TABLE CRM 12.a

RI-STRUTTURA

REINFORCED PLASTER - CRM SYSTEM IN G.F.R.P.

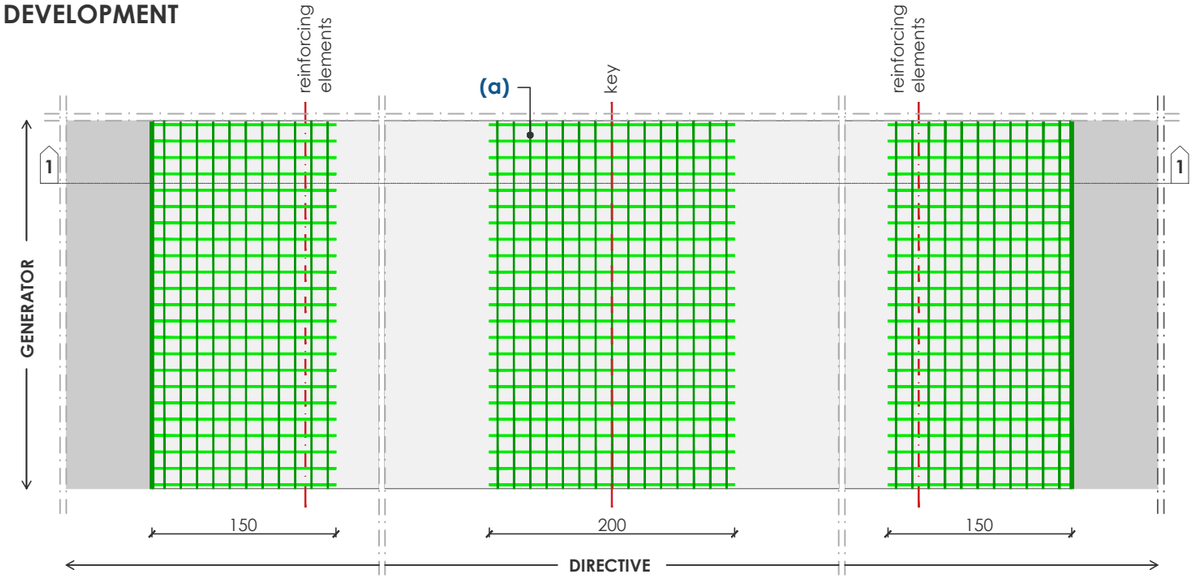
CONSOLIDATION OF BARREL VAULTS

INTRADOSSO INSTALLATION PHASES

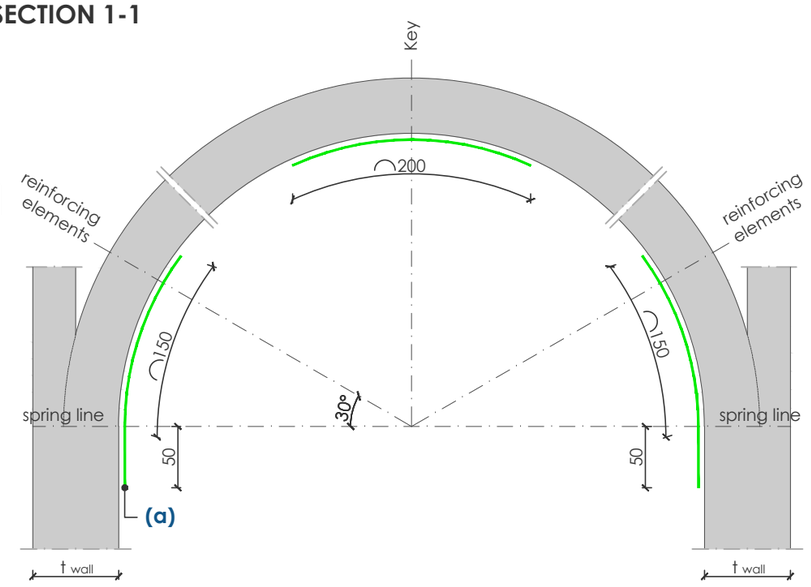
FIBRE NET composite engineering

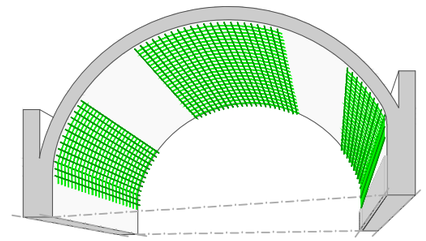
PHASE 1 - Installation of the mesh in critical areas (scale 1:50)

INTRADOS DEVELOPMENT



SECTION 1-1





PHASE 1:

Preparing the surface by removing existing finishing layers and potentially reconstructing damaged parts.

Subsequent application of a render coat to the intrados of the vault.

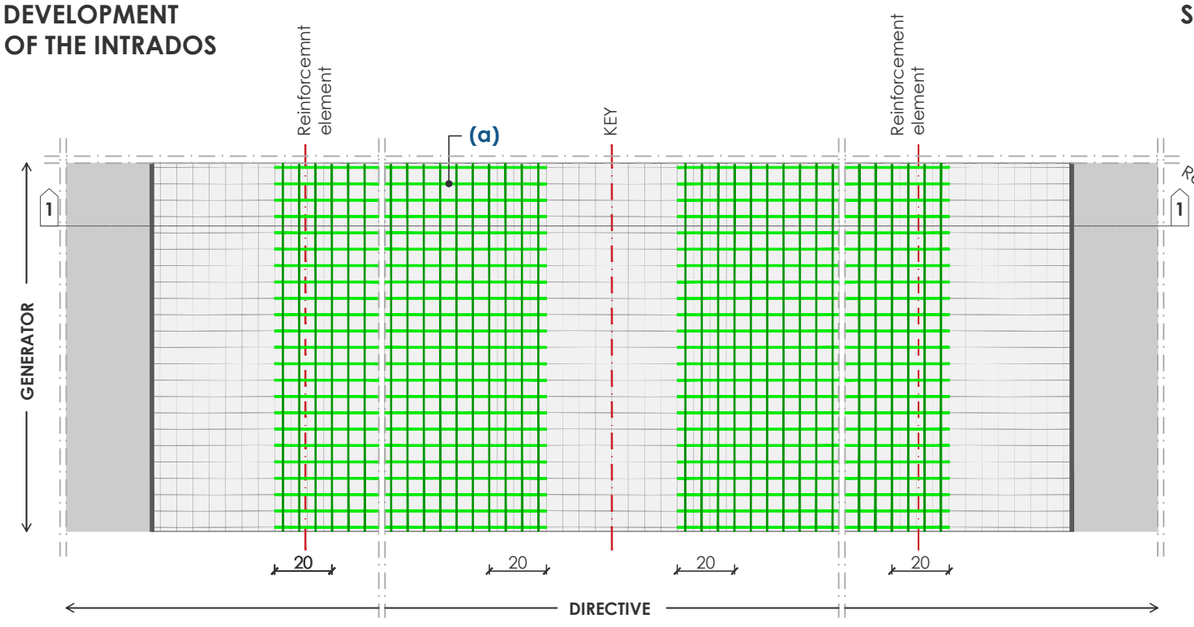
Installation of a 200 cm wide GFRP mesh to the intrados of the vault, along critical areas (keystone and impost), as indicated. The mesh should be placed along the middle plane of the plaster .

NOTES:

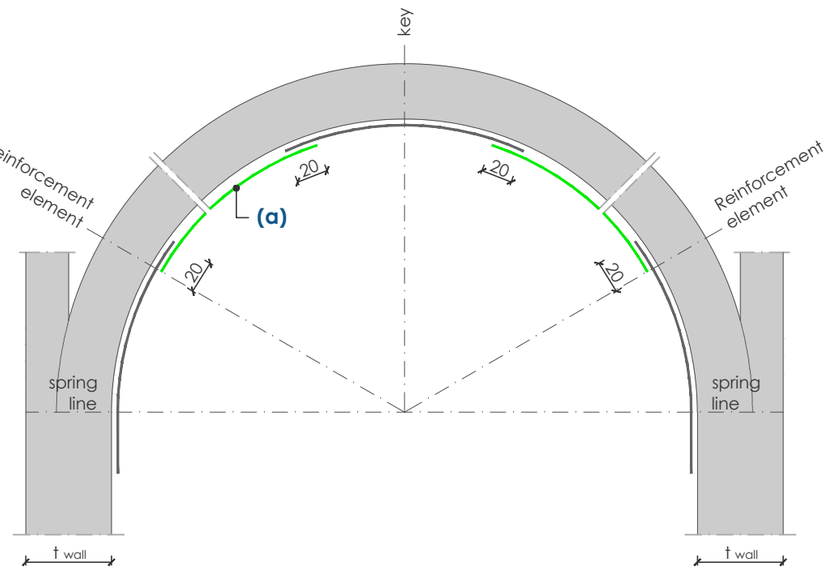
1. Ensure continuity of the mesh in the indicated critical areas;
2. Assess the need for connecting the reinforcement system to the springing with stainless steel bars as shown in **Table CRM15.**

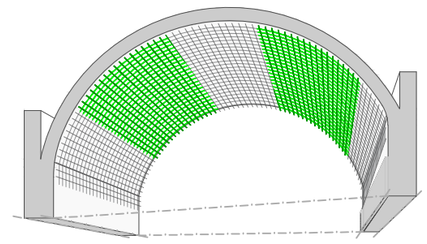
PHASE 2 - Installation of the net in the remaining areas with continuity overlap (scale1:50)

DEVELOPMENT OF THE INTRADOS



SECTON 1-1





PHASE 2:

Completion of laying GFRP netting on the intrados of the vault with an overlap of at least 20cm compared to the sections already laid in PHASE 1, as well as for any other interruptions, to achieve full surface coverage of the vault.

The netting must be placed along the middle plane of the plaster .

The measurements are expressed in centimeters unless otherwise specified

For the layout diagram of connectors and materials table, please refer to table CRM19

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