Structure solution:

System consist of predominantly parameter reinforced concrete wall with internal column and beam as frame in the basement but upper structure is predominantly consist of RC column and beams two small reinforced concrete wall are used due to structure stiffness and stability against lateral load one way RC slab are used.

Material solution:

Vertical structure:
Monolithic WC Walls till 400mm, C30/35,
RC Monolithic Columns 400mm, C30/35
RC beam h=500mm

Horizontal Structure:
One way monolithic RC slab, C30/35

Envelope composition:
Internal Plaster till 10mm (I=0.80 w/mk)
Porotherm 40 P+D (R=0.23)
expanded polystyrene (I=0.38)

U=1/(R1+R2+R3) = 1/0.80+3.7+0.04=0.26 w/m²K

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<tr>
<th>Subject</th>
<th>Department</th>
<th>Student name</th>
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<tr>
<td>Thesis</td>
<td>Building structures</td>
<td>Hikmatullah Salariyi</td>
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<tr>
<td>Year</td>
<td>Supervisor</td>
<td>Dobling Tomas celka, ph.d</td>
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structural system variant B

Typical floor