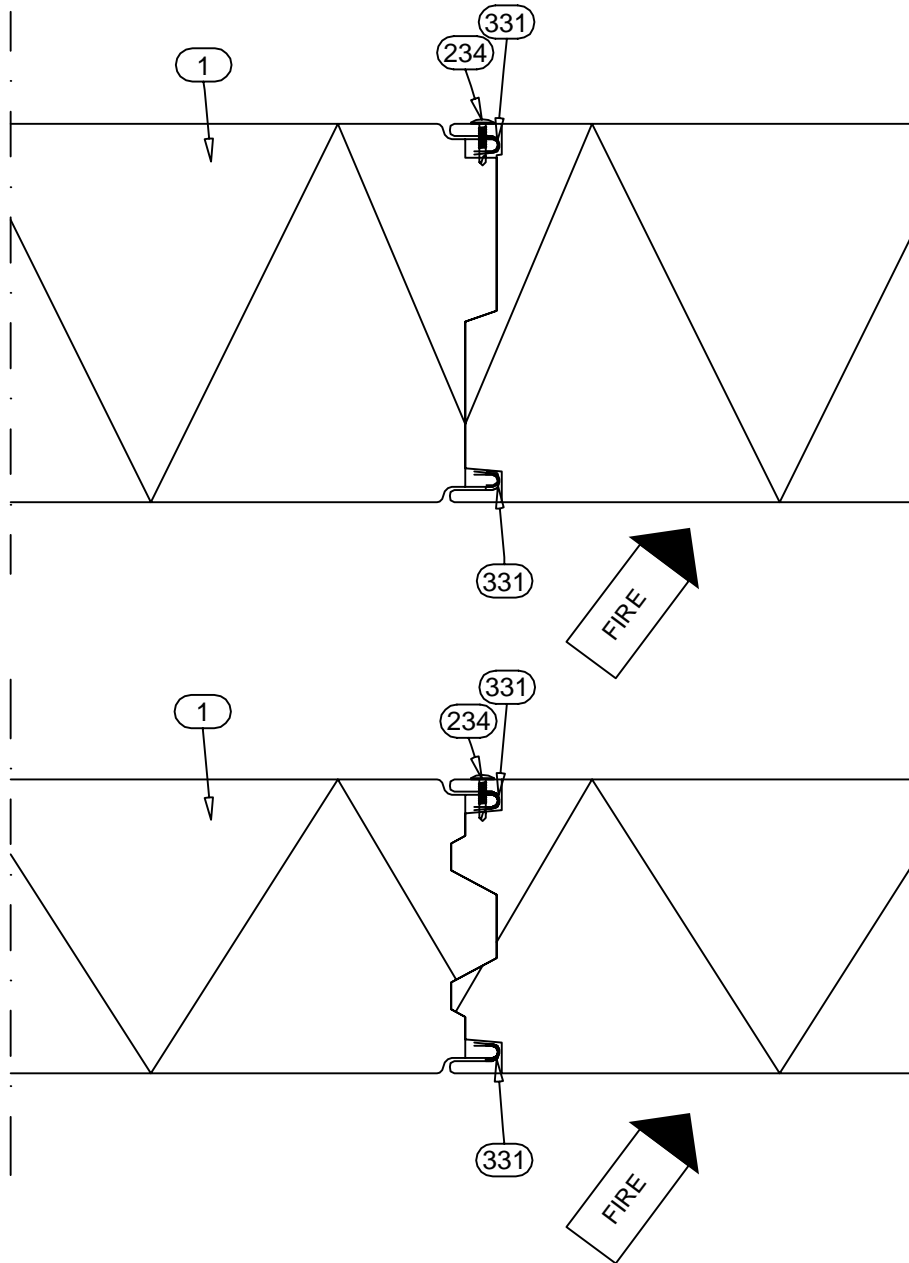


Date 17.12.2012	Rev. date .	Work nr. .	Drawing nr. SPA50-FIRE-1E-EN	Rev. .
Drawn by Ruukki	Rev. .			
Scale 1:2,5	Building .	File nr. SPA50-FIRE-1E-EN.dwg		



THICKNESS CLASS: 80, 125,
150, 175, 200 AND 230 mm

THICKNESS CLASS: 100 mm

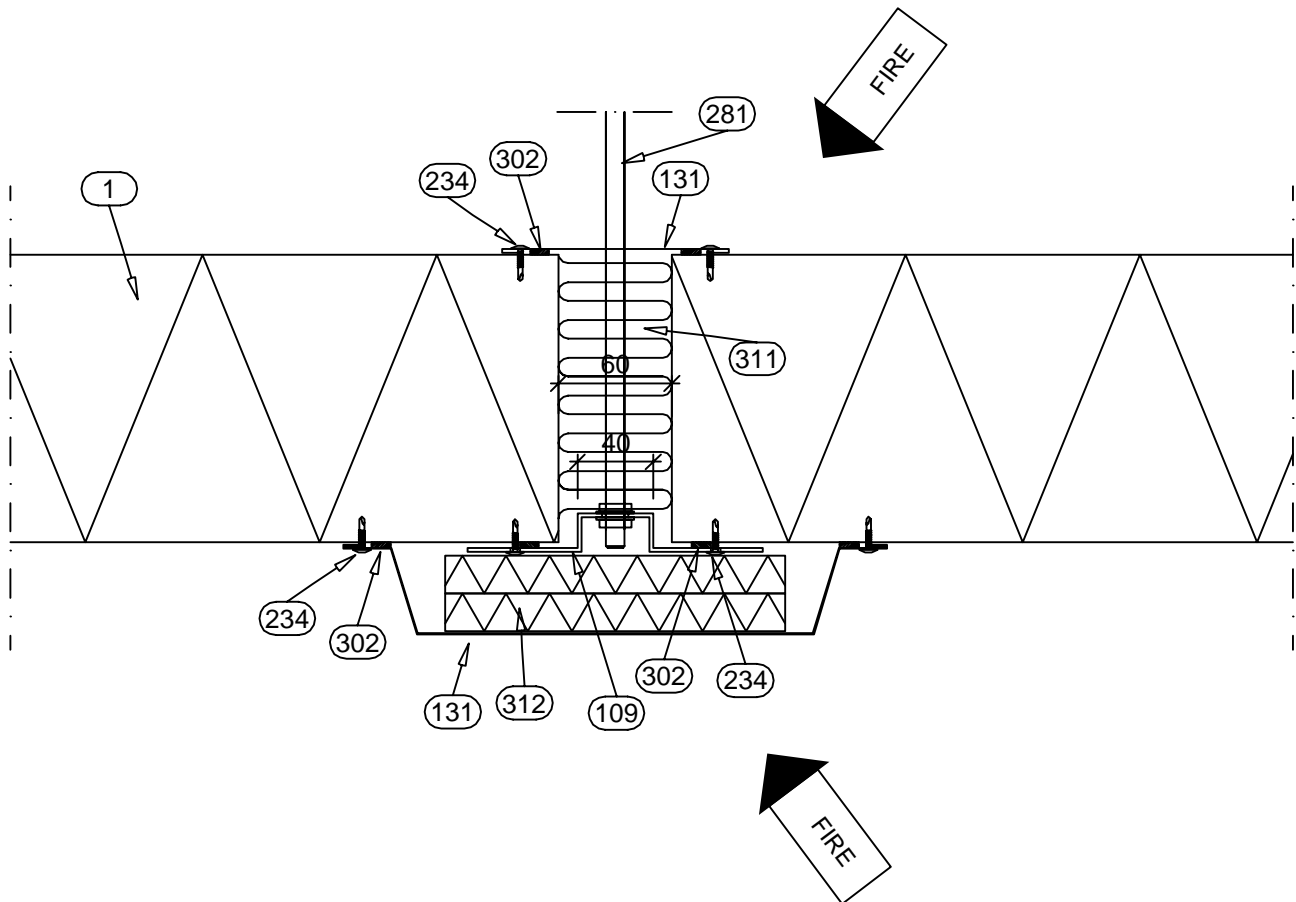
- 001. Sandwich panel SPA
- 234. Screw, d(min.) = 4,2 mm, elements are fastened to each other from top surface joints,
max. distance between fasteners 500 mm
- 331. Elastic groove joint sealant, installed in the factory

Ruukki's delivery

Date 17.12.2012	Rev. date 16.05.2016	Work nr.	Drawing nr. SPA51-FIRE-1E-EN A	Rev.
Drawn by Ruukki	Rev. A	.		
Scale 1:4	Building		File nr. SPA51-FIRE-1E-EN.dwg	

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

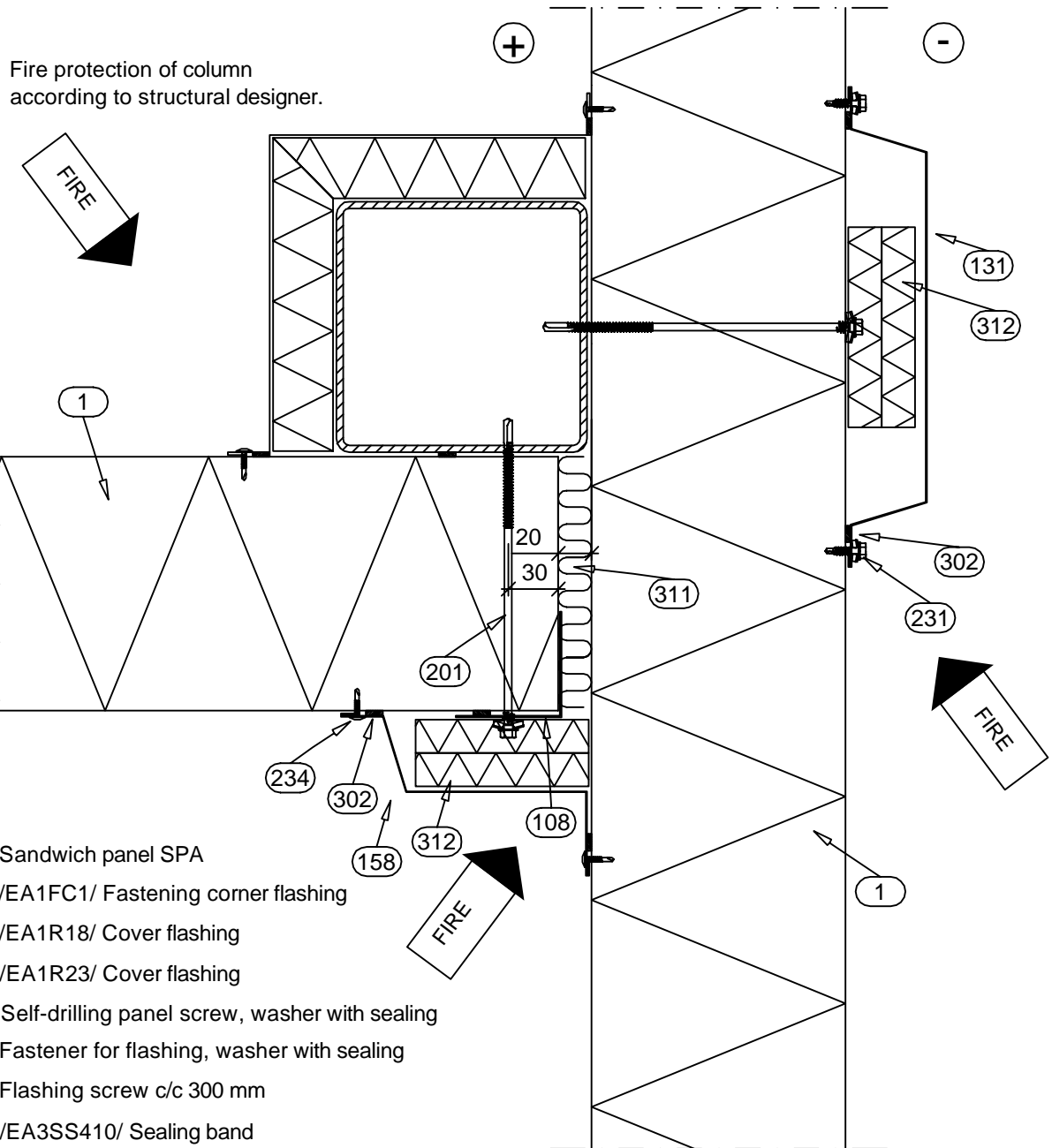


- 001. Sandwich panel SPA
- 109. /EA1HP3/ Hat purlin
- 131. /EA1R18/ Cover flashing
- 234. Flashing screw c/c 300 mm
- 281. Threaded rod M12
- 302. /EA3SS410/ Sealing band
- 311. /EAWS30565/ Mineral wool
- 312. /EAFW206001200/ Fire protection wool

Ruukki's delivery

Date 17.12.2012	Rev. date 16.05.2016	Work nr.	Drawing nr. SPA52-FIRE-1E-EN A	Rev.
Drawn by Ruukki	Rev. A	.		
Scale 1:4	Building		File nr. SPA52-FIRE-1E-EN.dwg	

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



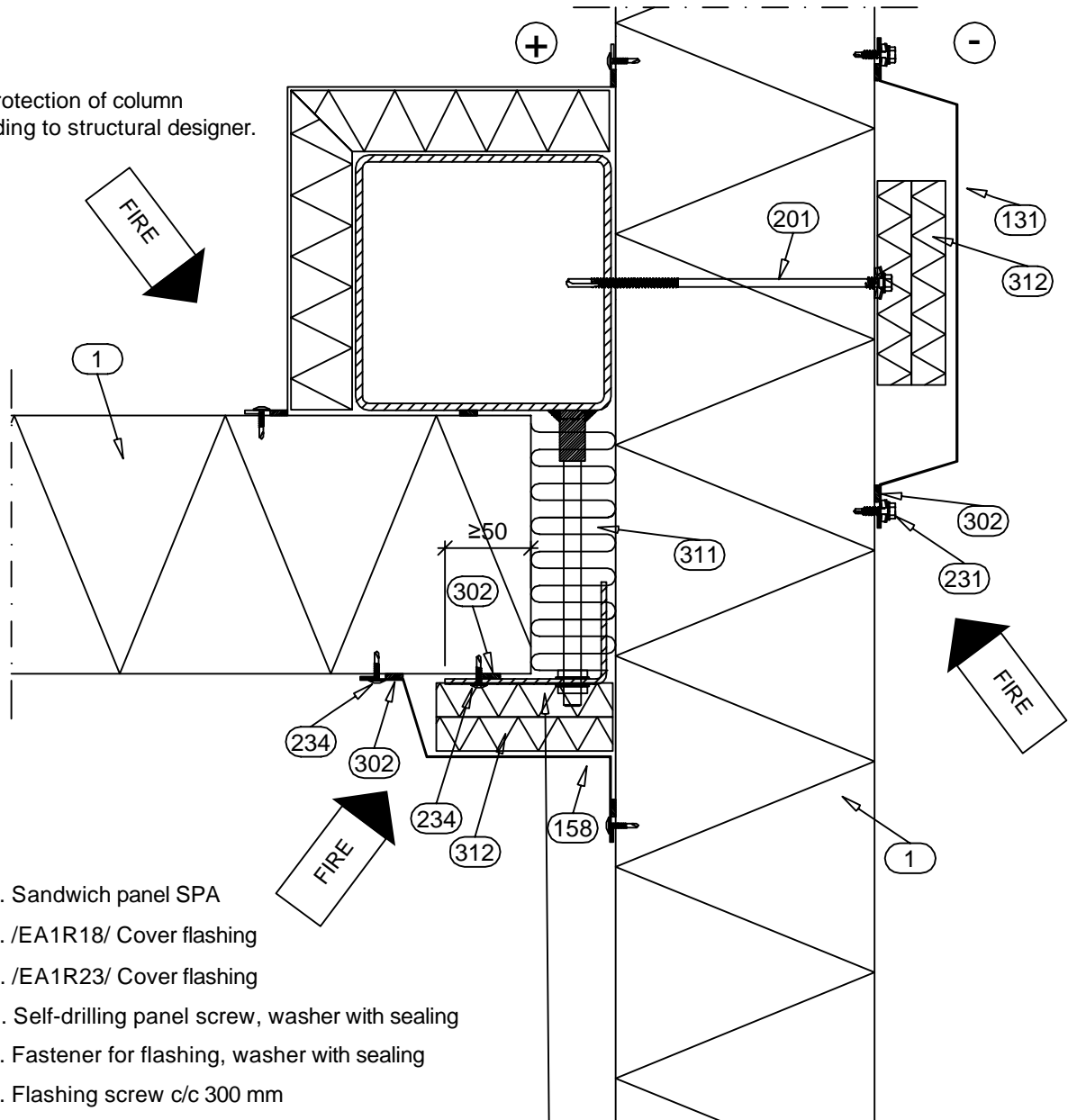
- 001. Sandwich panel SPA
- 108. /EA1FC1/ Fastening corner flashing
- 131. /EA1R18/ Cover flashing
- 158. /EA1R23/ Cover flashing
- 201. Self-drilling panel screw, washer with sealing
- 231. Fastener for flashing, washer with sealing
- 234. Flashing screw c/c 300 mm
- 302. /EA3SS410/ Sealing band
- 311.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

Date 17.12.2012	Rev. date 16.05.2016	Work nr.	Drawing nr. SPA52-FIRE-2E-EN A	Rev.
Drawn by Ruukki	Rev. A			
Scale 1:4	Building		File nr. SPA52-FIRE-2E-EN.dwg	

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



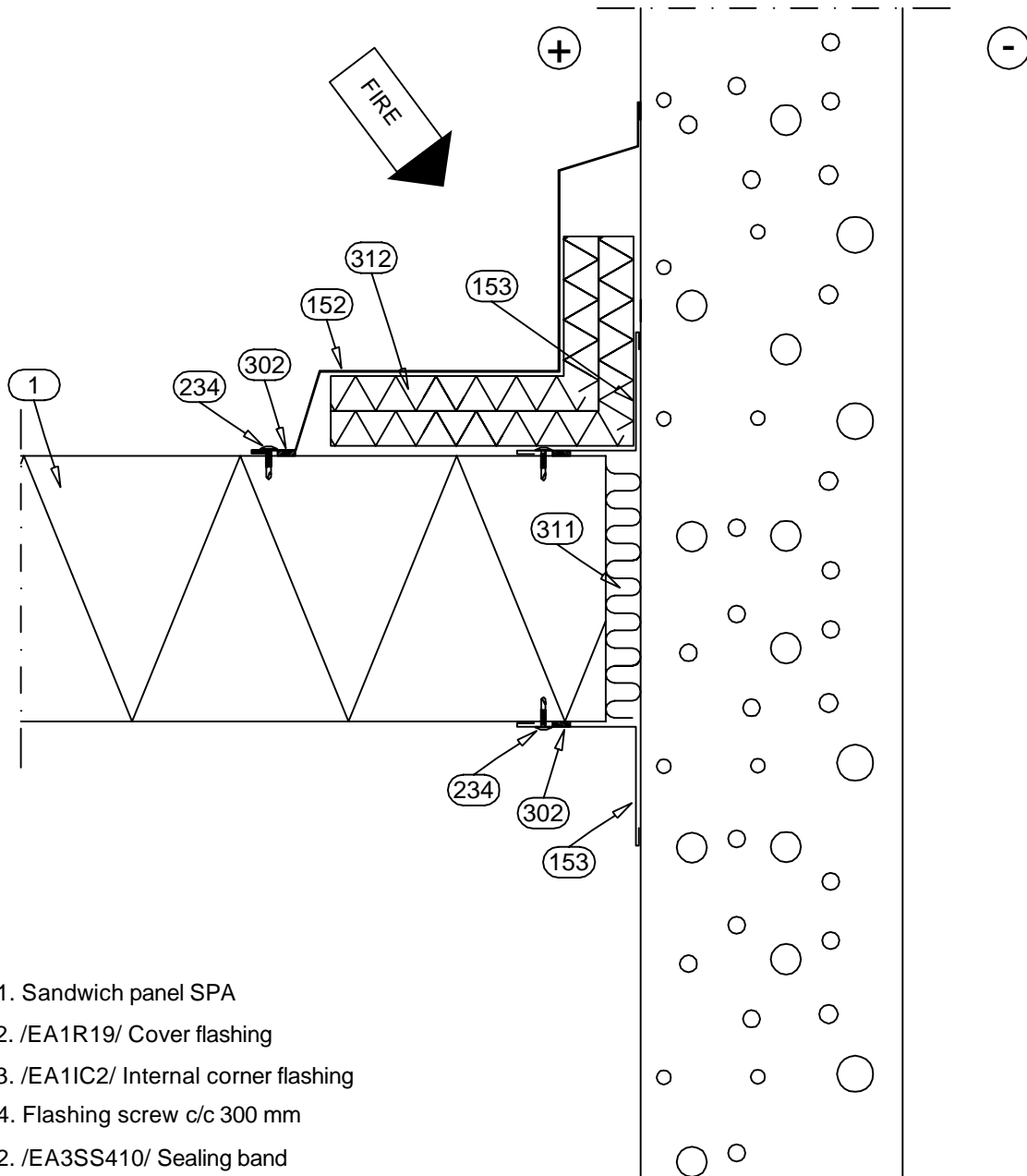
Contents of drawing

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

Date 17.12.2012	Rev. date 16.05.2016	Work nr.	Drawing nr. SPA52-FIRE-3E-EN A	Rev.
Drawn by Ruukki	Rev. A	.		
Scale 1:4	Building		File nr. SPA52-FIRE-3E-EN.dwg	

Fire protection wool FPS 17, thickness (mm)

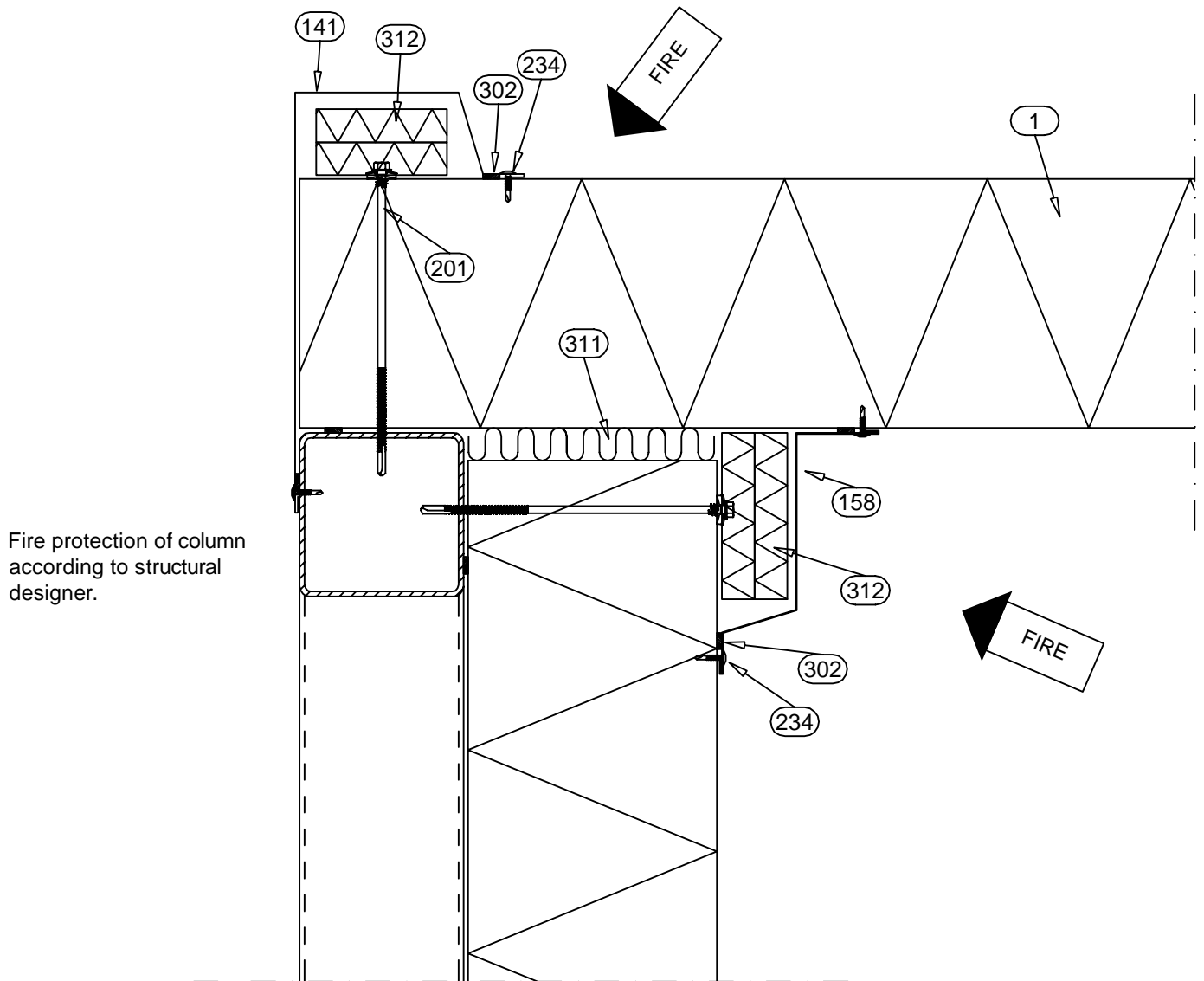
Structure	EI60	EI90	EI120	EI180	EI240
Wall	-	20	20	30	50
Ceiling	20	20	30	n/a	n/a



- 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

Date 17.12.2012	Rev. date 16.05.2016	Work nr.	Drawing nr. SPA52-FIRE-4E-EN A	Rev.
Drawn by Ruukki	Rev. A	.		
Scale 1:4	Building		File nr. SPA52-FIRE-4E-EN.dwg	

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.

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