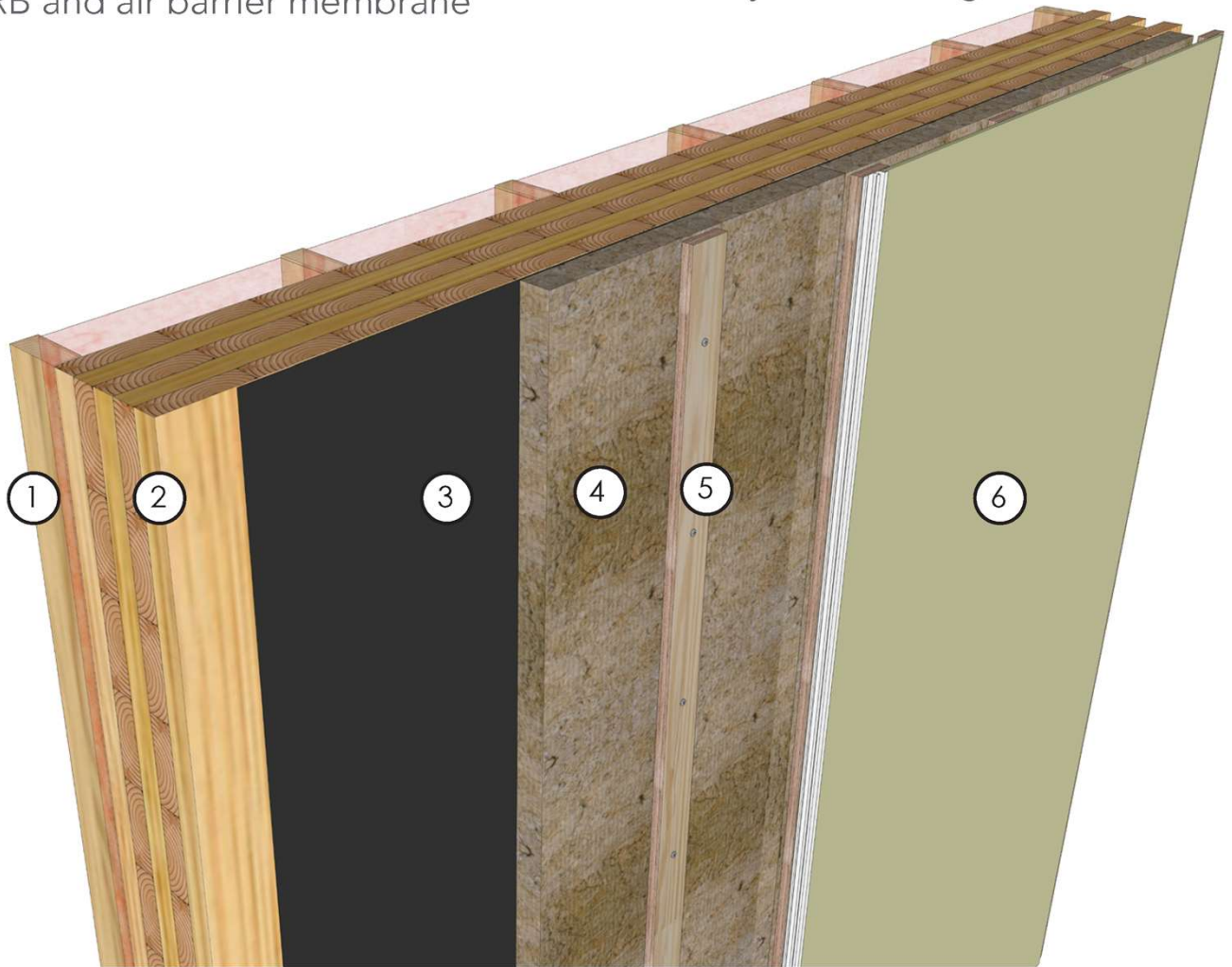


Legend

(listed from interior to exterior)

1. Interior finishes and insulation if required by the design (optional)
2. CLT wall panel
3. **REVEALSHIELD SA™ SELF-ADHERED** (shown) or **WRAPSHIELD SA® SELF-ADHERED** WRB and air barrier membrane
4. Mineral fiber insulation; rigid or semi-rigid depending on the cladding attachment strategy
5. Furring strips and rainscreen drainage cavity; see page 28 and page 29 for additional cladding attachment options
6. Closed joint cladding



CLT with Closed Joint Cladding System



DISCLAIMER

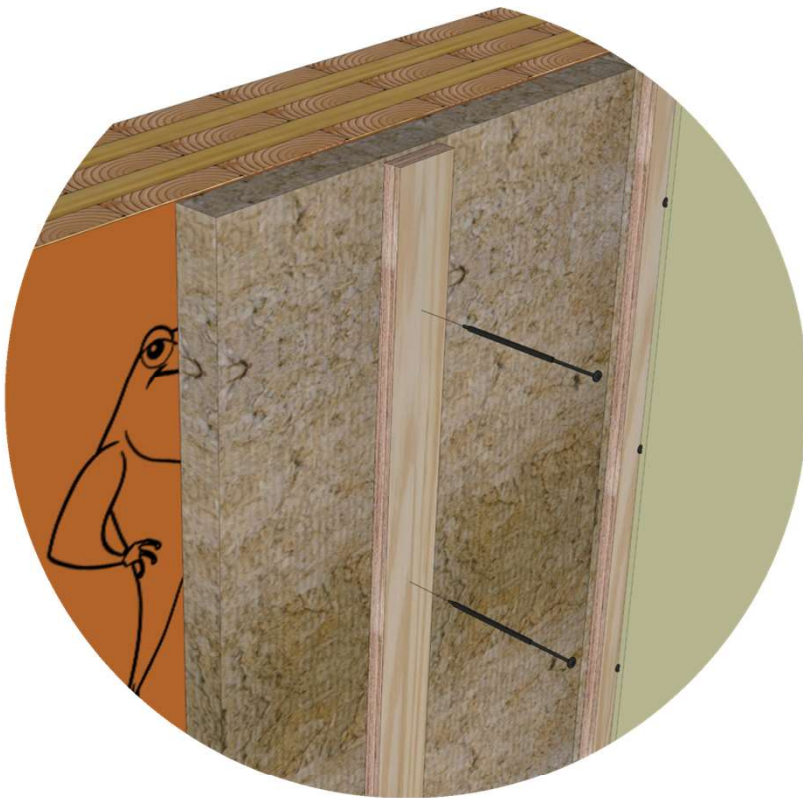
Detail sketch is generic, representing suggested best practices for VaproShield materials, and does not represent a specific job site condition and therefore may not be applicable to certain projects. Detail sketch is designed for use as a reference and must be approved by the designer/consultant of record for each project prior to installation by the subcontractor. Changes and approvals of VaproShield details are the sole responsibility of the designer/consultant of record. VaproShield is **not** the designer of record for building enclosure details and takes no responsibility for the accuracy or interpretation of actual project site conditions.

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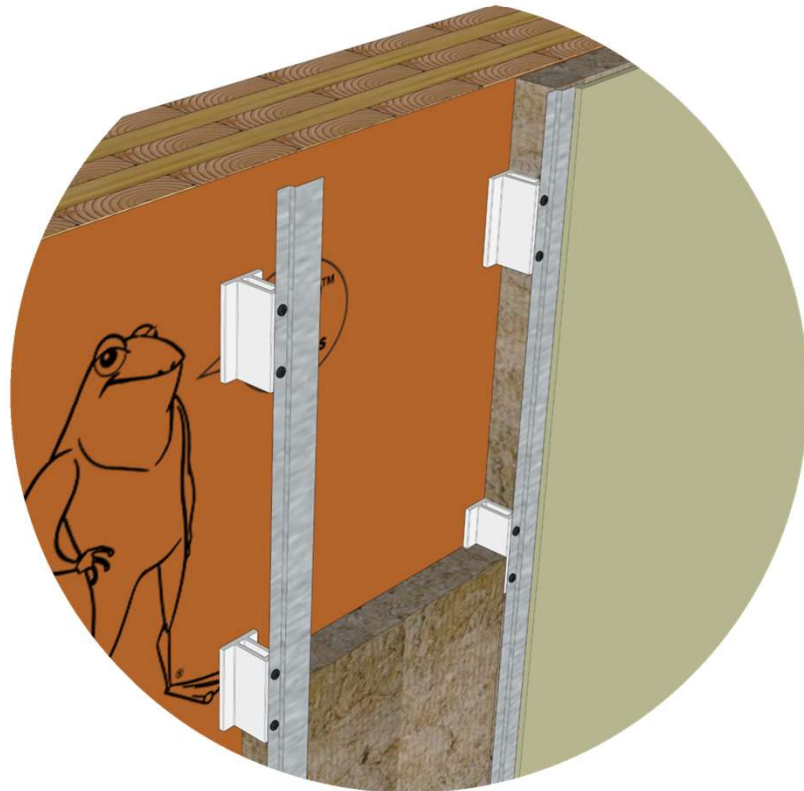


Long screw with wood furring strips.

Long screws through the insulation can be a cost-effective and thermally efficient option for the attachment of light to medium weight claddings. With this system, the cladding is attached to treated vertical wood furring strips placed against the face of a rigid mineral fiber insulation. The furring strips are fastened back through rigid mineral fiber insulation to the CLT panel. Additional detailing is typically not required where the fastener penetrates **WRAPSHIELD SA® SELF-ADHERED** or **REVEALSHIELD SA™ SELF-ADHERED**.

Clip and rail system.

With clip and rail systems, the cladding is attached to vertical or horizontal metal girts. The girts, or rails, are attached to intermittent clips that bridge the insulation and are attached to the CLT structure. The insulation may be rigid or semi-rigid mineral fiber; however, semi-rigid insulation is typically easier to fit around the clips. Additional detailing is typically not required at clip fastener penetrations through **WRAPSHIELD SA® SELF-ADHERED** or **REVEALSHIELD SA™ SELF-ADHERED** when the clips are installed tight to the membrane. However, when clips are not installed snug to the wall, the gap created behind the clip can trap water, increasing the risk for water ingress at fastener penetrations. **VAPROSHIM SA™ SELF-ADHERED** or **VAPROBOND™** are used at fastener locations to seal around the fastener in these scenarios.



CLT with Open Joint Cladding System



DISCLAIMER

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Vertical girt.

Vertically oriented girts are a common form of cladding attachment with rigid or semi-rigid mineral fiber insulation types. Continuous metal girts significantly degrade the performance of exterior insulation but more thermally efficient girts made of less thermally conductive materials are available. Similar to the clip and rail system, girt fastener penetrations through **WRAPSHIELD SA® SELF-ADHERED** or **REVEALSHIELD SA™ SELF-ADHERED** do not typically require additional detailing if the girt is installed tight to the wall. Where girts are not tight, **VAPROSHIM SA™ SELF-ADHERED** or **VAPROBOND™** are used at fastener locations to improve the seal at fastener penetrations.

Horizontal girt.

Continuous horizontal girts can significantly degrade the performance of exterior insulation unless non-metal girts are used. Horizontal girts without flutes or perforations installed tight to the WRB may block the drainage path at the WRB plane. VaproShield requires that horizontal girts are shimmed with **VAPROSHIM SA™ SELF-ADHERED** to provide a continuous drainage plane and to seal around girt fastener penetrations through the membrane. Rigid or semi-rigid mineral fiber insulation types can be used with this attachment approach.



CLT with Open Joint Cladding System



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