

Drawing nr.	Contents of drawing
SPA30-FIRE-1E-EN	Fastening to floor, vertical or horizontal installation
SPA30-FIRE-2E-EN	Fastening to floor, vertical or horizontal installation
SPA31-FIRE-1E-EN	Vertical joint, horizontal installation
SPA31-FIRE-2E-EN	Vertical joint, horizontal installation
SPA31-FIRE-3E-EN	Vertical joint, horizontal installation
SPA31-FIRE-4E-EN	Vertical joint, horizontal installation, ≤ EI60
SPA31-FIRE-5E-EN	Vertical joint, horizontal installation, ≤ EI120
SPA32-FIRE-1E-EN	L-corner without column, vertical installation, ≤ EI30
SPA32-FIRE-2E-EN	T-corner with column, horizontal (or vertical) installation
SPA32-FIRE-3E-EN	L-corner with column, horizontal or vertical installation
SPA32-FIRE-4E-EN	L-corner with column, vertical installation, ≤ EI60
SPA32-FIRE-5E-EN	L-corner without column, vertical installation, ≤ EI60
SPA32-FIRE-6E-EN	T-corner with column, vertical installation, ≤ EI60
SPA32-FIRE-7E-EN	T-corner without column, vertical installation, ≤ EI60
SPA32-FIRE-8E-EN	T-corner without column, vertical installation, ≤ EI30
SPA33-FIRE-1E-EN	Fastening to concrete roof, horizontal installation
SPA33-FIRE-2E-EN	Fastening to concrete roof, vertical installation
SPA35-FIRE-1E-EN	Fastening to load-bearing sheet roof, roof sheet perpendicular to compartment wall
SPA35-FIRE-2E-EN	Fastening to load-bearing sheet roof, roof sheet parallel to compartment wall
SPA35-FIRE-3E-EN	Fastening to load-bearing sheet roof, roof sheet parallel to compartment wall, alternative solution, EI120
SPA36-FIRE-1E-EN	Fastening to ext. wall, horizontal or vertical installation
SPA36-FIRE-2E-EN	Fastening to ext. wall, vertical installation, ≤ EI60
SPA36-FIRE-3E-EN	Fastening to ext. wall, vertical installation, ≤ EI30
SPA36-FIRE-4E-EN	Fastening to ext. wall, vertical installation, ≤ EI60

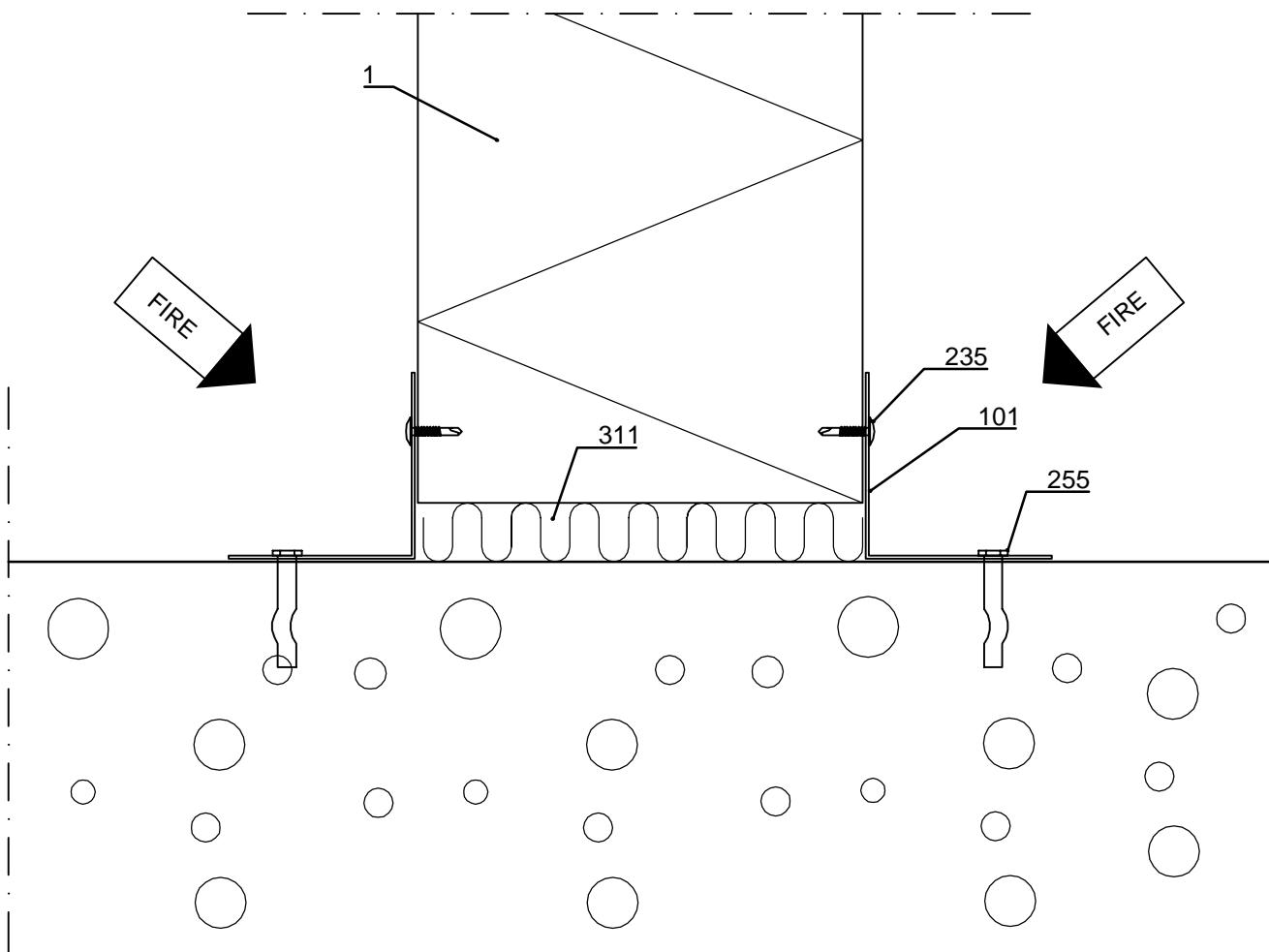
City sector	Block	Site/Reg. nr.	File nr.		
Building type	Drawing type			Nr.	
Building, Name and address	Contents of drawing			Scale	
RUUKKI Ruukki Construction Oy Panuntie 11 00620 HELSINKI FINLAND			Sandwich panel SPA compartment details, wall Principle details		
Date 20.05.2025	Designer	Work nr.	Work nr.	Drw. nr.	Rev.
Drawn by Ruukki	Checked				

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Contents of drawing

Sandwich panel SPA compartment details
Vertical or horizontal installation
Fastening to floor, vertical section

Date 20.05.2025	Rev. date	Work nr.	Drawing nr. SPA30-FIRE-1E-EN
Drawn by Ruukki	Rev.		
Scale 1:2.5	Building		File nr.



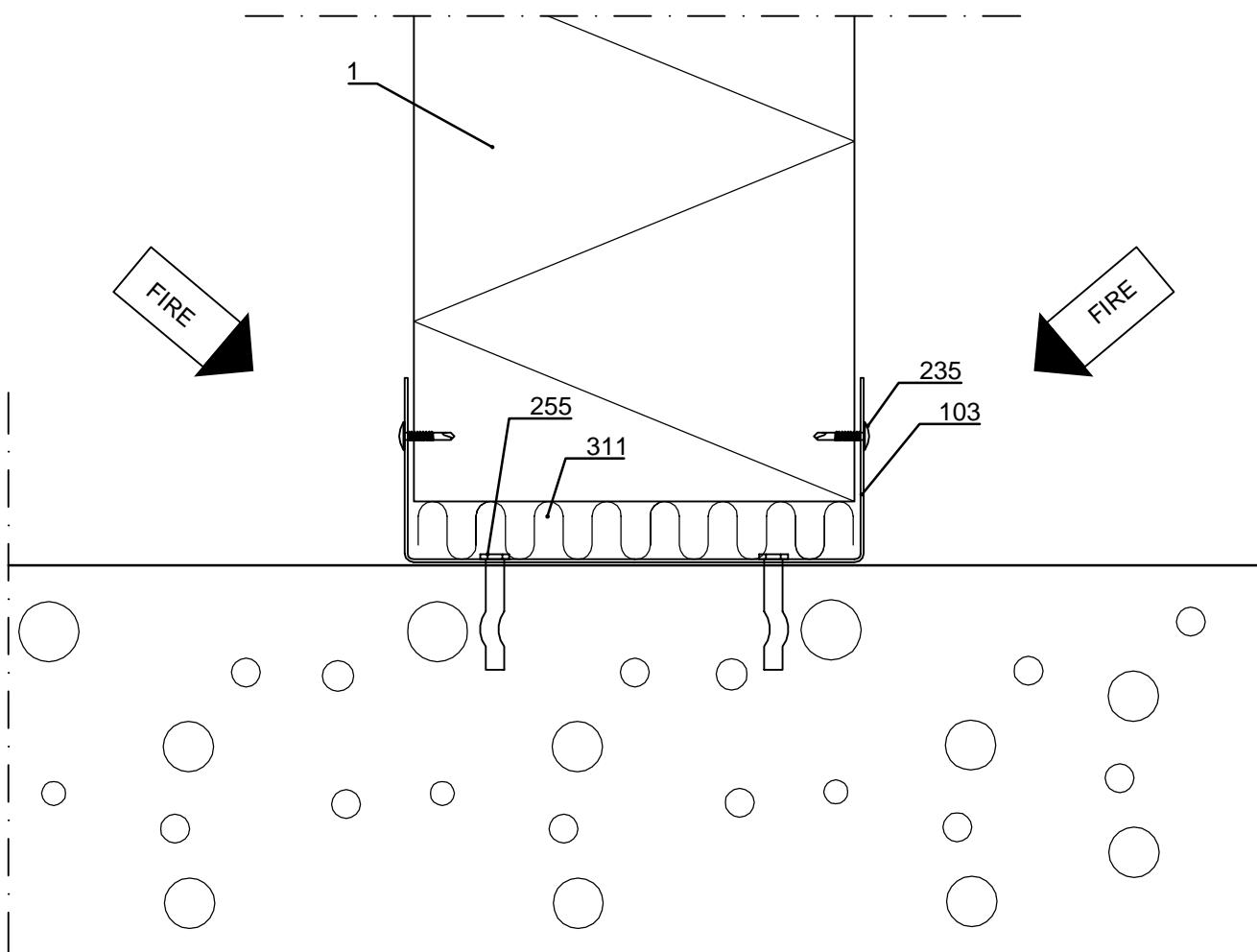
- 001. Sandwich panel SPA, vertical or horizontal installation
- 101. /EA1FC1/ Fastening corner flashing
- 235. Screw c/c 300 mm
- 255. Spike-fastener
- 311. /EAWS5657850/ Mineral wool
- Ruukki's delivery

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Contents of drawing

Sandwich panel SPA compartment details
Vertical or horizontal installation, fastening to
floor, vertical section, alternative solution

Date 20.05.2025	Rev. date	Work nr.	Drawing nr. SPA30-FIRE-2E-EN
Drawn by Ruukki	Rev.		
Scale 1:2.5	Building		File nr.



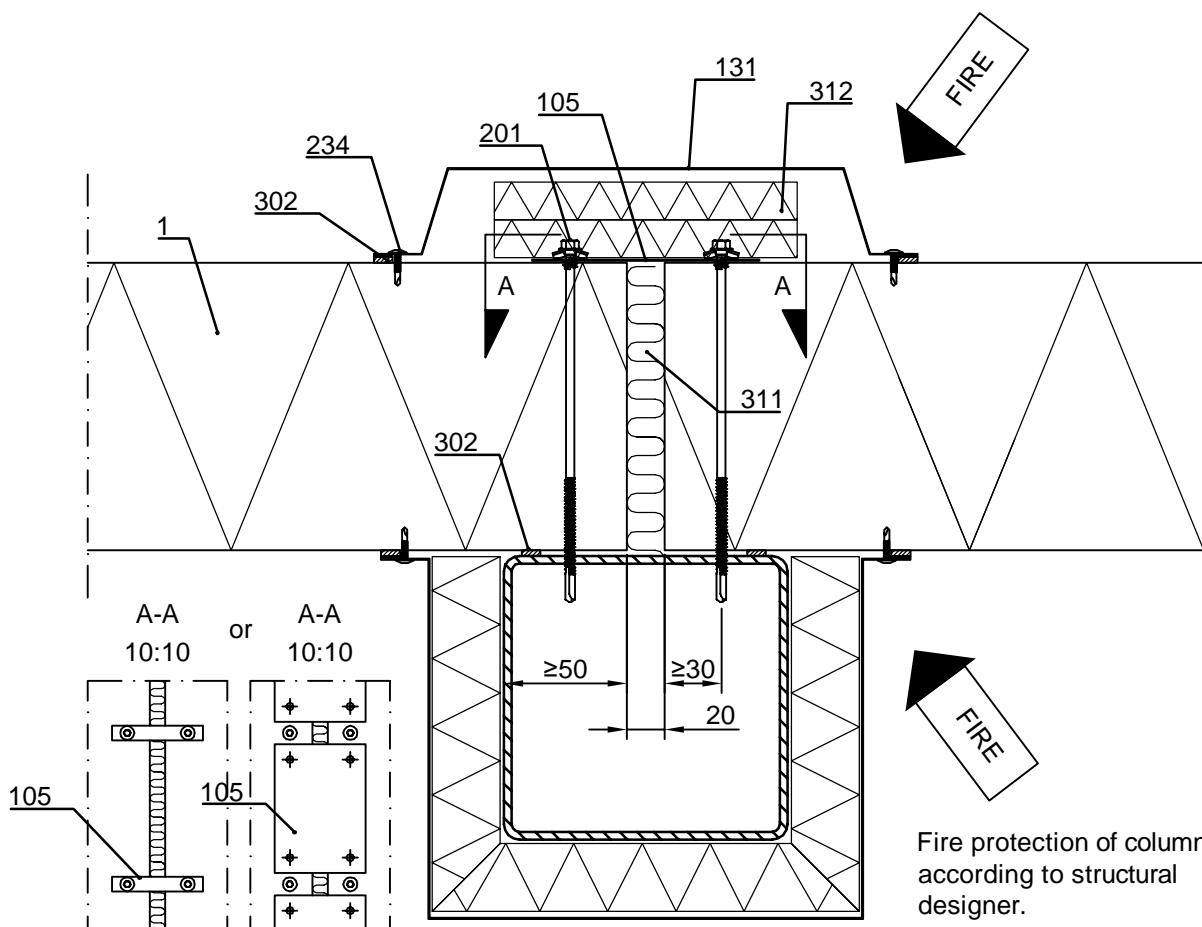
- 001. Sandwich panel SPA, vertical or horizontal installation
- 103. Termo Purlin, U-profile
- 235. Screw c/c 300 mm
- 255. Spike-fastener
- 311. /EAWS5657850/ Mineral wool
- Ruukki's delivery

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Sandwich panel SPA compartment details
Horizontal installation,
vertical joint, horizontal section

Date 20.05.2025	Rev. date	Work nr.	Drawing nr. SPA31-FIRE-1E-EN
Drawn by Ruukki	Rev.		
Scale 1:4	Building		File nr.

Fire protection wool, mechanical fastening, thickness (mm)					
Structure	EI60	EI90	EI120	EI180	EI240
Wall	0	20	20	30	50



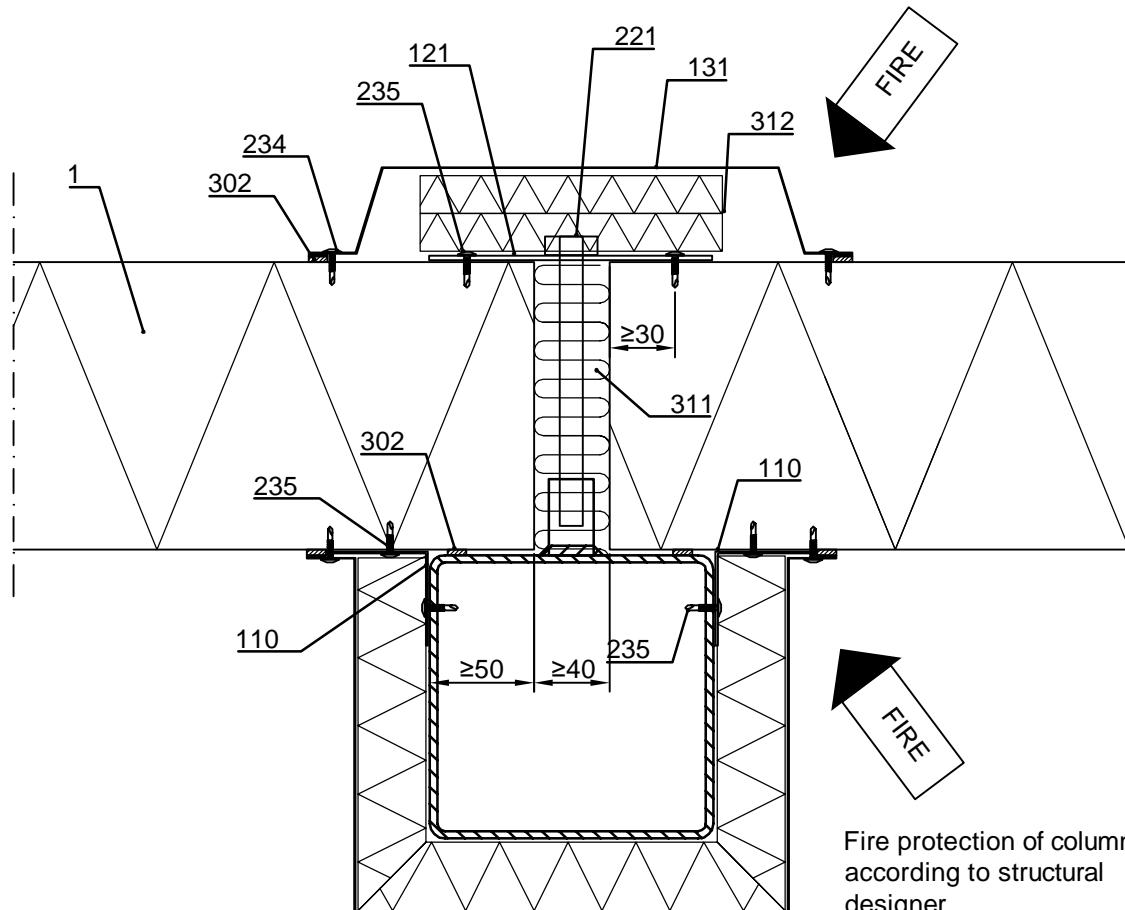
- 001. Sandwich panel SPA, horizontal installation
- 105. Steel bandings or steel sheets, $t \geq 0,7$ mm
- 131. /EA1R18/ or other Cover flashing
- 201. Self-drilling panel screw, washer with sealing
- 234. Flashing screw c/c 300 mm
- 302. /EA3SS410/ Sealing strip
- 311. /EAWS5657850/ Mineral wool
- 312. /EAFW206001000/ Fire protection wool, mechanical fastening to surface

- Ruukki's delivery

Sandwich panel SPA compartment details
 Horizontal installation,
 vertical joint, horizontal section

Date 20.05.2025	Rev. date	Work nr.	Drawing nr. SPA31-FIRE-2E-EN
Drawn by Ruukki	Rev.		
Scale 1:4	Building		File nr.

Fire protection wool, mechanical fastening, thickness (mm)					
Structure	EI60	EI90	EI120	EI180	EI240
Wall	0	20	20	30	50

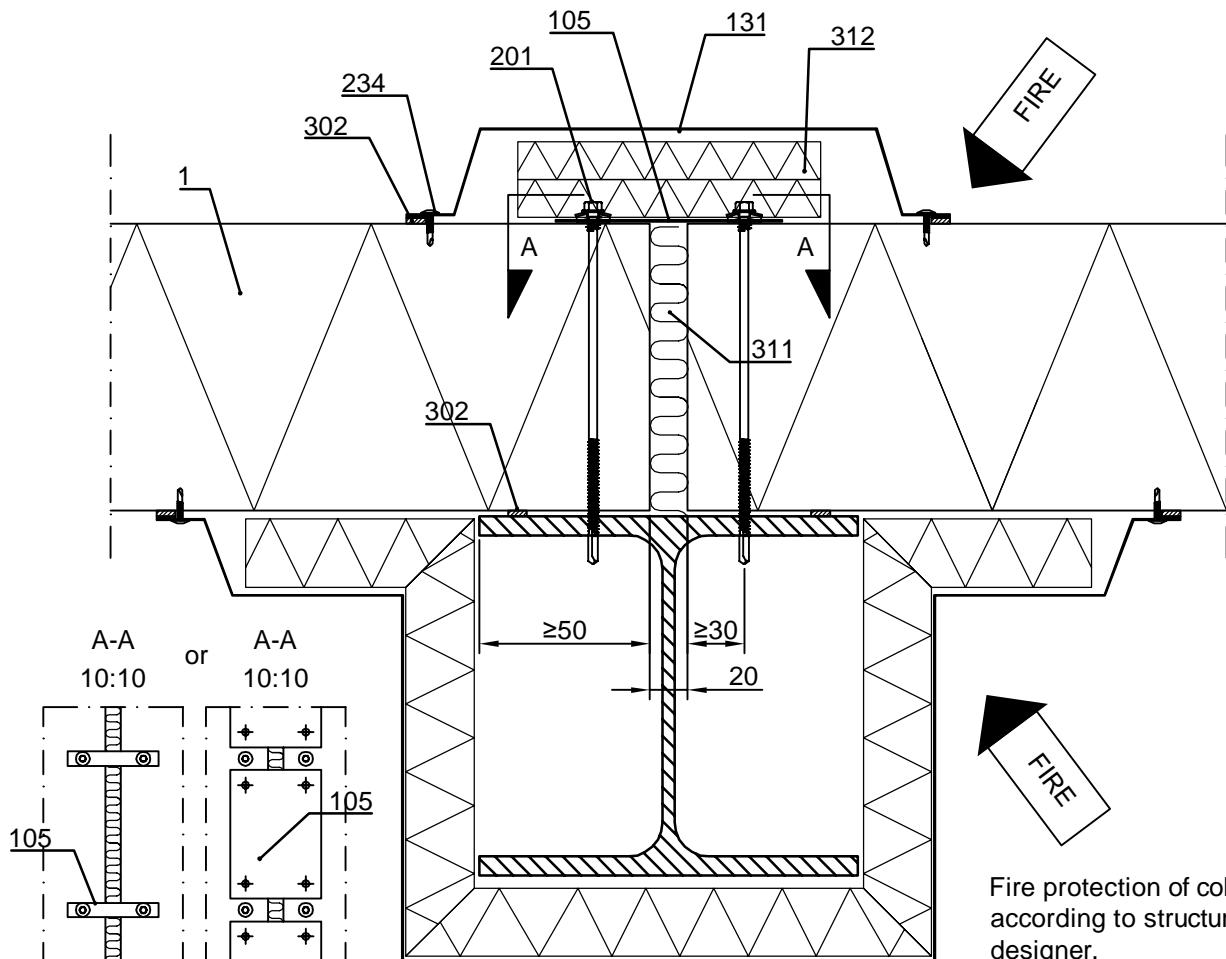


- 001. Sandwich panel SPA, horizontal installation
- 110. L-purlin, 50x50 or 60x60, $t \geq 1,2$ mm
- 121. /EA6FP / Fastening plate
- 131. /EA1R18/ or other Cover flashing
- 221. Internal thread socket + hex bolt
- 234. Flashing screw c/c 300 mm
- Ruukki's delivery
- 235. Screw (according to structural designer)
- 302. /EA3SS410/ Sealing strip
- 311. /EAWS5657850/ Mineral wool
- 312. /EAFW206001000/ Fire protection wool, mechanical fastening to surface

Sandwich panel SPA compartment details
Horizontal installation,
vertical joint, horizontal section

Date 20.05.2025	Rev. date	Work nr.	Drawing nr. SPA31-FIRE-3E-EN
Drawn by Ruukki	Rev.		
Scale 1:4	Building		File nr.

Fire protection wool, mechanical fastening, thickness (mm)					
Structure	EI60	EI90	EI120	EI180	EI240
Wall	0	20	20	30	50



Fire protection of column
according to structural
designer.

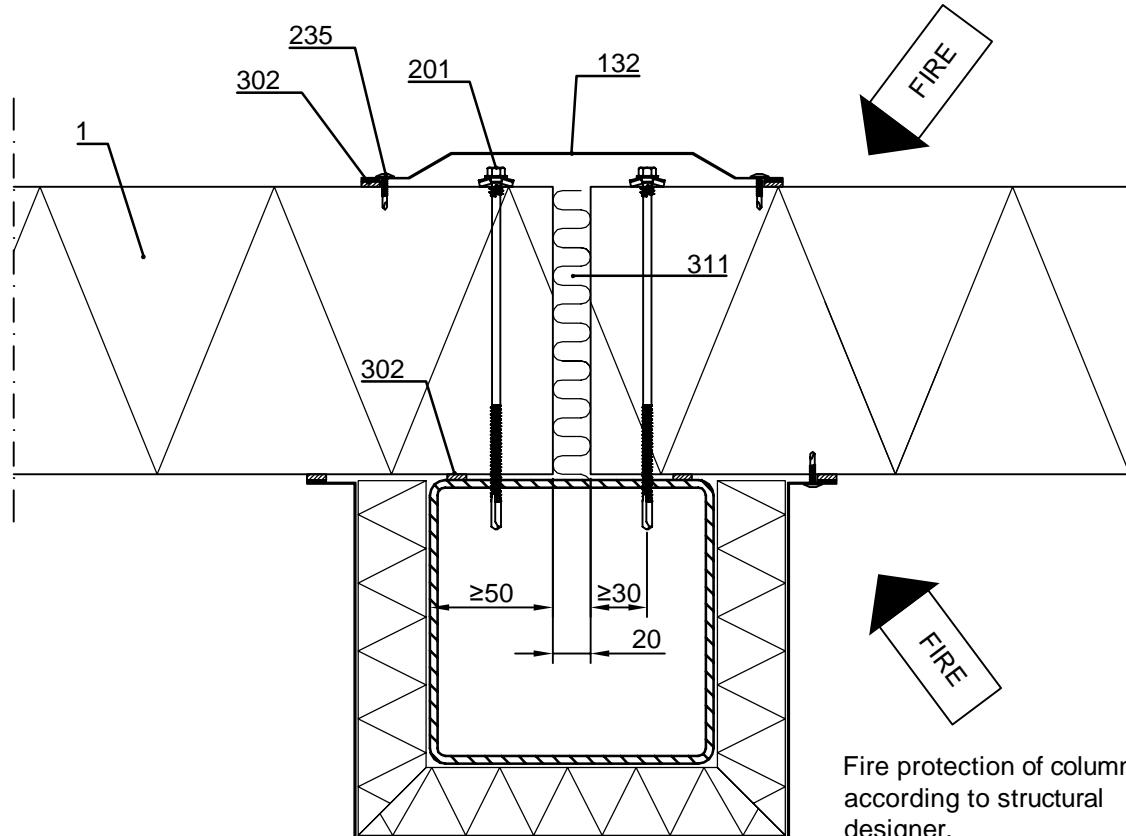
- 001. Sandwich panel SPA, horizontal installation
- 105. Steel bandings or steel sheets, $t \geq 0,7$ mm
- 131. /EA1R18/ or other Cover flashing
- 201. Self-drilling panel screw, washer with sealing
- 234. Flashing screw c/c 300 mm
- 302. /EA3SS410/ Sealing strip
- 311. /EAWS5657850/ Mineral wool
- 312. /EAFW206001000/ Fire protection wool,
mechanical fastening to surface

- Ruukki's delivery

Sandwich panel SPA compartment details
 Horizontal installation,
 vertical joint \leq EI60, horizontal section

Date 20.05.2025	Rev. date	Work nr.	Drawing nr. SPA31-FIRE-4E-EN
Drawn by Ruukki	Rev.		
Scale 1:4	Building		File nr.

Note! This detail is only applicable when requirements for compartment walls are EI60 or less. For EI90
 - EI120 walls see SPA31-FIRE-5E-EN. Otherwise, see universally applicable solutions
 SPA31-FIRE-1E-EN, SPA31-FIRE-2E-EN or SPA31-FIRE-3E-EN.



Fire protection of column
according to structural
designer.

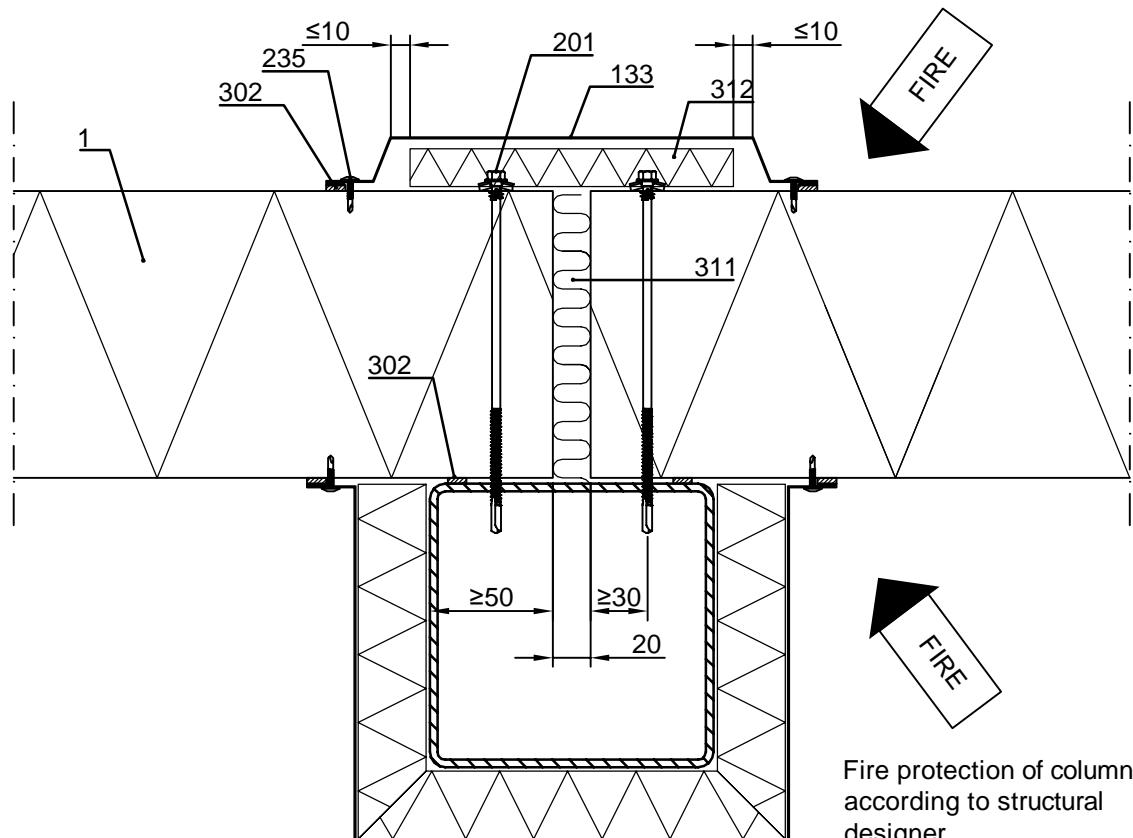
- 001. Sandwich panel SPA, horizontal installation
- 132. /EA1JF60-1/ or /EA1JF60-2/ Fire flashing
- 201. Self-drilling panel screw, washer with sealing
- 235. Flashing screw c/c 300 mm
- 302. /EA3SS410/ Sealing strip
- 311. /EAWS5657850/ Mineral wool
- Ruukki's delivery

Sandwich panel SPA compartment details
 Horizontal installation,
 vertical section \leq EI120, horizontal section

Date 20.05.2025	Rev. date	Work nr.	Drawing nr. SPA31-FIRE-5E-EN
Drawn by Ruukki	Rev.		
Scale 1:4	Building		File nr.

Note! This detail is only applicable when requirements for compartment walls are EI120 or less. For \leq EI60 walls see SPA31-FIRE-4E-EN. Otherwise, see universally applicable solutions SPA31-FIRE-1E-EN, SPA31-FIRE-2E-EN or SPA31-FIRE-3E-EN.

Fire protection wool, mechanical fastening, thickness (mm)						
Structure	EI30	EI60	EI90	EI120	EI180	EI240
Wall	20	20	20	20	N/A	N/A



- 001. Sandwich panel SPA, horizontal installation
- 133. /EA1JV1/ or /EA1JV2/ Vertical joint flashing
- 201. Self-drilling panel screw, washer with sealing
- 235. Flashing screw c/c 300 mm
- 302. /EA3SS410/ Sealing strip
- 311. /EAWS5657850/ Mineral wool
- 312. /EAFW206001000/ Fire protection wool, mechanical fastening to surface

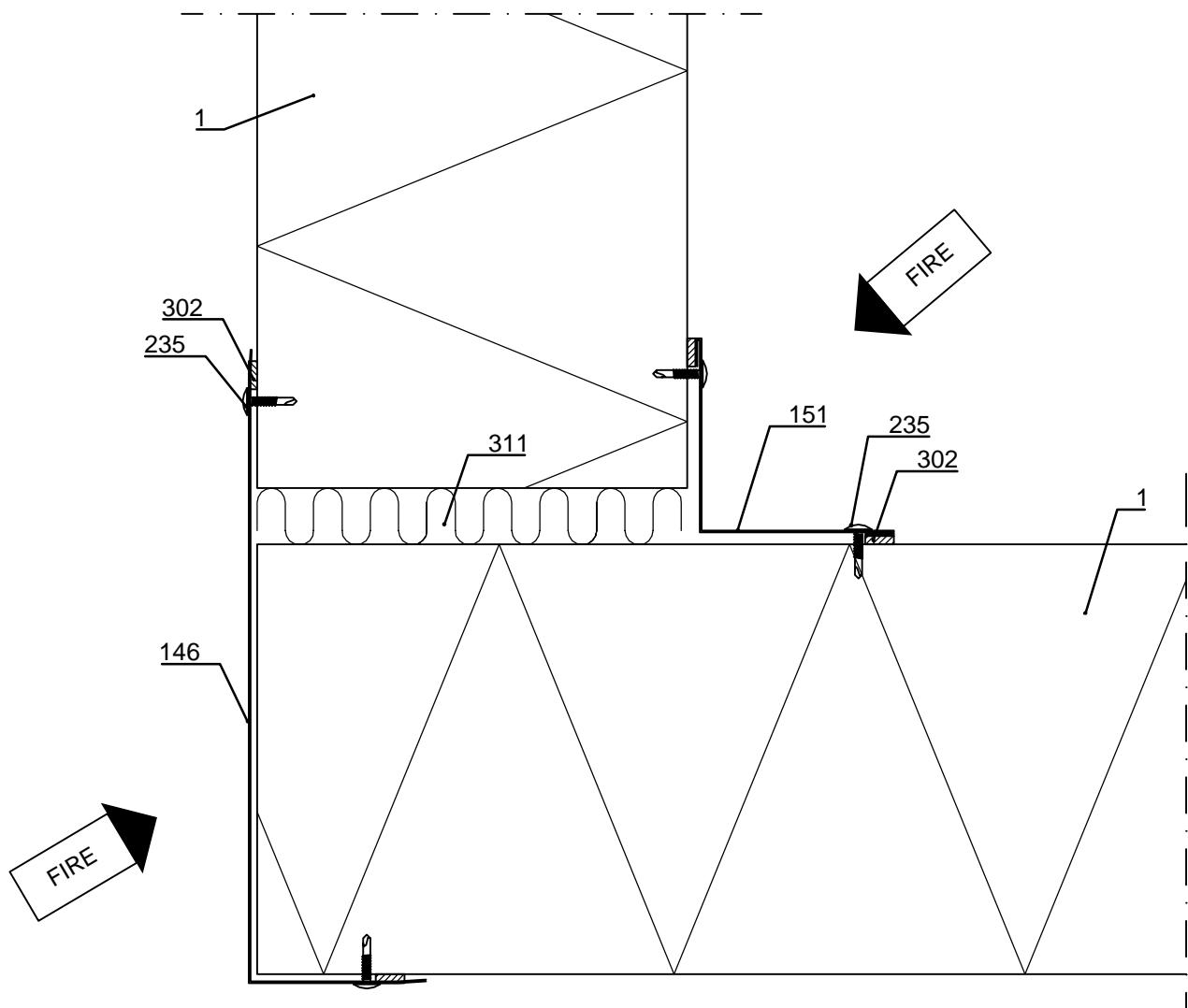
- Ruukki's delivery

20 mm fire protection wool is always mandatory with this joint type to better facilitate the load transfer between outer panel sheets during fire.

Sandwich panel SPA compartment details
Vertical installation, L-corner
without column, \leq EI30, horizontal section

Date 20.05.2025	Rev. date	Work nr.	Drawing nr. SPA32-FIRE-1E-EN
Drawn by Ruukki	Rev.		
Scale 1:2.5	Building		File nr.

Note! This detail is only applicable when requirements for compartment walls are EI30 or less, and when vertical panels don't require additional support structures (see roof fastening detail SPA33-FIRE-2E-EN).



- 001. Sandwich panel SPA, vertical installation
- 146. /EA1EC9-__/ External corner flashing
- 151. /EA1IC2/ Internal corner flashing
- 235. Screw c/c 300 mm
- 302. /EA3SS410/ Sealing strip
- 311. /EAWS5657850/ Mineral wool

- Ruukki's delivery

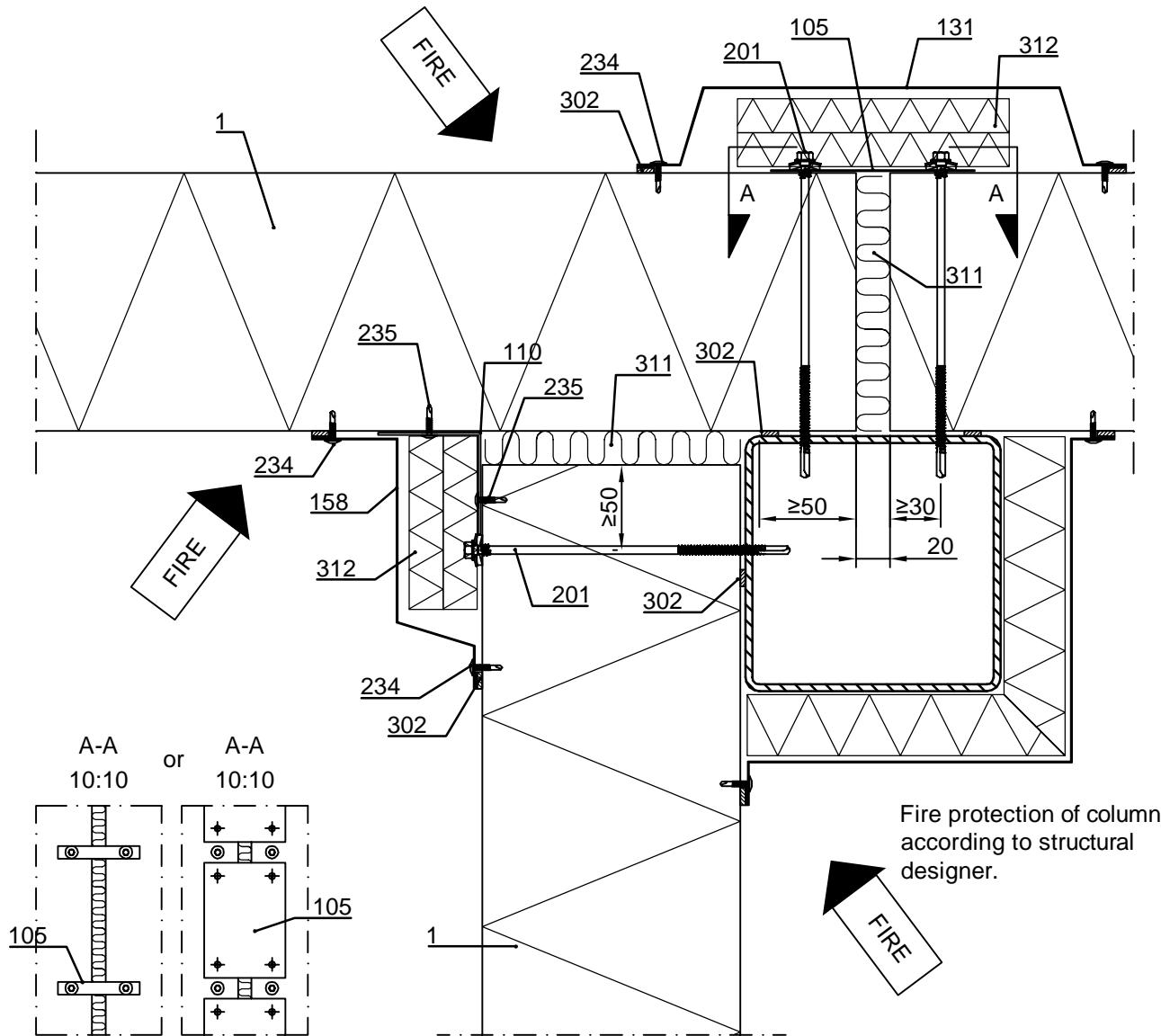


Contents of drawing

Sandwich panel SPA compartment details
Horizontal (or vertical) installation,
T-corner with column, horizontal section

Date 20.05.2025	Rev. date	Work nr.	Drawing nr. SPA32-FIRE-2E-EN
Drawn by Ruukki	Rev.		
Scale 1:4	Building		File nr.

Fire protection wool, mechanical fastening, thickness (mm)					
Structure	EI60	EI90	EI120	EI180	EI240
Wall	0	20	20	30	50



- 001. Sandwich panel SPA, horizontal installation
- 105. Steel bandings or steel sheets, $t \geq 0,7$ mm, required in horizontal installation only
- 110. L-purlin, 50x50 or 60x60, $t \geq 1,2$ mm, required in horizontal installation only
- 131. /EA1R18/ or other Cover flashing
- 158. /EA1R23/ Cover flashing

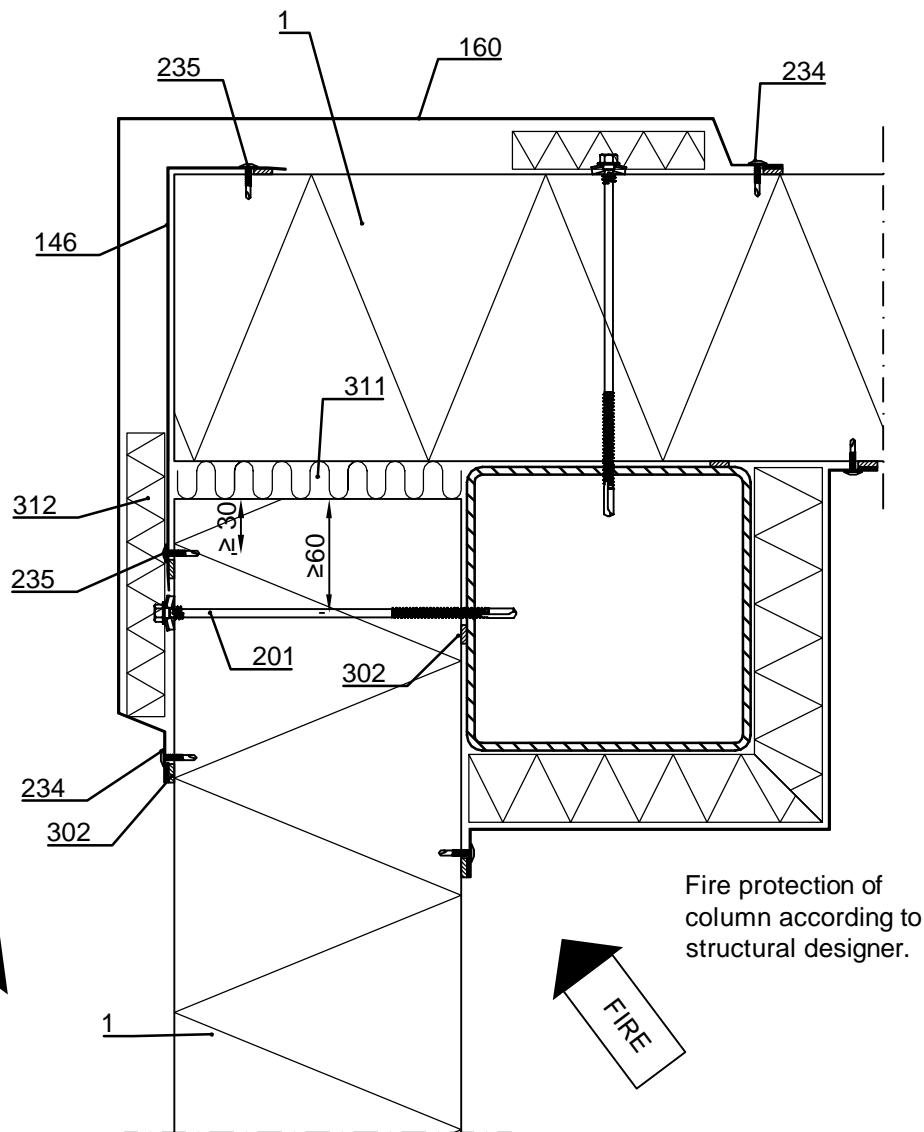
- 201. Self-drilling panel screw, washer with sealing
- 234. Flashing screw c/c 300 mm
- 235. Screw c/c 300 mm
- 302. /EA3SS410/ Sealing strip
- 311. /EAWS5657850/ Mineral wool
- 312. /EAFW206001000/ Fire protection wool,
mechanical fastening to surface

☒ Ruukki's delivery

Sandwich panel SPA compartment details
Horizontal (or vertical) installation
L-corner with column, horizontal section

Date 20.05.2025	Rev. date	Work nr.	Drawing nr. SPA32-FIRE-3E-EN
Drawn by Ruukki	Rev.		
Scale 1:4	Building		File nr.

Fire protection wool, mechanical fastening, thickness (mm)					
Structure	EI60	EI90	EI120	EI180	EI240
Wall	0	20	20	30	50

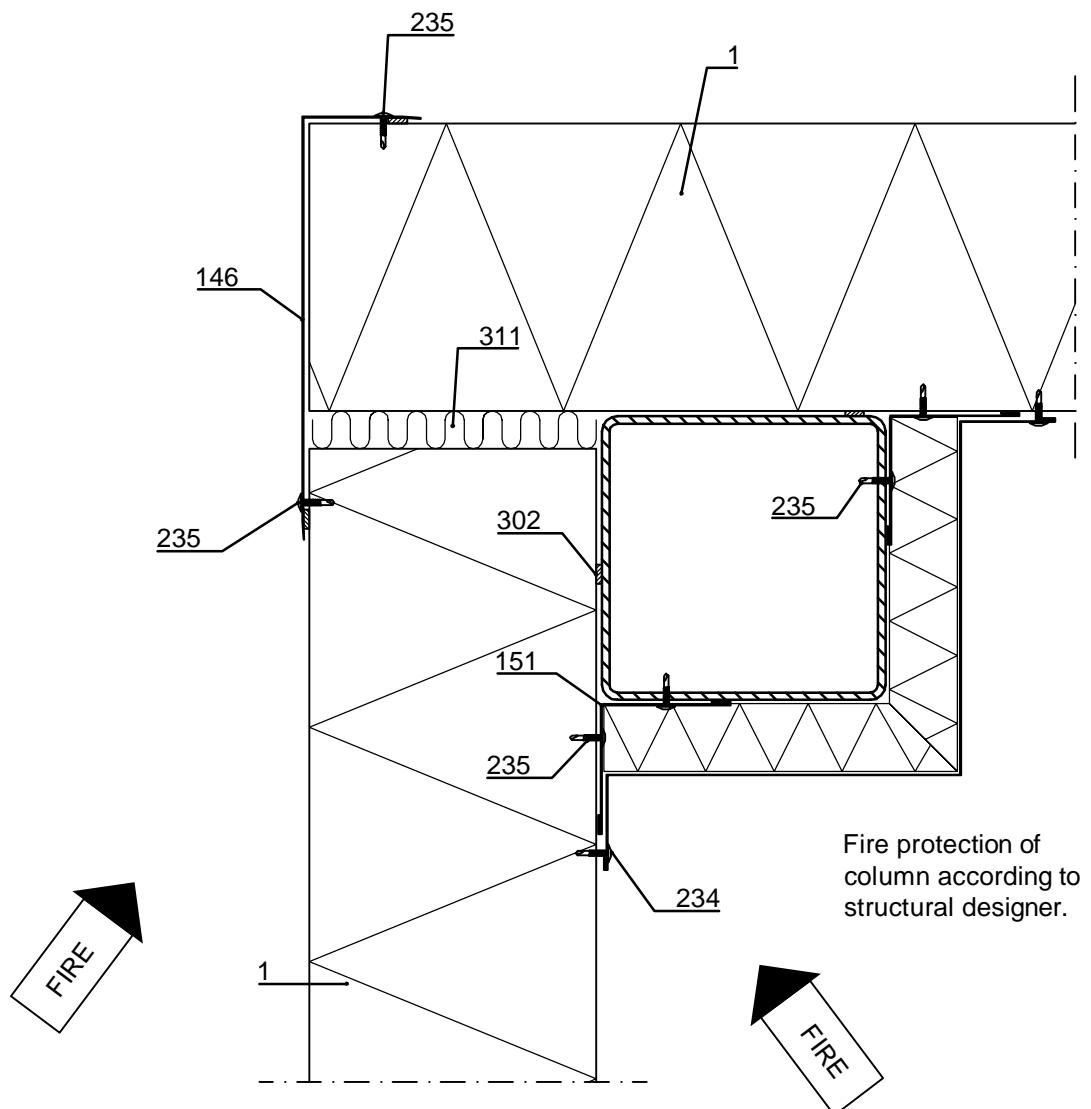


<input type="checkbox"/> 001. Sandwich panel SPA, horizontal or vertical inst. <input type="checkbox"/> 146. /EA1EC9-__/ External corner flashing <input type="checkbox"/> 160. /EA1EC4/ External corner flashing (if panel thickness > 200 mm, or fire protection wool > 20 mm, flashing must be designed according to dimensions) <input type="checkbox"/> 201. Self-drilling panel screw, washer with sealing <input checked="" type="checkbox"/> Ruukki's delivery	<input type="checkbox"/> 234. Flashing screw c/c 300 mm <input type="checkbox"/> 235. Screw c/c 300 mm <input type="checkbox"/> 302. /EA3SS410/ Sealing strip <input type="checkbox"/> 311. /EAWS5657850/ Mineral wool <input type="checkbox"/> 312. /EAFW206001000/ Fire protection wool, mechanical fastening to surface
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**Sandwich panel SPA compartment details
Vertical installation,
L-corner with column, ≤ EI60, horizontal section**

Date 20.05.2025	Rev. date	Work nr.	Drawing nr. SPA32-FIRE-4E-EN
Drawn by Ruukki	Rev.		
Scale 1:4	Building		File nr.

Note! This detail is only applicable when requirements for compartment walls are EI60 or less.
Otherwise, see SPA32-FIRE-3E-EN.



- 001. Sandwich panel SPA, vertical installation
- 146. /EA1EC9-___/ External corner flashing
- 151. /EA1IC2/ Internal corner flashing
- 302. /EA3SS410/ Sealing strip

- Ruukki's delivery

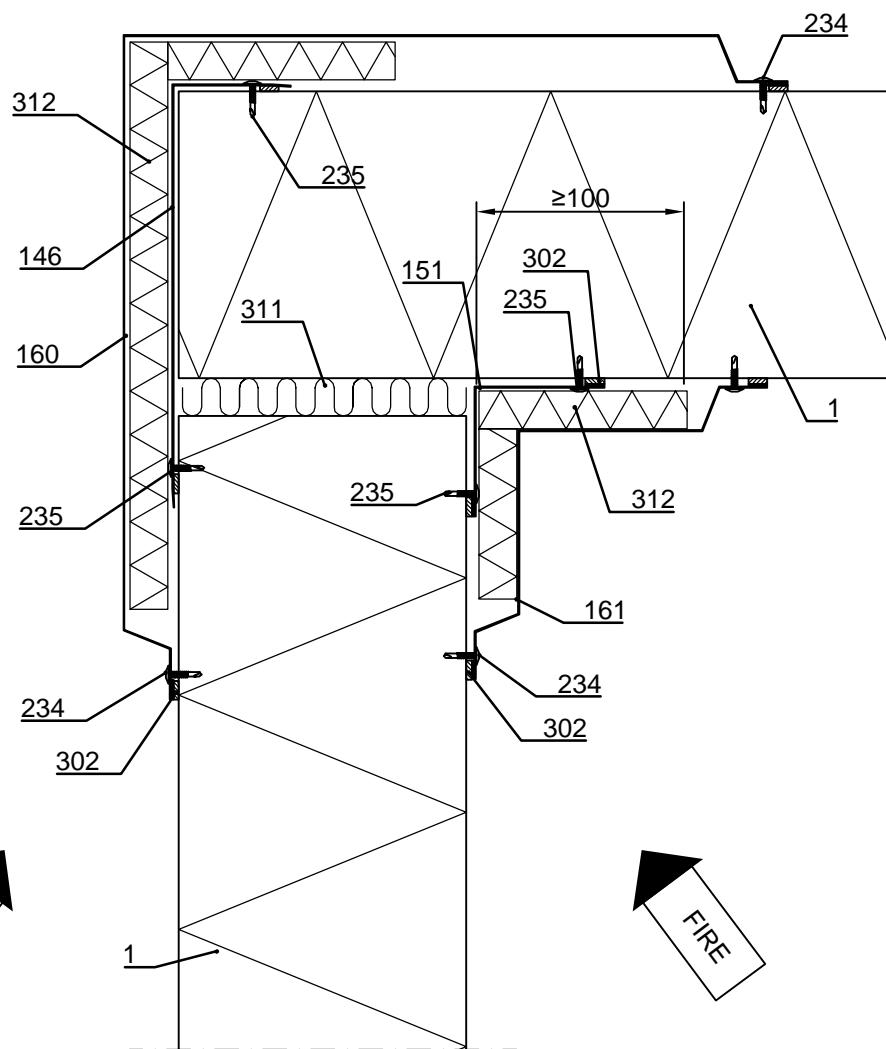
- 234. Flashing screw c/c 300 mm
- 235. Screw c/c 300 mm
- 311. /EAWS5657850/ Mineral wool

Sandwich panel SPA compartment details
 Vertical installation, L-corner
 without column, ≤ EI60, horizontal section

Date 20.05.2025	Rev. date	Work nr.	Drawing nr. SPA32-FIRE-5E-EN
Drawn by Ruukki	Rev.		
Scale 1:4	Building		File nr.

Note! This detail is only applicable when requirements for compartment walls are EI60 or less, and when vertical panels don't require additional support structures (see roof fastening detail SPA33-FIRE-2E-EN).

Fire protection wool, mechanical fastening, thickness (mm)					
Structure	EI60	EI90	EI120	EI180	EI240
Wall	20	N/A	N/A	N/A	N/A

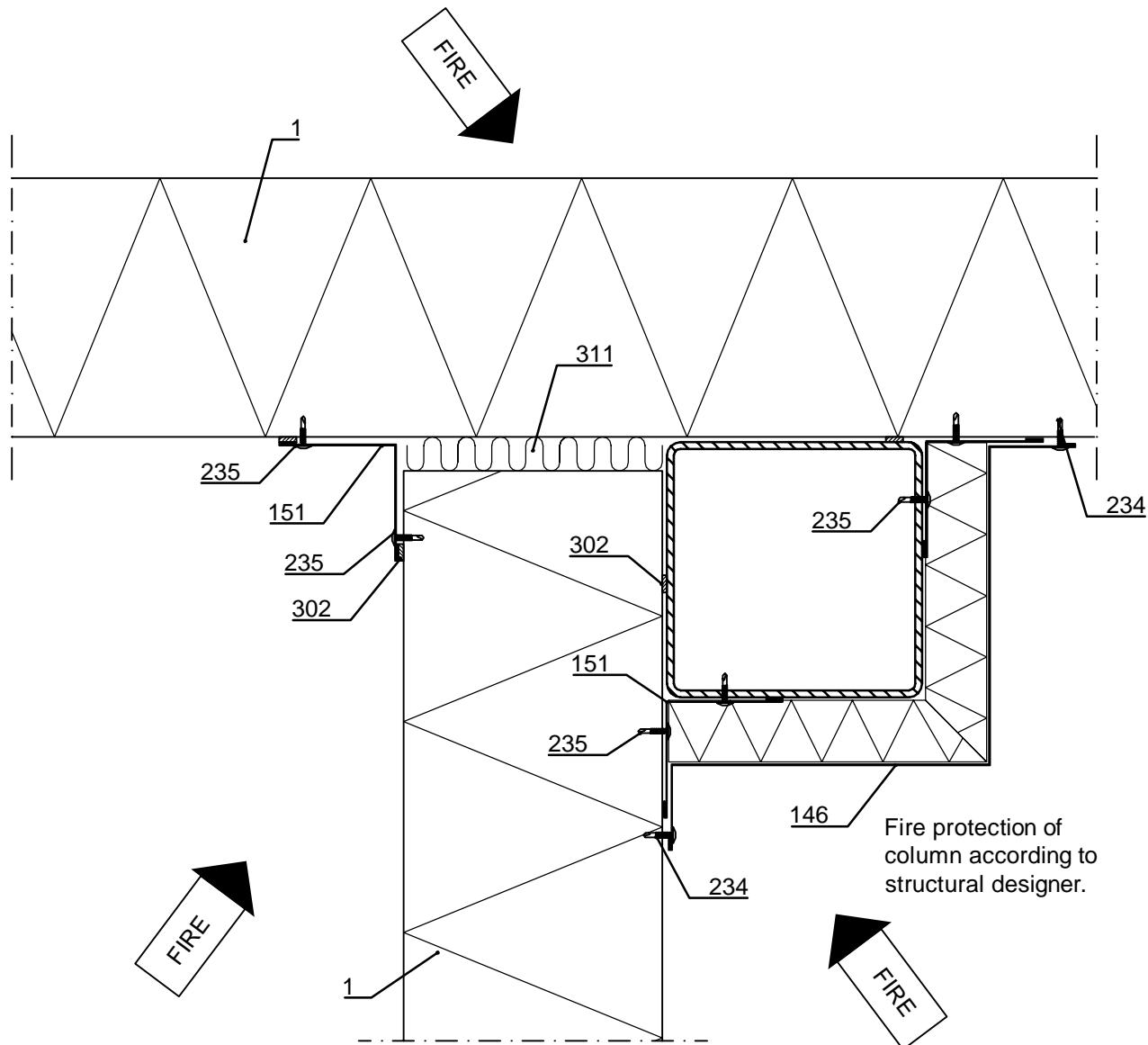


- 001. Sandwich panel SPA, horizontal or vertical inst.
- 146. /EA1EC9-__ / External corner flashing
- 151. /EA1IC2/ Internal corner flashing
- 160. /EA1EC4/ External corner flashing
- 161. /EA1IC3/ Internal corner flashing
- 234. Flashing screw c/c 300 mm
- Ruukki's delivery
- 235. Screw c/c 300 mm
- 302. /EA3SS410/ Sealing strip
- 311. /EAWS5657850/ Mineral wool
- 312. /EAFW206001000/ Fire protection wool, mechanical fastening to surface

Sandwich panel SPA compartment details
Vertical installation,
T-corner with column, \leq EI60, horizontal section

Date 20.05.2025	Rev. date	Work nr.	Drawing nr. SPA32-FIRE-6E-EN
Drawn by Ruukki	Rev.		
Scale 1:4	Building		File nr.

Note! This detail is only applicable when requirements for compartment walls are EI60 or less.



- 001. Sandwich panel SPA, vertical installation
- 146. /EA1EC9-__/ External corner flashing
- 151. /EA1IC2/ Internal corner flashing
- 302. /EA3SS410/ Sealing strip

- Ruukki's delivery

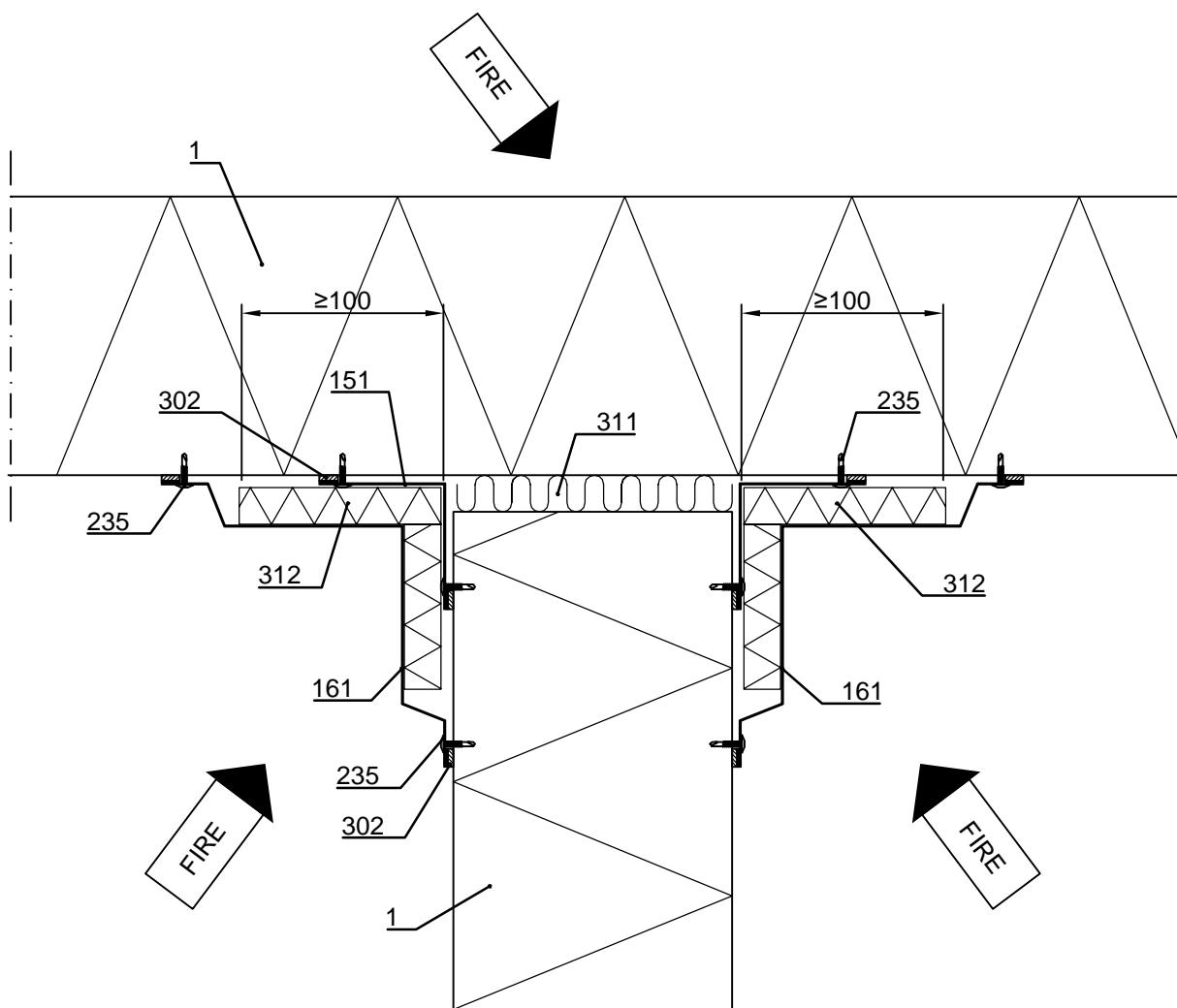
- 234. Flashing screw c/c 300 mm
- 235. Screw c/c 300 mm
- 311. /EAWS5657850/ Mineral wool

Sandwich panel SPA compartment details
 Vertical installation, T-corner
 without column, \leq EI60, horizontal section

Date 20.05.2025	Rev. date	Work nr.	Drawing nr. SPA32-FIRE-7E-EN
Drawn by Ruukki	Rev.		
Scale 1:4	Building		File nr.

Note! This detail is only applicable when requirements for compartment walls are EI60 or less, and when vertical panels don't require additional support structures (see roof fastening detail SPA33-FIRE-2E-EN).

Fire protection wool, mechanical fastening, thickness (mm)					
Structure	EI60	EI90	EI120	EI180	EI240
Wall	20	N/A	N/A	N/A	N/A

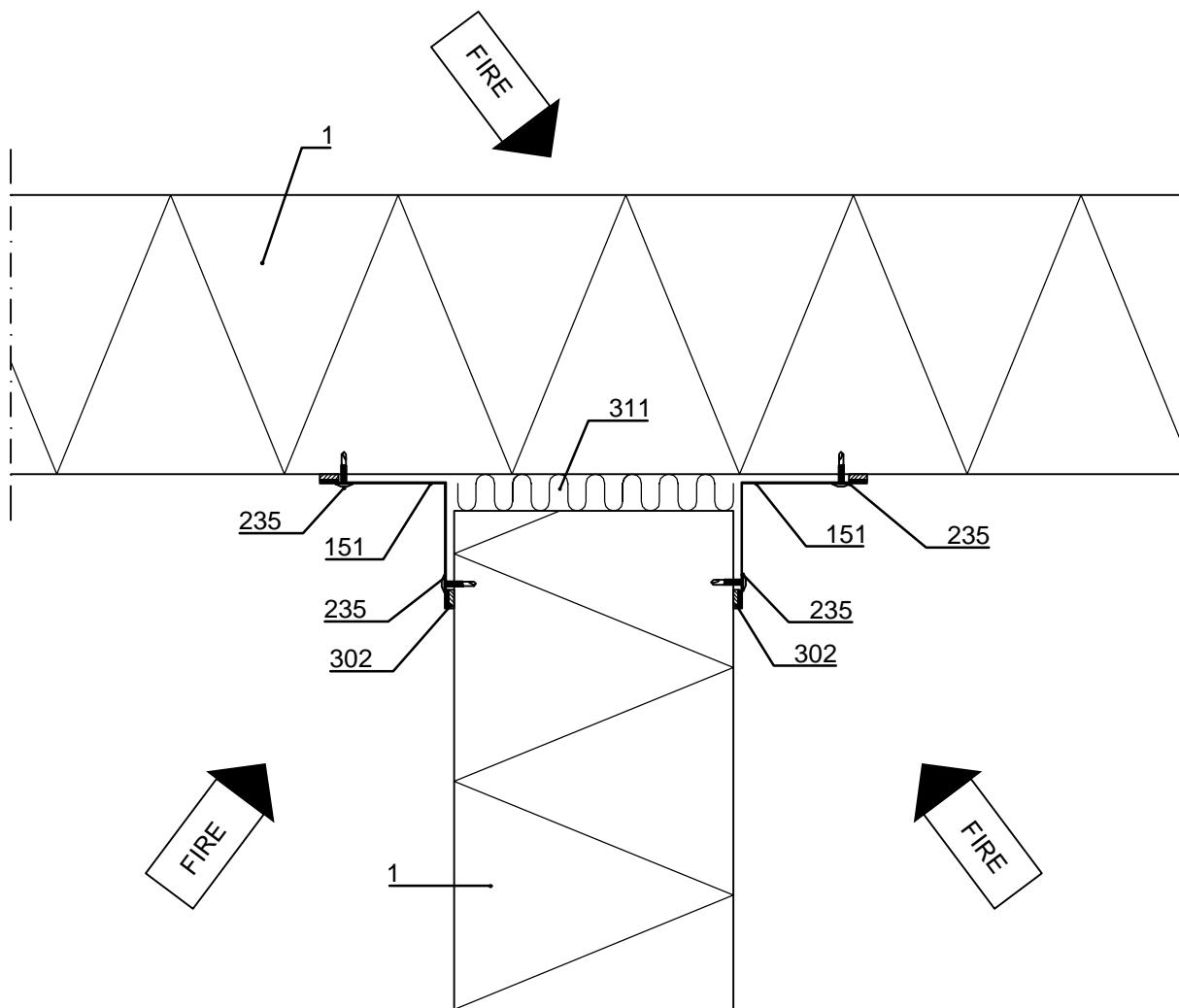


<input type="checkbox"/> 001. Sandwich panel SPA, vertical installation <input type="checkbox"/> 151. /EA1IC2/ Internal corner flashing <input type="checkbox"/> 161. /EA1IC3/ Internal corner flashing <input type="checkbox"/> 234. Flashing screw c/c 300 mm <input checked="" type="checkbox"/> Ruukki's delivery	<input type="checkbox"/> 235. Screw c/c 300 mm <input type="checkbox"/> 302. /EA3SS410/ Sealing strip <input type="checkbox"/> 311. /EAWS5657850/ Mineral wool
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Sandwich panel SPA compartment details
Vertical installation, T-corner
without column, \leq EI30, horizontal section

Date 20.05.2025	Rev. date	Work nr.	Drawing nr. SPA32-FIRE-8E-EN
Drawn by Ruukki	Rev.		
Scale 1:4	Building		File nr.

Note! This detail is only applicable when requirements for compartment walls are EI30 or less, and when vertical panels don't require additional support structures (see roof fastening detail SPA33-FIRE-2E-EN).



- 001. Sandwich panel SPA, vertical installation
- 151. /EA1IC2/ Internal corner flashing
- 234. Screw c/c 300 mm
- 302. /EA3SS410/ Sealing strip
- 311. /EAWS5657850/ Mineral wool
- Ruukki's delivery

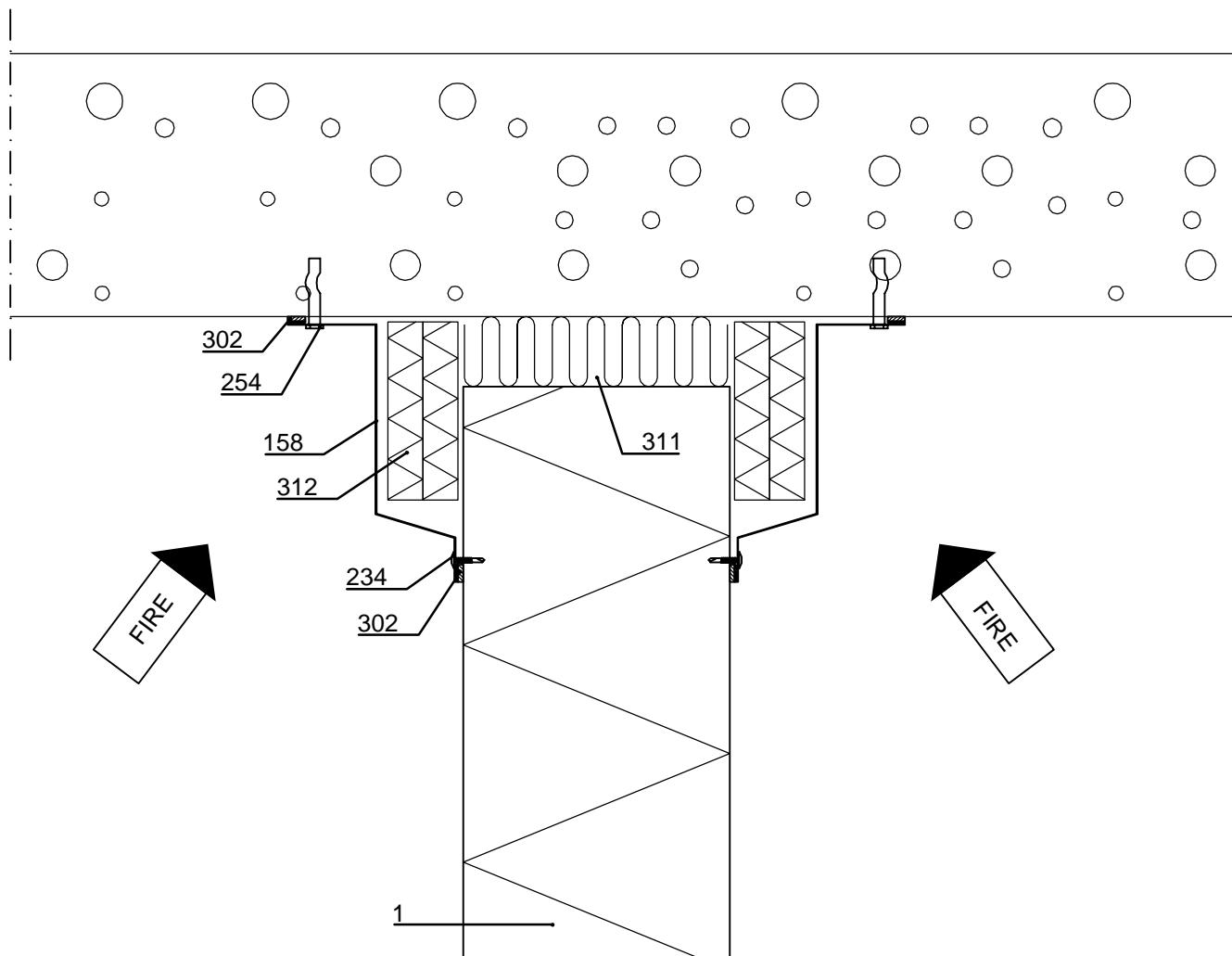
RUUKKI

Contents of drawing

Sandwich panel SPA compartment details
Horizontal installation,
fastening to concrete roof, vertical section

Date 20.05.2025	Rev. date	Work nr.	Drawing nr. SPA33-FIRE-1E-EN
Drawn by Ruukki	Rev.		
Scale 1:4	Building		File nr.

Fire protection wool, mechanical fastening, thickness (mm)					
Structure	EI60	EI90	EI120	EI180	EI240
Wall	0	20	20	30	50



- 001. Sandwich panel SPA, horizontal installation
- 158. /EA1R23/ Cover flashing
- 234. Flashing screw c/c 300 mm
- 254. Spike-fastener

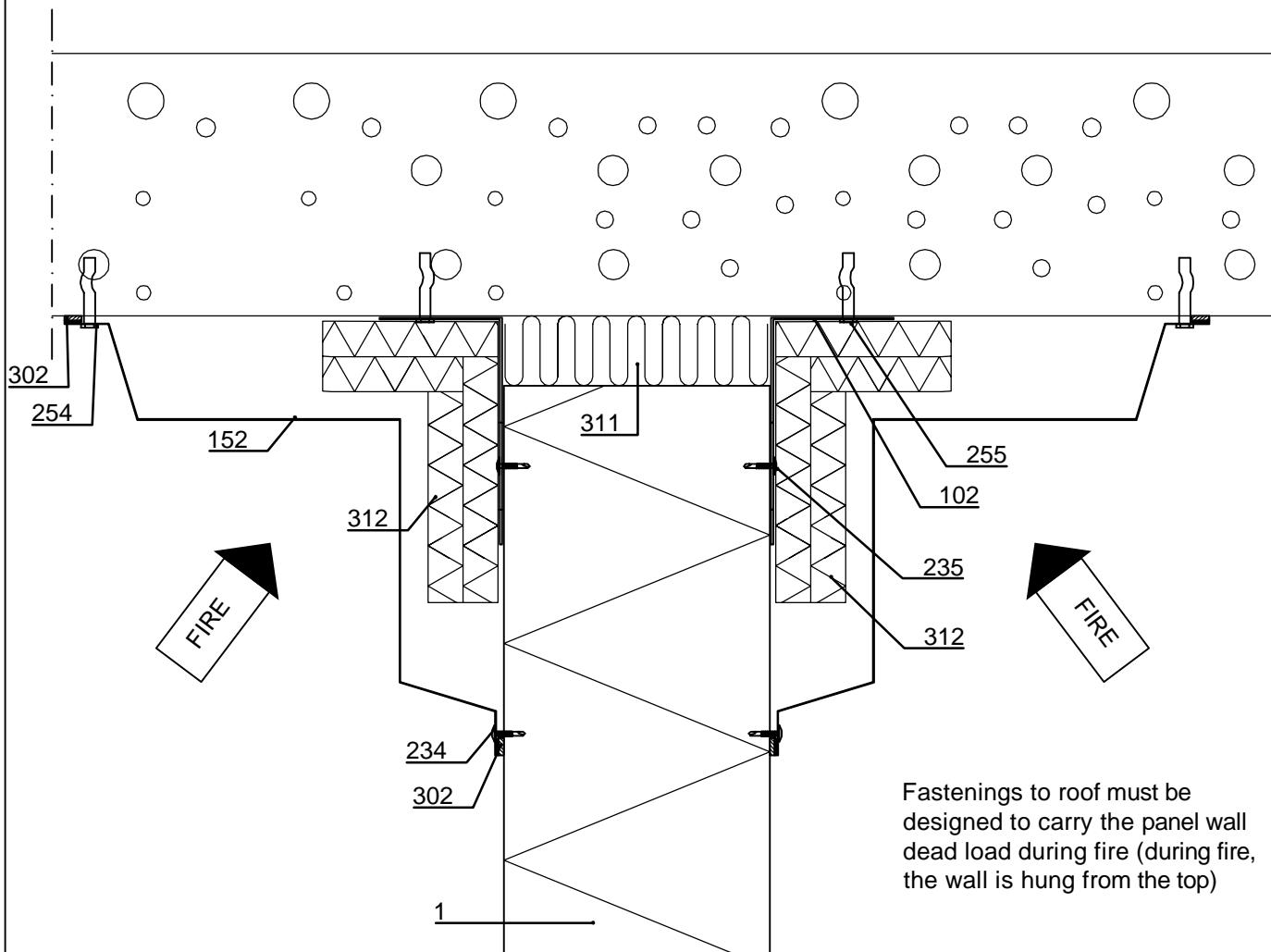
- 302. /EA3SS410/ Sealing strip
- 311. /EAWS5657850/ Mineral wool
- 312. /EAFW206001000/ Fire protection wool, mechanical fastening to surface

Ruukki's delivery

Sandwich panel SPA compartment details
 Vertical installation,
 fastening to concrete roof, vertical section

Date 20.05.2025	Rev. date	Work nr.	Drawing nr. SPA33-FIRE-2E-EN
Drawn by Ruukki	Rev.		
Scale 1:4	Building		File nr.

Fire protection wool, mechanical fastening, thickness (mm)					
Structure	EI60	EI90	EI120	EI180	EI240
Wall	0	20	20	30	50



- 001. Sandwich panel SPA, horizontal installation
- 102. /EA1FC5/ L-corner
- 152. /EA1R21/ Roof flashing
- 234. Flashing screw c/c 300 mm
- 235. Screw (according to structural designer)
- 254. Spike-fastener
- Ruukki's delivery

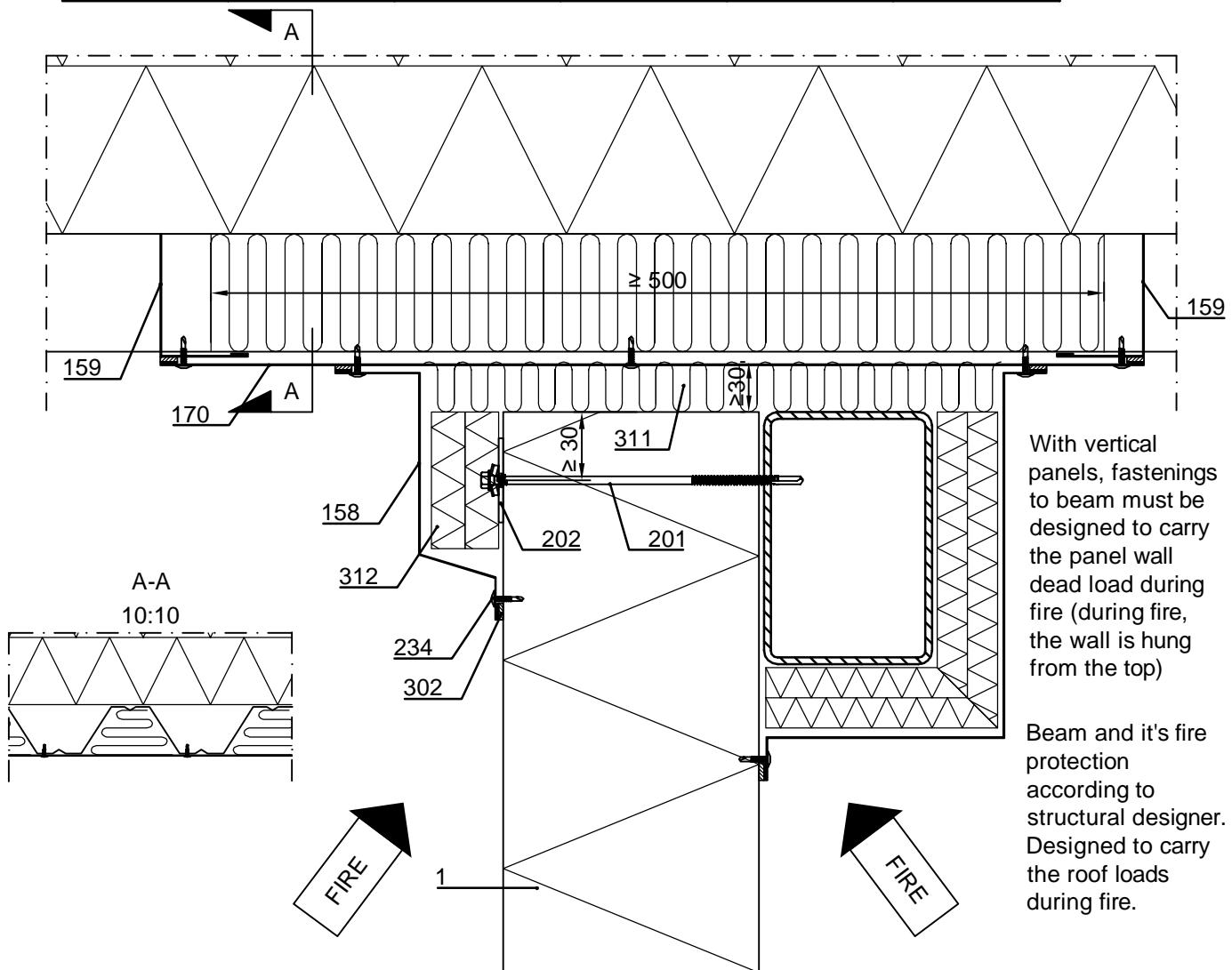
- 255. Spike-fastener (according to structural designer)
- 302. /EA3SS410/ Sealing strip
- 311. /EAWS5657850/ Mineral wool
- 312. /EAFW206001000/ Fire protection wool, mechanical fastening to surface

Sandwich panel SPA compartment details
Horizontal or vertical installation, fastening to
load-bearing sheet (span perpendicular)

Date 20.05.2025	Rev. date	Work nr.	Drawing nr. SPA35-FIRE-1E-EN
Drawn by Ruukki	Rev.		
Scale 1:4	Building		File nr.

Note! This detail is used for cases where the fire resistance of the load-bearing roof sheets is much lower (e.g R15) than the fire resistance of the compartment walls (EI30-E240). In these cases the compartment walls cannot be supported only from the load-bearing sheets; additional beam is required to carry the roof loads during fire.

Fire protection wool, mechanical fastening, thickness (mm)					
Structure	EI60	EI90	EI120	EI180	EI240
Wall	0	20	20	30	50



- 001. Sandwich panel SPA, horizontal or vertical inst.
- 158. /EA1R23/ Cover flashing
- 159. /EA1CFT _____ LB/ Closure flashing, bent
- 170. Flat steel sheet
- 201. Self-drilling panel screw, washer with sealing
- 202. Large washer, 50x50 mm, t ≥ 2 mm, required for vertical panel installations only

- Ruukki's delivery

- 234. Flashing screw c/c 300 mm
- 302. /EA3SS410/ Sealing strip
- 311. /EAWS5657850/ Mineral wool
- 312. /EAFW206001000/ Fire protection wool, mechanical fastening to surface

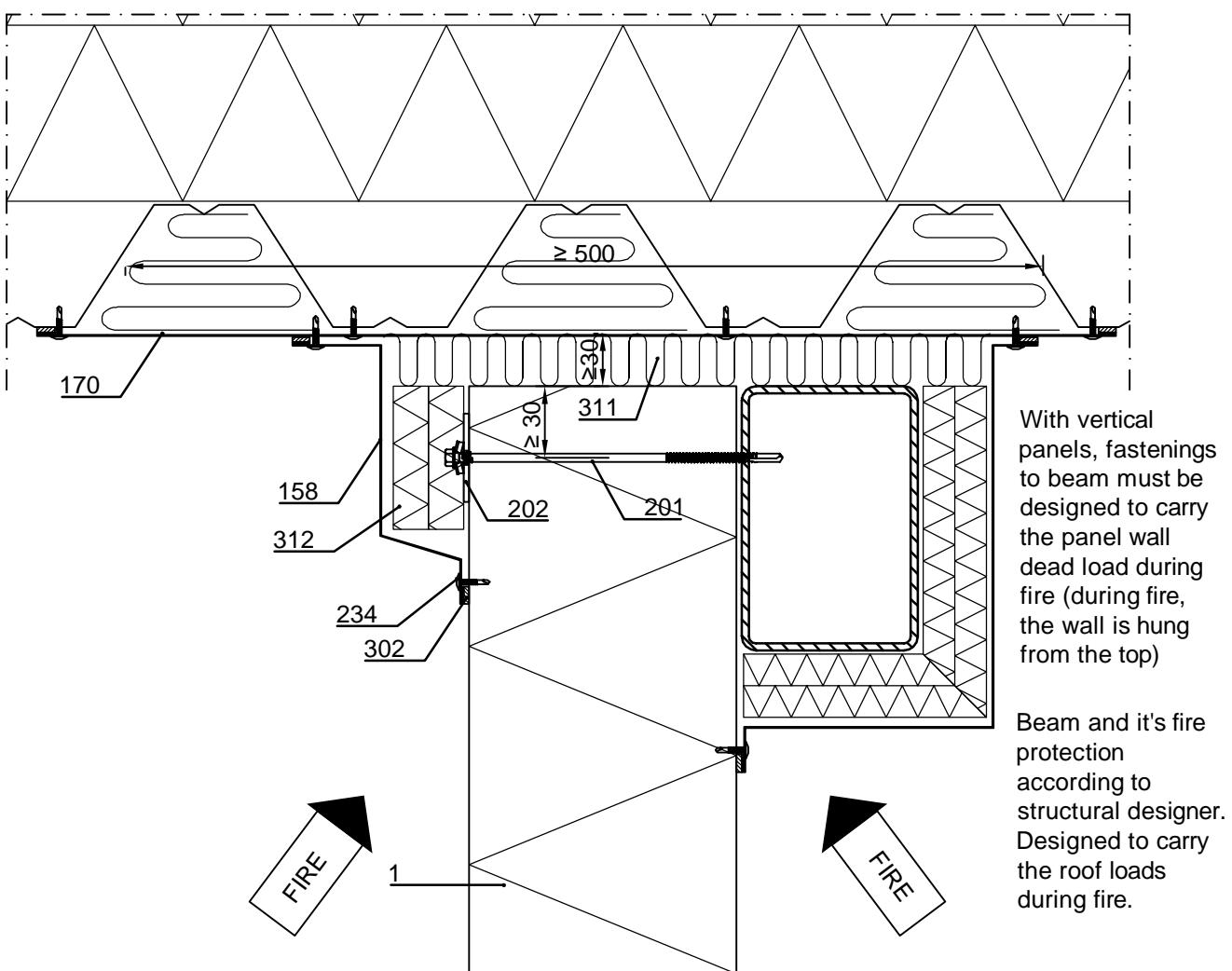
Sandwich panel SPA compartment details
Horizontal or vertical installation, fastening to
load-bearing sheet (span parallel)

Date 20.05.2025	Rev. date	Work nr.	Drawing nr. SPA35-FIRE-2E-EN
Drawn by Ruukki	Rev.		
Scale 1:4	Building		File nr.

Note! This detail is used for cases where the fire resistance of the load-bearing roof sheets is much lower (e.g R15) than the fire resistance of the compartment walls (EI30-E240). In these cases the compartment walls cannot be supported only from the load-bearing sheets; additional beam is required to carry the roof loads during fire. Although, when roof sheet span is parallel to compartment walls and load transfer to compartment walls is prevented by fire protecting the roof sheet, alternative detail can be used (see SPA35-FIRE-3E-EN).

Fire protection wool, mechanical fastening, thickness (mm)

Structure	EI60	EI90	EI120	EI180	EI240
Wall	0	20	20	30	50



- 001. Sandwich panel SPA, horizontal or vertical inst.
- 158. /EA1R23/ Cover flashing
- 170. Flat steel sheet
- 201. Self-drilling panel screw, washer with sealing
- 202. Large washer, 50x50 mm, t ≥ 2 mm, required for vertical panel installations only
- Ruukki's delivery

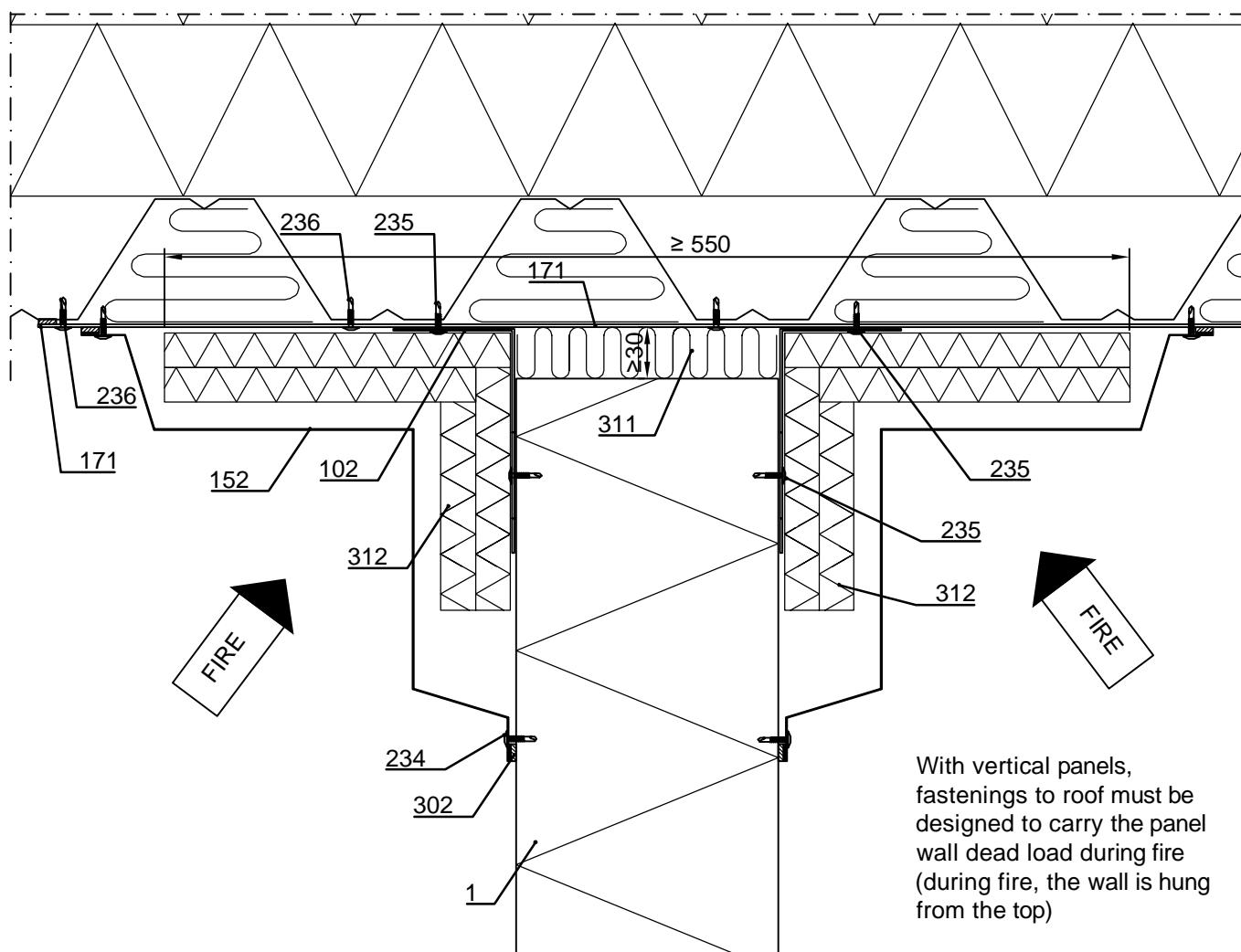
- 234. Flashing screw c/c 300 mm
- 302. /EA3SS410/ Sealing strip
- 311. /EAWS5657850/ Mineral wool
- 312. /EAFW206001000/ Fire protection wool, mechanical fastening to surface

Sandwich panel SPA compartment details
Horizontal or vertical installation, fastening to
load-bearing sheet (span parallel), ≤ EI120

Date 20.05.2025	Rev. date	Work nr.	Drawing nr. SPA35-FIRE-3E-EN
Drawn by Ruukki	Rev.		
Scale 1:4	Building		File nr.

Note! This detail is only applicable when load-bearing roof sheet span is parallel to compartment walls and load transfer to compartment walls during fire is prevented by fire protecting the roof sheet, and when requirements for compartment walls are EI120 or less. Otherwise, see SPA35-FIRE-1E-EN and SPA35-FIRE-2E-EN.

Fire protection wool, mechanical fastening, thickness (mm)						
Structure	EI30	EI60	EI90	EI120	EI180	EI240
Wall	0	0	20	20	30	50
Roof	0	20	30	50	n/a	n/a



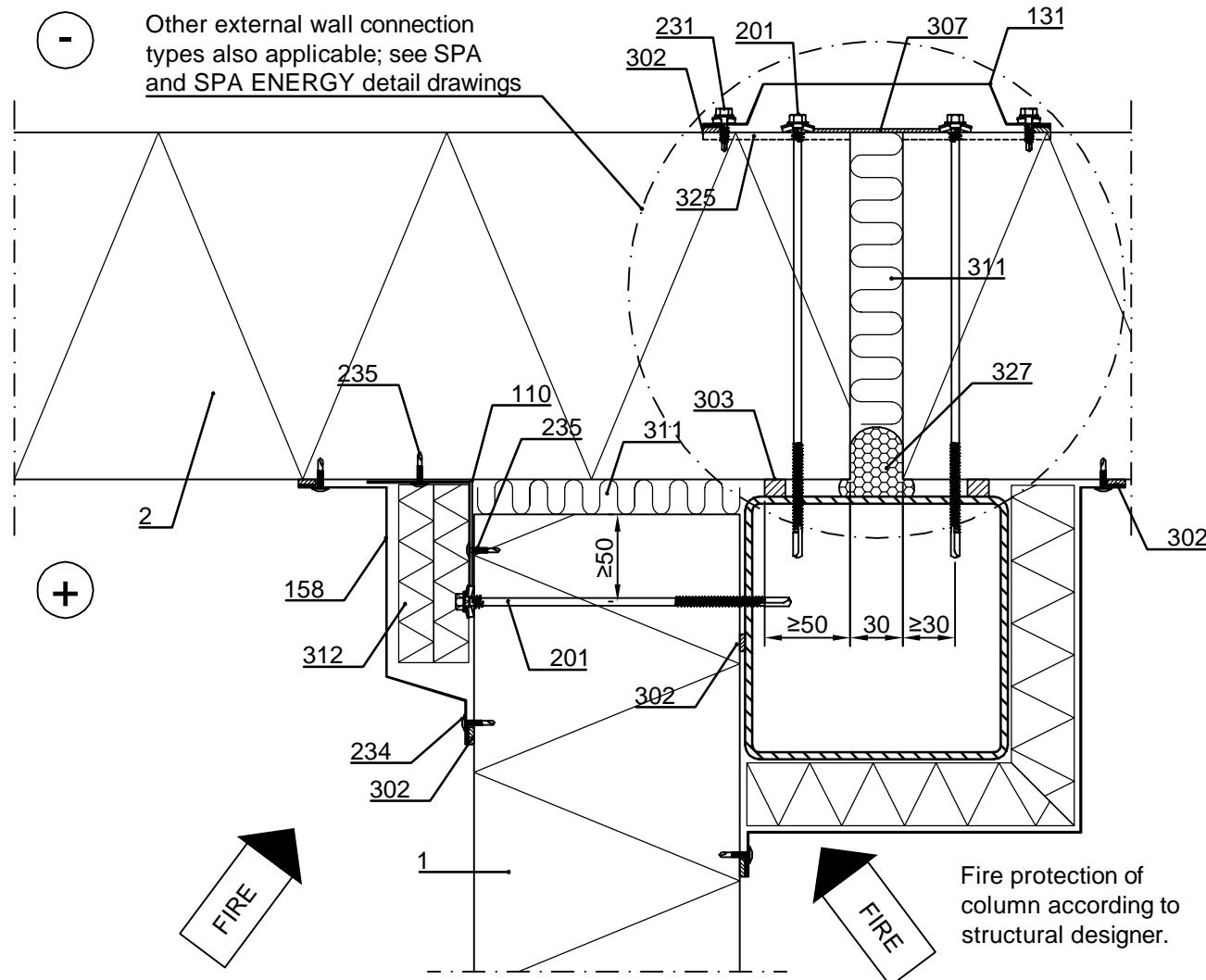
- 001. Sandwich panel SPA, horizontal or vertical inst.
- 102. /EA1FC5/ L-corner
- 152. /EA1R21/ Roof flashing
- 171. Flat steel sheet, $t = 0.7 - 2.5$ mm
- 234. Flashing screw c/c 300 mm
- 235. Screw (according to structural designer)
- 236. Screw (according to structural designer)
- 302. /EA3SS410/ Sealing strip
- 311. /EAWS5657850/ Mineral wool
mechanical fastening to surface
- 312. /EAFW206001000/ Fire protection wool,

Ruukki's delivery

Sandwich panel SPA compartment details
Horizontal (or vertical) installation,
fastening to external wall, horizontal section

Date 20.05.2025	Rev. date	Work nr.	Drawing nr. SPA36-FIRE-1E-EN
Drawn by Ruukki	Rev.		
Scale 1:4	Building		File nr.

Fire protection wool, mechanical fastening, thickness (mm)					
Structure	EI60	EI90	EI120	EI180	EI240
Wall	0	20	20	30	50



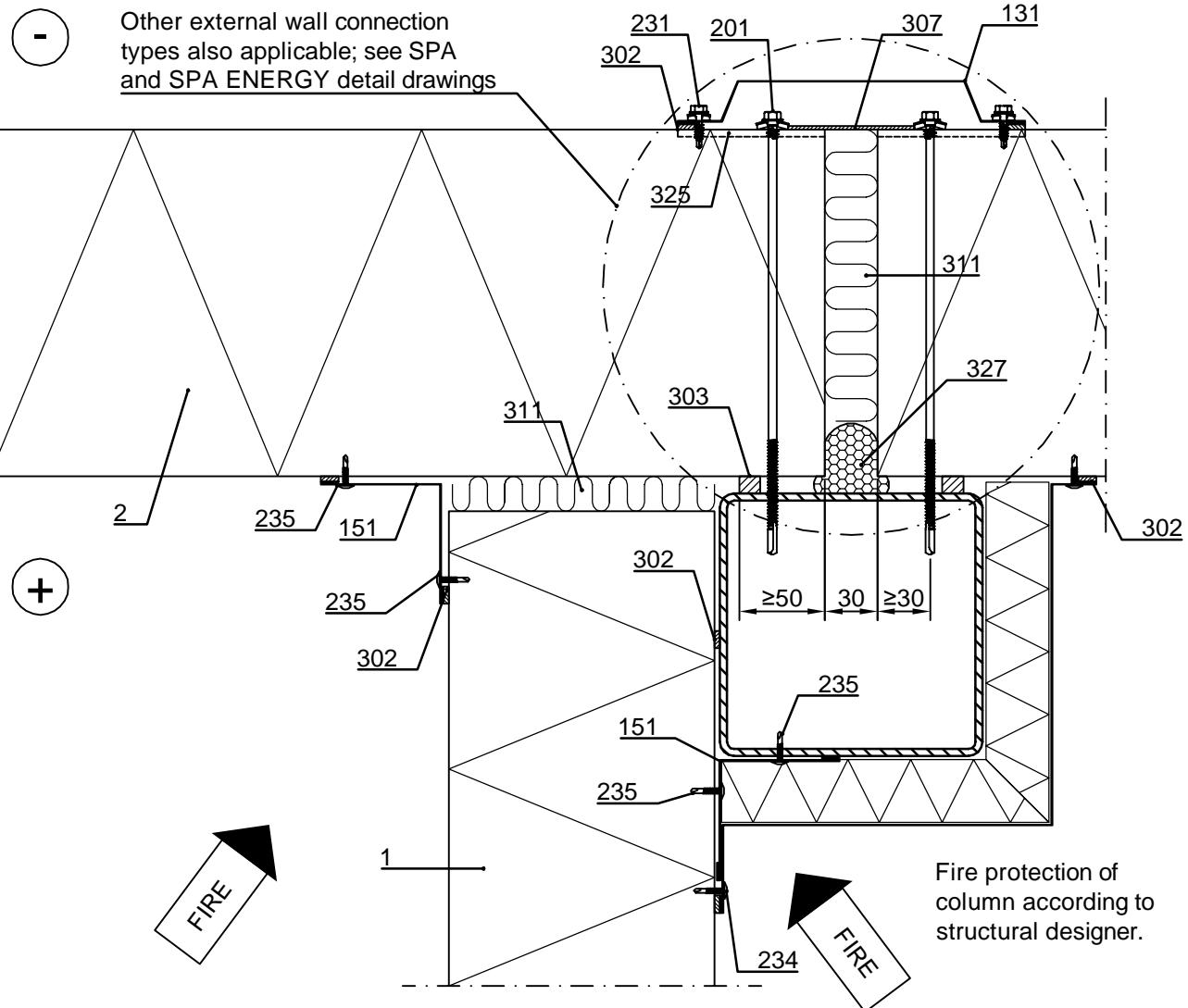
- 001. Sandwich panel SPA, horizontal or vertical inst.
- 002. Sandwich panel SPA, SPA ENERGY or SPA E LIFE, horizontal installation
- 110. L-purlin, 50x50 or 60x60, $t \geq 1,2$ mm
- 131. /EA1JV1/ Vertical joint flashing
- 158. /EA1R23/ Cover flashing
- 201. Self-drilling panel screw, washer with sealing
- 231. Flashing fastener, washer with sealing
- 234. Flashing screw c/c 300 mm
- 235. Screw c/c 300 mm
- 302. /EA3SS410/ Sealing strip, or /EA3SS510/ Sealing strip EPDM for flashing (for demanding climate conditions e.g. coastal areas)
- 303. /EA3SS1210/ Sealing strip
- 307. /EA3JS7525/ Joint sealing
- 311. /EAWS5657850/ Mineral wool
- 312. /EAFW206001000/ Fire protection wool, mechanical fastening to surface
- 325. Ruukki silicone during installation to outer female groove in length equivalent to vertical joint flashing width
- 327. Elastic polyurethane foam

Ruukki's delivery

Sandwich panel SPA compartment details
Vertical installation, fastening to
external wall, \leq EI60, horizontal section

Date 20.05.2025	Rev. date	Work nr.	Drawing nr. SPA36-FIRE-2E-EN
Drawn by Ruukki	Rev.		
Scale 1:4	Building		File nr.

Note! This detail is only applicable when requirements for compartment walls are EI60 or less. Otherwise, see SPA36-FIRE-1E-EN.



- 001. Sandwich panel SPA, vertical installation
- 002. Sandwich panel SPA, SPA ENERGY or SPA E LIFE, horizontal installation
- 131. /EA1JV1/ Vertical joint flashing
- 151. /EA1IC2/ Internal corner flashing
- 201. Self-drilling panel screw, washer with sealing
- 231. Flashing fastener, washer with sealing
- 234. Flashing screw c/c 300 mm
- 235. Screw c/c 300 mm

- Ruukki's delivery

- 302. /EA3SS410/ Sealing strip, or /EA3SS510/ Sealing strip EPDM for flashing (for demanding climate conditions e.g. coastal areas)
- 303. /EA3SS1210/ Sealing strip
- 307. /EA3JS7525/ Joint sealing
- 311. /EAWS5657850/ Mineral wool
- 325. Ruukki silicone during installation to outer female groove in length equivalent to vertical joint flashing width
- 327. Elastic polyurethane foam

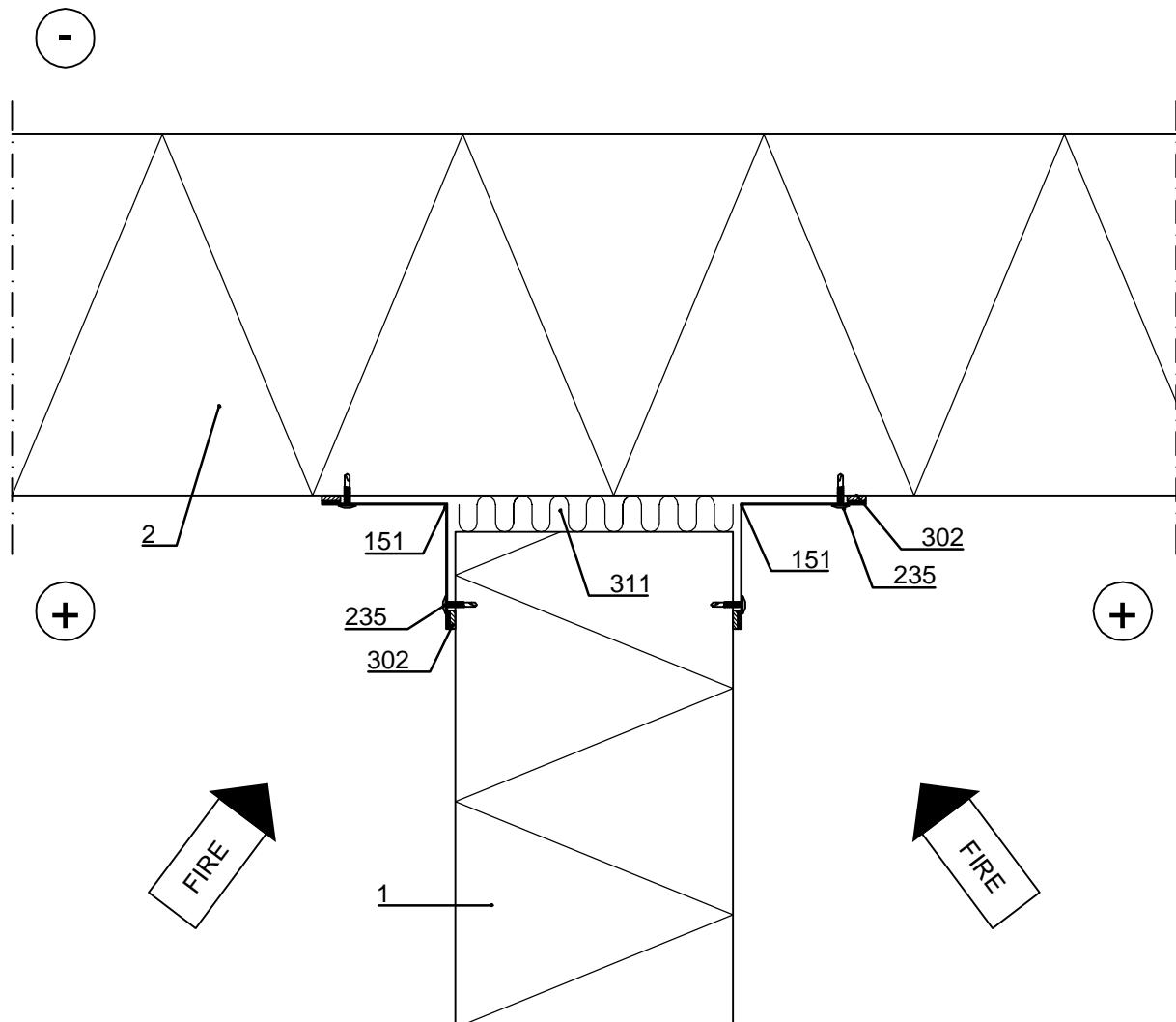


Contents of drawing

**Sandwich panel SPA compartment details
Vertical installation, fastening to
external wall, ≤ EI30, horizontal section**

Date 20.05.2025	Rev. date	Work nr.	Drawing nr. SPA36-FIRE-3E-EN
Drawn by Ruukki	Rev.		
Scale 1:4	Building		File nr.

Note! This detail is only applicable when requirements for compartment walls are EI30 or less, and when vertical panels don't require additional support structures (see roof fastening details SPA33-FIRE-2E-EN and SPA35-FIRE-3E-EN). Otherwise, see external wall fastening details SPA36-FIRE-1E-EN or SPA36-FIRE-2E-EN. If requirement is EI60 or less, see SPA36-FIRE-4E-EN.



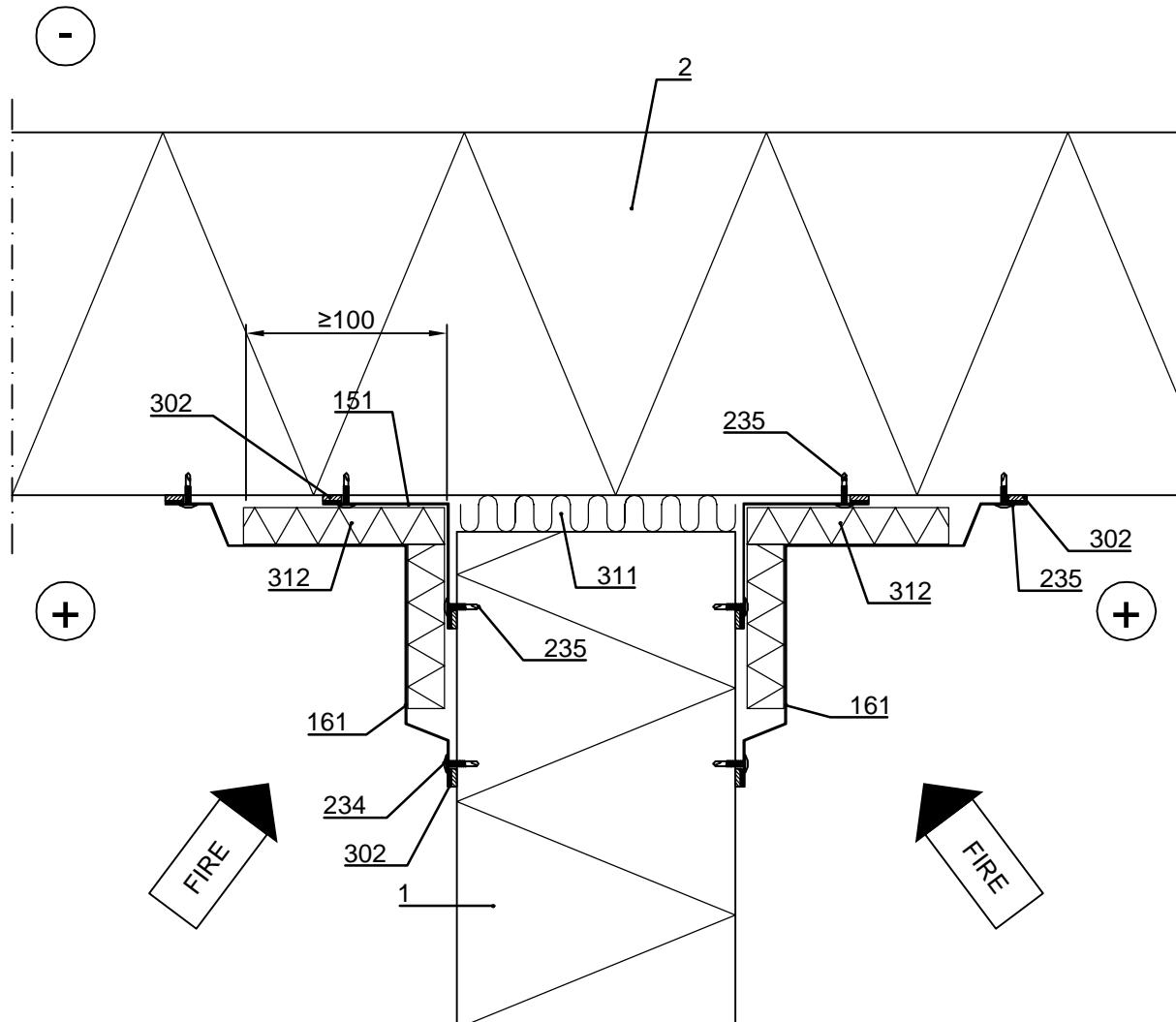
- 001. Sandwich panel SPA, vertical installation
- 002. Sandwich panel SPA, SPA ENERGY or SPA E LIFE
- 151. /EA1C2/ Internal corner flashing
- Ruukki's delivery
- 235. Screw c/c 300 mm
- 302. /EA3SS410/ Sealing strip
- 311. /EAWS5657850/ Mineral wool

Sandwich panel SPA compartment details
 Vertical installation, fastening to
 external wall, \leq EI60, horizontal section

Date 20.05.2025	Rev. date	Work nr.	Drawing nr. SPA36-FIRE-4E-EN
Drawn by Ruukki	Rev.		
Scale 1:4	Building		File nr.

Note! This detail is only applicable when requirements for compartment walls are EI60 or less, and when vertical panels don't require additional support structures (see roof fastening details SPA33-FIRE-2E-EN and SPA35-FIRE-3E-EN). Otherwise, see external wall fastening details SPA36-FIRE-1E-EN or SPA36-FIRE-2E-EN. If requirement is EI30 or less, see SPA36-FIRE-3E-EN.

Fire protection wool, mechanical fastening, thickness (mm)					
Structure	EI60	EI90	EI120	EI180	EI240
Wall	20	N/A	N/A	N/A	N/A



- 001. Sandwich panel SPA, vertical installation
- 002. Sandwich panel SPA, SPA ENERGY or SPA E LIFE
- 151. /EA1IC2/ Internal corner flashing
- 161. /EA1IC3/ Internal corner flashing
- Ruukki's delivery
- 234. Flashing screw c/c 300 mm
- 235. Screw c/c 300 mm
- 302. /EA3SS410/ Sealing strip
- 311. /EAWS5657850/ Mineral wool