Weather-Tite®
WALL SYSTEMS

BUILDING SOLUTIONS GUIDE
BP INSUL-SHEATHING PANELS
R13 AND R15

INSTALLATION, STORAGE, AND HANDLING GUIDE

BP

BUILDING PRODUCTS OF CANADA CORP.

SINCE 1905

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STORAGE AND HANDLING

Store sheathing a minimum of 100 mm (4") off ground and protect adequately from the elements using tarpaulins. Do not use panels with broken edges or punctures. Use those in areas where they can be cut to eliminate such broken edges or punctures. Panels can be cut with a fine-toothed power saw, a reciprocating saw, or a utility knife with fresh blades. When using a utility knife, cutting through the panel with blades ensures a cleaner edge cut.

Panels should be installed vertically on wall studs and can be applied to framing studs measuring 406 mm (16") or 610 mm (24") o.c.*

* When building with advanced framing with studs at 24" o.c., using the thicker R-1.5 Insul-Sheathing panel is recommended.

EXPOSURE TO HEAT OR OPEN FLAME

Do not expose panels to open flames or excessive heat above 177°C (350°F), e.g. welding torches. If ignited or should panel smoulder, extinguish completely.

NAIL GUIDE MARKS

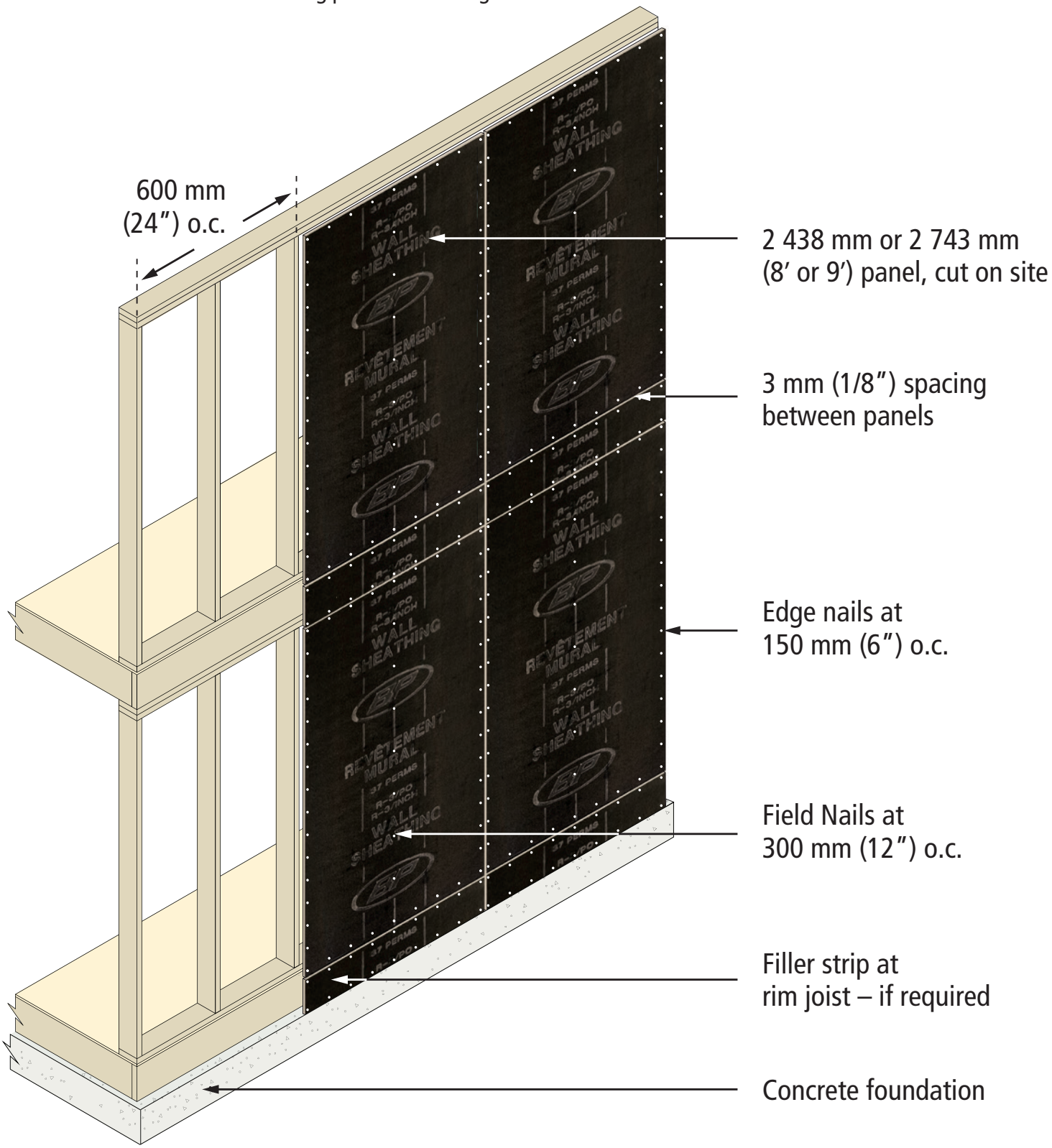
Nailing marks on R-1.3 and R-1.5 Insul-Sheathing panels are shown at 406 mm (16") and 610 mm (24") o.c. in the field of the panel.

INSTALLATION AND NAILING PATTERN

1. On exterior walls, apply panels vertically starting at corner. Follow nail guide marks to fasten panels to wood frame using galvanized roofing nails with a minimum length of 44 mm (1 3/4") with 11 mm (7/16") head and 3 mm (1/8") shank; for steel stud frames, use #8 × 1 3/16" (30 mm) self-tapping zinc-coated pan head screws with 10 mm (3/8") head with washer. As an alternative, plastic cap nails can be used.
    - **a.** Do not drive nail head through panel surface.
    - **b.** Start nailing from the centre of the panel progressing outwards towards the panel edge.
    - **c.** Space fasteners in the field at 300 mm (12" o.c.).
    - **d.** Space fasteners at edges, along framing members, and around window and door openings at 150 mm (6" o.c.).
    - **e.** Fasteners should not be less than 10 mm (3/8") from panel edges.
2. Centre panel joints on studs, leaving approximately a 3 mm (1/8") space between panels, doors, and windows for expansion. Do not force panels tightly together.
    - **a.** Ideally, panels should extend from sill to top plate in one piece.
3. Ensure there is adequate support for all vertical, horizontal, and cut-out areas. For horizontal joints, provide horizontal blocking between studs to ensure nailing at 150 mm (6") along perimeter.
4. Panels should be covered with weather resistive barrier as soon as possible to protect against the elements – panels should not be exposed to elements for an extended period of time.
5. Finish cladding: Wood fibre sheathing is not a nailing or fastening base. Furring strips can be applied to act as a nailing or fastening base.
    - **a.** Application of sheathing and exterior cladding must be done according to local and national building codes. All exterior cladding/finishes should be installed to manufacturer's requirements.

PANEL INSTALLATION

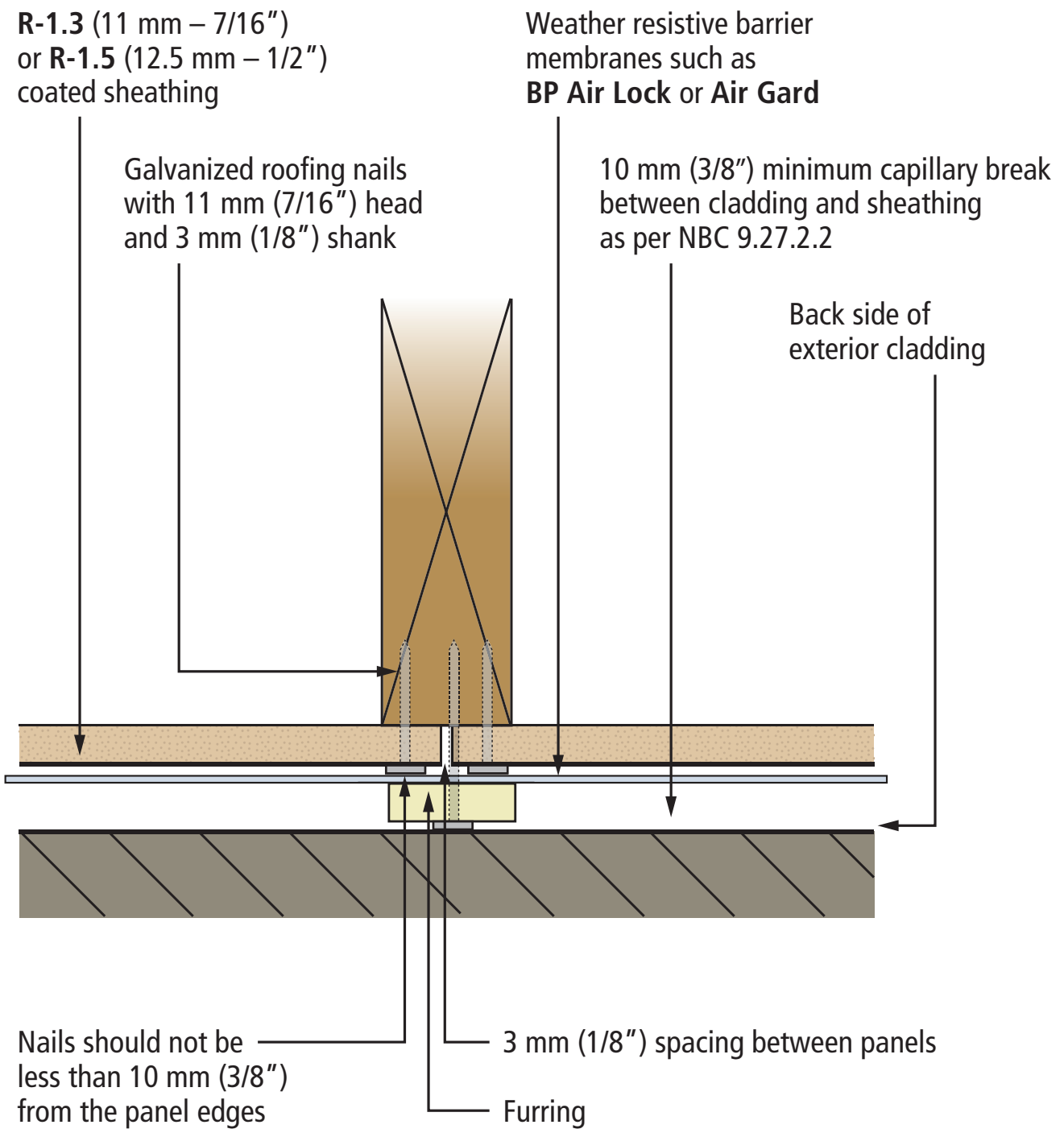
The illustration below is a quick reference to the installation of **R-1.3** and **R-1.5** Insul-Sheathing panels on framing.



*As per article 9.23.13.1 of the 2015 NBC, no additionnal bracing is required when using 7/16″ or 1/2″ insulating wood fibre panels.

VERTICAL JOINT – WOOD FRAME

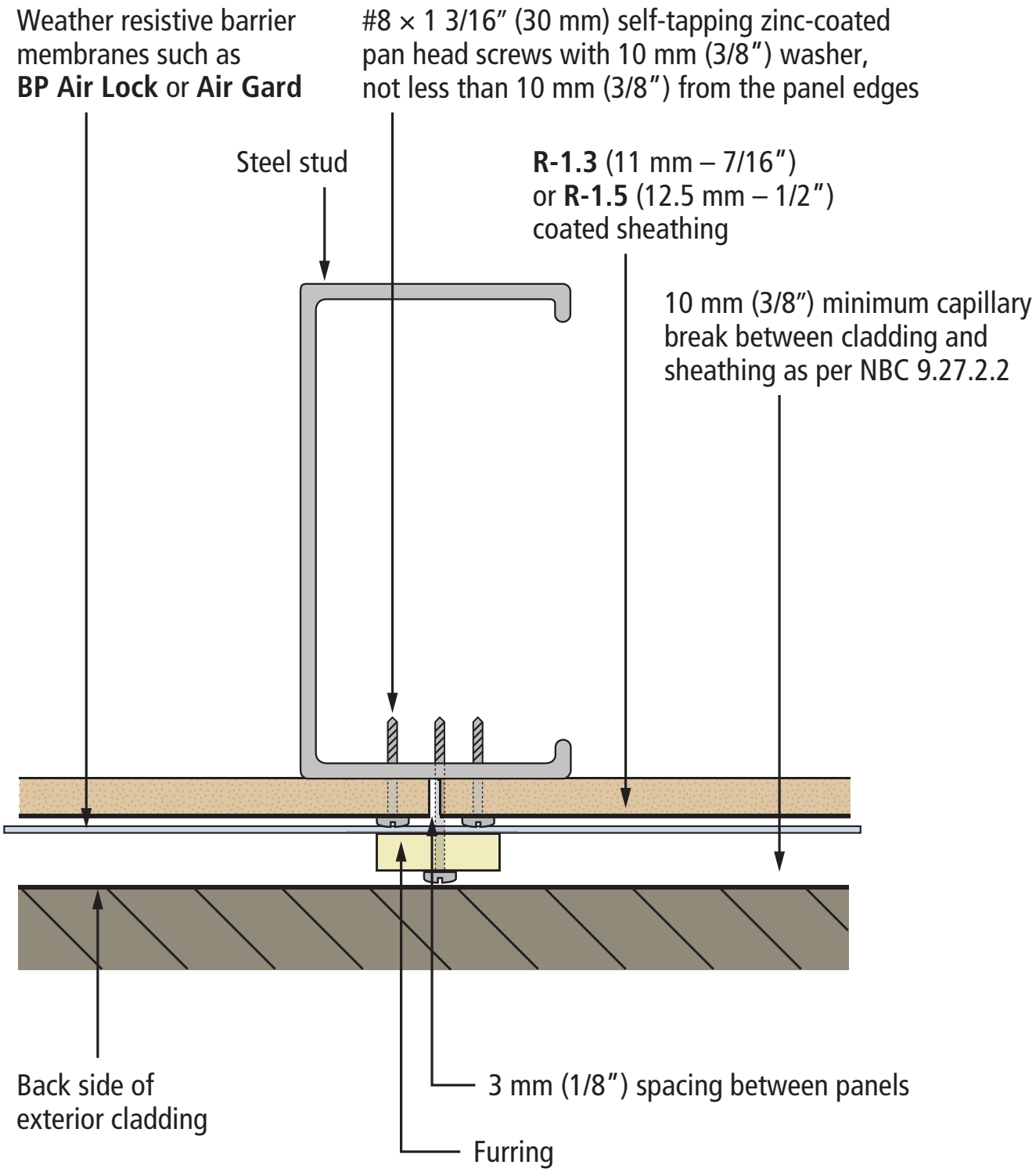
(Horizontal Joint Similar)



NOTE: R-1.3 (11 mm – 7/16″) and R-1.5 (12.5 mm – 1/2″)
BP exterior sheathing is asphalt coated on both sides.

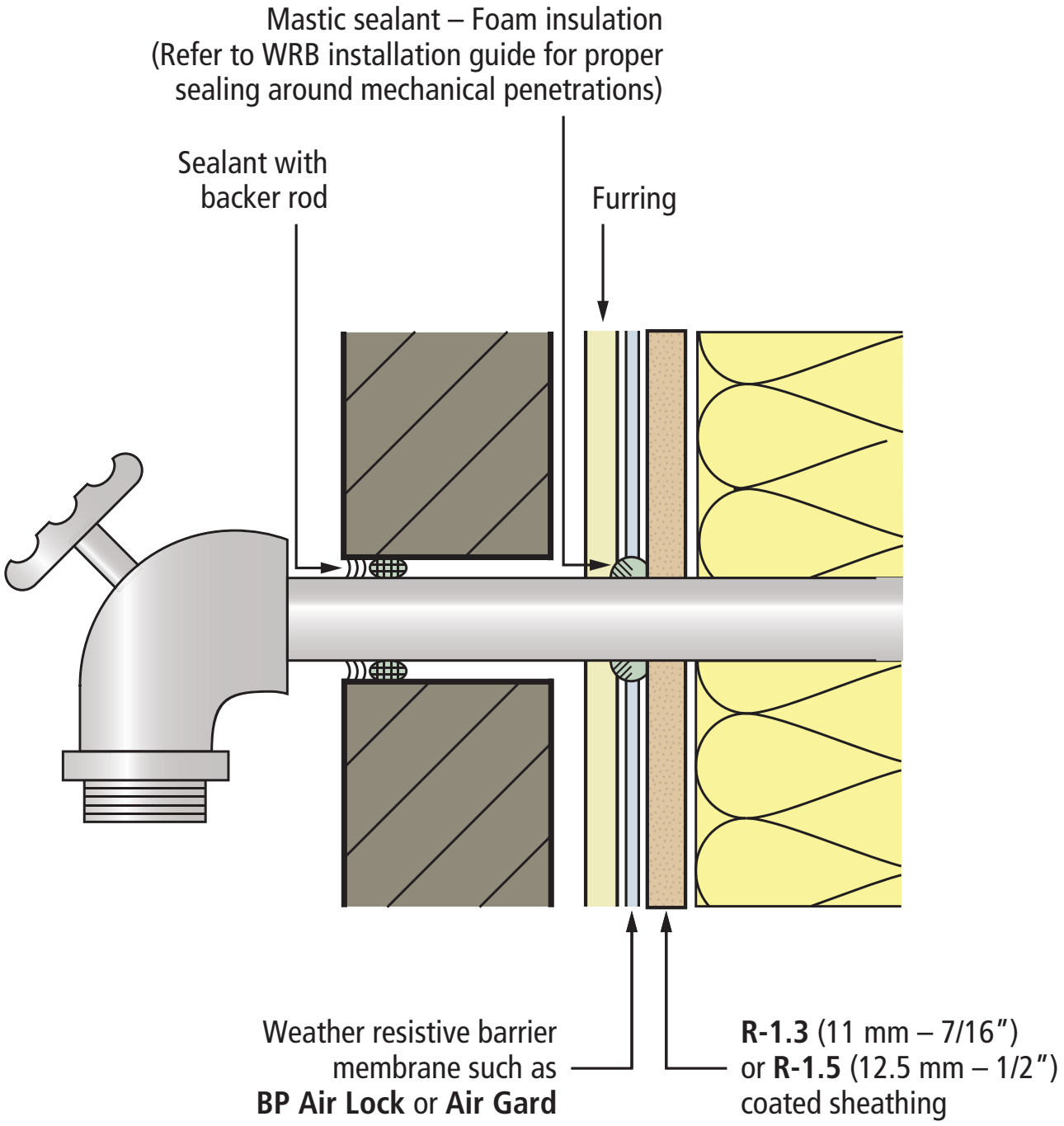
VERTICAL JOINT – STEEL FRAME

(Horizontal Joint Similar)



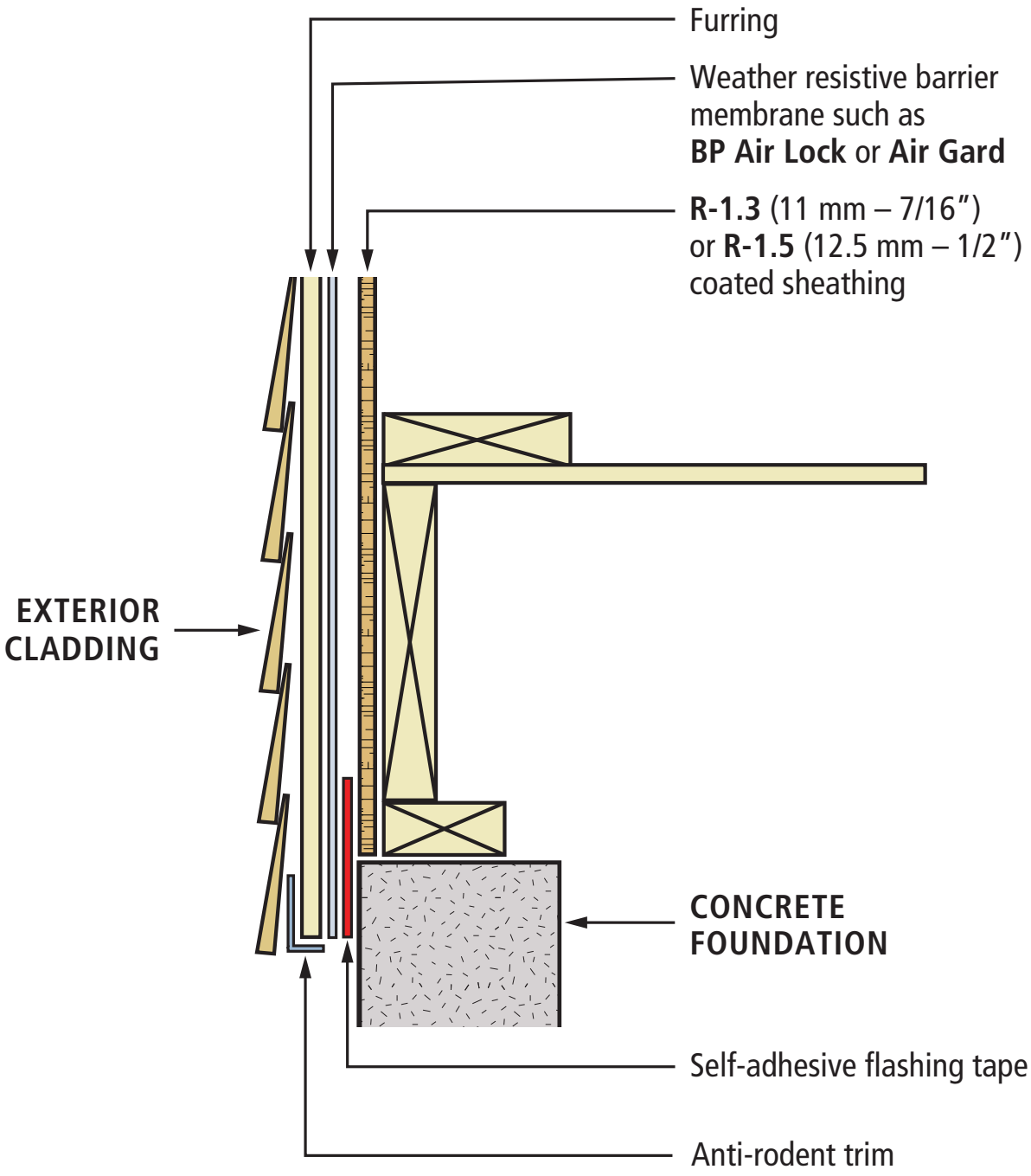
PIPE PENETRATION

(Vent or Duct Similar)



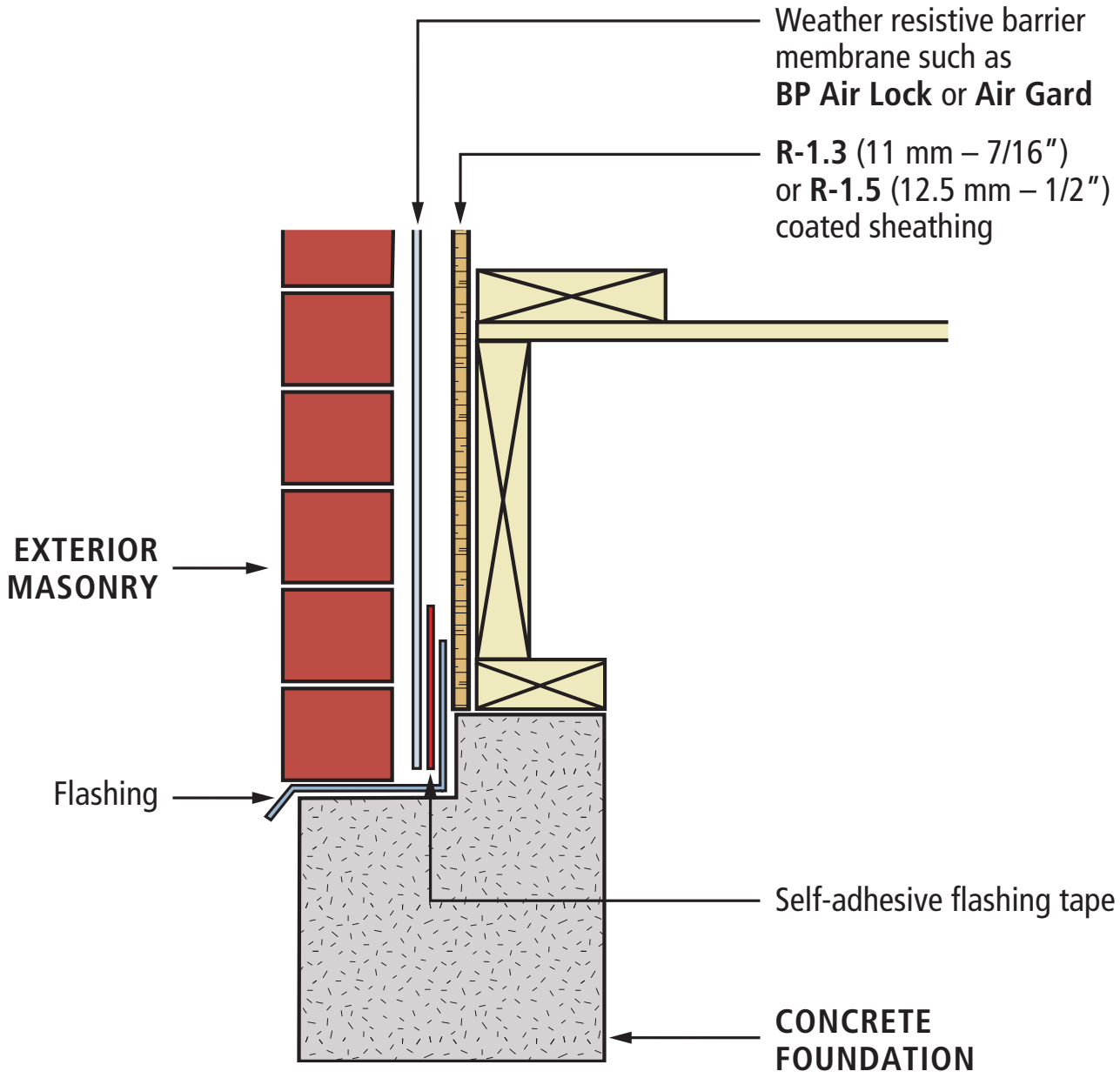
FOUNDATION WALL

(Cladding)



FOUNDATION WALL

(Masonry)



INSIDE OR OUTSIDE CORNER