

TYPAR® WEATHER PROTECTION SYSTEM – CANADA INSTALLATION GUIDE

VERTICAL WALL INSTALLATION

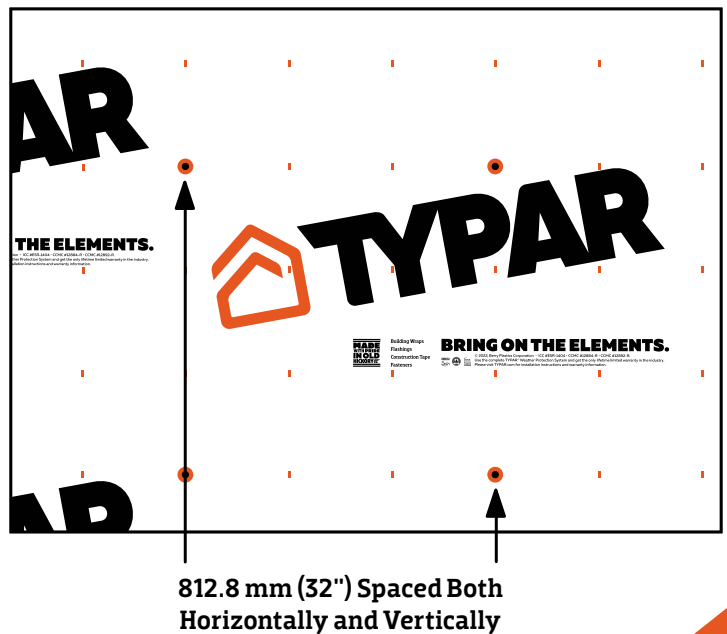
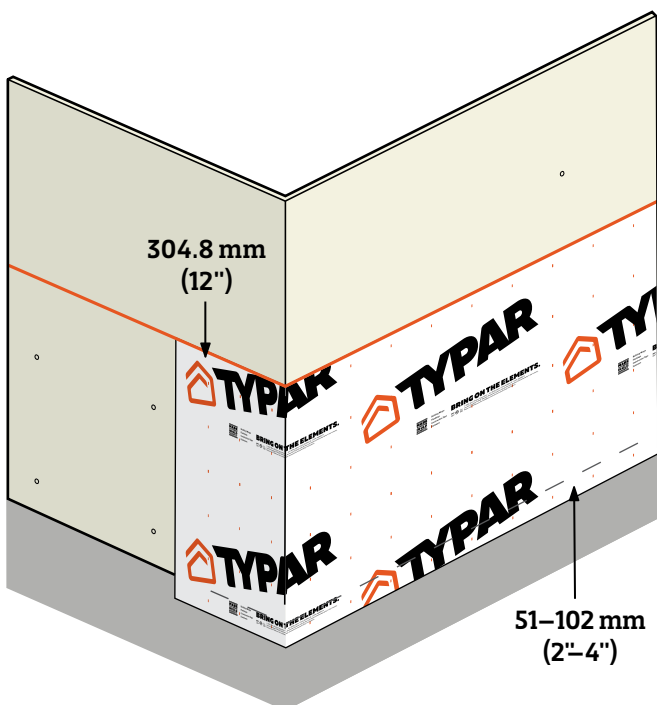
Install TYPAR® BuildingWrap™ or TYPAR®CA HouseWrap over an approved exterior sheathing after the framing is complete and before the windows and doors have been installed. Plastic-capped fasteners should be used and spaced at 812.8 mm (32") OC (vertically and horizontally) when being applied over 11.1 mm (7/16") OSB or 11.9 mm (15/32") plywood. When installing over metal framing, use screws with washers. If the windows and doors have already been installed, trim the TYPAR BuildingWrap or TYPAR.CA HouseWrap close to the window frame and flash according to the TYPAR® flashing instructions. All installation procedures and techniques must comply with local code requirements and the latest version of ASTM 2112. Note TYPAR.CA HouseWrap comes with a product-only warranty and is not covered under the TYPAR Weather Protection System Lifetime Limited Warranty.*

STEP 1

Start at the bottom of one end of the wall with the printed side facing out. When starting at a corner, overlap by a minimum of 304.8 mm (12"). Place the housewrap roll horizontally and roll out the first course evenly, covering rough window and door openings. A minimum of a 25.4 mm (1") overlap on the sill plate is required; however, for maximum protection, a 51–102 mm (2"–4") overlap on the sill plate is recommended. Pull the TYPAR BuildingWrap or TYPAR.CA HouseWrap snug and avoid wrinkles and creases. Ensure that the product is level.

STEP 2

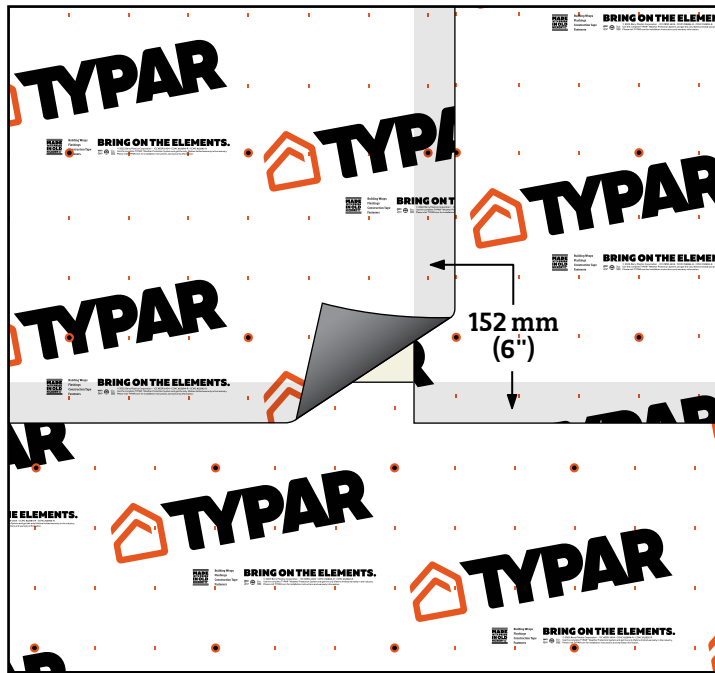
Fasten the TYPAR BuildingWrap or TYPAR.CA HouseWrap to the stud using plastic-capped nails or plastic-capped staples at 812.8 mm (32") OC, both horizontally and vertically.



VERTICAL WALL INSTALLATION

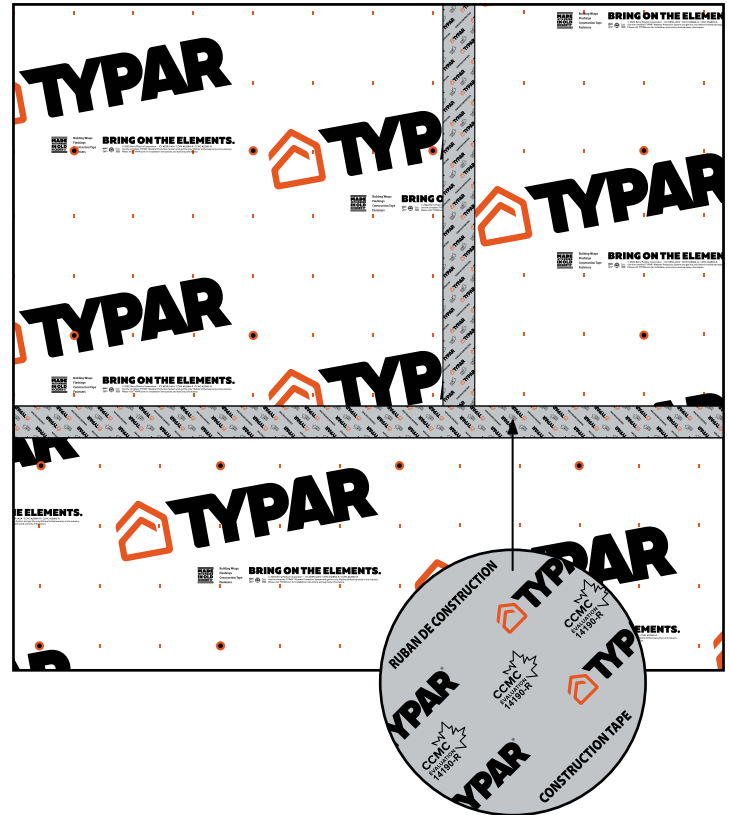
STEP 3

The upper layer of TYPAR® BuildingWrap™ or TYPAR® CA HouseWrap should overlap the bottom layer by a minimum of 152 mm (6") vertically and horizontally. Ensure proper shingling throughout the installation to properly shed water.



STEP 4

Once the structure is completely covered, tape all seams and penetrations using TYPAR® Construction Tape-CCMC. For reference, TYPAR Construction Tape-CCMC is a 63.5 mm x 55 M (2.5" x 180') roll designed specifically for the Canadian market and approved by Canada Construction Materials Centre (CCMC, approval #14190-R).



STEP 5

After the installation is complete, and before the exterior cladding is installed, inspect the TYPAR BuildingWrap or TYPAR.CA HouseWrap for tears. Repair the issues with TYPAR Construction Tape-CCMC or TYPAR® flashing.

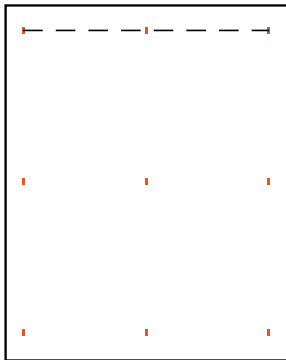


WINDOW AND DOOR PREPARATION

PREPARING FOR WINDOW INSTALLATION

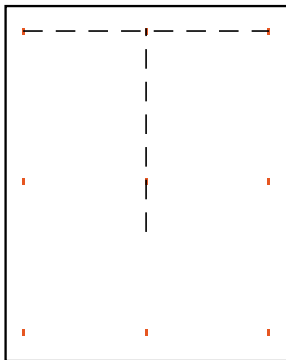
STEP 1

After wrapping the structure and covering all rough openings, cut a horizontal line across the top of the window opening. The cut should not extend past the rough opening.



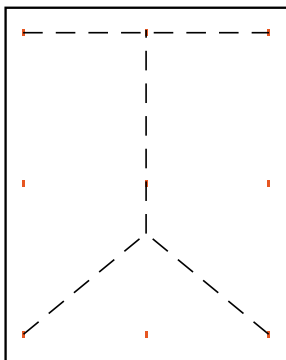
STEP 2

Start at the top center and make a vertical cut running two-thirds of the way down the opening.



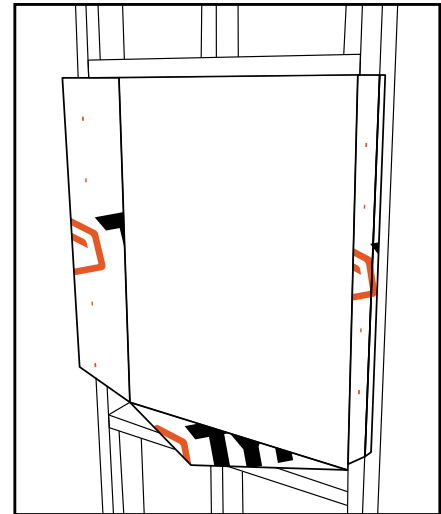
STEP 3

From that stopping point, cut diagonally to both lower left and right corners of the opening.



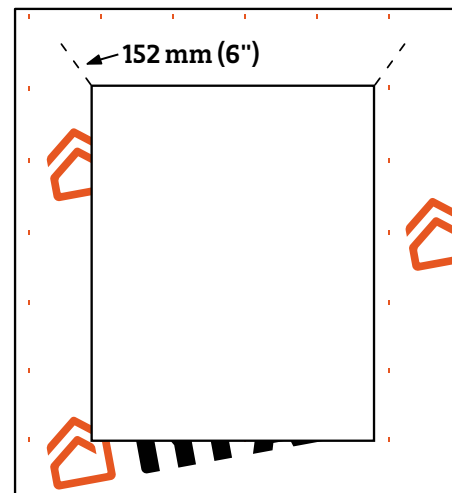
STEP 4

Pull each of the flaps tightly inside the rough opening, and attach them to the frame with nails, staples, or tape.



STEP 5

At the window header, make a 152 mm (6") diagonal cut at a 45° angle on both corners. Fold the material up exposing the sheathing. Now install the window or door according to the manufacturer's instructions. The final step is to flash all seams and flanges securely (refer to TYPAR® flashing instructions). TYPAR flashing should also be installed in accordance with window manufacturer's instructions and according to the ASTM 2112 standard.



TYPICAL WINDOW FLASHING

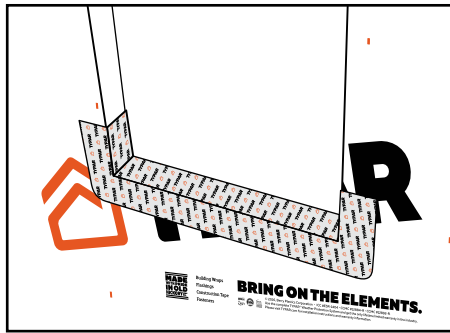
STEP 1

Install the window sill pan according to the manufacturer’s instructions. Alternatively, you can create a sill pan using TYPAR® Flexible Flashing. Cut a piece that is 304.8 mm (12”) longer than the length of the rough opening window sill.

Carefully peel off the release liner. Center the flashing in the center of the rough opening and work your way toward the corners and then up the sides. Note: the Flexible Flashing should overlap to the outside of the wall by 51–76 mm (2”–3”). Only stretch the flashing in the corners.

Alternatively to above, you can create a sill pan by installing TYPAR® straight flashing along the bottom sill and installing TYPAR Flexible Flashing on the corners only.

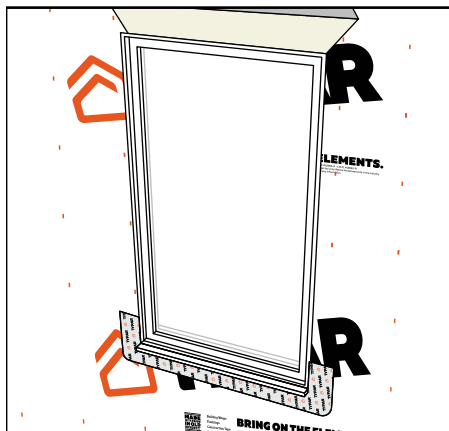
If needed, secure the fanned edges of the TYPAR Flexible Flashing with a plastic-capped nail or plastic-capped staple.



STEP 2

Apply a continuous bead of sealant to the back of the window or on the wall. Do not apply the sealant across the bottom of the sill or on the bottom of the window. This area is left open to allow for proper drainage.

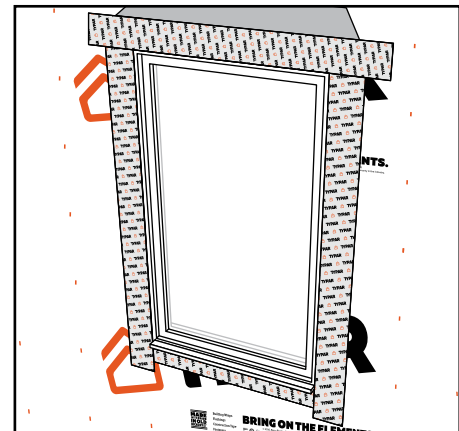
Install the window according to the manufacturer’s installation instructions.



STEP 3

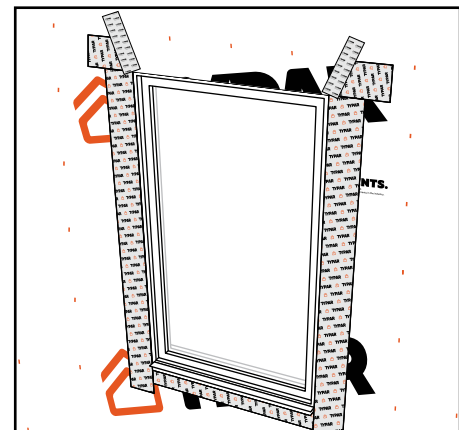
Cut two pieces of TYPAR flashing long enough to extend 25.4 mm (1”) above the window head flange and 25.4 mm (1”) below the window sill flange. Carefully peel off the release liner and apply the flashing on both sides of the window. Make sure to cover the entire window flange, and press firmly either by hand or using a J-roller. Ensure there are no wrinkles or bubbles.

Cut a piece of TYPAR flashing for the head flashing. Ensure that the piece is long enough to extend by 25.4 mm (1”) on both sides of the jamb flashing. Remove the release liner and carefully install the flashing. Cover the window flange and press firmly by hand or using a J-roller.



STEP 4

Release the upper flap of the TYPAR® BuildingWrap™ or TYPAR® CA HouseWrap that you cut earlier. Tape the 45° cuts using TYPAR® Construction Tape–CCMC or TYPAR flashing. DO NOT tape the TYPAR BuildingWrap or TYPAR.CA HouseWrap along the top of the window flange.



FLASHING ARCHED WINDOWS

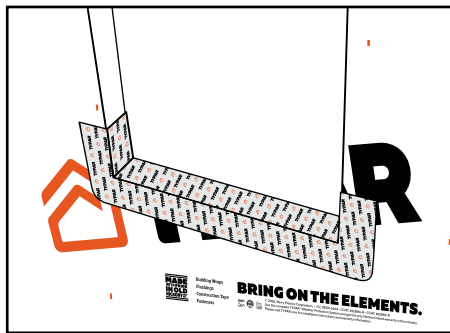
STEP 1

Start with the TYPAR® Flexible Flashing. Cut a piece that is 304.8 mm (12") longer than the length of the rough opening window sill.

Carefully pull off the release liner. Center the flashing in the center of the rough opening and work your way toward the corners and then up the sides. Note: the Flexible Flashing should overlap to the outside of the wall by 51-76 mm (2"-3"). Only stretch the flashing in the corners.

Alternatively to above, you can create a sill pan by installing TYPAR® straight flashing along the bottom sill and installing TYPAR Flexible Flashing on the corners only.

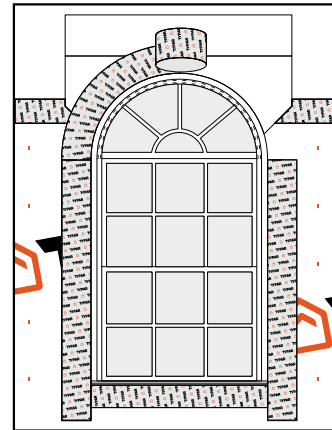
If needed, secure the fanned edges of the TYPAR Flexible Flashing with a plastic-capped nail or plastic-capped staple.



STEP 3

Cut two pieces of TYPAR flashing long enough to extend 25.4 mm (1") above the window head flange and 25.4 mm (1") below the window sill flange. Carefully peel off the release liner and apply the flashing on both sides of the window. Make sure to cover the entire window mounting flange, and press firmly either by hand or using a J-roller. Ensure there are no wrinkles or bubbles.

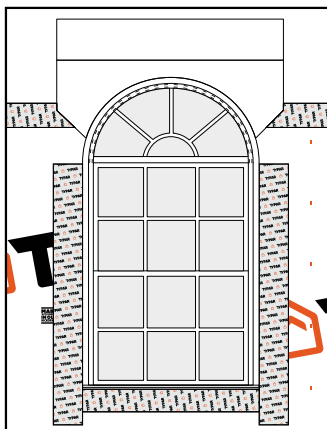
For the head flashing, cut a piece of TYPAR Flexible Flashing 304.8 mm (12") longer than the length on the window arc. Carefully begin to peel off the release liner and install the flashing to the contour of the window flange as you go. The head flashing should overlap the jamb flashing by at least 152 mm (6"). If needed, use button fasteners to secure the outer edges.



STEP 2

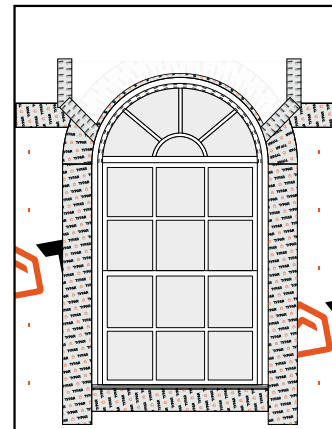
Apply a continuous bead of sealant to the back of the window or on the wall. Do not apply the sealant across the bottom of the sill or on the bottom of the window. This area is left open to allow for proper drainage.

Install the window according to the manufacturer's installation instructions.



STEP 4

Flip down the TYPAR® BuildingWrap™ or TYPAR®.CA HouseWrap that you cut earlier. Trim the TYPAR BuildingWrap or TYPAR.CA HouseWrap tight to the window arc if needed. Tape the seams using TYPAR® Construction Tape-CCMC. DO NOT tape along the window arc.



FLASHING PENETRATIONS

Penetrations such as exhaust fans, exterior electrical outlets, dryer vents, exterior lights, and gas outlets are a common entrance for bulk water into the wall cavity. Using TYPAR® flashing will ensure proper water holdout and maintain the integrity of the structure.

The method is similar to flashing a window. Start by flashing the bottom of the penetration. Ensure to shingle the upper tape over the bottom tape.

Some penetrations have flanges, such as dryer vents. These penetrations should be flashed according to the details below.

STEP 1

Install the vent according to the manufacturer’s recommendations. Trim the housewrap as close as possible around the perimeter of the vent.

STEP 2

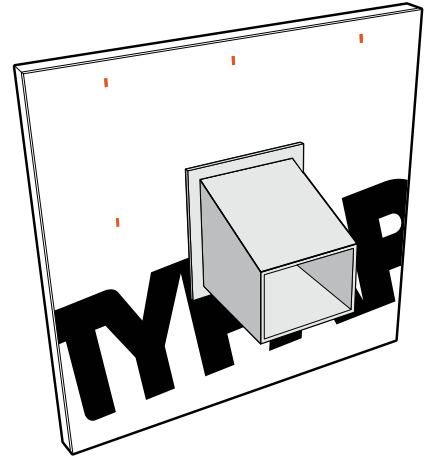
Flash the vent using the same method as windows. Starting at the bottom flange, cut the flashing so that it extends past the flanges by 25.4 mm (1") on both sides. Now apply the flashing to the sides of the vent. Remember to extend the flashing 25.4 mm (1") on both top and bottom. Make sure to smooth out wrinkles and air bubbles. The use of a J-roller is optional.

STEP 3

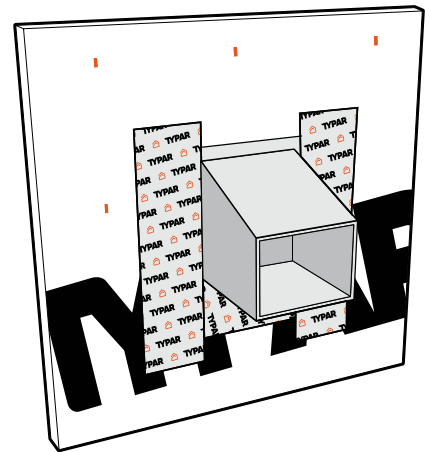
The final step is to install the flashing across the top. Extend the flashing out at least 25.4 mm (1") on both sides.

Note: This type of installation is suitable for several different penetrations. Always use the shingling method and ensure a tight seal around the flange/penetration.

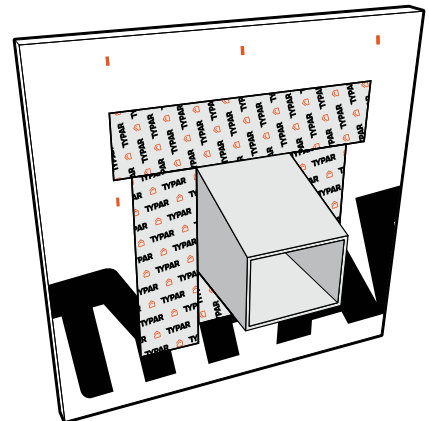
1.



2.



3.



* Certain limitations and exclusions apply. See the TYPAR® Weather Protection System Limited Warranty located online at TYPAR.com/downloads for full details.

