



KWP Primed Engineered Wood Panel

Installation Instructions With or Without Battens



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STORAGE

Compliance with KWP installation, storage and maintenance requirements and with the applicable building codes in your region is mandatory. Problems caused by failure to comply with these requirements and codes may not be covered under applicable warranties.

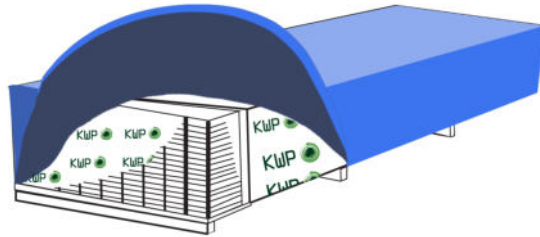
WARNING

Do not install products which appear to be or which you believe to be non-conforming. Before you begin, consult the applicable building codes in your region for requirements regarding the installation of siding, weather barrier (house wrap), caulking, etc.

Follow the manufacturer's instructions for installing the weather barrier and applying caulking.

- Store off the ground, on a flat surface on pallets to avoid sagging and contact with the ground.
- Siding must be covered and protected from the elements with a water resistant cover provided by KWP.
- Allow siding to adjust to atmospheric conditions prior to installation.

Do not store KWP Primed panel or trim in a heated building. This can affect the humidity content in the wood and make it susceptible to buckling.



INSTALLATION

STUD SPACING AND WALL CONSTRUCTION

KWP always requires the use of a weather resistant barrier behind KWP Primed Engineered Wood Panel. KWP will not be liable or responsible for any damage occurred for failure to use a weather resistant barrier.

In order to ensure adequate ventilation and wall drainage, the KWP Primed Engineered Wood Panel installed as board and batten system must be installed either on a wall composed of double furrings; vertical furrings installed at 16" OC followed by horizontal furrings installed at 12" OC.

The KWP Primed Engineered Wood Panel installed vertically or as board and batten system must be nailed at every 16" horizontally and 12" vertically using the required fasteners.

As an alternative to using furring strips, KWP Primed Engineered Wood Panel can be installed over non-compressible drainable housewrap to provide drainage behind siding.

INSTALLING KWP PRIMED ENGINEERED WOOD PANEL VERTICALLY OVER RIGID FOAM INSULATION ON FURRING STRIPS

When installing KWP Primed Engineered Wood Panel over foam plastic or fibreglass sheathings, the following precautions must be followed:

Trim and KWP Primed Engineered Wood Panel must be installed over a minimum 1x4 nominal size Southern Pine furring strip with a specific gravity greater than or equal to 0.55. Furring strips must be installed and secured firmly to the structure using two nails or angle screws every 12-16". Nails must have a minimum penetration of 1 1/4" in the structure.

Ensure that ring shanks of the nail fully engage the wood structural panel sheathing.

A water-resistant barrier (WRB) is required in accordance with building code requirements.

Drainage plane (example: furring strips, drainage mat or drainage board) may be required between panel and WRB, consult local code requirements.

INSTALLING FURRING STRIPS

Vertical furring strips create a ventilated space between the siding and the water-resistant barrier. This space allows any water that may infiltrate behind the siding due to driving rain, wind or morning dew to escape rather than accumulating behind the siding. It also allows water vapour from inside the building released by the water-resistant barrier to escape without damaging the wall.

FURRING STRIP SPECIFICATIONS

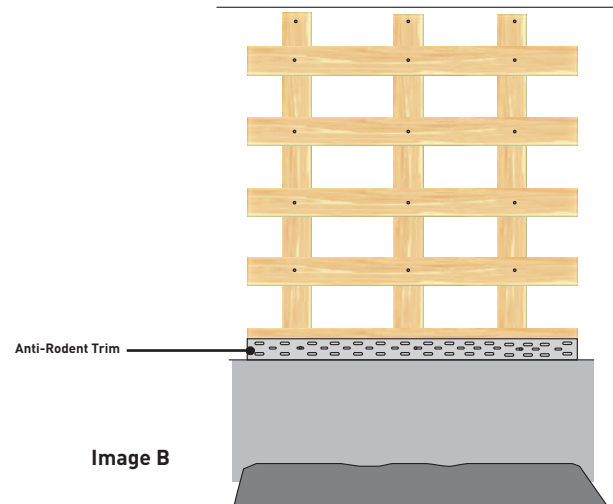
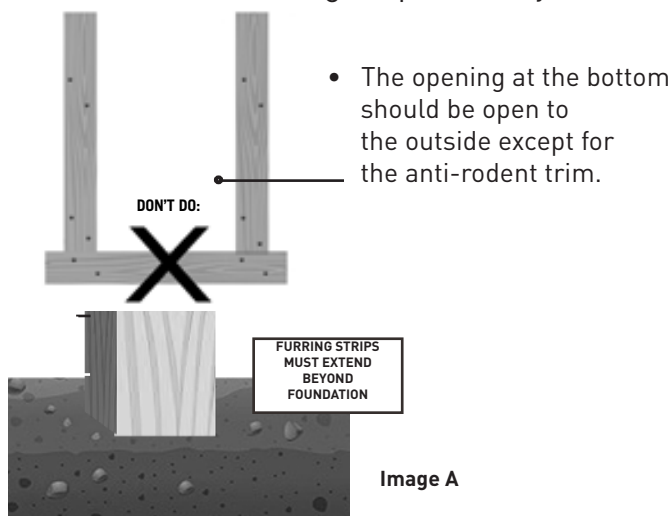
1x3, 1x4 nominal size kiln-dried, Southern Pine furring strip with a specific gravity greater than or equal to 0.55. Furring strips must be new, straight and undamaged. If the siding is being installed as part of a renovation project, replace all existing furring strips with new compliant strips. Please refer to your local building code.

KWP siding shall be installed to safely resist all loads, including wind loads, of the locals adopted building codes. The installation of siding shall result in a system that provides a load path that meets the requirements for the transfer of loads from their point of origin through the load-resisting elements to the structure. The mechanical connection of the furring strip to structure is the responsibility of a design professional. KWP assumes no liability for any loss or damage caused by the design of the mechanical connection of the furring strip to the structure and is expressly released by the purchaser or owner from any such loss or liability.

INSTALLING FURRING STRIPS

Install furring strips vertically and secure them firmly to the structure using two nails or angle screws every 12-16". Nails must have a minimum penetration of 1 1/4" in the structure.

Install horizontal furring strips at every 12" oc.



KWP Primed Engineered Wood Panel can be installed in a Board and Batten manner following the below requirements.

KWP Primed Engineered Wood Panel must be installed over a minimum 7/16 Category wood structural panel, that contains the consensus Standard DOC PS 1 or PS 2.

KWP Primed Engineered Wood Panel installed or installed as Board and Batten may only span one plate-to-plate. Due to expected plate shrinkage, each vertical application is not to span beyond one floor to ceiling distance, or, one floor to top of gable distance **(see figure 1)**

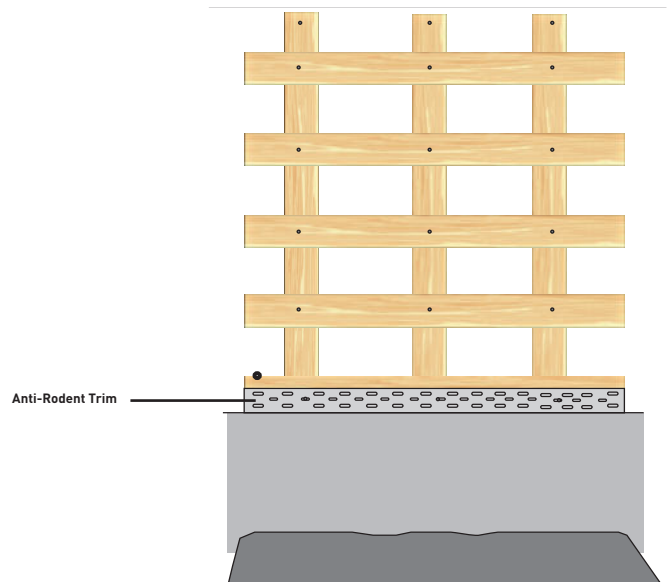
Battens may be a minimum of 0.5 x 1.5 inches (13x38mm) (actual size)

Caution: when selecting a batten less than 2.5 inches (64mm) (actual size) wide it may be difficult for batten to conceal nail heads on vertical siding.

- Vertical nail heads that are not covered by battens are an aesthetic issue and not covered by KWP's limited warranty.

When installing directly over a minimum of 7/16" wood structural panel, KWP primed panels must be installed over non- compressible drainable housewrap to provide drainage behind siding.

The opening at the bottom should be open to the outside except for the anti-rodent trim. The siding must be fastened by nailing about 3/4" (19.05mm) from the top edge of siding at each stud or vertical furring strip located over the stud, leaving no more than 16" (400 mm) between nails.



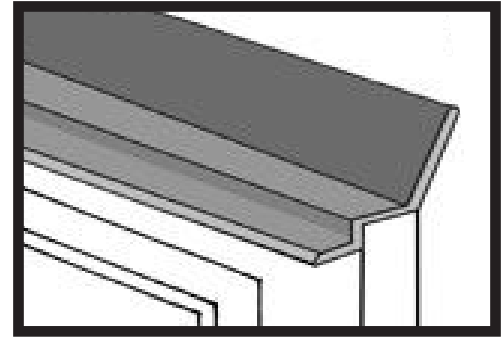
If KWP Primed Engineered Wood Panel applied adjacent to patios, roof line, porches, etc. the KWP Primed Engineered Wood Panel must have a clearance of a minimum of 2" above the surface. Furring strips must extend beyond the concrete foundation line by 1/4" to 1" to ensure the overlap of the siding and the foundation.

NOTE: When installing KWP Primed Engineered Wood Panels with other siding products like stucco, brick or cultured stone veneers, it is important to use a capillary break so moisture absorbed into these materials cannot be transferred into the primed panels.

Separate KWP Primed Engineered Wood Panels from these materials with a minimum of 5/16" (4.88 mm) space for horizontal or vertical joints. (See image 6 and 7)

ABOVE WINDOWS & DOORS

A minimum 1/2" spacing between flashing and the KWP Primed Engineered Wood Panel is required in order to allow for adequate drainage and air flow. Space nails 8" (200 mm) O.C. along edge of KWP Primed Engineered Wood Panel above windows.



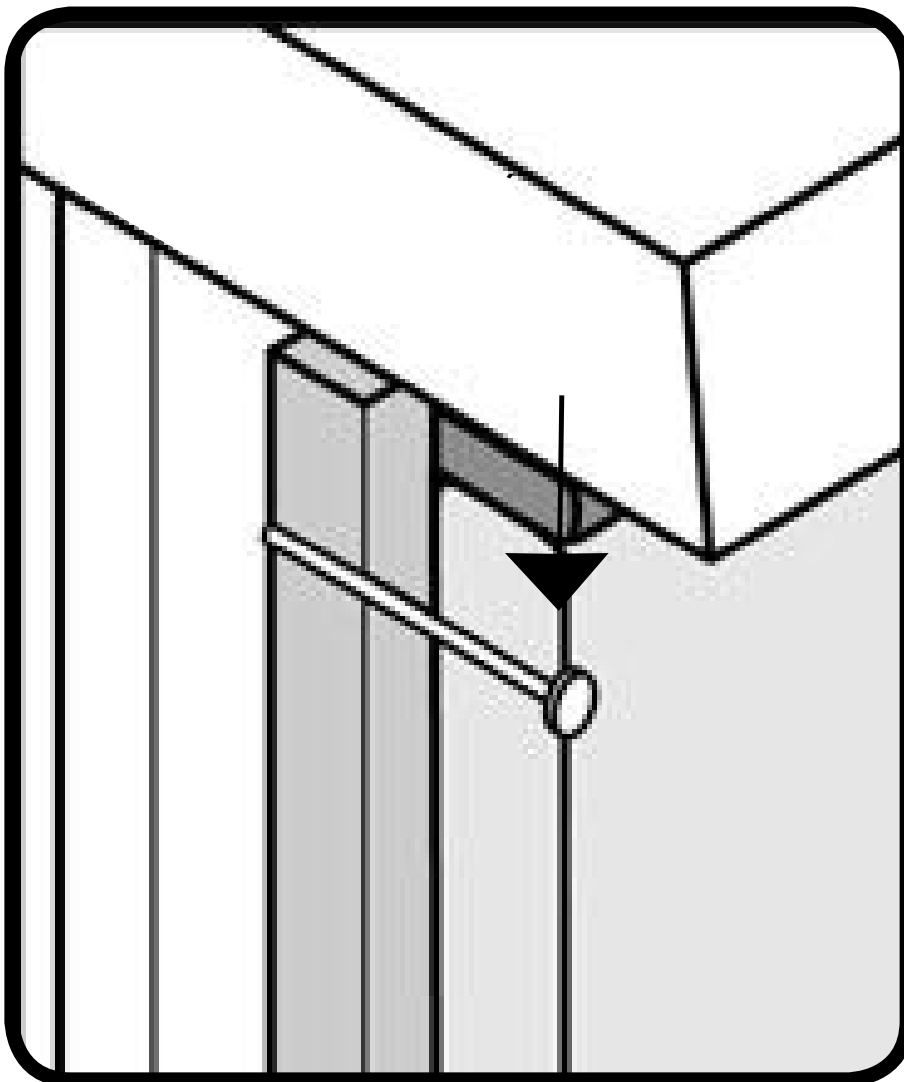
BELOW WINDOWS

Space nails 8" (200 mm) O.C. along edge of KWP Primed Engineered Wood Panel under windows. Do not force siding into place as this will cause buckling. ALWAYS LEAVE A 5/16" (4.88 mm) space where KWP Primed Engineered Wood Panel meets trim or other materials to allow for expansion and fill with caulking.

(See fig. 8)

BELOW ROOFLINES

Space nails 16" (400 mm) O.C. along edge of KWP Primed Engineered Wood Panel under rooflines. Do not force KWP Primed Engineered Wood Panel into place as this will cause buckling.

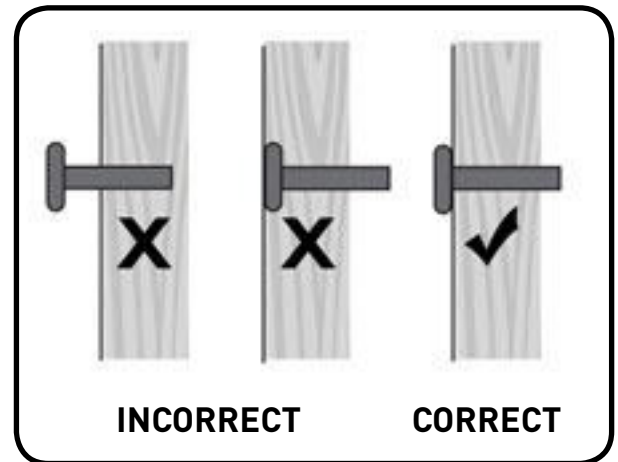


NAILING

KWP offers 2" (50 mm) spiral color-matched nails. Nail length will be determined by wall construction and in all cases must allow a minimum of 1 ¼" (32 mm) penetration into solid backing or 1 1/8" (28 mm) if spiral nails are used. There must not be more than 16" (400 mm) O.C. spacing between nails. Nailing should always start at one end of the KWP Primed Engineered Wood Panel and proceed toward the other end to prevent rippling. Ensure that strips are aligned at corners of the building. Do not countersink nail heads.

Particular attention is necessary when using an air nailing gun. Nails should have a minimum ¾" spacing from the top.

Staples can be used and should be a Galvanised or Stainless 7/16", 16 gauge staple with a length of 1.75" minimum.



Fastener spacing for KWP Primed Engineered Wood Panel installed as board and batten

Fastened with two nails at both ends, with additional fasteners spaced a maximum of 6 inches (152mm) o.c. along alternating edges **(fig 2, 3)**

Fastener spacing for Battens

Fastened with two nails at both ends, with additional fasteners spaced a maximum of 12 inches (309mm) o.c. along alternating edges of the length of the batten. **(fig 4)**

Exception: For Battens less than 2.5 inches (64mm) wide, 1 nail is required at each end, with additional fasteners spaced a maximum of 24 inches (305mm) o.c. along alternating edges **(fig. 5)**

Note:

Do not bridge floors with Primed Engineered Wood Panel installed or with Battens **(fig 6)**

Create a horizontal joint between floors

Horizontal joint must be flashed with sloped metal Z-Flashing

KWP Primed Engineered Wood Panel must be applied in a manner that will not allow moisture intrusion or water buildup.

FIGURE 1

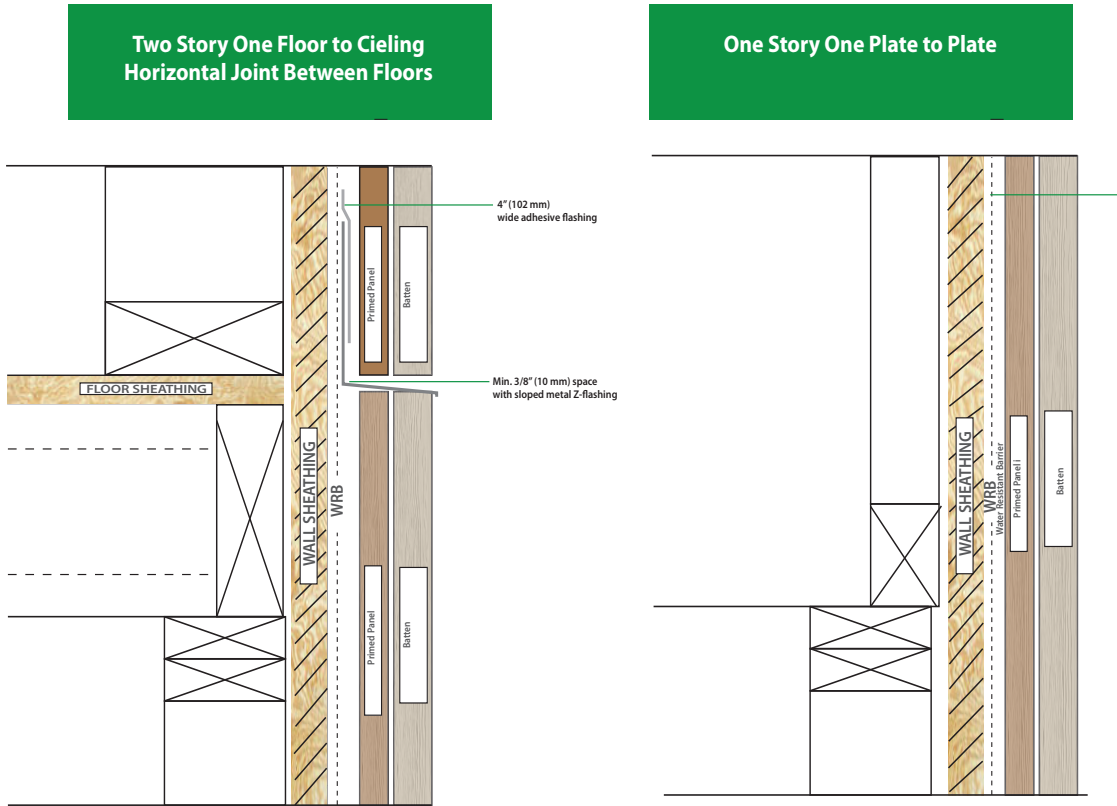


FIGURE 2

Preferred Batten Attachment 2.5" (64mm) wide or greater

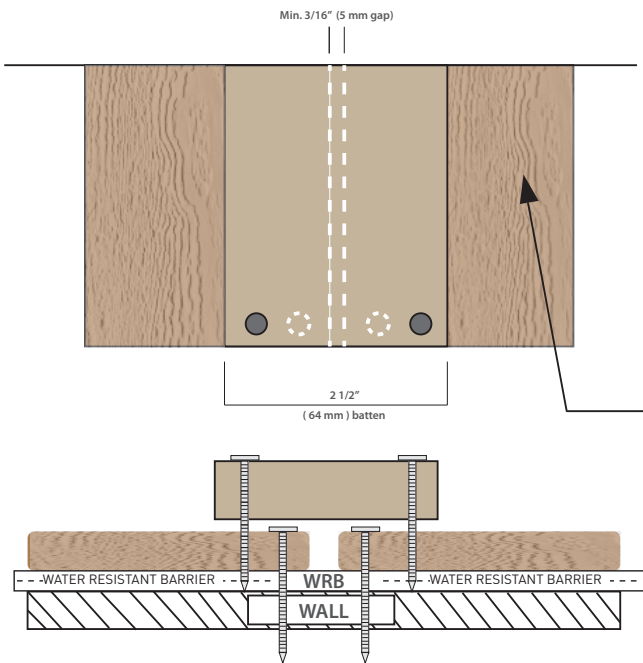


FIGURE 3

Alternate Batten Attachment Less Than 2.5" (64mm) wide

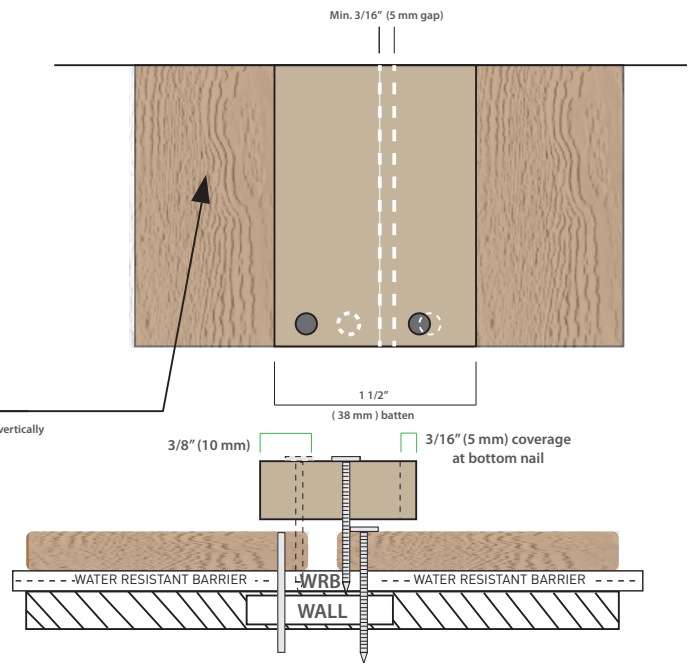


FIGURE 4

PREFERRED BATTEN
2.5" (64 mm) wide

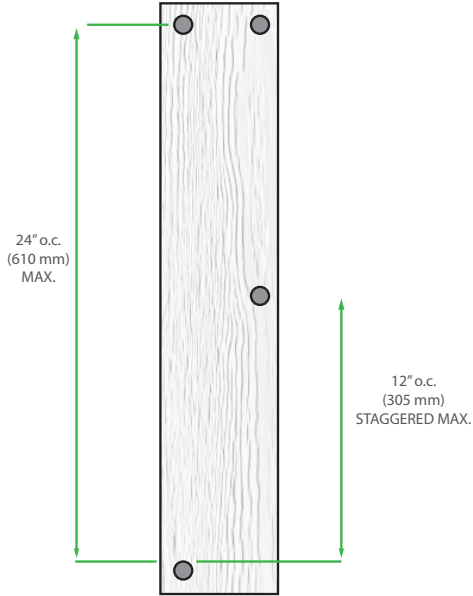


FIGURE 5

ALTERNATE BATTEN LESS THAN
2.5" (64 mm) wide

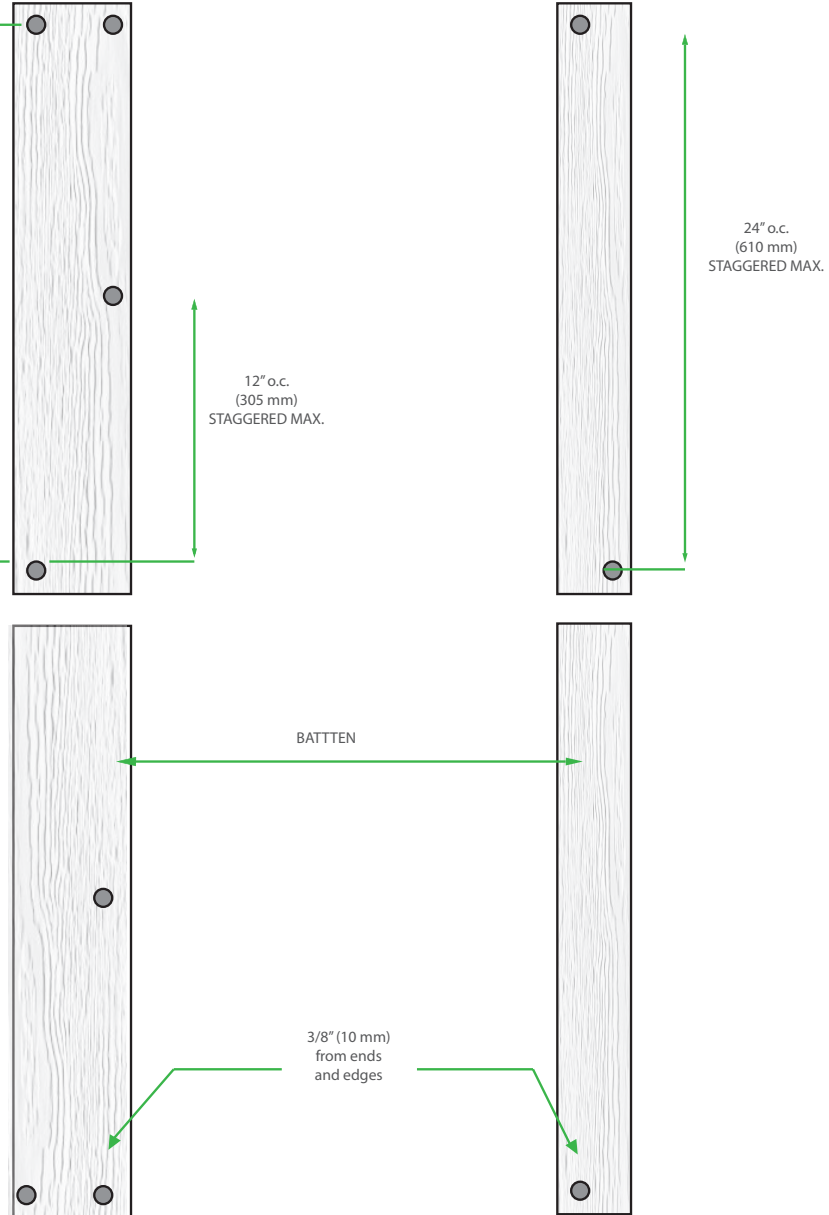


FIGURE 6

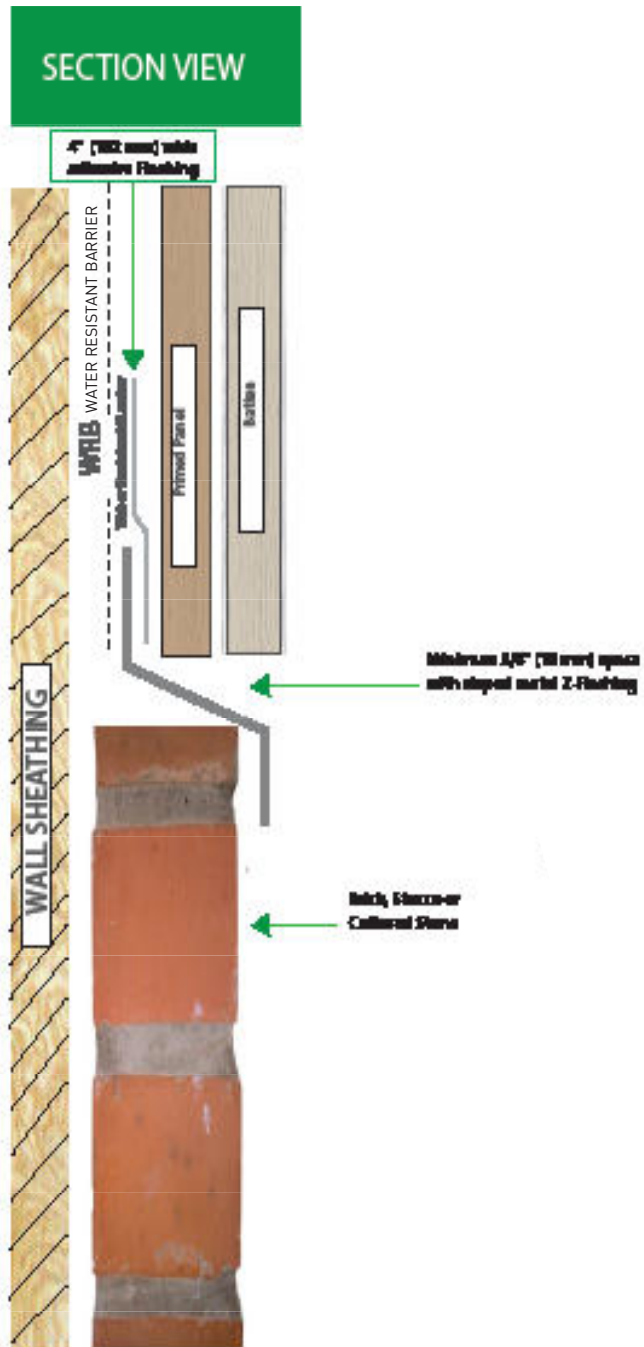
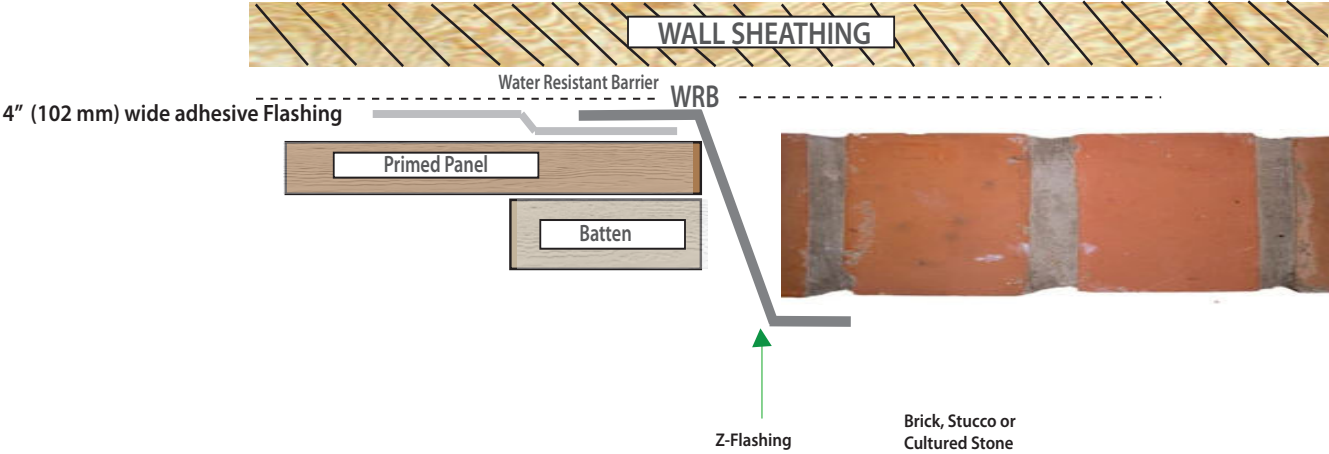


FIGURE 7

PLAN VIEW





NATURE AT ITS BEST...

All KWP Naturetech wood products and accessories are backed by a worry-free, KWP 50|25 year warranty.

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