Commercial Steel Frame Construction up to 4 Storeys: Heavyweight Cladding.

Intended Use of this Document

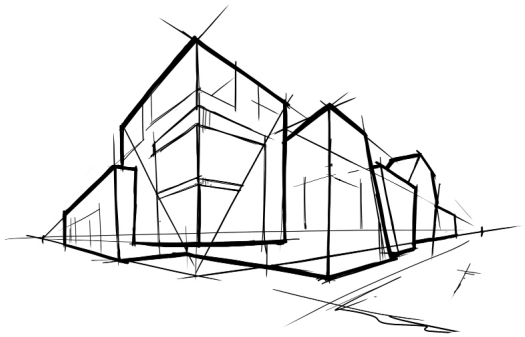
This document provides example key assembly interface details showing the use of ROCKWOOL™ products within a split-insulated wall assembly for commercial buildings up to 4 stories.

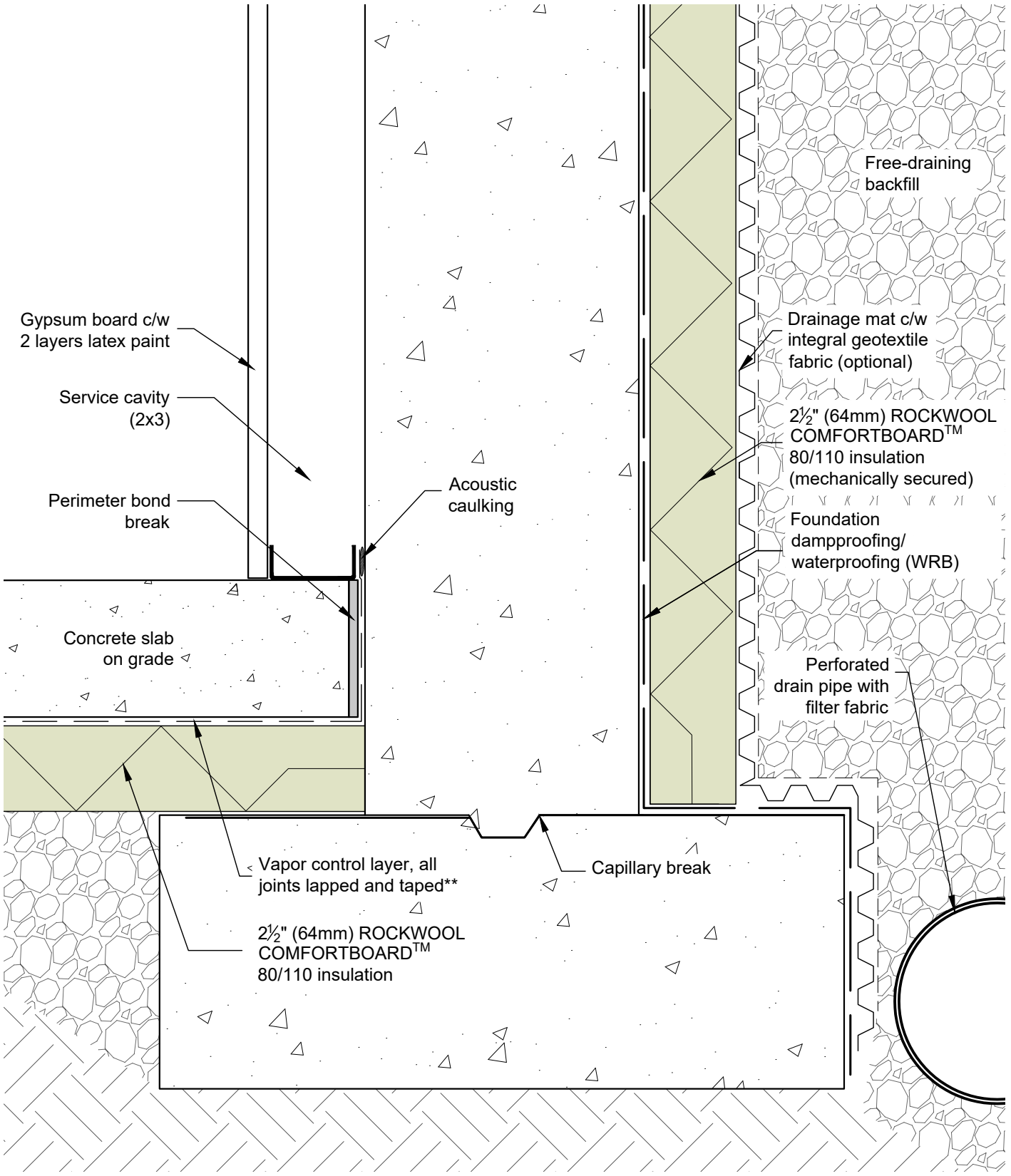
The example details could be modified for other building types or applications. The intended use has been limited to 4 stories for the sole purpose of creating boundaries around the detail development. The example details are designed to be generally applicable across North America; however, specific 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.





COMMERCIAL STEEL FRAME CONSTRUCTION UP TO 4 STOREYS - HEAVYWEIGHT CLADDING

ROCKWOOL™

DRAWING TITLE: TYPICAL FOUNDATION WALL AT FOOTING

DRAWING NO.: Detail 01

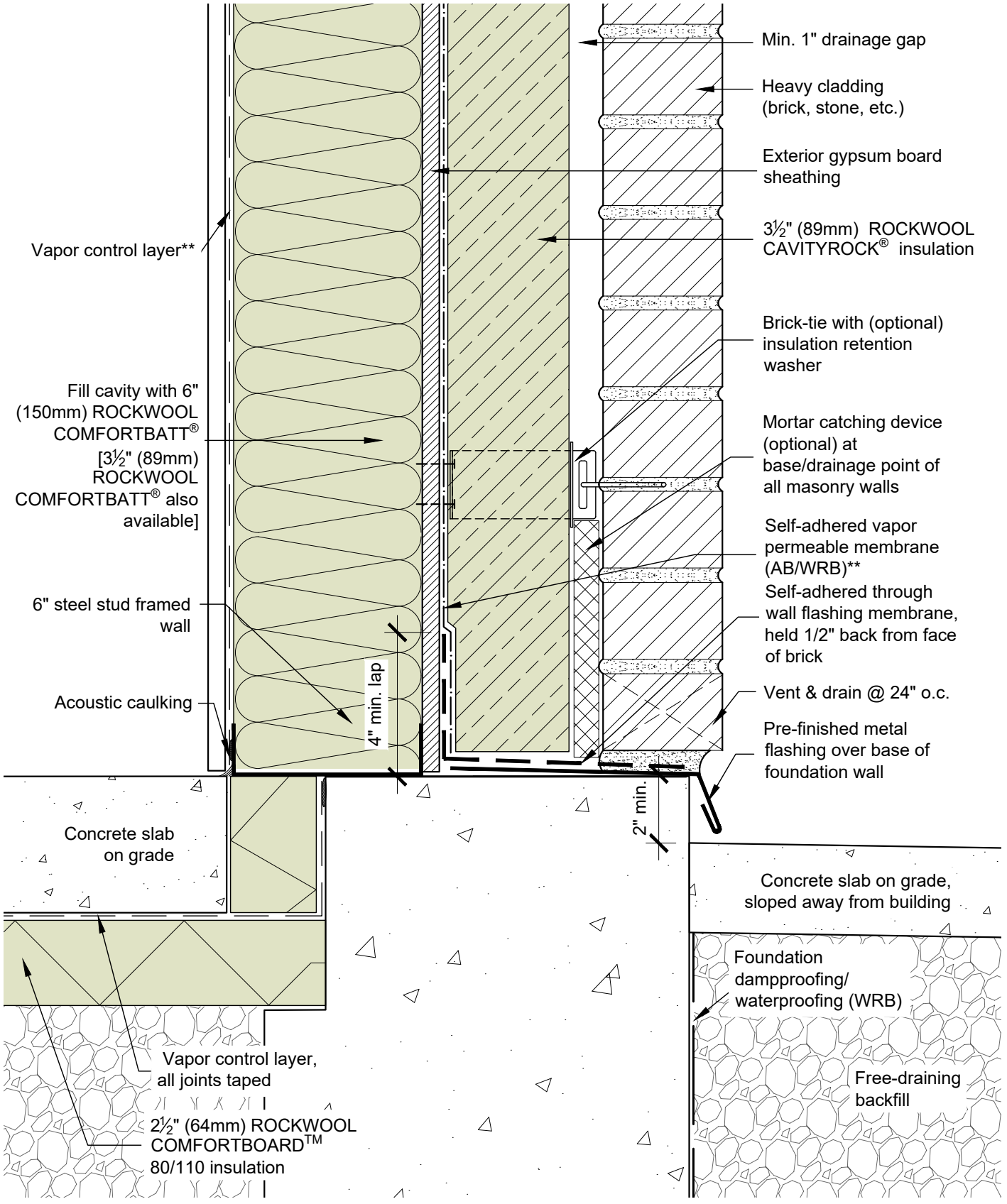
SCALE: 3" = 1'-0"

DATE: JUNE 2020

June 08 2020 6:22 PM

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

** For climate zone specific considerations for thermal, air and vapor control layer properties and requirements, please contact ROCKWOOL™ Building Science for support.



COMMERCIAL STEEL FRAME CONSTRUCTION UP TO 4 STOREYS - HEAVYWEIGHT CLADDING

ROCKWOOL™

DRAWING TITLE: TYPICAL WALL AT SLAB-ON-GRADE

DRAWING NO.: Detail 02

SCALE: 3" = 1'-0"

DATE: JUNE 2020

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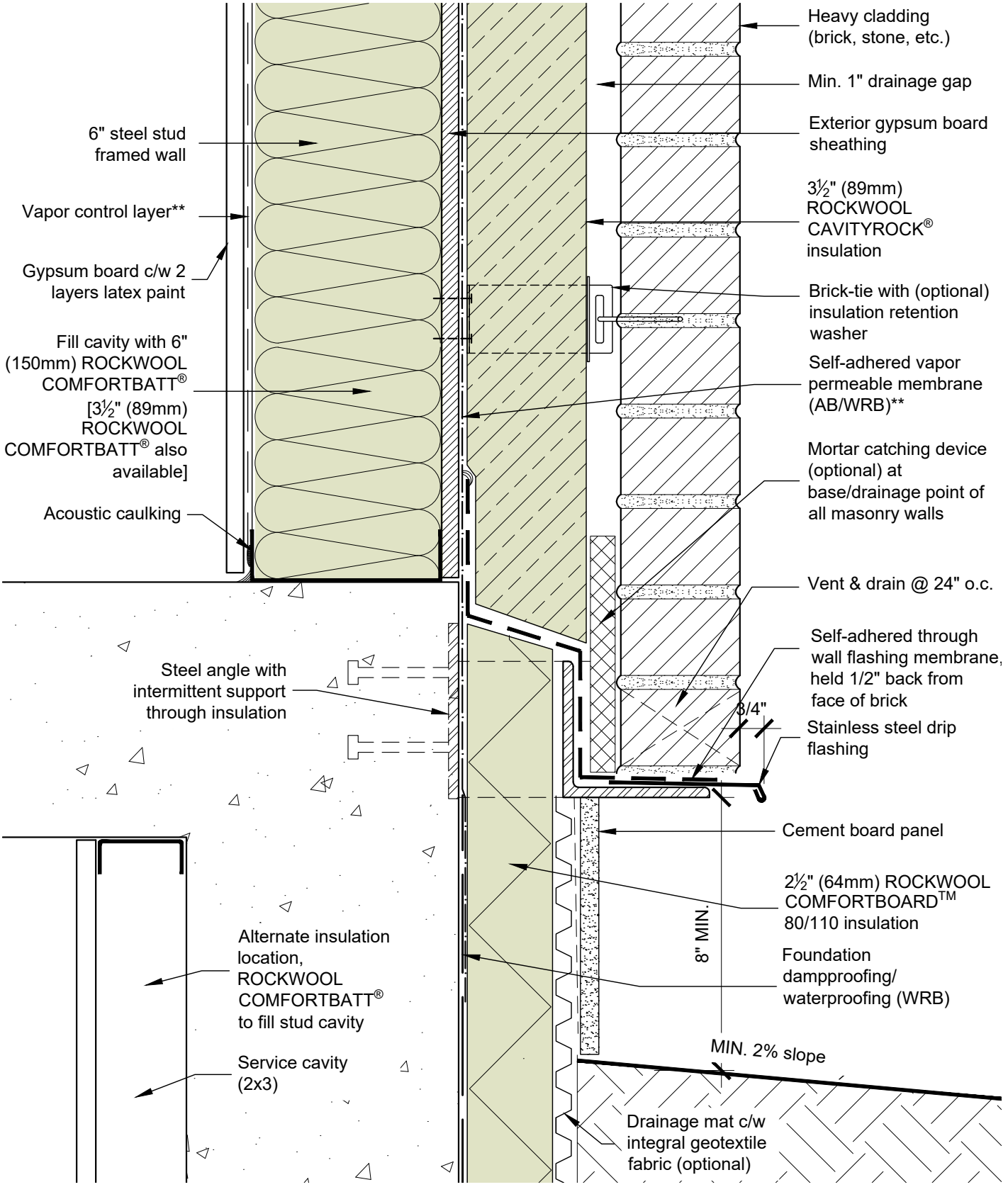

COMMERCIAL STEEL FRAME CONSTRUCTION UP TO 4 STOREYS - HEAVYWEIGHT CLADDING

ROCKWOOL™

DRAWING TITLE: TYPICAL BASE OF BRICK WALL AT FOUNDATION

DRAWING NO.: Detail 03

SCALE: 3" = 1'-0"

DATE: JUNE 2020

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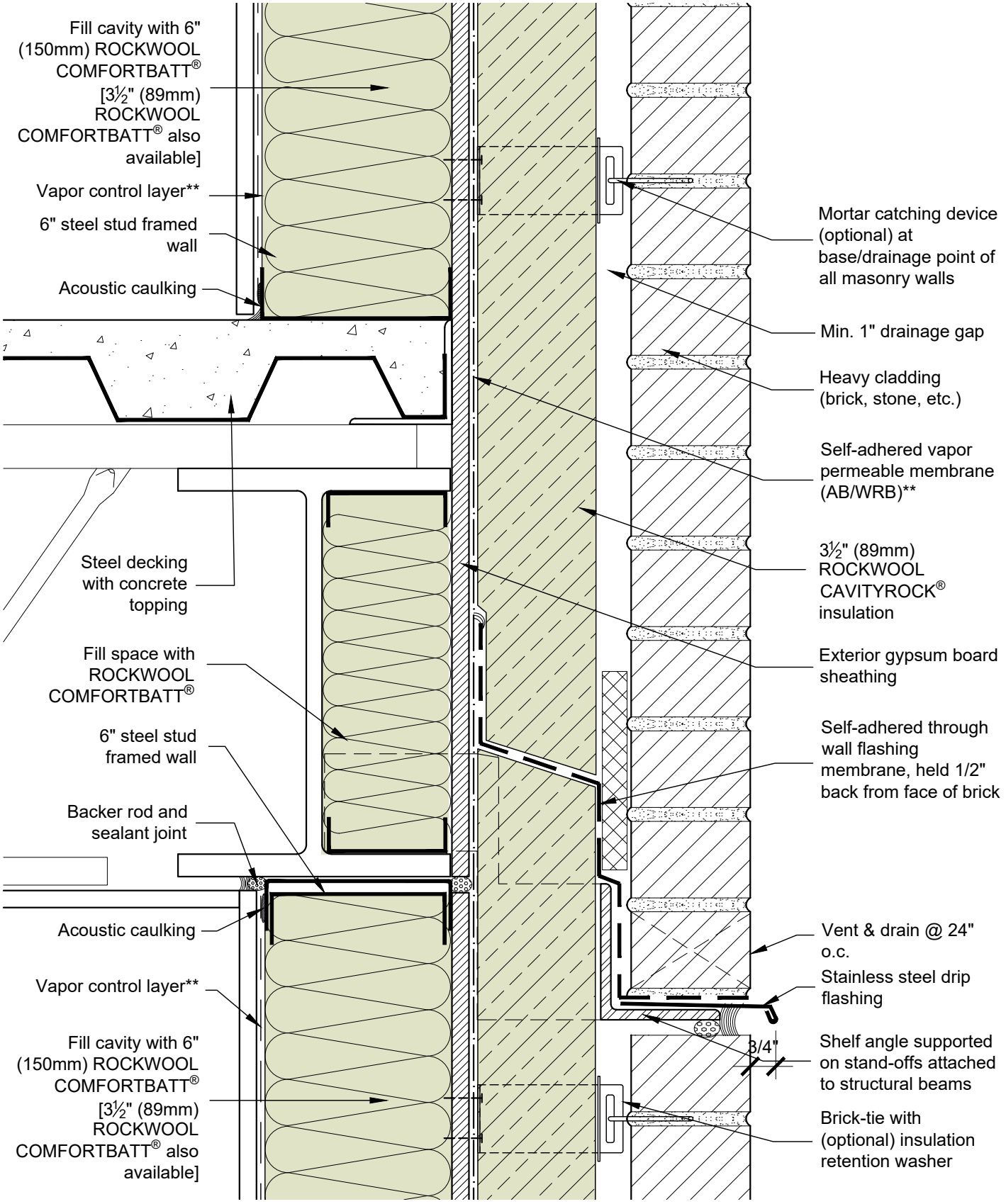

COMMERCIAL STEEL FRAME CONSTRUCTION UP TO 4 STOREYS - HEAVYWEIGHT CLADDING

ROCKWOOL™

DRAWING TITLE: TYPICAL BRICK SHELF ANGLE AT STUD WALL

DRAWING NO.: Detail 04

SCALE: 3" = 1'-0"

DATE: JUNE 2020

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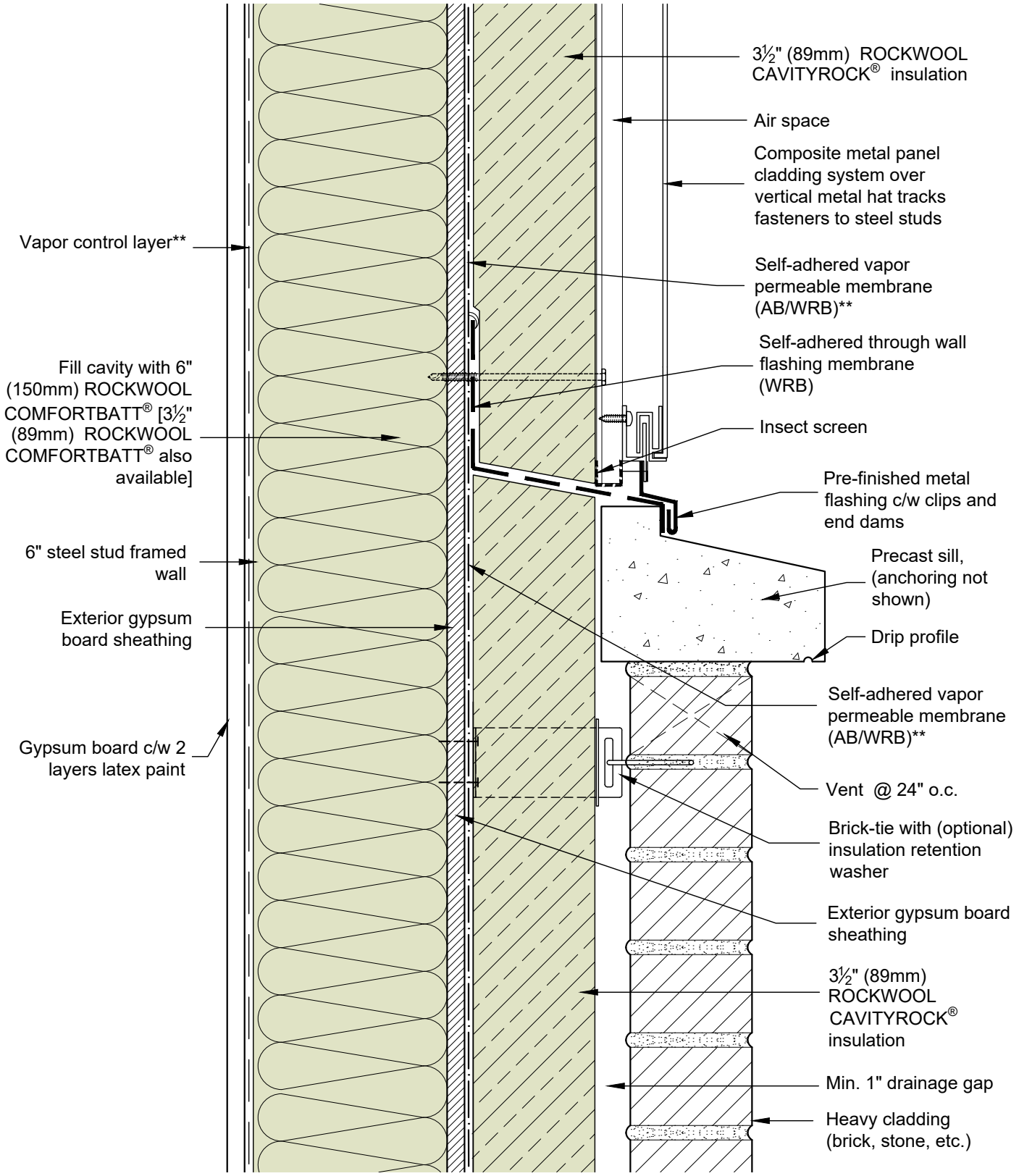

COMMERCIAL STEEL FRAME CONSTRUCTION UP TO 4 STOREYS - HEAVYWEIGHT CLADDING

ROCKWOOL™

DRAWING TITLE:

TYPICAL BRICK TO CLADDING TRANSITION

DRAWING NO.: Detail 05

SCALE: 3" = 1'-0"

DATE: JUNE 2020

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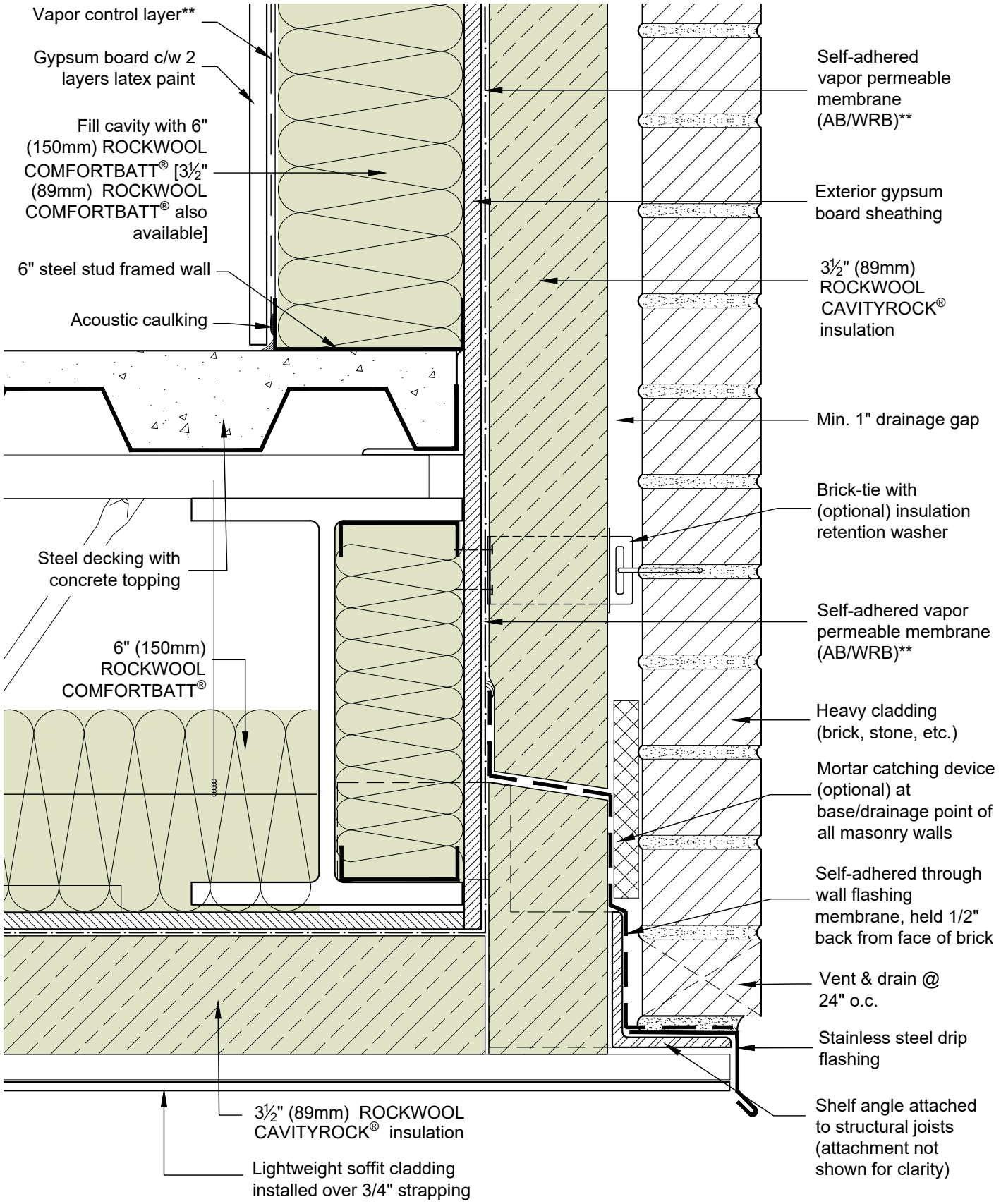

COMMERCIAL STEEL FRAME CONSTRUCTION UP TO 4 STOREYS - HEAVYWEIGHT CLADDING

ROCKWOOL™

DRAWING TITLE:

TYPICAL WALL AT CANTILEVER FLOOR SECTION

DRAWING NO.: Detail 06

SCALE: 3" = 1'-0"

DATE: JUNE 2020

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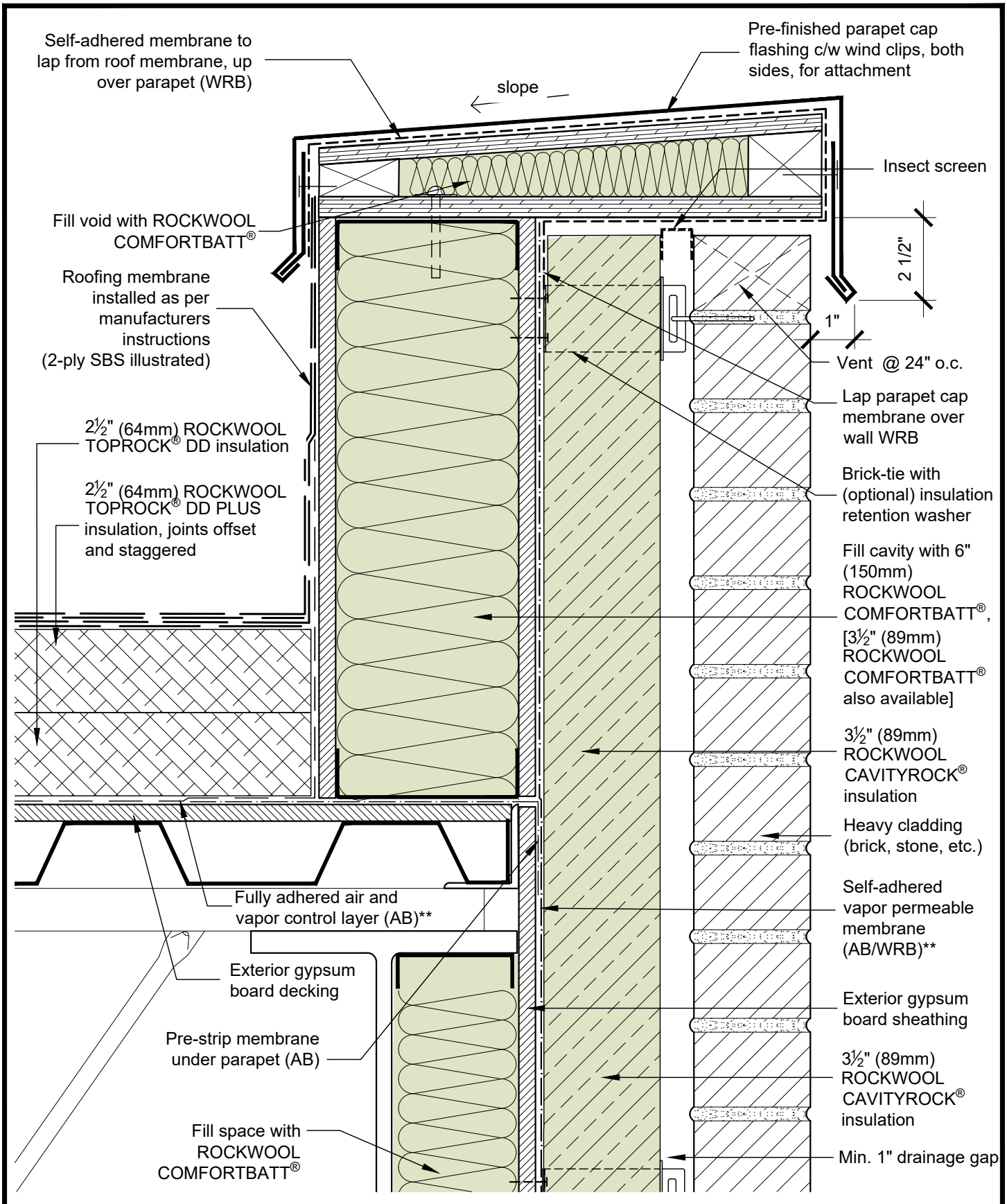

COMMERCIAL STEEL FRAME CONSTRUCTION UP TO 4 STOREYS - HEAVYWEIGHT CLADDING

ROCKWOOL™

DRAWING TITLE:

TYPICAL ROOF TO WALL SECTION

DRAWING NO.: Detail 07

SCALE: 3" = 1'-0"

DATE: JUNE 2020

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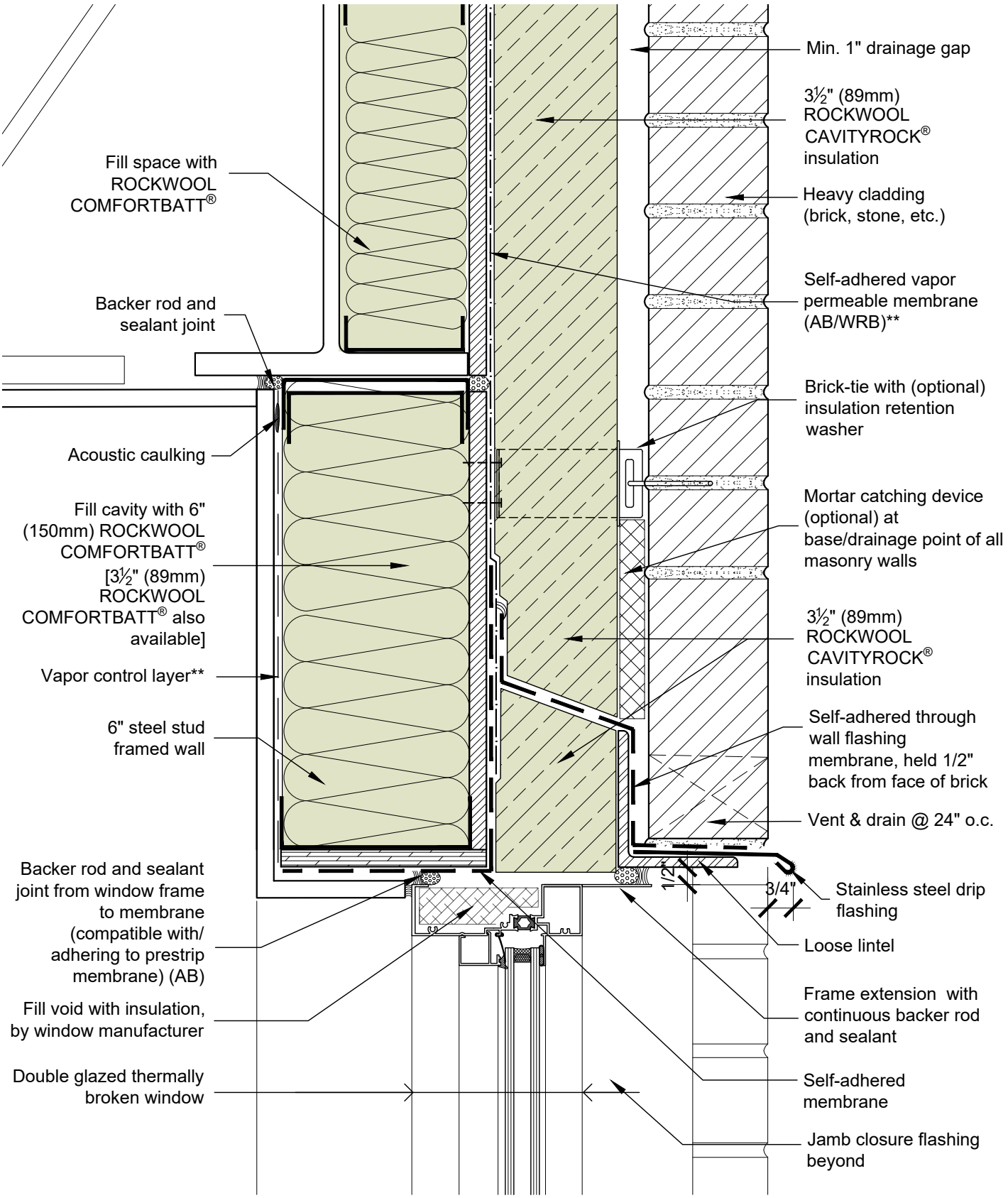

COMMERCIAL STEEL FRAME CONSTRUCTION UP TO 4 STOREYS - HEAVYWEIGHT CLADDING

ROCKWOOL™

DRAWING TITLE: TYPICAL FLANGELESS WINDOW HEAD

DRAWING NO.: Detail 08

SCALE: 3" = 1'-0"

DATE: JUNE 2020

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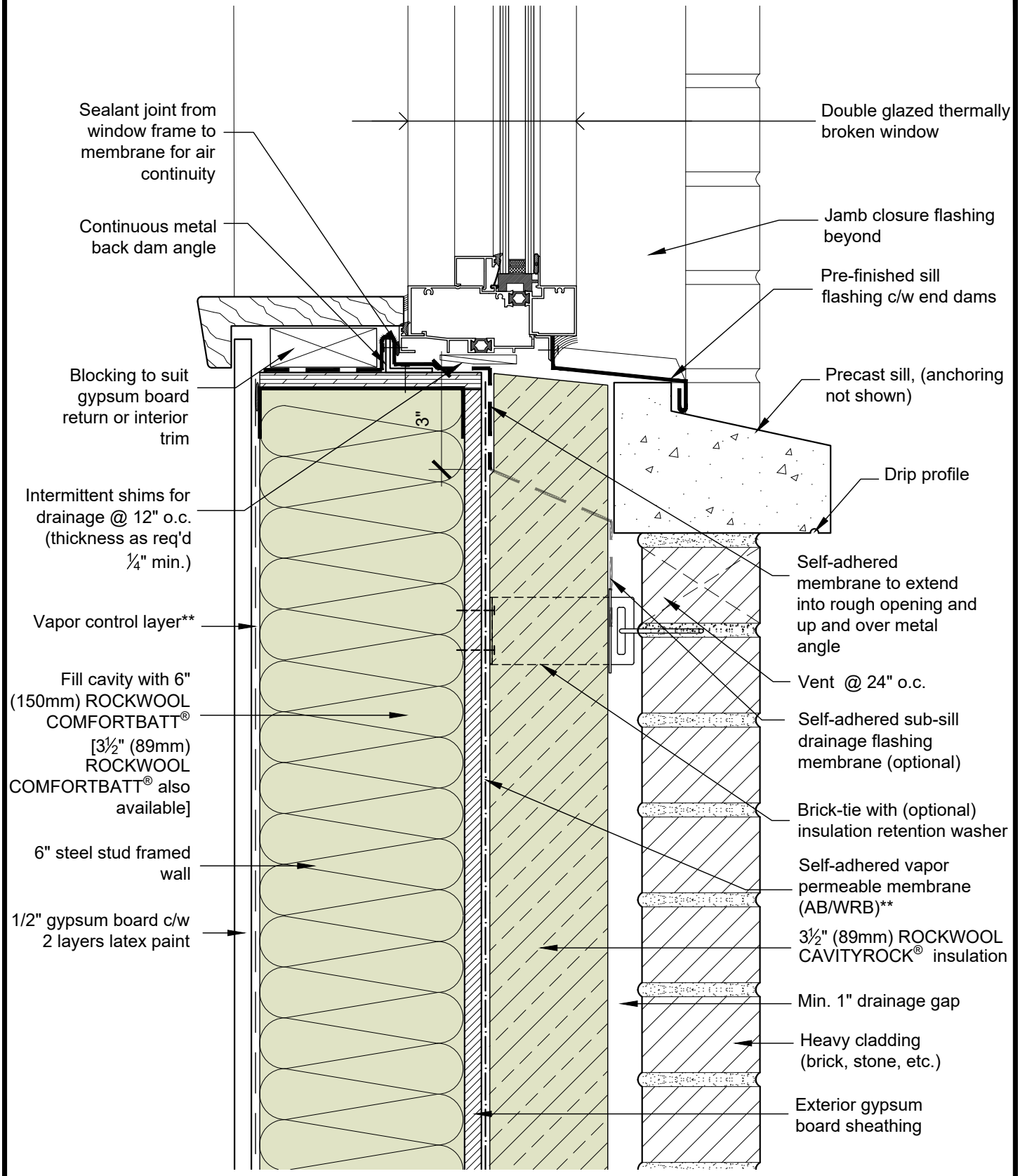

COMMERCIAL STEEL FRAME CONSTRUCTION UP TO 4 STOREYS - HEAVYWEIGHT CLADDING

ROCKWOOL™

DRAWING TITLE: TYPICAL FLANGELESS WINDOW SILL

DRAWING NO.: Detail 09

SCALE: 3" = 1'-0"

DATE: JUNE 2020

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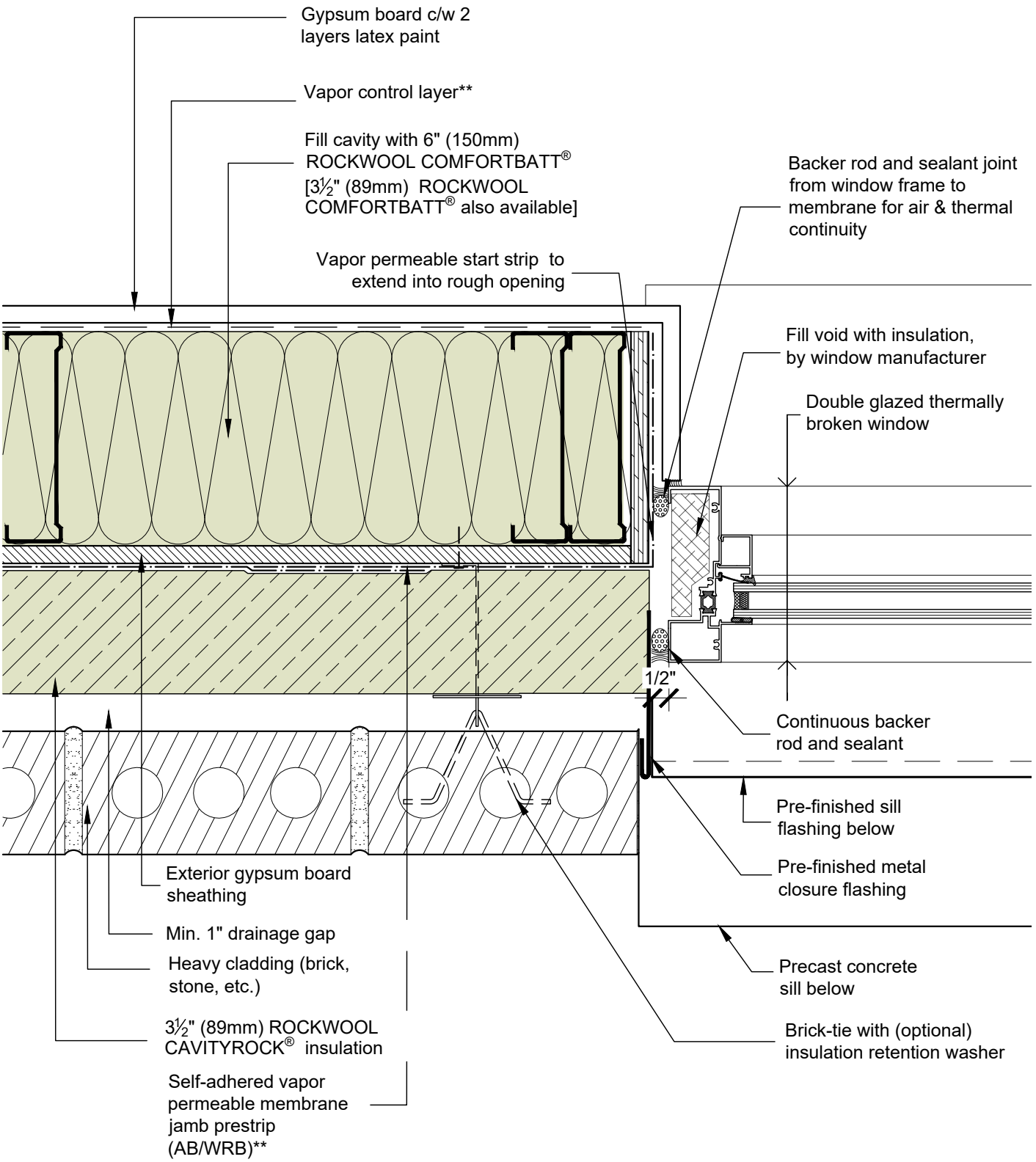

COMMERCIAL STEEL FRAME CONSTRUCTION UP TO 4 STOREYS - HEAVYWEIGHT CLADDING

ROCKWOOL™

DRAWING TITLE: TYPICAL FLANGELESS WINDOW JAMB

DRAWING NO.: Detail 10

SCALE: 3" = 1'-0"

DATE: JUNE 2020

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