



Catalog of standard structures.

component layers
thermal properties
etc

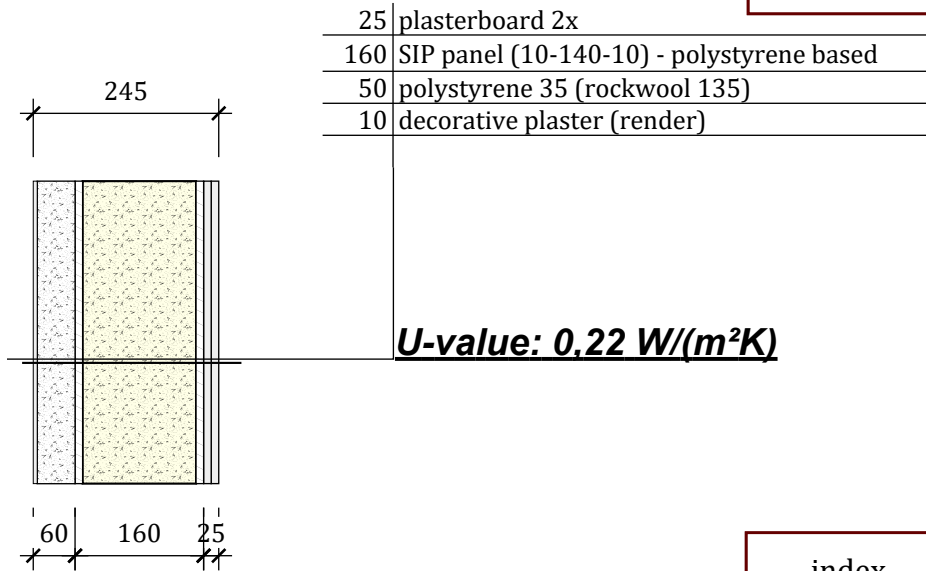


Lviv - 2022

SIP walls

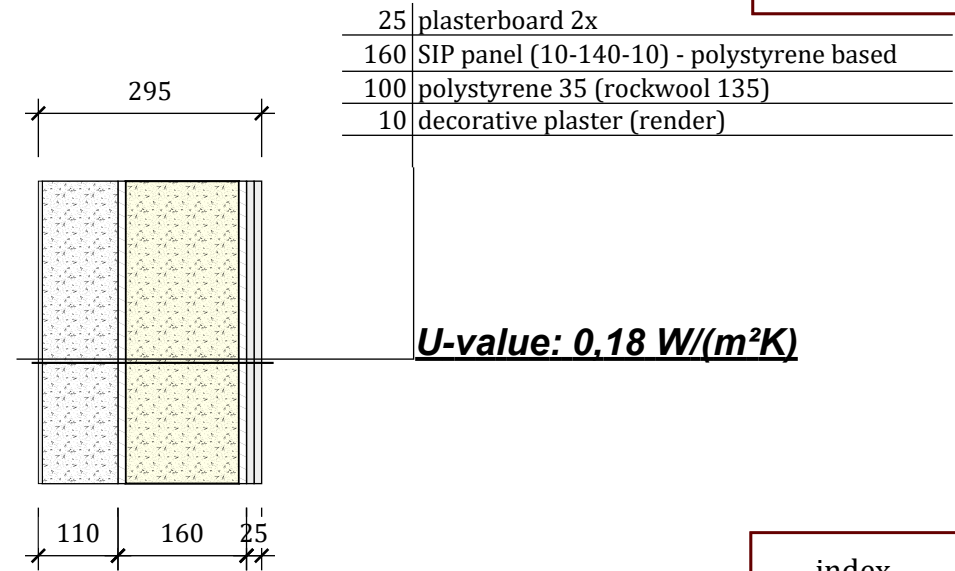
Outside wall 160 (SIP)
(façade - render + 50 mm)

index
10.01



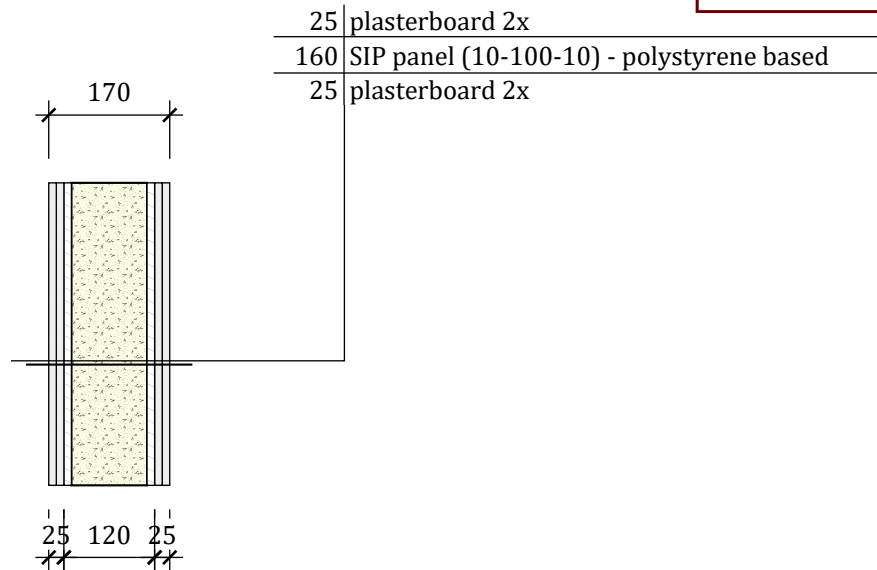
Outside wall 160 (SIP)
(façade - render + 100 mm)

index
10.02



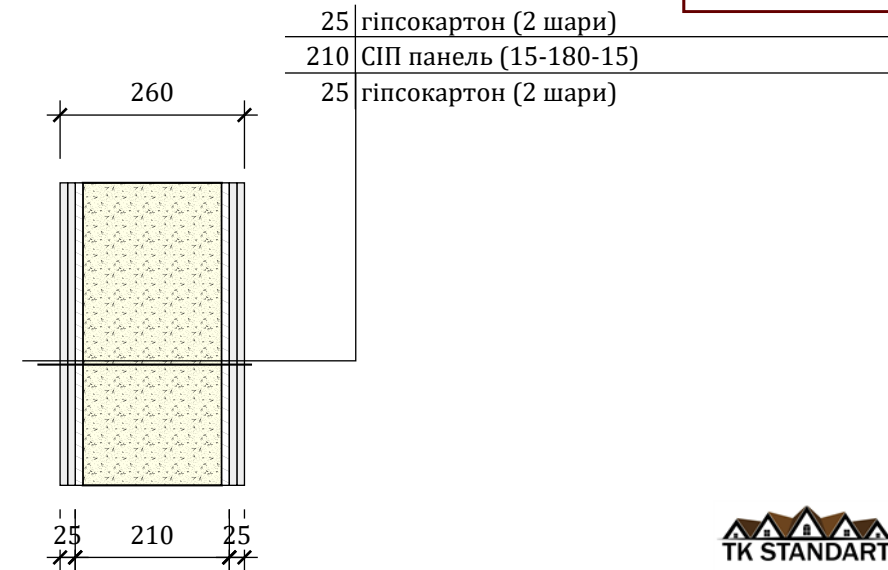
Inter-room partition 120 (SIP)

index
10.03



Inter-property partition 210 (SIP)

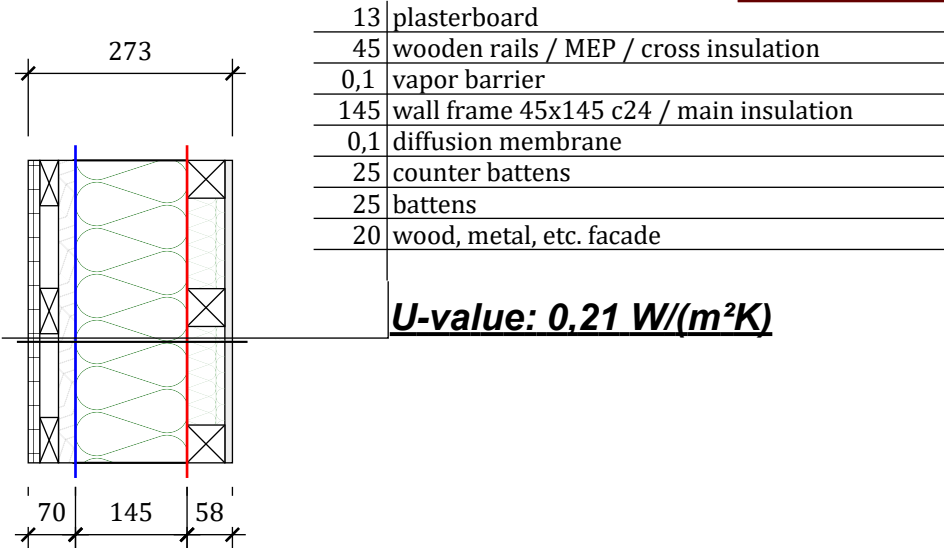
index
10.04



Rockwool insulated walls (light version)

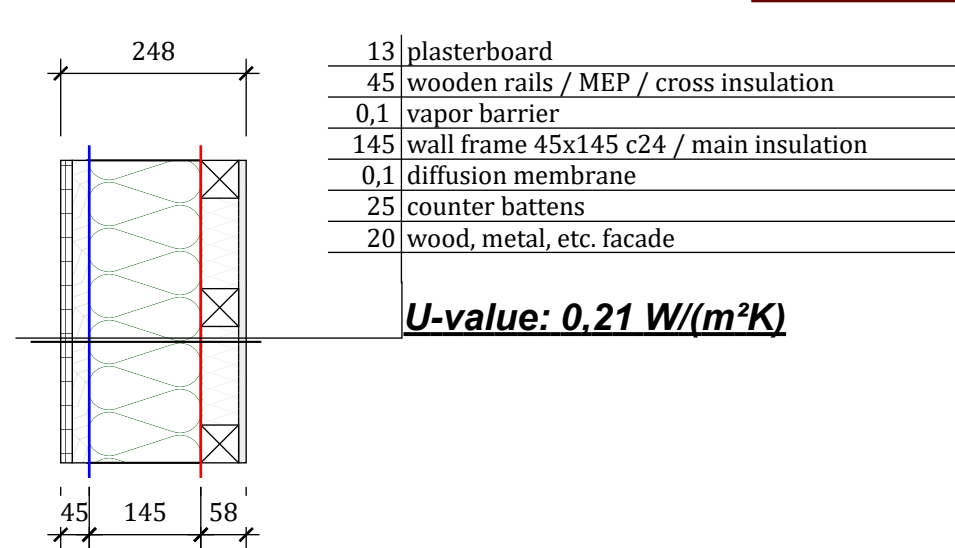
Outside wall 145+45 (rockwool)
(façade - wood or metal vertical)

index
20.01



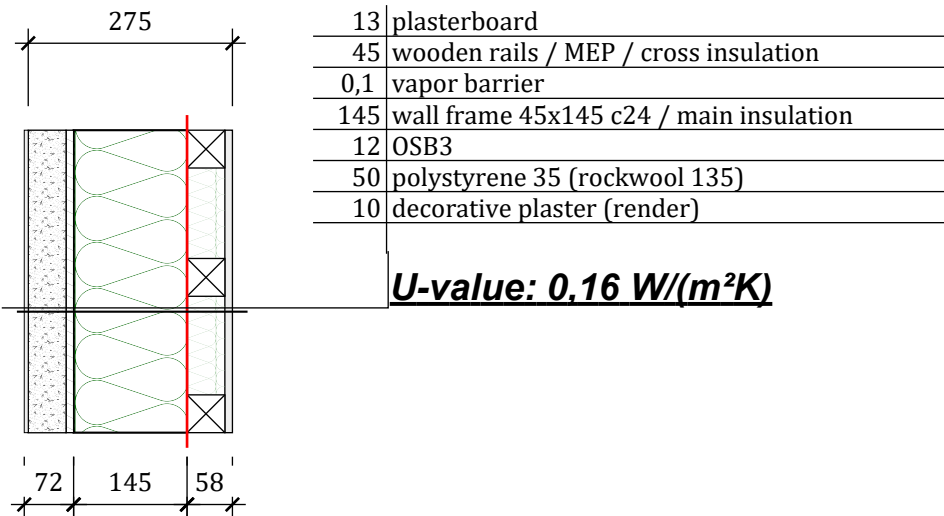
Outside wall 145+45 (rockwool)
(façade - wood or metal horizontal)

index
20.02



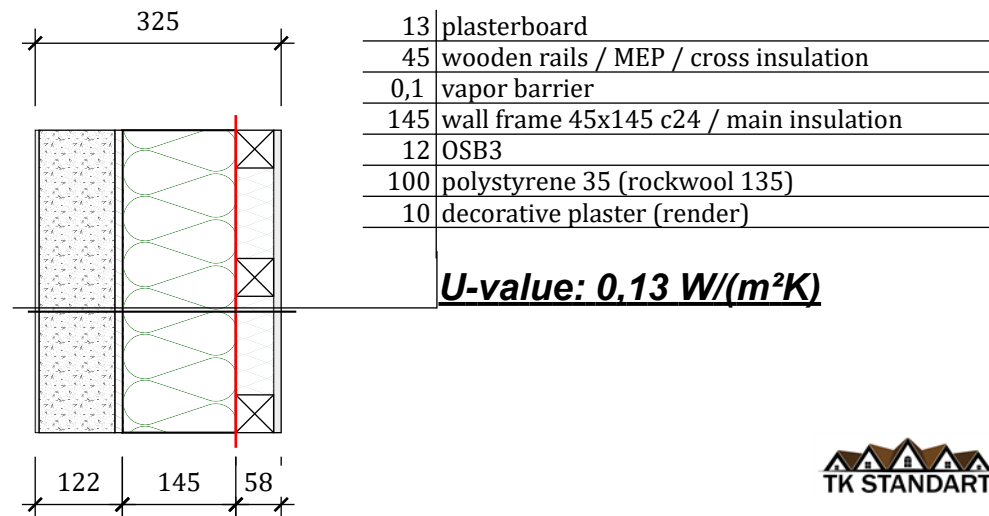
Outside wall 145+45 (rockwool)
(façade - render +50 mm)

index
20.03



Outside wall 145+45 (rockwool)
(façade - render +100 mm)

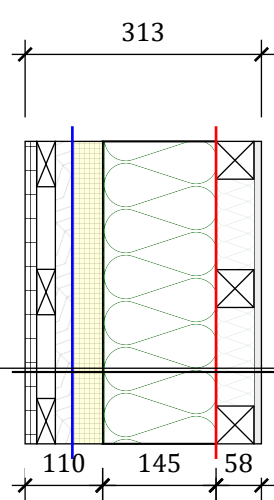
index
20.04



Rockwool insulated walls (Eurostandard)

Outside wall 145+45+40 (rockwool+steico)
(façade - wood or metal vertical)

index
30.01

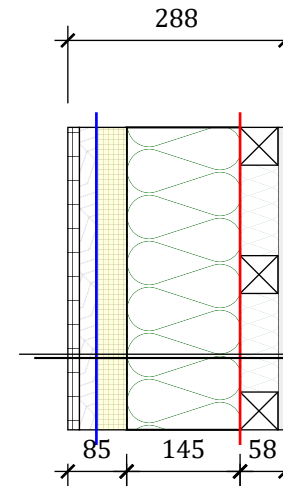


13	plasterboard
45	wooden rails / MEP / cross insulation
0,1	vapor barrier
145	wall frame 45x145 c24 / main insulation
40	hydrophobic breathable board STEICO
0,1	diffusion membrane
25	counter battens
25	battens
20	wood, metal, etc. facade

U-value: 0.17 W/(m²K)

Outside wall 145+45+40 (rockwool+steico)
(façade - wood or metal horizontal)

index
30.02

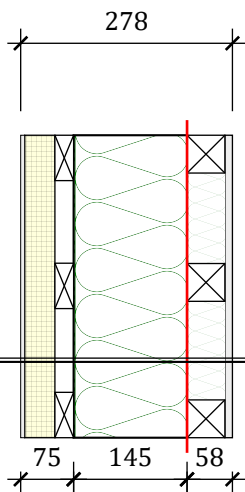


13	plasterboard
45	wooden rails / MEP / cross insulation
0,1	vapor barrier
145	wall frame 45x145 c24 / main insulation
40	hydrophobic breathable board STEICO
0,1	diffusion membrane
25	counter battens
20	wood, metal, etc. facade

U-value: 0.17 W/(m²K)

Outside wall 145+45+40 (rockwool+steico)
(façade - render +40)

index
30.03

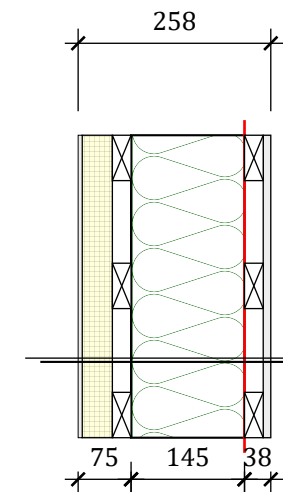


13	plasterboard
45	wooden rails / MEP / cross insulation
0,1	vapor barrier
145	wall frame 45x145 c24 / main insulation
25	battens
40	hydrophobic breathable board STEICO
10	decorative plaster (render)

U-value: 0.16 W/(m²K)

Outside wall 145+40 (rockwool+steico)
(façade - render +40)

index
30.04



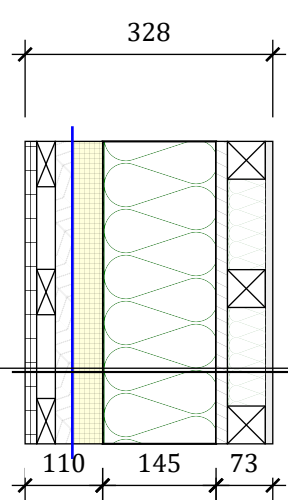
13	plasterboard
25	wooden rails / MEP
0,1	vapor barrier
145	wall frame 45x145 c24 / main insulation
25	battens
40	hydrophobic breathable board STEICO
10	decorative plaster (render)

U-value: 0.20 W/(m²K)

Rockwool insulated walls (Eurostandard plus)

Outside wall 145+45+40 (rockwool+steico+OSB)
(façade - wood or metal vertical)

index
40.01

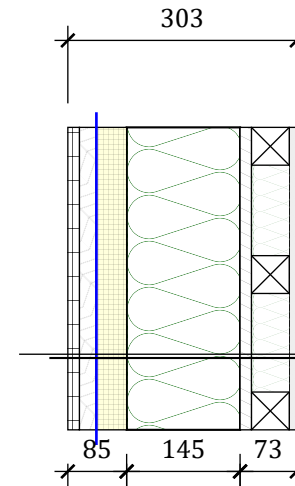


13	plasterboard
45	wooden rails / MEP / cross insulation
15	OSB3
145	wall frame 45x145 c24 / main insulation
40	hydrophobic breathable board STEICO
0,1	diffusion membrane
25	counter battens
25	battens
20	wood, metal, etc. facade

U-value: 0,17 W/(m²K)

Outside wall 145+45+40 (rockwool+steico)
(façade - wood or metal horizontal)

index
40.02

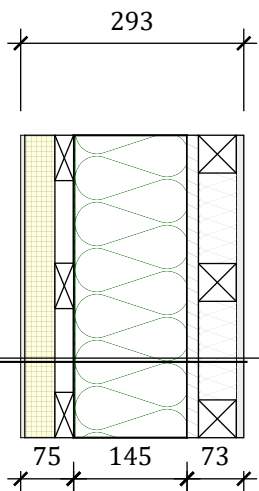


13	plasterboard
45	wooden rails / MEP / cross insulation
15	OSB3
145	wall frame 45x145 c24 / main insulation
40	hydrophobic breathable board STEICO
0,1	diffusion membrane
25	counter battens
20	wood, metal, etc. facade

U-value: 0,17 W/(m²K)

Outside wall 145+45+40 (rockwool+steico+OSB)
(façade - render +40)

index
40.03

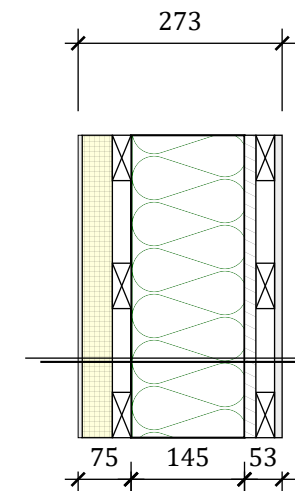


13	plasterboard
45	wooden rails / MEP / cross insulation
15	OSB3
145	wall frame 45x145 c24 / main insulation
25	battens
40	hydrophobic breathable board STEICO
10	decorative plaster (render)

U-value: 0,16 W/(m²K)

Outside wall 145+40 (rockwool+steico+OSB)
(façade - render +40)

index
40.04



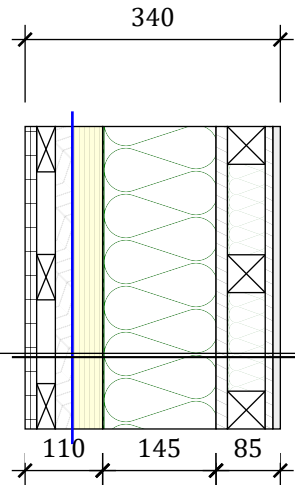
13	plasterboard
25	wooden rails / MEP
15	OSB3
145	wall frame 45x145 c24 / main insulation
25	battens
40	hydrophobic breathable board STEICO
10	decorative plaster (render)

U-value: 0,19 W/(m²K)

Rockwool insulated walls (Eurostandard plus 2x)

Outside wall 145+45+40 (rockwool+steico+OSB 2x)
(façade - wood or metal vertical)

index
50.01

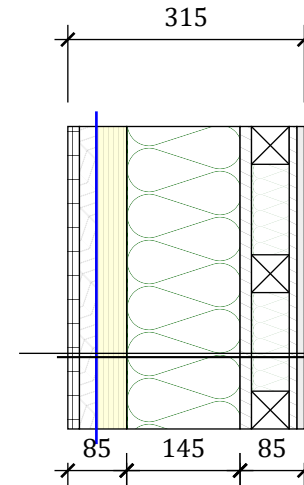


13	plasterboard
12	OSB3
45	wooden rails / MEP / cross insulation
15	OSB3
145	wall frame 45x145 c24 / main insulation
40	hydrophobic breathable board STEICO
0,1	diffusion membrane
25	counter battens
25	battens
20	wood, metal, etc. facade

U-value: 0,16 W/(m²K)

Outside wall 145+45+40 (rockwool+steico+OSB 2x)
(façade - wood or metal horizontal)

index
50.02

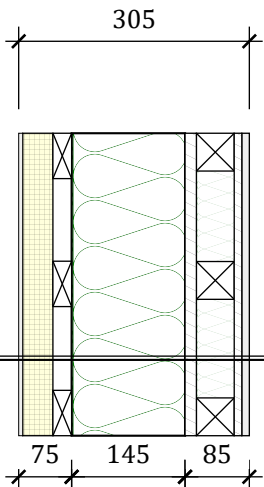


13	plasterboard
12	OSB3
45	wooden rails / MEP / cross insulation
15	OSB3
145	wall frame 45x145 c24 / main insulation
40	hydrophobic breathable board STEICO
0,1	diffusion membrane
25	counter battens
20	wood, metal, etc. facade

U-value: 0,16 W/(m²K)

Outside wall 145+45+40 (rockwool+steico+OSB 2x)
(façade - render +40)

index
50.03



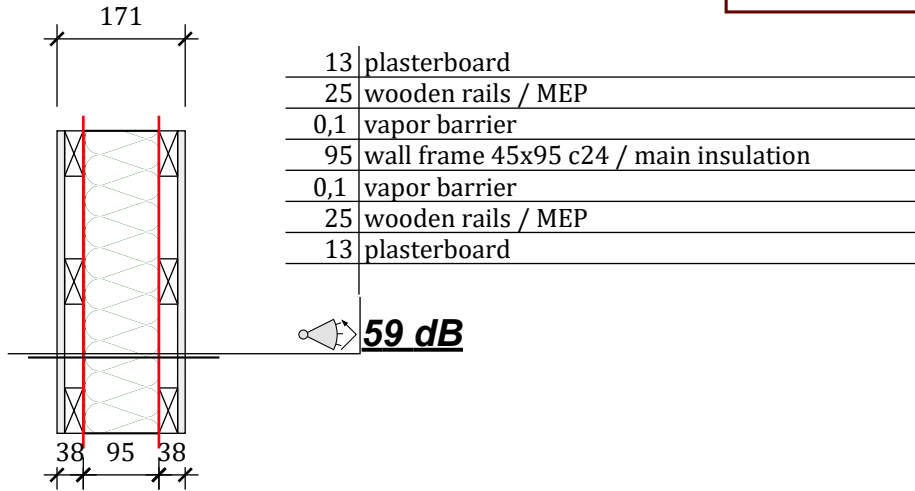
13	plasterboard
12	OSB3
45	wooden rails / MEP / cross insulation
15	OSB3
145	wall frame 45x145 c24 / main insulation
25	battens
40	hydrophobic breathable board STEICO
10	decorative plaster (render)

U-value: 0,16 W/(m²K)

Sound isolated partitions

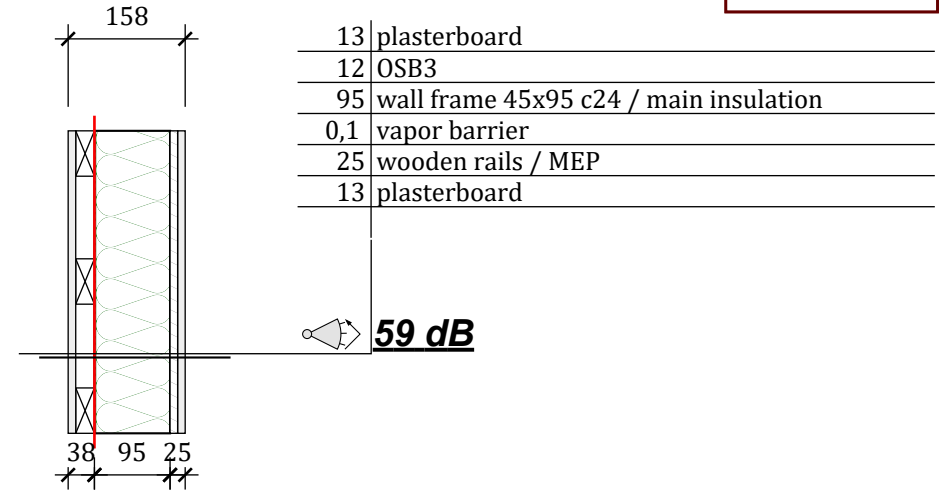
Inter-room partition 171/95

index
60.01



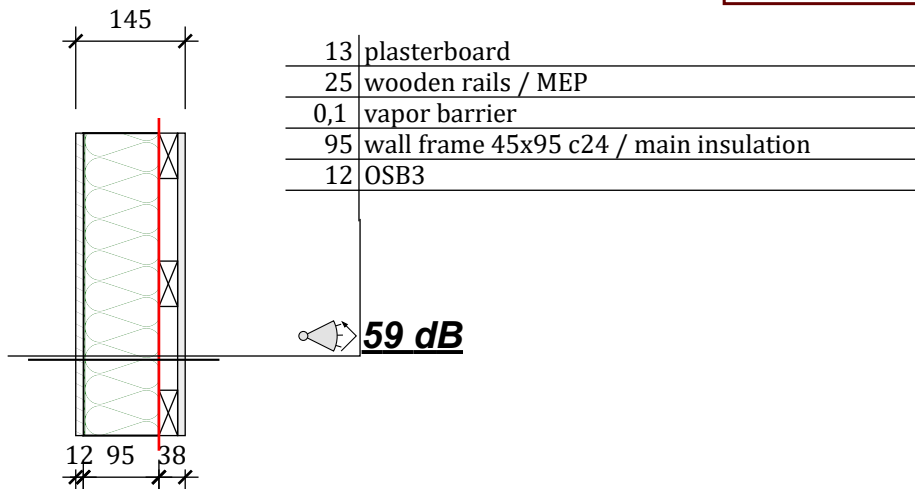
Inter-room partition 158/95

index
60.02



1/2 of Inter-property partition 145/95

index
60.03



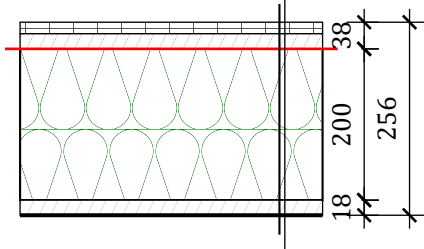
Floor and ceiling panels. Rockwool insulated

Ground floor panel (rockwool)

index
70.01

16	final flooring
22	OSB3
0,1	vapor barrier
200	floor frame 60x200 c24 / main insulation
18	laminated marine plywood

U-value: 0.19 W/(m²K)

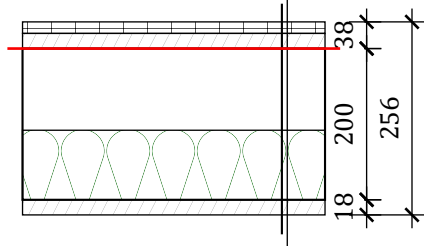


Above the ground floor panel (rockwool)

index
70.03

16	final flooring
22	OSB3
0,1	vapor barrier
200	floor frame 60x200 c24 / 100 main insulation
18	OSB3

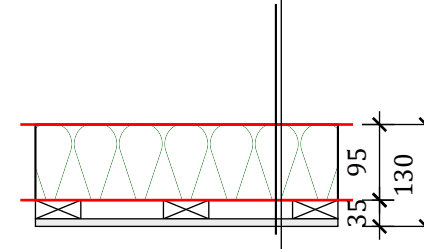
59 dB



Ceiling panel (rockwool)

index
70.02

0,1	vapor barrier
95	floor frame 45x95 c24 / main insulation
0,1	vapor barrier
25	wooden rails / MEP
10	plasterboard



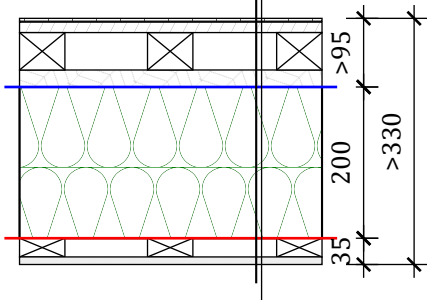
Roof panels. Rockwool insulated

Flat roof panel (rockwool)

index
80.01

16	EPDM roofing membrane
22	OSB3
>50	slope forming rails / ventilated gap
25	counterbattens
0,1	diffusion membrane
200	roof frame 60x200 c24 / main insulation
0,1	vapor barrier
25	wooden rails / MEP
10	plasterboard

U-value: 0,19 W/(m²K)



Pitched roof panel (rockwool)

index
80.02

20	metal roofing
25	roof battens
25	counterbattens
0,1	diffusion membrane
200	roof frame 60x200 c24 / main insulation
0,1	vapor barrier
25	wooden rails / MEP
10	plasterboard

U-value: 0,19 W/(m²K)

