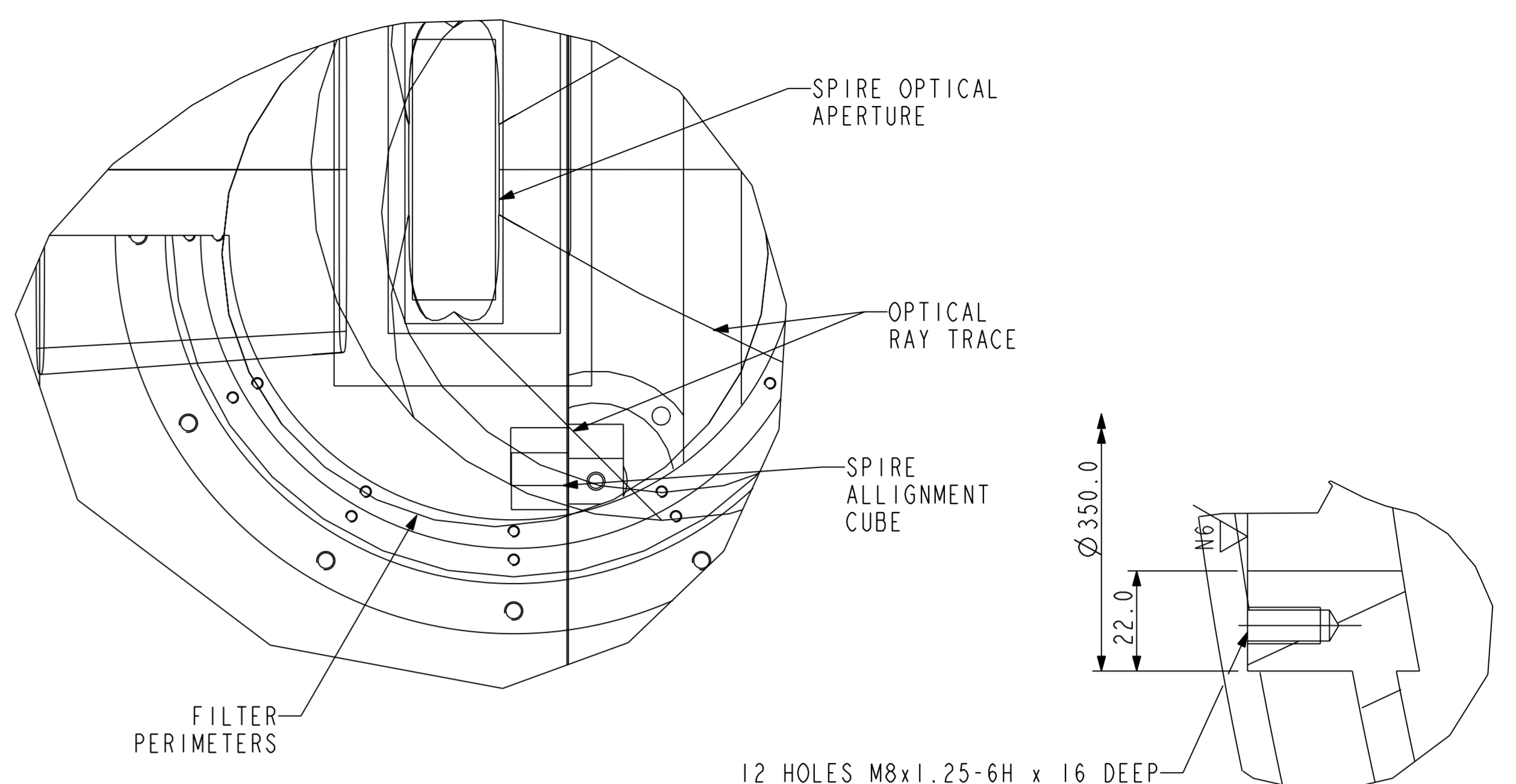


DETAIL R
SHOWING COLD CALIBRATION
4K ATTACHMENT
SCALE 1:1



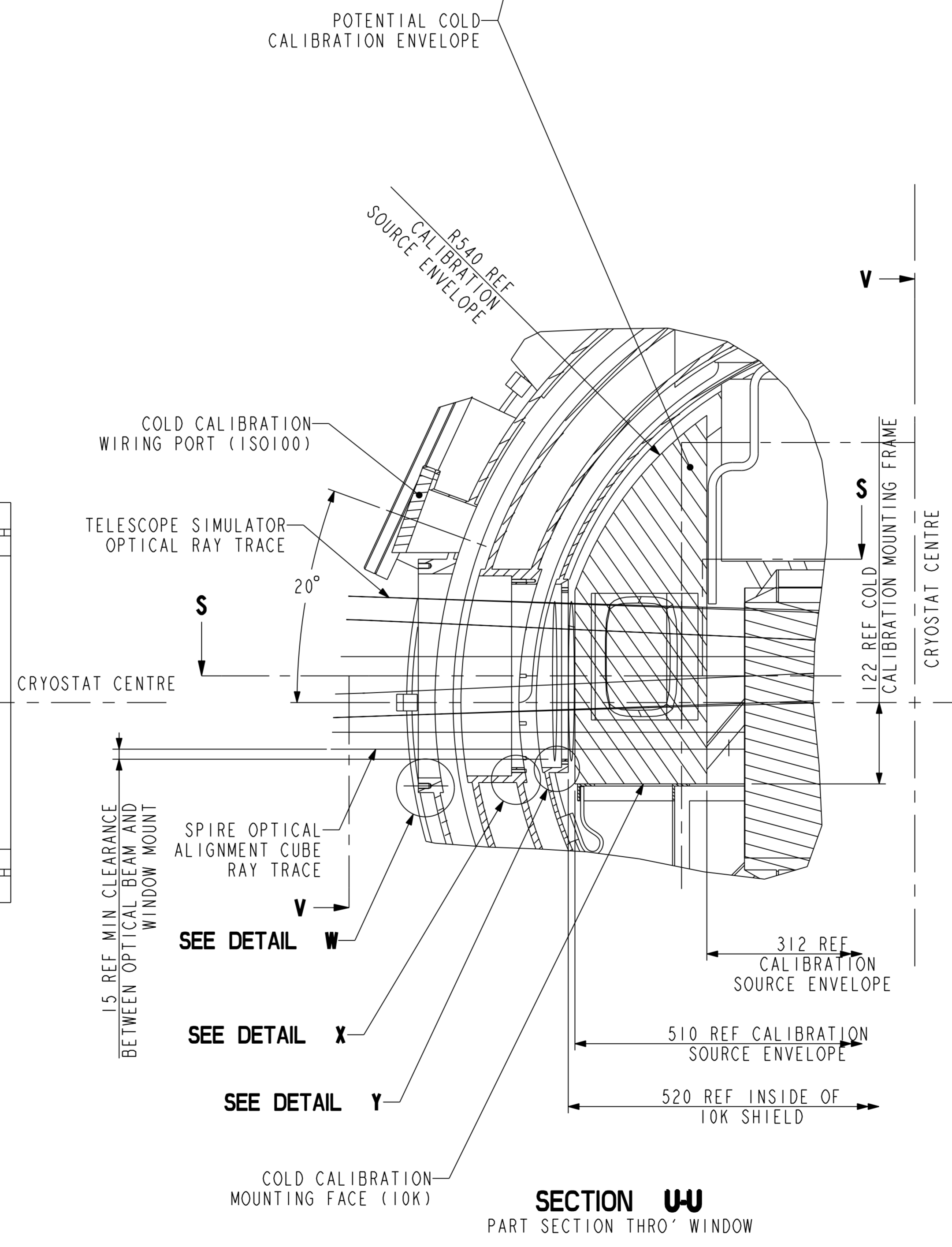
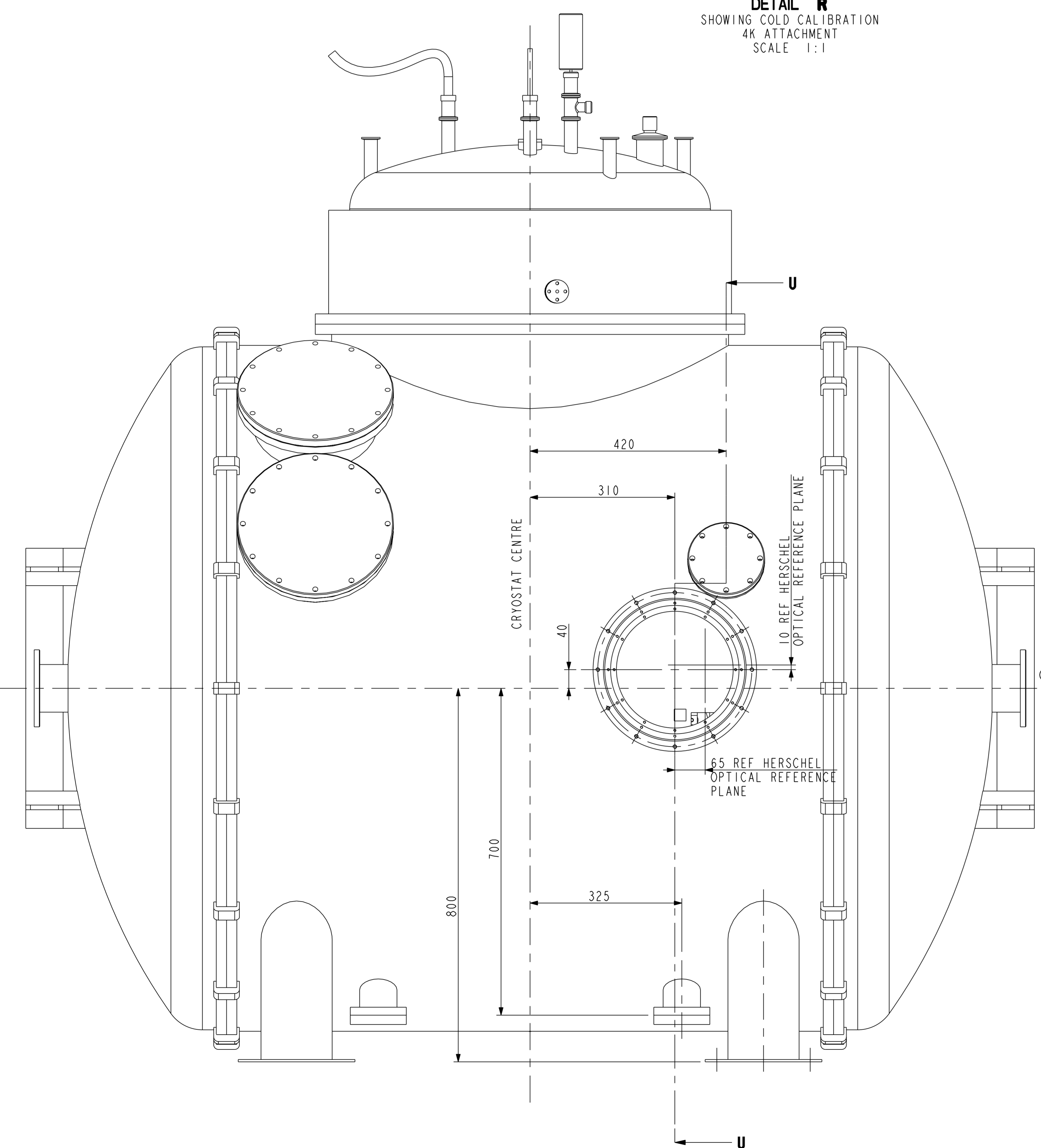
SECTION S-S



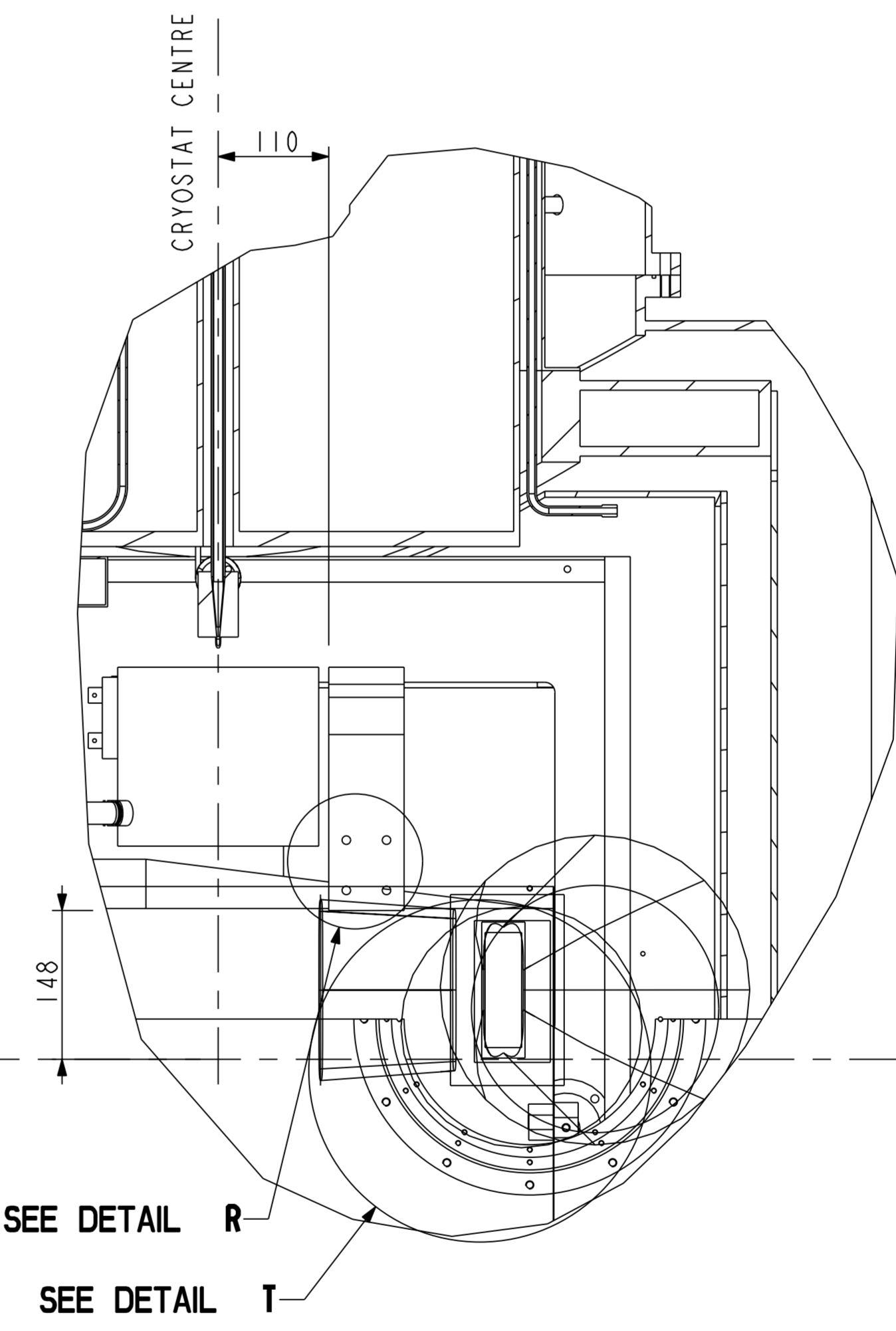
DETAIL T
SCALE 1:2

12 HOLES M8x1.25-6H x 16 DEEP
DRILL 20 DEEP, EQUI-SPACED AS
SHOWN ON 330.00 PCD

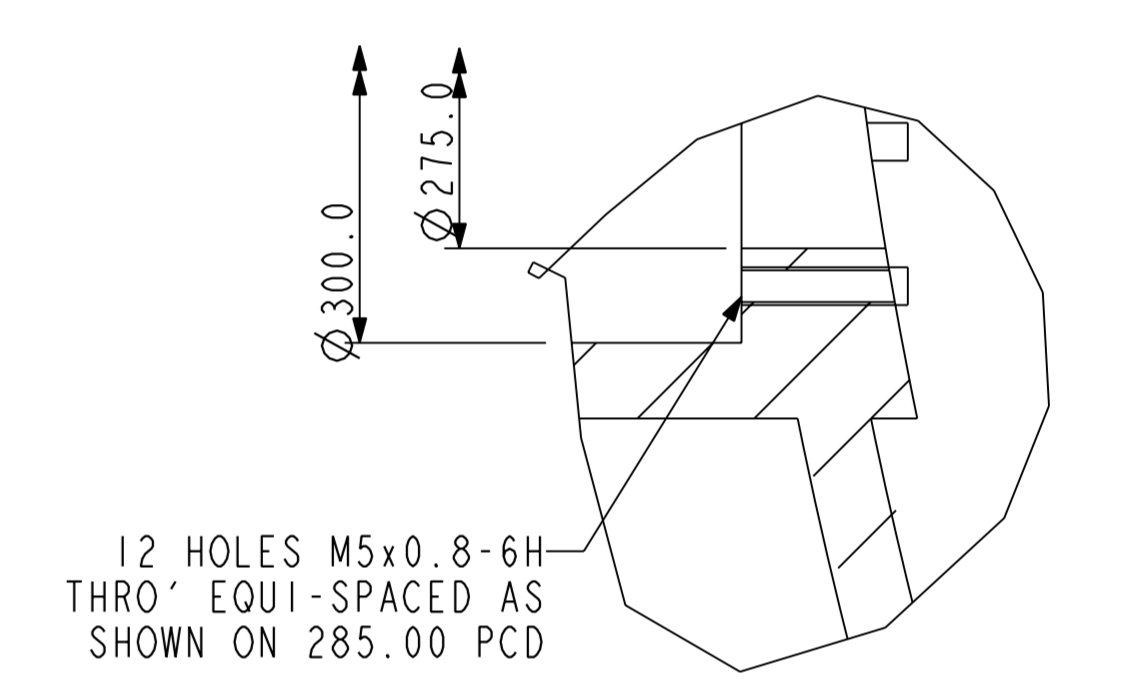
DETAIL W
SHOWING VACUUM WINDOW ATTACHMENT
SCALE 1:1



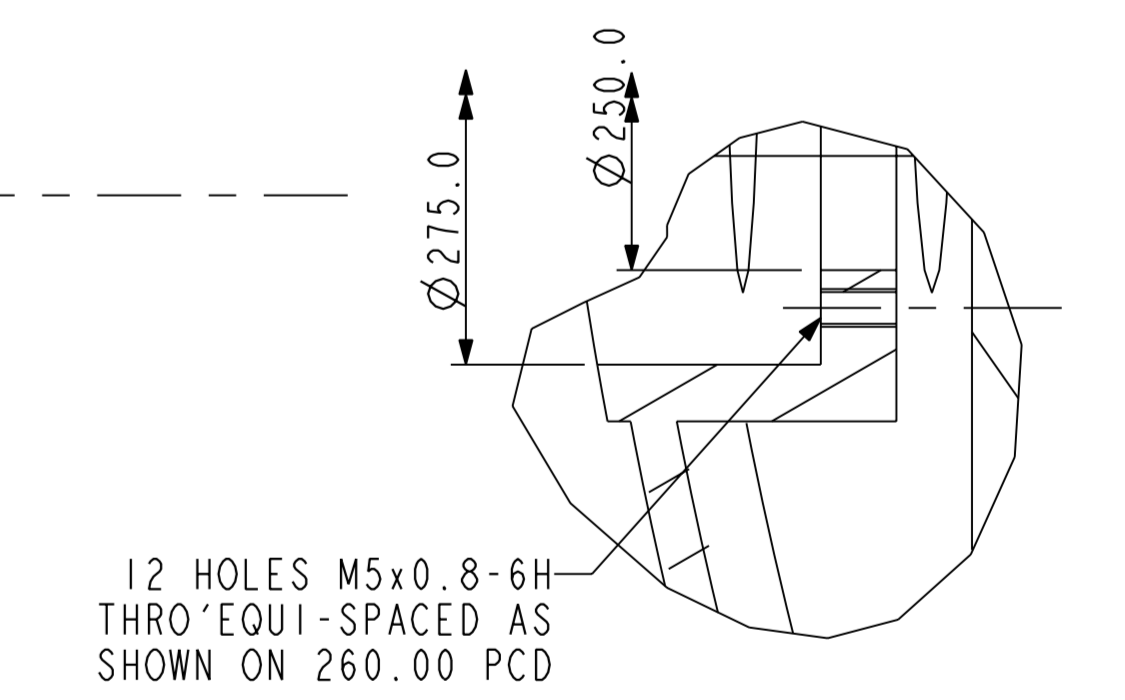
SECTION U-U
PART SECTION THRO' WINDOW



SECTION V-V
SHOWING POSITION OF COLD
CALIBRATION 4K ATTACHMENT



DETAIL X
SHOWING 7K WINDOW ATTACHMENT
SCALE 1:1



DETAIL Y
SHOWING 10K WINDOW ATTACHMENT
SCALE 1:1

- NOTES:
1. FILTER MANUFACTURE SHOULD ALLOW FOR CRYOSTAT THERMAL CONTRACTION WHEN COLD AND BE 3mm OVERSIZE ON RADIUS.
2. COLD CALIBRATION SOURCE MUST BE 10mm CLEAR FROM 10K SHIELD.
3. FOR OPTICAL COMPONENTS REF NOTE: SPIRE-RAL-NOT00622

APPROVAL	INITIAL
PROJECT MANAGER	
SYSTEMS ENGINEER	
OPTICAL ENGINEER	
THERMAL ENGINEER	
P.A.	

APPROVED

ISSUE	DATE	APPD	MOD. No.	DRN. BY	CHKD BY	APPD BY	STATUS
B	14	AUG 01		M. HARMAN			STM
TOLERANCES UNLESS STATED				FINISH		ORIGINAL SCALE	
X = ±0.5mm		X, X.X = ±0.3mm		CLEAN		1:5	
X.XX = ±0.1mm		ANG = ±0°15'		REMOVE ALL BURRS		DO NOT SCALE	
MATERIAL & SPEC.				SURFACE TEXTURE µm			
SEE DETAILS				SEE DETAILS			
				UNLESS STATED			
USED ON SPIRE							© CLRC 2001
CENTRAL LABORATORY OF THE RESEARCH COUNCILS							
TITLE							
VACUUM WINDOW, OPTICAL FILTERS & COLD CALIBRATION INTERFACE DETAILS							
HERSCHEL							SBC1600
A0 KGO710-003							SHEET 1 OF 1