

MAC

METAL ARCHITECTURAL



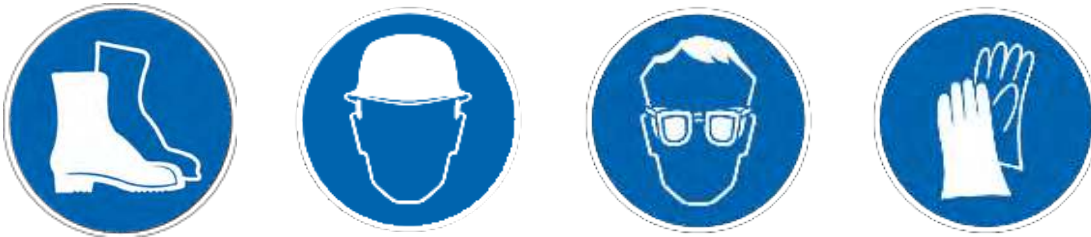
Installation guide

MS 14 Metal Siding



CAUTION:

The material may have sharp edges. We recommend using protection equipment, including safety boots, helmet, goggles and gloves.



WARRANTY

FOR THE WARRANTY TO BE APPLICABLE, INSTALLATION MUST BE CARRIED OUT IN ACCORDANCE WITH THE STANDARDS SET OUT IN THE UPDATED BUILDING CODE, ALONG WITH THE MANUFACTURER'S RECOMMENDATIONS.

INSPECTION

When you receive your order, it is important to inspect the product immediately. If there are any issues with your order or if panels arrive damaged, you should inform your supplier as soon as possible.

HANDLING

Handle the box with care, ensuring to move it only vertically.



WOOD COLLECTION

The Wood collection includes six planks with varying grains and nuances. Please ensure that the planks are installed in random order. Each plank is stamped on the reverse side with a 1 to 6 digit sequence in bold character preceded with the pound sign. If you pay particular attention to this when installing the siding, you will undoubtedly optimize the look of your project.

*Please note that the boxes come pre-mixed and that each contains twelve 12' planks, for a total of 72 sq. ft.



STORAGE

To keep the aesthetic and physical properties of MAC Metal Architectural's MS 14 metal siding intact, it is important to follow some basic rules for storage.

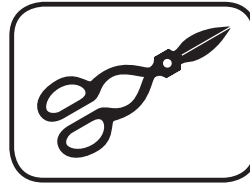
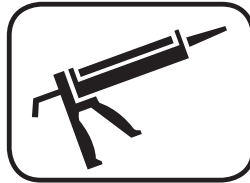
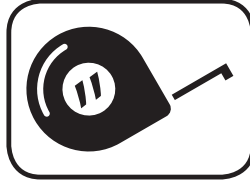
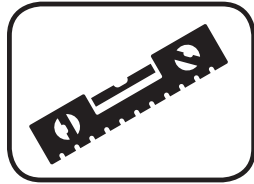
If the panels cannot be installed immediately upon delivery, store them indoors in a dry, well-ventilated area. Customers are responsible for risks involved with storing panels outdoors. However, if the material must be stored outside, here are a few recommendations:

Place the panels in an area with no direct exposure to the sun or to extreme temperatures, as these factors may cause the protective coating to further adhere to the panels. This can make the coating more difficult to remove, and leave glue marks on the panels.

We also recommend using a tarp to protect the materials from temperature fluctuations.

1. TOOLS

To complete the work correctly, you will require a MAC cutter (MAC Kut Haus SX14), a MAC metal folder or a pair of folding tongs, a drill, and a pair of sheet cutters. You will also need a level, a tape measure and safety goggles. MAC Metal Architectural equipment is available at the MAC supplier nearest you.



2. ACCESSORIES

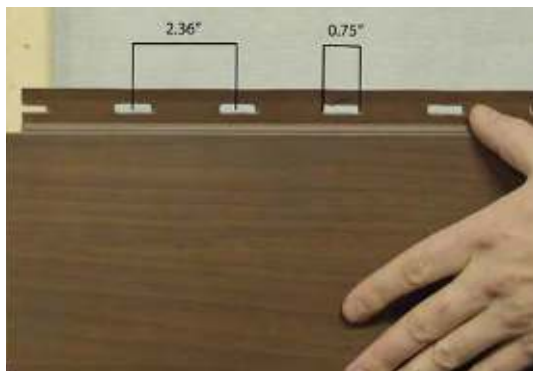
Here is a list of accessories required to install and finish MS 14 siding:

- MAC wood screws or metal screws, depending on the type of project
- MAC waterproof membrane
- Adhesive elastomeric membrane
- Steel roll*
- Mouldings
- MAC sealant
- Anti-intrusion grid

*Steel rolls can be provided for finishing work

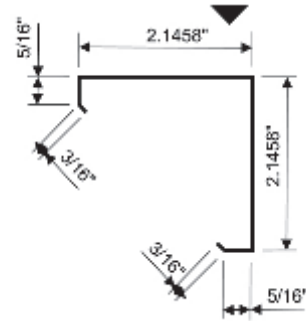
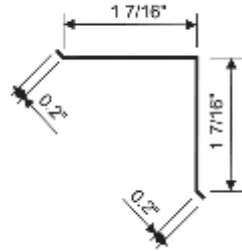
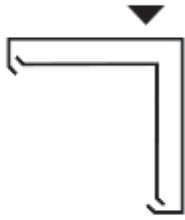
PANEL FEATURES

- 0.16"-wide screw rail along the entire length of the structure
- 3/4" holes for screws, with 2.36" between each hole (centre to centre).

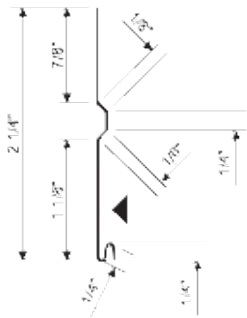


MS14 TRIM & FLASHING

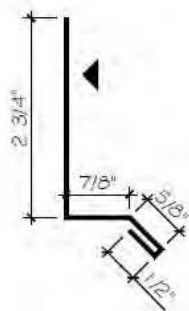
1401
Outside corner



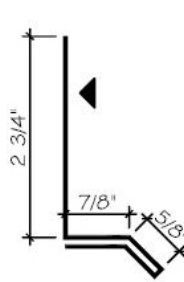
1402
Start r strip



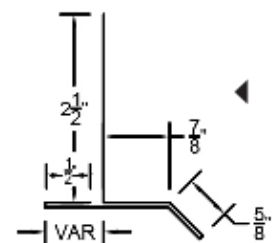
1403
Base flashing



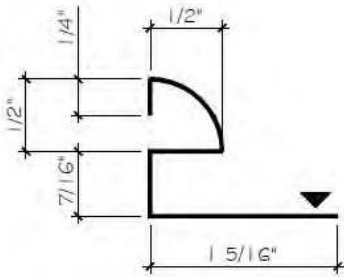
1404
Base flashing



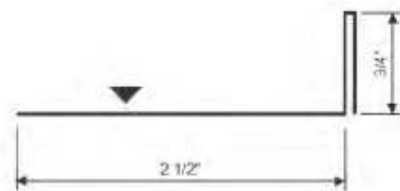
1405
Base flashing



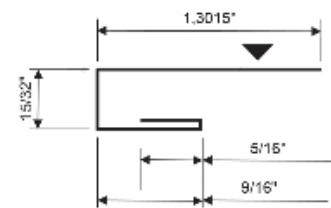
1407
QJ Trim inside corner



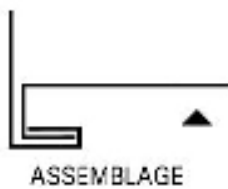
1409
Double L Trim



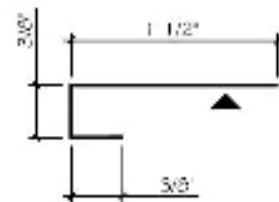
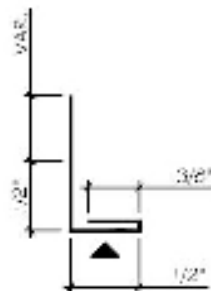
1410
J Trim



1412
Extended 2 piece J Trim

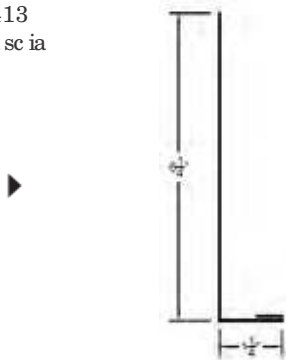


ASSEMBLAGE

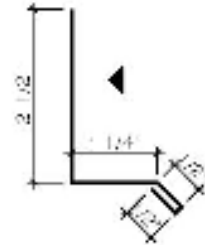


MS14 TRIM & FLASHING

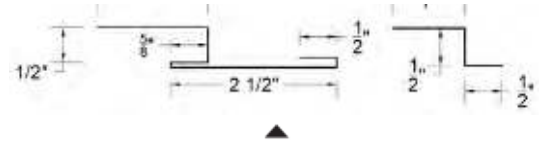
1413
Fascia



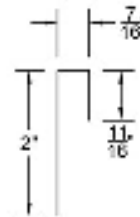
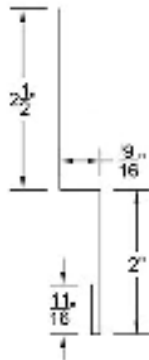
1414
Window & door J flashing



1416
Transition molding



1415
Transition joint



3. PREPARATION

Before beginning the first step, ensure that the construction of the surface to be covered with MS 14 siding complies with all current industry standards.

Please check with your local authorities regarding the installation of metal or wood furring. If they are not needed, then it's okay not to install them.

4. INSTALLATION

Before beginning to install the siding, ensure that your walls are square and level.

MS 14 wall siding can be installed horizontally, vertically or diagonally.

4.1 Starter Strips

Using a laser-guided level, a chalk tracer or a standard level, trace a reference line as a guide to insure the starter strip is in place.



Now, fix the #1402 starter strips 2 3/4" above where you want your wall to begin. Use MAC 1/2" flathead metal screws or MAC 1 1/8" flathead wood screws. Secure the strip using one screw. When you are satisfied with the alignment, screw the rest of the strip in place.

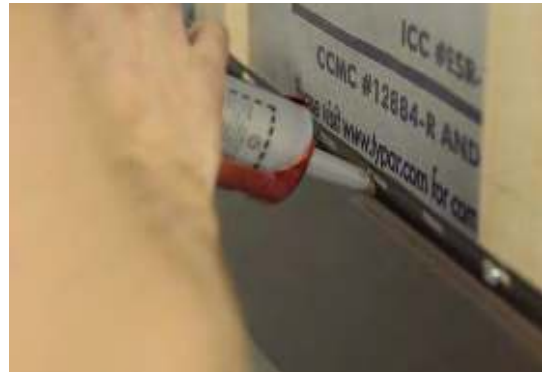
****Ensure that the starter strip is level, as it will serve as a guide for the rest of the installation.**



4.2 Sealant

It is important to apply 1" W x ¼" H strips of MAC sealant at 24" intervals along the plank joints and/or starter strips. Strips of sealant must be applied in the seams of the groove so as not to be visible. Apply the strip of sealant under the holes designed for the screws, in order to avoid the sealant from overflowing and staining the plank when the next plank is inserted beside it.

*Please insure to clean the sealant immediately before it dries.



4.3 Plastic membrane

Whenever possible, only remove the plastic membrane once the siding has been installed.



4.4 Screws

Tighten screws by applying moderate pressure to the metal to allow expansion. Screws should not be placed under upward or downward pressure to avoid deforming the siding and/or opening the joints.

*Screws should be installed every 16" in the middle of the pre-cut holes, to allow expansion.



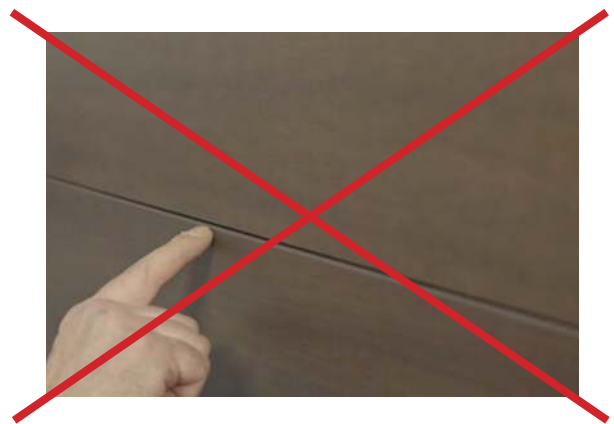
Metal screw



Wood screw



If a section of furring strip appears not to be aligned, we recommend leaving some space between the wall and the furring strip of the metal siding once the screw has been inserted. This will avoid placing too much pressure on the product, which can cause an undesired effect.



4.5 Cutting

If you need to cut the panels, use the specialized MAC (SX14) cutter for MS 14 siding, recommended by MAC Metal Architectural. You can also use if needed a snip or a shear.

*Although the use of an electric saw is **not recommended** or covered by MAC Metal Architectural, ensure that your material is well covered in order to avoid any flying debris from coming into contact with the steel, which will automatically cause damage. Blo tches of discoloration and rust would attack the steel in these areas soon thereafter.



4.6 Joints

Only factory cuts should be used for wall joints and cutting onsite should only be done for wall mouldings.



4.6 Expansion

When joining the panels along their length, a space must be left for the dilation and expansion of the material, depending on the temperature during installation. A 1/16" space should be left between planks and 1/8" for mouldings. For buildings made of new wood and with more than one story, an expansion joint should be used on the main floor. Moulding #1415 should also be used for edging between the two materials.

5. INSIDE CORNER

5.1 Lsteel corner

Place an L-shaped steel corner or ahesive elastomeric membrane directly on the weather-stripping or furring strip.



5.2 QJ Trim inside corner

Continue cladding the siding on one of the walls, and attach the QJ corner mouldings for inside corners (#1407). Continue installing siding on the other wall, while ensuring to slide the planks right to the end of the QJ inside-corner mouldings.



6. OUTSIDE CORNER

Outside moulding corner #1401 should be installed in two steps:

6.1 Step 1, Corner moulding

After completing the installation of the siding on two adjacent walls, fix the mouldings in place using screws.



6.2 Step 2. Finished trim

Randomly apply drops of MAC sealant inside the trim mouldings before stapling them in place. Apply a 1" W x ¼" H strips of MAC sealant at 24" intervals along the trim.



**If you do not have an anchor point, you must secure the corner with a screw, then trim and fold back the bottom of the trim moulding to create a surface area to hold it in place.



7. WINDOW FRAMING

7.2 Adjustment

Measure and adjust the plank appropriately before attaching it.

If the board does not come flush with the height of the wall, cut it an extra 1/2" of space in order to fold it at a 45 degree angle. Then set the extra piece backwards to add support, and staple the folded sheet onto the extra piece.



7.1 Step 2. Soffite J Trim installation

If the wall that you are cladding has a window, start by installing a J moulding #1410 around the three sides of the window. Then install a drip cap over the top of the window frame.



7. WINDOW FRAMING

7.3 Around the window

Continue installing the siding around the sides of the window, while ensuring to place planks with different numbers in random order.



7.4 The top of the window

You must install a drip cap before placing the first plank above the window.

If the plank does not come flush with the height of the wall, cut it with an extra 1/2" of material in order to fold it at a 45 degree angle. Then set the extra piece backwards to add support, and staple the folded sheet onto the extra piece.

As shown in section 7.2.



7. WINDOW FRAMING

7.4 The top of the window



8. WALL TERMINATION

8.1 Adjustment

Measure and adjust the final plank accordingly, using an electric shear, before attaching it to the J moulding.



If the plank doesn't come flush with the height of the wall, place the extra piece backwards onto the J moulding to add support to the plank that was cut.



8.2 Soffit J-Trim

Install a soffit J-Trim moulding at the top of the wall.



9. REPLACING PLANKS

It is entirely possible to replace planks, We suggest taking a moment to view the related video under the “Siding” section of our website, at the bottom of the page on MS 14 siding.

For more information on the installation of MAC Metal Architectural MS 14 sidings, go to **MAC**metalarc hitec tural.c om for **all installation videos** or contact us directly at 888-464-5486



MAC

METAL ARCHITECTURAL

MAC Metal Architectural Inc.
3099, Bernard-Pilon, McMaisteville (Quebec) J3G 4S5
T 450-464-5486 | TF. 888-464-5486 | F. 450-464-4538
info@macmetalarchitectural.com
MACmetalarchitectural.com