PATIO SLIDING DOOR
KNOCK-DOWN FIELD ASSEMBLY

Addendum Guide

IMPORTANT NOTICES & INFORMATION

The building envelope must be correctly prepared with weather resistant barriers – that meet local and state codes. All frame and sill surfaces must be correctly prepared for air, water, and structural integrity by the builder or contractor before attempting installation. In order to meet warranty requirements, all systems are required to be installed by a certified installer.

- Read these instructions in their entirety prior to installing windows. Contact Loewen at 1.800.563.9367 for clarification.

- Loewen is not responsible for site measurements nor the structural and architectural requirements for the installation.

- Building design, construction methods, building materials and site conditions unique to your project may require methods different from these instructions.

- Choosing the appropriate method is the responsibility of you, your architect, or your construction professional.

- Confirm with sealant/foam/barrier manufacturers that all materials used are compatible with one another.

- Remove shipping blocks and related staples prior to installation.

- All drawings are shown not to scale.

- To ensure accuracy, make sure you have the latest approved shop drawings and assembly and installation guides.

- Any local, regional or national building code requirements supersede these instructions.

- Safety is top priority for Loewen. Use proper work procedures and protective equipment.

Notes on Building Envelopes

Improper design and/or non-conforming application of building envelope materials has been demonstrated to cause premature building envelope failure. Even with premium materials, shortcuts and errors in the final installation can impact budgets, time frames, building life span, and increase legal liabilities.

As one of the elements that bisect the interior/exterior plane, window and door integrations are a critical element of the building envelope as a whole. Poor installations can carry significant liability, due to building envelope failure.
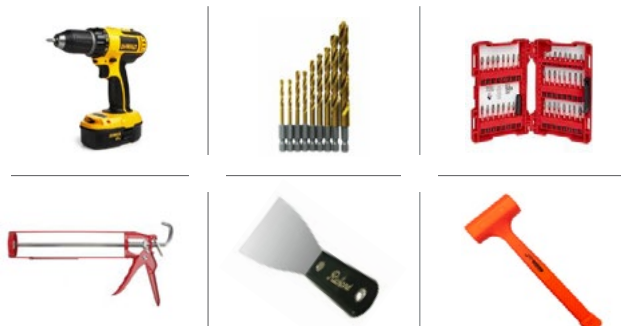
PATIO SLIDING DOOR KNOCK-DOWN FIELD ASSEMBLY GUIDE ADDENDUM

Material Required

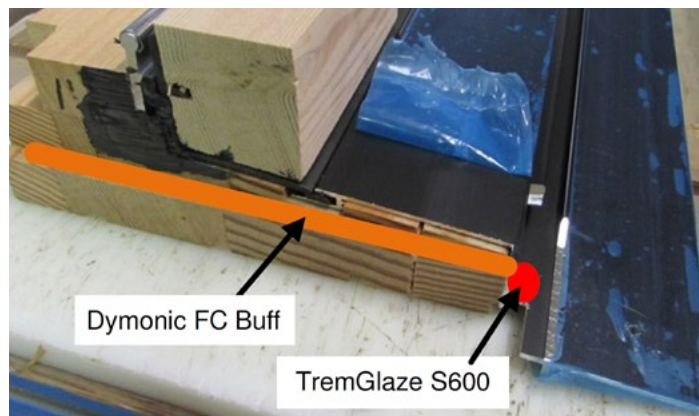| Quantity	Part Number	Description
2 per fixed panel	297837A	Sealant - Dymonic FC Buff
1	70006A	Sealant - TremGlaze S600
2	49819A	Sealant - Bostik Pro MS50
2	44903KEYALA	Corner key for 116mm frame
2	49501A	Corner key for 166mm frame
2	444518MMA	White foam track gasket
46	316139A	#8 x 2 1/2"
4	70201A	#6 x 1 1/2" screw
2	70200A	#6 x 3/4" screw
1 per 6"	308723A	#8x 1/2" screw (nailing flange through metal)
1 per 6"	71461A	#8 x 5/8 screw (nailing flange through wood)
2	49808BLKA	Foam jamb block
1	714559A	Masking tape
2	N/A	Drain caps
2	264938A	Interior fixed panel molding 2400mm (8')
1 per fixed panel	44417SILL3950A	Sill trough cover

Tools Required

- Drill
- Drill bits
- Driver bits
- Sealant Gun
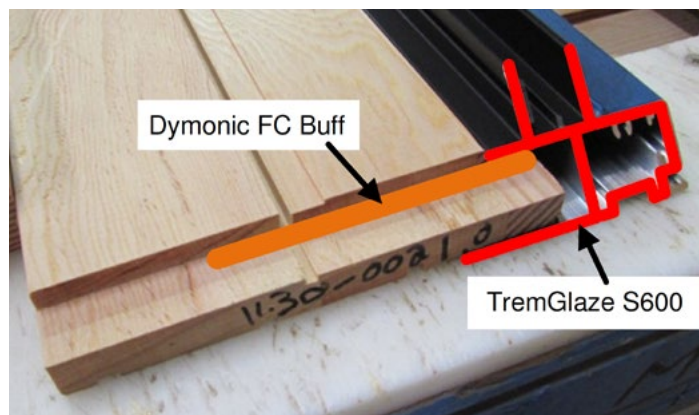- Putty Knife
- Dead Blow Hammer

FRAME ASSEMBLY

1. Sill Sealant Application

a.   Apply a continuous 5mm bead of Dymonic FC Buff (#297837) on sill end tenon as shown.

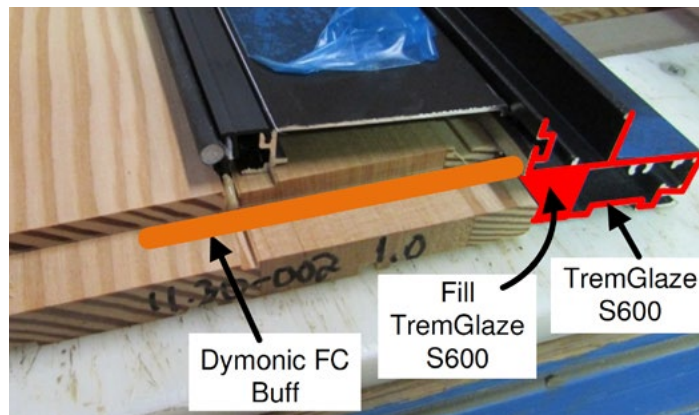b.   Apply a ½" dab of TremGlaze S600 clear sealant as shown.

2. Jamb Head Sealant Application

a.   Apply a continuous 5mm bead of Dymonic FC Buff on jamb tenon as shown, where jamb and head will mate.

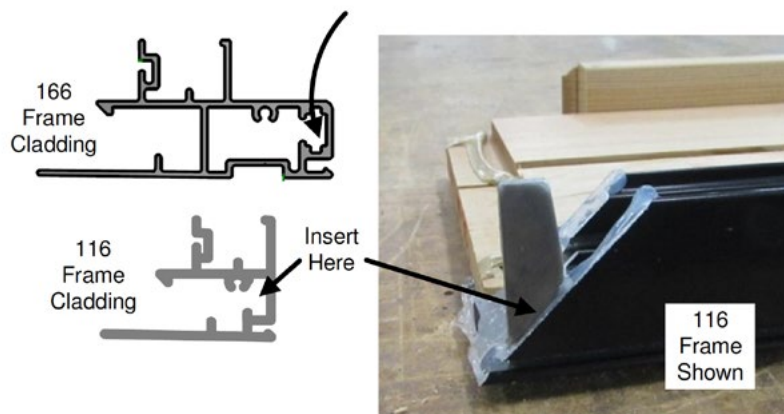b.   Apply a continuous 4mm bead of TremGlaze S600 clear on profile edge of frame cladding as shown.

3. Jamb Bottom Sealant Application

a. Apply a continuous 5mm bead of Dymonic FC Buff on jamb tenon as shown, where jamb and sill will mate.

b. Fully fill 50mm (2") deep into end of frame cladding with TremGlaze S600 clear sealant and apply a continuous 4mm (1/8") bead on profile edge as shown.
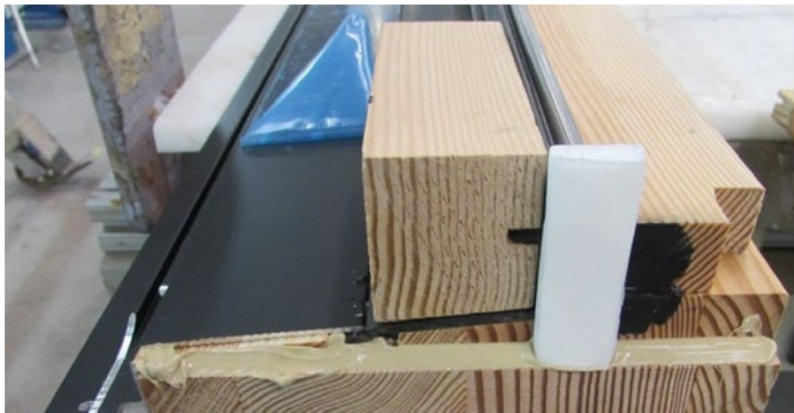
c. Repeat with opposite jamb.

4. Corner Key and Gasket Application

a. Insert corner key into top end of jamb frame cladding.
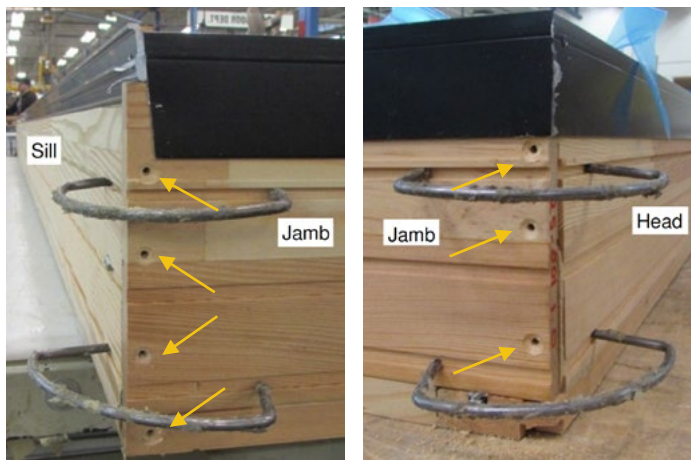
b. Repeat with opposite jamb.

c. Apply white foam gasket (#444517MMA) onto end of sill track.
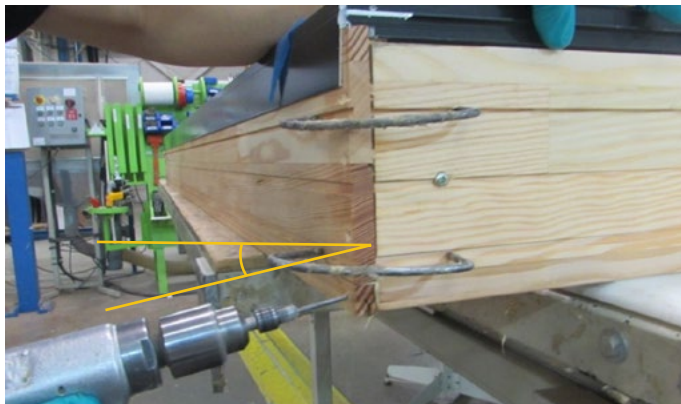
d. Repeat on opposite end of sill.

5. Frame Corner Assembly

a.   Bring frame parts together. Hold together using corner clamps.

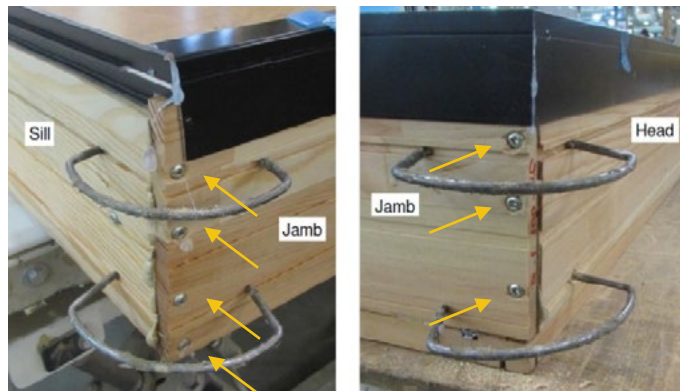b.   Pre-drill 3 - 3/32" countersunk holes, 2 ½" deep, through jamb into head/sill at each corner.
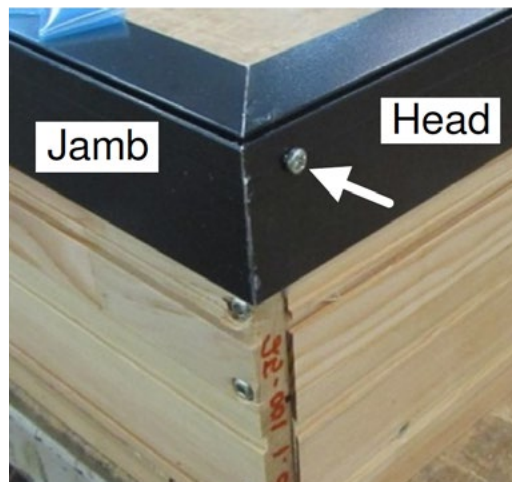   **Note:** Locate holes 9mm from ends of jamb.

c.   Pre-drill 3/32" countersunk hole, 1 ½" deep, through interior side stop into sill.
     Note: Pre-drill at an angle as shown
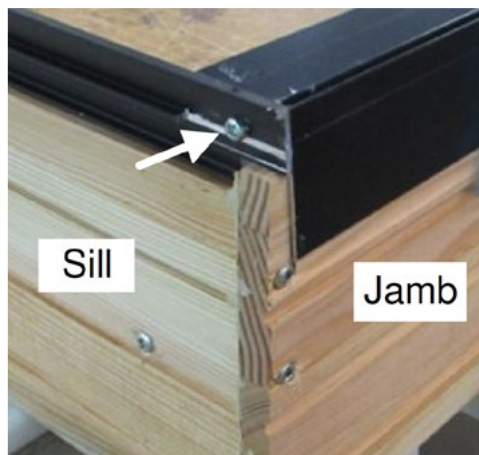
d.   Repeat with opposite side stop.

e.   Pre-drill and secure frame corners with #8 x 2 ½" deep screws (#316139).

f.   Fasten interior side stop to sill with #6 x 1 ½" screw (#70201).

g.   Repeat with opposite side stop.

h.   Secure head cladding to jamb cladding with #6 x 1 ½" screw (#70201).
     Note: Ensure there is ooze out along entire corner joint seam.

i.   Repeat step with entire corner joint seam.

j.   Secure sill cladding to jamb cladding with #6 x ¾" screw (#70200).

k.   Repeat with opposite sill/jamb joint.

l.   Clean excess sealant.

m. Attach foam block (#49808BLK) onto lock side jamb.
      Note: Step m. applies to 2 wide or 3 wide units only.

6. Fixed Panel Installation Prep

a.   Apply a continuous 6mm (1/4") bead of Dymonic FC Buff (#297837) onto head as shown.

b.   Continue with a 6mm (1/4") from head onto jamb.

c.   Continue with 6mm bead from jamb onto sill. Ensure jamb and sill bead touch.

Note: Ensure head and jamb bead touch

d.   Continue bead across sill to blocks, as shown.

Apply an additional 6mm bead at bumper blocks as shown.

7. Fixed Panel Installation

a. Lay the fixed panel into frame beginning with top end against head extension and lowering
    bottom end onto sill blocks.
    Note: Keep panel as close to jamb as possible without rubbing the jamb cladding

b. Slide panel against jamb.

c. Ensure panel is tight to jamb and tight to frame cladding lip, clamp as required.

d. Pre-drill 7/64" holes through frame into panel along top, side and bottom. Pre-drilling 150mm from each corner and evenly spaced every 400mm.
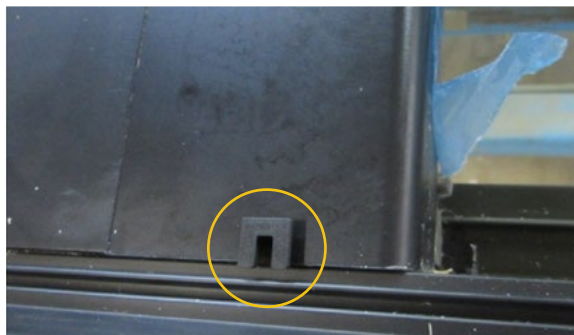

e. Secure fixed panel in frame with #8 x 2 ½" screws (#316139) in each hole.
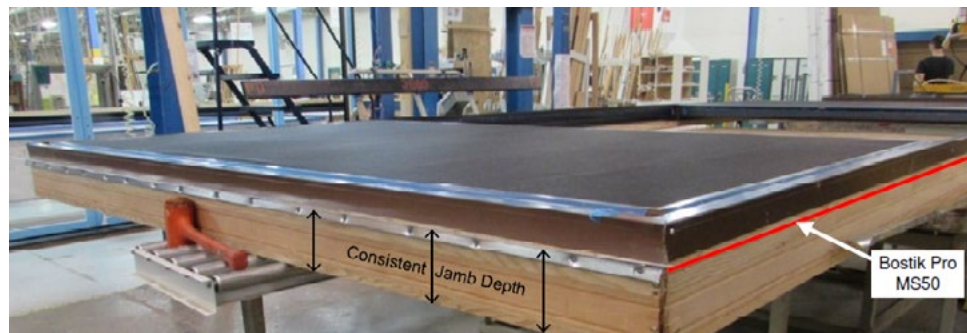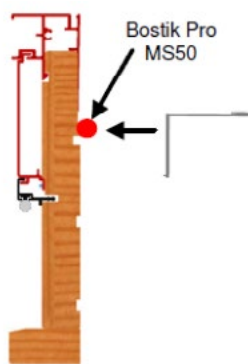   **Note:** Begin inserting screws along side first, then head, then sill.

f. Insert drain cap into fixed panel drain hole as circled
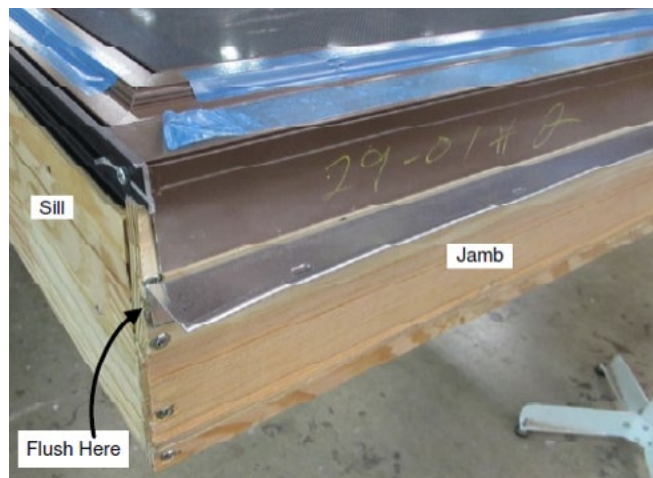
8. Galvanized Nailing Flange Application

a. Apply a continuous 5mm bead of Bostik Pro MS50 sealant (#49819) along jambs and head where the flange will be attached, between frame and flange.

b. Secure side flange to jamb, placing screws 25mm from each end and through each pre-punched hole
    i.   If screws go through frame cladding then use #8 x ½" screws (#308723A).
    ii.   If screws go into frame wood only then use #6 x 5/8" screws (#71461A).
    iii.   Note: Ensure flange is consistently tight against the unit on all sides.

c.   If flange is too long, cut bottom end flush with bottom of unit.
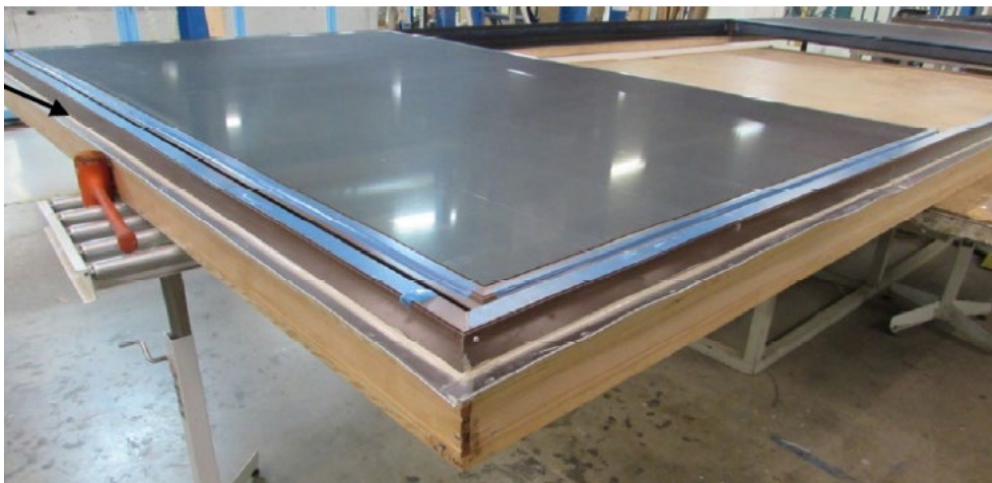
d.   Repeat step b and c with opposite side flange.

e.   Apply a 5mm bead of Bostik Pro MS50 sealant (#49819) in X pattern on side flange, as shown below, where head flange will overlap.

f. Secure head flange to head ensuring ends lap over side flange ends, compressing the sealant applied in step e.

g. Apply a continuous 5mm bead of Bostik Pro MS50 along exterior where flange and frame meet.
    Note: Ensure there are no voids in the sealant between flange and frame.

h. Clean excess sealant at overlap.

9. Fixed Panel Interior Moulding Installation

a. Apply a 3mm bead of Dymonic FC Buff sealant (#297837) along interior joint between fixed panel and jamb.

b. Fasten interior moulding to jamb with 1 ¼" light finishing or pin nails, spaced 150mm (6") apart. (Not included).

10. Sill Trough Cover Installation

a. Slip end of sill trough cover under bumper

Note: Observe end with notch out. Notch out must be at dust blocks and against the panel.

b. Bow sill trough cover and place notched end against dust block

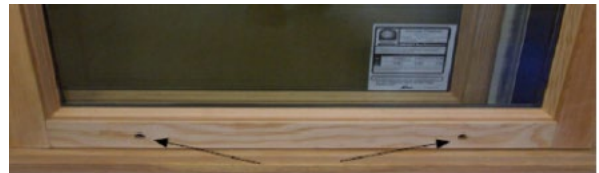c. Allow sill trough cover to drop into place.

11. Operating Panel Installation

a.   Guide top of panel into head track directly behind fixed panel, then rest bottom rollers onto sill track.
     Note: Ensure rollers are riding on metal track, not vinyl track

b.   Adjust panel rollers, as required, for easy rolling.

c.   Assembly complete

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