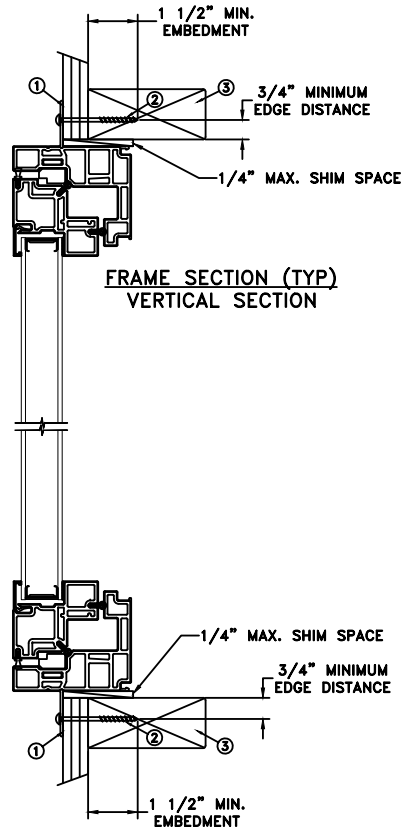
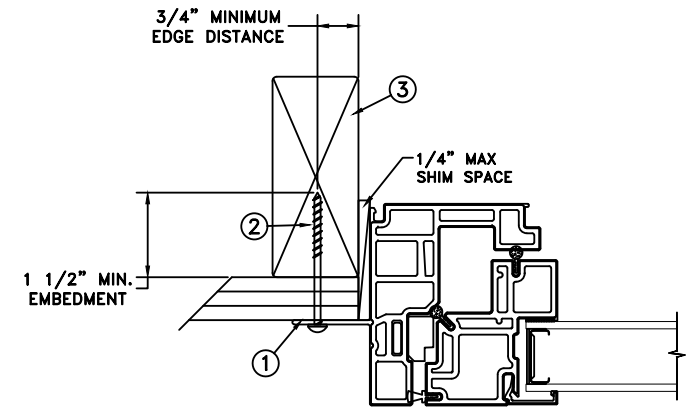


TYPICAL ELEVATION WITH FASTENER SPACING



FRAME SECTION (TYP)  
VERTICAL SECTION



FRAME JAMB SECTION (TYP)  
HORIZONTAL SECTION

NAILFIN/WOOD  
INSTALLATION

MAXIMUM FRAME	DP	IMPACT
72" x 72"	+35/-40	NO

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 #8 PH or greater fastener through the nailing flange 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. 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 2018 International Building Code (IBC) and 2018 International Residential Code (IRC).
2. All glazing shall conform to ASTM E1300.
3. Use structural or composite shims where required.

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](http://www.jeld-wen.com).

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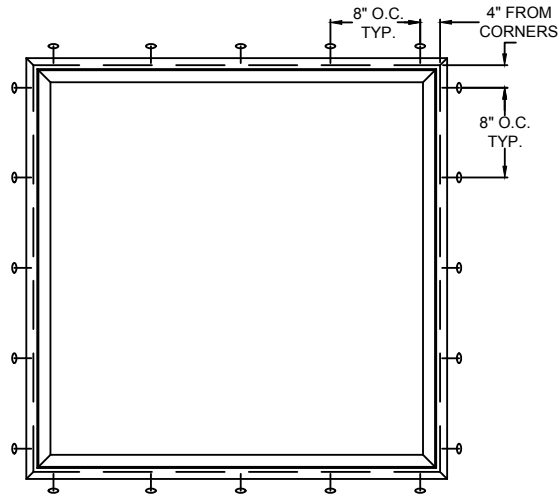


*Joseph A. Reed*

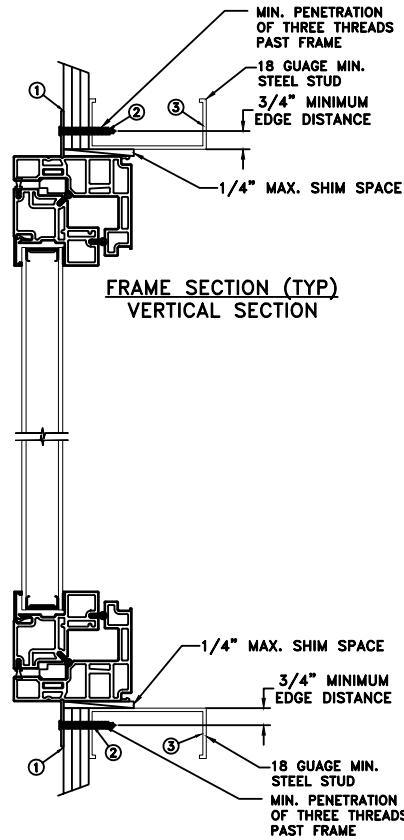
2020.08.17 09:06:04 -04'00'

JOSEPH A. REED, P.E.  
Texas No. 100777  
5 Leigh Drive  
York, PA. 17406  
(717) 846-1200

DATE: 01/22/2020	3737 LAKEPORT BLVD. KLAMATH FALLS OR, 97601 PHONE: (800) 535-3936	
DRAWN BY: J.HAWKINS	SCALE: NTS	<p><b>JELD-WEN</b></p> <p>Auraline Composite Stationary Casement Window</p>
CHECKED BY: D.BELAU	TITLE:	
APPROVED BY: K.BATH		
RECORD No: D015608-1		
REPORT No: NCTL-310-19-122	CAD DWG. No.: AuralINSCsmtSta Cert	REV: A SHEET 1 of 9

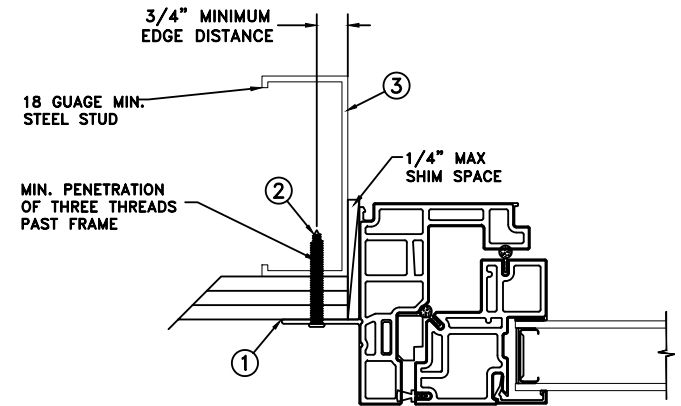


TYPICAL ELEVATION WITH FASTENER SPACING



FRAME SECTION (TYP)  
VERTICAL SECTION

NAILFIN/STEEL  
INSTALLATION



FRAME JAMB SECTION (TYP)  
HORIZONTAL SECTION

MAXIMUM FRAME	DP	IMPACT
72" x 72"	+35/-40	NO

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 nailfin 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. 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 2018 International Building Code (IBC) and 2018 International Residential Code (IRC).
2. All glazing shall conform to ASTM E1300.
3. Use structural or composite shims where required.

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](http://www.jeld-wen.com).

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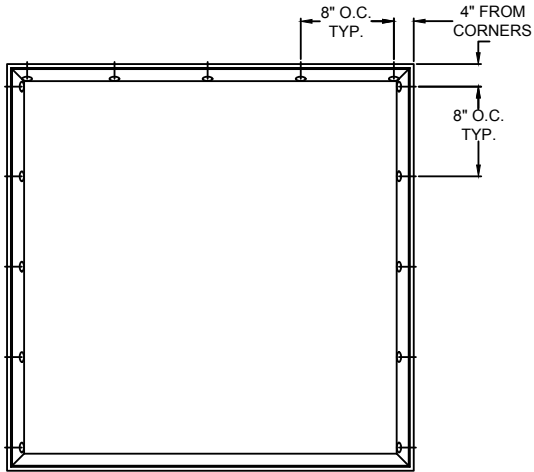
*Joseph A. Reed*

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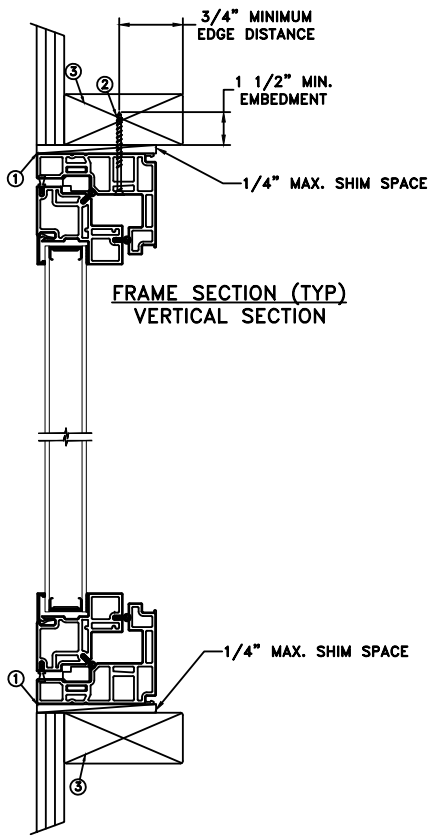
JOSEPH A. REED, P.E.  
Texas No. 100777  
5 Leigh Drive  
York, PA. 17406  
(717) 846-1200

DATE: 01/22/2020		3737 LAKEPORT BLVD. KLAMATH FALLS OR, 97601 PHONE: (800) 535-3936
DRAWN BY: J.HAWKINS		SCALE: NTS
CHECKED BY: D.BELAU	TITLE: Auraline Composite Stationary Casement Window	
APPROVED BY: K.BATH	RECORD No: D015608-1	
REPORT No: NCTL-310-19-122	CAD DWG. No.: AuralINSCsmtSta Cert	REV: A SHEET 2 of 9

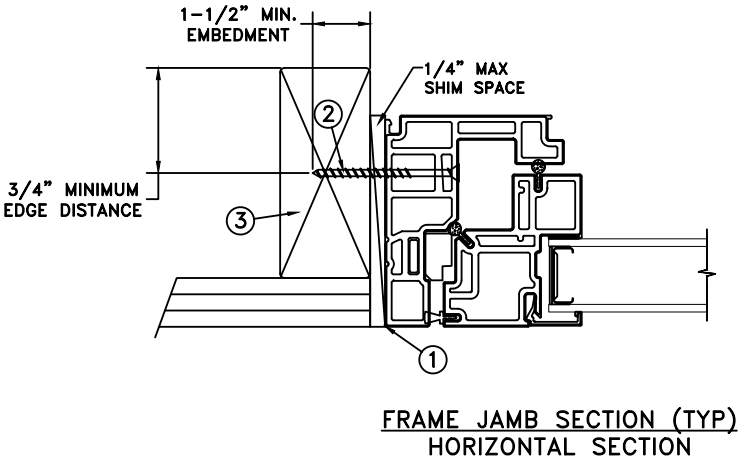
**THROUGH FRAME  
WOOD INSTALLATION**



**TYPICAL ELEVATION WITH FASTENER SPACING**



**FRAME SECTION (TYP)  
VERTICAL SECTION**



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

<b>MAXIMUM FRAME</b>	<b>DP</b>	<b>IMPACT</b>
72" x 72"	+35/-40	NO

**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. 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 2018 International Building Code (IBC) and 2018 International Residential Code (IRC).
2. All glazing shall conform to ASTM E1300.
3. Use structural or composite shims where required.

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](http://www.jeld-wen.com).

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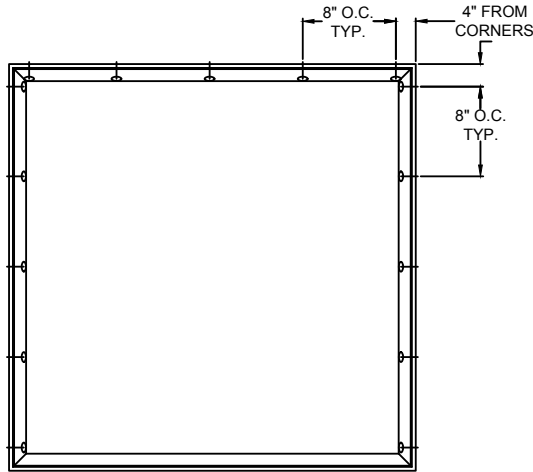
*Joseph A. Reed*

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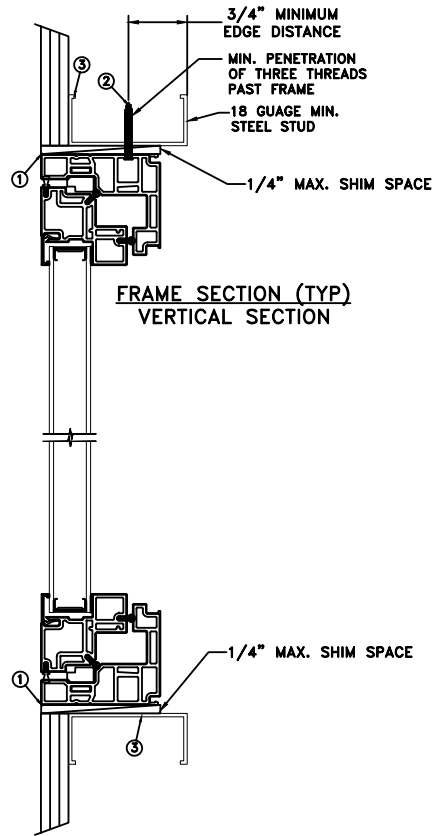
**JOSEPH A. REED, P.E.**  
Texas No. 100777  
5 Leigh Drive  
York, PA. 17406  
(717) 846-1200

DATE: 01/22/2020	<b>JELD-WEN</b> 3737 LAKEPORT BLVD. KLAMATH FALLS OR, 97601 PHONE: (800) 535-3936
DRAWN BY: J.HAWKINS	
CHECKED BY: D.BELAU	SCALE: NTS
APPROVED BY: K.BATH	TITLE: Auraline Composite Stationary Casement Window
RECORD No: D015608-1	
REPORT No: NCTL-310-19-122	
CAD DWG. No.: AuralINSCsmtSta Cert	REV: A
	SHEET 3 of 9

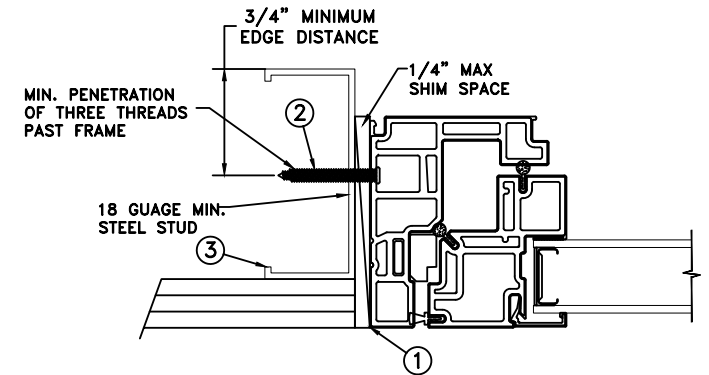
THROUGH FRAME  
STEEL INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



FRAME SECTION (TYP)  
VERTICAL SECTION



FRAME JAMB SECTION (TYP)  
HORIZONTAL SECTION

MAXIMUM FRAME	DP	IMPACT
72" x 72"	+35/-40	NO

**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 jamb 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. 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 2018 International Building Code (IBC) and 2018 International Residential Code (IRC).
2. All glazing shall conform to ASTM E1300.
3. Use structural or composite shims where required.

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](http://www.jeld-wen.com).

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Texas No. 100777  
5 Leigh Drive  
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(717) 846-1200

DATE:  
01/22/2020

DRAWN BY:  
J.HAWKINS

SCALE:  
NTS

CHECKED BY:  
D.BELAU

TITLE:

APPROVED BY:  
K.BATH

RECORD No:  
D015608-1

REPORT No:  
NCTL-310-19-122

**JELD-WEN**

3737 LAKEPORT BLVD.  
KLAMATH FALLS OR, 97601  
PHONE: (800) 535-3936

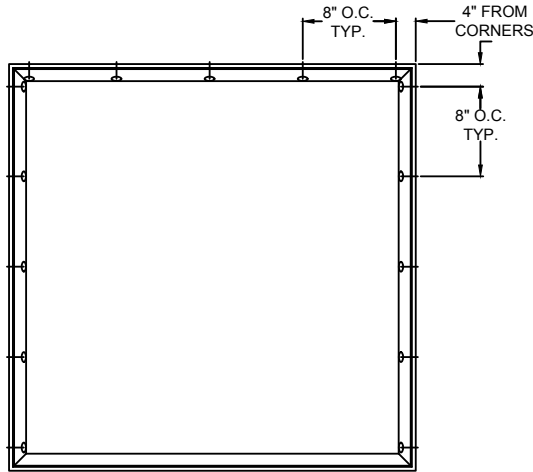
Auraline Composite Stationary Casement Window

CAD DWG. No.:  
AuralNSCsmtSta Cert

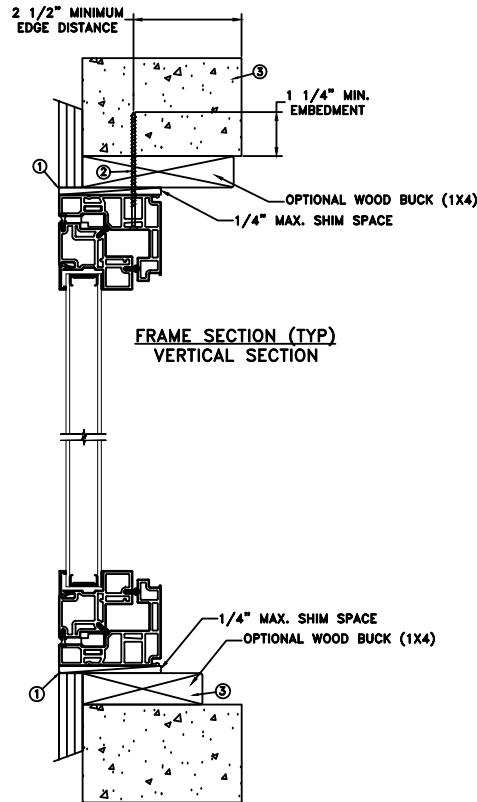
REV:  
A

SHEET  
4 of 9

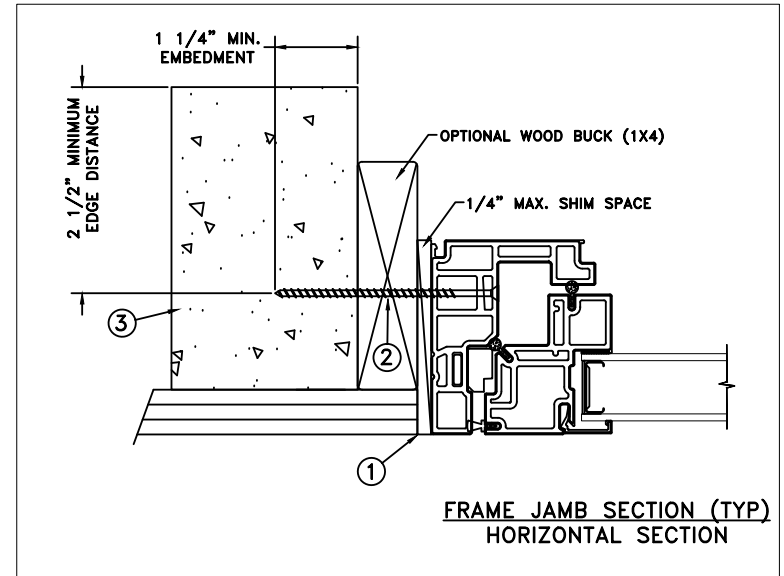
THROUGH FRAME  
CONCRETE INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



FRAME SECTION (TYP)  
VERTICAL SECTION



FRAME JAMB SECTION (TYP)  
HORIZONTAL SECTION

MAXIMUM FRAME	DP	IMPACT
72" x 72"	+35/-40	NO

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, sill 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. fc = 3000 psi) or masonry substrate (CMU shall be ASTM C90).
3. 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.

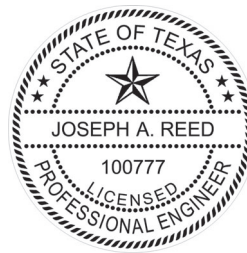
General Notes:

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2. All glazing shall conform to ASTM E1300.
3. Use structural or composite shims where required.

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](http://www.jeld-wen.com).

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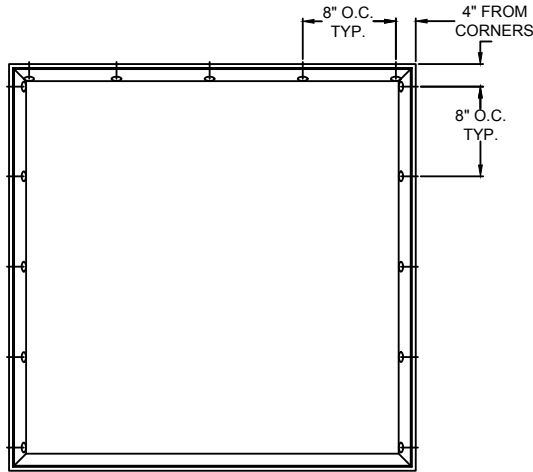
*Joseph A. Reed*

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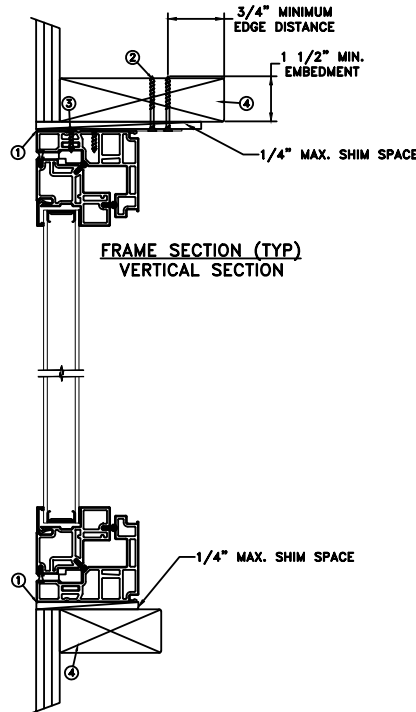
JOSEPH A. REED, P.E.  
Texas No. 100777  
5 Leigh Drive  
York, PA. 17406  
(717) 846-1200

DATE: 01/22/2020		3737 LAKEPORT BLVD. KLAMATH FALLS OR, 97601 PHONE: (800) 535-3936
DRAWN BY: J.HAWKINS		SCALE: NTS
CHECKED BY: D.BELAU	TITLE: Auraline Composite Stationary Casement Window	
APPROVED BY: K.BATH	RECORD No: D015608-1	
REPORT No: NCTL-310-19-122	CAD DWG. No.: AuralINSCsmtSta Cert	REV: A SHEET 5 of 9

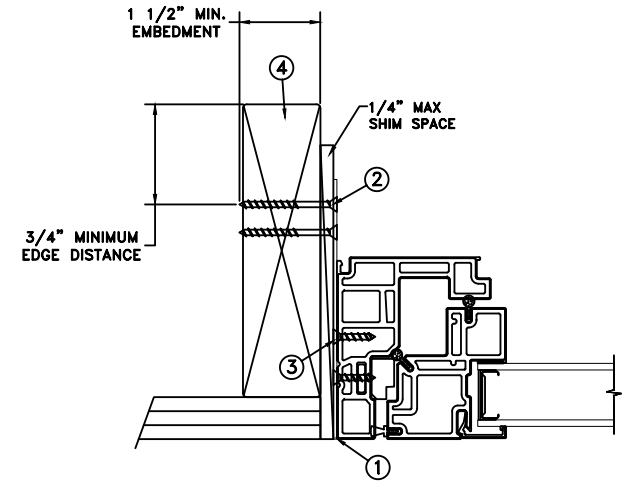
MASONRY STRAP  
WOOD/SCREW INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



FRAME SECTION (TYP)  
VERTICAL SECTION



FRAME JAMB SECTION (TYP)  
HORIZONTAL SECTION

MAXIMUM FRAME	DP	IMPACT
72" x 72"	+35/-40	NO

**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 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 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. 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 2018 International Building Code (IBC), and 2018 International Residential Code (IRC).
2. All glazing shall conform to ASTM E1300.
3. Use structural or composite shims where required.
4. Masonry strap specification: 20 Ga. galvanized steel, .096" min. thickness x 1.5" width x 6" length.

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](http://www.jeld-wen.com).

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*Joseph A. Reed*

2020.08.17 09:06:04 -04'00'

**JOSEPH A. REED, P.E.**  
Texas No. 100777  
5 Leigh Drive  
York, PA. 17406  
(717) 846-1200

DATE:  
01/22/2020

DRAWN BY:  
J.HAWKINS

SCALE:  
NTS

CHECKED BY:  
D.BELAU

TITLE:

APPROVED BY:  
K.BATH

RECORD No:  
D015608-1

REPORT No:  
NCTL-310-19-122

**JELD-WEN**

3737 LAKEPORT BLVD.  
KLAMATH FALLS OR, 97601  
PHONE: (800) 535-3936

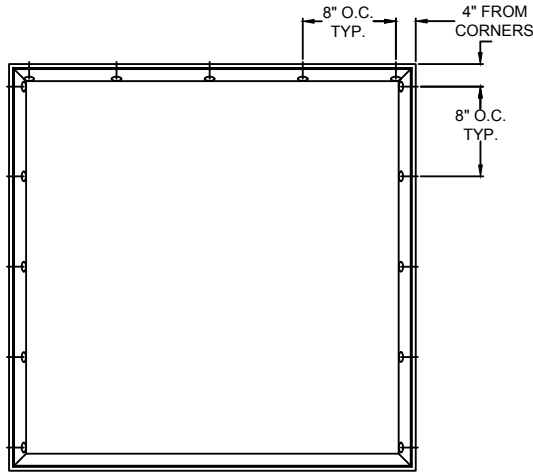
Auraline Composite Stationary Casement Window

CAD DWG. No.:  
AuralNSCsmtSta Cert

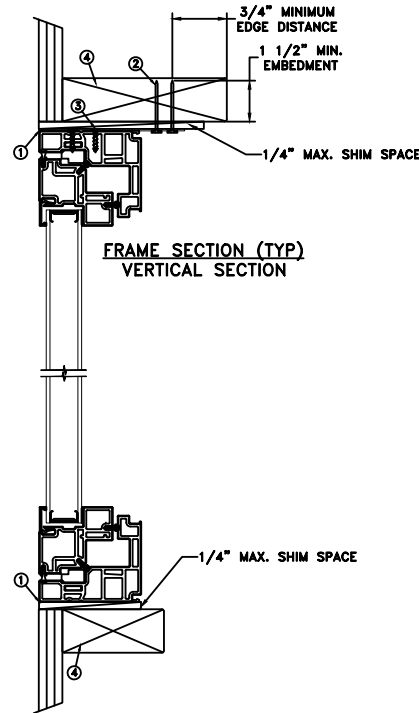
REV:  
A

SHEET  
6 of 9

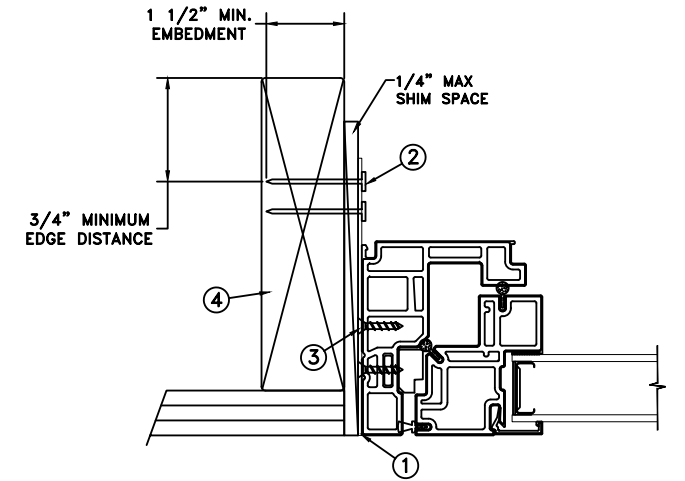
MASONRY STRAP  
WOOD/NAIL INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



FRAME SECTION (TYP)  
VERTICAL SECTION



FRAME JAMB SECTION (TYP)  
HORIZONTAL SECTION

MAXIMUM FRAME	DP	IMPACT
72" x 72"	+35/-40	NO

**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 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 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. 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 2018 International Building Code (IBC), and 2018 International Residential Code (IRC).
2. All glazing shall conform to ASTM E1300.
3. Use structural or composite shims where required.
4. Masonry strap specification: 20 Ga. galvanized steel, .096" min. thickness x 1.5" width x 6" length.

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](http://www.jeld-wen.com).

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*Joseph A. Reed*

2020.08.17 09:06:04 -04'00'

**JOSEPH A. REED, P.E.**  
Texas No. 100777  
5 Leigh Drive  
York, PA. 17406  
(717) 846-1200

DATE:  
01/22/2020

DRAWN BY:  
J.HAWKINS

SCALE:  
NTS

CHECKED BY:  
D.BELAU

TITLE:

APPROVED BY:  
K.BATH

RECORD No:  
D015608-1

REPORT No:  
NCTL-310-19-122

**JELD-WEN**

3737 LAKEPORT BLVD.  
KLAMATH FALLS OR, 97601  
PHONE: (800) 535-3936

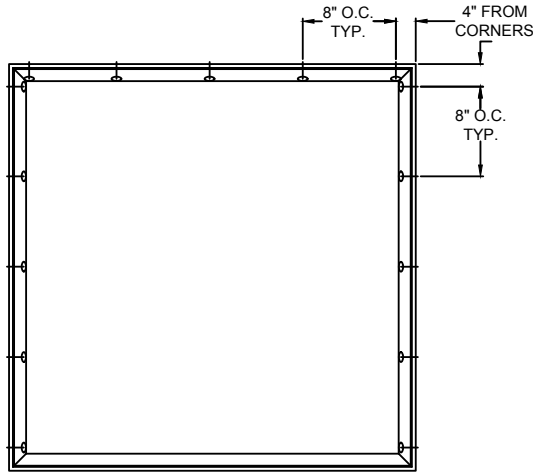
Auraline Composite Stationary Casement Window

CAD DWG. No.:  
AuralNSCsmtSta Cert

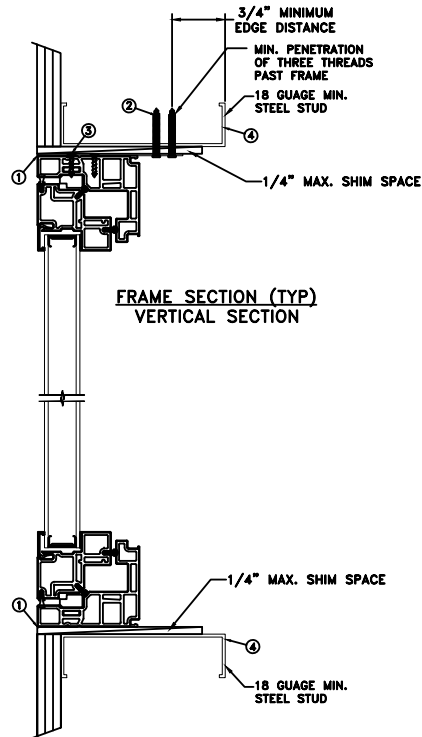
REV: A

SHEET 7 of 9

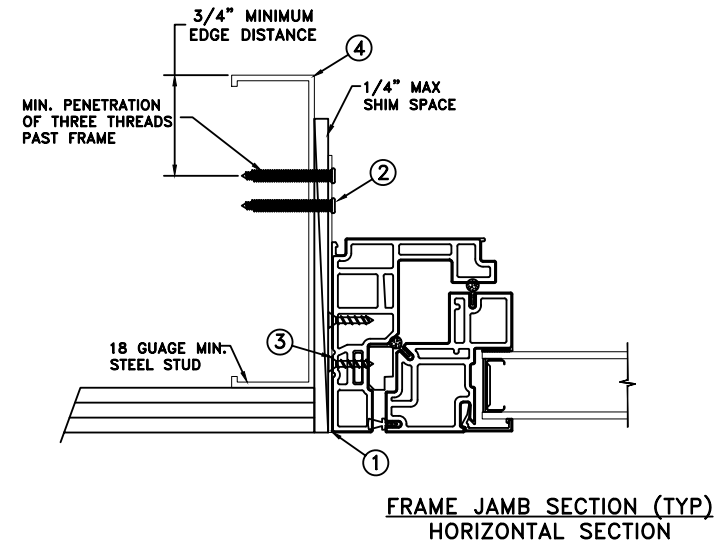
MASONRY STRAP  
STEEL/SCREW INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



FRAME SECTION (TYP)  
VERTICAL SECTION



FRAME JAMB SECTION (TYP)  
HORIZONTAL SECTION

MAXIMUM FRAME	DP	IMPACT
72" x 72"	+35/-40	NO

**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 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., fy = 33 ksi.
3. Use 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. 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 2018 International Building Code (IBC), and 2018 International Residential Code (IRC).
2. All glazing shall conform to ASTM E1300.
3. Use structural or composite shims where required.
4. Masonry strap specification: 20 Ga. galvanized steel, .096" min. thickness x 1.5" width x 6" length.

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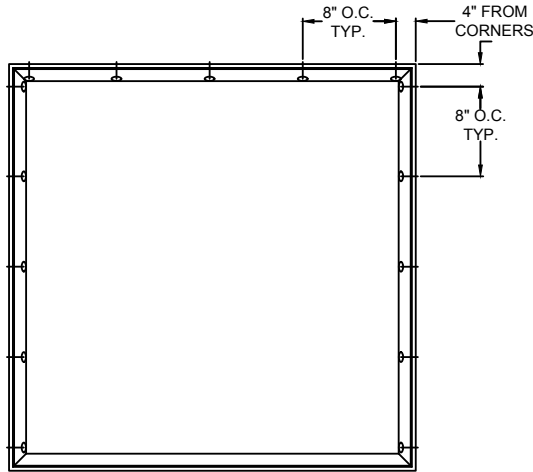
2020.08.17 09:06:04 -04'00'

**JOSEPH A. REED, P.E.**  
Texas No. 100777  
5 Leigh Drive  
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(717) 846-1200

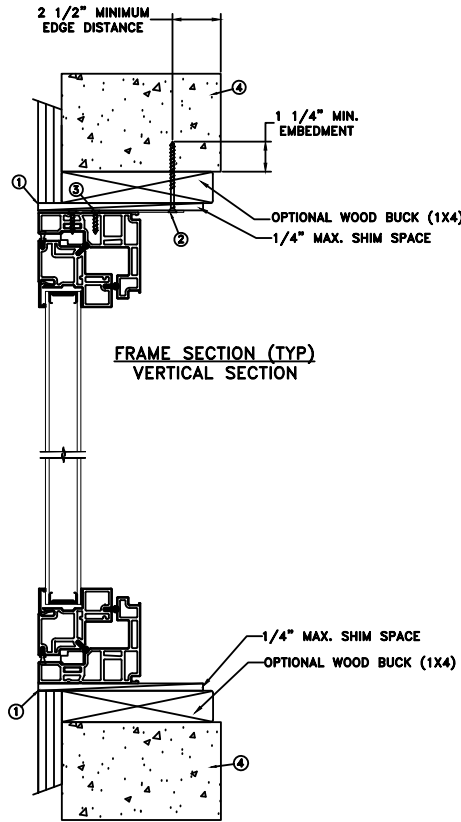
DATE: 01/22/2020		3737 LAKEPORT BLVD. KLAMATH FALLS OR, 97601 PHONE: (800) 535-3936
DRAWN BY: J.HAWKINS		SCALE: NTS
CHECKED BY: D.BELAU	TITLE: Auraline Composite Stationary Casement Window	
APPROVED BY: K.BATH	RECORD No: D015608-1	
REPORT No: NCTL-310-19-122	CAD DWG. No.: AuralINSCsmtSta Cert	REV: A SHEET 8 of 9



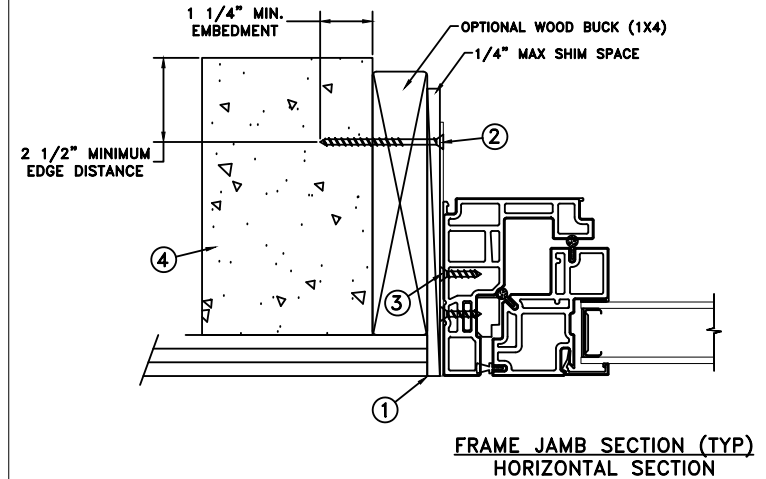
MASONRY STRAP CONCRETE  
SCREW INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



FRAME SECTION (TYP)  
VERTICAL SECTION



FRAME JAMB SECTION (TYP)  
HORIZONTAL SECTION

MAXIMUM FRAME	DP	IMPACT
72" x 72"	+35/-40	NO

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 1 - 3/16" Tapcons 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 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. 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 2018 International Building Code (IBC), and 2018 International Residential Code (IRC).
2. All glazing shall conform to ASTM E1300.
3. Use structural or composite shims where required.
4. Masonry strap specification: 20 Ga. galvanized steel, .096" min. thickness x 1.5" width x 6" length.

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](http://www.jeld-wen.com).

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NTS

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TITLE:

APPROVED BY:  
K.BATH

Auraline Composite Stationary Casement Window

RECORD No:  
D015608-1

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**JELD-WEN**

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