

Structure solution:

system consist of predominantly parameter reinforced concrete wall with circular and rectangular reinforced concrete column  
2way flat slab is used

Material solution:

Vertical structure:

Monolithic RC Walls tl.400mm, C30/35  
RC Monolithic Columns  $\varnothing$ 400mm, C30/35

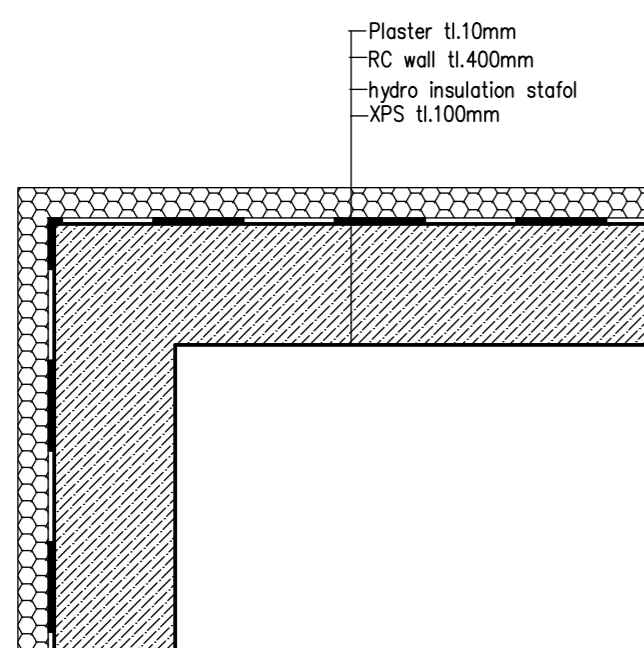
Horizontal Structure:

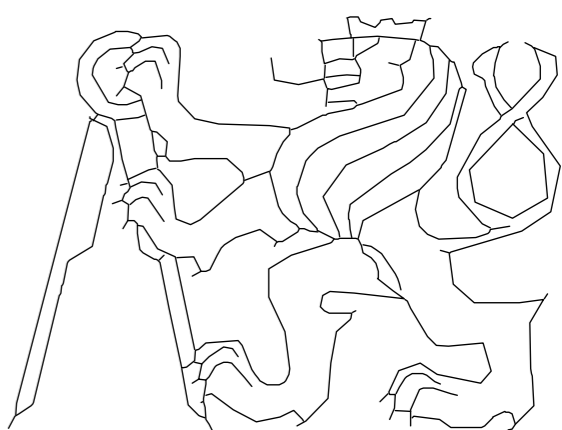
Two way monolithic RC flat slab, C30/35

Envelope composition:

internal Plaster tl.10mm ( $\lambda=0.80$  w/mk)  
Porotherm 40 P+D ( $R=3.23$ )  
expended polystyrene ( $\lambda=0.38$ )

$$U=1/R_i+R+R_e = 1/0.13+3.7+0.04=0.26 \text{ w/m}^2\text{K}$$



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<u>structural system variant A</u> <u>Basement floors</u>			FORMÁT	A2
			MĚŘÍTKO	1:100
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