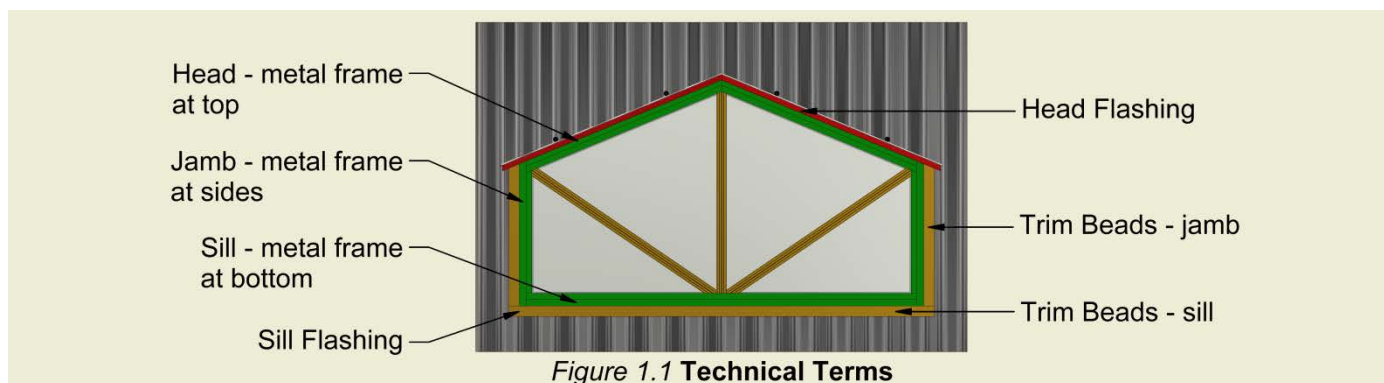


RECOMMENDED BARN WINDOW INSTALLATIONS DETAILS

1. Technical Terms



2. Accurately Locating the Barn Window and Cutting the Opening

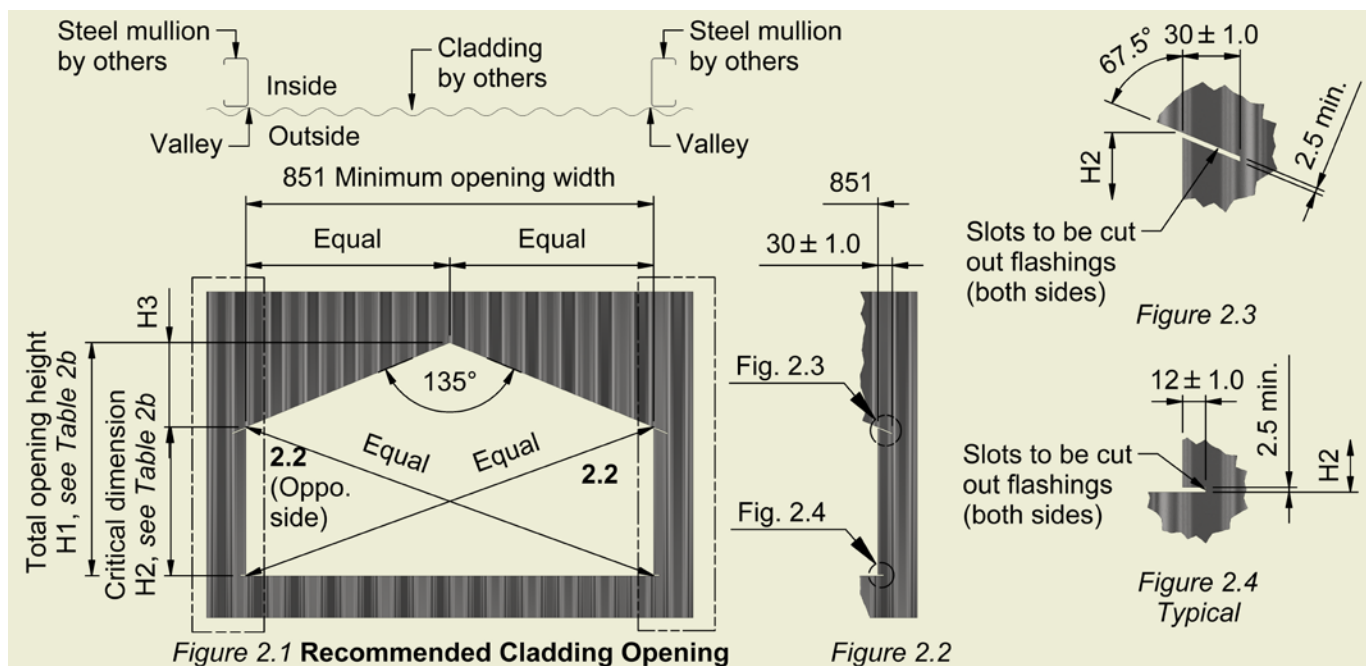
AMIA supply Barn Windows **with Trim Beads** and also offer you a choice **without Trim Beads**. The Installation Guide will provide information for both options.

AMIA recommends the installation of head flashing in order to comply with **National Construction Code 2019 Volume 2 Clause 3.4.5.6** unless windows/doors are protected by an awning or similar roof. AMIA do not supply steel flashings. Steel mullions are recommended to be installed along the jambs.

IMPORTANT! The cut dimensions should finish in the pan or valley equally at both jambs. **DO NOT position the jamb(s) on a ridge in the cladding.** Some builders may prefer to fix windows prior to cladding the wall; however the risk of doing this may mean adjusting the sheets to match the location of the window. **If CORRO® cladding is used; AMIA does not recommend installing Sliding Glass Window before cladding walls.**

AMIA has shown 1 type of head flashing shown in **STEP 3**. Trim Beads in the pitched apex are redundant if a head flashing is provided. Cut out dimensions for opening width and height are found in **Table 2a, Figure 2.1 and Figure 2.2**. Slots for head flashing to be cut as indicated in **Figure 2.3 and 2.4**.

Select the Barn Window position by marking the centre dimension of the window on the wall. Mark the cut out dimensions. Check the opening is level and square by checking diagonal measurements.



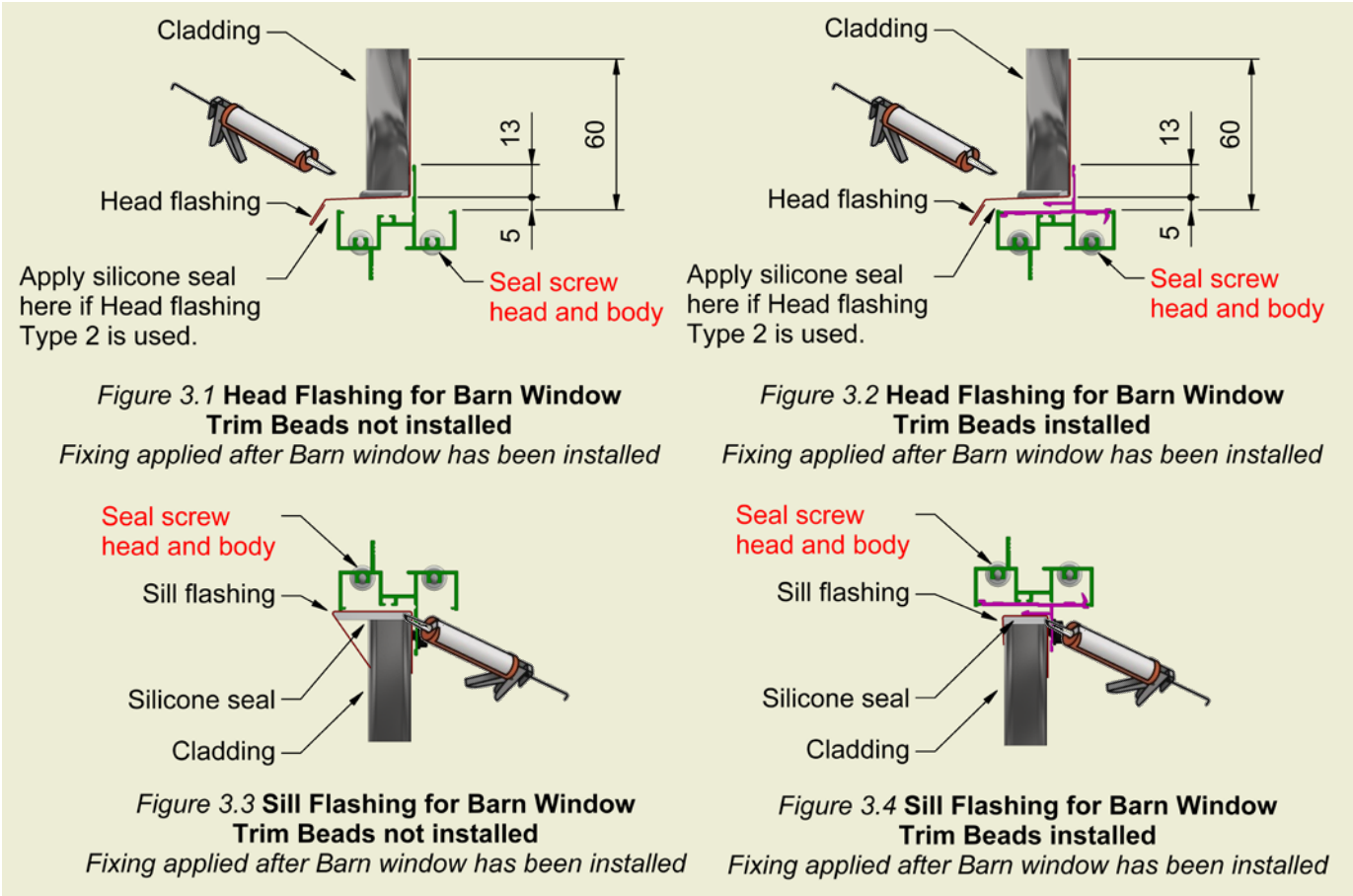
NOTE: If Barn Window is installed in a CORRO[®] cladding, the apex of the window should be in the profile peak. Install a lintel to fix the Flashings.

Table 2a. CLADDING STANDARD OPENING HEIGHT			
	Total Opening Height, H1	Critical Dimension, H2	H3
Trim Beads not Installed	484	307	177
Trim Beads Installed	487	310	177

All dimensions are in millimetres

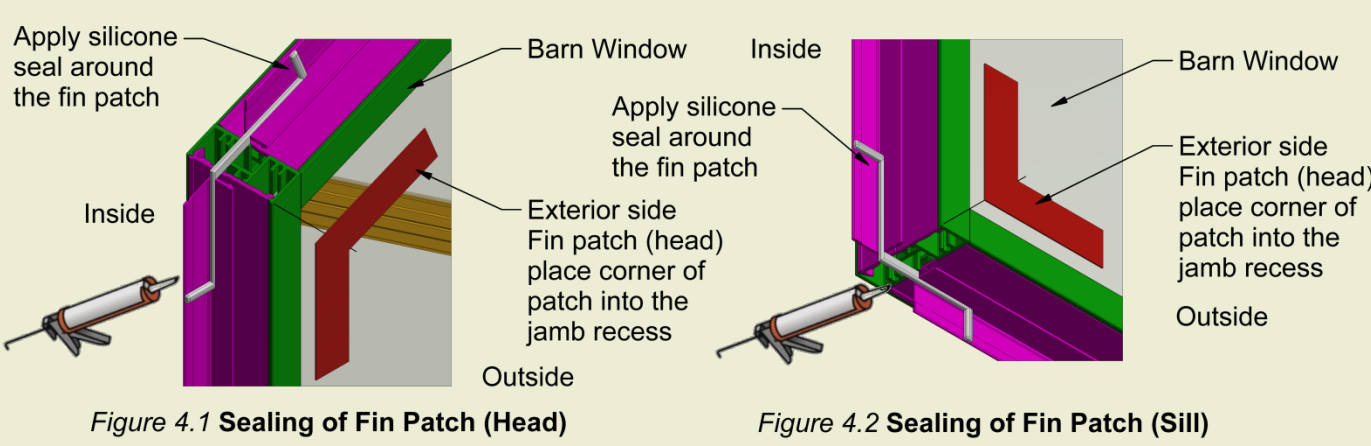
3. Head Flashing and Sill Flashing Details – (recommended and supplied by others)

AMIA recommends the installation of head flashing in order to comply with **National Construction Code 2019 Volume 2 Clause 3.4.5.6** unless windows/doors are protected by an awning or similar roof. AMIA do not supply flashing. Steel mullions are recommended to be installed along the jambs. If Head flashing are used, discard the Head Trim Beads.



4. Sealing the Barn Window

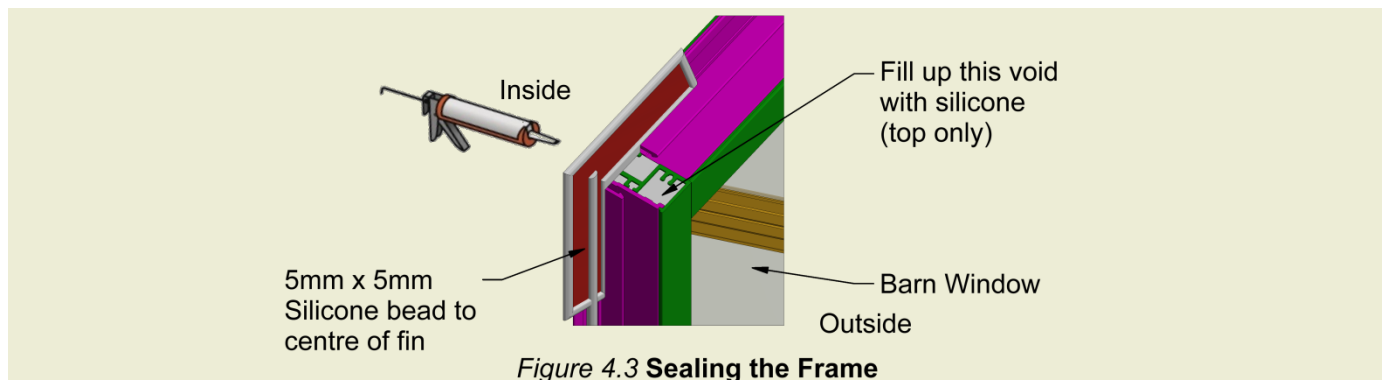
Apply silicone seal in all fasteners both body and head as shown in **Figure 3.1** to **3.4**.



Fill up the void of jamb with silicone seal as shown in **Figure 4.3**.

Install fin patch in both sides of the frame head corners as shown in **Figure 4.1** and **4.2**. Apply silicone seal around the fin patch and to the door frame fin and press the fin patch firmly to seal.

Provide a 5mm x 5mm bead of silicone seal all the way around the exterior face of the window fin, in the center of the fin as shown on **Figure 4.3**. Smear silicone across the join in the fins to seal these joins. Smear sealant across the joins at the junction of the window head and jamb extrusion. Repeat at the joints of the jamb to the sill.

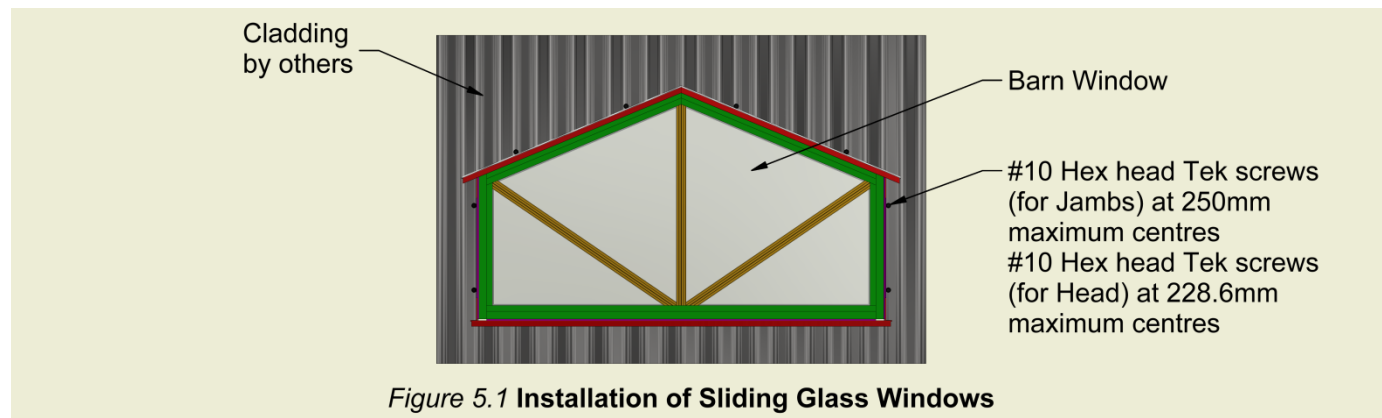


5. Installing the Barn Window

- Place the Barn Window in the opening from inside the building.
- Screw the first self-drilling screw externally through the cladding into the window fin, along the Barn Window head to hold the window in place.
- Provide internally, structural members (or **AMIA** stiffener) to the jambs (minimum). Then place all the remaining self-drilling screws around the perimeter. These screws should be 5mm away from the cut opening to align centrally with the Barn Window fin.

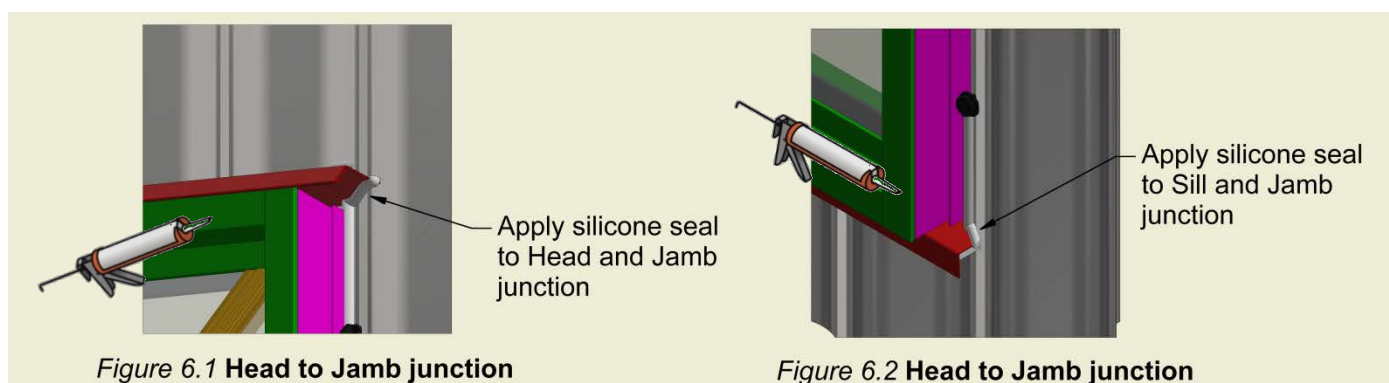
NOTE: **AMIA** recommend Class 4, #10 self-drilling screws at 150mm maximum centres, or, #8 gauge self-drilling screws at 125mm maximum centres for Cyclonic regions, and 300mm or 250mm centres respectively for Non Cyclonic regions. **(These screws are NOT supplied by AMIA with the Barn Window.)**

Apply silicone seal along cladding to seal the head flashing. Fix the flashing using #10 Hex head Tek screws as shown in **Figure 5.1** below.



6. Complete the Sealing Externally

To complete the sealing we recommend running a full bead of silicone seal vertically down each jamb externally to seal the junction of the jamb to the wall cladding. Particular attention must be given to seal the junction of the jamb to the head and sill as shown **Figure 6.1** and **6.2**.



7. Installing the Trim Beads

If Head Flashing is used, discard the Head Trim Bead.

If you are using the “CORRO®” cladding profile, and it runs **vertically**, you will need to cut the Trim Bead to the head and sill only. If the cladding runs **horizontally**, then the jamb Trim Beads only need to be trimmed. These Trim Beads can be trimmed with a hacksaw or tin snips. Trimming is only required when installing to “CORRO®” profile as shown in **Figure 7.1** and **7.2**.

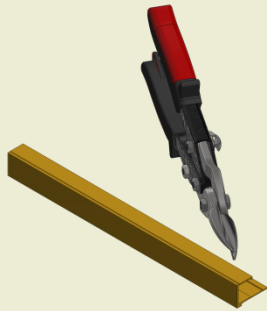


Figure 7.1 Trimming of Head Trim Bead

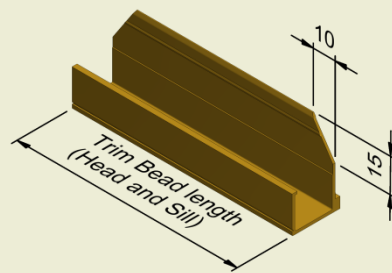


Figure 7.2 Cutting Dimension of Head Trim Bead

NOTE: IF YOU ARE USING 28mm PROFILE CLADDING (“TRIMDECK®” and “MONOCLAD®”). The Trim Beads along the head and sill require removal of part of the Trim Bead.

NOTE: THIS PROCESS IS NOT REQUIRED WHEN INSTALLING TO “CORRO®”, “MULTICLAD®” AND “K PANEL®” PROFILES.

There is a small “V” in the shorter leg of the Trim Bead which allows this metal to be easily removed. Removal of this short leg is necessary to allow the Trim Bead to rest against the ridges in these cladding sheets. Refer to **Figure 7.3** and **7.4**. To remove this, simply start one end using pliers, wriggle pliers vertically to start a tear, then begin to rotate the pliers and the metal will tear away at the “V”. Continue rotating the pliers removing the metal along the entire length of the Trim Bead.

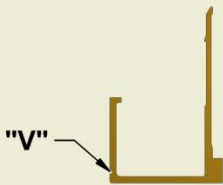
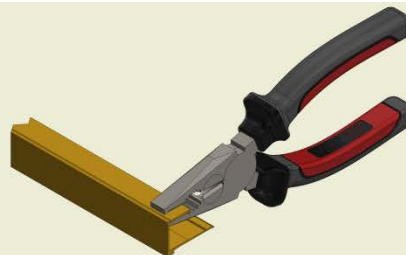
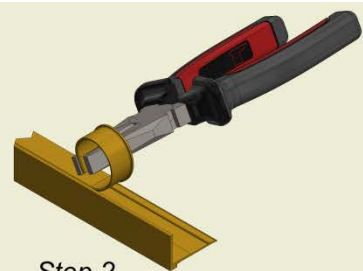


Figure 7.3 Trim Bead “V”



Step 1



Step 2

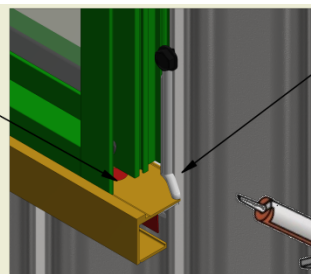
Figure 7.4

The head and sill Trim Beads are longer than the head and sill dimensions of the Barn Window frame.

- Align the **sill** Trim Bead first making it equidistant past the edge of the Barn Window jambs on both ends. Guide the longer leg of the bead between the locating leg on the fin and the external of the framing. Push firmly, beginning at one end, until a “snap” sound is heard. This is the positive engagement of the Trim Bead locking into position and it resting on the external face of the Barn Window frame. If the trim bead is resting against the Barn Window frame, it is correctly installed.

Ø10 Drain hole in Sill Trim Bead (both side)

DO NOT SEAL THESE HOLES



Seal the junction of the cladding and Trim Beads. This is the final sealing required here!

Figure 7.5 Head to Jamb junction
Fin Adaptor removed for clarity

- NOTE: DO NOT SEAL THE DRAIN HOLES** as shown in **Figure 6.5**.
- Before installing the **jamb** Trim Beads, the junction between the **sill** Trim Bead and the external face of the cladding needs to be sealed with silicone as shown in **Figure 6.5**.
- Next install the two vertical jamb Trim Beads in the Barn Window jambs. Check the alignment of the Trim Beads and if they are not correctly aligned, they can be “tapped” left or right using a nylon mallet or timber block – tap until correct alignment is achieved.
- And finally clip in the **head** Trim Bead in the Barn Window head.