

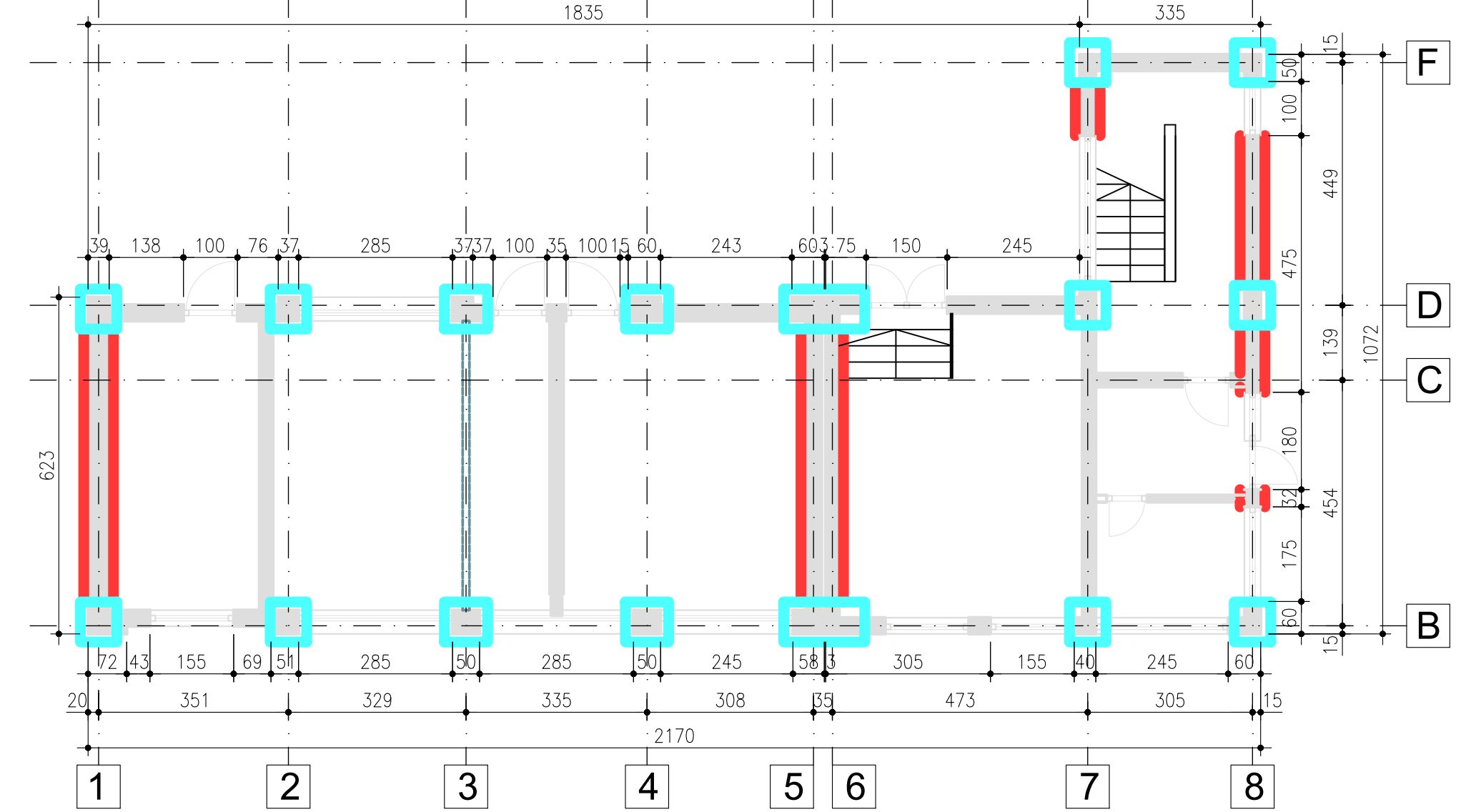
STATIA C.F. BUCURESTI NORD GRUPA B / BUCHAREST NORTH RAILWAY STATION GROUP B

CLADIRE CED / CED BUILDING

Lucrari de reparatii - Plan consolidare pereti parter/

Repair works - ground floor wall consolidation plan

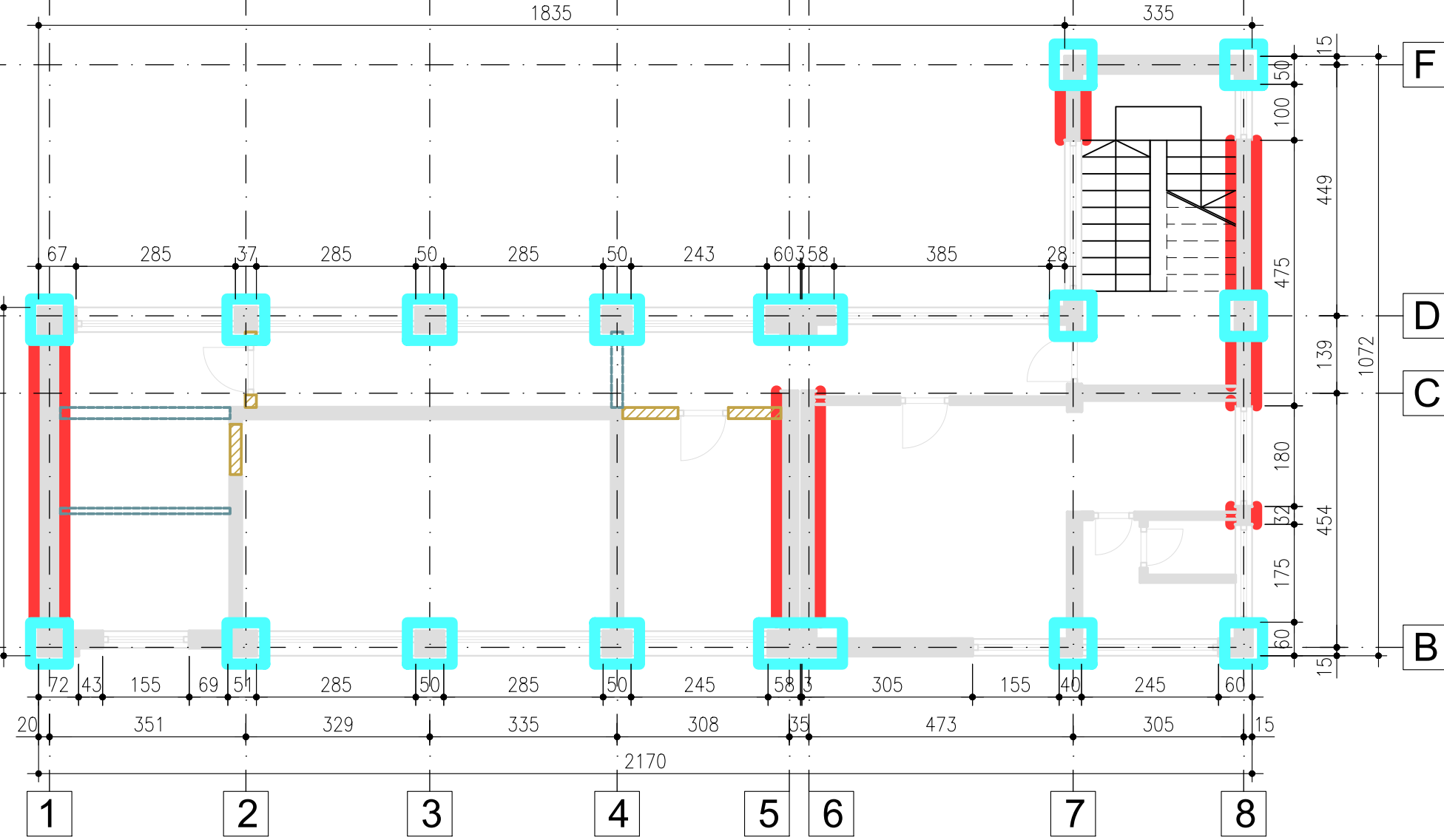
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Lucrari de reparatii - Plan consolidare pereti etaj 1/

Repair works - 1st floor wall consolidation plan

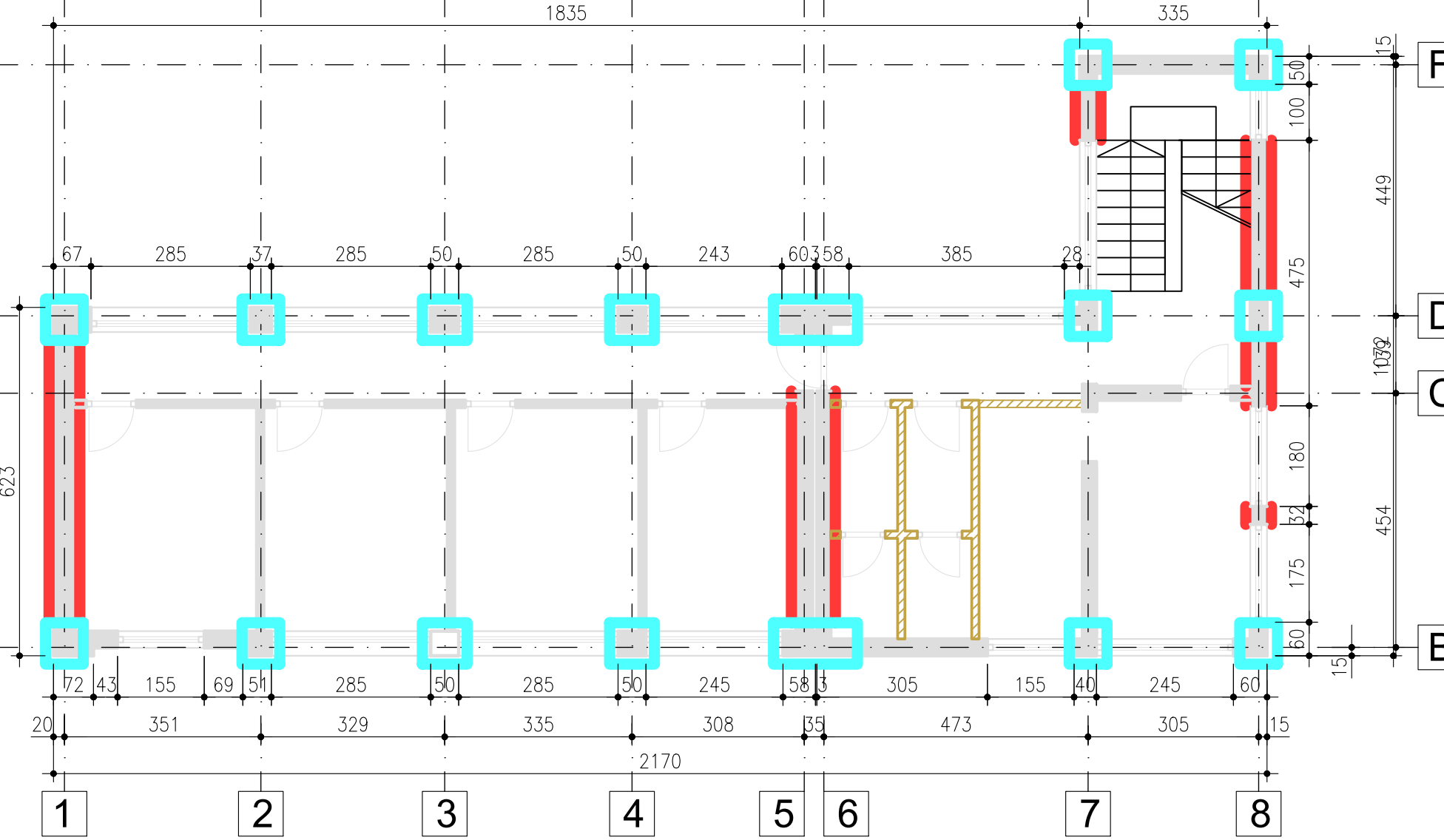
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Lucrari de reparatii - Plan consolidare pereti etaj 2/

Repair works - 2nd floor wall consolidation plan

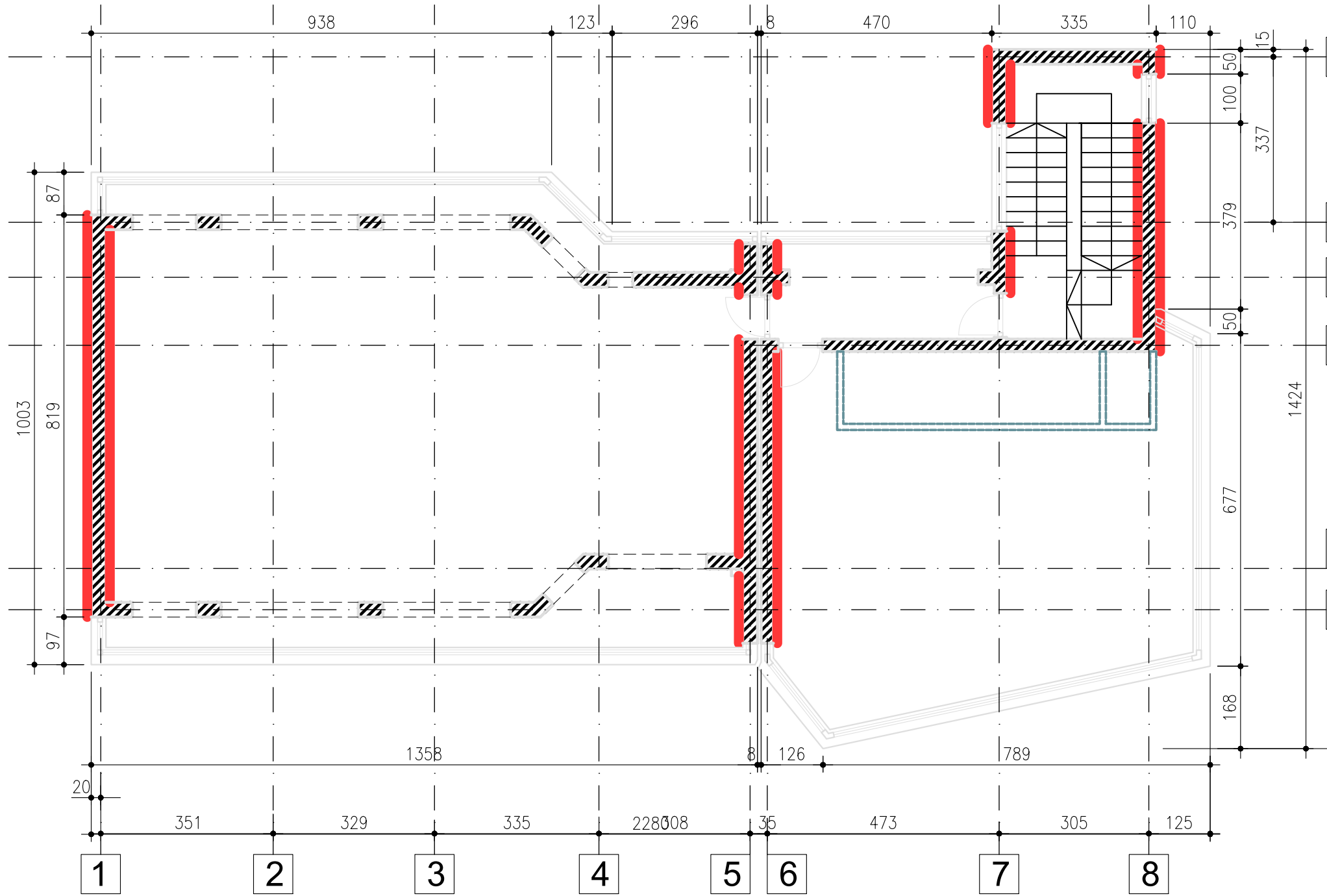
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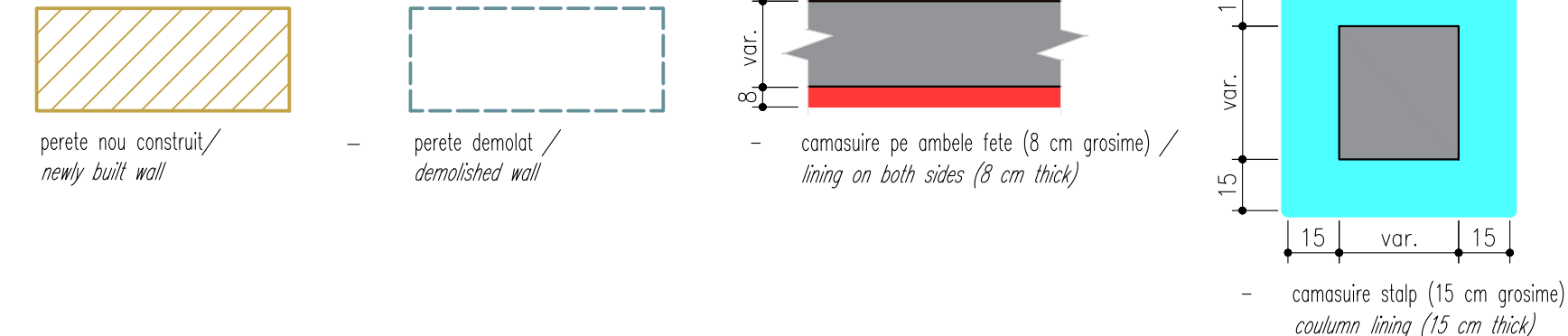
Lucrari de reparatii - Plan consolidare pereti etaj 3/

Repair works - 3rd floor wall consolidation plan

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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 subzidirii locale in ploturi. In cazul in care se constata fisuri se vor realiza reparatii prin injectari.
- Realizare hidroizolatii exteriora la fundatii.
- Realizare sistem de tip Freeze-teq pentru impiedicarea urcarii apei prin capilaritate;
- Refacere tencuiei degradate prin accesiunea apei in zidarie;
- Refacere trotuare etanse

La suprastructura:

- Se vor injecta toate fisurile descoperite in zidarie/elemente beton;
 - Inlaturarea zonelor cu elemente arhitecturale degradate la fatada, realizarea eventualelor reparatii la elementele structurale (daca au fost identificate degradari) si refacere sisteme de fatada corespunzatoare.
 - Reconditionare sisteme de instalatii canalizare si pluviale
 - Verificare straturi terasa si realizarea reparatiilor ce se impun;
 - Verificarea elementelor de beton, repararea acestora dupa caz si necesitate inclusiv injectarea fisurilor, refacere acoperire cu beton a armaturilor, reparatii eventuale zone cu segregari de betoane;
 - Consolidarea tuturor stalpilor de beton in varianta cu camasiu de beton armat, camasiu de carbon sau camasiu de carbon cu profile metalice (corniere si platbande metalice).
 - Pentru micșorarea deplasărilor relative de nivel propunem înlocuirea unor pereti de caramida cu pereti de beton armat sau camasiu de beton armat cu mortar de ciment si plase armate rezultand diafragme moi.
- Aceste lucrari se vor realiza pentru peretii laterali transversali, pereti care sa se dezvolte minim pe zona parter si etaj 1.

EXECUTION TECHNOLOGY

For the infrastructure:

- Extend foundation inspections to include depth, width, and structural aspects. If foundations are found on backfill or above the frost line, localized underpinning will be performed in plots. In cases of cracks or deteriorated concrete, repairs will be made using injection techniques.
- Apply external waterproofing to the foundations.
- Implement a Freeze-teq-type system to prevent water from rising through capillarity.
- Restore degraded plaster caused by water infiltration into the masonry.
- Reconstruct watertight pavements.

For the superstructure:

- Inject all identified cracks in masonry and concrete elements.
- Remove degraded architectural elements from the facade, carry out any necessary structural repairs (if damages are identified), and restore the corresponding facade systems.
- Rehabilitate sewage and rainwater drainage systems.
- Inspect terrace layers and perform necessary repairs.
- Inspect and repair concrete elements, including crack injections, restoring concrete cover for reinforcements, and addressing any segregated concrete areas.
- Strengthen all concrete columns using reinforced concrete jacketing, carbon fiber jacketing, or metallic jacketing with angles and flat bars.
- To reduce relative floor displacements, replace some masonry walls with reinforced concrete walls or reinforce masonry walls with cement mortar and reinforcement meshes, resulting in soft diaphragms. These measures will be implemented for lateral transverse walls, extending at least across the ground floor and first floor.

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			
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Self Project 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			Proiect / Project 38 / 2022
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Denumire / Title STATIA C.F. BUCURESTI NORD GRUPA B. CLADIRE CED. LUCRARI DE REPARATII / BUCHAREST NORTH RAILWAY STATION GROUP B. CED BUILDING. REPAIR WORKS			Scara / Scale 1:100
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2			
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