

SPIRE-AST-DWG-002244

Long, JA (Judy)

From: Swinyard, BM (Bruce)
Sent: 22 November 2004 10:36
To: Long, JA (Judy)
Subject: FW: HP-ASED-EM-0894-04: Herschel Main Beam Entrance Baffles Assembly - Supplementary Information

-----Original Message-----

From: Idler, Siegmund [mailto:Siegmund.Idler@astrium.eads.net]
Sent: 22 November 2004 09:41
To: 'rok@mpe.mpg.de'; 'Peter van Leeuwen'; 'E.C.Sawyer@rl.ac.uk'; 'ohb@mpe.mpg.de'; 'Swinyard, BM (Bruce)'; 'Kees Wafelbakker'
Cc: 'Bernard.Collaudin@space.alcatel.fr'; 'Guy.Dobrovik@space.alcatel.fr'; 'hifi-prof@sron.nl'; 'carsten.scharmberg@esa.int'; Pastorino, Michel ext.Alcatel ED36 / Herschel; 'Douwe Beintema'; 'Klaas Wildeman'; 'Astrid.Heske@esa.int'; Peltz, Heinz-Willi; Kroeker, Juergen
Subject: HP-ASED-EM-0894-04: Herschel Main Beam Entrance Baffles Assembly - Supplementary Information

Dear All,

please find attached the interface drawings for the entrance baffle and the instrument baffle as supplement to the drawings provided with HP-ASED-EM-0893-04.

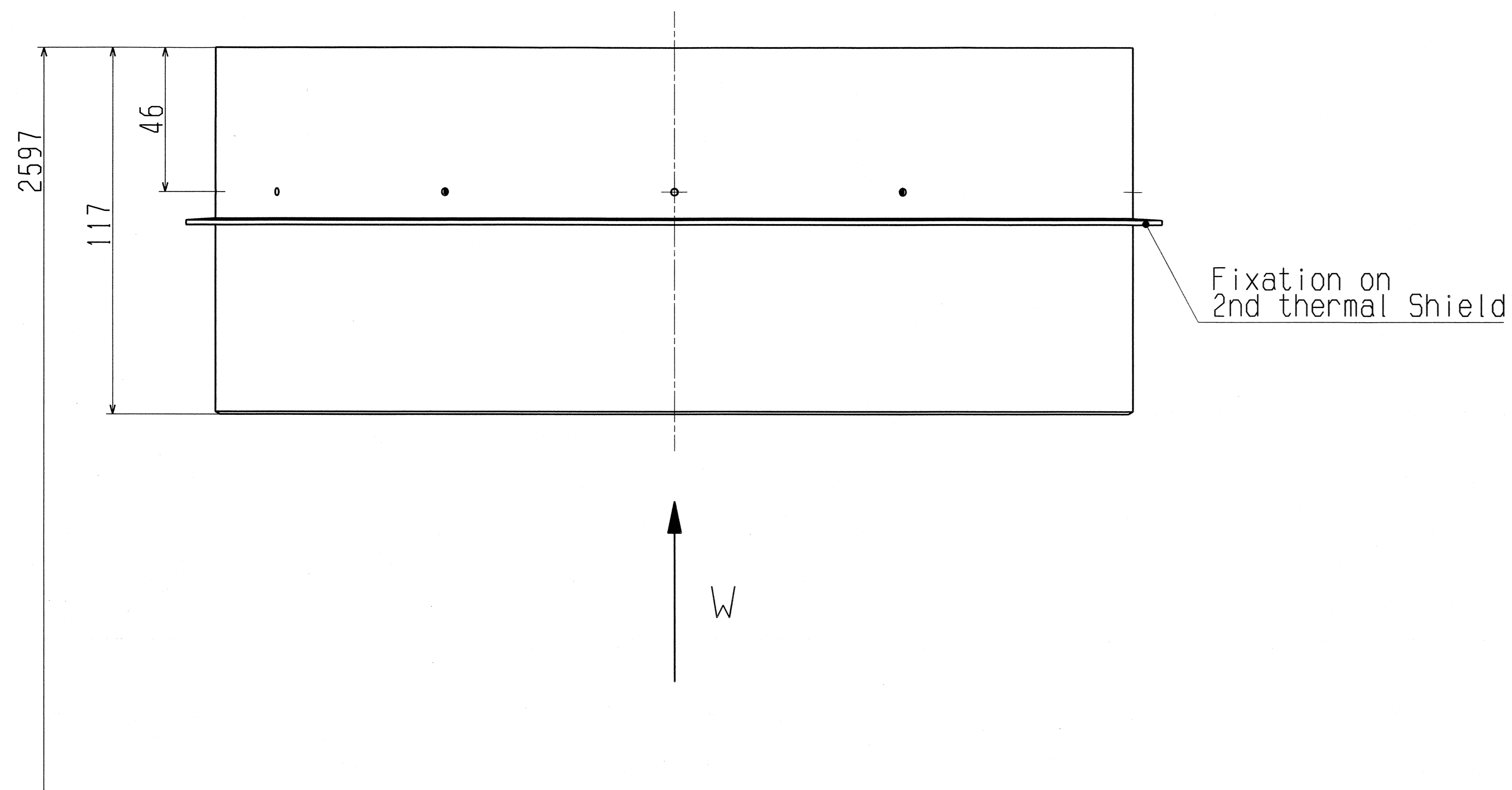
Note: The dimensions of the apertures in these drawings are valid at room temperature.

Best Regards

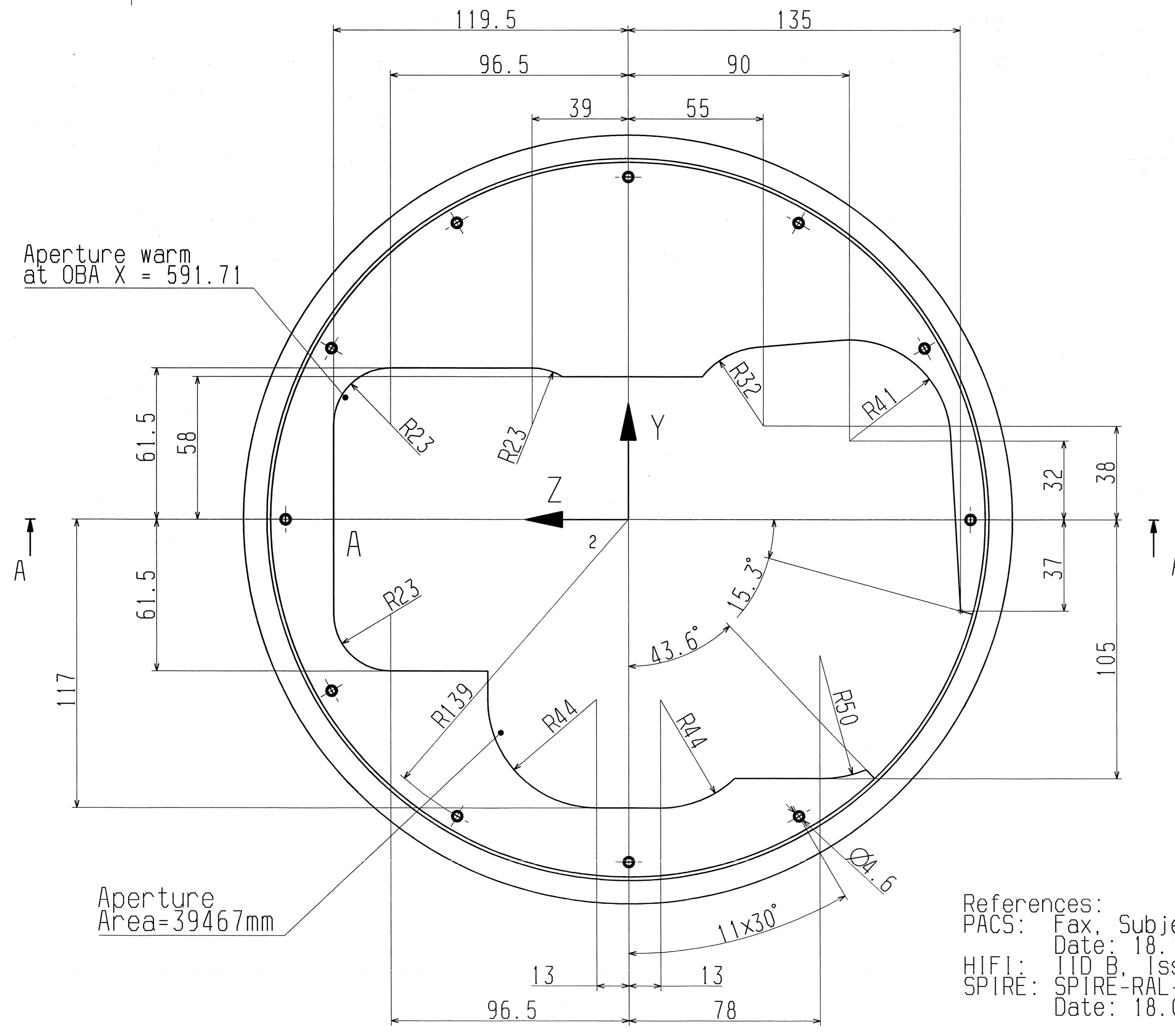
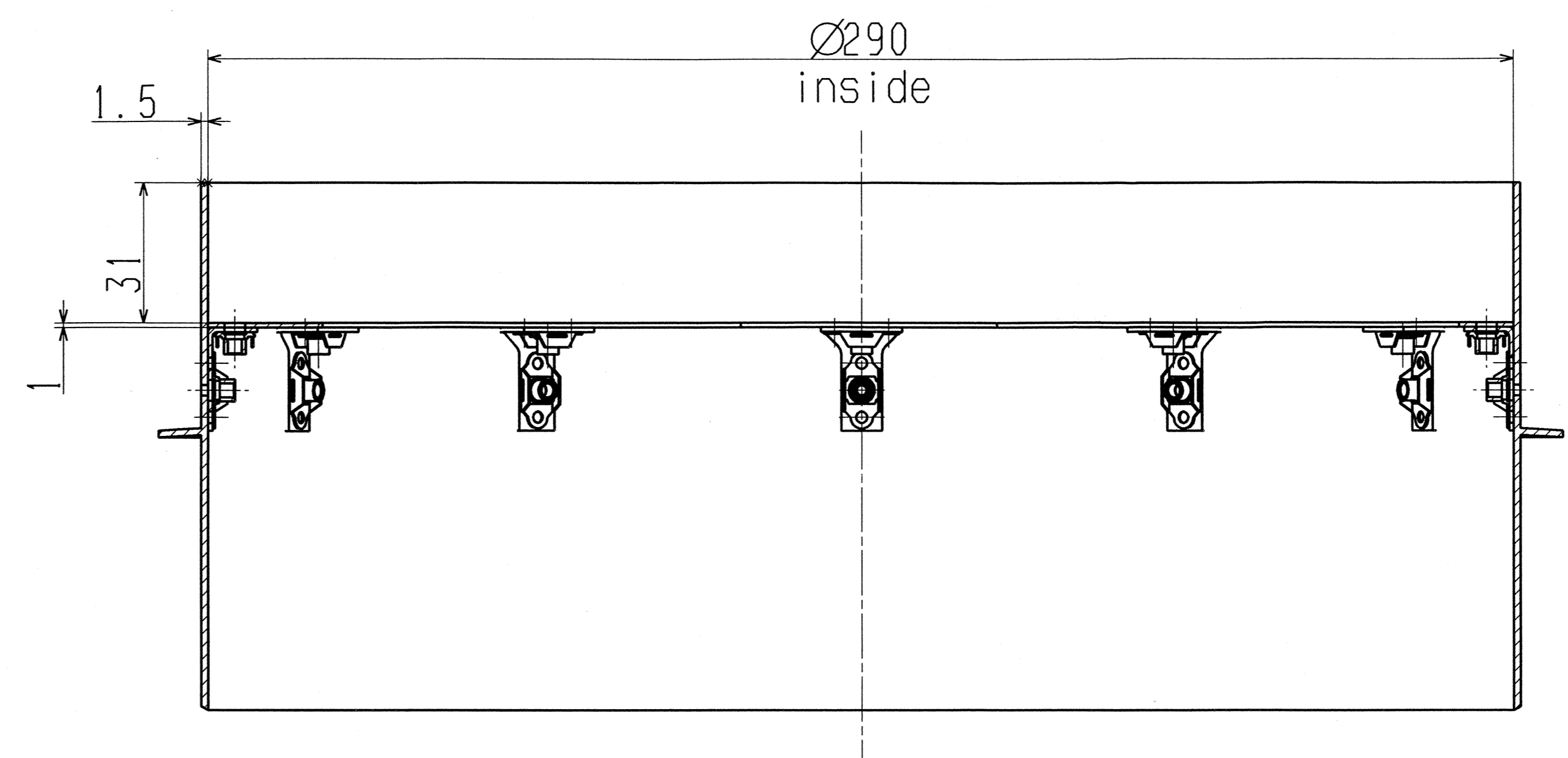
Siegmund

<<HP-2-ASED-ID-0065-01_B Entrance Baffle.pdf>> <<Pages from HP-2-ASED-IC-0007_4 Instrument Baffle.pdf>>

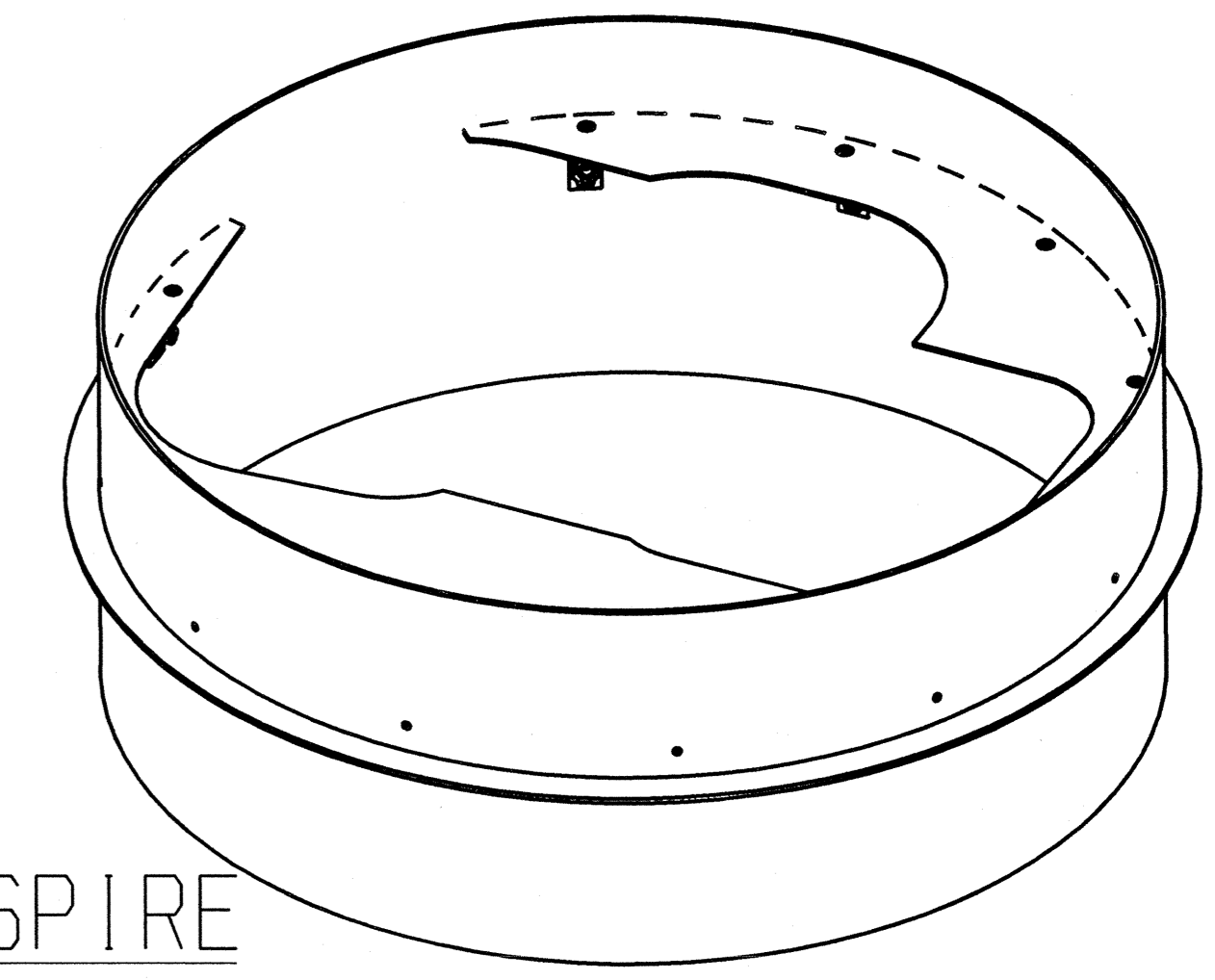
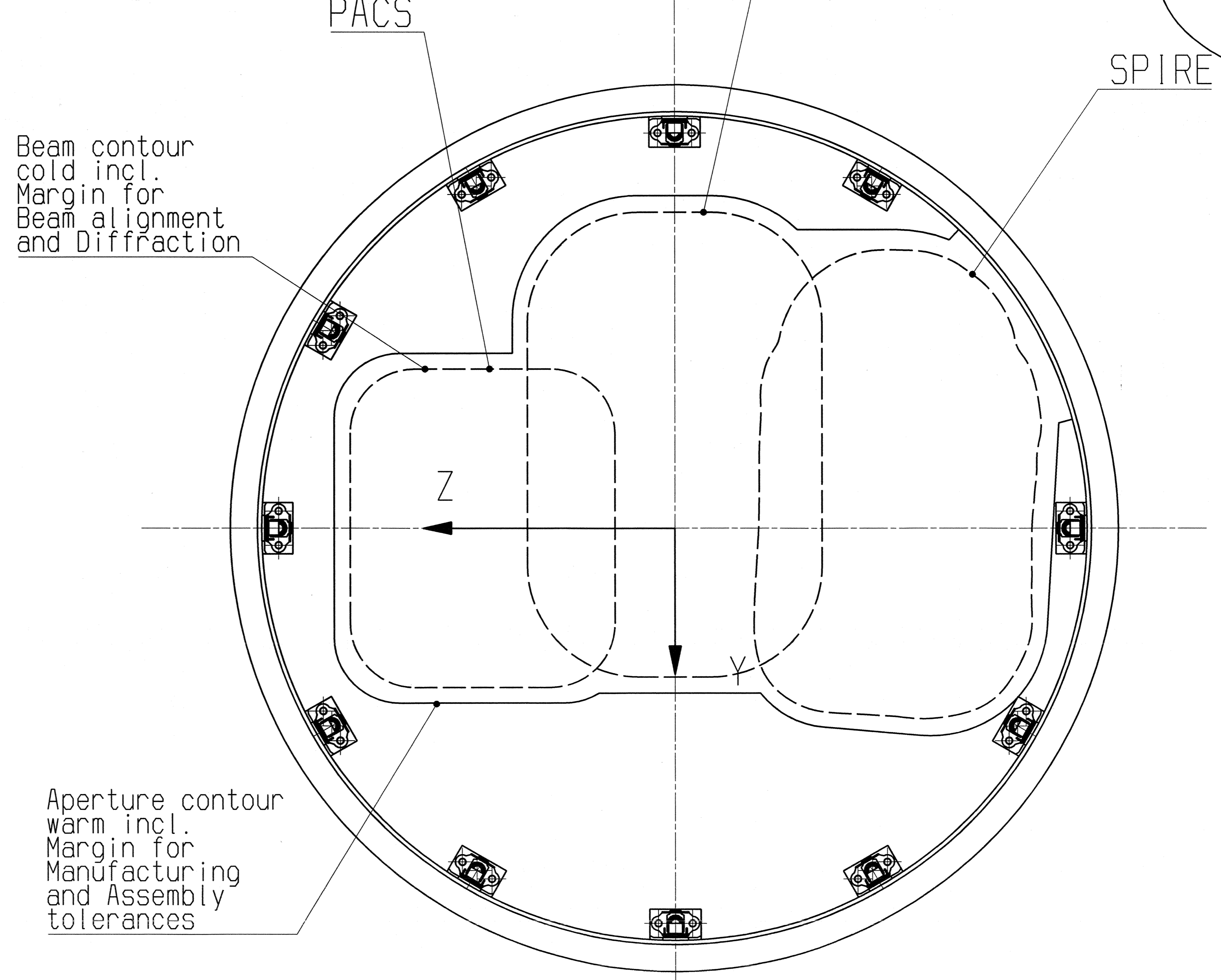
08/12/2004



SECTION A-A



View W



All Beams in Orbit conditions

100 mm im Masstab 1:1

References:
PACS: Fax, Subject: Beam at Cryobaffle 2
Date: 18.12.2003
HIFI: IID B, Issue 3, Revision 2.
SPIRE: SPIRE-RAL-NOT-001242
Date: 18.04.2002

FREI GABE		FESTIGKEIT:		VERTEILER:		DATUM:	
AUSGABE		150 2760-m		CM: W. K. B. 11.10.04		GEW.:	
H-P-2-ASED-ID-0065-01-0B		CI-121332		Herschel PFM		Blatt	
astrium		2547-121332-000-01-0B		Interface Drawing		1	
25.09.04 PELTZ		31.01.03 PELTZ		ERS. F.:		ERS. D.:	

Drawing Change List
HP-2-ASED-ID-0065-01-0B: Entrance Baffle

Related Drawing Section	Objective	Grid location	Actual Status Issue B	Previous Status Issue A
All Views	Updated	-	New Aperture of Entrance Baffle implemented	

4.3.1.1 Cut-Out Geometry of OBS baffle Aperture

The cut-out geometry of the OBS entrance baffle aperture is defined in Figure 4.3.1.1-1 as minimum allowable aperture w.r.t. the nominal co-ordinate system. The manufacturing and OBS integration radial tolerance w.r.t. the nominal OBA coordinate system is +2mm / -0mm (radial)

The inside diameter of the entrance baffle is : $\varnothing 308\text{mm}$

The outside diameter of the upper flange is: $\varnothing 330\text{mm}$

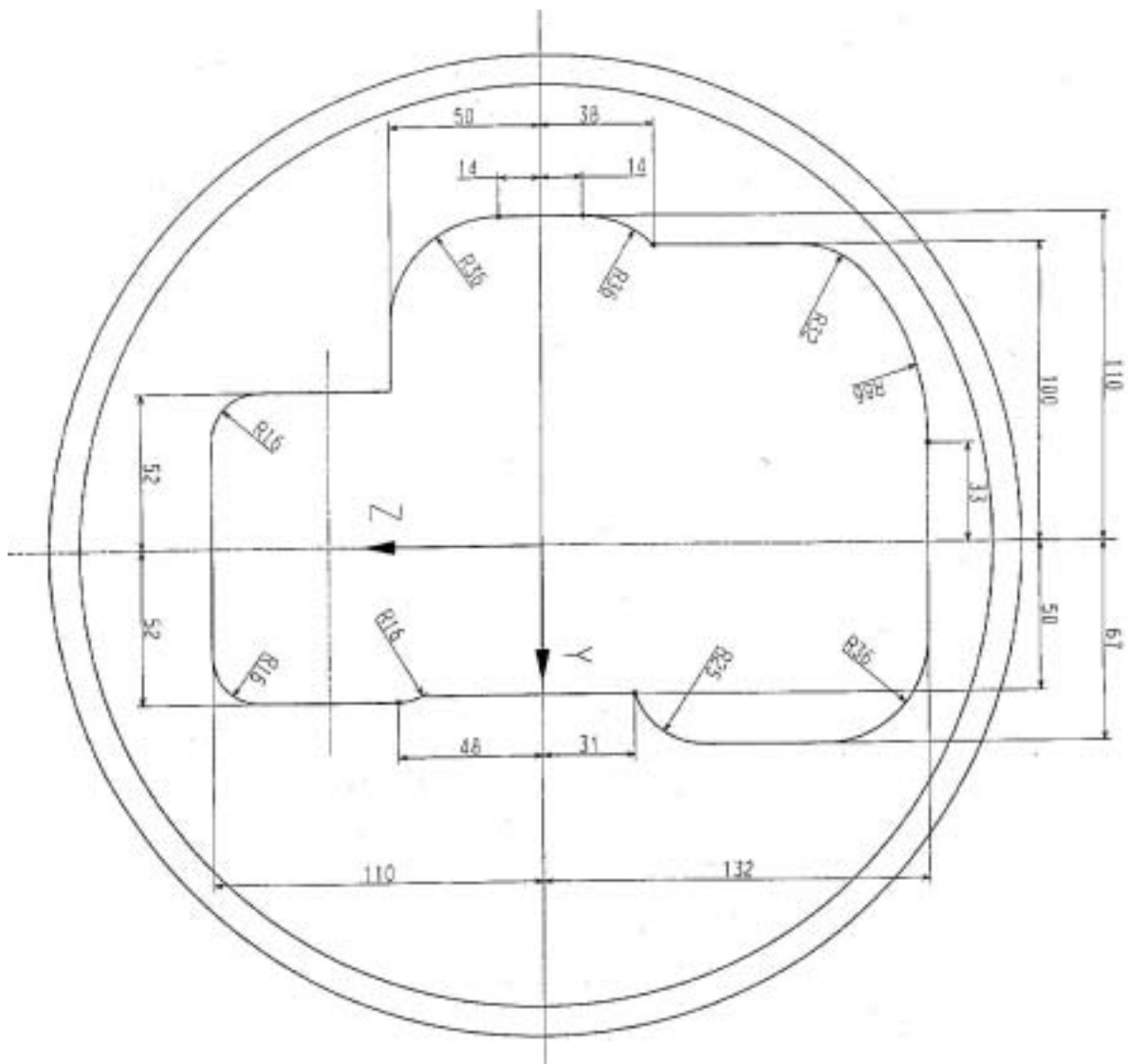


Figure 4.3.1.1-1 : Cut-out geometry of OBS aperture. Minimum allowable aperture. (Shown from -X-direction)