

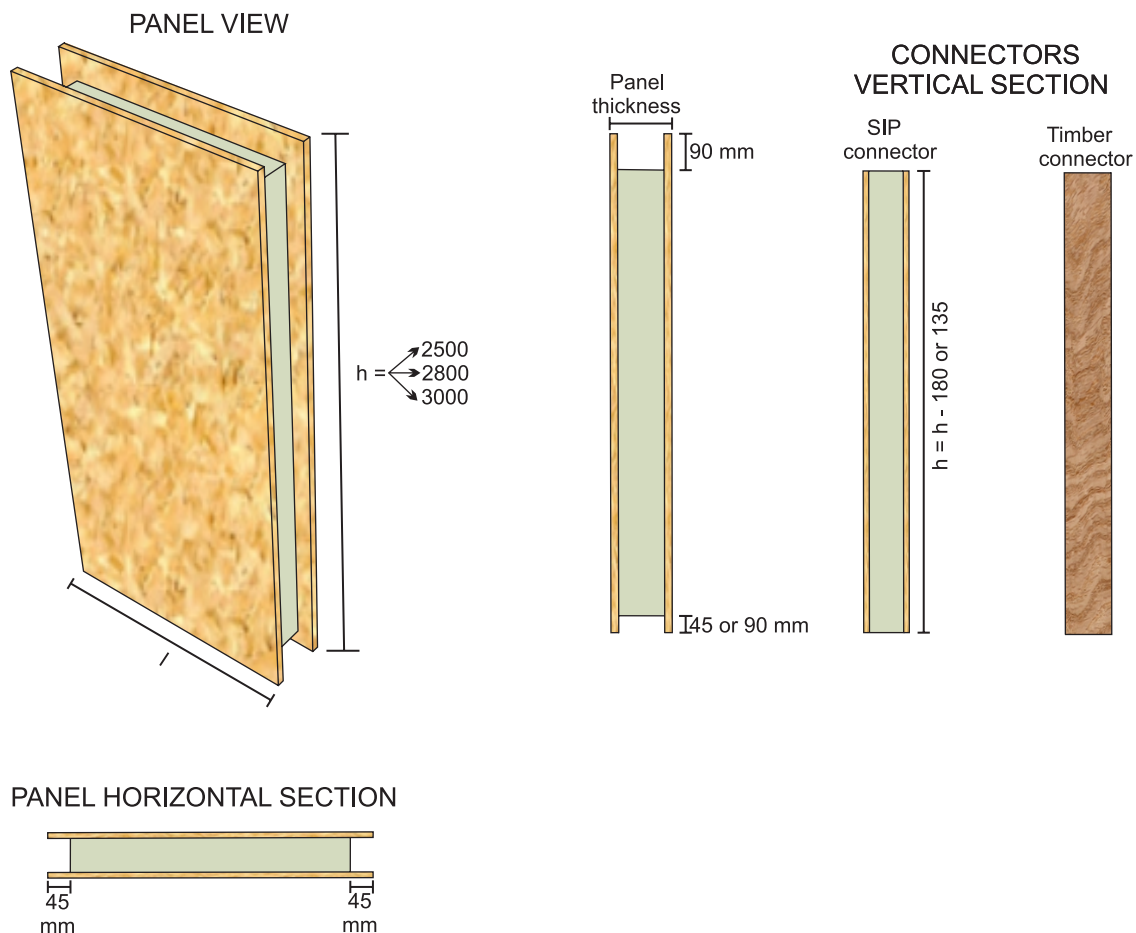


INTEGRATED CONSTRUCTION SYSTEM



# Technical Manual





PANEL THICKNESS	CONNECTOR THICKNESS
122 MM	90 MM
152 MM	120 MM
182 MM	150 MM
210 MM	180 MM
240 MM	210 MM

**NOTES:**

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

**REMARKS:**

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

**DETAIL NAME:**

**SIP GREEN PANEL  
CHARACTERISTICS**

**SCALE:** Not applicable

**LAST UPDATE:** January 2019

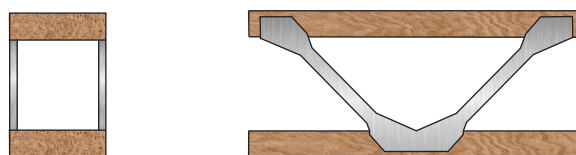
**DETAIL 01**



I Joist



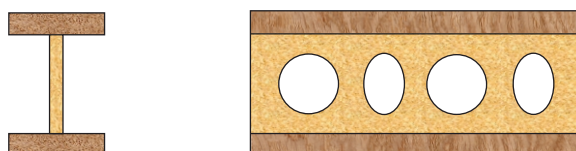
Posi Joist



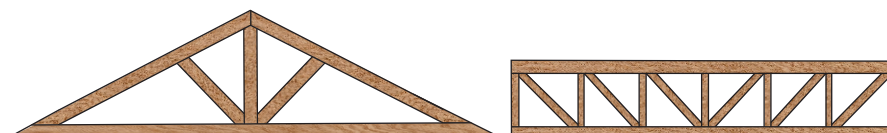
Glulam beam



Vierendeel beam



Trusses



#### NOTES:

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#### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

#### DETAIL NAME:

### STRUCTURAL ELEMENTS

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 02

Anchor bolt



Anchor screw



Bolt



Chemical anchor



## REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

## DETAIL NAME:

## FASTENERS

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 03

SIP screw (Large head screw)



Ring-shank nail



Countersunk screws



#### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

DETAIL NAME:

### FASTENERS

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 04

Tie down elements  
(up lift)



Perforated tape/ tie  
down system



Perforated  
anchors



#### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

#### DETAIL NAME:

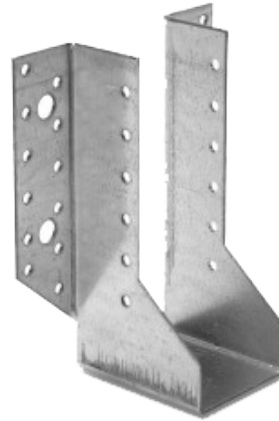
### METALLIC STRUCTURAL ELEMENTS

SCALE: Not applicable

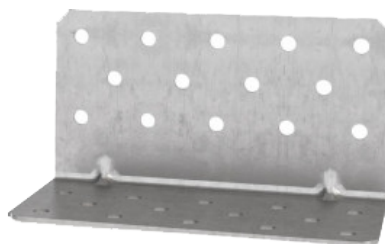
LAST UPDATE: January 2019

DETAIL 05

## Hangers / Beam supports



## Shear elements



### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

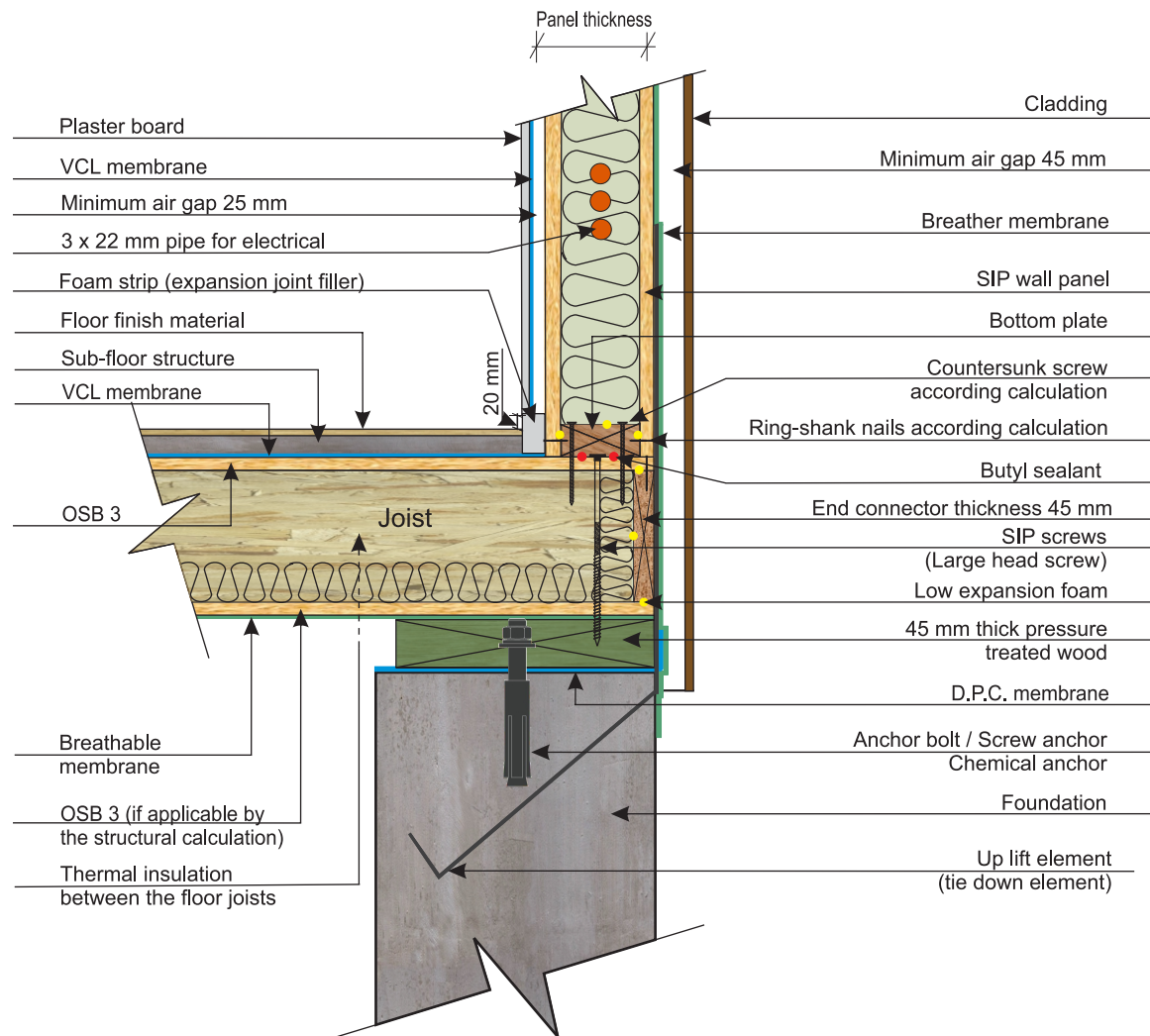
## METALLIC STRUCTURAL ELEMENTS

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 06

## VERTICAL SECTION



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

## FLOOR JOIST TO FOUNDATION & SIP WALL TO FLOOR JOISTS STRUCTURE

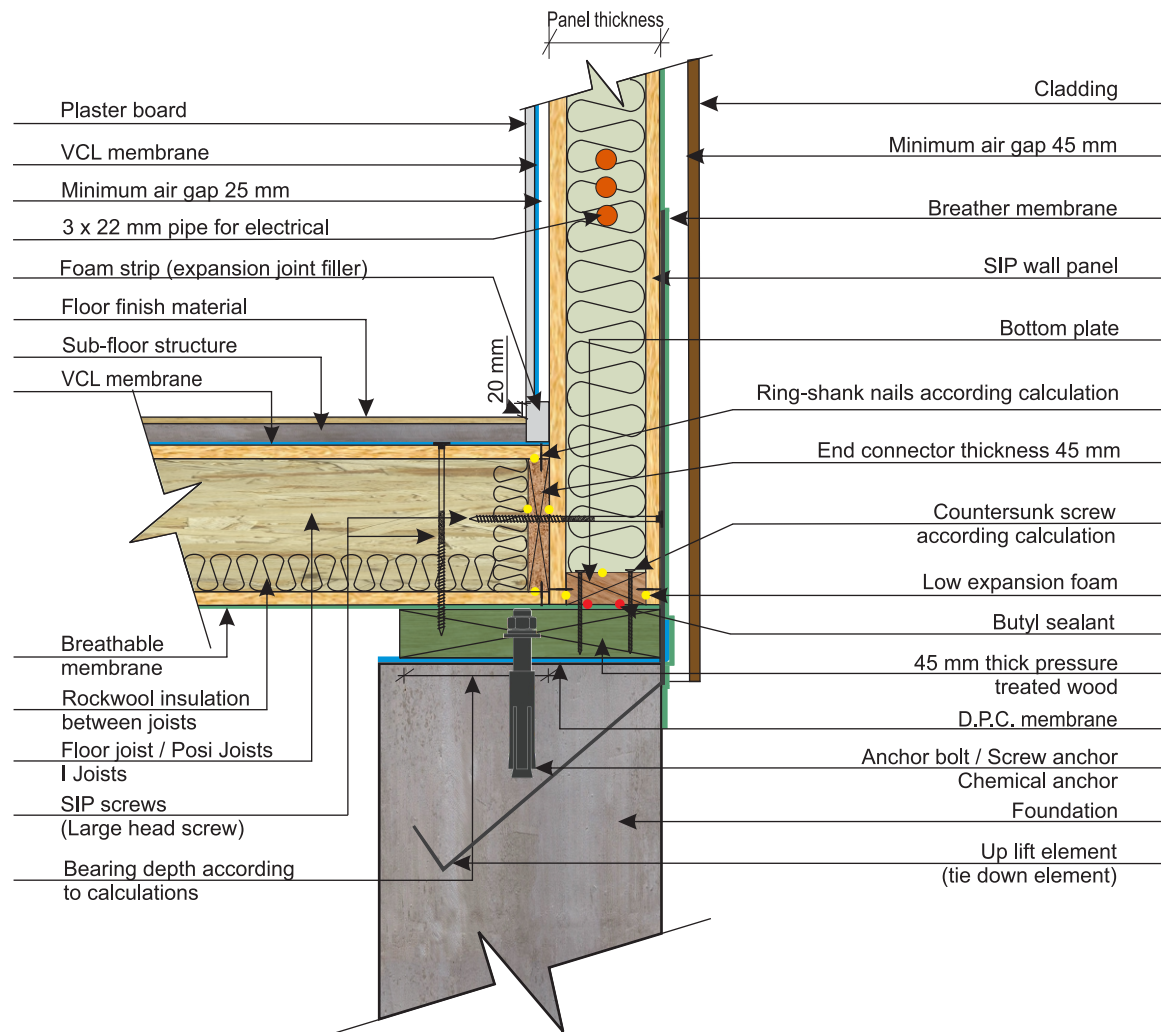
SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 07



## VERTICAL SECTION



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

## FLOOR JOISTS TO FOUNDATION WITH SIP DROPPED WALL

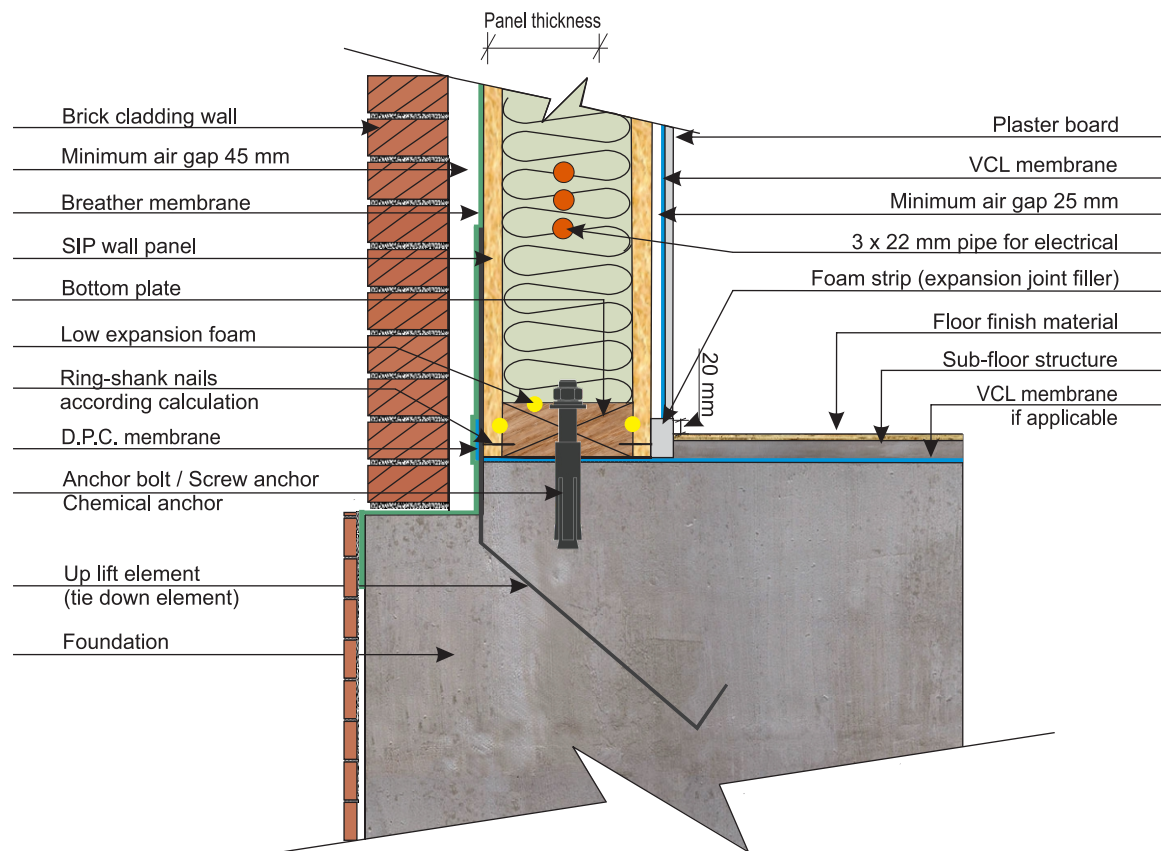
SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 08



## VERTICAL SECTION



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

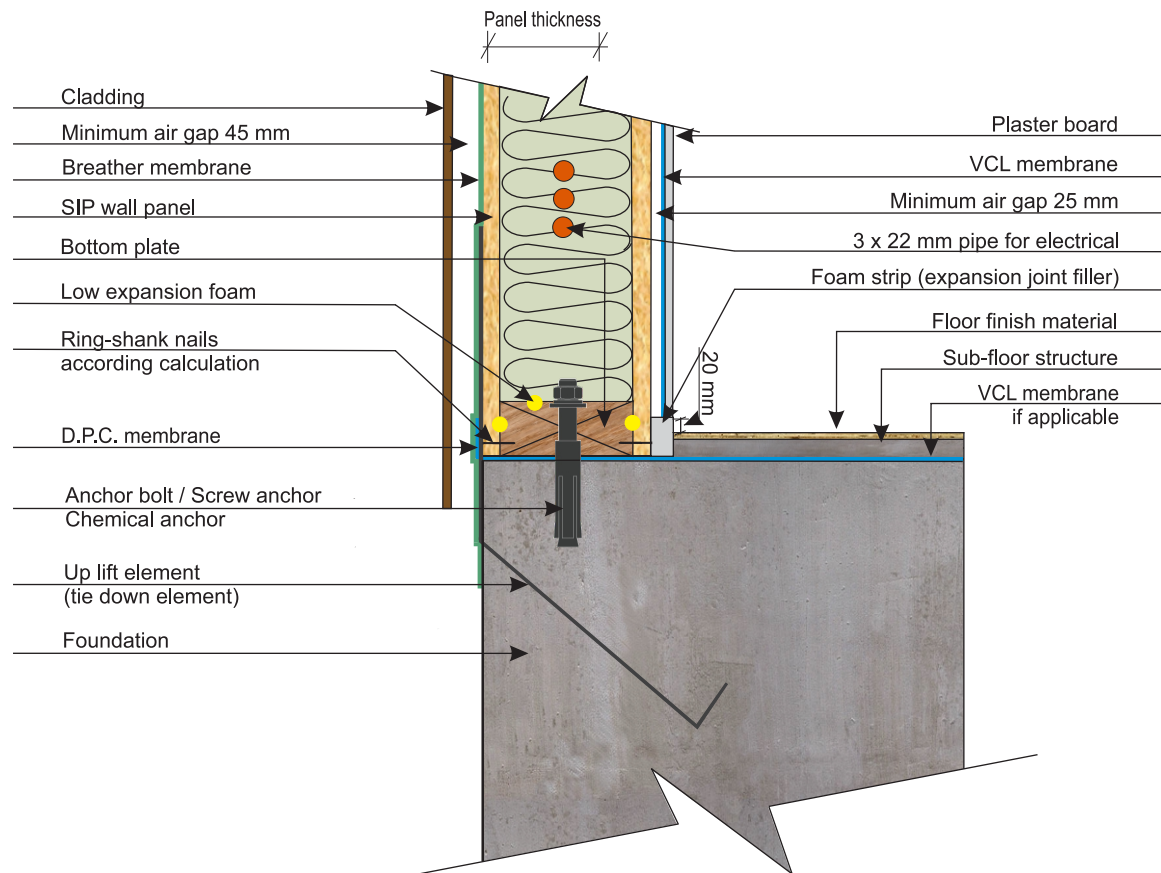
## SIP WALL TO FOUNDATION WITH BRICK CLADDING WALL

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 09

## VERTICAL SECTION



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

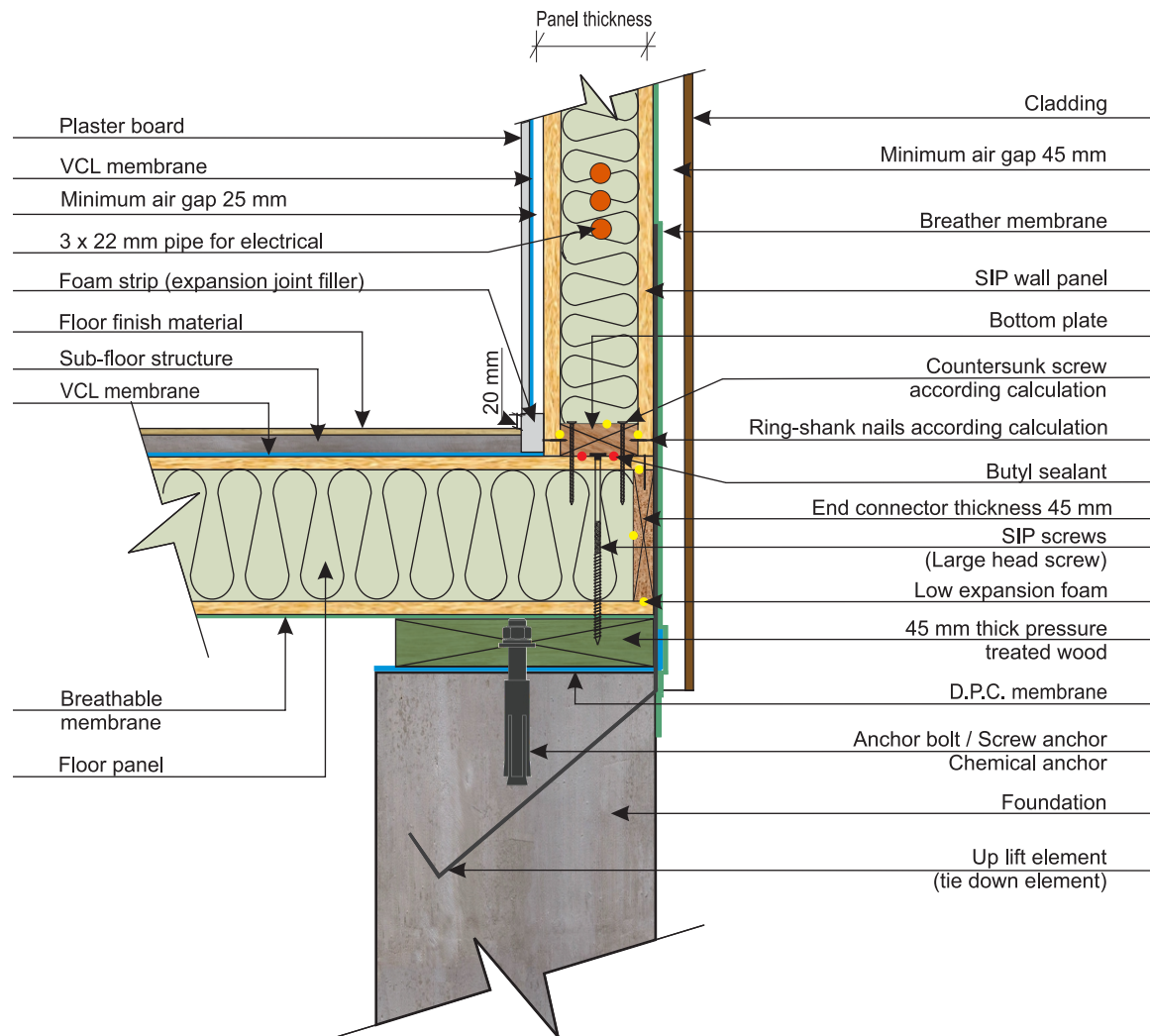
## SIP WALL TO FOUNDATION WITH BOARD CLADDING SYSTEM

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 10

## VERTICAL SECTION



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

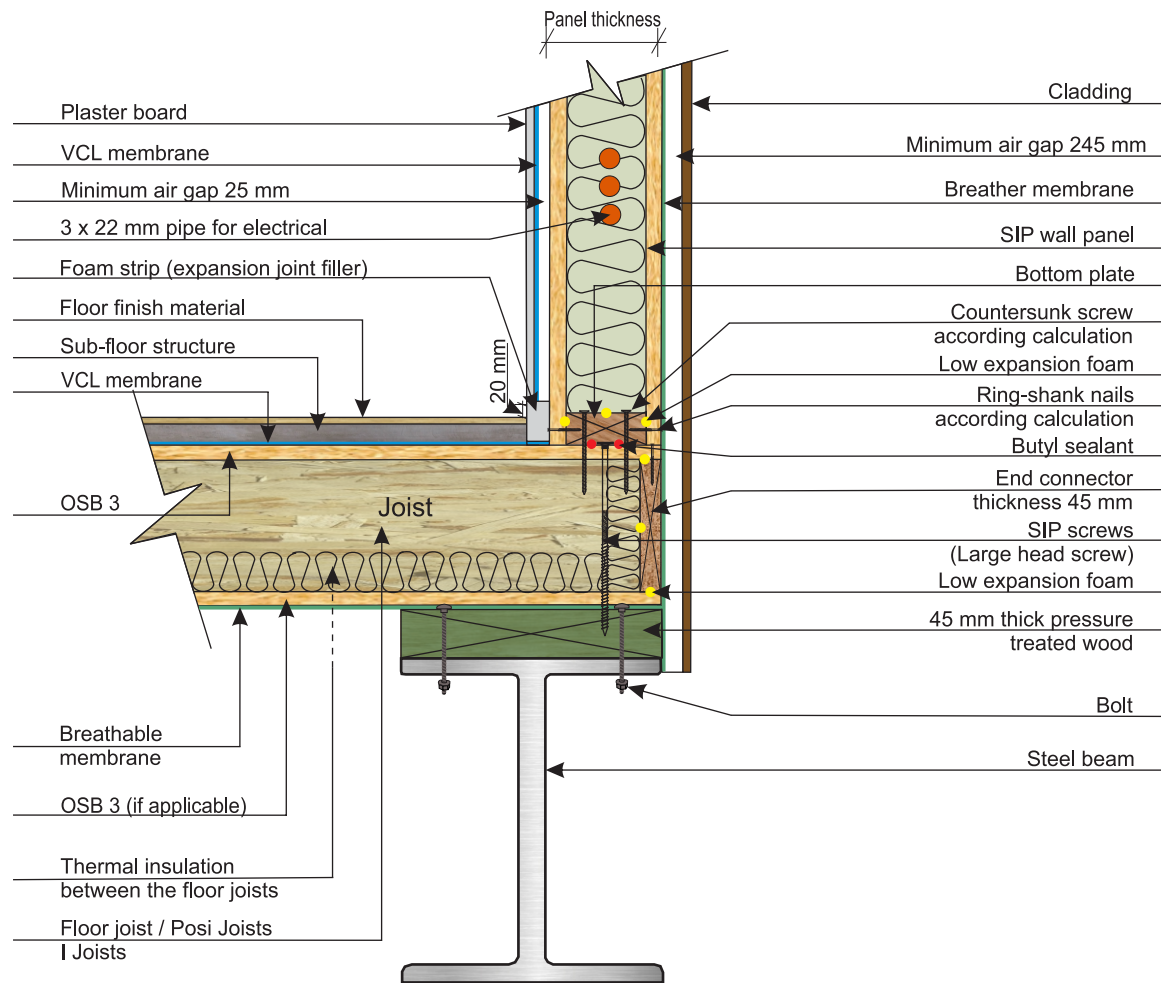
## SIP FLOOR TO FOUNDATION & SIP WALL TO SIP FLOOR

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 11

## VERTICAL SECTION



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

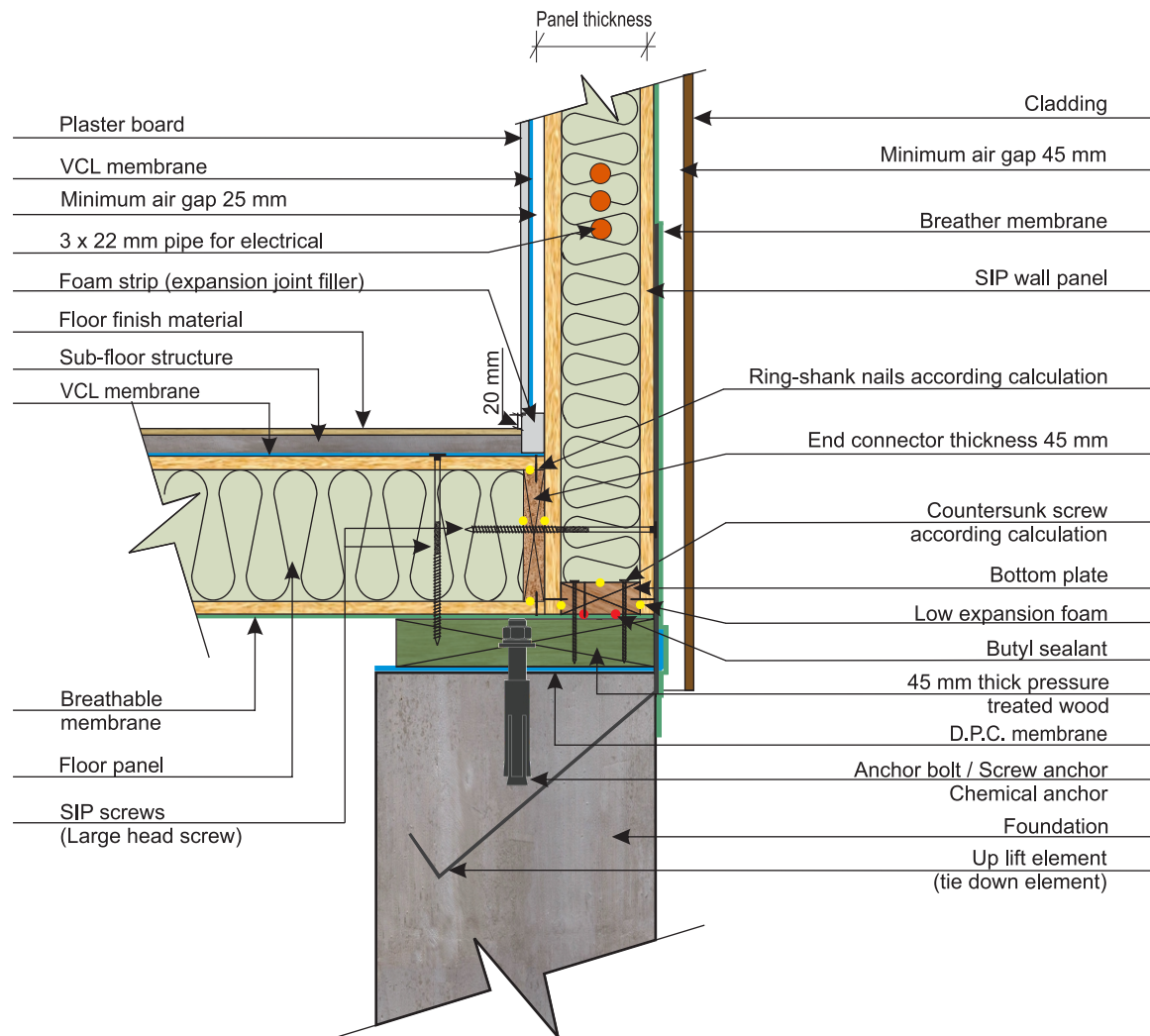
## FLOOR JOIST TO STEEL BEAM & SIP WALL TO FLOOR JOISTS

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 12

## VERTICAL SECTION



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

## SIP FLOOR TO FOUNDATION WITH SIP DROPPED WALL

SCALE: Not applicable

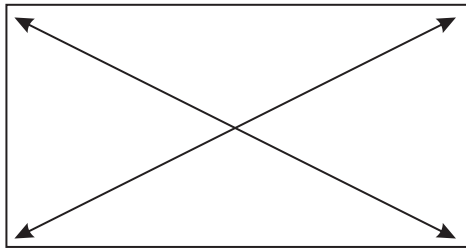
LAST UPDATE: January 2019

DETAIL 13

Acceptable diagonal deviation:

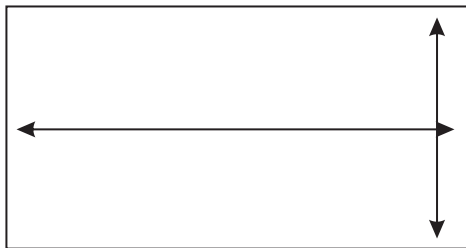
+/- 5 mm up to 10 m

+/- 10 mm over 10 m

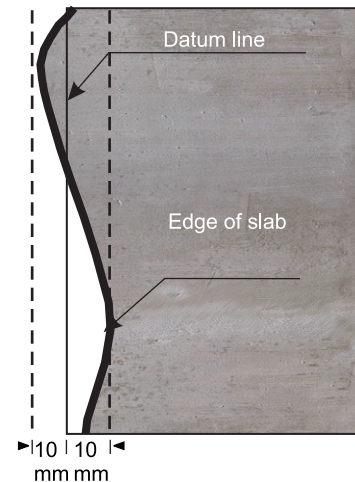


Acceptable dimensional deviation

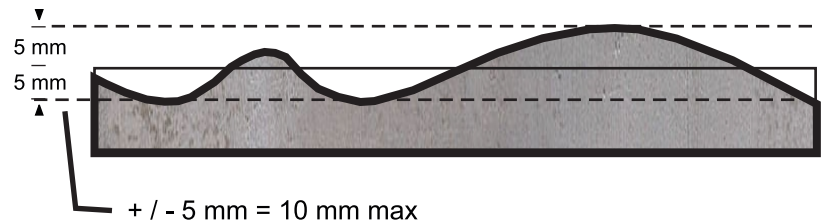
+/- 10 mm over 10



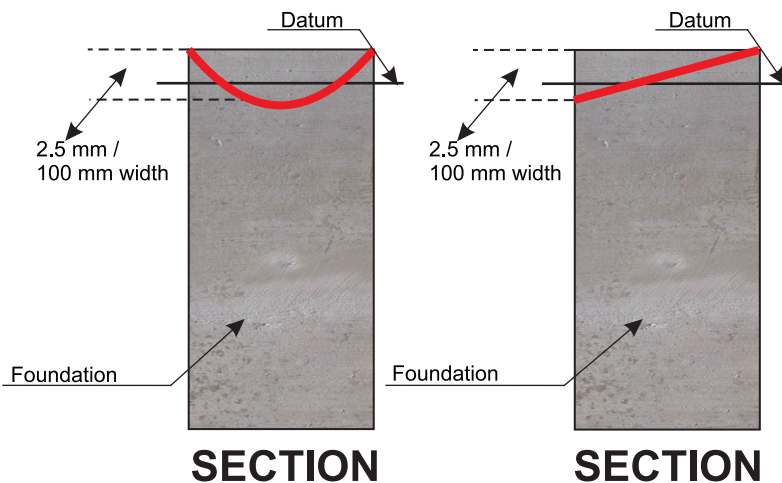
## TOP VIEW



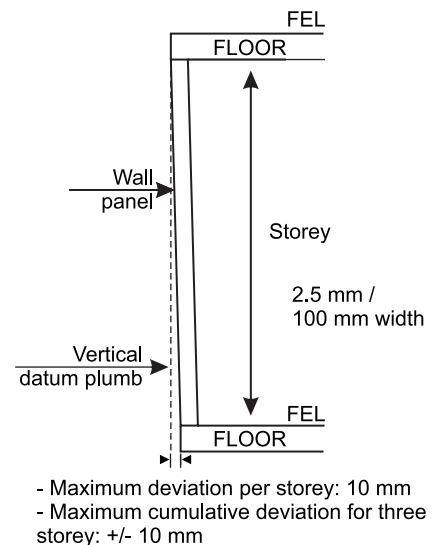
## Substructure level



## Levels of beam foundation



## Vertical tolerances



### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

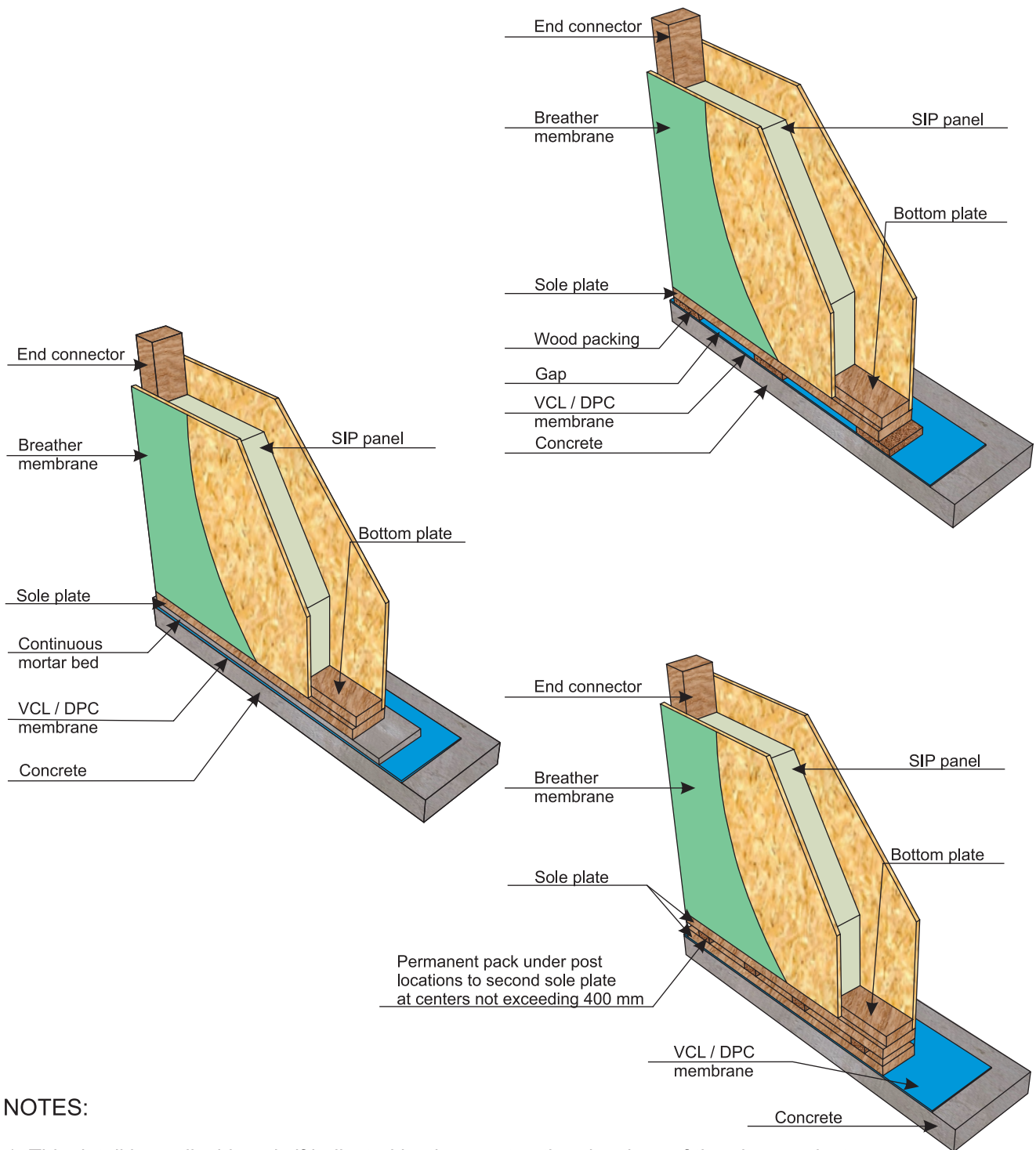
## SUBSTRUCTURE DIMENSIONAL TOLERANCES

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 14





#### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

#### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

#### DETAIL NAME:

### SOLE PLATE PACKING

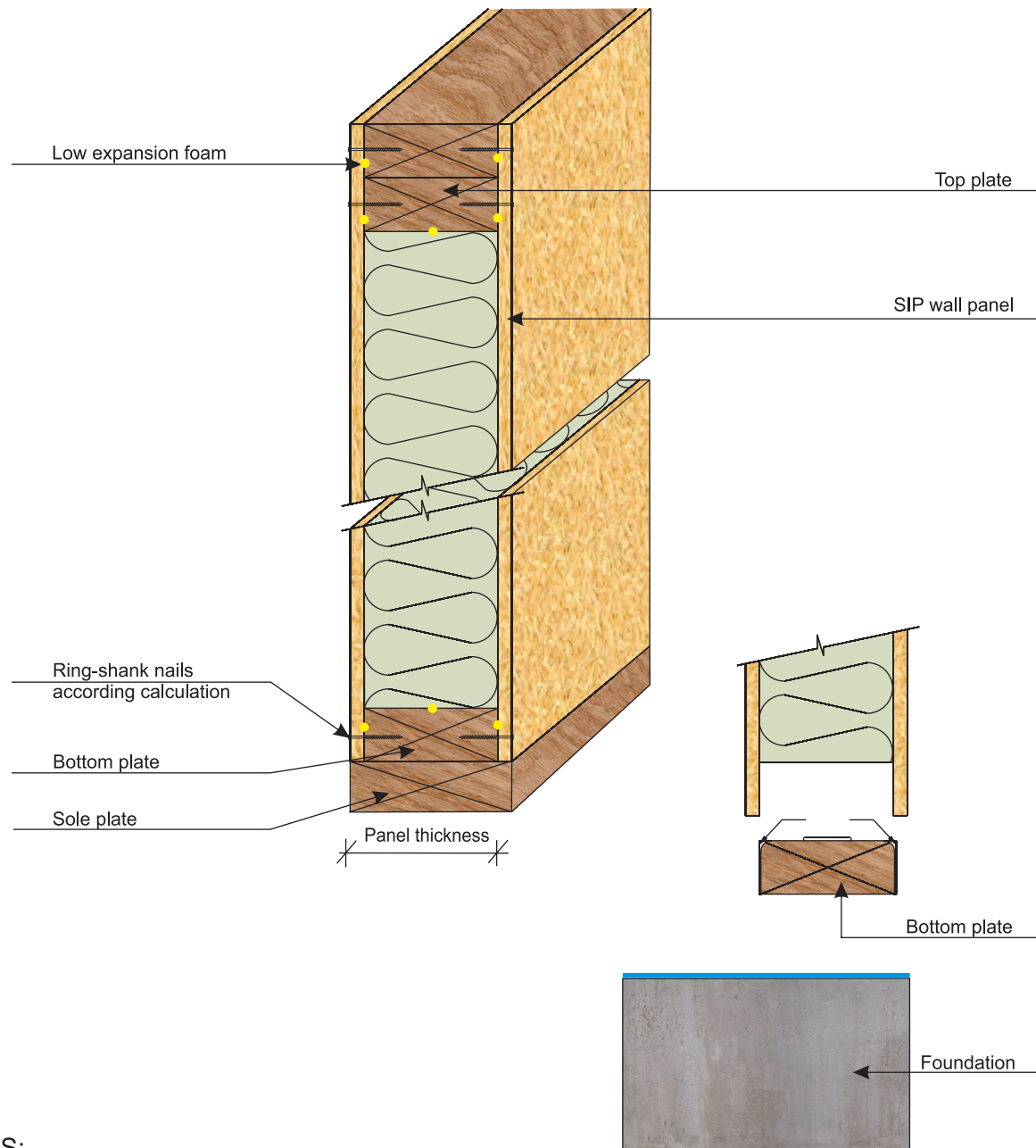
SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 15



## VERTICAL SECTION



### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

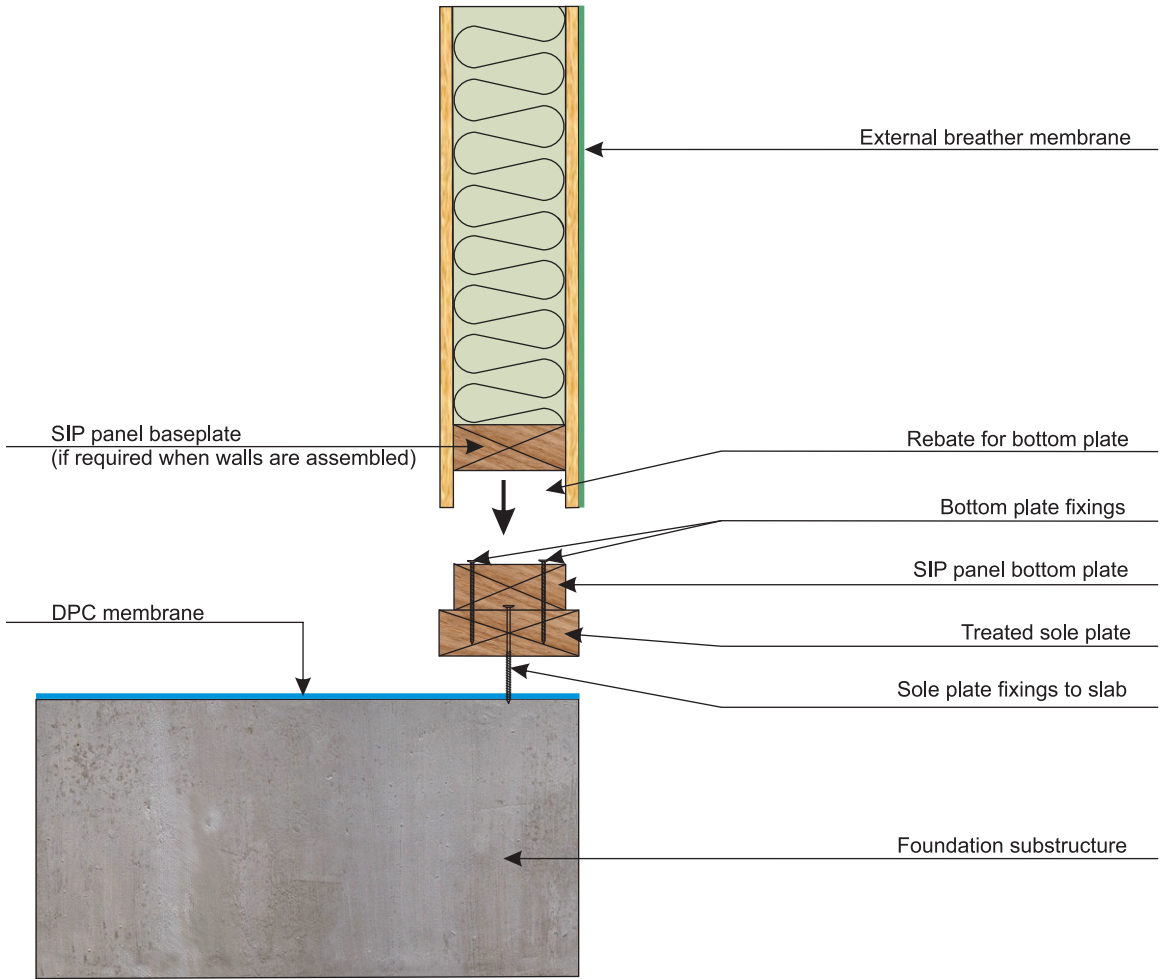
## SIP BOTTOM PLATE

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 16

# VERTICAL SECTION



NOTES:

- 1. This detail is applicable only if indicated by the construction drawings of the given project.
- 2. All building components shown on this detail shall be in compliance with local requirements.

REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

DETAIL NAME:

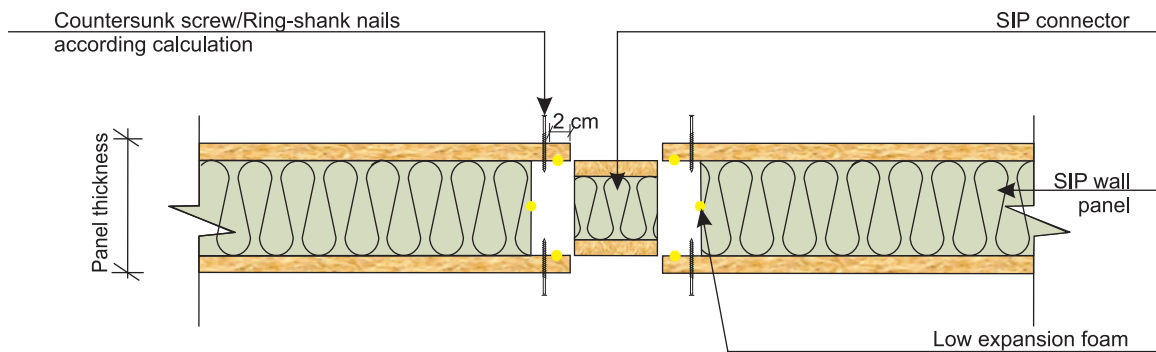
**SIP JOINT / SINGLE 4 X LUMBER  
SPLINE**

SCALE: Not applicable

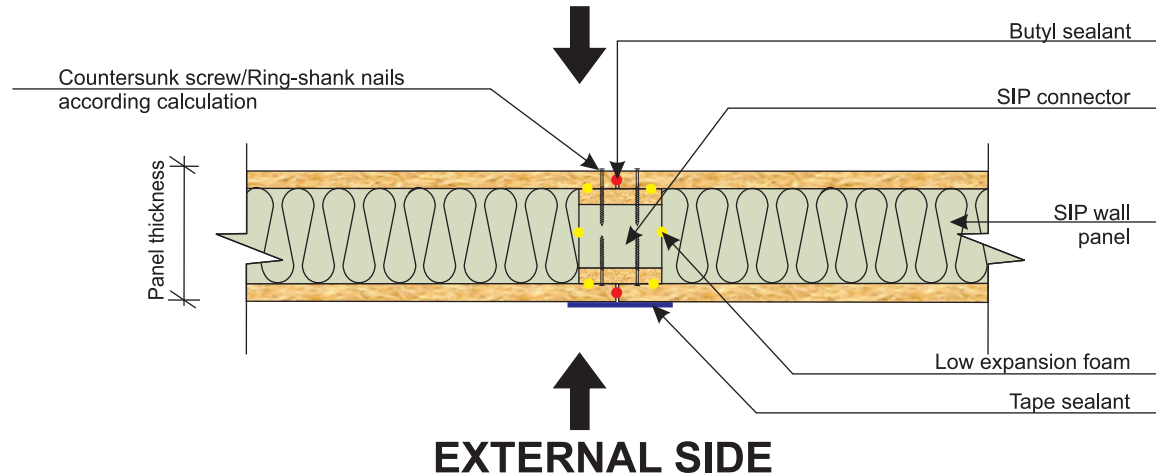
LAST UPDATE: January 2019

DETAIL 17

## TOP VIEW



## INTERNAL SIDE



### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

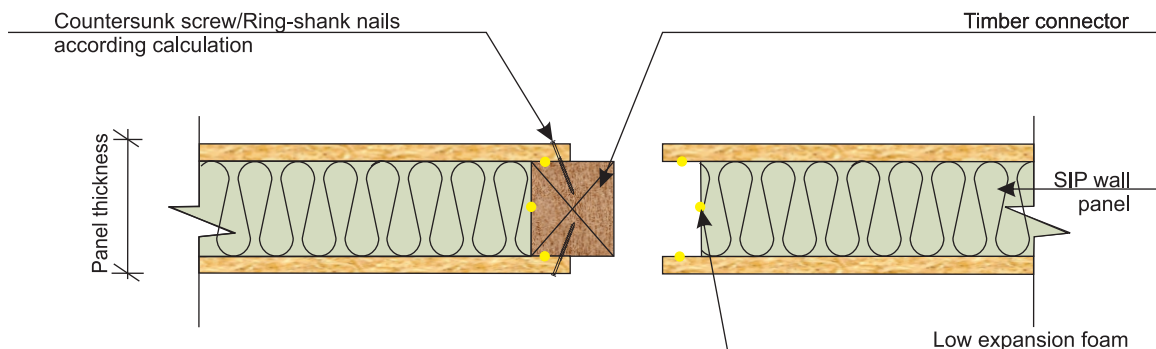
**SIP JOINT / SPLINE**

SCALE: Not applicable

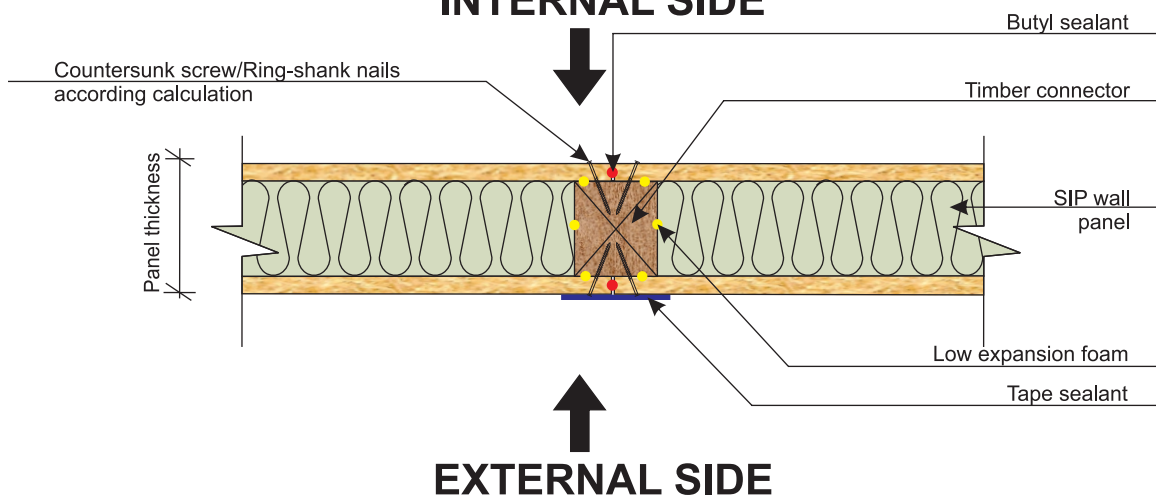
LAST UPDATE: January 2019

DETAIL 18

## TOP VIEW



## INTERNAL SIDE



### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

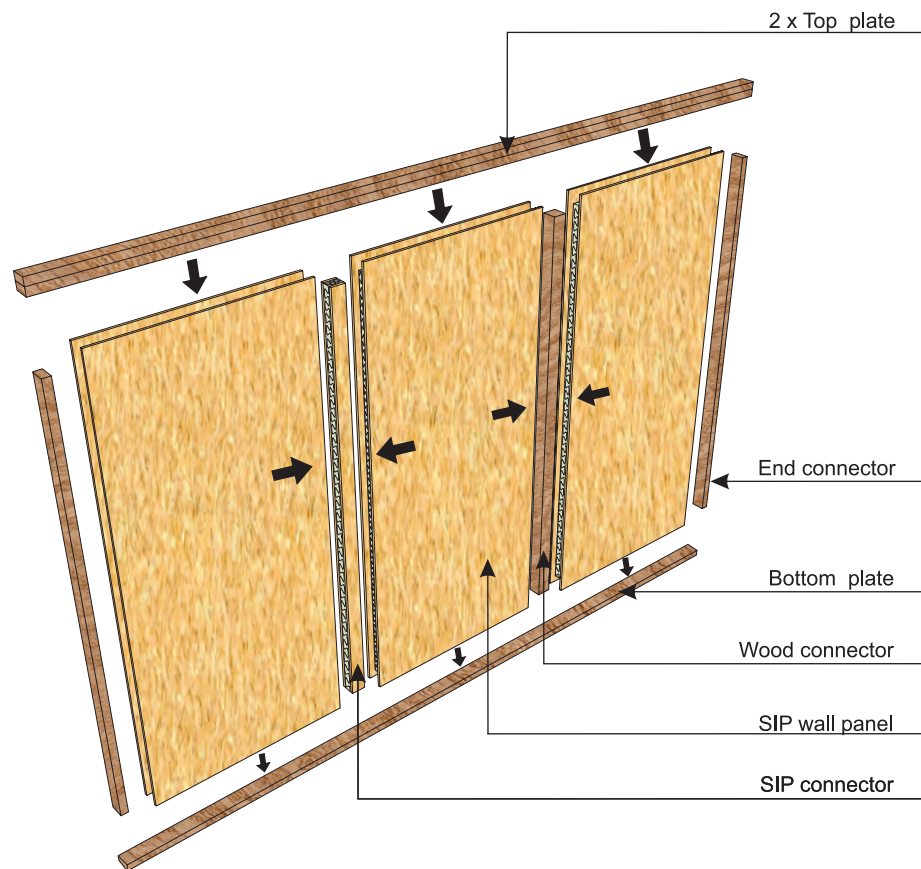
## SIP JOINT / SINGLE 4 X LUMBER SPLINE

SCALE: Not applicable

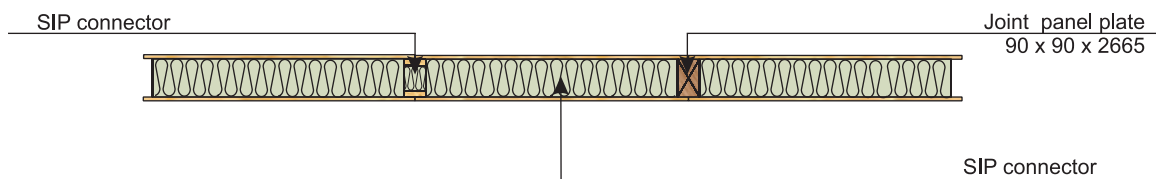
LAST UPDATE: January 2019

DETAIL 19

## PLAN VIEW



## TOP VIEW



### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

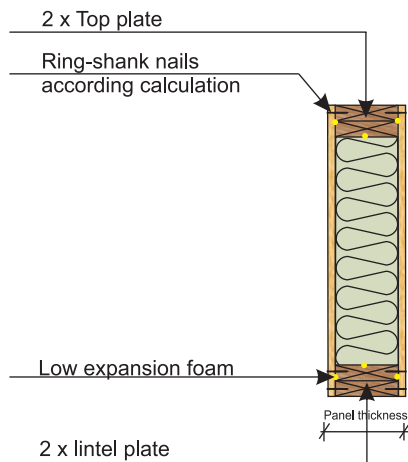
### DETAIL NAME:

## WALL FRAME CONNECTION

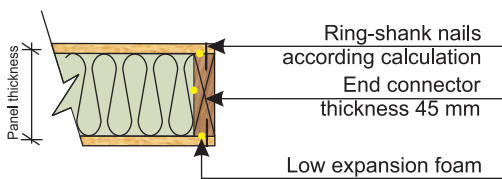
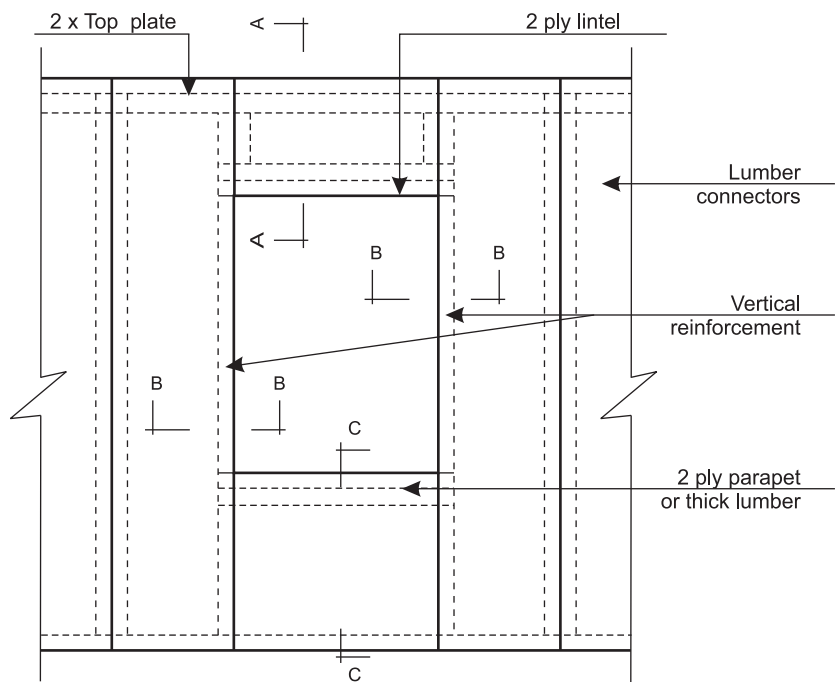
SCALE: Not applicable

LAST UPDATE: January 2019

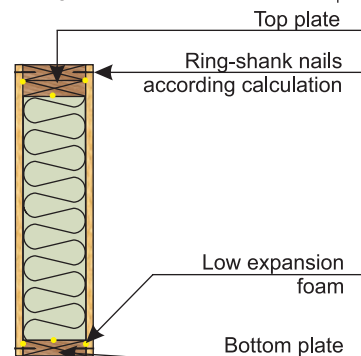
DETAIL 20



**Section A - A**



**Section B - B**



**Section C - C**

**NOTES:**

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

**REMARKS:**

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

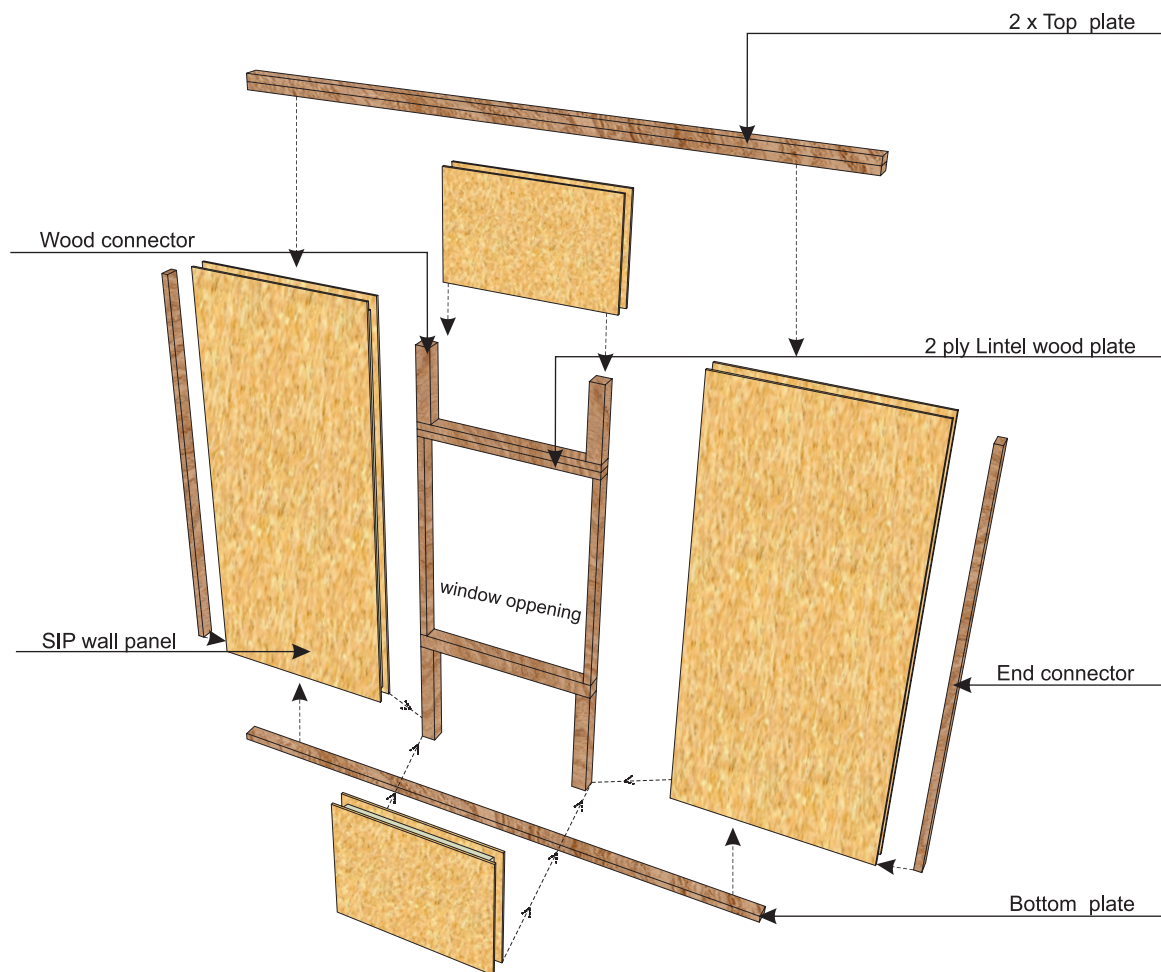
**DETAIL NAME:**

**WINDOWS REINFORCEMENT**

**SCALE:** Not applicable

**LAST UPDATE:** January 2019

**DETAIL 21**



#### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

#### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

#### DETAIL NAME:

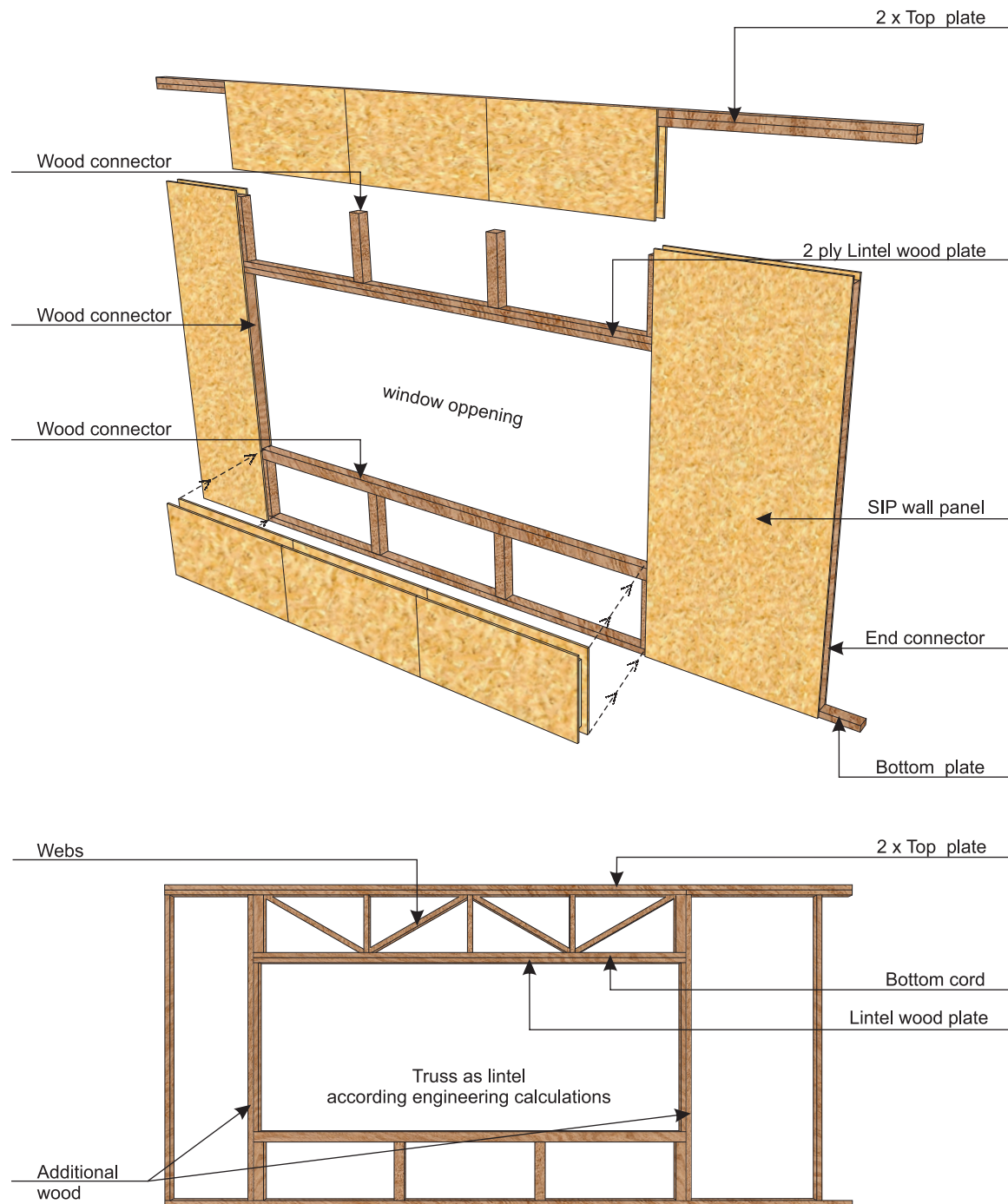
### REGULAR WINDOW OPENINGS REINFORCEMENT

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 22





#### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

#### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

#### DETAIL NAME:

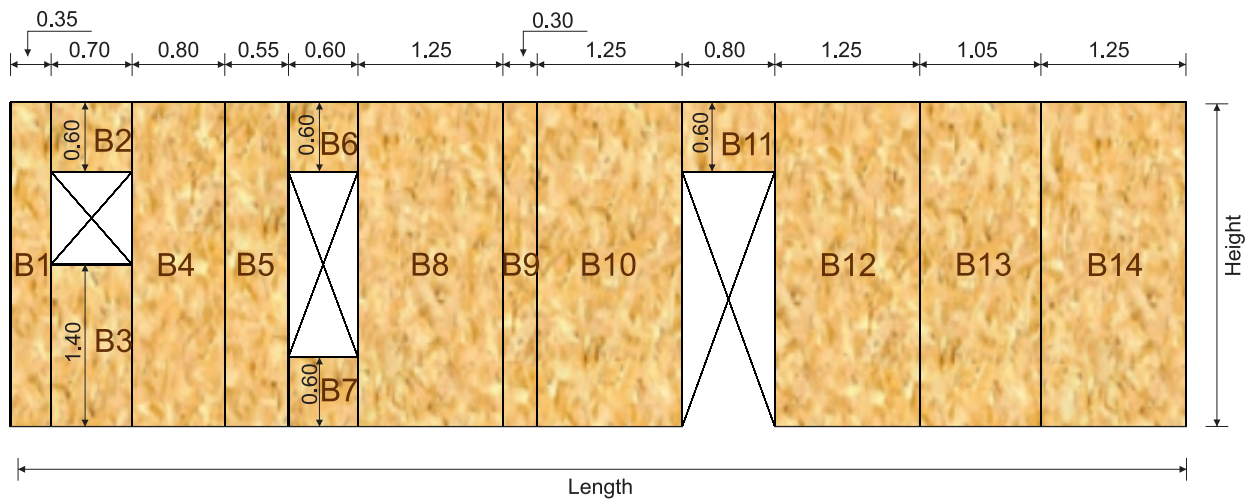
### BIG WINDOW OPENINGS REINFORCEMENT

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 23

## CUTTING LIST



### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

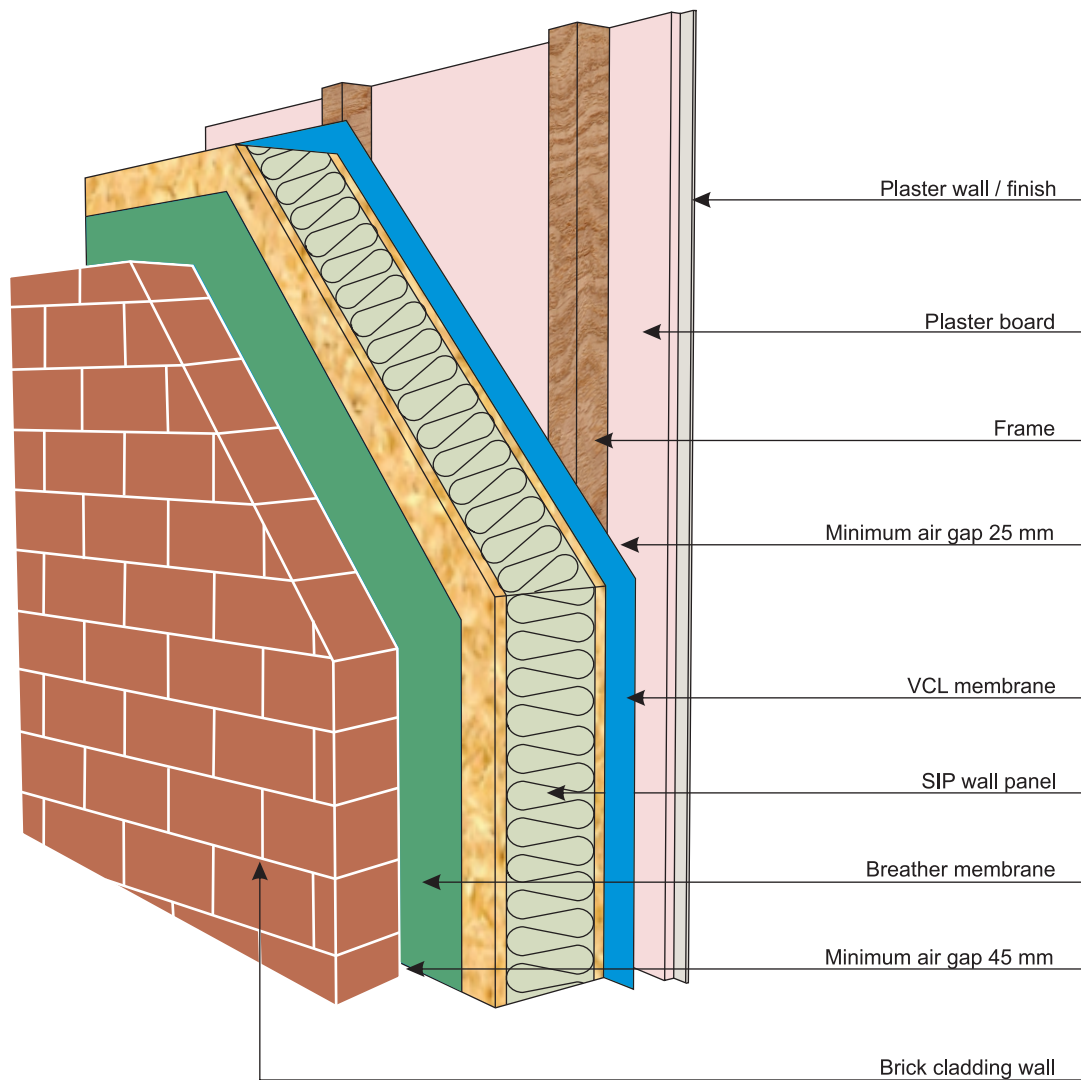
### DETAIL NAME:

## TYPICAL CUTTING LIST LAYOUT

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 24



\* Interior gap can be avoided if the thermal study allows it.

#### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

#### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

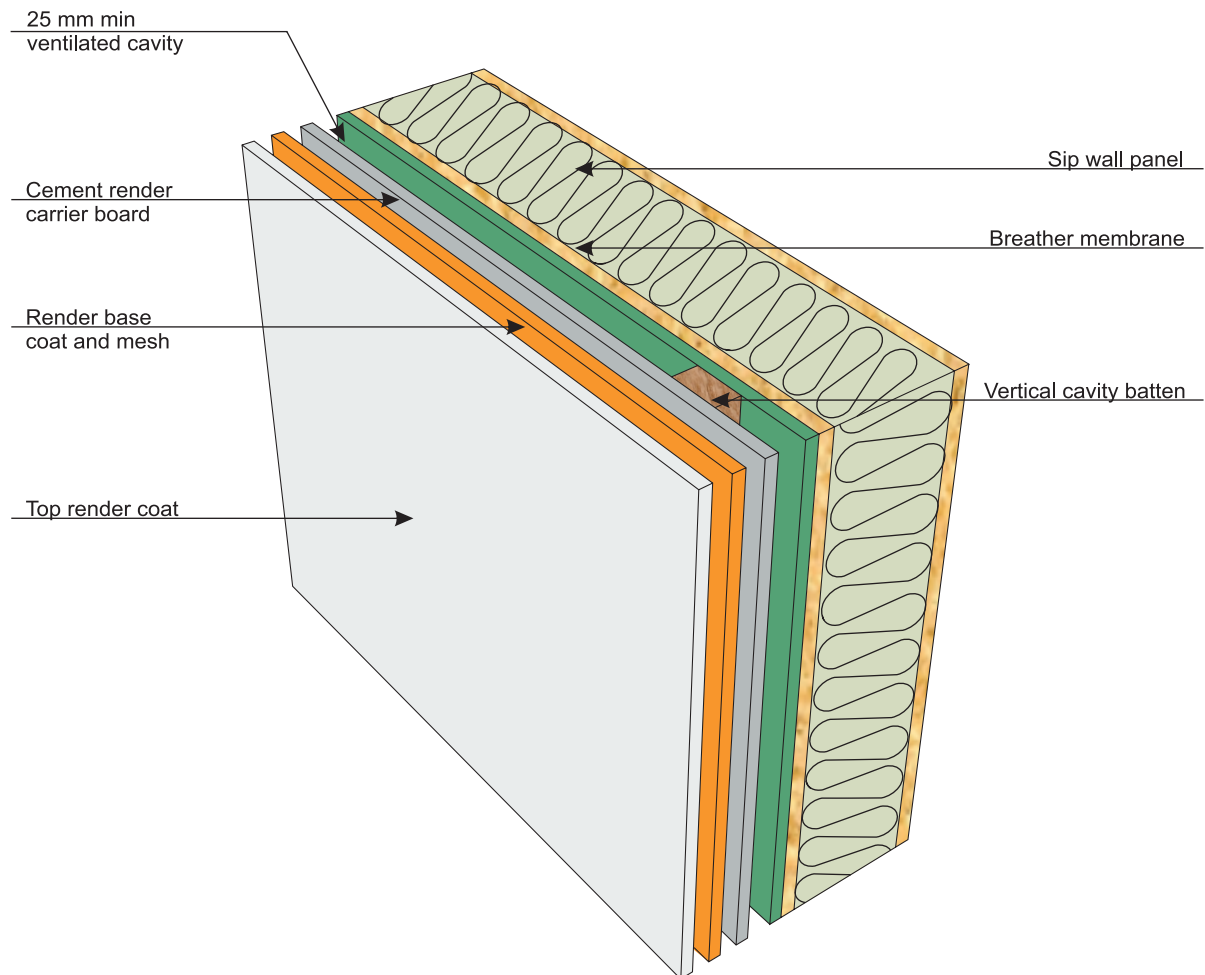
#### DETAIL NAME:

### WALL LAYERS

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 25



\* Interior gap can be avoided if the thermal study allows it.

#### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

#### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

#### DETAIL NAME:

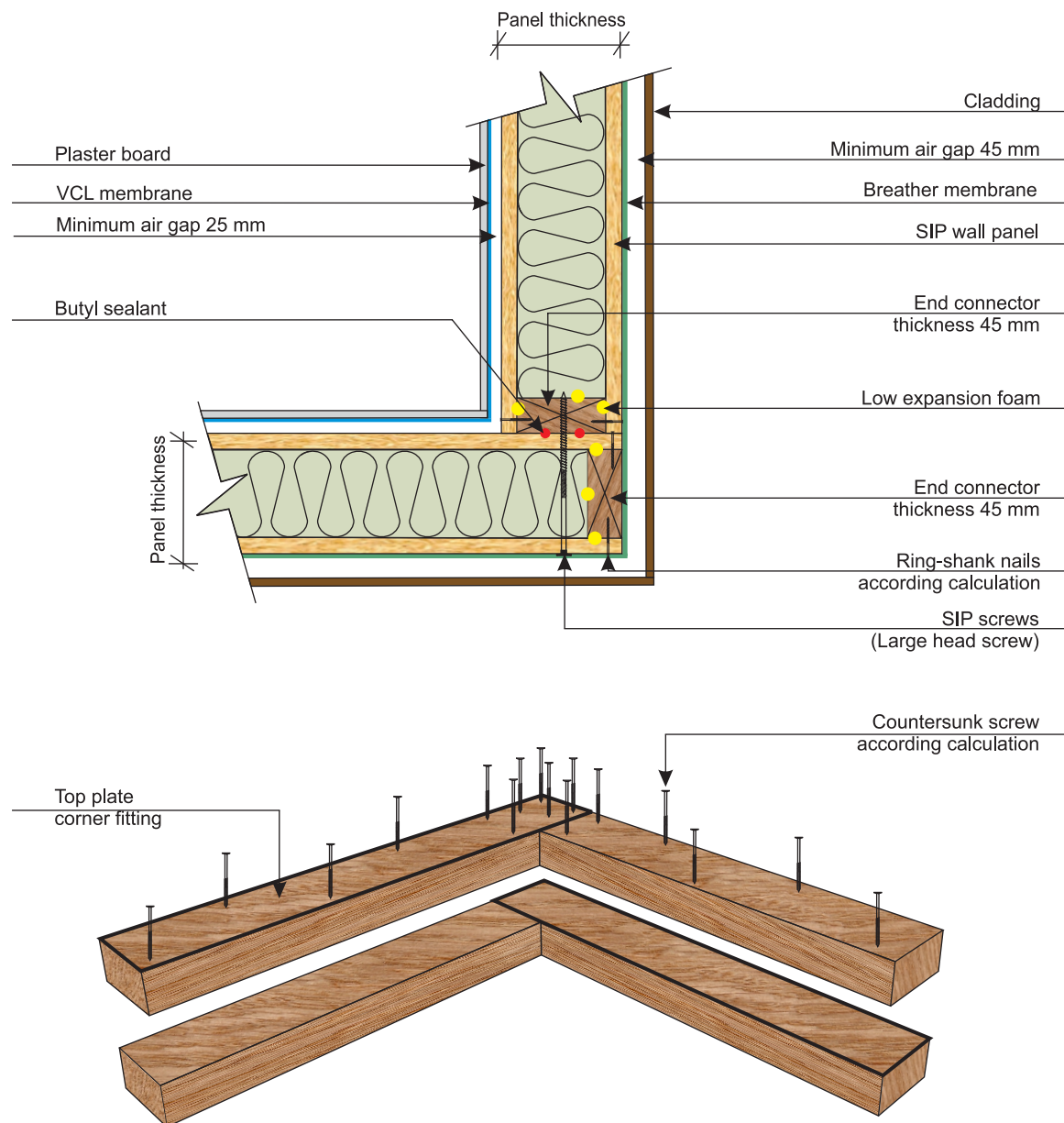
### WALL LAYERS WITH SUPPORTED CLADDINGS

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 26

## TOP VIEW



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

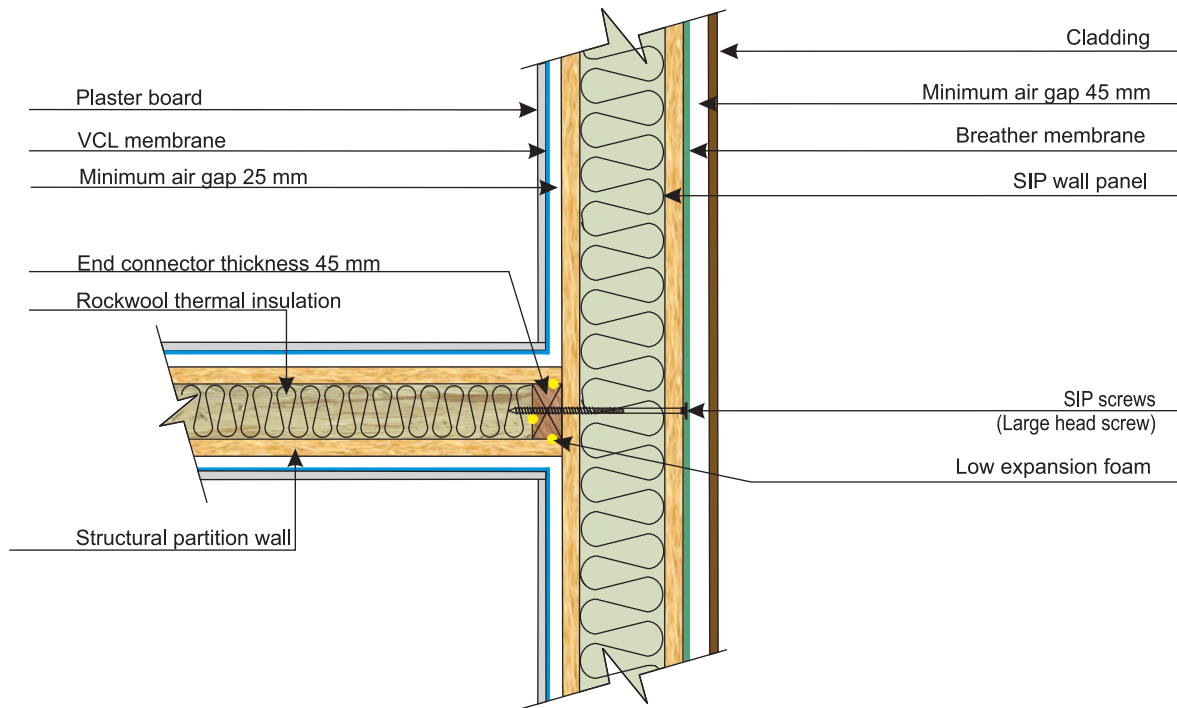
## EXTERNAL WALLS CORNER CONNECTION - TOP PLATE DETAIL

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 27

## TOP VIEW



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

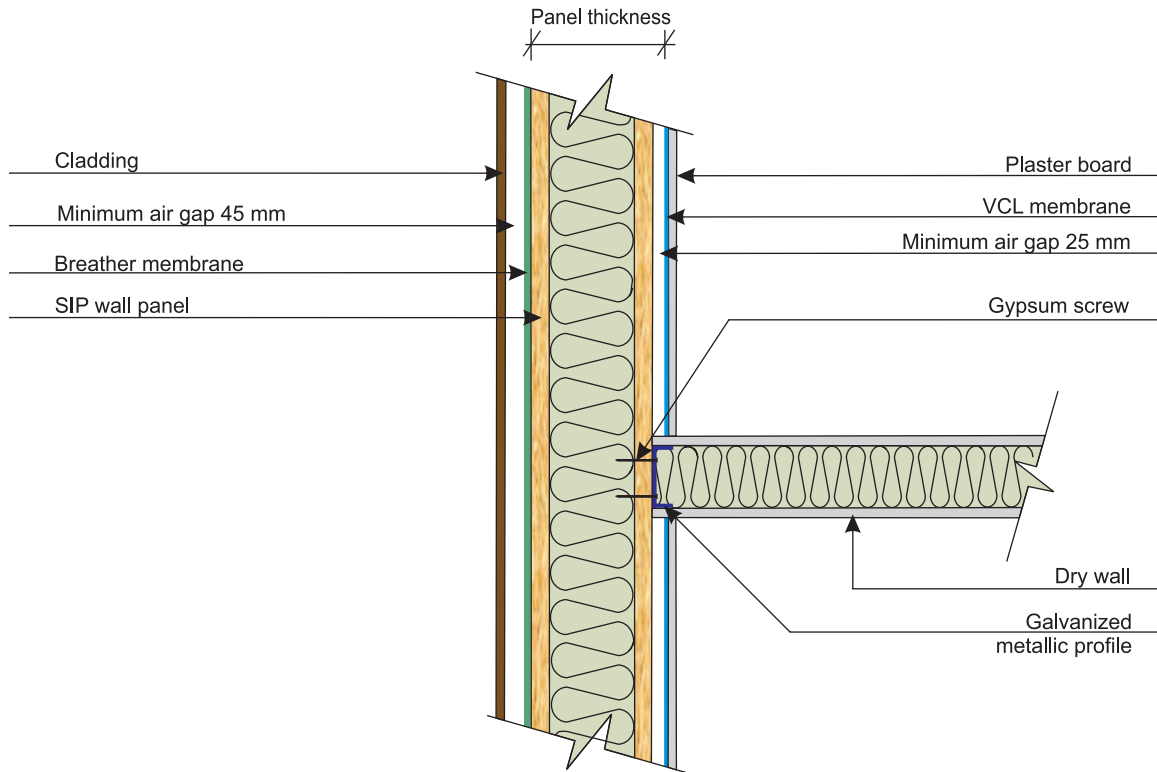
## INTERNAL SIP WALL WITH EXTERNAL SIP WALL CONNECTION

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 28

## TOP VIEW



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

## INTERNAL DRY WALL WITH EXTERNAL SIP WALL CONNECTION

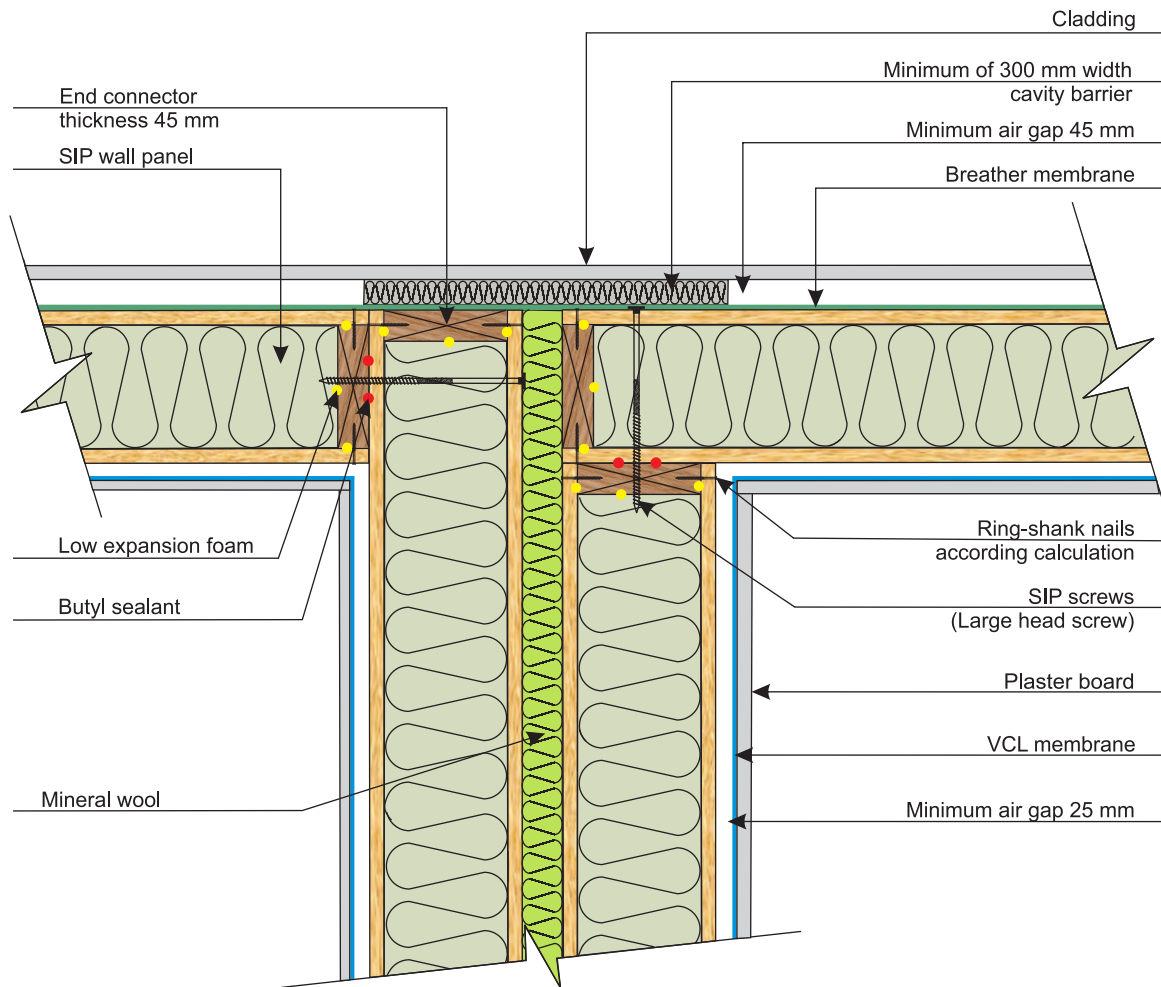
SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 29



## TOP VIEW



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

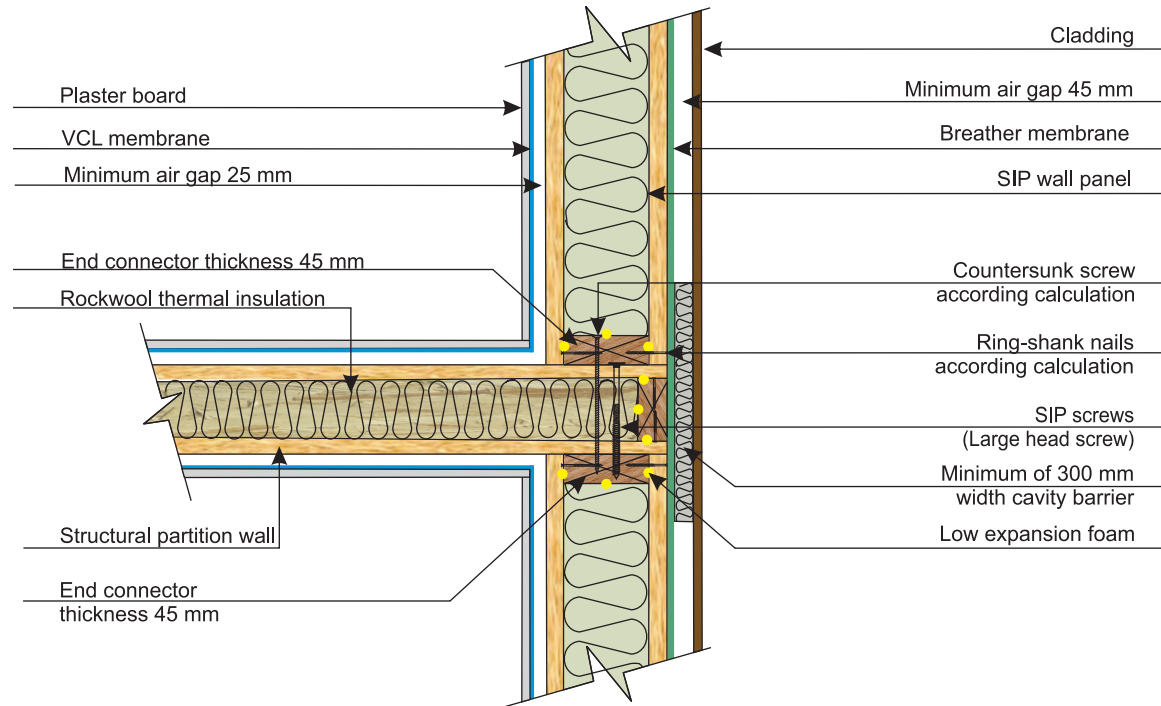
## PARTY WALL WITH EXTERNAL WALL CONNECTION

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 30

## TOP VIEW



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

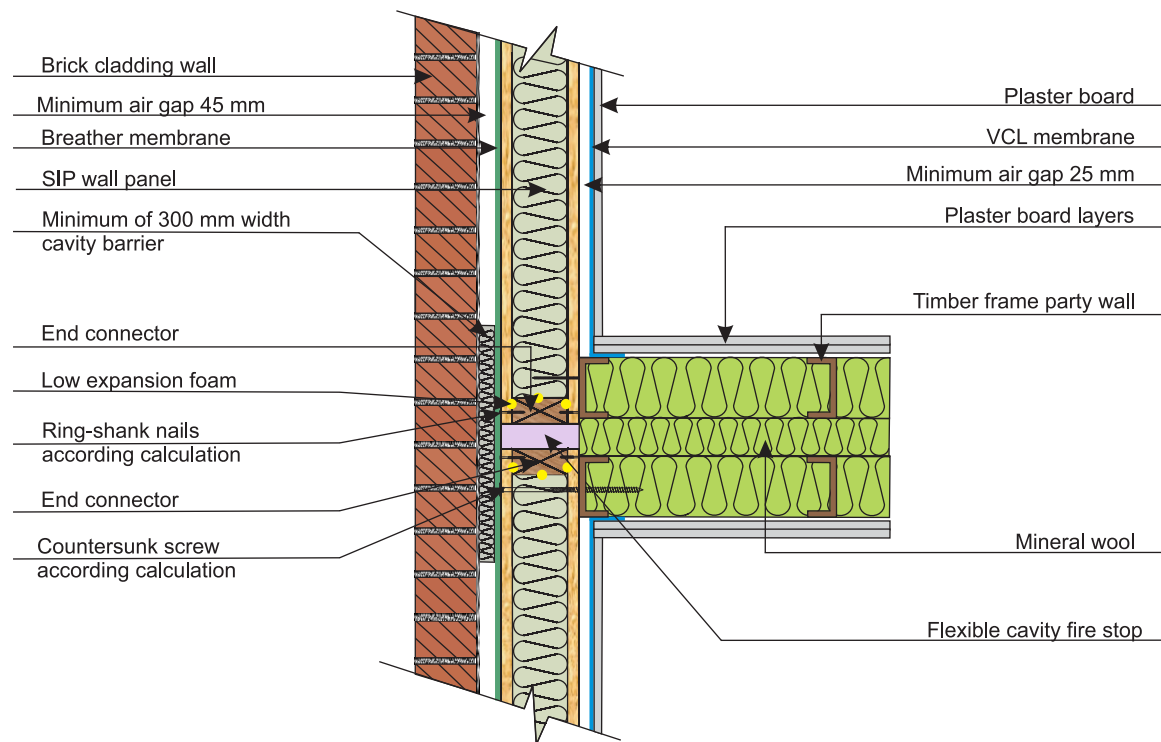
## PARTY WALL CONNECTION - INTERNAL EXTENDED WALL - FLANKING PREVENTION

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 31

## TOP VIEW



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

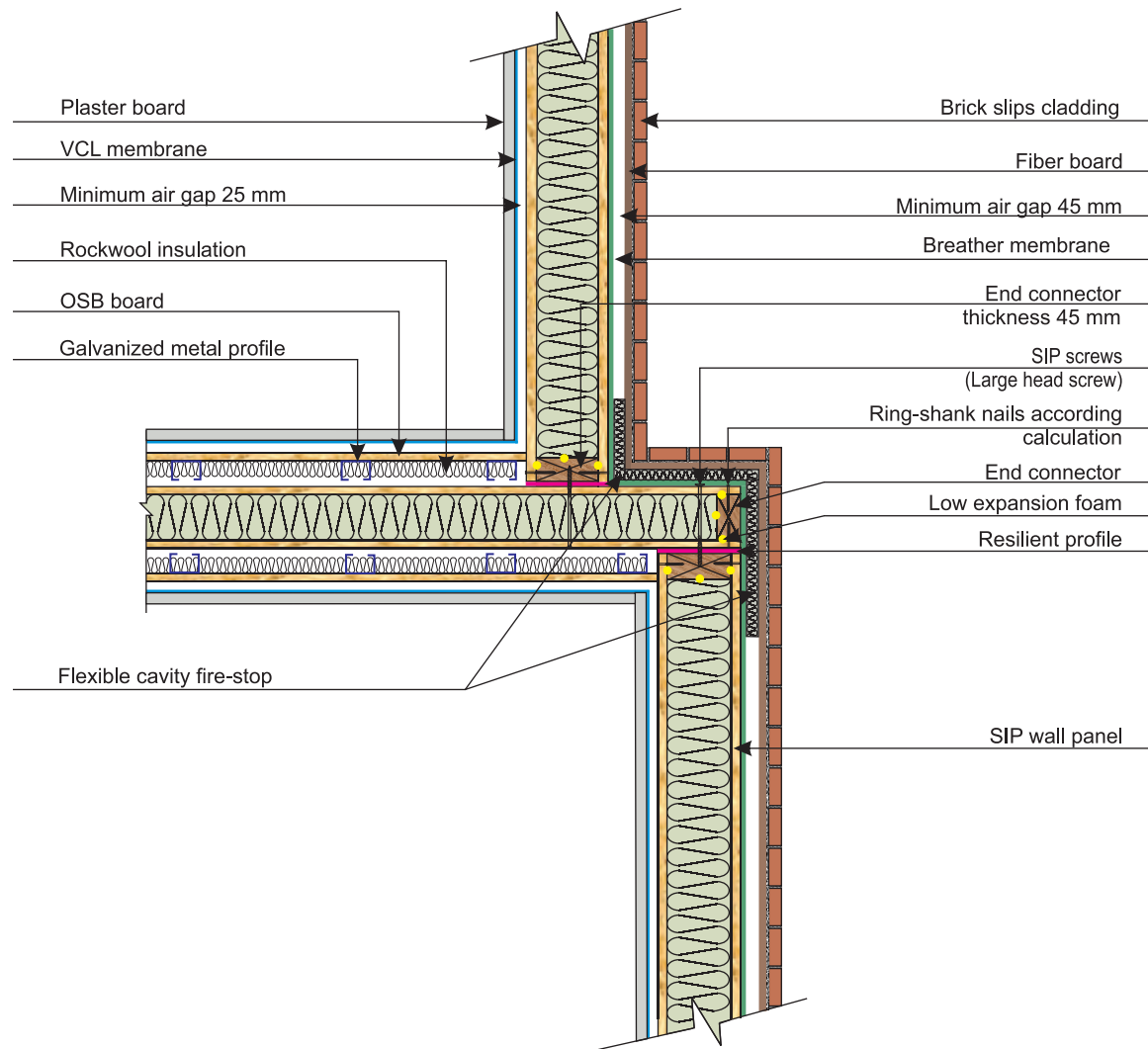
## PARTITION TIMBER FRAME DRYWALL CONNECTION WITH EXTERNAL SIP WALL

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 32

## TOP VIEW



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

## PARTY WALL - FLANKING PREVENTION

SCALE: Not applicable

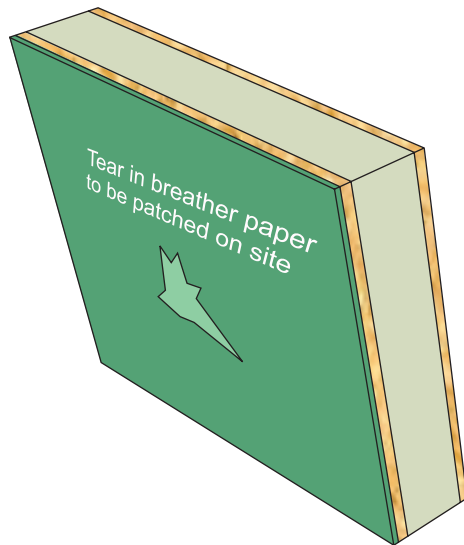
LAST UPDATE: January 2019

DETAIL 33

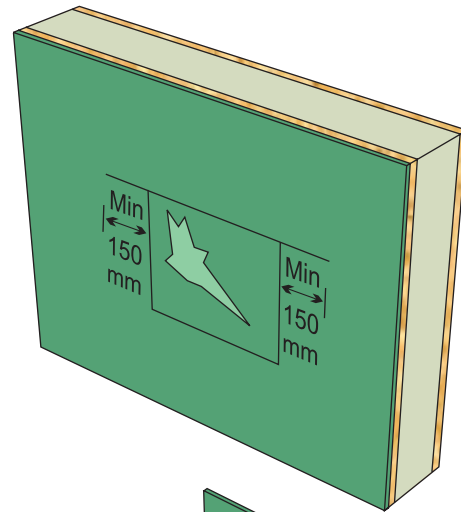
## Breather membrane repair

"Square-off" area to be patched and extend cuts to top by 150 mm as shown

Step 1

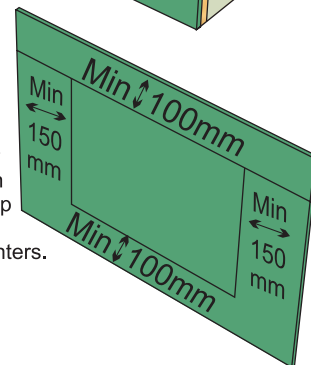


Step 2

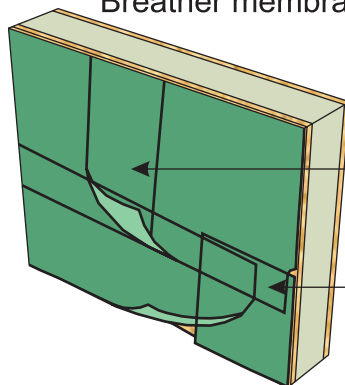


Step 3

Slip breather paper patch up below site. Cut breather paper to provide 100 mm min over-lap, allow 150 mm min over-lap to both sides. Allow 100 mm min over-lap to bottom edge. Staple in position using stainless steel at 150 mm centers.



### Breather membrane over-lap



Vertical over-lap to be min 150 mm

Horizontal over-lap to be min 100 mm

#### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

#### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

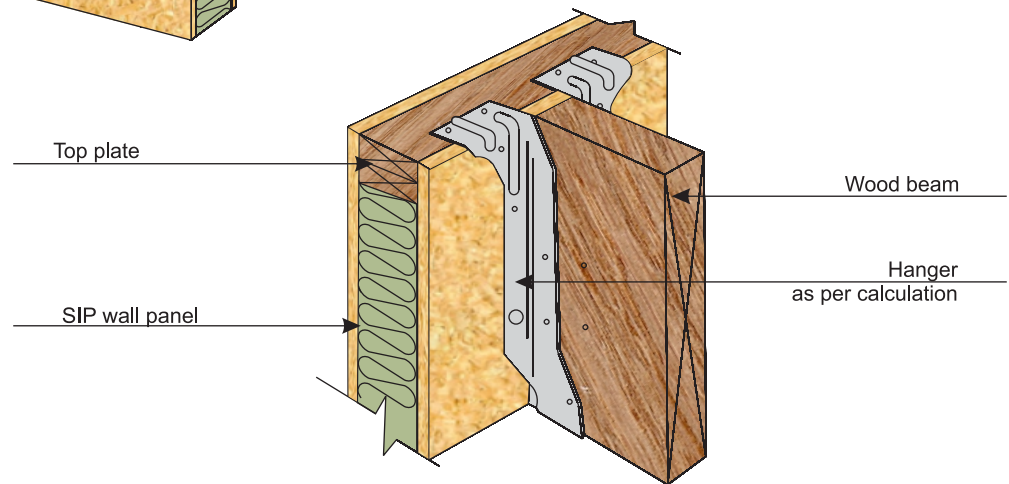
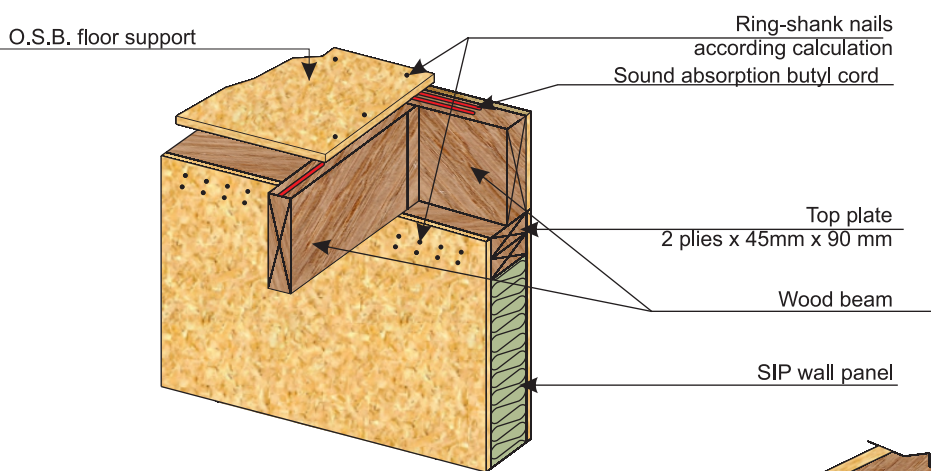
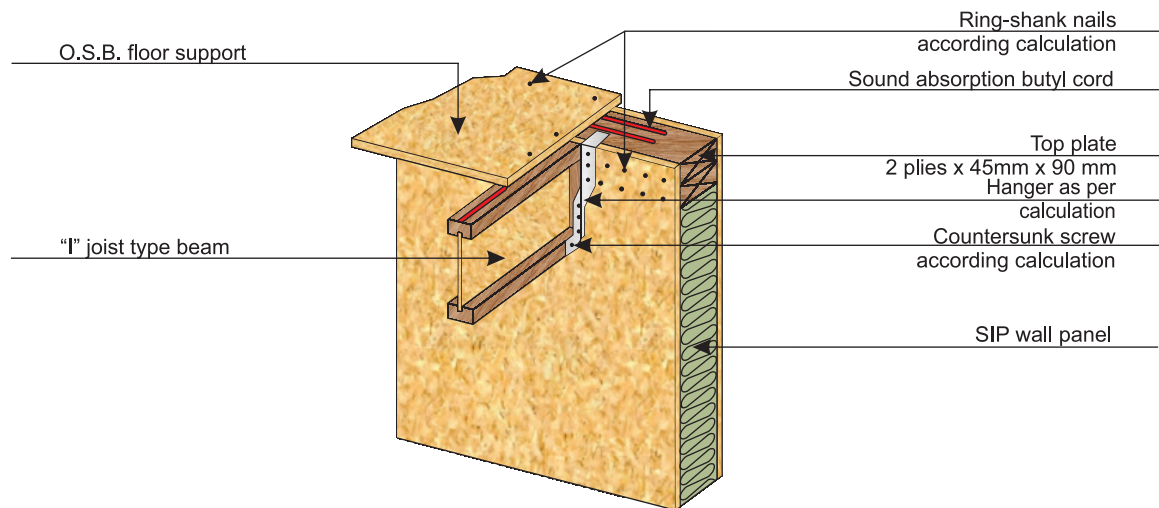
#### DETAIL NAME:

### PATCHING TEARS & OVER-LAP IN BREATHER MEMBRANE

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 34



#### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

#### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

#### DETAIL NAME:

### JOISTS TO WALL CONNECTION

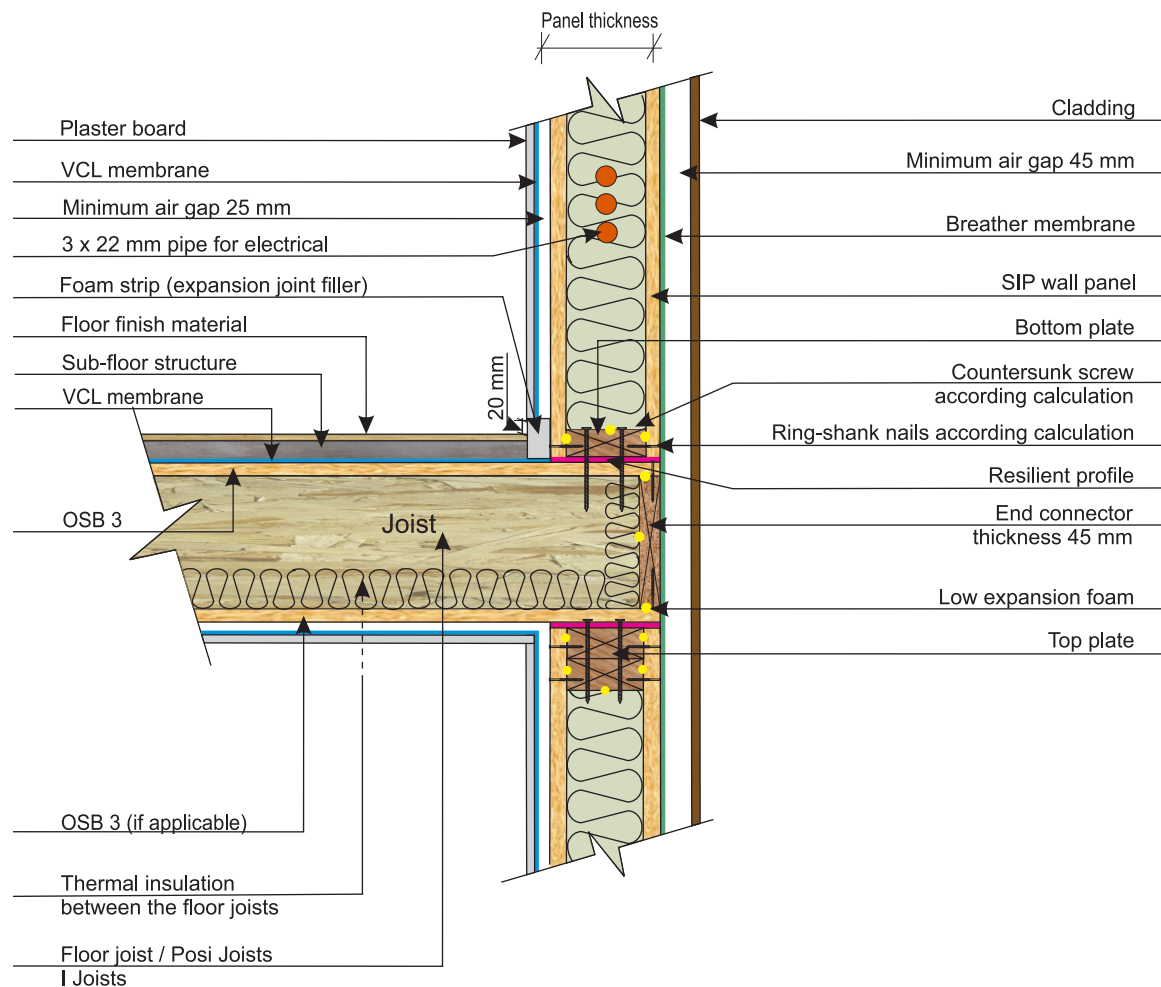
SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 35



## VERTICAL SECTION



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

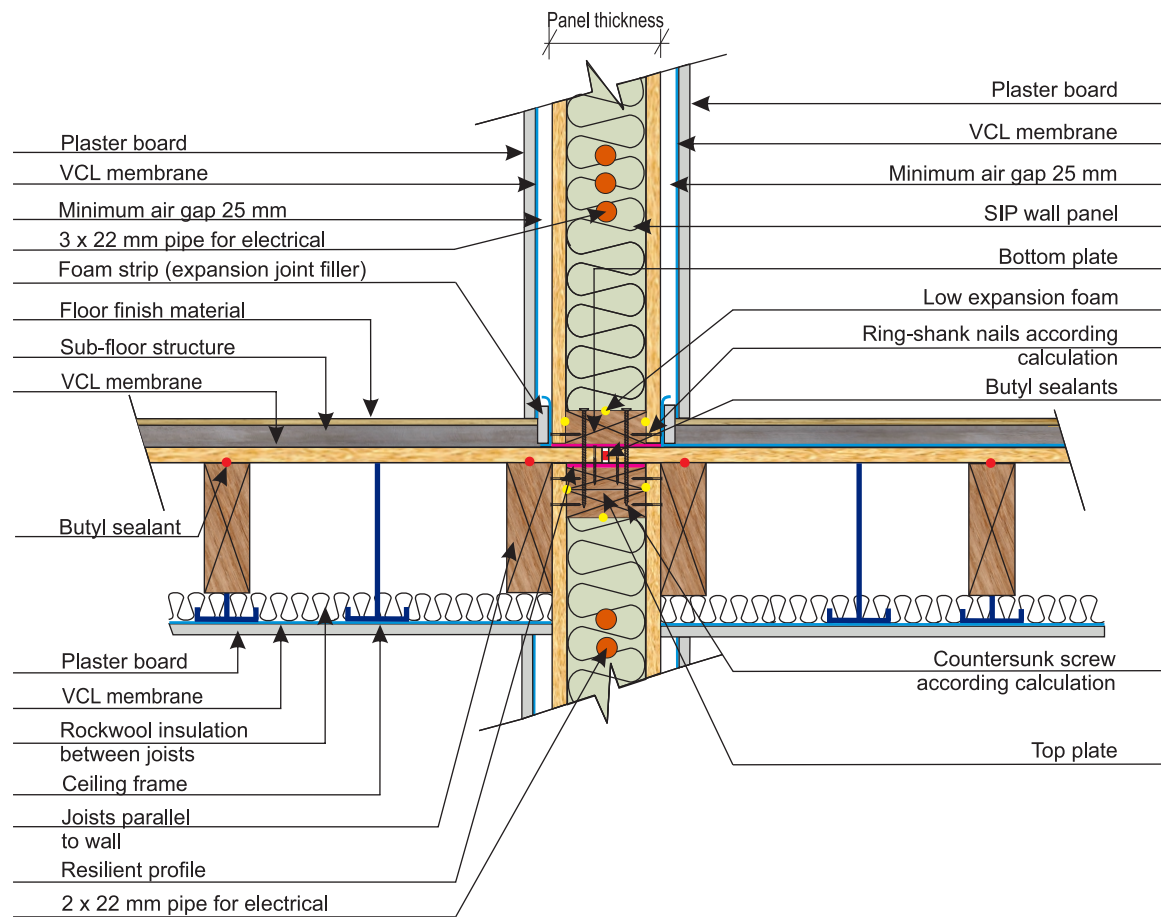
## FLOOR JOIST TO WALL & WALL TO FLOOR JOISTS

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 36

## VERTICAL SECTION



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

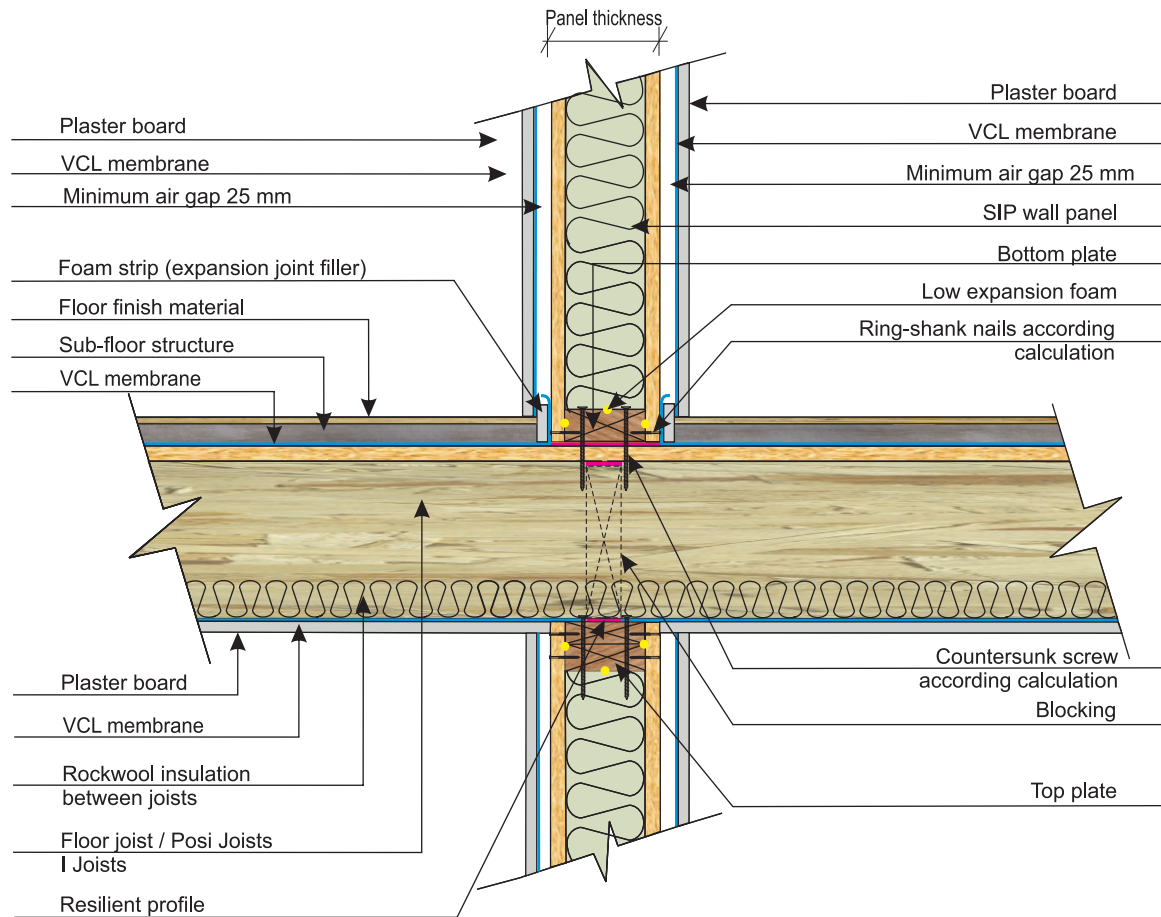
## JOISTS PARALLEL TO DIVIDING WALL

SCALE: Not applicable

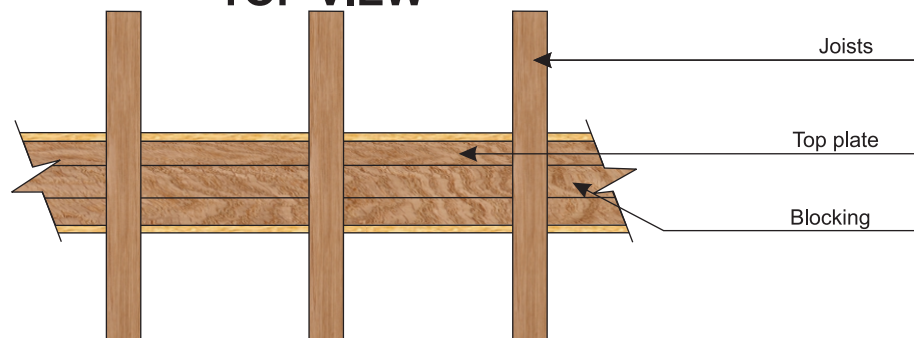
LAST UPDATE: January 2019

DETAIL 37

## VERTICAL SECTION



## TOP VIEW



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

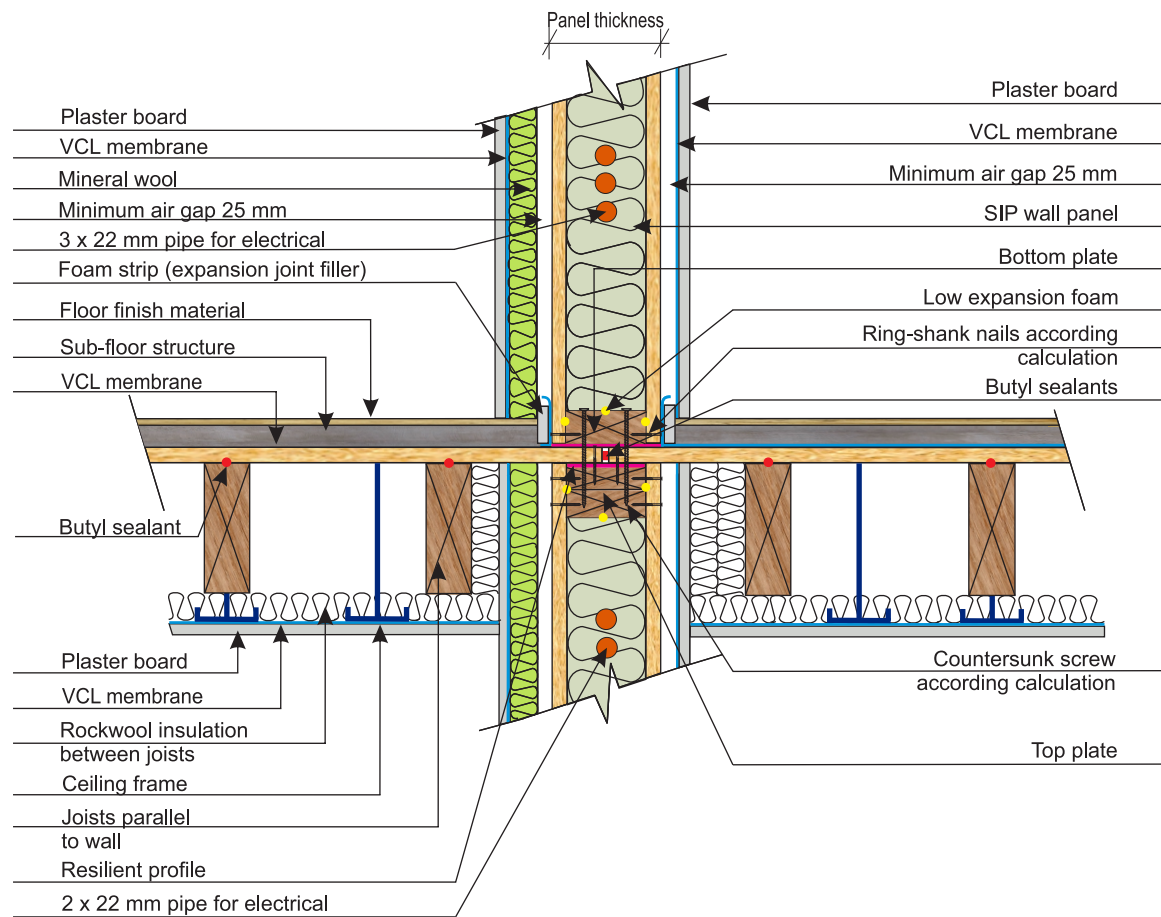
## JOISTS SITTING ON DIVIDING WALL

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 38

## VERTICAL SECTION



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

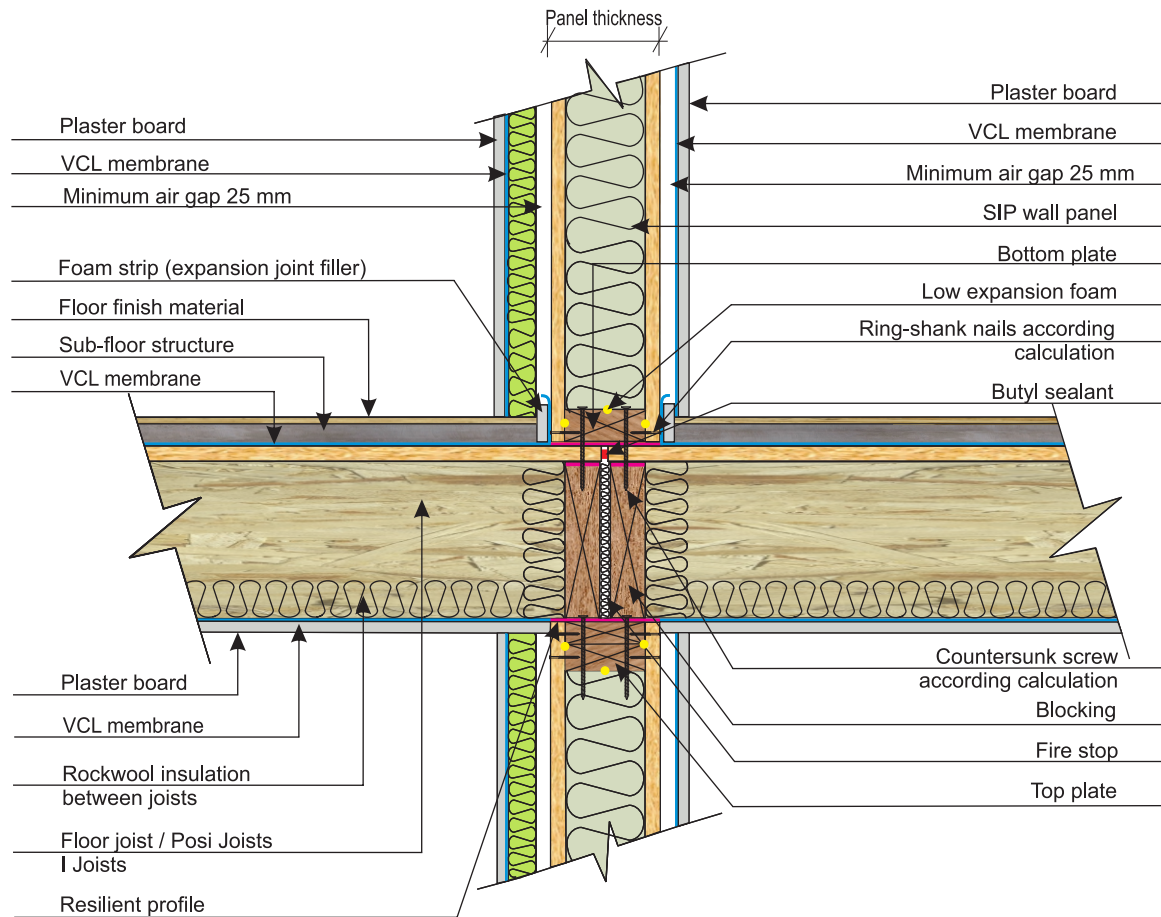
## JOISTS PARALLEL TO PARTY WALL

SCALE: Not applicable

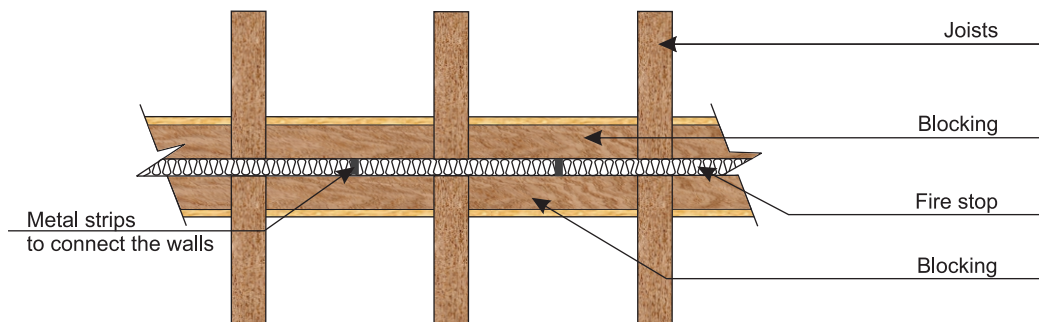
LAST UPDATE: January 2019

DETAIL 39

## VERTICAL SECTION



## TOP VIEW



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

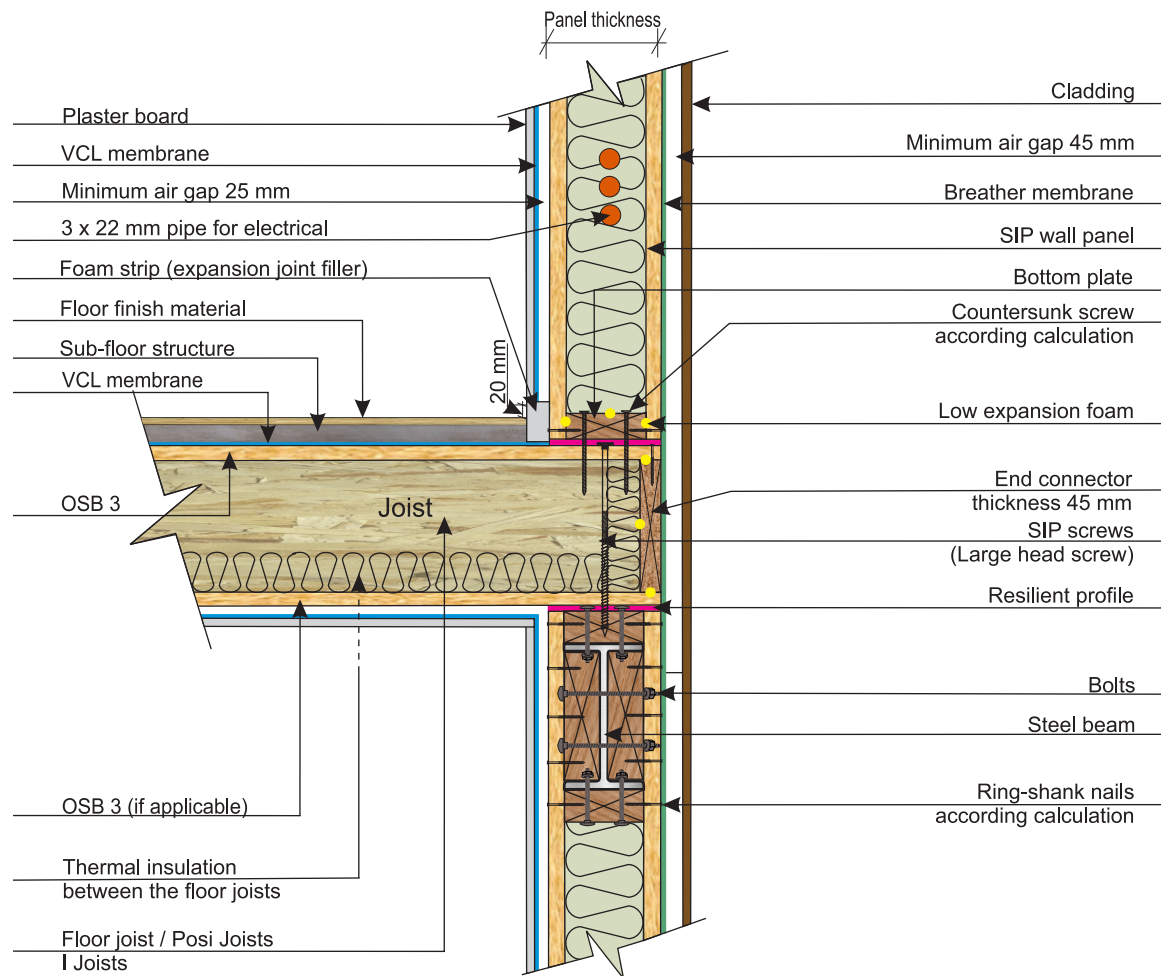
## JOISTS SEATING ON PARTY WALL

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 40

## VERTICAL SECTION



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

## STEEL BEAM EMBEDDED TO PANEL

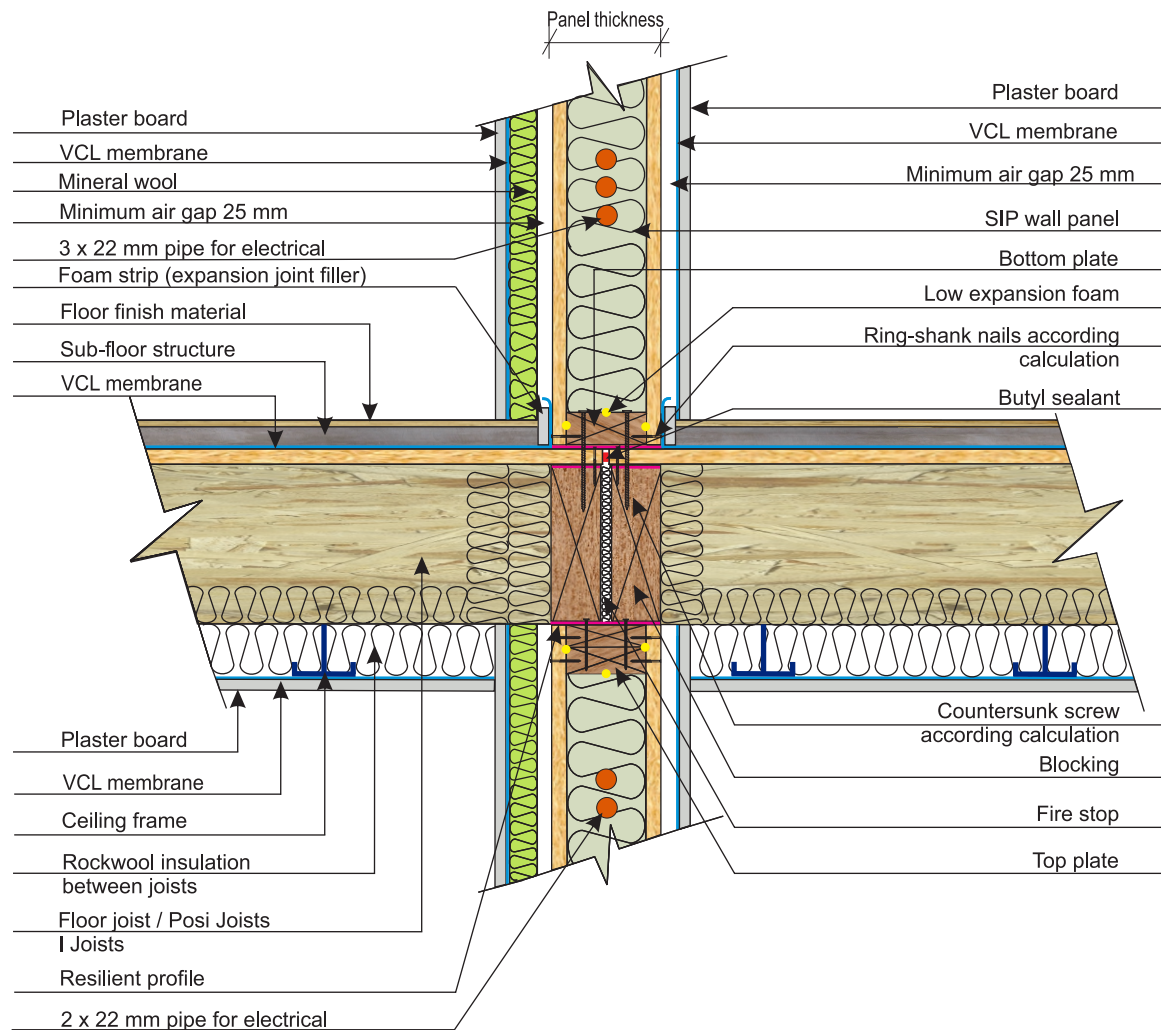
SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 41



## VERTICAL SECTION



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

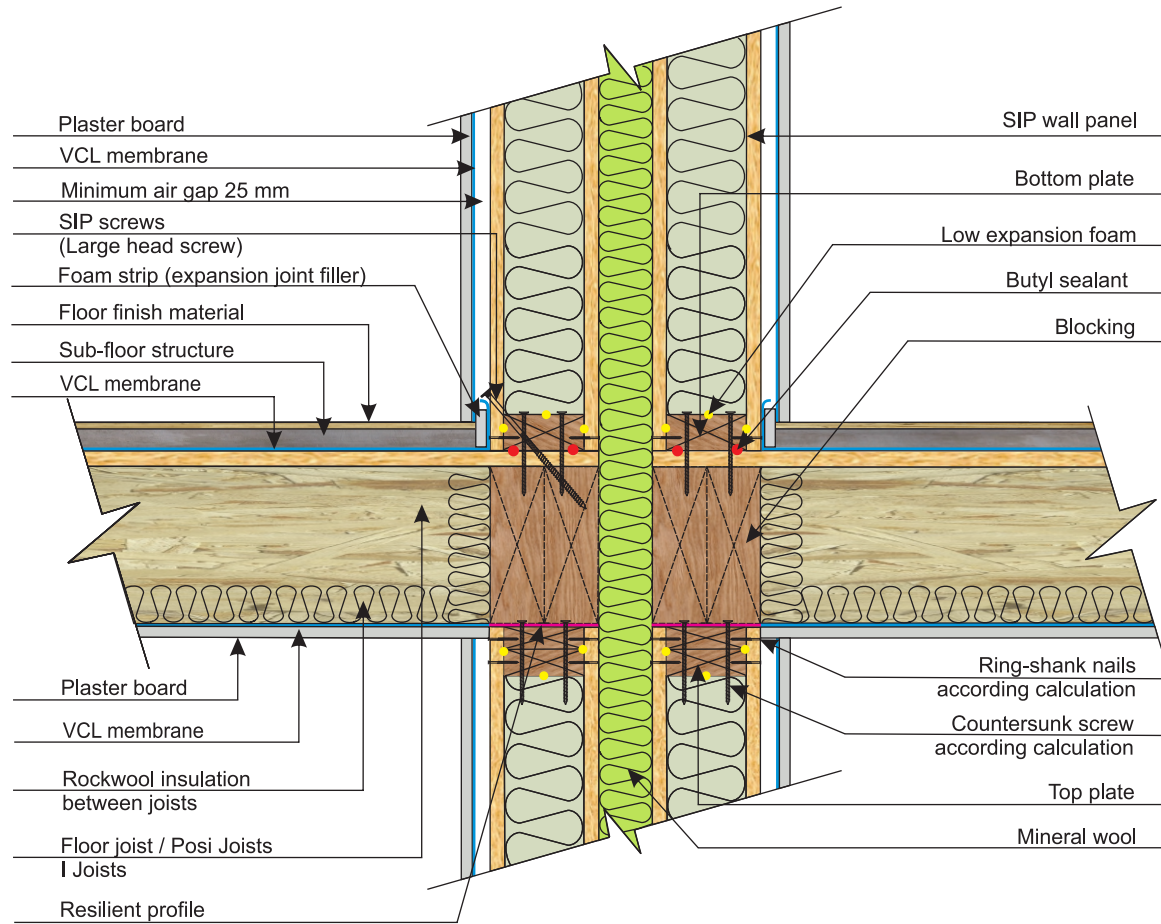
## JOISTS SEATING ON WALL WITH SUSPENDED CEILING

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 42

## VERTICAL SECTION



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

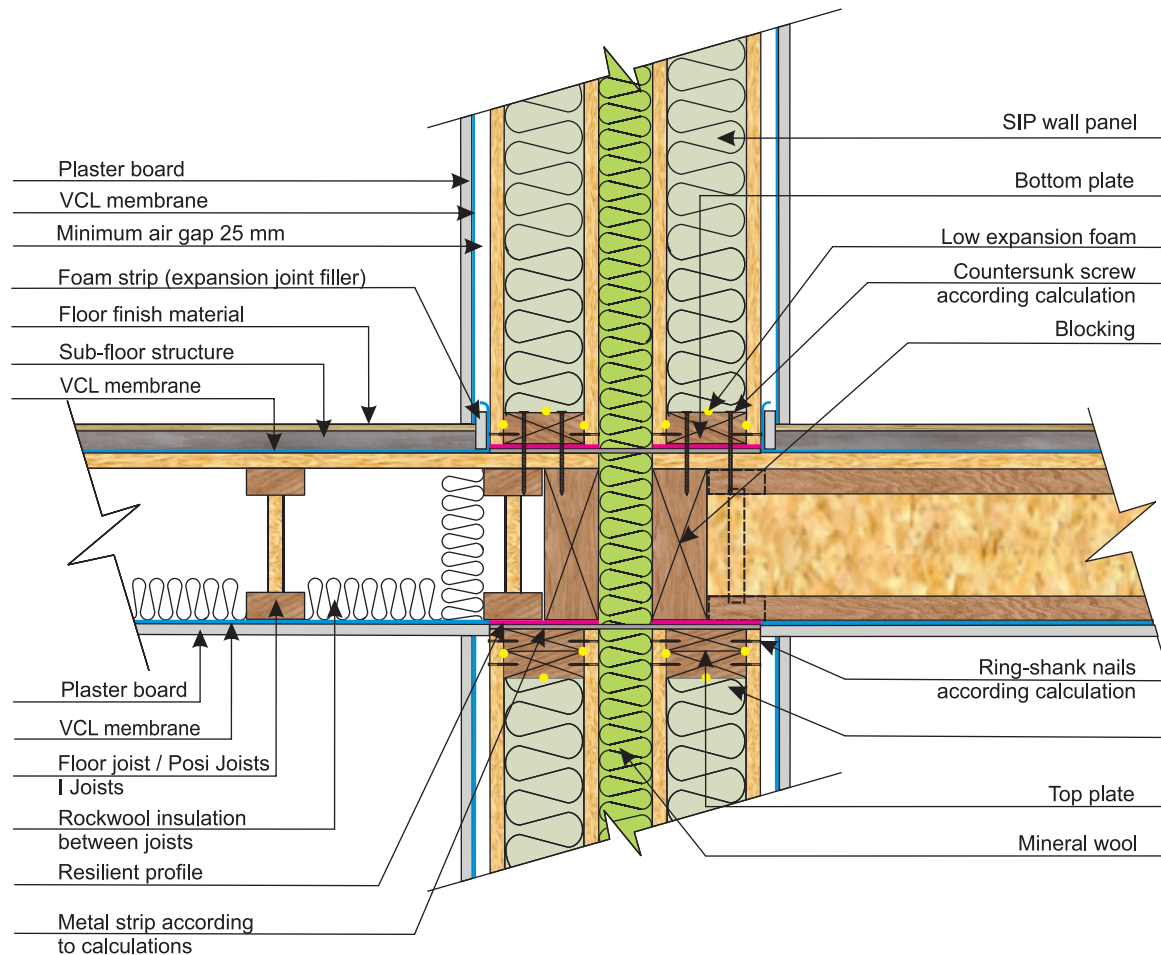
**PARTY WALL**

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 43

## VERTICAL SECTION



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

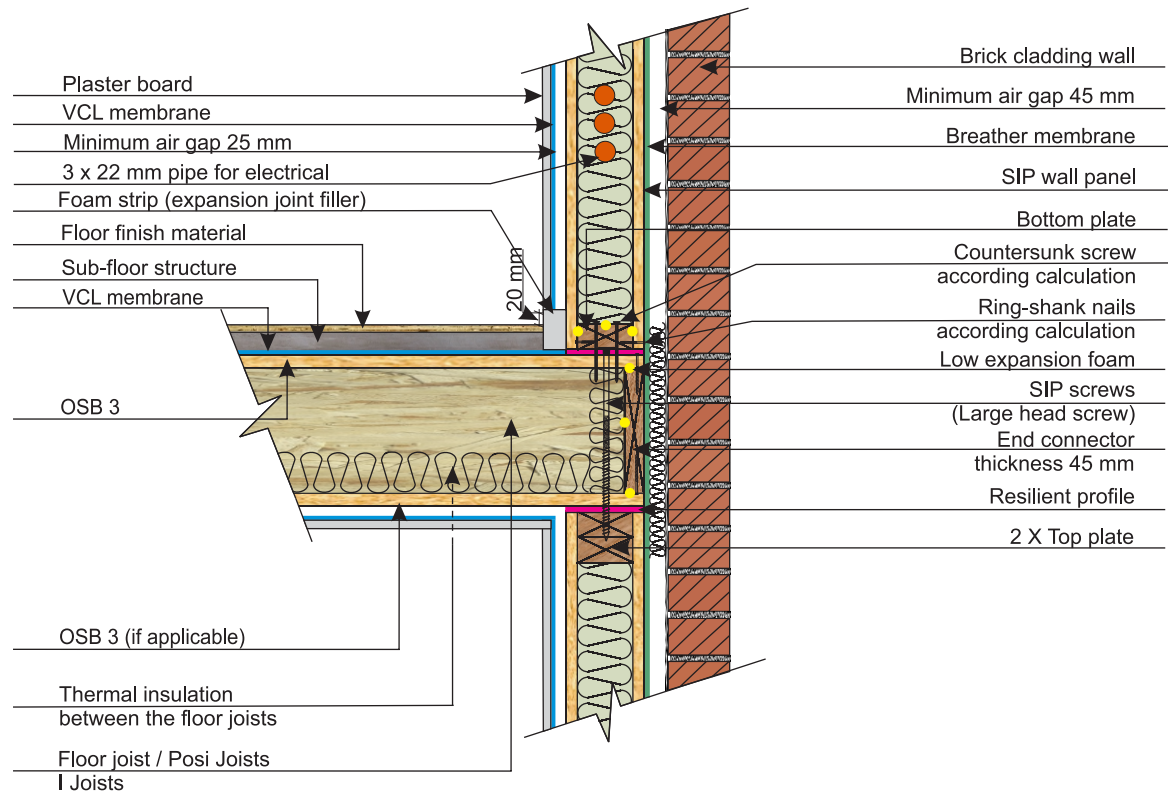
## PARTY WALL STRIPS

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 44

## VERTICAL SECTION



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

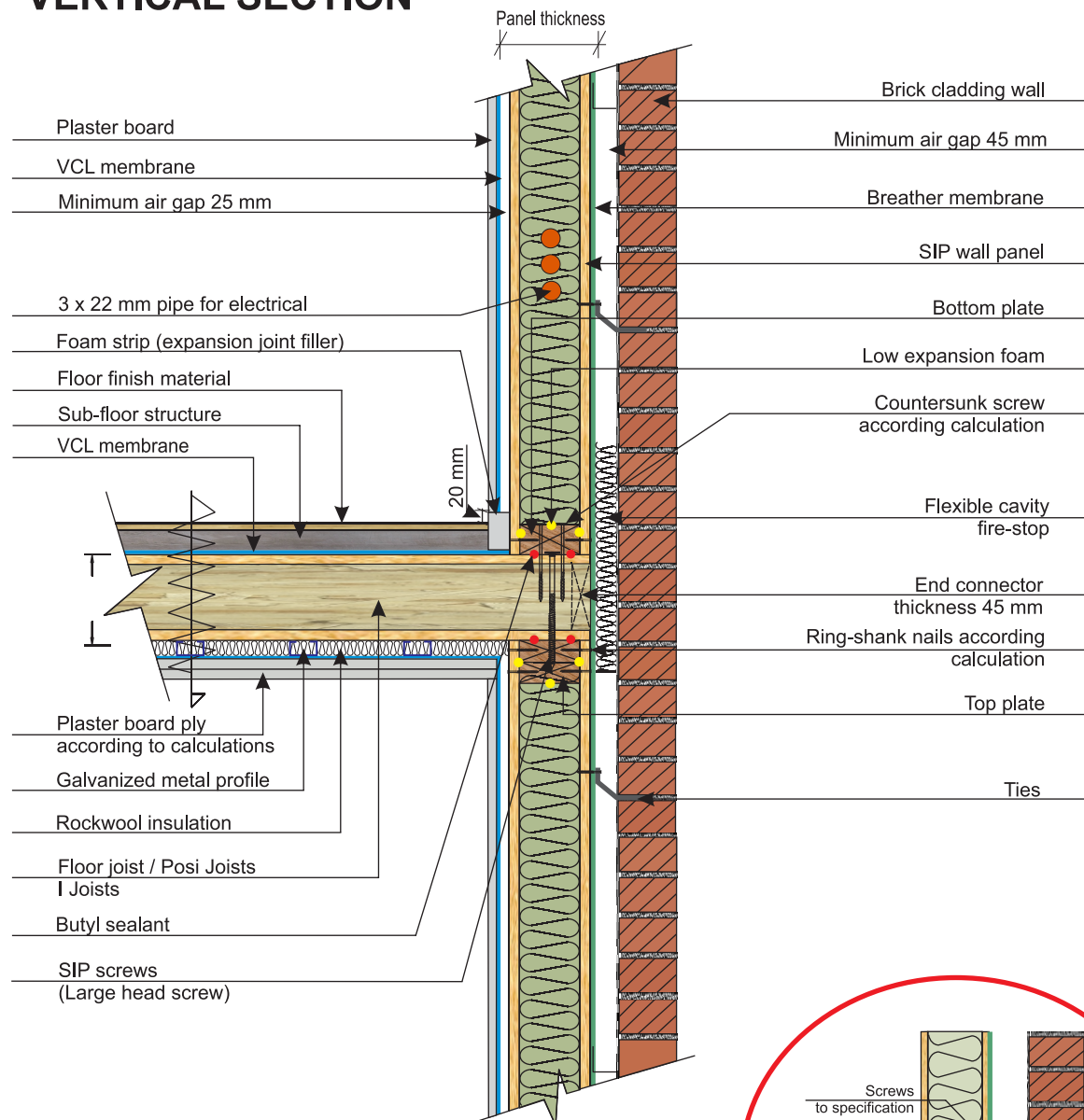
## FLOOR JOIST TO WALL & WALL TO FLOOR JOISTS

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 45

## VERTICAL SECTION



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

## FLOOR JOISTS TO WALL & WALL TO FLOOR JOISTS

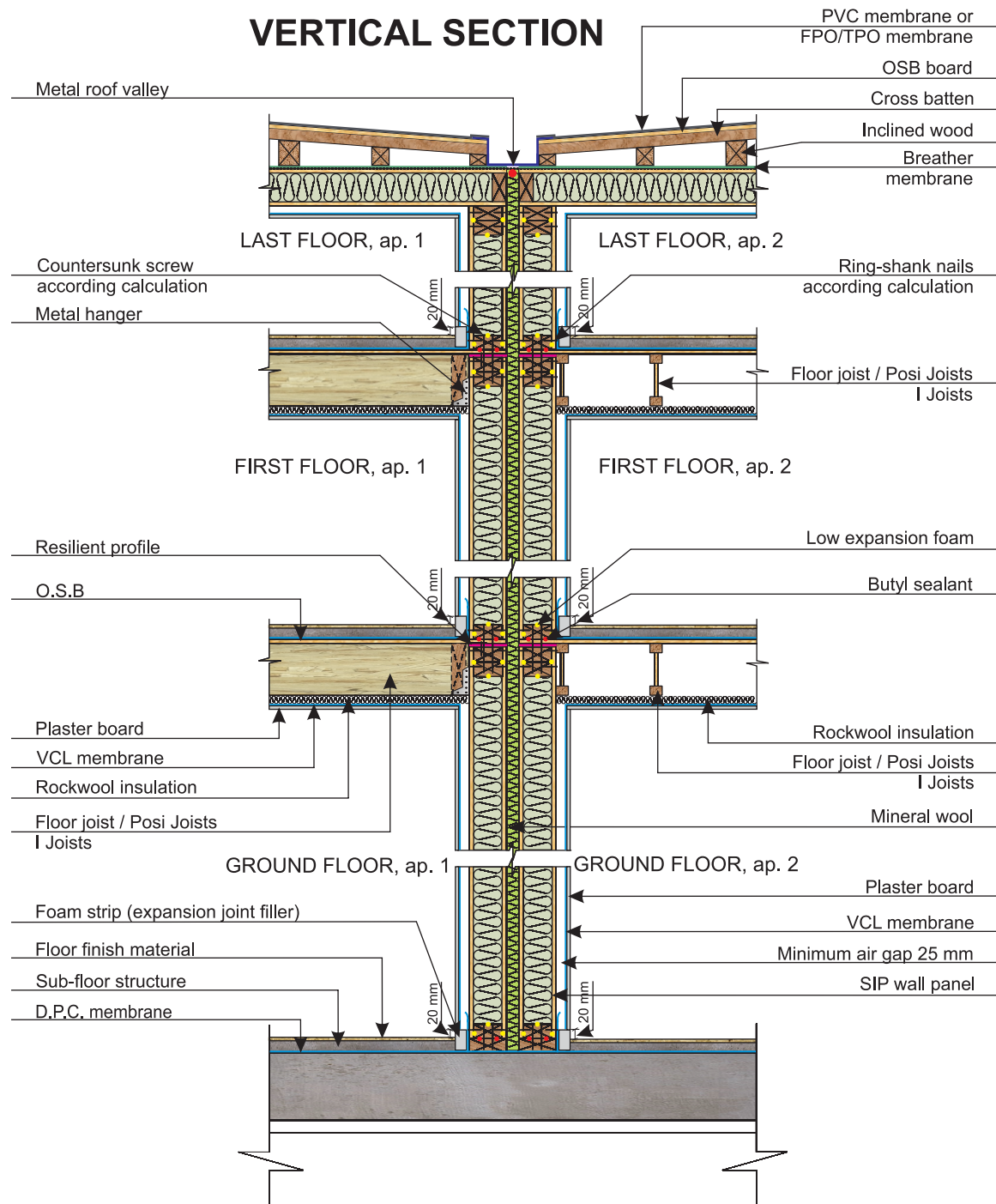
SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 46



# VERTICAL SECTION



\* Interior gap can be avoided if the thermal study allows it.

## NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

## REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

## DETAIL NAME:

## PARTY WALL STRUCTURE

SCALE: Not applicable

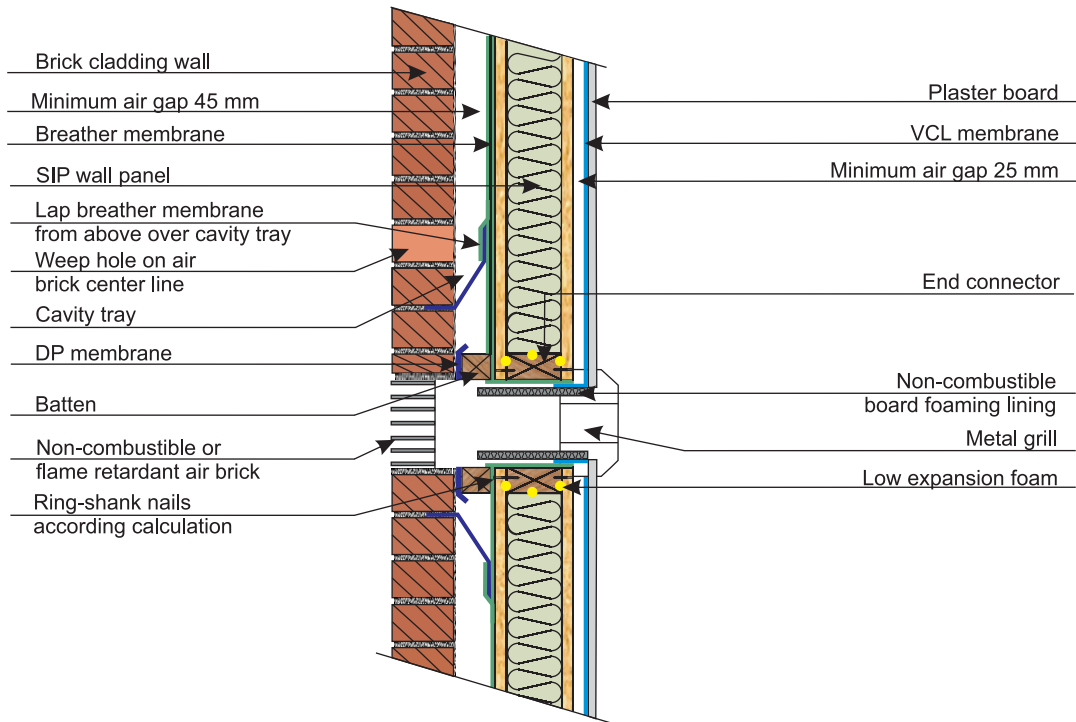
LAST UPDATE: January 2019

DETAIL 47



## VERTICAL SECTION

### Cavity barriers at penetrations through external walls



\* Interior gap can be avoided if the thermal study allows it.

#### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

#### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

#### DETAIL NAME:

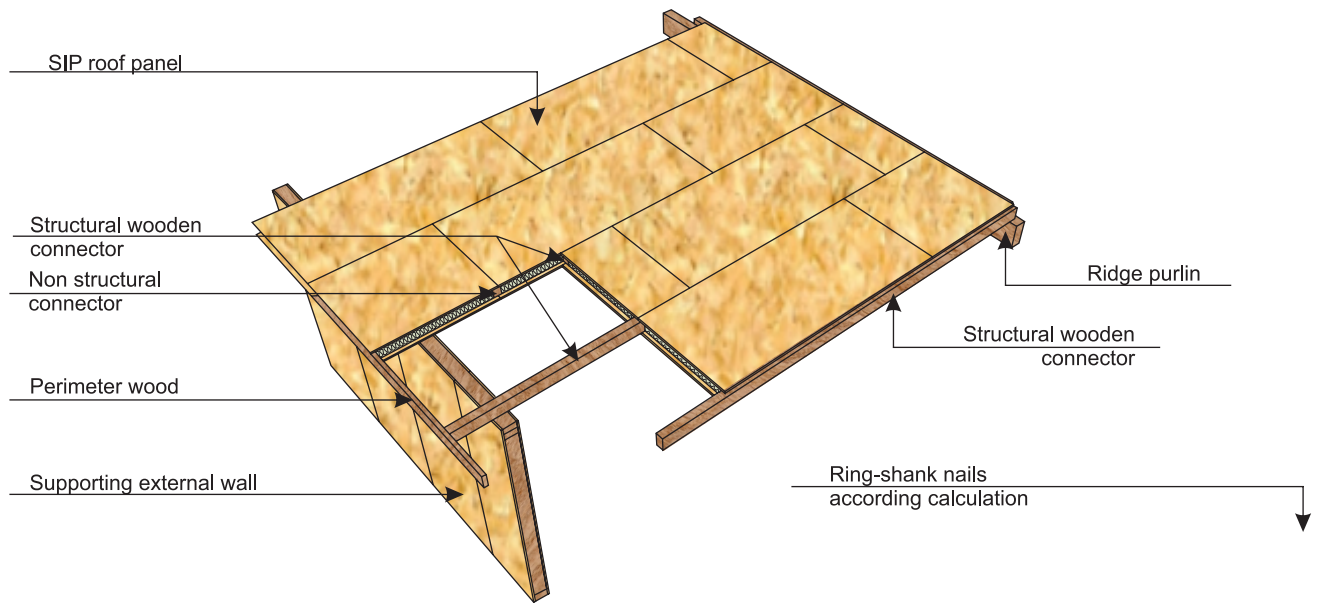
### CAVITY BARRIERS

SCALE: Not applicable

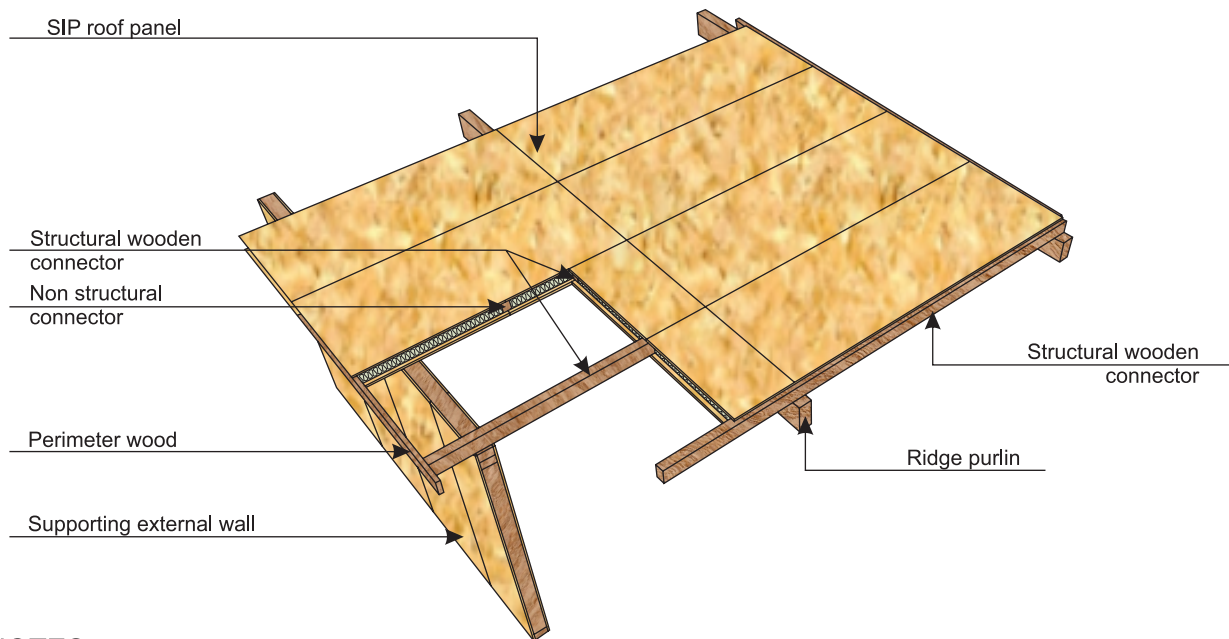
LAST UPDATE: January 2019

DETAIL 48

## ROOF PANELS WITH INTERMEDIATED STRUCTURAL CONNECTORS



## ROOF PANELS SUPPORTED BY PURLINS



### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

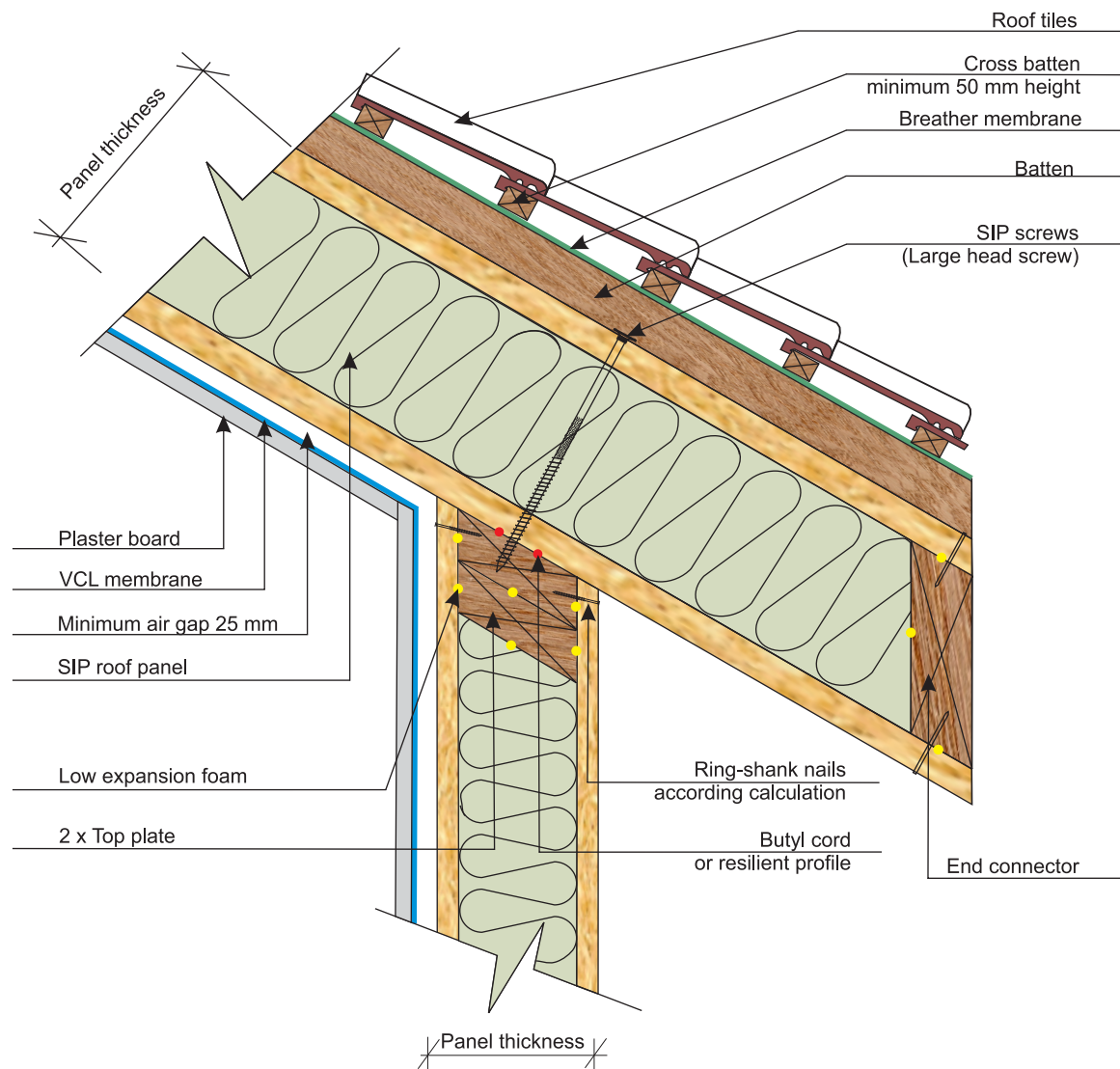
## ROOF PANELS ASSEMBLY

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 49

## VERTICAL SECTION



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

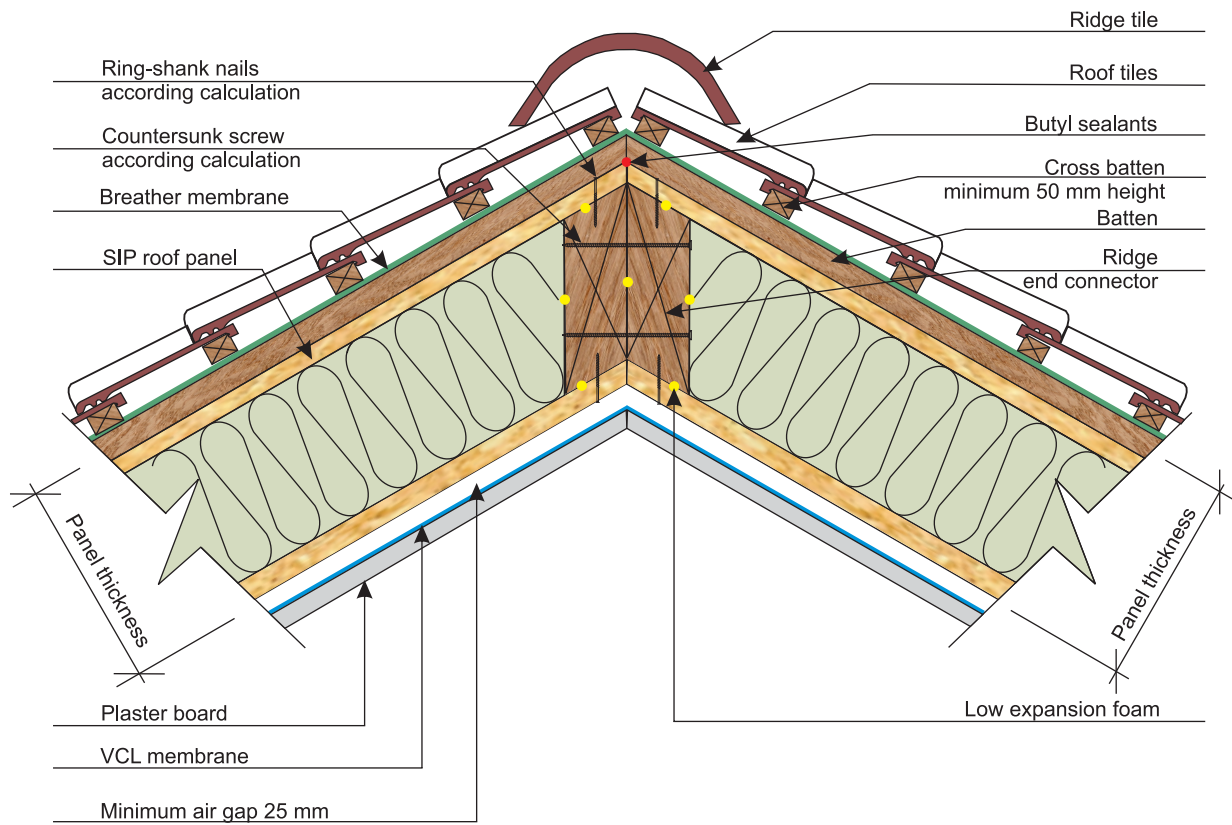
## SIP ROOF TO SIP WALL

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 50

## VERTICAL SECTION



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

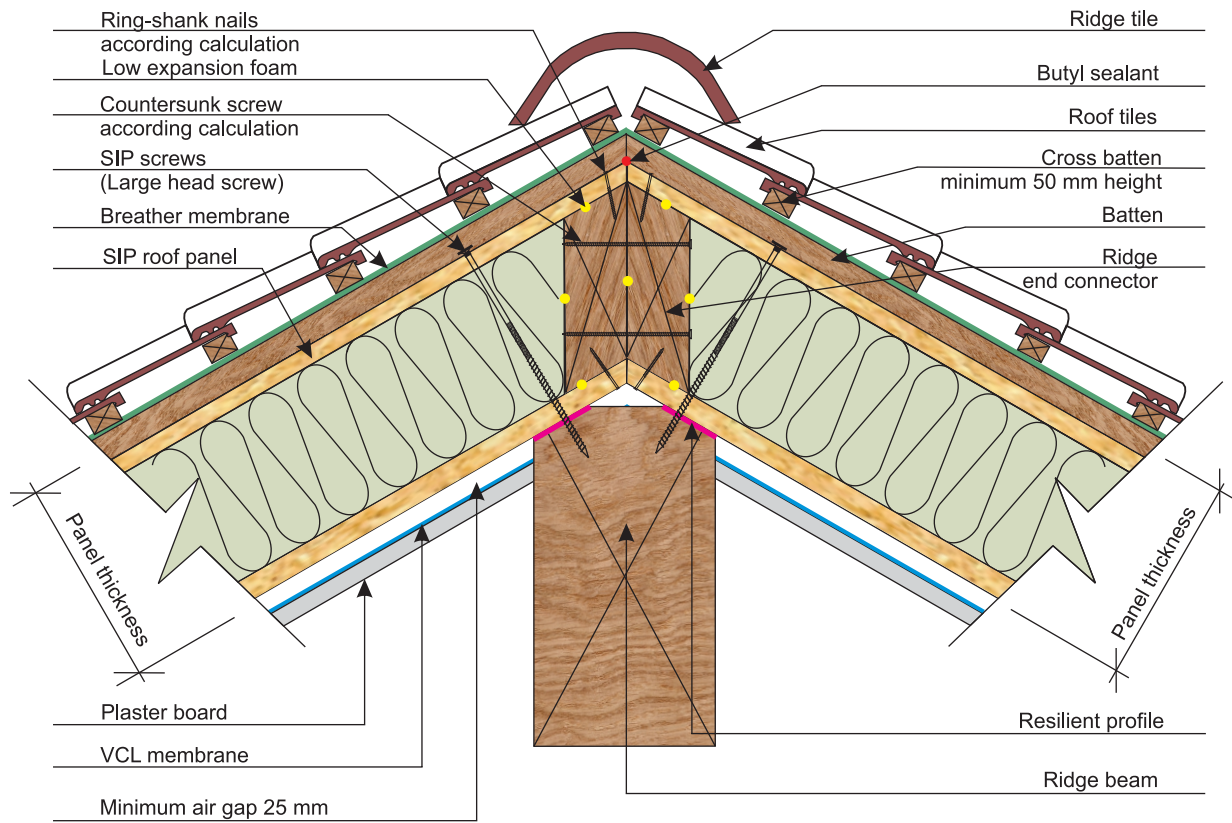
## ROOF RIDGE CONNECTION

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 51

## VERTICAL SECTION



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

## ROOF RIDGE CONNECTION TO RIDGE BEAM

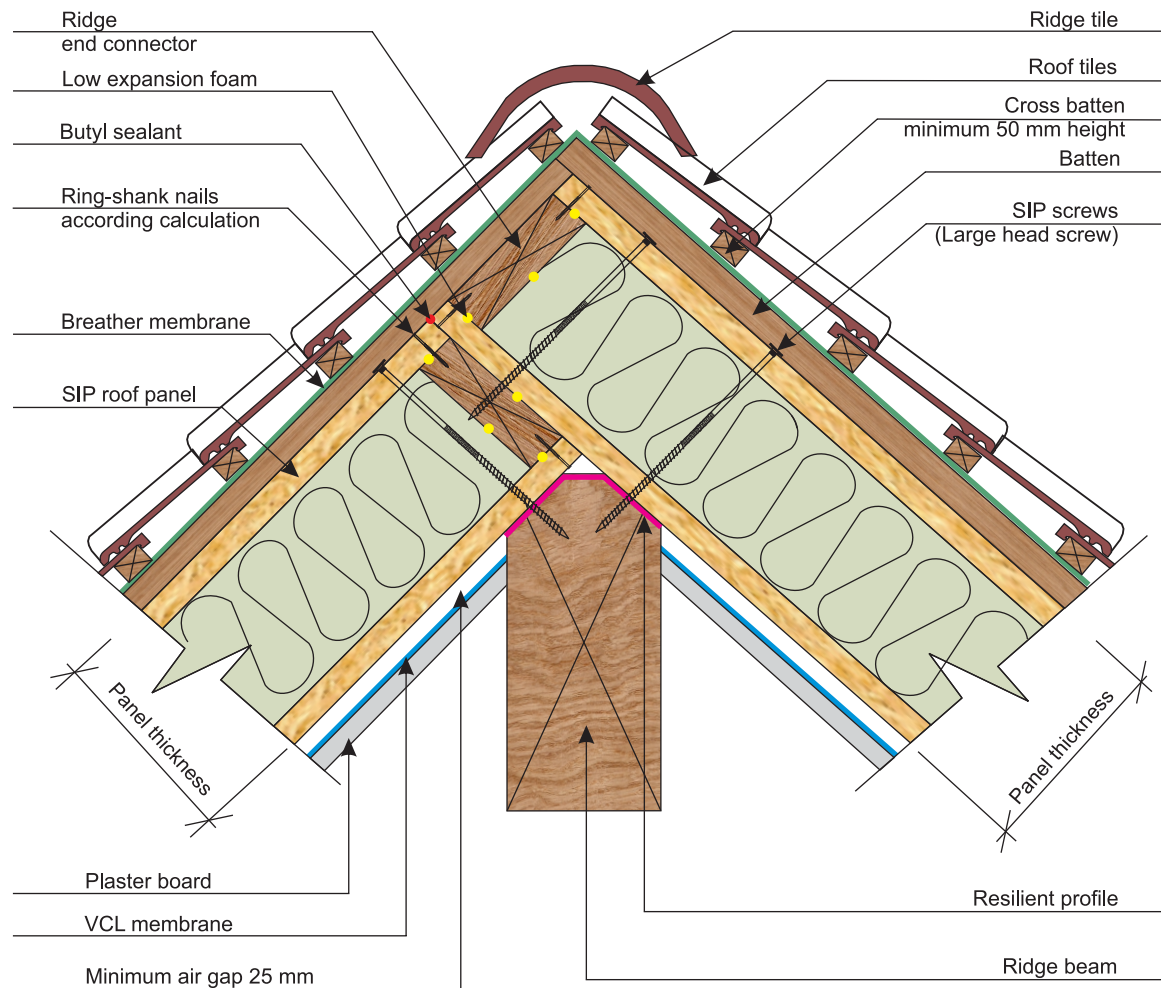
SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 52



## VERTICAL SECTION



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

## SIP ROOF/ RIDGE BEAM

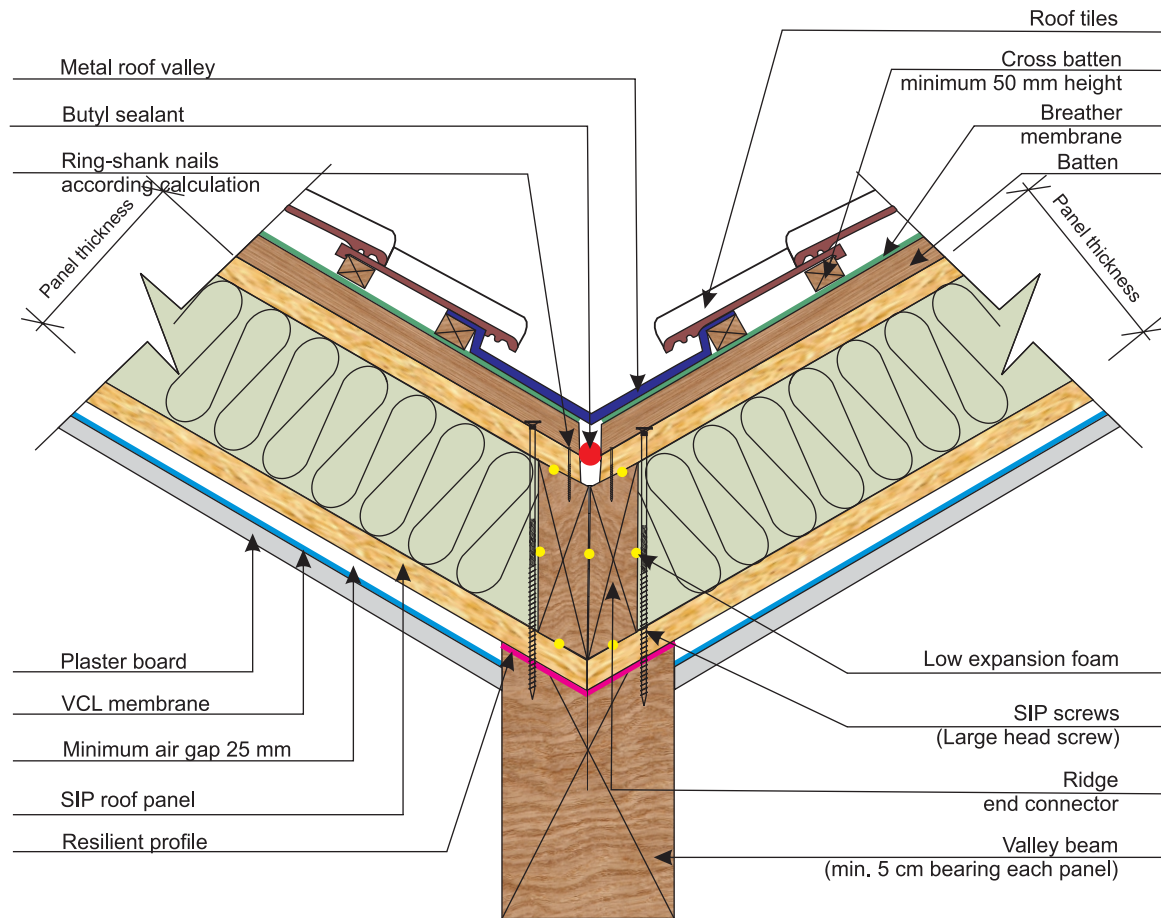
SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 53



## VERTICAL SECTION



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

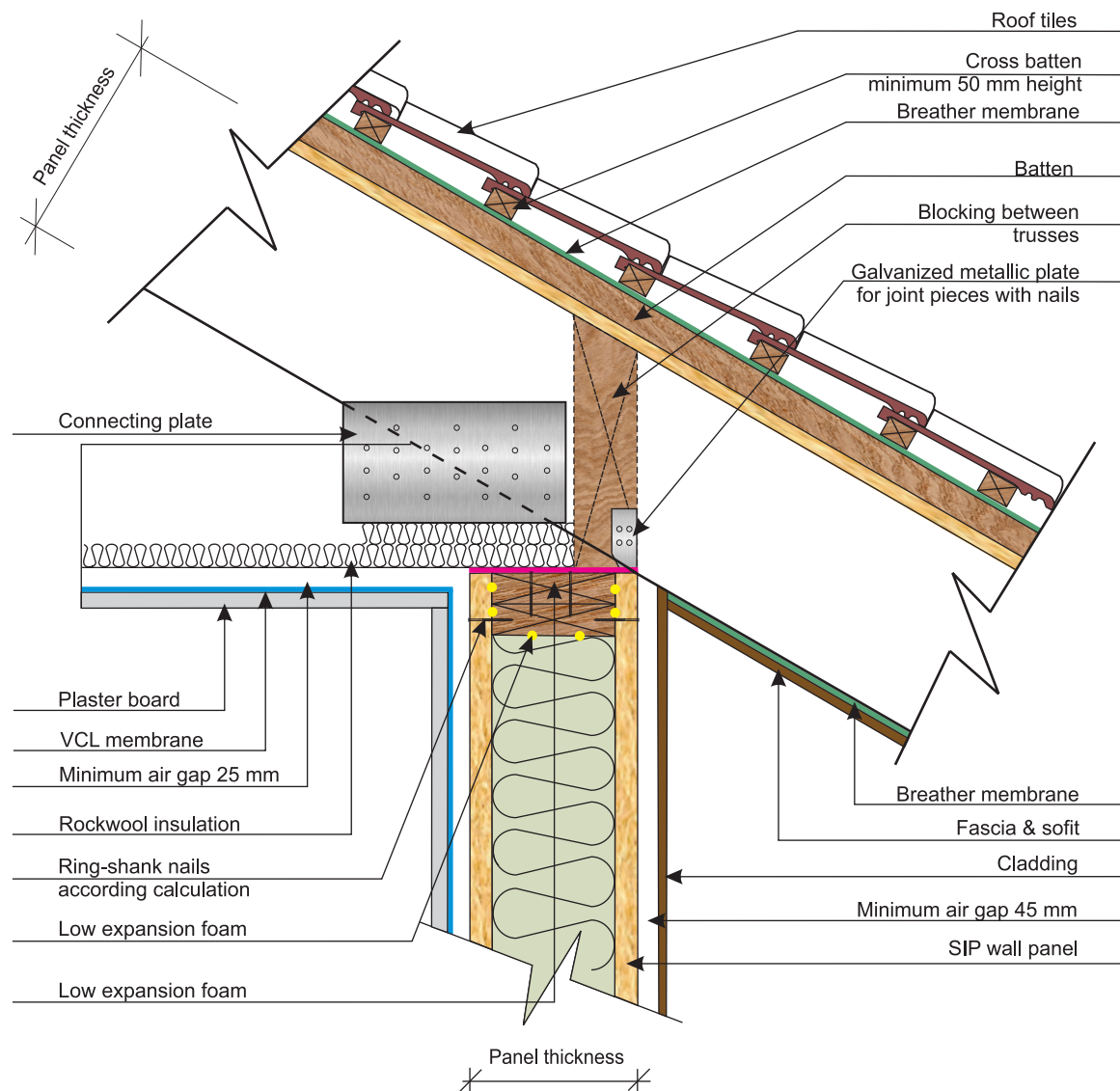
## SIP ROOF TO VALLEY BEAM

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 54

## VERTICAL SECTION



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

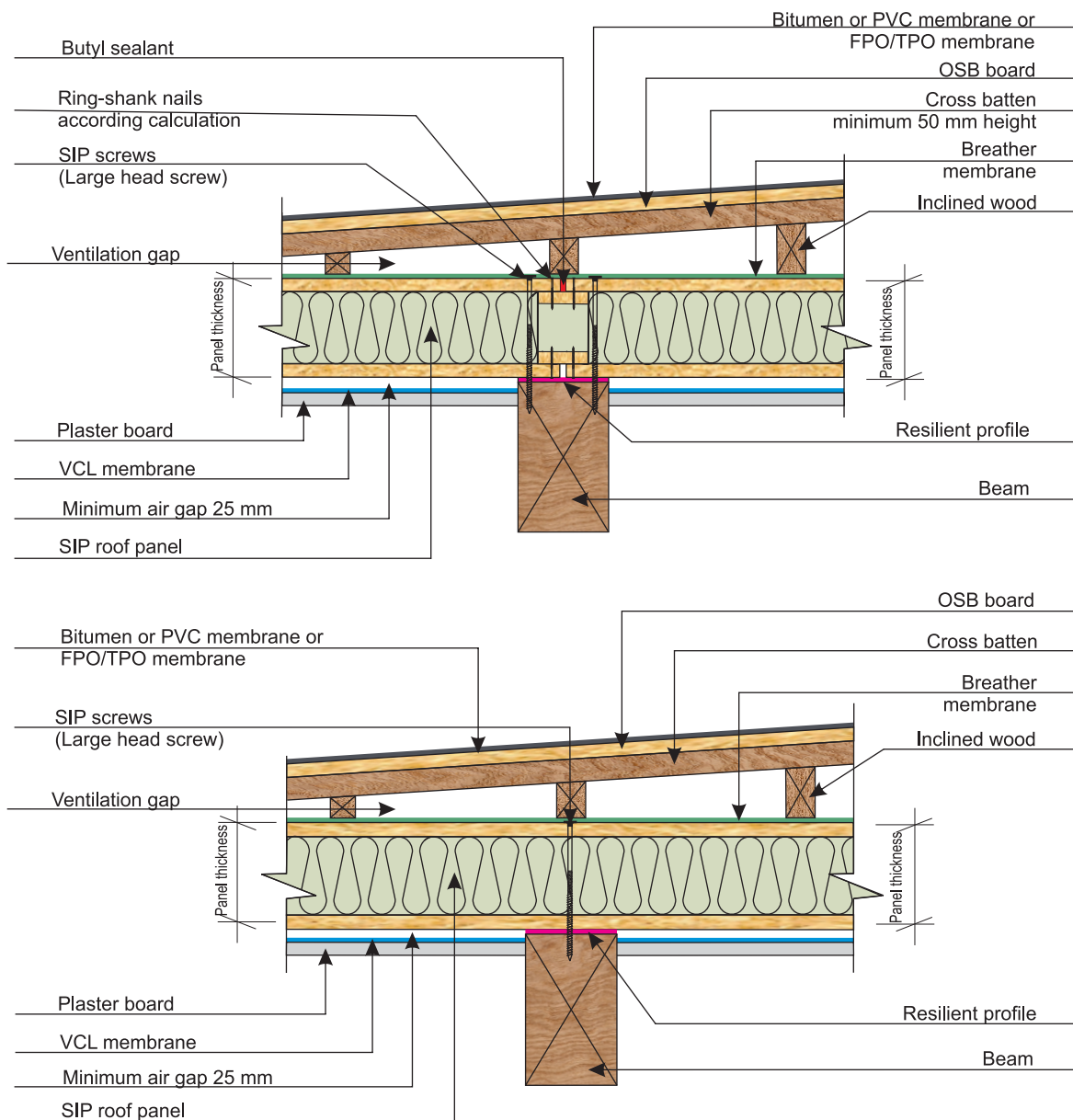
## WOOD TRUSSES TO SIP WALL

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 55

## VERTICAL SECTION



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

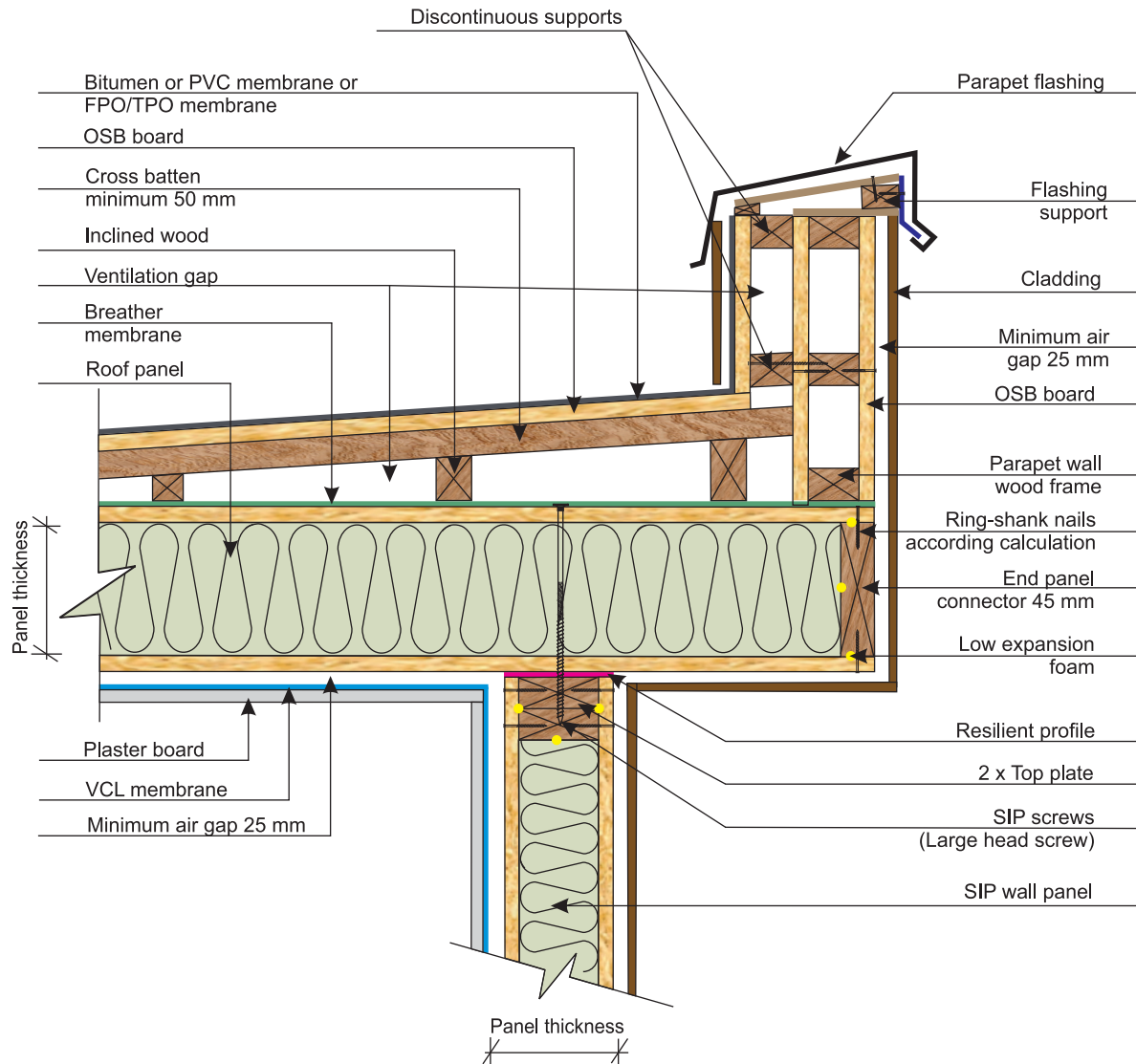
## FLAT ROOF - ROOF SIP TO BEAM & ROOF VENTILATION GAP

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 56

## VERTICAL SECTION



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

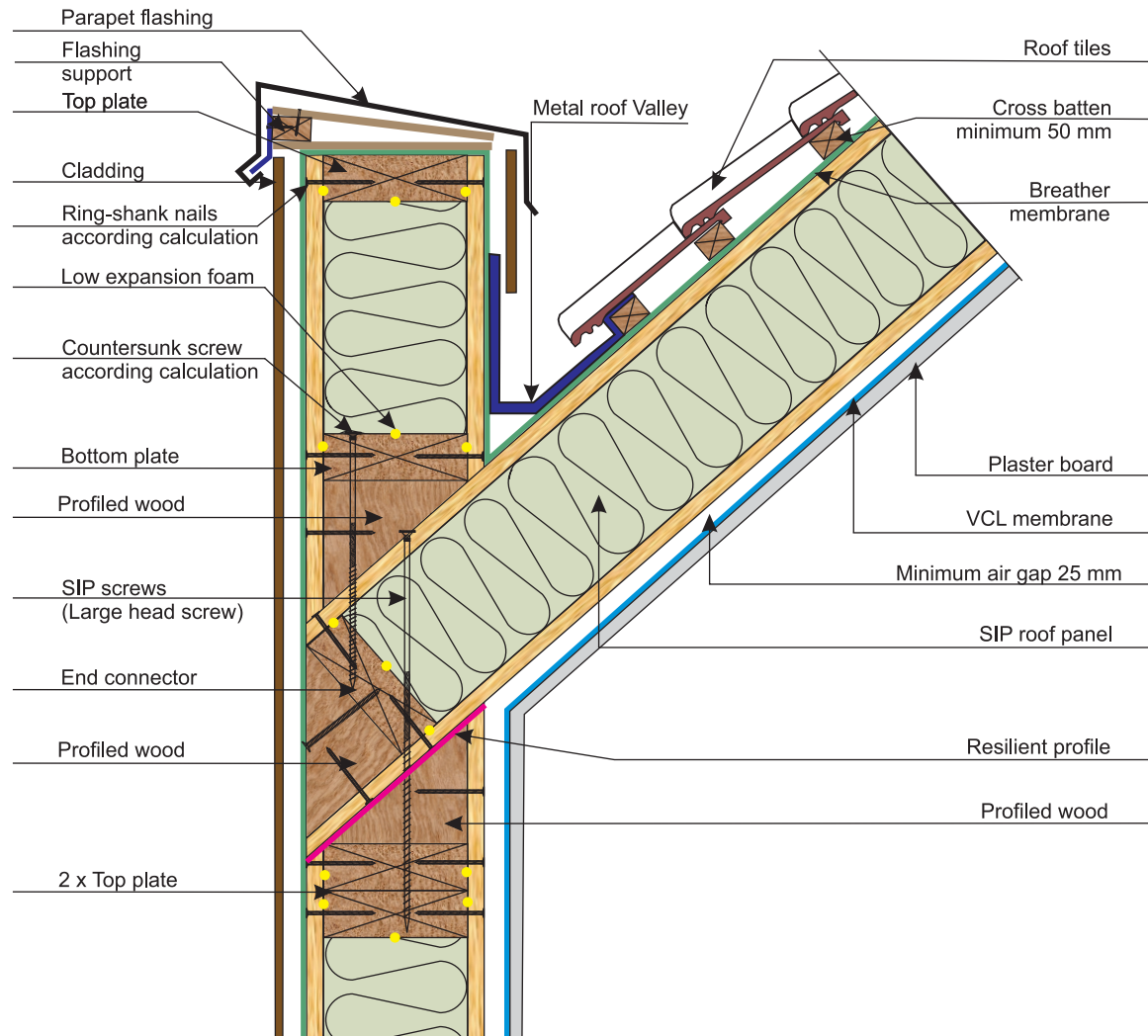
## PARAPET WALL DETAIL

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 57

## VERTICAL SECTION



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

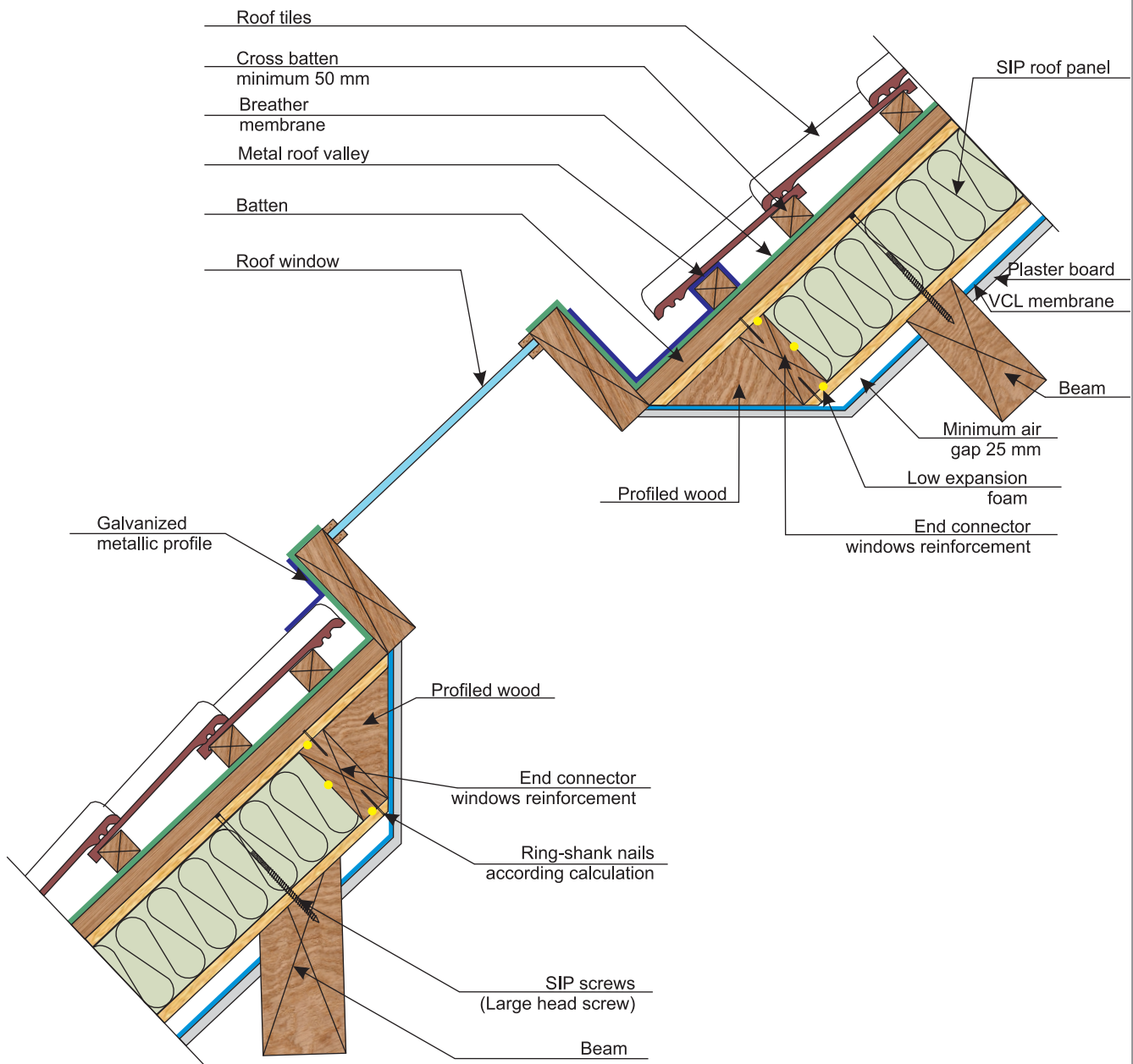
## PARAPET WALL TO SLOPING ROOF

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 58

## VERTICAL SECTION



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

## ROOF WINDOW

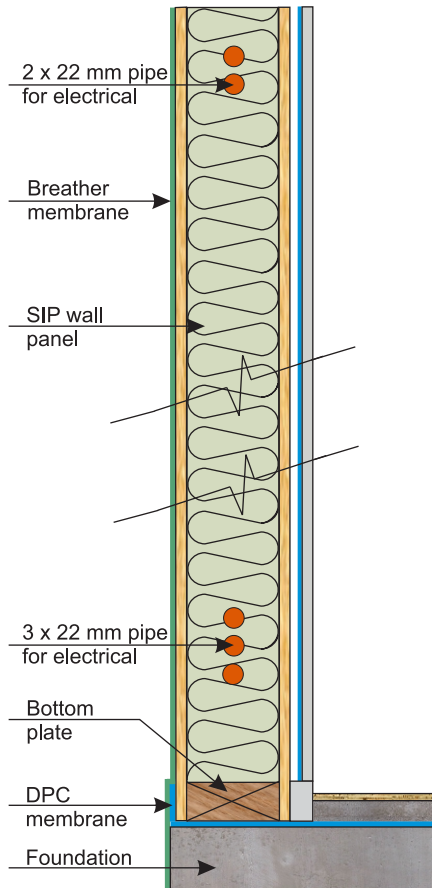
SCALE: Not applicable

LAST UPDATE: January 2019

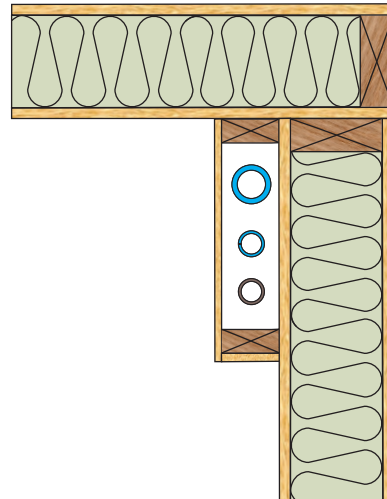
DETAIL 59



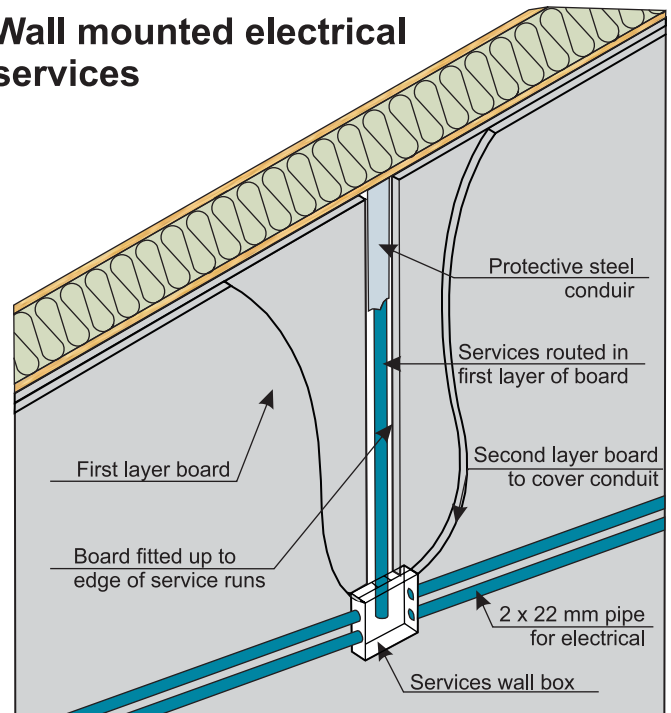
## Electrical conduits



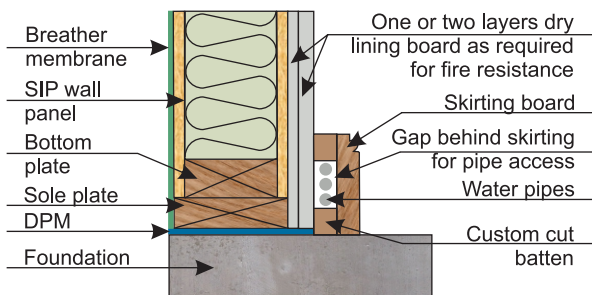
## Utility vertical duct



## Wall mounted electrical services



## Pipework behind skirting



### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

## SERVICES & UTILITIES ELECTRICALS

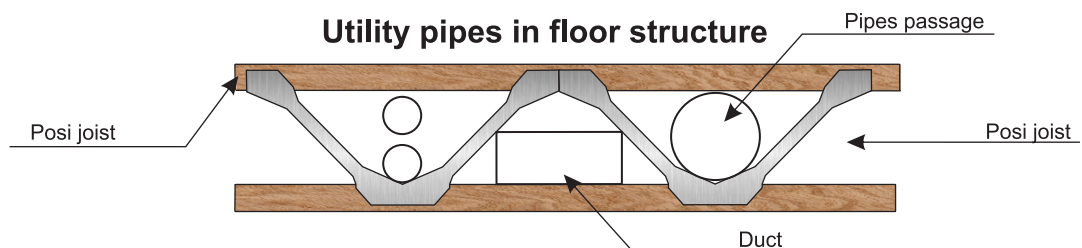
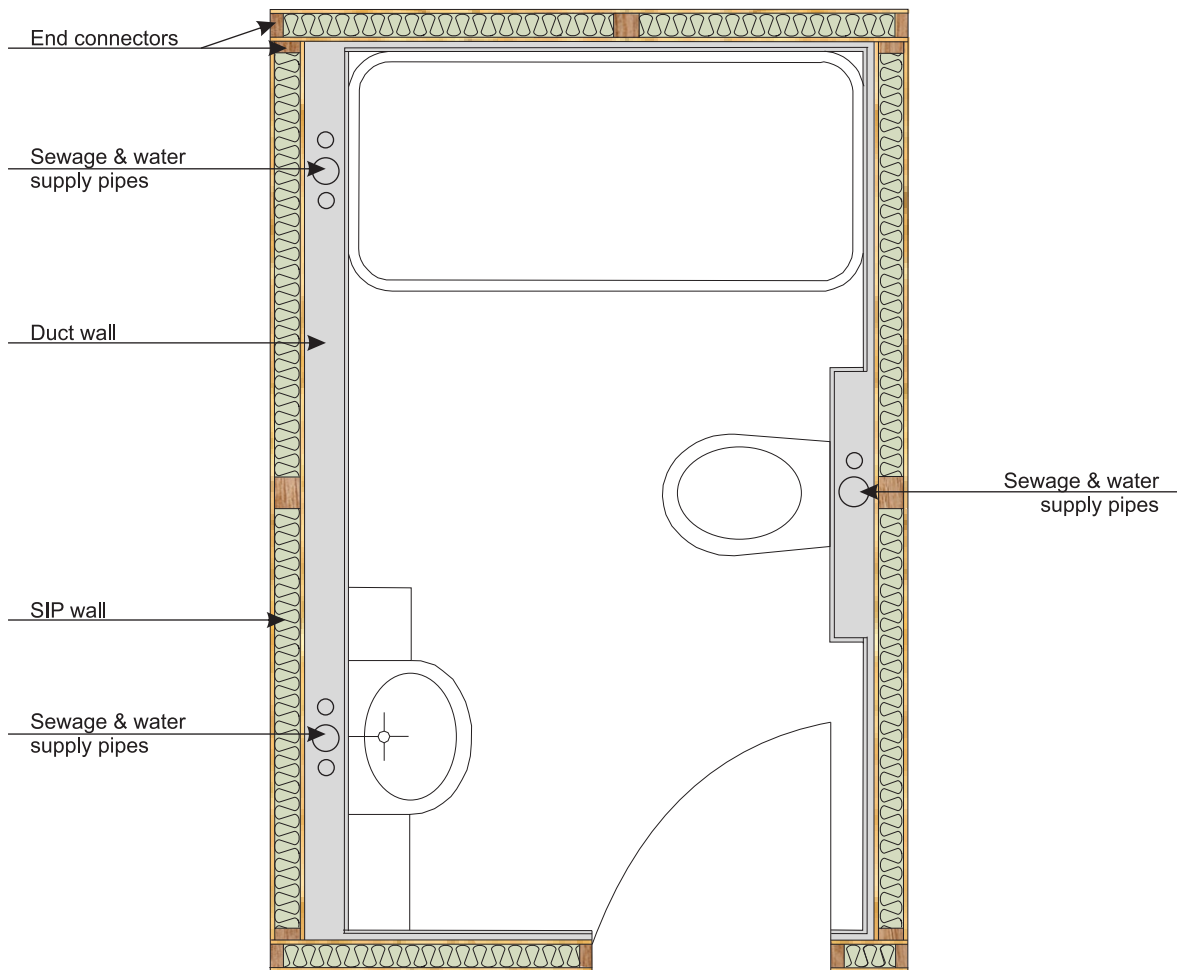
SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 60

## TOP VIEW

### Indicative detail of duct wall for water & sewage installation



#### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

## VERTICAL SECTION

#### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

#### DETAIL NAME:

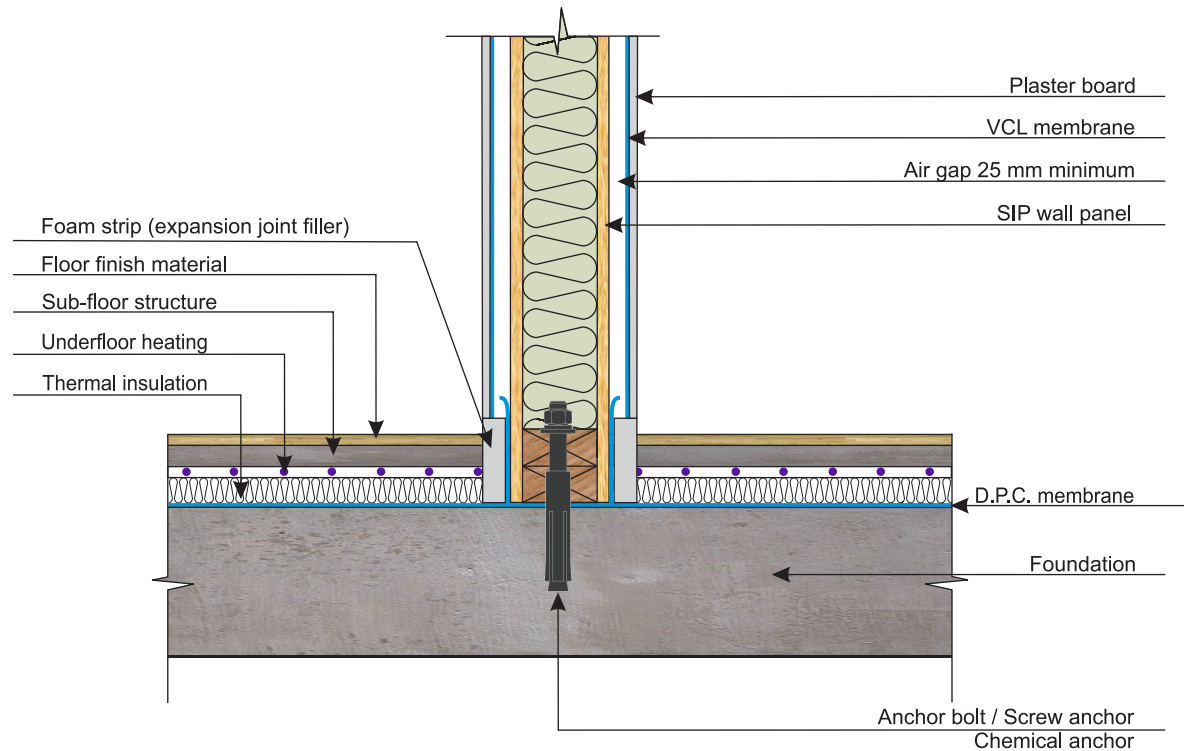
### SERVICES & UTILITIES PLUMBING

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 61

## VERTICAL SECTION



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

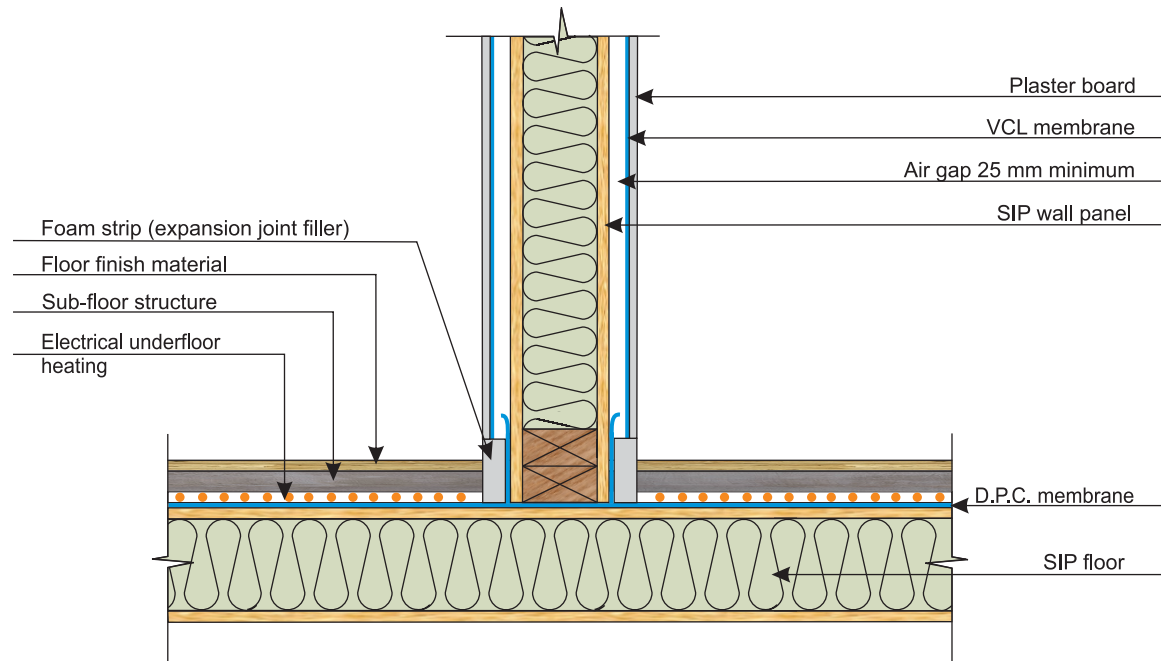
## SERVICES & UTILITIES UNDERFLOOR HEATING

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 62

## VERTICAL SECTION



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

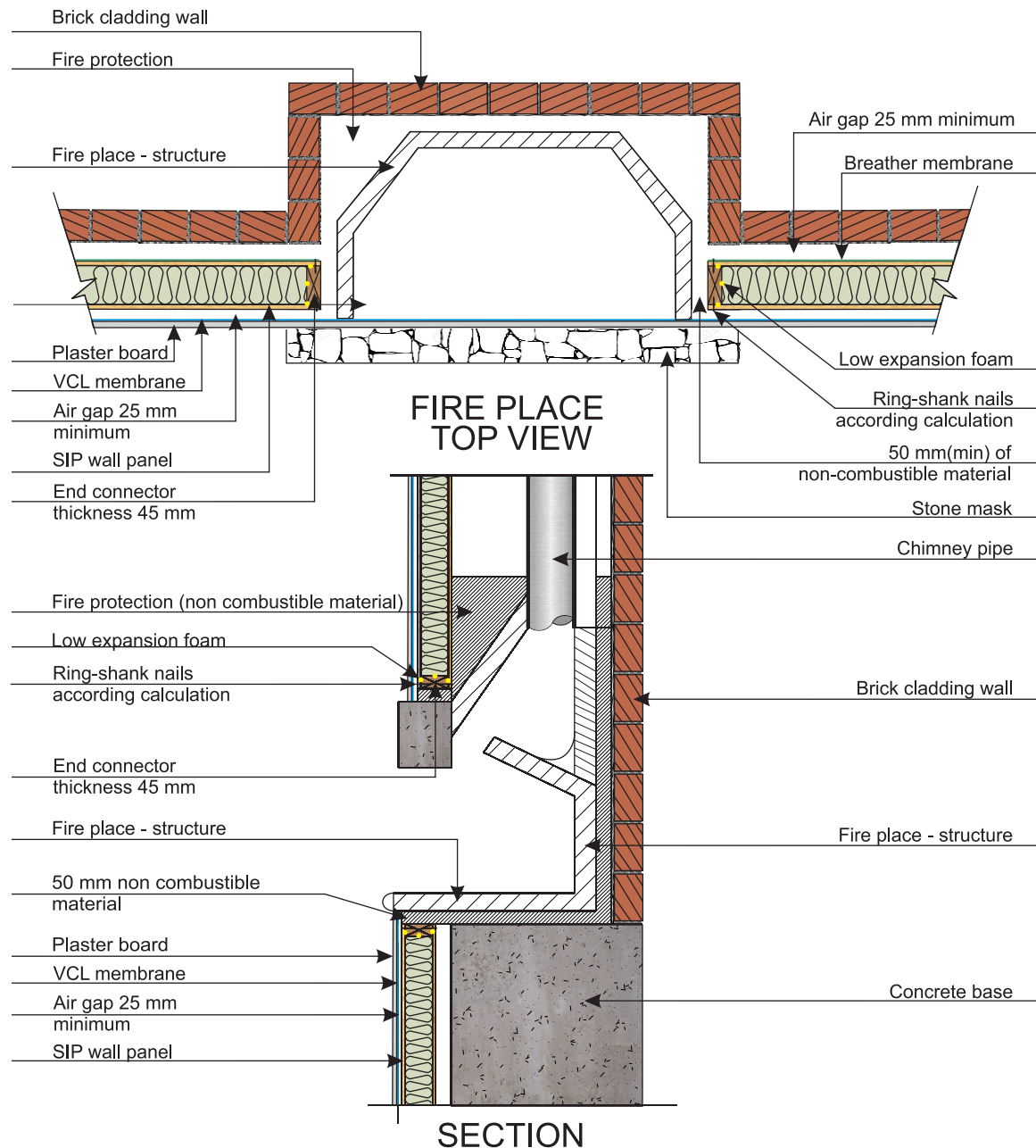
### DETAIL NAME:

## SERVICES & UTILITIES ELECTRICAL UNDERFLOOR HEATING

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 63



\* Interior gap can be avoided if the thermal study allows it.

#### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

#### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

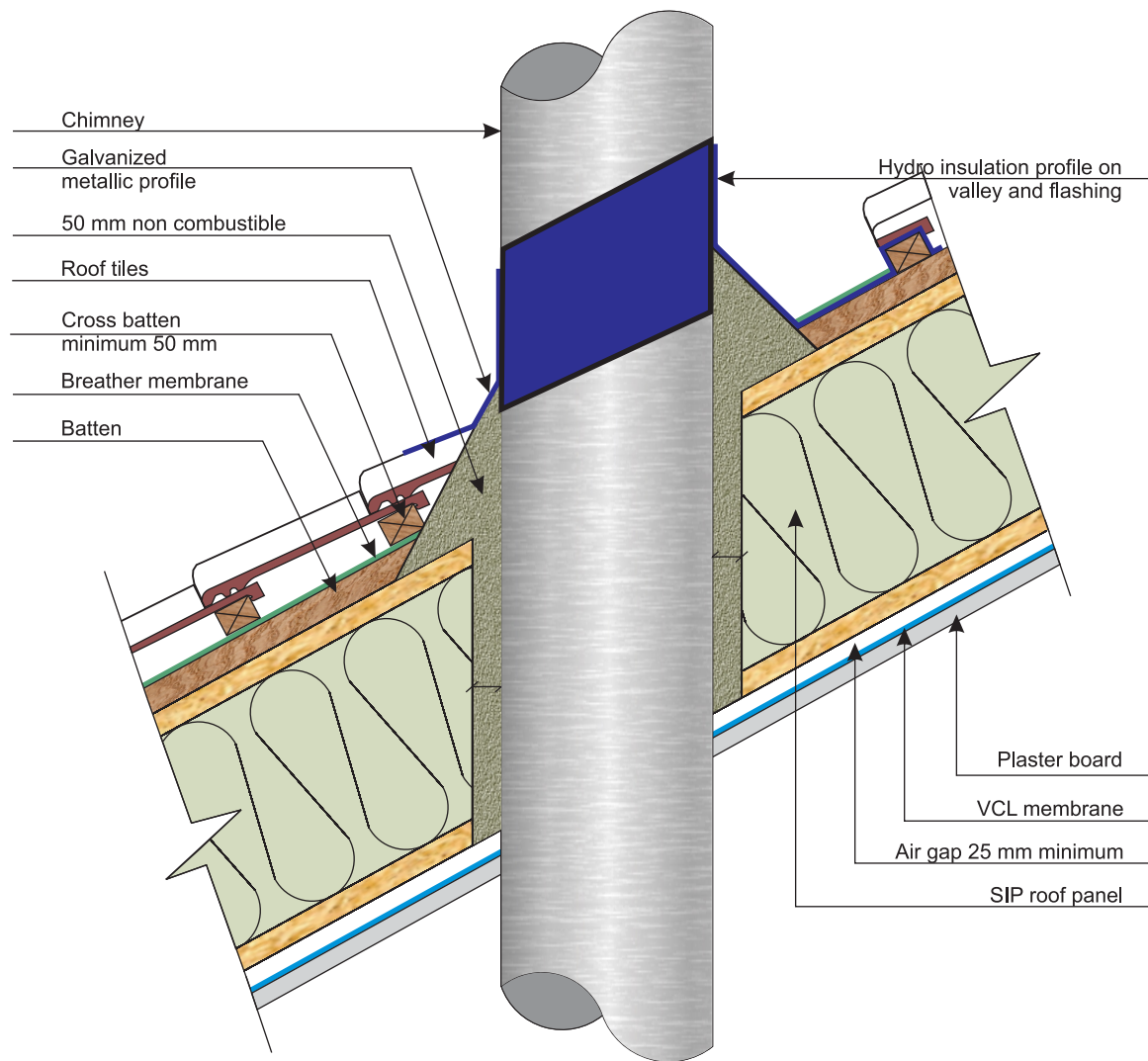
#### DETAIL NAME:

### FIRE PLACE

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 64



\* Interior gap can be avoided if the thermal study allows it.

#### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

#### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

#### DETAIL NAME:

**CHIMNEY**

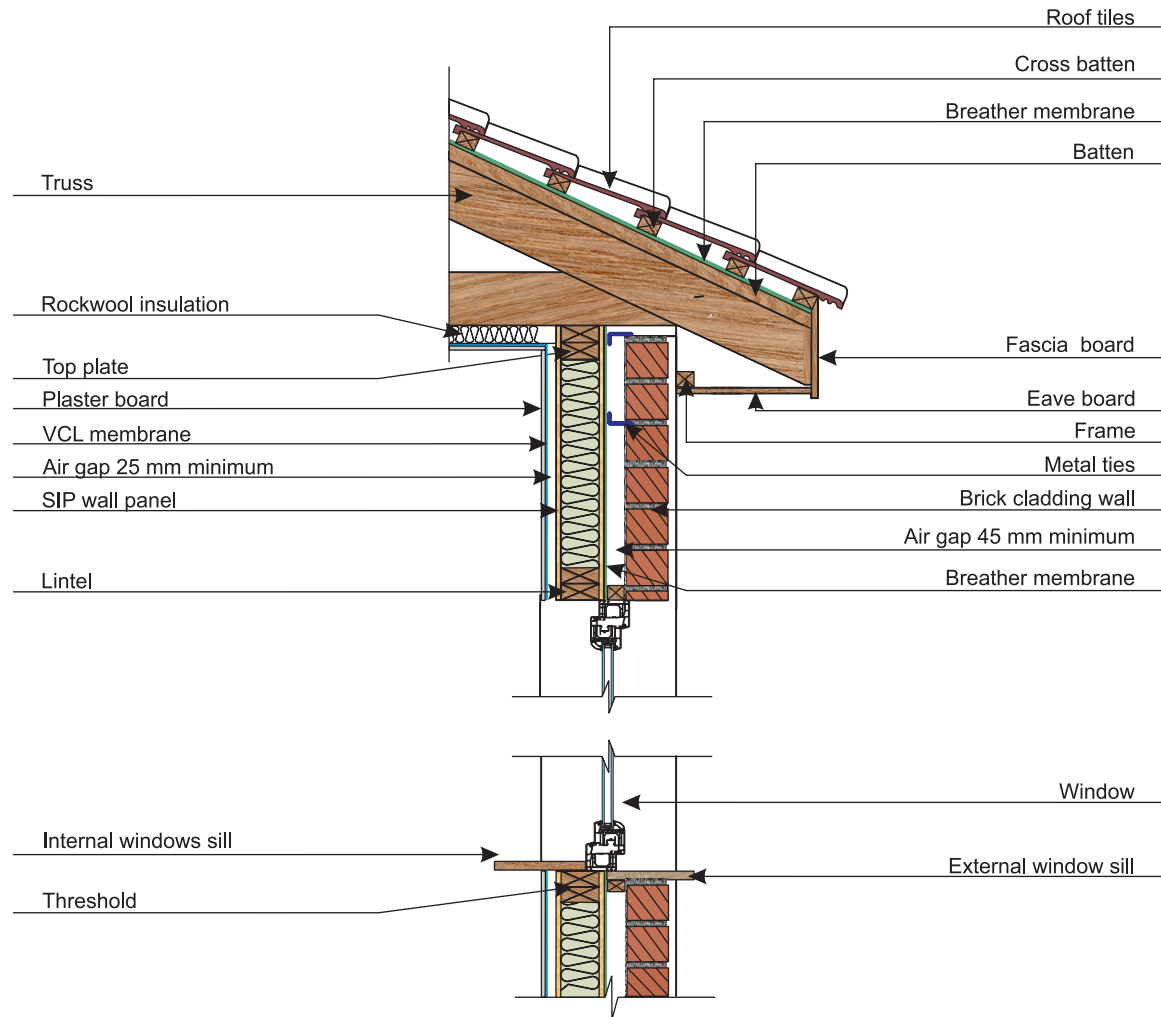
SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 65



## VERTICAL SECTION



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

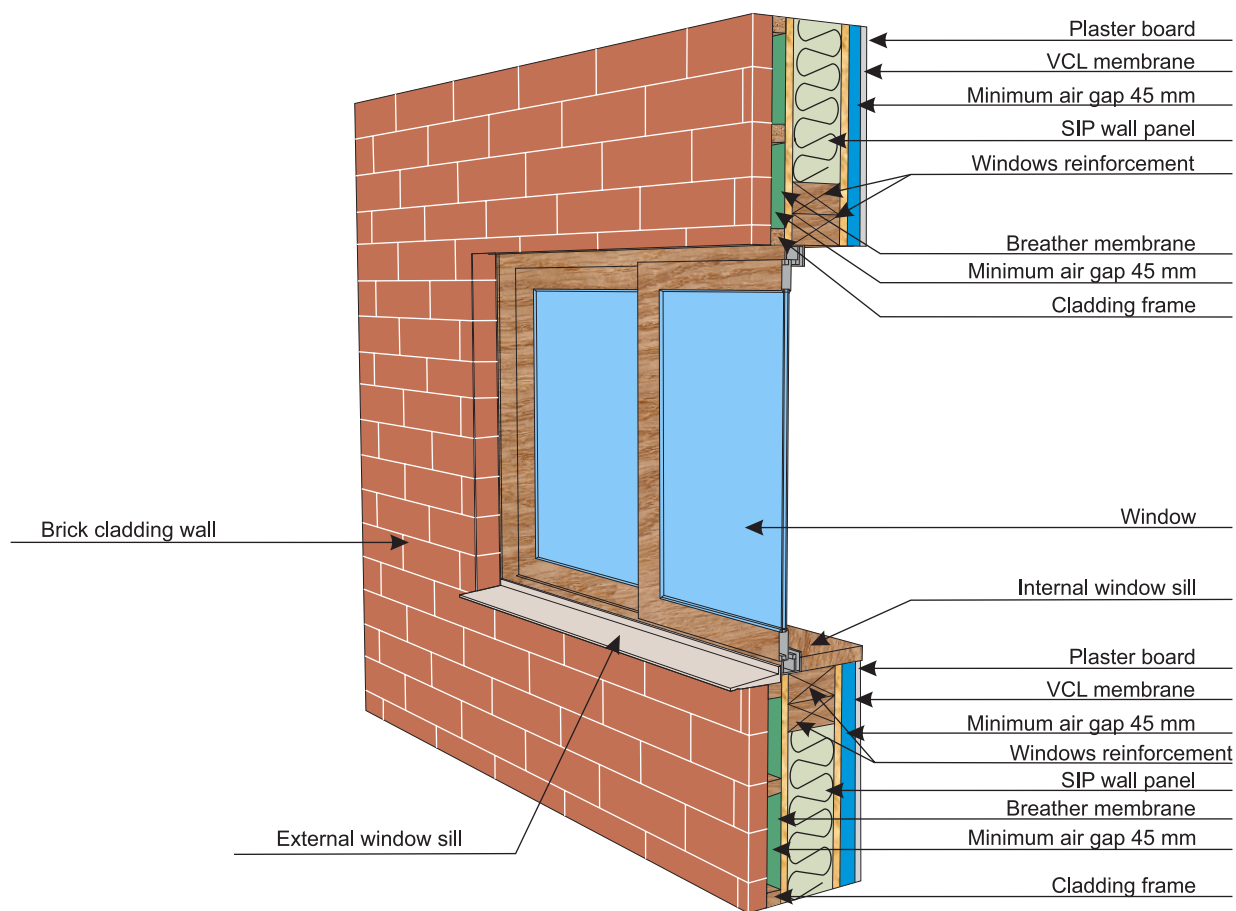
### DETAIL NAME:

## TYPICAL SECTION

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 66



\* Interior gap can be avoided if the thermal study allows it.

#### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

#### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

#### DETAIL NAME:

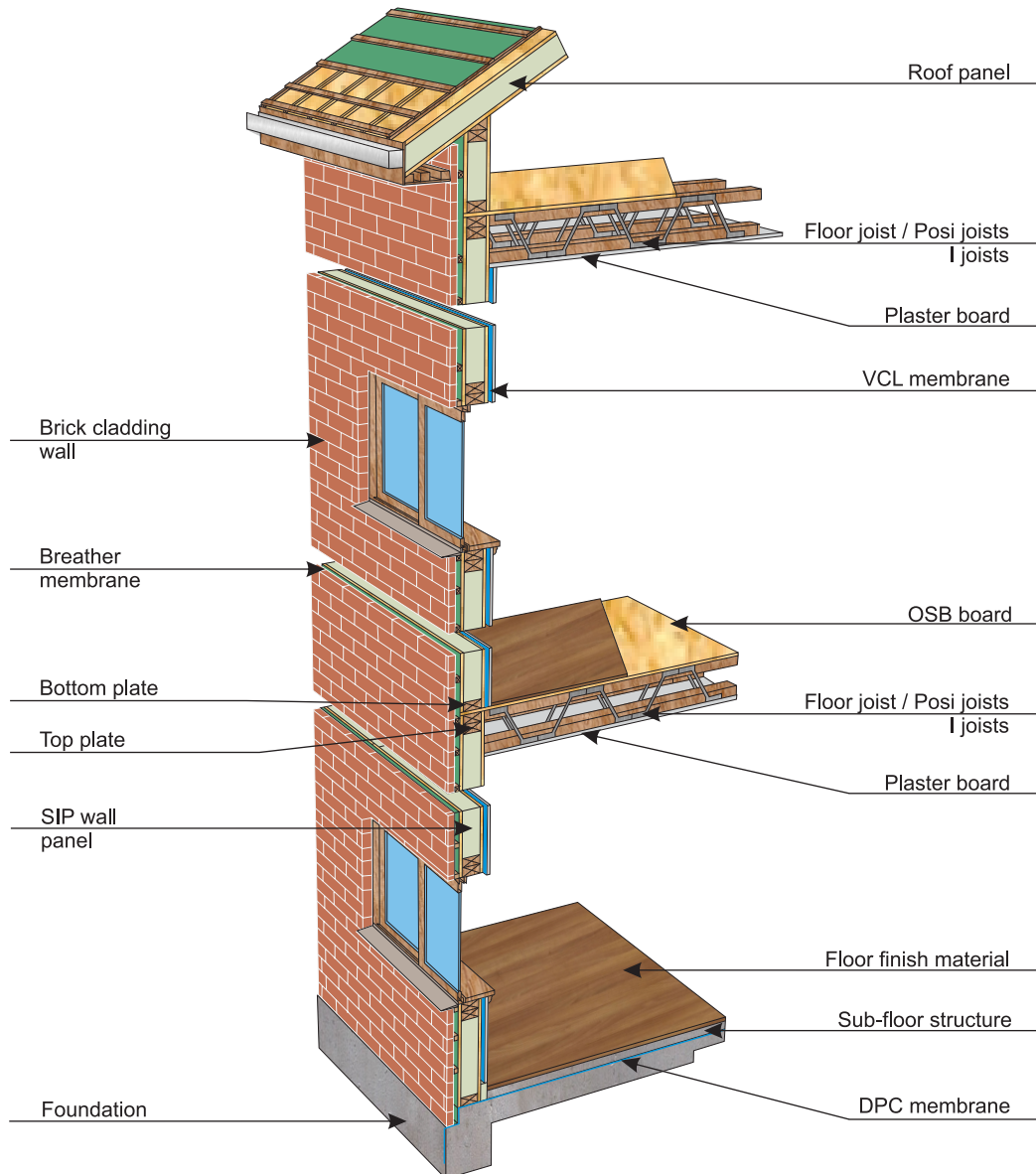
### WINDOW FIXING

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 67

## VERTICAL SECTION



\* Interior gap can be avoided if the thermal study allows it.

### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

### DETAIL NAME:

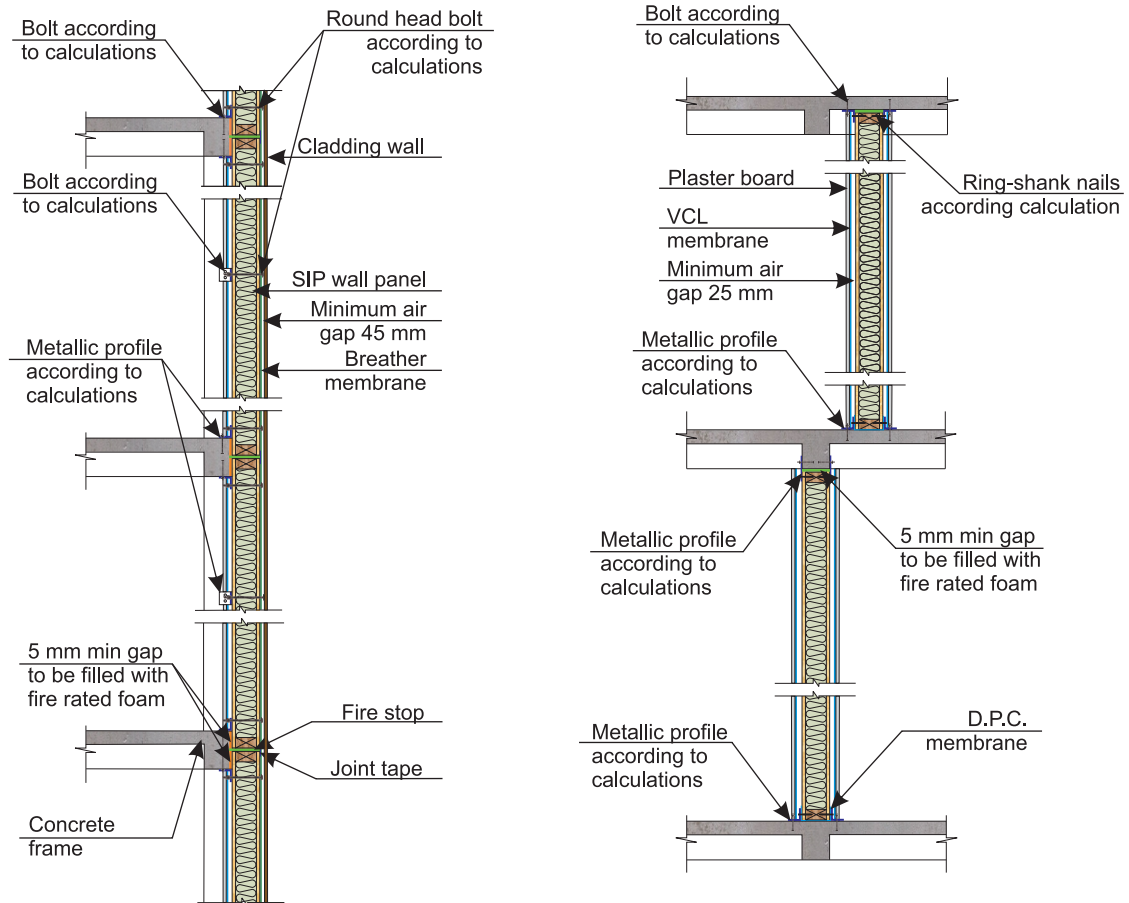
## BUILDING STRUCTURE

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 68

## VERTICAL SECTION



### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

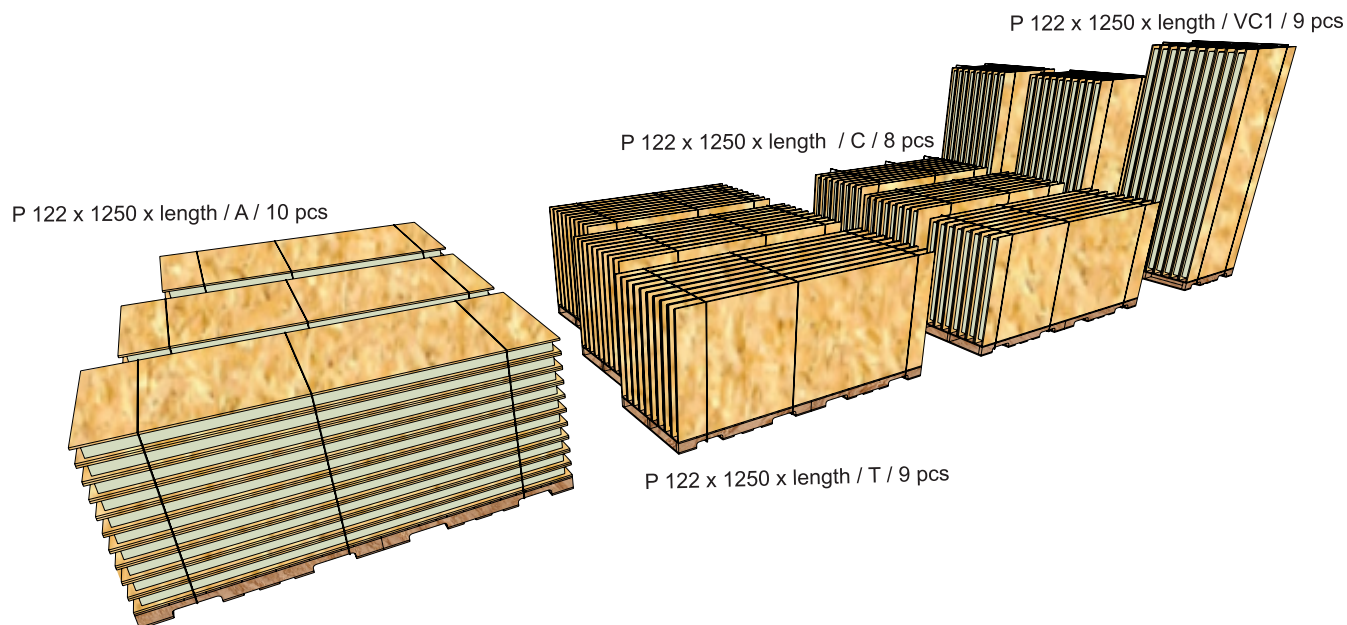
### DETAIL NAME:

## INTERNAL & EXTERNAL INFILL WALLS

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 69



#### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

#### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

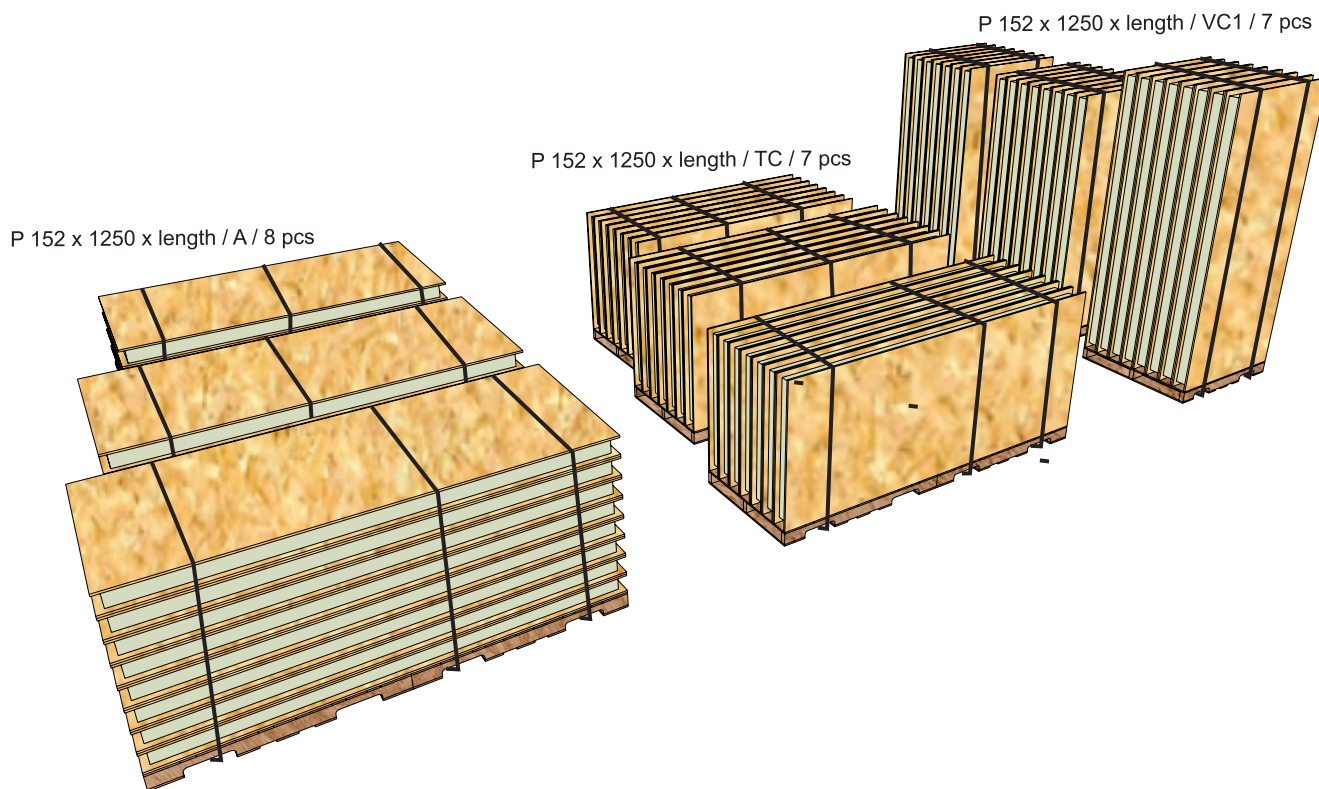
#### DETAIL NAME:

### LIFTING & HANDLING PELLETIZING SIP 120

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 70



#### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

#### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

#### DETAIL NAME:

### LIFTING & HANDLING PELLETIZING SIP 150

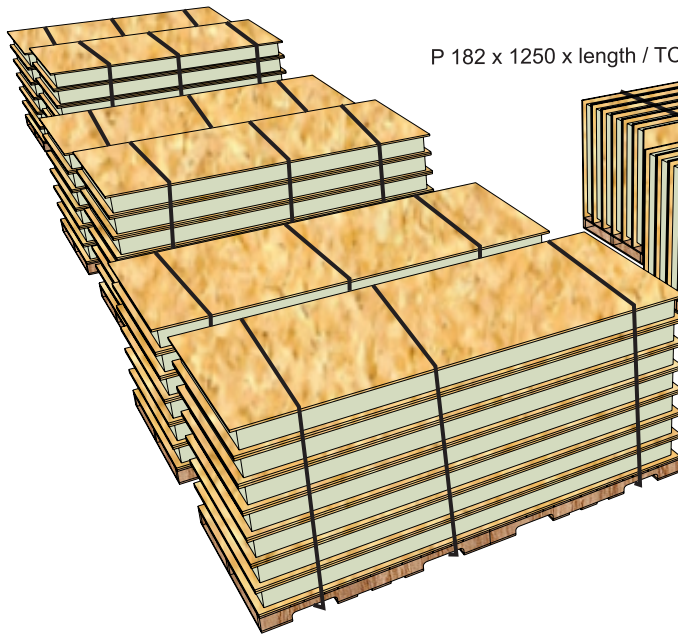
SCALE: Not applicable

LAST UPDATE: January 2019

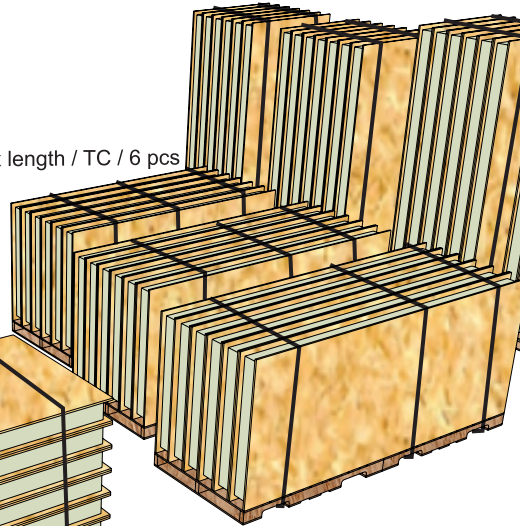
DETAIL 71



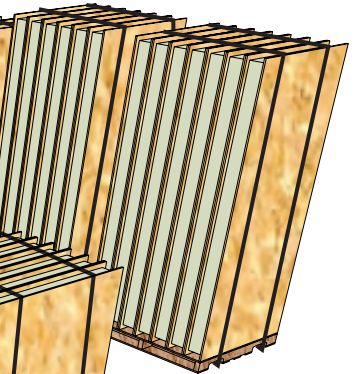
P 182 x 1250 x length / AC / 6 pcs  
P 182 x 1250 x length / A / 7 pcs



P 182 x 1250 x length / TC / 6 pcs



P 182 x 1250 x length / VTC / 6 pcs  
P 182 x 1250 x length / VT / 7 pcs



#### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

#### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

#### DETAIL NAME:

### LIFTING & HANDLING PELLETIZING SIP 180

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 72



#### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

#### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

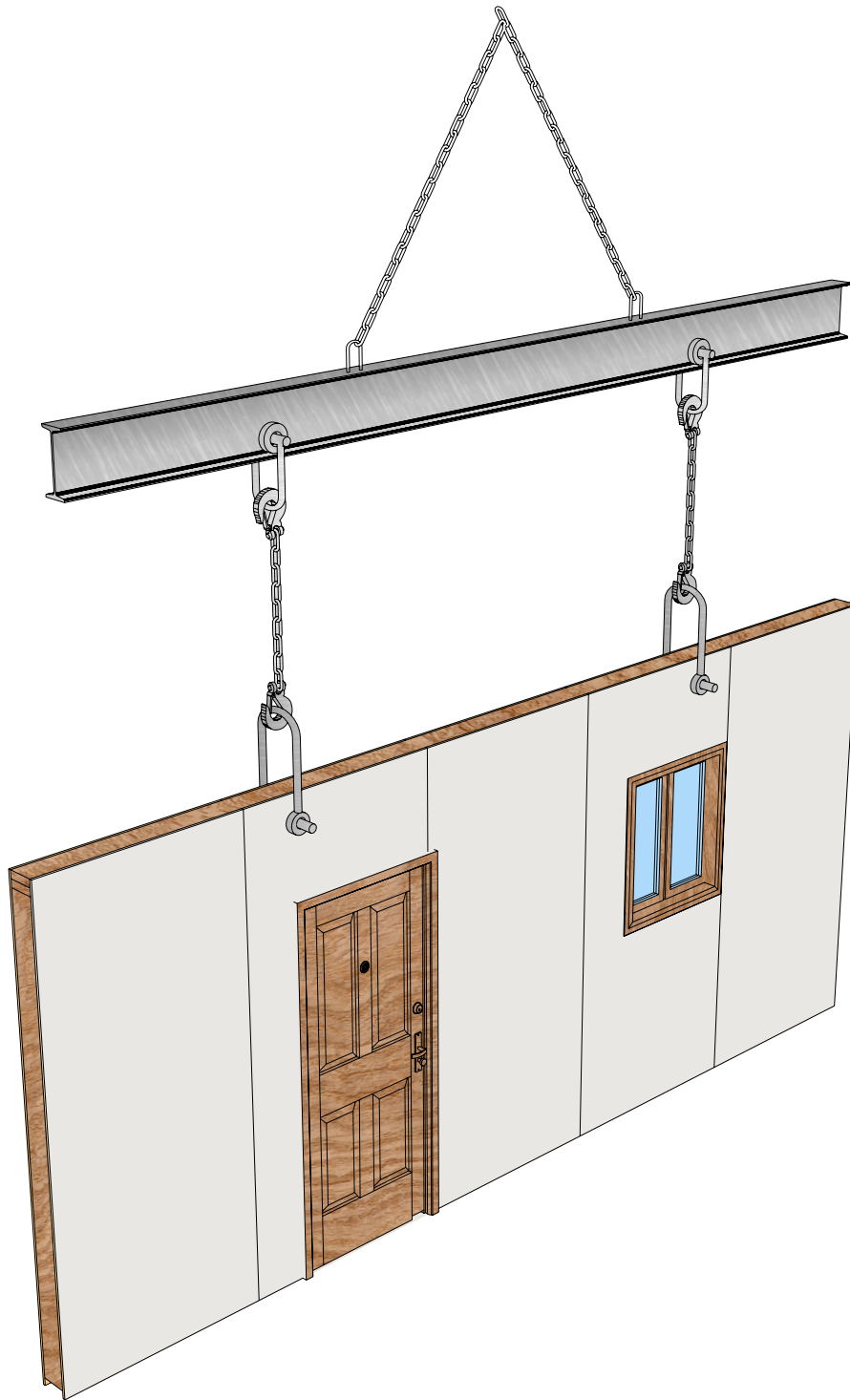
#### DETAIL NAME:

### LIFTING & HANDLING STOCKING PALLETS

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 73



#### NOTES:

1. This detail is applicable only if indicated by the construction drawings of the given project.
2. All building components shown on this detail shall be in compliance with local requirements.

#### REMARKS:

- Low expansion foam
- Butyl sealants
- VCL membrane
- Breather membrane
- Resilient profile (sound prevention)

#### DETAIL NAME:

### WALL LIFTING & HANDLING

SCALE: Not applicable

LAST UPDATE: January 2019

DETAIL 74



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INTEGRATED CONSTRUCTION SYSTEM