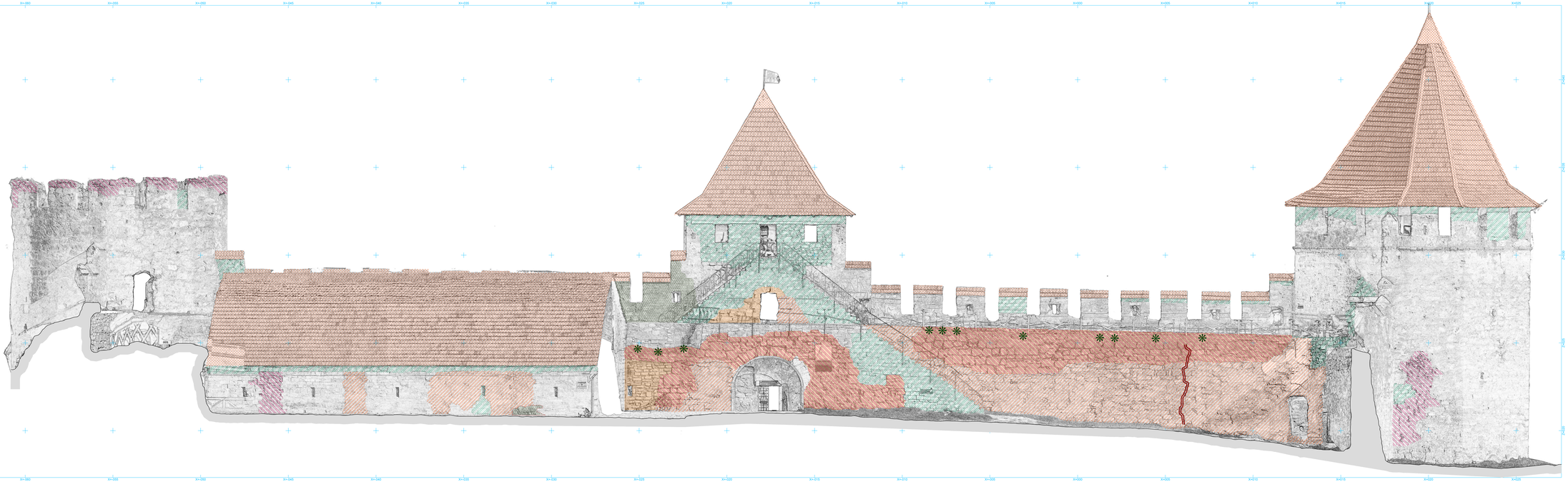


SYMBOLS OF ALTERATIONS

ALTERATIONS

Main items

- Loss of original surface, leading to smoothed shapes
- Fragmentation and breakage of the stone material: the complete detachment of pieces of a stone, also portions of variable dimensions that affect the entire thickness and volume
- Wall with intense biological patina
- Graffiti: Engraving, scratching, writing, drawing on the paint, ink or similar matter on the stone surface
- Mortar joint leakage
- Alteration of stone: the symbol indicates the presence of lots of cracks, fissures, fragmentation and mortar joint leakage
- Presence of shrubby vegetation

STRUCTURAL FAILURES

Main items

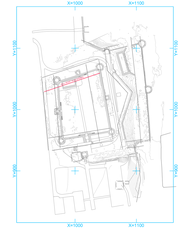
- Crack: Minor crack with a width of about 0.1 mm
- Filled crack
- Swelling
- Deep crack: Crack that crosses completely the stone piece
- Detachment of the facing stones
- Collapse

RECENT INTERVENTIONS

Main items

- Cementitious patches
- Layer of cement plaster
- Roof tiles

- Not detectable



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CLIENT: 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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1	07-2020	first emission
DATE		REVISION

CGN_RER_007.dwg
FILE NAME

TITLE
DECAY PHENOMENA AND CRACKS MAPPING
Internal Elevation | Towers A6-A4 wall front

ASSIGN CODE: C226

DOCUMENT CODE: PROJECT | DATE | CGN_PROG | NUMBER | REV
R | ER | 007 | -

REPRESENTATION SCALE: 1:50

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