

2024

Installation Instructions



600 KD Field Assembled Frame

600 90-Degree Window Wall

Nail Fin Installation



Important Information

Warning and Caution Information

! WARNINGS !

If warning is not heeded, may cause death or serious injury.

! CAUTION !

If precaution isn't taken, may cause minor or moderate injury.

NOTE:
Additional information that pertains to the installation.

Read instructions, front to back, before beginning installation.

Product Storage and Transport

Product should be stored in a dry location protected from the elements. Wet packaging can cause damage to product finishes. If the packaging becomes wet, immediately replace it with dry packaging.

Product should be stored and transported upside down. To avoid damage, do not drop or drag product from the delivery truck.

Removal of Old Fenestration Products

Ensure that old fenestration products are removed and properly disposed. You may be able to recycle or donate removed glass and frames. For more information, check with your local recycling agency, the American Architectural Manufacturers Association, the U.S. Environmental Protection Agency, or the Building Materials Reuse Association to locate a nearby company or organization that accepts used windows and doors. To donate removed products, contact local nonprofits in need of building supplies, such as Habitat for Humanity.

NOTE: Homes and condominiums built before 1978 may have lead-based paint, which can pose serious health hazards during removal. Information and instruction regarding proper management of lead-based paint is available at www.epa.gov/lead.



Important Information

Components

The components supplied will vary depending on the configuration you are installing. Before proceeding with the installation, inspect the components to become familiar with them.

Confirm there is no damage that will affect the appearance or performance of the installed product. Damaged or missing parts should be reported to your supplier **within 48 hours** of delivery.

NOTE: Windows will be shipped knocked down and glass will need to be field glazed.

Installation Preparation

Prior to installation, it is important that you carefully review and understand the installation instructions and any drawings supplied. Western Window Systems' fenestration products should be installed only by experienced and qualified installation professionals. Failure to follow these instructions may result in poor performance, including but not limited to, operation, security, and weatherproofing failures, and may void Western Window Systems' expressed limited warranties.

This is a finished product that must be protected before, during, and after installation to prevent damage.

NOTE: The rough opening must be waterproofed in accordance with AAMA Installation Masters standards, as well as flashing and sealant manufacturer instructions, and must meet local building codes.

If screens are included, they will be installed in a similar fashion as the glass panels.



Tools for Installation

- Various Levels or a Laser Level
- 3/16" Drill Bit
- Countersink
- Drill
- Cordless Impact Driver
- Dow Corning® 795 Silicone or equivalent

Fasteners and Hardware



F5010 SMS, PHL FLT, SS
#8A X 1-1/4



F5000 SMS, PHL PAN, SELF
DRILLING, #8-18 X 1/2

- 1/4" Setting Blocks
- 90-Degree Bracket
- Nail-Fin Gaskets



Frame Components

Each window will have at least 2 sets of head assembly, sill assembly, one right jamb, and one left jamb.



Frame Assembly

NOTE: Refer to the shop drawings supplied and inspect the rough opening carefully to ensure it has been prepared correctly to accept the configuration and size you are installing.

NOTE: Check each opening for the correct dimensions. Make sure each rough opening is plumb, level, and square. The sill must be flat and level. If the sill varies more than .0625" (1/16") per foot or a total of .25" (1/4") over the entire width of the opening, it must be corrected before proceeding with the installation.

1. Assemble the jambs, head and sill using #8-14 X 1-1/4" screws. Apply silicone in the area indicated prior to putting the members together (see Fig. 1). Make sure the gasket in the head and sill are in good condition before screwing the jambs.

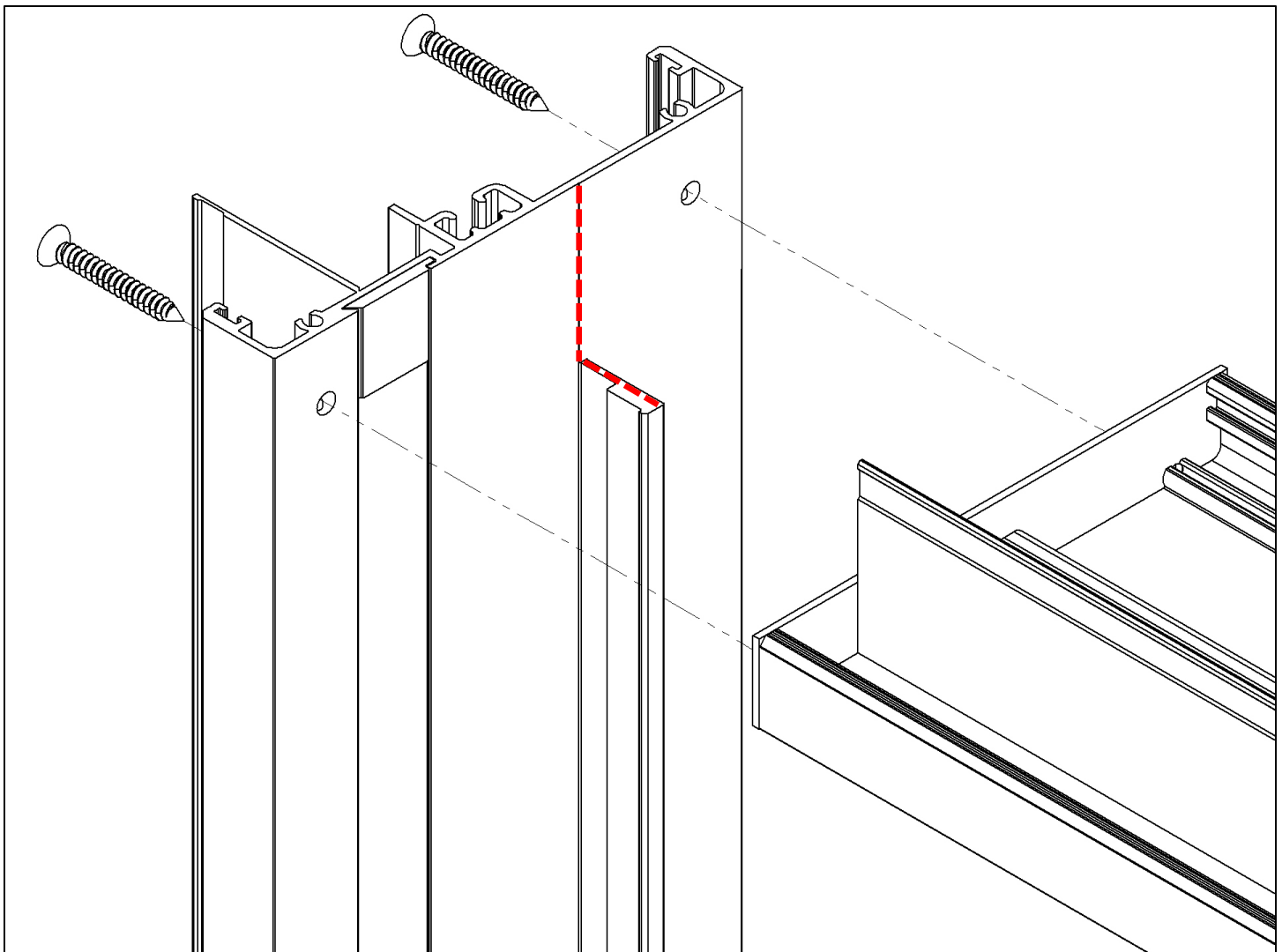


Fig. 1



Frame Assembly

2. Install the supplied corner keys in the head and sill miter cuts using #8-18 X 1/2" screws (see Fig. 2).

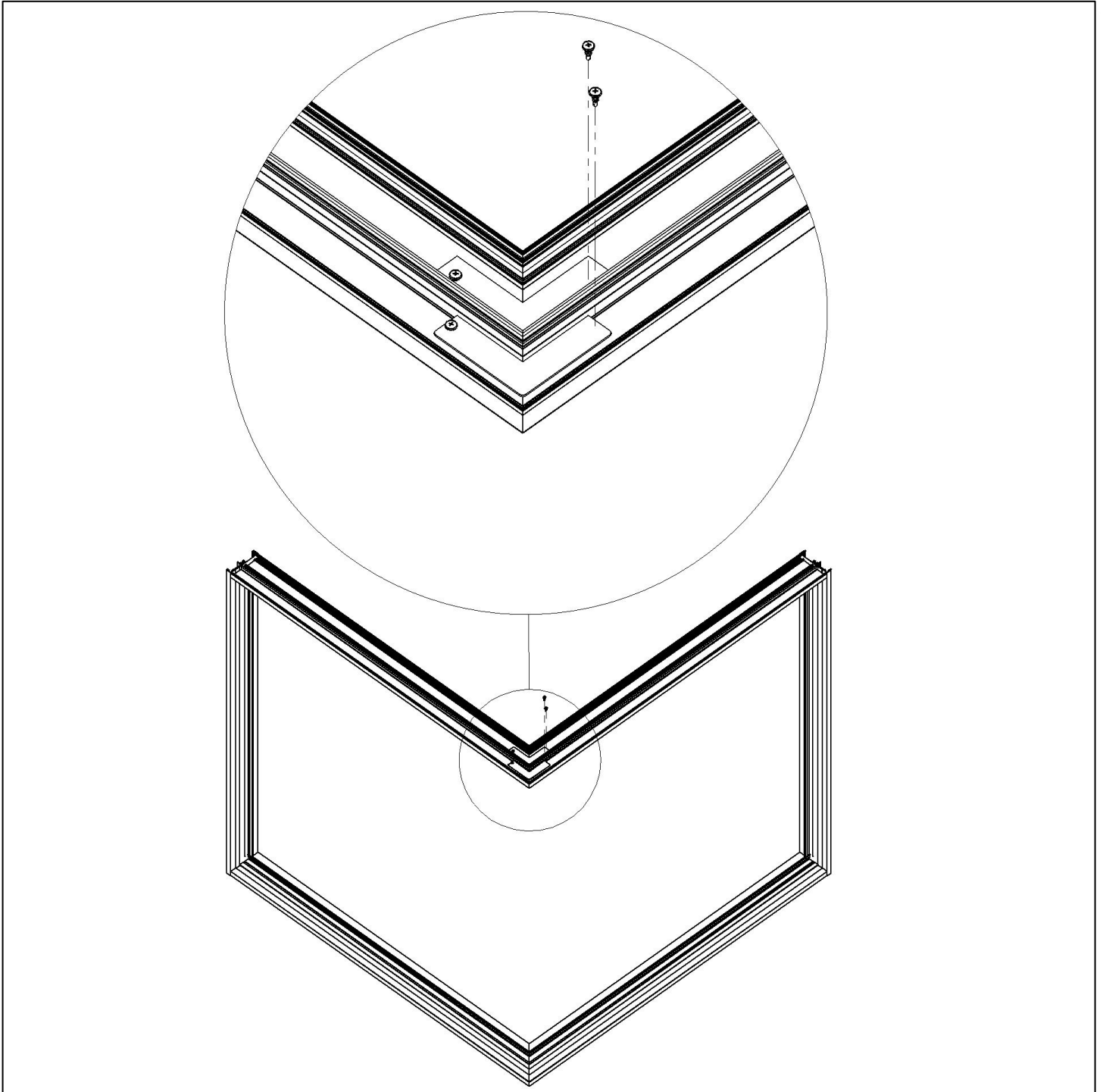


Fig. 2



Frame Installation

3. Seal the entire joint where the corner key meets the frame on the exterior side (see Fig. 3).

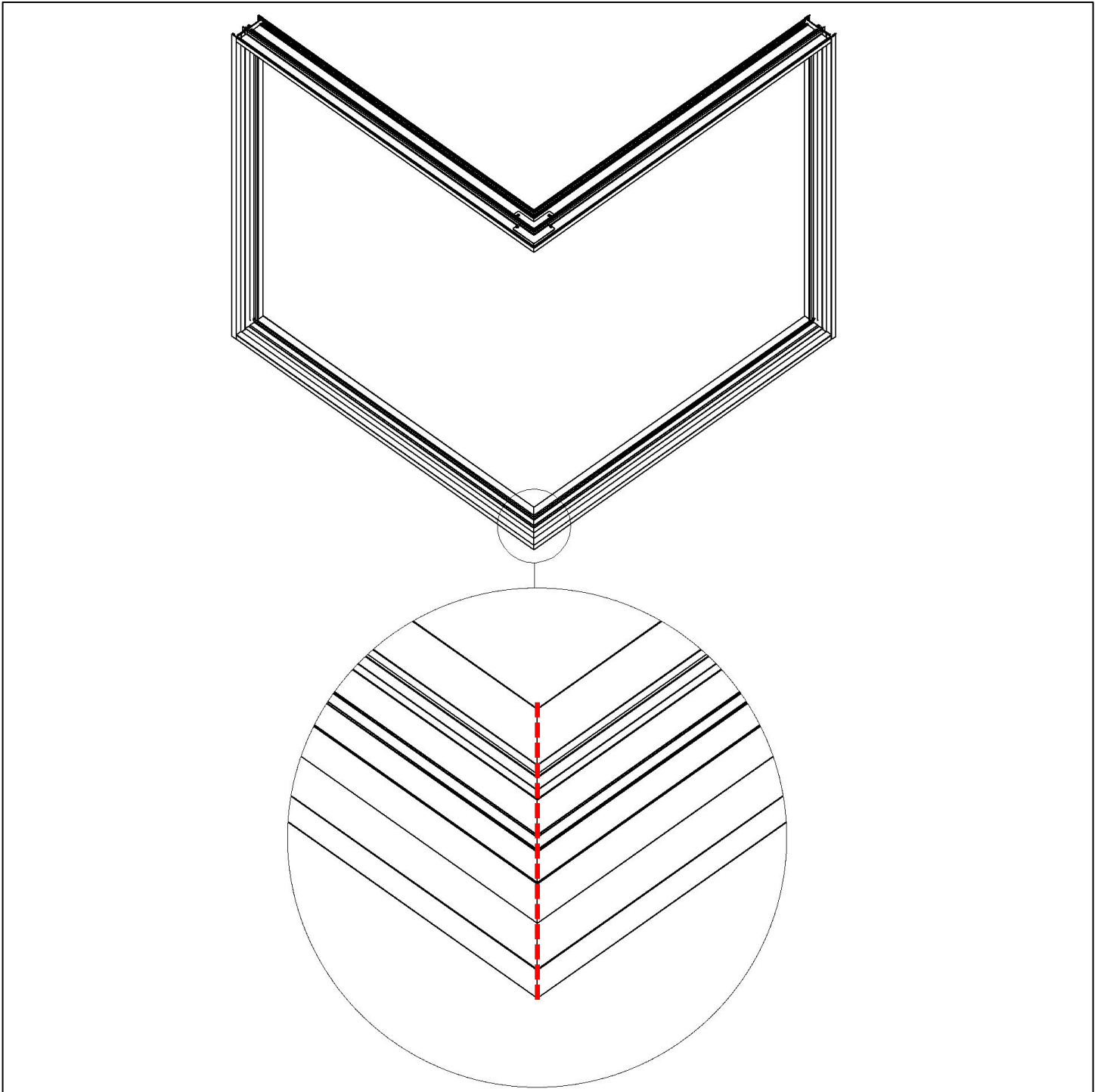


Fig. 3



Frame Installation

4. Install corner gasket per instructions.
5. Apply a 3/8" continuous bead of sealant across the back of the nail fin. Connect the bead of sealant across any joinery on the window frame at all corners. The nail-on flange should make full contact with the opening (see Fig. 4).

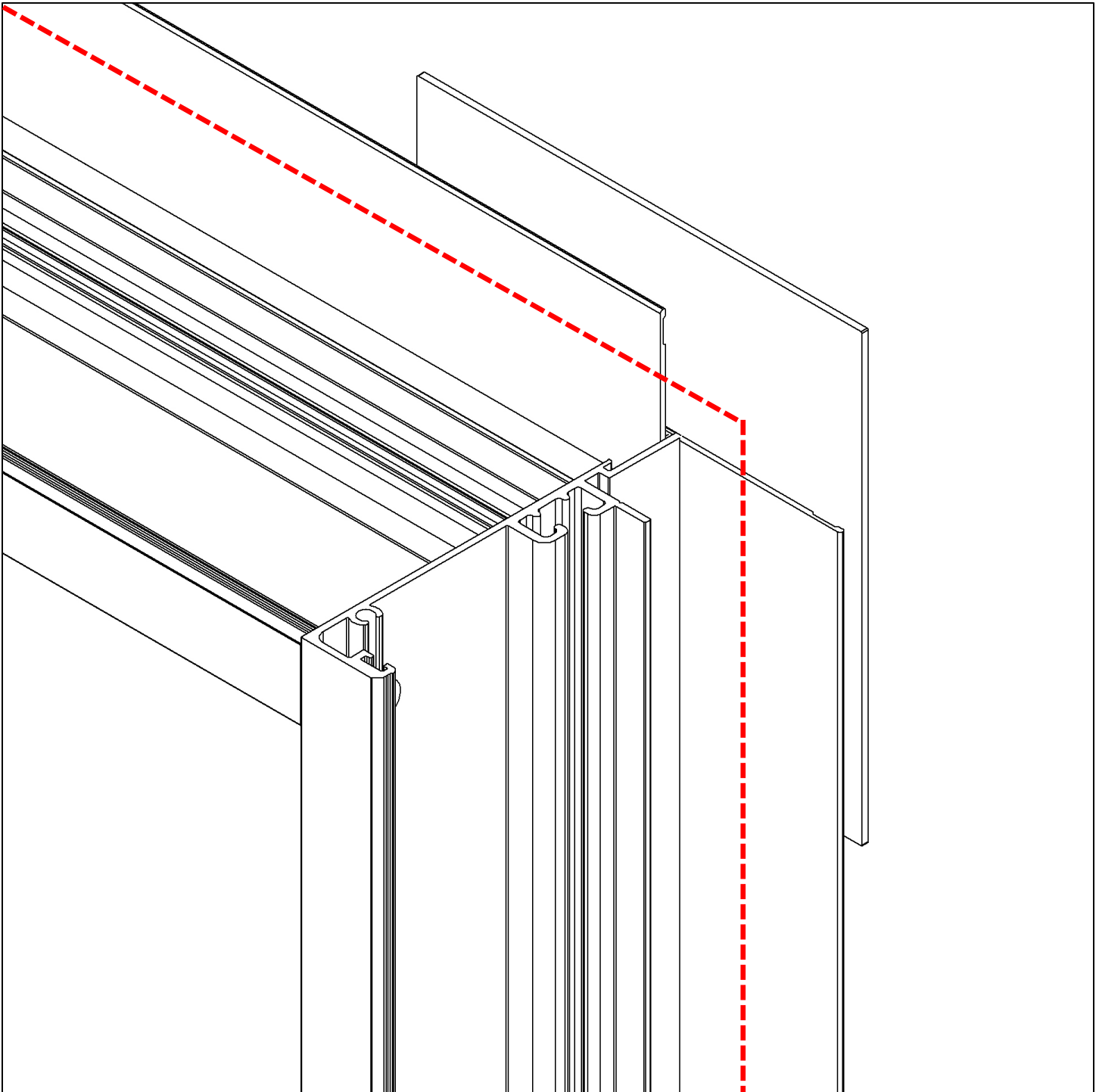


Fig. 4



Frame Installation

6. Place the window into the opening. The window should sit flat on the sill.
7. Center the window in the opening with shims and verify the plumb and level condition. Make sure the reveal is even.
8. Secure the nail fin flange to the structure, the first screws should be 3" from the corner and 12" center to center (see Fig. 5). Shim the window at all fastener locations. Verify plumb and level.

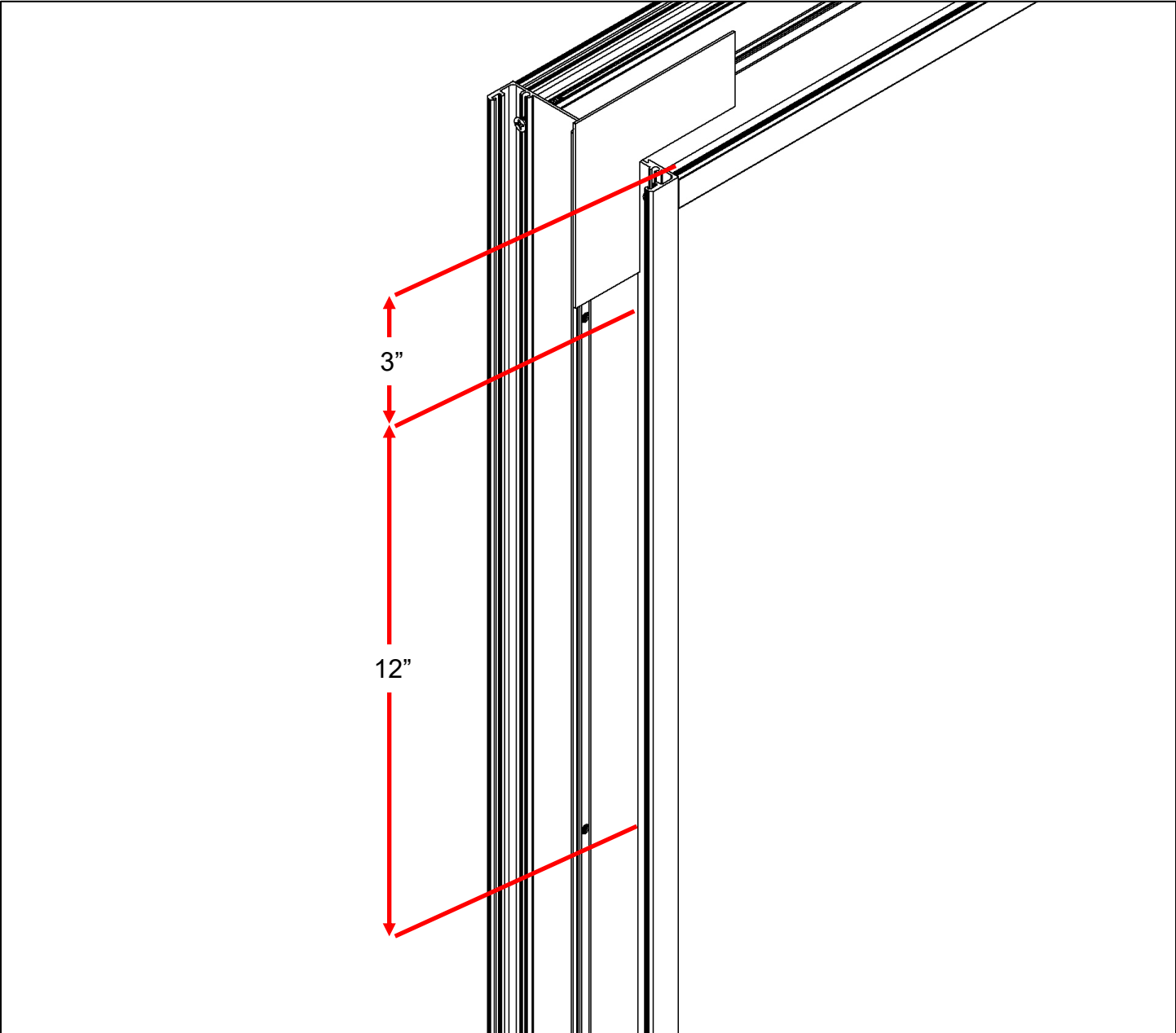


Fig. 5



Frame Installation

- 9. Apply a 5/8" bead of sealant across the width of the opening and 4" up both jambs.
- 10. Put the 1/4" setting blocks on the sill and jambs (see Fig. 6).

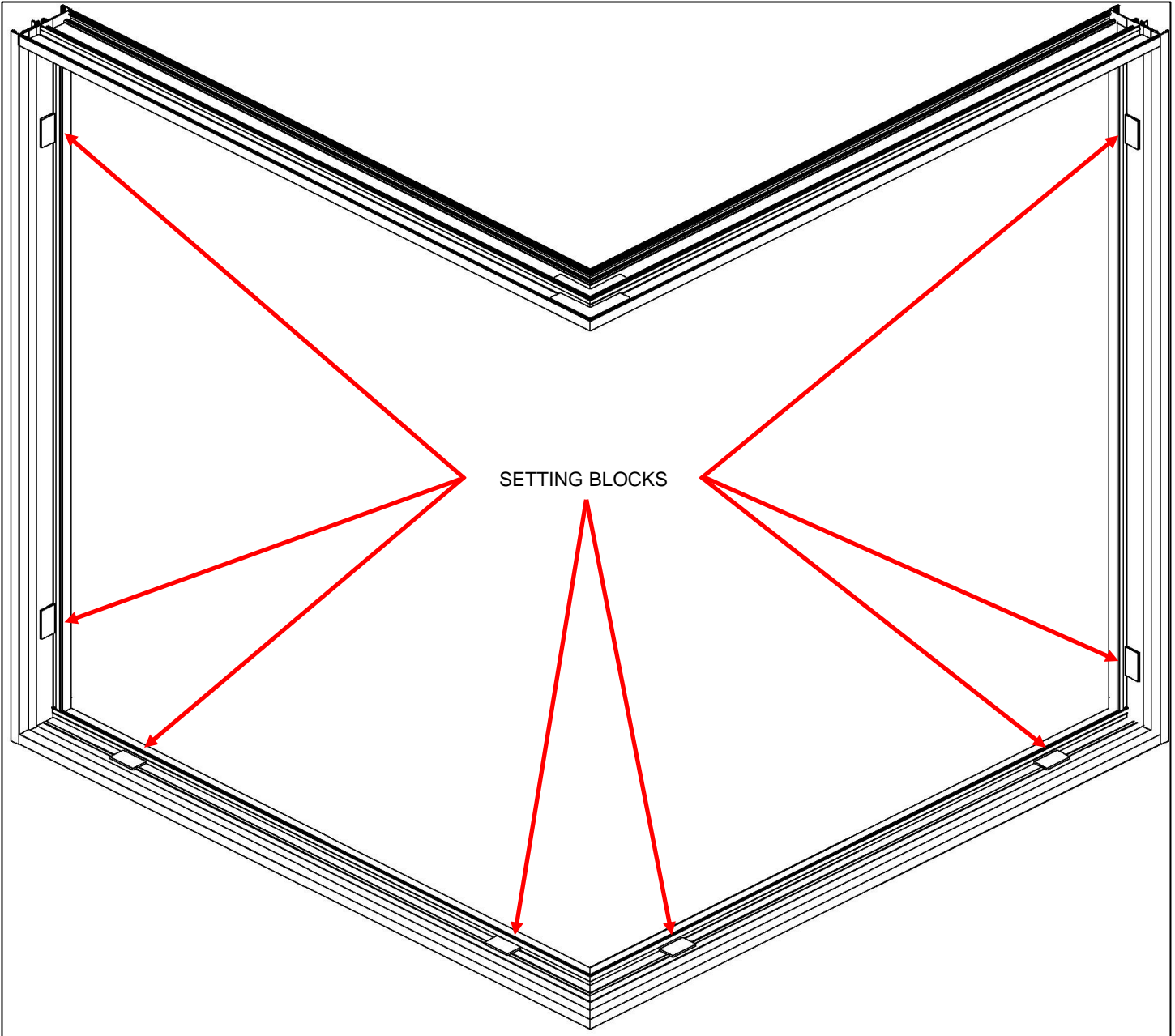


Fig. 6



Glass Installation

1. Peel the glazing tape from the unit.
2. Install the IG units, making sure are located properly.
3. Place the setting blocks for spacers in the IG units using a small quantity of sealant.
4. Install the square spacer between IG units.

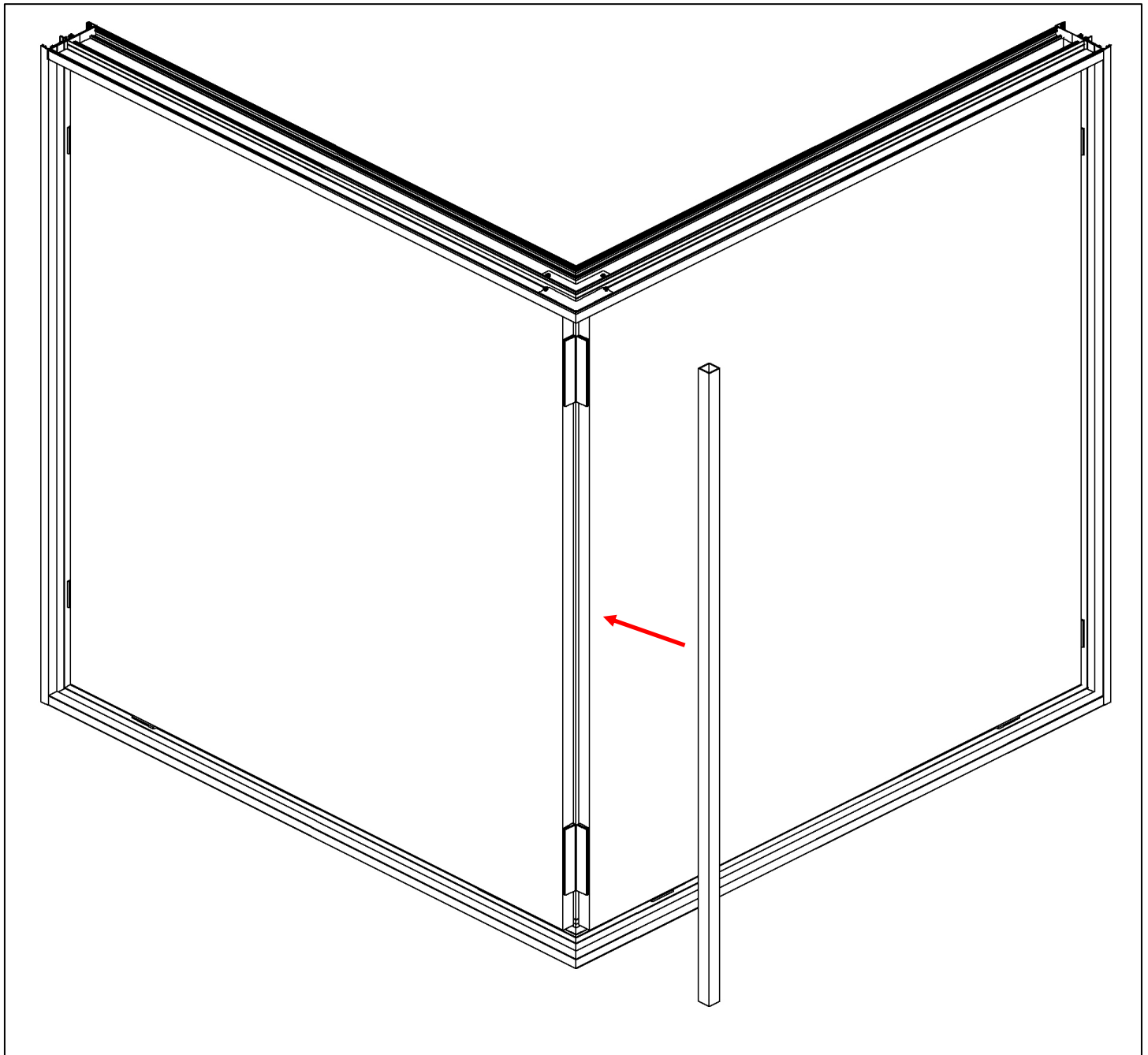


Fig. 6



Spacer Installation

1. Take the inside cap and peel the glazing tape. Place the cap on the inside corner of the miter joint.
2. Seal the gap between the square spacer and IG units.

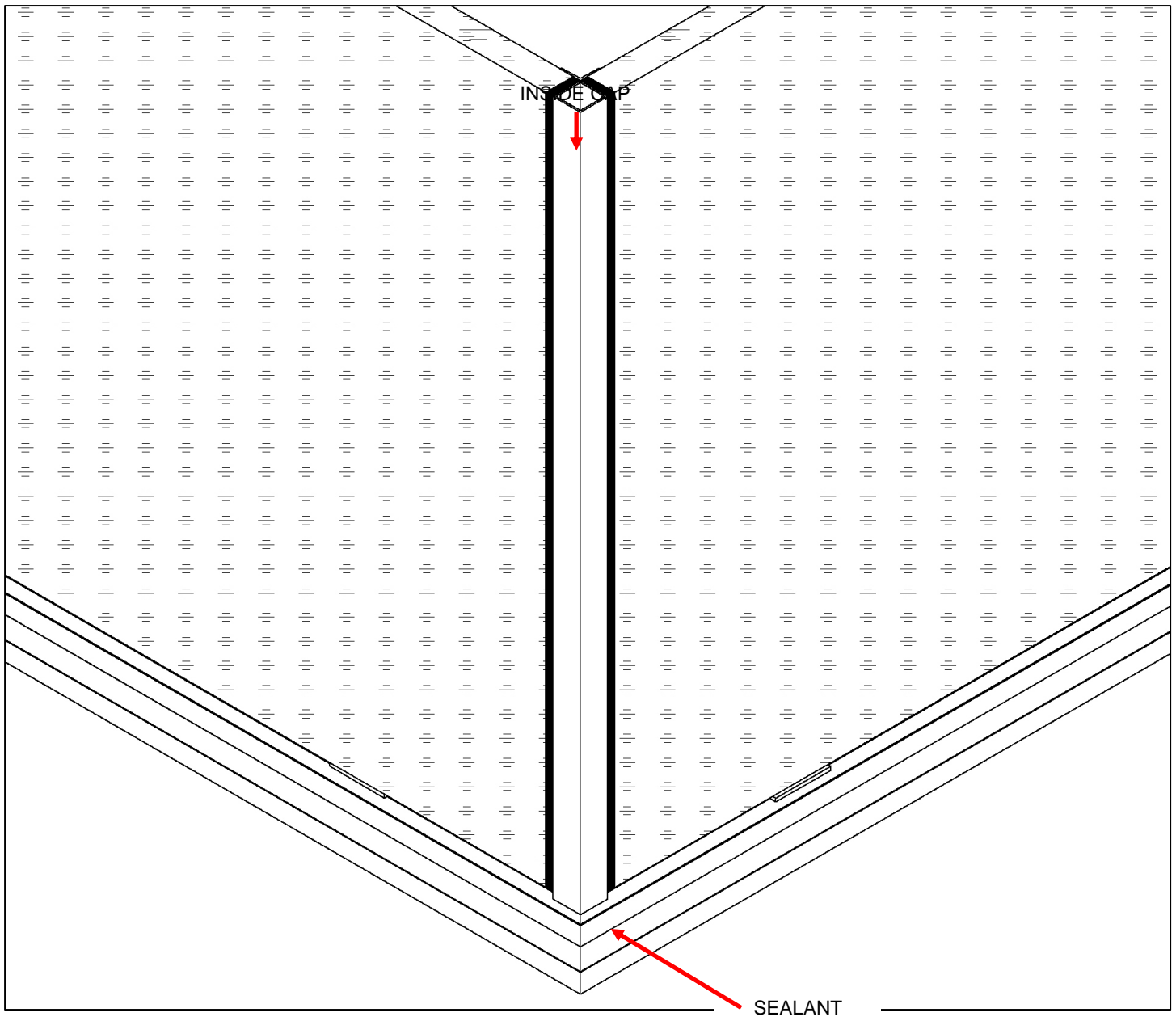


Fig. 7



Spacer Installation

1. Take the inside cap and peel the glazing tape. Place the cap on the inside corner of the miter joint.
2. Seal the gap between the square spacer and IG units.

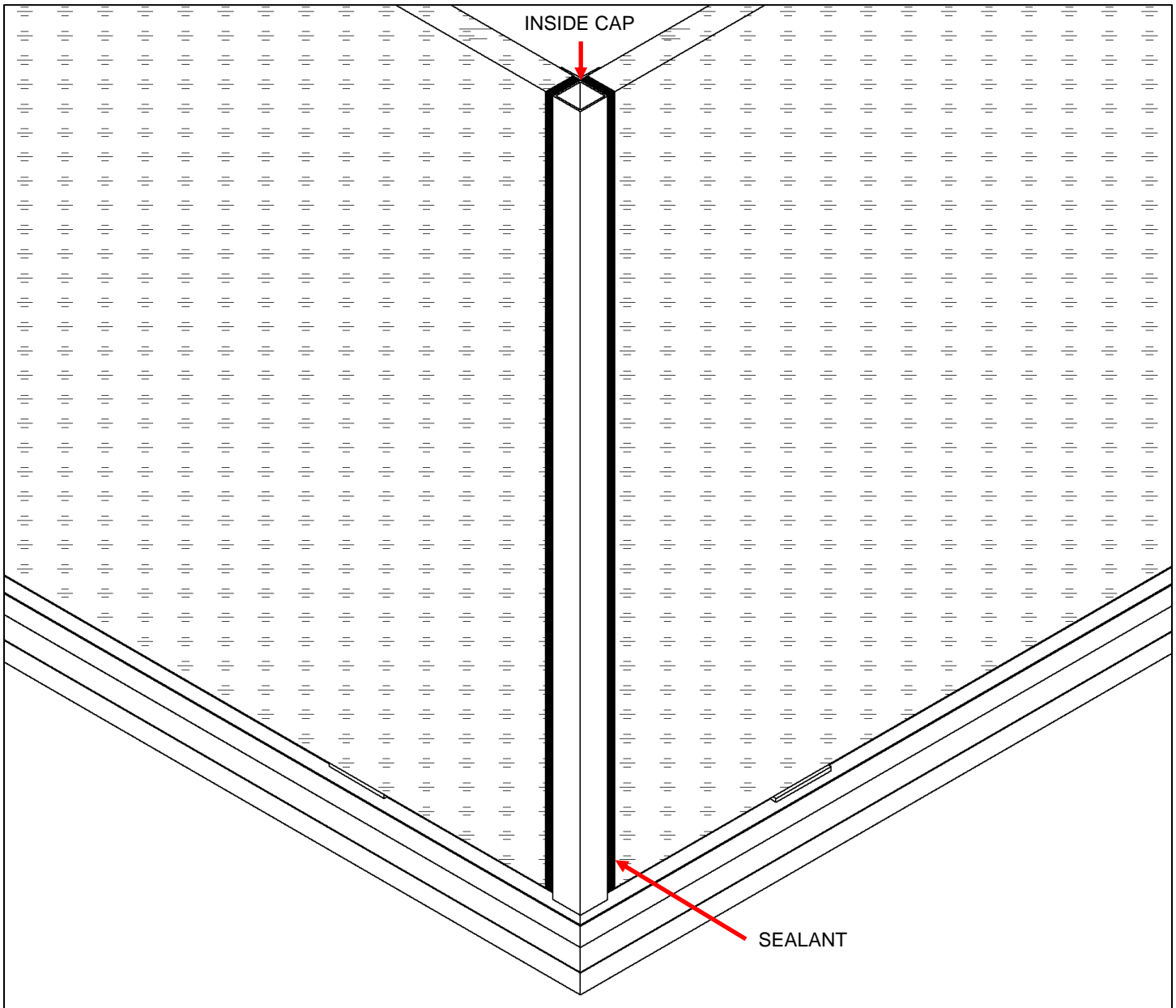


Fig. 7



Spacer Installation

3. Install the glass stop making sure the glass stops with weep holes are installed in the sill of the unit (see Fig. 8).

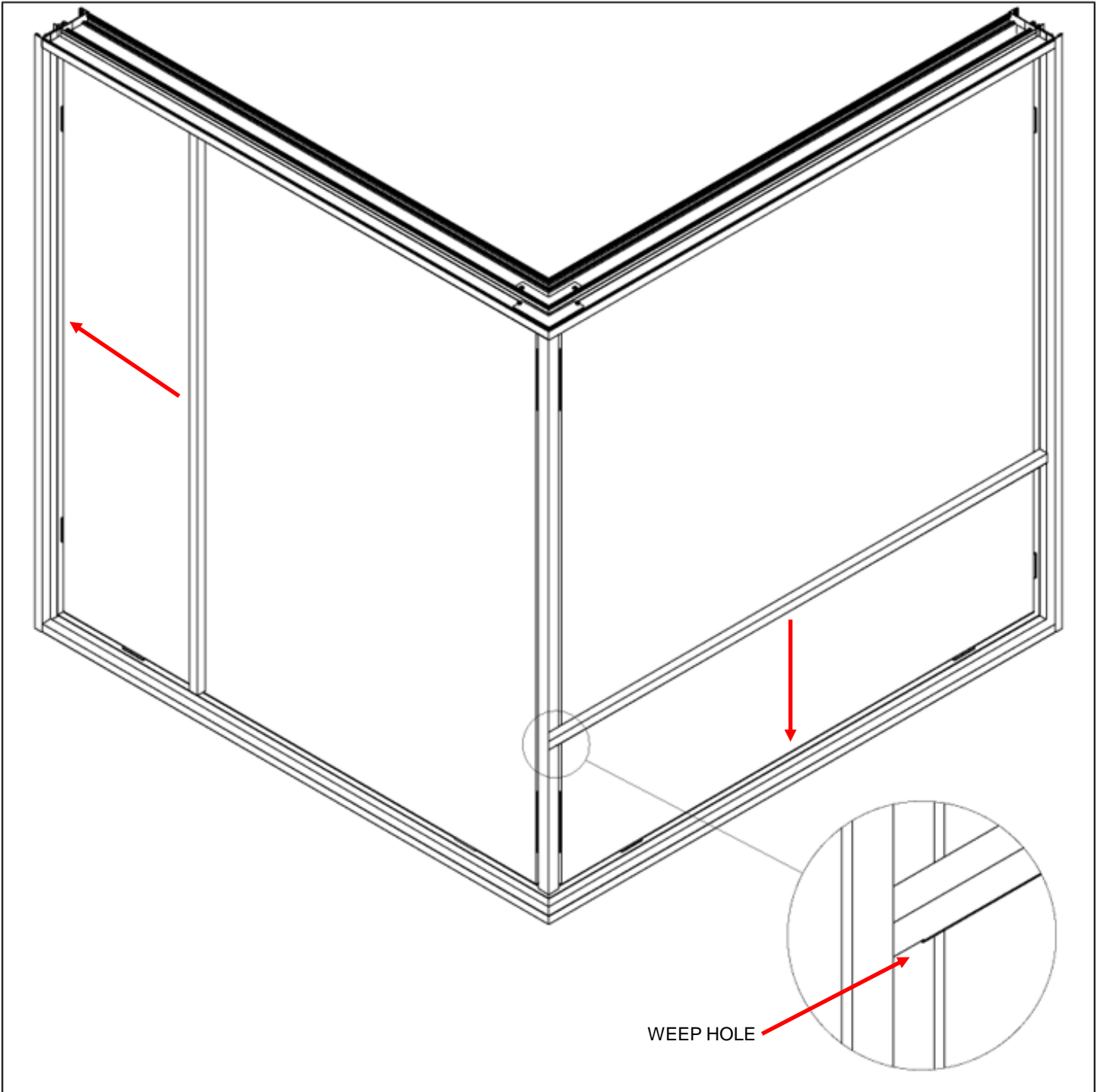


Fig. 8



Spacer Installation

4. Take the outside cap and peel the glazing tape. Place the cap on the outside corner of the miter joint (see Fig. 9).

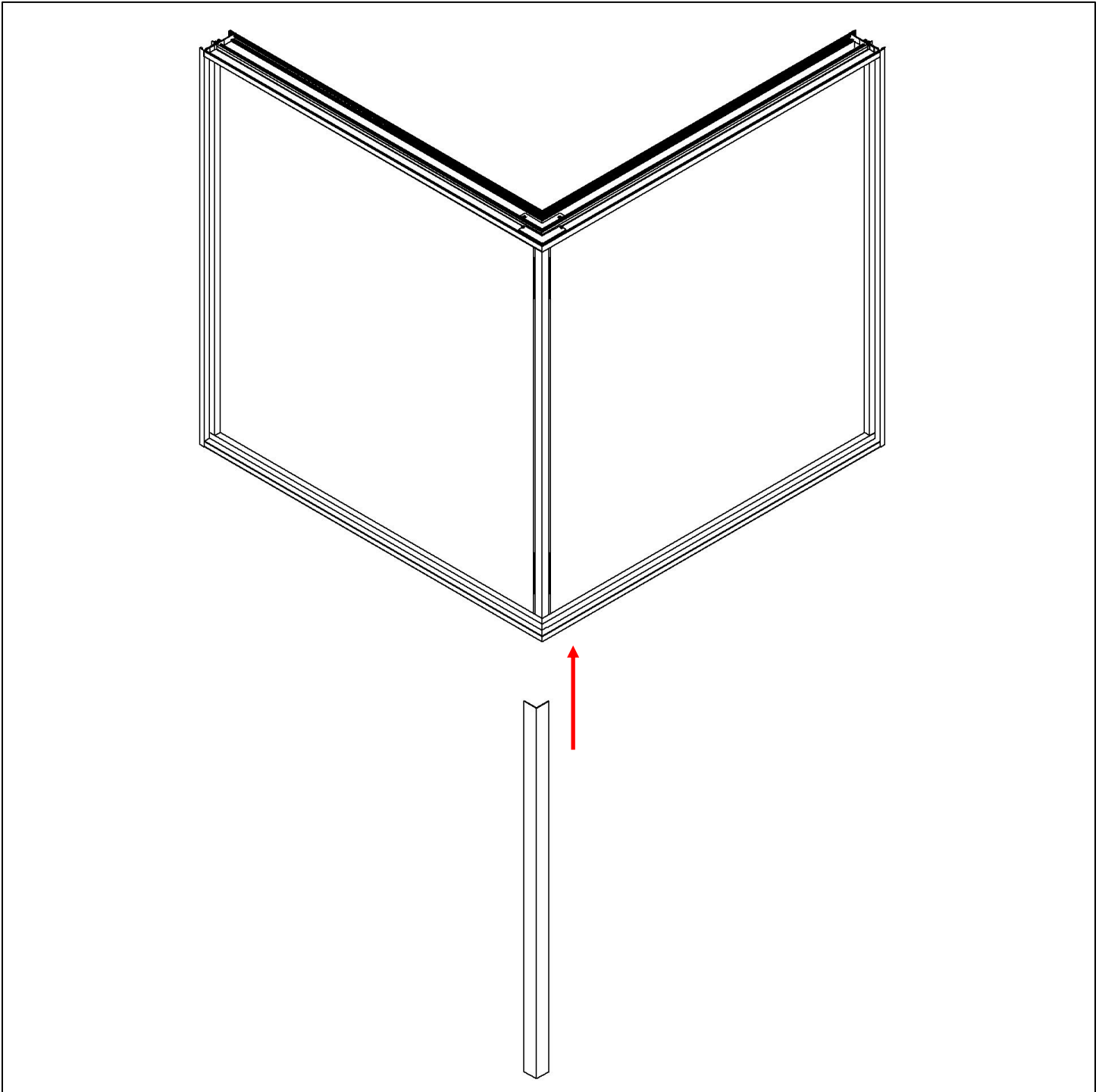


Fig. 9



Finishing

1. Clean the unit.

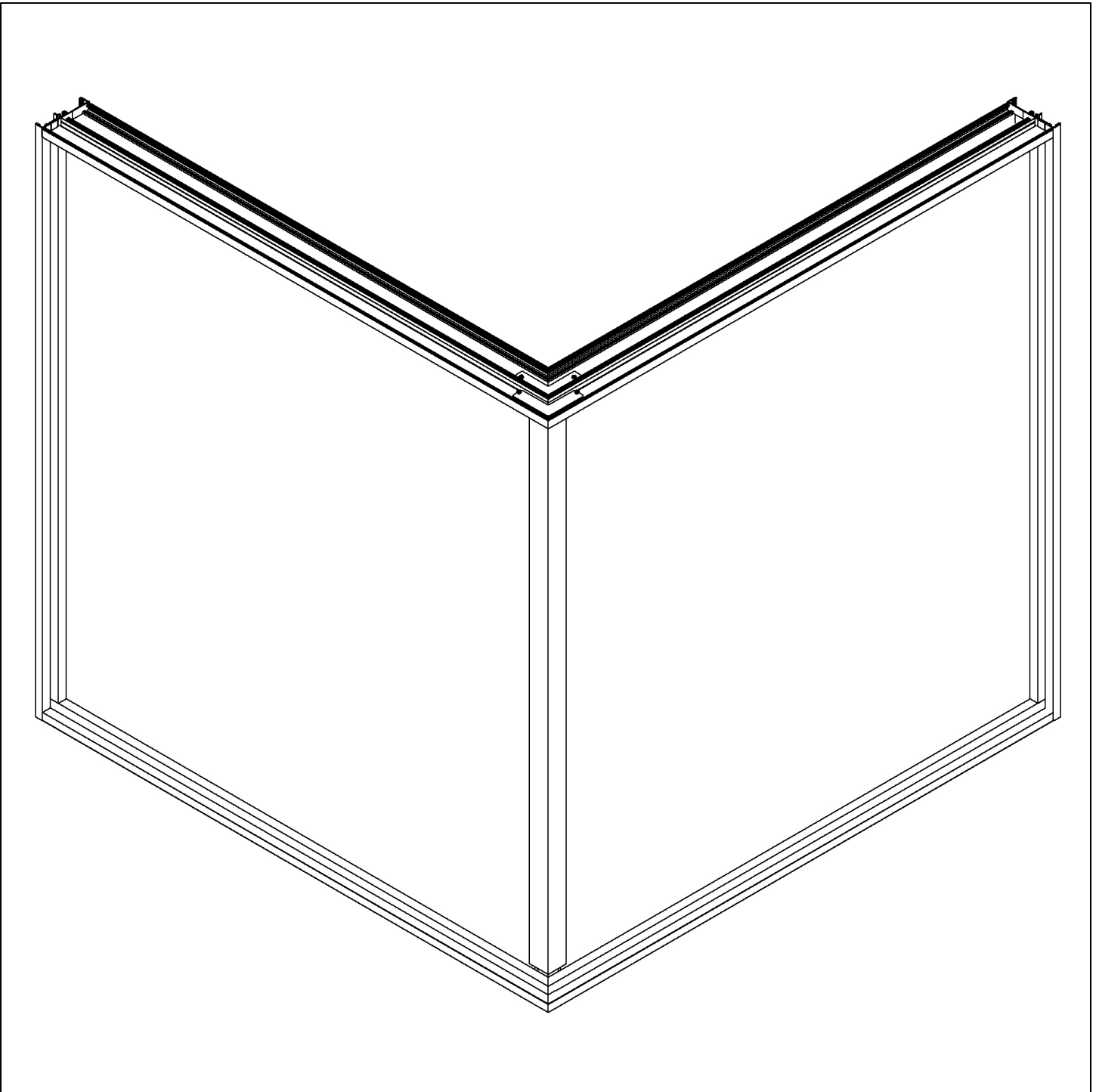


Fig. 10