

Structure solution:

system consist of predominanty 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 ø400mm, C30/35

Horizontal Structure:

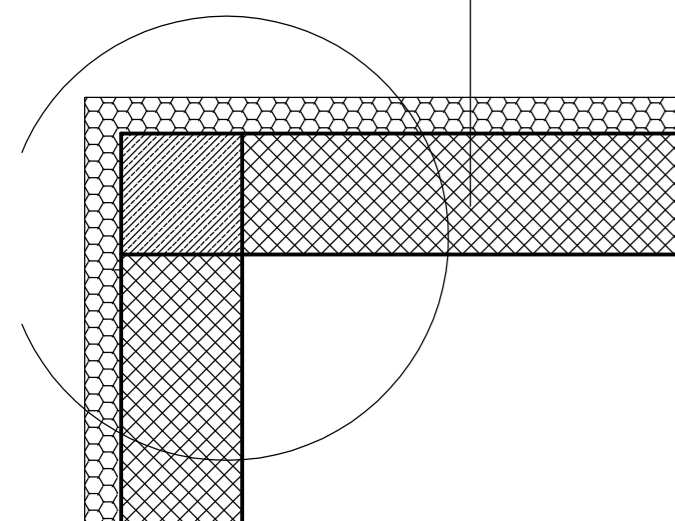
Two way monolithic RC flat slab, C30/35

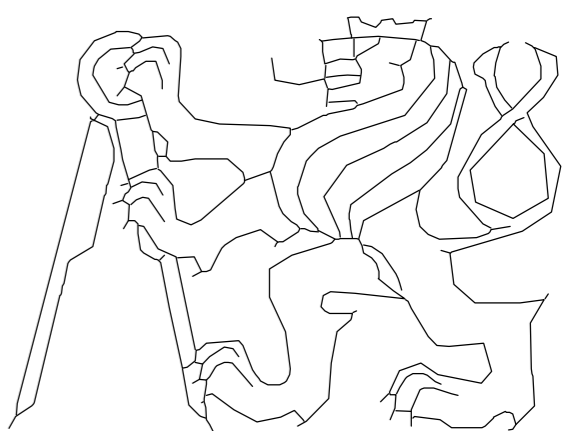
Envelope composition:

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

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

Plaster tl.10mm
Porotherm 40 P+D
EPS tl.100mm
Plaster



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<u>structural system variant A</u> <u>typical floor</u>			FORMÁT	A2
			MĚŘÍTKO	1:100
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