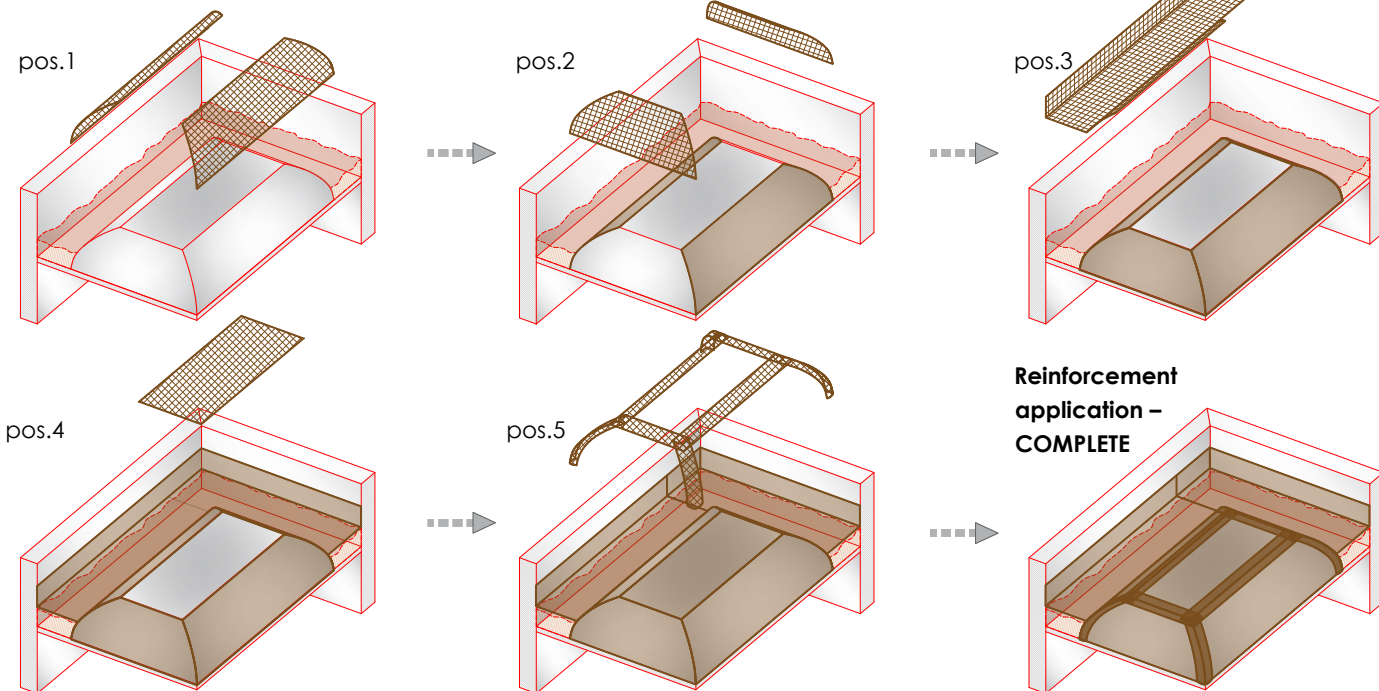
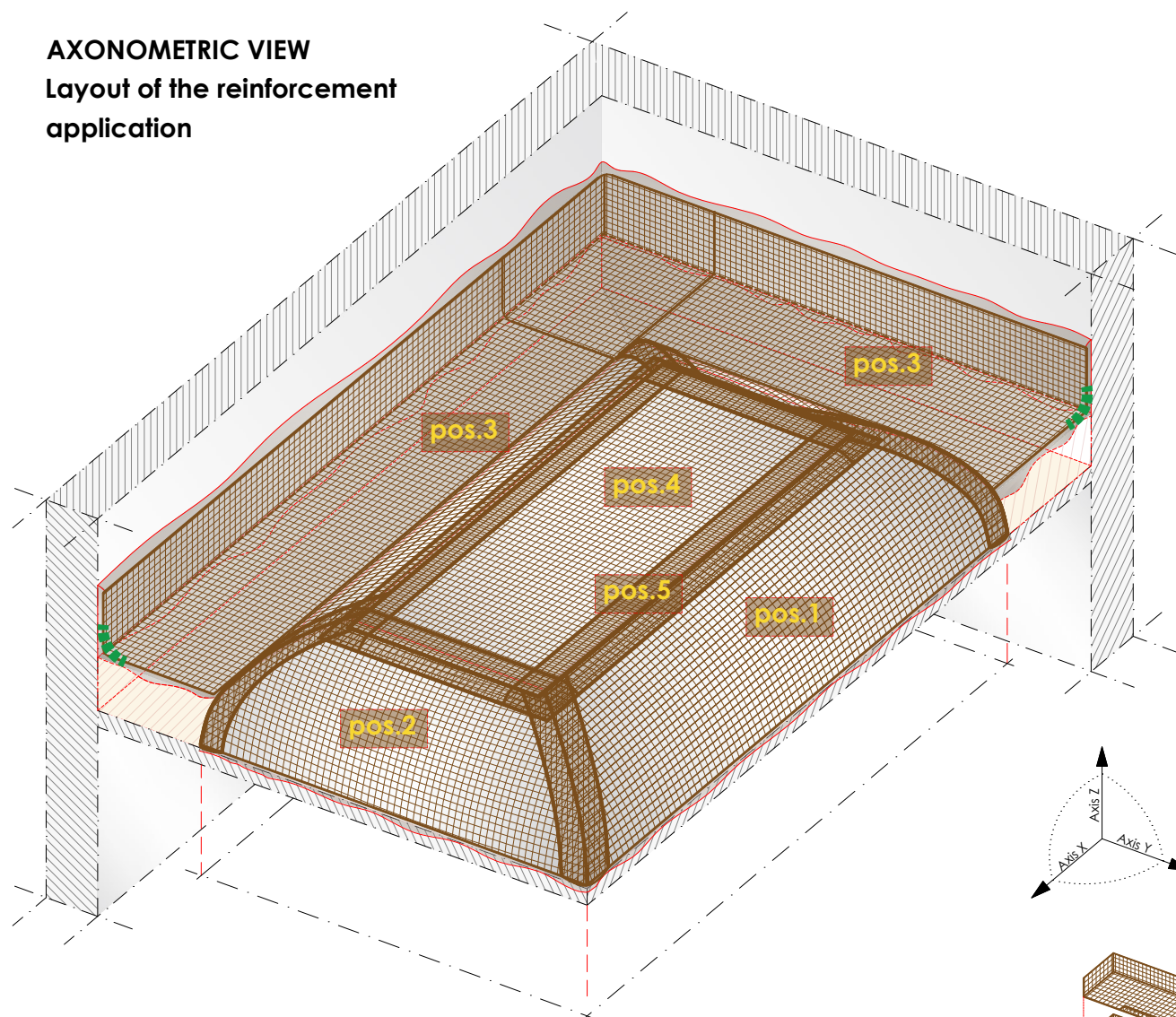




AXONOMETRIC VIEW Layout of the reinforcement application



DESCRIPTION OF THE WORKS

NOTE: The system is applied only if the substrate has an adequate masonry quality index.

PHASE 0 - Preparation of the Substrate

All loose or detaching parts must always be removed until reaching sound substrate.

For interventions on structural elements, such as arches or vaults, it is recommended to completely remove existing surface layers and/or coverings.

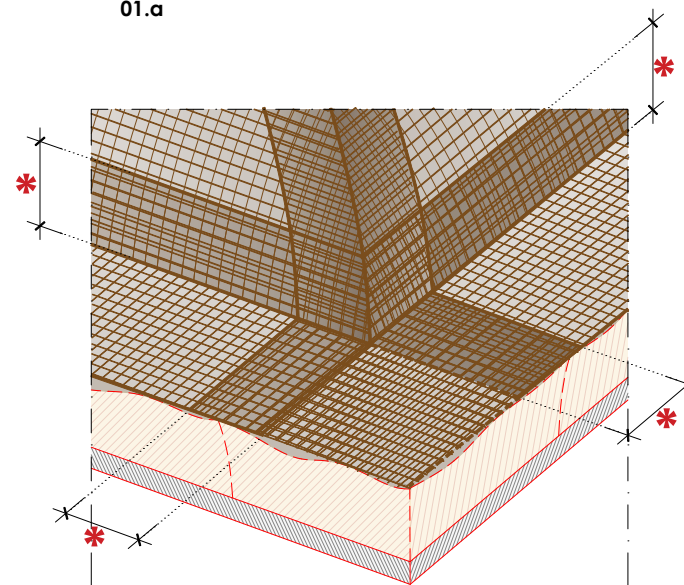
In the specific case of vaults, for strengthening interventions on the extrados, any removal of the adjoining masonry must be carefully evaluated based on its consistency and any potential stabilizing role, and carried out strictly following the operational steps outlined in the project.

Before applying the system, thoroughly clean the surface of dust, grease, efflorescence, and other substances using pressure washing at an appropriate level.

FOR ALL SUBSEQUENT APPLICATION PHASES, REFER TO DRAWING FRM 01.a

Detail of minimum overlap of reinforcements

* For the overlap length of the mesh, refer to the description in **PHASE 2** on **FRM DRAWING 01.a**

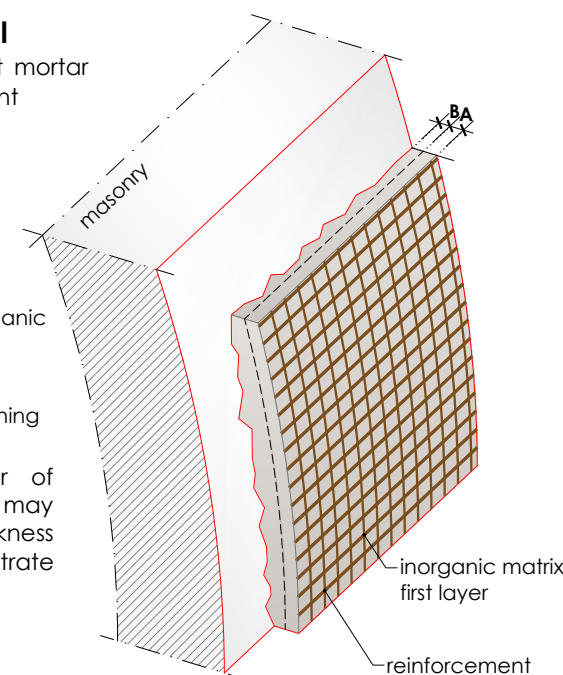


At the junction points between mesh sheets, both in the longitudinal and transverse directions, a minimum overlap of 300 mm must be ensured, as prescribed by CNR-DT 215/2018 (also available in english), in order to guarantee the continuity and effectiveness of the structural reinforcement.

Smaller overlaps are permitted only if demonstrated by appropriate qualification tests, in accordance with the relevant EADs. At corners, which must be properly rounded, the mesh must be folded back, taking particular care not to compromise the integrity of the fibers

Stratigraphy detail

application of the first mortar layer and reinforcement

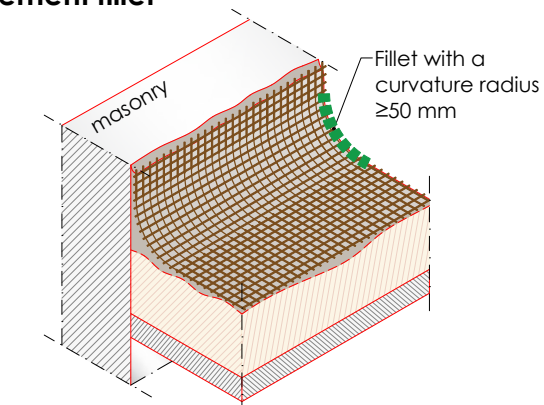


A = thickness of the inorganic matrix 4-5 mm

B = thickness of (if any) substrate leveling/smoothing layer

NOTE: the first layer of inorganic matrix may include the thickness required for substrate leveling

Reinforcement fillet detail



Fillet with a curvature radius ≥ 50 mm

MATERIAL IDENTIFICATION - C-MATRIX SYSTEM

(Y) INORGANIC MATRIX

(E) REINFORCEMENT MESH

(A1) FB-TUP10-....(bowed connectors)

(P3) FB-....INTEGRA FIXA-.... (anchoring resin)

Dimensions are given in mm unless otherwise specified
For the materials table, refer to drawing FRM 08