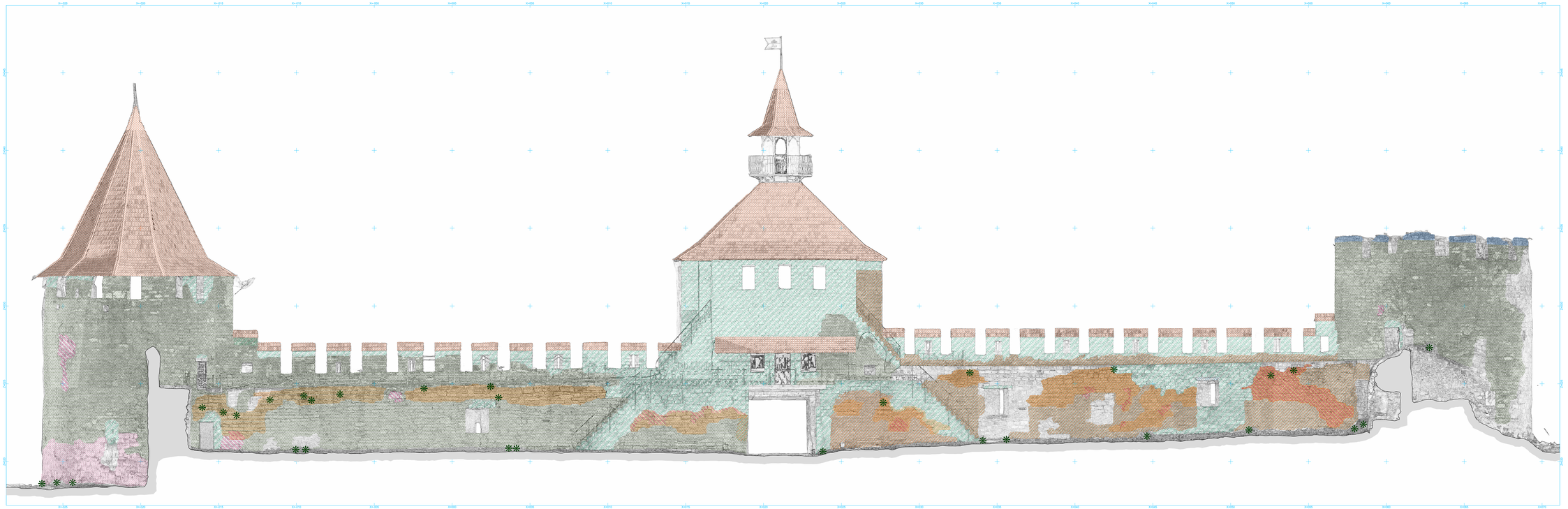

SYMBOLS OF ALTERATIONS

ALTERATIONS

Main items:

- Loss of original surface, leading to detachment (flakes)
- Mortar joint leakage
- Fragmentation and detachment of the original material, the consistent presence of cracks and, in a state, into portions of the material, sometimes of an irregular or fuzzy shape
- Alteration of stone material, with the presence of loss of material, fragmentation and mortar joint leakage
- Wall with extensive biological patina
- Presence of shrubby vegetation
- Graffiti: Engraving, scratching, writing, drawing on the walls, or on other parts of the stone surface

STRUCTURAL FAILURES

Main items:

- Crack: Minor crack with a width of about 0.5 mm
- Deep crack: Crack that penetrates across the entire plane
- 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 and implemented by the United Nations Development Programme

Implemented by the Ministry of Culture, Ministry of Economy, Commerce and Tourism, Ministry of Regional Development and Construction, Public Property Agency

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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A			
1	27.2022	first emission	C226_ER_005.dwg
	DATE	REVISION	FILE NAME

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

REPRESENTATION SCALE: 1:50

EXPERT STAMP AND SIGNATURE:

ORIGINAL CODE: C226

DOCUMENT CODE

Building	Area	Unit / Wing	Typology	Sub-n.
C226	-	R	ER	005	-

INTERNAL CODE
C226_ER_05-0 Technical Expertise