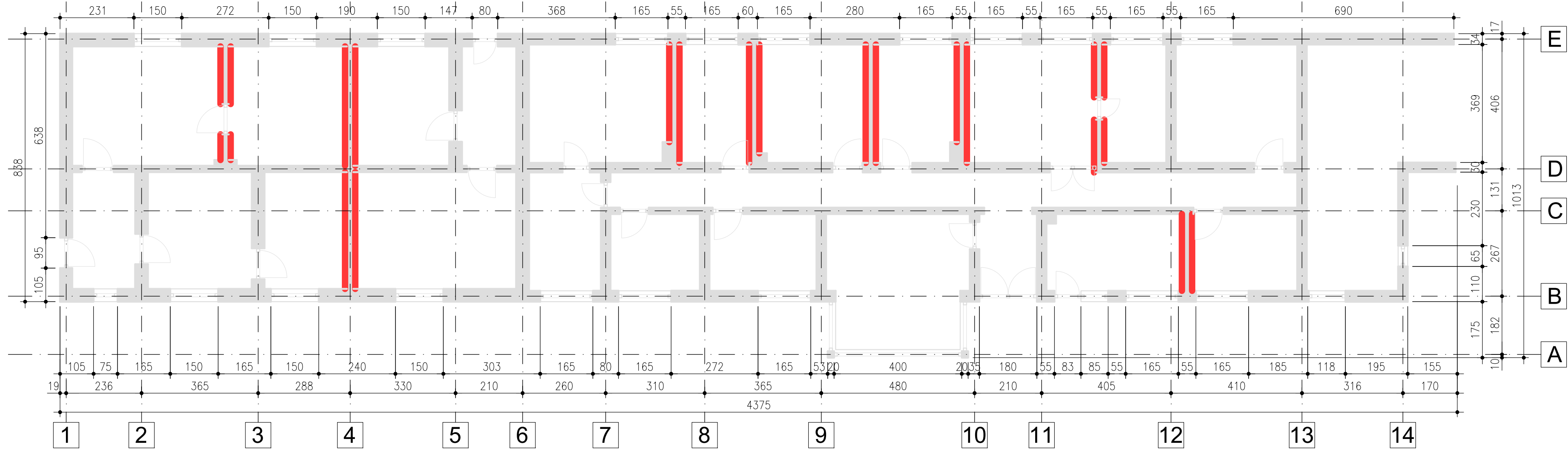


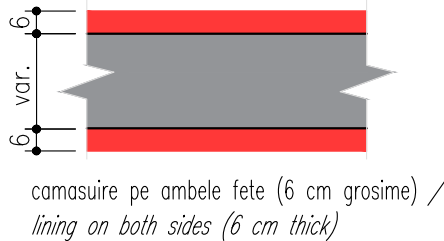
STATIA C.F. BUCURESTI SUD, GRUPA TEHNICA / *BUCHAREST SOUTH RAILWAY STATION, TECHNICAL GROUP*
CLADIRE EXPLOATARE / *OPERATING BUILDING*

Lucrari de reparatii - Plan consolidare pereti parter / *Repair works - ground floor wall consolidation plan*

Scara/Scale 1:100



LEGENDA / *LEGEND*



TEHNOLOGIE DE REALIZARE

- La infrastructura:
 - Se extinde verificarea fundatiilor atat ca adancime cat si ca latime plus aspect structural. In cazul in care se constata cote de fundatie in teren umplutura sau deasupra cotei de inghet, se vor realiza subzidiri locale in ploturi. In cazul in care se constata fisuri, se vor realiza reparatii prin injectari.
 - Realizare hidroizolatie exterioara la fundatii
 - Realizare sistem de tip Freeztec pentru impiedicarea urcarii apei prin capilaritate;
 - Refacere tencuieli degradate prin accesiunea apei in zidarie;
- La suprastructura :
 - Se desfac tencuielile se curata rosturile pe o adancime de 15–20mm.
 - Se vor injecta toate fisurile descoperite in zidarie/elemente beton;
 - Tinand cont ca constructiile se afla in zona seismica cu $a_g=0.30g$ si coreland acesta cu cerintele normativului P100/1–2013 in care se specifica numarul maxim de niveluri acceptate pentru constructiile de tip ZNA, tinad cont de degradarile observate in peretii de zidarie, pentru imbunatatirea conditiilor de siguranta structurala propunem consolidarea peretilor cu fisuri si a celor cu grosime de 20cm de zidarie cu camasuiala armata minim 5–6cm grosime pe ambele parti si plasa de tip BST 500S din $\varnothing 8/150 \times \varnothing 8/150$ mm.
 - Avand in vedere data expertizarii si data proiectarii, la data intocmirii proiectului in faza DE, proiectantul va realiza un relevu al peretilor cu fisuri. Toti acesti pereti vor fi camasuiti cu mortar si plasa BST 500S.

EXECUTION TECHNOLOGY

- For the infrastructure:
 - The foundation inspection will be extended to verify both depth and width, as well as structural aspects. If the foundation levels are found to be in fill soil or above the frost depth, local underpinning in sections will be carried out. If cracks or are found, repairs will be made through injection techniques.
 - Installation of external waterproofing on foundations.
 - Implementation of a Freeztec system to prevent capillary rise of water.
 - Restoration of degraded plaster affected by water infiltration into the masonry.
- For the superstructure :
 - Existing plaster will be removed, and the joints will be cleaned to a depth of 15–20 mm.
 - All cracks discovered in the masonry or concrete elements will be injected.
 - Considering that the buildings are located in a seismic zone with an acceleration coefficient of $a_g=0.30g$, and correlating this with the requirements of the P100/1–2013 seismic code, which specifies the maximum number of levels allowed for ZNA–type buildings, and given the observed damage in masonry walls, we propose strengthening the cracked walls and those with a thickness of 20 cm with a reinforced jacket of a minimum thickness of 5–6 cm on both sides, using BST 500S mesh reinforcement with $\varnothing 8/150 \times \varnothing 8/150$ mm spacing.
 - Taking into account the dates of the assessment and the project design, during the preparation of the DE phase project, the designer will conduct a survey of the cracked walls. All these walls will be jacketed with mortar and BST 500S mesh.

ENTITATE CONTRACTANTA <i>CONTRACTING ENTITY</i>		C.N.C.F. "C.F.R." - S.A.	
CONTRACTANT <i>CONTRACTOR</i>		Fondat in 1947 Asocierea S.C. ISPCF S.A. - S.C. BAICONS IMPEX SRL	
	Nume <i>Name</i>	Data <i>Date</i>	Semnatura <i>Signature</i>
Şef Proiect <i>Project Manager</i>	ing. Viorel GORGONETU	11.2024	
Verificat <i>Checked</i>	ing. Dan PĂTRAŞCU	11.2024	
Proiectat <i>Designed</i>	ing. Franciska SEPRÓDI	11.2024	
”Modernizarea liniilor şi instalaţiilor din Complexul Feroviar Bucureşti” Studiu de fezabilitate			Proiect / <i>Project</i> 38 / 2022
”Modernization lines and installations in the Bucharest Railway Complex Feasibility Study			Faza / <i>Phase</i> S.F. F.S.
Denumire / <i>Title</i> STATIA C.F. BUCURESTI SUD GRUPA TEHNICA. CLADIRE EXPLOATARE. LUCRARI DE REPARATII / BUCHAREST SOUTH RAILWAY STATION TECHNICAL GROUP. OPERATING BUILDING. REPAIR WORKS			Scara / <i>Scale</i> 1:100
Codificare / <i>Codification System</i>			
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Rev.	Data/Date	Descriere Modificare / <i>Modification description</i>	
1			
2			
3			
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