## Existing multi-wythe masonry retrofit with interior insulation.

## Intended Use of this Document

This document provides example key assembly interface details showing the use of ROCKWOOL® products within an interior insulation retrofit of a multiwythe masonry residential or institutional building up to 3 stories.

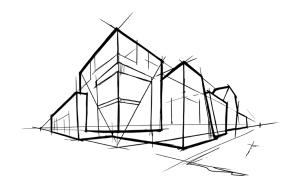
The example details could be modified for other building types or applications. The intended use has been limited to 3 story residential and institutional buildings for the sole purpose of creating boundaries around the detail development. The example details are designed to be generally applicable across 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. Interior insulation will change the temperature profile and drying capacity of the wall assembly. Therefore, the amount of insulation appropriate for any given building is dependent upon the condition of the existing masonry, its exposure to wetting, and its susceptibility to freeze thaw damage. Each building must be evaluated independently, using appropriate methods (visual review, masonry testing, etc) to develop an appropriate solution that addresses these inherent risks.

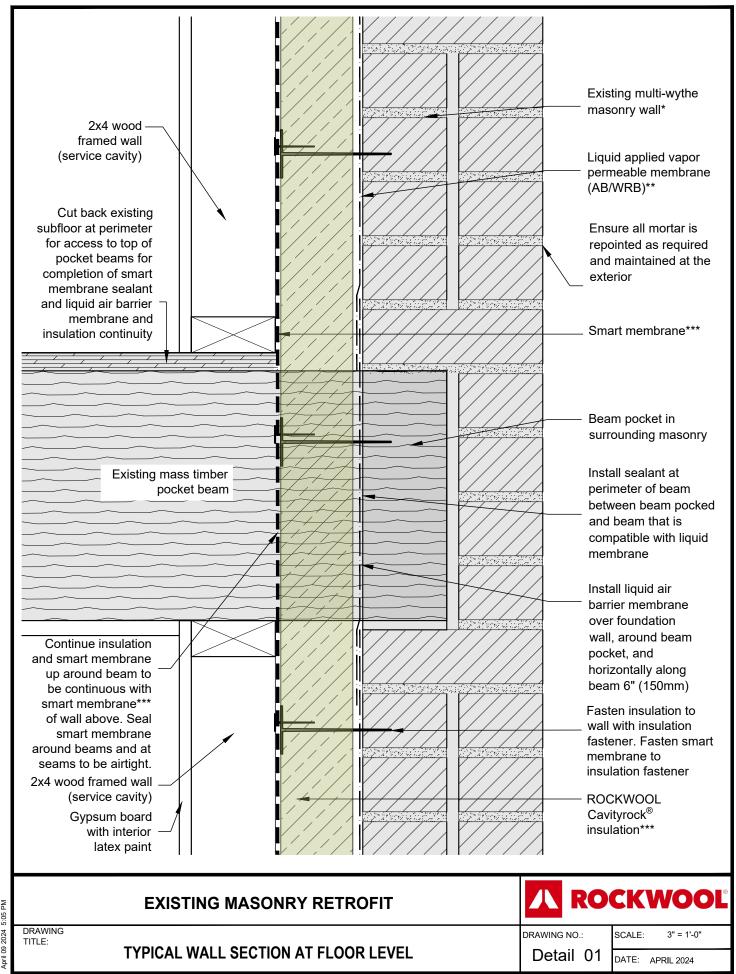
These example details are intended to provide architects, builders, and contractors with general guidance on the best practice approach to maintain:

- 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 assembly.

It is important to note these details show one method of retrofitting an existing multi-wythe masonry wall from the interior; 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.

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.

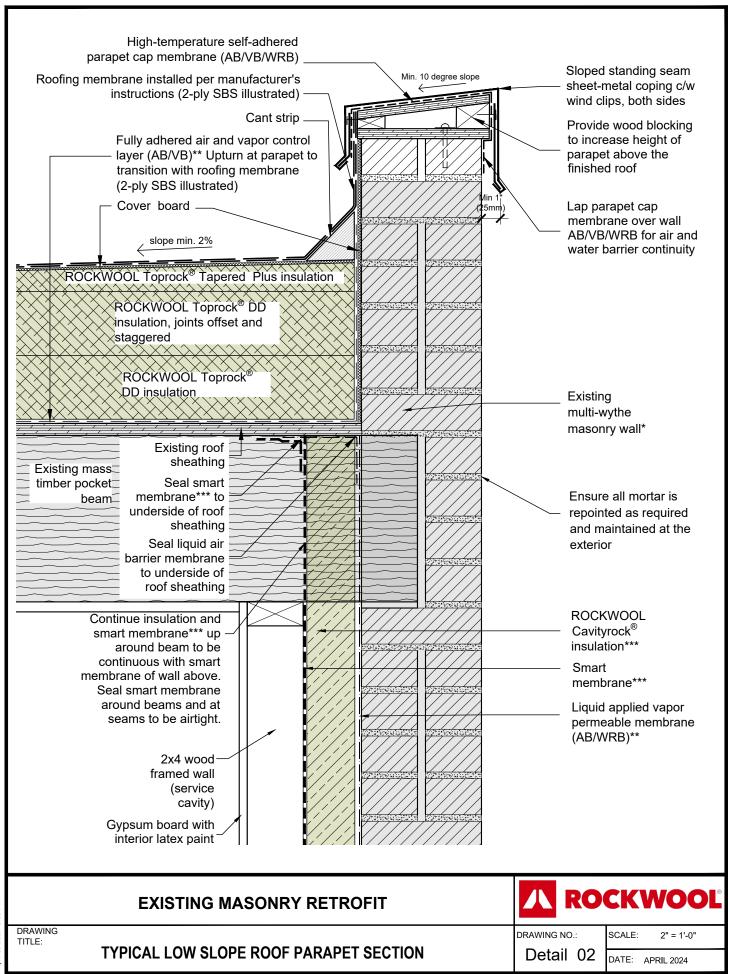




For project specific masonry assemblies, please contact ROCKWOOL® Building Science Support

<sup>\*\*</sup> For climate zone specific considerations for thermal, air and vapor control layer properties and requirements, please contact ROCKWOOL® Building Science for support.

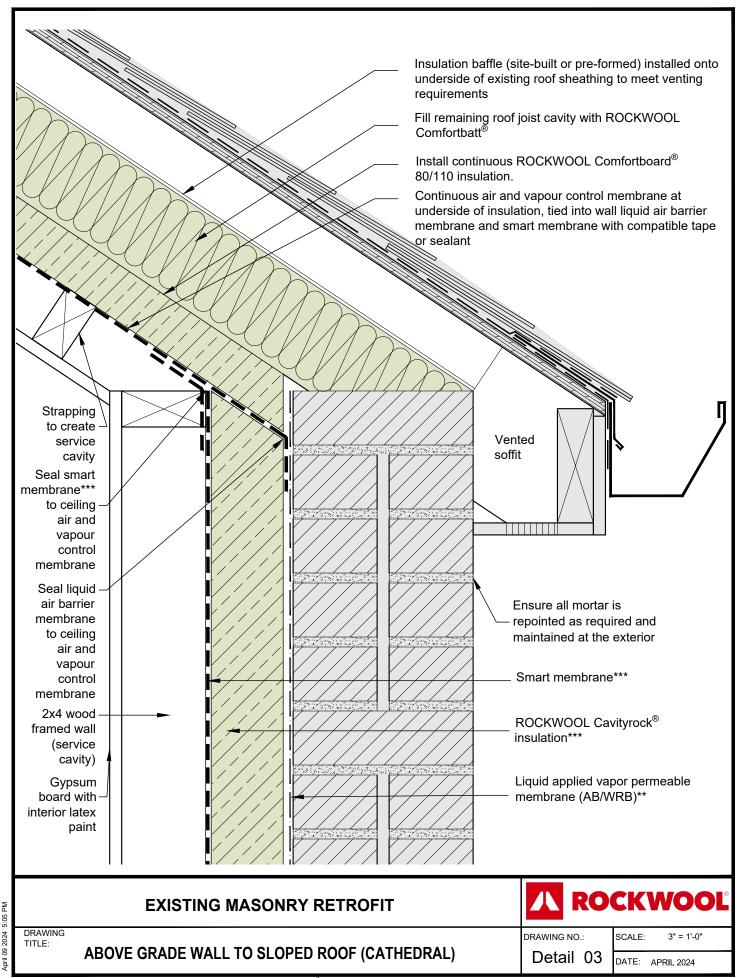
<sup>\*\*\*</sup>ROCKWOOL Smartrock® as alternative to ROCKWOOL Cavityrock® and Smart vapour retarder



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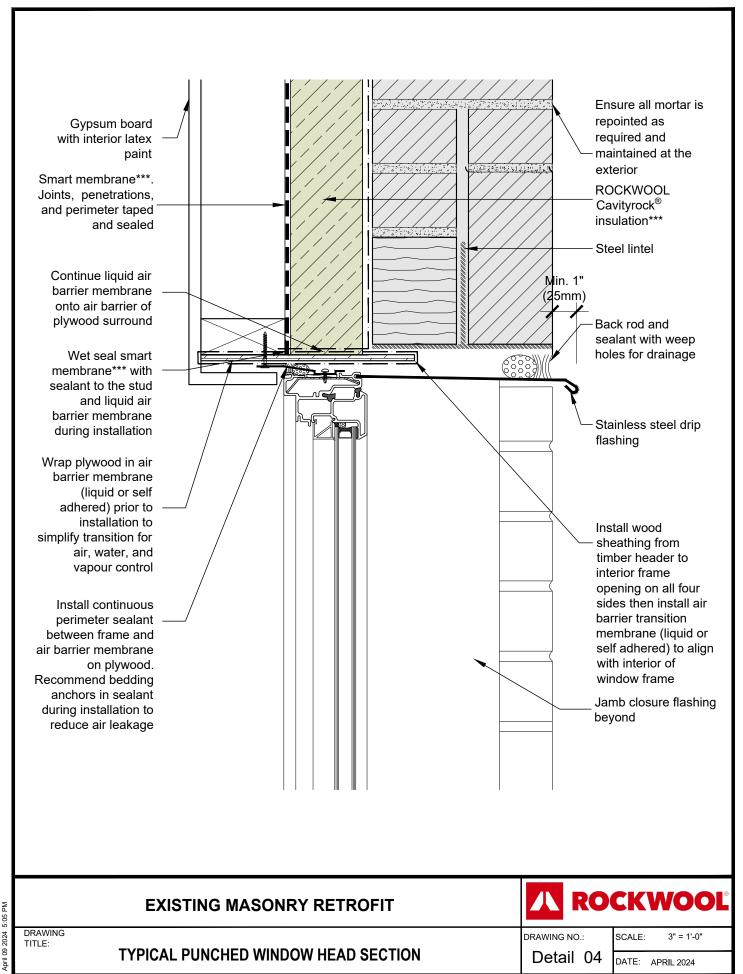
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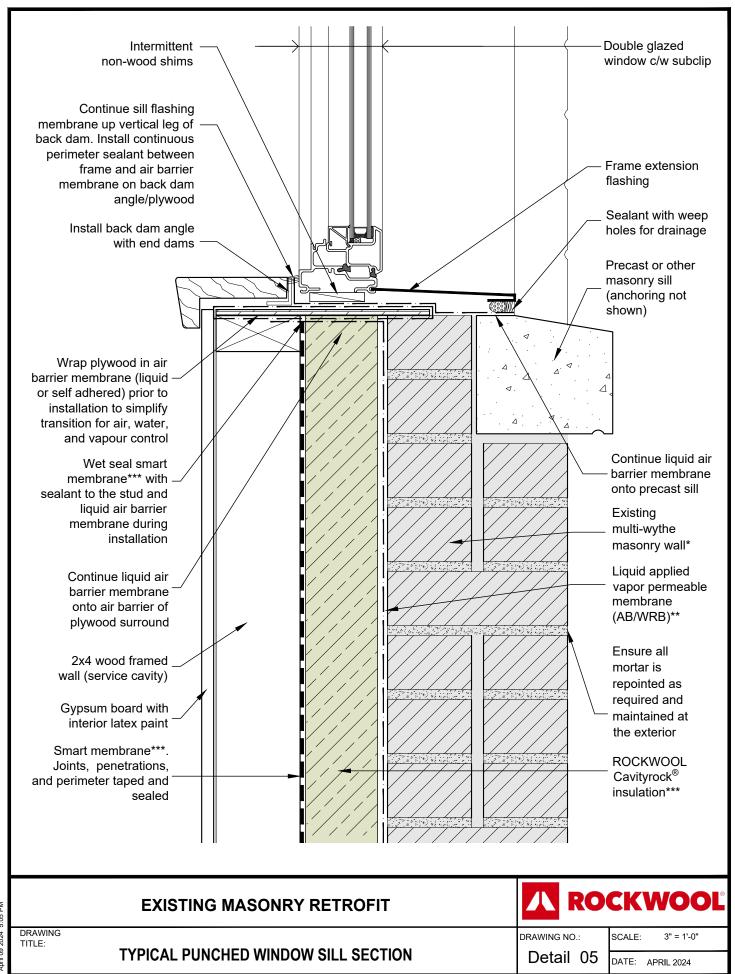
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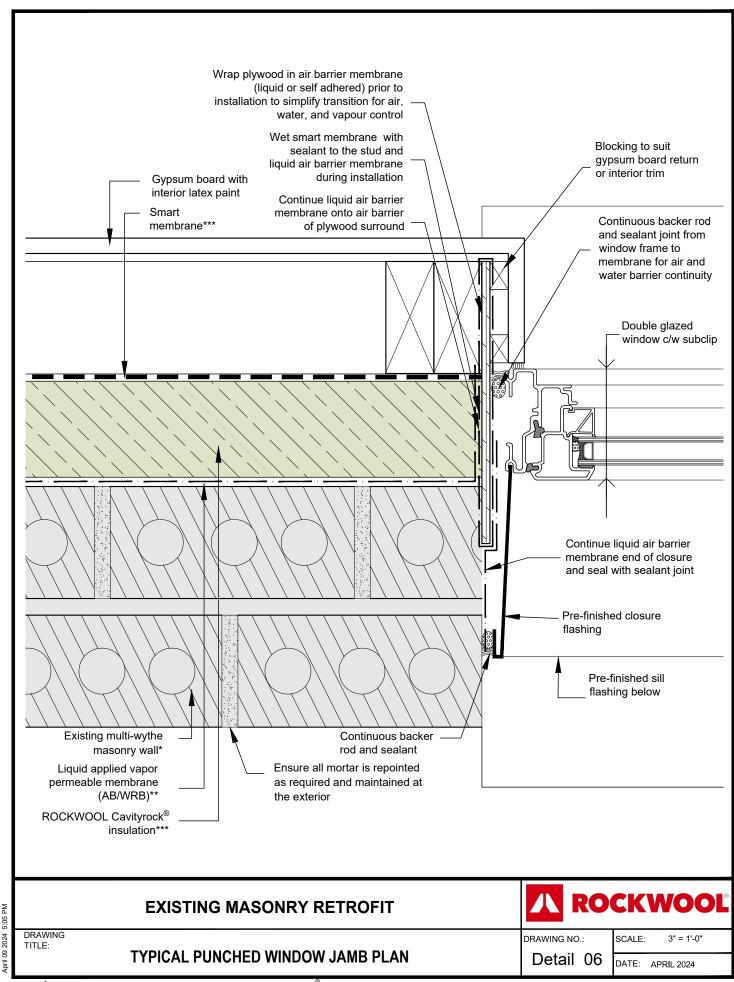
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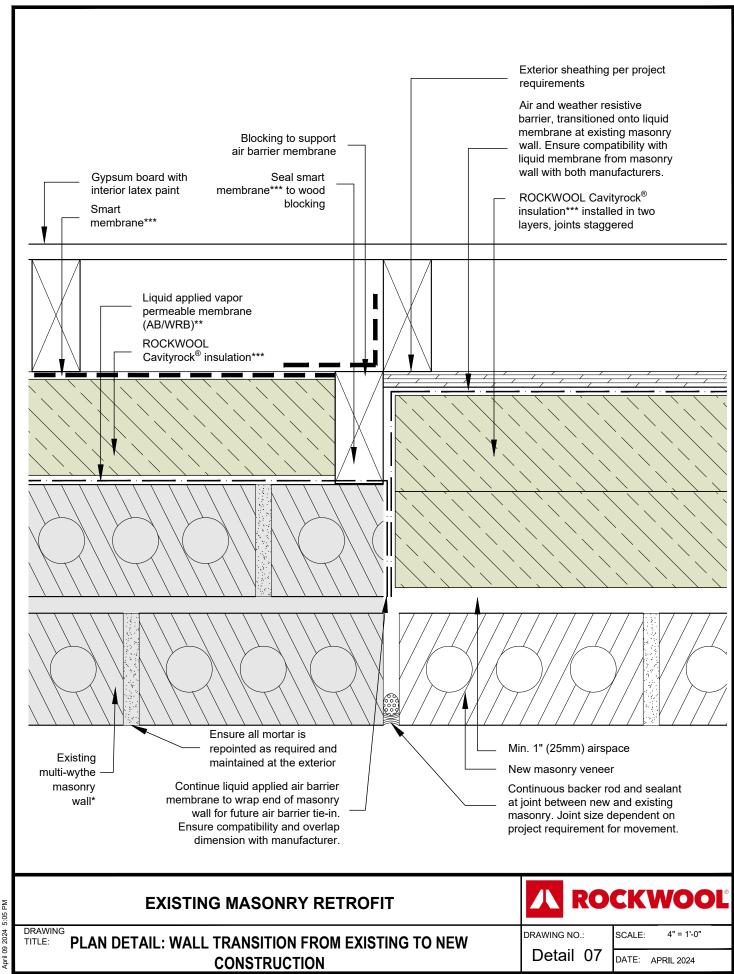
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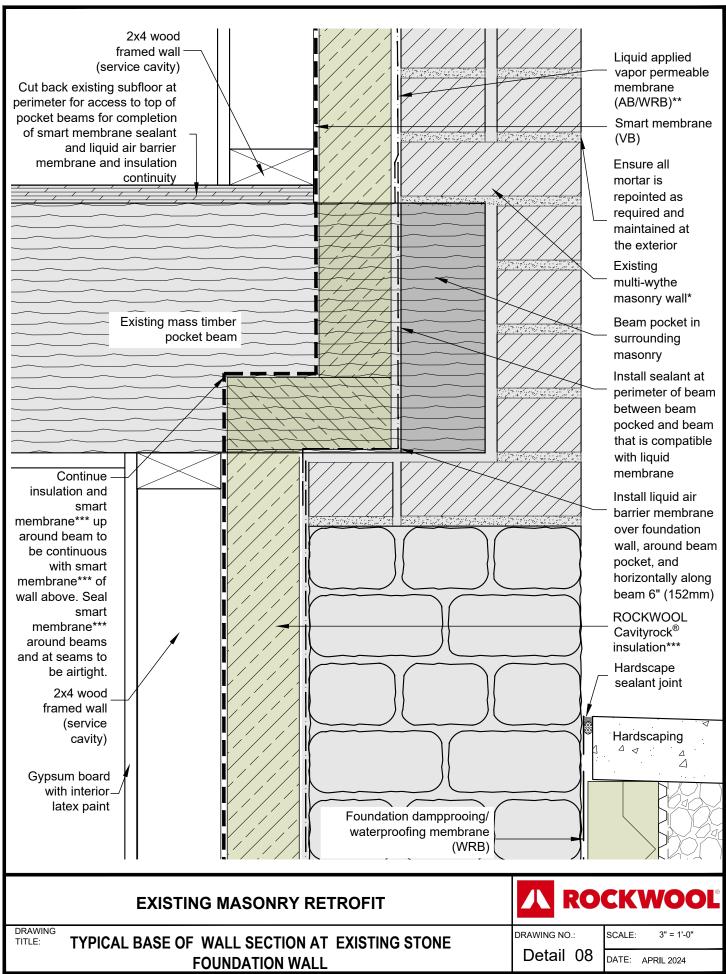
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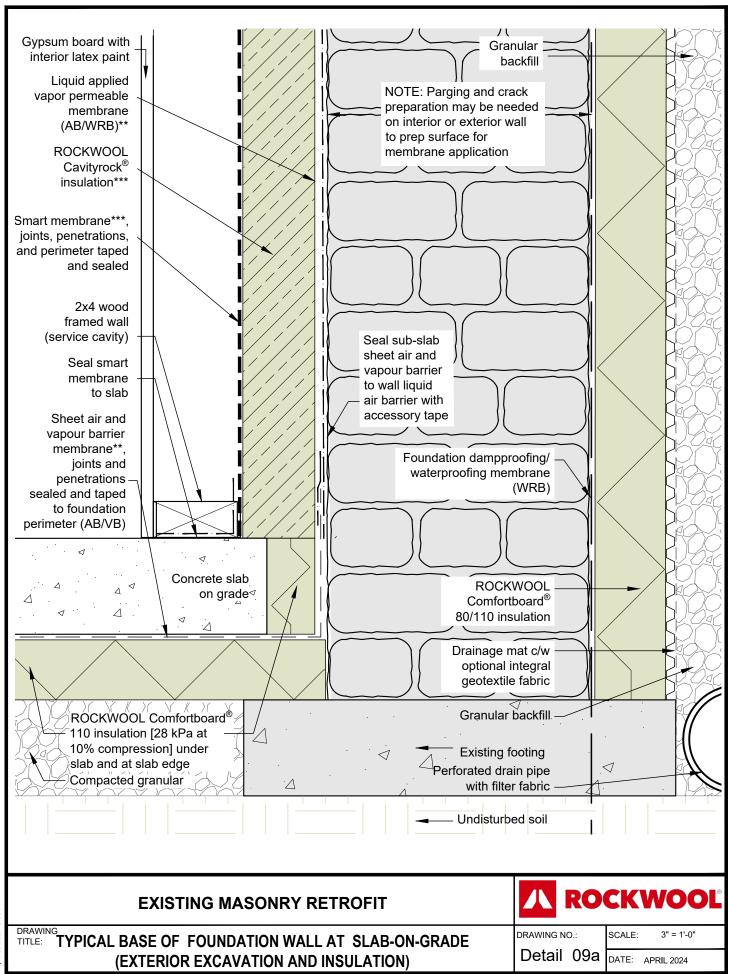
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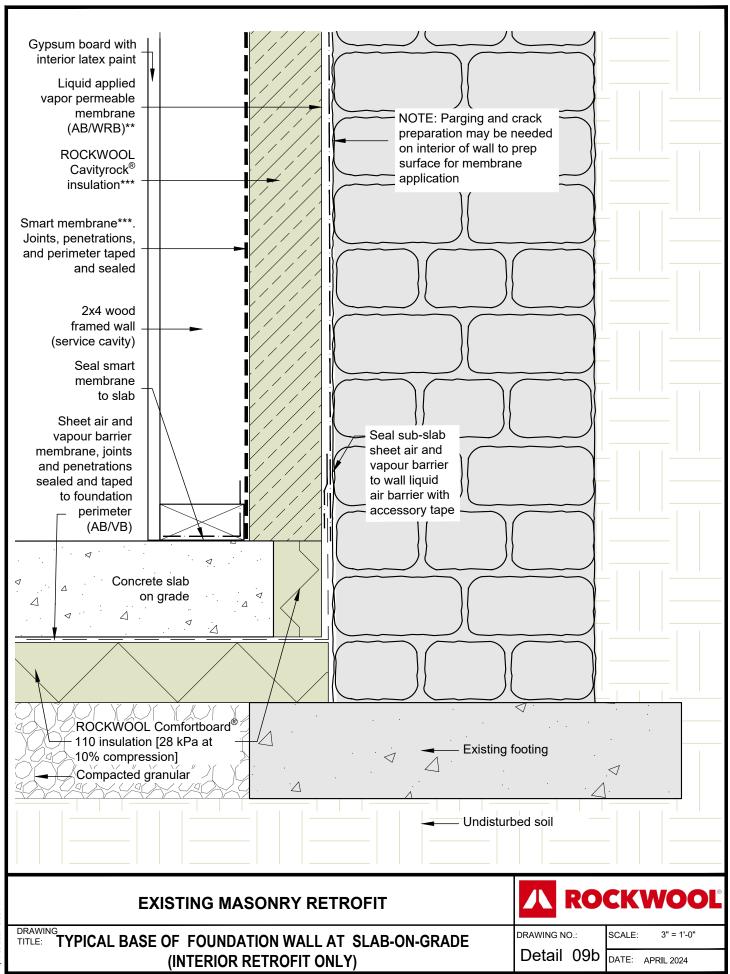
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