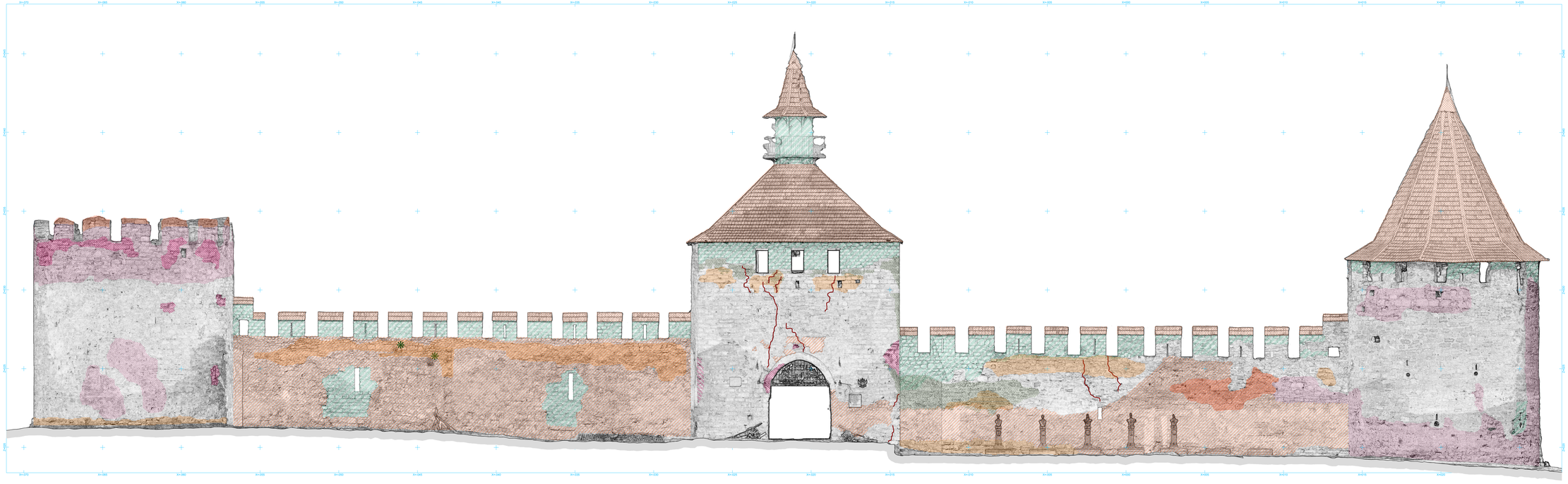

SYMBOLS OF ALTERATIONS

ALTERATIONS

Main items:

- Loss of original surface, leading to broken/lost shapes
- Mortar joint bulkage
- Fragmentation and exfoliation of the material, the constituent elements are still part of a stone, this portions of material are detached from the rest irregular in form and dimensions
- Alteration of stone due to the presence of clay of the mortar, with fragmentation and mortar joint bulkage
- Wall with external biological patina
- Presence of shrubby vegetation
- Graffiti Engraving, scratching, writing, drawing on the panels, ink or similar substances on the stone surface

STRUCTURAL FAILURES

Main items:

- Crack: Minor crack with a width of about 0,5 mm
- Deep crack: Crack that penetrates deeply the stone panel
- Filled crack
- Detachment of the facing stones
- Swelling
- Collapse

RECENT INTERVENTIONS

Main items:

- Cementitious patches
- Roof tiles
- Layer of cement plaster

- Not detectable

The project is funded by the European Union

Implemented by the Council of Europe

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	C226_ER_001.dwg
	DATE	REVISION	FILE NAME

DRAWING TITLE:
DECAY PHENOMENA AND CRACKS MAPPING
External Elevation | Towers A2-A8 wall front

REPRESENTATION SCALE: 1:50

EXPERT STAMP AND SIGNATURE:

ORIGINAL FORMAT	DOCUMENT CODE				
	Building	Code	Unit / Area	Graphical	Rev
A1	C226	- R	ER	001	-

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