

EXPANSION JOINTS

Guide



STEP 1 Vertical Joints



Placement

Vertical control joints must be included at intervals of 16 feet along the wall. This is essential to accommodate the natural expansion and contraction of the materials due to temperature changes, moisture, and other environmental factors.

Construction

At each 16-foot interval, the panel should be cut to mark the location of the joint. The width of these joints should be maintained at 3/8 inch.

Backer Rod & Sealant

After cutting the panel, a backer rod is placed into the joint. This rod serves as a support for the sealant that is applied afterwards. The sealant is crucial as it allows for movement while preventing water and air infiltration.

STEP 2 Horizontal Joints



Placement

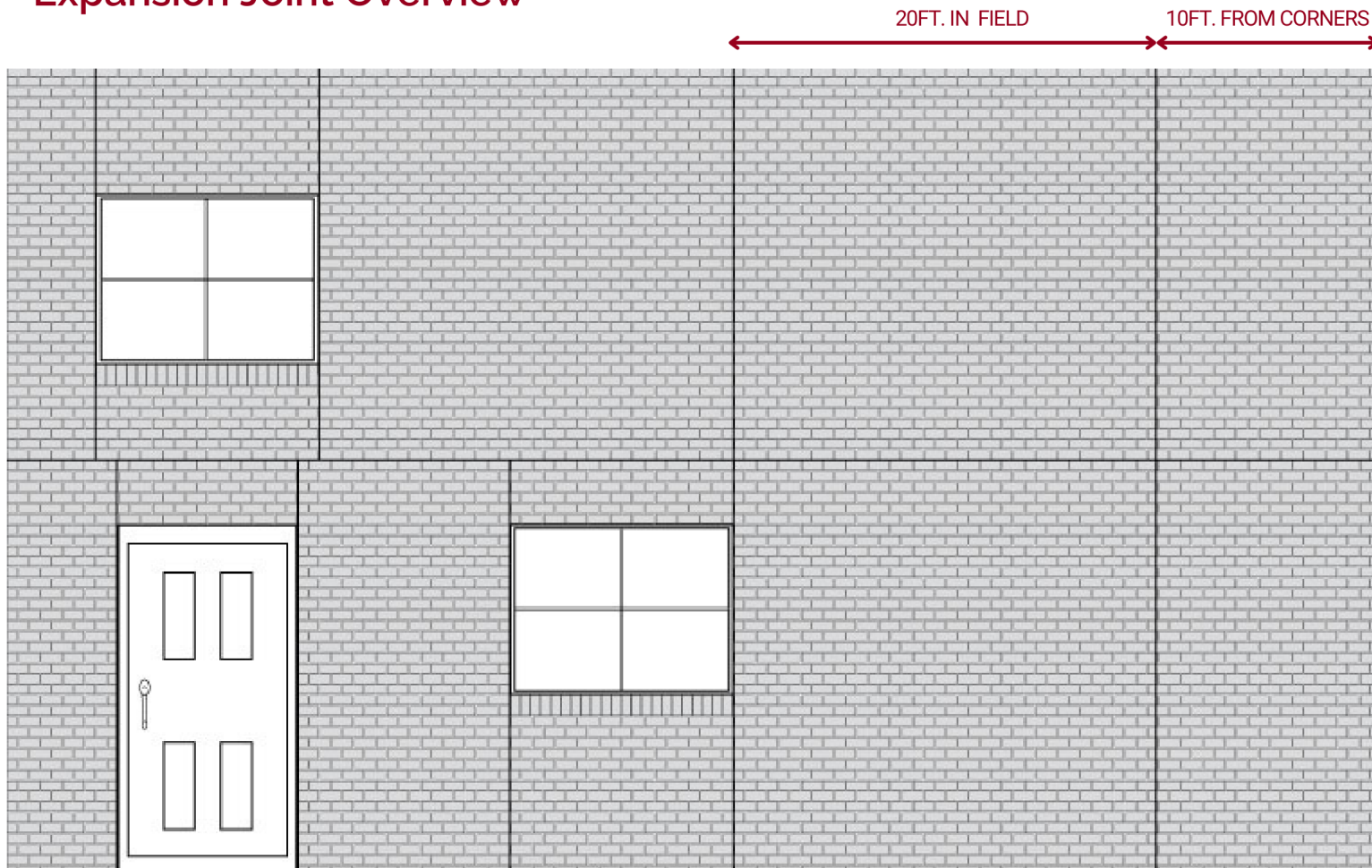
Horizontal control joints are typically installed at each floor level. The reason for this placement is to accommodate the potential settling and shrinkage of the structure over time, which is a natural occurrence in most buildings.

Through-Wall Flashing

For structures that are over two stories high, it is mandatory to include through-wall flashing at these horizontal control joints. This flashing plays a vital role in managing moisture, directing water out of the wall system to prevent water damage and potential structural issues.

DETAILS

Expansion Joint Overview



Overview

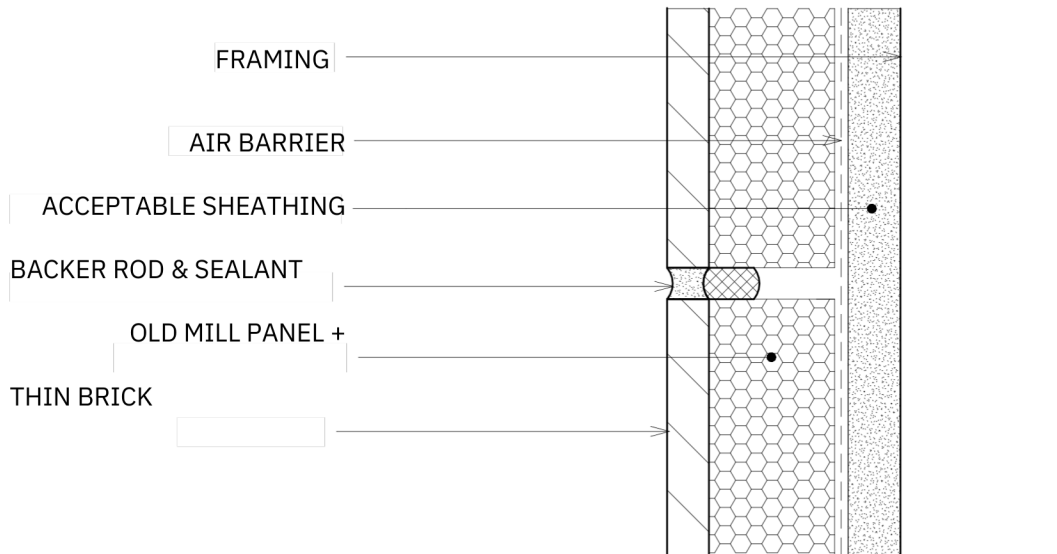
The design and installation of vertical and horizontal control joints in the Panel+ system are fundamental for accommodating natural movements and preventing potential damage. Adherence to local building codes, using quality materials, and ensuring skilled installation are key factors in the success of these features. Regular maintenance and proper documentation further ensure the longevity and safety of the structure.

Best Practices

Ensure that the placement and construction of these joints adhere to local building codes and regulations. These codes vary by region and are designed to address specific environmental and structural challenges of the area. Use high-quality materials for backer rods and sealants to ensure durability and effectiveness. The application should be done by skilled professionals to guarantee proper installation. Regular inspections of control joints should be conducted to assess the condition of the sealants and the overall functionality of the joints. Maintenance and repairs, if needed, should be addressed promptly to avoid any major structural issues.

DETAILS (CONTINUED)

TYPICAL EXPANSION JOINT DETAIL

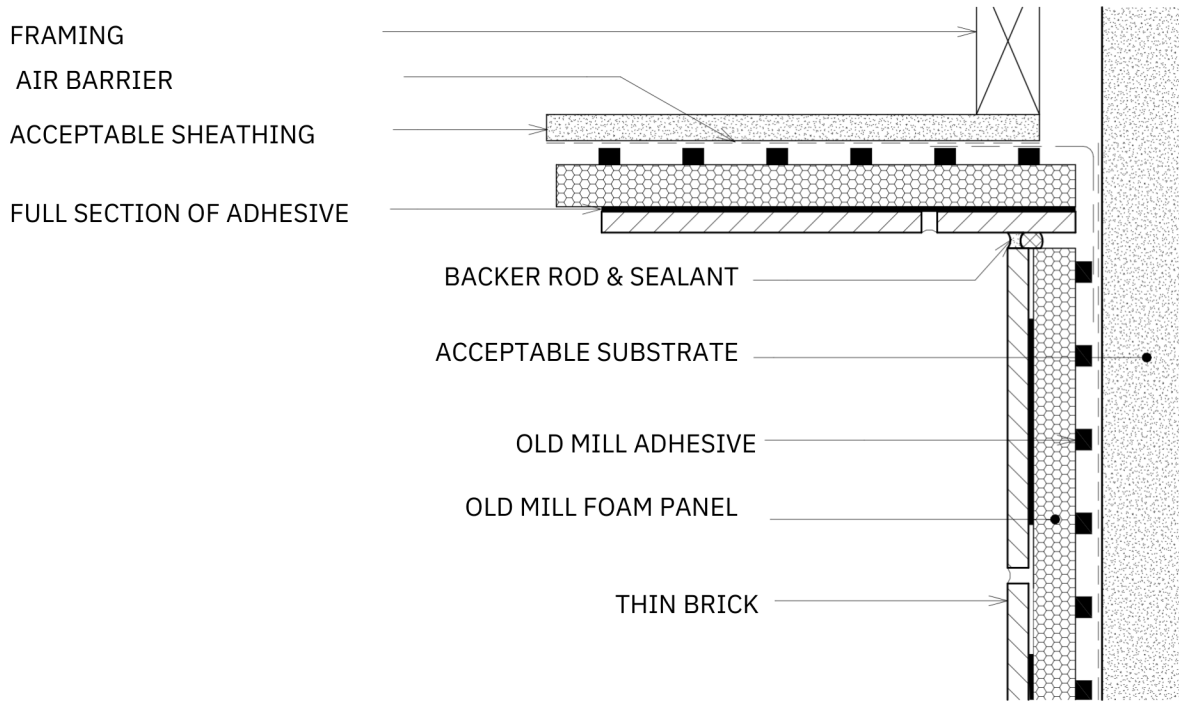


DRAWING NUMBER	SCALE	DATE	SHEET SIZE	REVISION	DISCLAIMER
DT107	6" 1'-0"	6/1/2023	A4	1	This technical detail serves as a guide for the appropriate use of Old Mill Building Products™. It is the responsibility of the customer's project designer to ensure that the product is fit for purpose by providing specialized design and detailing. The designer should consider any specialized factors of the project while assessing product suitability. It is essential to review this specification detail alongside the relevant product installation guide and all other appropriate technical literature related to Oldmill Brick™ products at the time of installation.

Old Mill Building Products™

DETAILS (CONTINUED)

TYP. EXPANSION JOINT AT CHANGE IN SUBSTRATE

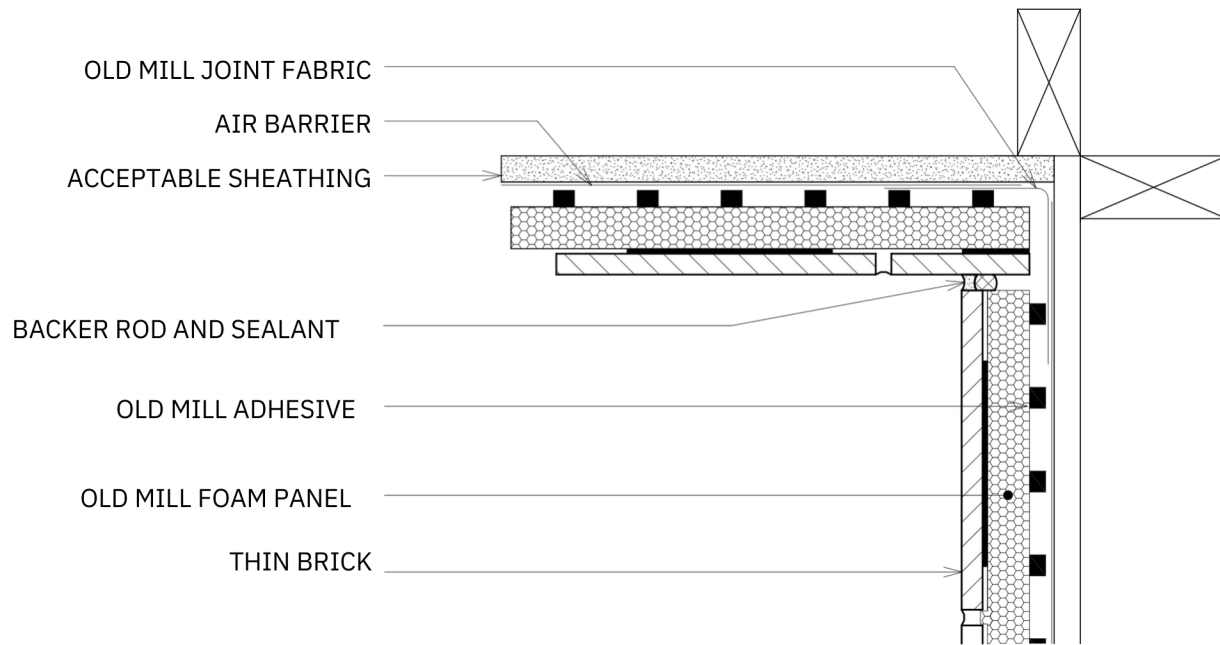


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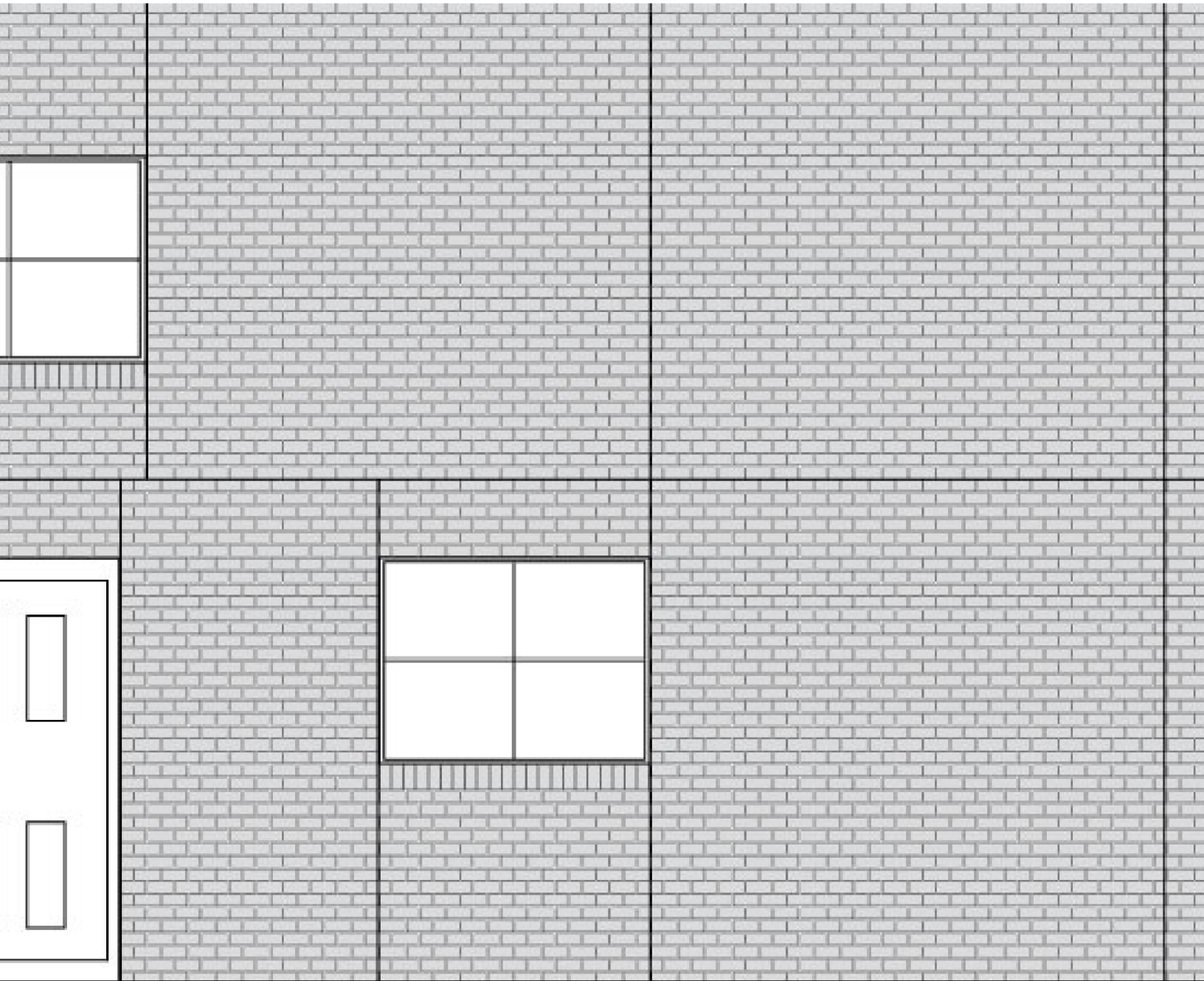
DT108	3" 1'-0"	6/1/2023	A4	1	This technical detail serves as a guide for the appropriate use of Old Mill Building Products™. It is the responsibility of the customer's project designer to ensure that the product is fit for purpose by providing specialized design and detailing. The designer should consider any specialized factors of the project while assessing product suitability. It is essential to review this specification detail alongside the relevant product installation guide and all other appropriate technical literature related to Oldmill Brick™ products at the time of installation.
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DETAILS (CONTINUED)

TYPICAL EXPANSION JOINT AT INSIDE CORNER



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