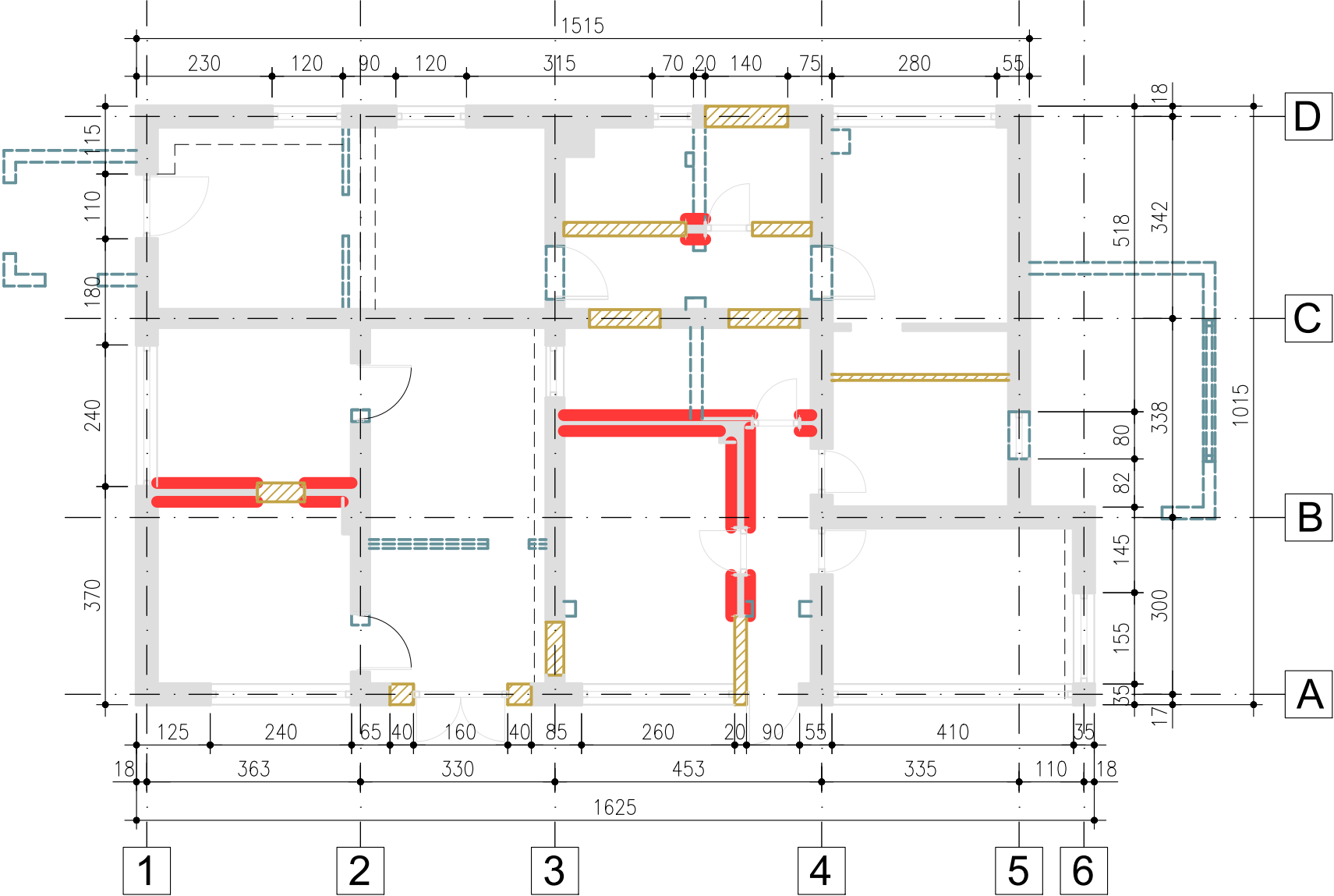


STATIA C.F. BERCENI / *BERCENI RAILWAY STATION*
CLADIRE CALATORI / *PASSENGER BUILDING*

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

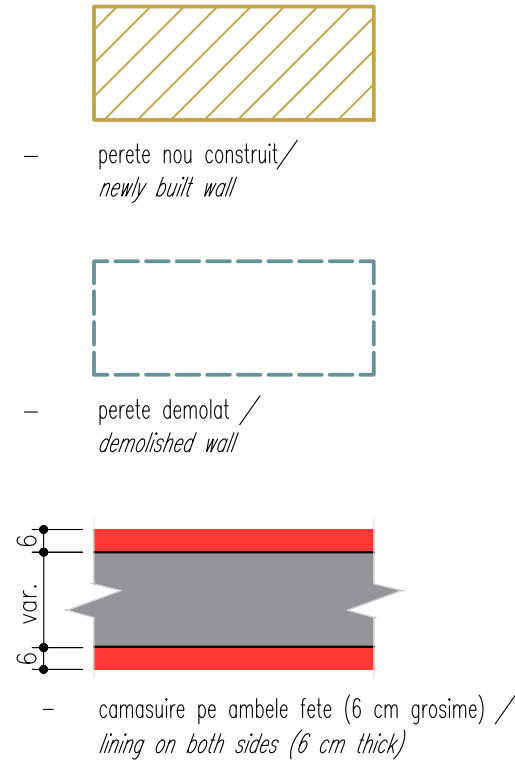
Scara/Scale 1:100



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 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 de zidarie cu camasiuala 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.
 - In plus toti peretii longitudinali sau transversali cu grosimi mai mici de 25cm vor fi consolidati prin camasiure pe ambele parti.

LEGENDA / *LEGEND*



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 aligning this with the requirements of the P100/1–2013 seismic code, which specifies the maximum number of levels allowed for ZNA-type constructions, and given the observed damage to the masonry walls, we propose strengthening the masonry walls with a reinforced jacket of at least 5–6 cm thickness on both sides, using BST 500S mesh reinforcement with $\varnothing 8/150 \times \varnothing 8/150$ mm spacing.
 - Taking into account the assessment and design dates, during the preparation of the project in the DE phase, the designer will carry out a detailed survey of the cracked walls. All these walls will be jacketed with mortar and BST 500S mesh.
 - Additionally, all longitudinal or transverse walls with thicknesses less than 25 cm will also be reinforced with jacketing on both sides.

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
Şef Proiect Project Manager	ing. Viorel GORGONETU	11.2024	
Verificat Checked	ing. Dan PĂTRAŞCU	11.2024	
Proiectat Designed	ing. Franciska SEPRÖDI	11.2024	
"Modernizarea liniilor şi instalaţiilor din Complexul Feroviar Bucureşti" Studiu de fezabilitate			Proiect / Project 38 / 2022
"Modernization lines and installations in the Bucharest Railway Complex Feasibility Study			Faza / Phase S.F. F.S.
Denumire / Title STATIA C.F. BERCENI. CLADIRE CALATORI. LUCRARI DE REPARATII / BERCENI RAILWAY STATION. PASSENGER BUILDING. REPAIR WORKS			Scara / Scale 1:100
Codificare / Codification System			
COBU SF REZ DVD 18 02 001 R00			
Istoricul reviziilor / Revision History			
Rev.	Data/Date	Descriere Modificare / Modification description	
1			
2			
3			
4			