

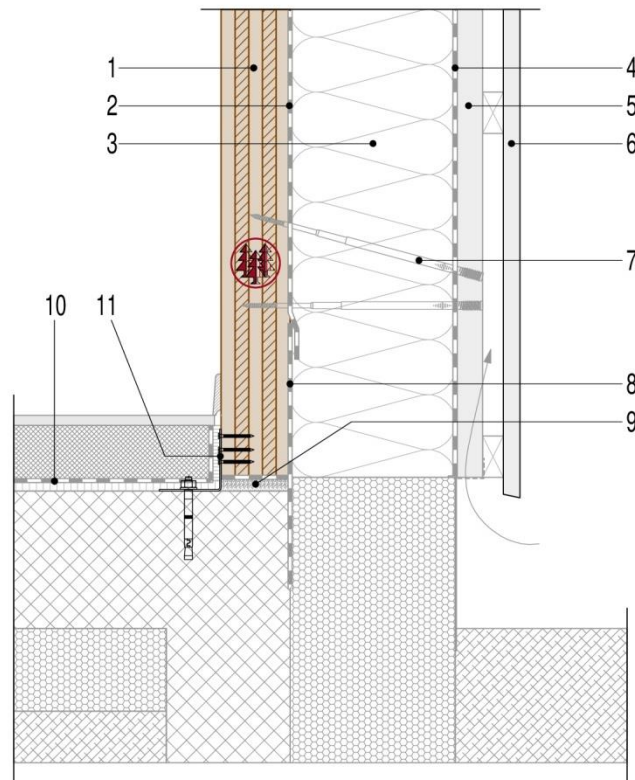


CLT: Details of construction

- 1.1 Detail of external wall anchoring
- 1.2 Detail of internal wall anchoring
- 1.3 Detail of anchoring to a concrete wall
- 2.1 Detail of exterior wall corner-connection
- 2.2 Detail of interior wall corner-connection
- 2.3 Detail of interior wall 'T'-connection
- 3.1 Detail of ceiling to exterior wall connection
- 3.2 Detail of ceiling to interior wall connection
- 4.1 Detail of ridge (pitched roof)
- 4.2 Detail of roof edge (verge)
- 4.3 Detail of roof edge (eaves)
- 5.1. Detail of flat roof (accessible)
- 5.2 Detail of flat roof (non accessible)
- 6.1 Panel joints
- 6.2 Assembly suspensions

1.1 Detail of external wall anchoring

Variant 1



- | | |
|---|---|
| 1 CLT panel (according to statics) | 7 Assembly (according to technical data sheets) |
| 2 Vapour barrier (if applicable, depending on building physics) | 8 Waterproofing/sealing |
| 3 Insulation | 9 Barrier layer and mortar bed |
| 4 Water barrier film | 10 Flooring |
| 5 Air gap, battens | 11 Angle-bracket and concrete anchoring
(according to statics) |
| 6 Exterior timber cladding (see profile on www.schilliger.ch) | |

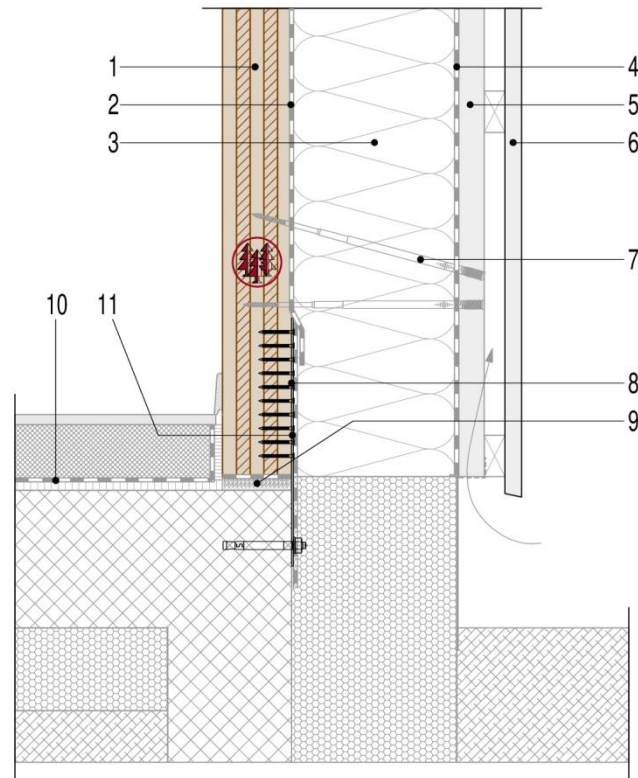
This detail can be applied to single-storey or multi-storey wooden buildings. It serves as an aid and does not replace a building concept. The detail must be adapted according to static, building physics and fire safety requirements.

Variants with different products are possible. Our technical office is at your disposal for any questions you may have.

1.2

1.1 Detail of external wall anchoring

Variant 2

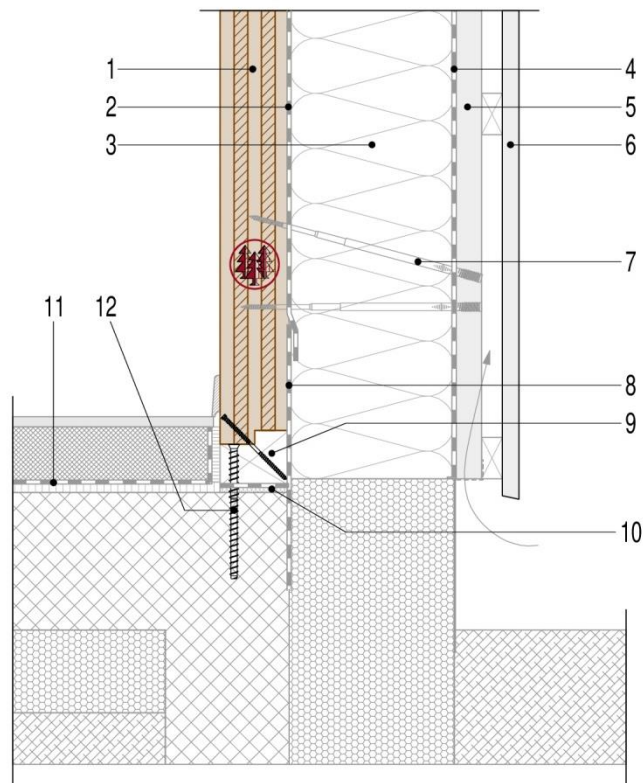


- | | |
|---|--|
| 1 CLT panel (according to statics) | 7 Assembly (according to technical data sheets) |
| 2 Vapour barrier (if applicable, depending on building physics) | 8 Waterproofing/sealing |
| 3 Insulation | 9 Barrier layer and mortar bed |
| 4 Water barrier film | 10 Flooring |
| 5 Air gap, battens | 11 Perforated sheet and concrete anchoring
(according to statics) |
| 6 Exterior timber cladding (see profile on www.schilliger.ch) | |

This detail can be applied to single-storey or multi-storey wooden buildings. It serves as an aid and does not replace a building concept. The detail must be adapted according to static, building physics and fire safety requirements. Variants with different products are possible. Our technical office is at your disposal for any questions you may have.

1.1 Detail of external wall anchoring

Variant 3

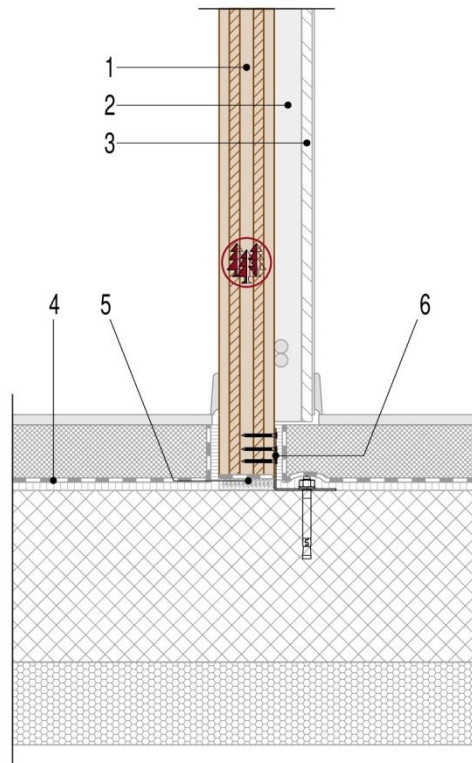


- | | |
|---|---|
| 1 CLT panel (according to statics) | 7 Assembly (according to technical data sheets) |
| 2 Vapour barrier (if applicable, depending on building physics) | 8 Waterproofing/sealing |
| 3 Insulation | 9 Wooden sleeper with rebate |
| 4 Water barrier film | 10 Barrier layer and mortar bed |
| 5 Air gap, battens | 11 Flooring |
| 6 Exterior timber cladding (see profile on www.schilliger.ch) | 12 Concrete anchoring (according to statics) |

This detail can be applied to single-storey or multi-storey wooden buildings. It serves as an aid and does not replace a building concept. The detail must be adapted according to static, building physics and fire safety requirements. Variants with different products are possible. Our technical office is at your disposal for any questions you may have.

1.2 Detail of internal wall anchoring

Variant 1



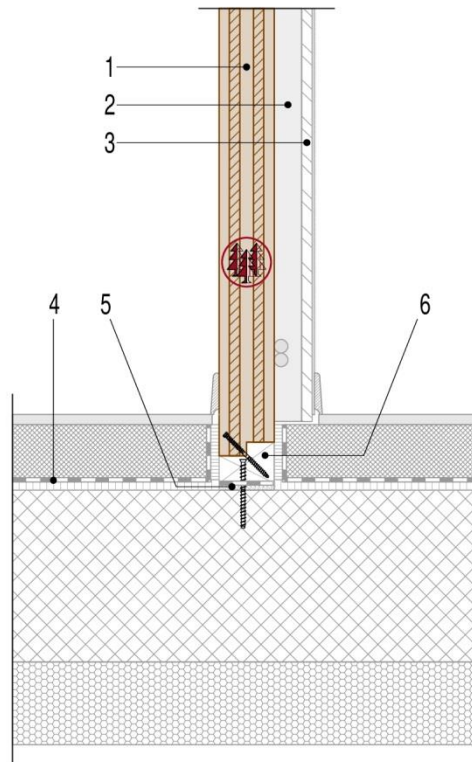
- 1 CLT panel (according to statics)
- 2 Service cavity
- 3 Cladding

- 4 Flooring
- 5 Barrier layer and mortar bed
- 6 Angle-bracket and concrete anchoring
(according to statics)

This detail can be applied to single-storey or multi-storey wooden buildings. It serves as an aid and does not replace a building concept. The detail must be adapted according to static, building physics and fire safety requirements. Variants with different products are possible. Our technical office is at your disposal for any questions you may have.

1.2 Detail of internal wall anchoring

Variant 2

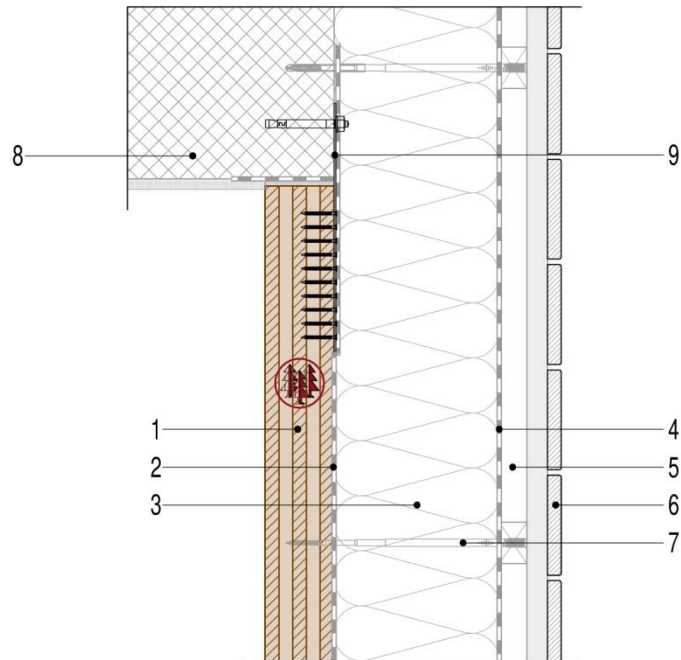


- 1 CLT panel (according to statics)
- 2 Service cavity
- 3 Cladding

- 4 Flooring
- 5 Barrier layer and mortar bed
- 6 Wooden sleeper with rebate

This detail can be applied to single-storey or multi-storey wooden buildings. It serves as an aid and does not replace a building concept. The detail must be adapted according to static, building physics and fire safety requirements. Variants with different products are possible. Our technical office is at your disposal for any questions you may have.

1.3 Detail of anchoring to a concrete wall

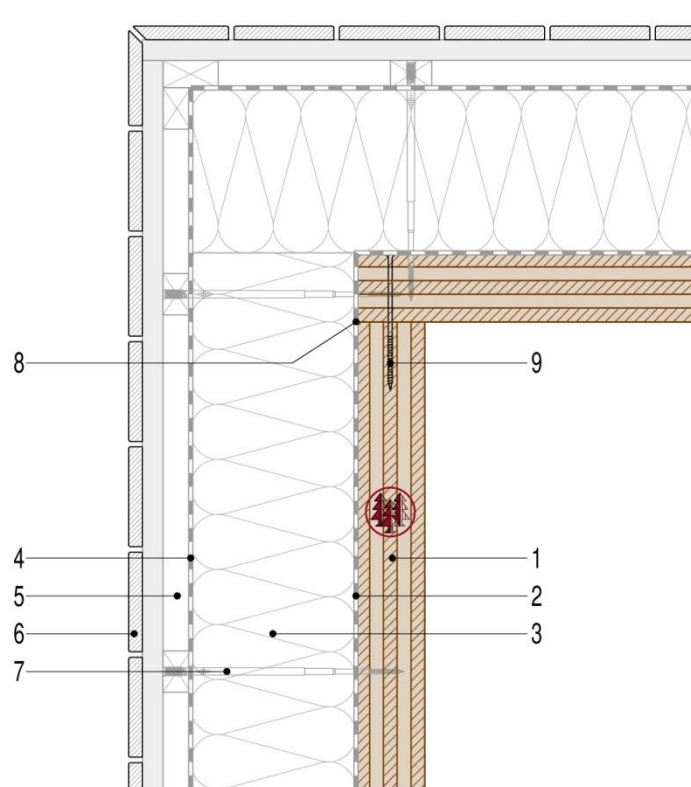


- | | |
|---|---|
| 1 CLT panel (according to statics) | 6 Exterior timber cladding (see profile on www.schilliger.ch) |
| 2 Vapour barrier (if applicable, depending on building physics) | 7 Assembly (according to technical data sheets) |
| 3 Insulation | 8 Wall structure |
| 4 Water barrier film | 9 Perforated sheet and concrete anchoring (according to statics) |
| 5 Air gap, battens | |

This detail can be applied to single-storey or multi-storey wooden buildings. It serves as an aid and does not replace a building concept. The detail must be adapted according on static, building physics and fire safety requirements. Variants with different products are possible. Our technical office is at your disposal for any questions you may have.

2.1 Detail of exterior wall corner-connection

Variant 1

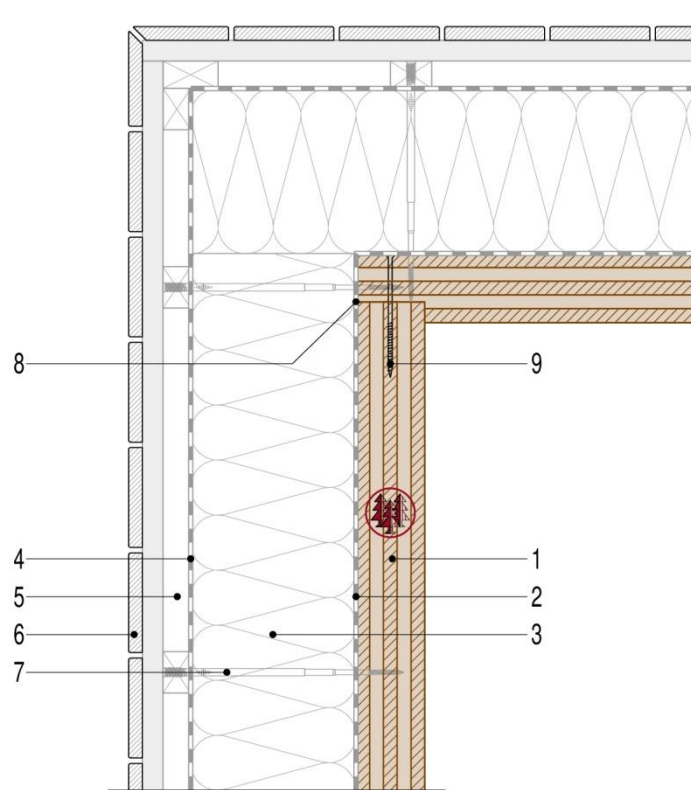


- | | |
|---|--|
| 1 CLT panel (according to statics) | 6 Exterior timber cladding(see profile on www.schilliger.ch) |
| 2 Vapour barrier (if applicable, depending on building physics) | 7 Assembly (according to technical data sheets) |
| 3 Insulation | 8 Windproofing layer connection |
| 4 Water barrier film | 9 Assembly screws |
| 5 Air gap, battens | |

This detail can be applied to single-storey or multi-storey wooden buildings. It serves as an aid and does not replace a building concept. The detail must be adapted according on static, building physics and fire safety requirements. Variants with different products are possible. Our technical office is at your disposal for any questions you may have.

2.1 Detail of exterior wall corner-connection

Variant 2

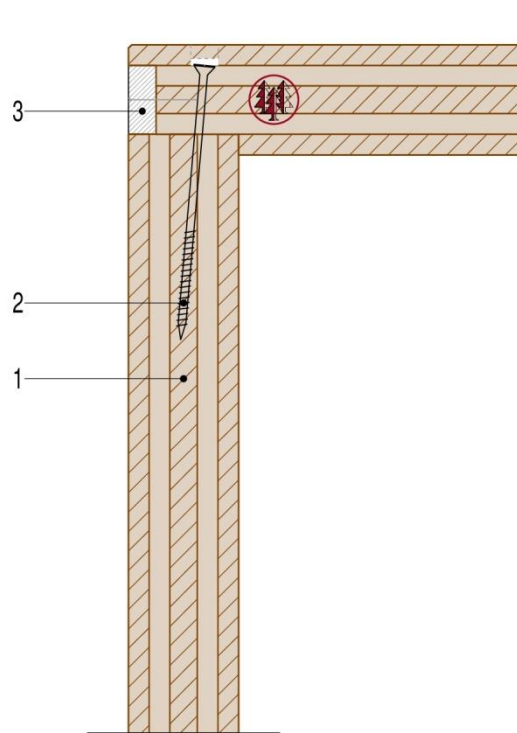


- | | |
|---|--|
| 1 CLT panel (according to statics) | 6 Exterior timber cladding(see profile on www.schilliger.ch) |
| 2 Vapour barrier (if applicable, depending on building physics) | 7 Assembly (according to technical data sheets) |
| 3 Insulation | 8 Windproofing layer connection |
| 4 Water barrier film | 9 Assembly screws |
| 5 Air gap, battens | |

This detail can be applied to single-storey or multi-storey wooden buildings. It serves as an aid and does not replace a building concept. The detail must be adapted according on static, building physics and fire safety requirements. Variants with different products are possible. Our technical office is at your disposal for any questions you may have.

2.2 Detail of interior wall corner-connection

Variant 1

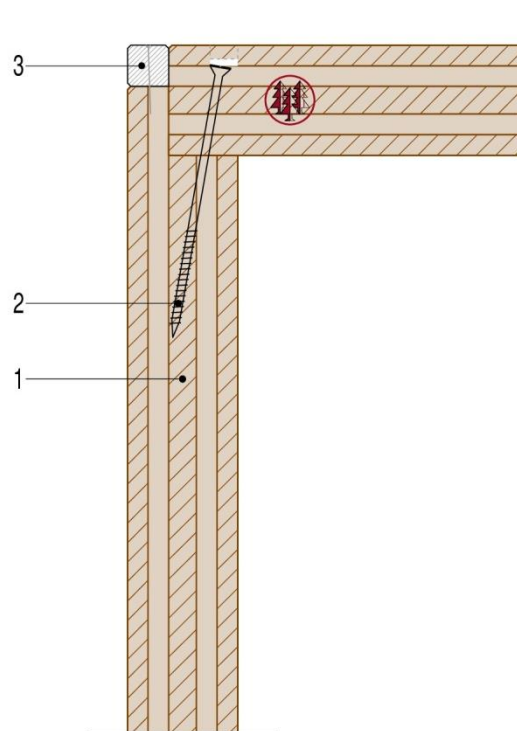


- 1 CLT panel (according to statics)
- 2 Assembly screws
- 3 Concealed edge band glued on site or on request

This detail can be applied to single-storey or multi-storey wooden buildings. It serves as an aid and does not replace a building concept. The detail must be adapted according to static, building physics and fire safety requirements. Variants with different products are possible. Our technical office is at your disposal for any questions you may have.

2.2 Detail of interior wall corner-connection

Variant 2

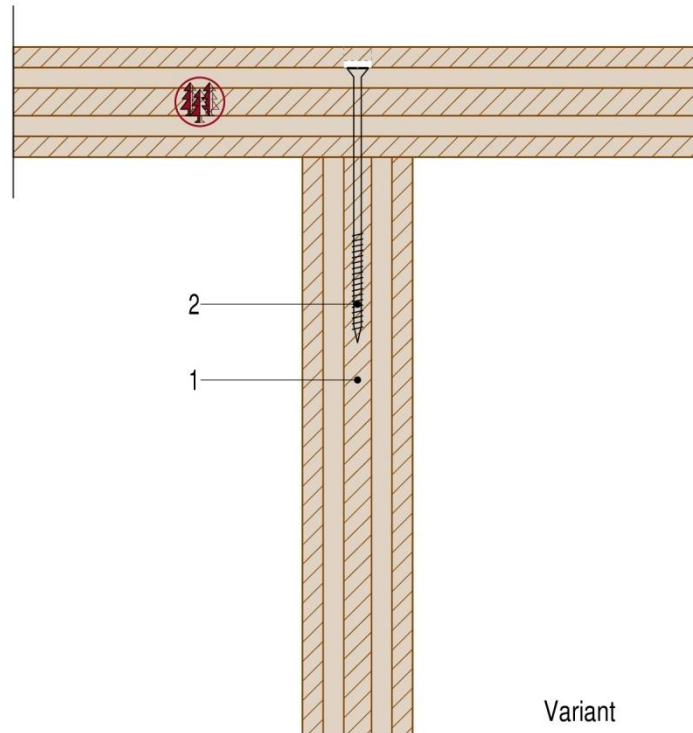


- 1 CLT panel (according to statics)
- 2 Assembly screws
- 3 Concealed edge band glued on site or on request

This detail can be applied to single-storey or multi-storey wooden buildings. It serves as an aid and does not replace a building concept. The detail must be adapted according on static, building physics and fire safety requirements. Variants with different products are possible. Our technical office is at your disposal for any questions you may have.

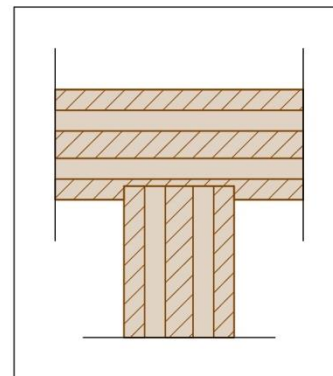
2.3 Detail of interior wall 'T'-connection

Variant 1



- 1 CLT panel (according to statics)
- 2 Assembly screws

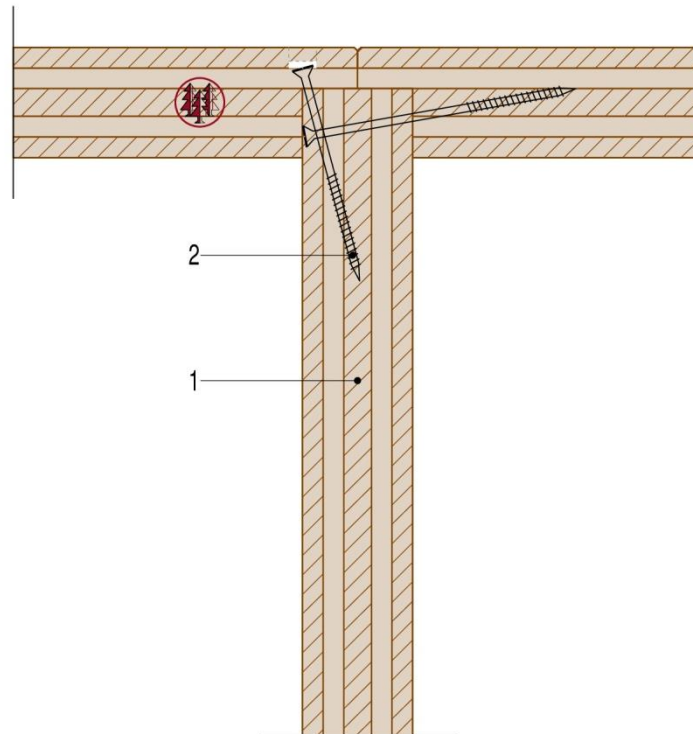
Variant



This detail can be applied to single-storey or multi-storey wooden buildings. It serves as an aid and does not replace a building concept. The detail must be adapted according on static, building physics and fire safety requirements. Variants with different products are possible. Our technical office is at your disposal for any questions you may have.

2.3 Detail of interior wall 'T'-connection

Variant 2



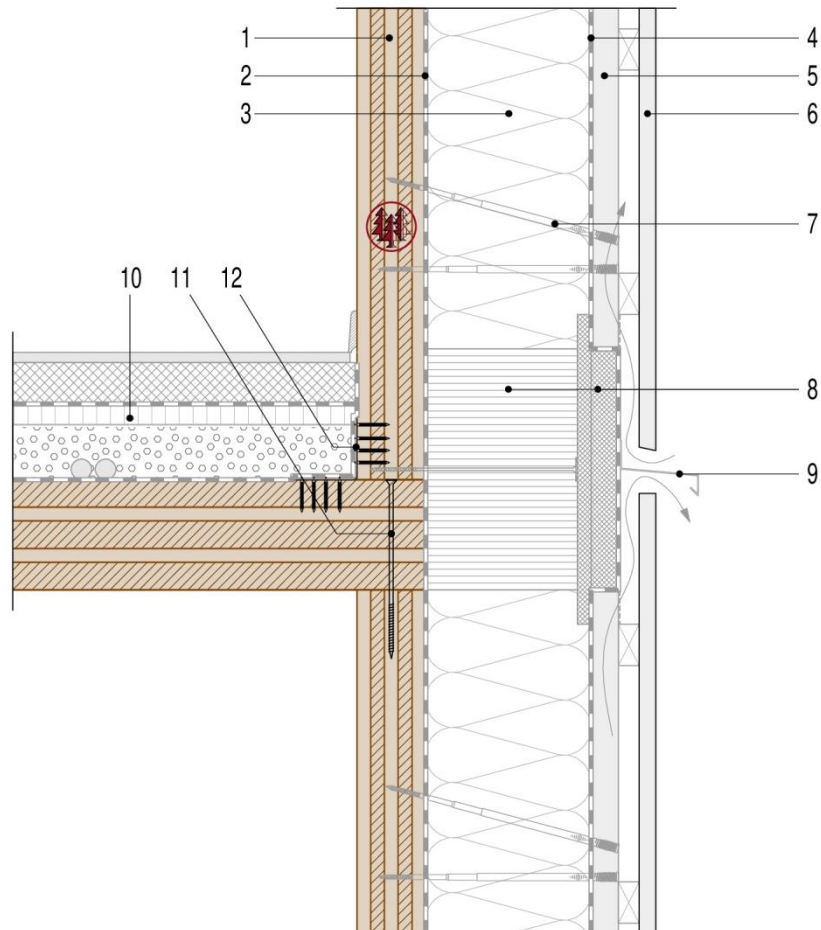
- 1 CLT panel (according to statics)
- 2 Assembly screws

Please note the assembly sequence

This detail can be applied to single-storey or multi-storey wooden buildings. It serves as an aid and does not replace a building concept. The detail must be adapted according to static, building physics and fire safety requirements. Variants with different products are possible. Our technical office is at your disposal for any questions you may have.

3.1 Detail of ceiling to exterior wall connection

Variant 1

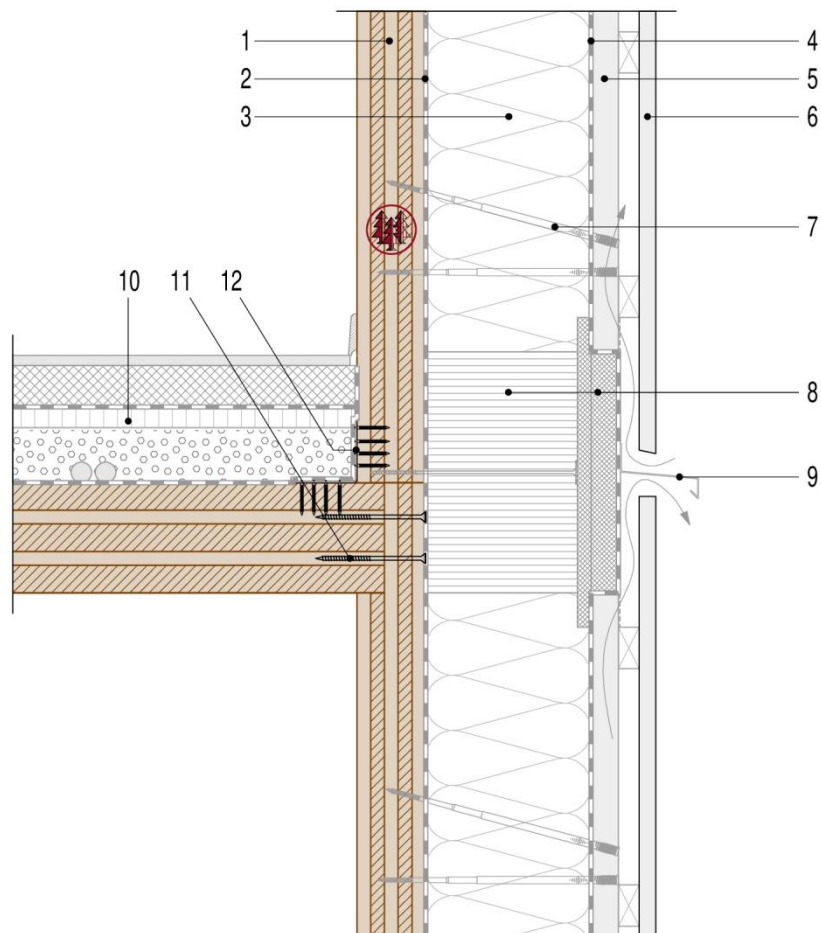


- | | |
|--|--|
| 1 CLT panel (according to statics) | 7 Assembly (according to technical data sheets) |
| 2 Vapour barrier (if applicable, depending on building physics) | 8 Fireproof barrier (according to fire safety regulations) |
| 3 Insulation | 9 Apron (horizontal fire protection measure) |
| 4 Water barrier film | 10 Flooring |
| 5 Air gap, battens | 11 Assembly screws |
| 6 Exterior cladding (see profile on www.schilliger.ch) | 12 Angle-bracket and anchoring (according to statics) |

This detail can be applied to single-storey or multi-storey wooden buildings. It serves as an aid and does not replace a building concept. The detail must be adapted according to static, building physics and fire safety requirements. Variants with different products are possible. Our technical office is at your disposal for any questions you may have.

3.1 Detail of ceiling to exterior wall connection

Variant 2

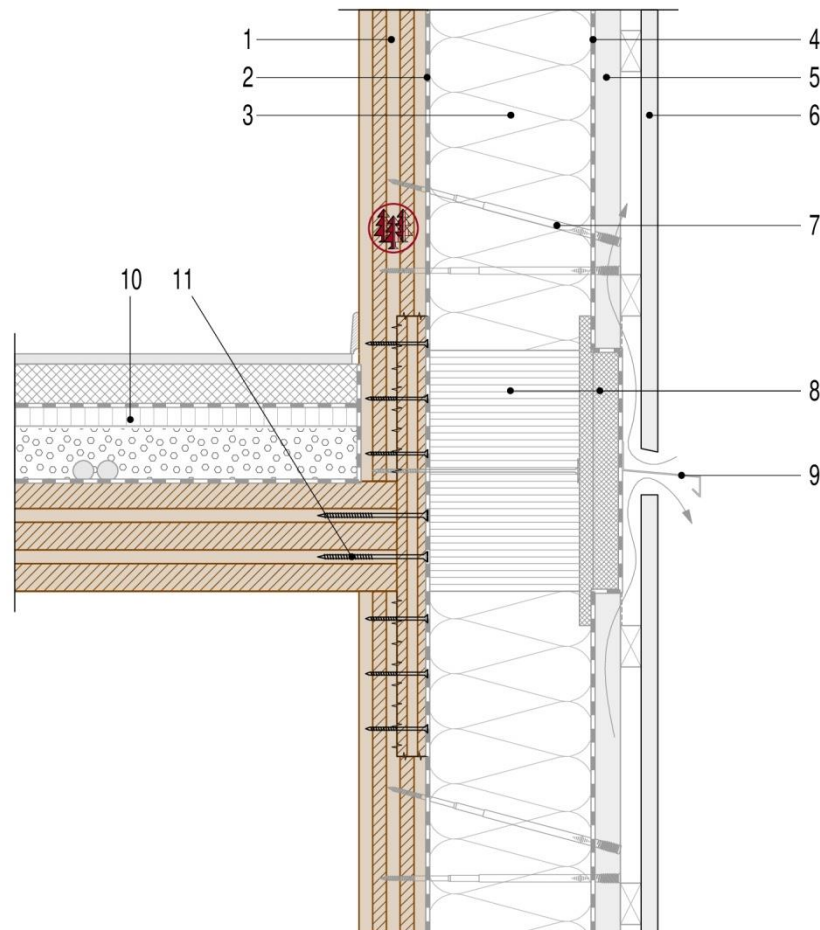


- | | |
|--|--|
| 1 CLT panel (according to statics) | 7 Assembly (according to technical data sheets) |
| 2 Vapour barrier (if applicable, depending on building physics) | 8 Fireproof barrier (according to fire safety regulations) |
| 3 Insulation | 9 Apron (horizontal fire protection measure) |
| 4 Water barrier film | 10 Flooring |
| 5 Air gap, battens | 11 Assembly screws |
| 6 Exterior cladding (see profile on www.schilliger.ch) | 12 Angle-bracket and anchoring (according to statics) |

This detail can be applied to single-storey or multi-storey wooden buildings. It serves as an aid and does not replace a building concept. The detail must be adapted according to static, building physics and fire safety requirements. Variants with different products are possible. Our technical office is at your disposal for any questions you may have.

3.1 Detail of ceiling to exterior wall connection

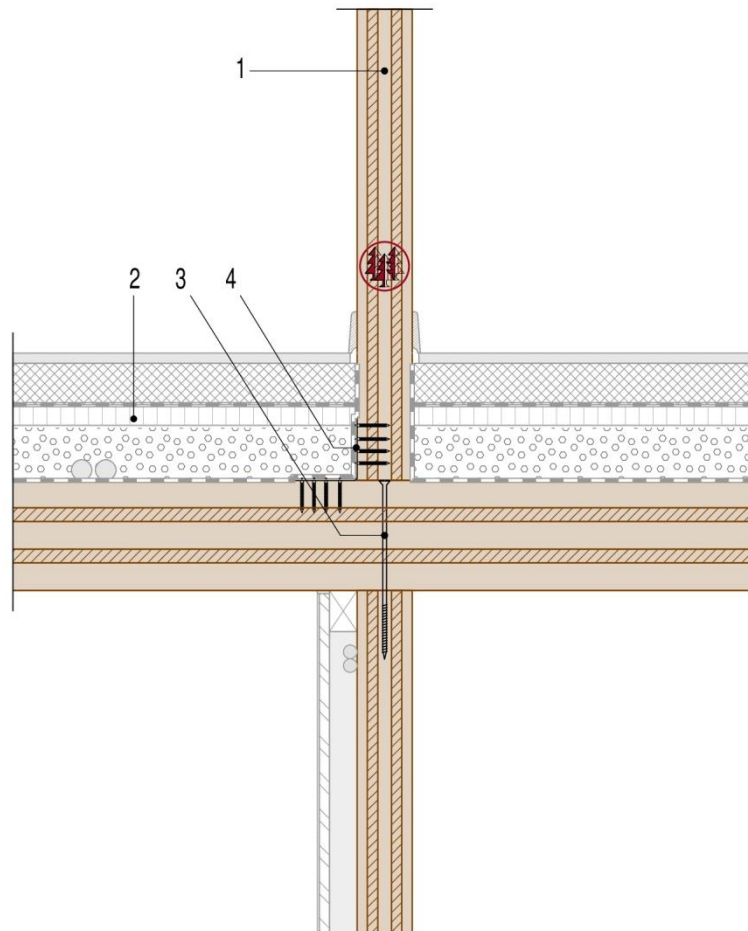
Variant 3



- | | |
|--|--|
| 1 CLT panel (according to statics) | 7 Assembly (according to technical data sheets) |
| 2 Vapour barrier (if applicable, depending on building physics) | 8 Fireproof barrier (according to fire safety regulations) |
| 3 Insulation | 9 Apron (horizontal fire protection measure) |
| 4 Water barrier film | 10 Flooring |
| 5 Air gap, battens | 11 Assembly screws |
| 6 Exterior cladding (see profile on www.schilliger.ch) | |

This detail can be applied to single-storey or multi-storey wooden buildings. It serves as an aid and does not replace a building concept. The detail must be adapted according to static, building physics and fire safety requirements. Variants with different products are possible. Our technical office is at your disposal for any questions you may have.

3.2 Detail of ceiling to interior wall connection

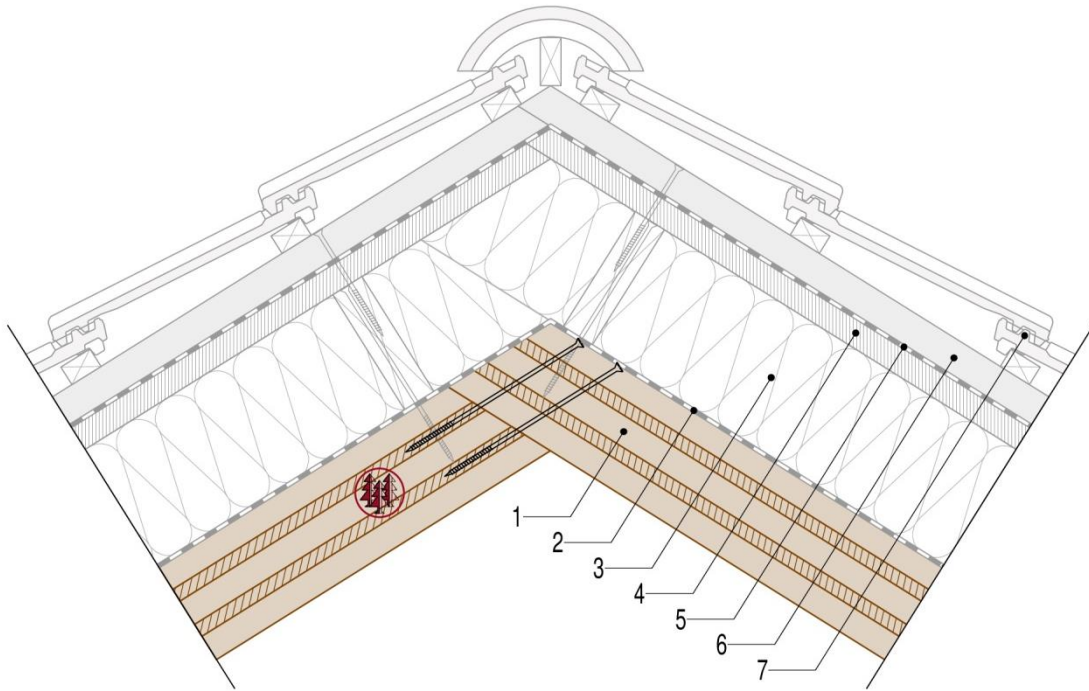


- 1 CLT panel (according to statics)
- 2 Flooring
- 3 Assembly screws
- 4 Angle-bracket and anchoring (according to statics)

This detail can be applied to single-storey or multi-storey wooden buildings. It serves as an aid and does not replace a building concept. The detail must be adapted according on static, building physics and fire safety requirements. Variants with different products are possible. Our technical office is at your disposal for any questions you may have.

4.1 Detail of ridge (pitched roof)

Variant 1

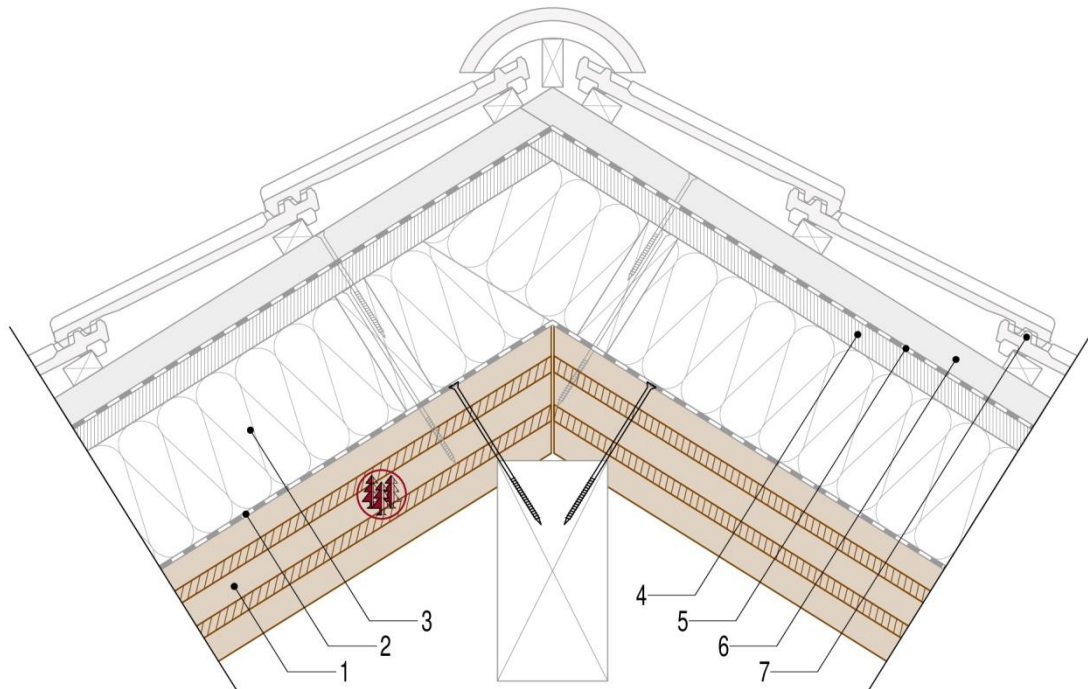


- | | |
|---|----------------------|
| 1 CLT panel (according to statics) | 5 Water barrier film |
| 2 Vapour barrier (if applicable, depending on building physics) | 6 Air gap, battens |
| 3 Insulation | 7 Roofing |
| 4 Second insulation layer | |

This detail can be applied to single-storey or multi-storey wooden buildings. It serves as an aid and does not replace a building concept. The detail must be adapted according to static, building physics and fire safety requirements. Variants with different products are possible. Our technical office is at your disposal for any questions you may have.

4.1 Detail of ridge (pitched roof)

Variant 2

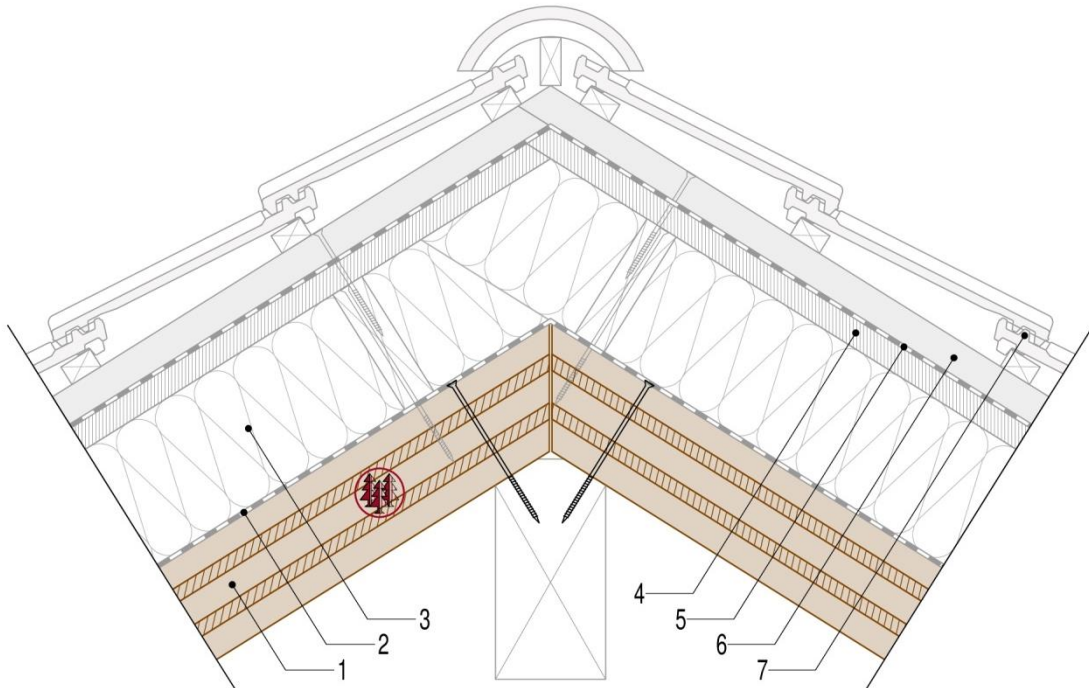


- | | |
|---|----------------------|
| 1 CLT panel (according to statics) | 5 Water barrier film |
| 2 Vapour barrier (if applicable, depending on building physics) | 6 Air gap, battens |
| 3 Insulation | 7 Roofing |
| 4 Second insulation layer | |

This detail can be applied to single-storey or multi-storey wooden buildings. It serves as an aid and does not replace a building concept. The detail must be adapted according to static, building physics and fire safety requirements. Variants with different products are possible. Our technical office is at your disposal for any questions you may have.

4.1 Detail of ridge (pitched roof)

Variant 3



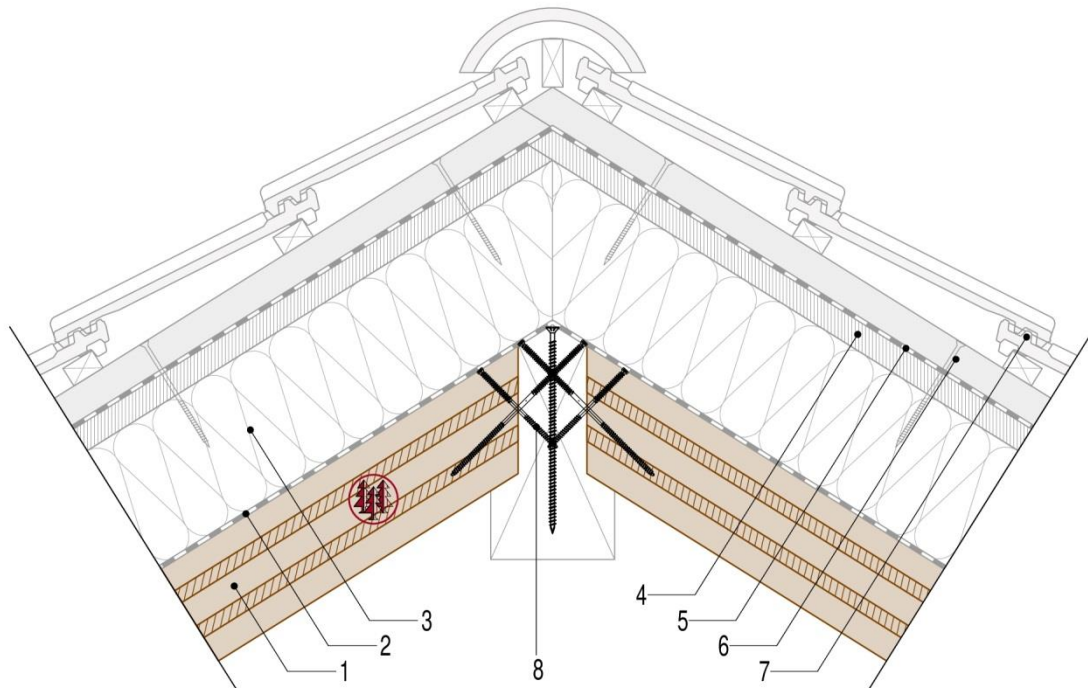
- 1 CLT panel (according to statics)
- 2 Vapour barrier (if applicable, depending on building physics)
- 3 Insulation
- 4 Second insulation layer

- 5 Water barrier film
- 6 Air gap, battens
- 7 Roofing

This detail can be applied to single-storey or multi-storey wooden buildings. It serves as an aid and does not replace a building concept. The detail must be adapted according to static, building physics and fire safety requirements. Variants with different products are possible. Our technical office is at your disposal for any questions you may have.

4.1 Detail of ridge (pitched roof)

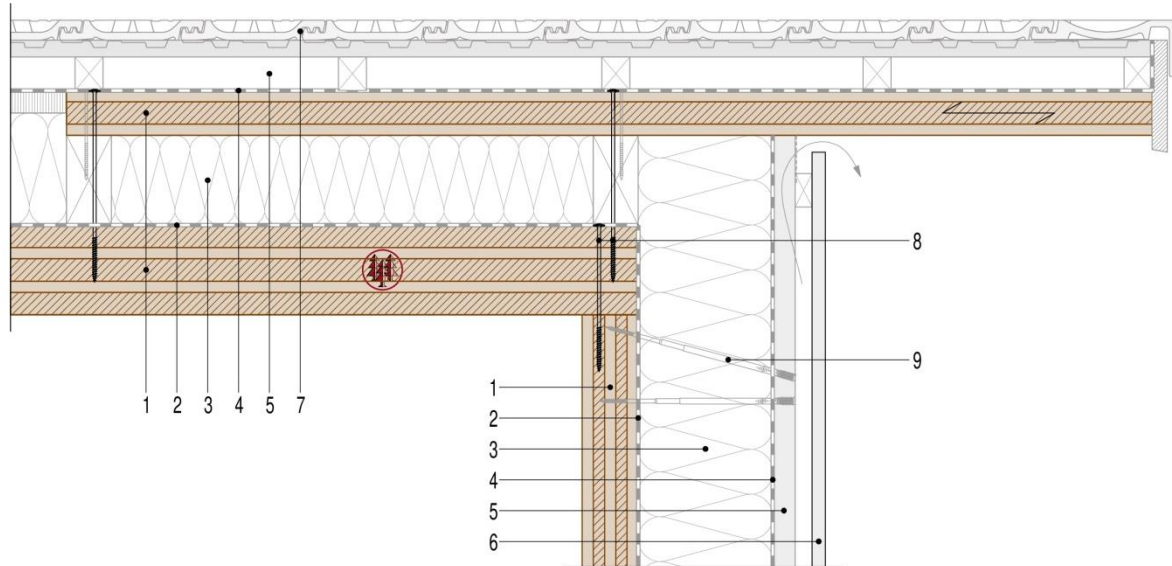
Variant 4



- | | |
|---|--|
| 1 CLT panel (according to statics) | 5 Water barrier film |
| 2 Vapour barrier (if applicable, depending on building physics) | 6 Air gap, battens |
| 3 Insulation | 7 Roofing |
| 4 Second insulation layer | 8 Assembly screws (according to technical data sheets) |

This detail can be applied to single-storey or multi-storey wooden buildings. It serves as an aid and does not replace a building concept. The detail must be adapted according to static, building physics and fire safety requirements. Variants with different products are possible. Our technical office is at your disposal for any questions you may have.

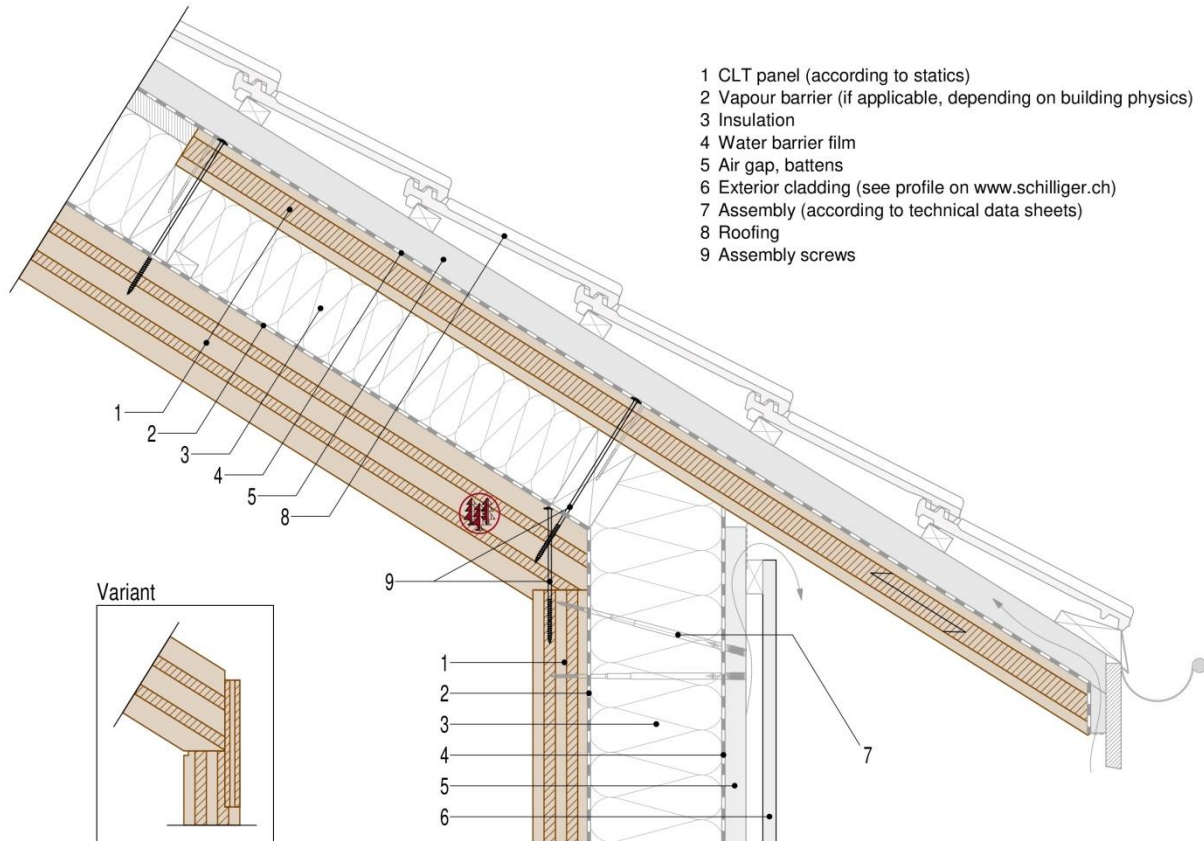
4.2 Detail of roof edge (verge)



- 1 CLT panel (according to statics)
- 2 Vapour barrier (if applicable, depending on building physics)
- 3 Insulation
- 4 Water barrier film
- 5 Air gap, battens
- 6 Exterior timber cladding (see profile on www.schilliger.ch)
- 7 Roofing
- 8 Assembly screws
- 9 Assembly (according to technical data sheets)

This detail can be applied to single-storey or multi-storey wooden buildings. It serves as an aid and does not replace a building concept. The detail must be adapted according to static, building physics and fire safety requirements. Variants with different products are possible. Our technical office is at your disposal for any questions you may have.

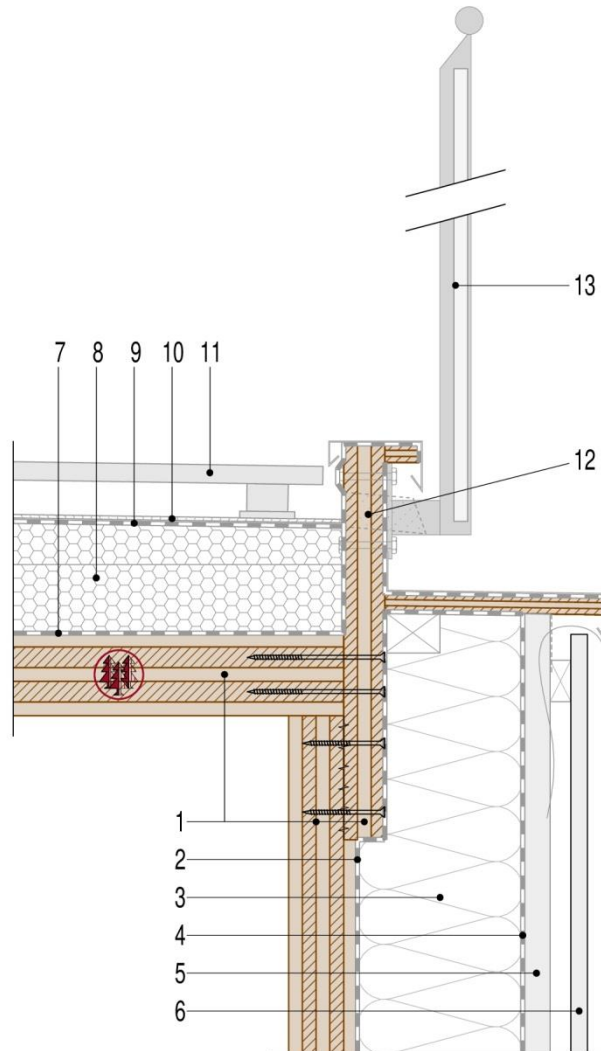
4.3 Detail of roof edge (eaves)



This detail can be applied to single-storey or multi-storey wooden buildings. It serves as an aid and does not replace a building concept. The detail must be adapted according on static, building physics and fire safety requirements. Variants with different products are possible. Our technical office is at your disposal for any questions you may have.

5.1 Detail of flat roof (accessible)

Variant 1

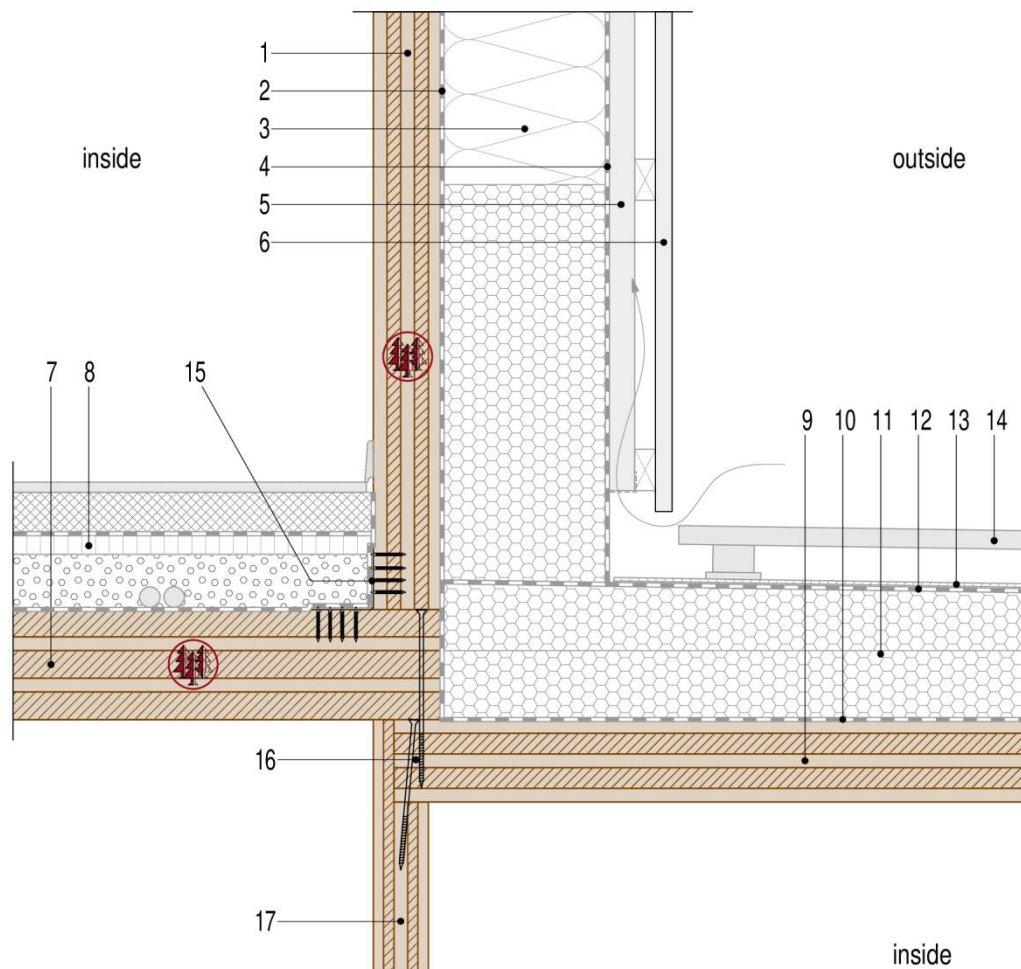


- | | |
|---|----------------------------------|
| 1 CLT panel (according to statics) | 8 Tapered insulation |
| 2 Vapour barrier (if applicable, depending on building physics) | 9 Bitumen waterproofing membrane |
| 3 Insulation | 10 Protective layer |
| 4 Water barrier film | 11 Wooden decking |
| 5 Air gap, battens | 12 Water drainage |
| 6 Exterior timber cladding (see profile on www.schilliger.ch) | 13 Railing |
| 7 Bituminous waterproofing during the construction phase | |

This detail can be applied to single-storey or multi-storey wooden buildings. It serves as an aid and does not replace a building concept. The detail must be adapted according to static, building physics and fire safety requirements. Variants with different products are possible. Our technical office is at your disposal for any questions you may have.

5.1 Detail of flat roof (accessible)

Variant 2

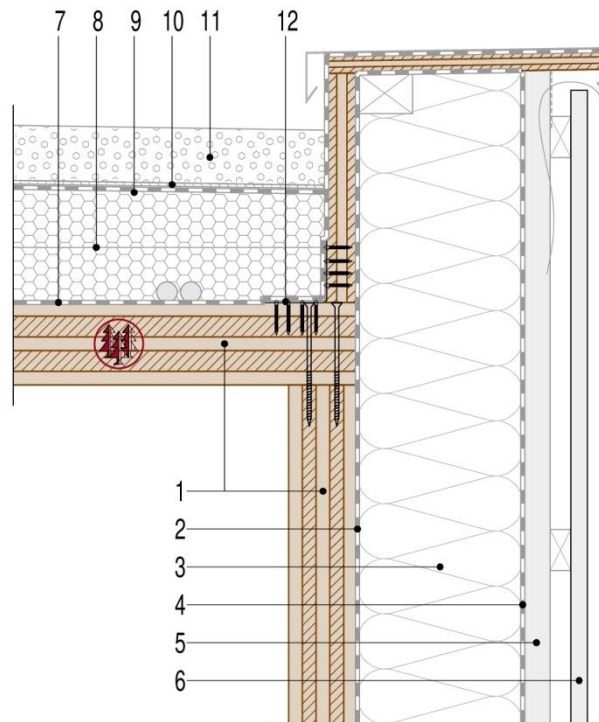


- | | |
|---|---|
| 1 CLT panel (according to statics) | 10 Bituminous waterproofing during the construction phase |
| 2 Vapour barrier (if applicable, depending on building physics) | 11 Tapered insulation |
| 3 Insulation | 12 Bitumen waterproofing membrane |
| 4 Water barrier film | 13 Protective layer |
| 5 Air gap, battens | 14 Wooden decking |
| 6 Exterior timber cladding (see profile on www.schilliger.ch) | 15 Angle-bracket and anchoring (according to statics) |
| 7 CLT panel (according to statics) | 16 Assembly screws |
| 8 Flooring | 17 CLT panel (according to statics) |
| 9 CLT panel (according to statics) | |

This detail can be applied to single-storey or multi-storey wooden buildings. It serves as an aid and does not replace a building concept. The detail must be adapted according to static, building physics and fire safety requirements. Variants with different products are possible. Our technical office is at your disposal for any questions you may have.

5.2 Detail of flat roof (non-accessible)

Variant 1

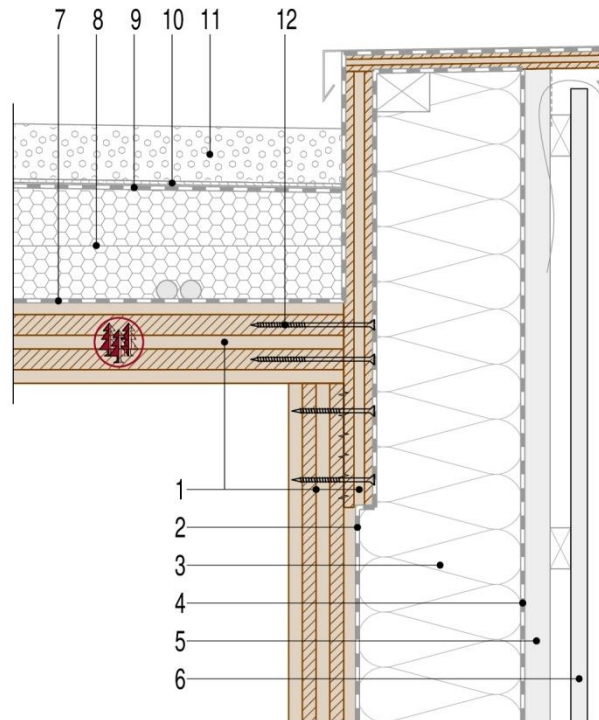


- | | |
|---|--|
| 1 CLT panel (according to statics) | 7 Bituminous waterproofing during the construction phase |
| 2 Vapour barrier (if applicable, depending on building physics) | 8 Tapered insulation |
| 3 Insulation | 9 Bitumen waterproofing membrane |
| 4 Water barrier film | 10 Protective layer |
| 5 Air gap, battens | 11 Substrate |
| 6 Exterior timber cladding (see profile on www.schilliger.ch) | 12 Angle-bracket and anchoring (according to statics) |

This detail can be applied to single-storey or multi-storey wooden buildings. It serves as an aid and does not replace a building concept. The detail must be adapted according to static, building physics and fire safety requirements. Variants with different products are possible. Our technical office is at your disposal for any questions you may have.

5.2 Detail of flat roof (non-accessible)

Variant 2



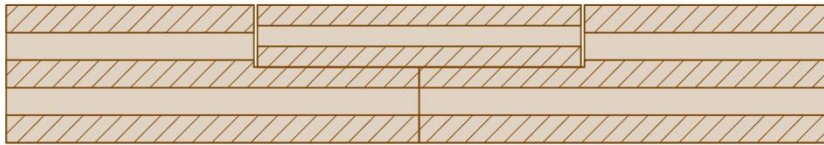
- | | |
|---|--|
| 1 CLT panel (according to statics) | 7 Bituminous waterproofing during the construction phase |
| 2 Vapour barrier (if applicable, depending on building physics) | 8 Tapered insulation |
| 3 Insulation | 9 Bitumen waterproofing membrane |
| 4 Water barrier film | 10 Protective layer |
| 5 Air gap, battens | 11 Substrate |
| 6 Exterior timber cladding (see profile on www.schilliger.ch) | 12 Assembly screws |

This detail can be applied to single-storey or multi-storey wooden buildings. It serves as an aid and does not replace a building concept. The detail must be adapted according to static, building physics and fire safety requirements. Variants with different products are possible. Our technical office is at your disposal for any questions you may have.

6.1 Panel joint

Variants 1-3

Panel-joint 1, Joint plate



Panel-joint 2, Tongue and groove



Available dimensions

- 6 x 30 mm
- 10 x 30 mm
- 20 x 48 mm
- 30 x 66 mm

Panel-joint 3, Half-lap joint

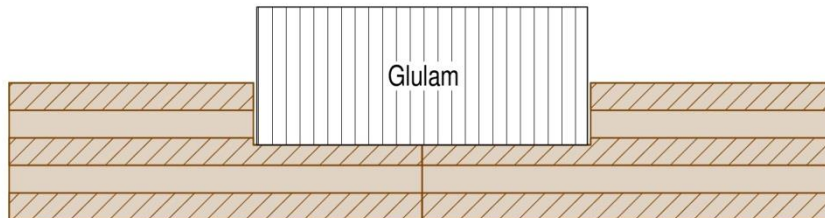


This detail can be applied to single-storey or multi-storey wooden buildings. It serves as an aid and does not replace a building concept. The detail must be adapted according on static, building physics and fire safety requirements. Variants with different products are possible. Our technical office is at your disposal for any questions you may have.

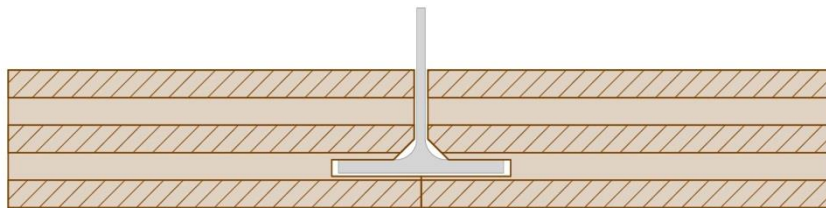
6.1 Panel joint

Variants 4-5

Panel-joint 4, Mitre joint with glulam beam



Panel-joint 5, Mitre joint with steel T-section



This detail can be applied to single-storey or multi-storey wooden buildings. It serves as an aid and does not replace a building concept. The detail must be adapted according to static, building physics and fire safety requirements. Variants with different products are possible. Our technical office is at your disposal for any questions you may have.

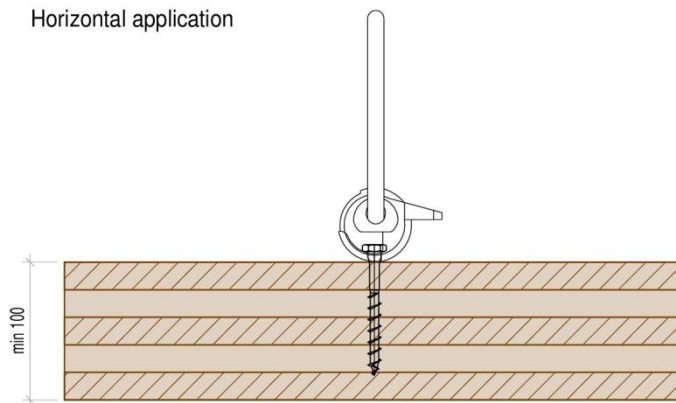
6.3 Assembly suspensions

Variant 1

ASSY 3.0 Kombi transport anchor screw

The transport anchor screws must be defined and drawn in by the customer.

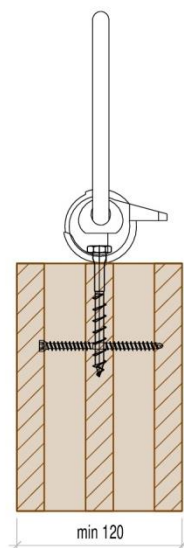
Horizontal application



ASSY® 3.0 Kombi transport anchor screw

- 10 x 90 / 60 mm
- 10 x 180 / 145 mm
- 12 x 120 / 100 mm
- 12 x 160 / 145 mm
- 12 x 180 / 145 mm

Vertical application



It is possible to use a transport anchor screw on the front-side of a cross laminated timber panel.

This detail can be applied to single-storey or multi-storey wooden buildings. It serves as an aid and does not replace a building concept. The detail must be adapted according on static, building physics and fire safety requirements. Variants with different products are possible. Our technical office is at your disposal for any questions you may have.

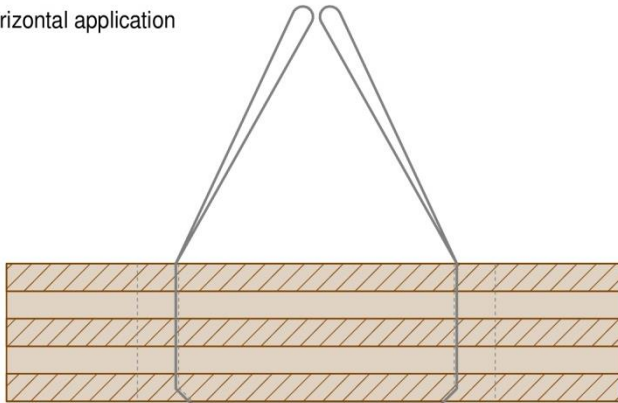
6.3 Assembly suspensions

Variante 2

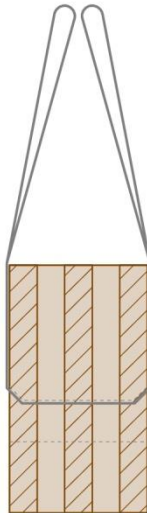
Single-use lifting straps

The oblong holes must be defined and drawn in by the customer.

Horizontal application



Vertical application



This detail can be applied to single-storey or multi-storey wooden buildings. It serves as an aid and does not replace a building concept. The detail must be adapted according to static, building physics and fire safety requirements. Variants with different products are possible. Our technical office is at your disposal for any questions you may have.

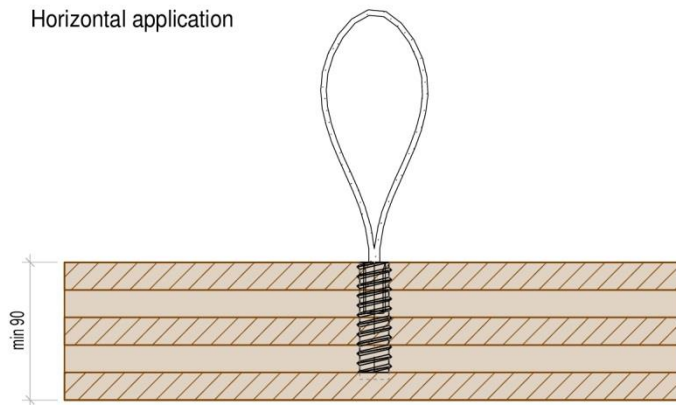
6.3 Assembly suspensions

Variante 3

RAMPA insert

The RAMPA inserts must be defined and drawn in by the customer.

Horizontal application



RAMPA inserts available

- M16 x 80 mm
- M16 x 100 mm

This detail can be applied to single-storey or multi-storey wooden buildings. It serves as an aid and does not replace a building concept. The detail must be adapted according on static, building physics and fire safety requirements. Variants with different products are possible. Our technical office is at your disposal for any questions you may have.