
Spacecraft accessibility

Annex 5

Figures A.5.a, A.5.b, A.5.c and A.5.d show a projection of the interior of the fairing and SPELDA. They show which areas are authorized, subject to negotiation, or prohibited for the location of access doors. The standard version includes two access doors per spacecraft with an effective aperture 450 mm wide.

Access through the SYLDA shell is provided by apertures designed to suit each mission according to the specific requirements of the spacecraft, within the following limits:

- Max. number of apertures: 4,
- Dimensions: each aperture required must be inscribed within a 200 x 200 mm square,

- The distance between the centres of the circumscribed circles of two adjacent apertures must be greater than the sum of the diameters of these circles,
- Location areas for the apertures are shown in the annex related to the SYLDA. Their exact positions are determined by agreement with Arianespace.

The position of the apertures required in the SYLDA will be optimised to align with the fairing doors.

Any request for apertures outside the above limits will be subject to a special feasibility study.

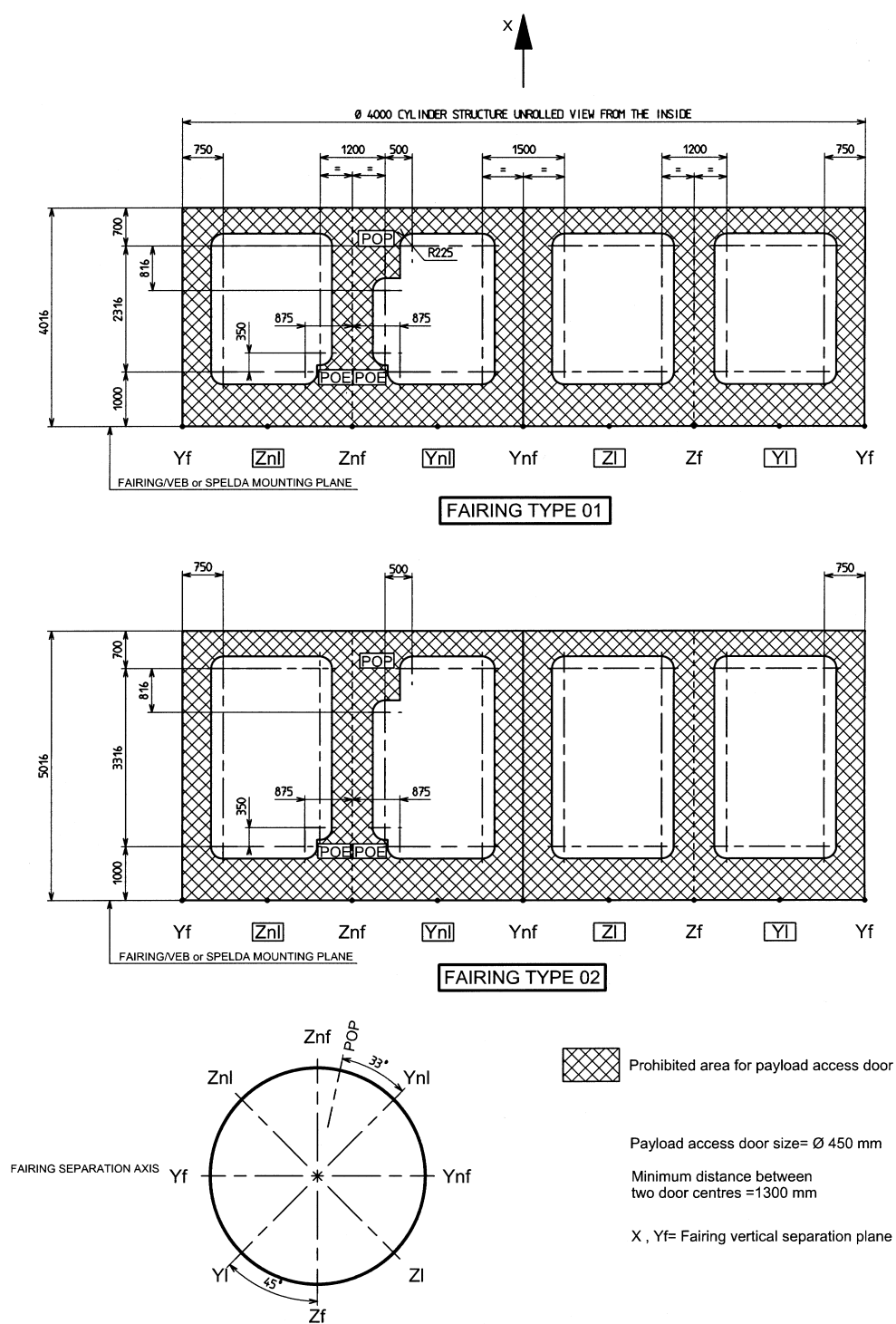
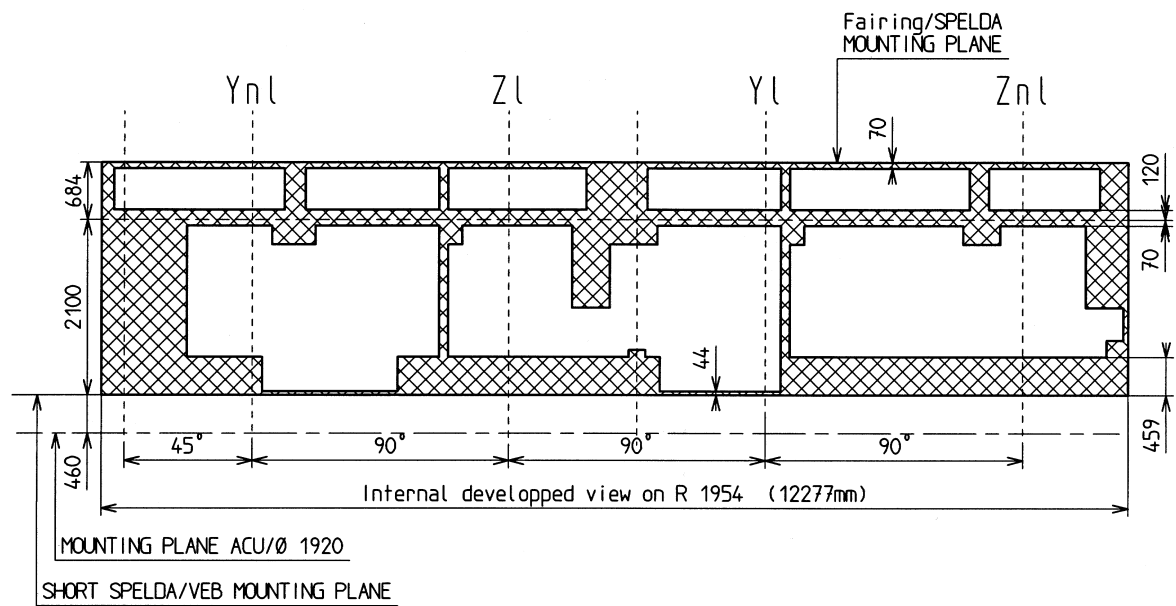

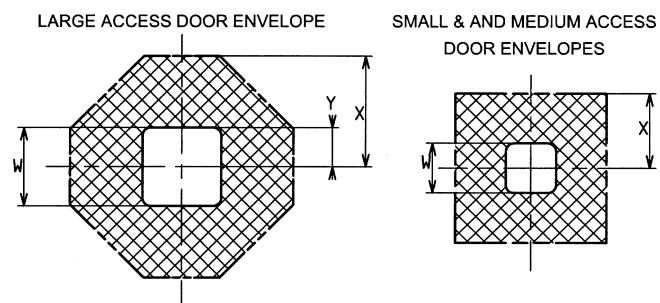


Fig. A5.a – Locations and dimensions of fairing doors

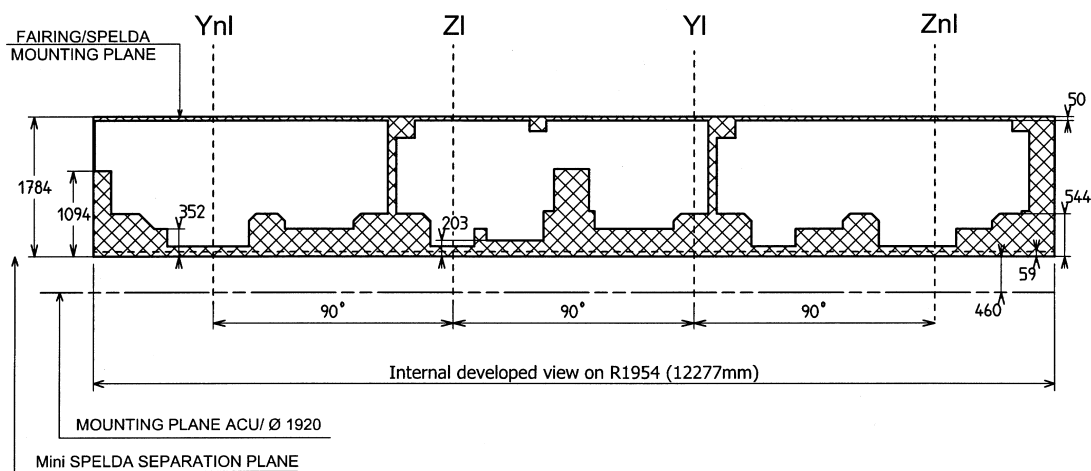



 Prohibited area for payload access door envelopes

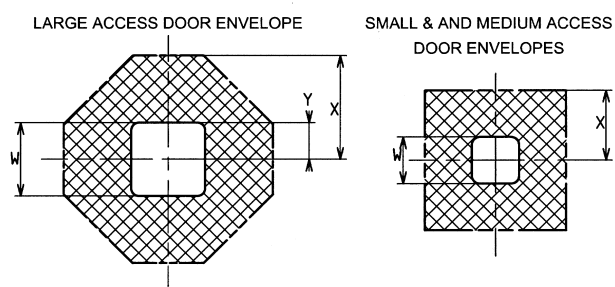


DESCRIPTION	DIM. W	DIM. X	DIM. Y
SMALL DOOR	159	225	-
MEDIUM DOOR	300	450	-
LARGE DOOR	473	669	277

Fig. A5.b – Locations and dimensions of short SPELDA doors

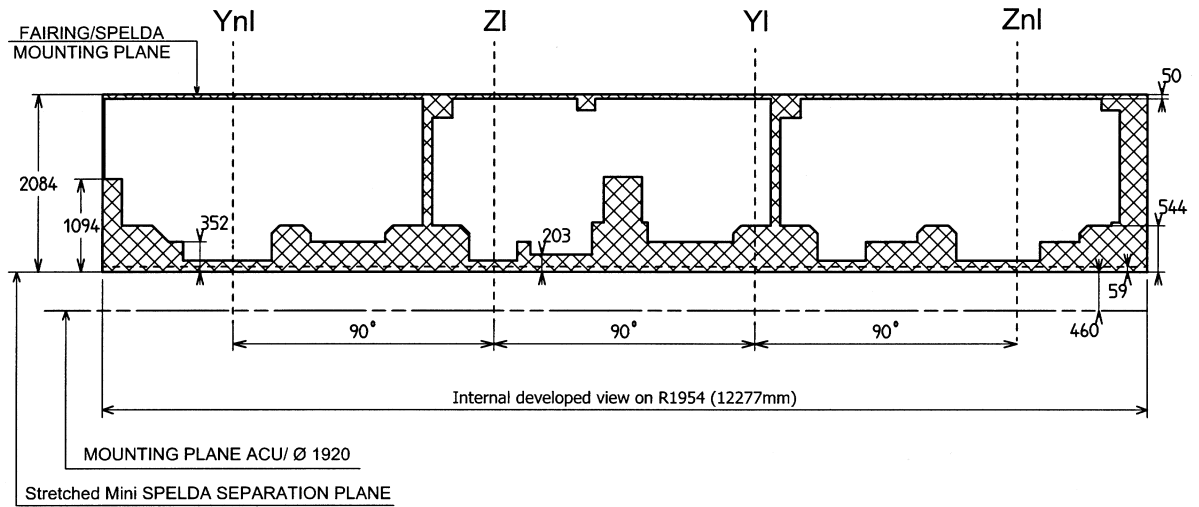



 Prohibited area for payload access door envelopes

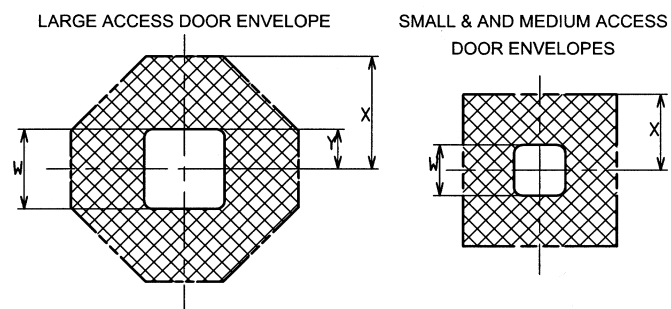


DESCRIPTION	DIM. W	DIM. X	DIM. Y
SMALL DOOR	159	225	-
MEDIUM DOOR	300	450	-
LARGE DOOR	473	669	277

Fig. A5.c – Locations and dimensions of mini SPELDA doors



 Prohibited area for payload access door envelopes



DESCRIPTION	DIM. W	DIM. X	DIM. Y
SMALL DOOR	159	225	-
MEDIUM DOOR	300	450	-
LARGE DOOR	473	669	277

Fig. A5.d – Locations and dimensions of stretched mini SPELDA doors