







	Fire	sound	Moisture	U-value	Final construction
 720 mm brick well	R120 A2-s1, d0		<ul style="list-style-type: none"> - steel plates in the wall (as the moisture barrier) - 150 mm insulation which has drainage grooves - perimeter drain under the insulation (to direct the water away from building/wall) - ventilate the room - heat the room 	<ul style="list-style-type: none"> - 720 mm brick - 150 mm rockwool basement wall insulation - Fibre cloth - 10 mm plaster $U = 0,20 \text{ W/m}^2$ 	720 mm brick wall 150 mm rockwool basement wall insulation with grooves Fibre cloth (10 mm plaster to cover the insulation above the terrain)
 170, 250, 200 mm	REI 60 A2-s1, d0				170 mm brick wall 250 mm brick wall 200
	$R_{E1} 60$ $R_{E1} 60$ A2-s1, d0				170 mm concrete wall 200 mm concrete wall 340 mm concrete wall 170 mm concrete wall
 (storey partition between habitable dwellings)	RD 60 + 60 min. fire protection board 2x 12,5 mm GVE 13 Normal Ergo	$R' = 57 \text{ dB}$, $L'w = 45 \text{ dB}$, class D 20 mm air gap (re place) 45 mm steel profile with mineral wool in between 20 mm ceiling mounting profile c/c 600 mm 2x 12,5 mm gypsum boards			20 mm wooden floor boards 228 mm x 203 mm wooden beams with clay pugging layer in between 20 mm air gap 45 mm steel profile with mineral wool in between 20 mm ceiling mounting profile c/c 600 mm 2x 12,5 mm GVE 13 Normal Ergo 358
 (storey partition between qt and basement)	RD 60 + 60 min. fire protection board 2x 12,5 mm GVE 13 Normal Ergo	$R' = 57 \text{ dB}$, $L'w = 45 \text{ dB}$, class D - insulation - gypsum boards	- damp proof membrane		20 mm wooden floor board 228 mm x 203 mm wooden beams with clay pugging and 70 mm mineral wool between beams DPM/radon protection layer 45 mm mineral wool 2x 12,5 mm GVE 13 Normal Ergo 319
 (storey partition in new design)	REI 60 A2-s1, d0 2x 12,5 mm GVE 13 Normal Ergo	$R' = 60 \text{ dB}$, $L'w = 53 \text{ dB}$, class C - sound steel profiles - insulation - gypsum boards			25 wooden board 25 butten 12 mm plywood brezhale plades 66 mm IPE 270 beam with fire protection with 20 mm insulation (Paroc FPS 17) around. 45 mm mineral wool 25 mm 525 mounting plan 2x 15,5 mm gypsum board Secure Board 376 / 351 / 390