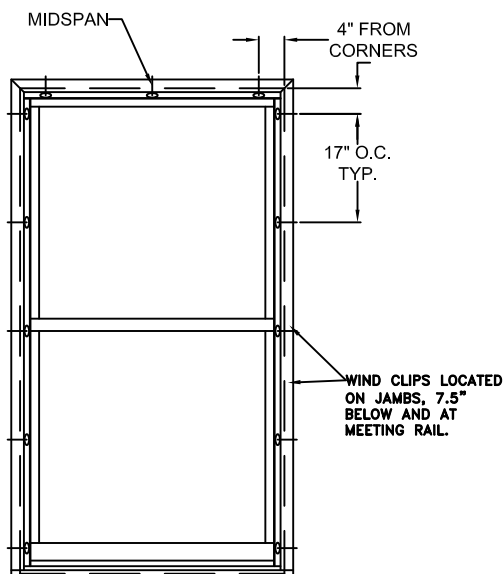
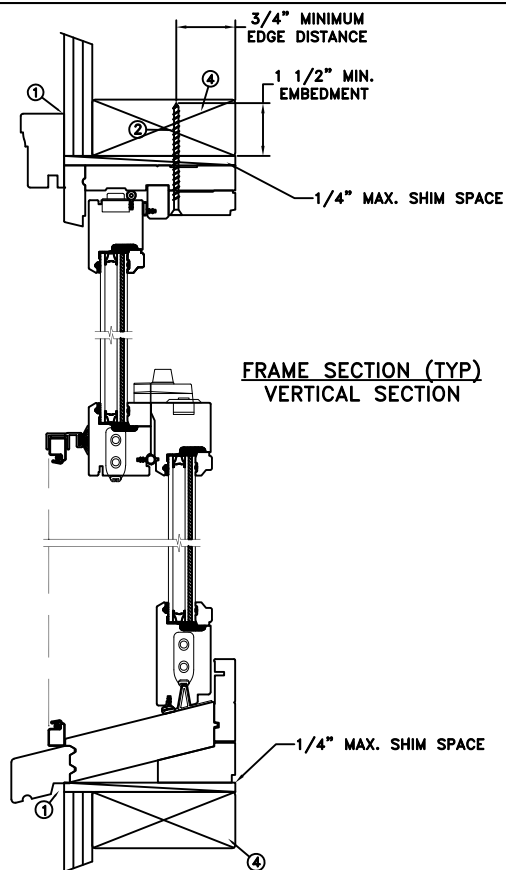


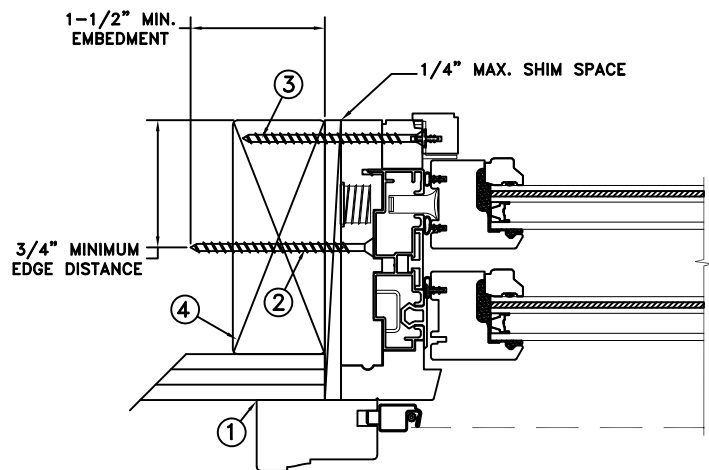
THROUGH FRAME/SCREW WOOD INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



FRAME SECTION (TYP)
VERTICAL SECTION



FRAME JAMB SECTION (TYP)
HORIZONTAL SECTION

MAXIMUM FRAME	DP	IMPACT
41.4375" x 76"	+50/-65	YES

WINDZONE 3

Installation Notes:

1. Seal flange/frame to substrate. Sill shall be set on a continuous serpentine bead of structural grade silicone caulk when no fasteners are used to anchor the sill (typical).
2. Use #8 PH or greater fastener through the head & side jambs with sufficient length to penetrate a minimum of 1-1/2" into the wood framing. For 2x wood frame substrate (min. S.G. = 0.42).
3. Use two (2) - #8 x 3" PH fasteners to install wind clips into side jambs with a minimum embedment of 1-1/2" into wood framing, with a 3/4" min. distance from edge. For 2x wood frame substrate (min. S.G. = 0.42).
4. Host structure (wood buck, masonry, steel) to be designed and anchored to properly transfer all loads to the structure. The host structure is the responsibility of the architect or engineer of record for the project of installation.

General Notes:

1. The product shown herein is designed, tested and manufactured to comply with the wind load criteria of the adopted International Building Code (IBC), the International Residential Code (IRC), the current Florida Building Code (FBC) and the industry requirement for the stated conditions.
2. All glazing shall conform to ASTM E1300.
3. At minimum, glazing shall be 3.1mm annealed - 8.8mm airspace - 2.4mm annealed - 2.29mm PVB Interlayer by Kuraray - 2.4mm annealed glass.
4. Use structural or composite shims where required.

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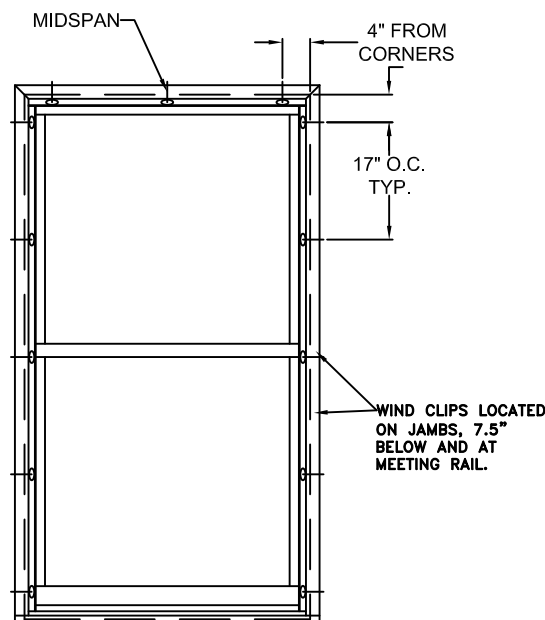
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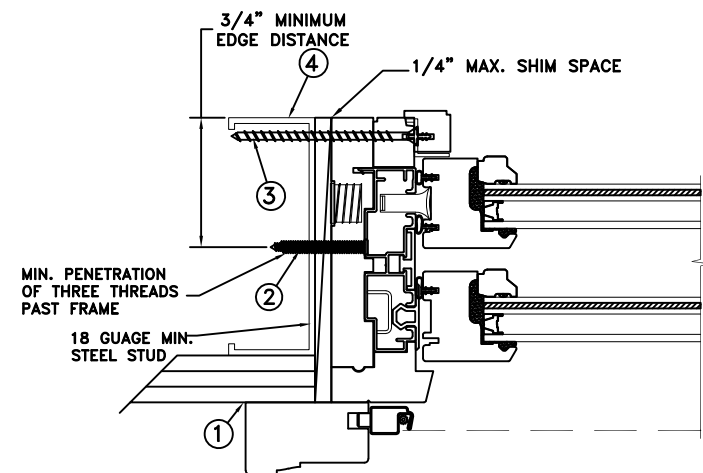
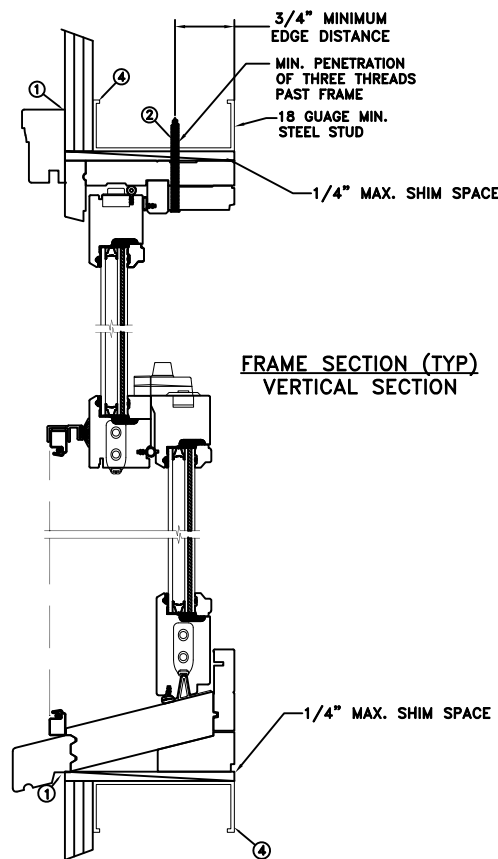
MICAH SWARTZ, P.E.
09/21/25
PE No. 93573
5134 Cambridge Ct.
Klamath Falls, OR. 97603
(541) 363-8075

	DATE: 09/03/2025			3737 LAKEPORT BLVD.	
DRAWN BY: M.HAM	SCALE: NTS			KLAMATH FALLS OR, 97601	
CHECKED BY: M.HAM	TITLE: Custom Wood Single Hung With Wind Clips				
APPROVED BY: J.GOOSSEN					
RECORD No.: D004262					
REPORT No.: i8029.01-301-47		CAD DWG. No.: —	REV: E	SHEET 1 of 7	

THROUGH FRAME/SCREW STEEL INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



FRAME JAMB SECTION (TYP)
HORIZONTAL SECTION

MAXIMUM FRAME	DP	IMPACT
41.4375" x 76"	+50/-65	YES

WINDZONE 3

Installation Notes:

1. Seal flange/frame to substrate. Sill shall be set on a continuous serpentine bead of structural grade silicone caulk when no fastener is used to anchor the sill (typical).
2. For anchoring through head and side jambs into metal framing use #10 TEK Self-Tapping screws with sufficient length to achieve a minimum penetration of three threads past the frame thickness. Steel substrate min. 18ga., fy = 33 ksi.
3. Use two (2) - #10 TEK Self-Tapping screws to install wind clips into side jambs with sufficient length to achieve a minimum penetration of 3 threads past the frame thickness with a 3/4" min. distance from edge. Steel substrate min. 18ga., fy = 33 ksi.
4. Host structure (wood buck, masonry, steel) to be designed and anchored to properly transfer all loads to the structure. The host structure is the responsibility of the architect or engineer of record for the project of installation.

General Notes:

1. The product shown herein is designed, tested and manufactured to comply with the wind load criteria of the adopted International Building Code (IBC), the International Residential Code (IRC), the current Florida Building Code (FBC) and the industry requirement for the stated conditions.
2. All glazing shall conform to ASTM E1300.
3. At minimum, glazing shall be 3.1mm annealed - 8.8mm airspace - 2.4mm annealed - 2.29mm PVB Interlayer by Kuraray - 2.4mm annealed glass.
4. Use structural or composite shims where required.

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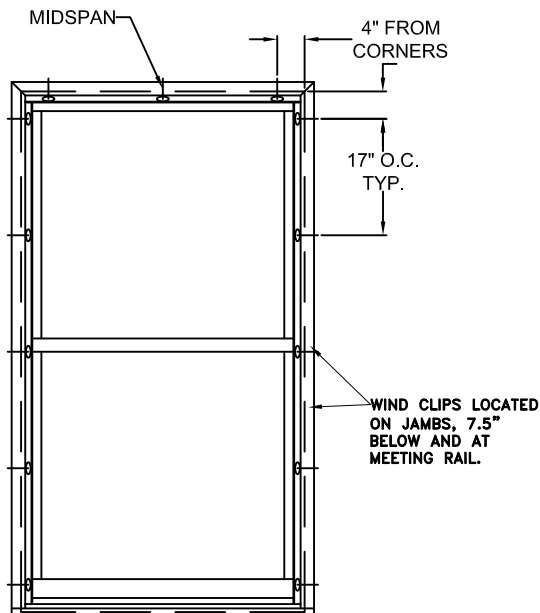
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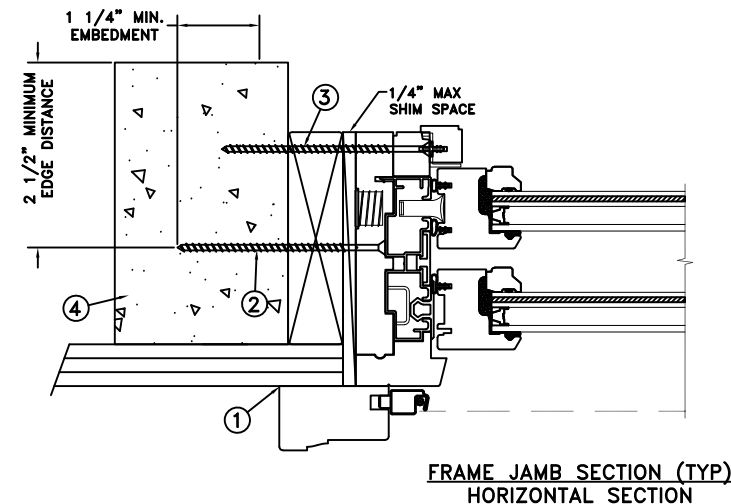
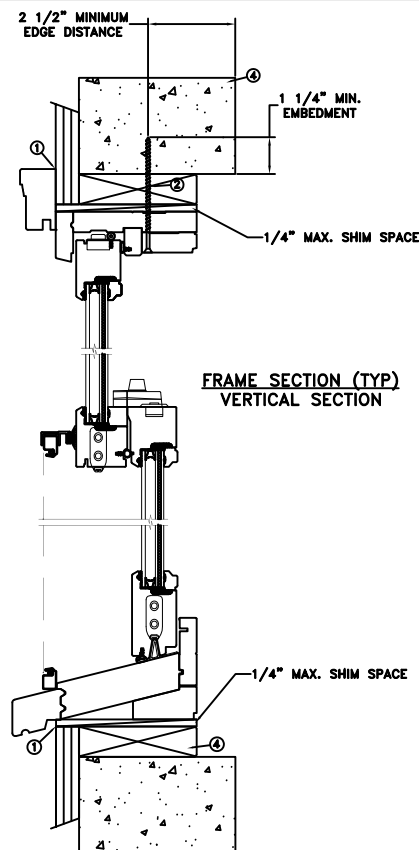
MICAH SWARTZ, P.E. 09/21/25
PE No. 93573
5134 Cambridge Ct.
Klamath Falls, OR. 97603
(541) 363-8075

DATE: 09/03/2025	JELD-WEN 3737 LAKEPORT BLVD. KLAMATH FALLS OR, 97601 PHONE: (800) 535-3936
DRAWN BY: M.HAM	
CHECKED BY: M.HAM	TITLE: Custom Wood Single Hung With Wind Clips
APPROVED BY: J.GOOSSEN	
RECORD No.: D004262	CAD DWG. No.: —
REPORT No.: 18029.01-301-47	
REV: E	SHEET 2 of 7

THROUGH FRAME/SCREW CONCRETE INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



MAXIMUM FRAME	DP	IMPACT
41.4375" x 76"	+50/-65	YES

WINDZONE 3

Installation Notes:

1. Seal flange/frame to substrate. Sill shall be set on a continuous serpentine bead of structural grade silicone caulk when no fastener is used to anchor the sill (typical).
2. Use 3/16" Tapcon or equivalent fasteners through the head and side jambs with sufficient length to penetrate a minimum of 1-1/4" into concrete or masonry at each location with a 2-1/2" min. from edge distance. For concrete (min. $f_c = 3000$ psi) or masonry substrate (CMU shall be ASTM C90).
3. Use two (2) - 3/16" Tapcon or equivalent fasteners to install wind clips into side jambs with sufficient length to penetrate a minimum of 1-1/4" into concrete or masonry with a 2-1/2" min. distance from edge. For concrete (min. $f_c = 3000$ psi) or masonry substrate (CMU shall be ASTM C90).
4. Host structure (wood buck, masonry, steel) to be designed and anchored to properly transfer all loads to the structure. The host structure is the responsibility of the architect or engineer of record for the project of installation.

General Notes:

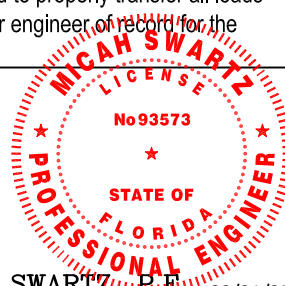
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2. All glazing shall conform to ASTM E1300.
3. At minimum, glazing shall be 3.1mm annealed - 8.8mm airspace - 2.4mm annealed - 2.29mm PVB Interlayer by Kuraray - 2.4mm annealed glass.
4. Use structural or composite shims where required.

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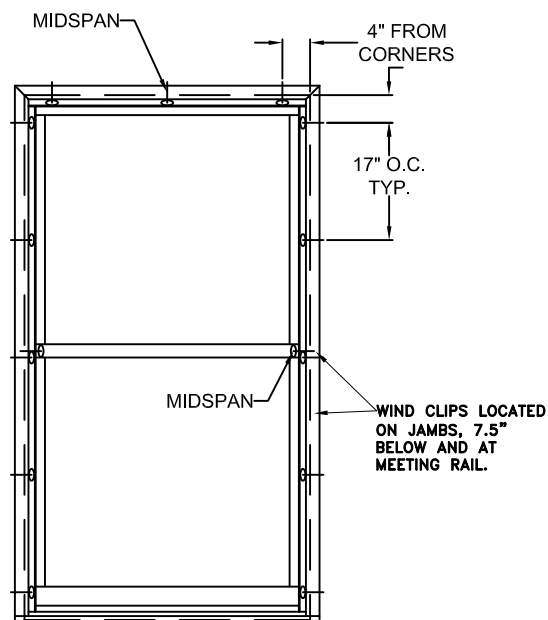
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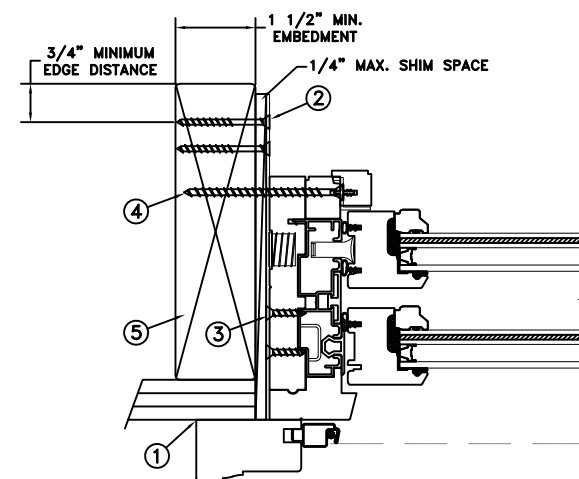
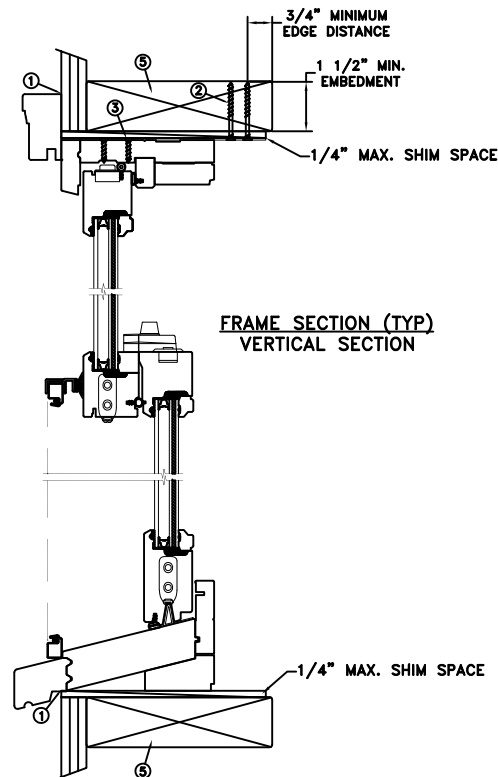
MICAH SWARTZ, P.E. 09/21/25
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Klamath Falls, OR. 97603
(541) 363-8075

DATE: 09/03/2025		3737 LAKEPORT BLVD. KLAMATH FALLS OR, 97601 PHONE: (800) 535-3936		
DRAWN BY: M.HAM		SCALE: NTS		
CHECKED BY: M.HAM		TITLE: Custom Wood Single Hung With Wind Clips		
APPROVED BY: J.GOOSSEN				
RECORD No.: D004262				
REPORT No.: i8029.01-301-47		CAD DWG. No.: —	REV: E	SHEET 3 of 7

MASONRY STRAP WOOD/SCREW INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



**FRAME JAMB SECTION (TYP)
HORIZONTAL SECTION**

MAXIMUM FRAME	DP	IMPACT
41.4375" x 76"	+50/-65	YES

WINDZONE 3

Installation Notes:

1. Seal flange/frame to substrate. Sill shall be set on a continuous serpentine bead of structural grade silicone caulk when no fastener is used to anchor the sill (typical).
2. Use two (2) - #8 PFH or larger fasteners through masonry strap with sufficient length to penetrate a minimum of 1-1/2" into the buck. For 2x wood frame substrate (min. S.G. = 0.42).
3. Use two (2) - #8 PFH or larger fasteners through masonry strap into jamb without penetrating through the jamb into product causing visibility or collateral damage to product.
4. Use two (2) - #8 x 3" PH fasteners to install wind clips into side jambs with sufficient length to penetrate a minimum of 1-1/2" into the buck with a 3/4" min. distance from edge. For 2x wood frame substrate (min. S.G. = 0.42).
5. Host structure (wood buck, masonry, steel) to be designed and anchored to properly transfer all loads to the structure. The host structure is the responsibility of the architect or engineer of record for the project of installation.

General Notes:

1. The product shown herein is designed, tested and manufactured to comply with the wind load criteria of the adopted International Building Code (IBC), the International Residential Code (IRC), the current Florida Building Code (FBC) and the industry requirement for the stated conditions.
2. All glazing shall conform to ASTM E1300.
3. At minimum, glazing shall be 3.1mm annealed - 8.8mm airspace - 2.4mm annealed - 2.29mm PVB Interlayer by Kuraray - 2.4mm annealed glass.
4. Use structural or composite shims where required.
5. Masonry strap specifications: 20 Ga. galvanized steel, .036" min. thickness x 1.5" min. width.

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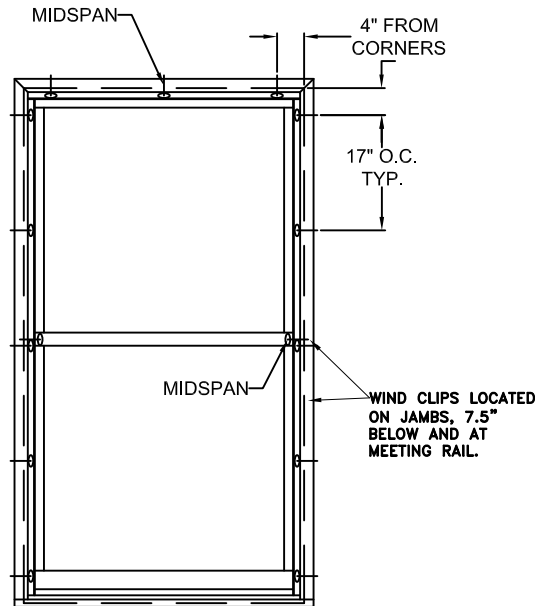
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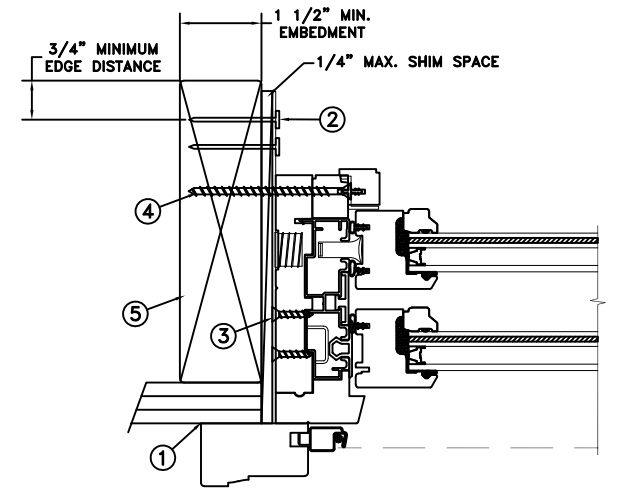
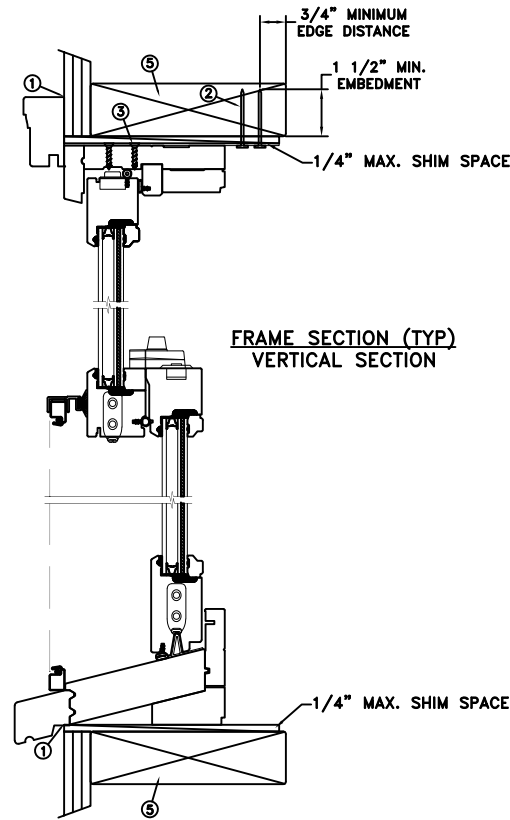
MICAH SWARTZ, P.E.
09/21/25
PE No. 93573
5134 Cambridge Ct.
Klamath Falls, OR. 97603
(541) 363-8075

DATE: 09/03/2025		3737 LAKEPORT BLVD. KLAMATH FALLS OR, 97601 PHONE: (800) 535-3936	
DRAWN BY: M.HAM	SCALE: NTS	JELD-WEN	
CHECKED BY: M.HAM	TITLE: Custom Wood Single Hung With Wind Clips		
APPROVED BY: J.GOOSSEN	RECORD No.: D004262		
REPORT No.: i8029.01-301-47	CAD DWG. No.: —	REV: E	SHEET 4 of 7

MASONRY STRAP WOOD/NAIL INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



**FRAME JAMB SECTION (TYP)
HORIZONTAL SECTION**

MAXIMUM FRAME	DP	IMPACT
41.4375" x 76"	+50/-65	YES

WINDZONE 3

Installation Notes:

1. Seal flange/frame to substrate. Sill shall be set on a continuous serpentine bead of structural grade silicone caulk when no fastener is used to anchor the sill (typical).
2. Use two (2) - 6d x 2" fasteners through masonry strap with sufficient length to penetrate a minimum of 1-1/2" into the buck. For 2x wood frame substrate (min. S.G. = 0.42).
3. Use two (2) - #8 PFH or larger fasteners through masonry strap into jamb without penetrating through the jamb into product causing visibility or collateral damage to product.
4. Use two (2) - #8 x 3" PH fasteners to install wind clips into side jambs with sufficient length to penetrate a minimum of 1-1/2" into the buck with a 3/4" min. distance from edge. For 2x wood frame substrate (min. S.G. = 0.42).
5. Host structure (wood buck, masonry, steel) to be designed and anchored to properly transfer all loads to the structure. The host structure is the responsibility of the architect or engineer of record for the project of installation.

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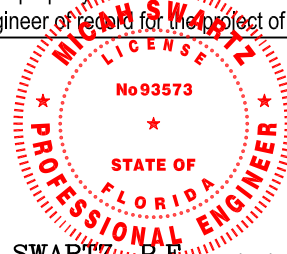
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General Notes:

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2. All glazing shall conform to ASTM E1300.
3. At minimum, glazing shall be 3.1mm annealed - 8.8mm airspace - 2.4mm annealed - 2.29mm PVB Interlayer by Kuraray - 2.4mm annealed glass.
4. Use structural or composite shims where required.
5. Masonry strap specifications: 20 Ga. galvanized steel, .036" min. thickness x 1.5" min. width.

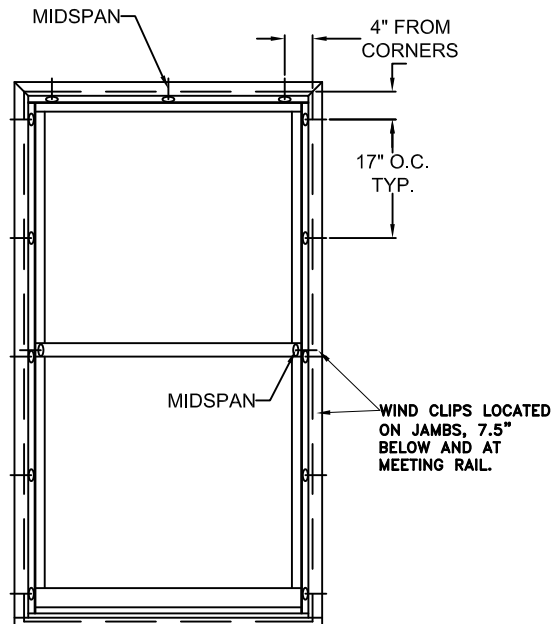
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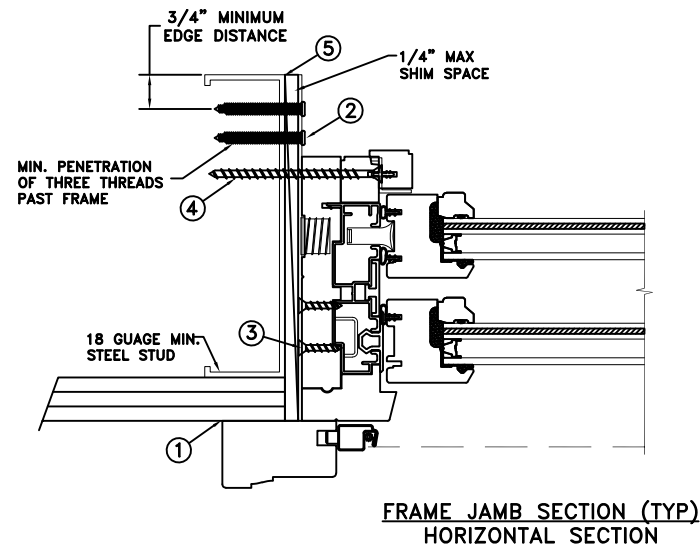
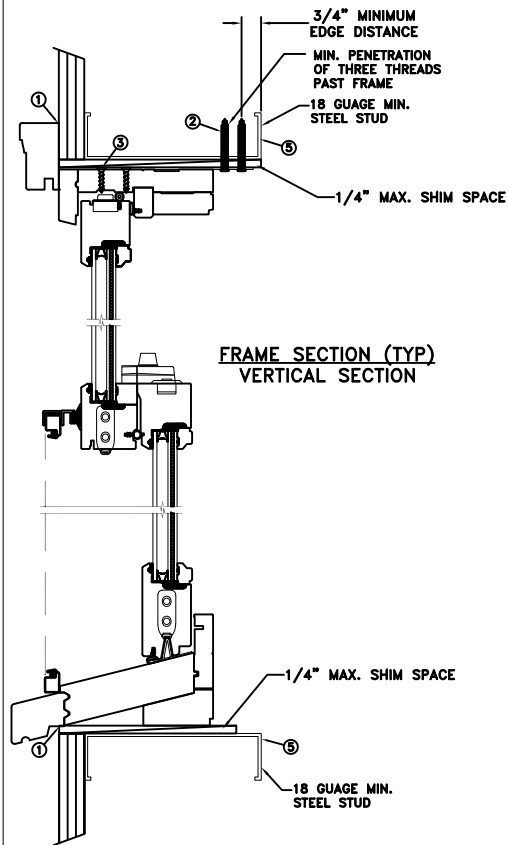
MICAH SWARTZ, P.E.
PE No. 93573
5134 Cambridge Ct.
Klamath Falls, OR. 97603
(541) 363-8075
09/21/25

	DATE: 09/03/2025	JELD-WEN 3737 LAKEPORT BLVD. KLAMATH FALLS OR, 97601 PHONE: (800) 535-3936
DRAWN BY: M.HAM	SCALE: NTS	
CHECKED BY: M.HAM	TITLE: Custom Wood Single Hung With Wind Clips	
APPROVED BY: J.GOOSSEN	RECORD No.: D004262	
REPORT No.: 18029.01-301-47	CAD DWG. No.: —	REV: E SHEET 5 of 7

MASONRY STRAP STEEL/SCREW INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



MAXIMUM FRAME	DP	IMPACT
41.4375" x 76"	+50/-65	YES

WINDZONE 3

Installation Notes:

- Seal flange/frame to substrate. Sill shall be set on a continuous serpentine bead of structural grade silicone caulk when no fastener is used to anchor the sill (typical).
- Use two (2) - #10 TEK Self-Tapping or larger screws through masonry strap with sufficient length to achieve a minimum penetration of three threads past the frame thickness. Steel substrate min. 18ga., $f_y = 33$ ksi.
- Use two (2) - #8 PFH or larger fasteners through masonry strap into jamb without penetrating through the jamb into product causing visibility or collateral damage to product.
- Use two (2) - #10 TEK Self-Tapping screws to install wind clips into side jambs with sufficient length to achieve a minimum penetration of 3 threads past the frame thickness with a 3/4" min. distance from edge. Steel substrate min. 18ga., $f_y = 33$ ksi.
- Host structure (wood buck, masonry, steel) to be designed and anchored to properly transfer all loads to the structure. The host structure is the responsibility of the architect or engineer of record for the project of installation.

General Notes:

- The product shown herein is designed, tested and manufactured to comply with the wind load criteria of the adopted International Building Code (IBC), the International Residential Code (IRC), the current Florida Building Code (FBC) and the industry requirement for the stated conditions.
- All glazing shall conform to ASTM E1300.
- At minimum, glazing shall be 3.1mm annealed - 8.8mm airspace - 2.4mm annealed - 2.29mm PVB Interlayer by Kuraray - 2.4mm annealed glass.
- Use structural or composite shims where required.
- Masonry strap specifications: 20 Ga. galvanized steel, .036" min. thickness x 1.5" min. width.

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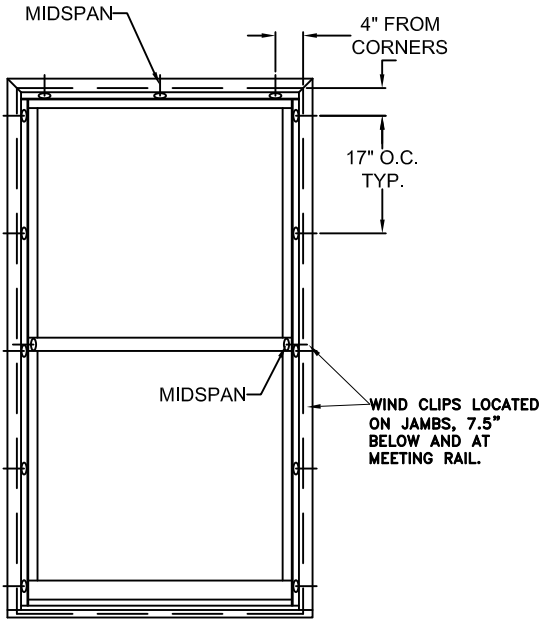
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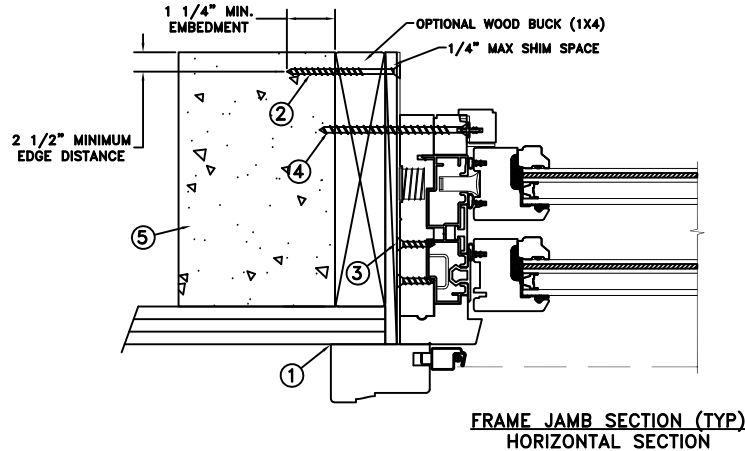
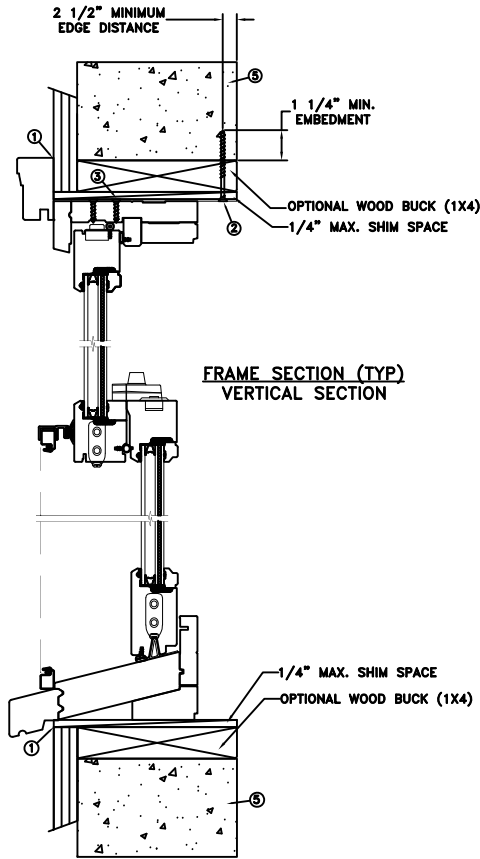
MICAH SWARTZ, P.E. 09/21/25
PE No. 93573
5134 Cambridge Ct.
Klamath Falls, OR. 97603
(541) 363-8075

DATE: 09/03/2025	3737 LAKEPORT BLVD. KLAMATH FALLS OR, 97601 PHONE: (800) 535-3936
DRAWN BY: M.HAM	SCALE: NTS
CHECKED BY: M.HAM	TITLE: Custom Wood Single Hung With Wind Clips
APPROVED BY: J.GOOSSEN	
RECORD No.: D004262	
REPORT No.: 18029.01-301-47	CAD DWG. No.: —
	REV: E SHEET 6 of 7

MASONRY STRAP CONCRETE
SCREW INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



MAXIMUM FRAME	DP	IMPACT
41.4375" x 76"	+50/-65	YES

WINDZONE 3

Installation Notes:

1. Seal flange/frame to substrate. Sill shall be set on a continuous serpentine bead of structural grade silicone caulk when no fastener is used to anchor the sill (typical).
2. Use one (1) - 3/16" Tapcon or equivalent fasteners through masonry strap with sufficient length to penetrate a minimum of 1-1/4" into the buck or concrete. For 2x wood frame substrate (min. S.G. = 0.42). For concrete (min. fc = 3000 psi) or masonry substrate (CMU shall be ASTM C90).
3. Use two (2) - #8 PFH or larger fasteners through masonry strap into jamb without penetrating through the jamb into product causing visibility or collateral damage to product.
4. Use two (2) - 3/16" Tapcon or equivalent fasteners to install wind clips into side jambs with sufficient length to penetrate a minimum of 1-1/4" into concrete or masonry with a 2-1/2" min. distance from edge. For 2x wood frame substrate (min. S.G. = 0.42). For concrete (min. fc = 3000 psi) or masonry substrate (CMU shall be ASTM C90).
5. Host structure (wood buck, masonry, steel) to be designed and anchored to properly transfer all loads to the structure. The host structure is the responsibility of the architect or engineer of record for the project of installation.

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(541) 363-8075

DATE: 09/03/2025	3737 LAKEPORT BLVD. KLAMATH FALLS OR, 97601 PHONE: (800) 535-3936
DRAWN BY: M.HAM	SCALE: NTS
CHECKED BY: M.HAM	TITLE: Custom Wood Single Hung With Wind Clips
APPROVED BY: J.GOOSEN	
REPORT No.: D004262	
REPORT No.: i8029.01-301-47	CAD DWG. No.: —
	REV: E
	SHEET 7 of 7