Wood Frame Construction up to 4 Storeys: Lightweight Cladding.

Intended Use of this Document

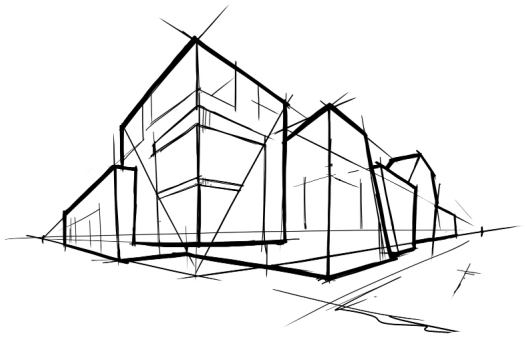
This document provides example key assembly interface details showing the use of ROCKWOOL™ products within a split-insulated wall assembly for commercial buildings up to 4 stories.

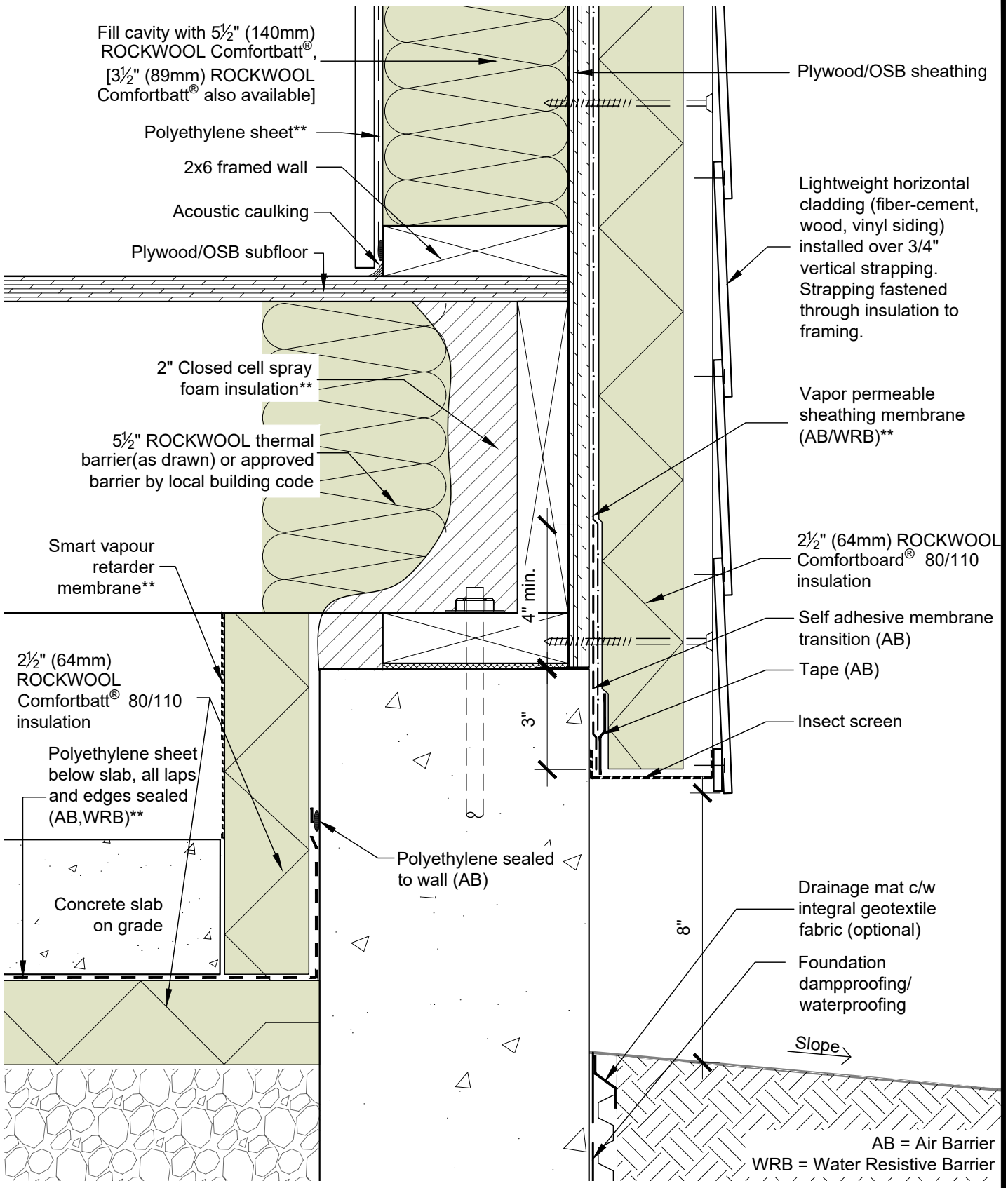
The example details could be modified for other building types or applications. The intended use has been limited to 4 stories for the sole purpose of creating boundaries around the detail development. The example details are designed to be generally applicable across North America; however, specific end use applications vary widely as to design, materials, and environments. Therefore, what is appropriate in any specific end use application is a determination that must be made independently by the experienced Project Architect and/or Engineer in their own professional judgment. ROCKWOOL™ fully disclaims any liability for any of the content contained herein whether such liability be premised on a theory of contract, tort, or otherwise.

These example details are intended to provide architects, builders, and contractors with general guidance on the best practice approach to maintain:

- Air barrier continuity,
- Water resistant barrier (moisture barrier) continuity,
- Thermal continuity and minimizing thermal bridges,
- Cladding attachment and detailing, and
- Adequate drainage and ventilation of the wall cavity.

It is important to note these details show one method of constructing a split-insulated, exterior air barrier wall assembly; however, subtle changes at interface locations could be made to achieve the same intent. Review the building code requirements for your jurisdiction to ensure that all wall assembly detailing is in general conformance, or contact ROCKWOOL™ Building Science Support for support on your project.





WOOD FRAME CONSTRUCTION UP TO 4 STOREYS - LIGHTWEIGHT HORIZONTAL CLADDING

ROCKWOOL®

DRAWING TITLE: TYPICAL WALL AT FOUNDATION WALL (CRAWLSPACE)

DRAWING NO.: Detail 01

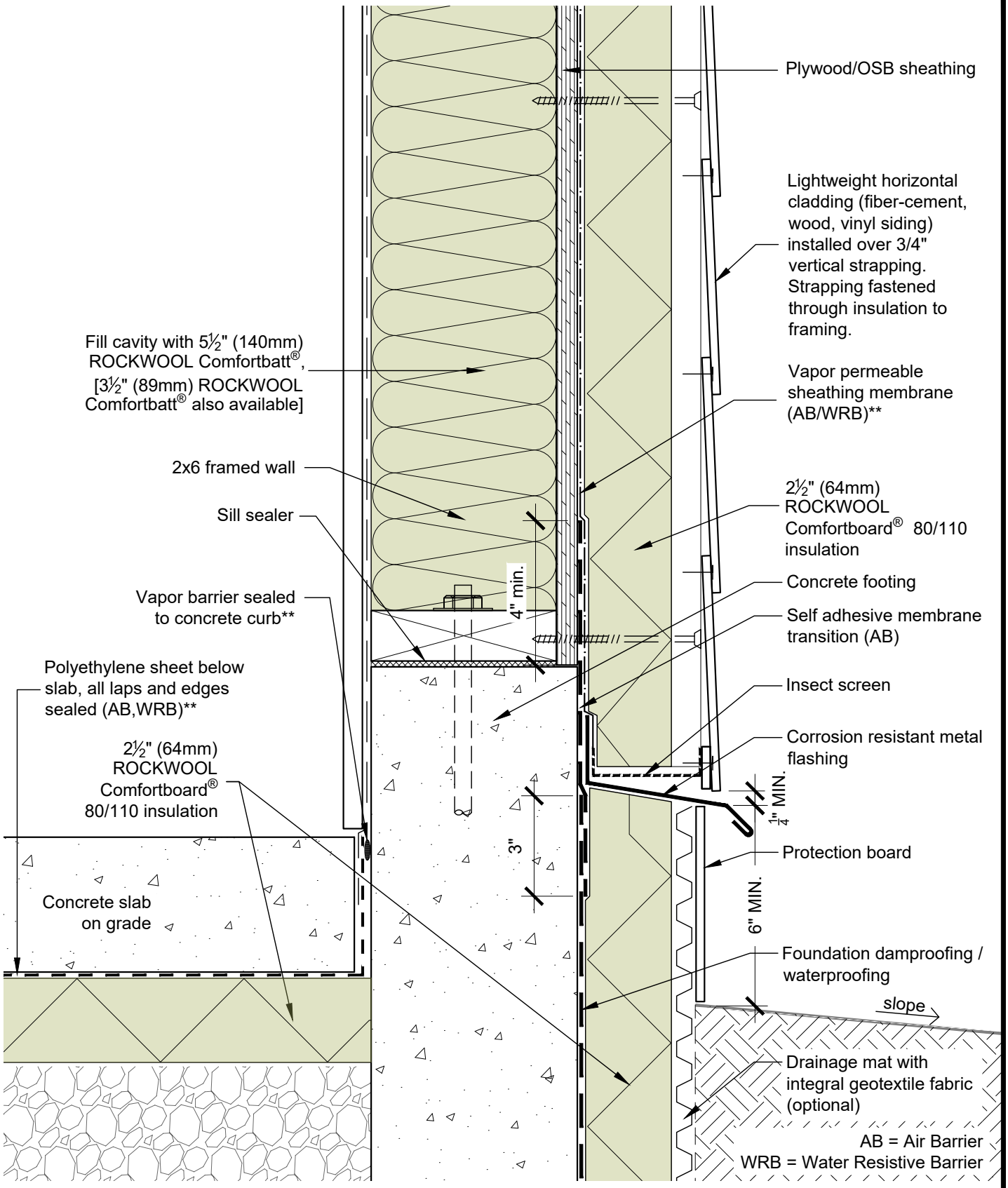
SCALE: 3" = 1'-0"

DATE: FEBRUARY 2025

February 12 2025 10:44 AM

* For thermal performance of ROCKWOOL® products, please refer to ROCKWOOL® technical data sheets

** Interior vapor control for cold climates shown. For further climate zone specific considerations for thermal, air and vapor control methodologies and requirements, please contact ROCKWOOL™ Building Science.



WOOD FRAME CONSTRUCTION UP TO 4 STOREYS - LIGHTWEIGHT HORIZONTAL CLADDING

ROCKWOOL®

DRAWING TITLE: TYPICAL WALL AT FOUNDATION CURB (SLAB-ON-GRADE)

DRAWING NO.: Detail 02

SCALE: 3" = 1'-0"

DATE: FEBRUARY 2025

February 12 2025 10:45 AM

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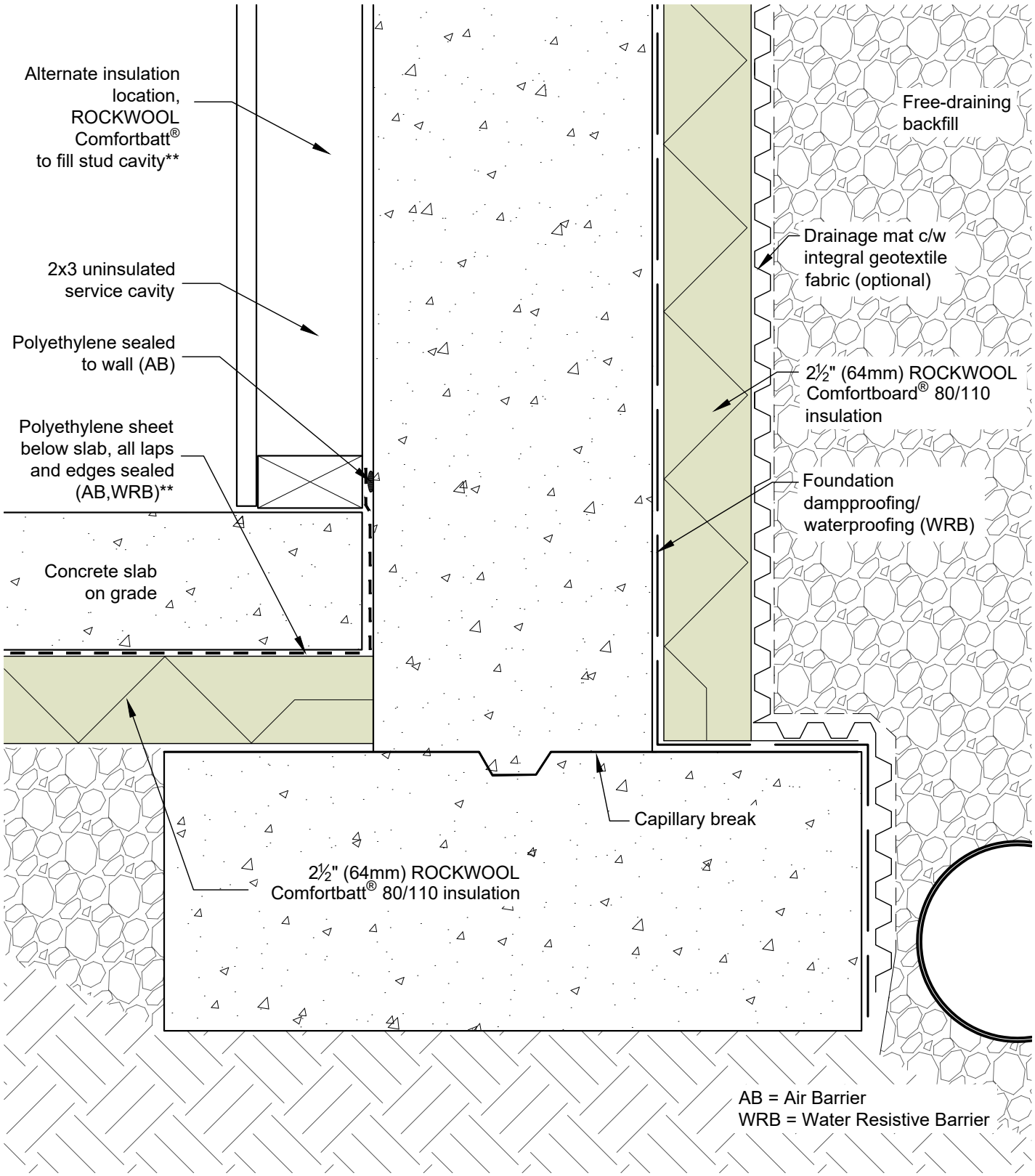

WOOD FRAME CONSTRUCTION UP TO 4 STOREYS - LIGHTWEIGHT HORIZONTAL CLADDING

ROCKWOOL®

DRAWING TITLE: FOUNDATION WALL AT FOOTING (BASEMENT)

DRAWING NO.: Detail 03

SCALE: 3" = 1'-0"

DATE: FEBRUARY 2025

February 12 2025 10:45 AM

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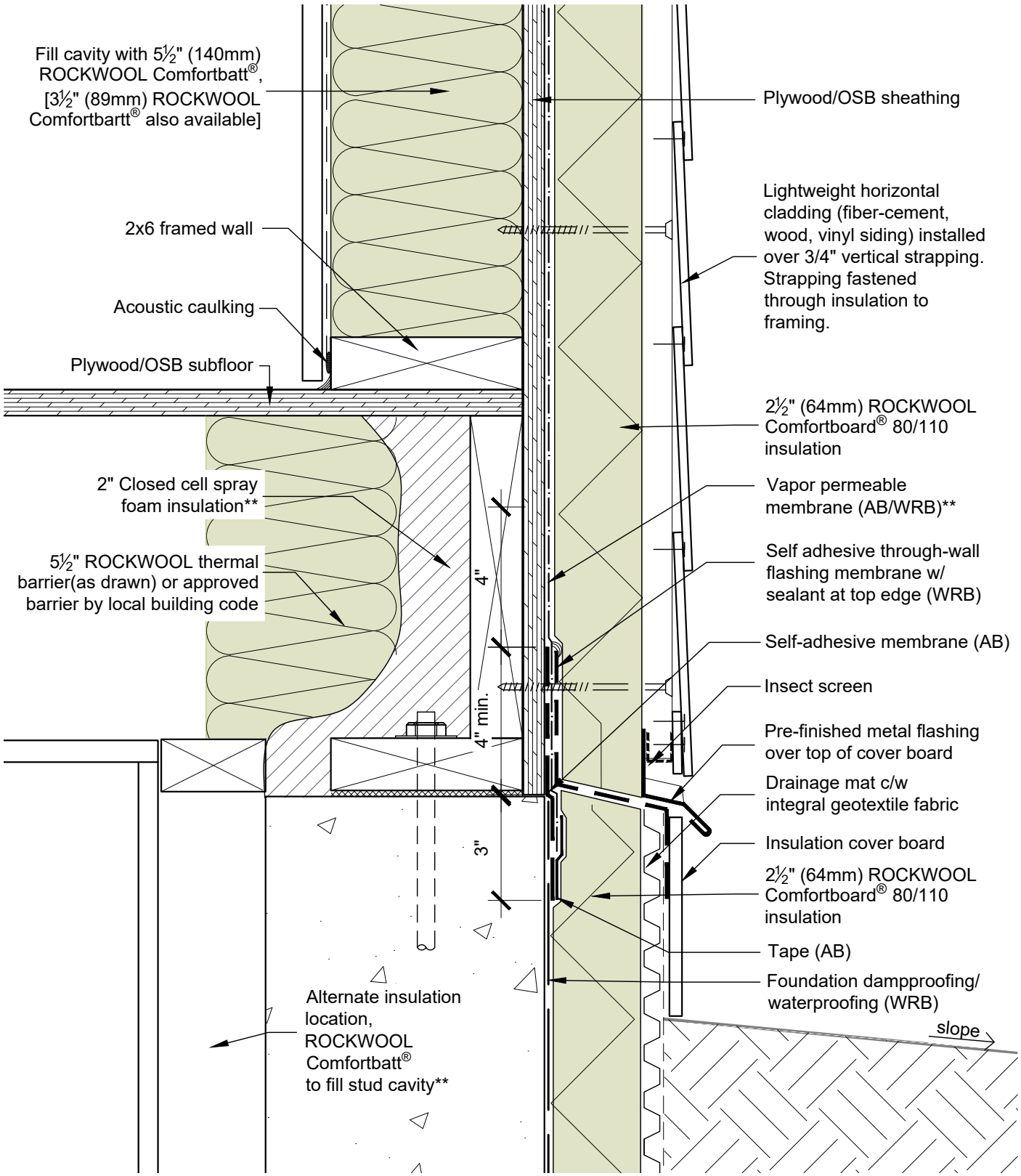

WOOD FRAME CONSTRUCTION UP TO 4 STOREYS - LIGHTWEIGHT HORIZONTAL CLADDING

ROCKWOOL®

DRAWING TITLE: TYPICAL WALL AT FOUNDATION WALL (BASEMENT)

DRAWING NO.: Detail 04

SCALE: 3" = 1'-0"

DATE: FEBRUARY 2025

February 12 2025 10:45 AM

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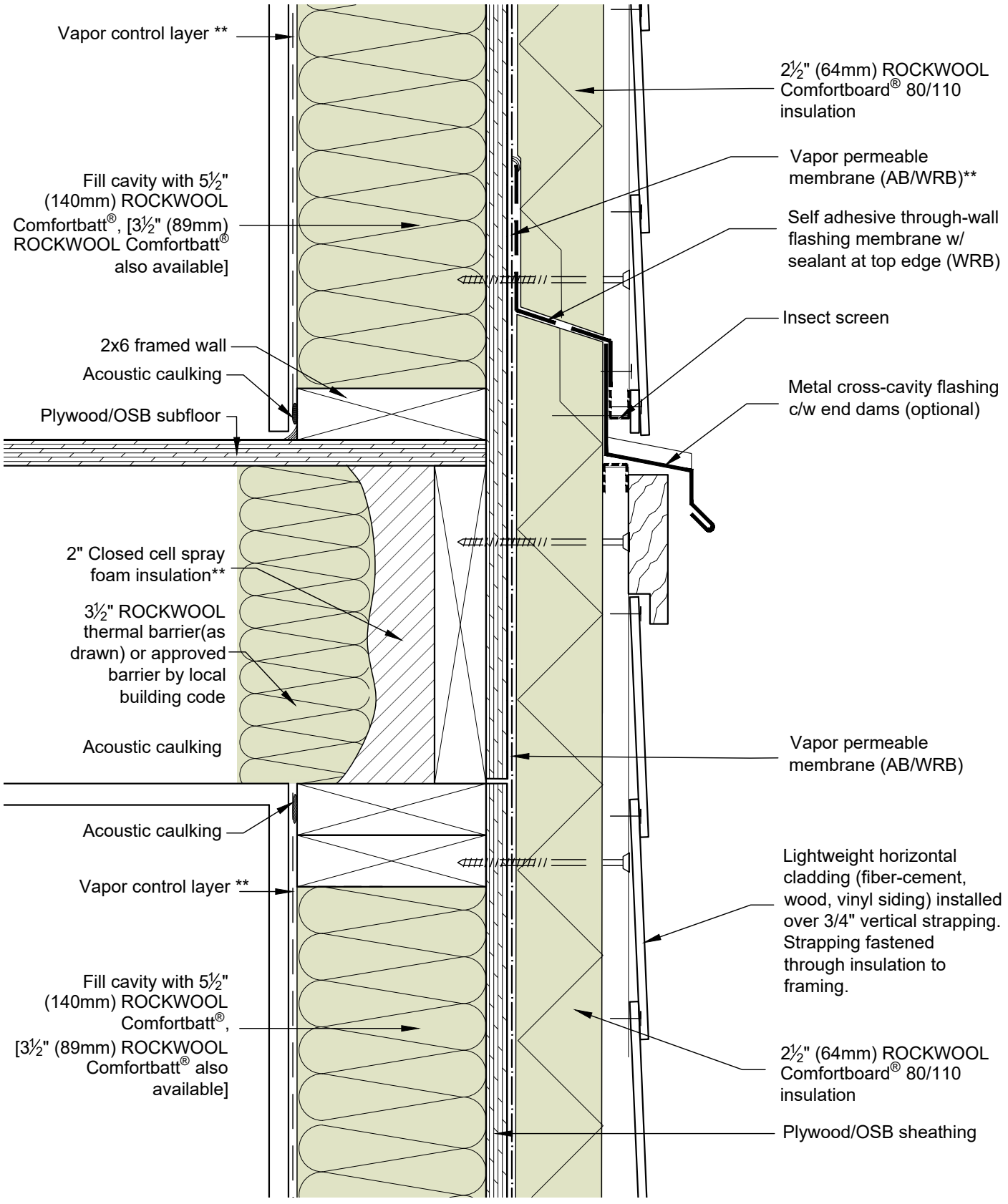

WOOD FRAME CONSTRUCTION UP TO 4 STOREYS - LIGHTWEIGHT HORIZONTAL CLADDING

ROCKWOOL®

DRAWING TITLE: TYPICAL WALL AT FLOOR

DRAWING NO.: Detail 05

SCALE: 3" = 1'-0"

DATE: FEBRUARY 2025

February 12 2025 10:45 AM

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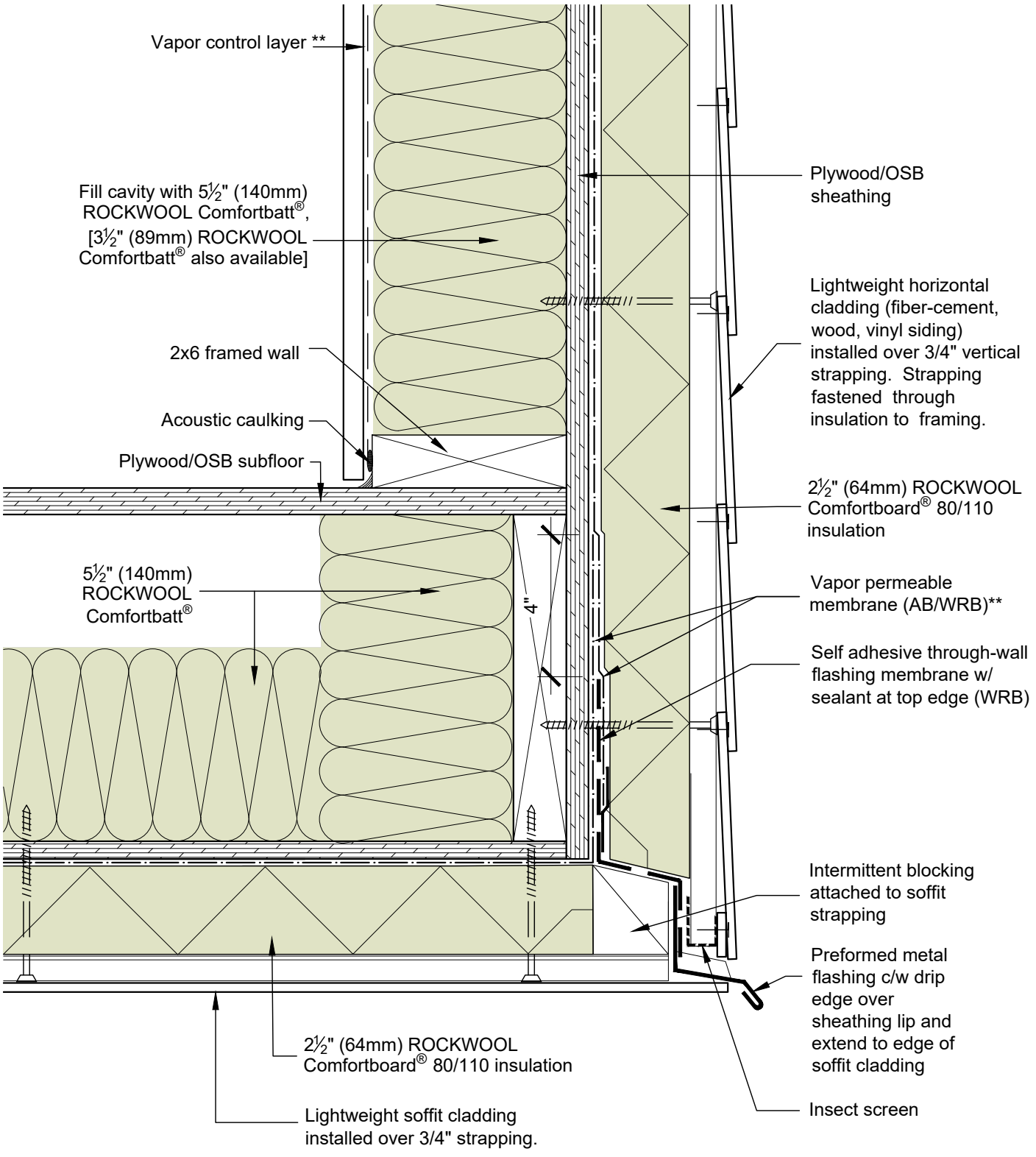
** Interior vapor control for cold climates shown. For further climate zone specific considerations for thermal, air and vapor control methodologies and requirements, please contact ROCKWOOL™ Building Science.



WOOD FRAME CONSTRUCTION UP TO 4 STOREYS - LIGHTWEIGHT HORIZONTAL CLADDING

ROCKWOOL®

DRAWING TITLE:

TYPICAL WALL AT CANTILEVERED FLOOR

DRAWING NO.: Detail 06

SCALE: 3" = 1'-0"

DATE: FEBRUARY 2025

February 12 2025 10:45 AM

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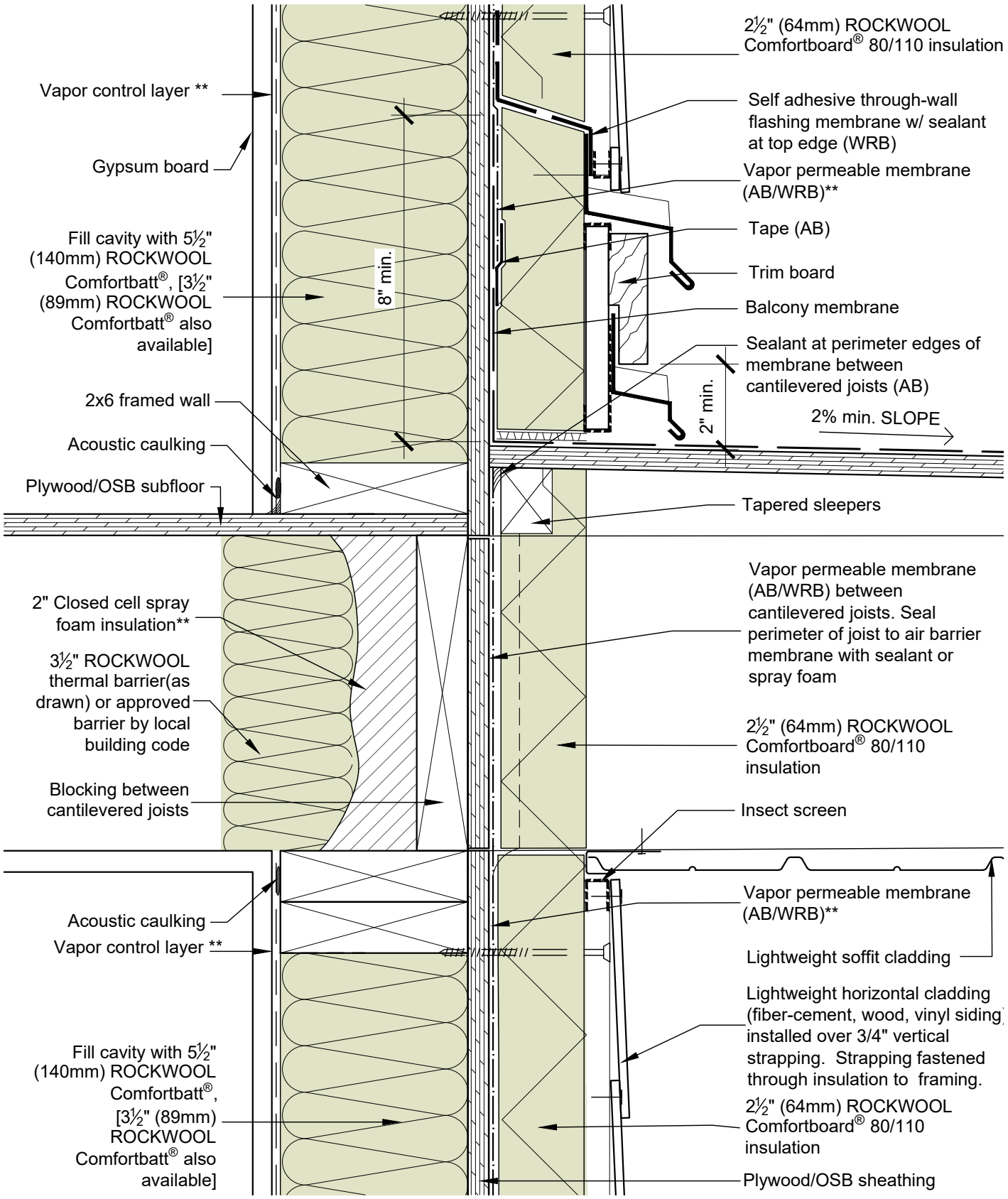

WOOD FRAME CONSTRUCTION UP TO 4 STOREYS - LIGHTWEIGHT HORIZONTAL CLADDING

ROCKWOOL®

DRAWING TITLE:

TYPICAL WALL AT CANTILEVERED BALCONY

DRAWING NO.: Detail 07

SCALE: 3" = 1'-0"

DATE: FEBRUARY 2025

February 12 2025 10:45 AM

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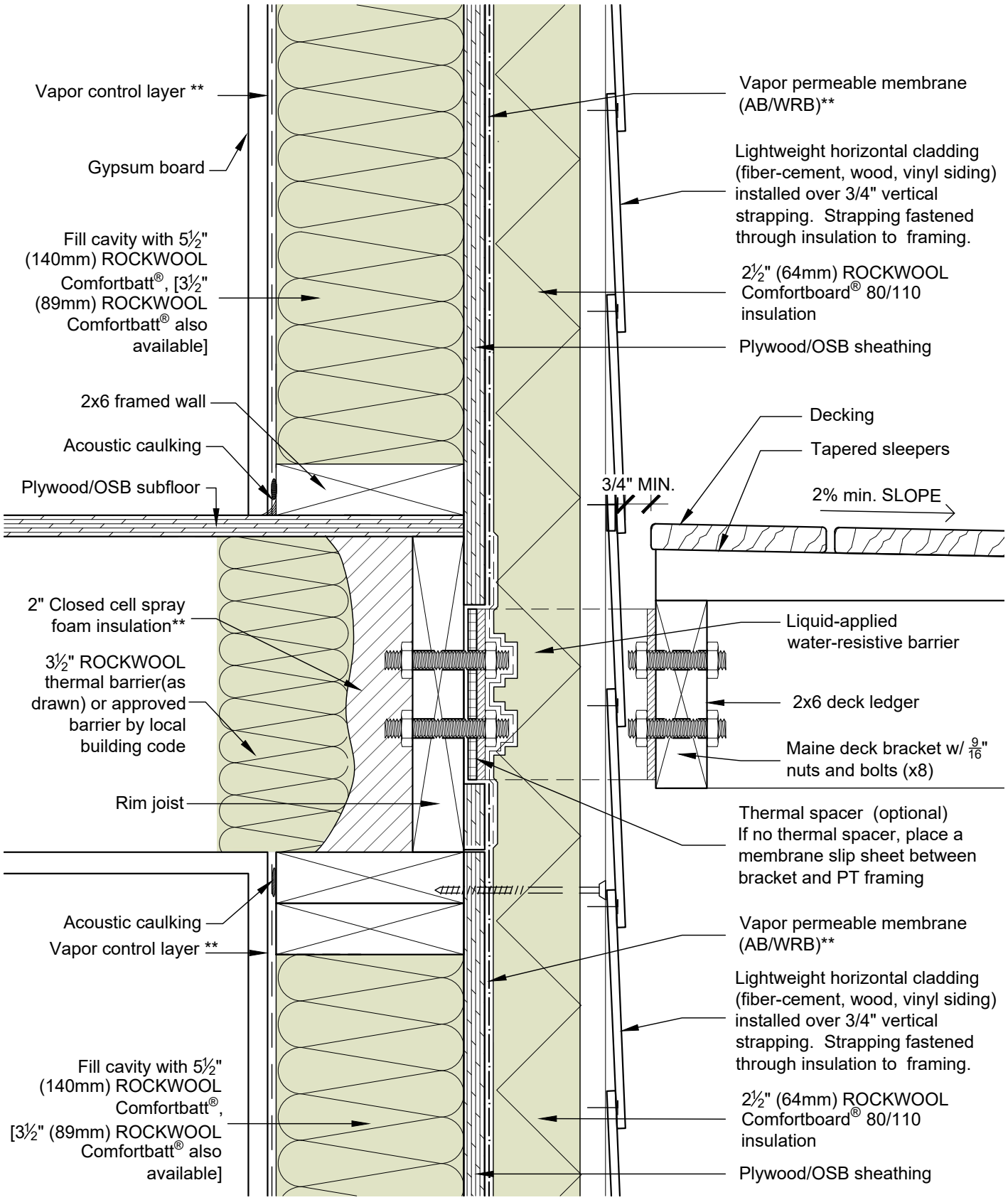

WOOD FRAME CONSTRUCTION UP TO 4 STOREYS - LIGHTWEIGHT HORIZONTAL CLADDING

ROCKWOOL®

DRAWING TITLE: TYPICAL WALL AT BALCONY (MAINE DECK BRACKET)

DRAWING NO.: Detail 08

SCALE: 3" = 1'-0"

DATE: FEBRUARY 2025

February 12 2025 10:44 AM

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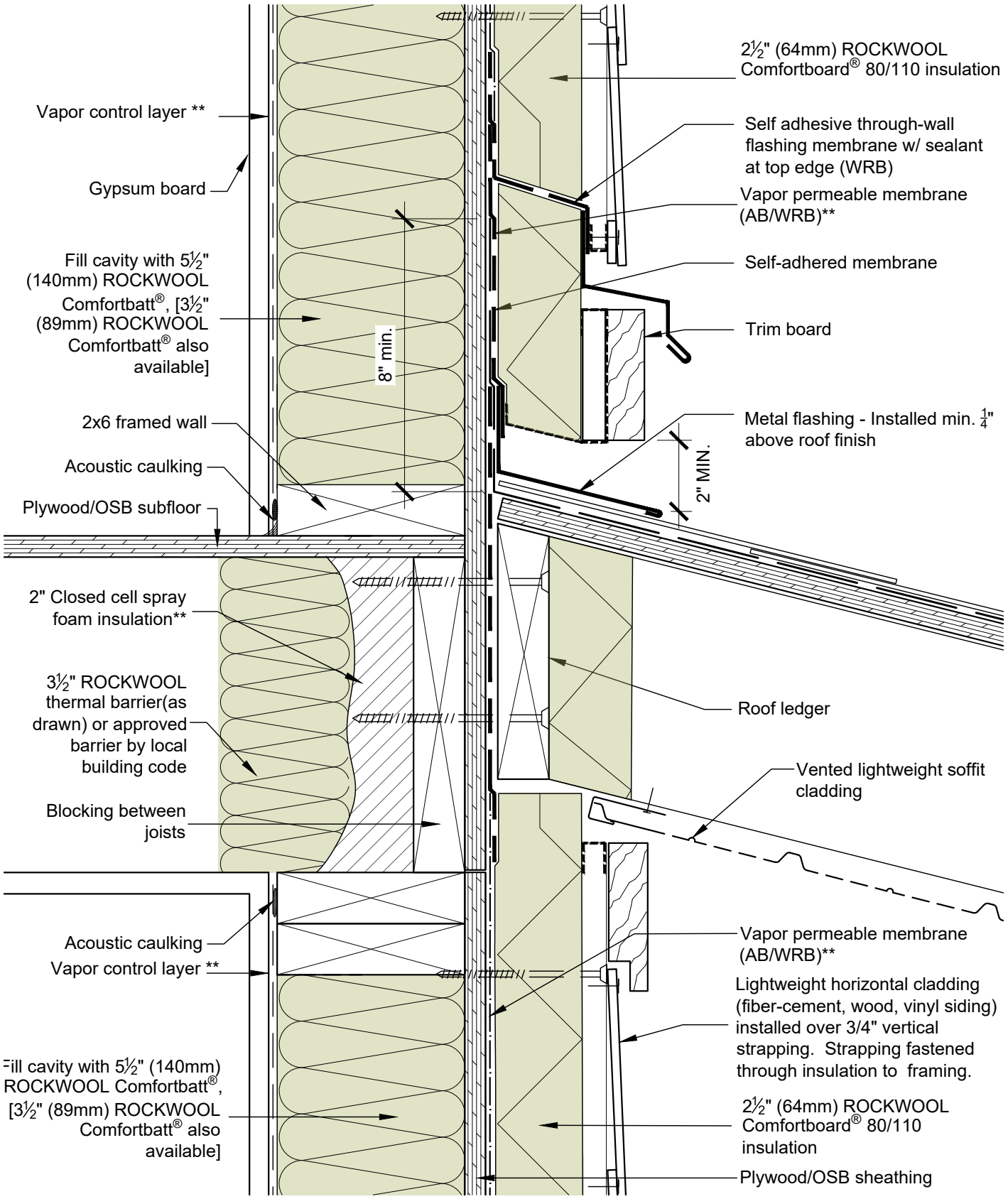

WOOD FRAME CONSTRUCTION UP TO 4 STOREYS - LIGHTWEIGHT HORIZONTAL CLADDING

ROCKWOOL®

DRAWING TITLE: TYPICAL WALL AT PORCH OVERHANG

DRAWING NO.: Detail 09

SCALE: 3" = 1'-0"

DATE: FEBRUARY 2025

February 12 2025 10:45 AM

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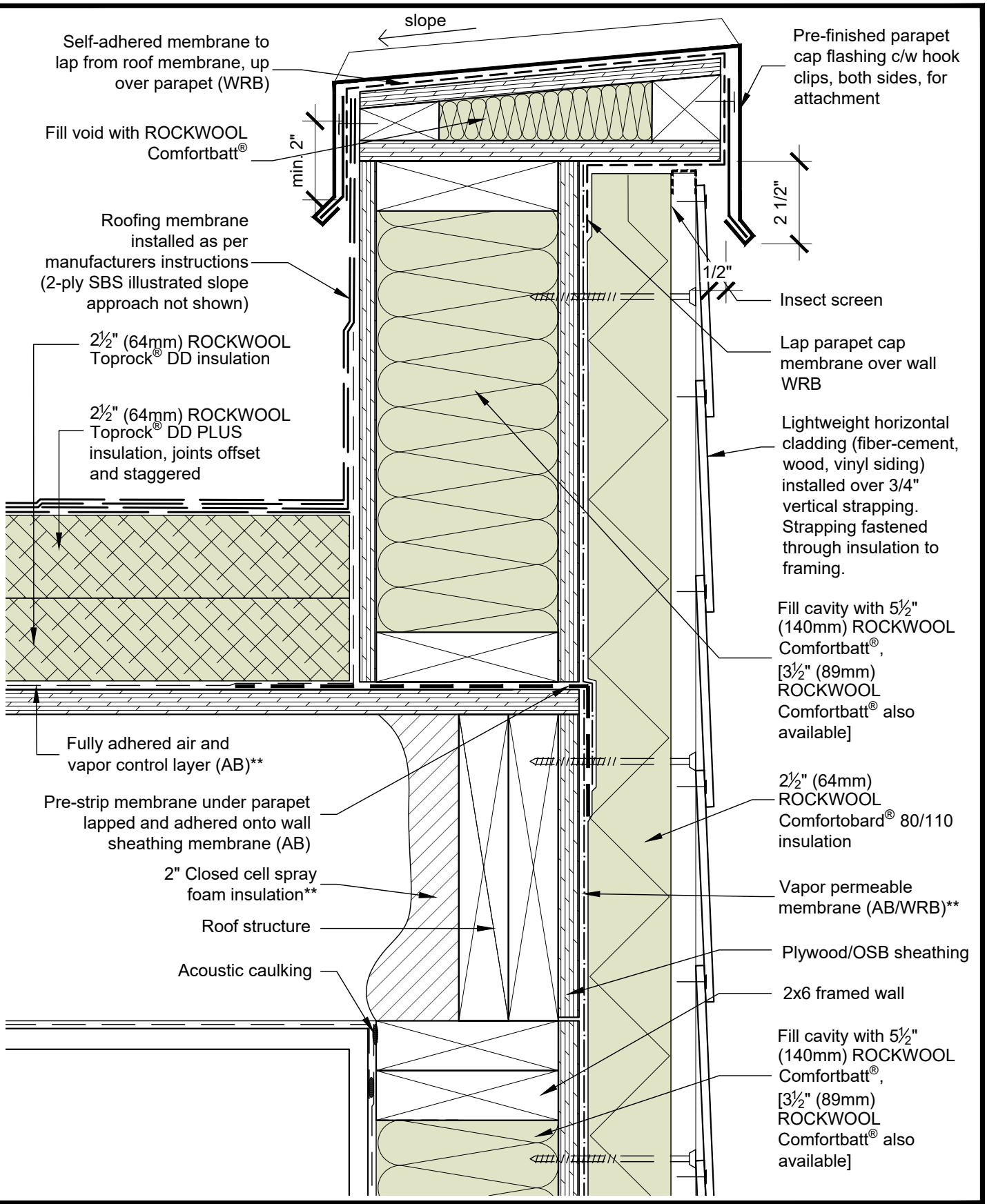

WOOD FRAME CONSTRUCTION UP TO 4 STOREYS - LIGHTWEIGHT HORIZONTAL CLADDING

ROCKWOOL®

DRAWING TITLE:

TYPICAL ROOF PARAPET AT LOW SLOPE ROOF

DRAWING NO.: Detail 10

SCALE: 3" = 1'-0"

DATE: FEBRUARY 2025

February 12 2025 10:46 AM

* For thermal performance of ROCKWOOL® products, please refer to ROCKWOOL® technical data sheets

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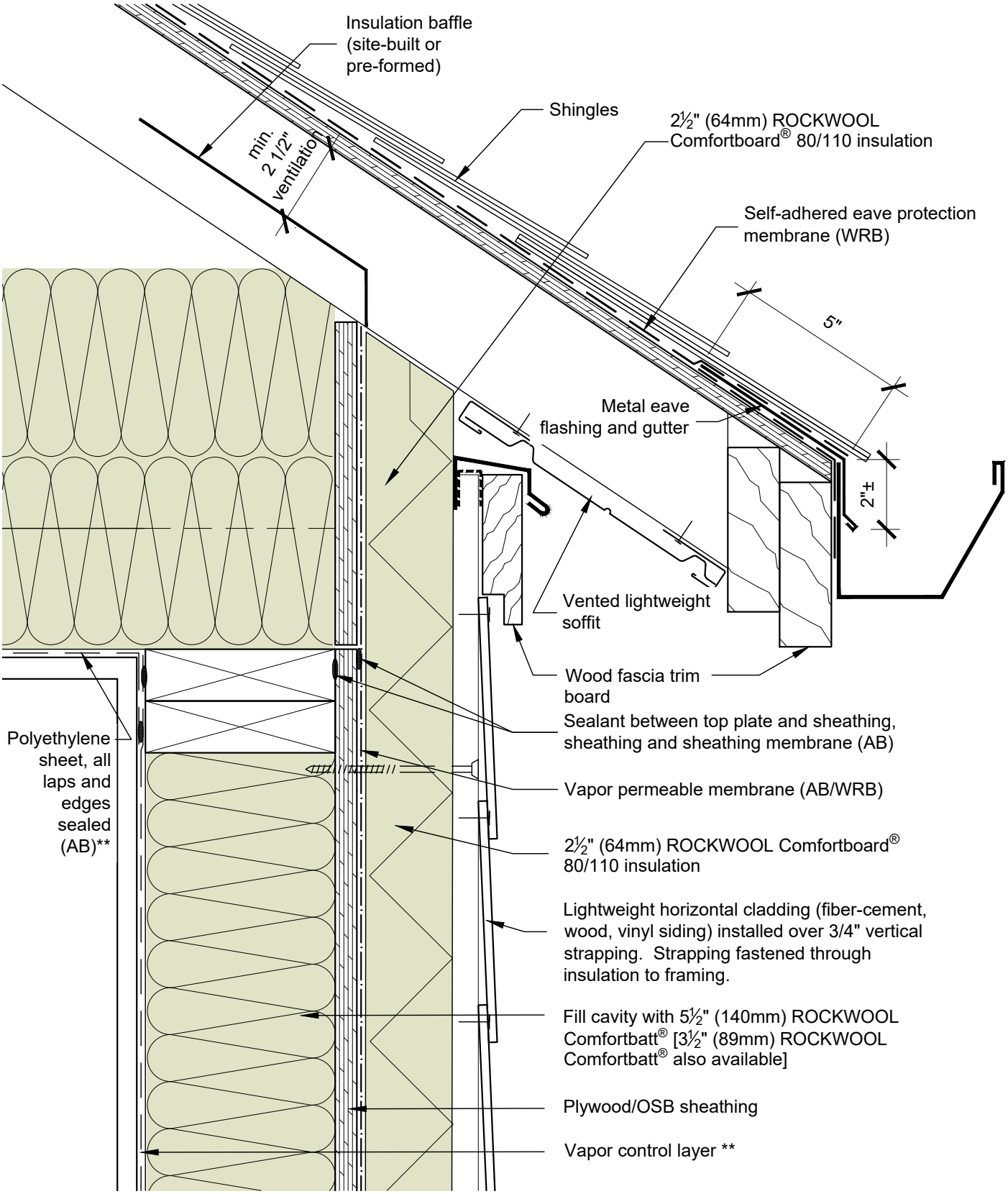

WOOD FRAME CONSTRUCTION UP TO 4 STOREYS - LIGHTWEIGHT HORIZONTAL CLADDING

ROCKWOOL®

DRAWING TITLE: TYPICAL SLOPE ROOF (ATTIC) AT EAVE #1

DRAWING NO.: Detail 11

SCALE: 3" = 1'-0"

DATE: FEBRUARY 2025

February 12 2025 10:45 AM

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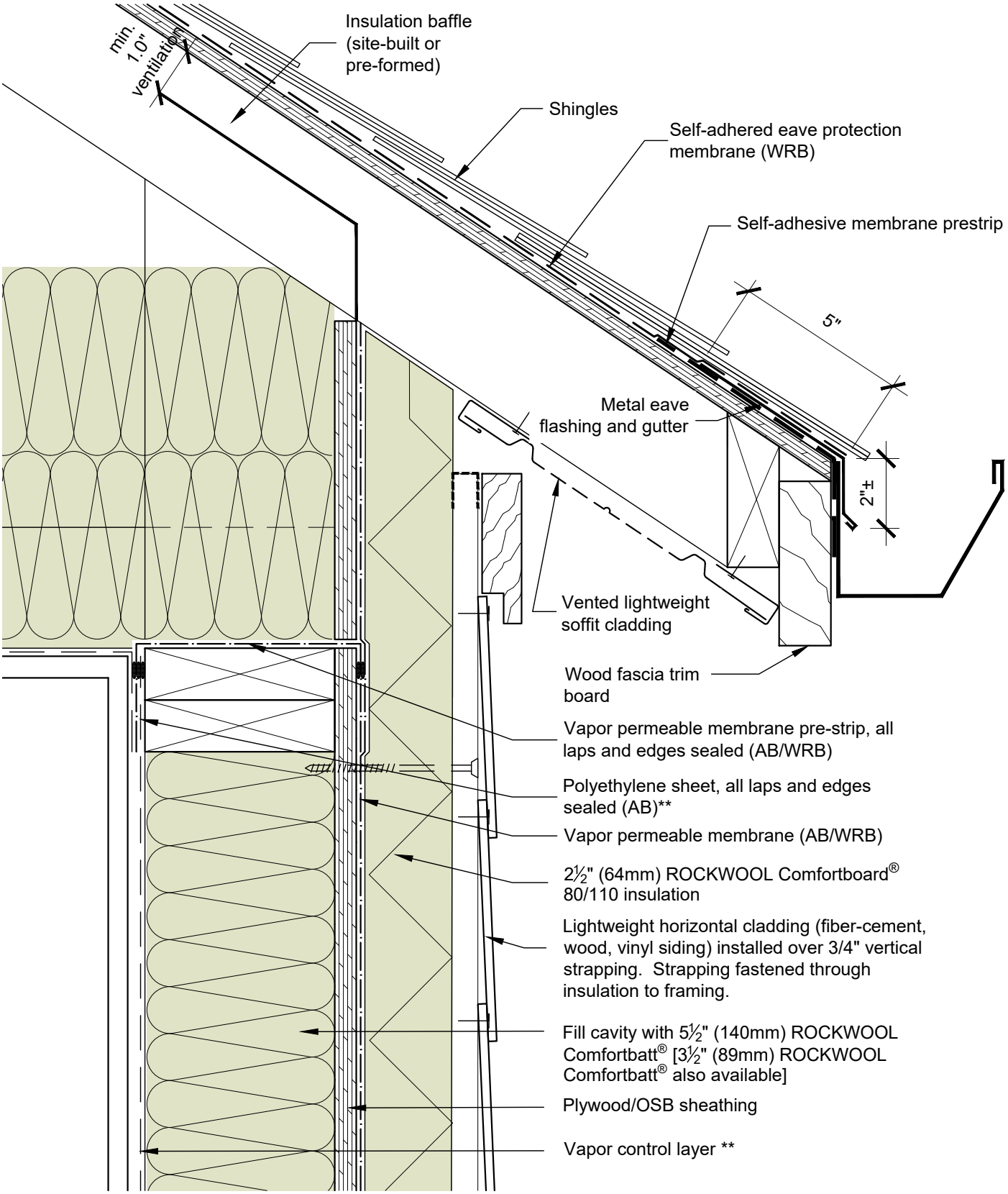

WOOD FRAME CONSTRUCTION UP TO 4 STOREYS - LIGHTWEIGHT HORIZONTAL CLADDING

ROCKWOOL®

DRAWING TITLE: TYPICAL SLOPE ROOF (ATTIC) AT EAVE #2

DRAWING NO.: Detail 12

SCALE: 3" = 1'-0"

DATE: FEBRUARY 2025

February 12 2025 10:45 AM

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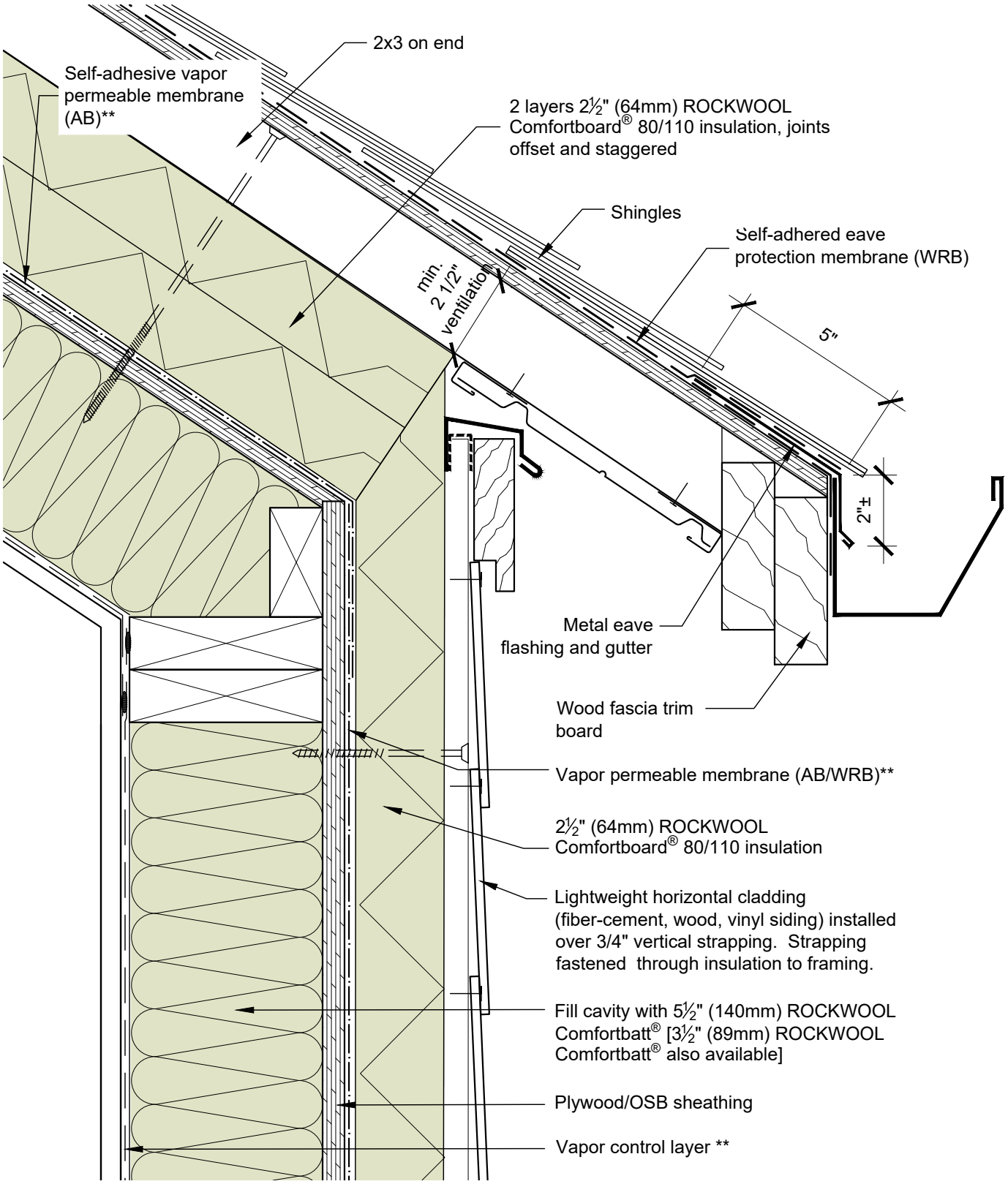

WOOD FRAME CONSTRUCTION UP TO 4 STOREYS - LIGHTWEIGHT HORIZONTAL CLADDING

ROCKWOOL®

DRAWING TITLE: TYPICAL SLOPE ROOF (CATHEDRAL) AT EAVE

DRAWING NO.: Detail 13

SCALE: 3" = 1'-0"

DATE: FEBRUARY 2025

February 12 2025 10:45 AM

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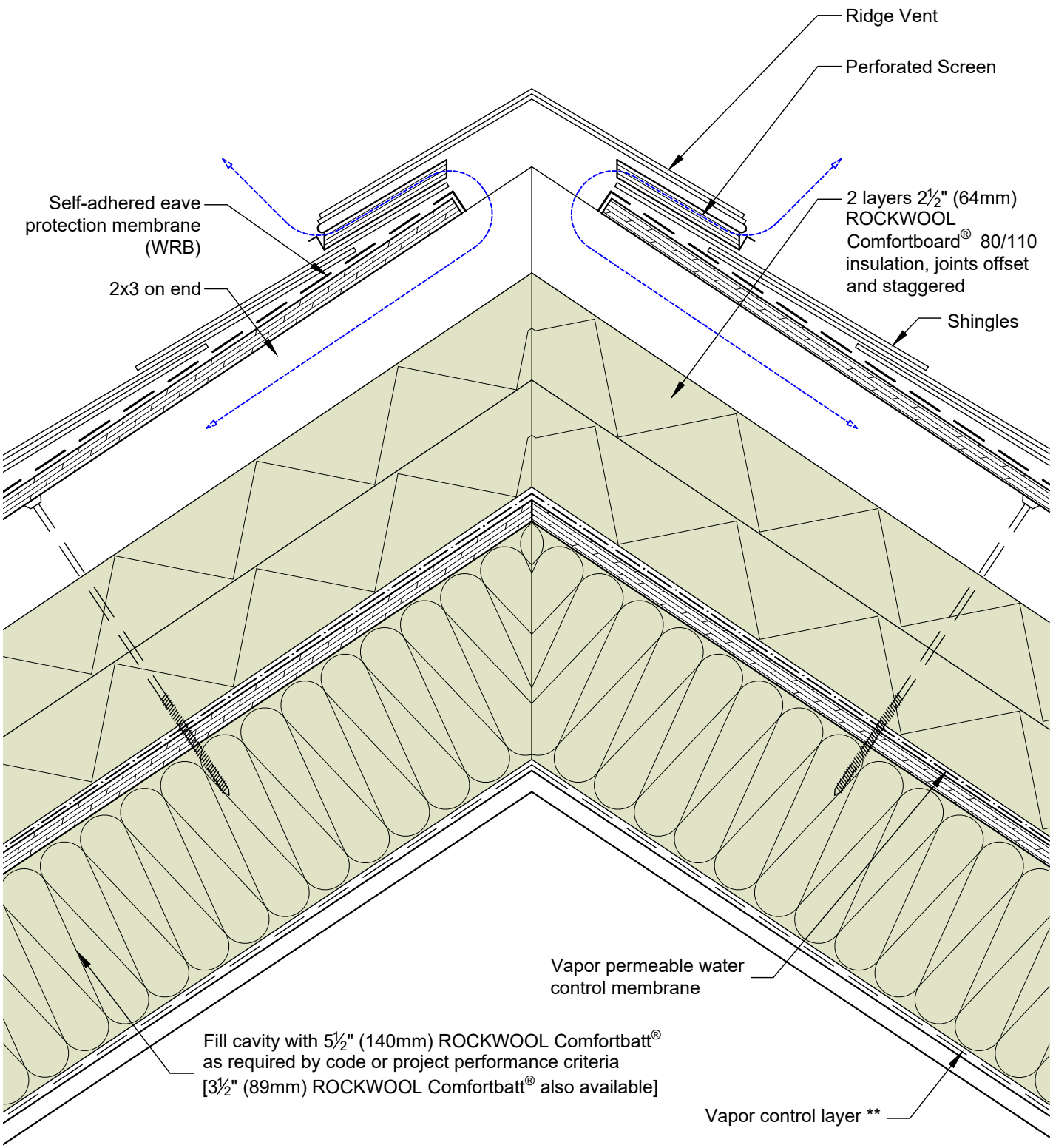

WOOD FRAME CONSTRUCTION UP TO 4 STOREYS - LIGHTWEIGHT HORIZONTAL CLADDING

ROCKWOOL®

DRAWING TITLE: TYPICAL SLOPE ROOF (CATHEDRAL) AT RIDGE

DRAWING NO.: Detail 14

SCALE: 3" = 1'-0"

DATE: FEBRUARY 2025

February 12 2025 10:45 AM

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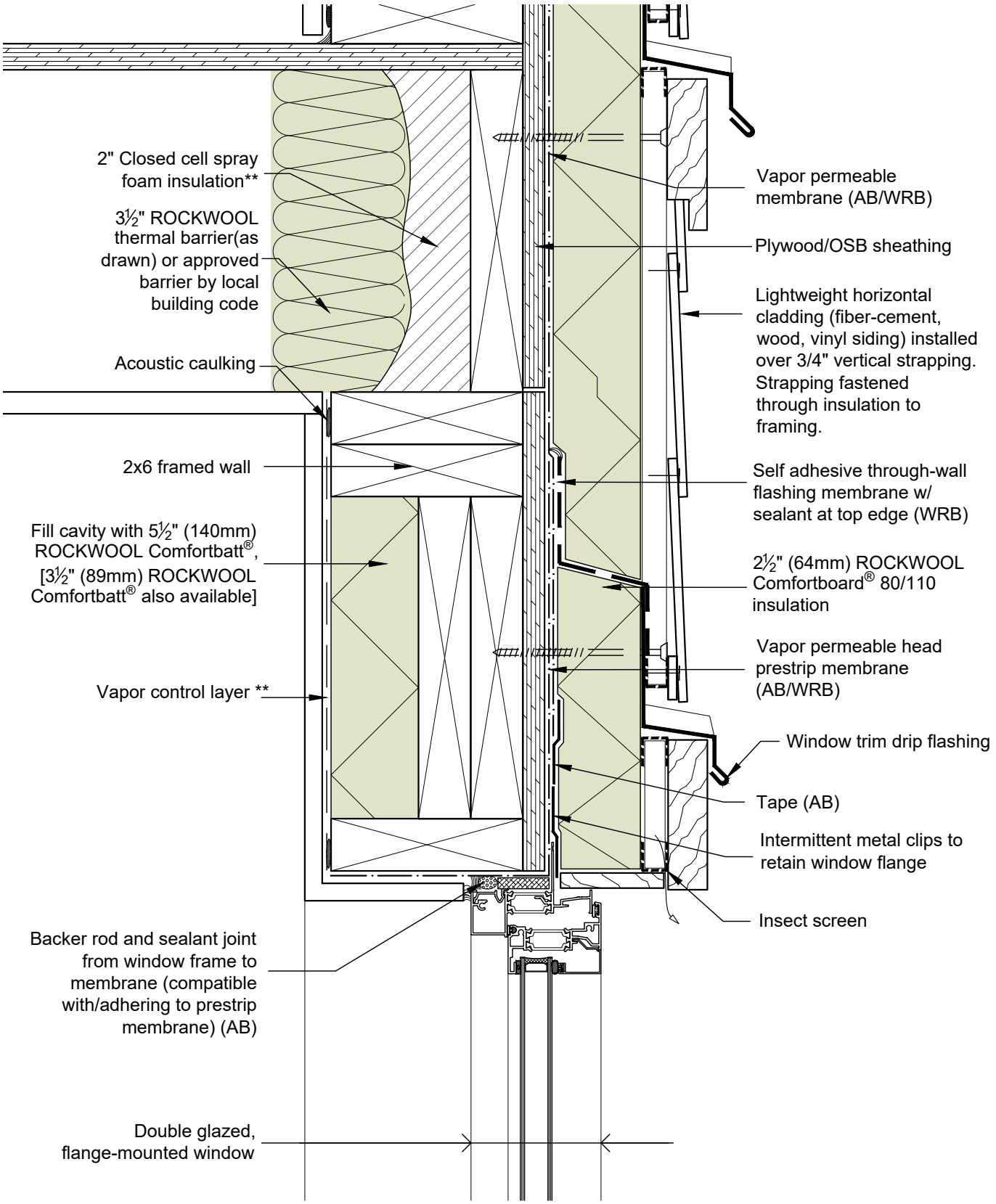

WOOD FRAME CONSTRUCTION UP TO 4 STOREYS - LIGHTWEIGHT HORIZONTAL CLADDING

ROCKWOOL®

DRAWING TITLE:

TYPICAL FLANGE-MOUNTED WINDOW HEAD

DRAWING NO.: Detail 15

SCALE: 3" = 1'-0"

DATE: FEBRUARY 2025

February 12 2025 10:45 AM

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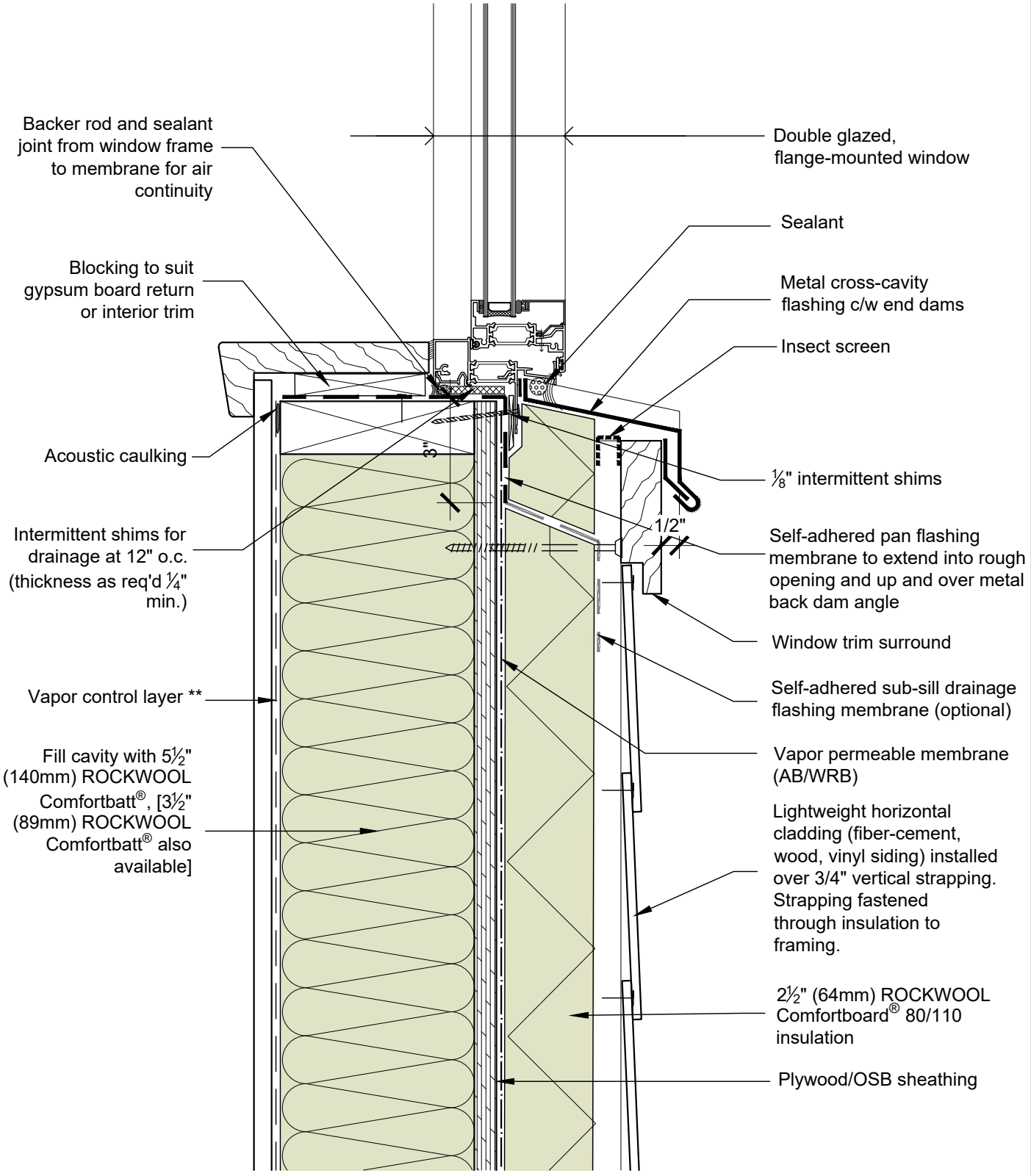

WOOD FRAME CONSTRUCTION UP TO 4 STOREYS - LIGHTWEIGHT HORIZONTAL CLADDING

ROCKWOOL®

DRAWING TITLE:

TYPICAL FLANGE-MOUNTED WINDOW SILL

DRAWING NO.: Detail 16

SCALE: 3" = 1'-0"

DATE: FEBRUARY 2025

February 12 2025 10:45 AM

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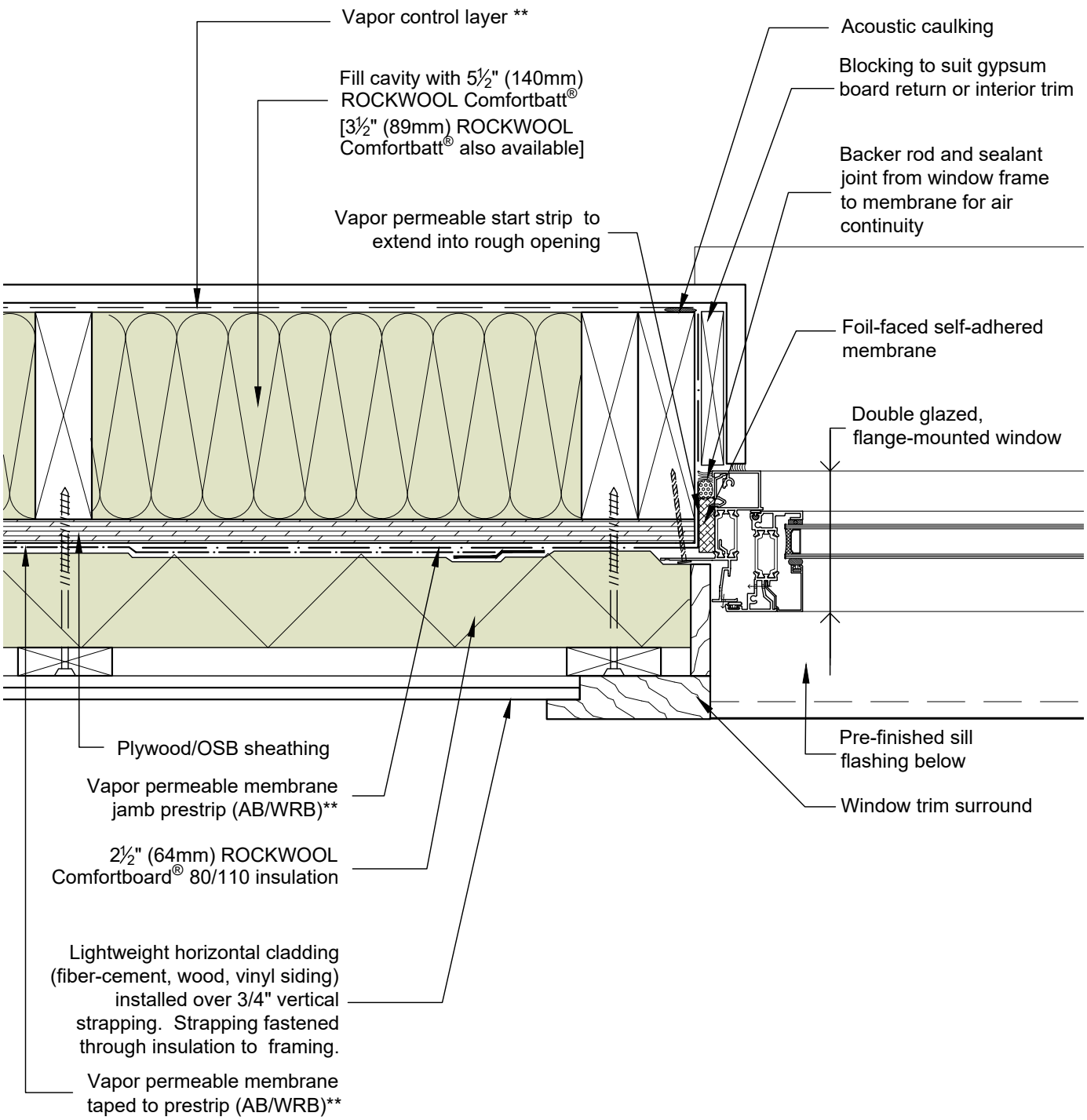

WOOD FRAME CONSTRUCTION UP TO 4 STOREYS - LIGHTWEIGHT HORIZONTAL CLADDING

ROCKWOOL®

DRAWING TITLE: TYPICAL FLANGE-MOUNTED WINDOW JAMB

DRAWING NO.: Detail 17

SCALE: 3" = 1'-0"

DATE: FEBRUARY 2025

February 12 2025 10:45 AM

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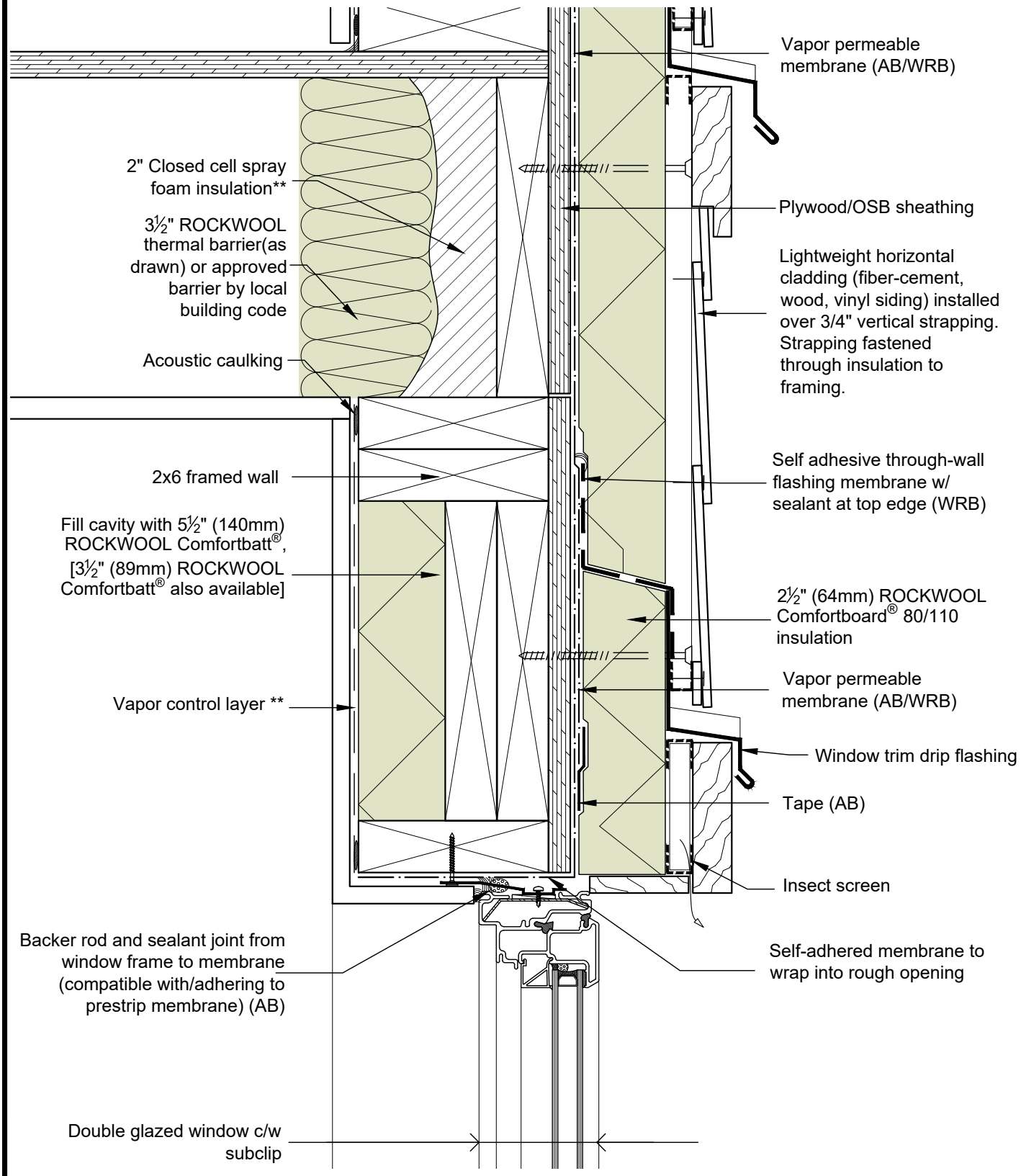

WOOD FRAME CONSTRUCTION UP TO 4 STOREYS - LIGHTWEIGHT HORIZONTAL CLADDING

ROCKWOOL®

DRAWING TITLE:

TYPICAL FLANGELESS WINDOW HEAD

DRAWING NO.: Detail 18

SCALE: 3" = 1'-0"

DATE: FEBRUARY 2025

February 12 2025 10:45 AM

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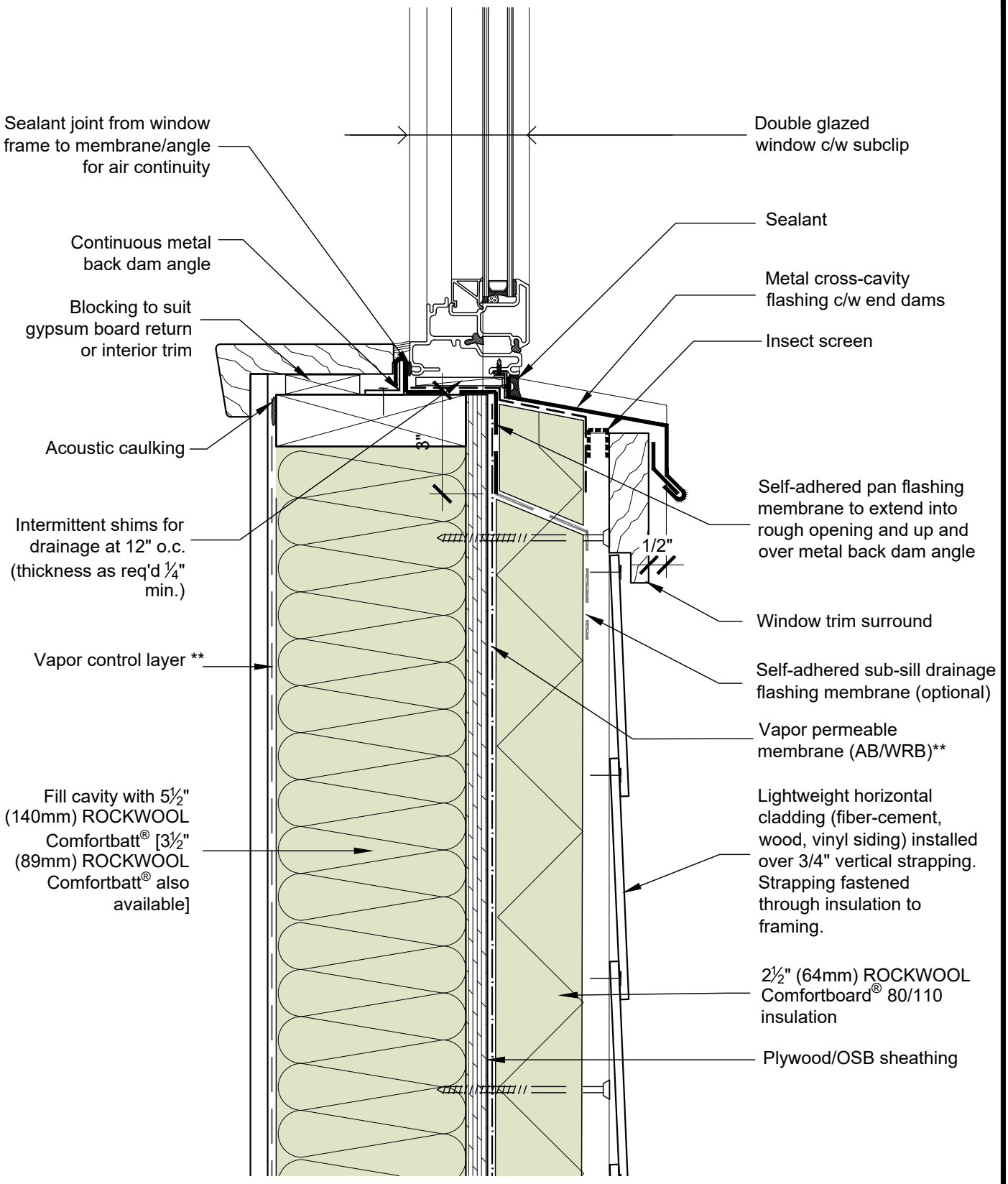

WOOD FRAME CONSTRUCTION UP TO 4 STOREYS - LIGHTWEIGHT HORIZONTAL CLADDING

ROCKWOOL®

DRAWING TITLE:

TYPICAL FLANGELESS WINDOW SILL

DRAWING NO.: Detail 19

SCALE: 3" = 1'-0"

DATE: FEBRUARY 2025

February 12 2025 10:45 AM

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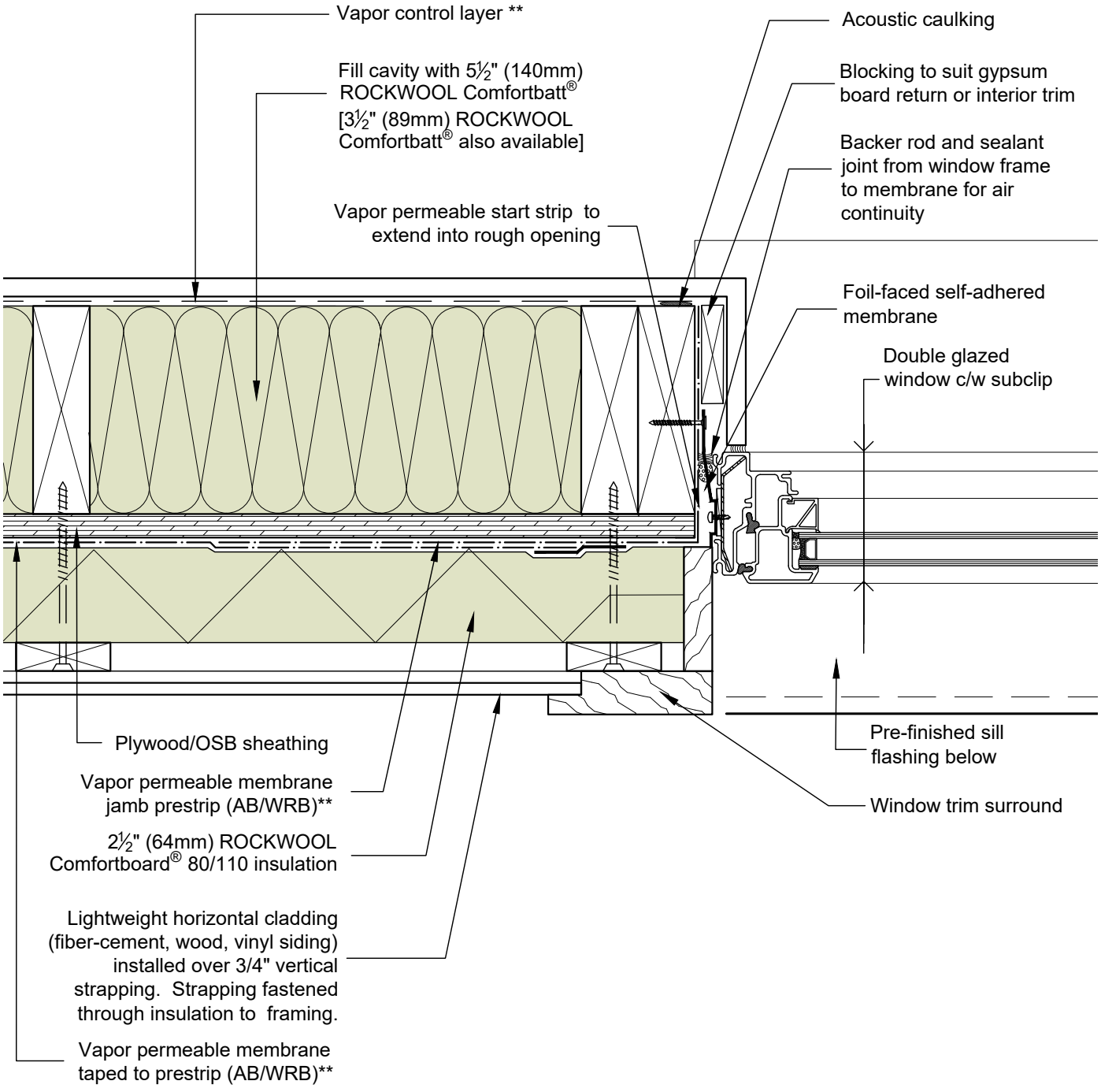

WOOD FRAME CONSTRUCTION UP TO 4 STOREYS - LIGHTWEIGHT HORIZONTAL CLADDING

ROCKWOOL®

DRAWING TITLE:

TYPICAL FLANGELESS WINDOW JAMB

DRAWING NO.: Detail 20

SCALE: 3" = 1'-0"

DATE: FEBRUARY 2025

February 12 2025 10:45 AM

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