

Vivid Windows

Mulling and Mull Installation Instructions

ABSTRACT: The following instructions are intended to instruct a qualified window expert on how to assemble windows in various mullion conditions including standard mulls, 1/2" mull reinforcement, and field mulls in the rough opening. These instructions assume a high level of user competency and that they are confident using power and hand tools, and performing all the tasks within. Read these instructions thoroughly before beginning.

Regional standard practices, environmental conditions, and codes may vary and supersede the procedures contained within. The responsibility for compliance is yours: the installer, inspector, and owner(s).

These instructions are used for the following products:

- Vivid Casement
- Vivid Casement Picture
- Vivid Awning
- Vivid Direct Glaze

WARNING!

Always practice safety! Wear the appropriate eye, ear and hand protection, especially when working with power tools.

WARNING!

This product can expose you to chemicals including methanol, which is known to the state of California to cause birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

WARNING!

This product can expose you to chemicals including titanium oxide, which is known to the state of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

WARNING!

Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to www.P65Warnings.ca.gov/wood.

IMPORTANT

Please consult with local authorities to properly dispose and/or recycle all packaging, materials, and waste.

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Installer and Builder Information

- Always provide a copy of these instructions for the current building owner.
- Plan sizing of rough opening and clearance from exterior finishing systems to allow for normal materials shrinkage or shifting (e.g. wood structure with brick veneer; allow adequate clearance at sill). Failure to do so can void the Marvin warranty coverage.
- Refer to the Technical Installation Specifications section for technical specifications regarding the installation of this product. These installation requirements as well as the details in this section must be followed to achieve the advertised design pressure (DP) rating of this product.
- It is the responsibility of the builder, installer and subcontractors to protect the interior and exterior of windows or doors from contact with harsh chemical washes, construction material contamination and moisture. Damage to glazing, hardware, weather strip and cladding can occur. Protect with painters tape and/or protective sheathing as required. Follow all guidelines regarding material use, preparation, personal safety and disposal.
- Refer to the enclosed painting instructions on the last page for exterior and interior finish instructions.
- Contact your Marvin supplier if you have any questions regarding product and materials used in manufacturing or questions on replacement parts.
- Please refer to the PDF version of this instruction for further information regarding best practices, installer and builder information, code, and other legal requirements. The PDF version is the official document of record

After Market Products

Alterations to Marvin products including window films, insulating or reflective interior window treatments or additional glazings can cause excessive heat buildup and/or condensation. They may lead to premature failures not covered under warranty by Marvin Windows and Doors.

Before purchasing or applying any product that may affect the installation or performance of Marvin windows contact the manufacturer of after market product/glazings that are not supplied by Marvin and request written product use, associated warranties and damage coverage. Provide this information and warranties to the end user and/or building owner for future reference.

Protective Films

Some products feature a clear protective film adhered to the glass surfaces to protect them from construction debris, dust, dirt, stucco, etc. When construction is complete, simply peel the film off and dispose of it with other construction debris.

IMPORTANT

Do not use a razor blade to remove the protective film. Do not use a pressure washer to clean debris from the film. The film should be removed within nine months (typical) of application.

The use of high absorption coatings and tints, Neat+® coated glass, LoE-189® and other exposed Low-E coatings could affect adhesion and reduce the amount of time allowed to remove the film. Please refer to the [manufacturer's website](#) and [bulletin](#) for more information on the physical properties and usage of the protective film.

IMPORTANT

DO NOT place suction cups over seams in the protective film.

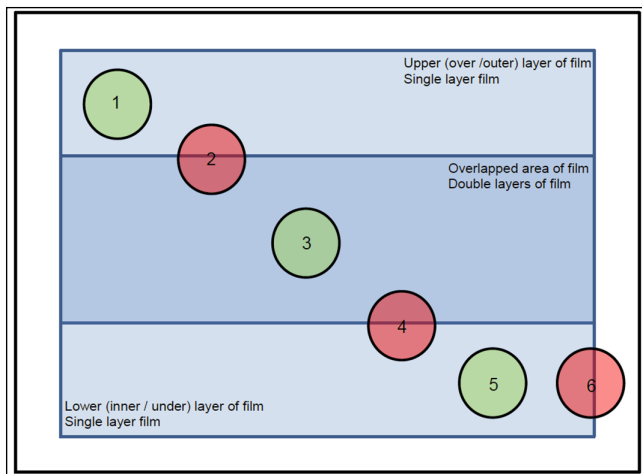


Figure 1 Do not put suction cups on seams or edges

Supplies Needed

- Rigid Head Flashing
- Masonry Anchors
- 2" Drywall Screws
- Shims
- 2" Roofing Nails
- Insulation
- Perimeter Sealant
- Sill Pan Flashing
- Backing Material (foam backing rod)
- Low Expansion Foam Insulation

Tools Needed

- Level
- Square
- Hammer
- Tape Measure
- Vacuum Cups
- Air Wedge
- Clamps
- Mallet
- Drill/Driver
- T20 Star Drive Bit
- 5/32" (4mm) Drill Bit

Standard Mull (Frame to Frame), Factory Assembled

A Standard Mull joins window frames tightly together without any reinforcement or gaps, using pins and sealant. This section covers mulls delivered pre-assembled from the factory.

Job Box Includes:

- Unit Hardware (refer to unit specific instructions)
- Full Gussets (2 per mullion) and screws
- Masonry Brackets and screws or Through Jamb screws (depending on installation type)

1. Set up assembly area (clean flat area) setting the assemblies exterior side down. Inspect assemblies for any damage. See [Figure 2](#).

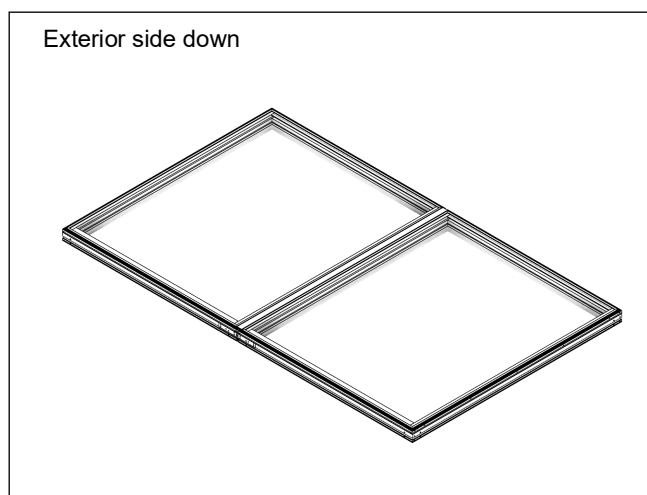


Figure 2 Multi-Unit inspection, exterior side down

2. Remove all shipping straps from mull joints. See [Figure 3](#).

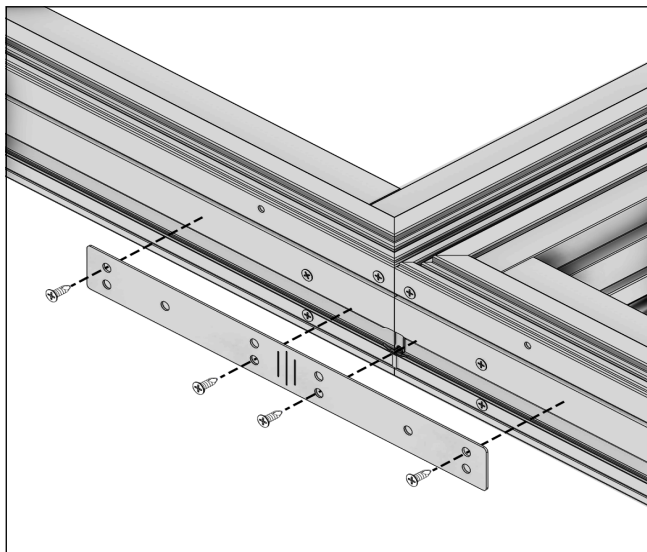


Figure 3 Remove shipping strap

3. Center and align the bottom edge of the full gusset plate with the edge of the T-slot at all mull joints. If using a mounting flange, the gusset plate can rest on the flange for alignment. See [Figure 4](#).

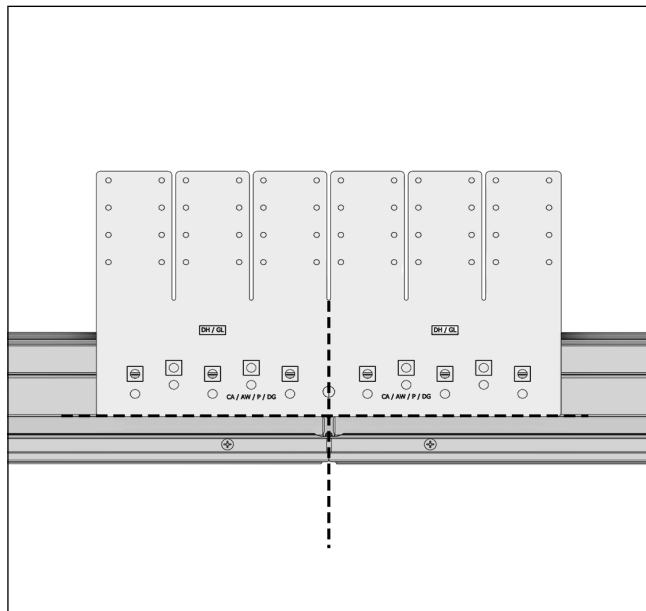


Figure 4 Center and align full gusset

4. Fasten full gusset plate(s) with the supplied #7 x 1/2" flathead screws. Do not over-tighten. See [Figure 5](#).

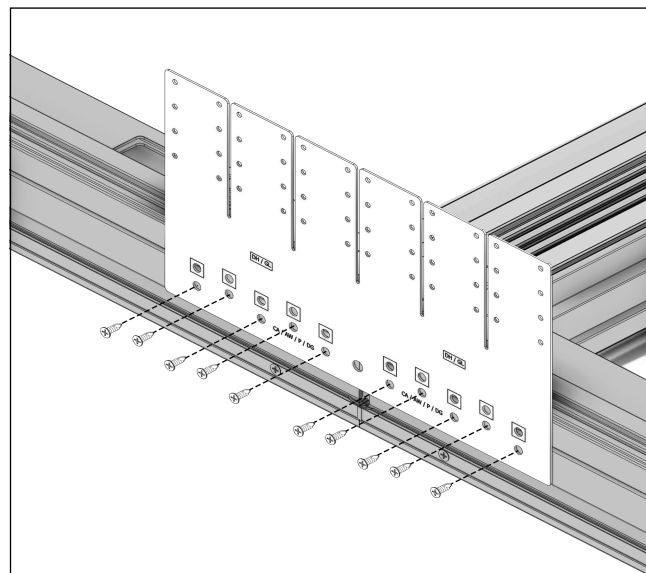


Figure 5 Fasten full gusset



Hint

Bend gusset plates inwards, towards center to reduce chance of interfering with RO during installation. See [Figure 6](#).

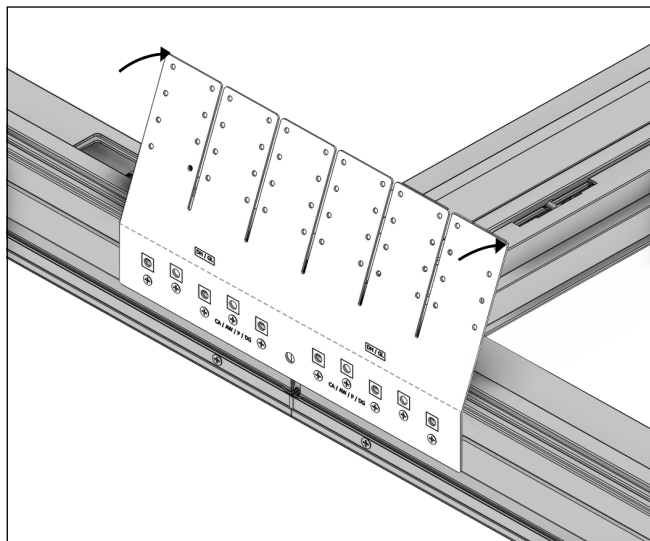


Figure 6 Bend gussets

5. Repeat steps for all remaining mull joints.

6. For step-by-step instructions on how to prepare an opening using Method A1 using a TYPE III flash pan, refer to **Rough Opening Prep instructions**. Refer to ASTM E2112-07 for other rough opening preparations that are more appropriate for your situation. Using a smartphone or similar device, scan the QR code or click on instruction to view these instructions.



7. Shim unit: 1/16" shims are required to be applied to the sill prior to placing assembly in the RO. Do not shim under gusset plates. Shim spacing is 6" max from corner and 15" max on center. See [Figure 7](#).

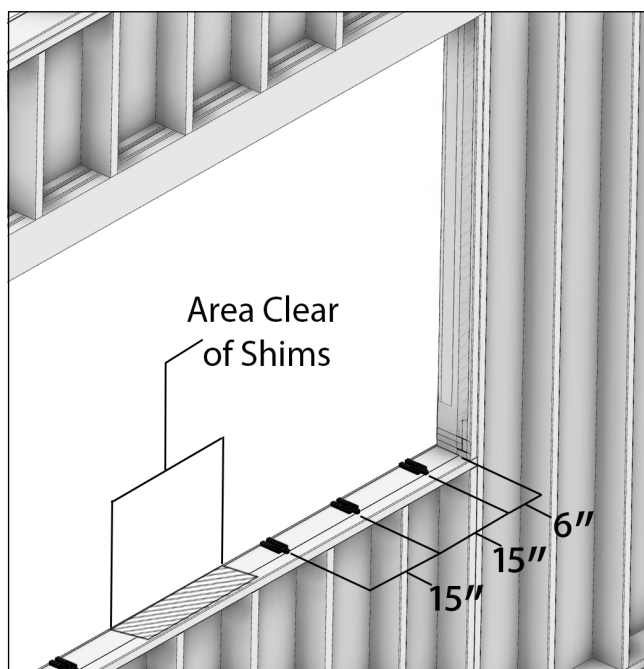


Figure 7

8. For more information on how to install your unit using the **Vivid Window Installation Instruction** included in your job box. Using a smartphone or similar device, scan the QR code or click on instruction to view these instructions.



9. Bend the gussets against wood framing as shown in [Figure 8](#). Attach the gusset with twelve #8 x 1-5/8" flathead screws. Make sure that the screws are no more than 1/4" from the bend in the bracket (the edge of wood buck). Angle the screws approximately 15° toward the thicker part of the framing member. *NOTE: It may be necessary to drill two 5/32" holes in the bracket.*

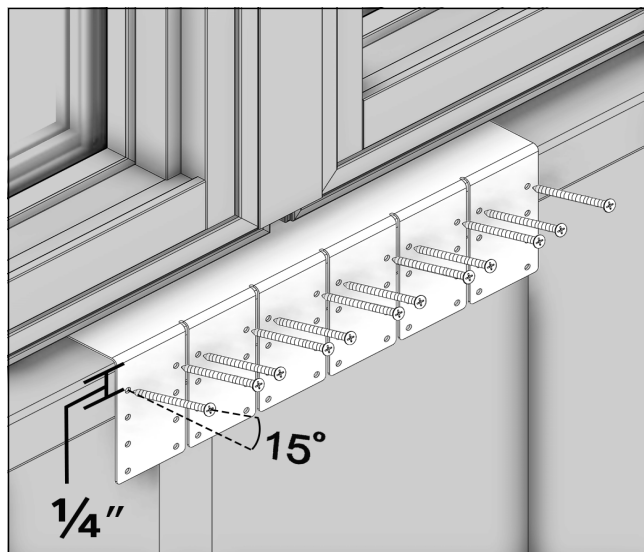


Figure 8 Fasten gusset

10. Install Rigid Head Jamb flashing. See [Figure 9](#) and [Figure 10](#)

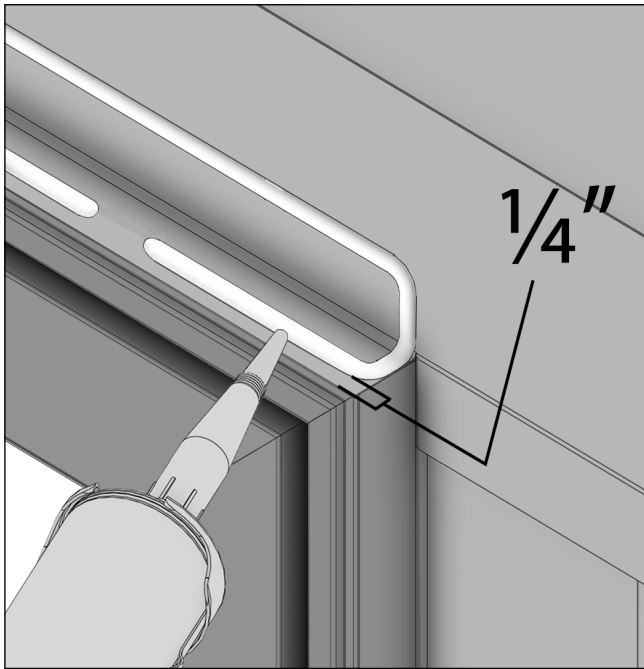


Figure 9

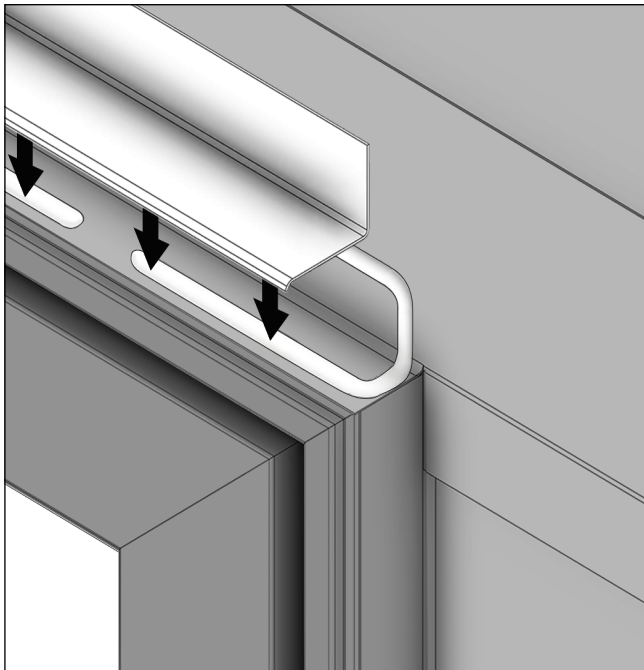


Figure 10

11. Return to the standard installation instructions for installation completion steps.

Standard Mull (Frame to Frame), Field Assembled

A Standard Mull joins window frames tightly together without any reinforcement or gaps, using pins and sealant. This section covers mulls delivered ready for field assembly.

Job Box Includes:

- Unit Hardware (refer to unit specific instructions)
- Full Gussets (2 per mullion) and screws
- Masonry Brackets with screws or Through Jamb screws (Depending on installation type)

1. Set up assembly area (clean flat area) setting the units exterior down to begin. Inspect units for any damage. Set one or all units, if room allows, of the factory assemblies exterior side down. See [Figure 11](#).

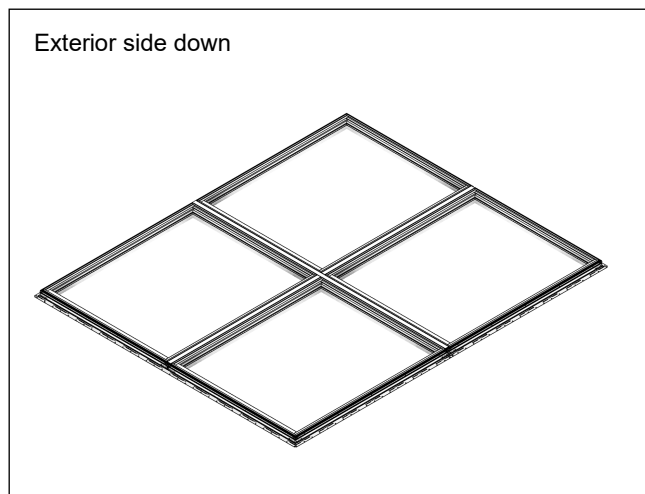


Figure 11

2. Remove all shipping straps from mull joints. See [Figure 12](#).

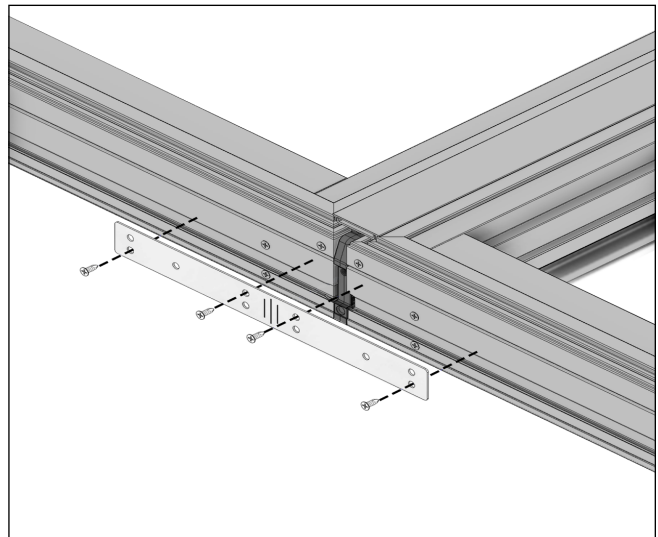


Figure 12

3. Center and align the bottom edge of the full gusset plate with the edge of the T-slot at all mull joints. If using a mounting flange, the gusset plate can rest on flange for alignment. See [Figure 47](#).

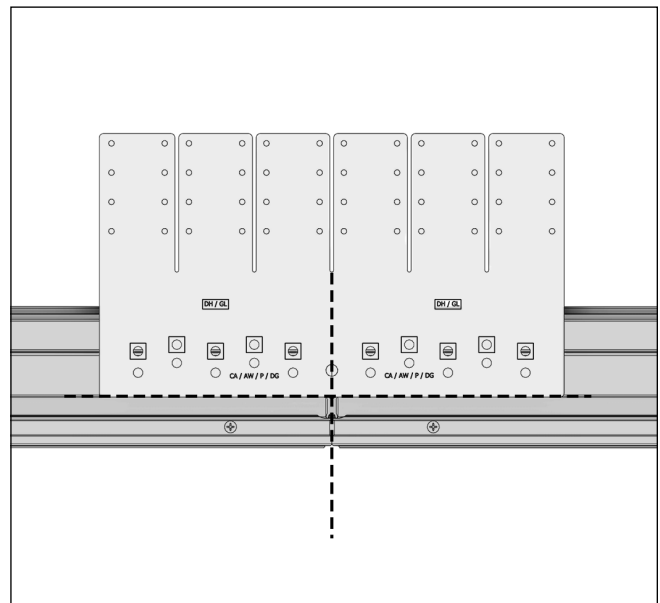


Figure 13

4. Fasten full gusset plates with the supplied #7 x 1/2" flathead screws. Do not over-tighten. See [Figure 14](#).

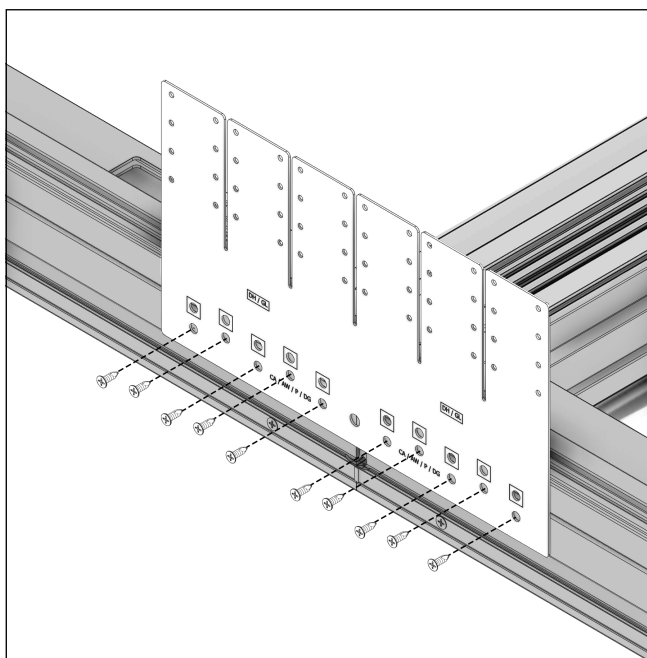


Figure 14



Hint

Bend gusset plates inwards, towards center to reduce chance of interfering with RO during installation. See [Figure 15](#).

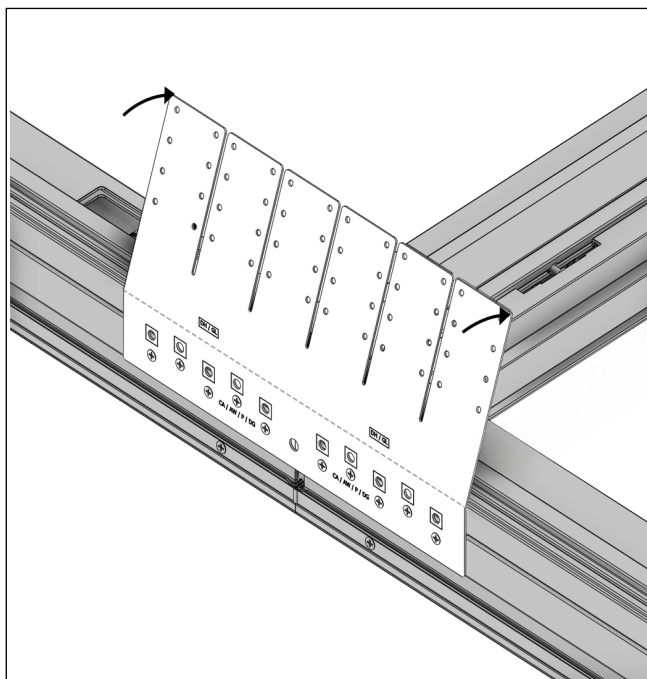


Figure 15

5. Repeat steps for all remaining mull joints.

6. For step-by-step instructions on how to prepare an opening using Method A1 using a TYPE III flash pan, refer to **Rough Opening Prep instructions** titled “Window Rough Opening Prep and Flashing Method A1-Membrane Drainage System”.

Using a smartphone or similar device, scan the QR code or click here to view these instructions.



7. Shim unit: 1/16” shims are required to be applied to the sill prior to placing assembly in the RO. Do not shim under gusset plates. Shim spacing is 6” max from corner and 15” max on center. See [Figure 16](#)

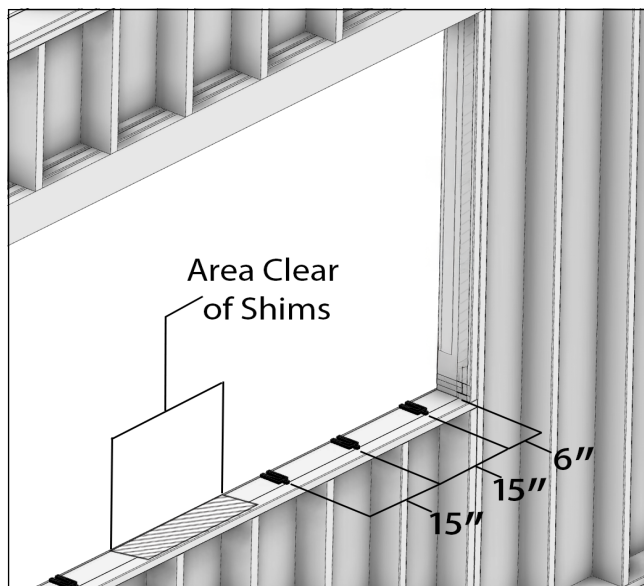


Figure 16

8. For more information on how to install your unit using the **Vivid Window Installation Instruction** included in your job box or using a smartphone or similar device, scan the QR code or click here to view these instructions.



9. Bend gussets against wood framing as shown in [Figure 17](#). Attach the gussets with twelve #8 x 1-5/8” screws. Make sure that the screws are no more than 1/4” from the bend in the bracket (edge of wood buck). Angle the screws approximately 15 degrees toward the thicker part of the framing member. *NOTE: It may be necessary to drill two 5/32” holes in the bracket.*

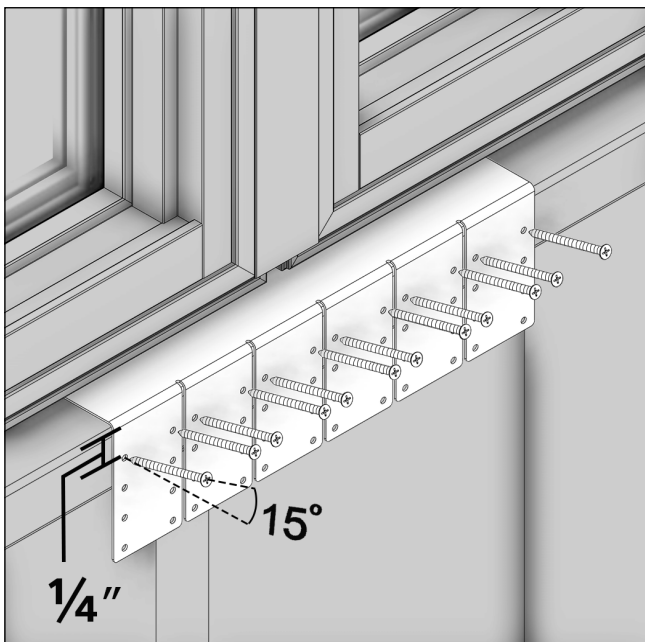


Figure 17

10. Install Rigid Head Jamb flashing. See [Figure 18](#) and [Figure 19](#)

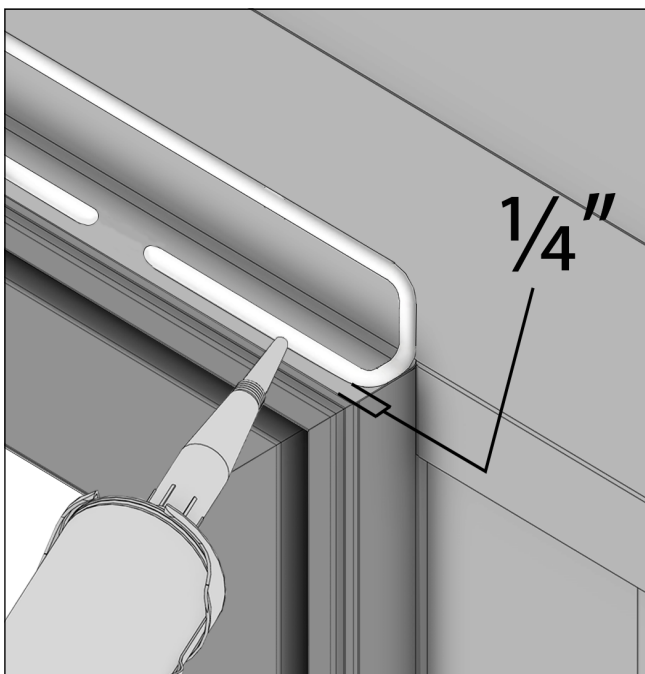


Figure 18

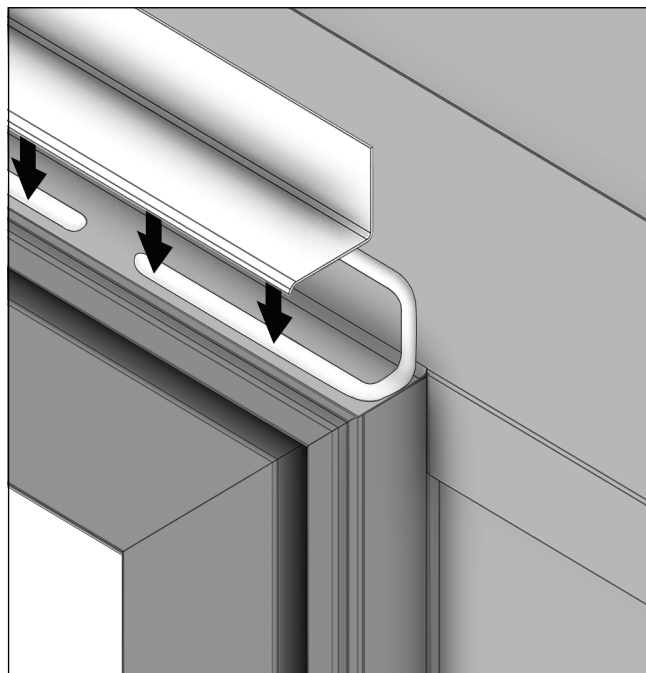


Figure 19

11. Return to the standard installation instructions for installation completion steps.

Additional Gusset Fastening

12. Additional screws are needed at all head jamb and jamb gussets, full or split. **DO NOT DRILL THROUGH THE SILL.** See [Figure 20](#)

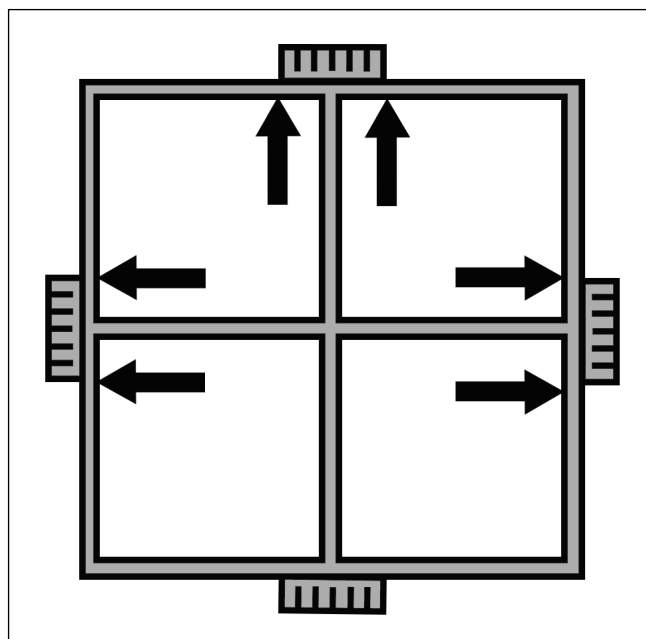


Figure 20

13. Remove the covers needed to access the base frame next to any head jamb or jamb gusset. For factory

assembled mulls with Direct Glaze Units, the interior mull cover will need to be removed before the screw covers.

14. Once the interior cover(s) are removed, measure 1/4" off the edges of the gusset. See [Figure 21](#) and [Figure 22](#).

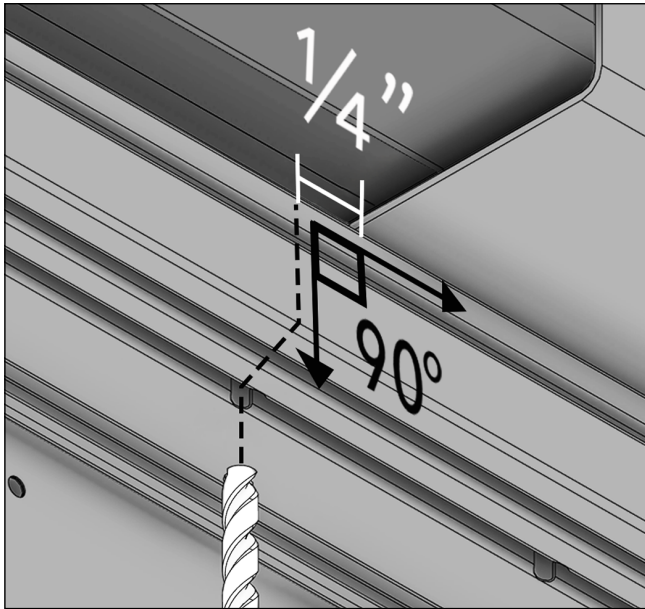


Figure 21 Casement

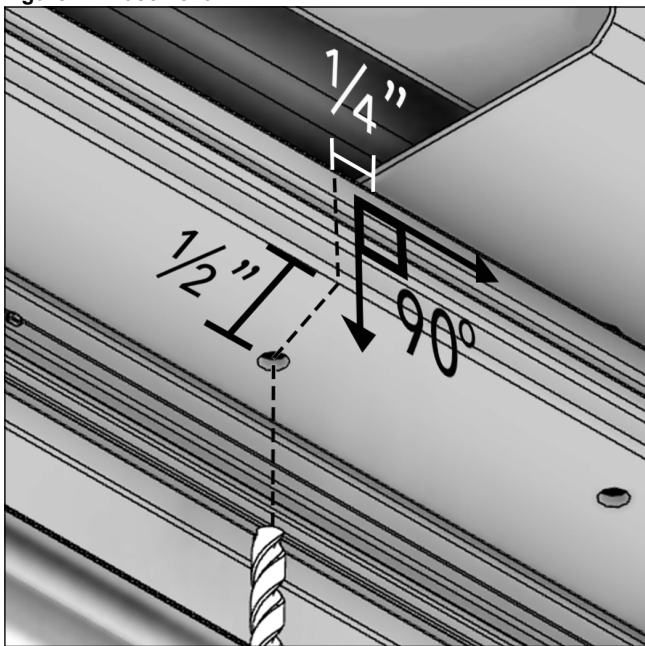


Figure 22 Direct Glaze

15. **Casement** product hole locations will align with the through jamb holes in the interior kerf. All holes regardless of unit type will align with the existing through jamb holes. Drill the marked locations, drill through the frame with a 3/16" drill bit. Once all holes are drilled, fasten the frame to the RO with the provided #8 x 3" screws using a T20 star bit. Additional shimming

may be required. DO NOT OVERTIGHTEN. See [Figure 23](#)

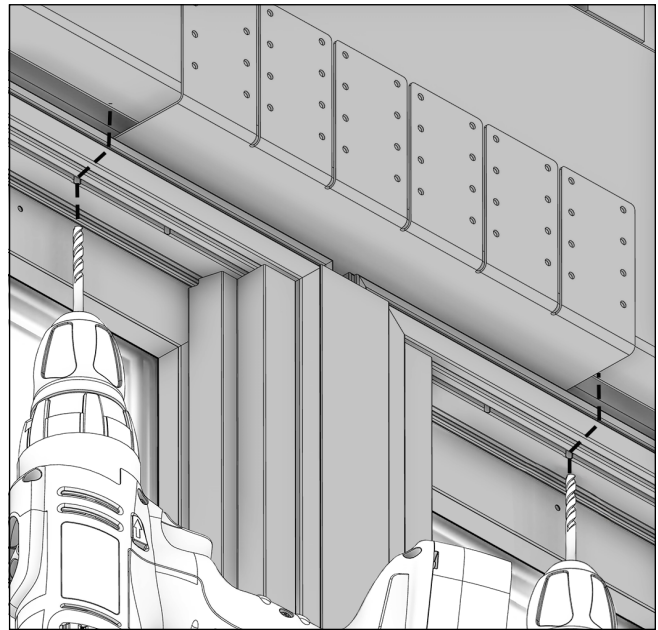


Figure 23 Casement

16. For **Direct Glaze** product, measure 1/2" off the interior face of the frame. All holes regardless of unit type will align with the existing through jamb holes. Drill the marked locations, drill through the frame with a 3/16" drill bit. Once all holes are drilled, fasten the frame to the RO with the provided #8 x 3" screws using a T20 star bit. Additional shimming may be required. DO NOT OVERTIGHTEN. See [Figure 24](#)

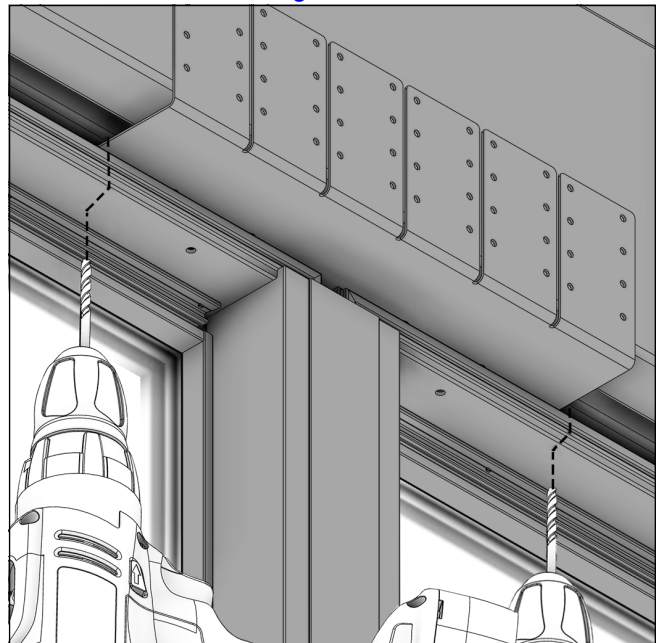


Figure 24 Direct Glaze

Standard Mull (Frame to Frame), Field Assembled

Can be delivered prepared for field assembly with option to assemble flat, prior to installation. A Standard Mull joins window frames tightly together without any reinforcement or gaps, using pins and sealant.

Job Box Includes:

- Unit Hardware (refer to unit specific instructions)
- Foam Gasket Roll, 1/2" x 10' (1 roll per mullion)
- Interior Cover Carrier(s)
- Interior Cover(s)
- Exterior Cover(s)
- Full Gussets (2 per mullion) and screws
- Masonry Brackets with screws or Through Jamb screws (Depending on installation type)

1. Set up assembly area (clean flat area) setting the assemblies exterior side down. Inspect assemblies for any damage. See [Figure 25](#).

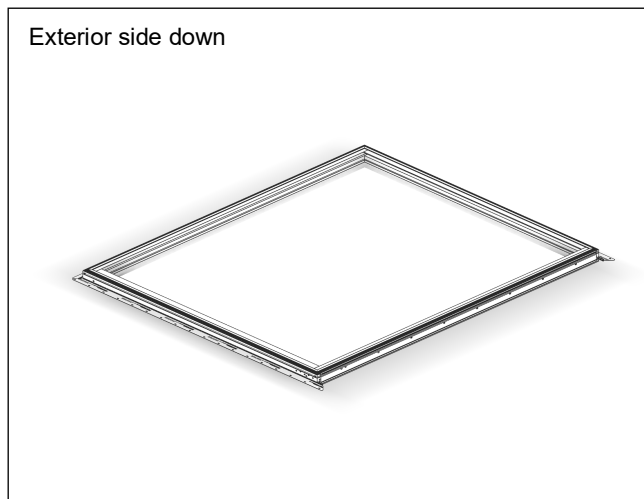


Figure 25 Inspect

2. Mounting flange will need to be trimmed to fit assembly. (Through jamb and masonry installations might not include mounting flange.) See [Figure 26](#) and [Figure 27](#).

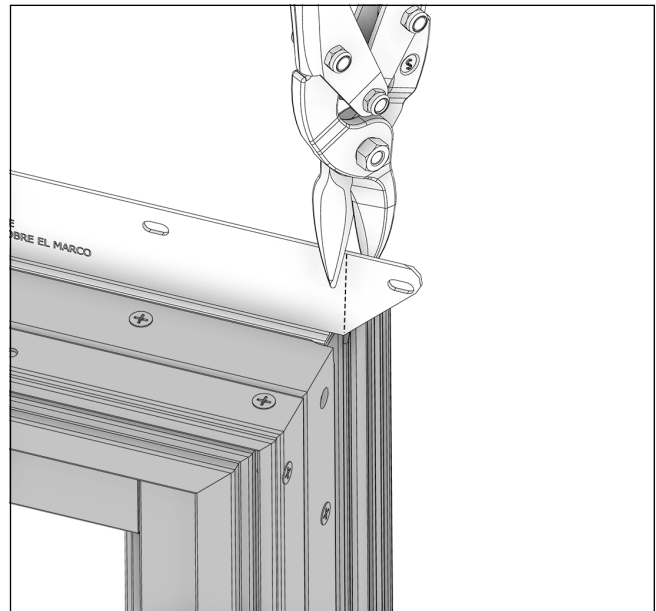


Figure 26 Trim mounting flange

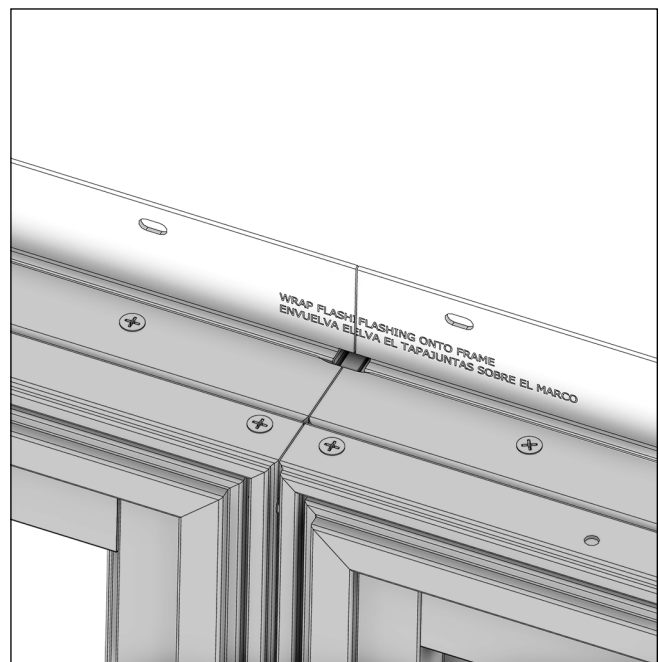


Figure 27 Trim joined mounting flange

3. Clean/wipe area and apply tape centered in recess, extending past corner of frame (1/4" – 1/2"). See [Figure 28](#) and [Figure 29](#). Image for illustrative purposes only, your unit may include nailing fin.

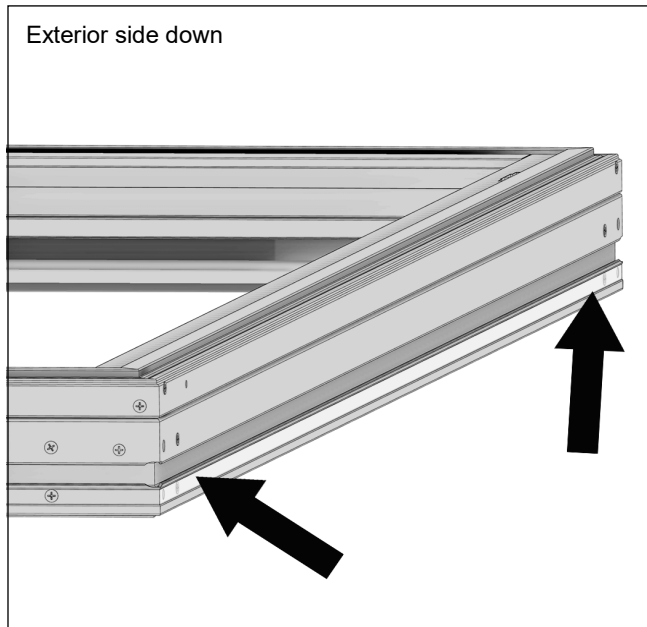


Figure 28 Clean recess

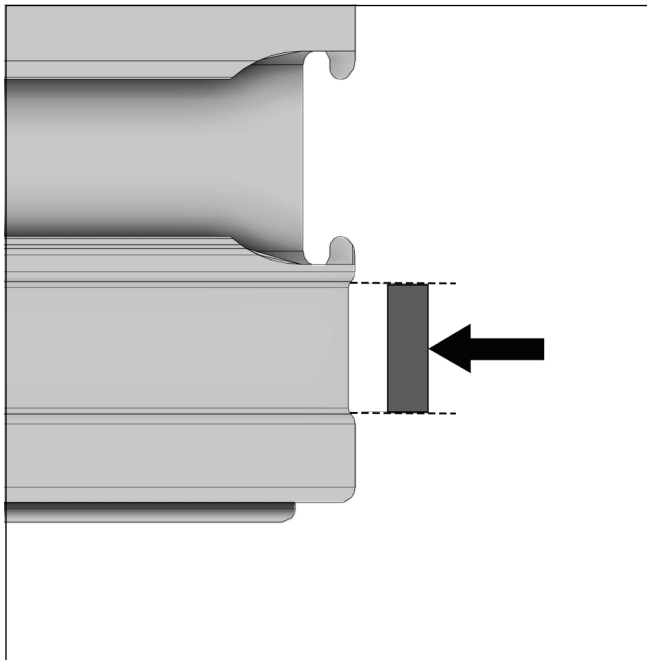


Figure 29 Apply tape

4. Move assemblies together and flush the end. See [Figure 30](#) and [Figure 31](#).

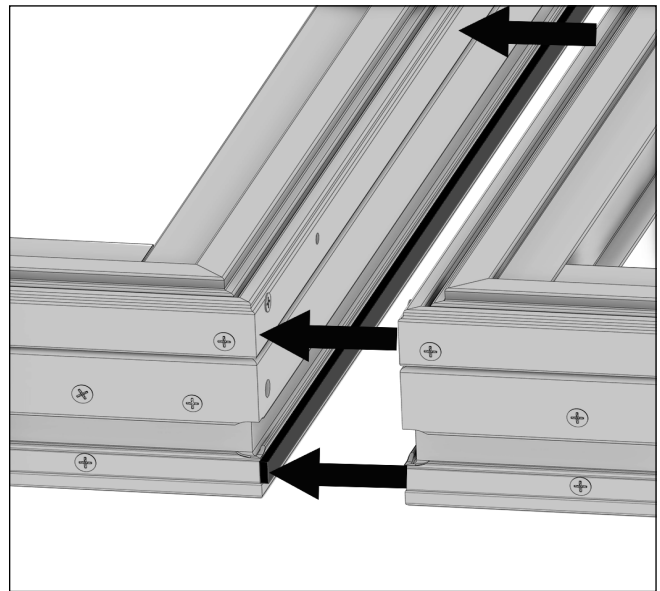


Figure 30 Move assemblies together flush ends

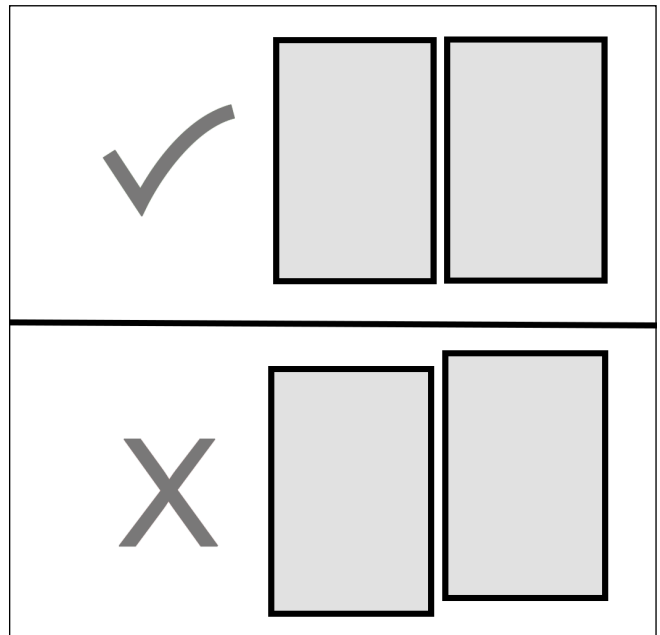


Figure 31 Move assemblies together flush ends

5. Clamp units together with 2 or more clamps.
Recommended: One clamp every two feet. This will help with mull pin insertion. See [Figure 32](#).

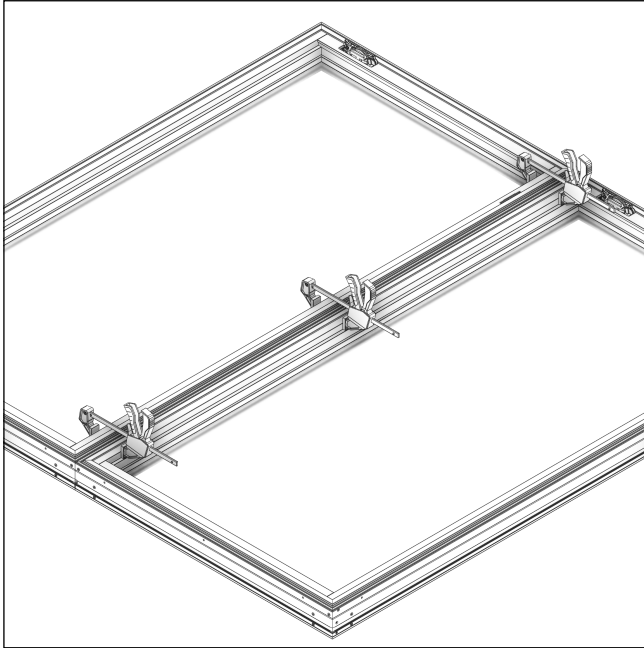


Figure 32 Clamp assemblies together

6. Insert the mull pin into the t-slot by hand. Align it carefully to avoid damage or misplacement. See [Figure 33](#).

- Once the pin is roughly in place, lightly tap it with a mallet to drive it further in. Don't use excessive force here. See [Figure 34](#).
- Use a punch or similar tool to push the mull pin fully down. Ensure the pin sits flush with the bottom of the T-slot. See [Figure 35](#).

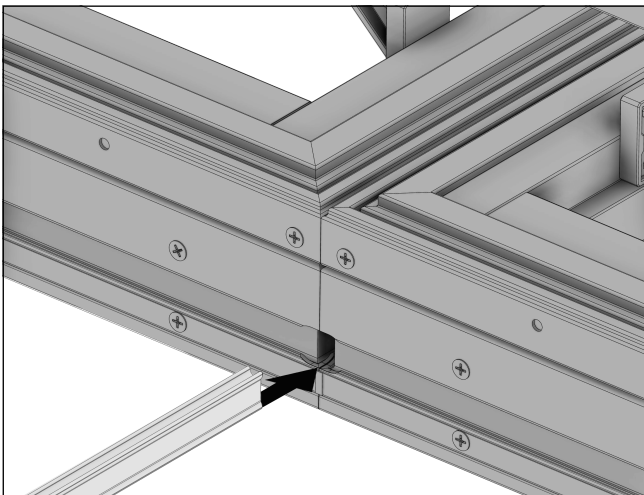


Figure 33 Insert mull pin

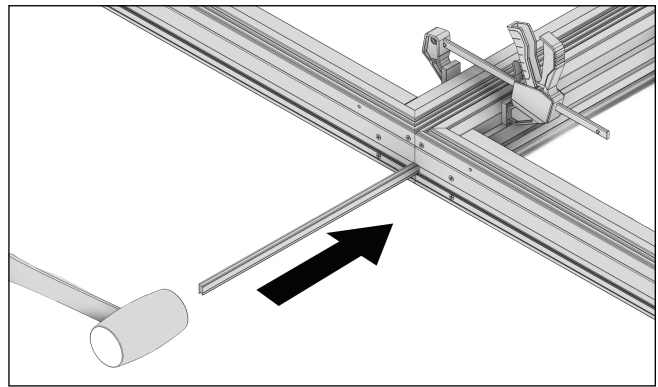


Figure 34 Insert mull pin

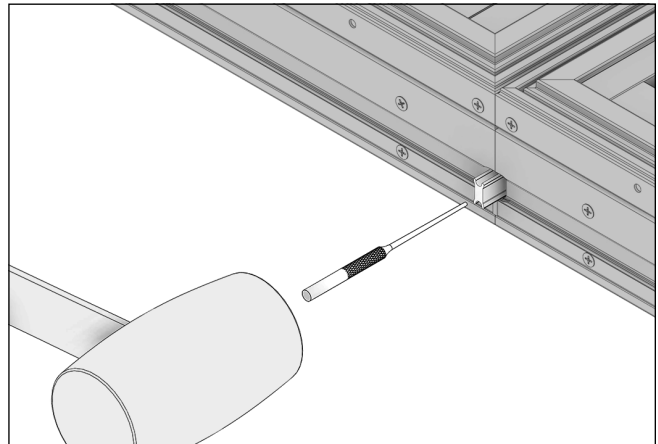


Figure 35 Insert mull pin

7. Remove clamps and attach interior mull carrier. Align the carrier 1/2" from the edge of the drywall return. See [Figure 36](#) and [Figure 37](#).

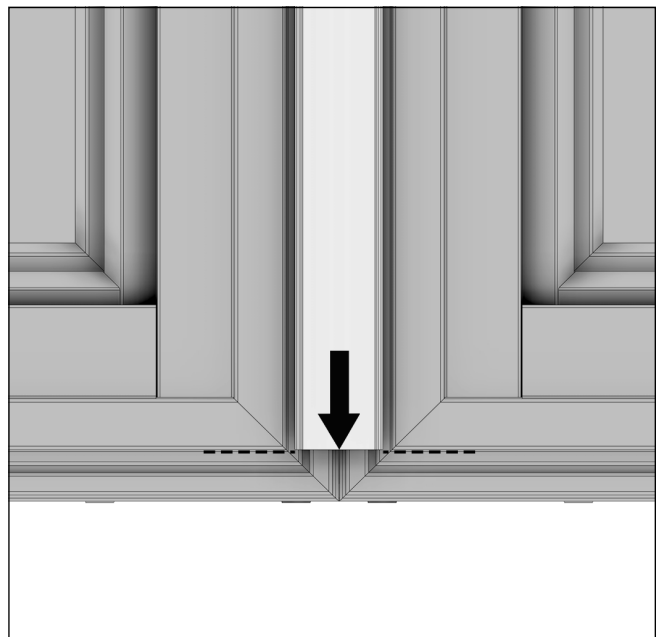


Figure 36 Attach interior mull carrier

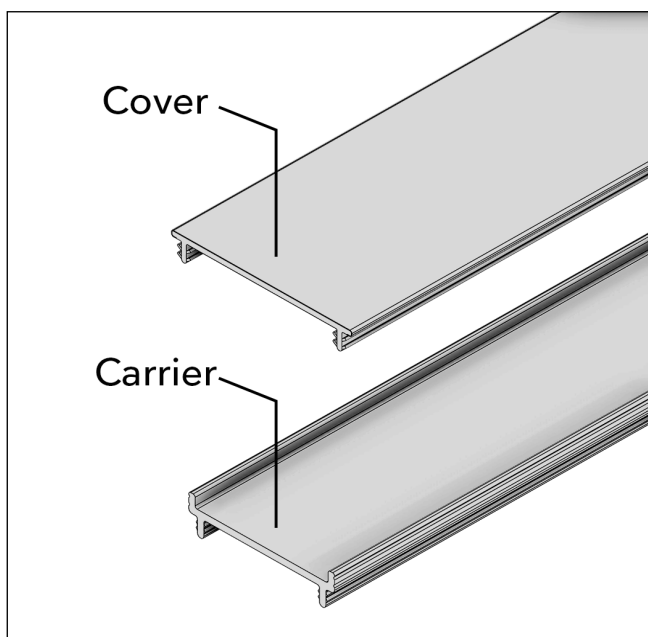


Figure 37 Attach interior mull carrier

8. Center and align the bottom edge of the full gusset plate with the edge of the T-slot on all mull joints. If using a mounting flange, the full gusset plate can rest on flange for alignment. See [Figure 38](#).

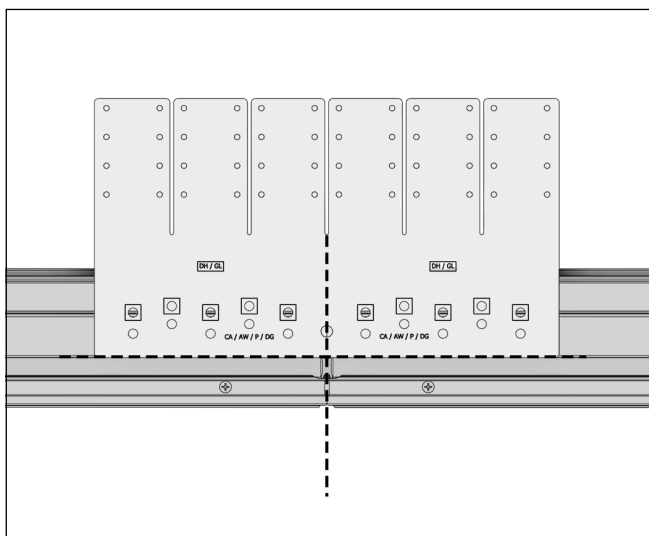


Figure 38

9. Fasten full gusset plates with the supplied #7 x 1/2" flathead screws. Do not over-tighten. See [Figure 39](#).

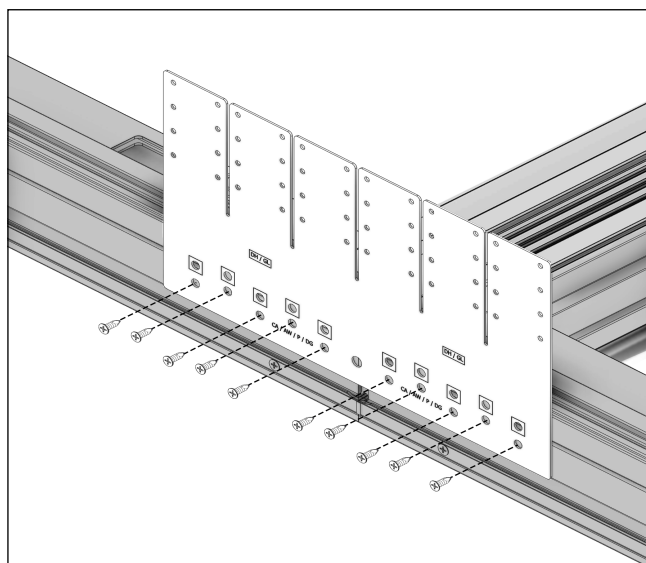


Figure 39



Hint

Bend gusset plates inwards, towards center to reduce chance of interfering with RO during installation. See [Figure 40](#).

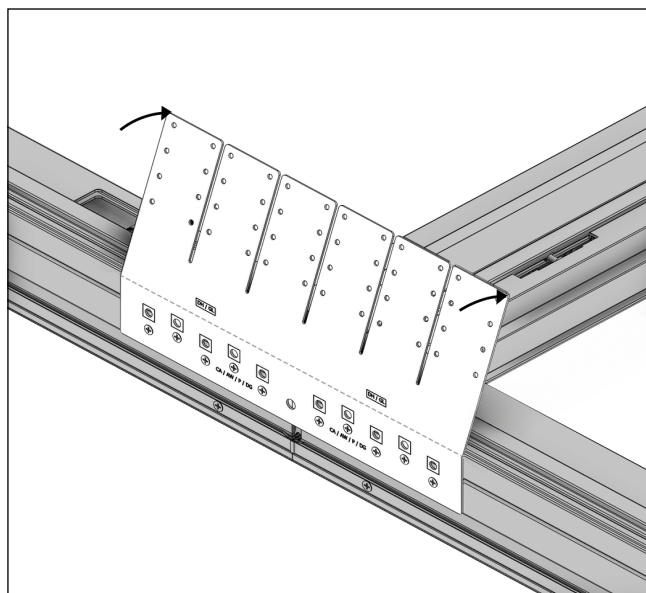


Figure 40

10. Repeat steps for all remaining mull joints.

11. For step-by-step instructions on how to prepare an opening using Method A1 using a TYPE III flash pan, refer to **Rough Opening Prep instructions** titled "Window Rough Opening Prep and Flashing Method A1-Membrane Drainage System".



12. Shim unit: 1/16" shims are required to be applied to the sill prior to placing assembly in the RO. Do not shim under gusset plates. Shim spacing is 6" max from corner and 15" max on center. See [Figure 41](#).

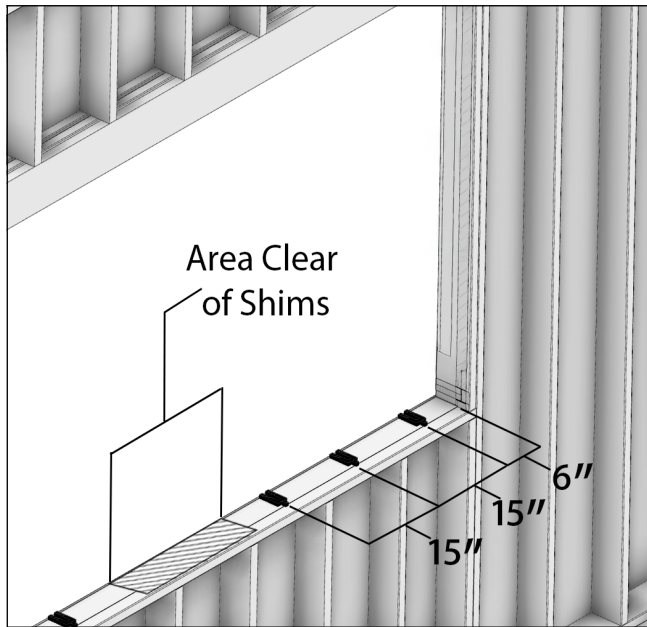


Figure 41

13. For more information on how to install your unit using the **Vivid Window Installation Instruction** included in your job box or using a smartphone or similar device, scan the QR code or click here to view these instructions.



14. Return to the standard installation instructions for installation completion steps.

15. Bend gussets against wood framing as shown in [Figure 42](#). Attach the gusset with twelve #8 x 1-5/8" screws. Make sure that the screws are no more than 1/4" from the bend in the bracket (edge of wood buck). Angle the screws approximately 15 degrees toward the thicker part of the framing member. *NOTE: It may be necessary to drill two 5/32" holes in the bracket.*

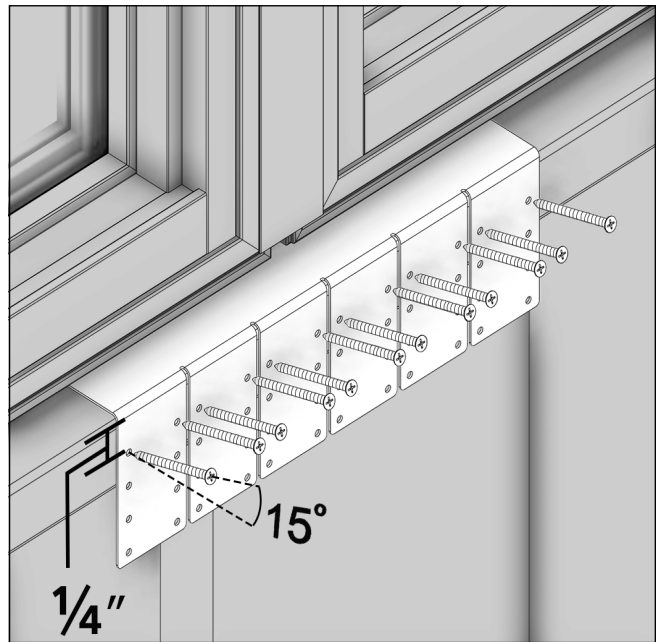


Figure 42

16. Install Rigid Head Jamb flashing. See [Figure 43](#) and [Figure 44](#)

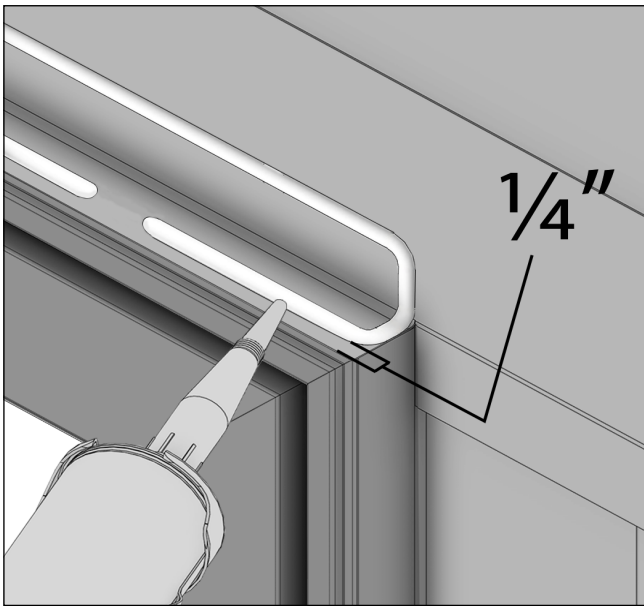


Figure 43

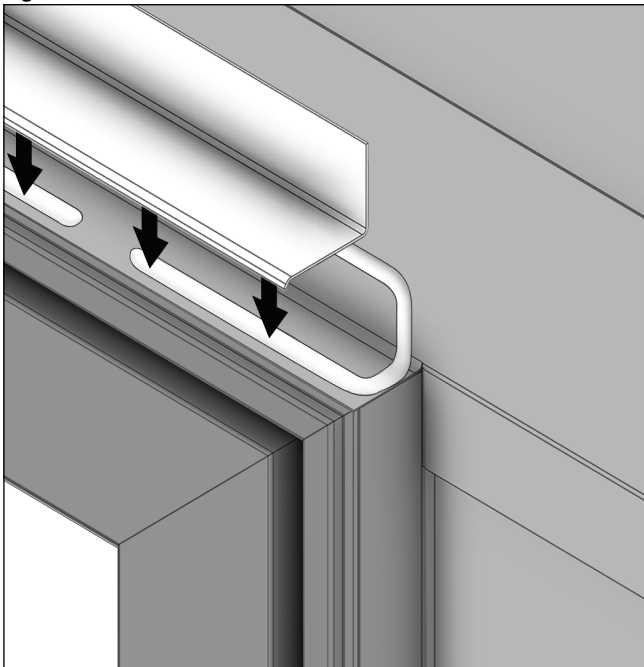


Figure 44

1/2" MRF Mull, Factory Assembled

1/2" Mull Reinforcement (MRF or space mull) can be delivered factory pre-assembled with option to assemble flat, prior to installation, or in the rough opening (RO)

Job Box Includes:

- Unit Hardware (refer to unit specific instructions)
- Full Gussets (2 per mullion) and screws
- Masonry Brackets with screws or Through Jamb screws (Depending on installation type)

1. Set up assembly area (clean flat area) setting the units exterior down to begin. Inspect units for any damage. Set one or all units, if room allows, of the factory assemblies exterior side down. See [Figure 45](#).

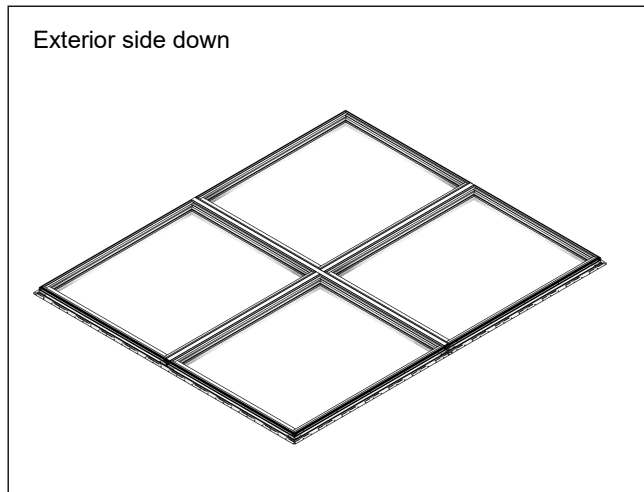


Figure 45

2. Remove all shipping straps from mull joints. See [Figure 46](#).

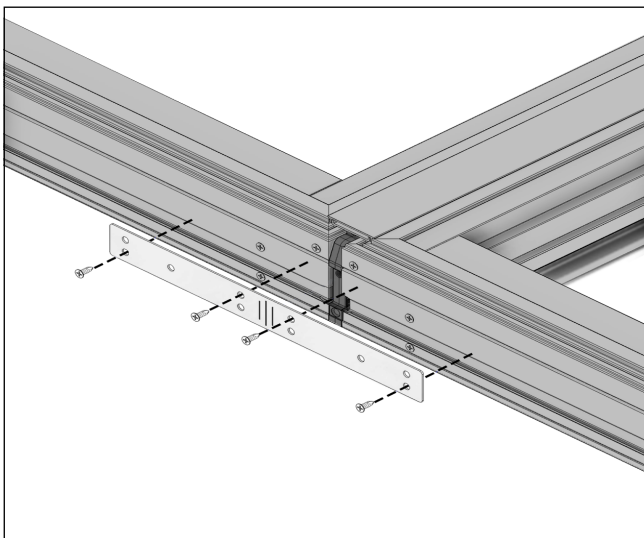


Figure 46

3. Center and align the bottom edge of the full gusset plate with the edge of the T-slot at all mull joints. If using a mounting flange, the gusset plate can rest on flange for alignment. See [Figure 47](#).

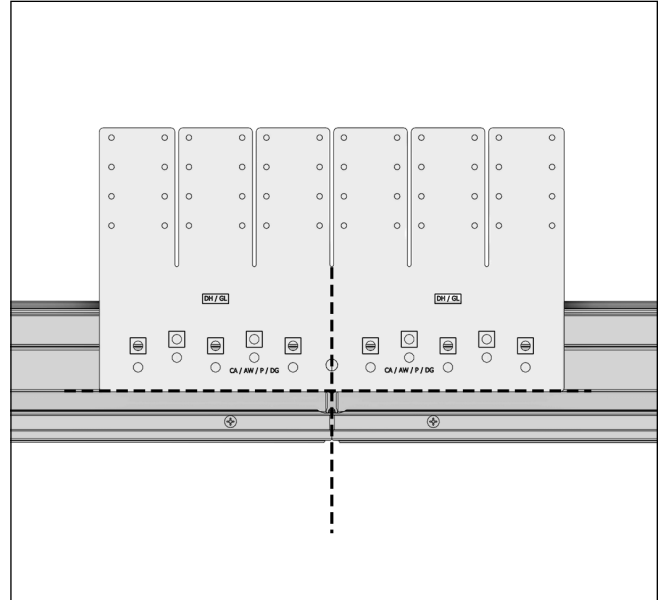


Figure 47

4. Fasten full gusset plates with the supplied #7 x 1/2" flathead screws. Do not over-tighten. See [Figure 48](#).

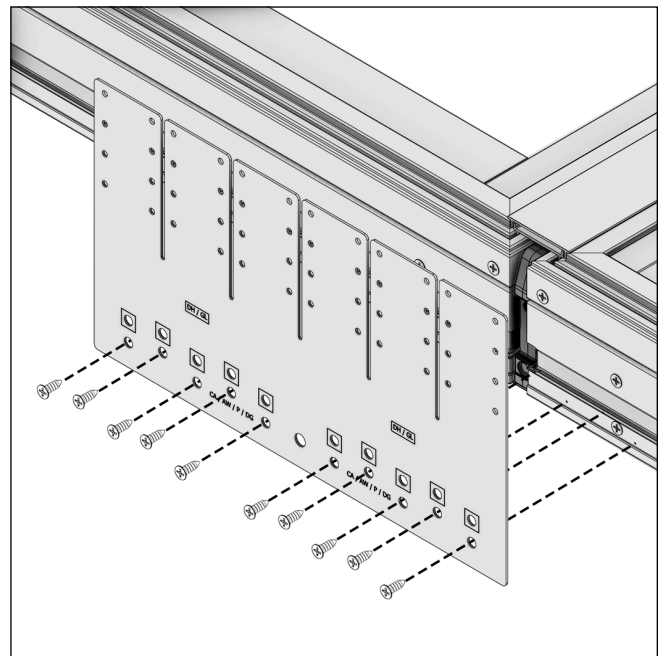


Figure 48



Hint

Bend gusset plates inwards, towards center to reduce chance of interfering with RO during installation. See [Figure 49](#).

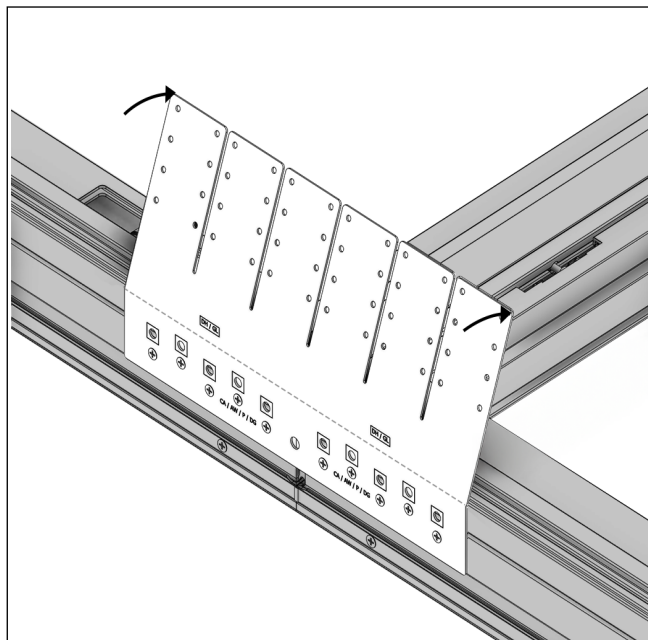


Figure 49

5. Repeat steps for all remaining mull joints.

6. For step-by-step instructions on how to prepare an opening using Method A1 using a TYPE III flash pan, refer to **Rough Opening Prep instructions** titled "Window Rough Opening Prep and Flashing Method A1-Membrane Drainage System". Using a smartphone or similar device, scan the QR code or click here to view these instructions.



7. Shim unit: 1/16" shims are required to be applied to the sill prior to placing assembly in the RO. Do not shim under gusset plates. Shim spacing is 6" max from corner and 15" max on center. See [Figure 50](#).

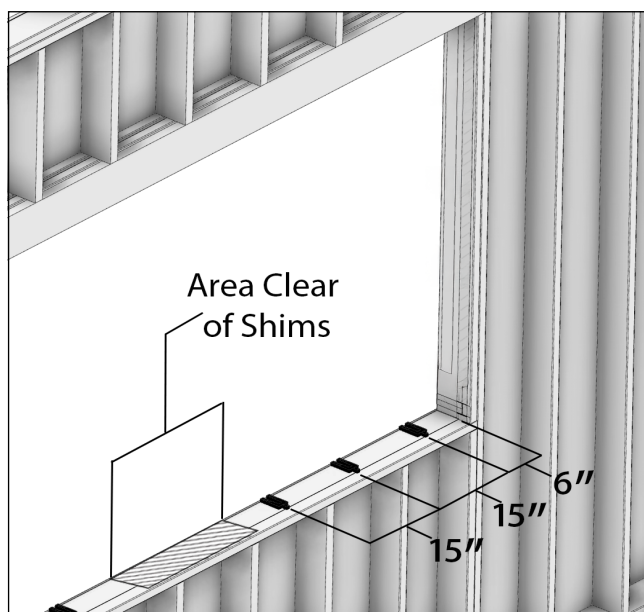


Figure 50

8. For more information on how to install your unit using the **Vivid Window Installation Instruction** included in your job box or using a smartphone or similar device, scan the QR code or click here to view these instructions.



9. Bend gussets against wood framing as shown in [Figure 51](#). Attach the gussets with twelve #8 x 1-5/8" screws. Make sure that the screws are no more than 1/4" from the bend in the bracket (edge of wood buck). Angle the screws approximately 15 degrees toward the thicker part of the framing member. *NOTE: It may be necessary to drill two 5/32" holes in the bracket.*

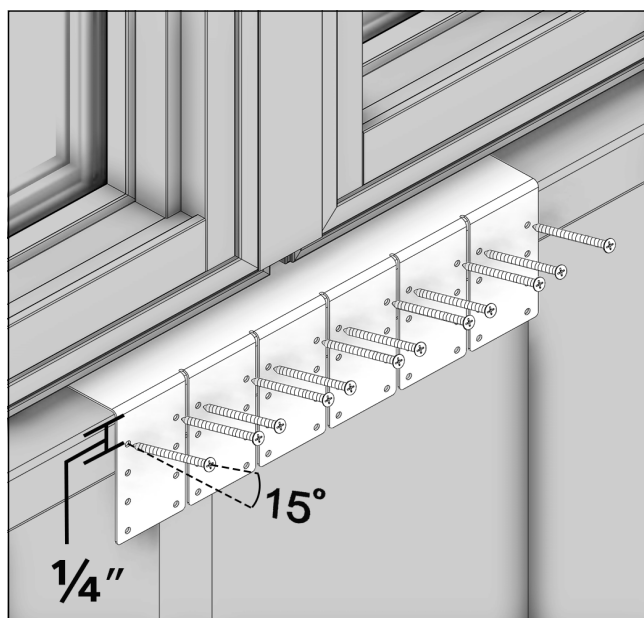


Figure 51

10. Install Rigid Head Jamb flashing. See [Figure 52](#) and [Figure 53](#)

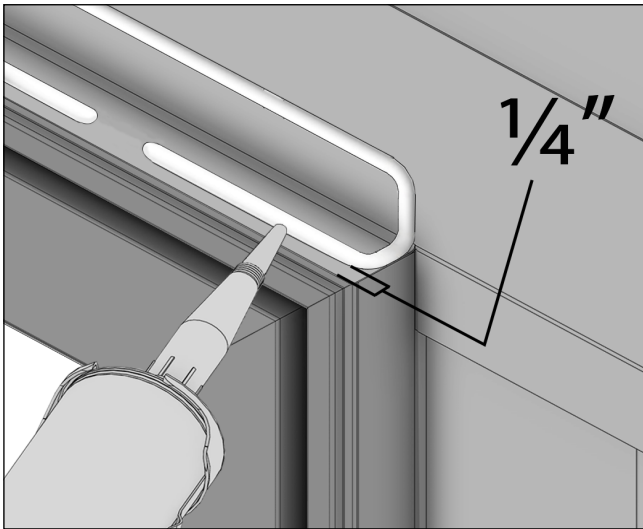


Figure 52

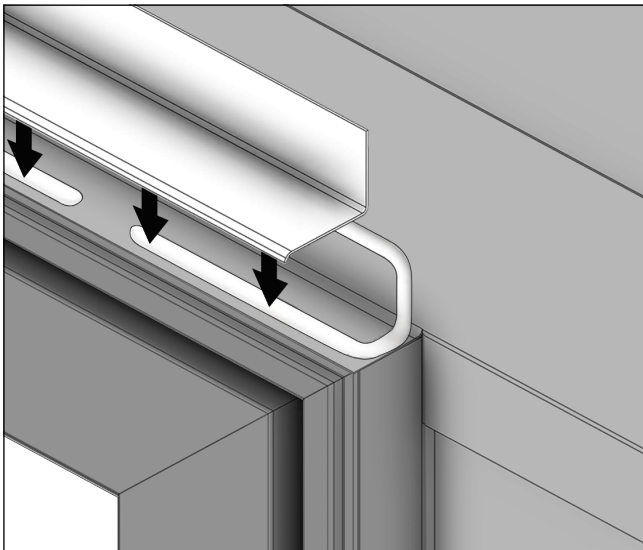


Figure 53

11. Return to the standard installation instructions for installation completion steps.

Additional Gusset Fastening

1. Additional screws are needed at all head jamb and jamb gussets, full or split. DO NOT DRILL THROUGH THE SILL. Remove the covers needed to access the base frame next to any head jamb or jamb gusset. For factory assembled mulls with Direct Glaze Units, the interior mull cover may need to be removed before the screw covers. See [Figure 54](#)

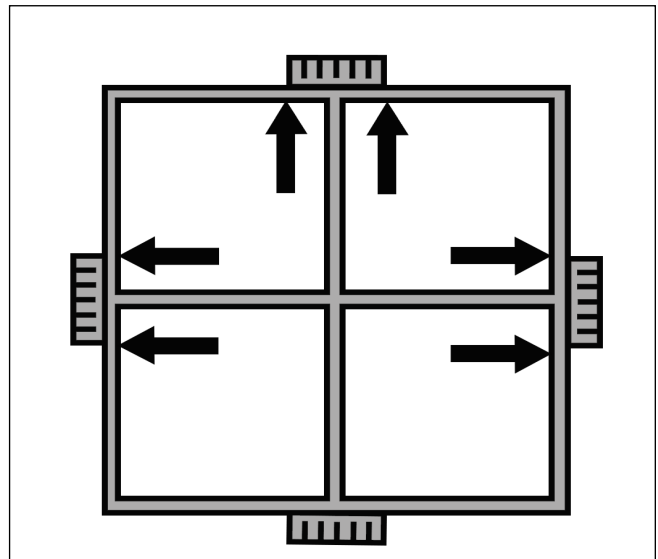


Figure 54

2. Once the interior cover(s) are removed, measure 1/4" off the edges of the gusset. See [Figure 55](#) and [Figure 56](#).

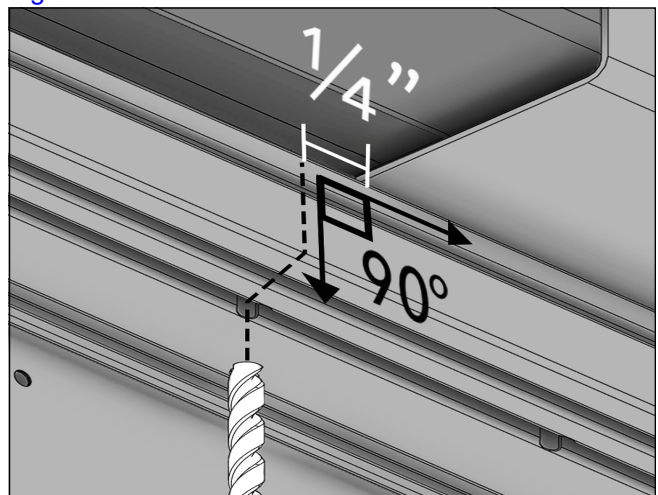


Figure 55 Casement

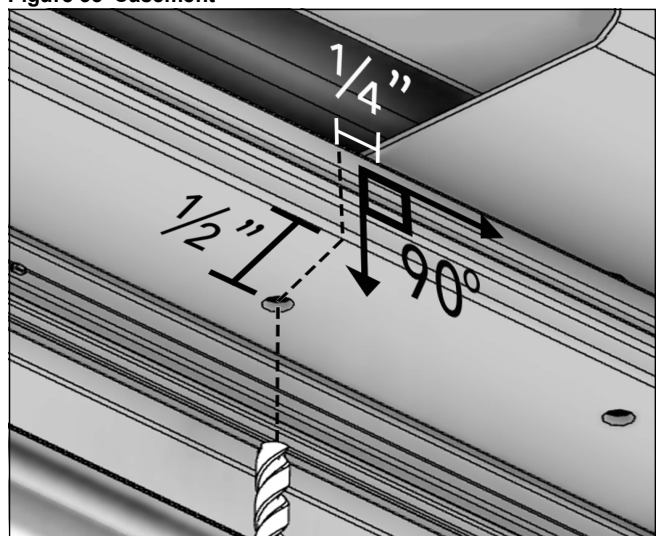


Figure 56 Direct Glaze

3. Casement product hole locations will align with the through jamb holes in the interior kerf. All holes regardless of unit type will align with the existing through jamb holes. Drill the marked locations, drill through the frame with a 3/16" drill bit. Once all holes are drilled, fasten the frame to the RO with the provided #8 x 3" screws using a T20 star bit. Additional shimming may be required. DO NOT OVERTIGHTEN. See [Figure 57](#)

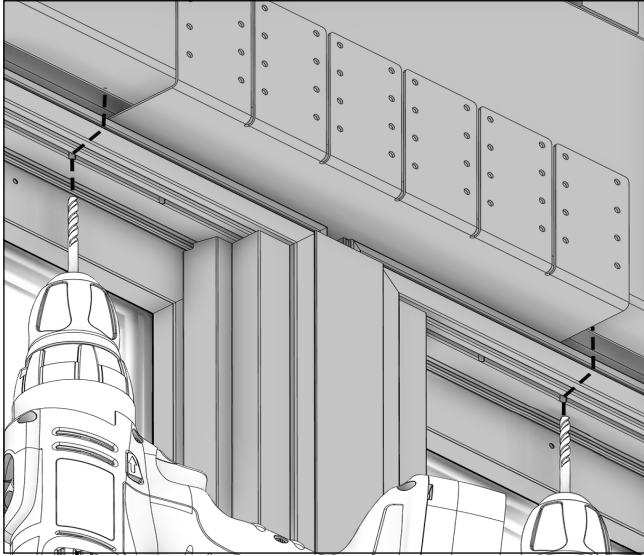


Figure 57 Casement

4. For Direct Glaze product, measure 1/2" off the interior face of the frame. All holes regardless of unit type will align with the existing through jamb holes. Drill the marked locations, drill through the frame with a 3/16" drill bit. Once all holes are drilled, fasten the frame to the RO with the provided #8 x 3" screws using a T20 star bit. Additional shimming may be required. DO NOT OVERTIGHTEN. See [Figure 58](#)

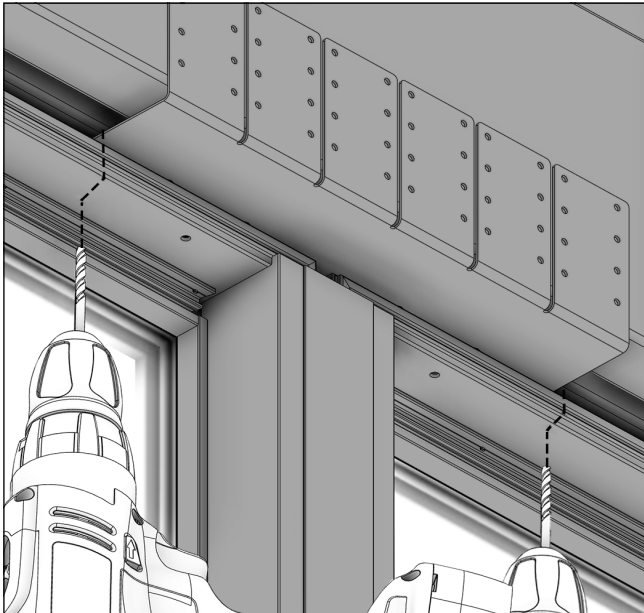


Figure 58 Direct Glaze

1/2" MRF, Prepared for Mull in the RO

1/2" Mull Reinforcement (MRF or space mull) can be delivered factory pre-assembled or prepared for field assembly with option to assemble flat, prior to installation, or in the rough opening (RO).

Job Box Includes:

- Unit Hardware (refer to unit specific instructions)
- Sealant
- Split and/or Full Gussets with screws (Quantity depending on configuration, see diagram included in Job Box)
- Interior Cover(s) and Interior Cover Carrier(s)
- Exterior Cover(s)
- Mull End Plugs (2 per mullion)
- Cross Plugs (Only on multi-wide multi-high units)
- Interlock Fasteners
- Masonry Brackets and screws or Through Jamb Screws (Depending on installation type)

1. Remove shipping straps at all mull joints, if applicable. If using single units, skip to step 4. See [Figure 59](#).

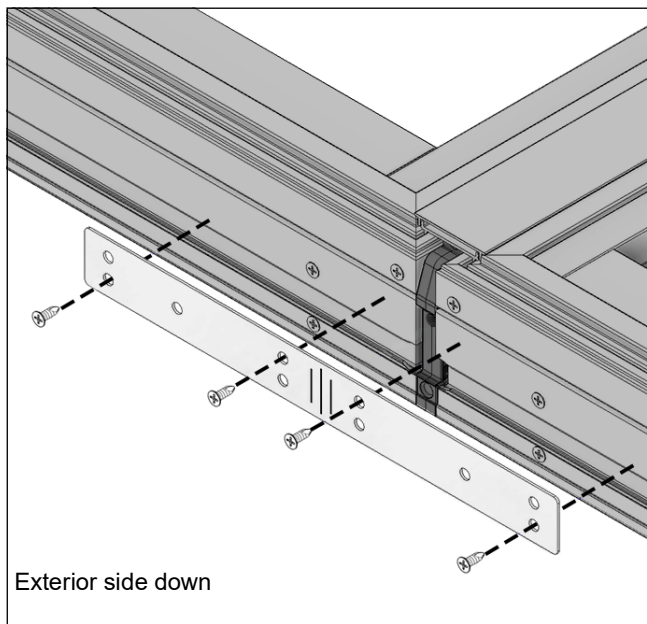


Figure 59 Remove shipping straps

2. Center and align the bottom edge of the full gusset plate with the edge of the T-slot at all factory pre-assembled mull joints. If using a mounting flange, the full gusset plate can rest on flange for alignment. See [Figure 60](#).

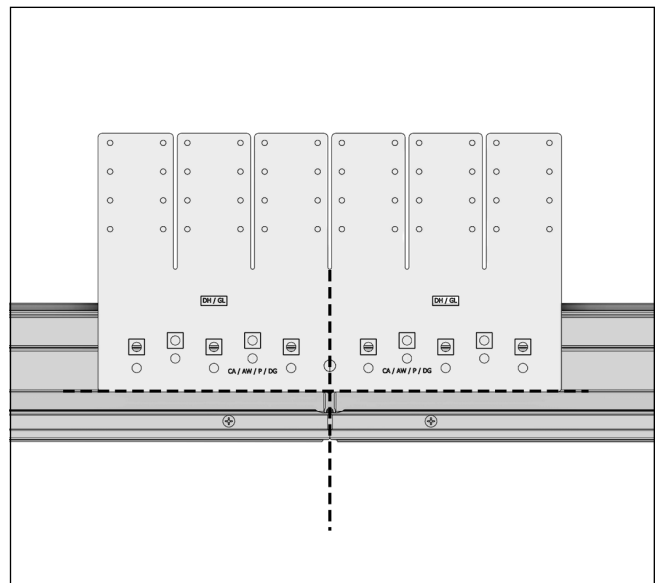


Figure 60

3. Fasten the full gusset with the supplied #7 x 1/2" flathead screws. Do not over-tighten. See [Figure 61](#).

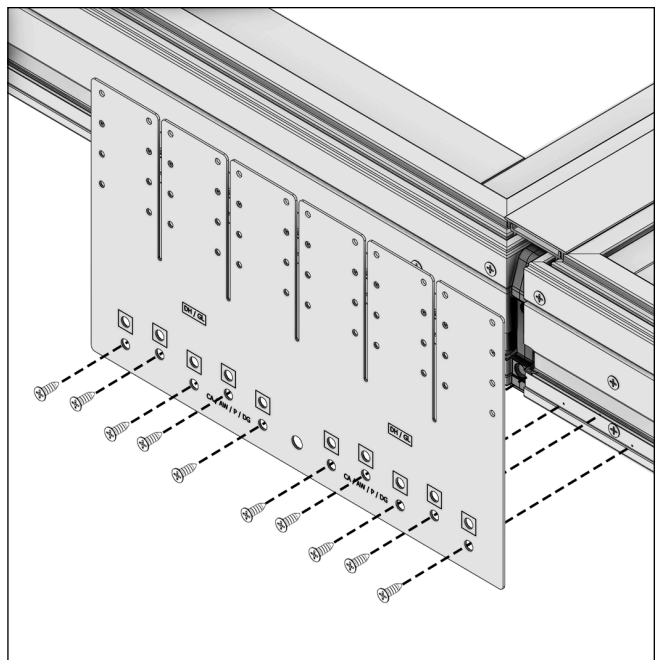


Figure 61 Full gusset installation

4. Install the split gussets by aligning the edge of the gusset to the edge of the frame, from the bottom of gusset to the top edge of T-slot at all factory pre-assembled mull joints. Fasten with the split gusset with the supplied #7 x 1/2" screws. See [Figure 62](#).

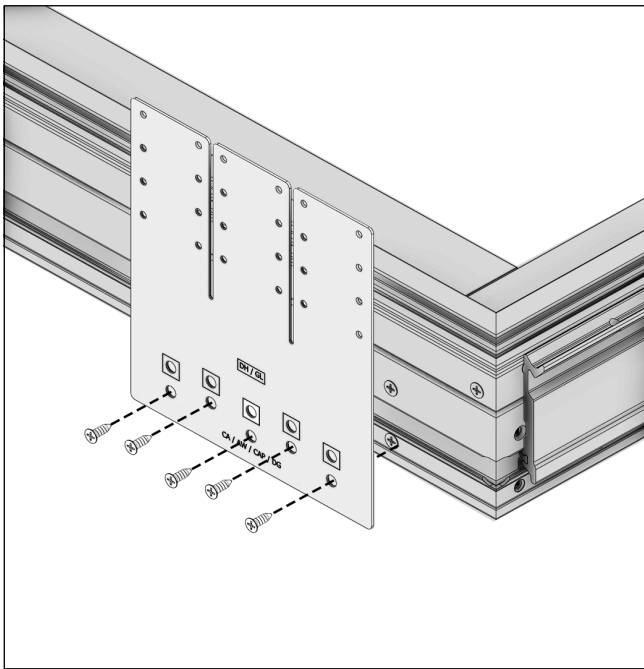


Figure 62 Fasten split gusset



Hint

Bend gusset plates inwards, towards center to reduce chance of interfering with RO during installation. See [Figure 63](#).

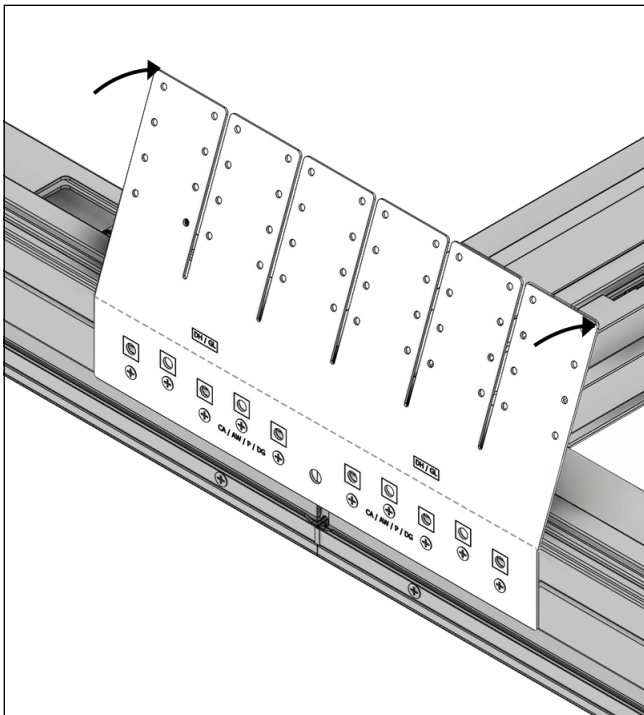


Figure 63 Bend gussets

5. Mounting flange may need to be trimmed to fit assembly. (Through jamb and masonry installation do not require mounting flange.) See [Figure 64](#) and [Figure 65](#).

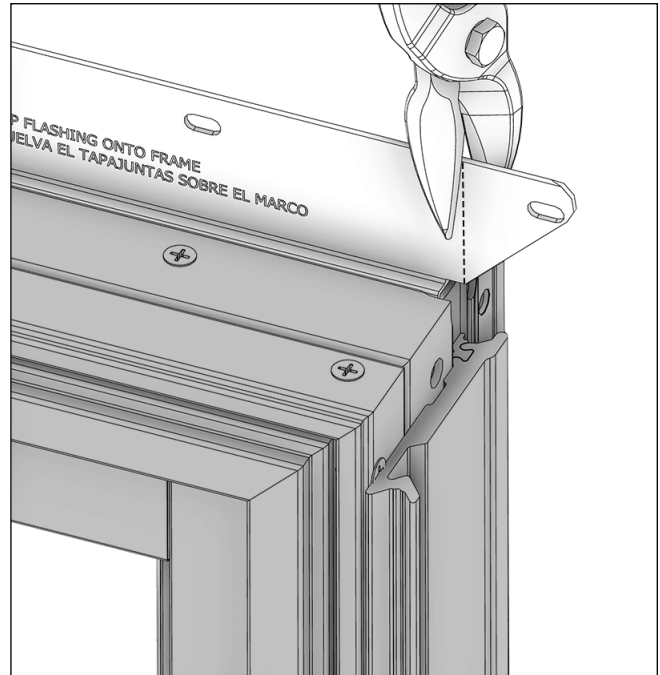


Figure 64 Trim mounting flange

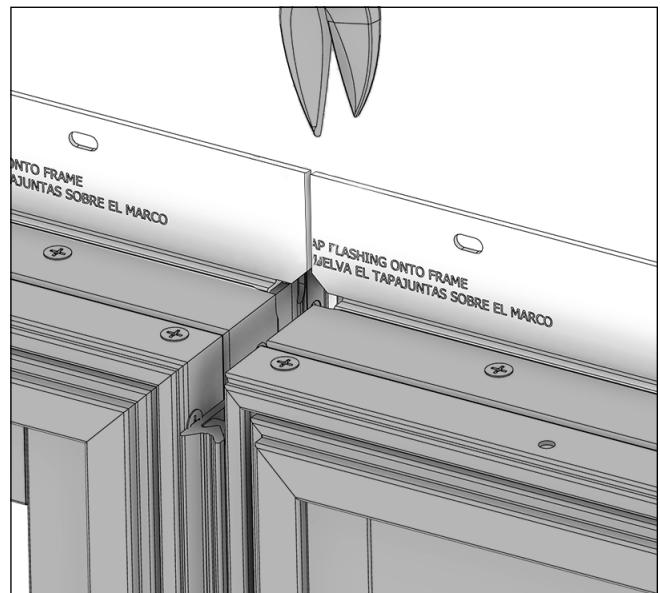


Figure 65 Trim joined mounting flange

6. Refer to **Rough Opening Prep instructions**. Refer to ASTM E2112-07 for other rough opening preparations that are more appropriate for your situation. Using a smartphone or similar device, scan the QR code or click here to view these instructions.



7. Shim unit: 1/16" shims are required to be applied to the sill prior to placing assembly in the RO. Do not shim under gusset plates. Shim spacing is 6" max from corner and 15" max on center. See [Figure 66](#).

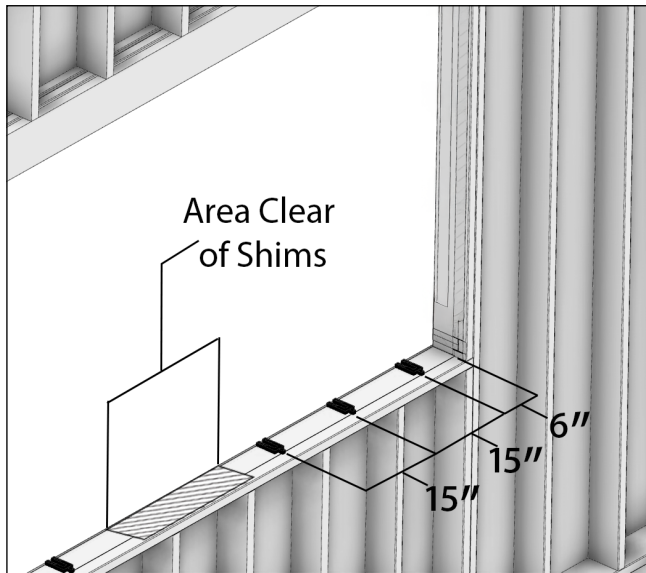


Figure 66 Shim spacing

IMPORTANT

Multi-wide assemblies should be installed left to right on the exterior. Multi-high assemblies should be installed bottom to top.

8. Installer can attach shim stacks to the left side of the RO to create a plumb face to set the first assembly against. This ensures there is room to fit an air wedge in the gap to later center the interlocked mull assembly. See [Figure 67](#).

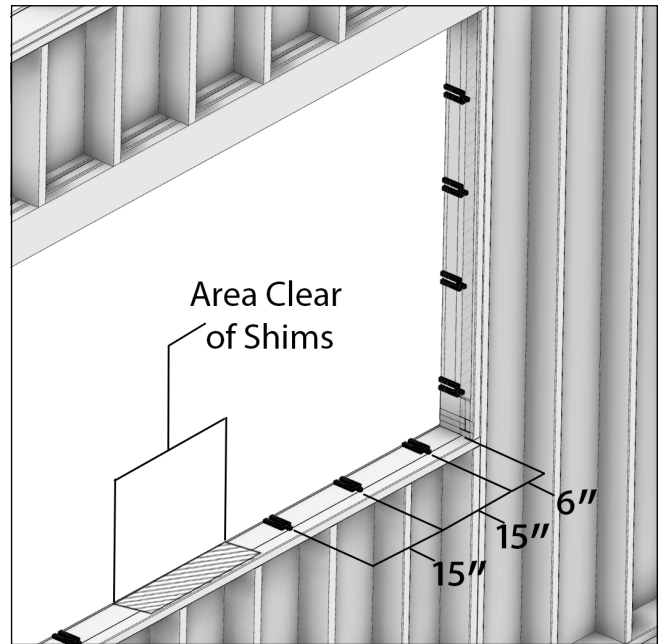


Figure 67 Shim at jambs

9. Tip first far left assembly into the RO against the jamb or shim stacks if used. See [Figure 68](#) and [Figure 69](#).

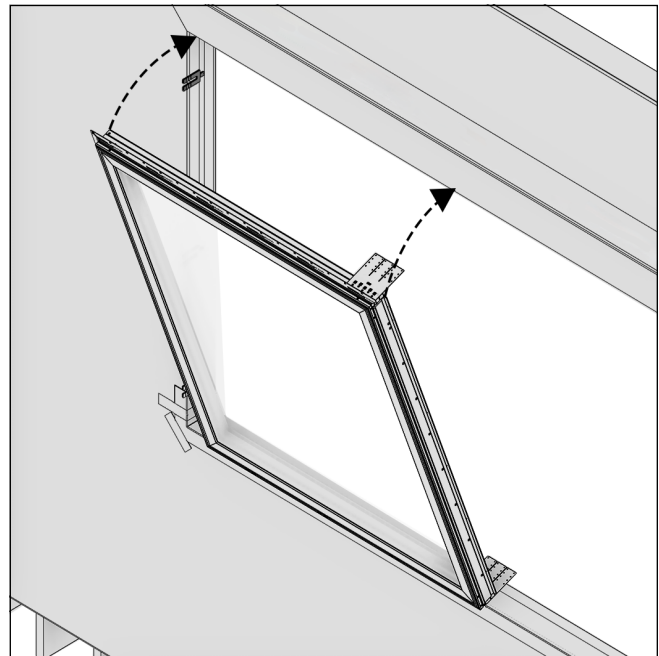


Figure 68 Tip in first assembly (exterior view)

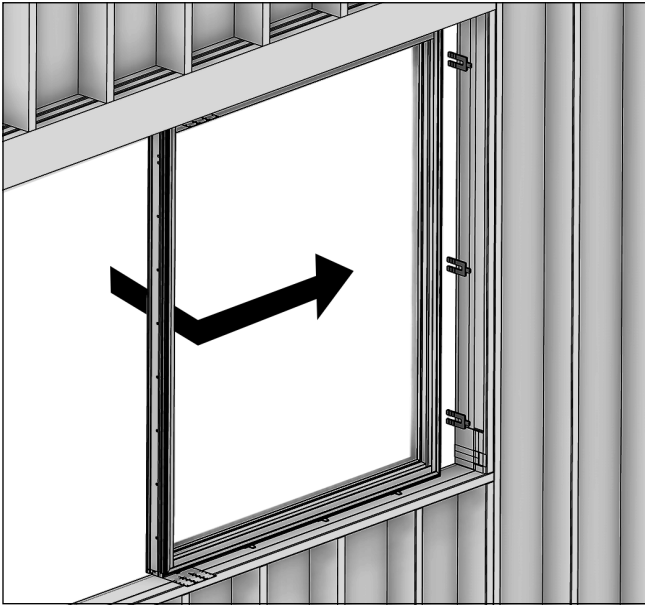


Figure 69 Interior view

10. Tack the top of the window in place with two temporary screws either in the head jamb nail fin (mounting flange installation) or in the head jamb (through jamb installation) itself with provided fasteners with a minimum of two screws. See [Figure 70](#) and [Figure 71](#).

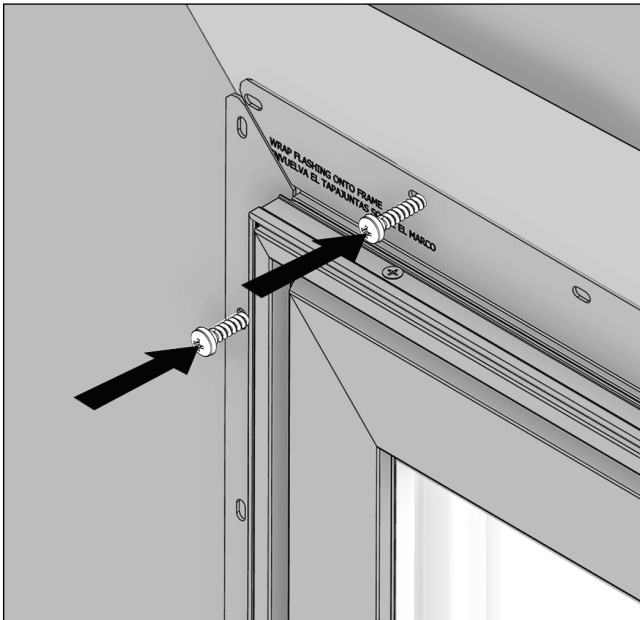


Figure 70 Mounting flange pinning



Figure 71 Through Jamb pinning

11. Ensure window is level, plumb, square and true. See [Figure 72](#) and [Figure 73](#).

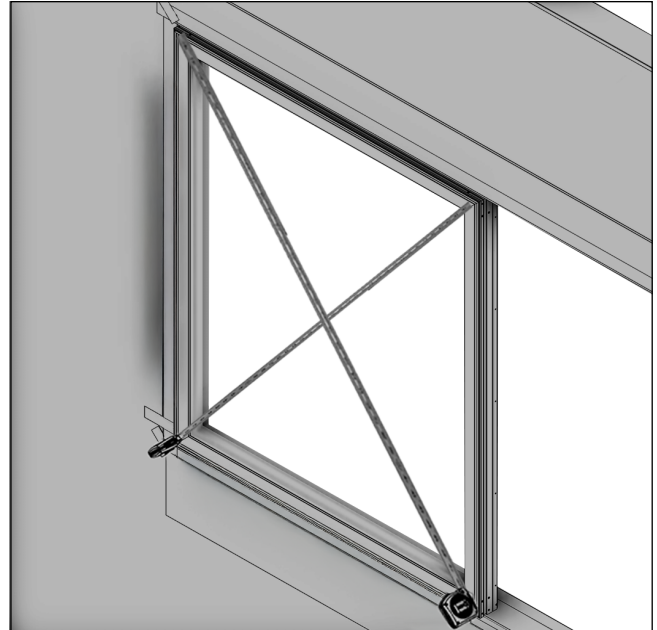


Figure 72

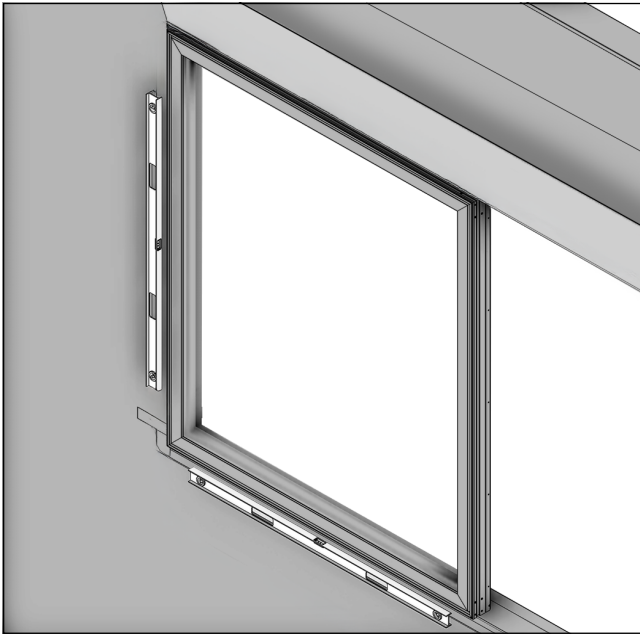


Figure 73 Square and true

12. In this multi-wide x one-high example and working left to right (as viewed from the exterior), tip the second unit into place while verifying that the MRF components slide together and interlock. See [Figure 74](#) and [Figure 75](#).

- In the case of a multi-high stacked assembly (whereby the mull is horizontal) the second unit to be installed is on top of the first unit again verifying that the MRF (horizontal) components slide together and interlock.

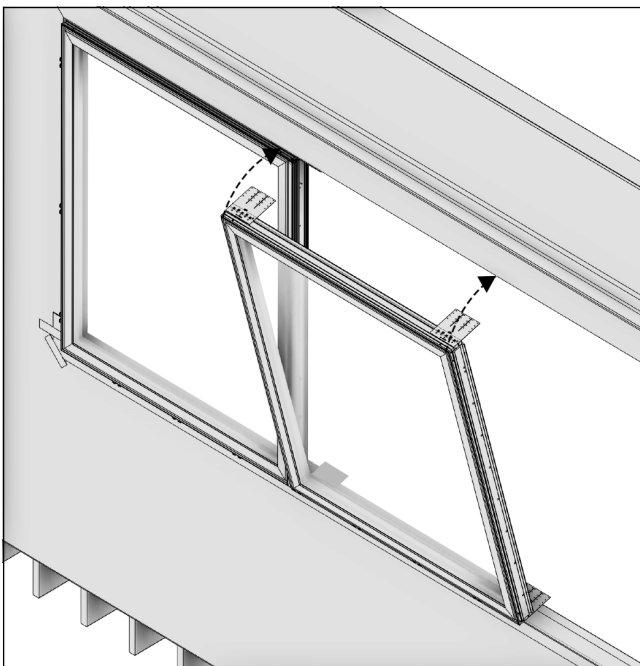


Figure 74 Tip in second assembly

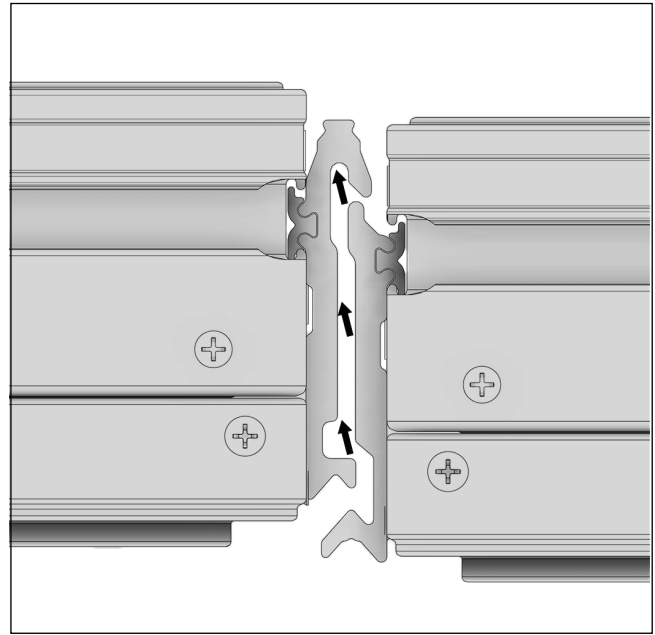


Figure 75 Lock assemblies together

13. Fasten interlock from interior, with TEK2 #8 x 3/4" screws- one screw per every hole. *Do not over tighten.* See [Figure 76](#).

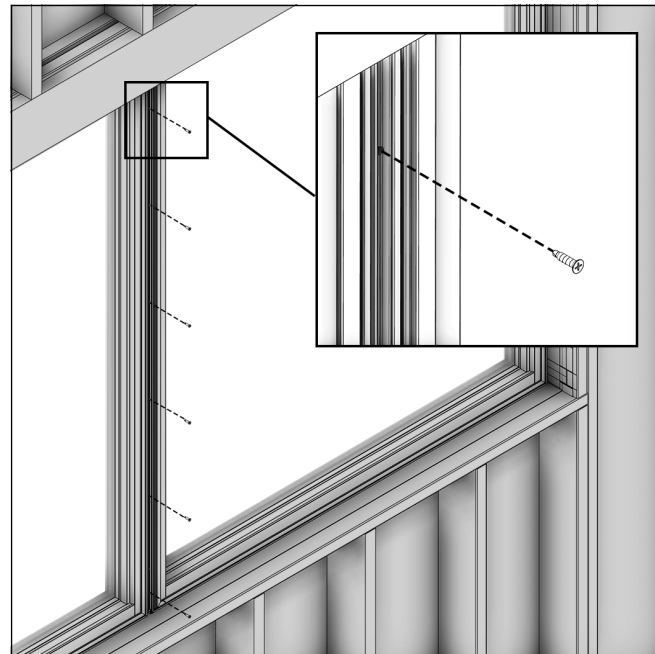


Figure 76 Fasten interlock

14. Ensure window assembly is level, plumb, square and true. For additional segments, repeat the last step until final assembly is installed. Fasten interlock with TEK2 #8 x 3/4" screws. See [Figure 77](#).

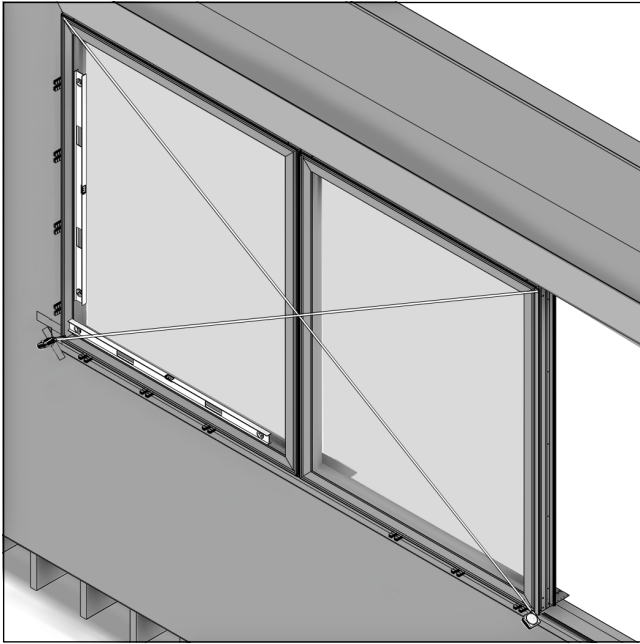


Figure 77 Square and true

15. Install weather strip flush to the MRF with a mallet until seated. See [Figure 78](#) and [Figure 79](#).

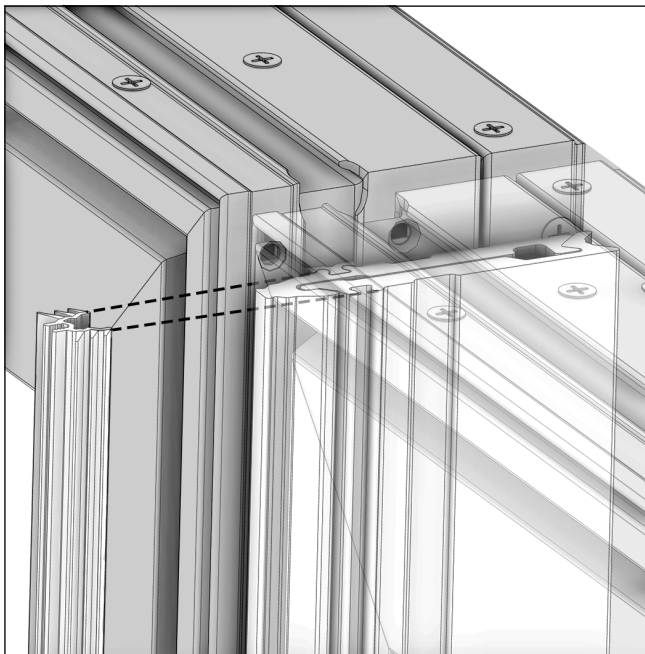


Figure 78

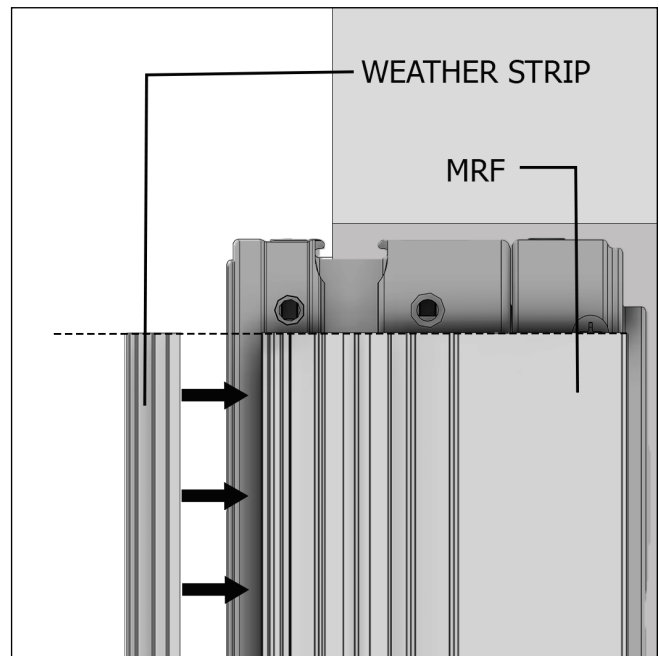


Figure 79

16. Install mull plugs and cross plugs if applicable. See [Figure 80](#) and [Figure 81](#).

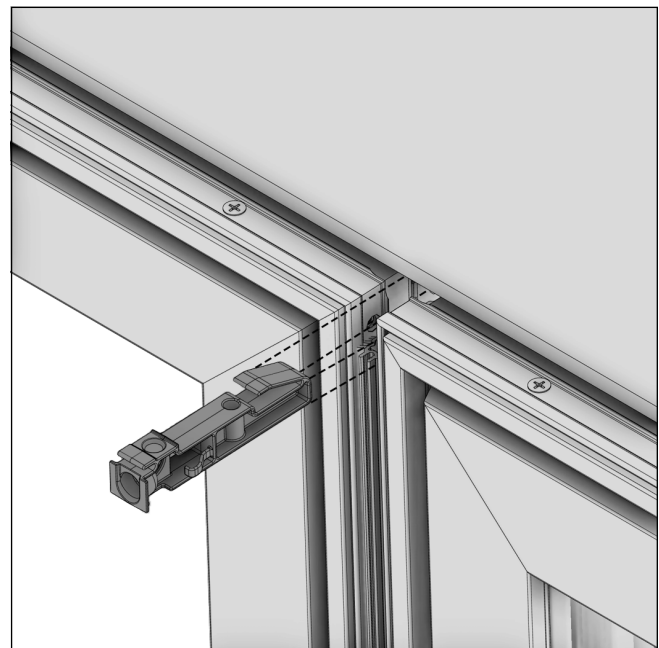


Figure 80 Multi-wide assembly with mull end plug

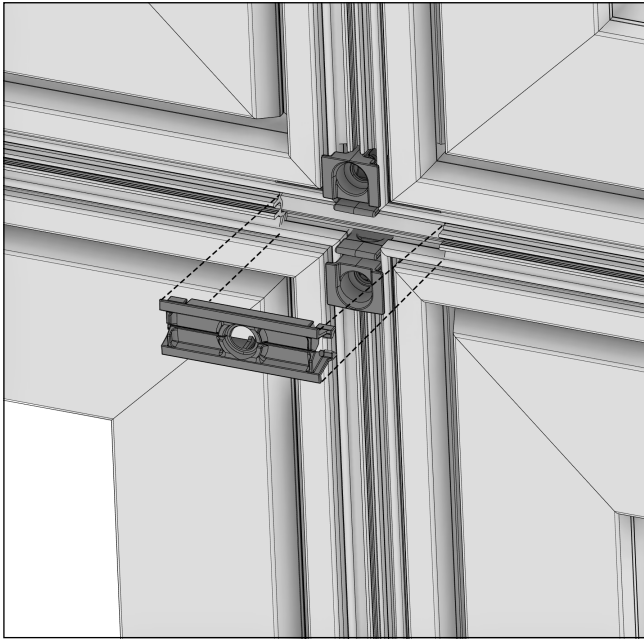


Figure 81 Multi-wide/multi-high assembly with mull cross plug

17. Inject plugs until sealant is seen at locations shown in [Figure 82](#) - [Figure 85](#).

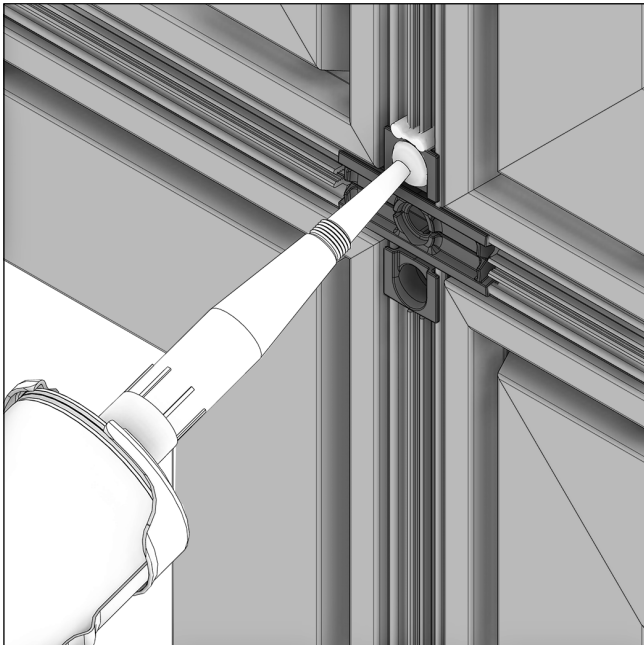


Figure 82 Multi-high multi-wide assemblies

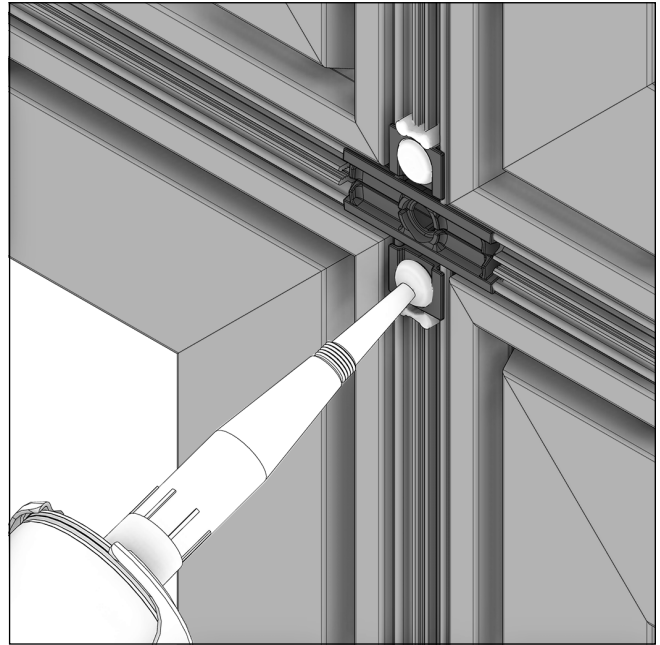


Figure 83 Multi-high multi-wide assemblies

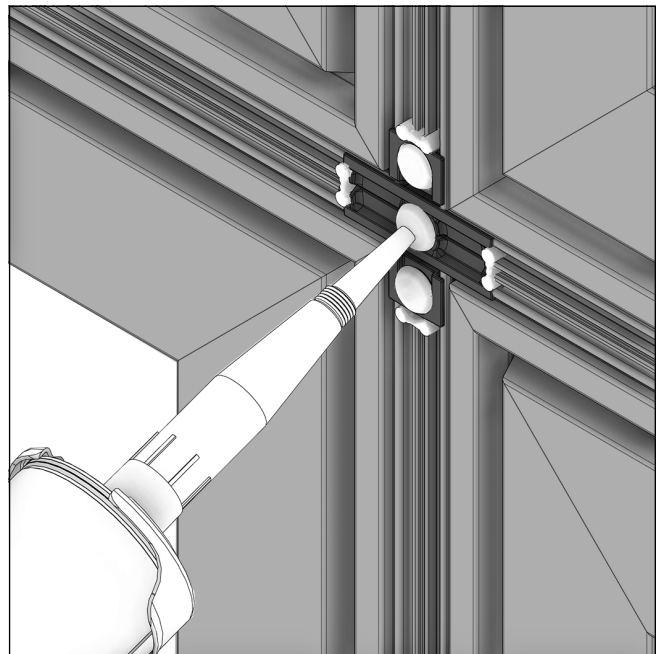


Figure 84 Multi-high multi-wide assemblies

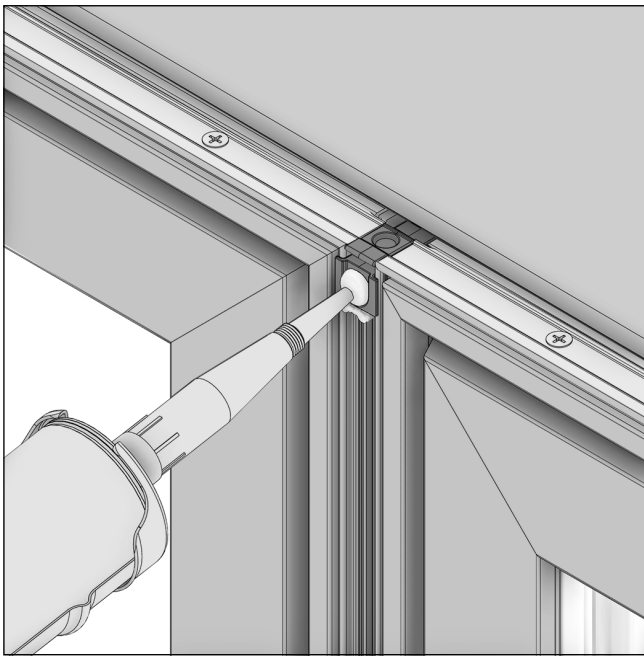


Figure 85 Multi-wide assemblies

18. Align exterior cover to the edge of the accessory kerf and install cover before sealant skins over for best performance. *Tip: work from one end to another, “roll” in, seat with mallet.* If a multi wide multi high mull is installed, install the shorter covers after the continuous covers have been installed (tighter joints). See [Figure 86-Figure 88](#).

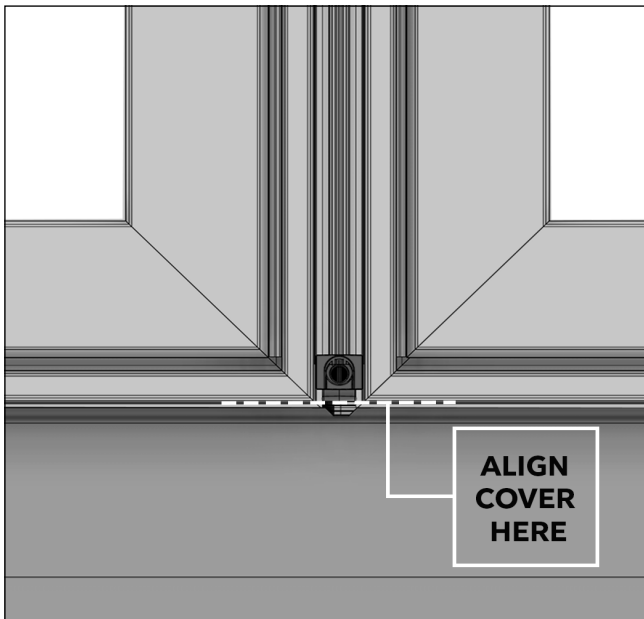


Figure 86 Align exterior cover (MRF)

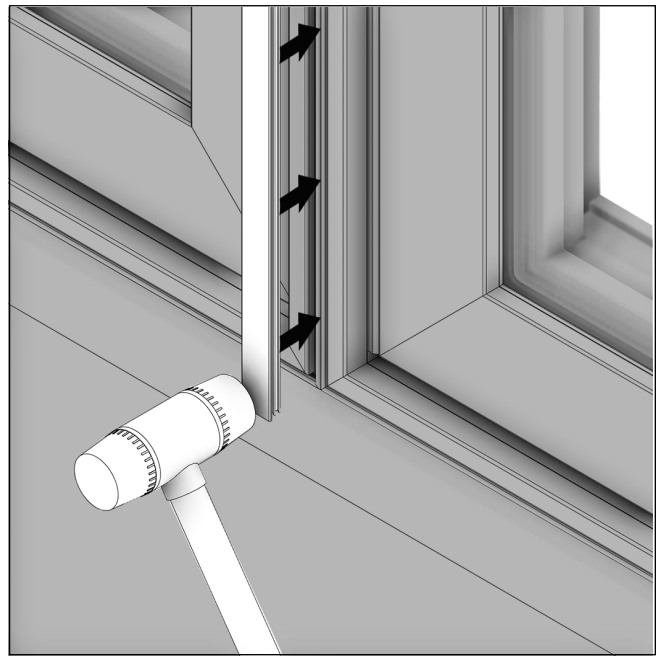


Figure 87 Multi-wide assemblies

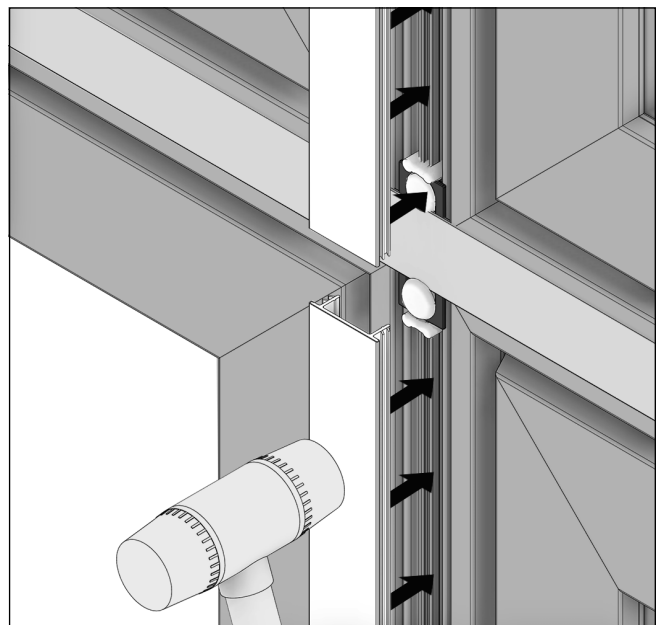


Figure 88

19. Install interior mull cover carriers, seating with a mallet and block if needed. See [Figure 89](#). Install interior covers, same process as exterior, longest first, aligning to edge of drywall return feature.

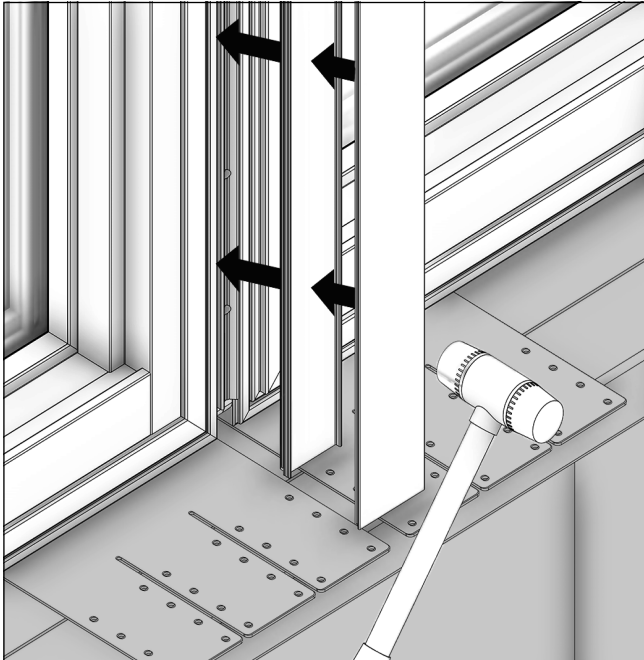


Figure 89

20. Repeat steps for any additional units.

21. For more information on how to install your unit using the **Vivid Window Installation Instruction** included in your job box or using a smartphone or similar device, scan the QR code or click here to view these instructions.



22. Bend gussets against wood framing as shown in [Figure 90](#). Attach the gussets with twelve #8 x 1-5/8" screws. Make sure that the screws are no more than 1/4" from the bend in the bracket (edge of wood buck). Angle the screws approximately 15 degrees toward the thicker part of the framing member. *NOTE: It may be necessary to drill two 5/32" holes in the bracket.*

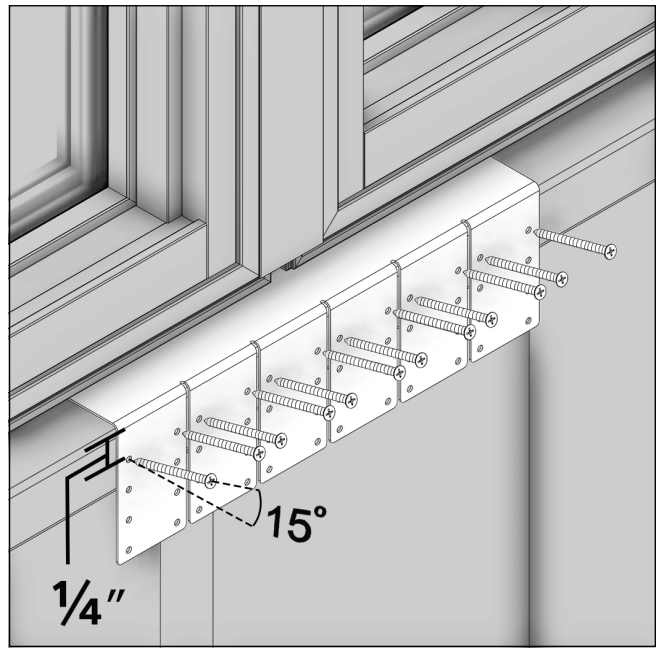


Figure 90

23. Install Rigid Head Jamb flashing. See [Figure 91](#) and [Figure 92](#)

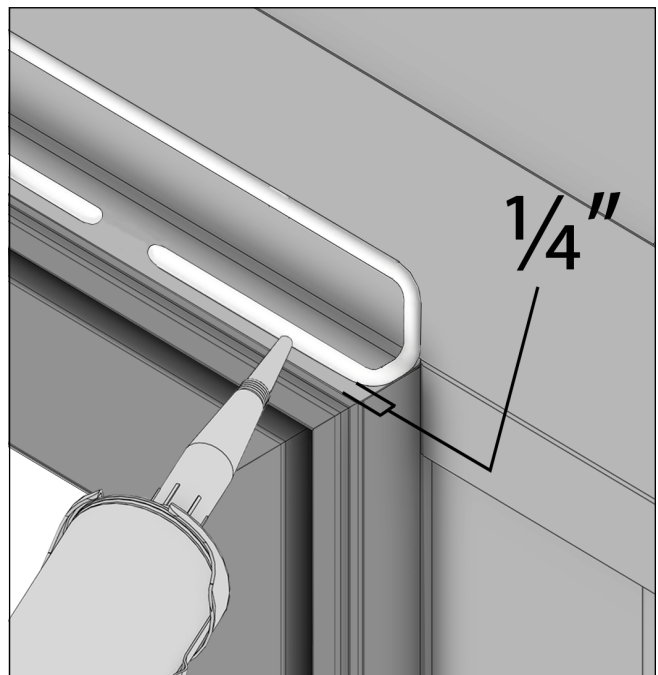


Figure 91

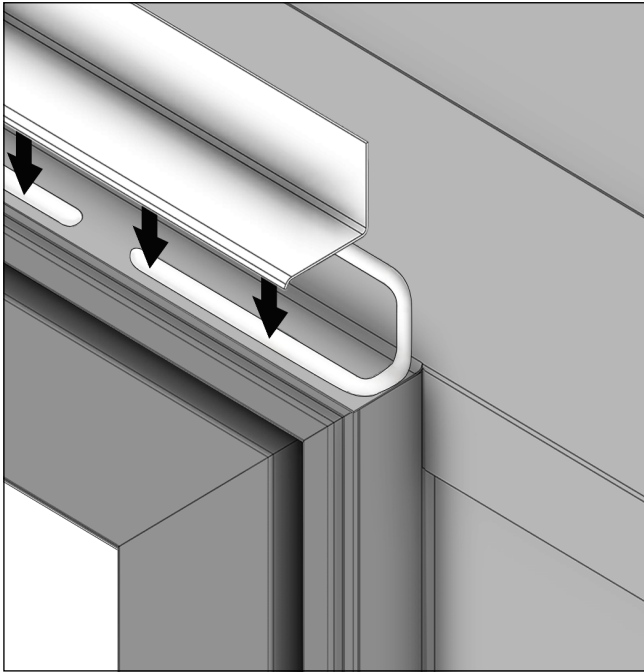


Figure 92

24. Return to the standard installation instructions for installation completion steps.

Additional Gusset Fastening

1. Additional screws are needed at all head jamb and jamb gussets, full or split. **DO NOT DRILL THROUGH THE SILL.** Remove the covers needed to access the base frame next to any head jamb or jamb gusset. For factory assembled mulls with Direct Glaze Units, the interior mull cover may need to be removed before the screw covers. See [Figure 93](#)

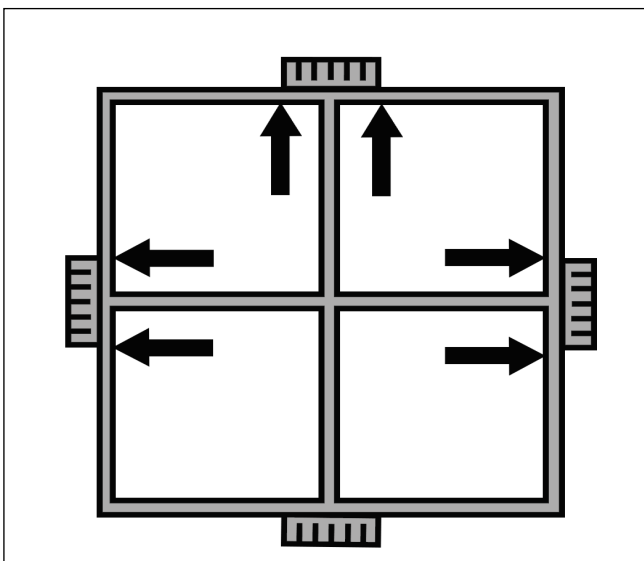


Figure 93

2. Once the interior cover(s) are removed, measure 1/4" off the edges of the gusset. See [Figure 94](#) and [Figure 93](#).

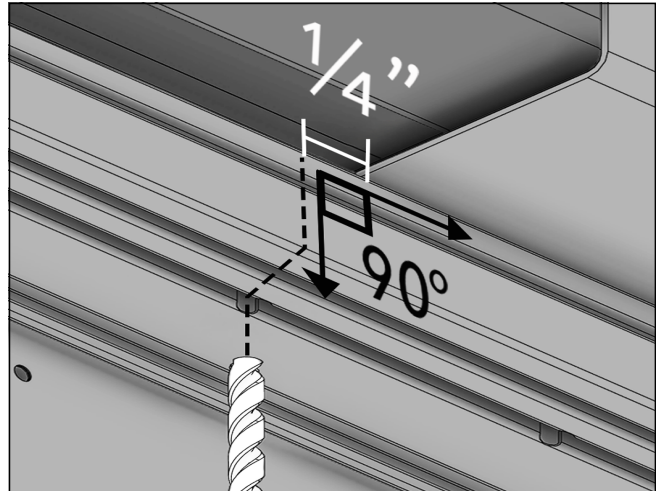


Figure 94 Casement

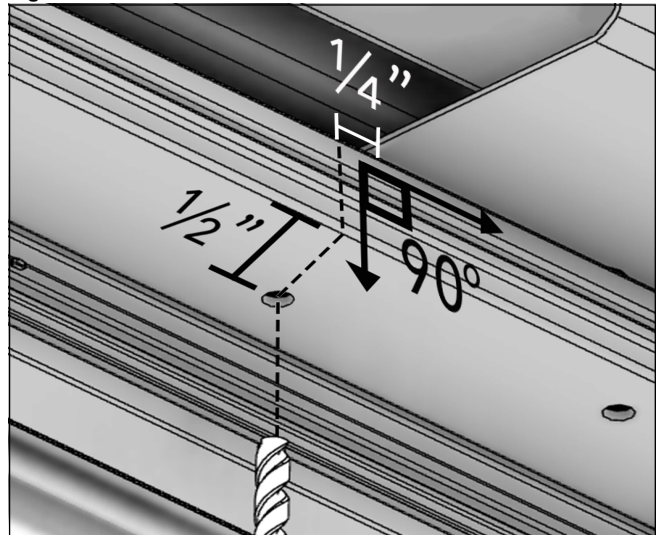


Figure 95 Direct Glaze

3. Casement product hole locations will align with the through jamb holes in the interior kerf. All holes regardless of unit type will align with the existing through jamb holes. Drill the marked locations, drill through the frame with a 3/16" drill bit. Once all holes are drilled, fasten the frame to the RO with the provided #8 x 3" screws using a T20 star bit. Additional shimming may be required. DO NOT OVERTIGHTEN. See [Figure 96](#)

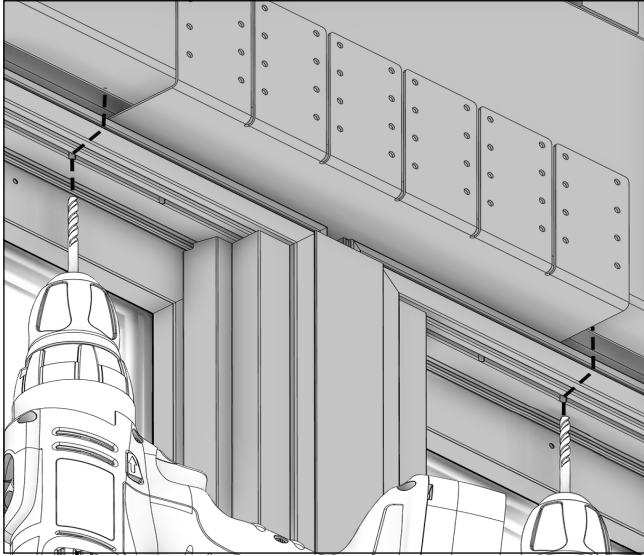


Figure 96 Casement

4. For Direct Glaze product, measure 1/2" off the interior face of the frame. All holes regardless of unit type will align with the existing through jamb holes. Drill the marked locations, drill through the frame with a 3/16" drill bit. Once all holes are drilled, fasten the frame to the RO with the provided #8 x 3" screws using a T20 star bit. Additional shimming may be required. DO NOT OVERTIGHTEN. See [Figure 97](#)

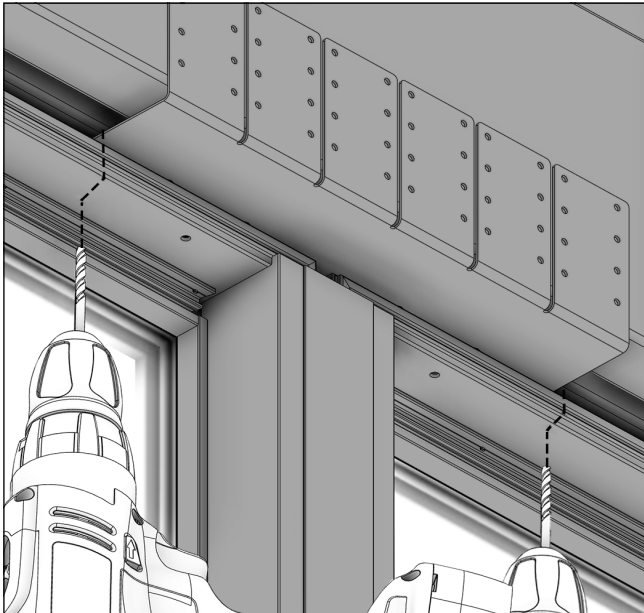


Figure 97 Direct Glaze