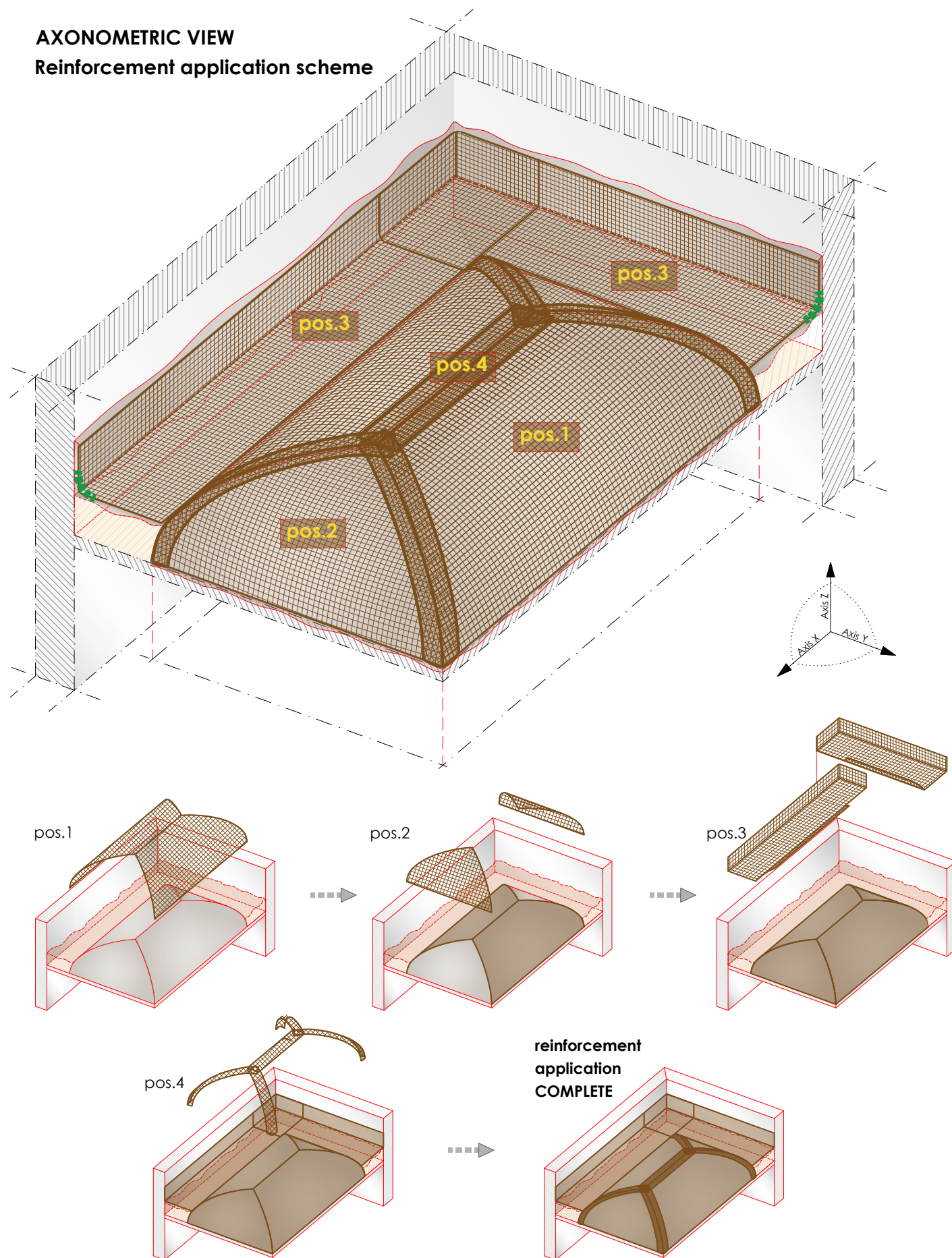




AXONOMETRIC VIEW

Reinforcement application scheme



DESCRIPTION OF THE WORKS

NOTE: The system may be applied only if the substrate shows an adequate masonry quality index..

PHASE 0 - Substrate preparation

All loose, deteriorated, or detached parts must always be removed until a sound substrate is reached.

For interventions on structural elements such as arches or vaults, the complete removal of existing surface layers and/or coverings is recommended.

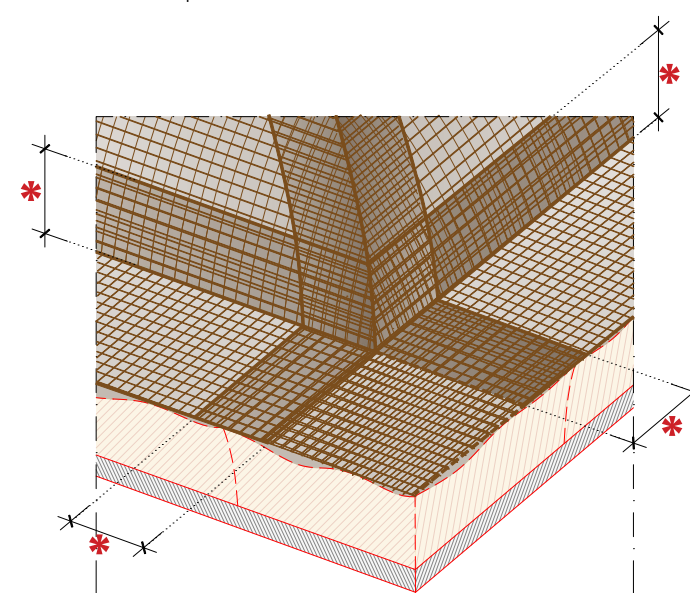
In the specific case of vaults, for reinforcement works at the extrados, any removal of the backfill must be carefully evaluated based on its consistency and any stabilizing role it may play, and must be carried out in strict compliance with the construction phases specified in the design.

Before applying the system, thoroughly clean the surface to remove dust, grease, efflorescence, and other substances by means of pressure water washing at an appropriate pressure.

FOR ALL SUBSEQUENT INSTALLATION PHASES, REFERENCE SHALL BE MADE TO DRAWING FRCM 01.a

Detail of minimum overlap of the reinforcements

* For the mesh overlap length, refer to the description of PHASE 2 in TABLE FRCM 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, in order to guarantee the continuity and effectiveness of the structural reinforcement. Smaller overlaps are permitted only if validated by appropriate qualification tests, in accordance with the STC 2022 Guidelines and/or 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

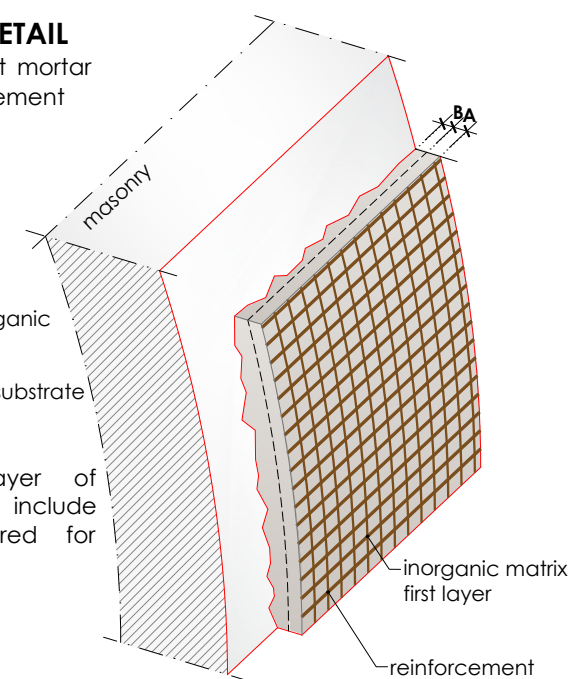
STRATIGRAPHIC DETAIL

application of the first mortar layer and the reinforcement

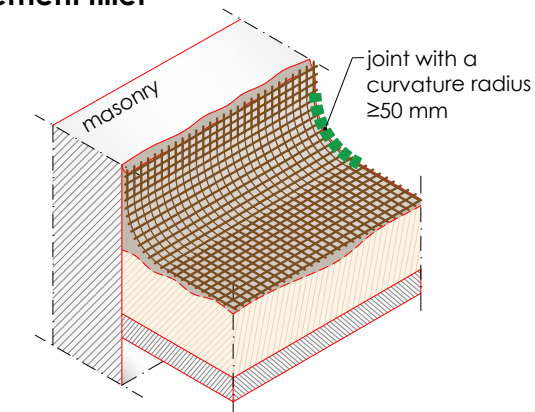
A = Thickness of the inorganic matrix 4-5 mm

B = Thickness of (if any) substrate leveling layer

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



Reinforcement fillet detail



MATERIAL IDENTIFICATION - C-MATRIX system

(Y) INORGANIC MATRIX

(E) REINFORCEMENT

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

(P3) FB-....INTEGRA FIXA-.... (Anchoring Resin)

Dimensions are expressed in mm unless otherwise specified
For the materials table, refer to table FRCM 08

