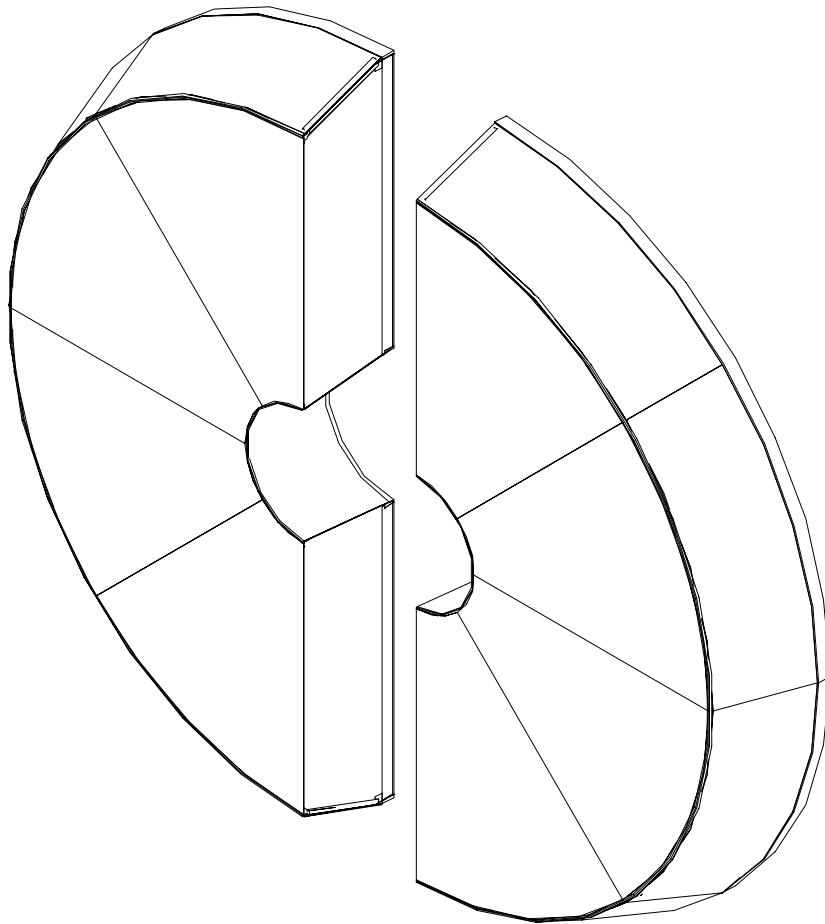


EE Engineering Design Review - 06

3.5. EE Environmental Shield



A.Surkov
CERN, CMS Integration Center

A.Levin, E.Skvortsova
IHEP, Protvino

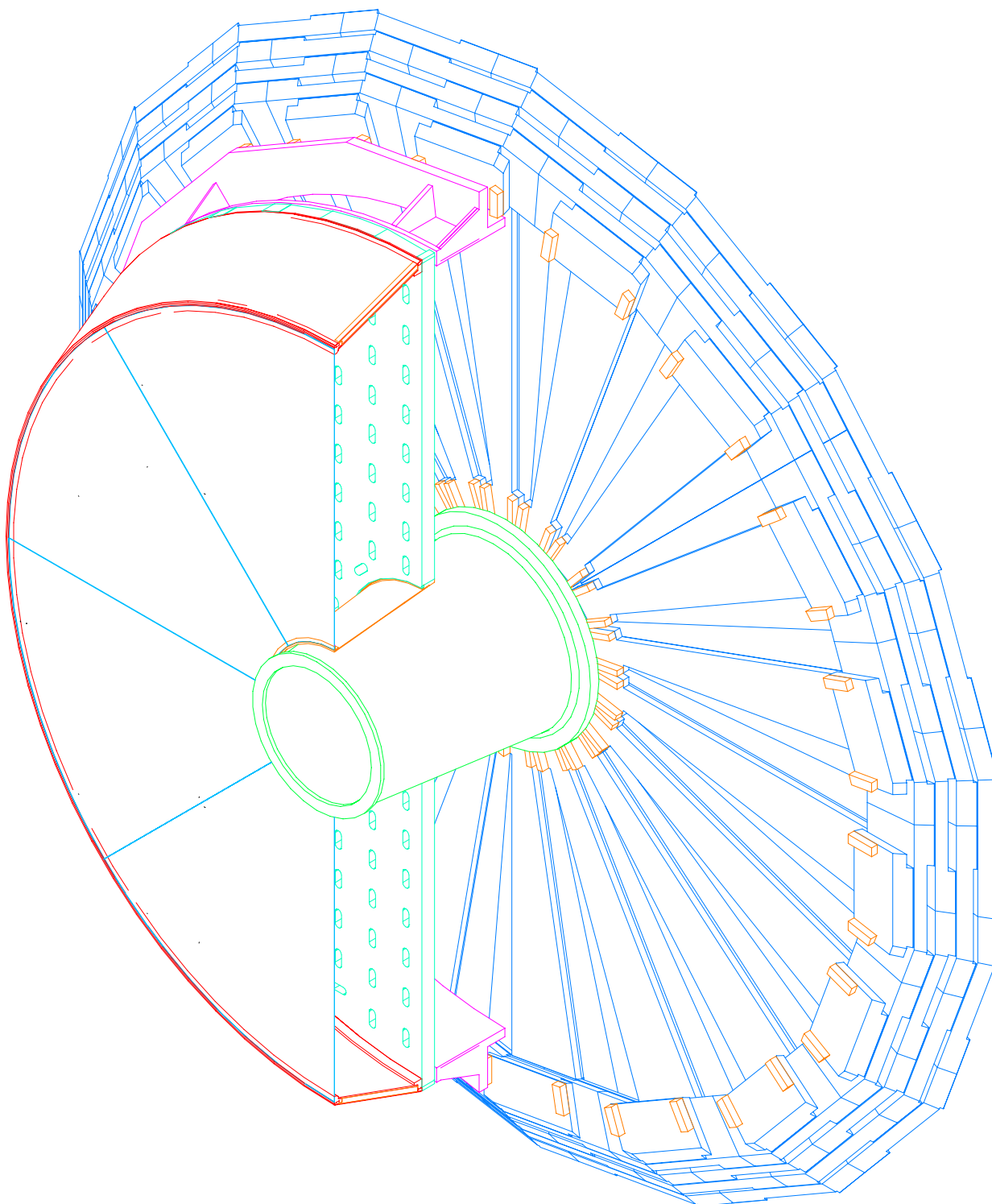


Figure 3.5.1 Overall view of the EE environmental shield.

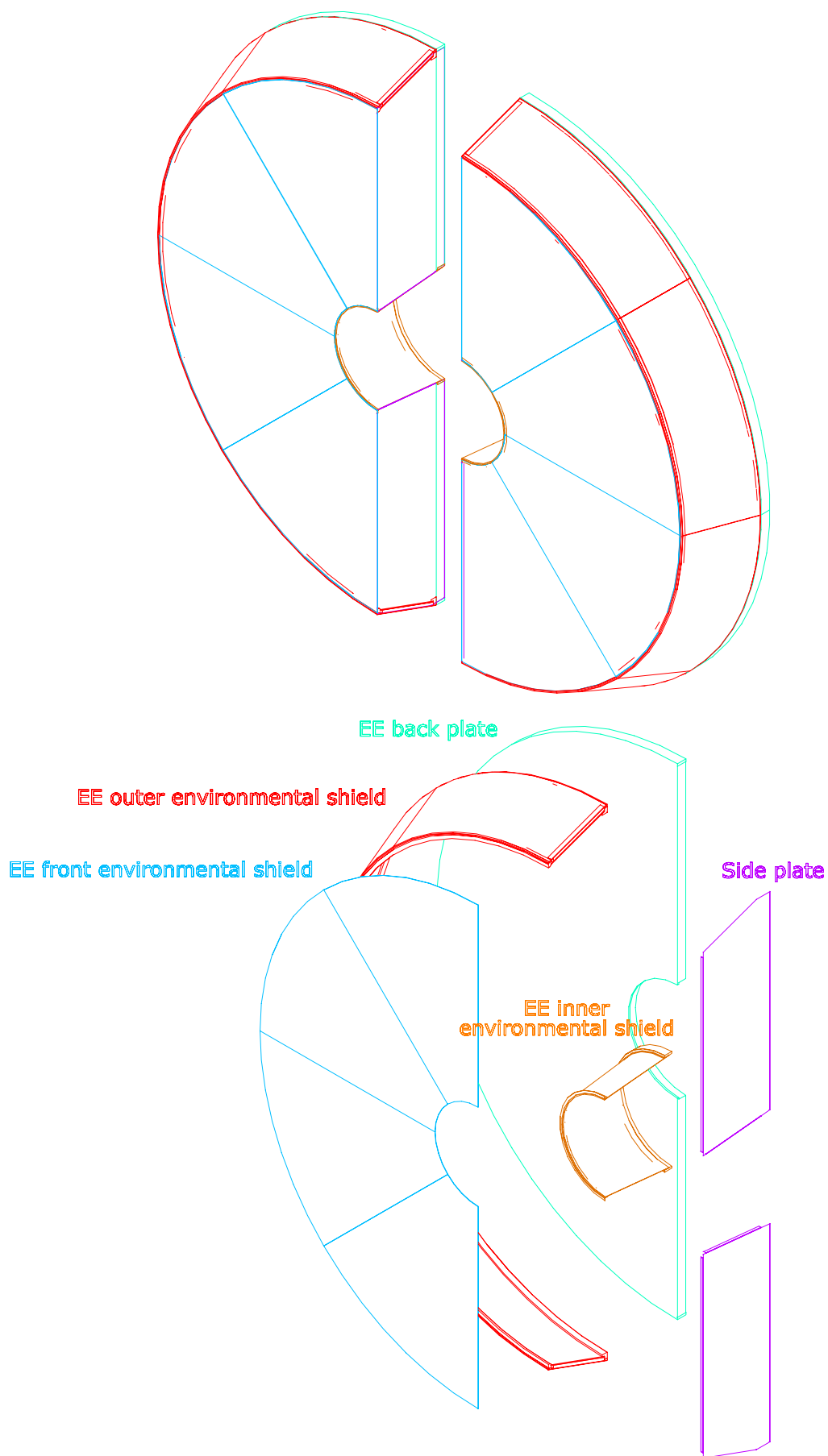


Figure 3.5.2 Component parts of the EE environmental shield.

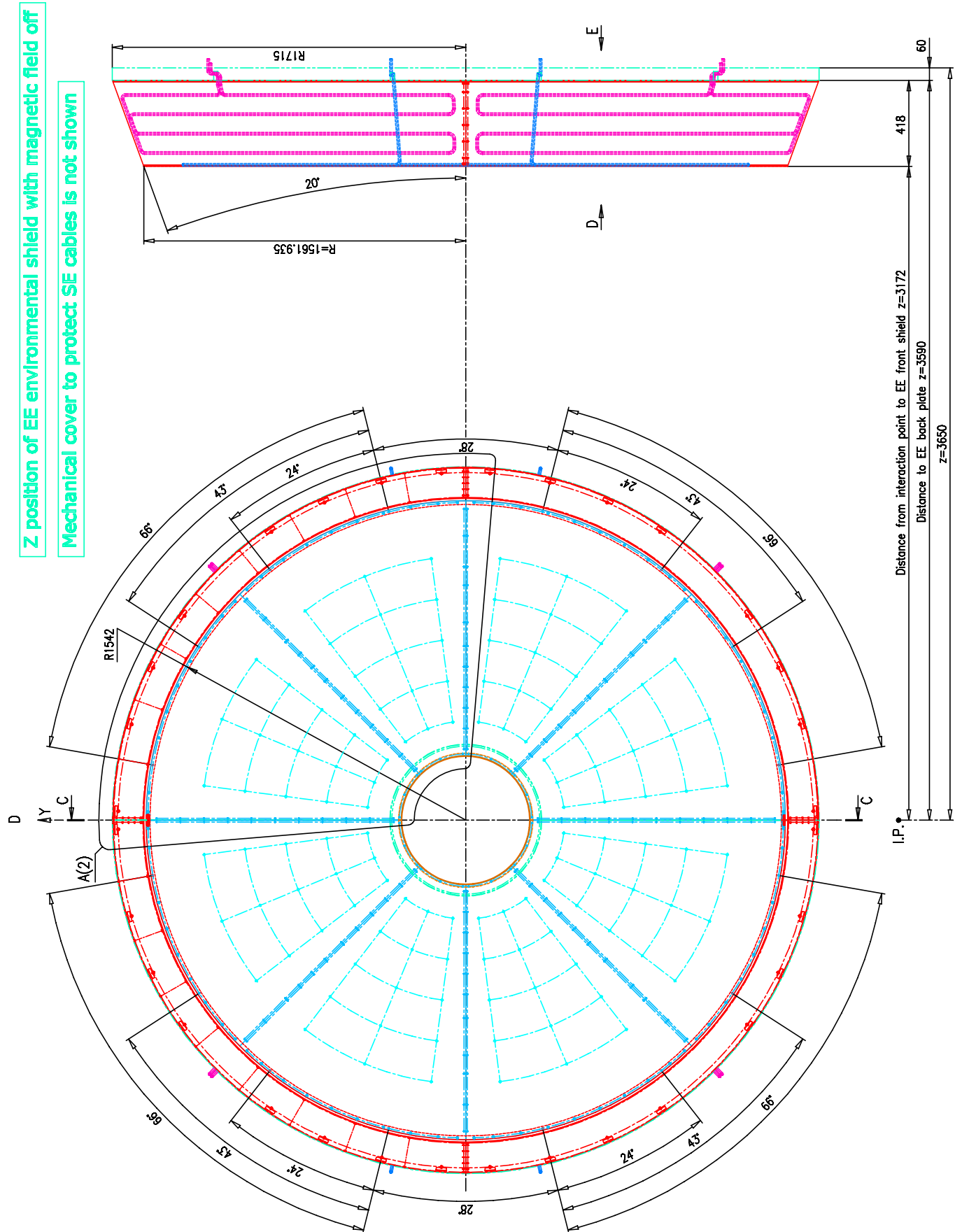


Figure 3.5.3 EE environmental shield design (front and side view).

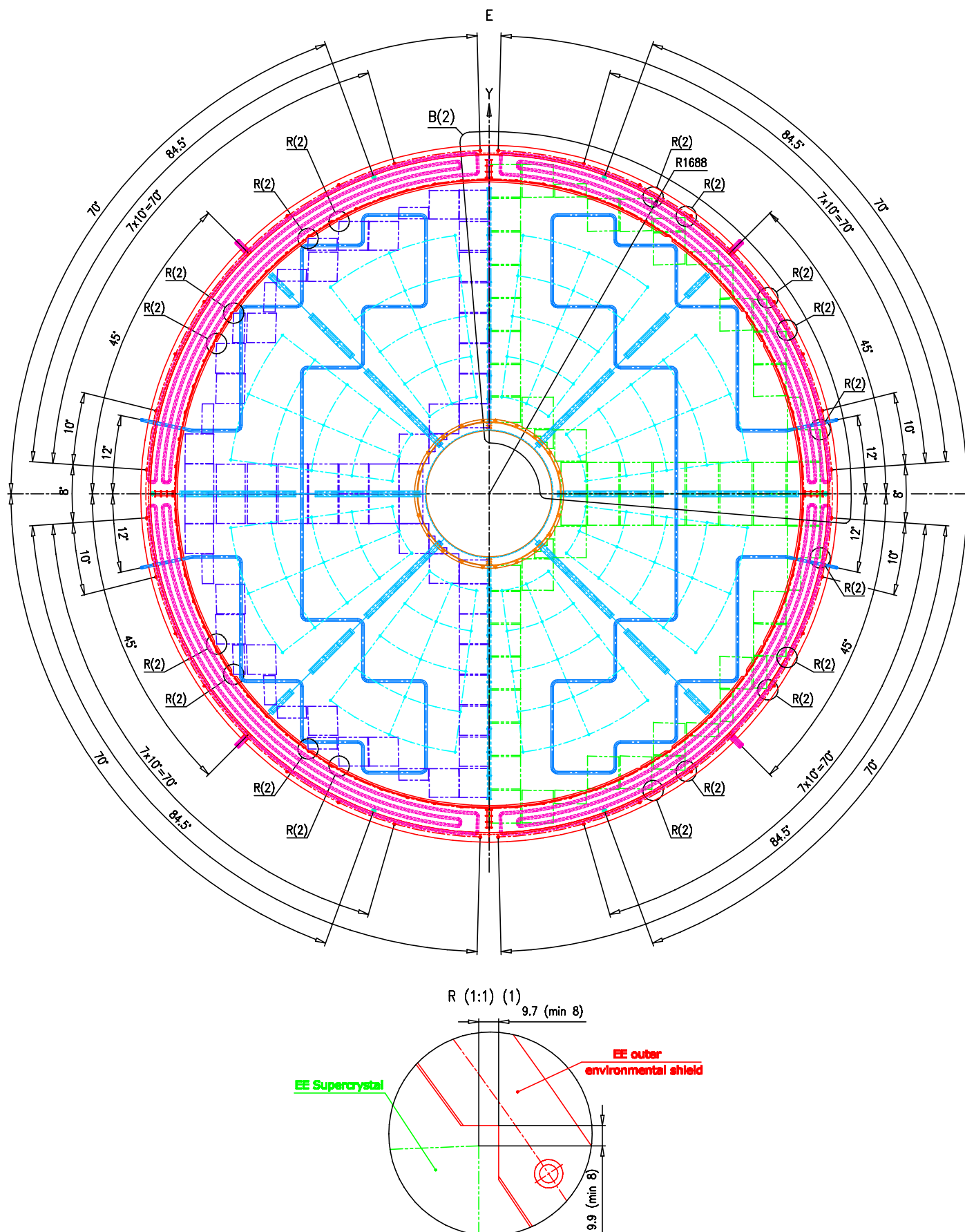
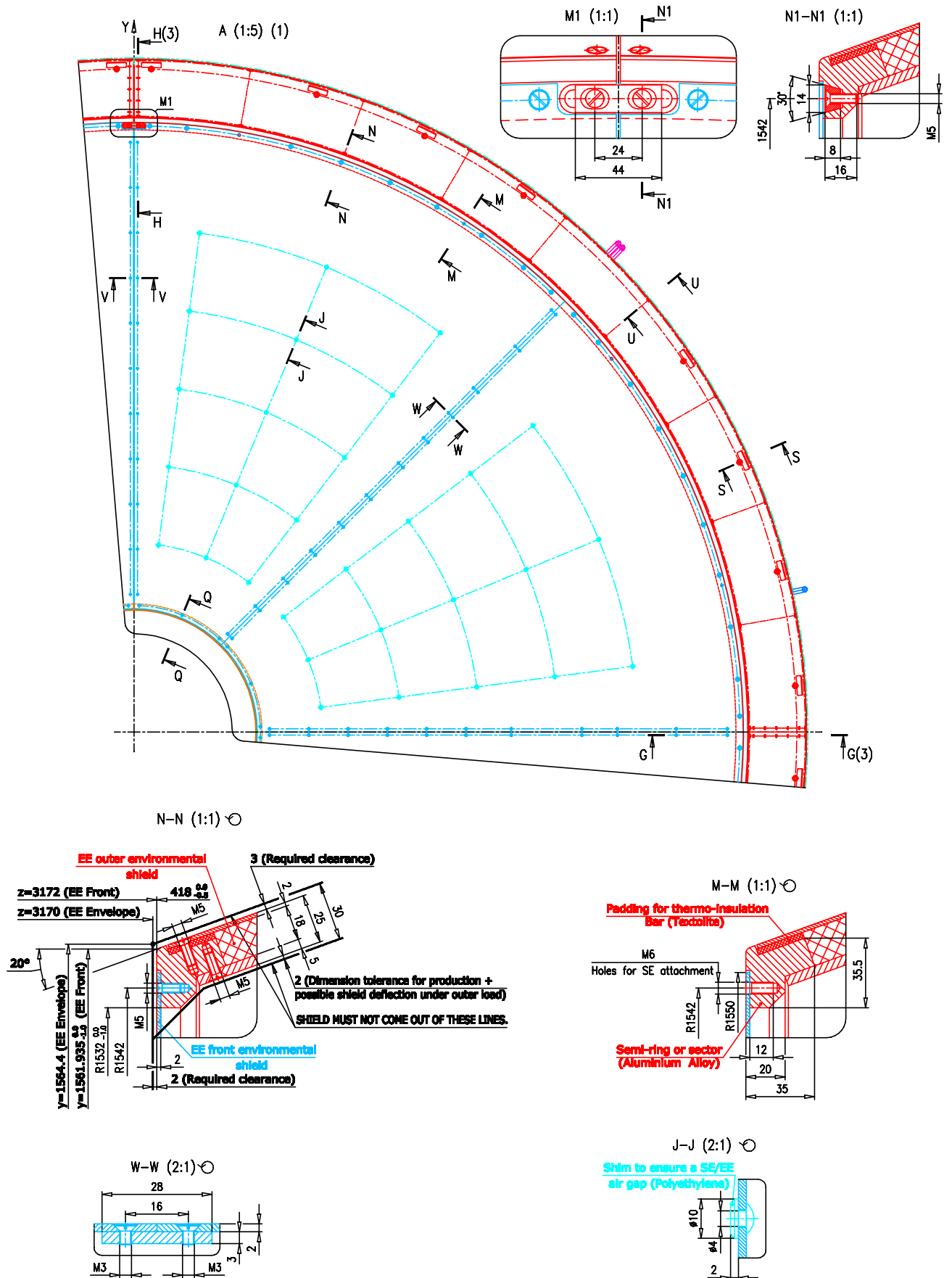


Figure 3.5.4 EE environmental shield design (back view).





Chapter 3. Major mechanics.

Figure 3.5.7 Details of the outer environmental shield.

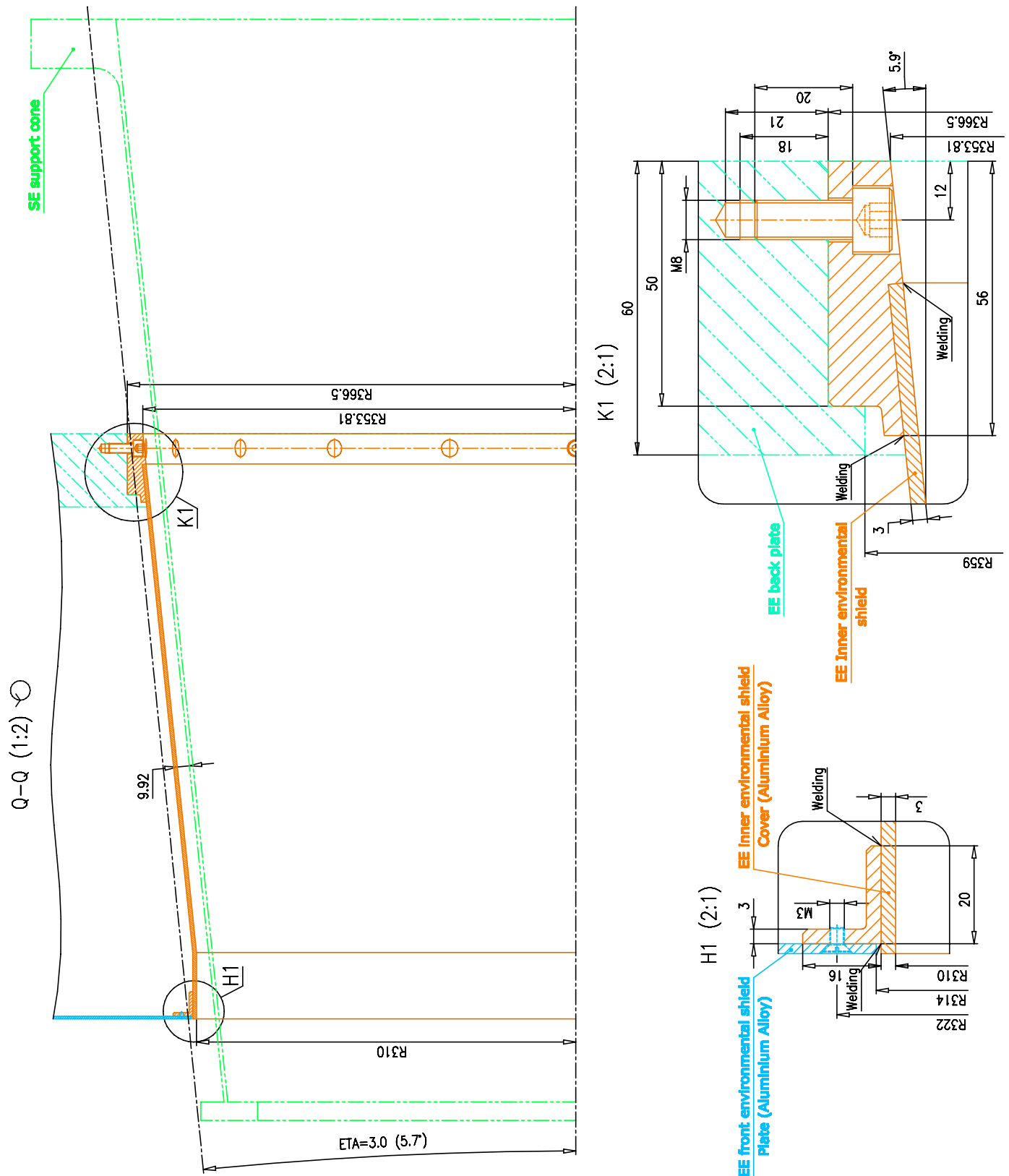
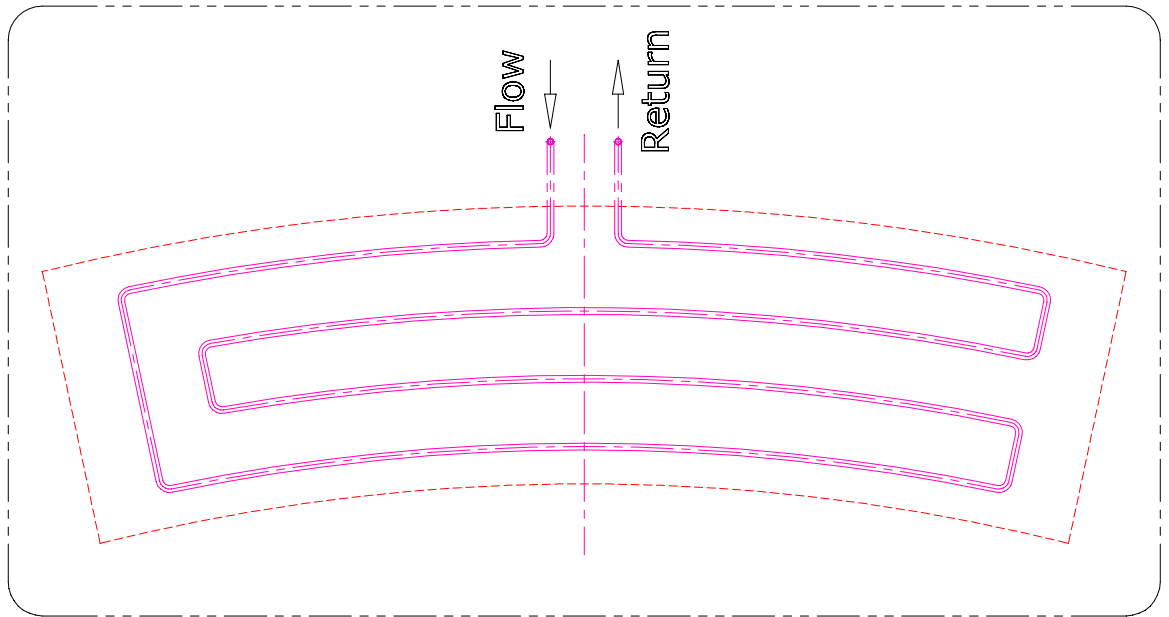


Figure 3.5.8 Details of the inner environmental shield.

Outer environmental shield
(X2 per Dee)



Front environmental shield
(X1 per Dee)

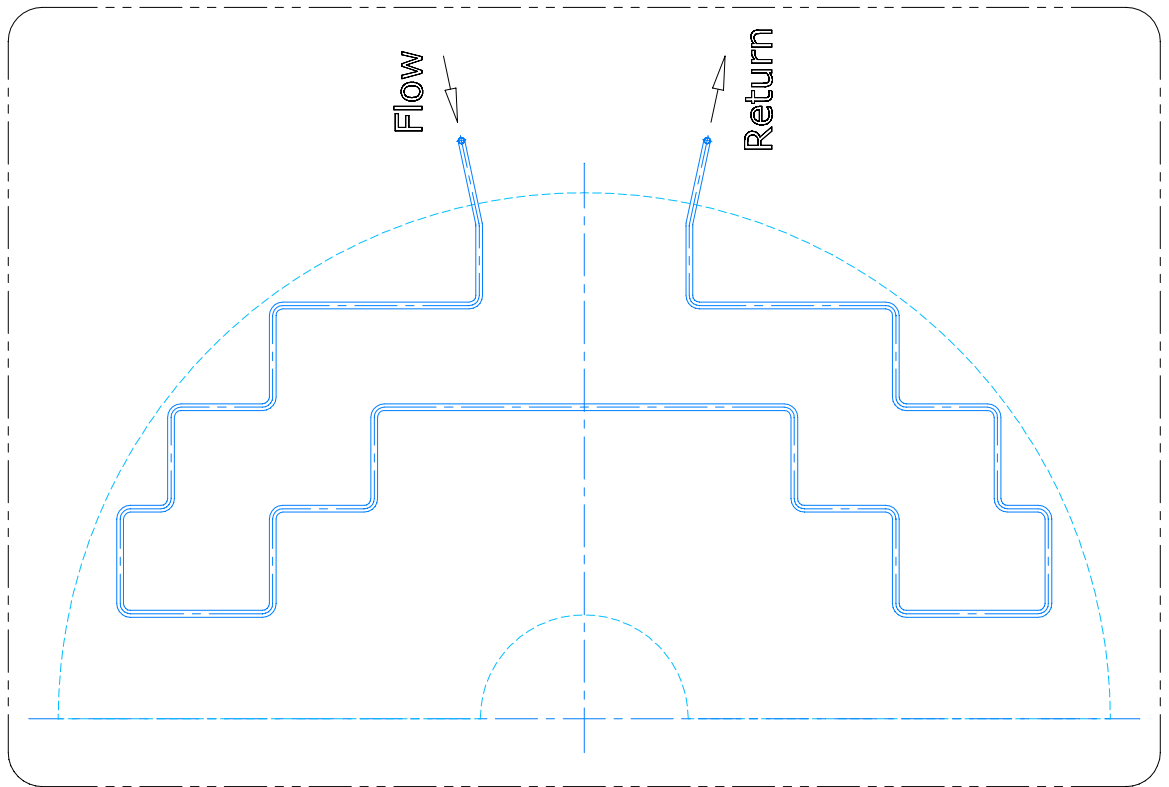


Figure 3.5.9 Scheme of the cooling circuit for a single Dee.

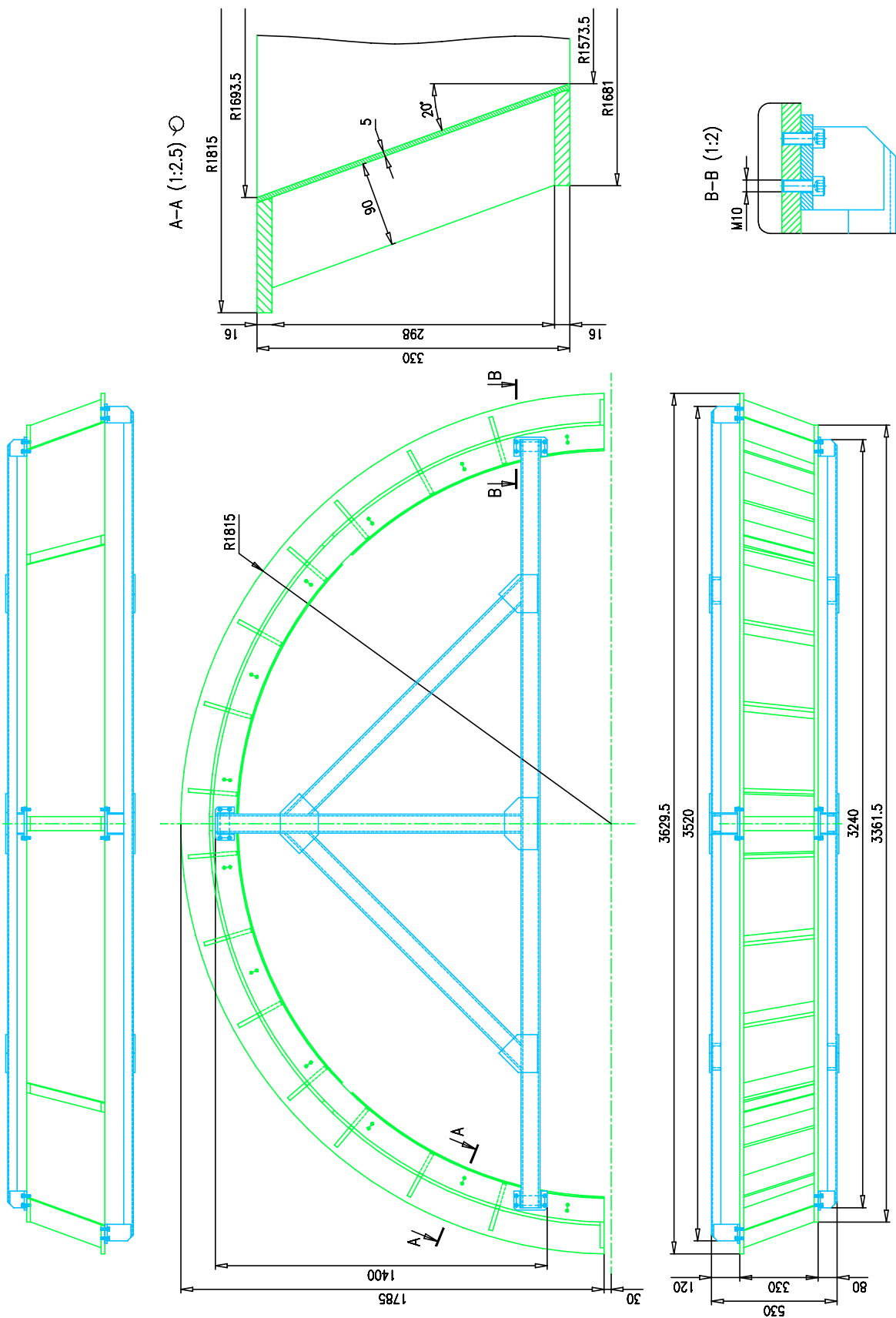


Figure 3.5.10 Tooling design for the EE environmental shield assembly and installation.

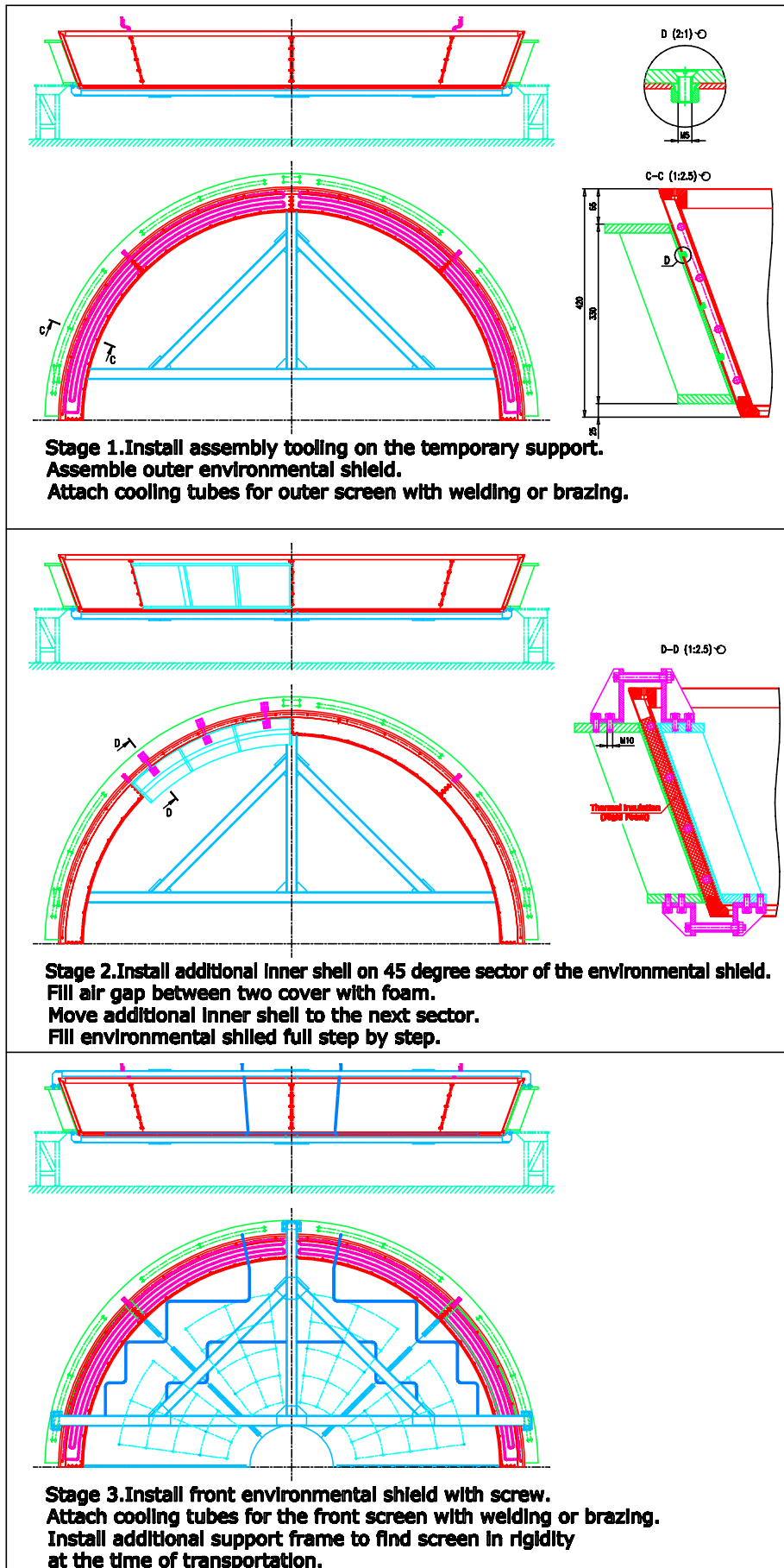


Figure 3.5.11 Technology of the EE environmental shield assembly.