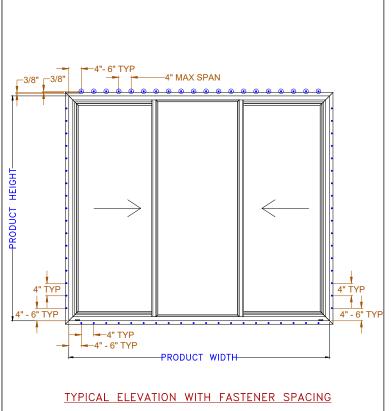
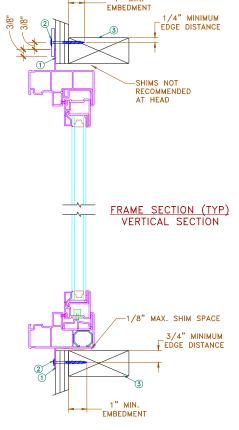


	CLASS/DP	IMPACT
108" x 66"	LC/30	NO





MICAH SWARTZ,

Installation Notes:

- Seal flange/frame to substrate. Sill shall be set on a continuous serpentine bead of structural grade silicone/caulk.
- 2. Head fastener size is minimum #8 pan head / truss head and must be fastened, beginning 4" 6" from welded corners, then every 4" O.C. using fender washers lapped over nailing flange a minimum of 3/8", leaving a minimum of 3/8" gap between shaft of fastener and edge of nailing flange. Jamb and Sill fastener size is minimum #8 pan head / truss head and must be fastened, beginning 4"-6" from welded corners, then every hole and must penetrate structural framing a minimum of 1" in depth. (For 2X wood frame substrate, MIN S.G. = 0.42)
- 3. Structural framing (wood buck, stud framing and opening) to be designed and anchored to properly transfer all loads to structure. The host structure is the responsibility of the architect or engineer of the record for the project of installation

This schedule addresses only the fasteners required to anchor the unit to achieve the rated design pressure and impact performance (where applicable) up to the size limitations noted. It is not intended as a guide to the installation process and does not address the sealing consideration that may arise in different wall conditions. For the complete installation procedure, see the instructions packaged with the unit or go to www.jeld-wen.com.

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 Florida Building Code (FBC) and the industry requirement for the stated conditions.
- All glazing shall conform to ASTM E1300.
- 3. At minimum, glazing shall be 3mm annealed 13mm airspace 3mm annealed glass.
- 4. Use structural or composite shims where required.

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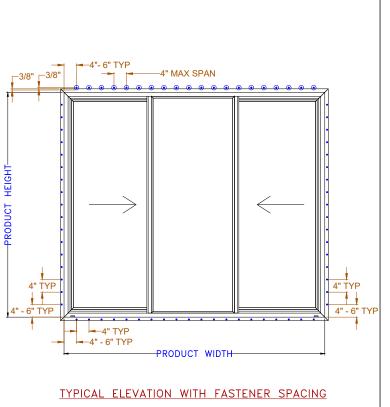


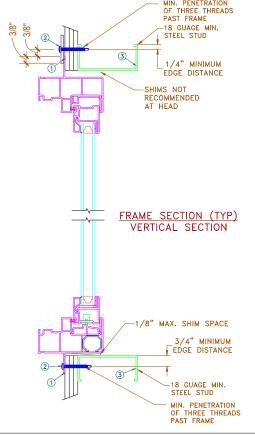
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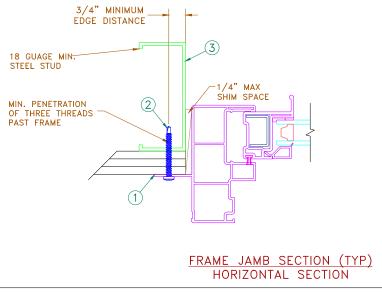
SHEET

NAILFIN / SCREW - WOOD INSTALLATION









MAXIMUM FRAME	CLASS/I	OP IMPACT
108" x 66"	LC/30	NO

- Seal flange/frame to substrate. Sill shall be set on a continuous serpentine bead of structural grade silicone/caulk.
- Head fastener size is minimum #10 TEK Screw and must be fastened, beginning 4" 6" from welded corners, then every 4" O.C. using fender washers lapped over nailing flange a minimum of 3/8", leaving a minimum of 3/8" gap between shaft of fastener and edge of nailing flange. Jamb and Sill fastener size is minimum #10 TEK Screw and must be fastened, beginning 4"-6" from welded corners, then every hole and must penetrate structural framing a minimum of 3 threads past framing MIN Fy = 33 KSI.
- Structural framing (wood buck, stud framing and opening) to be designed and anchored to properly transfer all loads to structure. The host structure is the responsibility of the architect or engineer of the record for the project of installation

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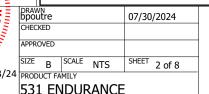
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- At minimum, glazing shall be 3mm annealed 13mm airspace 3mm annealed glass.
- Use structural or composite shims where required.

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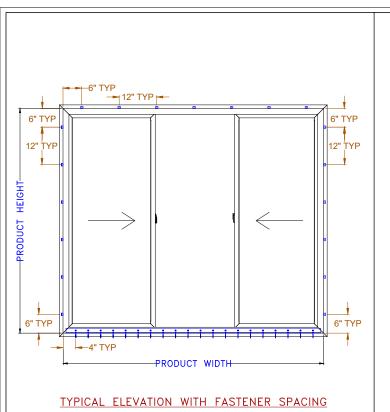


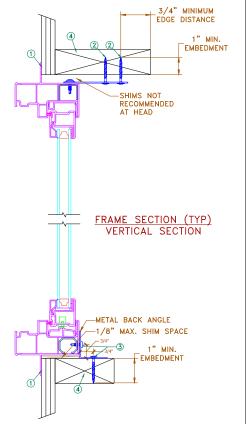
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1-2

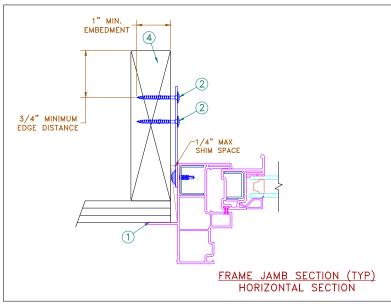


NAILFIN / SCREW - STEEL INSTALLATION









1 V 6 6 \ U b	IMPACT
LA33/ DI	IMPACI
LC/30	NO
	LC/30

- Seal flange/frame to substrate. Sill shall be set on a continuous serpentine bead of structural grade silicone/caulk.
- 2. Head and Jamb must be fastened through anchor strap using (QTY 2) #10 Fasteners with sufficient length to penetrate a Min. 1" into wood substrate. (For 2x wood frame substrate, Min. S.G. = 0.42).
- 3. Sill fastener size @ back angle to wood framing is #8 @ 4" O.C. Fastener size for sill @ back angle to window is 10-16 TEK Screw @ 4" O.C.
- 4. Structural framing (wood buck, stud framing and opening) to be designed and anchored to properly transfer all loads to structure. The host structure is the responsibility of the architect or engineer of the record for the project of installation

This schedule addresses only the fasteners required to anchor the unit to achieve the rated design pressure and impact performance (where applicable) up to the size limitations noted. It is not intended as a guide to the installation process and does not address the sealing consideration that may arise in different wall conditions. For the complete installation procedure, see the instructions packaged with the unit or go to www.jeld-wen.com.

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 Florida Building Code (FBC) and the industry requirement for the stated conditions.
- Nail flange is optional, and used for a weather seal only.
- All glazing shall conform to ASTM E1300.
- 4. At minimum, glazing shall be 3mm annealed 13mm airspace 3mm annealed glass.
- 5. Use structural or composite shims where required.
- 6. Anchor strap specifications: 16 Ga. galvanized steel, .060 min. thickness x .850" width.\
- 7. Sill metal back angle material is either Aluminum 1/8" Min. or Steel 16 Ga. Min.

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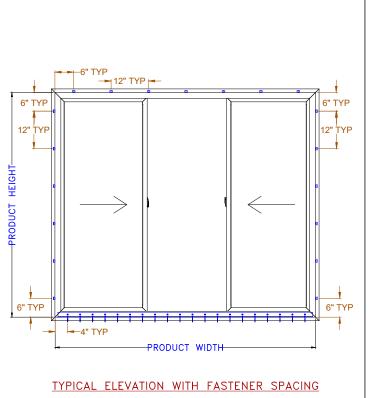
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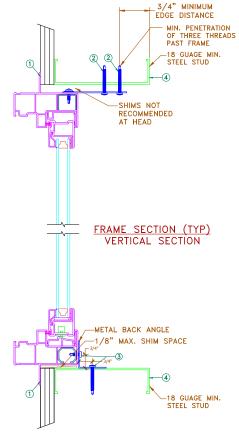


531 ENDURANCE

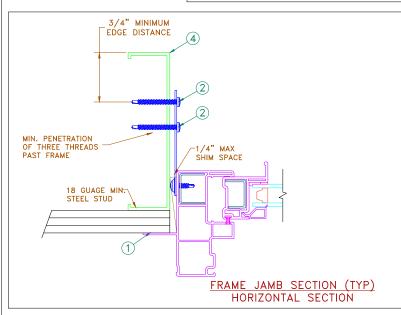
DRAWING ID NO. SHEET

1-3 MASONRY STRAP WOOD/SCREW INSTALLATION









MAXIMUM	FRAME	CLASS/DP	IMPACT
108"	x 66"	LC/30	NO

- Seal flange/frame to substrate. Sill shall be set on a continuous serpentine bead of structural grade silicone/caulk.
- 2. Head and Jamb must be fastened through anchor strap using (QTY 2) #10 TEK Screws MIN. Fy = 33 KSI
- 3. Sill fastener size @ back angle to steel framing is 10-16 TEK Screw @ 4" O.C.. Fasteners must penetrate structural framing a minimum of 3 threads past framing. Fastener size for sill @ back angle to window is #8 x 1/2"(MAX.) @ 4" O.C.
- 4. Structural framing (wood buck, stud framing and opening) to be designed and anchored to properly transfer all loads to structure. The host structure is the responsibility of the architect or engineer of the record for the project of installation

This schedule addresses only the fasteners required to anchor the unit to achieve the rated design pressure and impact performance (where applicable) up to the size limitations noted. It is not intended as a guide to the installation process and does not address the sealing consideration that may arise in different wall conditions. For the complete installation procedure, see the instructions packaged with the unit or go to www.jeld-wen.com.

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 Florida Building Code (FBC) and the industry requirement for the stated conditions.
- Nail flange is optional, and used for a weather seal only.
- 3. All glazing shall conform to ASTM E1300.
- 4. At minimum, glazing shall be 3mm annealed 13mm airspace 3mm annealed glass.
- 5. Use structural or composite shims where required.
- 6. Anchor strap specifications: 16 Ga. galvanized steel, .060 min. thickness x .850" width.
- 7. Sill metal back angle material is either Aluminum 1/8" Min. or Steel 16 Ga. Min.

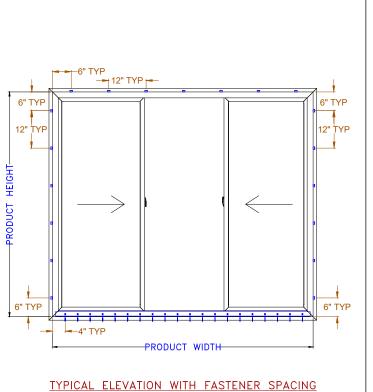
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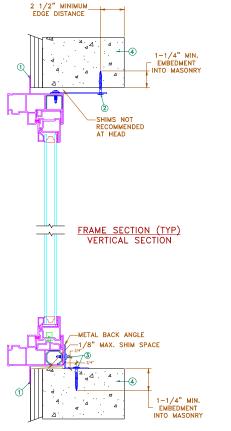
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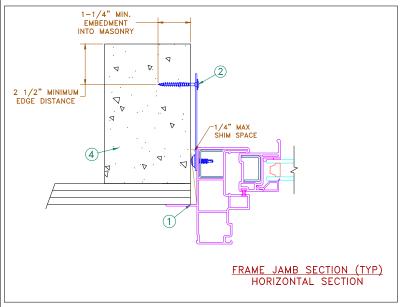


MASONRY STRAP STEEL/SCREW INSTALLATION









MAXIMUM FRAME	CLASS/DP	IMPACT
108" x 66"	LC/30	NO

- Seal flange/frame to substrate. Sill shall be set on a continuous serpentine bead of structural grade silicone/caulk.
- Head and Jamb must be fastened through anchor strap using one (1) 1/4"Ø Tapcon or equivalent fastener through masonry strap with sufficient length to penetrate a minimum of 1-1/4" into masonry substrate with a 2-1/2" minimum edge distance. CMU shall adhere to ASTM C90 and concrete shalll have a min. F'c=3,000
- Sill fastener to be 3/16" Tapcon @ 4" O.C. through back angle with sufficient length to penetrate 1-1/4" into masonry substrate with a 2-1/2" min. edge distance. CMU shall adhere to ASTM C90 and concrete shall have a Min. F'c-3,000 PSI. Fastener size for sill @ back angle to window is 10-16 x 1/2"(MAX.) TEK Screw @ 4" O.C.

Structural framing (wood buck, stud framing and opening) to be designed and ancholog to properly transfer all loads to structure. The host structure is the responsibility of the architect or experiment of of the archi project of installation

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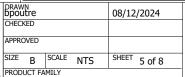
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- Nail flange is optional, and used for a weather seal only.
- All glazing shall conform to ASTM E1300.
- 4. At minimum, glazing shall be 3mm annealed - 13mm airspace - 3mm annealed glass.
- Use structural or composite shims where required.
- Anchor strap specifications: 16 Ga. galvanized steel, .060 min. thickness x .850" width.
- 7. Sill metal back angle material is either Aluminum 1/8" Min. or Steel 16 Ga. Min.

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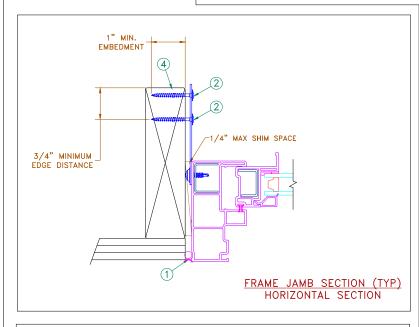
531 ENDURANCE

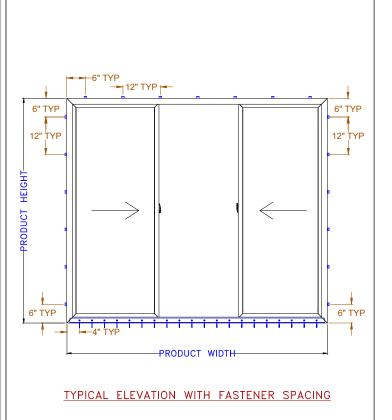
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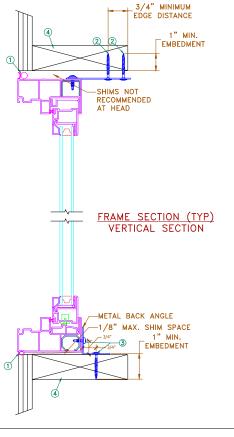
DRAWING ID NO. MASONRY STRAP CONCRETE SCREW INSTALLATION

CLASS/DP IMPACT

REV







Installation Notes:

- Seal exterior frame to substrate using backer rod plus sealant. Sill shall be set on a continuous serpentine bead of structural grade silicone/caulk.
- Head and Jamb must be fastened through anchor strap using (QTY 2) #10 fasteners with sufficient length to penetrate a min. 1" into wood substrate. (For 2x wood frame substrate. Min. S.G. - 0.42).
- Sill fastener size @ back angle to wood framing is #8 @ 4" O.C.. Fastener size for sill @ back angle to window is 10-16 x 1/2"(MAX.) TEK Screw @ 4" O.C.
- Structural framing (wood buck, stud framing and opening) to be designed and anchored to properly transfer all loads to structure. The host structure is the responsibility of the architect or engineer of the record for the project of installation

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- All glazing shall conform to ASTM E1300.
- At minimum, glazing shall be 3mm annealed 13mm airspace 3mm annealed glass.

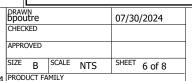
MAXIMUM FRAME

108" x 66'

- Use structural or composite shims where required.
- Anchor strap specifications: 16 Ga. galvanized steel, .060 min. thickness x .850" width.
- Sill metal back angle material is either Aluminum 1/8" Min. or Steel 16 Ga. Min.

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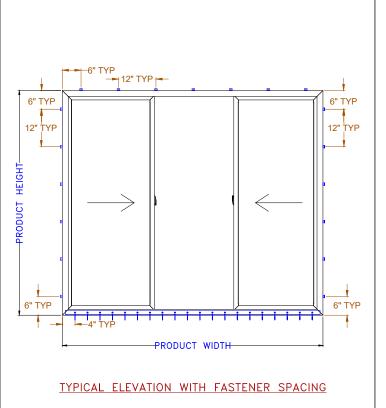


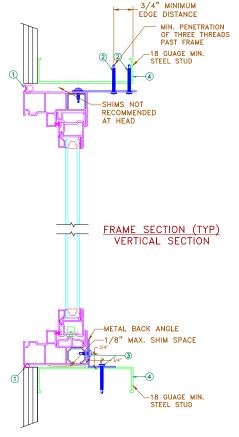


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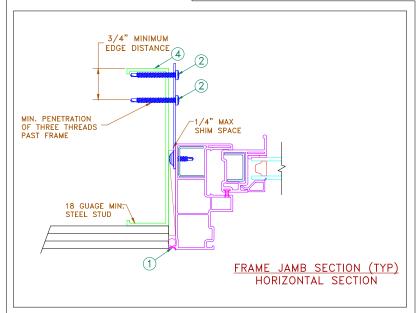
1-6

DRAWING ID NO. NO FLANGE / MASONRY STRAP WOOD/SCREW INSTALLATION









MAXIMUM FRAME	CLASS/DP	IMPACT
108" x 66"	LC/30	NO

- Seal exterior frame to substrate using backer rod plus sealant. Sill shall be set on a continuous serpentine bead of structural grade silicone/caulk.
- Head and Jamb must be fastened through anchor strap using (QTY 2) #10 TEK Screws Min Fy = 33 KSI.
- Sill fastener size @ back angle to wood framing is 10-16 TEK Screw @ 4" O.C.. Fastener size for sill @ back angle to window is 10-16 x 1/2"(MAX.) TEK Screw @ 4" O.C.
- Structural framing (wood buck, stud framing and opening) to be designed and anchored to properly transfer all loads to structure. The host structure is the responsibility of the architect or engineer of the record for the project of installation

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- All glazing shall conform to ASTM E1300.

07/30/2024

SHEET 7 of 8

- At minimum, glazing shall be 3mm annealed 13mm airspace 3mm annealed glass.
- Use structural or composite shims where required.
- Anchor strap specifications: 16 Ga. galvanized steel, .060 min. thickness x .850" width.
- Sill metal back angle material is either Aluminum 1/8" Min. or Steel 16 Ga. Min.

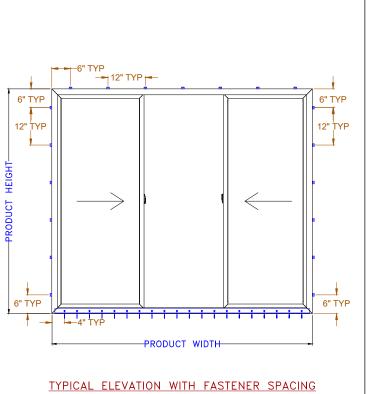
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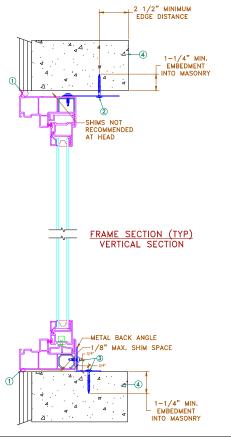
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NO FLANGE / MASONRY STRAP STEEL/SCREW INSTALLATION





No 93573

ONAL STORY

P

70

1-1/4" MIN. EMBEDMENT INTO MASONRY D V 2 1/2" MINIMUM EDGE DISTANCE ∇ 4

NO FLANGE/MASONRY STRAP

CONCRETE SCREW

INSTALLATION

FRAME JAMB SECTION (TYP) HORIZONTAL SECTION

REV

MAXIMUM	FRAME	CLASS/DP	IMPACT
108"	x 66"	LC/30	NO

Installation Notes:

- Seal flange/frame to substrate. Sill shall be set on a continuous serpentine bead of structural grade silicone/caulk.
- Head and Jamb must be fastened through anchor strap using one (1) 1/4"Ø Tapcon or equivalent fastener through masonry strap with sufficient length to penetrate a minimum of 1-1/4" into masonry substrate with a 2-1/2" minimum edge distance. CMU shall adhere to ASTM C90 and concrete shalll have a min. F'c=3,000
- Sill fastener to be 3/16" Tapcon @ 4" O.C. through back angle with sufficient length to penetrate 1-1/4" into masonry substrate with a 2-1/2" min. edge distance. CMU shall adhere to ASTM C90 and concrete shall have a Min. F'c-3,000 PSI. Fastener size for sill @ back angle to window is 10-16 x 1/2"(MAX.) TEK Screw @ 4" O.C.
- Structural framing (wood buck, stud framing and opening) to be designed and anchored a all loads to structure. The host structure is the responsibility of the architect or engineer of the responsibility of the project of installation

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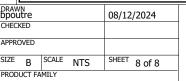
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- 4. Use structural or composite shims where required.
- 5. Anchor strap specifications: 16 Ga. galvanized steel, .060 min. thickness x .850" width.
- Sill metal back angle material is either Aluminum 1/8" Min. or Steel 16 Ga. Min.

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MICAH SWARTZ, P.E.

PE No. 93873
5134 Cambridge Ct.
Klamath Falls, 0R. 97603
(541) 363-8075 531 ENDURANCE

1-8

DRAWING ID NO. NO FLANGE / MASONRY STRAP CONCRETE SCREW INSTALLATION