EAGON

Manual

EWS 75

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1. Care & Maintenance

1) This product is shipped from the factory as a finished product, so please handle it with care at all times.

2) The exposed surface of the product must be protected from corrosion, external shock, solvent, scratch, and wet packaging materials.

3) If problems occur, please refer to the Care and Maintenance Manual.

4) For inquiries, please contact your local dealer. EAGON strongly recommends cleaning all products after installation and protecting them from construction equipment and debris.

2. Tools and Materials, Requirements

1) Tools Required

- Tape measure, horizontal stand, shims, triangular timber (for temporary fixing), screw anchor, rubber hammer, knife, screw, drill (and drill bits), and standard power tools.

2) Construction with screw anchor (Concrete & Block structure construction)

① Mount the product onto the opening. Align the vertical and horizontal sides of the window by using a triangular clamp between the product and the structure.

② Use plastic shims to prevent rot or deformity, especially if the window will be exposed to water.

③ Fix the product to the structure with a screw anchor (ø6mm). The length of the screw should be determined by considering the distance between the product and the structure.

④ Appropriate materials should be used to suit the structural properties of the member.

3) Installation by screw (for wooden structures))

① Fix the product directly to the opening. Align the vertical and horizontal sides of the window by using a triangular clamp between the product and the structure. Install a retainer between the structure and the product.

② Use plastic shims to prevent rot or deformity, especially if the window will be exposed to water.

③ Fix the product to the wooden structure with a screw (#14; ø6.3mm). The length is determined by considering the distance between the product and the structure.

④ Appropriate materials should be used to suit the structural properties of the member.

3. Structure Check and Preparation

1) Check the Opening

① Check the opening of the structure and the size of the product.

② If the product does not fit the size of the opening, ask the construction company to modify the structure in accordance with the needed dimensions..

2) Preparation

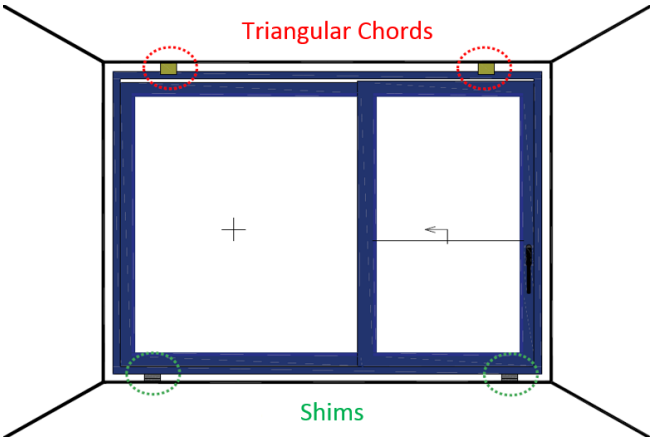
① After moving the product to the installation location, remove the packaging of the product.

② Be careful not to damage the exposed surface when removing the protection tape.

4. Product installation

1) Installation by screw anchor

① After mounting the product on the structure (Concrete or Block), the gap between the opening and the product must be secured on the top, bottom, and two sides..



② Temporarily fix a triangular lumber on the four sides between the product and the structure and check the vertical and horizontal of the product using a horizontal stand.

③ Modify the height of the triangle to adjust the vertical and horizontal dimensions of the product. Fix the product and shims between the structure and the product.

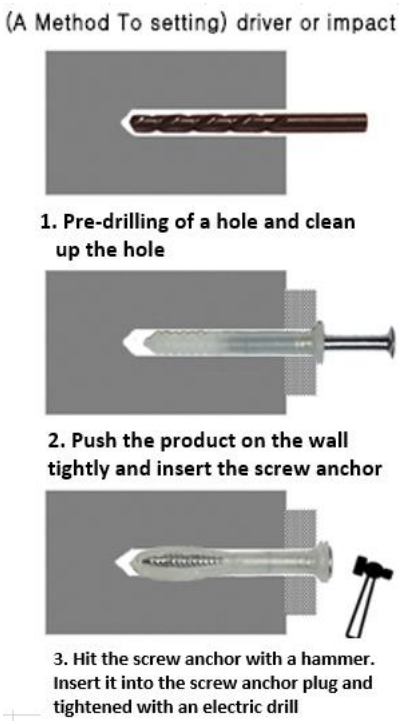
④ Pre- drilling of hole (ø6mm) on the screw anchor fixing area of the product

⑤ After drilling a hole in the knife block fixing part of the structure, remove any dirt or debris inside the hole.

⑥ After checking the vertical, horizontal and diagonal lengths of the product, fix it in place with a knife block.

⑦ Hit the screw anchor with a hammer. Insert it into the screw anchor plug and tightened with an electric drill.

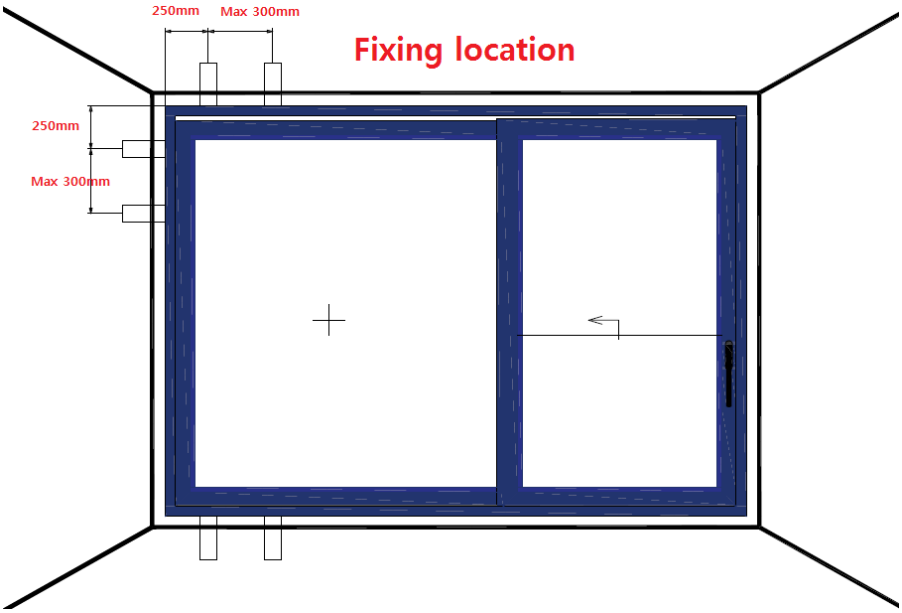
⑧ Attach the hole cap to the punched area on the aluminum frame (8mm or 10mm)

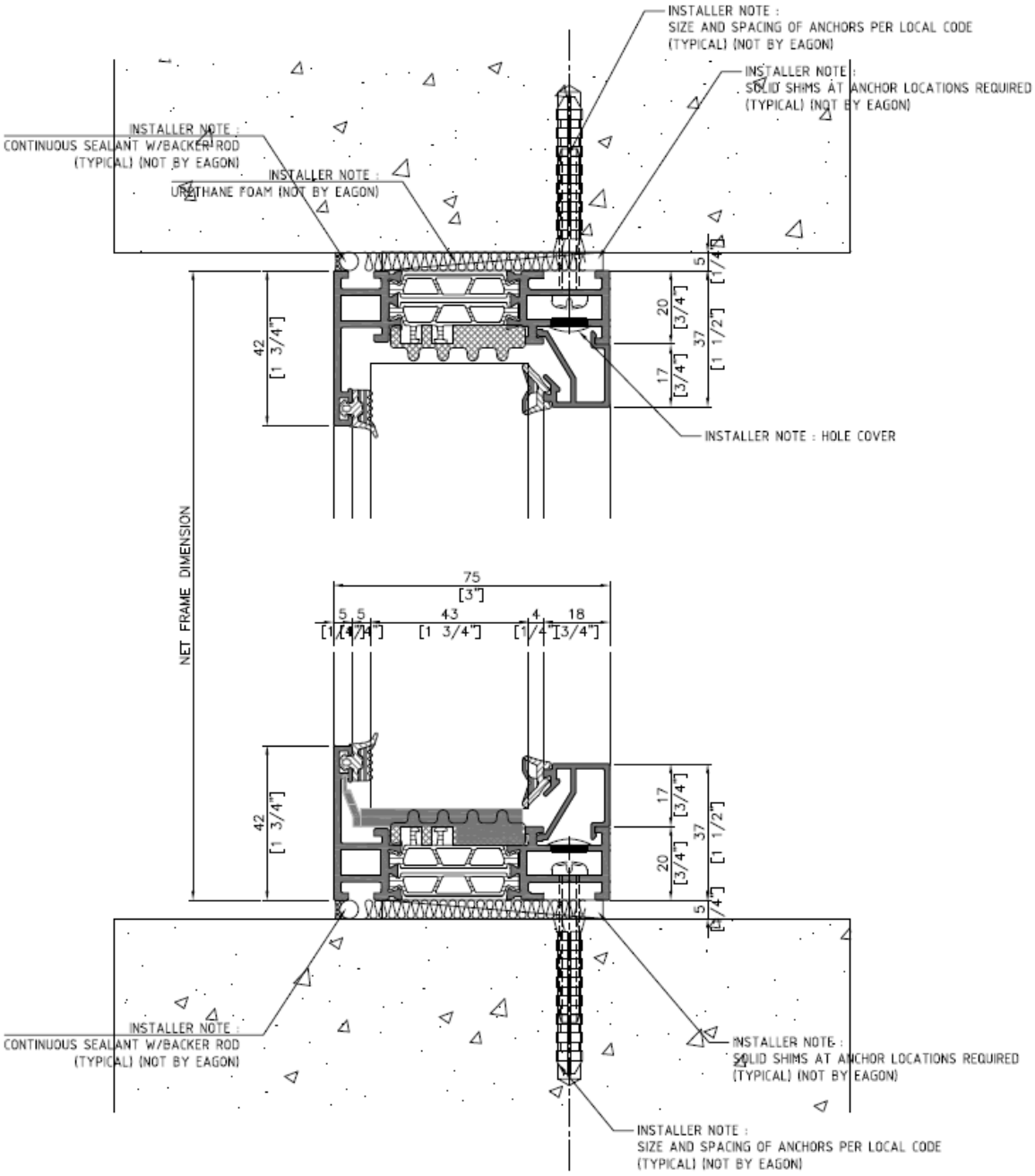


⑨ After completing the installation, infill thermal insulation between the product and the structure.Complete any caulking work based on the criteria of the job site. .

2) Spacing of screw anchor Installation

- The standard for the fixed interval is as follows; however, if a separate structural review request is made by a construction company or a supervisor, the work will completed in accordance with the structural review standard.

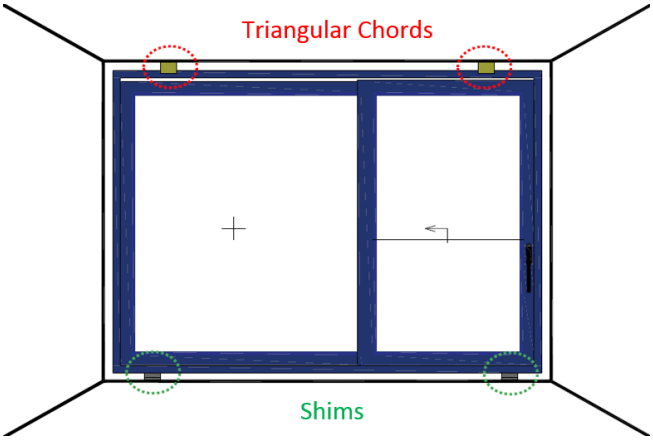




[Vertical section detail of screw anchor installation]

3) Installation by screw

① After mounting the product on the structure (wood structure), the gap between the opening and the product is secured in the upper and lower parts and on both sides.



② Temporarily fix a triangular chord on the four sides between the product and the structure. Check the vertical and horizontal level of the product using a level stand.

③ Modify the height as necessary by adjusting the triangular chord height and inserting the shims between the structure and the product.

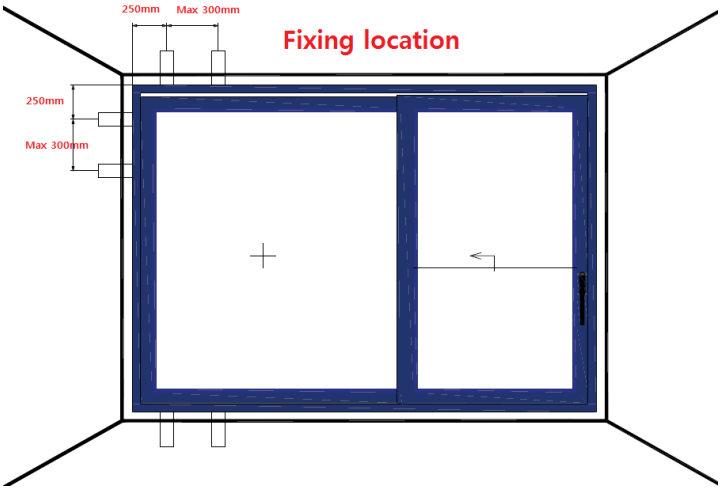
④ After performing a hole punch (ø6.5mm) on the screw fixing part of the product, align the product vertically and horizontally, and check the diagonal length of the product.Then, fix it with a wood screw (6.3mm).

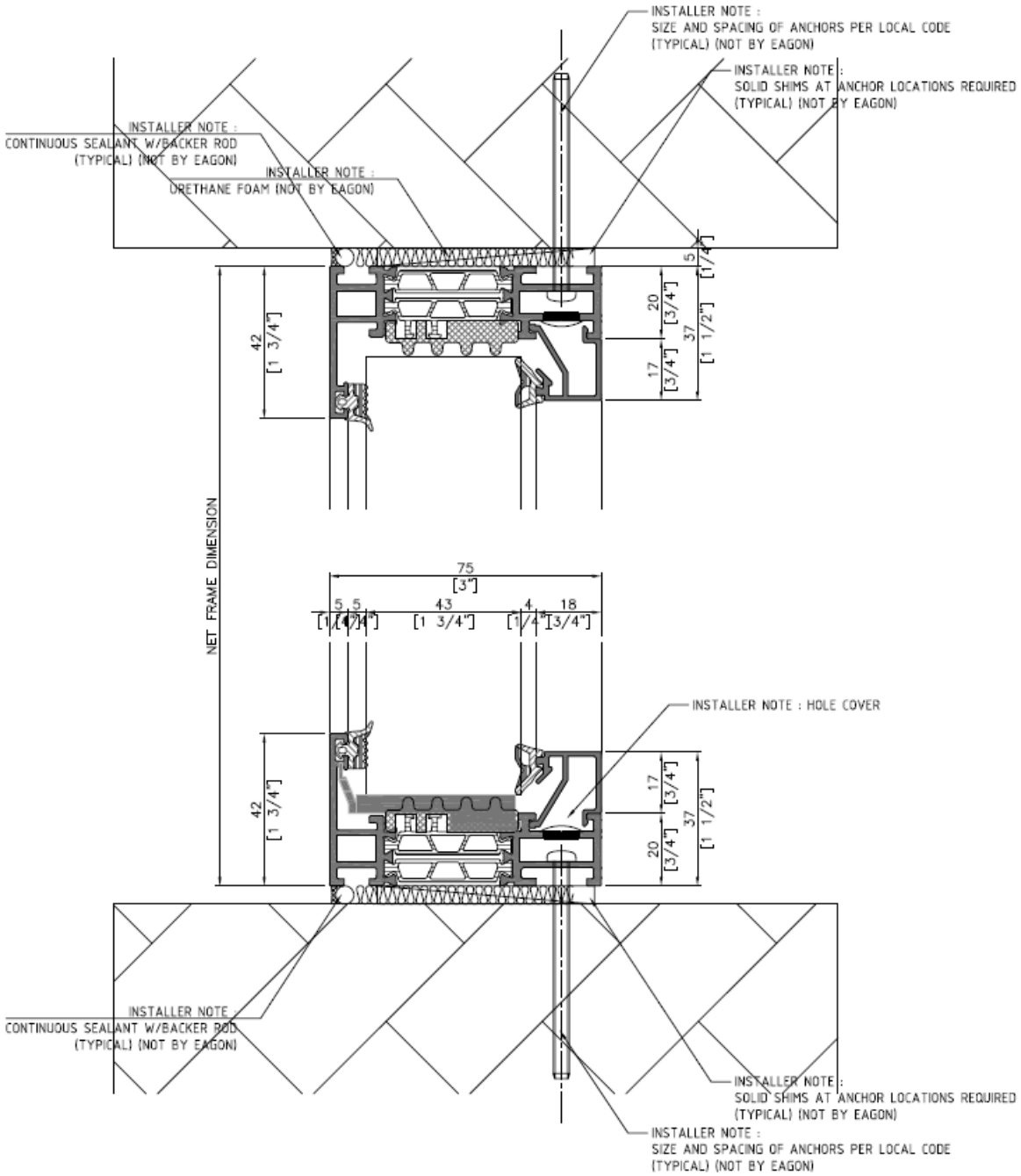
⑤ Attach the hole cap to the punched area on the aluminum frame.

⑥ After completing the installation, perform caulking work according to the construction site's criteria.

4) Spacing of screw Installation

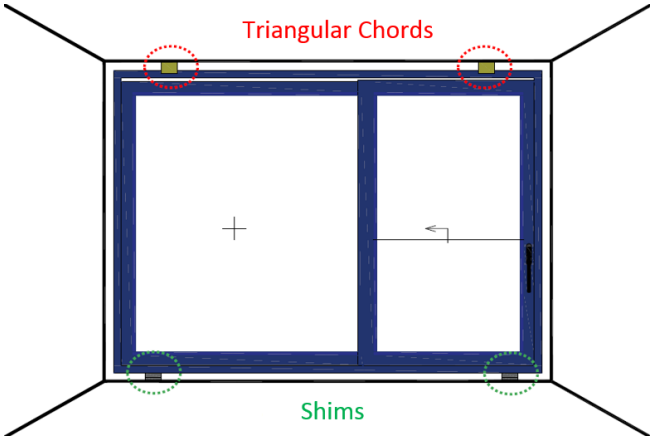
- The standard for the fixed interval is as follows; however, if there is a request for a separate structural review by a construction company or supervisor, the work will be carried out in accordance with the standard established by the structural review.





[Vertical section detail of Screw installation]

5) Installation by Clip



① Attach fixing lugs onto the designated parts of the product before mounting it onto the structure.

② After mounting the product on the structure, open the gap between the opening and the product. The upper and lower parts are secured in the same way.

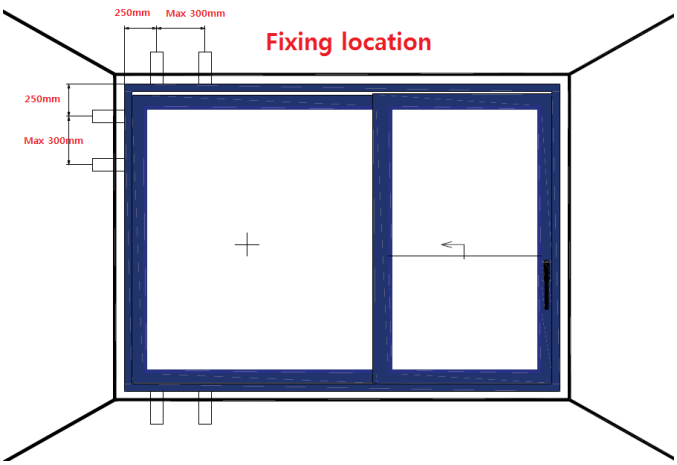
③ Temporarily fix a triangular chord on all four sides between the product and the structure.

Fix the shims between the structure and the product while checking the vertical and horizontal of the product using a horizontal stand.

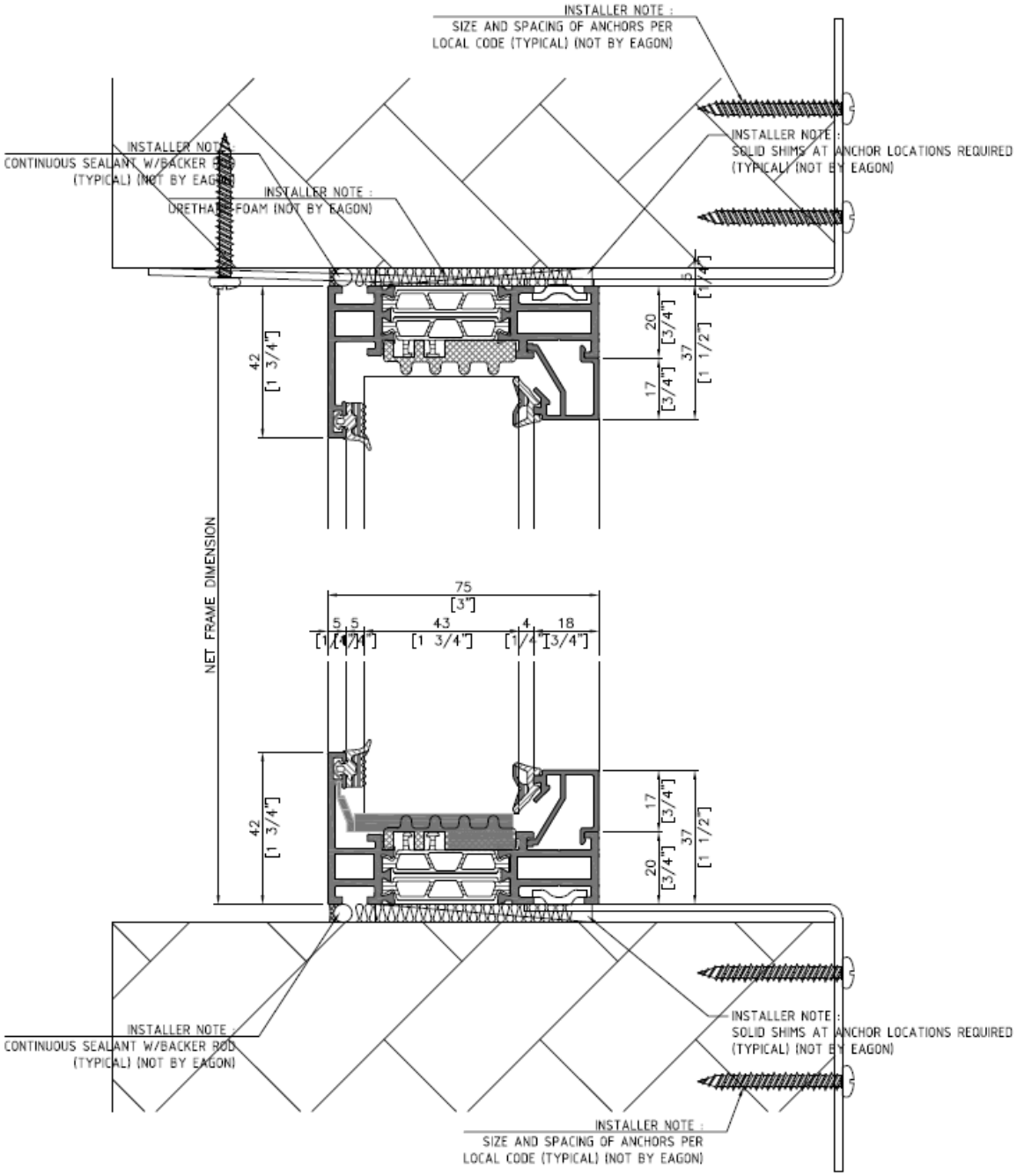
④ After checking the vertical, horizontal and diagonal lengths of the product, attach the fixing lugs with a wooden screw.

⑤ After completing the installation of windows and doors, infill thermal insulation between the product and the structure. Complete any necessary caulking work in accordance with the standards of the construction site.

6) Spacing of clip Installation



- The standard for the fixed interval is as follows. If there is a request for a separate structural review by a construction company or supervisor, the work will be carried out in accordance with the standard established by the structural review.

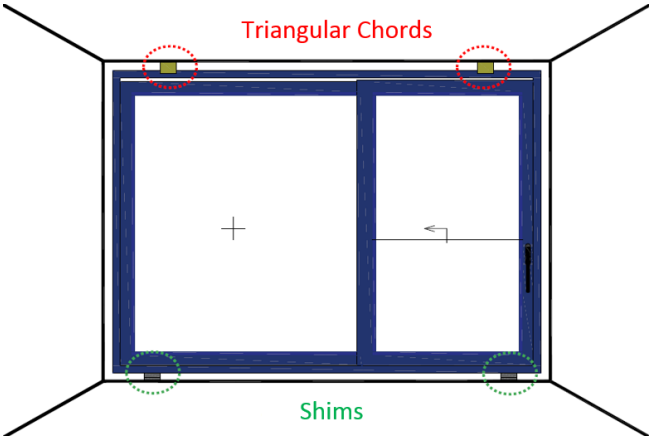


[Vertical section detail of fixing lug installation]

7) Installation by nail fin

① Attach exterior tape to ensure air tightness..

② After mounting the product on the structure (wooded structure), the gap between the opening and the product must be secured on the top, bottom, and both sides.



③Temporarily fix a triangular chord on the four sides between the product and the structure.

Check the vertical and horizontal level of the product by using a level stand.

④ Adjust the height of the product with the triangular chord.

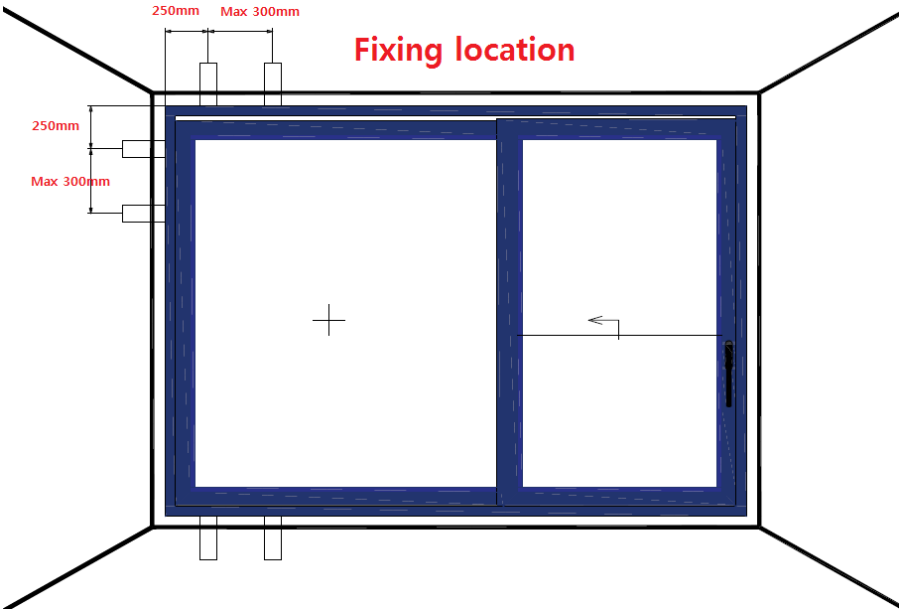
After fixing the height, insert shims between the structure and the product.

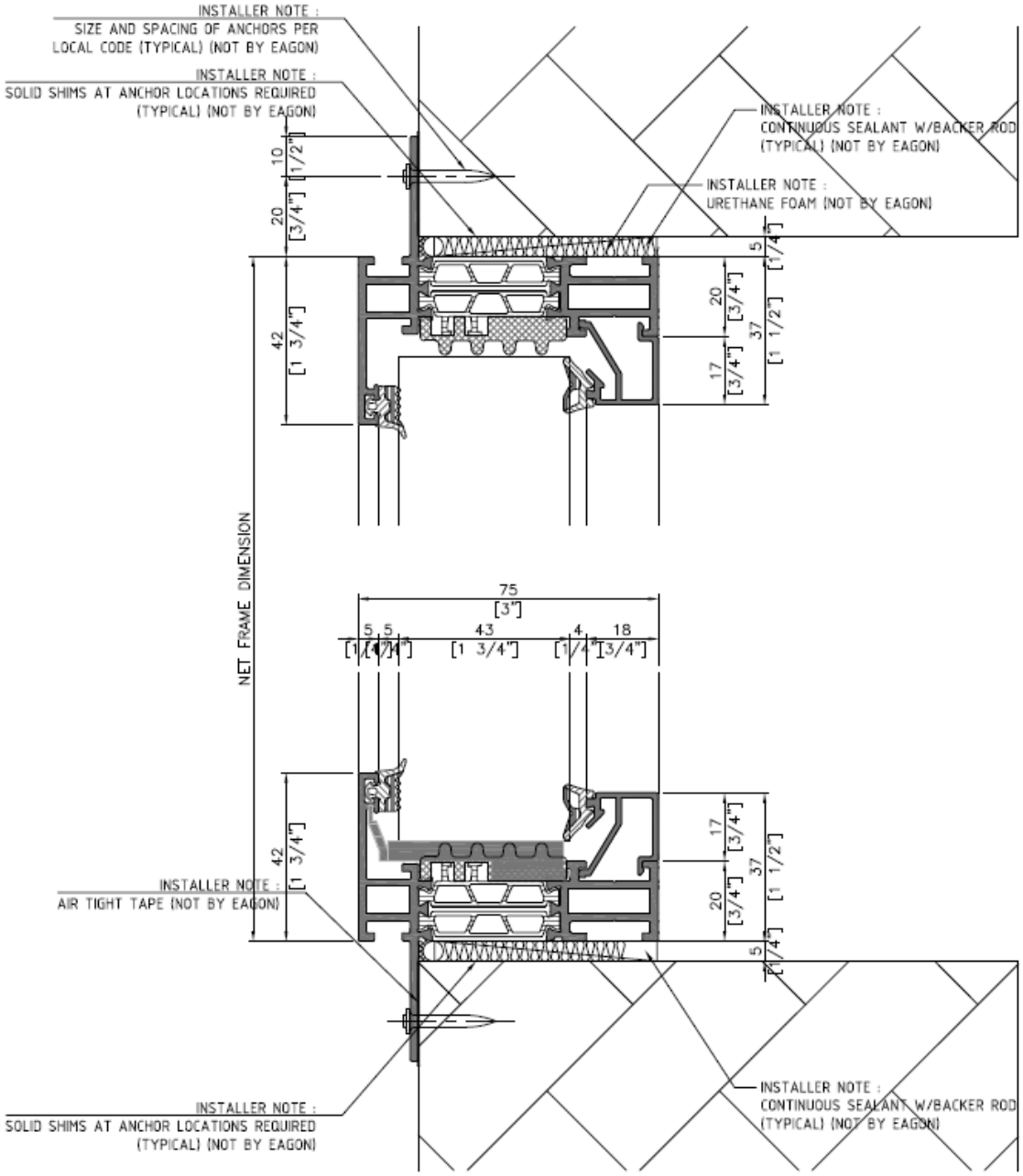
⑤ After performing a hole punch (ø6.5mm) on the nail fin, level the product vertically and horizontally, and finally check its diagonal length. Secure the product with a wood screw.

⑥ After completing the installation of windows and doors, infill thermal insulation between the product and the structure, and complete caulking work according to the standards of the construction site.

8) Spacing of nail fin Installation

- The standard for the fixed interval is as follows; however, If there is a request for a separate structural review by a construction company or supervisor, the work will be carried out in accordance with the standard established by the structural review.





[Vertical section detail of Nail fin installation]

5. Glazing

1) Installation Order

① Remove glazing beads from the product.

② Check whether the external gasket is correctly attached to the groove. If there is a section where the gasket is detached, insert it tightly.

③ Clean the glazing area and take caution not to block the weep hole.

④ Place the glazing shims on the glass support. Place an insulation pad on all sides as illustrated in the graphic. Proceed with the glazing in the following order. (The width of the glazing shims is slightly larger than the glass thickness.)

-Insert the glazing shims on ⓐ and ⓑ and place the glass on it. The distance between the frame and the glass should be constant on all four sides.

-Insert glazing shims in ⓒ and ⓓ

- Remove the glazing shims in ⓐ, and operate the vent to check if upper or lower interference occurs.

-If interference occurs in ⓐ, check the operation of the vent by inserting more setting blocks in ⓔ

-After glazing, consider the deflection of the vent, and raise ⓐ by 2 ~ 3mm from ⓑ (refer to the picture below).

< A -part > < B-part >

- Perform caulking to prevent the glazing shims from moving.

⑤ Attach the glazing beads in the order of up, down, left and right. Check that the external gasket is pressed before attaching the beads.

⑥ Attach the internal gasket. The gasket length must be cut 20mm longer than the inner diameter of the bead. I Insert a wooden spatula between the bead and the glass on one side. While wetting the spatula, slide it toward the glass.

Push down on the spatula between the glazing bead and the glass to create a small gap to insert the glazing gasket into.

⑦ After the gasket is fitted at both corners, insert it while pressing in the middle. Use the opposite side of the wooden spatula.

⑧ Fit the gaskets on the four sides in the same way, and take care not to overlap the gaskets at the corners as this will create gaps from contraction and expansion

⑨ After installing the gasket, check the finish and ensure that it does not roll into the glass. Likewise, ensure that the middle of the gasket is even.

2) Glazing shim Location and Material

① The glazing shims must be a hard material. .

Likewise, the glazing shims must be thicker than the glass.

(The glazing shims must be purchased separately.)

② The elevation of the glass glazing shims is based on the following diagram (within 100mm from the inner diameter end after removing the bead).

③ After glazing is completed, attach a “damage caution” sticker to the glass.