



City sector	Block	Site/Reg. nr.	File nr.			
Building type			Drawing type			Nr.
Building, Name and address			Contents of drawing			Scale
 <p>Ruukki Construction Oy Panuntie 11 00620 HELSINKI FINLAND</p> <p>tel. +358 (0) 20 59 150</p> <p>www.ruukki.com</p>			<p>Sandwich panel SPA</p> <p>BASE DETAIL DRAWINGS</p> <p>External walls</p>			
Date	Designer		Work nr.	Work nr.	Drw. nr.	Rev.
01.10.2025						
Drawn by	Checked					
Ruukki						

Drawing nr.	Contents of drawing
SPA06-1E.1-EN	Parapet, horizontal installation, side eaves, oblique purlin
SPA06-1E.2-EN	Parapet, horizontal installation, side eaves, straight purlin
SPA06-2E-EN	Parapet, horizontal installation, end eaves
SPA06-3E-EN	Parapet, vertical- and diagonal installation, side eaves
SPA06-4E-EN	Parapet, vertical- and diagonal installation, end eaves
SPA06-5E-EN	Cantilever eaves, horizontal inst., side eaves, prof. sheet
SPA06-6E-EN	Cantilever eaves, horizontal inst., end eaves, prof. sheet
SPA06-7E-EN	Cantilever eaves, horizontal inst., side eaves, bitumen roof
SPA06-8E-EN	Cantilever eaves, horizontal inst., end eaves, bitumen roof
SPA06-9E-EN	Eaves, horizontal installation, side eaves, profiled sheet
SPA06-10E-EN	Eaves, horizontal installation, end eaves, profiled sheet
SPA06-11E-EN	Eaves, horizontal installation, side eaves, bitumen roof
SPA06-12E-EN	Eaves, horizontal installation, end eaves, bitumen roof
SPA06-13E-EN	Vapour barrier and insulation supp. flashing fastening
SPA06-30E-EN	Parapet, horizontal installation, invisible flashing
SPA06-31E-EN	Eaves, horizontal installation, invisible flashing
SPA06-32E-EN	Eaves, horizontal installation, invisible flashing

SPA07-1E-EN Uplifted roofing, horizontal installation

SPA08-1E-EN System window, horizontal installation, small window
SPA08-2E-EN System window, horizontal installation, small window
SPA08-3E-EN System window, horizontal installation, large window
SPA08-4E-EN System window, horizontal installation, large window
SPA08-5E-EN Window, horizontal installation
SPA08-6E-EN Window, horizontal installation
SPA08-30E-EN Window, horizontal installation, invisible flashing
SPA08-31E-EN Window, horizontal installation, invisible flashing
SPA08-32E-EN Window, invisible flashing

SPA09-1E-EN System door, horizontal installation, single door
SPA09-2E-EN System door, horizontal installation, single door
SPA09-3E-EN System door, horizontal installation, double door
SPA09-4E-EN System door, horizontal installation, double door
SPA09-5E-EN Door, horizontal installation
SPA09-6E-EN Door, horizontal installation
SPA09-7E-EN Overhead door, horizontal installation
SPA09-8E-EN Overhead door, horizontal installation
SPA09-30E-EN Door, horizontal installation, invisible flashing
SPA09-31E-EN Door, horizontal installation, invisible flashing
SPA09-32E-EN Door, invisible flashing

City sector	Block	Site/Reg. nr.	File nr.		
Building type			Drawing type Nr.		
Building, Name and address			Contents of drawing		Scale
 <p>Ruukki Construction Oy Panuntie 11 00620 HELSINKI FINLAND</p> <p>tel. +358 (0) 20 59 150 www.ruukki.com</p>			<p>Sandwich panel SPA BASE DETAIL DRAWINGS External walls</p>		
Date 01.10.2025	Designer	Work nr.	Work nr.	Drw. nr.	Rev.
Drawn by Ruukki	Checked				



Contents of drawing

Sandwich panel SPA
Accessory numbers in details

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA00-0E-EN
Drawn by Ruukki	Rev.		
Scale	Building		File nr.

SANDWICH PANELS

- 001. Sandwich panel SPA 80-230
- 002. Sandwich panel SPA corner panel

- 261. Self-drilling element screw to wood, washer with sealing
- 262. Self-drilling element screw to wood, without washer

FLASHINGS

- 100. Standard purlins
- 101-109. Purlins and other fastening flashings

- 265. Fastener screw to wood, washer with sealing

- 271. Rivet

- 111-119. Plinth flashings

SEALANTS AND INSULATIONS

- 121-124. Fastening plates (for vemo-fastenings)
- 125-129. Purlins

- 300. Plinth sealing (SPA80-230)
- 302. Sealing strip for flashings and for wood / steel frame
- 303. Sealing strip for concrete frame

- 131-159. Vertical seam-, external- and internal corner flashings

- 305-308. Ruukki Wind Joint Tape

- 161-179. Eave flashings

- 310. Mineral- / stonewool

- 311. Mineral wool

- 312. Mineral wool

- 181-194. Window- and door flashings
- 195-199. Flashings used in uplifted roofs

- 321-323. Sealant mastic

FASTENERS

- 201. Self-drilling element screw, washer with sealing
- 202. Self-drilling element screw, without washer
- 205. Self-drilling element screw / fastener screw for roof
- 206. Self-drilling element screw / fastener screw for roof

- 325. Ruukki sealant mastic during installation

- 330. PU insulation

- 331. EPDM sealing

- 211. Self-threading element screw, washer with sealing
- 212. Self-threading element screw, without washer

- 341. Plywood

- 342. L-profile

- 215. Countersink washer

- 221. Internal thread socket and hex bolt (for vemo fastenings)

- 231. Flashing fastener, washer with sealing
- 232. Flashing fastener, without washer
- 233. Flashing fastener, washer with sealing
- 234. Flat headed flashing fastener
- 235. Joint panel fastener, stainless steel, washer with sealing

- 241. Fastener screw, washer with sealing
- 242. Fastener screw, without washer

- 251. Spike element fastener, washer with sealing
- 255. Spike fastener, without washer

Technical drawing of a roof assembly cross-section. The drawing shows a sloped roof structure with insulation (111) and a waterproofing layer (341). A drainage channel (SPA01-7E) is installed on the roof surface. The channel has a height of 30 mm. The roof structure is supported by a concrete slab (255) with a thickness of 100 mm. The drawing also shows a cross-section of a wall (100) with a height of 30 mm. The roof assembly is labeled with a minus sign (-) and a plus sign (+). Dimensions include a height of 48 mm for the roof structure and a minimum distance of 40 mm between the roof structure and the wall.

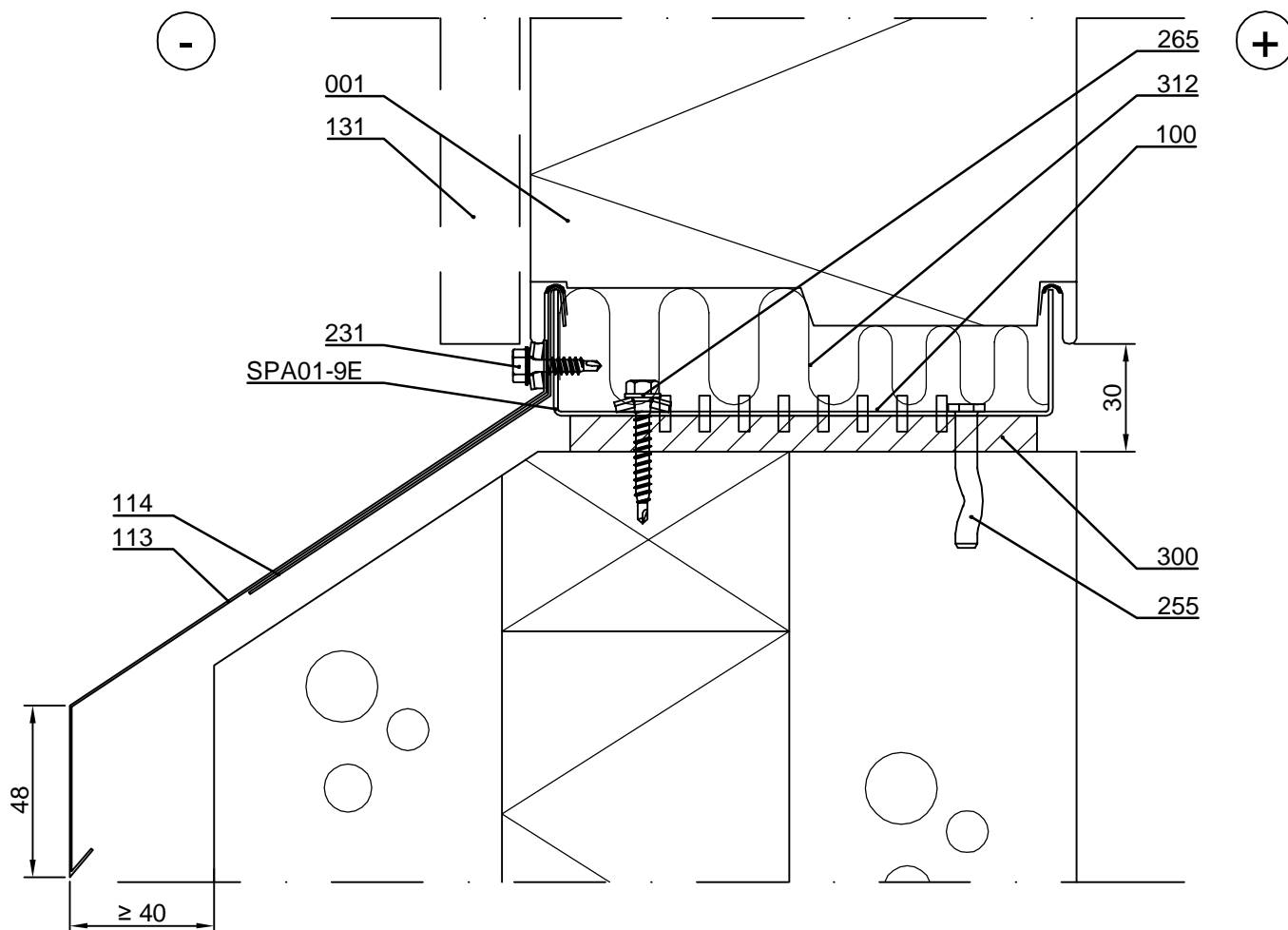
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Contents of drawing

Sandwich panel SPA, horizontal installation
Plinth, vertical section
Option 3

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA01-3E-EN
Drawn by Ruukki	Rev.		
Scale 1:2	Building		File nr.



- ☐ 001. Sandwich panel SPA
- ☐ 100. /EA1U___/ U-Plinth purlin
- ☐ 113. /EA1P4-___/ Plinth flashing (can be installed after panel installation)
- ☐ 114. /EA1PS1-___/ Support flashing (installed simultaneously with panels)
- ☐ 131. /EA1JV1/ Vertical joint flashing
- ☐ 231. Flashing fastener, washer with sealing
- ☐ 255. /S5R48038/ Spike-fastener, concrete c/c600
- ☐ 265. /S3H55042WA4B/ Fastener, wood c/c600
- ☐ 300. /EA3SP___10/ Plinth sealing
- ☐ 312. /EAWS___/ Mineral wool

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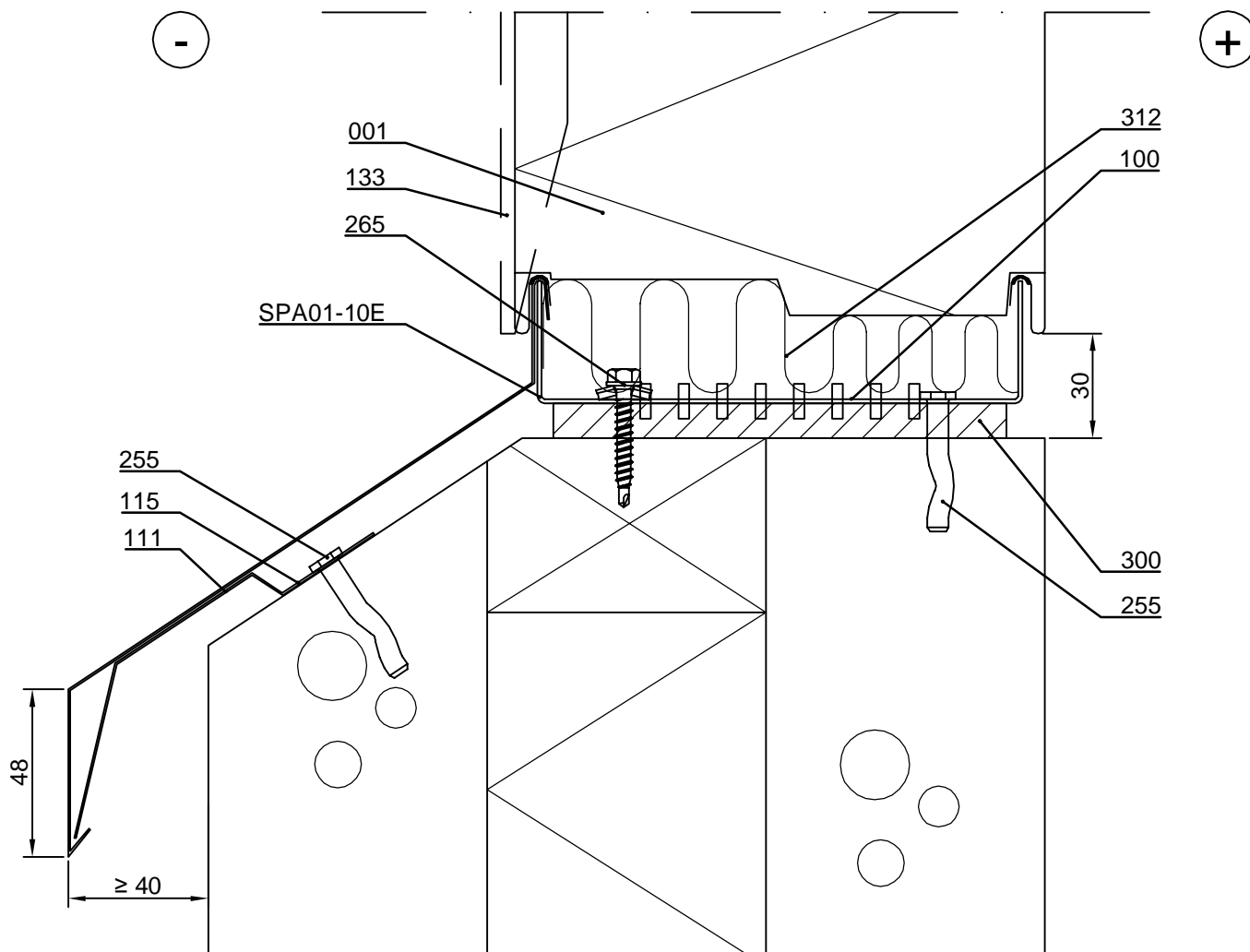
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Contents of drawing

Sandwich panel SPA, horizontal installation
Plinth, vertical section
Option 4

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA01-4E-EN
Drawn by Ruukki	Rev.		
Scale 1:2	Building		File nr.

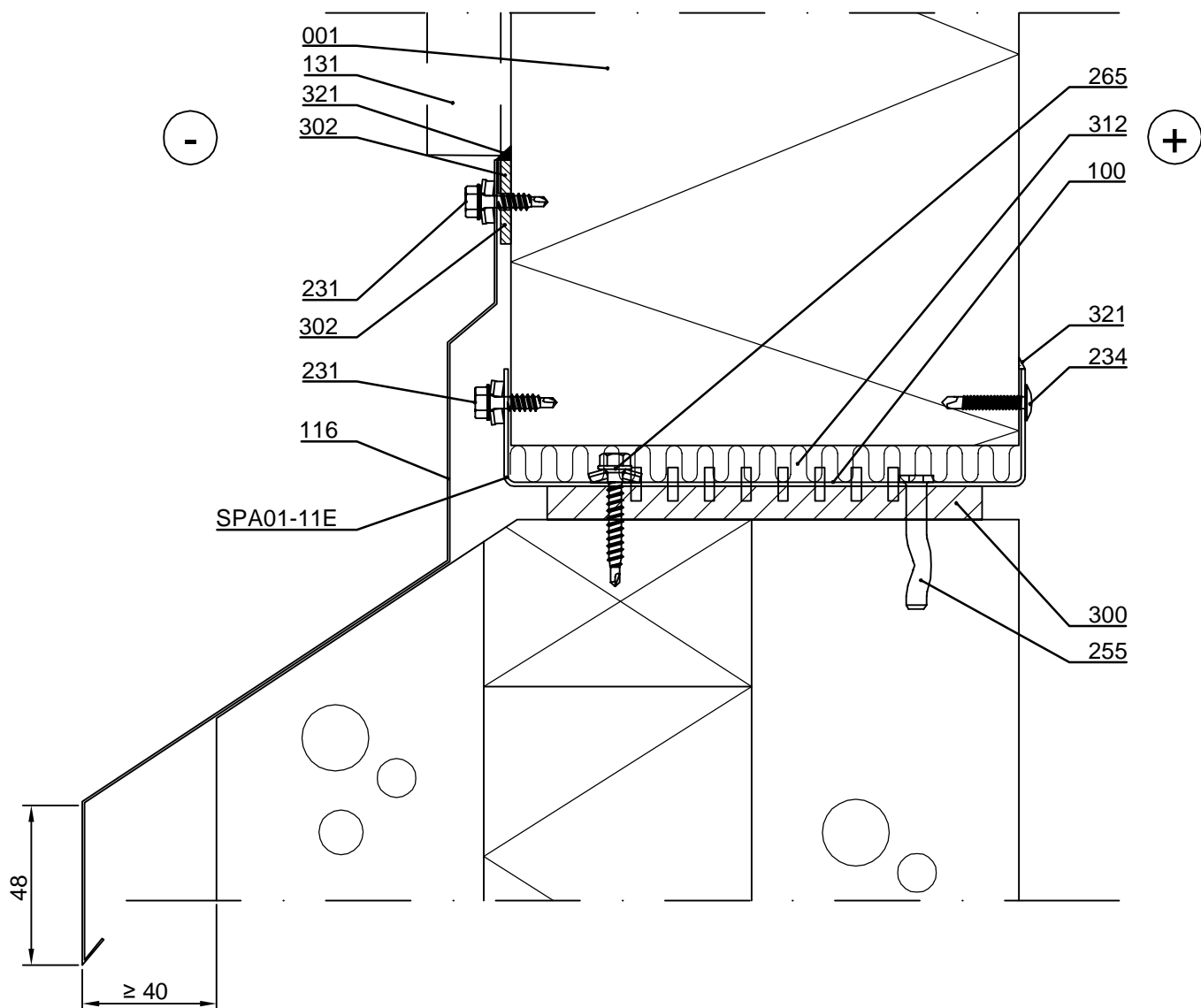


- ☐ 001. Sandwich panel SPA
- ☐ 100. /EA1U___/ U-Plinth purlin
- ☐ 111. /EA1P3-___/ Plinth flashing (installed simultaneously with panels)
- ☐ 115. Support flashing, L200 k1000, according to project (installed simultaneously with panels)
- ☐ 133. /EA1JV9/ Vertical joint flashing
- ☐ 255. /S5R48038/ Spike-fastener, concrete c/c600
- ☐ 265. /S3H55042WA4B/ Fastener, wood c/c600
- ☐ 300. /EA3SP___10/ Plinth sealing
- ☐ 312. /EAWS___/ Mineral wool

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Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA01-5E-EN
Drawn by Ruukki	Rev.		
Scale 1:2	Building		File nr.



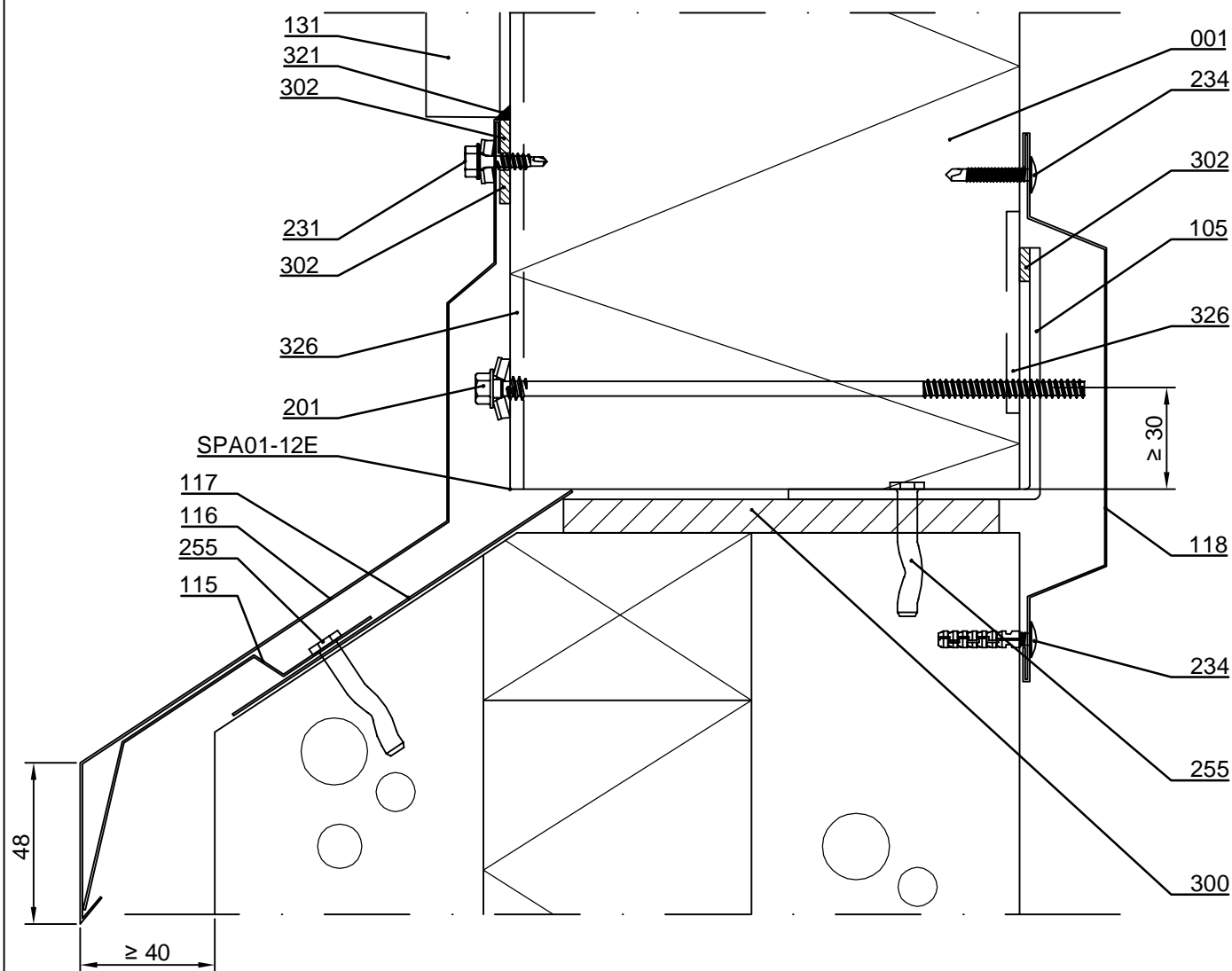
- ☐ 001. Sandwich panel SPA
- ☐ 100. /EA1W___/ Purlin
- ☐ 116. /EA1P5-___/ Plinth flashing
(can be installed after panel installation)
- ☐ 131. /EA1JV1/ Vertical joint flashing
- ☐ 231. Flashing fastener, washer with sealing
- ☐ 234. Flat head flashing fastener

- ☐ 255. /S5R48038/ Spike-fastener, concrete c/c600
- ☐ 265. /S3H55042WA4B/ Fastener, wood c/c600
- ☐ 300. /EA3SP___10/ Plinth sealing
- ☐ 302. /EA3SS410/ Sealing strip
- ☐ 312. /EAWS___/ Mineral wool
- ☐ 321. Ruukki sealant mastic

☒ Ruukki's delivery

Sandwich panel SPA, vertical- and diagonal installation Plinth, vertical section

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA01-6E-EN
Drawn by Ruukki	Rev.		
Scale 1:2	Building		File nr.



- ☐ 001. Sandwich panel SPA
- ☐ 105. /EA1L75/ Support L-purlin, (t=3mm)
- ☐ 115. Support flashing, L200 k1000, according to project (installed simultaneously with panels)
- ☐ 116. /EA1P5-___/Plinth flashing (can be installed after panel installation)
- ☐ 117. Cover flashing, according to project (installed simultaneously with panels)
- ☐ 118. Cover flashing, according to project
- ☐ 131. /EA1JV1/Vertical joint flashing
- ☐ 201. Self-drilling element screw, washer with sealing
- ☐ 231. Flashing fastener, washer with sealing
- ☐ 234. Flat head flashing fastener
- ☐ 255. /S5R48038/ Spike-fastener, concrete c/c600
- ☐ 300. /EA3SP___10/ Plinth sealing
- ☐ 302. /EA3SS410/ Sealing strip
- ☐ 321. Ruukki sealant mastic
- ☐ 325. Ruukki sealant mastic during inst. to outer female groove full length of panel and inner female groove 60 mm from panel end

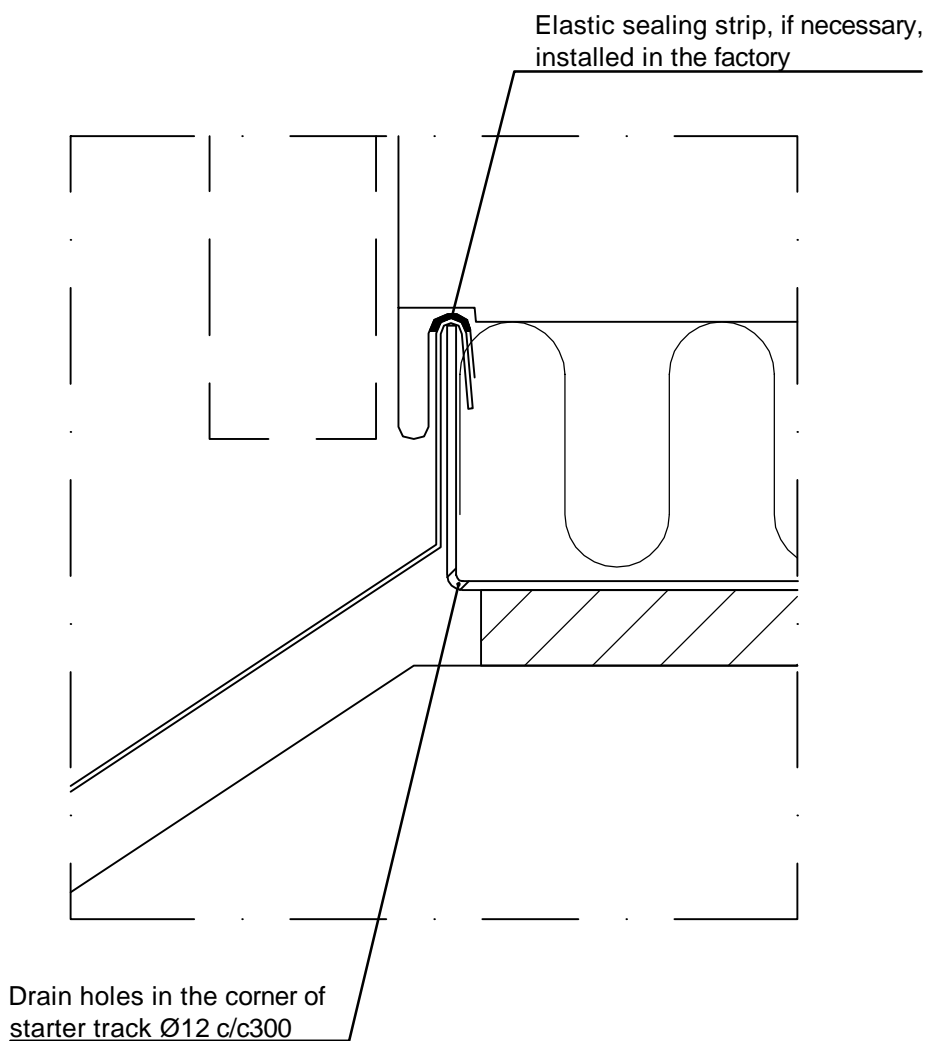
☒ Ruukki's delivery



Contents of drawing

Sandwich panel SPA, horizontal installation
Plinth, detail

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA01-7E-EN
Drawn by Ruukki	Rev.		
Scale 1:1	Building		File nr.

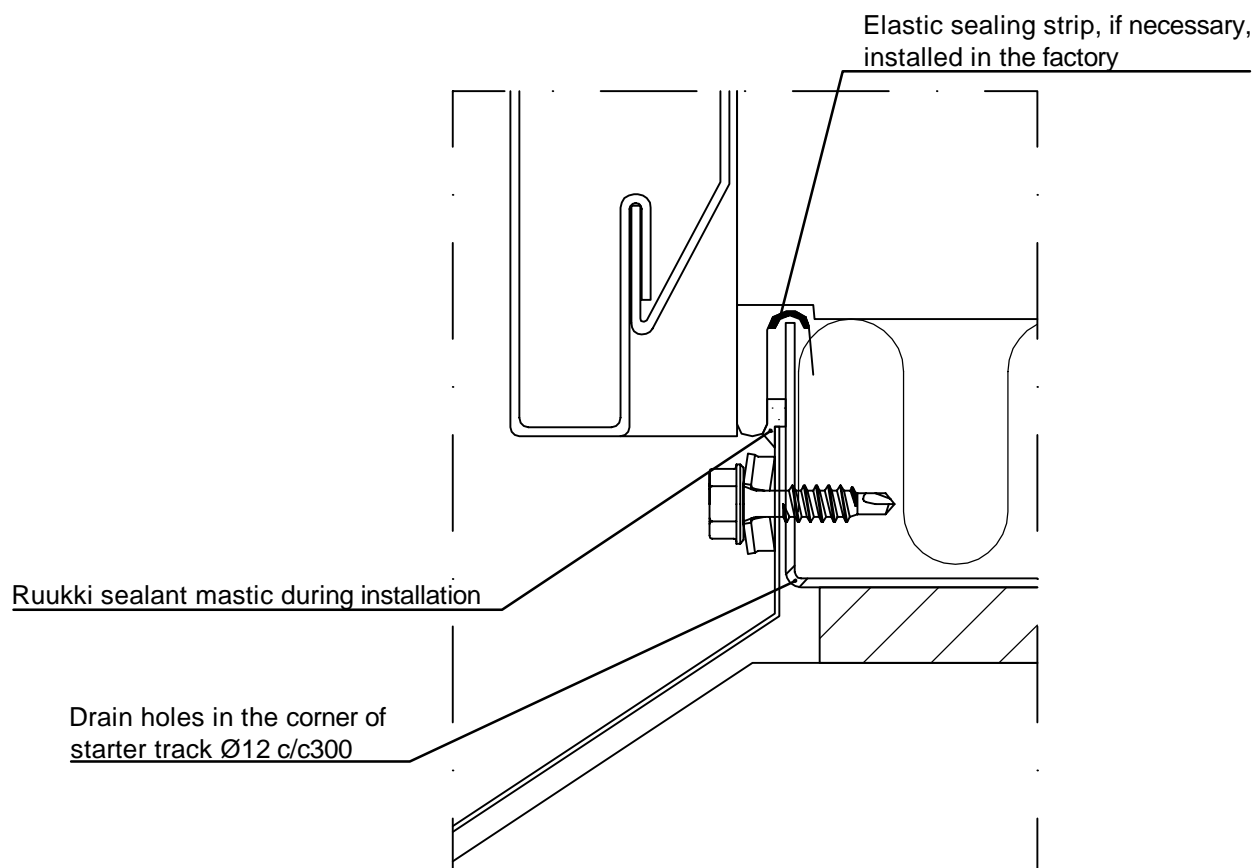




Contents of drawing

Sandwich panel SPA, horizontal installation
Plinth, detail

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA01-8E-EN
Drawn by Ruukki	Rev.		
Scale 1:1	Building		File nr.

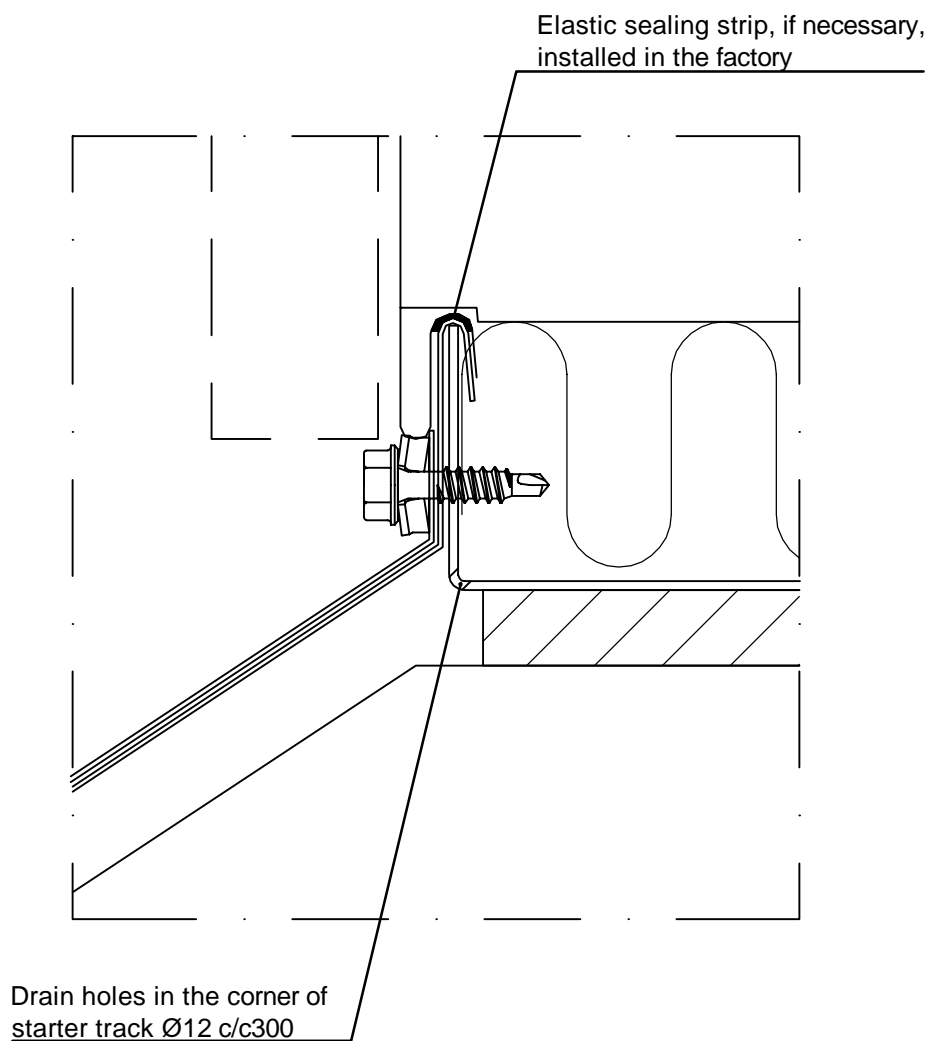




Contents of drawing

Sandwich panel SPA, horizontal installation
Plinth, detail

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA01-9E-EN
Drawn by Ruukki	Rev.		
Scale 1:1	Building	File nr.	





Contents of drawing

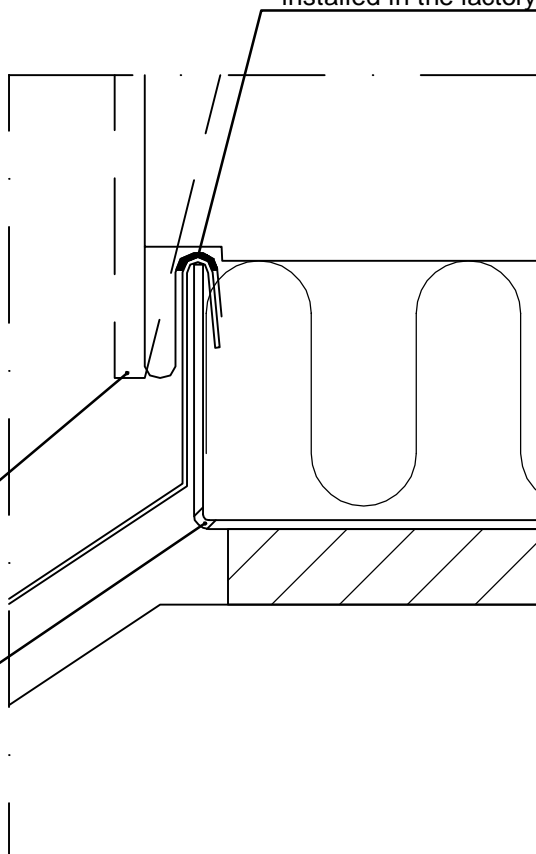
Sandwich panel SPA, horizontal installation
Plinth, detail

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA01-10E-EN
Drawn by Ruukki	Rev.		
Scale 1:1	Building		File nr.

Elastic sealing strip, if necessary,
installed in the factory

The vertical joint flashing must be cut,
folded and sealed so that a bottom lip is
created so that water cannot transfer
into the starter track

Drain holes in the corner of
starter track Ø12 c/c300



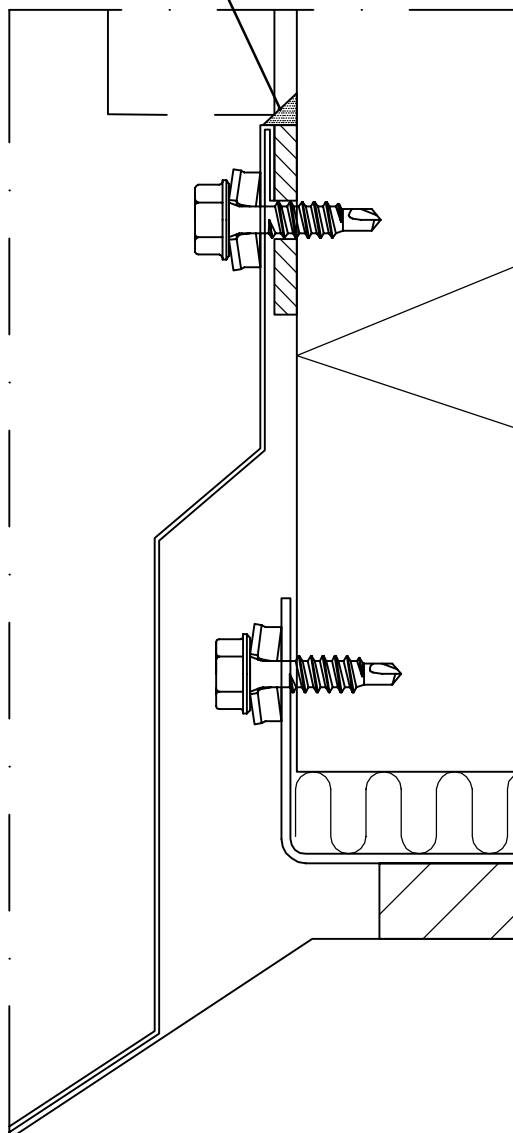


Contents of drawing

Sandwich panel SPA, horizontal installation
Plinth, detail

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA01-11E-EN
Drawn by Ruukki	Rev.		
Scale 1:1	Building		File nr.

Ruukki sealant mastic after installation





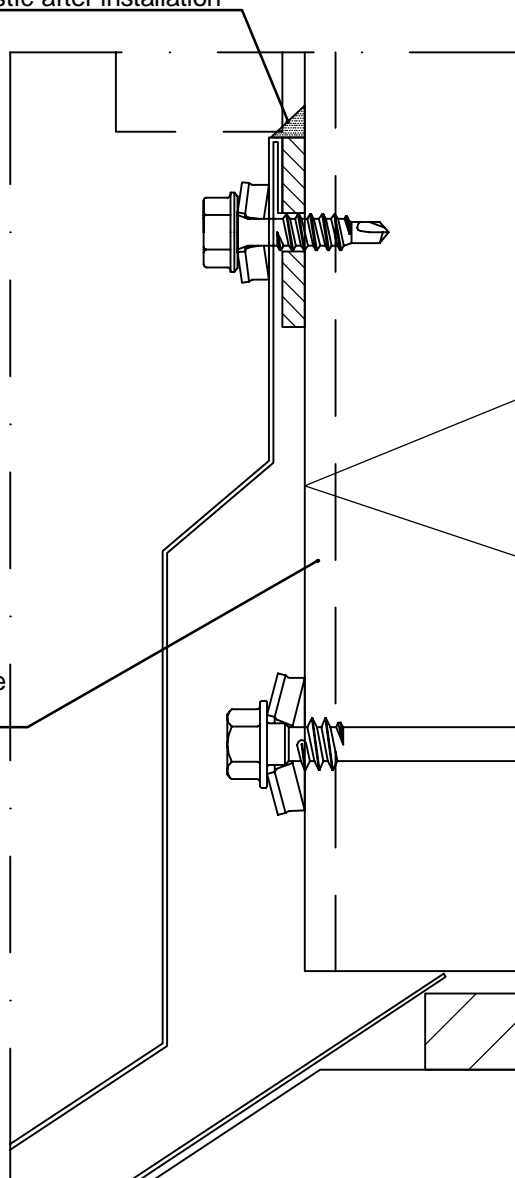
Contents of drawing

Sandwich panel SPA, vertical- and
diagonal installation
Plinth, detail

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA01-12E-EN
Drawn by Ruukki	Rev.		
Scale 1:1	Building	File nr.	

Ruukki sealant mastic after installation

Ruukki sealant mastic to outer female groove
during installation

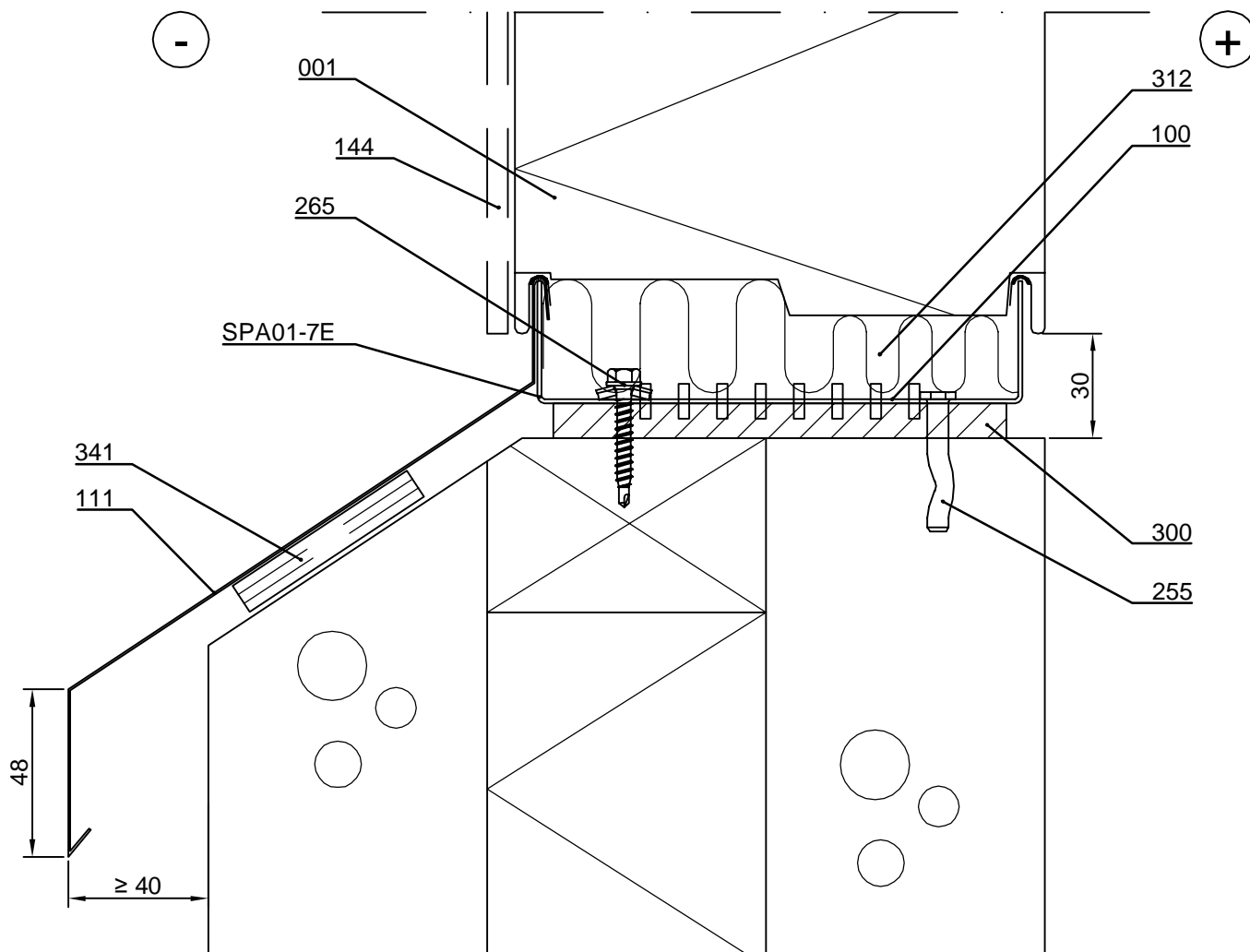




Contents of drawing

Sandwich panel SPA, horizontal installation
Plinth, vertical section
Invisible flashing

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA01-30E-EN
Drawn by Ruukki	Rev.		
Scale 1:2	Building		File nr.



- ☐ 001. Sandwich panel SPA
- ☐ 100. /EA1U___/ U-Plinth purlin
- ☐ 111. /EA1P3-___/ Plinth flashing (installed simultaneously with panels)
- ☐ 144. /EA1JVI/ Vertical joint flashing, Invisible
- ☐ 255. /S5R48038/ Spike-fastener, concrete c/c600 || or
- ☐ 265. /S3H55042WA4B/ Fastener, wood c/c600
- ☐ 300. /EA3SP___10/ Plinth sealing
- ☐ 312. /EAWS___/ Mineral wool
- ☐ 341. Plywood, if necessary

☒ Ruukki's delivery

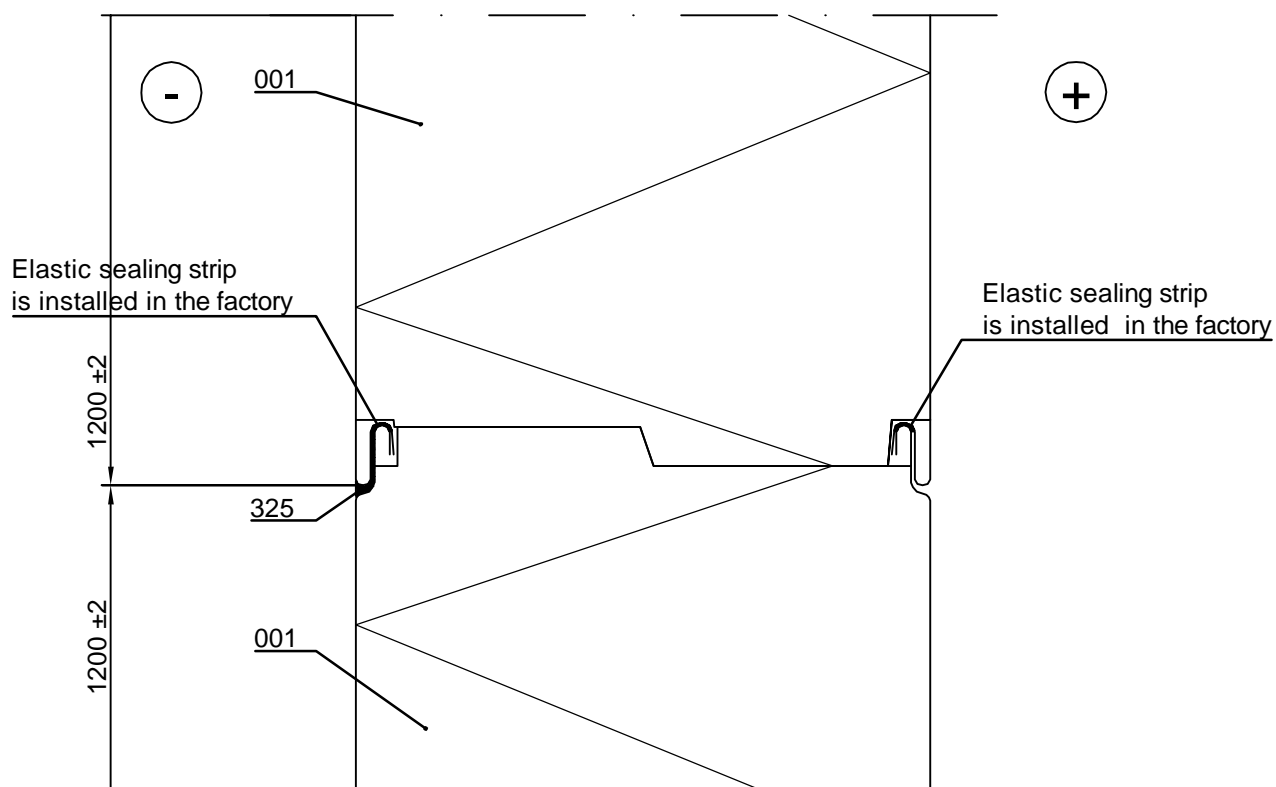
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Contents of drawing

Sandwich panel SPA, horizontal installation
Joint between panels, vertical section

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA02-1E-EN
Drawn by Ruukki	Rev.		
Scale 1:2	Building		File nr.



- ☐ 001. Sandwich panel SPA
- ☐ 325. Ruukki sealant mastic during installation to outer female groove
to length equivalent to vertical joint flashing width and inner female groove in length of sealing
- ☒ Ruukki's delivery

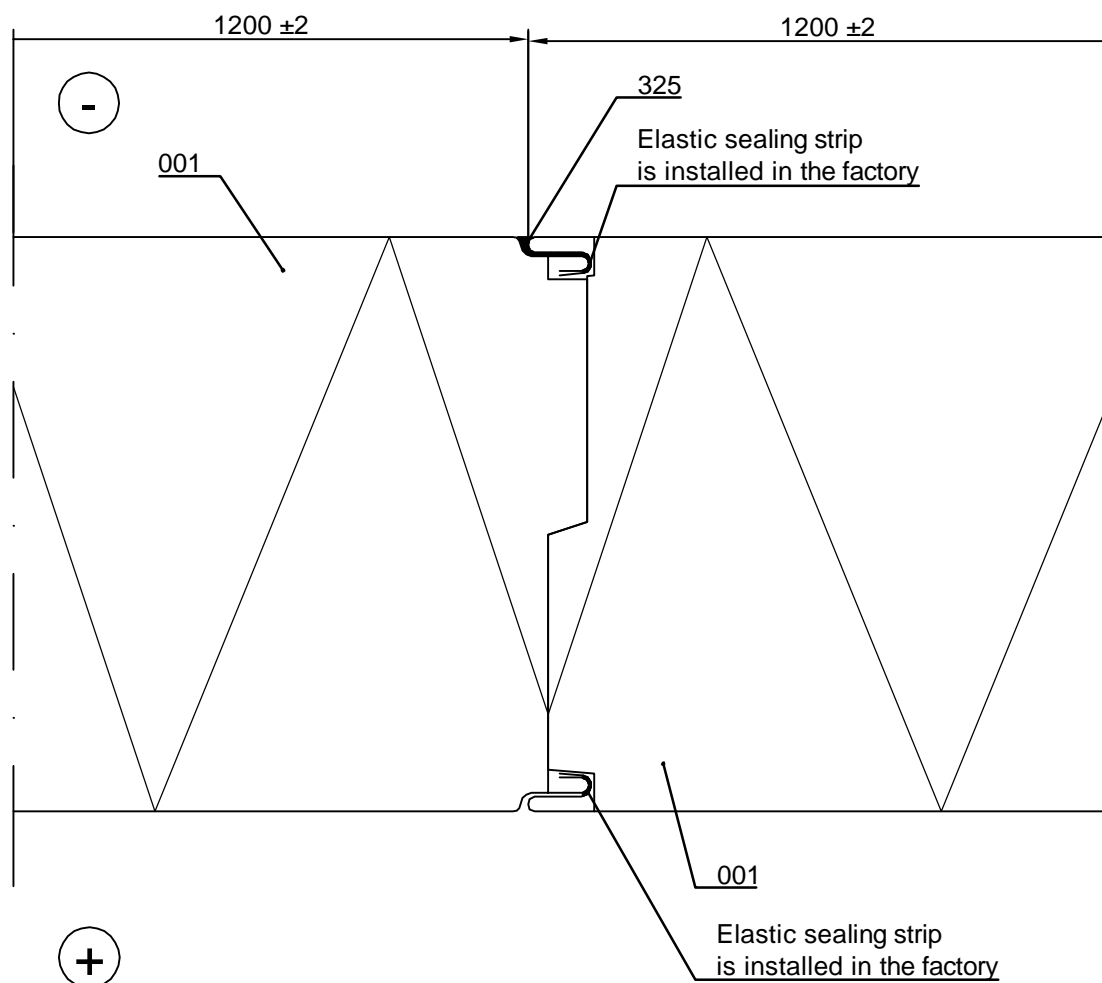
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Contents of drawing

Sandwich panel SPA, vertical- and
diagonal installation
Joint between panels, horizontal section

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA02-2E-EN
Drawn by Ruukki	Rev.		
Scale 1:2	Building		File nr.



- ☐ 001. Sandwich panel SPA
- ☐ 325. Ruukki sealant mastic during installation
to outer female groove in full length of panel and inner female groove 60 mm from panel end
- ☒ Ruukki's delivery

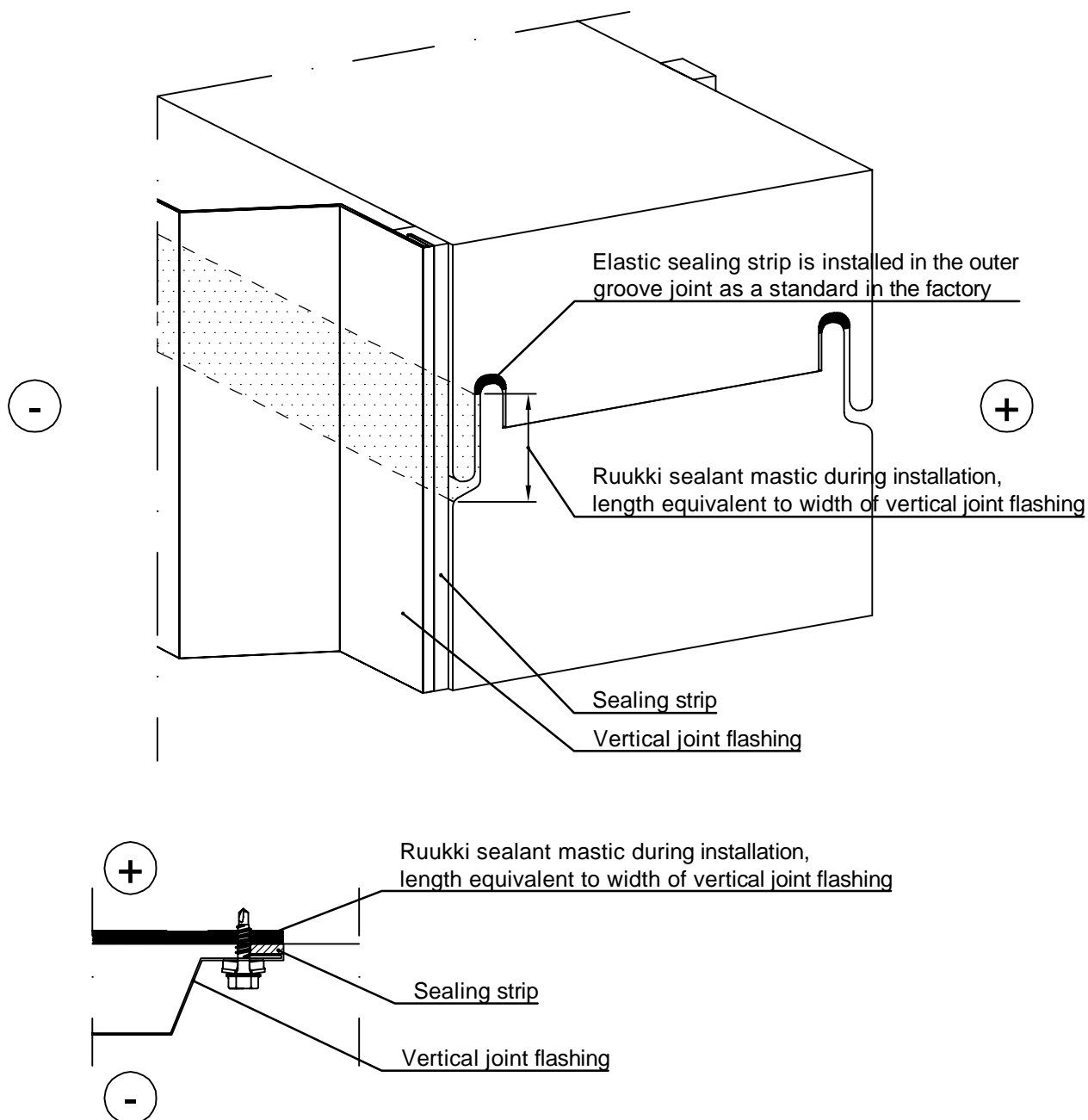
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Contents of drawing

Sandwich panel SPA,
horizontal, vertical- and diagonal installation
Joint between panels

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA02-3E-EN
Drawn by Ruukki	Rev.		
Scale 1:1	Building		File nr.



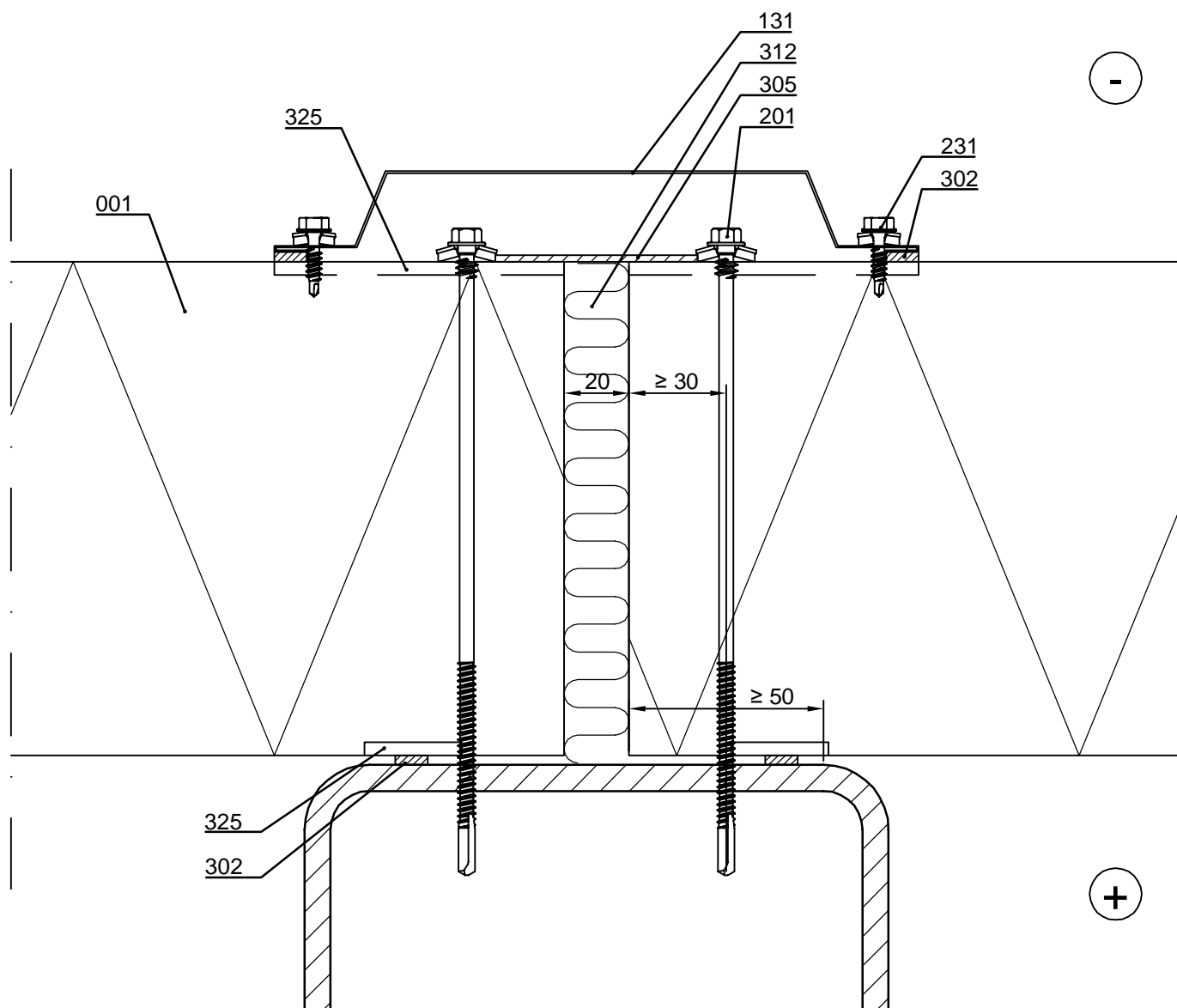
Horizontal installation:

Ruukki sealant mastic during installation to outer female groove. Length equivalent to width of vertical joint flashing. It is important that the groove is completely filled with sealant mastic, i.e. it must be applied before interlocking the joint.

Vertical installation:

Ruukki sealant mastic during installation to outer female groove in full length of panel and inner female groove 60 mm from panel end. It is important that the groove is completely filled with sealant mastic, i.e. it must be applied before interlocking the joint.

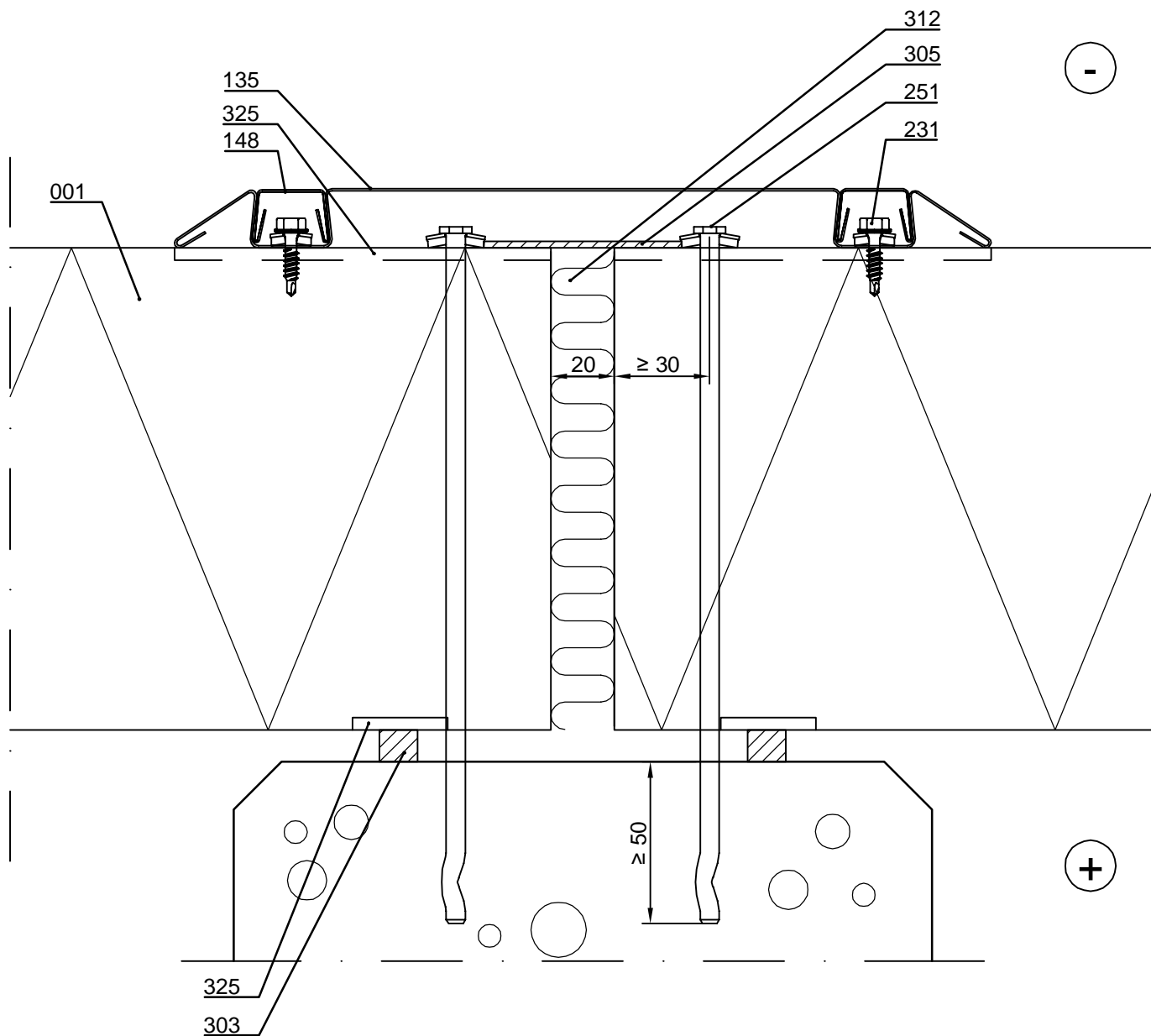
Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA03-1E-EN
Drawn by Ruukki	Rev.		
Scale 1:2	Building		File nr.



- ☐ 001. Sandwich panel SPA
- ☐ 131. /EA1JV1/ Vertical joint flashing
- ☐ 201. Self-drilling element screw, washer with sealing
- ☐ 231. Flashing fastener, washer with sealing
- ☐ 302. /EA3SS410/ Sealing strip
/EA3SS510/ Sealing band EPDM for flashing
(for demanding climate conditions e.g. coastal areas)
- ☐ 305. Ruukki Wind Joint Tape 75 mm
- ☐ 312. /EAWS___/ Mineral wool
- ☐ 325. Ruukki sealant mastic
during installation to outer female groove in length
equivalent to vertical joint flashing width and
inner female groove in length of sealing

☒ Ruukki's delivery

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA03-4E-EN
Drawn by Ruukki	Rev.		
Scale 1:2	Building		File nr.



- ☐ 001. Sandwich panel SPA
- ☐ 135. /EA1JV4/ Vertical joint flashing
- ☐ 148. /EA1VCO/ Vertical cover flashing
- ☐ 251. Spike panel fastener, washer with sealing
- ☐ 231. Flashing fastener, washer with sealing
- ☐ 303. /EA3SS1210/ Sealing strip
- ☐ 305. Ruukki Wind Joint Tape 75 mm
- ☐ 312. /EAWS___/ Mineral wool
- ☐ 325. Ruukki sealant mastic during installation to outer female groove in length equivalent to vertical joint flashing width and inner female groove in length of sealing

☒ Ruukki's delivery



Contents of drawing

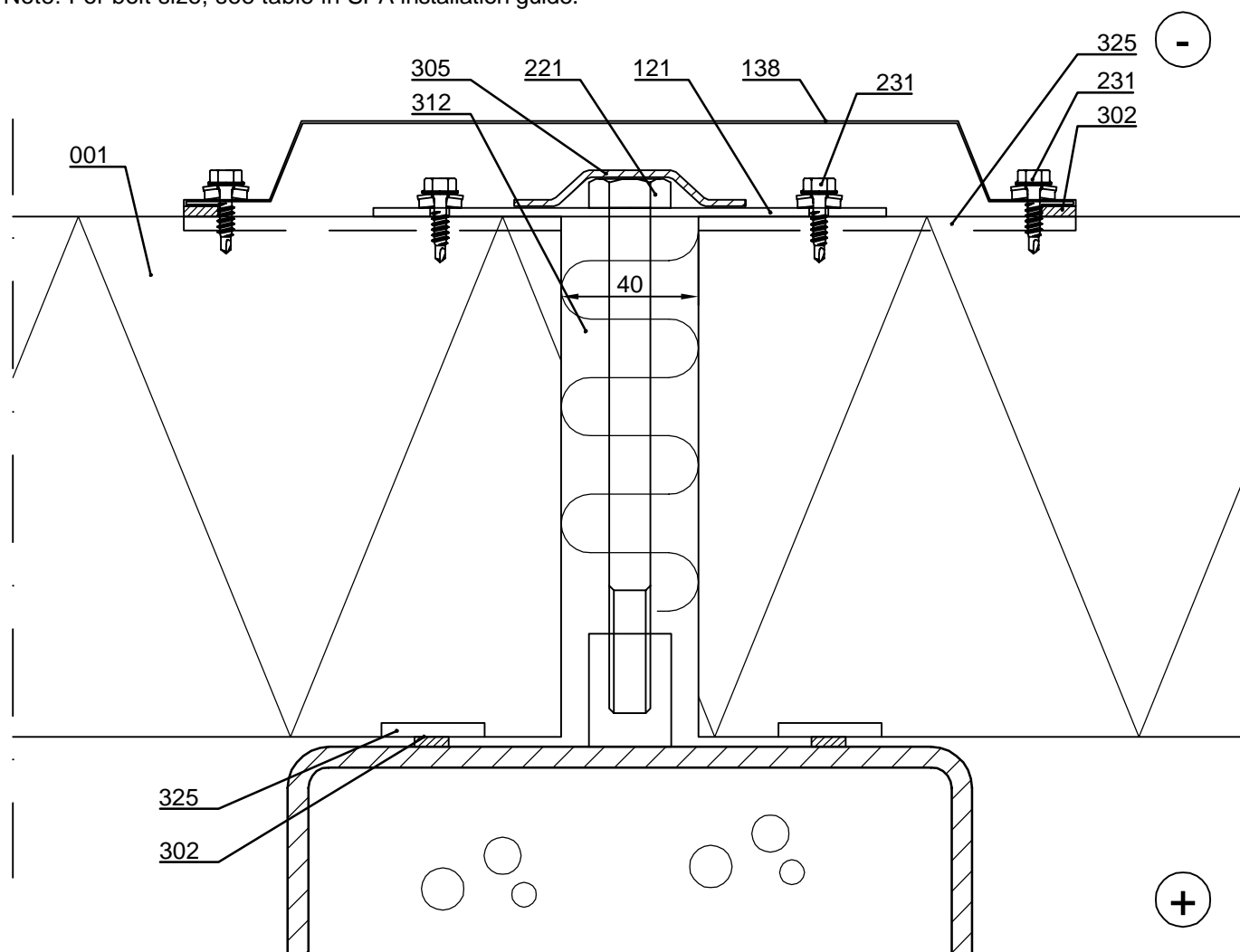
Sandwich panel SPA, horizontal installation
Vertical joint, horizontal section
Vemo fastening, option 6

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA03-6E-EN
Drawn by Ruukki	Rev.		
Scale 1:2	Building		File nr.

Note! The lowest and every 5th panel vertically and panels above an opening must be fixed to support by fasteners going through the panel.

Note! Concrete casting is made in the factory or for a construction site related reason made at site before the panel installation.

Note! For bolt size, see table in SPA installation guide.

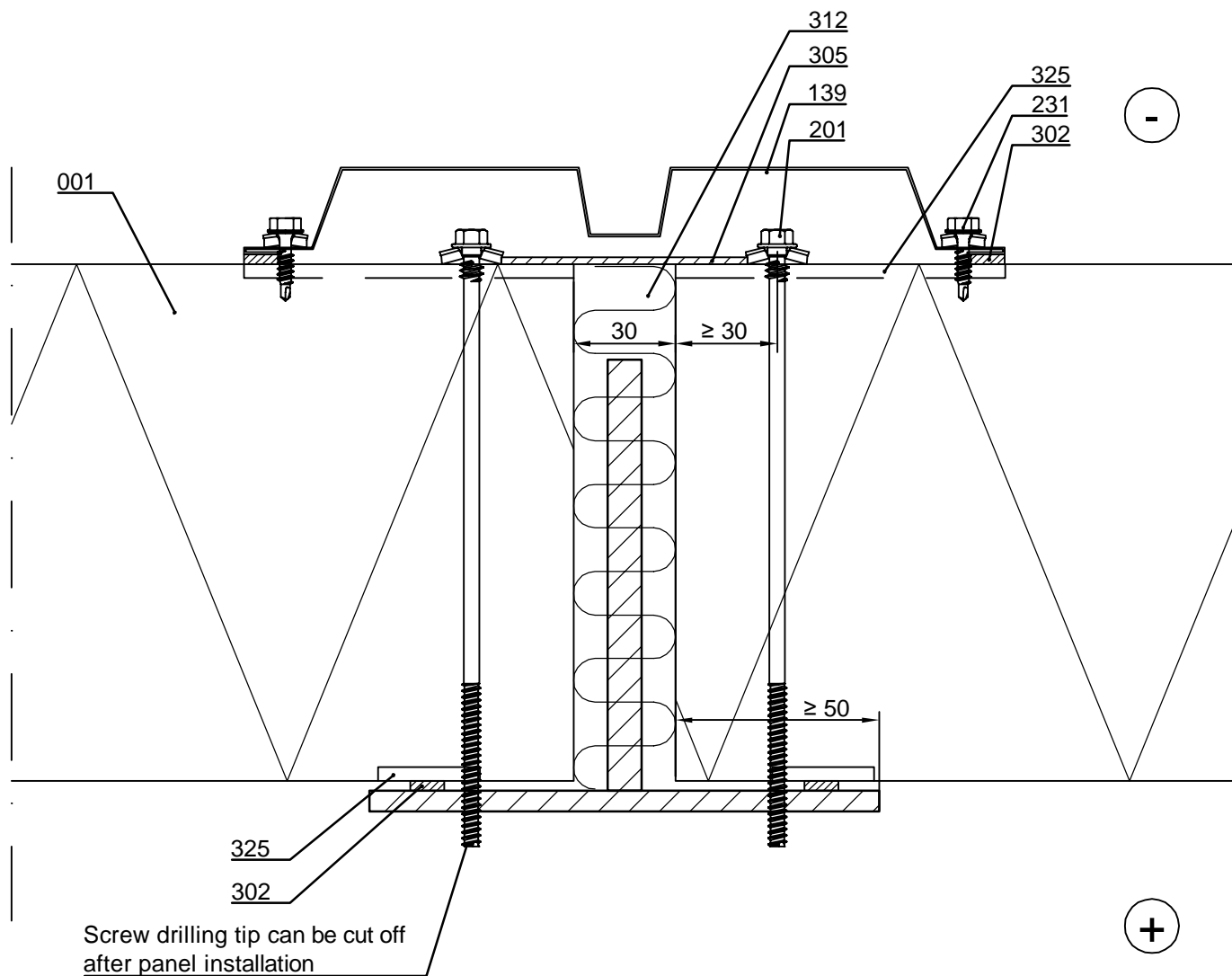


- | | |
|--|--|
| <input type="checkbox"/> 001. Sandwich panel SPA | <input type="checkbox"/> 305. Ruukki Wind Joint Tape 75 mm |
| <input type="checkbox"/> 121. /EA6FP_/ Fastening plate | <input type="checkbox"/> 312. /EAWS___/ Mineral wool |
| <input type="checkbox"/> 138. /EA1JV2/ Vertical joint flashing | <input type="checkbox"/> 325. Ruukki sealant mastic |
| <input type="checkbox"/> 221. Internal threaded socket and hex bolt | during installation to outer female groove in length |
| <input type="checkbox"/> 231. Flashing fastener, washer with sealing | equivalent to vertical joint flashing width and |
| <input type="checkbox"/> 302. /EA3SS410/ Sealing strip | inner female groove in length of sealing |
| /EA3SS510/ Sealing band EPDM for flashing | |
| (for demanding climate conditions e.g. coastal areas) | |

☒ Ruukki's delivery

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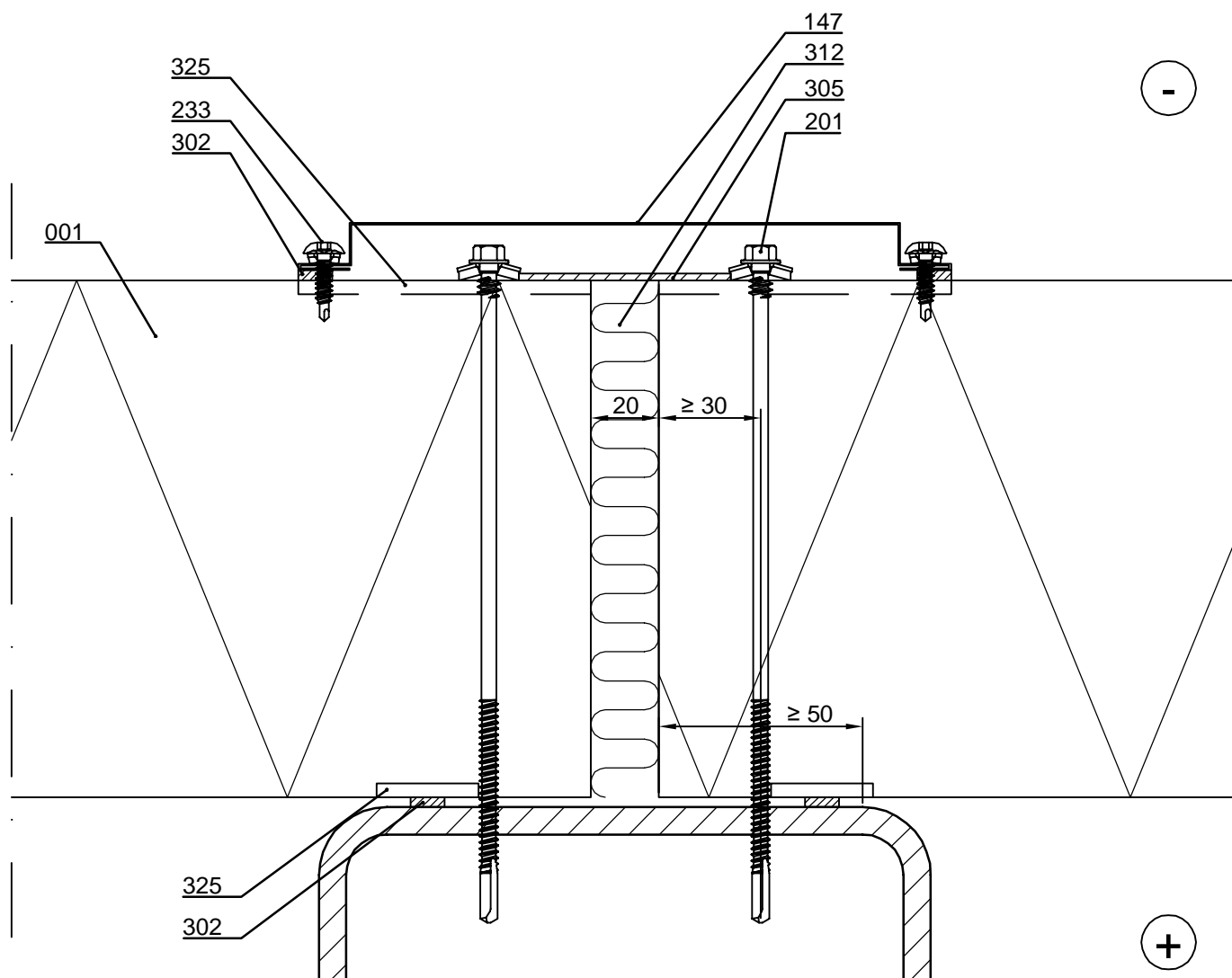
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Drawn by Ruukki	Rev.		
Scale 1:2	Building		File nr.



- ☐ 001. Sandwich panel SPA
- ☐ 139. /EA1JV3/ Vertical joint flashing
- ☐ 201. Self-drilling element screw, washer with sealing
- ☐ 231. Flashing fastener, washer with sealing
- ☐ 302. /EA3SS410/ Sealing strip
/EA3SS510/ Sealing band EPDM for flashing
(for demanding climate conditions e.g. coastal areas)
- ☐ 305. Ruukki Wind Joint Tape 75 mm
- ☐ 312. /EAWS___/ Mineral wool
- ☐ 325. Ruukki sealant mastic
during installation to outer female groove in length
equivalent to vertical joint flashing width and
inner female groove in length of sealing

☒ Ruukki's delivery

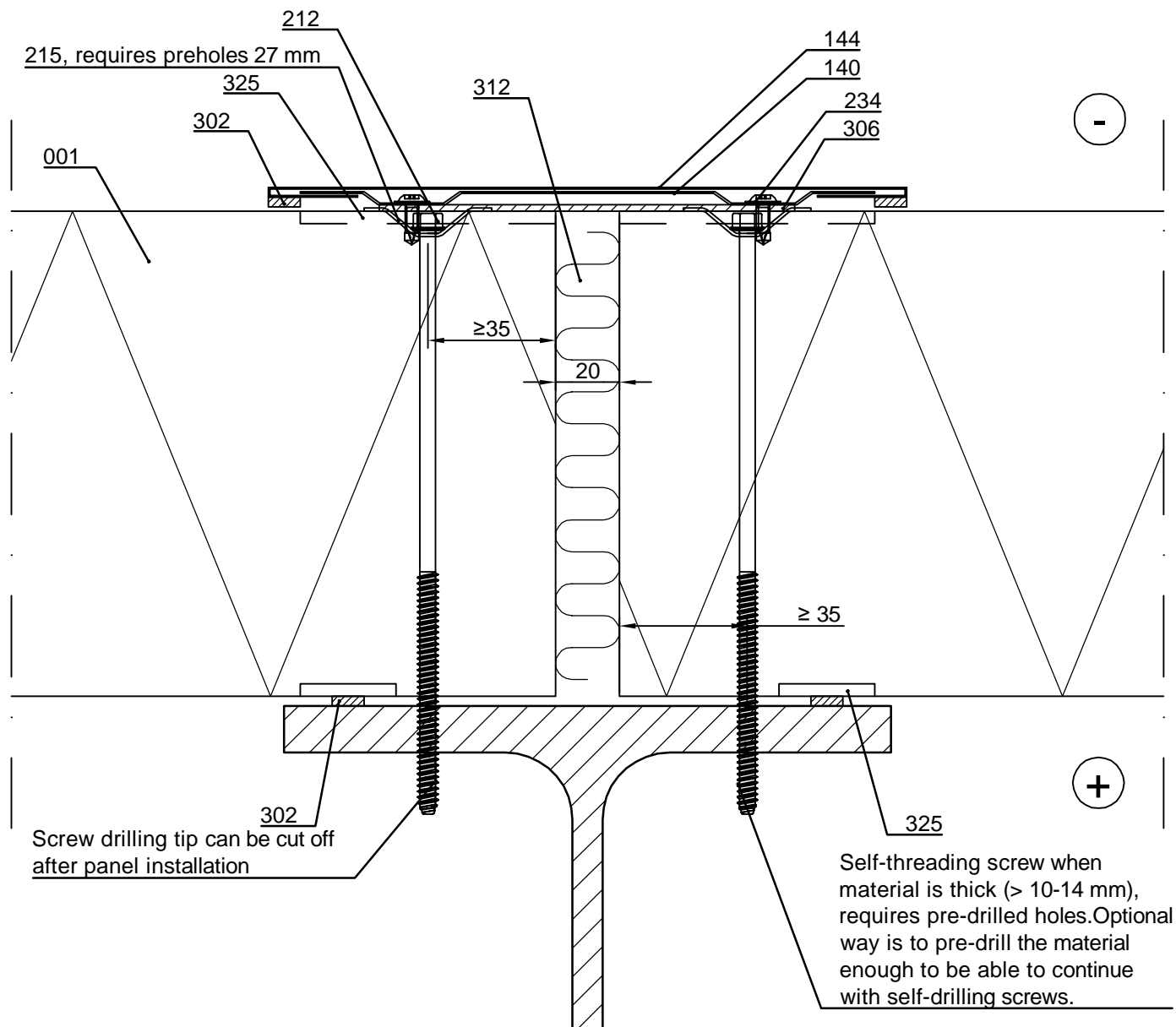
Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA03-8E-EN
Drawn by Ruukki	Rev.		
Scale 1:2	Building		File nr.



- ☐ 001. Sandwich panel SPA
- ☐ 147. /EA1JVM/ Vertical joint flashing module
- ☐ 201. Self-drilling element screw, washer with sealing
- ☐ 233. /S1T48020L02A0RR___/ Flashing fastener
- ☐ 302. /EA3SS410/ Sealing strip
/EA3SS510/ Sealing band EPDM for flashing
(for demanding climate conditions e.g. coastal areas)
- ☐ 305. Ruukki Wind Joint Tape 75 mm
- ☐ 312. /EAWS___/ Mineral wool
- ☐ 325. Ruukki sealant mastic
during installation to outer female groove in length
equivalent to vertical joint flashing width and
inner female groove in length of sealing

☒ Ruukki's delivery

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA03-30E-EN
Drawn by Ruukki	Rev.		
Scale 1:2	Building		File nr.



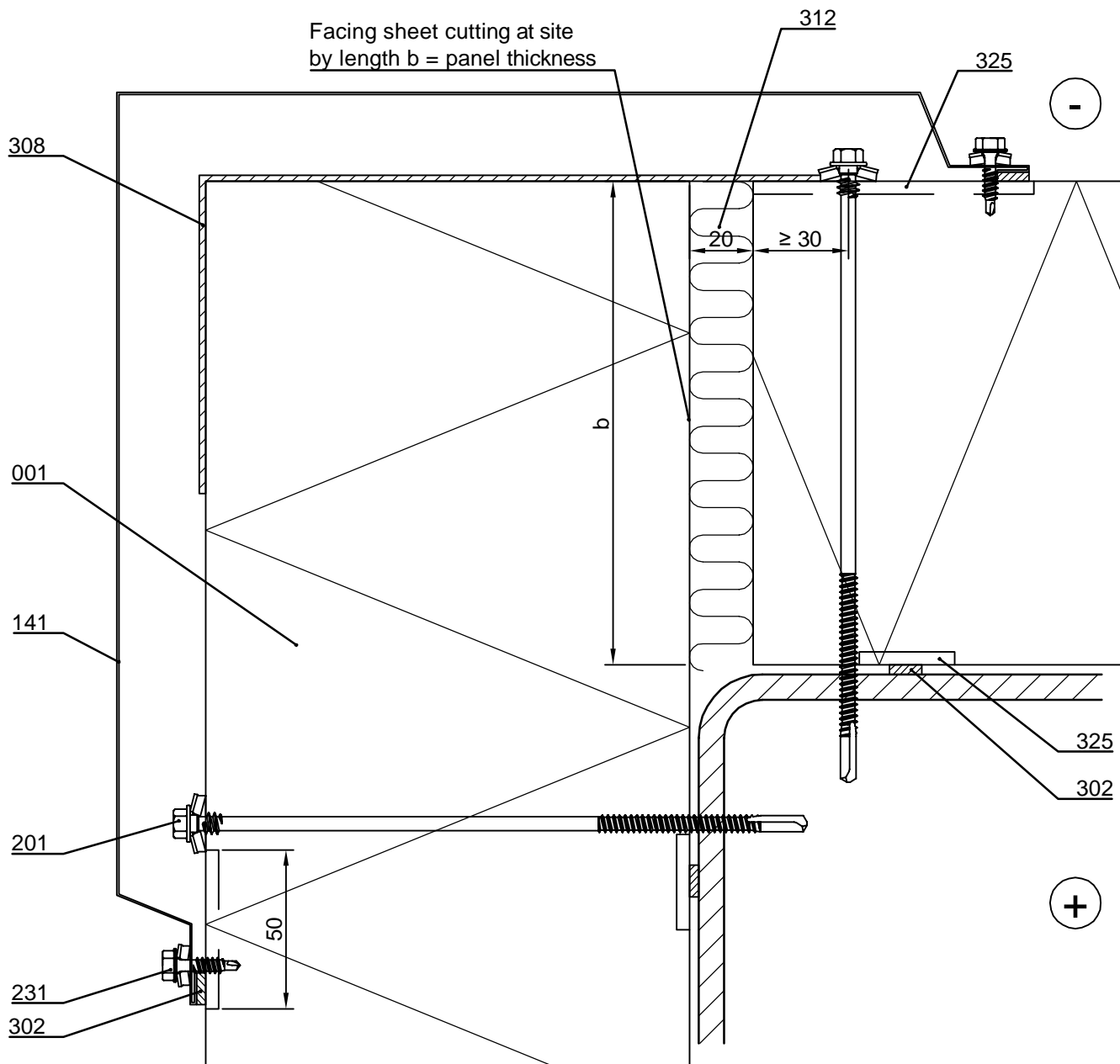
- ☐ 001. Sandwich panel SPA
- ☐ 140. /EA1JVB4/ Vertical bottom flashing Invisible
- ☐ 144. /EA1JVI/ Vertical joint flashing Invisible
- ☐ 212. Self-threading element screw, without washer
- ☐ 215. /EA2W40-910S/ Countersink washer
- ☐ 234. Flat head flashing fastener
- ☐ 302. /EA3SS410/ Sealing strip
/EA3SS510/ Sealing band EPDM for flashing
(for demanding climate conditions e.g. coastal areas)

- ☐ 306. Ruukki Wind Joint Tape 150 mm
- ☐ 312. /EAWS___/ Mineral wool
- ☐ 325. Ruukki sealant mastic during installation to outer female groove in length equivalent to vertical joint flashing width and inner female groove in length of sealing

☒ Ruukki's delivery

Sandwich panel SPA, horizontal installation
External corner, horizontal section
Rectangle hollow section column, option 1

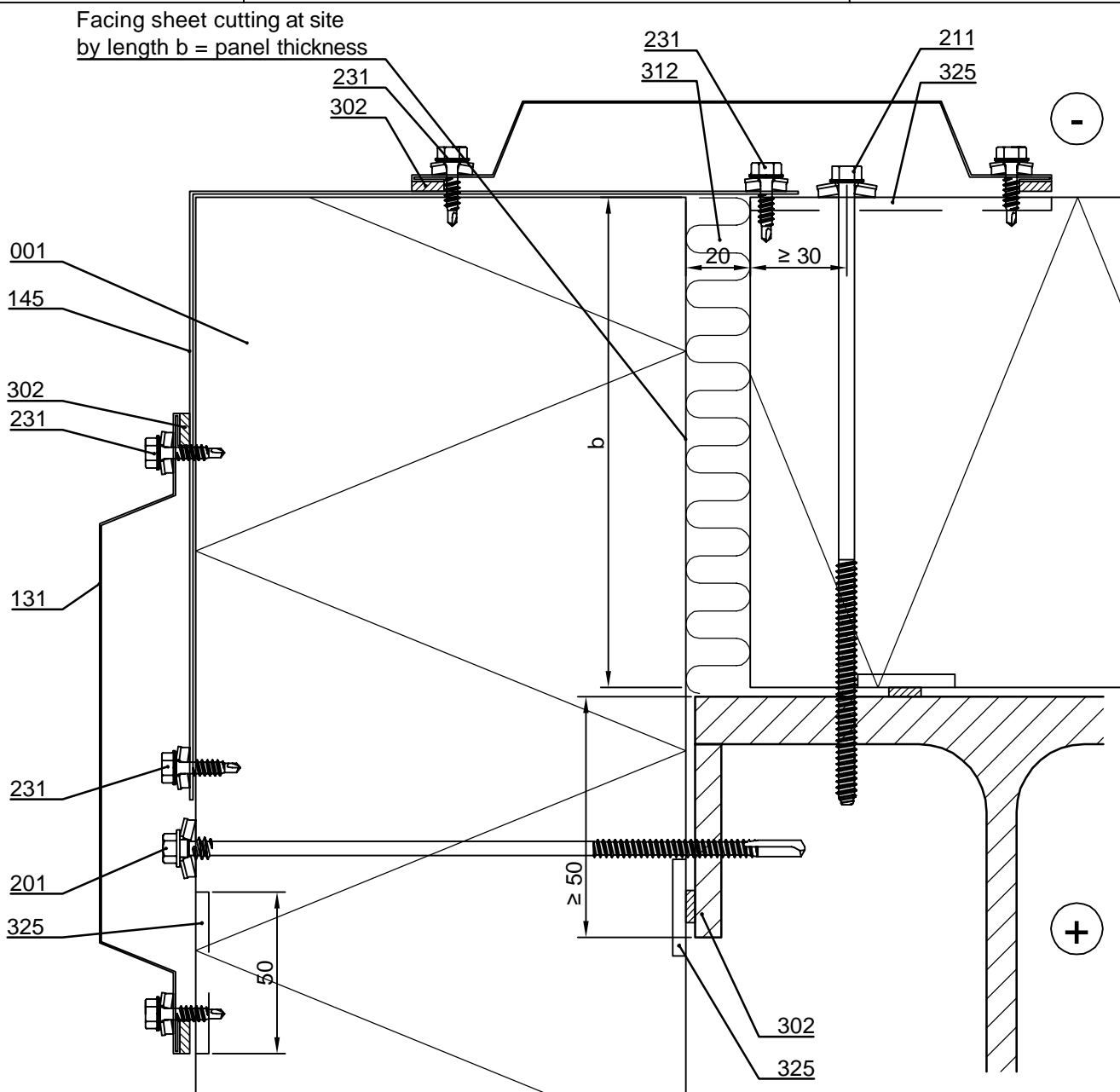
Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA04-1E-EN
Drawn by Ruukki	Rev.		
Scale 1:2	Building		File nr.



- ☐ 001. Sandwich panel SPA
- ☐ 141. /EA1EC1-3/ External corner flashing, recommended panel thickness ≤ 150 mm
- ☐ 201. Self-drilling element screw, washer with sealing
- ☐ 231. Flashing fastener, washer with sealing
- ☐ 302. /EA3SS410/ Sealing strip
/EA3SS510/ Sealing band EPDM for flashing (for demanding climate conditions e.g. coastal areas)
- ☐ 308. Ruukki Wind Joint Tape 300 / 370 mm
- ☐ 312. /EAWS___/ Mineral wool
- ☐ 325. Ruukki sealant mastic during installation to outer female groove in length equivalent to vertical joint flashing width and inner female groove in length of sealing

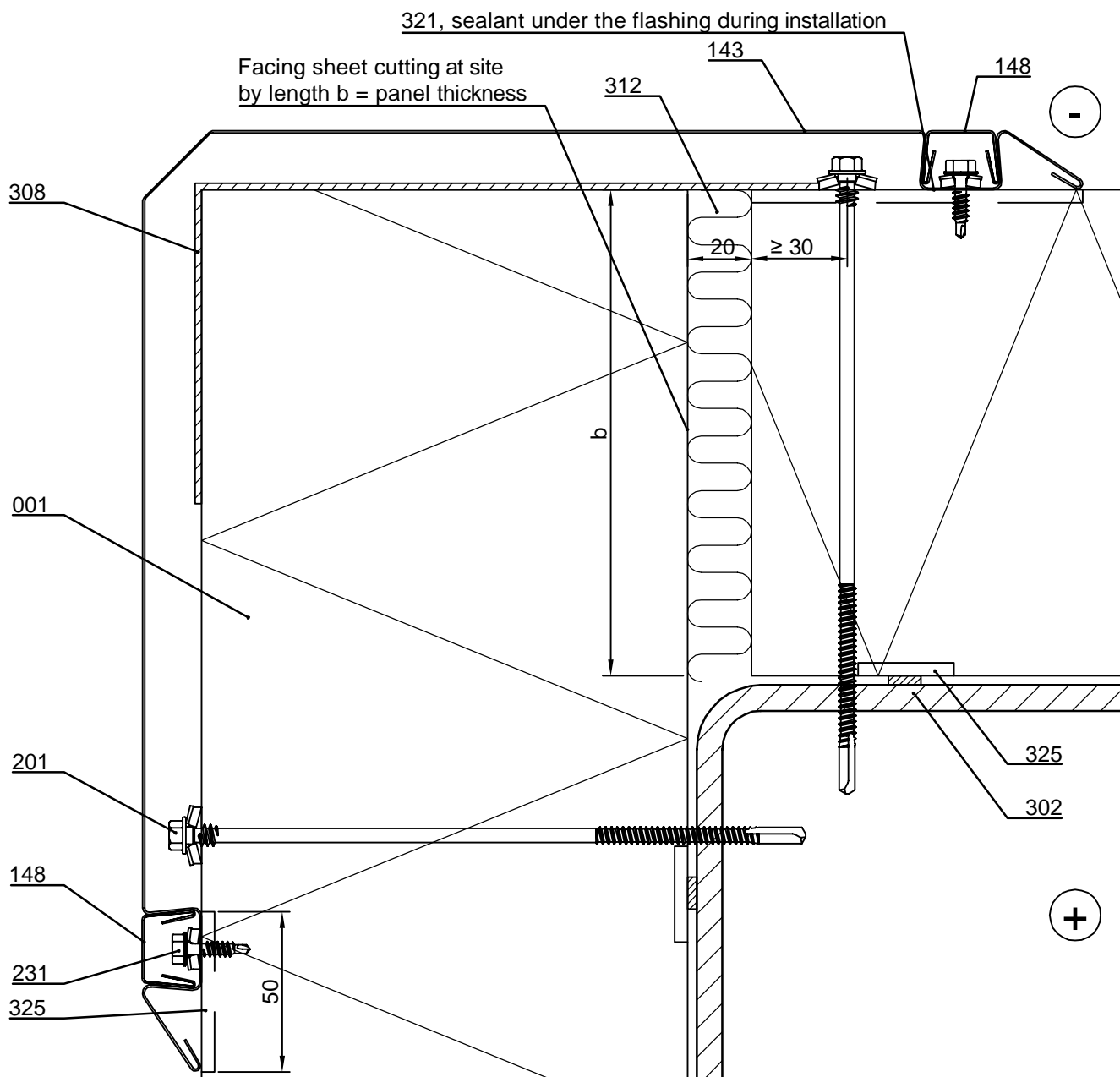
☒ Ruukki's delivery

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA04-2E-EN
Drawn by Ruukki	Rev.		
Scale 1:2	Building		File nr.



- ☐ 001. Sandwich panel SPA
- ☐ 131. /EA1JV1/ Vertical joint flashing
- ☐ 145. /EA1EC10-___/ External corner flashing, (limited range of colours)
- ☐ 201. Self-drilling element screw, washer with sealing
- ☐ 211. Self-threading element screw, washer with sealing
- ☐ 231. Flashing fastener, washer with sealing
- ☒ Ruukki's delivery
- ☐ 302. /EA3SS410/ Sealing strip
/EA3SS510/ Sealing band EPDM for flashing (for demanding climate conditions e.g. coastal areas)
- ☐ 312. /EAWS___/ Mineral wool
- ☐ 325. Ruukki sealant mastic
- ☐ during installation to outer female groove in length equivalent to vertical joint flashing width and inner female groove in length of sealing

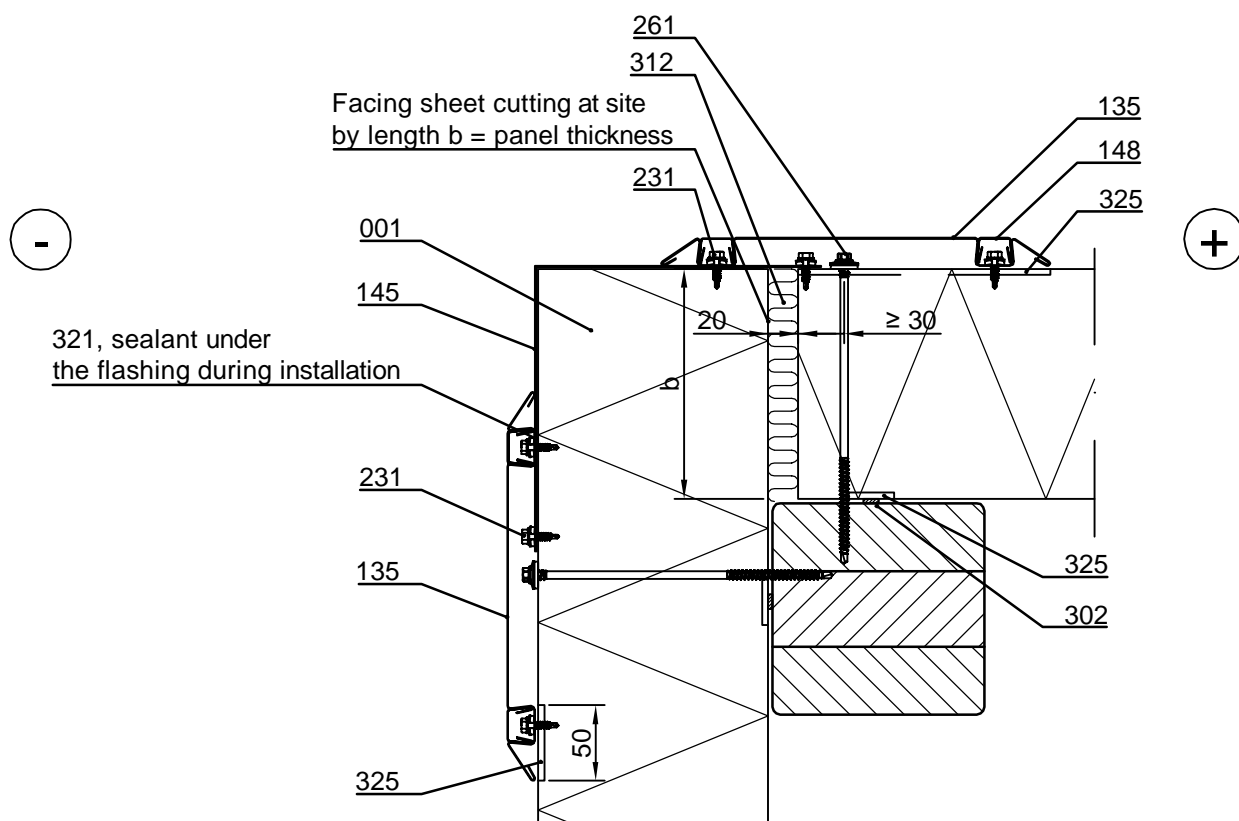
Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA04-4E-EN
Drawn by Ruukki	Rev.		
Scale 1:2	Building		File nr.



- | | |
|--|--|
| <input type="checkbox"/> 001. Sandwich panel SPA | <input type="checkbox"/> 308. Ruukki Wind Joint Tape 300 / 370 mm |
| <input type="checkbox"/> 143. /EA1EC5/ External corner flashing,
recommended panel thickness ≤ 150 mm | <input type="checkbox"/> 312. /EAWS___/ Mineral wool |
| <input type="checkbox"/> 148. /EA1VCO/ Vertical cover flashing | <input type="checkbox"/> 321. Ruukki sealant mastic |
| <input type="checkbox"/> 201. Self-drilling element screw, washer with sealing | <input type="checkbox"/> 325. Ruukki sealant mastic
during installation to outer female groove in length
equivalent to vertical joint flashing width and
inner female groove in length of sealing |
| <input type="checkbox"/> 231. Flashing fastener, washer with sealing | |
| <input type="checkbox"/> 302. /EA3SS410/ Sealing strip
/EA3SS510/ Sealing band EPDM for flashing
(for demanding climate conditions e.g. coastal areas) | |

☒ Ruukki's delivery

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA04-5E-EN
Drawn by Ruukki	Rev.		
Scale 1:5	Building		File nr.



- ☐ 001. Sandwich panel SPA
- ☐ 135. /EA1JV4/ Vertical joint flashing
- ☐ 145. /EA1C10-___/ Vertical joint flashing, t = 1 mm / 1.2 mm (limited range of colours)
- ☐ 148. /EA1VCO/ Vertical cover flashing
- ☐ 261. Self-drilling element screw to wood, washer with sealing
- ☐ 231. Flashing fastener, washer with sealing
- ☐ 302. /EA3SS410/ Sealing strip
/EA3SS510/ Sealing band EPDM for flashing
(for demanding climate conditions e.g. coastal areas)
- ☐ 312. /EAWS___/ Mineral wool
- ☐ 321. Ruukki sealant mastic
- ☐ 325. Ruukki sealant mastic
during installation to outer female groove in length equivalent to vertical joint flashing width
and inner female groove in length of sealing

☒ Ruukki's delivery



Contents of drawing

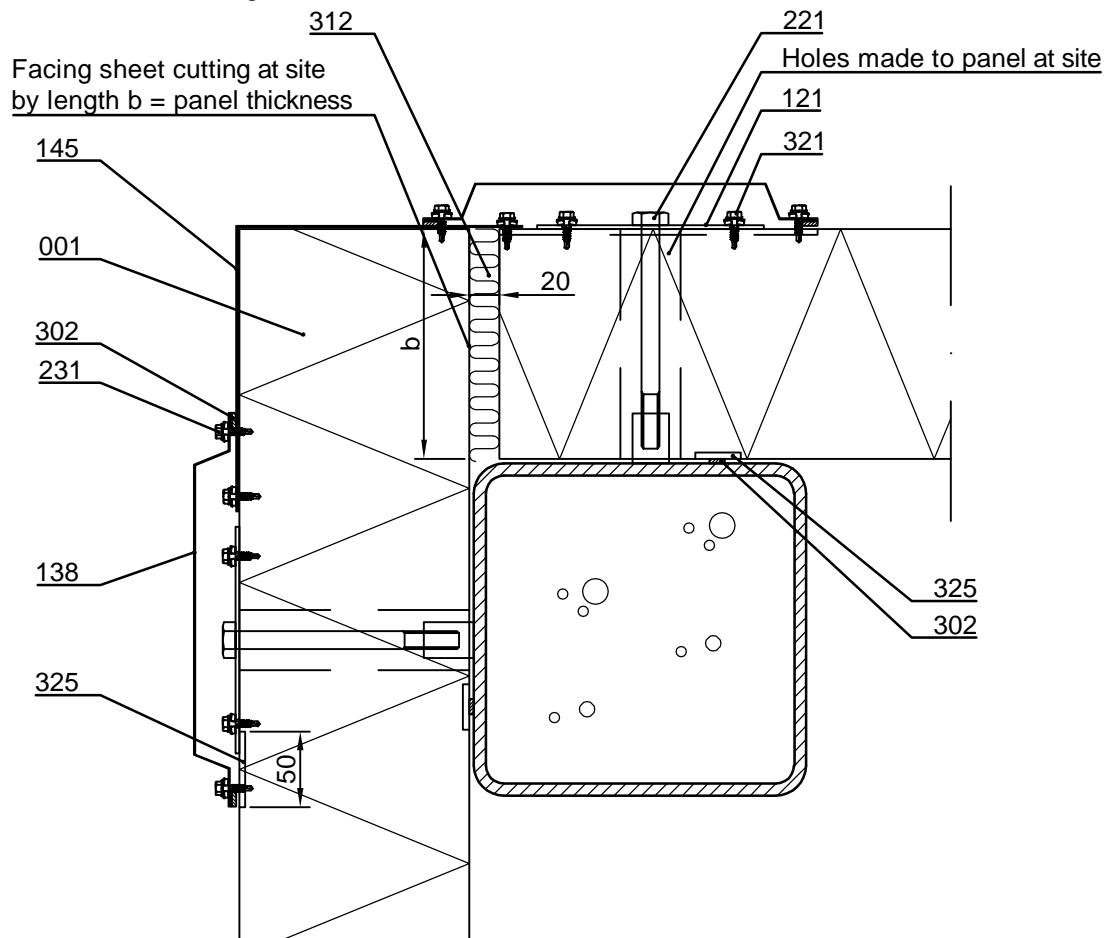
Sandwich panel SPA, horizontal installation
External corner, horizontal section
Concrete filled column, option 6

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA04-6E-EN
Drawn by Ruukki	Rev.		
Scale 1:5	Building		File nr.

Note! The lowest and every 5th panel vertically and panels above an opening must be fixed to support by fasteners going through the panel.

Note! Concrete casting is made in the factory or for a construction site related reason made at site before the panel installation.

Note! For bolt size, see SPA installation guide

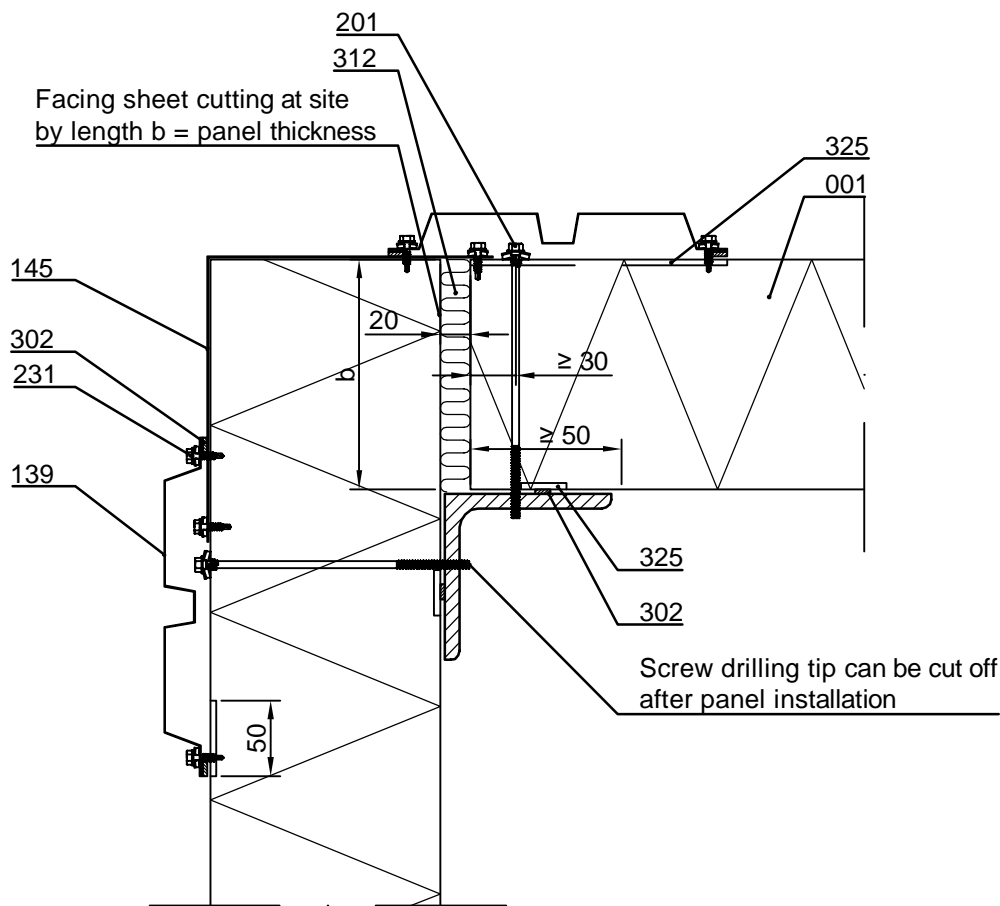


- ☐ 001. Sandwich panel SPA
- ☐ 121. /EA6FP_/ Fastening plate
- ☐ 138. /EA1JV2/ Vertical joint flashing
- ☐ 145. /EA1C10-___/ External corner flashing, t = 1 mm / 1.2 mm (limited range of colours)
- ☐ 221. Internal threaded socket and hex bolt
- ☐ 231. Flashing fastener, washer with sealing
- ☐ 302. /EA3SS410/ Sealing strip
/EA3SS510/ Sealing band EPDM for flashing
(for demanding climate conditions e.g. coastal areas)
- ☐ 312. /EAWS___/ Mineral wool
- ☐ 325. Ruukki sealant mastic
during installation to outer female groove in length equivalent to vertical joint flashing width
and inner female groove in length of sealing

☒ Ruukki's delivery

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Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA04-9E-EN
Drawn by Ruukki	Rev.		
Scale 1:5	Building		File nr.



Secondary steel supports for panels according to structural designer.

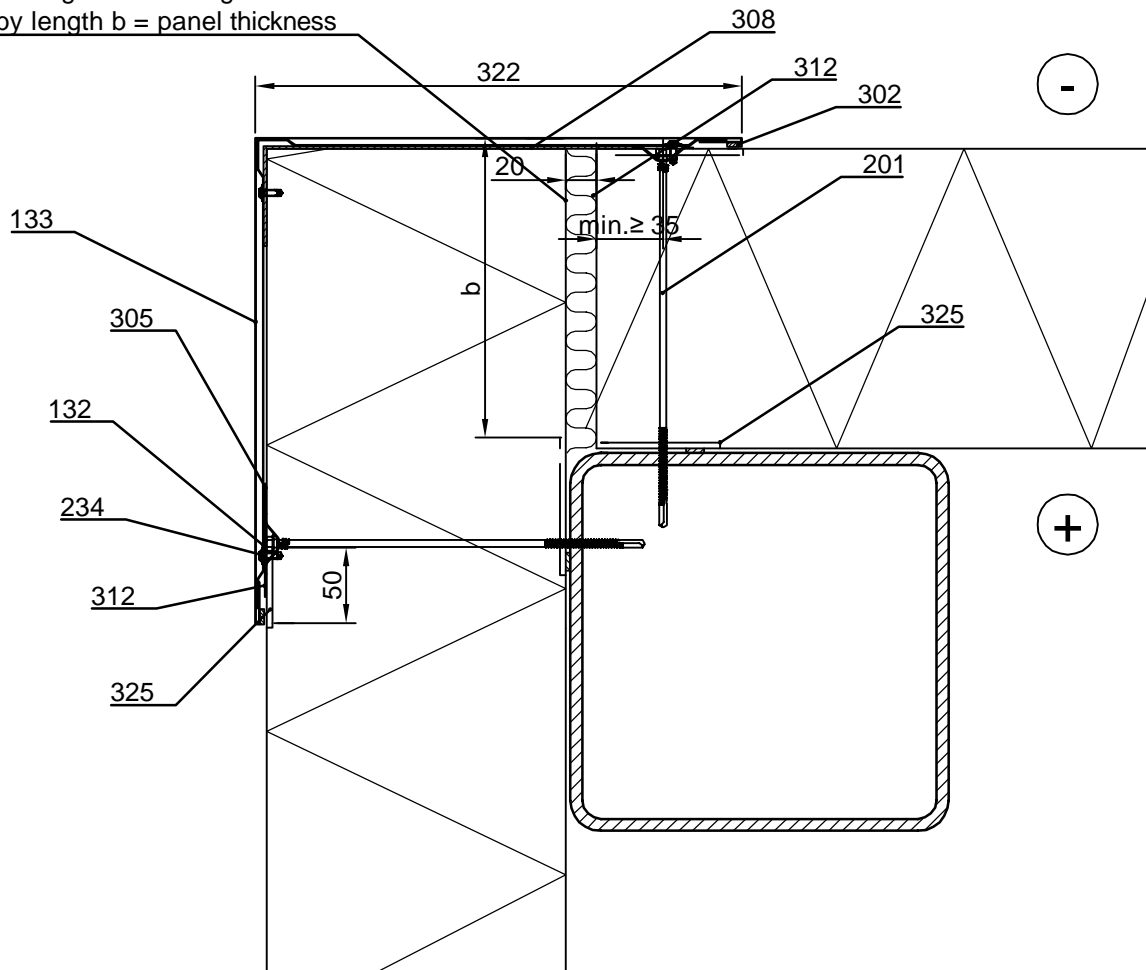
The structures on the side of the roof are displayed in the parapet details.

- ☐ 001. Sandwich panel SPA
- ☐ 139. /EA1JV3/ Vertical joint flashing
- ☐ 145. /EA1C10-___/ Vertical joint flashing, t = 1 mm / 1.2 mm (limited range of colours)
- ☐ 201. Self-drilling element screw, washer with sealing
- ☐ 231. Flashing fastener, washer with sealing
- ☐ 302. /EA3SS410/ Sealing strip
/EA3SS510/ Sealing band EPDM for flashing
(for demanding climate conditions e.g. coastal areas)
- ☐ 312. /EAWS___/ Mineral wool
- ☐ 325. Ruukki sealant mastic
during installation to outer female groove in length equivalent to vertical joint flashing width
and inner female groove in length of sealing

☒ Ruukki's delivery

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA04-30E-EN
Drawn by Ruukki	Rev.		
Scale 1:5	Building		File nr.

Facing sheet cutting at site
by length b = panel thickness

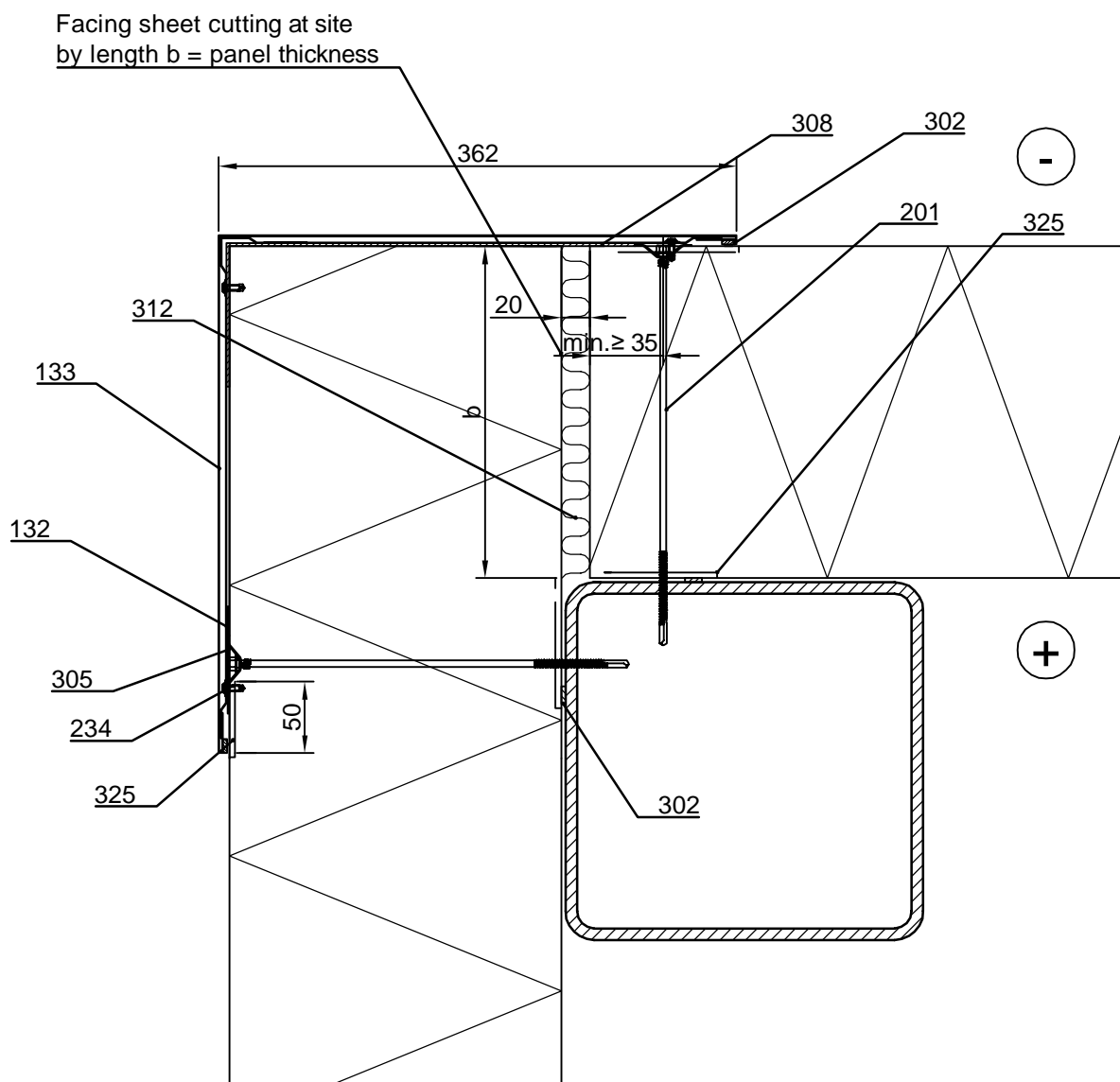


- ☐ 001. Sandwich panel SPA
- ☐ 132. /EA1EXB4/ Corner bottom flashing Invisible
- ☐ 133. /EA1ECI/ External corner flashing Invisible
- ☐ 201. Self-drilling element screw, without washer
- ☐ 215. /EA2W40-910S/ Countersink washer
- ☐ 234. Flat head flashing fastener
- ☐ 302. /EA3SS410/ Sealing strip
/EA3SS510/ Sealing band EPDM for flashing
(for demanding climate conditions e.g. coastal areas)

- ☐ 305. Ruukki Wind Joint Tape 75 mm
- ☐ 308. Ruukki Wind Joint Tape 300 / 370 mm
- ☐ 312. /EAWS___/ Mineral wool
- ☐ 325. Ruukki sealant mastic
during installation to outer female groove in length
equivalent to vertical joint flashing width and
inner female groove in length of sealing

☒ Ruukki's delivery

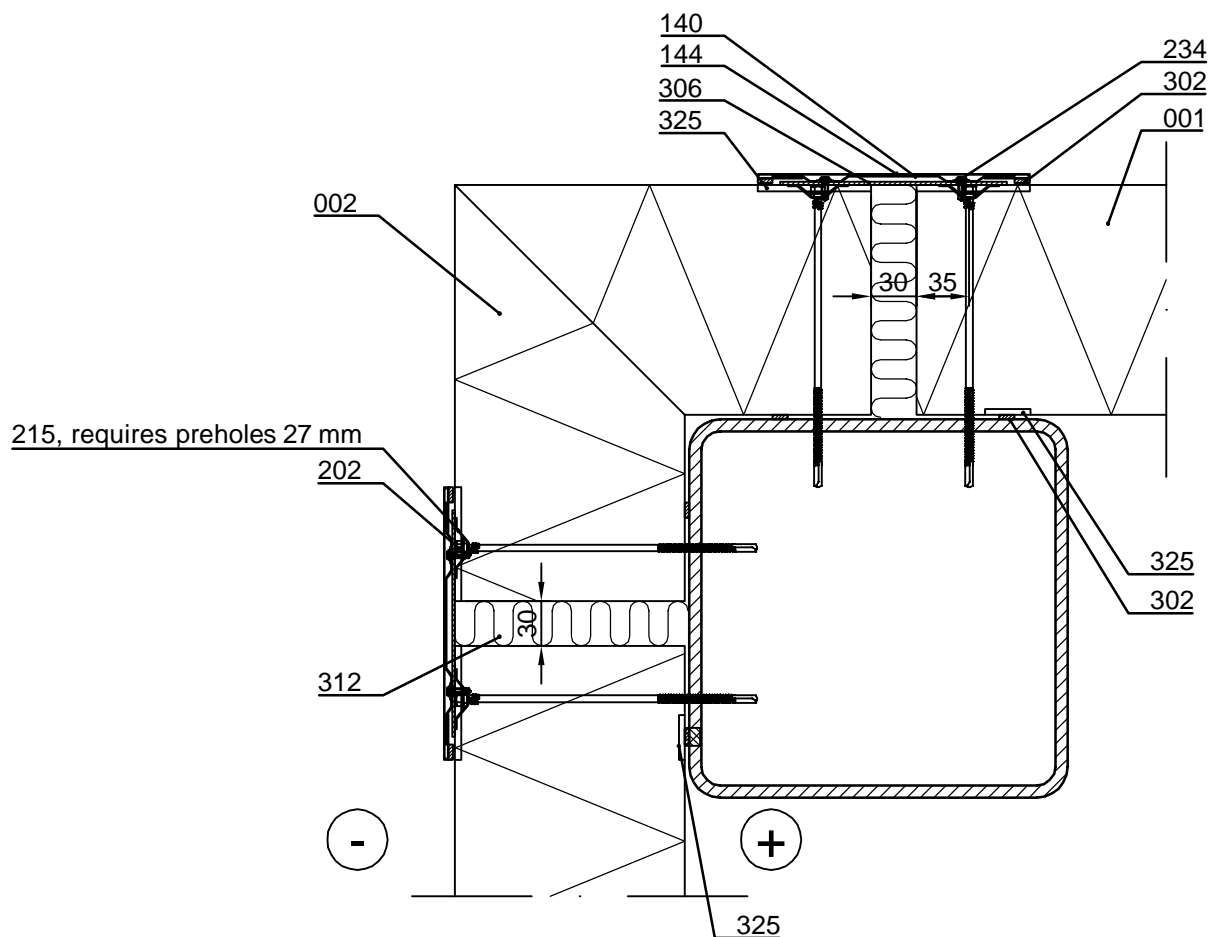
Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA04-31E-EN
Drawn by Ruukki	Rev.		
Scale 1:5	Building		File nr.



- | | |
|--|---|
| <input type="checkbox"/> 001. Sandwich panel SPA | <input type="checkbox"/> 305. Ruukki Wind Joint Tape 75 mm |
| <input type="checkbox"/> 132. /EA1EXB6/ Corner bottom flashing Invisible | <input type="checkbox"/> 308. Ruukki Wind Joint Tape 300 / 370 mm |
| <input type="checkbox"/> 133. /EA1ECI2/ External corner flashing Invisible | <input type="checkbox"/> 312. /EAWS___/ Mineral wool |
| <input type="checkbox"/> 201. Self-drilling element screw, washer with sealing | <input type="checkbox"/> 325. Ruukki sealant mastic |
| <input type="checkbox"/> 215. /EA2W40-910S/ Countersink washer | during installation to outer female groove in length |
| <input type="checkbox"/> 234. Flat head flashing fastener | equivalent to vertical joint flashing width and |
| <input type="checkbox"/> 302. /EA3SS410/ Sealing strip | inner female groove in length of sealing |
| /EA3SS510/ Sealing band EPDM for flashing | |
| (for demanding climate conditions e.g. coastal areas) | |

☒ Ruukki's delivery

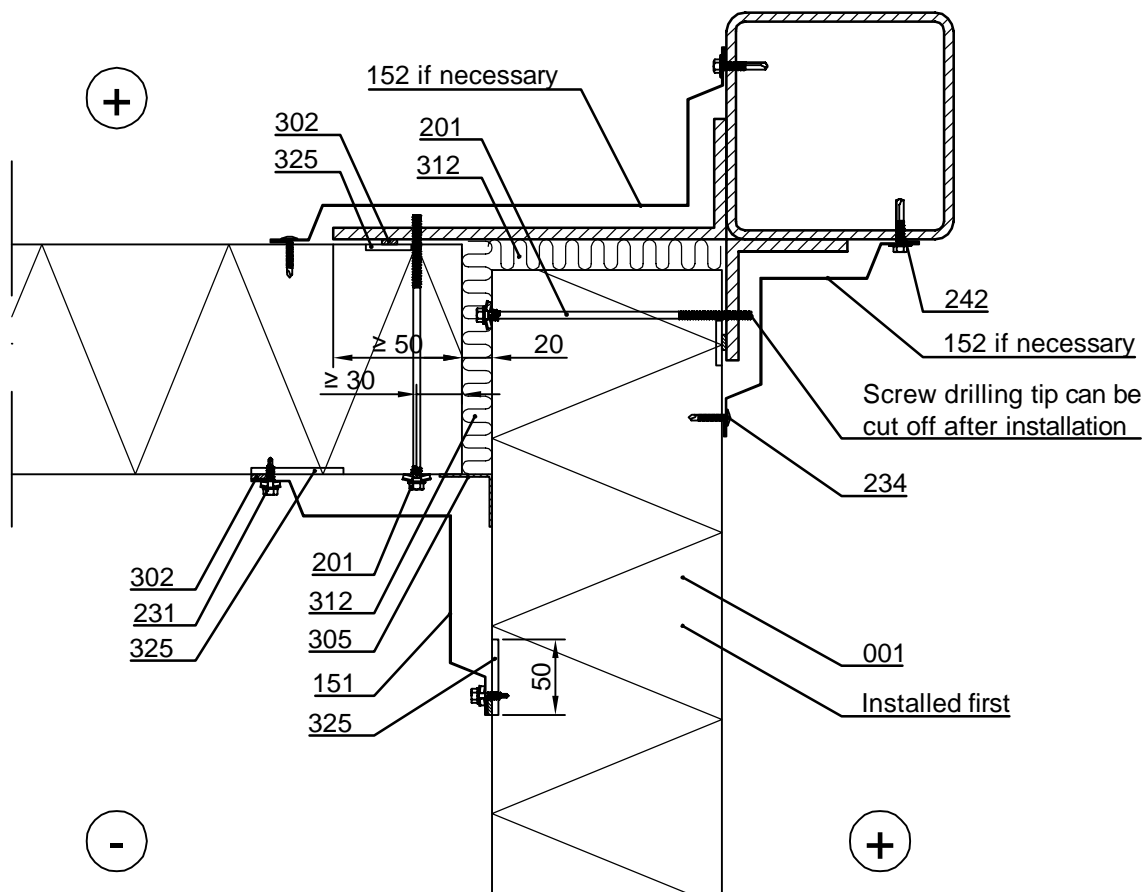
Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA04-33E-EN
Drawn by Ruukki	Rev.		
Scale 1:5	Building		File nr.



- ☐ 001. Sandwich panel SPA
- ☐ 002. Sandwich panel SPA corner panel,
(SPA100 - 200 external dimension 300 - 2400 mm, SPA230 350 - 2400 mm, SPA300 420 - 2400 mm)
- ☐ 140. /EA1JVB4/ Vertical bottom flashing Invisible
- ☐ 144. /EA1JVI/ Vertical joint flashing Invisible
- ☐ 202. Self-drilling element screw, without washer
- ☐ 215. /EA2W40-910S/ Countersink washer
- ☐ 234. Flat head flashing fastener
- ☐ 302. /EA3SS410/ Sealing strip
/EA3SS510/ Sealing band EPDM for flashing (for demanding climate conditions e.g. coastal areas)
- ☐ 306. Ruukki Wind Joint Tape 150 mm
- ☐ 312. /EAWS___/ Mineral wool
- ☐ 325. Ruukki sealant mastic
during installation to outer female groove in length
equivalent to vertical joint flashing width and inner female groove in length of sealing

☒ Ruukki's delivery

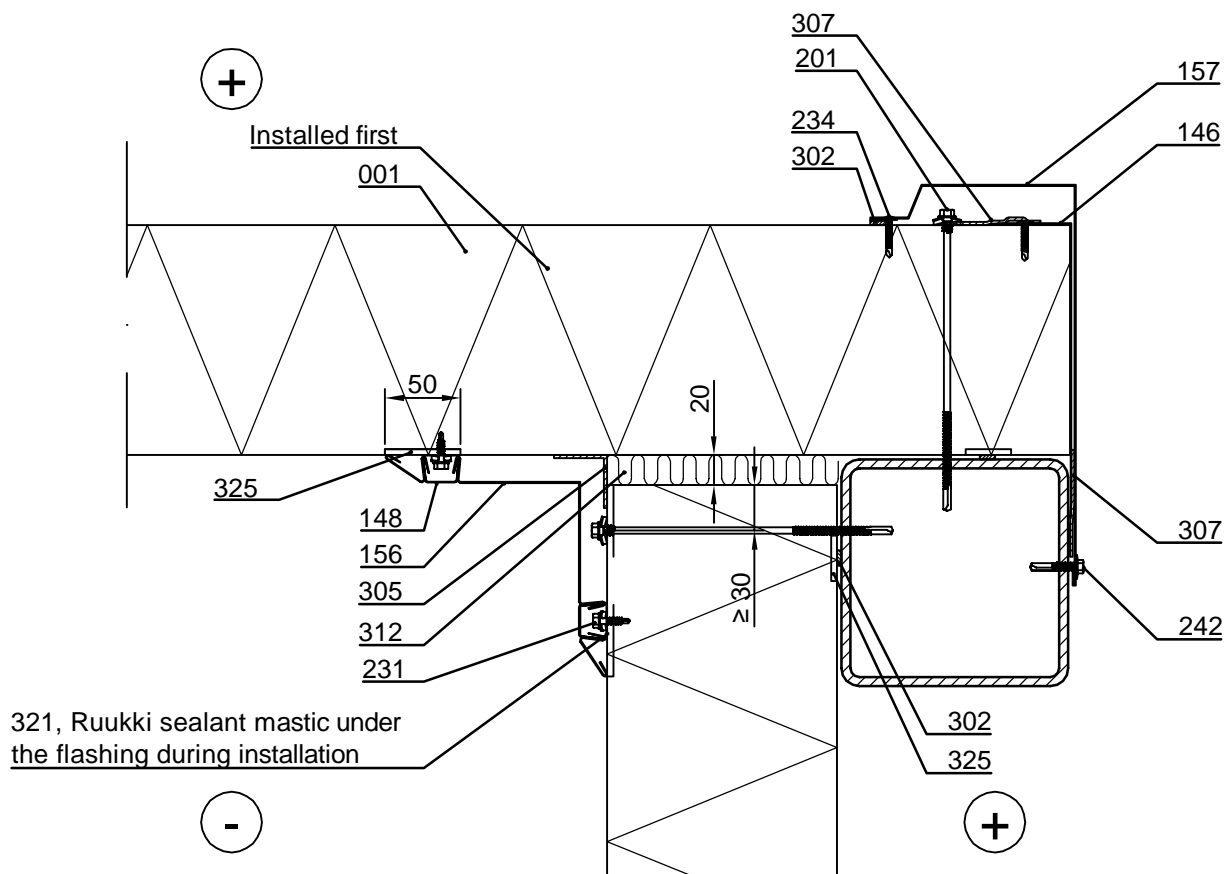
Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA05-1E-EN
Drawn by Ruukki	Rev.		
Scale 1:5	Building		File nr.



- ☐ 001. Sandwich panel SPA
- ☐ 151. /EA1IC3/ Internal corner flashing
- ☐ 152. Internal corner flashing, t = 0.6 mm, according to project
- ☐ 201. Self-drilling element screw, washer with sealing
- ☐ 231. Flashing fastener, washer with sealing
- ☐ 234. Flat head flashing fastener
- ☐ 242. Fastener screw, without washer
- ☐ 302. /EA3SS410/ Sealing strip
/EA3SS510/ Sealing band EPDM for flashing
(for demanding climate conditions e.g. coastal areas)
- ☐ 305. Ruukki Wind Joint Tape 75 mm
- ☐ 312. /EAWS___/ Mineral wool
- ☐ 325. Ruukki sealant mastic
during installation to outer female groove in length equivalent to vertical joint flashing width
and inner female groove in length of sealing

☒ Ruukki's delivery

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA05-2E-EN
Drawn by Ruukki	Rev.		
Scale 1:5	Building		File nr.

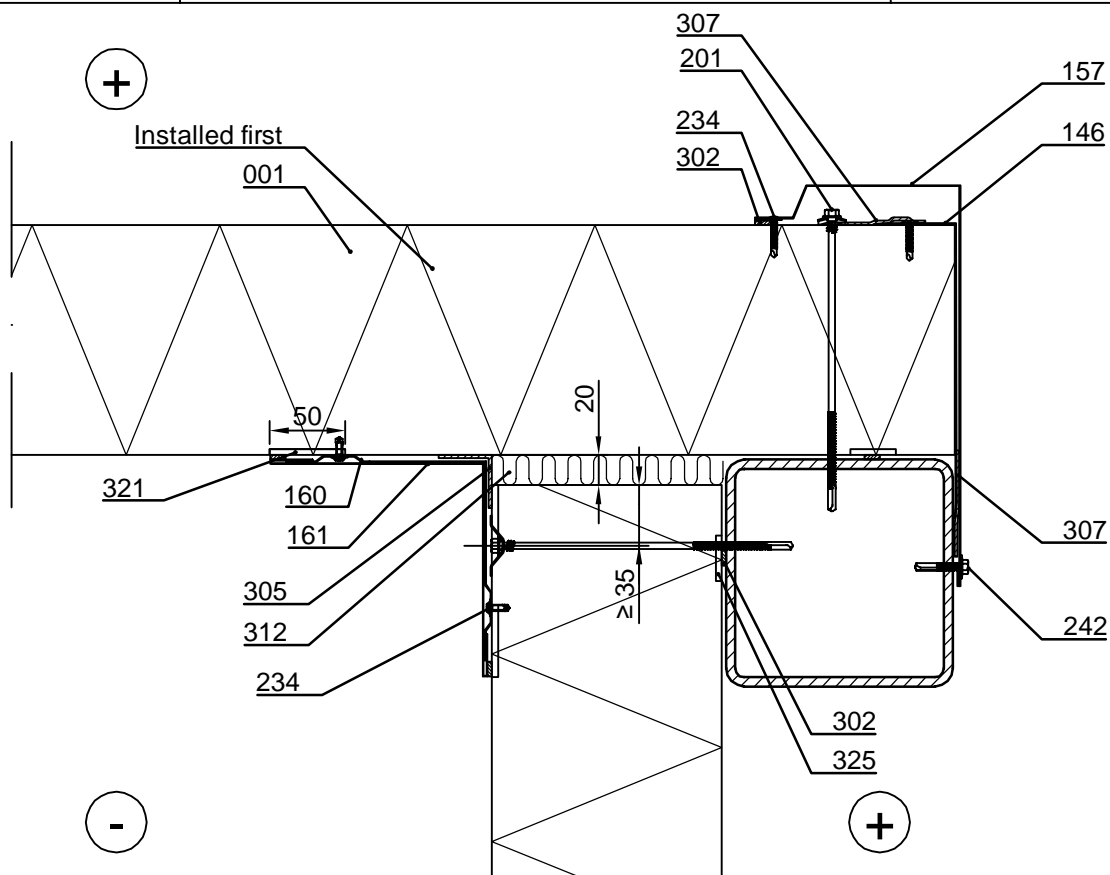


Remember that under internal corner flashing
EA1IC9 butt joints must be butt strap EA1CJP2

- ☐ 001. Sandwich panel SPA
- ☐ 146. /EA1EC9-___/ External corner flashing
- ☐ 148. /EA1VCO/ Vertical cover flashing
- ☐ 156. /EA1IC9/ Internal corner flashing
- ☐ 157. Cover flashing, t = 0.6 mm, according to project
- ☐ 201. Self-drilling element screw, washer with sealing
- ☐ 231. Flashing fastener, washer with sealing
- ☐ 234. Flat head flashing fastener
- ☐ 242. Fastener screw, without washer
- ☐ 302. /EA3SS410/ Sealing strip
/EA3SS510/ Sealing band EPDM for flashing
(for demanding climate conditions e.g. coastal areas)
- ☐ 305. Ruukki Wind Joint Tape 75 mm
- ☐ 312. /EAWS___/ Mineral wool
- ☐ 321. Ruukki sealant mastic
- ☐ 325. Ruukki sealant mastic
during installation to outer female groove in length equivalent to vertical joint flashing width
and inner female groove in length of sealing

☒ Ruukki's delivery

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA05-30E-EN
Drawn by Ruukki	Rev.		
Scale 1:5	Building		File nr.

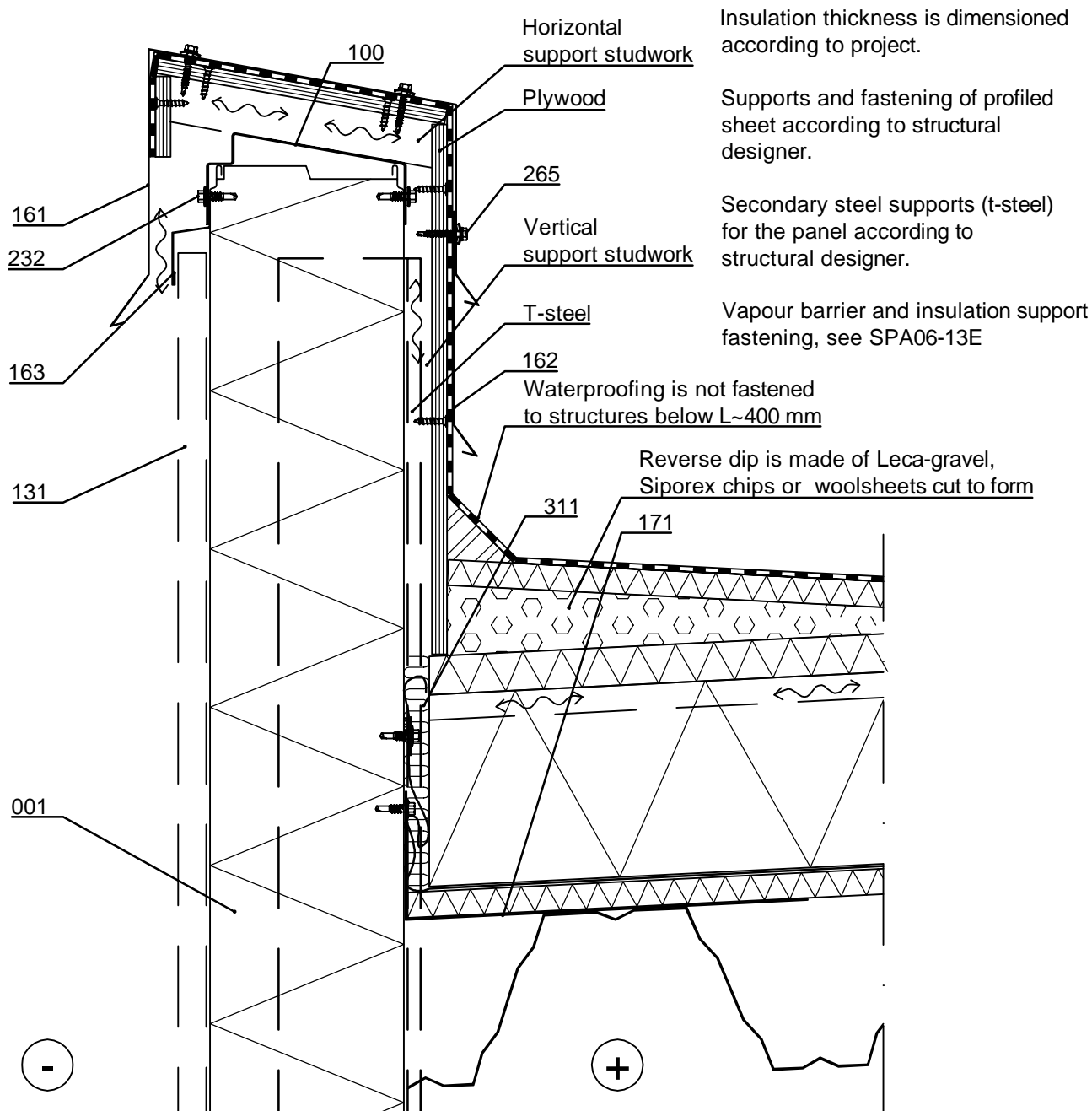


- ☐ 001. Sandwich panel SPA
- ☐ 146. /EA1EC9-___/ External corner flashing
- ☐ 157. Cover flashing t = 0.6 mm, according to project
- ☐ 160. /EA1XBI/ Internal corner bottom flashing Invisible
- ☐ 161. /EA1ICI/ Internal corner flashing Invisible
- ☐ 201. Self-drilling screw, washer with sealing
- ☐ 215. /EA2W40-910S/ Countersink washer
- ☐ 231. Flashing fastener, washer with sealing
- ☐ 234. Flat head flashing fastener
- ☐ 242. Screw, without washer
- ☐ 302. /EA3SS410/ Sealing strip
/EA3SS510/ Sealing band EPDM for flashing
(for demanding climate conditions e.g. coastal areas)
- ☐ 305. Ruukki Wind Joint Tape 75 mm
- ☐ 312. /EAWS___/ Mineral wool
- ☐ 321. Ruukki sealant mastic
- ☐ 325. Ruukki sealant mastic
during installation to outer female groove in length
equivalent to vertical joint flashing width and
inner female groove in length of sealing

☒ Ruukki's delivery

Sandwich panel SPA, horizontal installation
Parapet, side eaves
Bitumen roofing felt, vertical section

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA06-1E-EN
Drawn by Ruukki	Rev.		
Scale 1:5	Building		File nr.

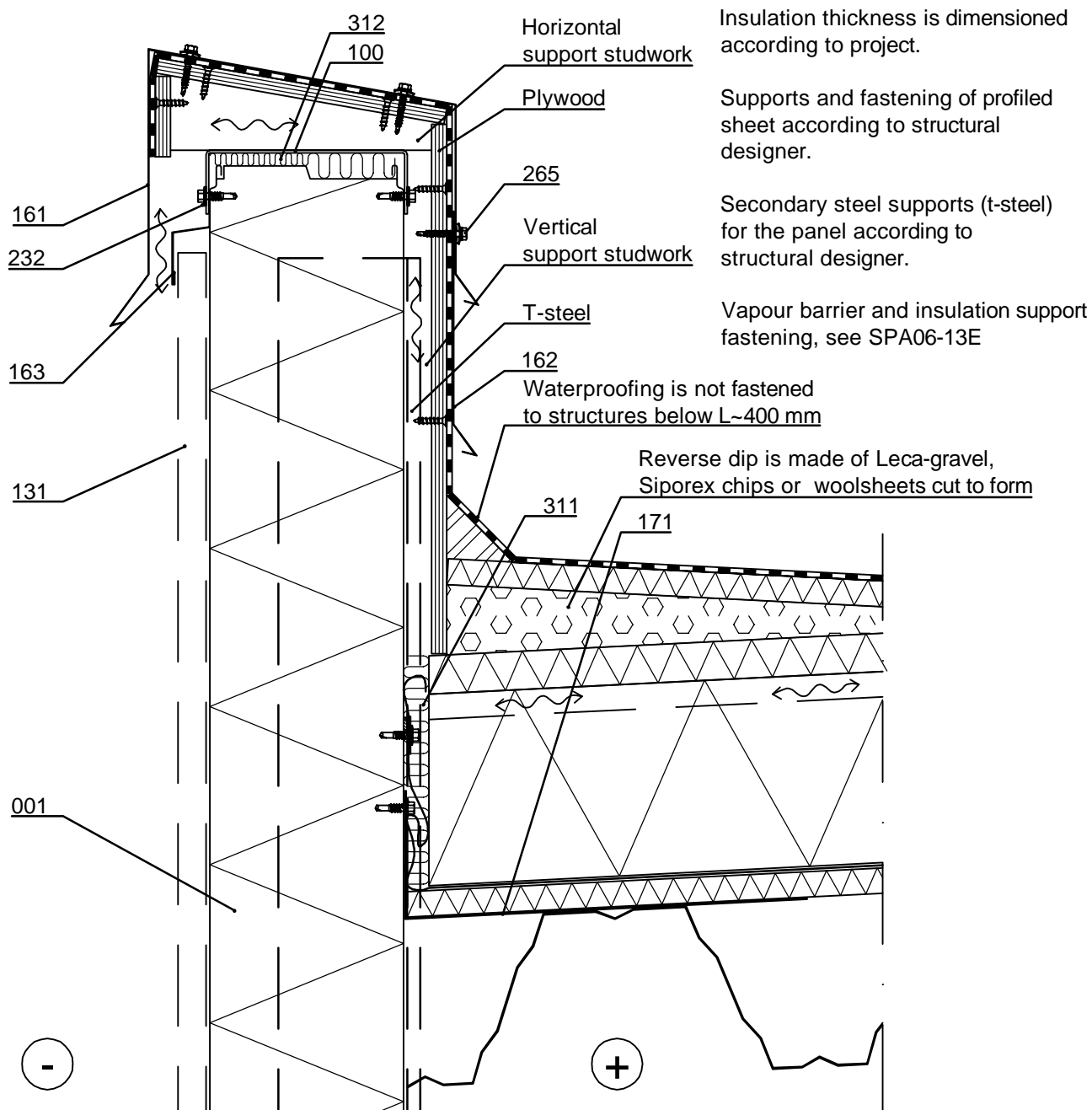


- ☐ 001. Sandwich panel SPA
- ☐ 100. /EA1EP___/ Purlin
- ☐ 131. /EA1JV1/ Vertical joint flashing
- ☐ 161. Eave flashing, t = 0.6 mm, according to project
- ☐ 162. Cover flashing, t = 0.6 mm, according to project
- ☐ 163. Storm flashing, t = 0.6 mm, according to project
- ☐ 171. Insulation support flashing, t = 0.6 mm, according to project
- ☐ 232. Flashing fastener, without washer
- ☐ 265. Fastener screw to wood, washer with sealing
- ☐ 311. Mineral wool

☒ Ruukki's delivery

Sandwich panel SPA, horizontal installation
Parapet, side eaves
Bitumen roofing felt, vertical section

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA06-1E-EN
Drawn by Ruukki	Rev.		
Scale 1:5	Building		File nr.



- | | |
|--|---|
| <input type="checkbox"/> 001. Sandwich panel SPA | <input type="checkbox"/> 171. Insulation support flashing, t = 0.6 mm, according to project |
| <input type="checkbox"/> 100. /EA1EPF___/ Purlin | <input type="checkbox"/> 232. Flashing fastener, without washer |
| <input type="checkbox"/> 131. /EA1JV1/ Vertical joint flashing | <input type="checkbox"/> 265. Fastener screw to wood, washer with sealing |
| <input type="checkbox"/> 161. Eave flashing, t = 0.6 mm, according to project | <input type="checkbox"/> 311. Mineral wool |
| <input type="checkbox"/> 162. Cover flashing, t = 0.6 mm, according to project | <input type="checkbox"/> 312. /EAWS___/ Mineral wool |
| <input type="checkbox"/> 163. Storm flashing, t = 0.6 mm, according to project | |

☒ Ruukki's delivery

Sandwich panel SPA, horizontal installation
Parapet, end eaves
Bitumen roofing felt, vertical section

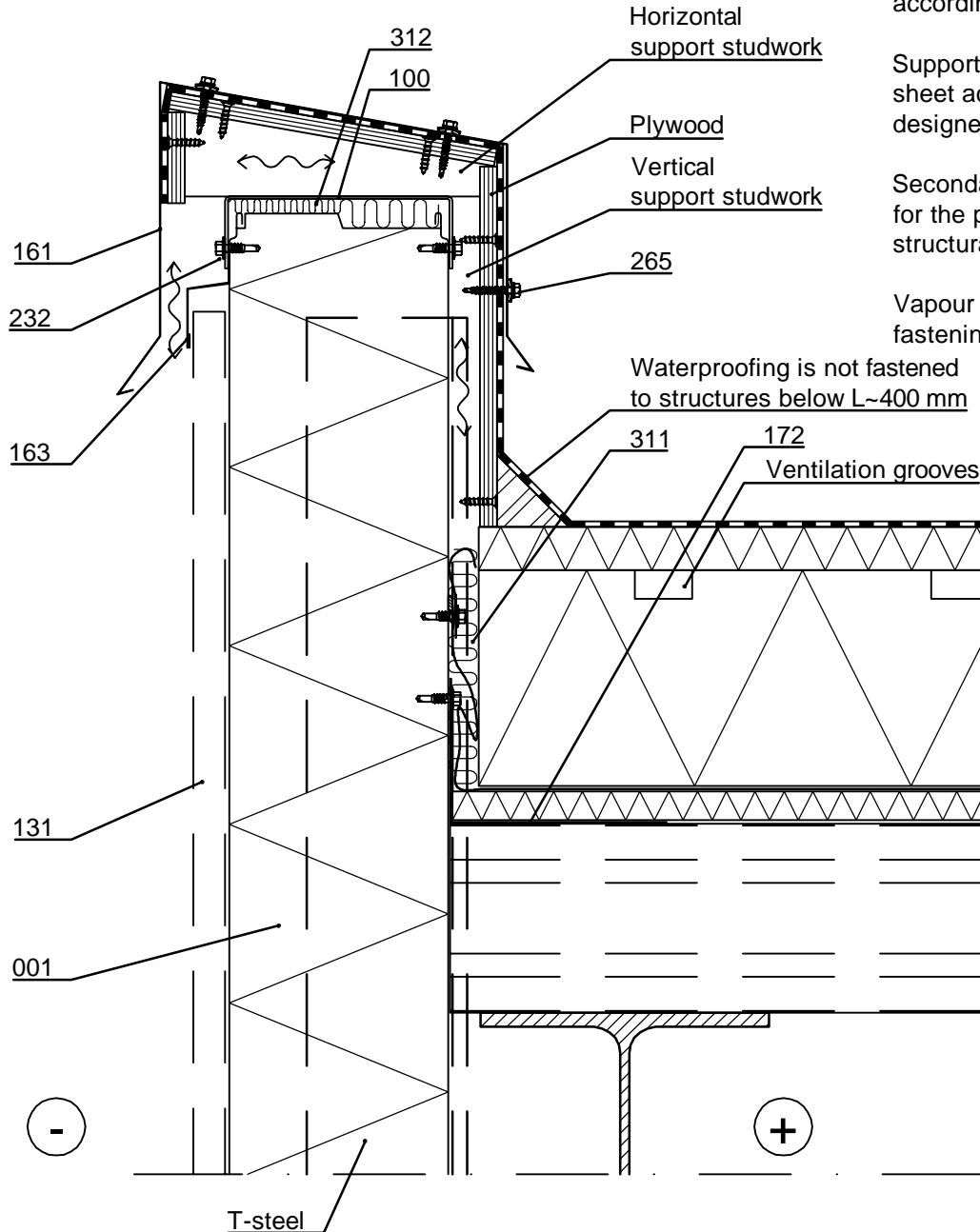
Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA06-2E-EN
Drawn by Ruukki	Rev.		
Scale 1:5	Building		File nr.

Insulation thickness is dimensioned according to project.

Supports and fastening of profiled sheet according to structural designer.

Secondary steel supports (t-steel) for the panel according to structural designer.

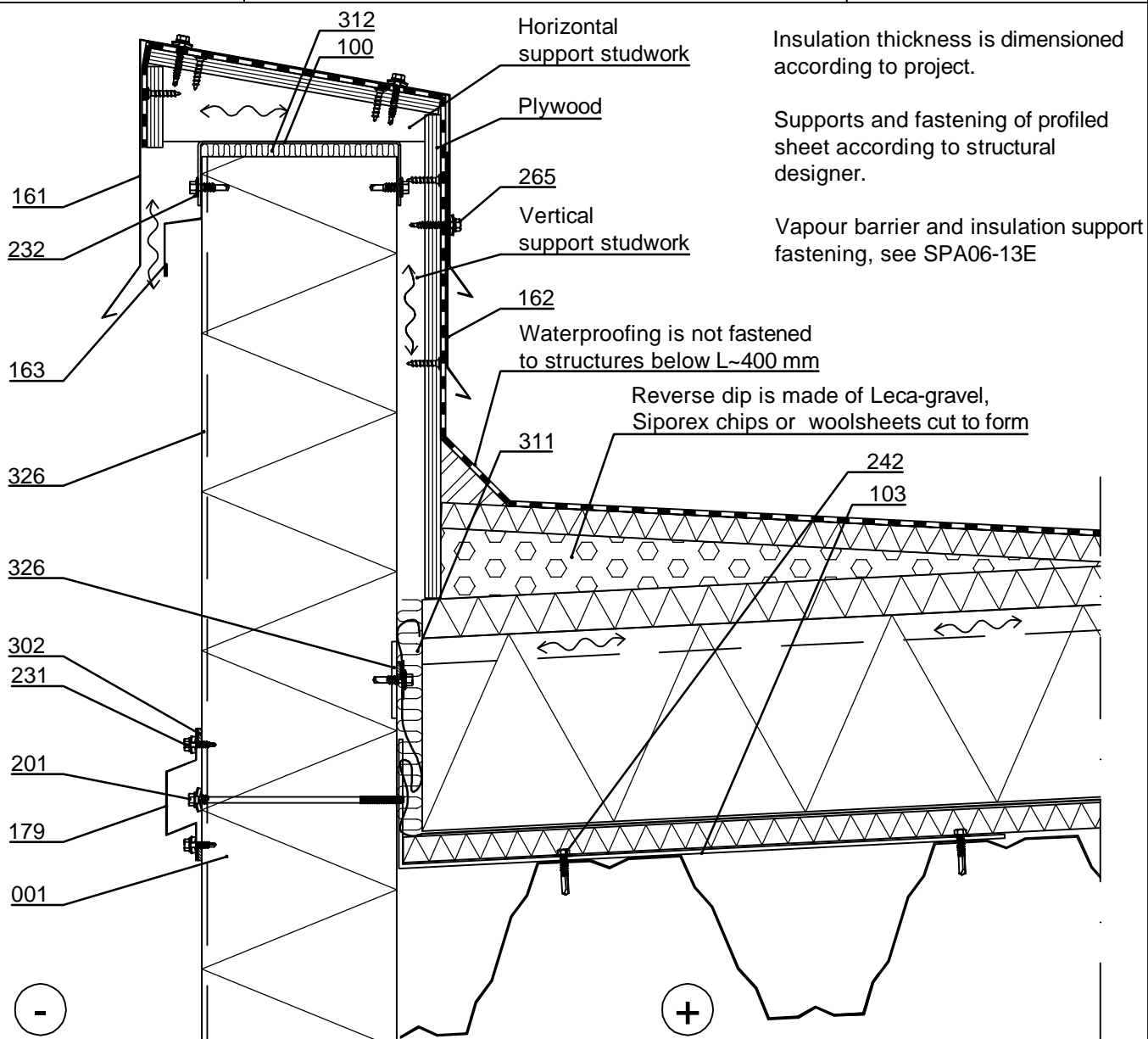
Vapour barrier and insulation support fastening, see SPA06-13E



- | | |
|--|---|
| <input type="checkbox"/> 001. Sandwich panel SPA | <input type="checkbox"/> 172. Insulation support flashing, t = 0.6 mm |
| <input type="checkbox"/> 100. /EA1EPF___/ Purlin | <input type="checkbox"/> 232. Flashing fastener, without washer |
| <input type="checkbox"/> 131. /EA1JV1/ Vertical joint flashing | <input type="checkbox"/> 265. Fastener screw to wood, washer with sealing |
| <input type="checkbox"/> 161. Eave flashing, t = 0.6 mm, according to project | <input type="checkbox"/> 311. Mineral wool |
| <input type="checkbox"/> 163. Storm flashing, t = 0.6 mm, according to project | <input type="checkbox"/> 312. /EAWS___/ Mineral wool |

☒ Ruukki's delivery

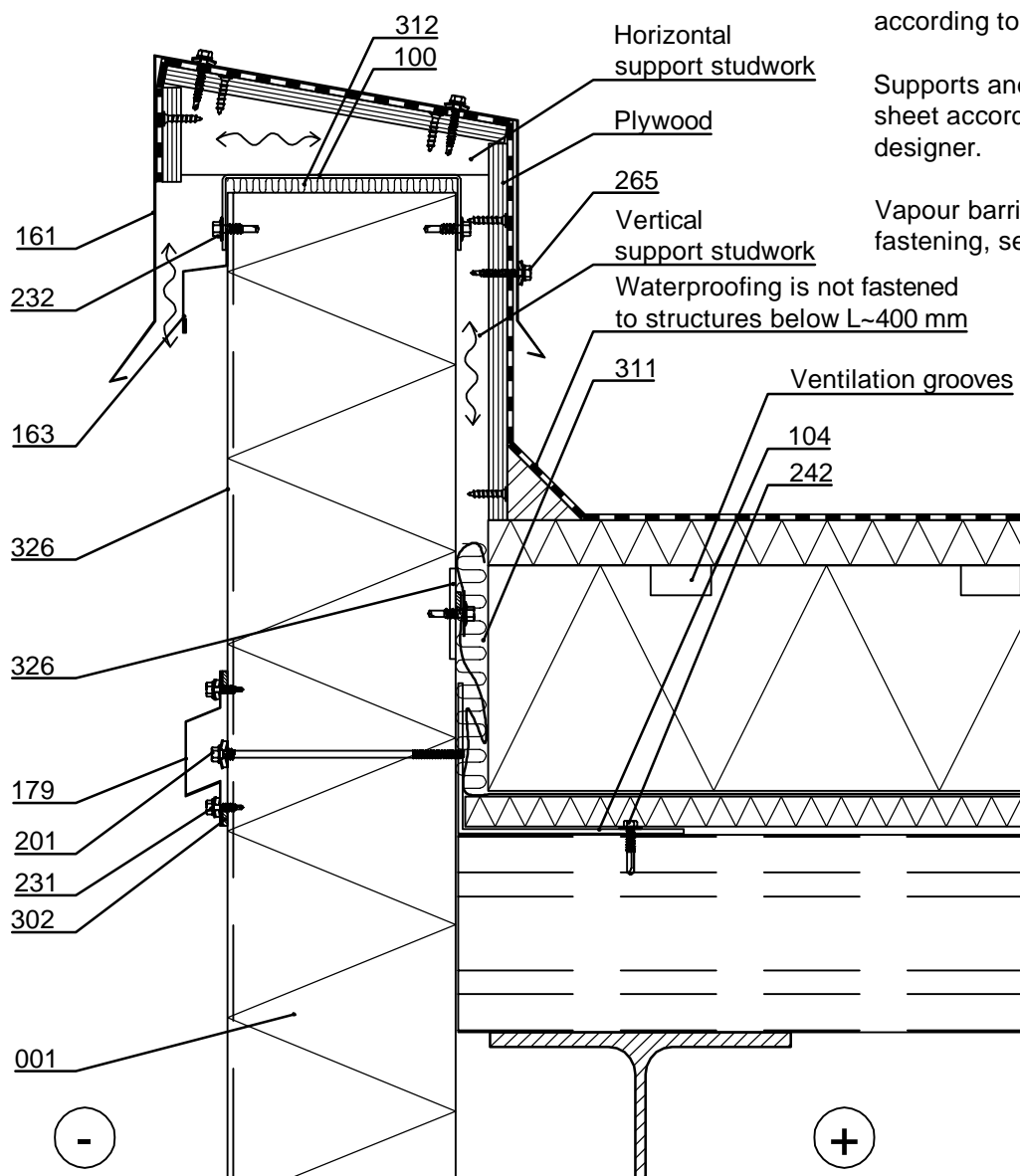
Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA06-3E-EN
Drawn by Ruukki	Rev.		
Scale 1:5	Building		File nr.



- ☐ 001. Sandwich panel SPA
- ☐ 100. /EA1EPF___/ Purlin
- ☐ 103. Flashing for fastening / insulation support flashing, t=3 mm, according to project
- ☐ 161. Eave flashing, t = 0.6 mm, according to project
- ☐ 162. Cover flashing, t = 0.6 mm, according to project
- ☐ 163. Storm flashing, t = 0.6 mm, according to project
- ☐ 179. Cover flashing, t = 0.6 mm, according to project
- ☐ 201. Self-drilling element screw, washer with sealing
- ☐ 231. Flashing fastener, washer with sealing
- ☐ 232. Flashing fastener, without washer
- ☐ 242. Fastener screw, without washer
- ☐ 265. Fastener screw to wood, washer with sealing
- ☐ 302. /EA3SS410/ Sealing strip
- ☐ 311. Mineral wool
- ☐ 312. /EAWS___/ Mineral wool
- ☐ 325. Ruukki sealant mastic during inst. to outer female groove in full length of panel and inner female groove 60 mm from panel end

☒ Ruukki's delivery

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA06-4E-EN
Drawn by Ruukki	Rev.		
Scale 1:5	Building		File nr.



Insulation thickness is dimensioned according to project.

Supports and fastening of profiled sheet according to structural designer.

Vapour barrier and insulation support fastening, see SPA06-13E

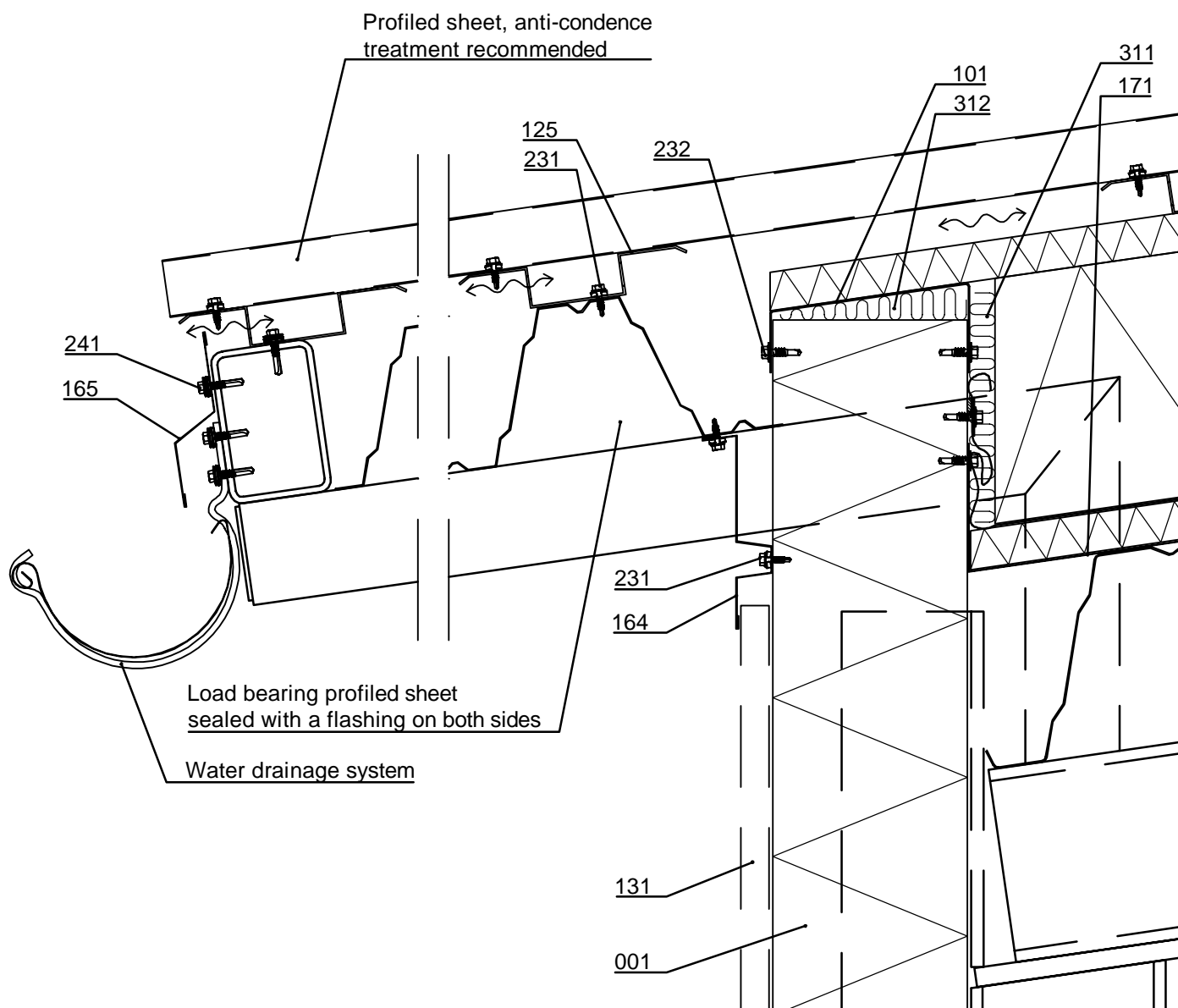
Waterproofing is not fastened to structures below L~400 mm

Ventilation grooves

- ☐ 001. Sandwich panel SPA
- ☐ 100. /EA1EPF___/ Purlin
- ☐ 104. Flashing for fastening / insulation support flashing, t=3 mm, according to project
- ☐ 161. Eave flashing, t = 0.6 mm, according to project
- ☐ 163. Storm flashing, t = 0.6 mm, according to project
- ☐ 179. Cover flashing, t = 0.6 mm, according to project
- ☐ 201. Self-drilling element screw, washer with sealing
- ☐ 231. Flashing fastener, washer with sealing
- ☐ 232. Flashing fastener, without washer
- ☐ 242. Fastener screw, without washer
- ☐ 265. Fastener screw to wood, washer with sealing
- ☐ 302. /EA3SS410/ Sealing strip
- ☐ 311. Mineral wool
- ☐ 312. /EAWS___/ Mineral wool
- ☐ 325. Ruukki sealant mastic during inst. to outer female groove in full length of panel and inner female groove 60 mm from panel end

☒ Ruukki's delivery

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA06-5E-EN
Drawn by Ruukki	Rev.		
Scale 1:5	Building		File nr.



- ☐ 001. Sandwich panel SPA
- ☐ 101. Eave purlin, according to project
- ☐ 125. /EA1HP1/ Ventilated hat purlin
- ☐ 131. /EA1JV1/ Vertical joint flashing
- ☐ 164. Storm flashing, $t = 0.6$ mm, according to project
- ☐ 165. Eave flashing, $t = 0.6$ mm, according to project
- ☐ 171. Insulation support flashing, $t = 0.6$ mm, according to project
- ☐ 231. Flashing fastener, washer with sealing
- ☐ 232. Flashing fastener, without washer
- ☐ 241. Fastener screw, washer with sealing
- ☐ 311. Mineral wool
- ☐ 312. /EAWS___/ Mineral wool

☒ Ruukki's delivery

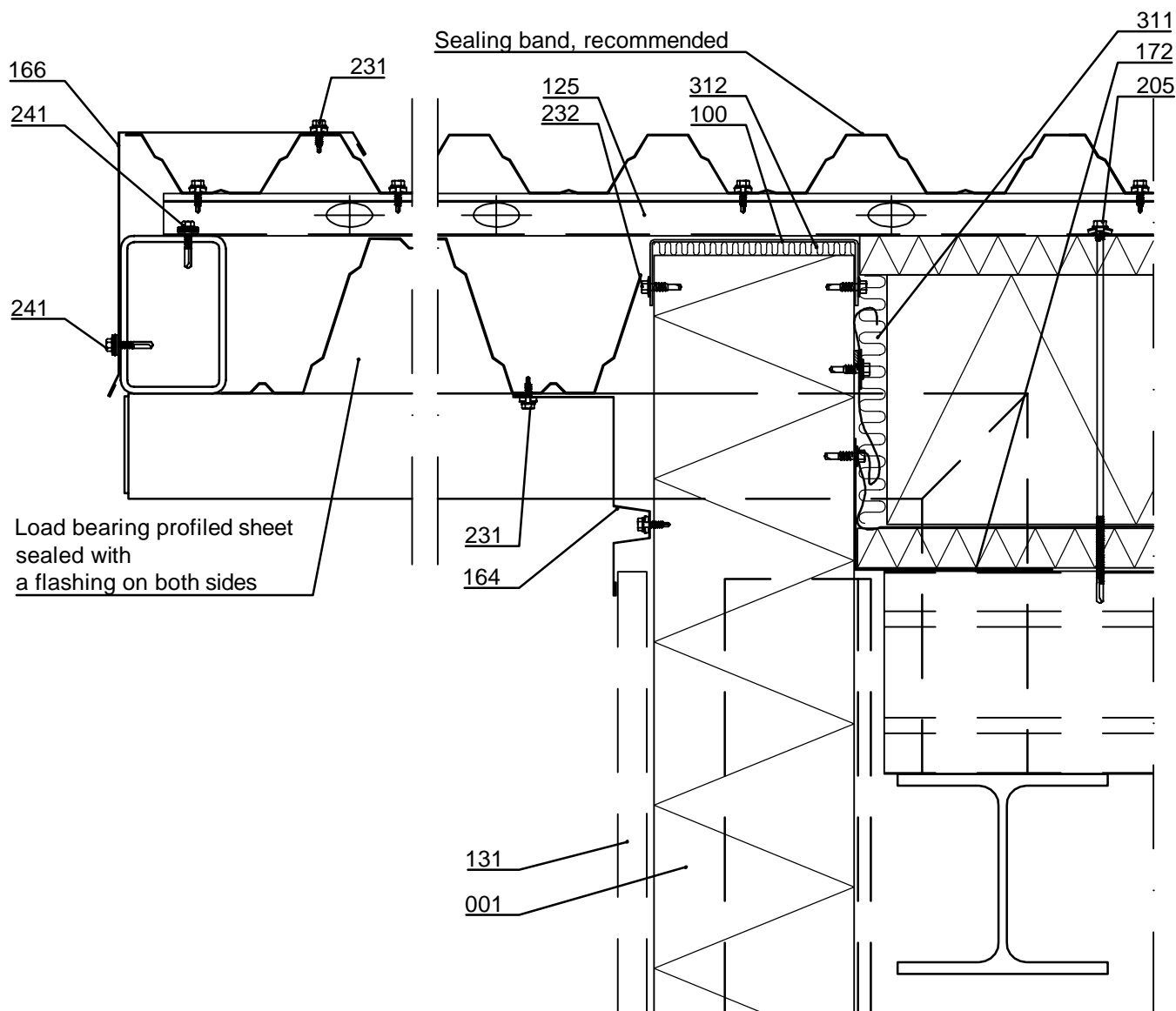
Insulation thickness is dimensioned according to project.

Supports and fastening of profiled sheet according to structural designer.

Panel is cut at the point where it intersects with the steel structure. Vapour barrier is taped around the steel.

Vapour barrier and insulation support fastening, see SPA06-13E

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA06-6E-EN
Drawn by Ruukki	Rev.		
Scale 1:5	Building		File nr.



- ☐ 001. Sandwich panel SPA
- ☐ 100. /EA1EPF___/ Purlin
- ☐ 125. /EA1HP1/ Ventilated hat purlin
- ☐ 131. /EA1JV1/ Vertical joint flashing
- ☐ 164. Storm flashing, $t = 0.6$ mm, according to project
- ☐ 166. Eave flashing, $t = 0.6$ mm, according to project
- ☐ 172. Insulation support flashing, $t = 0.6$ mm
- ☐ 205. Self-drilling element screw / fastener screw for roof
- ☐ 231. Flashing fastener, washer with sealing
- ☐ 232. Flashing fastener, without washer
- ☐ 241. Fastener screw, washer with sealing
- ☐ 311. Mineral wool
- ☐ 312. /EAWS___/ Mineral wool

☒ Ruukki's delivery

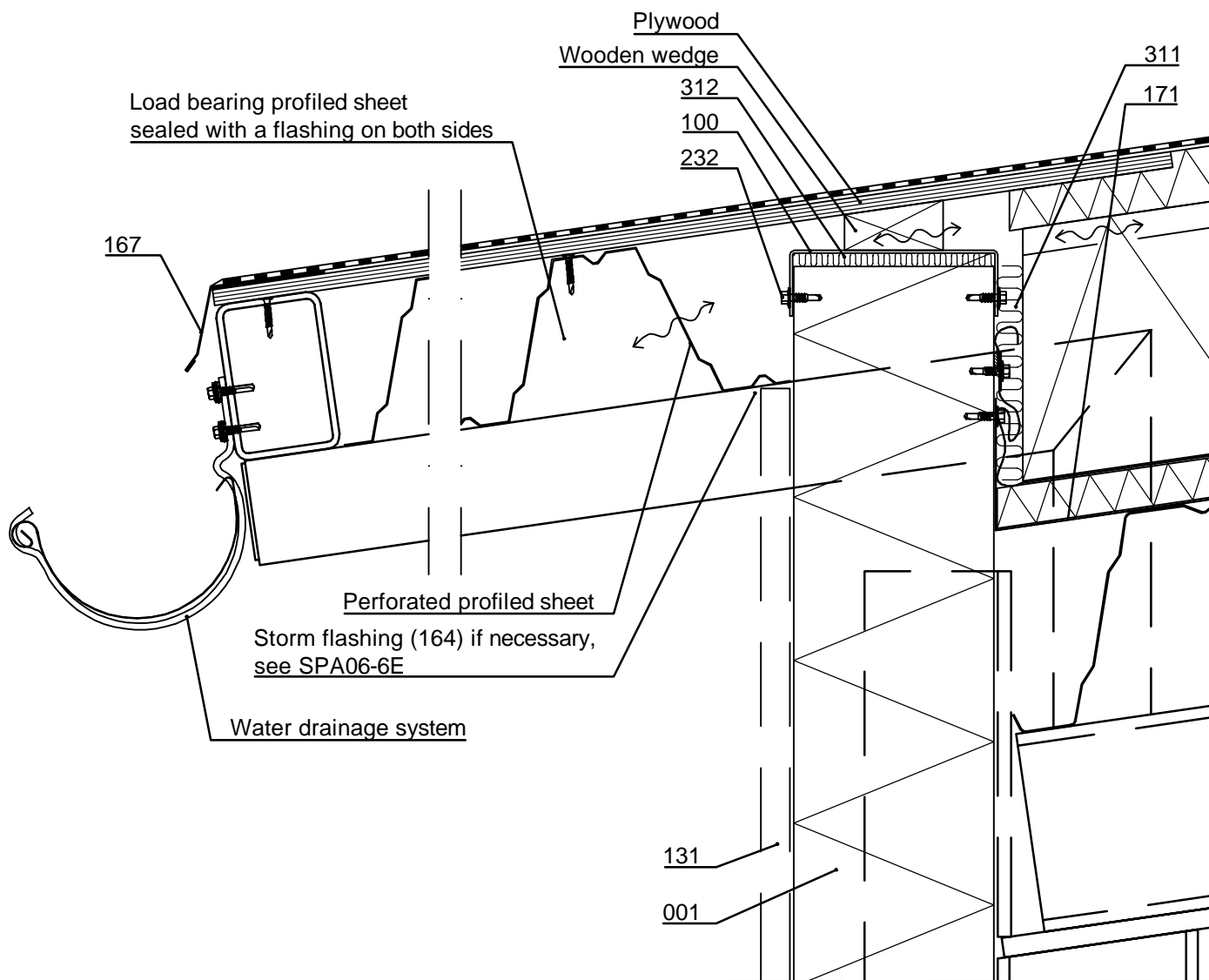
Insulation thickness is dimensioned according to project.

Supports and fastening of profiled sheet according to structural designer.

Panel is cut at the point where it intersects with the steel structure. Vapour barrier is taped around the steel.

Vapour barrier and insulation support fastening, see SPA06-13E

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA06-7E-EN
Drawn by Ruukki	Rev.		
Scale 1:5	Building		File nr.



Insulation thickness is dimensioned according to project.

Supports and fastening of profiled sheet according to structural designer.

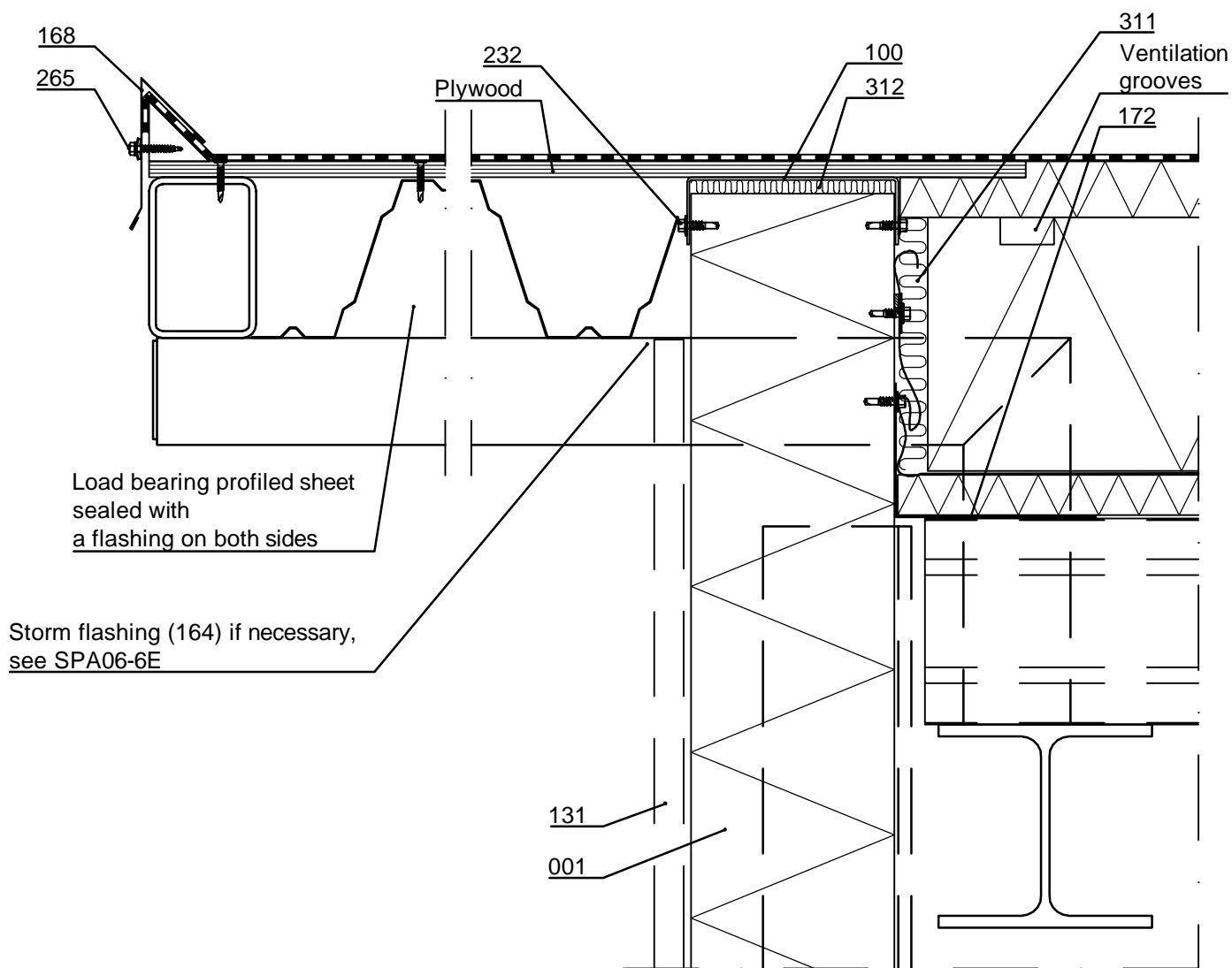
Panel is cut at the point where it intersects with the steel structure. Vapour barrier is taped around the steel.

Vapour barrier and insulation support fastening, see SPA06-13E

- ☐ 001. Sandwich panel SPA
- ☐ 100. /EA1EPF___/ Purlin
- ☐ 131. /EA1JV1/ Vertical joint flashing
- ☐ 167. Eave flashing, t = 0.6 mm, according to project
- ☐ 171. Insulation support flashing, t = 0.6 mm, according to project
- ☐ 232. Flashing fastener, without washer
- ☐ 311. Mineral wool
- ☐ 312. /EAWS___/ Mineral wool

☒ Ruukki's delivery

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA06-8E-EN
Drawn by Ruukki	Rev.		
Scale 1:5	Building		File nr.



Insulation thickness is dimensioned according to project.

Supports and fastening of profiled sheet according to structural designer.

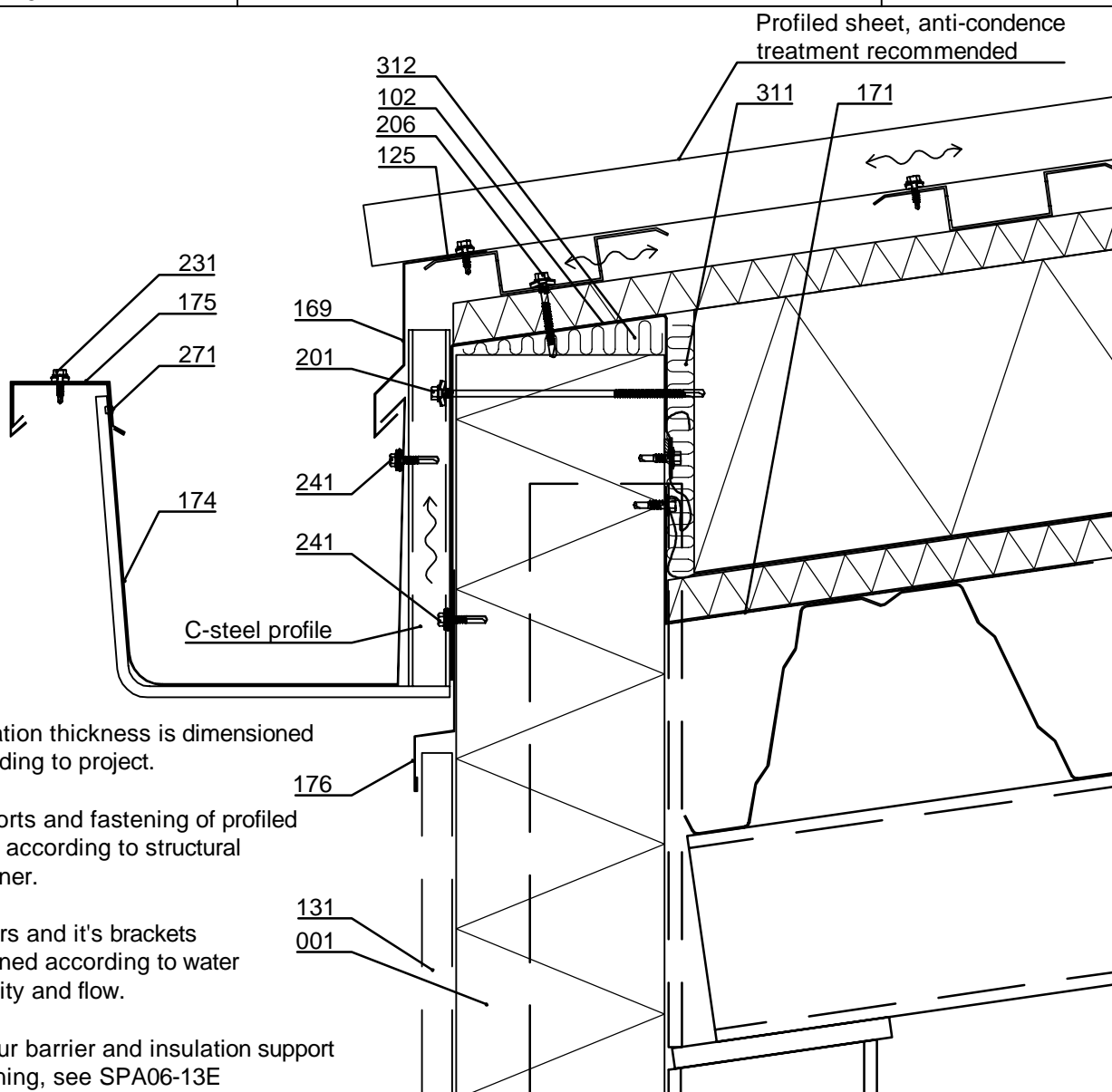
Panel is cut at the point where it intersects with the steel structure. Vapour barrier is taped around the steel.

Vapour barrier and insulation support fastening, see SPA06-13E

- ☐ 001. Sandwich panel SPA
- ☐ 100. /EA1EPF___/ Purlin
- ☐ 131. /EA1JV1/ Vertical joint flashing
- ☐ 168. Eave flashing, $t = 0.6$ mm, according to project
- ☐ 172. Insulation support flashing, $t = 0.6$ mm
- ☐ 232. Flashing fastener, without washer
- ☐ 265. Fastener screw to wood, washer with sealing
- ☐ 311. Mineral wool
- ☐ 312. /EAWS___/ Mineral wool

☒ Ruukki's delivery

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA06-9E-EN
Drawn by Ruukki	Rev.		
Scale 1:5	Building	File nr.	



Insulation thickness is dimensioned according to project.

Supports and fastening of profiled sheet according to structural designer.

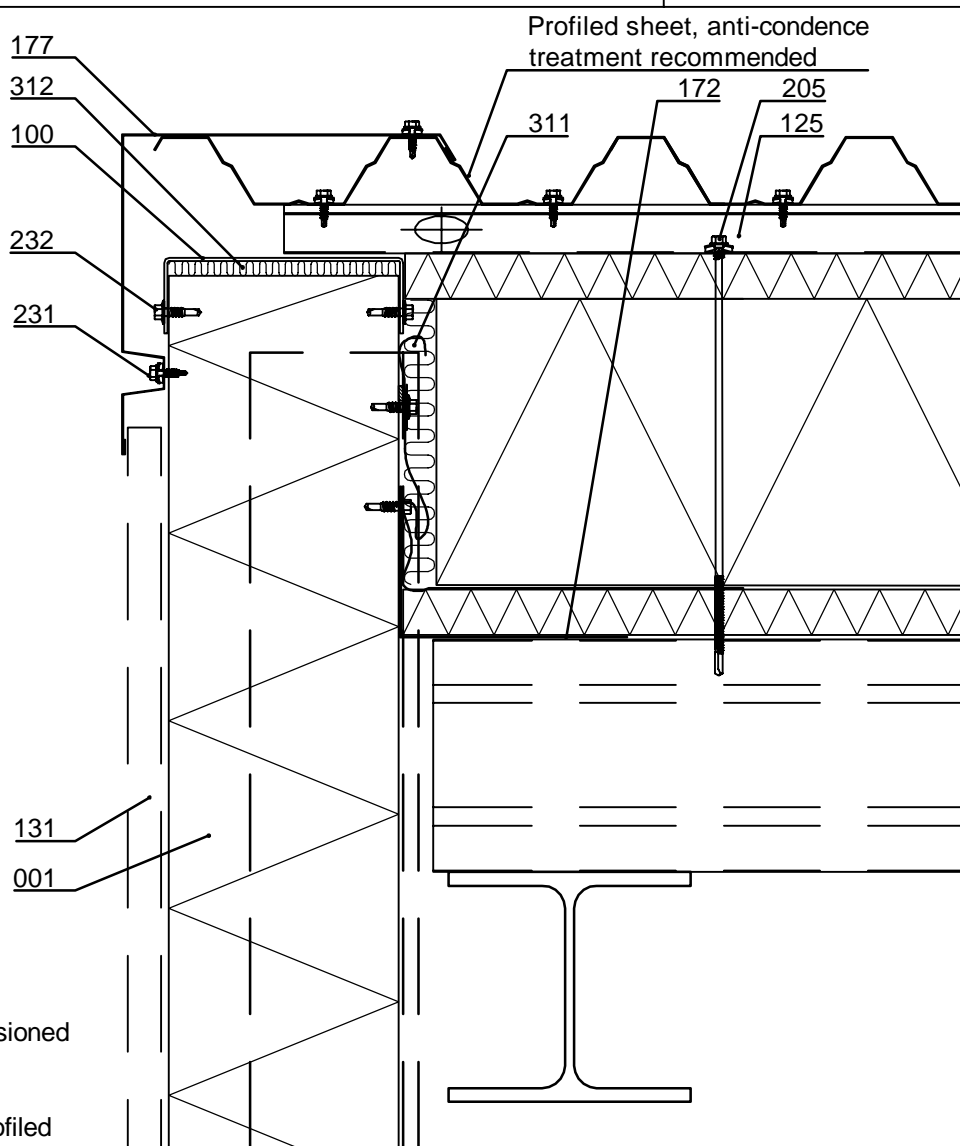
Gutters and it's brackets designed according to water quantity and flow.

Vapour barrier and insulation support fastening, see SPA06-13E

- ☐ 001. Sandwich panel SPA
- ☐ 102. Eave purlin, according to project
- ☐ 125. /EA1HP1/ Ventilated hat purlin
- ☐ 131. /EA1JV1/ Vertical joint flashing
- ☐ 169. Eave flashing, t = 0.6 mm, according to project
- ☐ 171. Insulation support flashing, t = 0.6 mm, according to project
- ☐ 174. Gutter, t = 0.6 mm, according to project
- ☐ 175. Cover flashing, t = 0.6 mm, according to project
- ☐ 176. Storm flashing, t = 0.6 mm, according to project
- ☐ 201. Self-drilling element screw, washer with sealing
- ☐ 206. Self-drilling element screw / fastener screw for roof
- ☐ 231. Flashing fastener, washer with sealing
- ☐ 241. Fastener screw, washer with sealing
- ☐ 271. Rivet
- ☐ 311. Mineral wool
- ☐ 312. /EAWS___/ Mineral wool

☒ Ruukki's delivery

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA06-10E-EN
Drawn by Ruukki	Rev.		
Scale 1:5	Building		File nr.



Insulation thickness is dimensioned according to project.

Supports and fastening of profiled sheet according to structural designer.

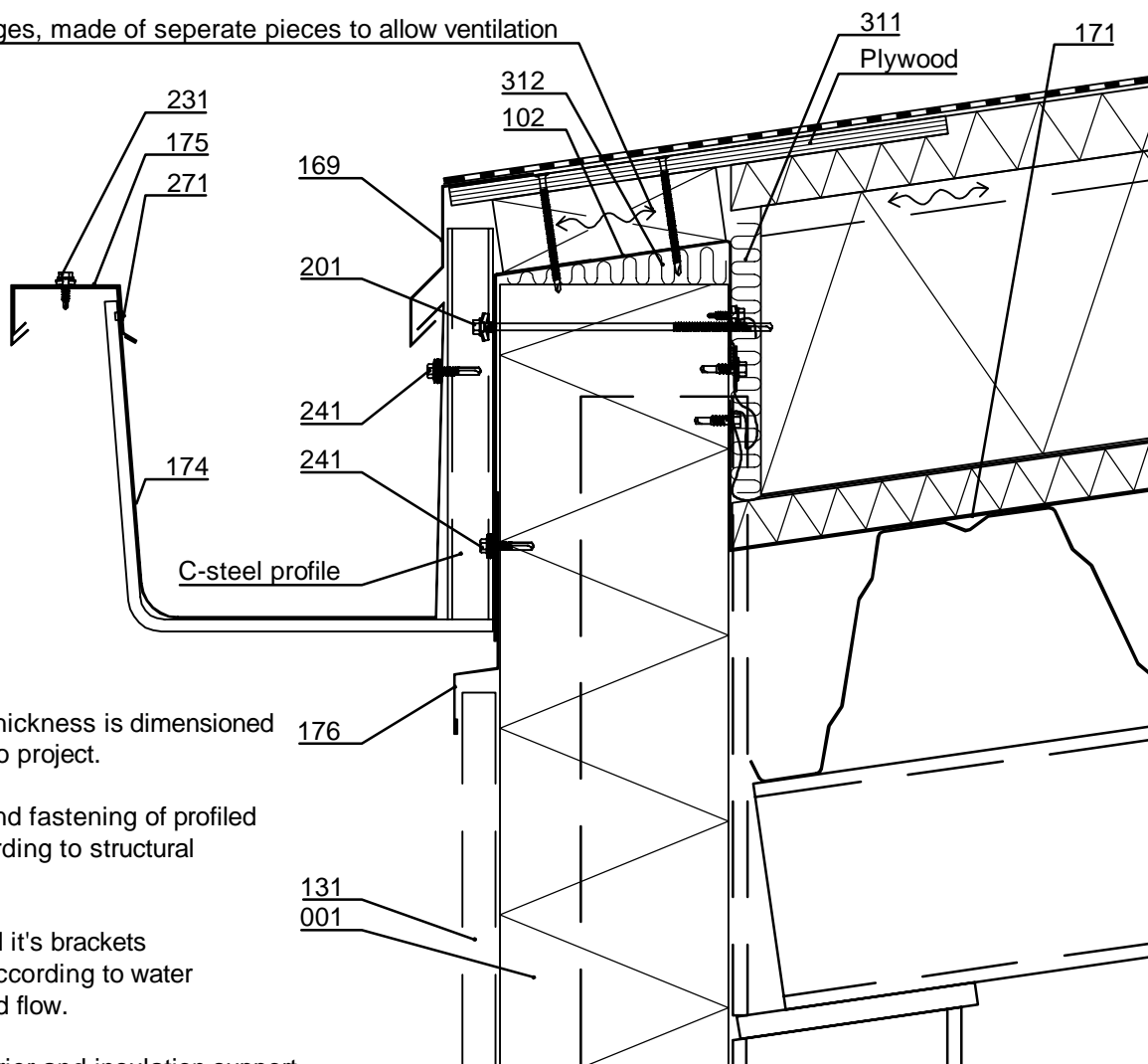
Vapour barrier and insulation support fastening, see SPA06-13E

- | | |
|---|---|
| <input type="checkbox"/> 001. Sandwich panel SPA | <input type="checkbox"/> 205. Self-drilling element screw / fastener screw for roof |
| <input type="checkbox"/> 100. /EA1EPF___/ Purlin | <input type="checkbox"/> 231. Flashing fastener, washer with sealing |
| <input type="checkbox"/> 125. /EA1HP1/ Ventilated hat purlin | <input type="checkbox"/> 232. Flashing fastener, without washer |
| <input type="checkbox"/> 131. /EA1JV1/ Vertical joint flashing | <input type="checkbox"/> 311. Mineral wool |
| <input type="checkbox"/> 172. Insulation support flashing, t = 0.6 mm | <input type="checkbox"/> 312. /EAWS___/ Mineral wool |
| <input type="checkbox"/> 177. Eave flashing, t = 0.6 mm, according to project | |

☒ Ruukki's delivery

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA06-11E-EN
Drawn by Ruukki	Rev.		
Scale 1:5	Building		File nr.

Wooden wedges, made of separate pieces to allow ventilation



Insulation thickness is dimensioned according to project.

Supports and fastening of profiled sheet according to structural designer.

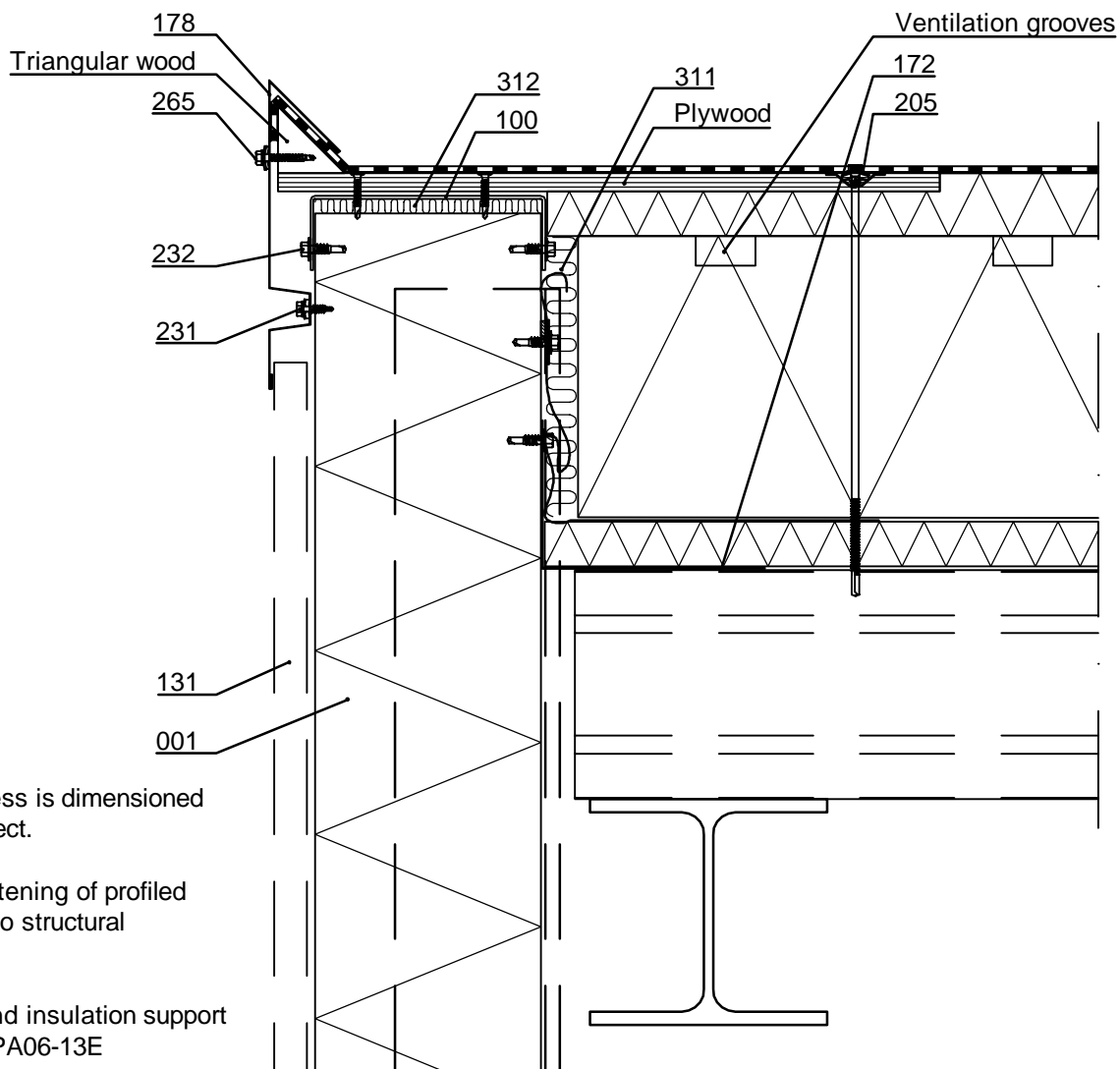
Gutters and it's brackets designed according to water quantity and flow.

Vapour barrier and insulation support fastening, see SPA06-13E

- | | |
|---|--|
| <input type="checkbox"/> 001. Sandwich panel SPA | <input type="checkbox"/> 176. Storm flashing, t = 0.6 mm, according to project |
| <input type="checkbox"/> 102. Eave purlin, t=2mm, according to project | <input type="checkbox"/> 201. Self-drilling element screw, washer with sealing |
| <input type="checkbox"/> 131. /EA1JV1/ Vertical joint flashing | <input type="checkbox"/> 231. Flashing fastener, washer with sealing |
| <input type="checkbox"/> 169. Eave flashing, t = 0.6 mm, according to project | <input type="checkbox"/> 241. Fastener screw, washer with sealing |
| <input type="checkbox"/> 171. Insulation support flashing, t = 0.6 mm, according to project | <input type="checkbox"/> 271. Rivet |
| <input type="checkbox"/> 174. Gutter, t = 0.6 mm, according to project | <input type="checkbox"/> 311. Mineral wool |
| <input type="checkbox"/> 175. Cover flashing, t = 0.6 mm, according to project | <input type="checkbox"/> 312. /EAWS___/ Mineral wool |

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Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA06-12E-EN
Drawn by Ruukki	Rev.		
Scale 1:5	Building		File nr.



- ☐ 001. Sandwich panel SPA
- ☐ 100. /EA1EPF___/ Purlin
- ☐ 131. /EA1JV1/ Vertical joint flashing
- ☐ 172. Insulation support flashing, t = 0.6 mm
- ☐ 178. Eave flashing, t = 0.6 mm, according to project
- ☐ 205. Self-drilling element screw / fastener screw for roof
- ☐ 231. Flashing fastener, washer with sealing
- ☐ 232. Flashing fastener, without washer
- ☐ 265. Fastener screw to wood, washer with sealing
- ☐ 311. Mineral wool
- ☐ 312. /EAWS___/ Mineral wool

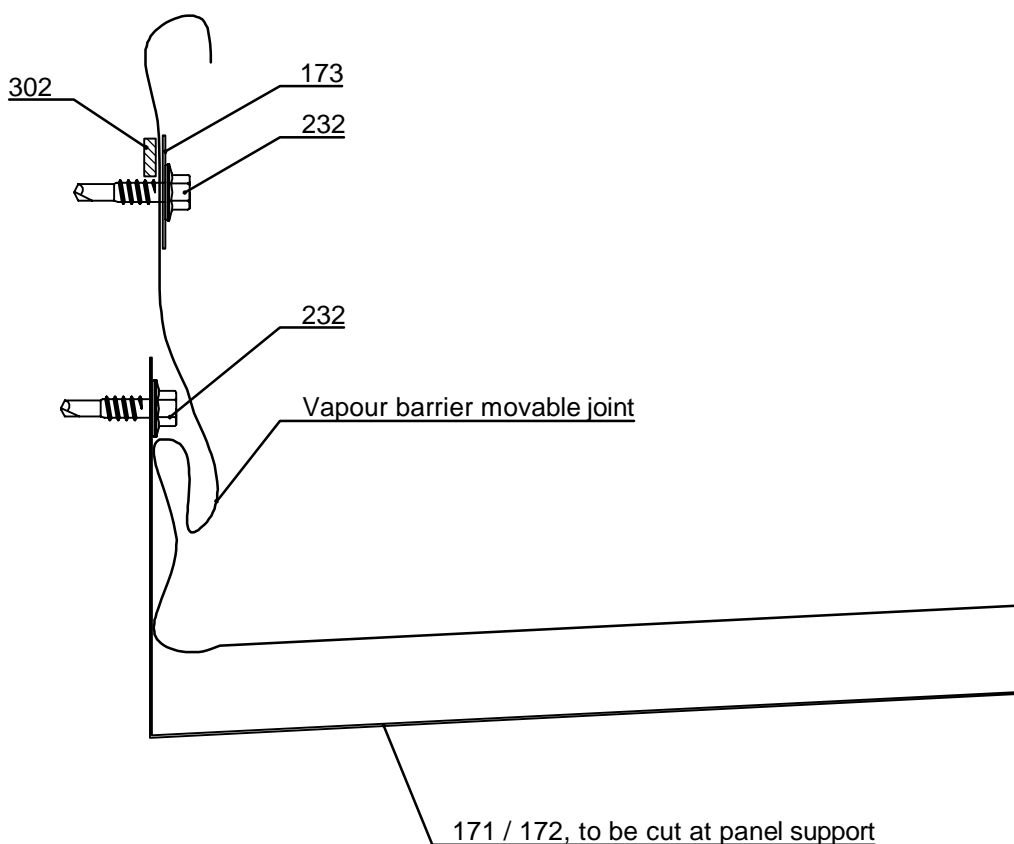
☒ Ruukki's delivery



Contents of drawing

Sandwich panel SPA, horizontal-, vertical-
and diagonal installation. Vapour barrier and
insulation support flashing fastening

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA06-13E-EN
Drawn by Ruukki	Rev.		
Scale 1:2	Building		File nr.



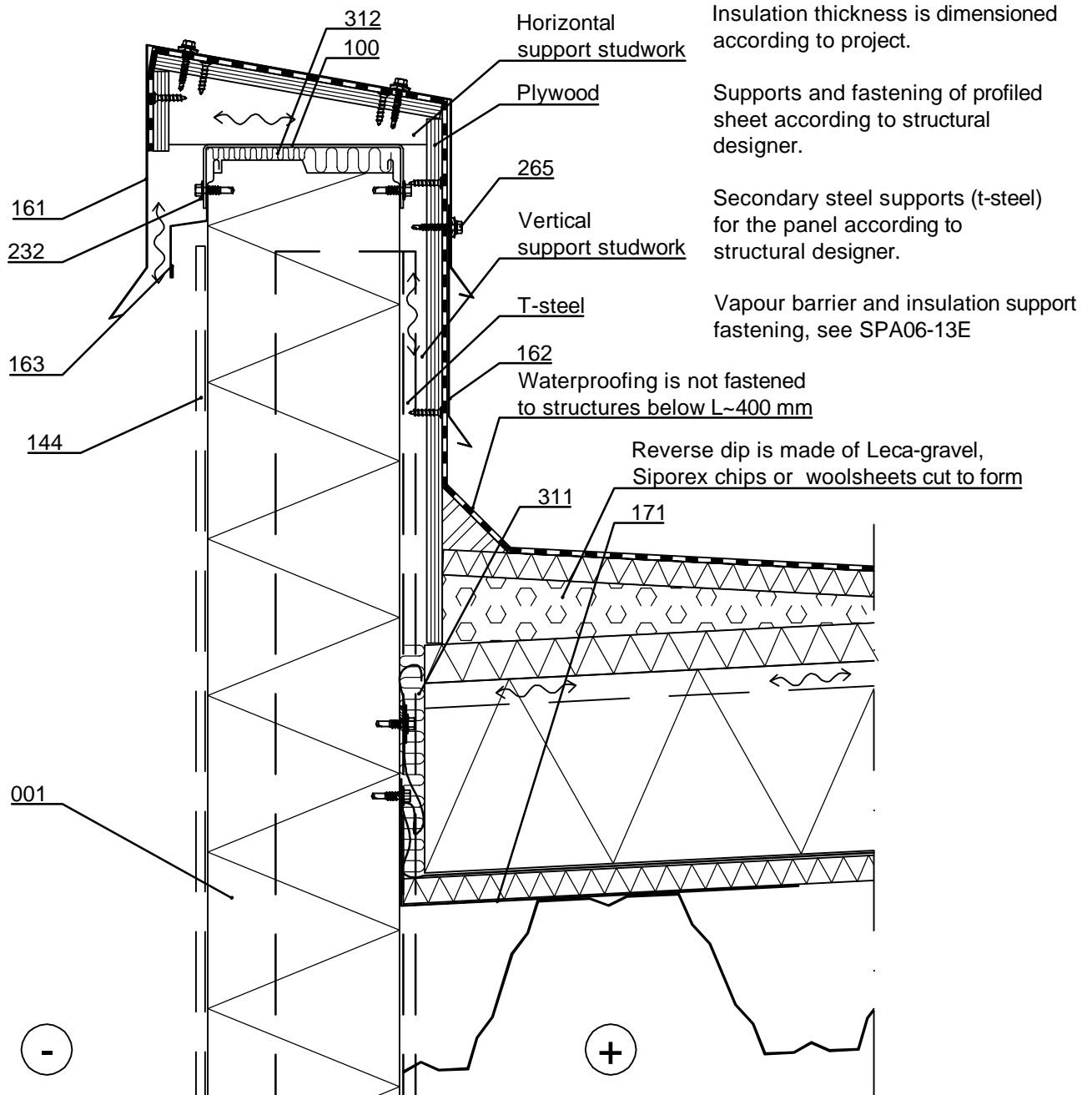
- ☐ 171. Insulation support flashing, $t = 0.6$ mm, according to project
- ☐ 172. Insulation support flashing, $t = 0.6$ mm
- ☐ 173. Flat flashing to vapour barrier fastening, $t = 0.6$ mm, according to project
- ☐ 232. Flashing fastener, without washer
- ☐ 302. /EA3SS410/ Sealing, between panel and vapour barrier

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Sandwich panel SPA, horizontal installation
Parapet, side eaves
Invisible flashing

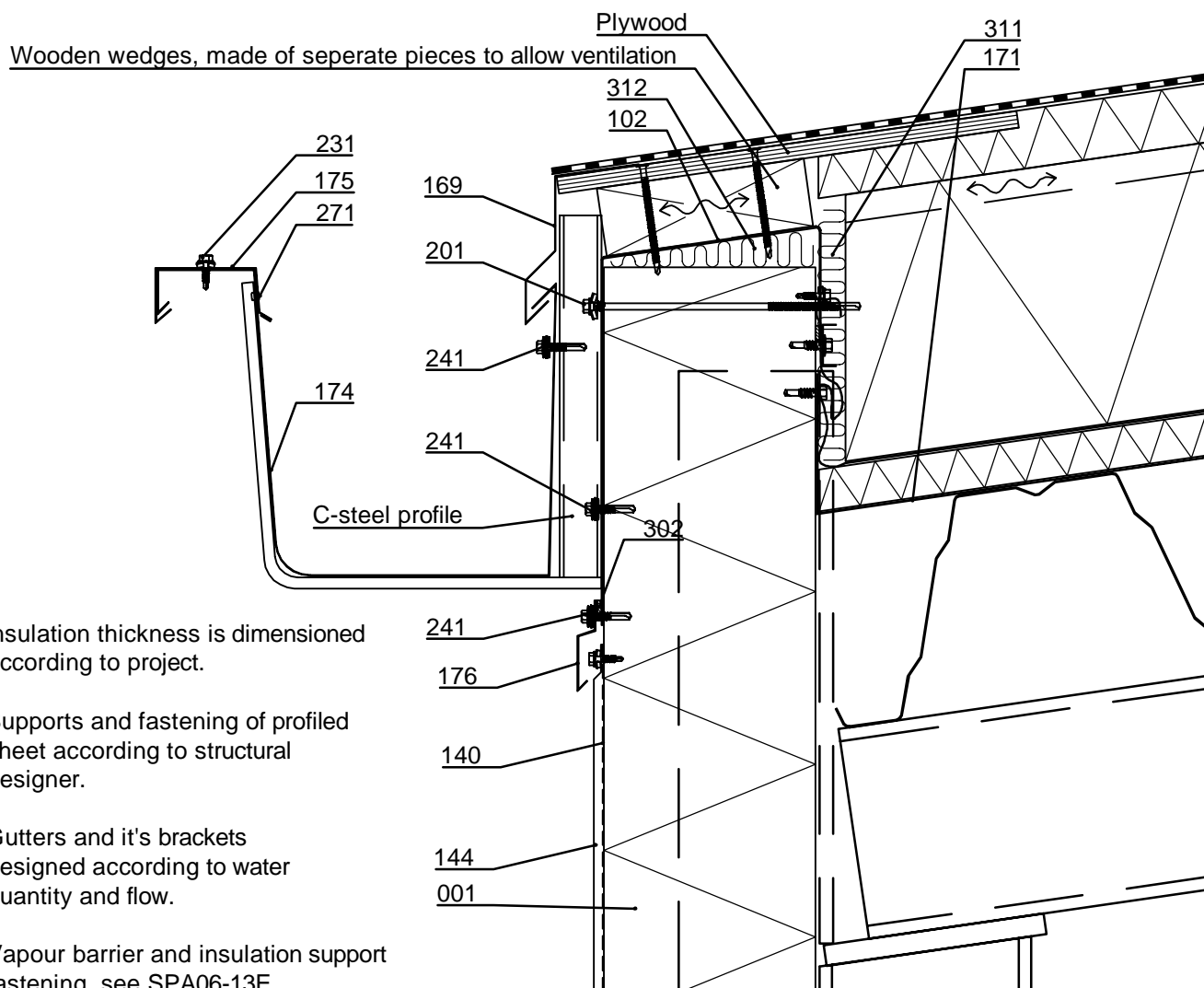
Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA06-30E-EN
Drawn by Ruukki	Rev.		
Scale 1:5	Building		File nr.



- ☐ 001. Sandwich panel SPA
- ☐ 100. /EA1EPF___/ Purlin
- ☐ 144. /EA1JVI/ Vertical joint flashing Invisible
- ☐ 161. Eave flashing, t = 0.6 mm, according to project
- ☐ 162. Cover flashing, t = 0.6 mm, according to project
- ☐ 163. Storm flashing, t = 0.6 mm, according to project
- ☐ 171. Insulation support flashing t = 0.6 mm, according to project
- ☐ 232. Flashing fastener, without washer
- ☐ 265. S3H55042WA4B Fastener, wood c/c600
- ☐ 311. Mineral wool
- ☐ 312. /EAWS___/ Mineral wool

☒ Ruukki's delivery

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA06-31E-EN
Drawn by Ruukki	Rev.		
Scale 1:5	Building		File nr.



Insulation thickness is dimensioned according to project.

Supports and fastening of profiled sheet according to structural designer.

Gutters and it's brackets designed according to water quantity and flow.

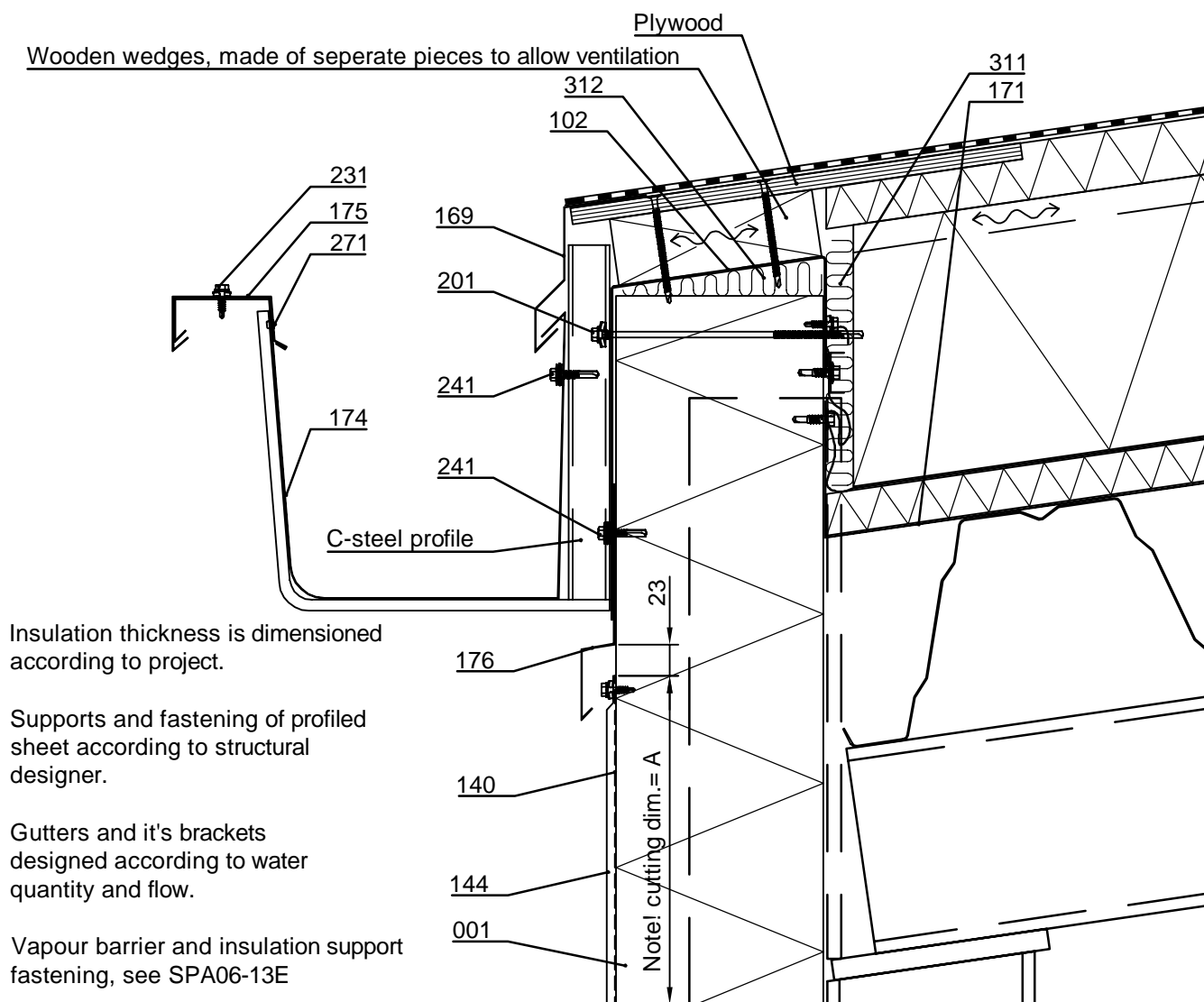
Vapour barrier and insulation support fastening, see SPA06-13E

NOTE! If lists 140 and 144 are needed to shorten, then the bottom strip 140 is cut from the upper edge 180mm shorter than the shortened vertical seam strip 144. List 144 is cut from the bottom edge (A) and the cut edge is sanded flat. Vertical seam list 144 installed from the bottom up.

- | | |
|---|--|
| <input type="checkbox"/> 001. Sandwich panel SPA | <input type="checkbox"/> 176. Storm flashing, t = 0.6 mm, according to project |
| <input type="checkbox"/> 102. Eave purlin, t = 2 mm, according to project | <input type="checkbox"/> 201. Self-drilling screw, washer with sealing |
| <input type="checkbox"/> 140. /EA1JVB4/ Vertical bottom flashing Invisible | <input type="checkbox"/> 231. Flashing fastener, washer with sealing |
| <input type="checkbox"/> 144. /EA1JVI/ Vertical joint flashing Invisible | <input type="checkbox"/> 241. Fastener screw, washer with sealing |
| <input type="checkbox"/> 169. Eave flashing, t = 0.6 mm, according to project | <input type="checkbox"/> 271. Rivet |
| <input type="checkbox"/> 171. Insulation support fl., t = 0.6 mm, acc. to project | <input type="checkbox"/> 302. /EA3SS410/ Sealing strip |
| <input type="checkbox"/> 174. Gutter, t = 0.6 mm, according to project | <input type="checkbox"/> 311. Mineral wool |
| <input type="checkbox"/> 175. Cover flashing, t = 0.6 mm, according to project | <input type="checkbox"/> 312. /EAWS___/ Mineral wool |

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Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA06-32E-EN
Drawn by Ruukki	Rev.		
Scale 1:5	Building	File nr.	



NOTE! If lists 140 and 144 are needed to shorten, then the bottom strip 140 is cut from the upper edge 180mm shorter than the shortened vertical seam strip 144.

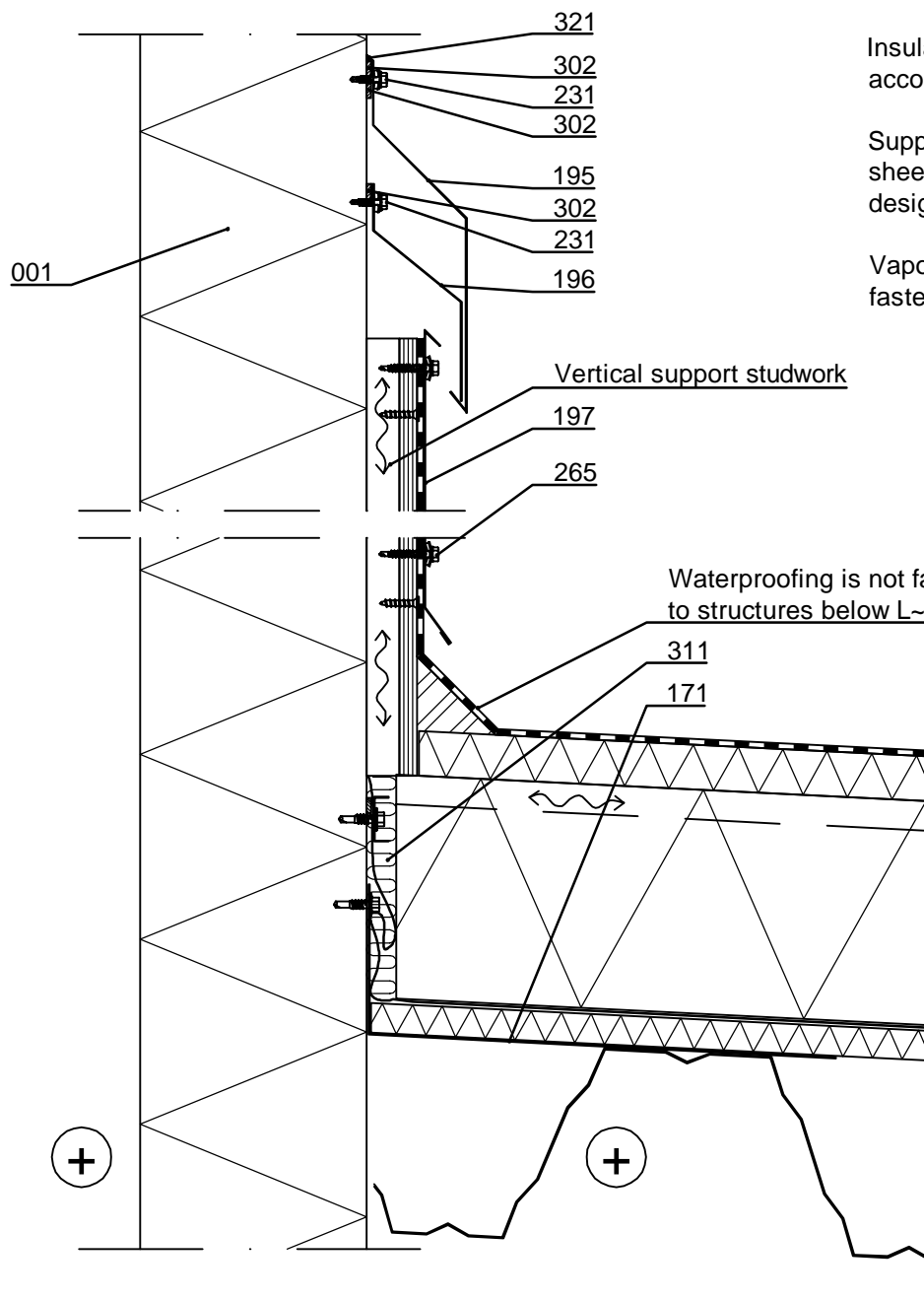
List 144 is cut from the bottom edge (A) and the cut edge is sanded flat. Vertical seam list 144 installed from the bottom up.

- | | |
|---|--|
| <input type="checkbox"/> 001. Sandwich panel SPA | <input type="checkbox"/> 176. Storm flashing, t = 0.6 mm, according to project |
| <input type="checkbox"/> 102. Eave purlin, t = 2 mm, according to project | <input type="checkbox"/> 201. Self-drilling screw, washer with sealing |
| <input type="checkbox"/> 140. /EA1JVB4/ Vertical bottom flashing Invisible | <input type="checkbox"/> 231. Flashing fastener, washer with sealing |
| <input type="checkbox"/> 144. /EA1JVI/ Vertical joint flashing Invisible | <input type="checkbox"/> 241. Fastener screw, washer with sealing |
| <input type="checkbox"/> 169. Eave flashing, t = 0.6 mm, according to project | <input type="checkbox"/> 271. Rivet |
| <input type="checkbox"/> 171. Insulation support fl., t = 0.6 mm, acc. to project | <input type="checkbox"/> 302. /EA3SS410/ Sealing strip |
| <input type="checkbox"/> 174. Gutter, t = 0.6 mm, according to project | <input type="checkbox"/> 311. Mineral wool |
| <input type="checkbox"/> 175. Cover flashing, t = 0.6 mm, according to project | <input type="checkbox"/> 312. /EAWS___/ Mineral wool |

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Sandwich panel SPA, horizontal installation
Uplifted roofing, vertical section

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA07-1E-EN
Drawn by Ruukki	Rev.		
Scale 1:5	Building		File nr.



Insulation thickness is dimensioned according to project.

Supports and fastening of profiled sheet according to structural designer.

Vapour barrier and insulation support fastening, see SPA06-13E

Waterproofing is not fastened to structures below L~400 mm

- ☐ 001. Sandwich panel SPA
- ☐ 171. Insulation support flashing, t = 0.6 mm, according to project
- ☐ 195. Drip flashing, t = 0.6 mm, according to project
- ☐ 196. Support flashing, t = 0.6 mm, according to project
- ☐ 197. Cover flashing, t = 0.6 mm, according to project
- ☐ 231. Flashing fastener, washer with sealing
- ☐ 265. Fastener screw to wood, washer with sealing
- ☐ 302. /EA3SS410/ Sealing strip /EA3SS510/ Sealing band EPDM for flashing (for demanding climate conditions e.g. coastal areas)
- ☐ 311. Mineral wool
- ☐ 321. Ruukki sealant mastic

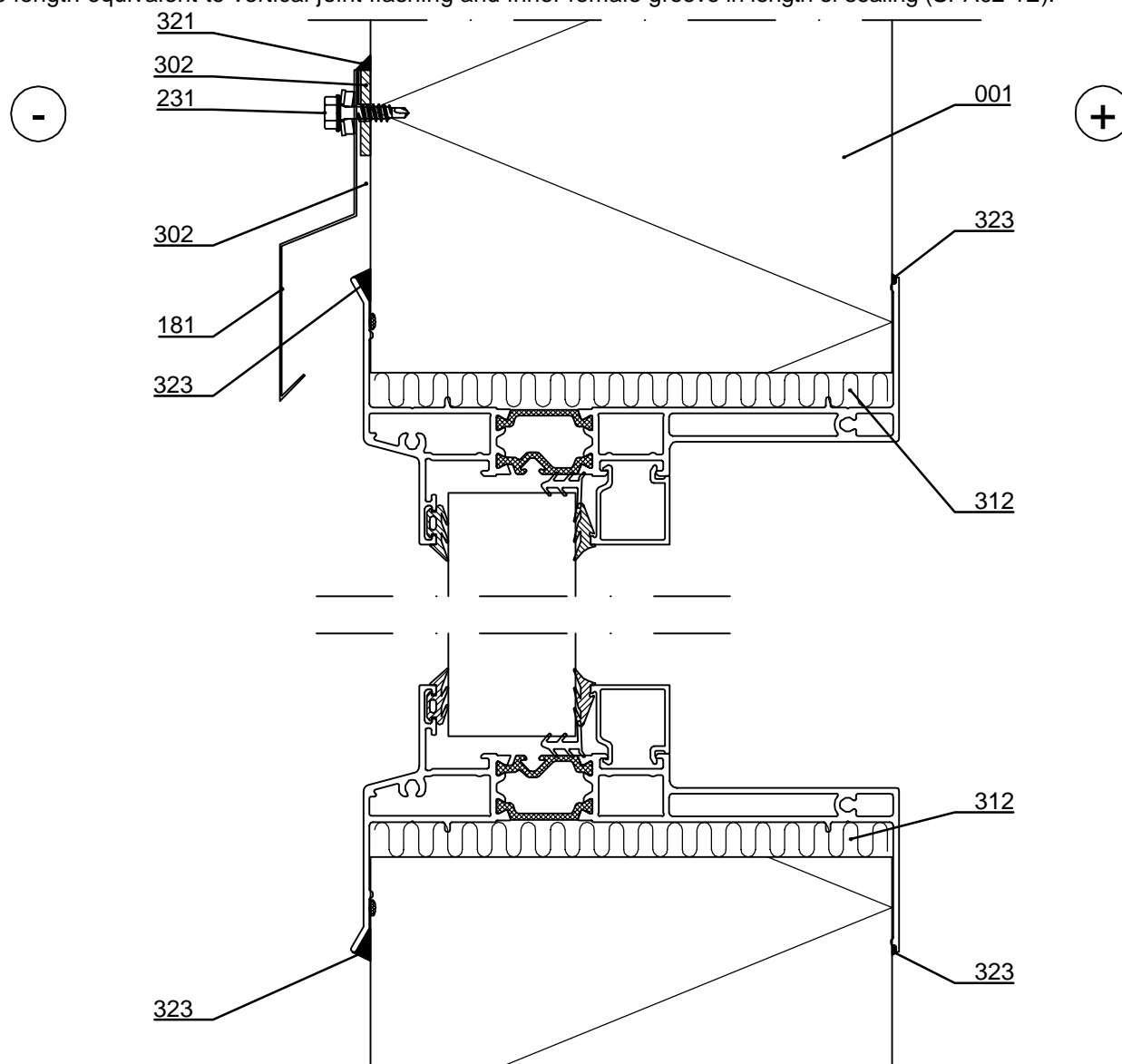
☒ Ruukki's delivery

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA08-1E-EN
Drawn by Ruukki	Rev.		
Scale 1:2	Building		File nr.

Note! Openings must be taken into account in dimensioning of panels.

Note! System window is installed during installation of panels. Fastening according to window manufacturers instructions.

Note! Remember to seal the grooves of the panels joining the window during the installation with sealant to outer female groove to length equivalent to vertical joint flashing and inner female groove in length of sealing (SPA02-1E).



- ☐ 001. Sandwich panel SPA
- ☐ 181. Drip flashing, t = 0.6 mm, according to project
- ☐ 231. Flashing fastener, washer with sealing
- ☐ 302. /EA3SS410/ Sealing strip
/EA3SS510/ Sealing band EPDM for flashing
(for demanding climate conditions e.g. coastal areas)

- ☐ 312. /EAWS___/ Mineral wool
- ☐ 321. Ruukki sealant mastic
- ☐ 323. Ruukki sealant mastic

☒ Ruukki's delivery



Contents of drawing

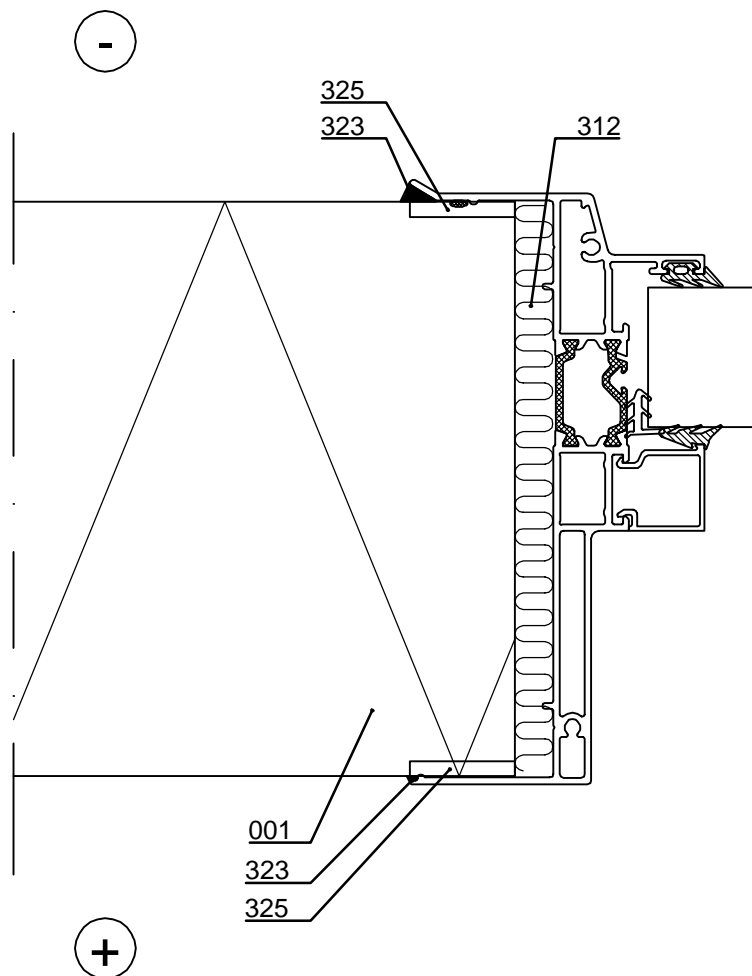
Sandwich panel SPA, horizontal installation
System window, horizontal section
Small window

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA08-2E-EN
Drawn by Ruukki	Rev.		
Scale 1:2	Building		File nr.

Note! Openings must be taken into account in dimensioning of panels.

Note! System window is installed during installation of panels. Fastening according to window manufacturers instructions.

Note! Remember to seal the grooves of the panels joining the window during the installation with sealant to outer female groove to length equivalent to vertical joint flashing and inner female groove in length of sealing (SPA02-1E).



- ☐ 001. Sandwich panel SPA
- ☐ 312. /EAWS___/ Mineral wool
- ☐ 323. Ruukki sealant mastic
- ☐ 325. Ruukki sealant mastic
during installation to outer and inner female grooves

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Contents of drawing

Sandwich panel SPA, horizontal installation
System window, vertical section
Large window, supporting structure

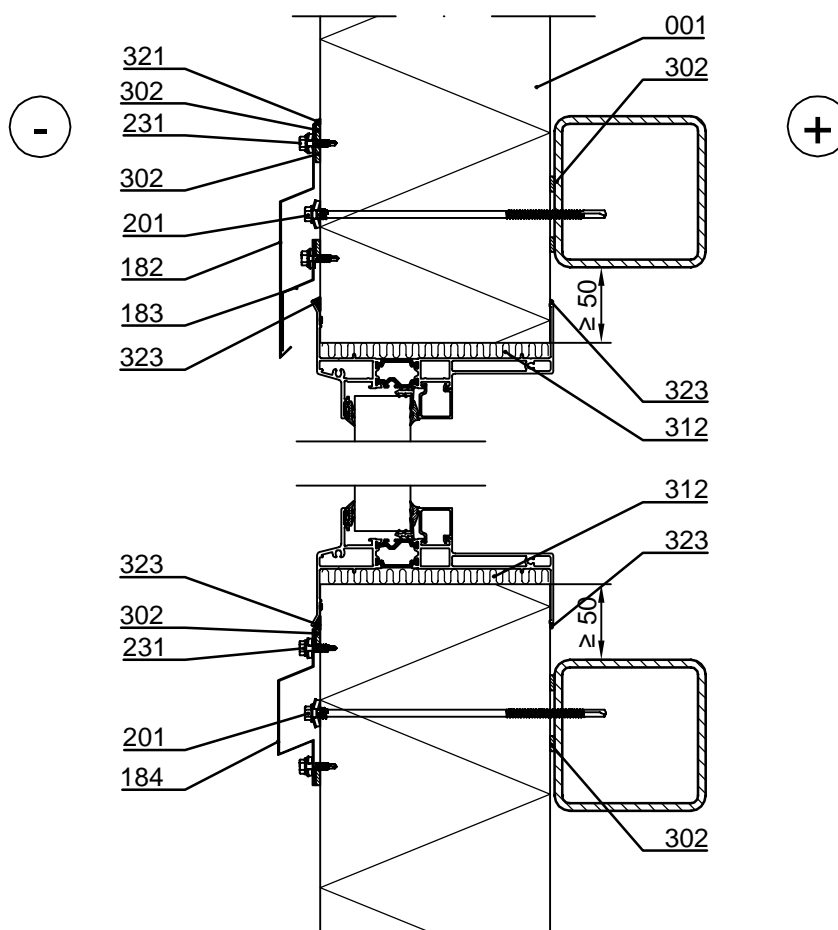
Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA08-3E-EN
Drawn by Ruukki	Rev.		
Scale 1:5	Building		File nr.

Note! Openings must be taken into account in dimensioning of panels.

Note! System window is installed during installation of panels. Fastening according to window manufacturers instructions.

Note! Remember to seal the grooves of the panels joining the window during the installation with sealant to outer female groove to length equivalent to vertical joint flashing and inner female groove in length of sealing (SPA02-1E).

Supporting structures according to structural designer.



- | | |
|--|--|
| <input type="checkbox"/> 001. Sandwich panel SPA | <input type="checkbox"/> 302. /EA3SS410/ Sealing strip |
| <input type="checkbox"/> 182. Drip flashing, t = 0.6 mm, according to project | <input type="checkbox"/> /EA3SS510/ Sealing band EPDM for flashing |
| <input type="checkbox"/> 183. Storm flashing, t = 0.6 mm, according to project | <input type="checkbox"/> (for demanding climate conditions e.g. coastal areas) |
| <input type="checkbox"/> 184. Cover flashing, t = 0.6 mm, according to project | <input type="checkbox"/> 312. /EAWS___/ Mineral wool |
| <input type="checkbox"/> 201. Self-drilling element screw, washer with sealing | <input type="checkbox"/> 321. Ruukki sealant mastic |
| <input type="checkbox"/> 231. Flashing fastener, washer with sealing | <input type="checkbox"/> 323. Ruukki sealant mastic |

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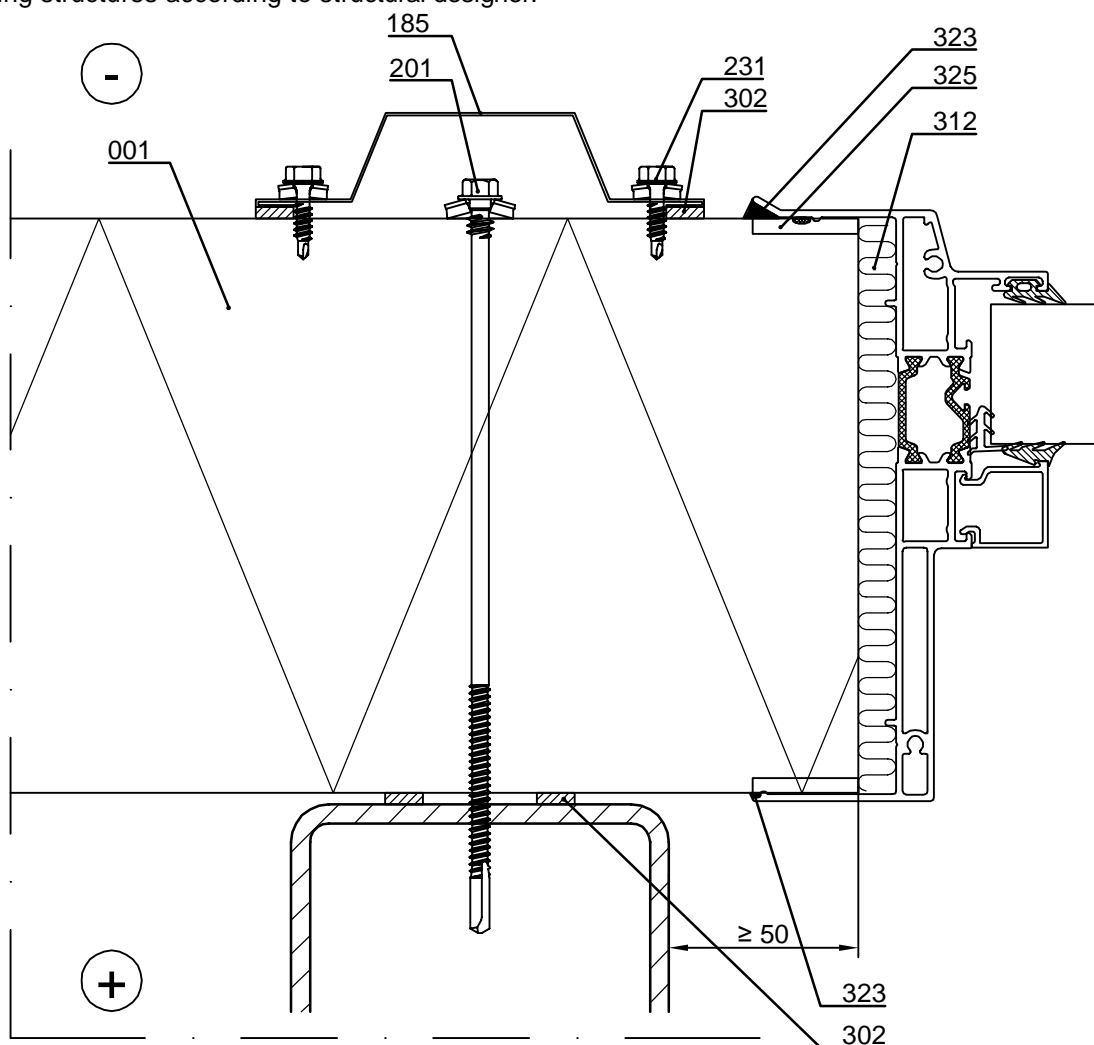
Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA08-4E-EN
Drawn by Ruukki	Rev.		
Scale 1:2	Building		File nr.

Note! Openings must be taken into account in dimensioning of panels.

Note! System window is installed during installation of panels. Fastening according to window manufacturers instructions.

Note! Remember to seal the grooves of the panels joining the window during the installation with sealant to outer female groove to length equivalent to vertical joint flashing and inner female groove in length of sealing (SPA02-1E).

Supporting structures according to structural designer.



- ☐ 001. Sandwich panel SPA
- ☐ 185. Cover flashing, t = 0.6 mm, according to project
- ☐ 201. Self-drilling element screw, washer with sealing
- ☐ 231. Flashing fastener, washer with sealing
- ☐ 302. /EA3SS410/ Sealing strip
/EA3SS510/ Sealing band EPDM for flashing
(for demanding climate conditions e.g. coastal areas)

- ☐ 312. /EAWS___/ Mineral wool
- ☐ 323. Ruukki sealant mastic
- ☐ 325. Ruukki sealant mastic
to outer and inner female grooves

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Contents of drawing

Sandwich panel SPA, horizontal installation
Window, vertical section

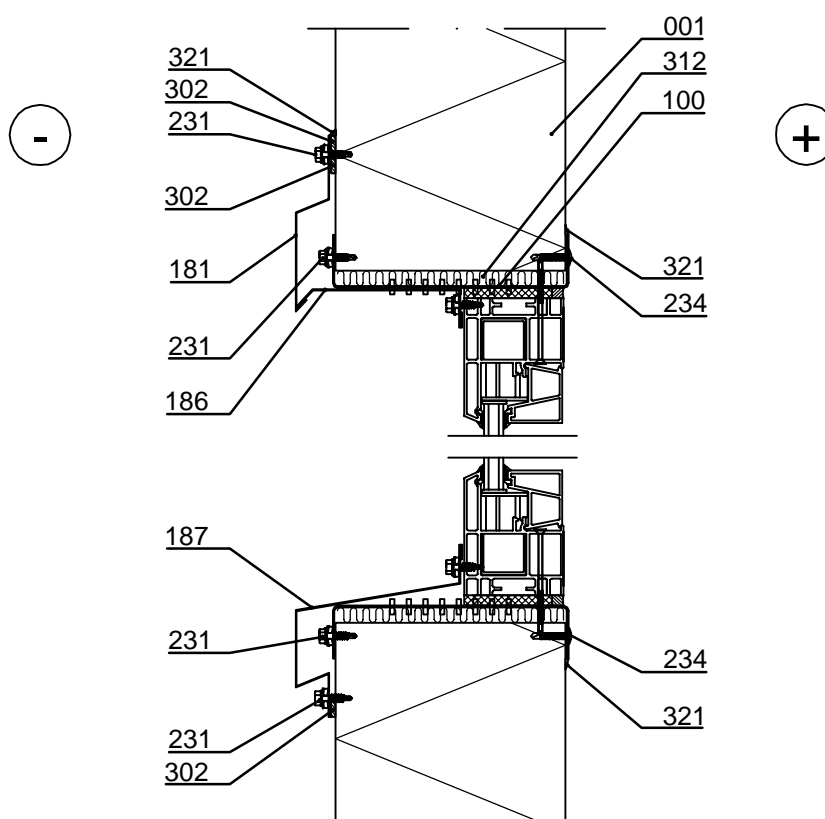
Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA08-5E-EN
Drawn by Ruukki	Rev.		
Scale 1:5	Building	File nr.	

Note! Openings must be taken into account in dimensioning of panels.

Note! When thermal purlin (window purlin, for example) is used around the opening, the thermal holes of the purlin must be sealed with tape (aluminium tape, for example) from the inside of the purlin to ensure tightness of the purlin.

Note! Remember to seal the grooves of the panels joining the window during the installation with sealant to outer female groove to length equivalent to vertical joint flashing and inner female groove in length of sealing (SPA02-1E).

Supporting structures, if necessary, according to structural designer (SPA08-3E).



- | | |
|--|--|
| <input type="checkbox"/> 001. Sandwich panel SPA | <input type="checkbox"/> 234. Flat head flashing fastener |
| <input type="checkbox"/> 100. /EA1W___/ Window frame stud | <input type="checkbox"/> 302. /EA3SS410/ Sealing strip |
| <input type="checkbox"/> 181. Drip flashing, t = 0.6 mm, according to project | <input type="checkbox"/> /EA3SS510/ Sealing band EPDM for flashing |
| <input type="checkbox"/> 186. Support- / cover flashing, t = 0.6 mm, acc. to project | <input type="checkbox"/> (for demanding climate conditions e.g. coastal areas) |
| <input type="checkbox"/> 187. External window sill, t = 0.6 mm, acc. to project | <input type="checkbox"/> 312. /EAWS___/ Mineral wool |
| <input type="checkbox"/> 231. Flashing fastener, washer with sealing | <input type="checkbox"/> 321. Ruukki sealant mastic |

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Contents of drawing

Sandwich panel SPA, horizontal installation
Window, horizontal section

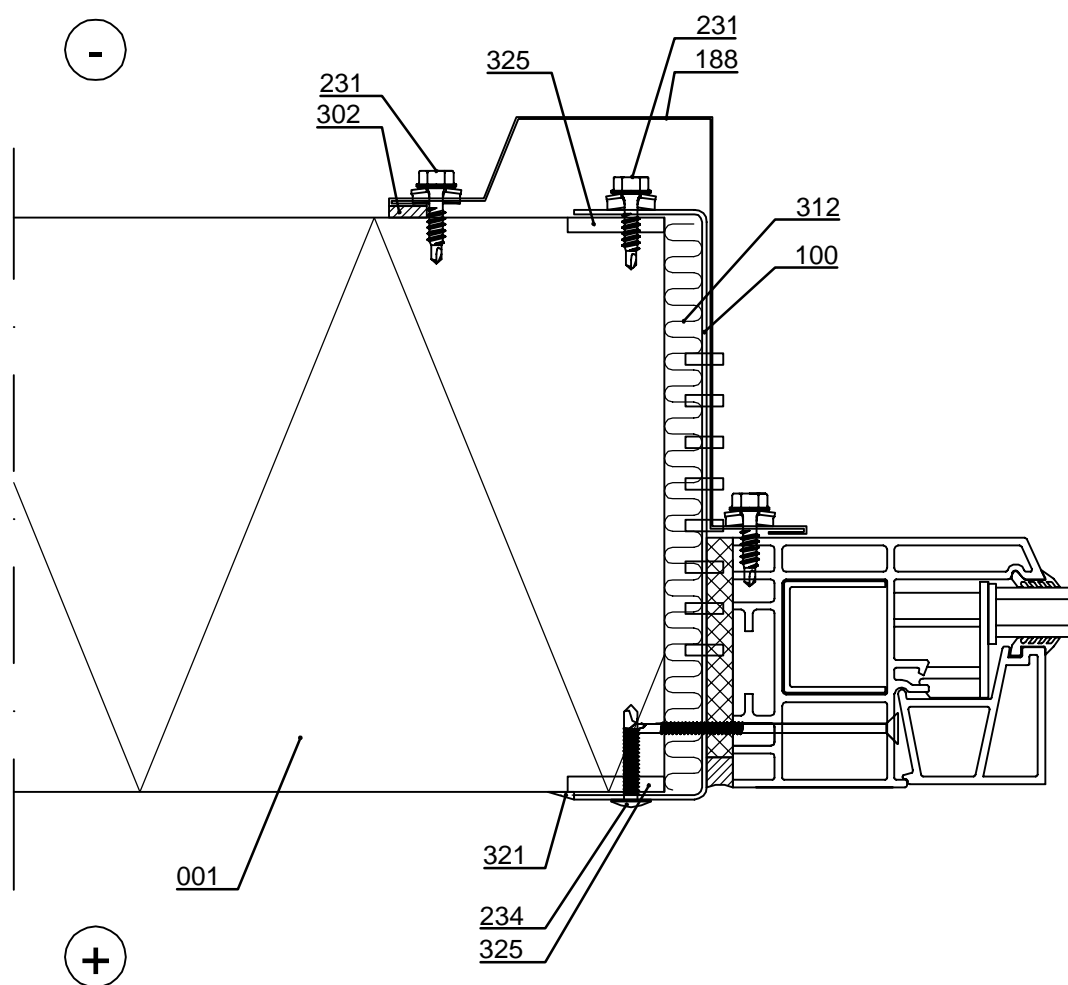
Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA08-6E-EN
Drawn by Ruukki	Rev.		
Scale 1:2	Building		File nr.

Note! Openings must be taken into account in dimensioning of panels.

Note! When thermal purlin (window purlin, for example) is used around the opening, the thermal holes of the purlin must be sealed with tape (aluminium tape, for example) from the inside of the purlin to ensure tightness of the purlin..

Note! Remember to seal the grooves of the panels joining the window during the installation with sealant to outer female groove to length equivalent to vertical joint flashing and inner female groove in length of sealing (SPA02-1E).

Supporting structures, if necessary, according to structural designer (SPA08-4E).



- ☐ 001. Sandwich panel SPA
- ☐ 100. /EA1W___/ Window frame stud
- ☐ 188. Cover flashing, t = 0.6 mm, according to project
- ☐ 231. Flashing fastener, washer with sealing
- ☐ 234. Flat head flashing fastener
- ☐ 302. /EA3SS410/ Sealing strip
/EA3SS510/ Sealing band EPDM for flashing
(for demanding climate conditions e.g. coastal areas)
- ☐ 312. /EAWS___/ Mineral wool
- ☐ 321. Ruukki sealant mastic
- ☐ 325. Ruukki sealant mastic
to outer and inner female grooves

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Contents of drawing

Sandwich panel SPA, horizontal installation
Window, vertical section
Invisible flashing

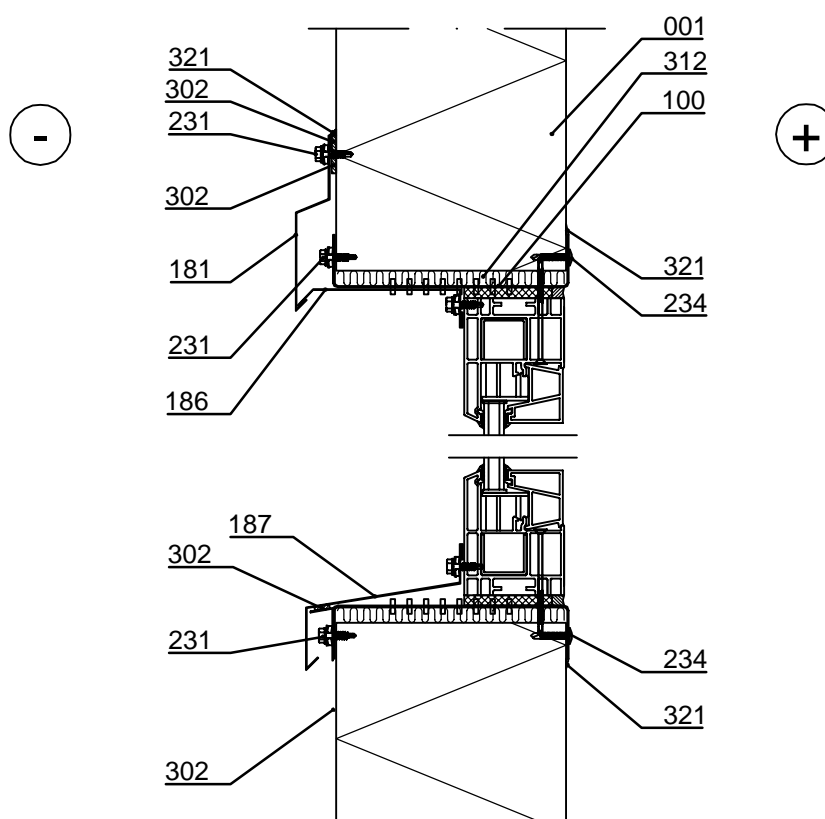
Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA08-30E-EN
Drawn by Ruukki	Rev.		
Scale 1:5	Building	File nr.	

Note! Openings must be taken into account in dimensioning of panels.

Note! When thermal purlin (window purlin, for example) is used around the opening, the thermal holes of the purlin must be sealed with tape (aluminium tape, for example) from the inside of the purlin to ensure tightness of the purlin.

Note! Remember to seal the grooves of the panels joining the window during the installation with sealant to outer female groove to length equivalent to vertical joint flashing and inner female groove in length of sealing (SPA02-1E).

Supporting structures, if necessary, according to structural designer (SPA08-3E).



- | | |
|--|---|
| <input type="checkbox"/> 001. Sandwich panel SPA | <input type="checkbox"/> 234. Flat head flashing fastener |
| <input type="checkbox"/> 100. /EA1W___/ Window frame stud | <input type="checkbox"/> 302. /EA3SS410/ Sealing strip |
| <input type="checkbox"/> 181. Drip flashing, t = 0.6 mm, according to project | <input type="checkbox"/> /EA3SS510/ Sealing band EPDM for flashing |
| <input type="checkbox"/> 186. Support- / cover flashing, t = 0.6 mm, acc. to project | <input type="checkbox"/> (for demanding climate conditions e.g. coastal areas)" |
| <input type="checkbox"/> 187. External window sill, t = 0.6 mm, acc. to project | <input type="checkbox"/> 312. /EAWS5657850/ Mineral wool |
| <input type="checkbox"/> 231. Flashing fastener, washer with sealing | <input type="checkbox"/> 321. Ruukki sealant mastic |

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Contents of drawing

Sandwich panel SPA, horizontal installation
Window, horizontal section
Invisible flashing

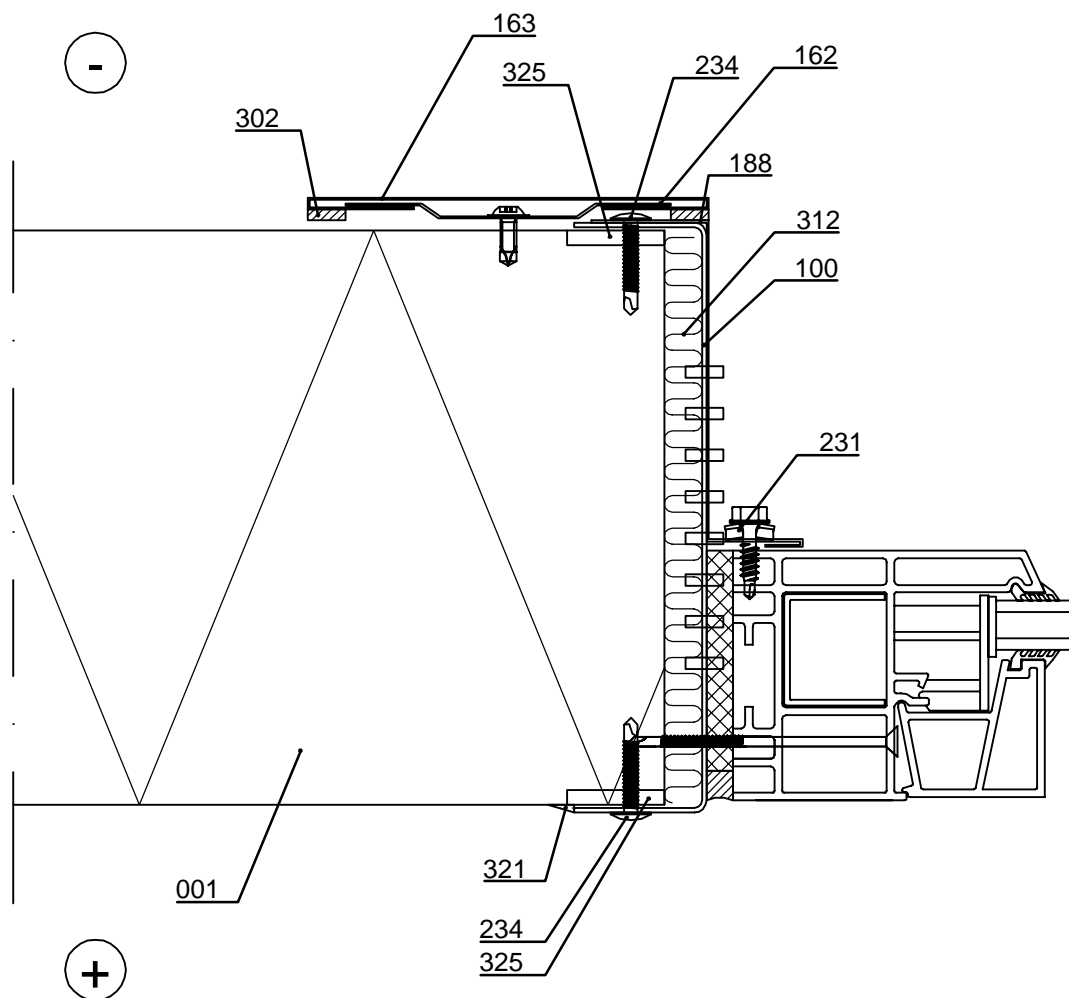
Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA08-31E-EN
Drawn by Ruukki	Rev.		
Scale 1:2	Building	File nr.	

Note! Openings must be taken into account in dimensioning of panels.

Note! When thermal purlin (window purlin, for example) is used around the opening, the thermal holes of the purlin must be sealed with tape (aluminium tape, for example) from the inside of the purlin to ensure tightness of the purlin..

Note! Remember to seal the grooves of the panels joining the window during the installation with sealant to outer female groove to length equivalent to vertical joint flashing and inner female groove in length of sealing (SPA02-1E).

Supporting structures, if necessary, according to structural designer (SPA08-4E).



- ☐ 001. Sandwich panel SPA
- ☐ 100. /EA1W___/ Window frame stud
- ☐ 162. /EA1WXBI/ Window bottom flashing Invisible
- ☐ 163. /EA1WEI/ Window flashing Invisible
- ☐ 188. Cover flashing, t = 0.6 mm, according to project
- ☐ 231. Flashing fastener, washer with sealing
- ☐ 234. Flat head flashing fastener
- ☐ 302. /EA3SS410/ Sealing strip
/EA3SS510/ Sealing band EPDM for flashing
(for demanding climate conditions e.g. coastal areas)
- ☐ 312. /EAWS___/ Mineral wool
- ☐ 321. Ruukki sealant mastic
- ☐ 325. Ruukki sealant mastic
during installation to outer- and inner groove

☒ Ruukki's delivery

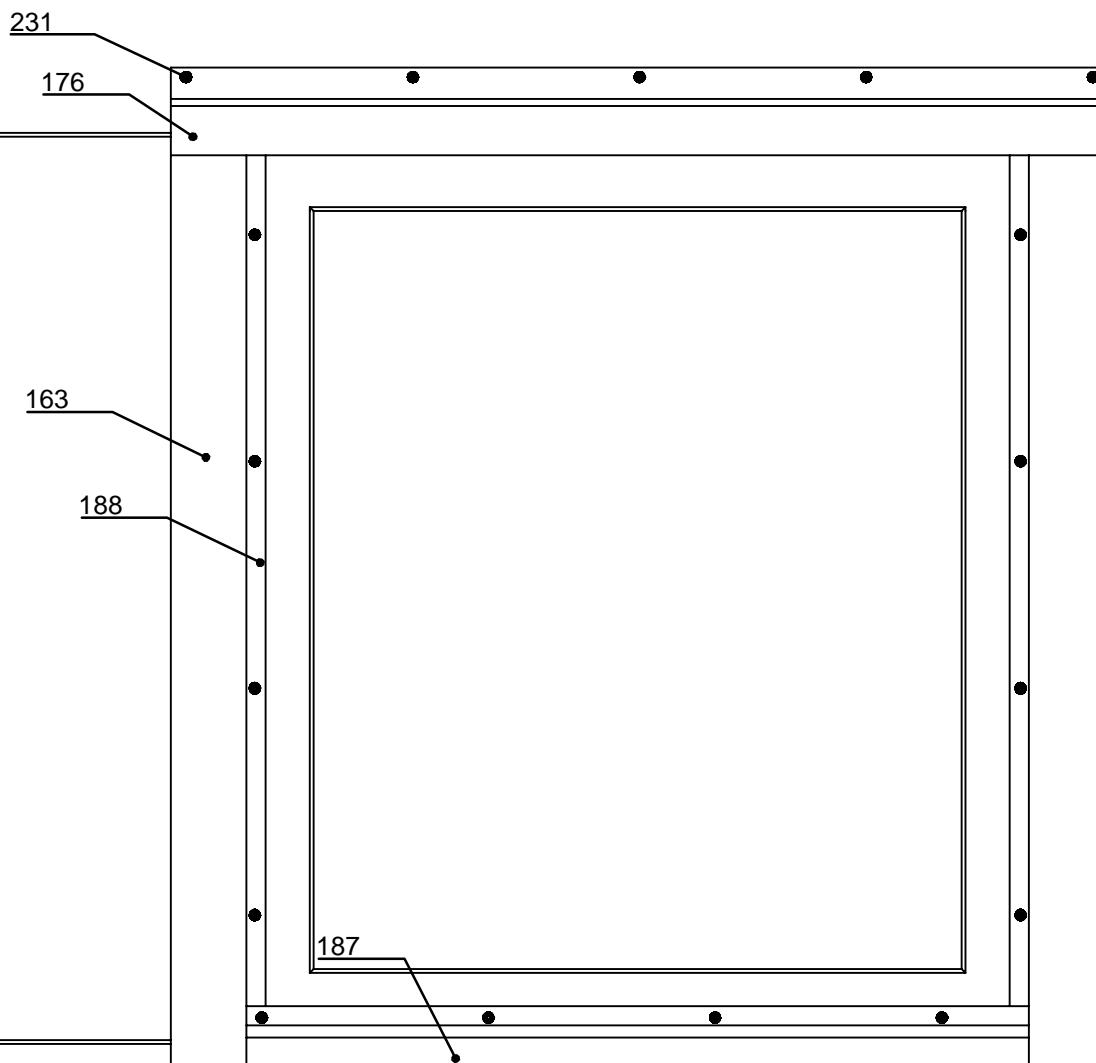
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Contents of drawing

Sandwich panel SPA, horizontal installation
Window
Invisible flashing

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA08-32E-EN
Drawn by Ruukki	Rev.		
Scale 1:10	Building		File nr.



- ☐ 163. /EA1WEI/ Window flashing Invisible
- ☐ 176. Drip flashing, t = 0.6 mm, according to project
- ☐ 187. External window sill, t = 0.6 mm, according to project
- ☐ 188. Cover flashing, t = 0.6 mm, according to project
- ☐ 231. Flashing fastener, washer with sealing

☒ Ruukki's delivery

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Contents of drawing

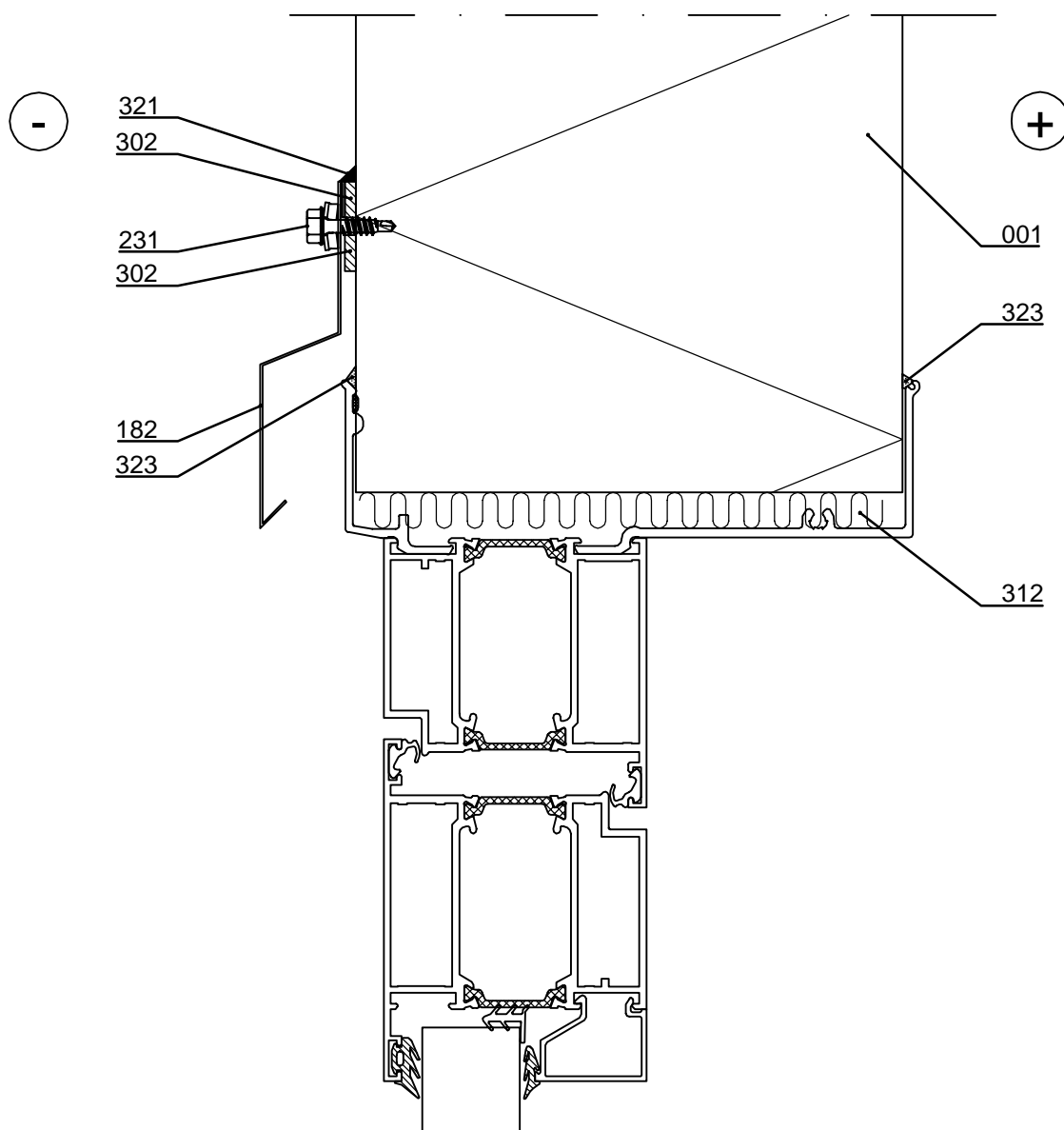
Sandwich panel SPA, horizontal installation
System door, vertical section
Single door

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA09-1E-EN
Drawn by Ruukki	Rev.		
Scale 1:2	Building		File nr.

Note! Openings must be taken into account in dimensioning of panels.

Note! System door is installed during installation of panels. Fastening according to door manufacturers instructions.

Note! Remember to seal the grooves of the panels joining the door during the installation with sealant to outer female groove to length equivalent to vertical joint flashing and inner female groove in length of sealing (SPA02-1E).



- | | |
|--|--|
| <input type="checkbox"/> 001. Sandwich panel SPA | <input type="checkbox"/> 312. /EAWS___/ Mineral wool |
| <input type="checkbox"/> 182. Drip flashing, t = 0.6 mm, according to project | <input type="checkbox"/> 321. Ruukki sealant mastic |
| <input type="checkbox"/> 231. Flashing fastener, washer with sealing | <input type="checkbox"/> 323. Ruukki sealant mastic |
| <input type="checkbox"/> 302. /EA3SS410/ Sealing strip
/EA3SS510/ Sealing band EPDM for flashing
(for demanding climate conditions e.g. coastal areas) | |

☒ Ruukki's delivery

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Contents of drawing

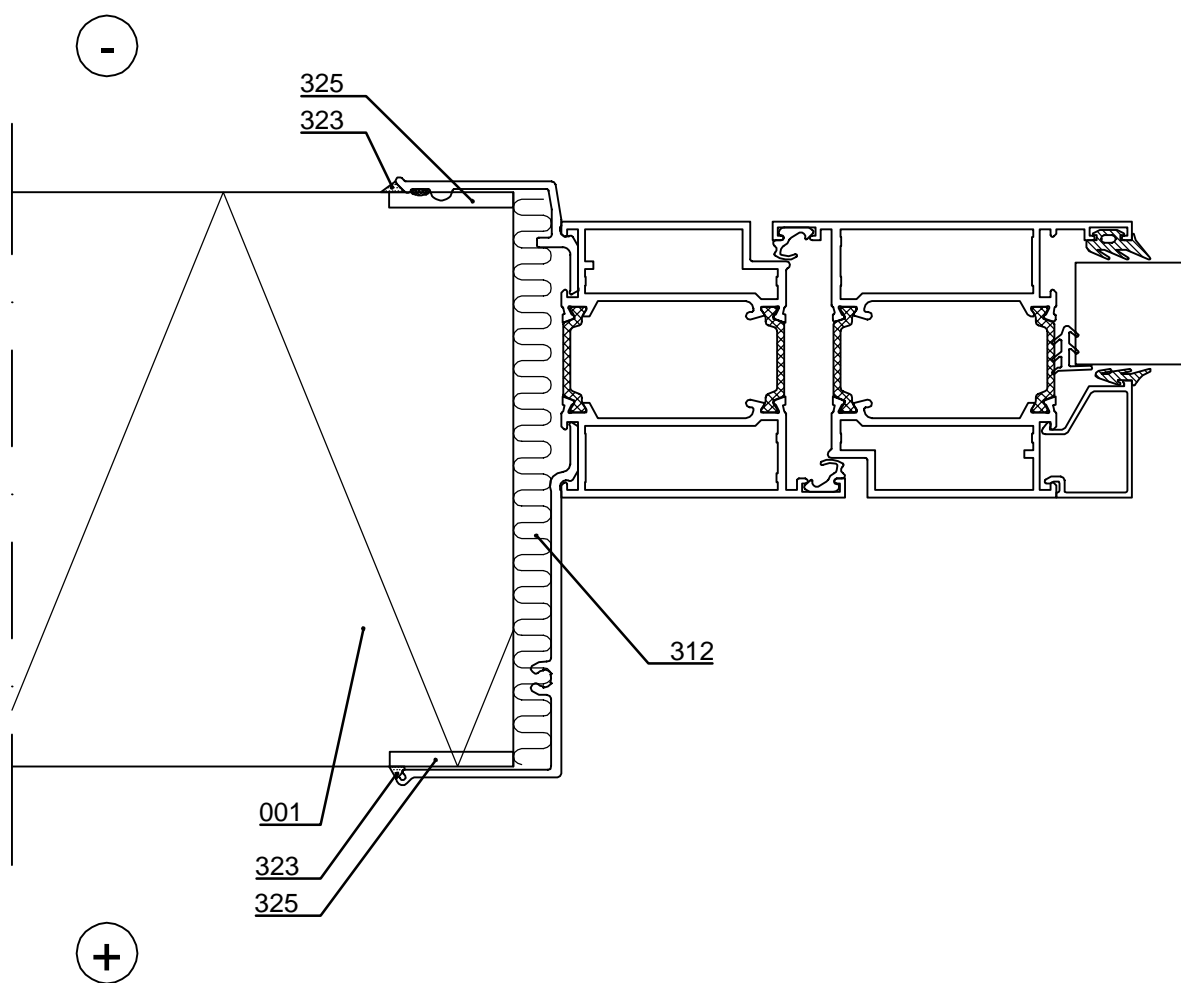
Sandwich panel SPA, horizontal installation
System door, horizontal section
Single door

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA09-2E-EN
Drawn by Ruukki	Rev.		
Scale 1:2	Building		File nr.

Note! Openings must be taken into account in dimensioning of panels.

Note! System door is installed during installation of panels. Fastening according to door manufacturers instructions.

Note! Remember to seal the grooves of the panels joining the door during the installation with sealant to outer female groove to length equivalent to vertical joint flashing and inner female groove in length of sealing (SPA02-1E).



- ☐ 001. Sandwich panel SPA
- ☐ 312. /EAWS___/ Mineral wool
- ☐ 323. Ruukki sealant mastic
- ☐ 325. Ruukki sealant mastic
during installation to outer and inner female grooves

☒ Ruukki's delivery

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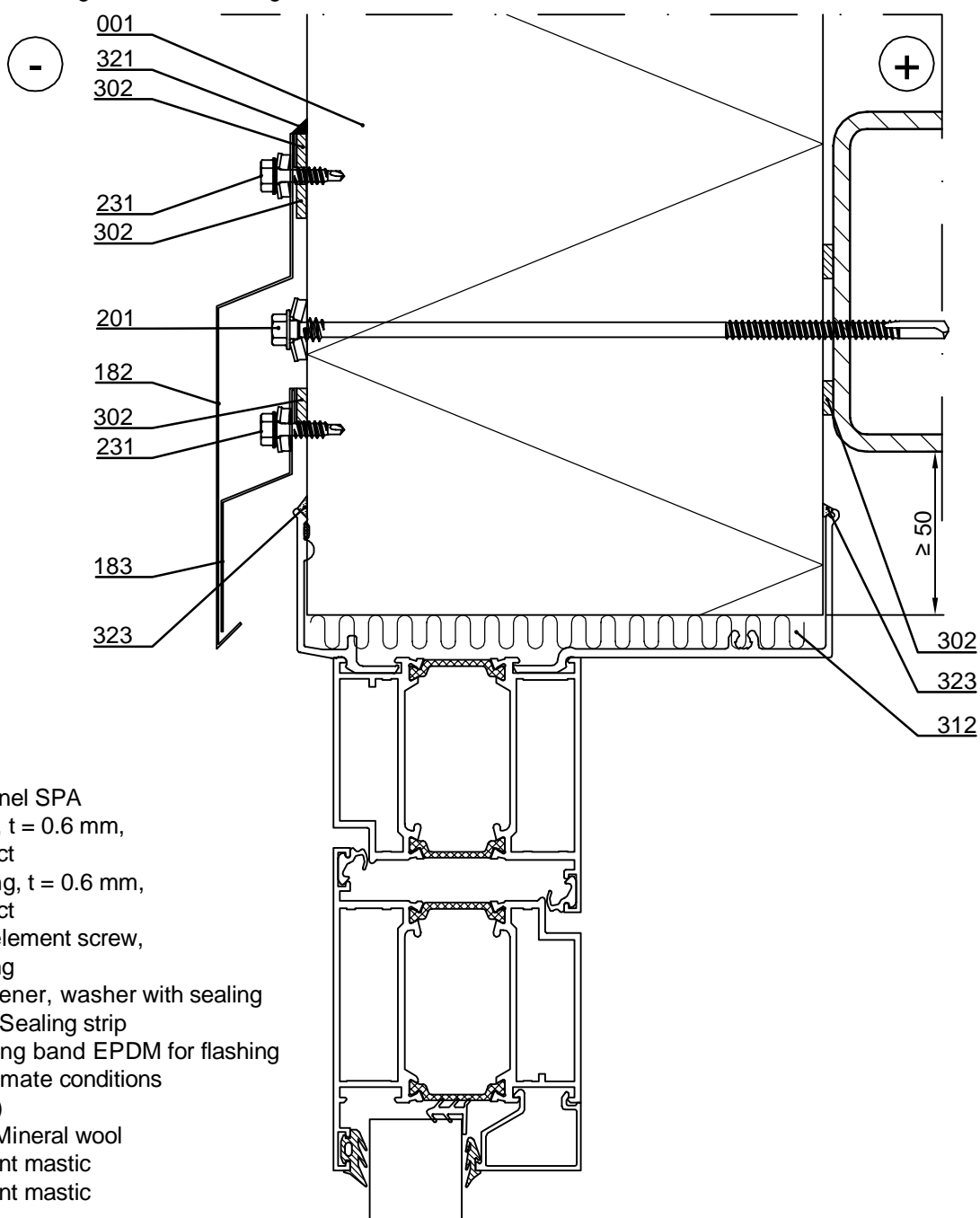
Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA09-3E-EN
Drawn by Ruukki	Rev.		
Scale 1:2	Building		File nr.

Note! Openings must be taken into account in dimensioning of panels.

Note! System door is installed during installation of panels. Fastening according to door manufacturers instructions.

Note! Remember to seal the grooves of the panels joining the door during the installation with sealant to outer female groove to length equivalent to vertical joint flashing and inner female groove in length of sealing (SPA02-1E).

Supporting structures according to structural designer.



- ☐ 001. Sandwich panel SPA
- ☐ 182. Drip flashing, t = 0.6 mm, according to project
- ☐ 183. Storm flashing, t = 0.6 mm, according to project
- ☐ 201. Self-drilling element screw, washer with sealing
- ☐ 231. Flashing fastener, washer with sealing
- ☐ 302. /EA3SS410/ Sealing strip /EA3SS510/ Sealing band EPDM for flashing (for demanding climate conditions e.g. coastal areas)
- ☐ 312. /EAWS___/ Mineral wool
- ☐ 321. Ruukki sealant mastic
- ☐ 323. Ruukki sealant mastic

☒ Ruukki's delivery

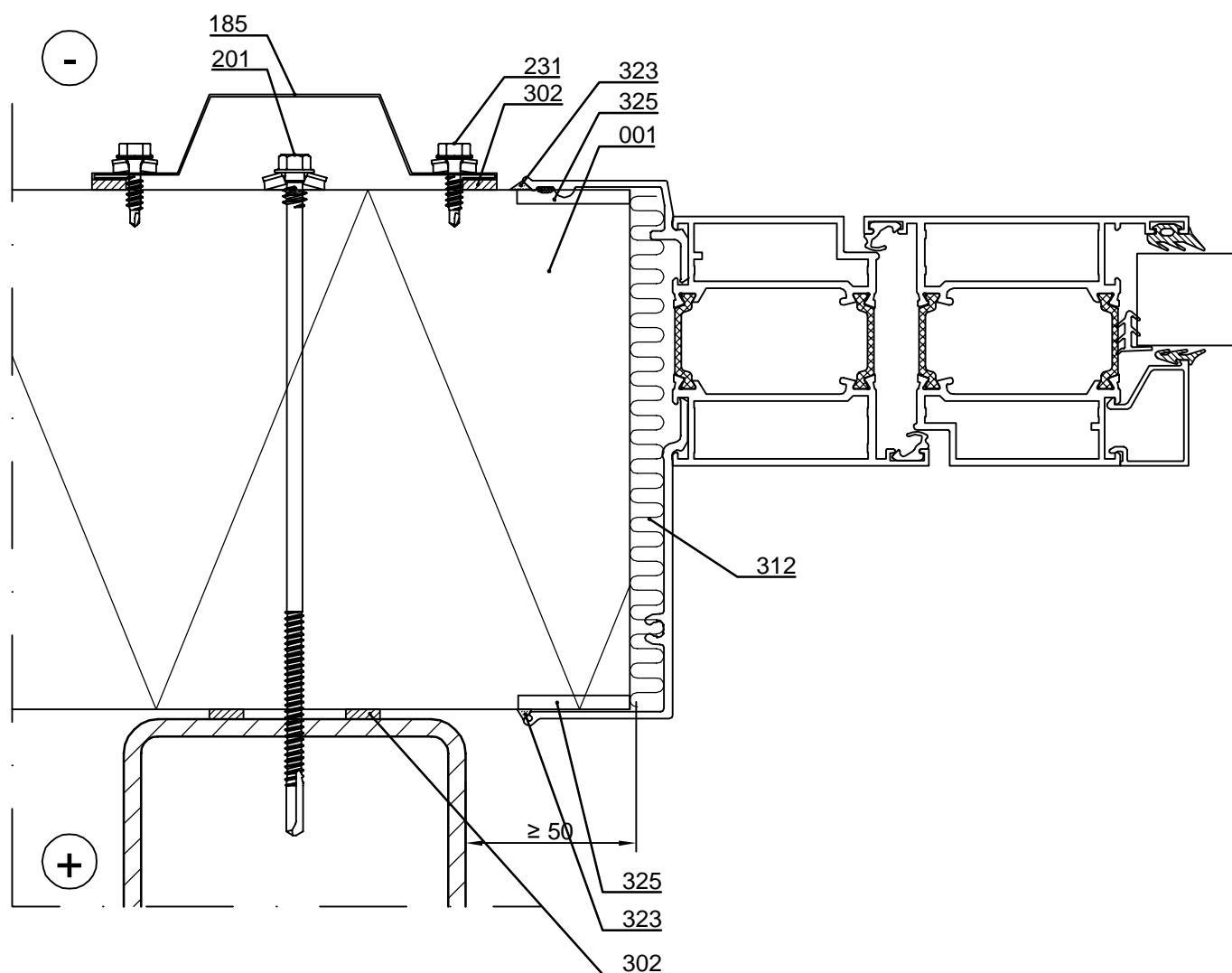
Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA09-4E-EN
Drawn by Ruukki	Rev.		
Scale 1:2	Building		File nr.

Note! Openings must be taken into account in dimensioning of panels.

Note! System door is installed during installation of panels. Fastening according to door manufacturers instructions.

Note! Remember to seal the grooves of the panels joining the door during the installation with sealant to outer female groove to length equivalent to vertical joint flashing and inner female groove in length of sealing (SPA02-1E).

Supporting structures according to structural designer.



- ☐ 001. Sandwich panel SPA
- ☐ 185. Cover flashing, t = 0.6 mm, according to project
- ☐ 201. Self-drilling element screw, washer with sealing
- ☐ 231. Flashing fastener, washer with sealing
- ☐ 302. /EA3SS410/ Sealing strip
/EA3SS510/ Sealing band EPDM for flashing
(for demanding climate conditions e.g. coastal areas)

- ☐ 312. /EAWS___/ Mineral wool
- ☐ 323. Ruukki sealant mastic
- ☐ 325. Ruukki sealant mastic
to outer and inner female grooves

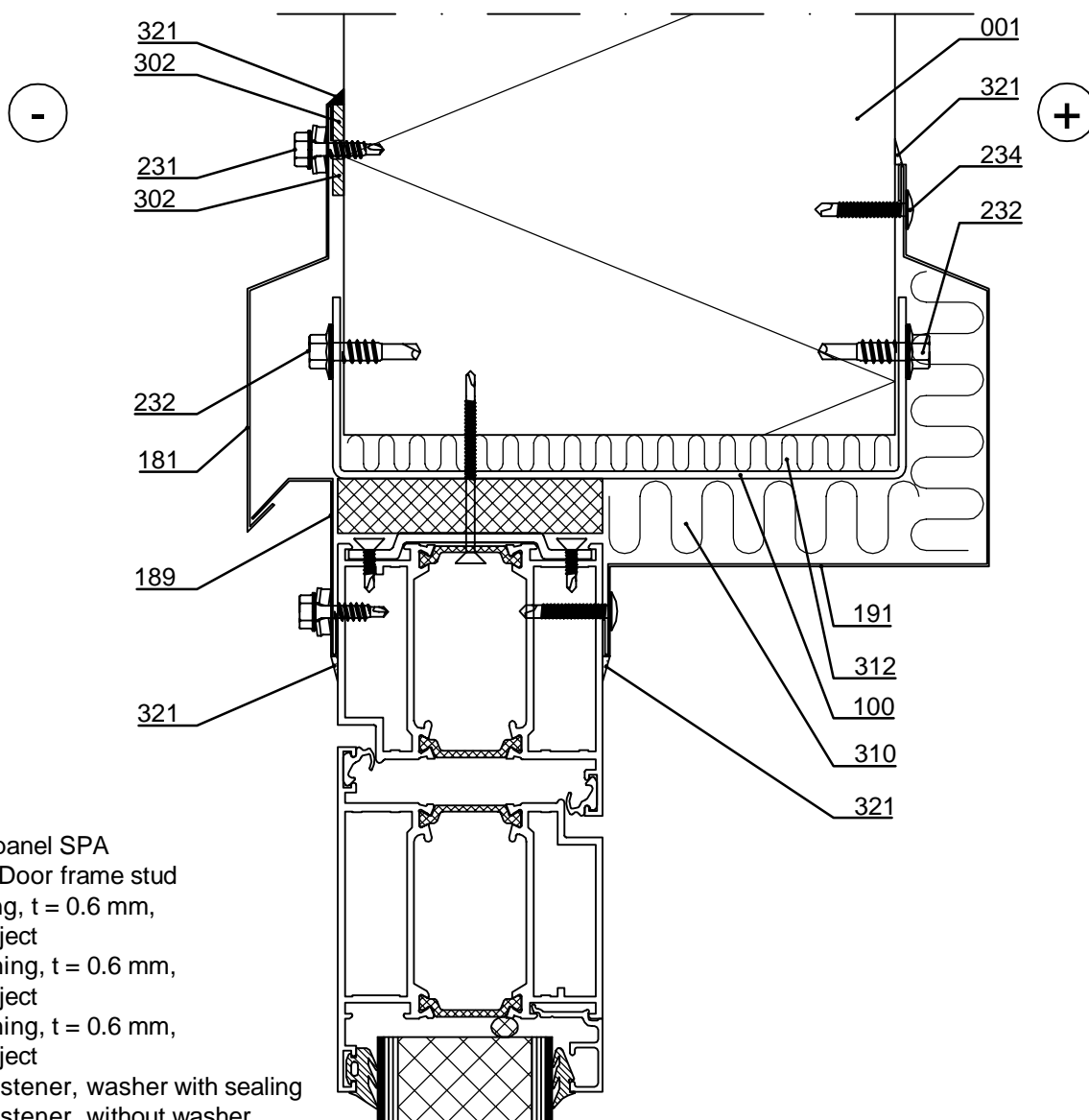
☒ Ruukki's delivery

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA09-5E-EN
Drawn by Ruukki	Rev.		
Scale 1:2	Building		File nr.

Note! Openings must be taken into account in dimensioning of panels.

Note! Remember to seal the grooves of the panels joining the door during the installation with sealant to outer female groove to length equivalent to vertical joint flashing and inner female groove in length of sealing (SPA02-1E).

Supporting structures, if necessary, according to structural designer (SPA09-3E).



- ☐ 001. Sandwich panel SPA
- ☐ 100. EA1D___/ Door frame stud
- ☐ 181. Drip flashing, t = 0.6 mm, according to project
- ☐ 189. Cover flashing, t = 0.6 mm, according to project
- ☐ 191. Cover flashing, t = 0.6 mm, according to project
- ☐ 231. Flashing fastener, washer with sealing
- ☐ 232. Flashing fastener, without washer
- ☐ 234. Flat head flashing fastener
- ☐ 302. /EA3SS410/ Sealing strip
/EA3SS510/ Sealing band EPDM for flashing
(for demanding climate conditions e.g. coastal areas)
- ☐ 310. Mineral wool
- ☐ 312. /EAWS___/ Mineral wool
- ☐ 321. Ruukki sealant mastic

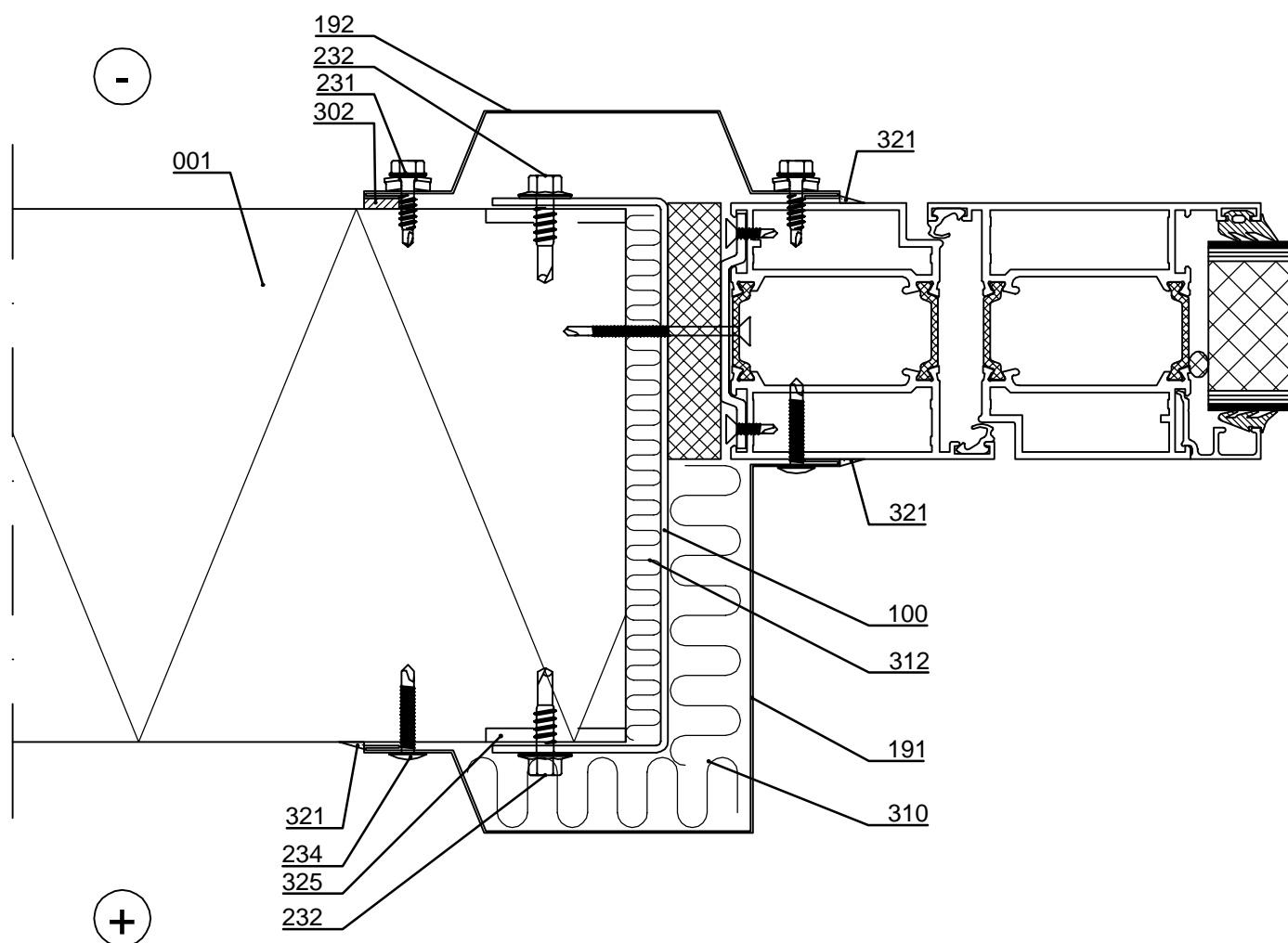
☒ Ruukki's delivery

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA09-6E-EN
Drawn by Ruukki	Rev.		
Scale 1:2	Building		File nr.

Note! Openings must be taken into account in dimensioning of panels.

Note! Remember to seal the grooves of the panels joining the door during the installation with sealant to outer female groove to length equivalent to vertical joint flashing and inner female groove in length of sealing (SPA02-1E).

Supporting structures, if necessary, according to structural designer (SPA09-4E).



- ☐ 001. Sandwich panel SPA
- ☐ 100. EA1D___/ Door frame stud
- ☐ 191. Cover flashing, t = 0.6 mm, according to project
- ☐ 192. Cover flashing, t = 0.6 mm, according to project
- ☐ 231. Flashing fastener, washer with sealing
- ☐ 232. Flashing fastener, without washer
- ☐ 234. Flat head flashing fastener
- ☐ 302. /EA3SS410/ Sealing strip
/EA3SS510/ Sealing band EPDM for flashing
(for demanding climate conditions e.g. coastal areas)
- ☐ 310. Mineral wool
- ☐ 312. /EAWS___/ Mineral wool
- ☐ 321. Ruukki sealant mastic
- ☐ 325. Ruukki sealant mastic
to outer and inner female grooves

☒ Ruukki's delivery



Contents of drawing

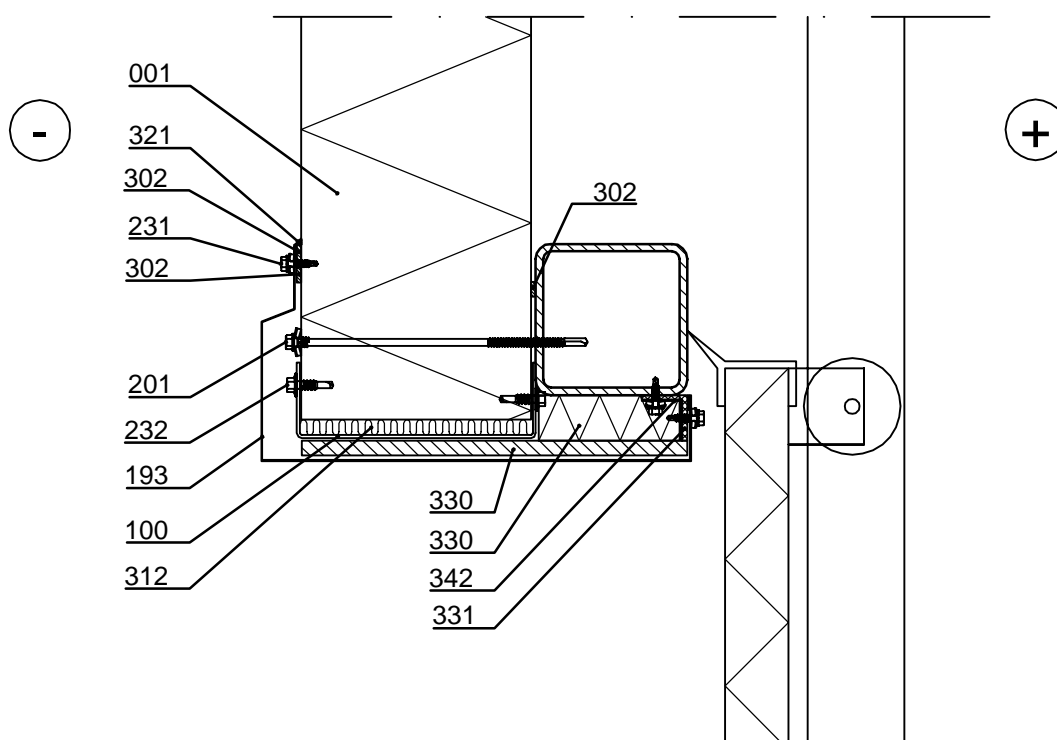
Sandwich panel SPA, horizontal installation
Overhead door, vertical section

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA09-7E-EN
Drawn by Ruukki	Rev.		
Scale 1:5	Building	File nr.	

Note! Openings must be taken into account in dimensioning of panels.

Note! Remember to seal the grooves of the panels joining the door during the installation with sealant to outer female groove to length equivalent to vertical joint flashing and inner female groove in length of sealing (SPA02-1E).

Supporting structures according to structural designer.



- | | |
|---|--|
| <input type="checkbox"/> 001. Sandwich panel SPA | <input type="checkbox"/> 302. /EA3SS410/ Sealing strip |
| <input type="checkbox"/> 100. EA1D___/ Door frame stud | <input type="checkbox"/> /EA3SS510/ Sealing band EPDM for flashing |
| <input type="checkbox"/> 193. Drip- / cover flashing, t = 0.6 mm,
according to project | <input type="checkbox"/> (for demanding climate conditions e.g. coastal areas) |
| <input type="checkbox"/> 201. Self-drilling element screw, washer with sealing | <input type="checkbox"/> 312. /EAWS___/ Mineral wool |
| <input type="checkbox"/> 231. Flashing fastener, washer with sealing | <input type="checkbox"/> 321. Ruukki sealant mastic |
| <input type="checkbox"/> 232. Flashing fastener, without washer | <input type="checkbox"/> 330. PU insulation |
| | <input type="checkbox"/> 331. EPDM sealing |
| | <input type="checkbox"/> 342. L-profile |

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Contents of drawing

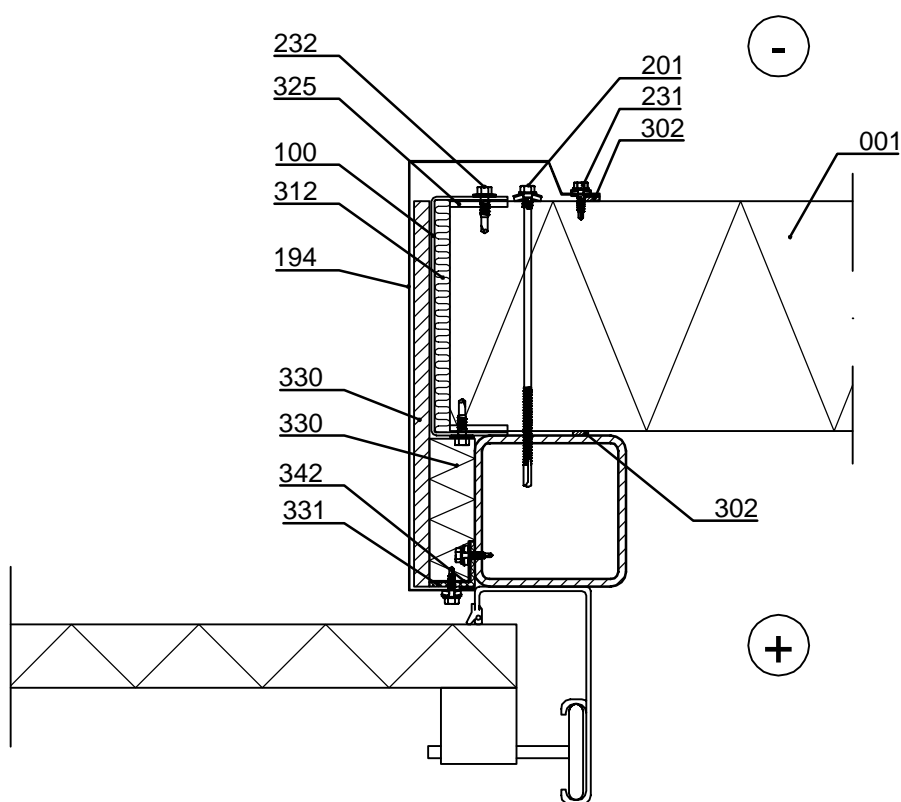
Sandwich panel SPA, horizontal installation
Overhead door, horizontal section

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA09-8E-EN
Drawn by Ruukki	Rev.		
Scale 1:5	Building		File nr.

Note! Openings must be taken into account in dimensioning of panels.

Note! Remember to seal the grooves of the panels joining the door during the installation with sealant to outer female groove to length equivalent to vertical joint flashing and inner female groove in length of sealing (SPA02-1E).

Supporting structures according to structural designer.



- | | |
|--|---|
| <input type="checkbox"/> 001. Sandwich panel SPA | <input type="checkbox"/> 312. /EAWS___/ Mineral wool |
| <input type="checkbox"/> 100. EA1D___/ Door frame stud | <input type="checkbox"/> 325. Ruukki sealant mastic to outer and inner female grooves |
| <input type="checkbox"/> 194. Cover flashing, t = 0.6 mm, according to project | <input type="checkbox"/> 330. PU insulation |
| <input type="checkbox"/> 201. Self-drilling element screw, washer with sealing | <input type="checkbox"/> 331. EPDM sealing |
| <input type="checkbox"/> 231. Flashing fastener, washer with sealing | <input type="checkbox"/> 342. L-profile |
| <input type="checkbox"/> 232. Flashing fastener, without washer | |
| <input type="checkbox"/> 302. /EA3SS410/ Sealing strip
/EA3SS510/ Sealing band EPDM for flashing
(for demanding climate conditions e.g. coastal areas) | |

☒ Ruukki's delivery

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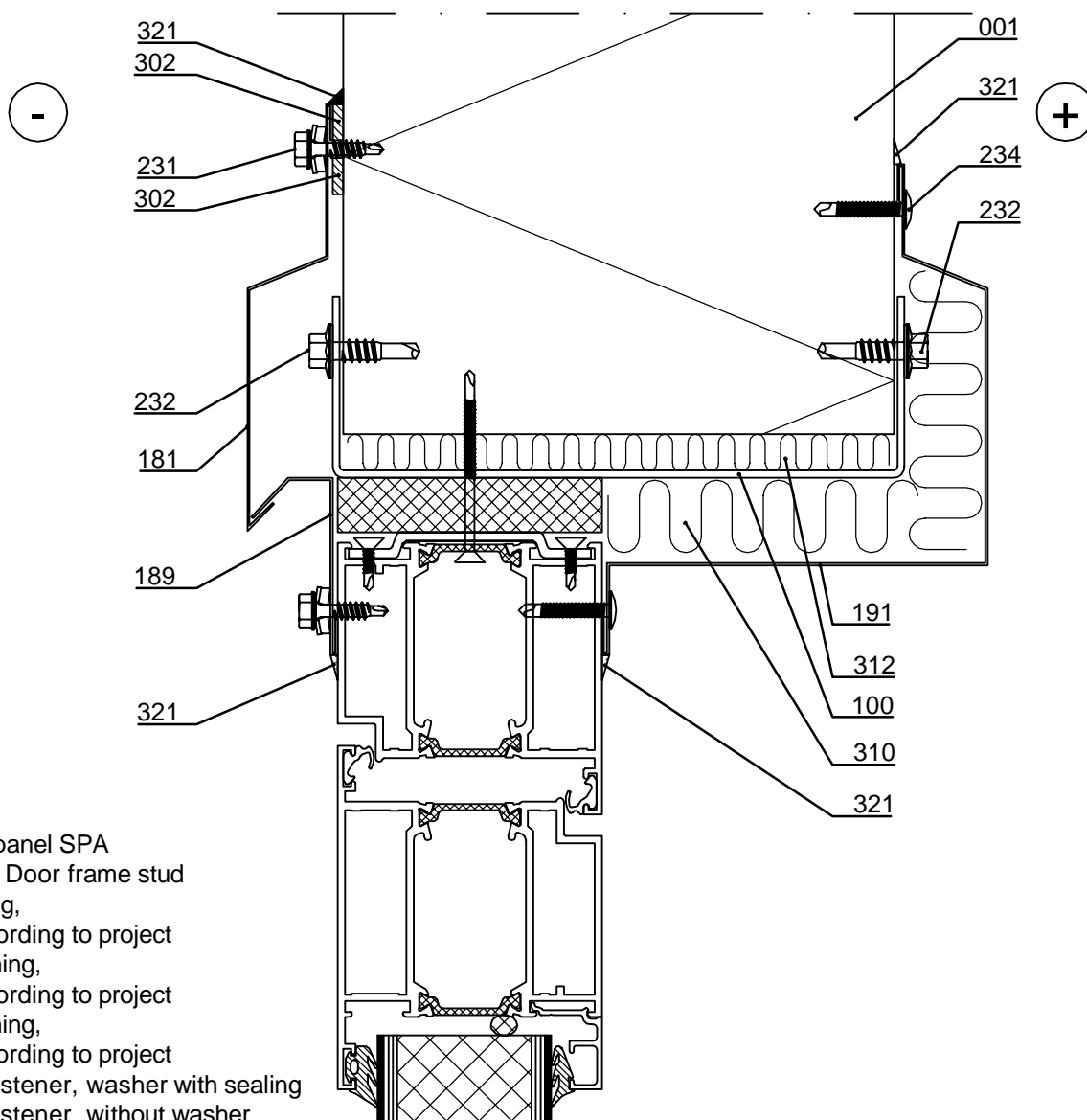
Sandwich panel SPA, horizontal installation
Door, vertical section
Invisible flashing

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA09-30E-EN
Drawn by Ruukki	Rev.		
Scale 1:2	Building		File nr.

Note! Openings must be taken into account in dimensioning of panels.

Note! Remember to seal the grooves of the panels joining the door during the installation with sealant to outer female groove to length equivalent to vertical joint flashing and inner female groove in length of sealing (SPA02-1E).

Supporting structures, if necessary, according to structural designer (SPA09-4E).



- ☐ 001. Sandwich panel SPA
- ☐ 100. /EA1D___/ Door frame stud
- ☐ 181. Drip flashing,
t = 0.6 mm, according to project
- ☐ 189. Cover flashing,
t = 0.6 mm, according to project
- ☐ 191. Cover flashing,
t = 0.6 mm, according to project
- ☐ 231. Flashing fastener, washer with sealing
- ☐ 232. Flashing fastener, without washer
- ☐ 234. Flat head flashing fastener
- ☐ 302. /EA3SS410/ Sealing strip
/EA3SS510/ Sealing band EPDM for flashing
(for demanding climate conditions e.g. coastal areas)
- ☐ 310. Mineral wool
- ☐ 312. /EAWS___/ Mineral wool
- ☐ 321. Ruukki sealant mastic

☒ Ruukki's delivery

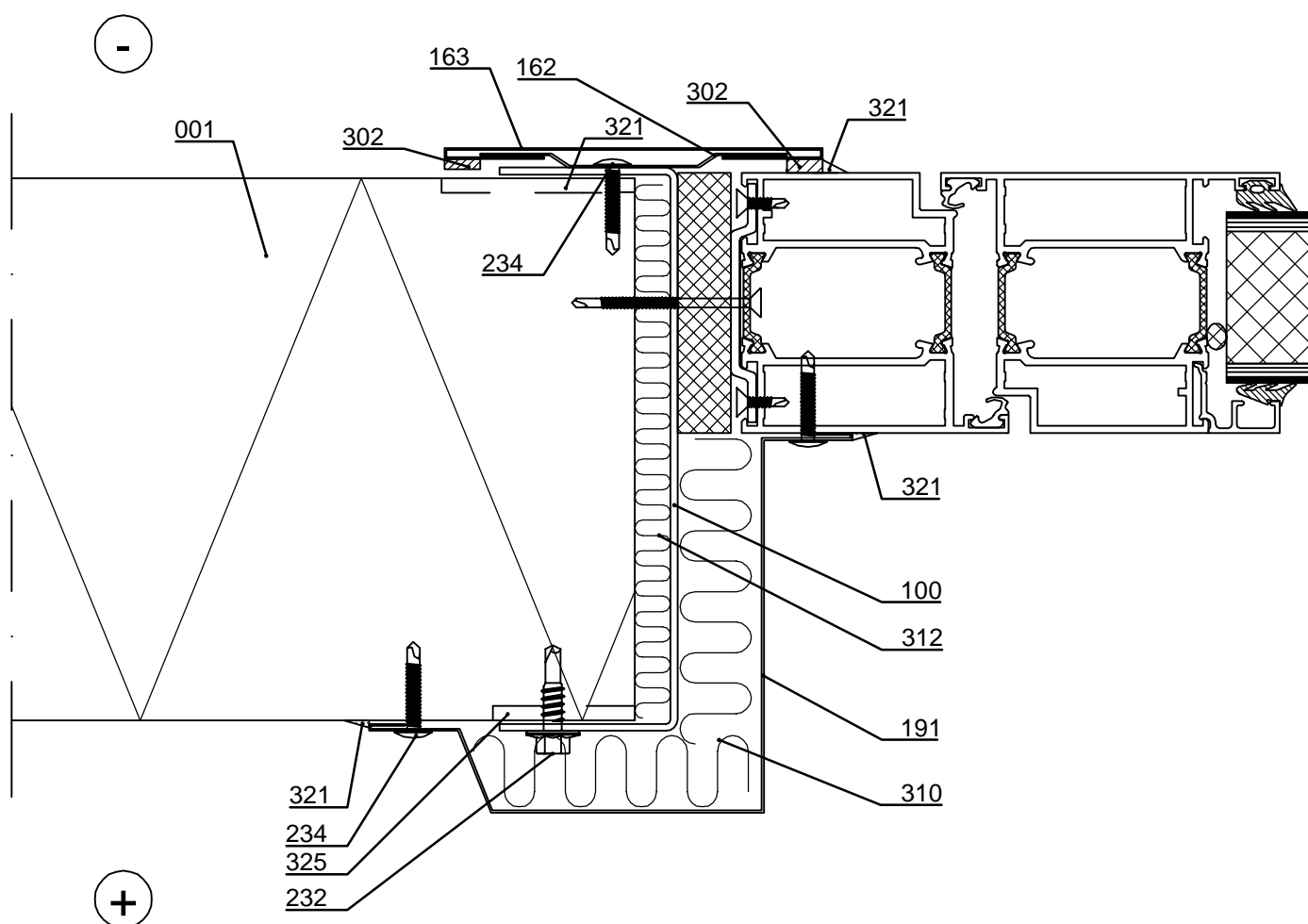
Sandwich panel SPA, horizontal installation
Door, horizontal section
Invisible flashing

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA09-31E-EN
Drawn by Ruukki	Rev.		
Scale 1:2	Building		File nr.

Note! Openings must be taken into account in dimensioning of panels.

Note! Remember to seal the grooves of the panels joining the door during the installation with sealant to outer female groove to length equivalent to vertical joint flashing and inner female groove in length of sealing (SPA02-1E).

Supporting structures, if necessary, according to structural designer (SPA09-4E).



- ☐ 001. Sandwich panel SPA
- ☐ 100. /EA1D___/ Door frame stud
- ☐ 162. /EA1WXBI/ Window bottom flashing Invisible
- ☐ 163. /EA1WEI/ Window flashing Invisible
- ☐ 191. Cover flashing, t = 0.6 mm, according to project
- ☐ 232. Flashing fastener, without washer
- ☐ 234. Flat head flashing fastener
- ☐ 302. /EA3SS410/ Sealing strip
/EA3SS510/ Sealing band EPDM for flashing
(for demanding climate conditions e.g. coastal areas)
- ☐ 310. Mineral wool
- ☐ 312. /EAWS___/ Mineral wool
- ☐ 321. Ruukki sealant mastic
- ☐ 325. Ruukki sealant mastic
during installation to outer- and inner groove

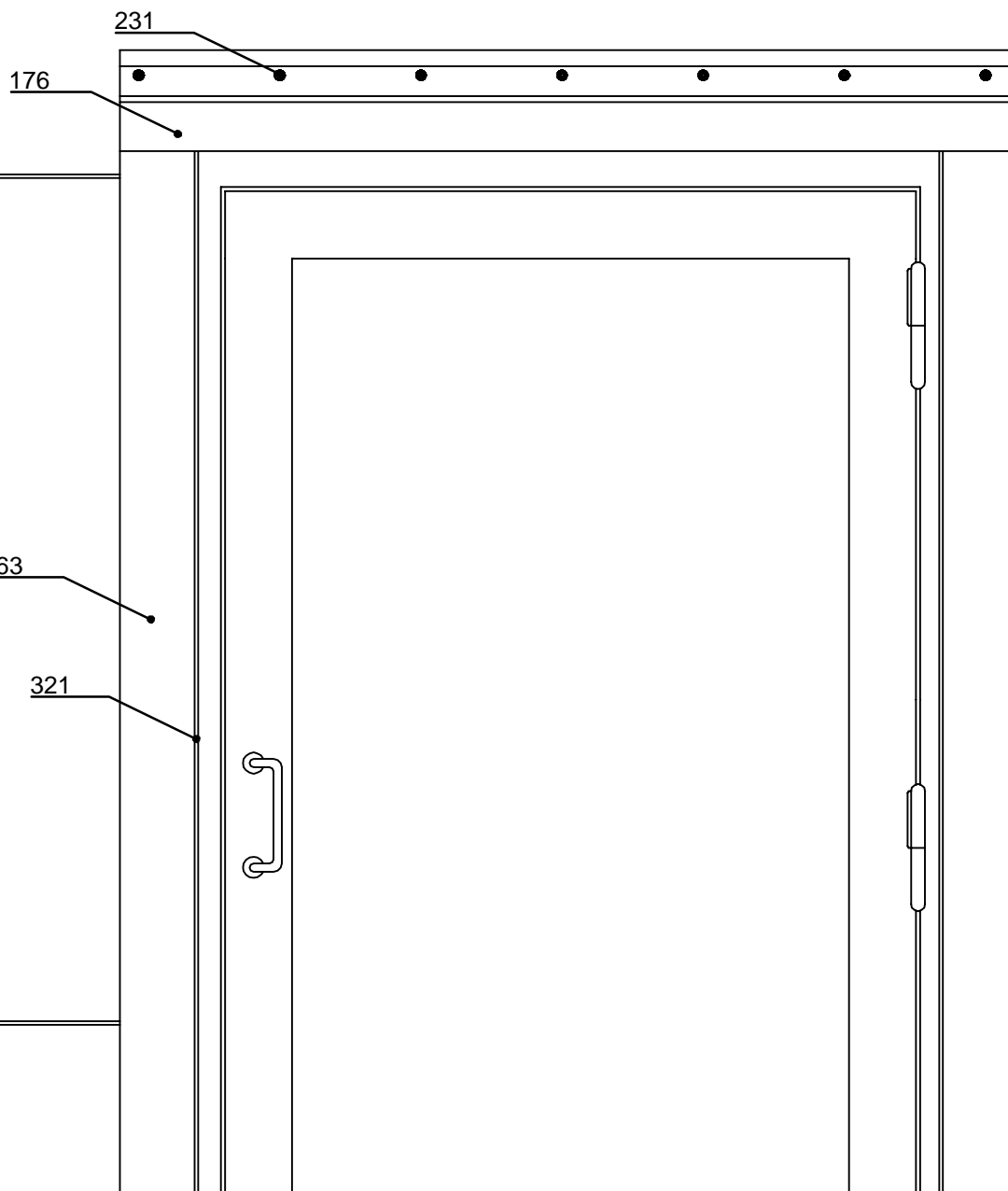
☒ Ruukki's delivery



Contents of drawing

Sandwich panel SPA, horizontal installation
Door
Invisible flashing

Date	01.10.2025	Rev. date		Work nr.		Drawing nr.	SPA09-32E-EN
Drawn by	Ruukki	Rev.					
Scale	1:10	Building				File nr.	



- ☐ 163. /EA1WEI/ Window flashing Invisible
- ☐ 176. Drip flashing, t = 0.6 mm, according to project
- ☐ 231. Flashing fastener, washer with sealing
- ☐ 321. Ruukki sealant mastic

☒ Ruukki's delivery

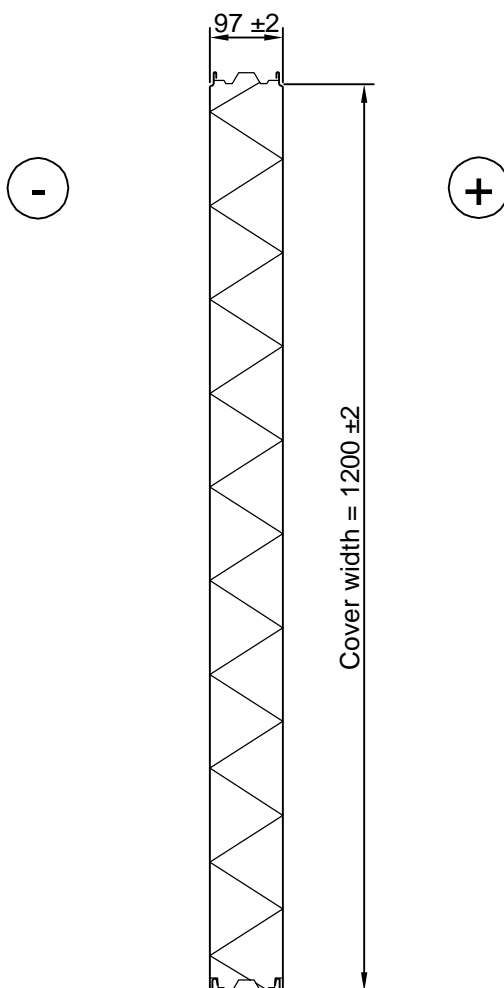
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Contents of drawing

Sandwich panel SPA100

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA10-2E-EN
Drawn by Ruukki	Rev.		
Scale 1:10	Building		File nr.

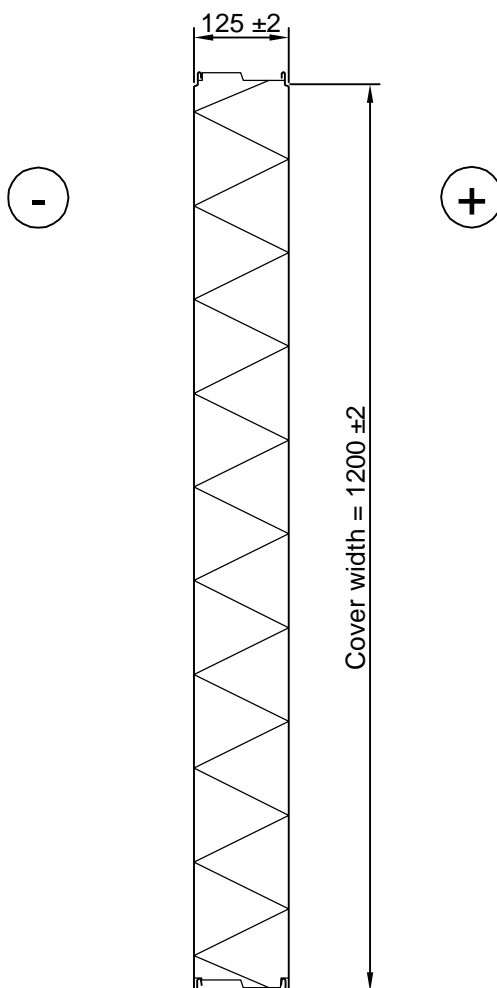




Contents of drawing

Sandwich panel SPA125

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA10-3E-EN
Drawn by Ruukki	Rev.		
Scale 1:10	Building		File nr.

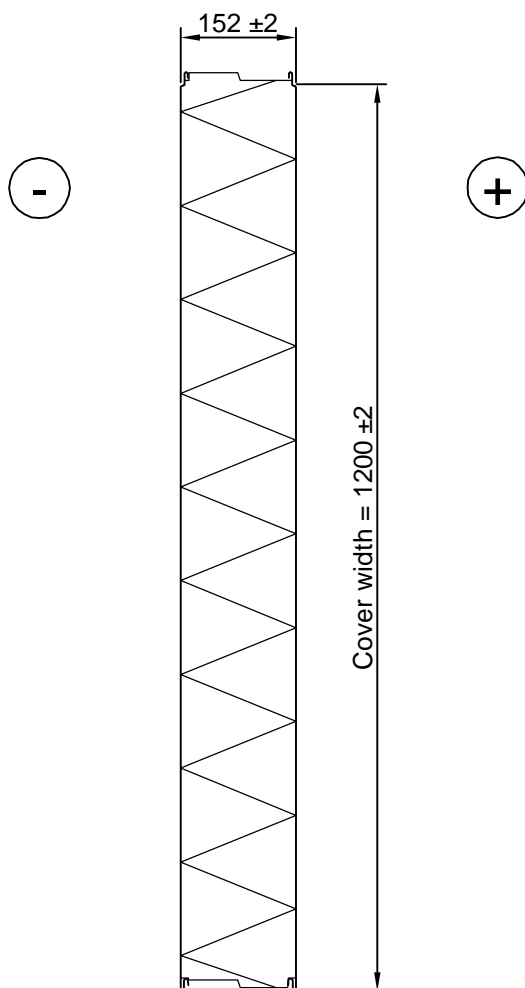




Contents of drawing

Sandwich panel SPA150

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA10-4E-EN
Drawn by Ruukki	Rev.		
Scale 1:10	Building		File nr.

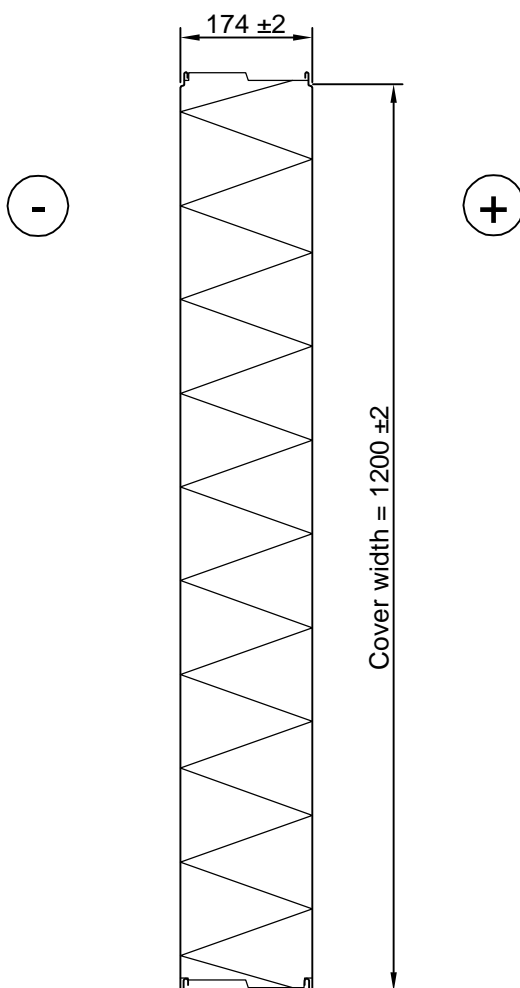




Contents of drawing

Sandwich panel SPA175

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA10-5E-EN
Drawn by Ruukki	Rev.		
Scale 1:10	Building		File nr.

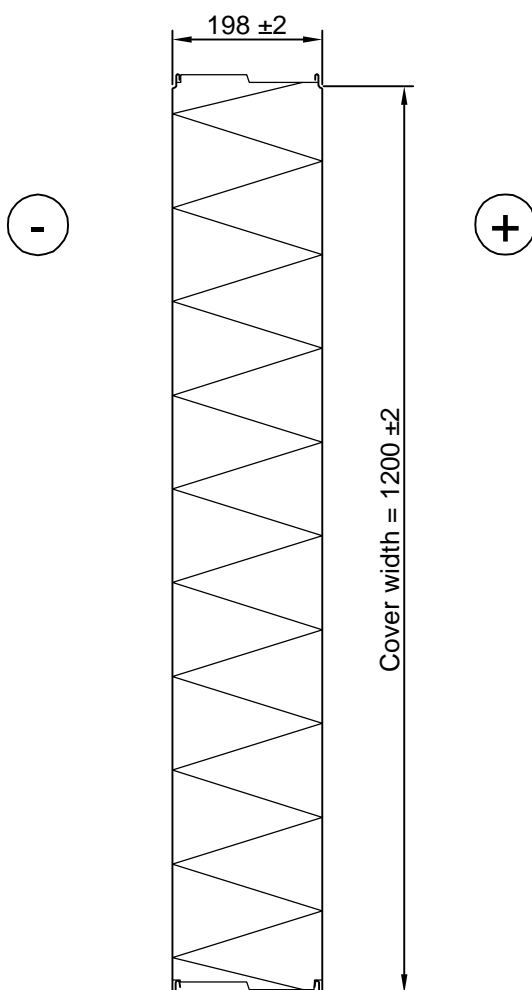




Contents of drawing

Sandwich panel SPA200

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA10-6E-EN
Drawn by Ruukki	Rev.		
Scale 1:10	Building		File nr.

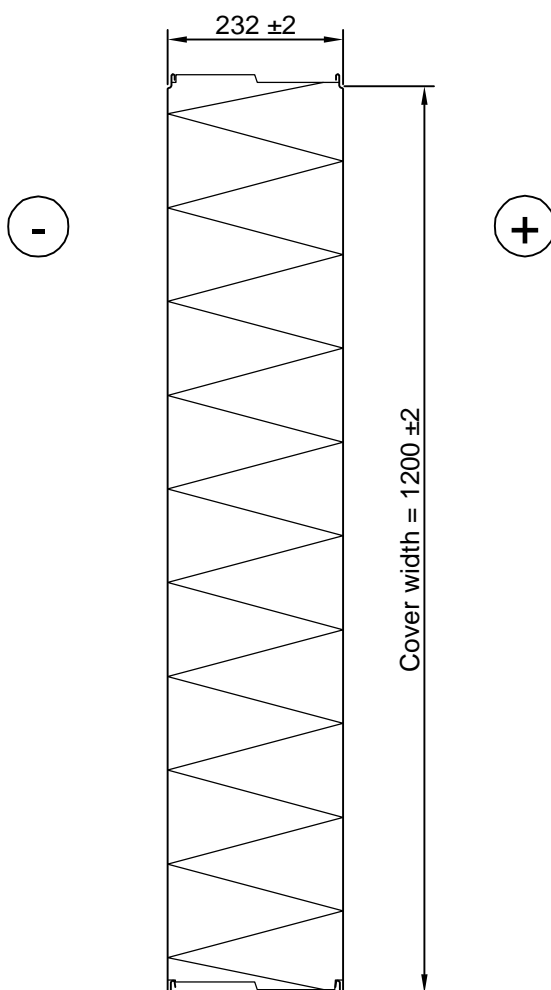




Contents of drawing

Sandwich panel SPA230

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA10-7E-EN
Drawn by Ruukki	Rev.		
Scale 1:10	Building		File nr.

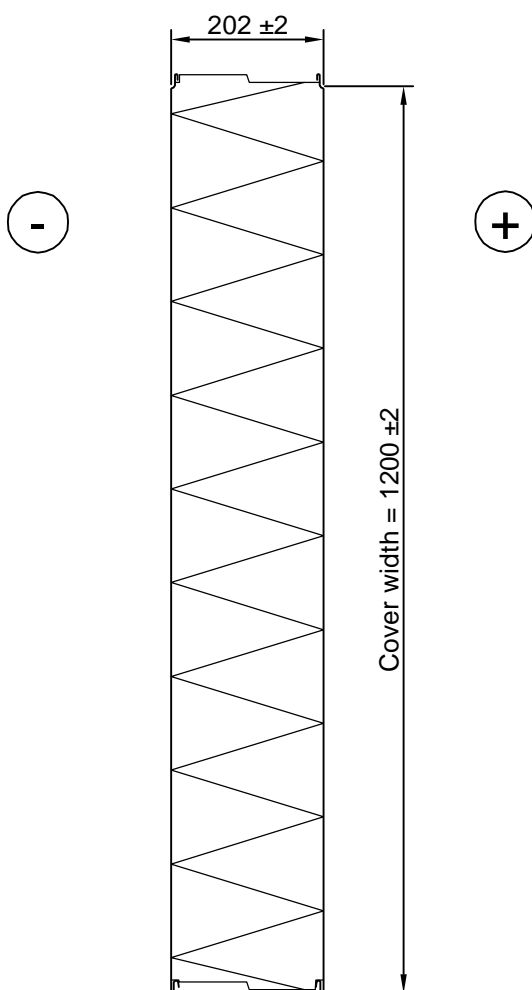




Contents of drawing

Sandwich panel SPA200+

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA10-8E-EN
Drawn by Ruukki	Rev.		
Scale 1:10	Building		File nr.

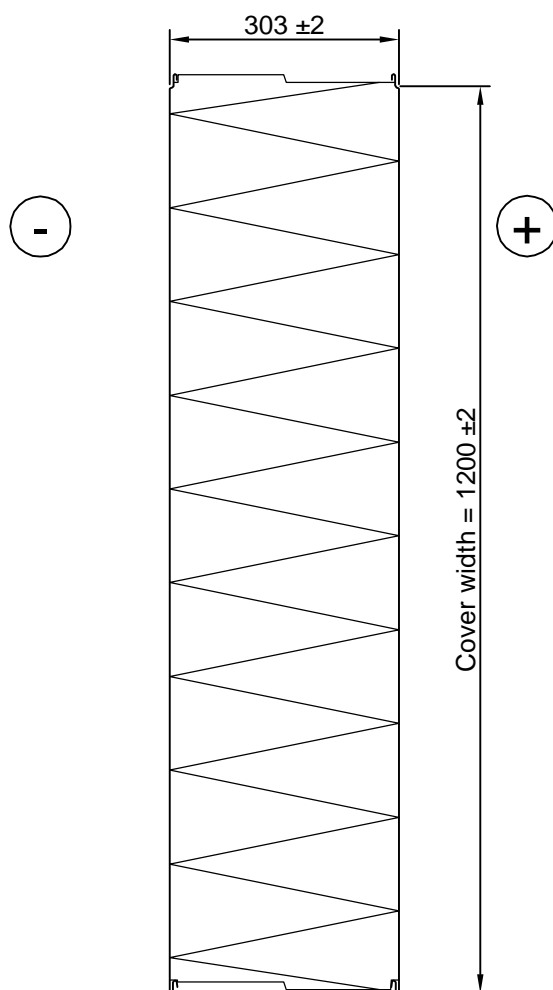




Contents of drawing

Sandwich panel SPA300

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA10-9E-EN
Drawn by Ruukki	Rev.		
Scale 1:10	Building		File nr.



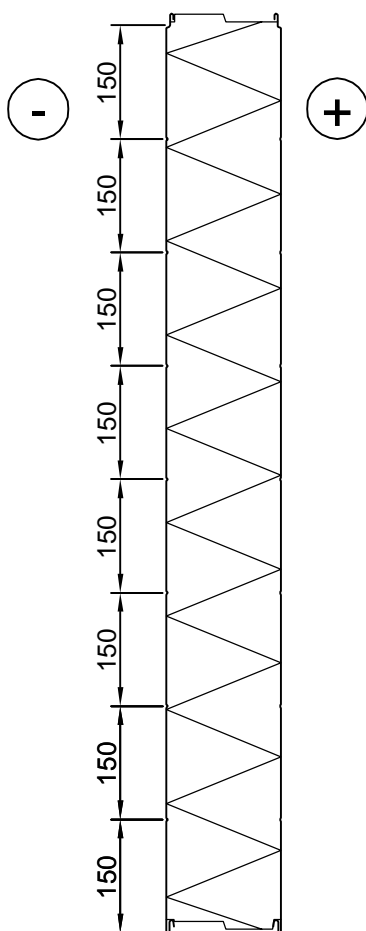


Contents of drawing

Sandwich panel SPA
Rib R150 surface profiling

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA11-1E-EN
Drawn by Ruukki	Rev.		
Scale 1:10	Building		File nr.

Available for external and internal facings.



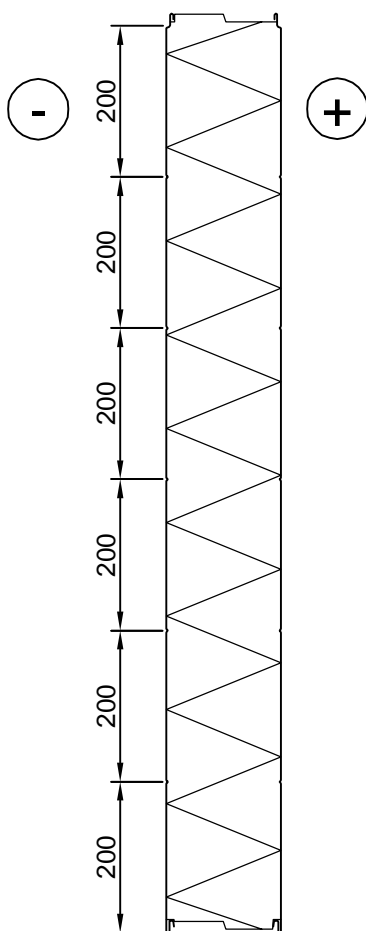


Contents of drawing

Sandwich panel SPA
Rib R200 surface profiling

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA11-2E-EN
Drawn by Ruukki	Rev.		
Scale 1:10	Building		File nr.

Available for external and internal facings.



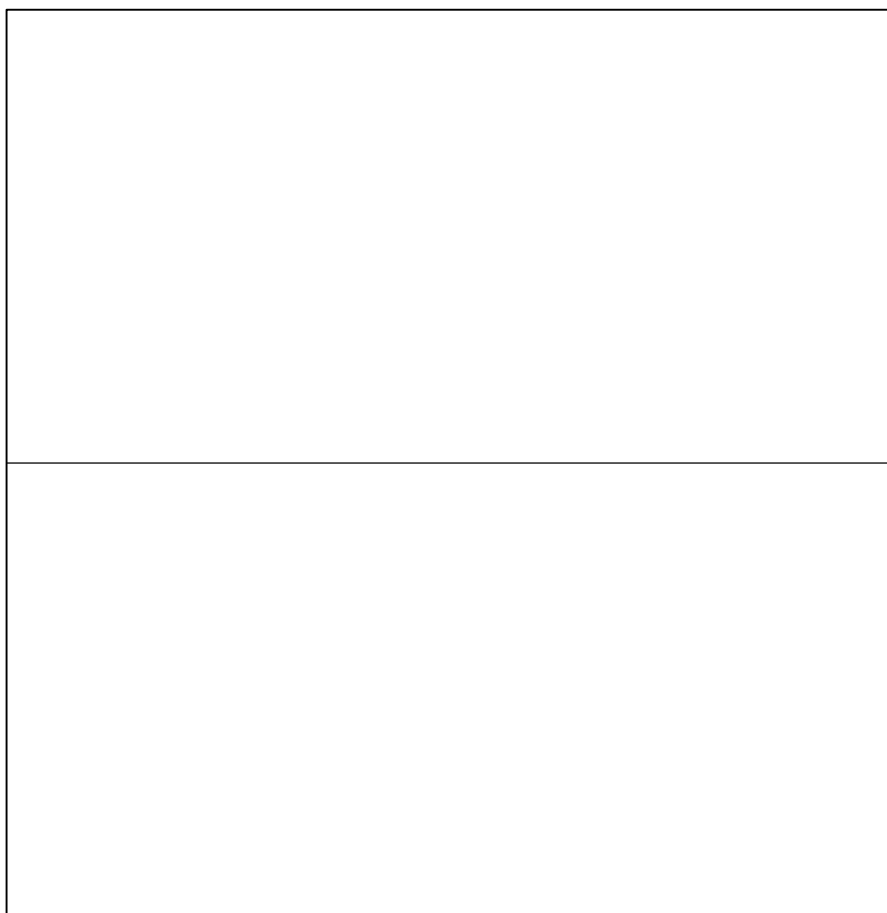
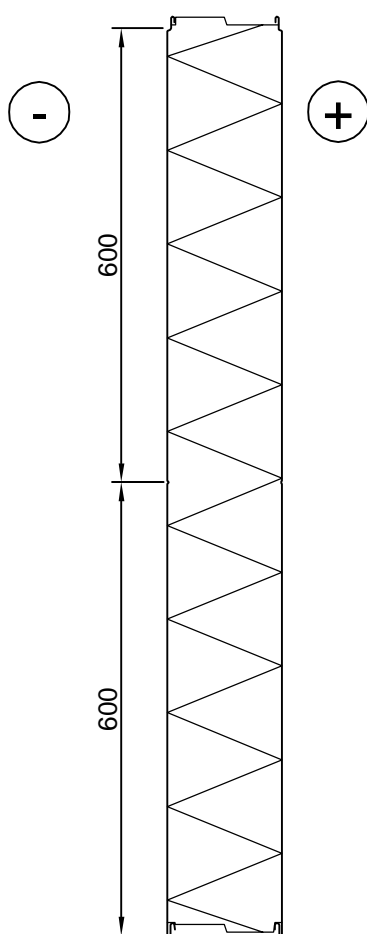


Contents of drawing

Sandwich panel SPA
Rib R600 surface profiling

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA11-3E-EN
Drawn by Ruukki	Rev.		
Scale 1:10	Building		File nr.

Available for external and internal facings.



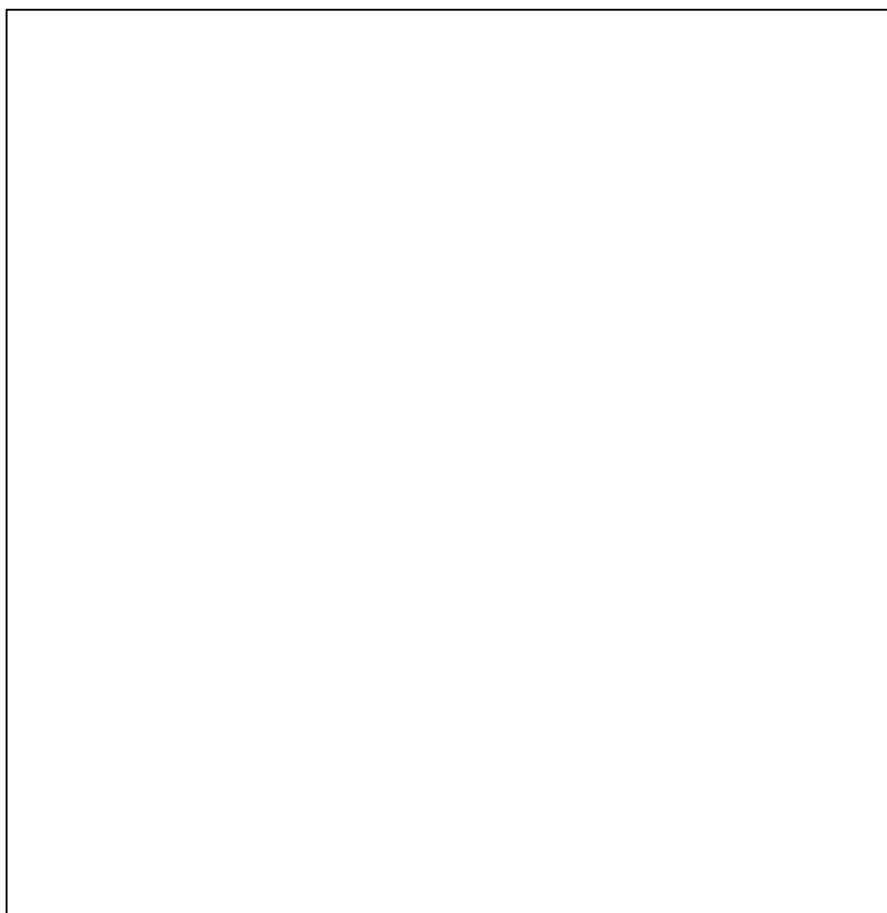
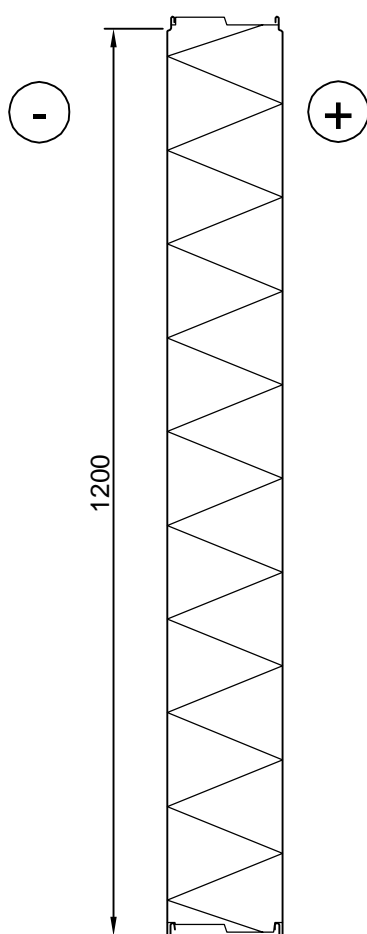


Contents of drawing

Sandwich panel SPA
Smooth F surface (no profiling)

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA11-4E-EN
Drawn by Ruukki	Rev.		
Scale 1:10	Building		File nr.

Available for external and internal facings.



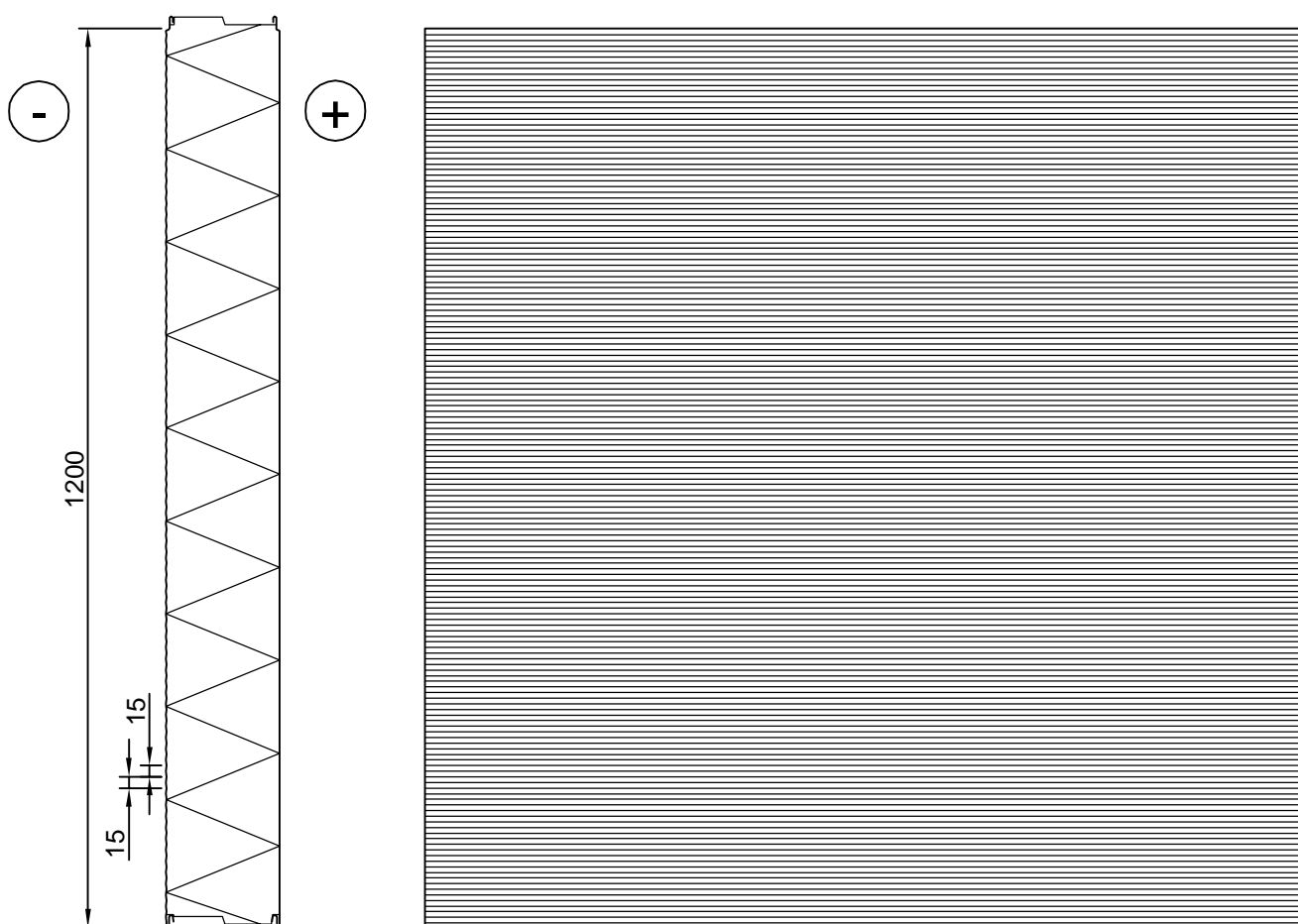


Contents of drawing

Sandwich panel SPA
M15 (Micro) surface profiling

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA11-5E-EN
Drawn by Ruukki	Rev.		
Scale 1:10	Building		File nr.

Available for external and internal facings.





Contents of drawing

Sandwich panel SPA
L50 (Linear) surface profiling

Date 01.10.2025	Rev. date	Work nr.	Drawing nr. SPA11-6E-EN
Drawn by Ruukki	Rev.		
Scale 1:10	Building		File nr.

Available for external and internal facings.

