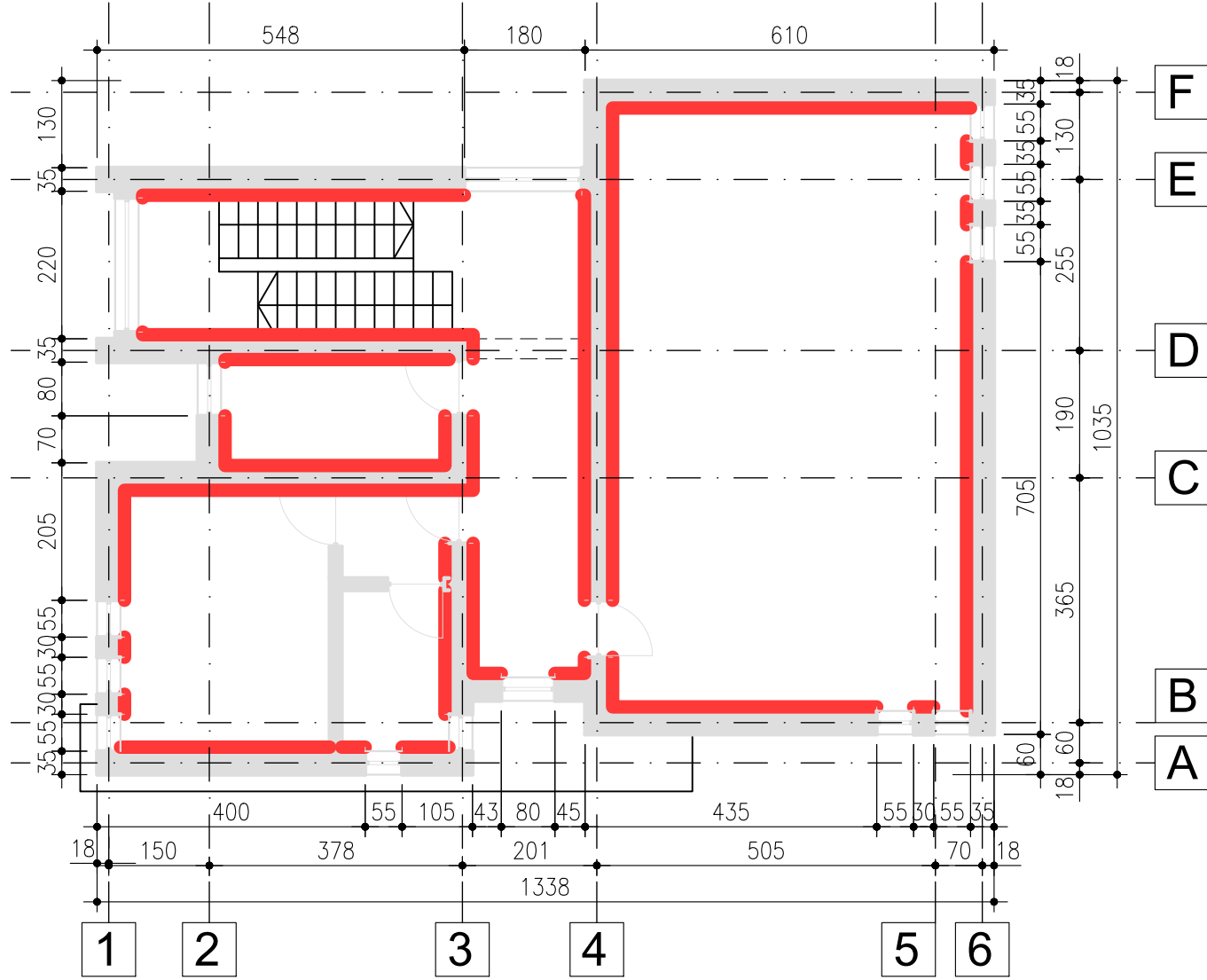


STATIA C.F. OTOPENI / *OTOPENI RAILWAY STATION*
CLADIRE CED / *CED BUILDING*

Lucrari de reparatii - Plan consolidare pereti etaj 1 /
Repair works - 1st floor wall consolidation plan

Scara/Scale 1:100

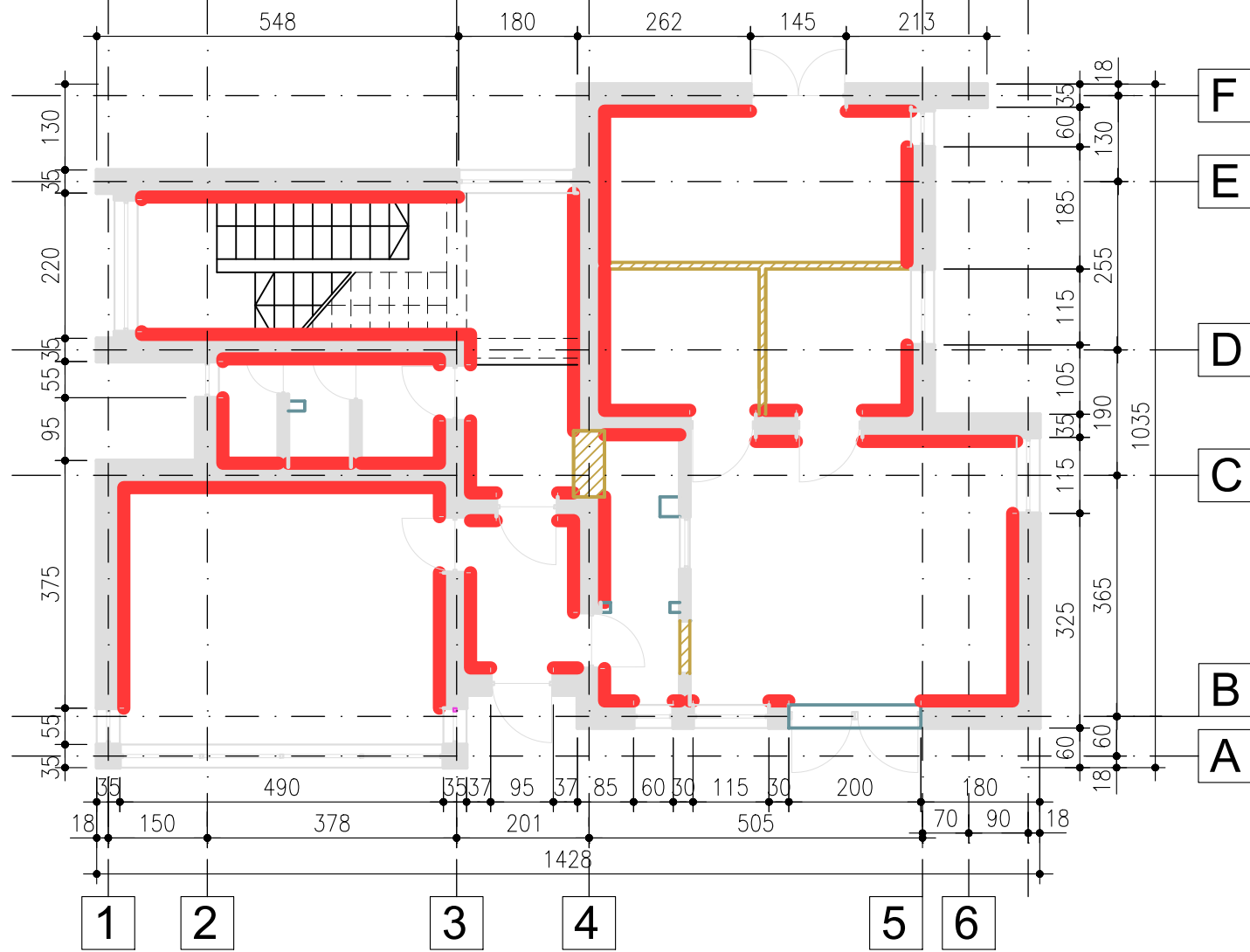


TEHNOLOGIE DE REALIZARE

- 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 Freezteq 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 de zidarie cu camasuiala armata minim 5–6cm grosime pe ambele parti si plasa de tip STNB minim Ø8/150 x Ø8/150. Avand in vedere ca constructia este reabilitata la exterior si tinand cont de starea generala a constructiei in ansamblu, lucrarile de camasuire se vor realiza strict la interior pentru peretii exteriori si pe ambele fete pentru peretii interiori.

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

Scara/Scale 1:100

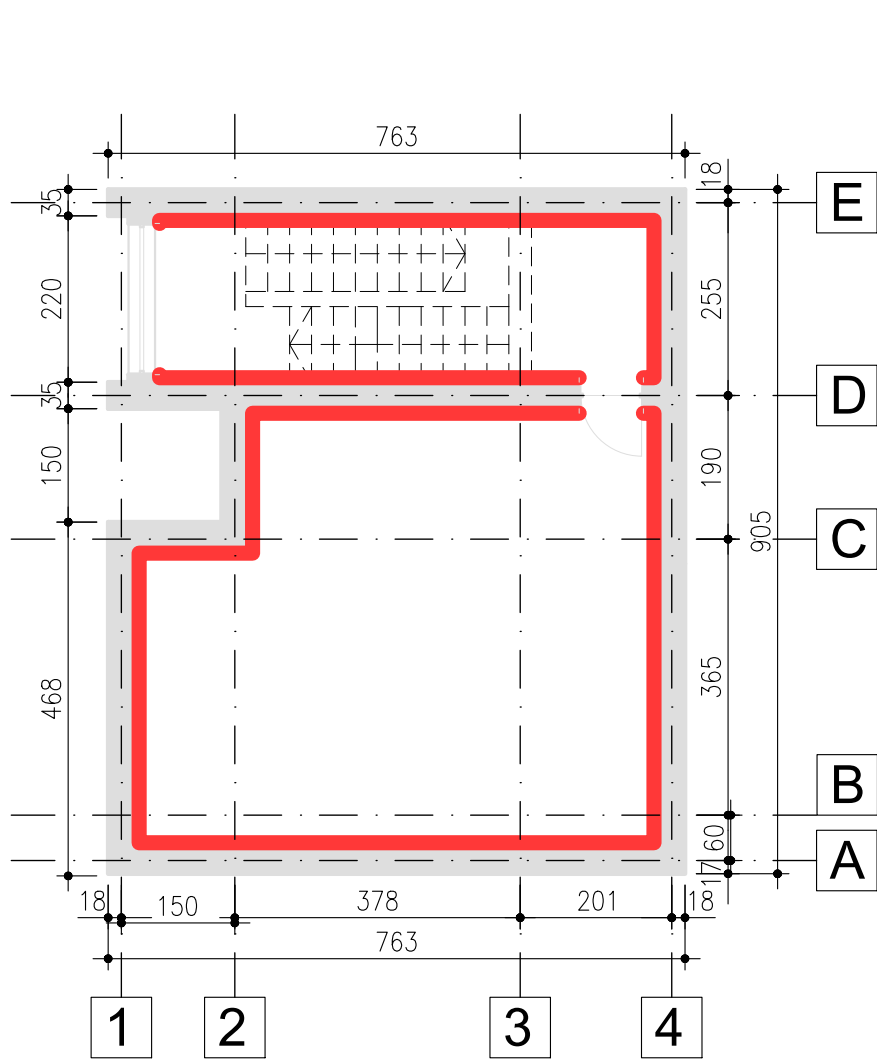


EXECUTION TECHNOLOGY

- 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 Freezteq 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 structures are located in a seismic zone with $a_g=0.30g$ and aligning with the requirements of the P100/1–2013 code, which specifies the maximum number of floors permitted for URM–type constructions, and considering the observed degradation in masonry walls, we propose reinforcing the masonry walls with reinforced jacketing, with a minimum thickness of 5–6 cm on both sides and STNB mesh of at least Ø8/150 x Ø8/150. Since the building has been rehabilitated externally and given the overall structural condition, the jacketing work will be limited to the interior side of the exterior walls and both sides of the interior walls.

Lucrari de reparatii - Plan consolidare pereti subsol /
Repair works - basement wall consolidation plan

Scara/Scale 1:100



LEGENDA / LEGEND



perete nou construit/
newly built wall



perete demolat /
demolished wall



comasuire pe ambele fete (6 cm grosime) /
lining on both sides (6 cm thick)



comasuire pe o singura fata (6 cm grosime) /
lining on one side (6 cm thick)

ENTITATE CONTRACTANTA CONTRACTING ENTITY			
C.N.C.F. "C.F.R." - S.A.			
CONTRACTANT CONTRACTOR			
Asocierea S.C. ISPCF S.A. - S.C. BAICONS IMPEX SRL			
	Nume Name	Data Date	Semnatura Signature
Șef Proiect Project Manager	ing. Viorel GORGONETU	11.2024	
Verificat Checked	ing. Dan PĂTRAȘCU	11.2024	
Proiectat Designed	ing. Franciska SEPRŐDI	11.2024	
"Modernizarea liniilor și instalațiilor din Complexul Feroviar București" Studiu de fezabilitate "Modernization lines and installations in the Bucharest Railway Complex Feasibility Study			Proiect / Project 38 / 2022
			Faza / Phase S.F. F.S.
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