

SYMBOLS OF ALTERATIONS

ALTERATIONS

Main items

- Loss of original surface leading to smoothed shapes
- Mortar joint leakage
- Fragmentation - breakage of the main material: the component elements are still part of a whole, the surfaces of the fragments are visible as irregular in form, dimensions and position
- Elevation of cross tie, context collapse, the presence of loss of material, fragmentation and displacement
- Scaling and coloring biological patina
- Presence of shrubby vegetation
- Graffiti, Engraving , scratching, Signs of vandalism, graffiti, writing on surface

STRUCTURAL FAILURES

Main items

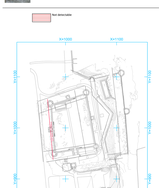
- Crack, Minor crack with a width of about 0.1 mm
- Deep crack: crack that crosses completely the entire panel
- Filled crack
- Detachment of the lining layers
- Swelling
- Collapse

RECENT INTERVENTIONS

Main items

- Cementitious patches
- Steel ties
- Layer of cement plaster

- Not detectable





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GAMU European Union Delegation to Moldova through its operational contractor UNDP

Technical Expertise and develop Detailed Technical Design for
CONSERVATION AND RESTORATION WORKS OF BENDER FORTRESS (Phase I)

DETAILED TECHNICAL DESIGN

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TITLE
DECAY PHENOMENA AND CRACKS MAPPING
Internal Elevation | Towers A4-A2 wall front

DOCUMENT CODE

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INTEGRATION SCALE 1:50

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