


Drawing nr.	Contents of drawing
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AC01-SPA-1E-EN	Acoustic cladding 01 SPA
AC10-SPA-2E-EN	Acoustic cladding 01 SPA

City sector	Block	Site/Reg. nr.	File nr.				
Building type			Drawing type				Nr.
Building, Name and address			Contents of drawing				Scale
<div> Ruukki Construction Oy Panuntie 11 00620 HELSINKI FINLAND</div> <div>tel. +358 (0) 20 59 150 www.ruukki.com</div>			Acoustic cladding 01 SPA				
Date	15.08.2024	Designer	Work nr.	Work nr.	Drw. nr.	Rev.	
Drawn by	Ruukki	Checked					



Contents of drawing

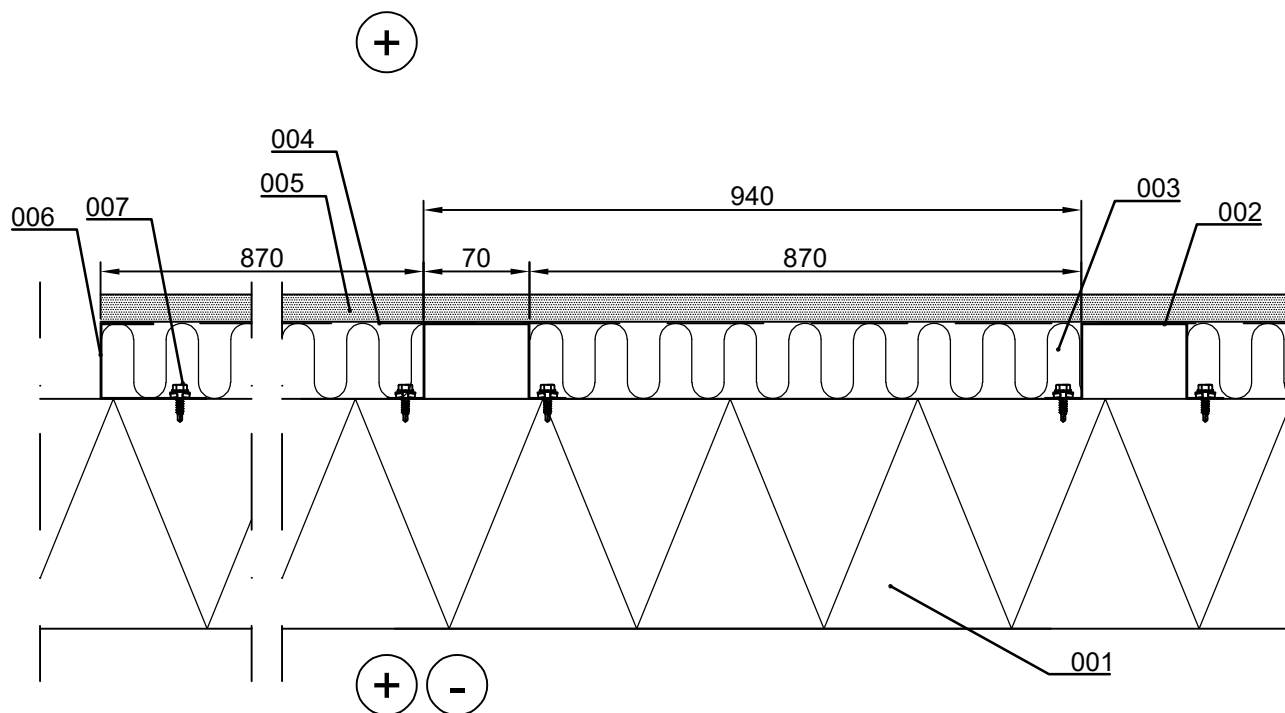
Acoustic cladding
01 SPA

Date 30.09.2022	Rev. date 15.08.2024	Work nr.	Drawing nr. AC01-SPA-1E
Drawn by Ruukki	Rev. 1		
Scale 1:5	Building		File nr.

Typical sandwich panel sound insulation level is between R_w 29 - 31dB. Panel surfaces are sound reflective in nature without sound absorption. Added sound absorption layer increase sandwich panel sound insulation property as well. Amount of increased R_w value in dB's is very similar installed with another type of sandwich panel. The sound absorption layer can also be used on partition board wall or ceiling.

SPA150E + 50 mm acoustic structure

acoustic structure	R_w value improvement	R_w
one side	+ 6 dB	36 dB



- ☐ 001. Sandwich panel, SPA
- ☐ 002. Support stud CA1SS9
- ☐ 003. Mineral wool slab CFW50565870 (50 mm x 565 mm x 870 mm)
- ☐ 004. Acoustic fabric, PET (106 m²/roll)
- ☐ 005. Ruukki Design profile with 30% perforating
- ☐ 006. Support stud CA1RS3
- ☐ 007. Screw S3H55022L02S4B, c/c 300

The final execution always according to instructions of the structural designer

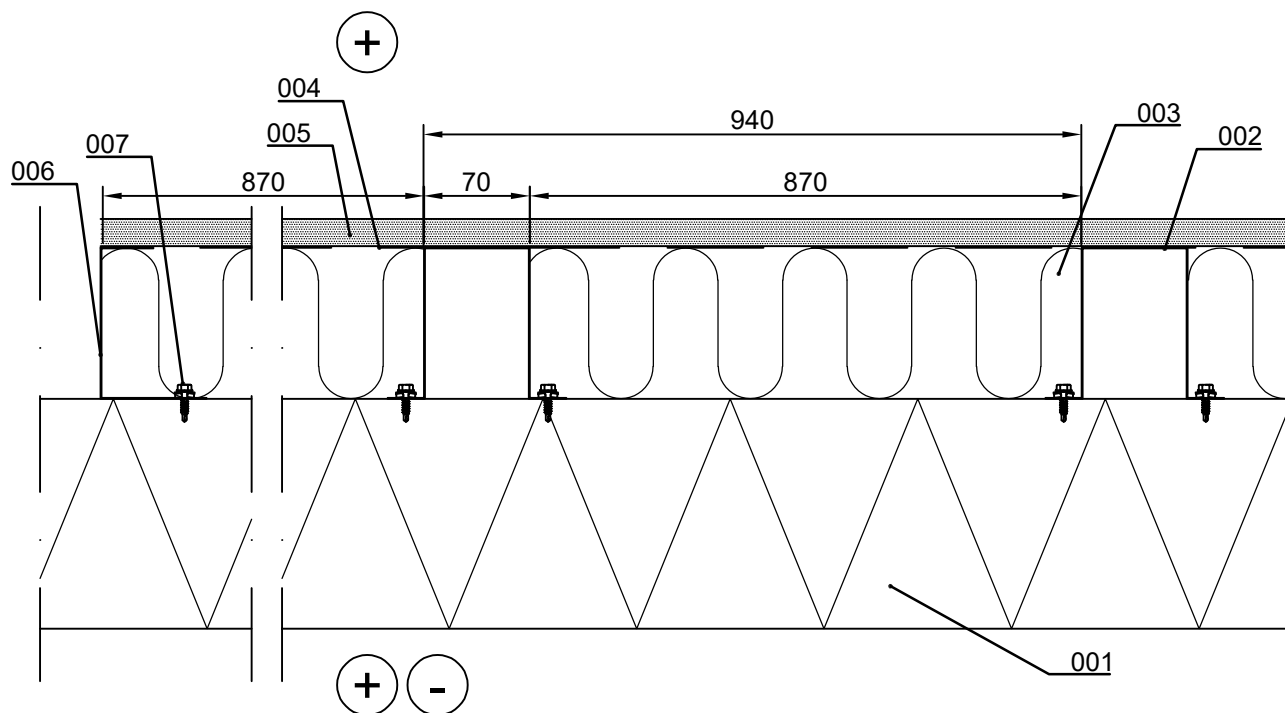
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Date 30.09.2022	Rev. date 15.08.2024	Work nr.	Drawing nr. AC01-SPA-2E
Drawn by Ruukki	Rev. 1		
Scale 1:5	Building		File nr.

Typical sandwich panel sound insulation level is between R_w 29 - 31dB. Panel surfaces are sound reflective in nature without sound absorption. Added sound absorption layer increase sandwich panel sound insulation property as well. Amount of increased R_w value in dB's is very similar installed with another type of sandwich panel. The sound absorption layer can also be used on partition board wall or ceiling.

SPA150E + 100 mm acoustic structure		
acoustic structure	R_w value improvement	R_w
one side	+ 10 dB	39 dB
both sides	+ 16 dB	45 dB



- ☐ 001. Sandwich panel, SPA
- ☐ 002. Support stud CA1SS10
- ☐ 003. Mineral wool slab CAFW100565870 (100 mm 565 mm x 870 mm)
- ☐ 004. Acoustic fabric, PET (106 m²/roll)
- ☐ 005. Ruukki Design profile with 30% perforating
- ☐ 006. Support stud CA1RS4
- ☐ 007. Screw S3H55022L02S4B, c/c 300

The final execution always according to instructions of the structural designer

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