

Drawing nr.	Contents of drawing
SPA50-FIRE-1E-EN	Ceiling, joint between panels
SPA51-FIRE-1E-EN	Ceiling, middle area
SPA52-FIRE-1E-EN	Ceiling, edge area
SPA52-FIRE-2E-EN	Ceiling, edge area
SPA52-FIRE-3E-EN	Ceiling, longitudinal edge, not fixed
SPA52-FIRE-4E-EN	Ceiling, edge area, panel end

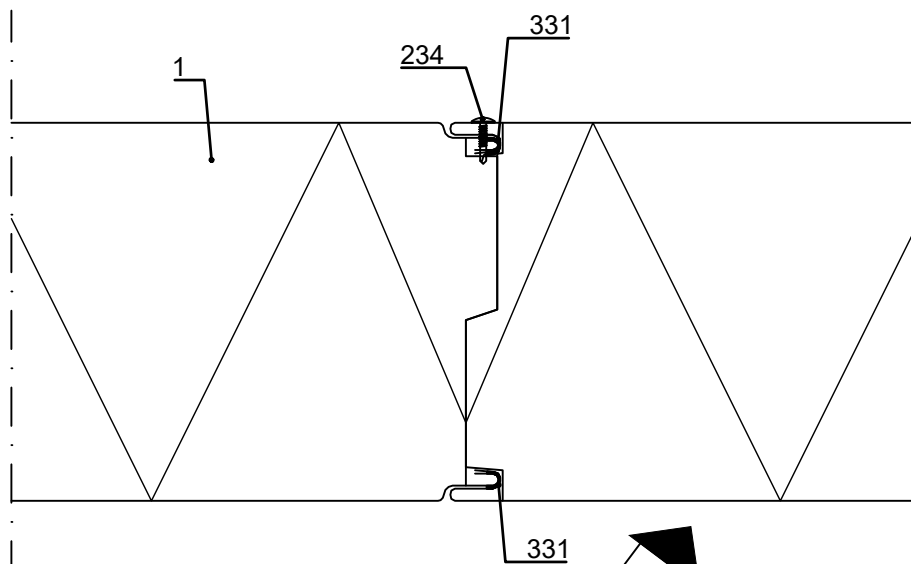
City sector	Block	Site/Reg. nr.	File nr.		
Building type			Drawing type		
Building, Name and address			Nr.		
 Ruukki Construction Oy Panuntie 11 00620 HELSINKI FINLAND tel. +358 (0) 20 59 150 www.ruukki.com			Contents of drawing		Scale
			Sandwich panel SPA compartment details, ceiling Principle details		
Date	Designer	Work nr.	Work nr.	Drw. nr.	Rev.
30.06.2023					
Drawn by	Checked				
Ruukki					



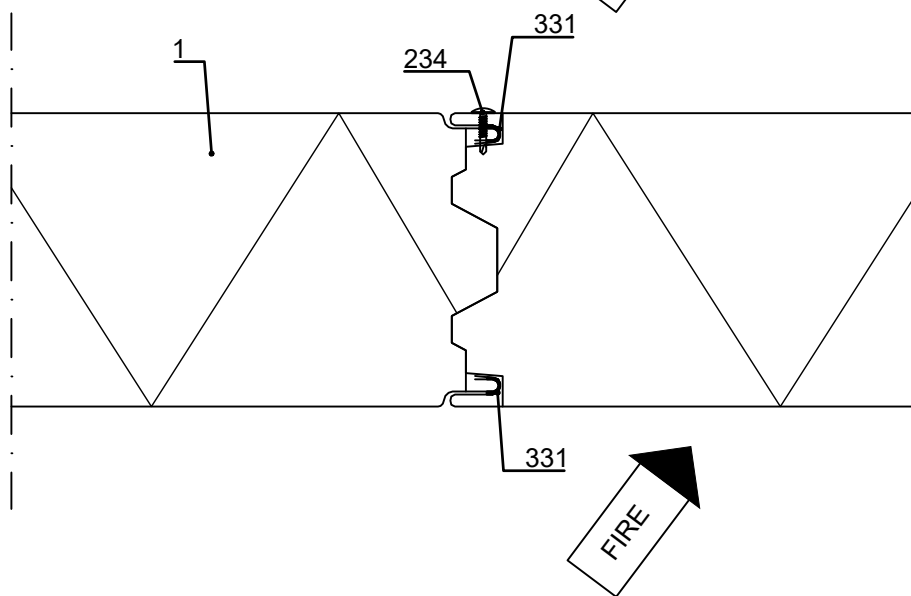
Contents of drawing

Sandwich panel SPA compartment details
ceiling,
joint between panels

Date 30.06.2023	Rev. date	Work nr.	Drawing nr. SPA50-FIRE-1E-EN
Drawn by Ruukki	Rev.		
Scale 1:2.5	Building		File nr.



Thickness class: 125, 150, 175,
200, 200+, 230 and 300 mm



Thickness class: 100 mm

- ☐ 001. Sandwich panel SPA
- ☐ 234. Screw, d(min.) = 4,2 mm, elements are fastened to each other from top surface joints, max. distance between fasteners 500 mm
- ☐ 331. Elastic groove joint sealant, installed in the factory
- ☒ Ruukki's delivery

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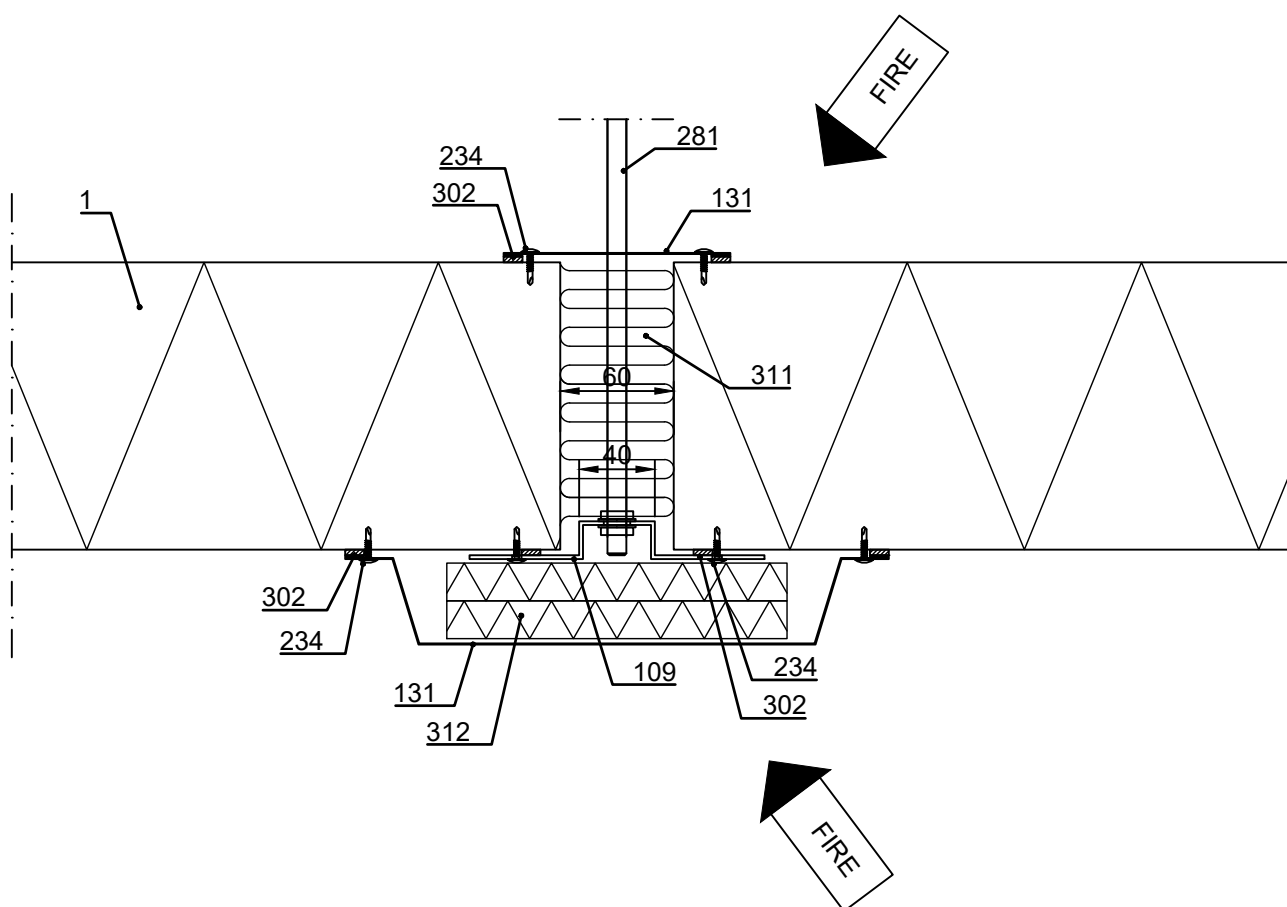
Contents of drawing

Sandwich panel SPA compartment details
ceiling,
middle area

Date 30.06.2023	Rev. date	Work nr.	Drawing nr. SPA51-FIRE-1E-EN
Drawn by Ruukki	Rev.		
Scale 1:4	Building		File nr.

Fire protection wool FPS 17, thickness (mm)

Structure	EI60	EI90	EI120	EI180	EI240
Wall	-	20	20	30	50
Ceiling	20	20	30	n/a	n/a



- ☐ 001. Sandwich panel SPA
- ☐ 109. /EA1HP3/ Hat purlin
- ☐ 131. /EA1R18/ Cover flashing
- ☐ 234. Flashing screw c/c 300 mm
- ☐ 281. Threaded rod M12
- ☐ 302. /EA3SS410/ Sealing band
- ☐ 311. /EAWS30565/ Mineral wool
- ☐ 312. /EAFW206001200/ Fire protection wool

☒ Ruukki's delivery

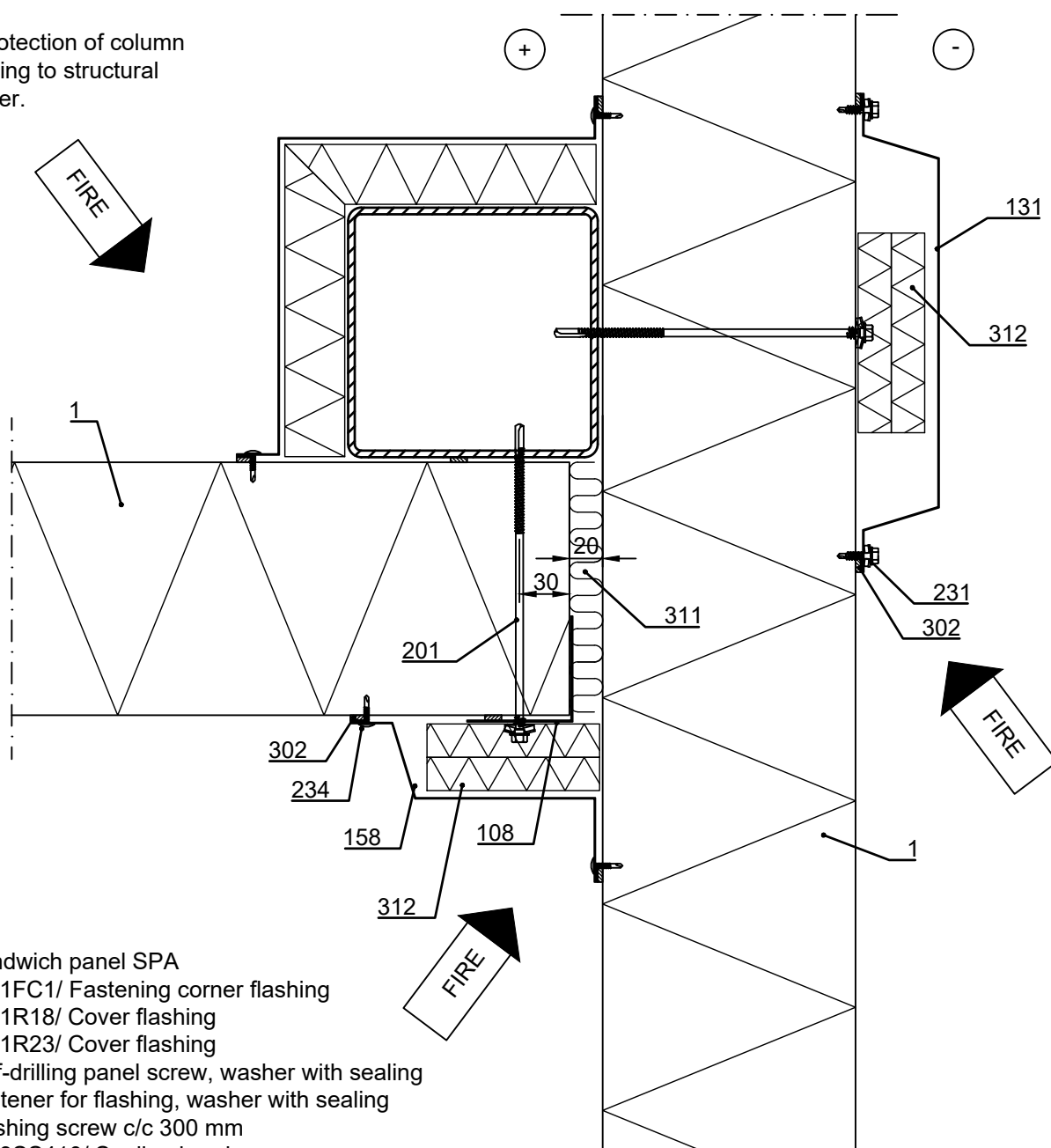
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Date 30.06.2023	Rev. date	Work nr.	Drawing nr. SPA52-FIRE-1E-EN
Drawn by Ruukki	Rev.		
Scale 1:4	Building		File nr.

Fire protection wool FPS 17, thickness (mm)

Structure	EI60	EI90	EI120	EI180	EI240
Wall	-	20	20	30	50
Ceiling	20	20	30	n/a	n/a

Fire protection of column
according to structural
designer.



- ☐ 001. Sandwich panel SPA
- ☐ 108. /EA1FC1/ Fastening corner flashing
- ☐ 131. /EA1R18/ Cover flashing
- ☐ 158. /EA1R23/ Cover flashing
- ☐ 201. Self-drilling panel screw, washer with sealing
- ☐ 231. Fastener for flashing, washer with sealing
- ☐ 234. Flashing screw c/c 300 mm
- ☐ 302. /EA3SS410/ Sealing band
- ☐ 311. /EAWS30565/ Mineral wool
- ☐ 312. /EAFW206001200/ Fire protection wool

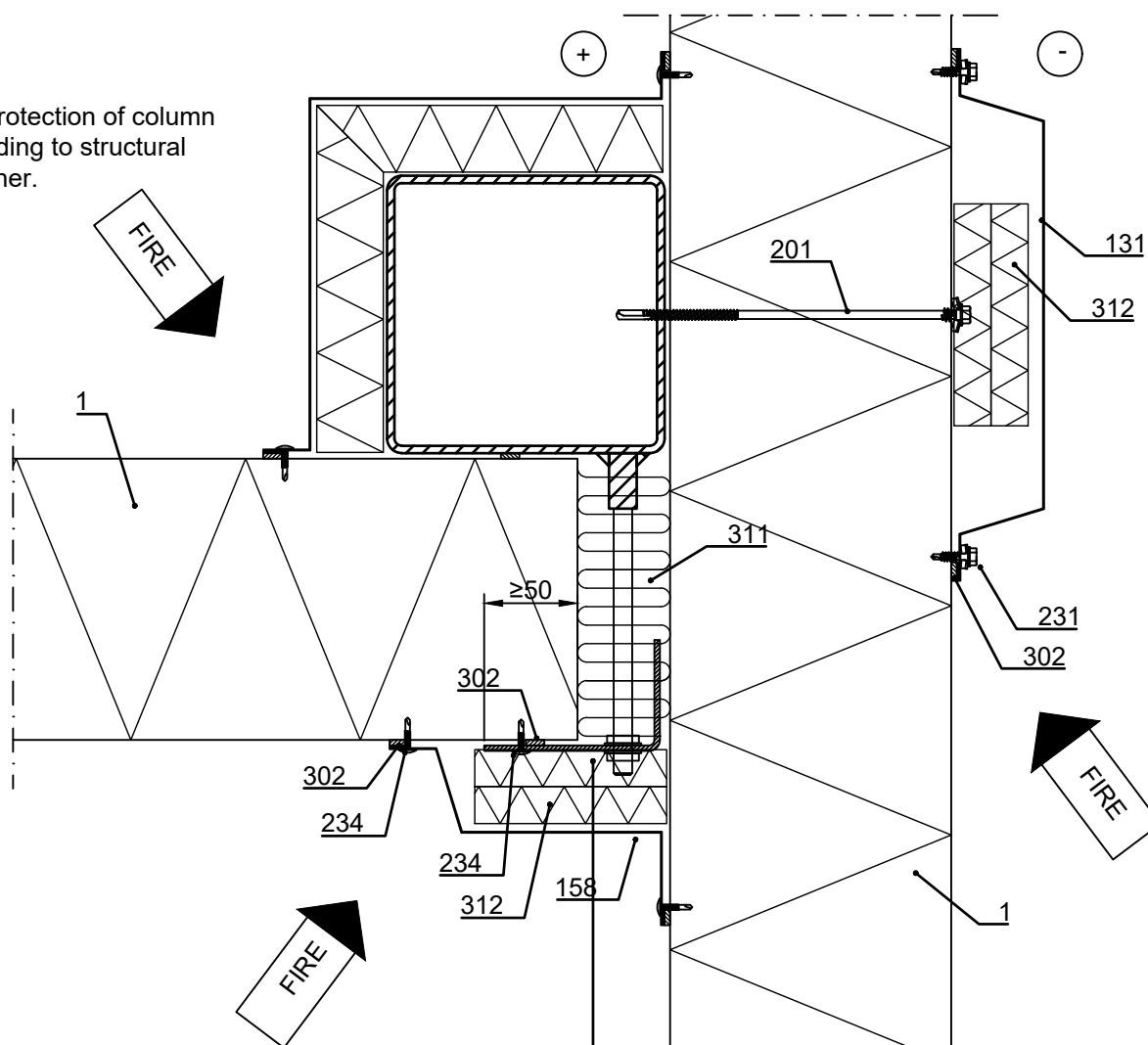
☒ Ruukki's delivery

Date 30.06.2023	Rev. date	Work nr.	Drawing nr. SPA52-FIRE-2E-EN
Drawn by Ruukki	Rev.		
Scale 1:4	Building	File nr.	

Fire protection wool FPS 17, thickness (mm)

Structure	EI60	EI90	EI120	EI180	EI240
Wall	-	20	20	30	50
Ceiling	20	20	30	n/a	n/a

Fire protection of column
according to structural
designer.



Support according to
structural designer.

- ☐ 001. Sandwich panel SPA
- ☐ 131. /EA1R18/ Cover flashing
- ☐ 158. /EA1R23/ Cover flashing
- ☐ 201. Self-drilling panel screw, washer with sealing
- ☐ 231. Fastener for flashing, washer with sealing
- ☐ 234. Flashing screw c/c 300 mm
- ☐ 302. /EA3SS410/ Sealing band
- ☐ 311. /EAWS30565/ Mineral wool
- ☐ 312. /EAFW206001200/ Fire protection wool

☒ Ruukki's delivery



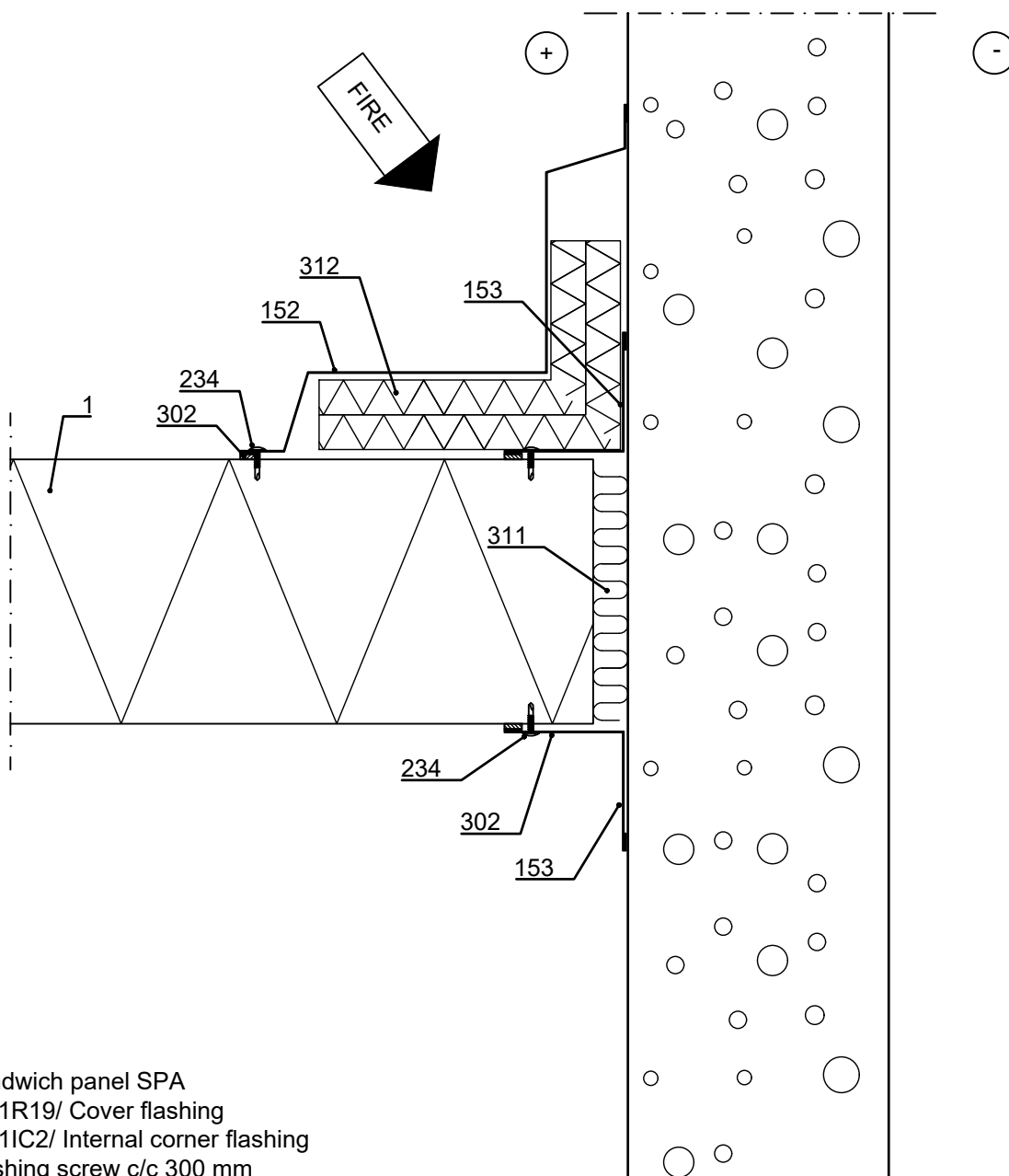
Contents of drawing

Sandwich panel SPA compartment details
ceiling,
longitudinal edge, not fixed

Date 30.06.2023	Rev. date	Work nr.	Drawing nr. SPA52-FIRE-3E-EN
Drawn by Ruukki	Rev.		
Scale 1:4	Building		File nr.

Fire protection wool FPS 17, thickness (mm)

Structure	EI60	EI90	EI120	EI180	EI240
Wall	-	20	20	30	50
Ceiling	20	20	30	n/a	n/a



- ☐ 001. Sandwich panel SPA
- ☐ 152. /EA1R19/ Cover flashing
- ☐ 153. /EA1IC2/ Internal corner flashing
- ☐ 234. Flashing screw c/c 300 mm
- ☐ 302. /EA3SS410/ Sealing band
- ☐ 311. /EAWS30565/ Mineral wool
- ☐ 312. /EAFW206001200/ Fire protection wool

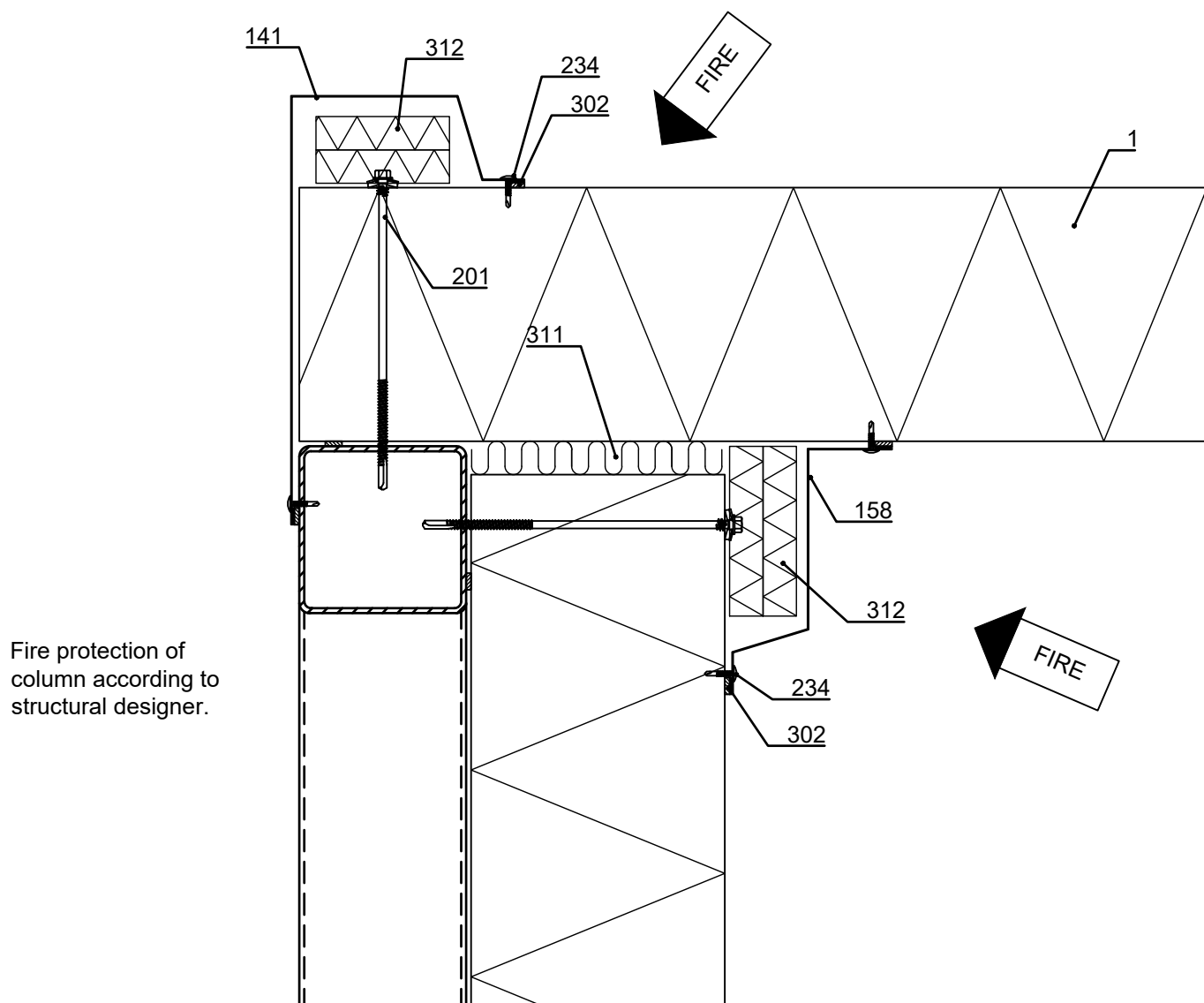
☒ Ruukki's delivery

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Date 30.06.2023	Rev. date	Work nr.	Drawing nr. SPA52-FIRE-4E-EN
Drawn by Ruukki	Rev.		
Scale 1:4	Building		File nr.

Fire protection wool FPS 17, thickness (mm)

Structure	EI60	EI90	EI120	EI180	EI240
Wall	-	20	20	30	50
Ceiling	20	20	30	n/a	n/a



Fire protection of
column according to
structural designer.

- ☐ 001. Sandwich panel SPA
- ☐ 141. External corner flashing, according to project
- ☐ 158. /EA1R23/ Cover flashing
- ☐ 201. Self-drilling panel screw, washer with sealing
- ☐ 234. Flashing screw c/c 300 mm
- ☐ 302. /EA3SS410/ Sealing band
- ☐ 311. /EAWS30565/ Mineral wool
- ☐ 312. /EAFW206001200/ Fire protection wool
- ☒ Ruukki's delivery