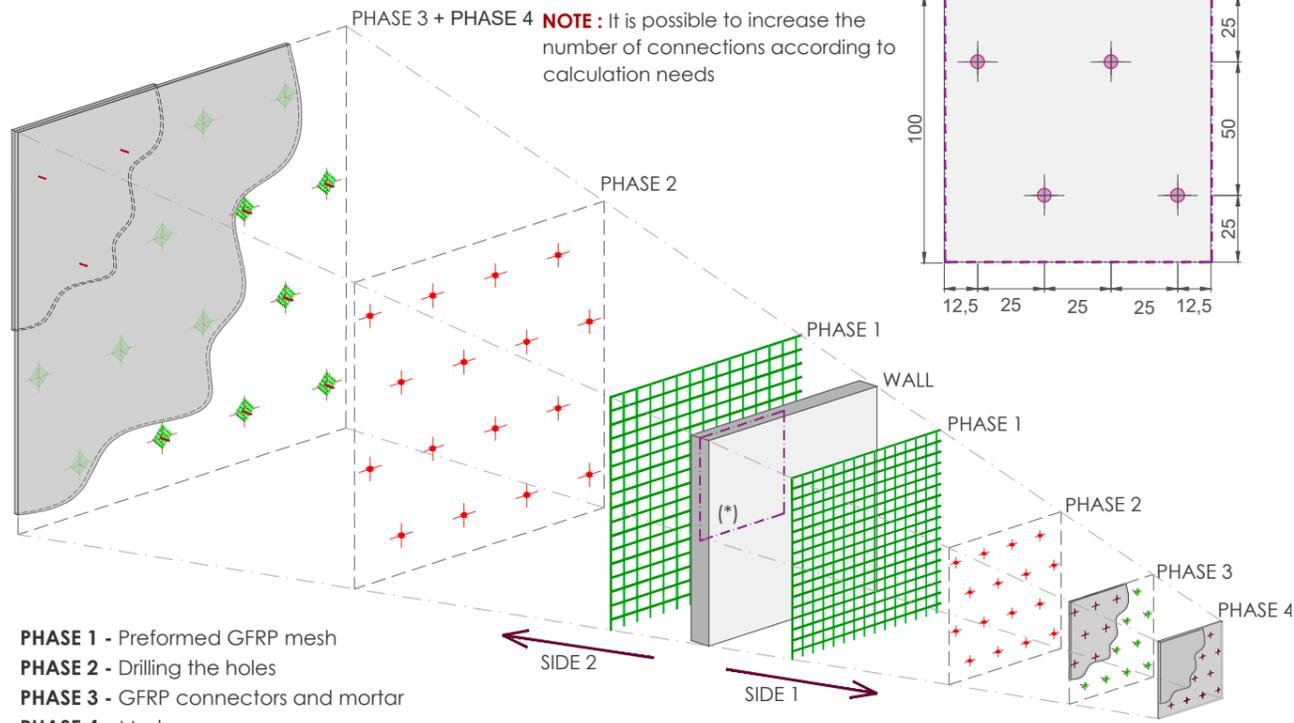
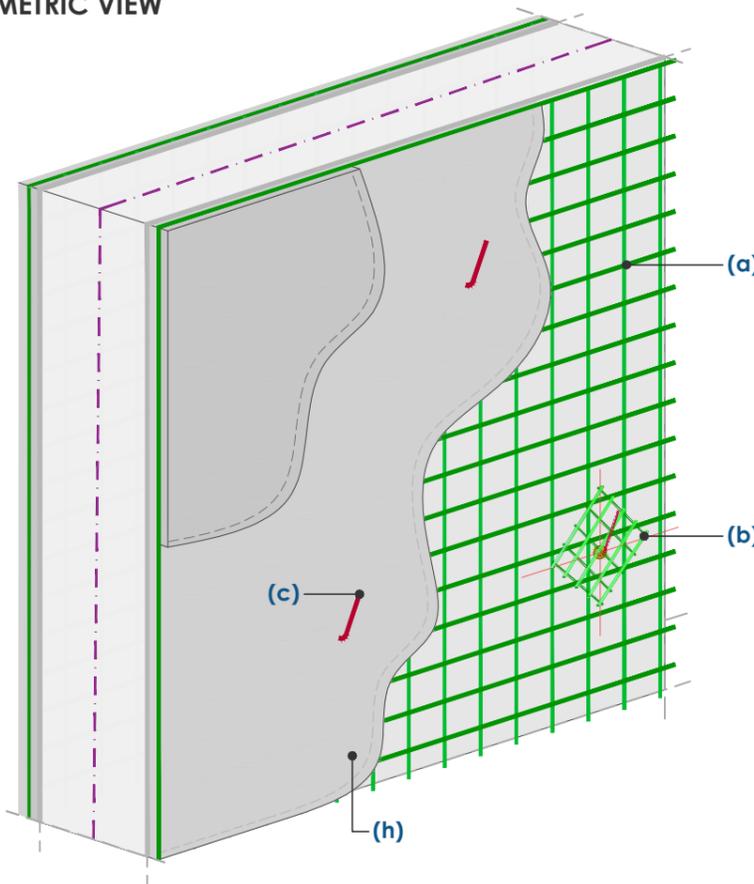


WORK PHASES - CRM REINFORCEMENT ON TWO SIDES
Perspective View

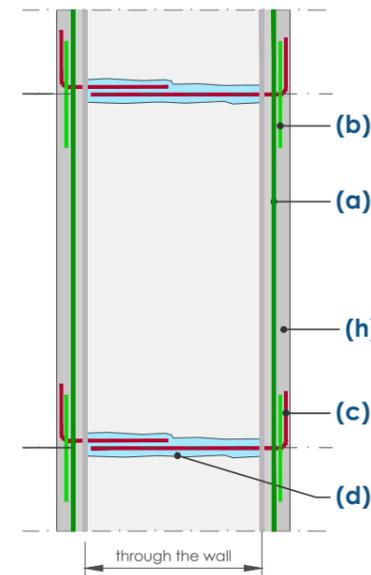


- PHASE 1 - Preformed GFRP mesh
- PHASE 2 - Drilling the holes
- PHASE 3 - GFRP connectors and mortar
- PHASE 4 - Mortar

ISOMETRIC VIEW



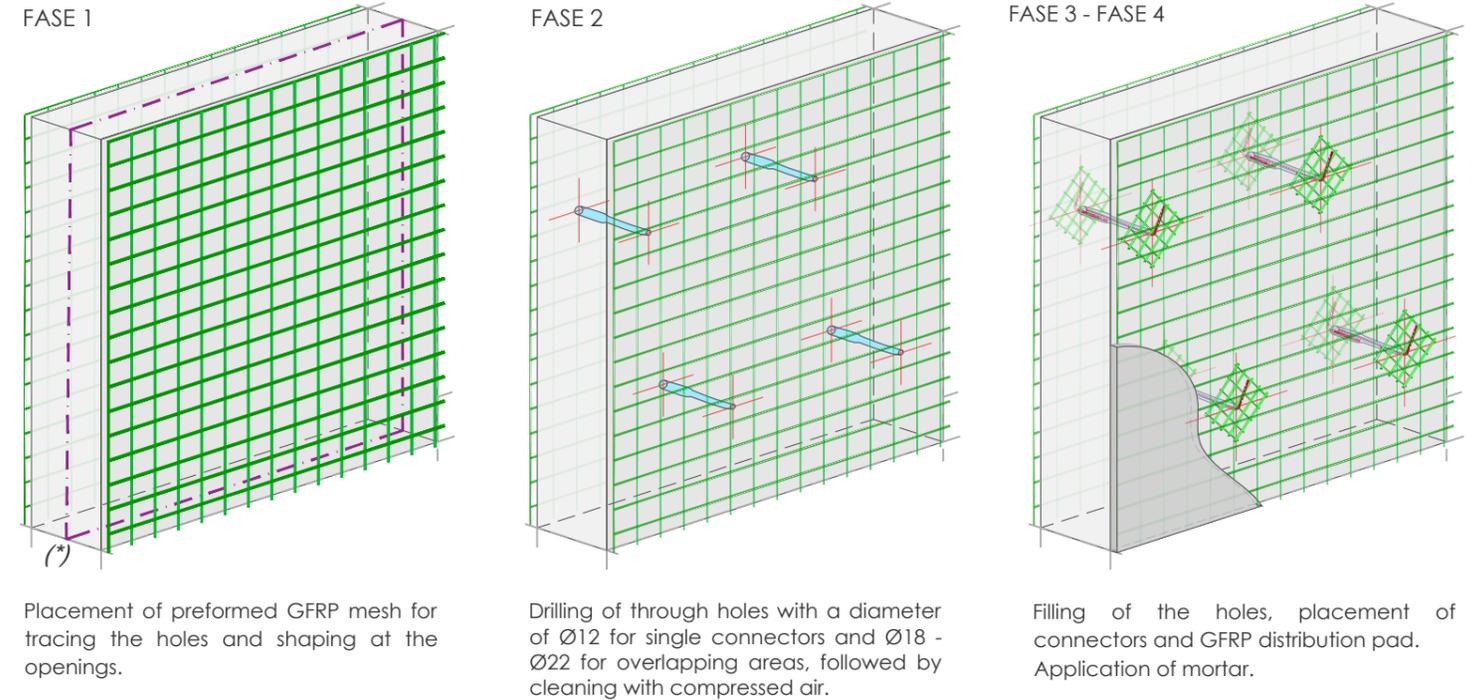
SECTION DETAIL
scale 1:10



Legend:

- Wall
- Undercoat
- GFRP mesh
- "L" shaped connector
- Distribution pad
- Mortar

WORK PHASES FOR 1 m² OF WALL REINFORCED ON TWO SIDES WITH CRM SYSTEM
Isometric view



DESCRIPTION OF THE WORKS

The intervention involves preparing the substrate by removing existing layers and subsequently reconstructing damaged parts of the wall, completing the preparation with the application of the undercoat.

Subsequently, the works for the reinforcement are carried out in the following phases:

1. Placement on the median plane of the plaster, **FBMESH** mesh, and **FBANG** angular elements with an overlap of 15/20 cm at the joints and corners. Marking on the wall the position of the holes and shaping of the mesh at the openings;
2. Drilling of the holes using a rotating drill;
3. Injection of the previously drilled holes with two-component chemical anchor **INTEGRA FIXA VINYL15** and placement of **FBFAZ33X33** distribution pad with **FBCONL** connector;
4. Proceed with the application of **MATERIA/EPOCA** mortar plaster with a thickness of 3 cm after wetting the surface to rejection without causing water stagnation.

NOTE: Depending on the thermo-hygrometric conditions, it is recommended to wet the wall the day before applying the plaster.

IDENTIFICATION OF CRM MATERIALS

- (a) **FBMESH** (Preformed GFRP mesh)
- (b) **FBFAZ33X33T96AR** (preformed GFRP distribution pad)
- (c) **FBCONL** (preformed GFRP "L" shaped connector)
- (d) **INTEGRA FIXA VINYL 15** (two-component chemical anchor)
- (e) **FBANG** (Preformed GFRP right-angle element)
- (f) **FB-TUP10-VAR1A/2A** (fiber-reinforced composite material bar)
- (g) **FB-HBAR10** (Austenitic stainless steel helical bar)
- (h) **MALTA MATERIA/EPOCA** (Pre-mixed eco-compatible lime-based mortar)

Measurements are expressed in cm unless otherwise specified.
For the connector placement diagram and materials list, consult table CRM10.