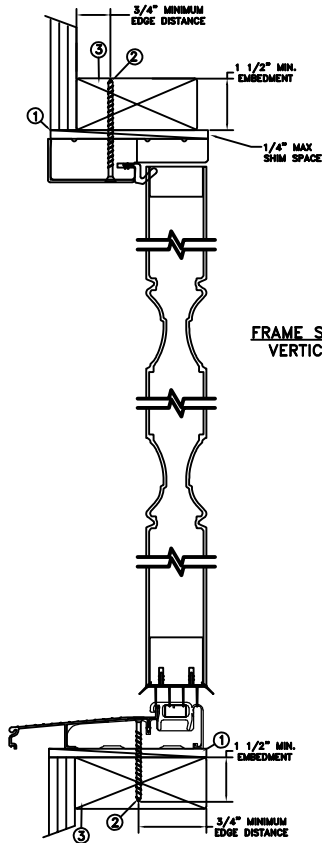
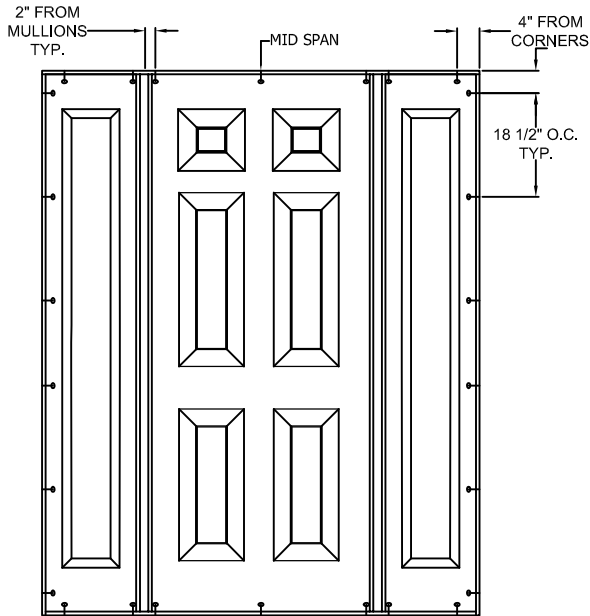
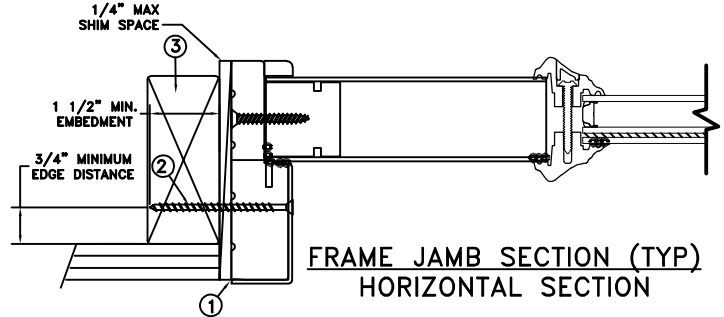


**THROUGH FRAME
INSTALLATION**



FRAME SECTION (TYP)
VERTICAL SECTION



FRAME JAMB SECTION (TYP)
HORIZONTAL SECTION

| | | |
|----------------------|-----------|---------------|
| MAXIMUM FRAME | DP | IMPACT |
| 78-1/16" x 97-13/16" | +50/-55 | YES |

WZ3, MISSILE LEVEL D

Installation Notes:

1. Seal flange/frame to substrate. Sill shall be set on a continuous serpentine bead of structural grade silicone caulk (typ.).
2. Use #8 PPH 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 #8 x 2" SFH or greater fastener through the threshold 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)
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.

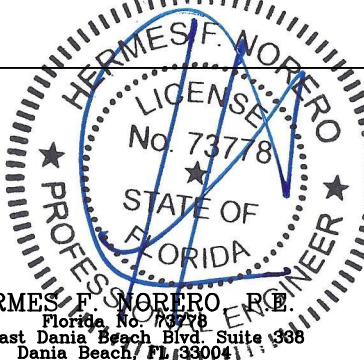
General Notes:

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 Florida Building Code (FBC) and the industry requirement for the stated conditions.
2. All glazing shall conform to ASTM E1300.
3. At minimum, glazing is 3.2mm annealed - 13.5mm airspace - 3.2mm annealed - 2.3mm PVB Interlayer by Kurraray - 3.2mm annealed insulated glass.
4. 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.

DISCLAIMER:

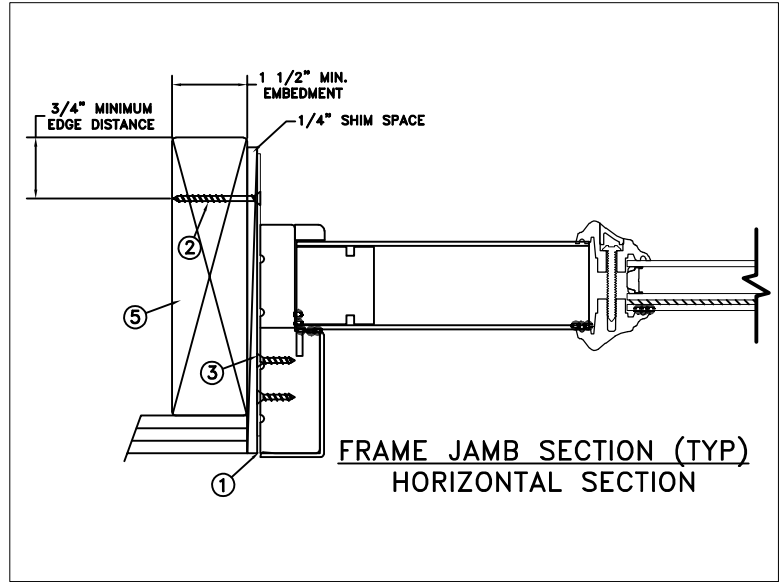
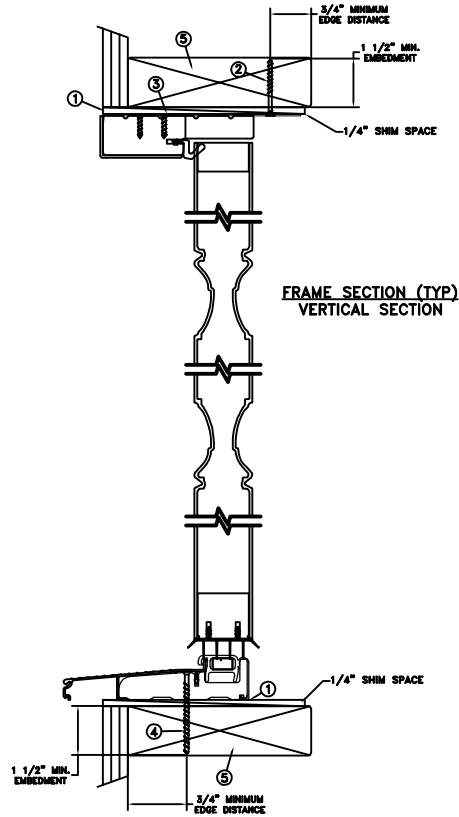
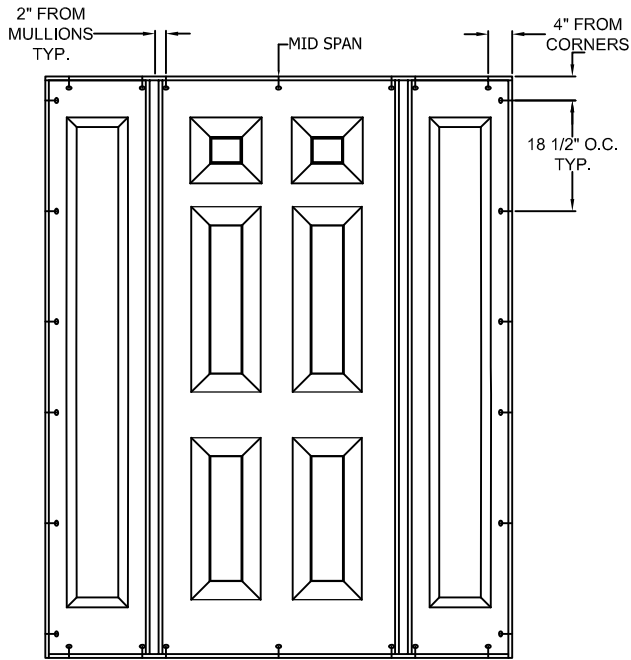
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 Dania Beach, FL 33004

| | | |
|--------------------------------------|---|---|
| | DATE: 05/01/18 | JELD-WEN 3737 LAKEPORT BLVD. KLAMATH FALLS OR, 97601 PHONE: (800) 535-3936 |
| DRAWN BY: A. MCMILLAN | SCALE: NTS | |
| CHECKED BY: D. VEZO | TITLE: ARCHITECTURAL FIBERGLASS INSWING OXO OPAQUE IMPACT | |
| APPROVED BY: D. VEZO | | |
| PART/PROJECT No.: | | |
| D015327 | | |
| IDENTIFIER No. H9982.12-301-47 R0 | CAD DWG. No.: | REV: A SHEET 1 of 5 |
| | DRAWING NAME | |

MASONRY STRAP INSTALLATION



| MAXIMUM FRAME | DP | IMPACT |
|----------------------|---------|--------|
| 78-1/16" x 97-13/16" | +50/-55 | YES |

WZ3, MISSILE LEVEL D

Installation Notes:

1. Seal flange/frame to substrate.
2. Use 2 - #8 PFH or larger fasteners through masonry strap with sufficient length to penetrate a minimum of 1 1/2" into the masonry or buck.. For concrete (min. fc = 2000 psi) or masonry substrate (CMU shall adhere to 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. Use #8 x 2" SFH or greater fastener through the threshold 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)
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.

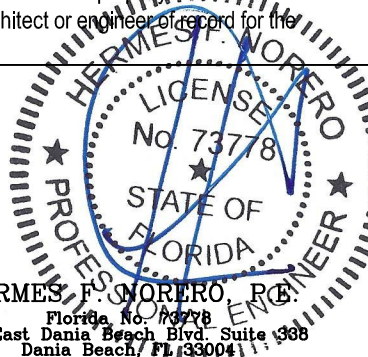
General Notes:

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 Florida Building Code (FBC) and the industry requirement for the stated conditions.
2. All glazing shall conform to ASTM E1300.
3. At minimum, glazing is 3.2mm annealed - 13.5mm airspace - 3.2mm annealed - 2.3mm PVB Interlayer by Kurraray - 3.2mm annealed insulated glass.
4. 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.

DISCLAIMER:

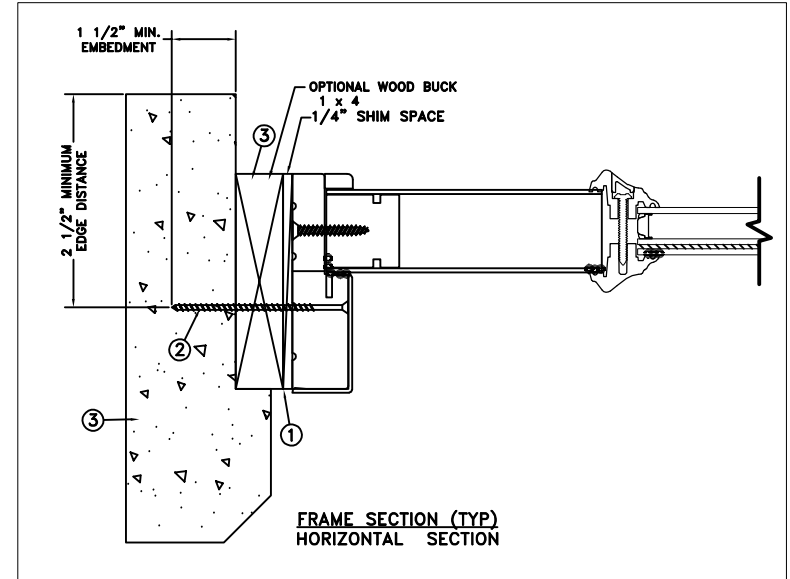
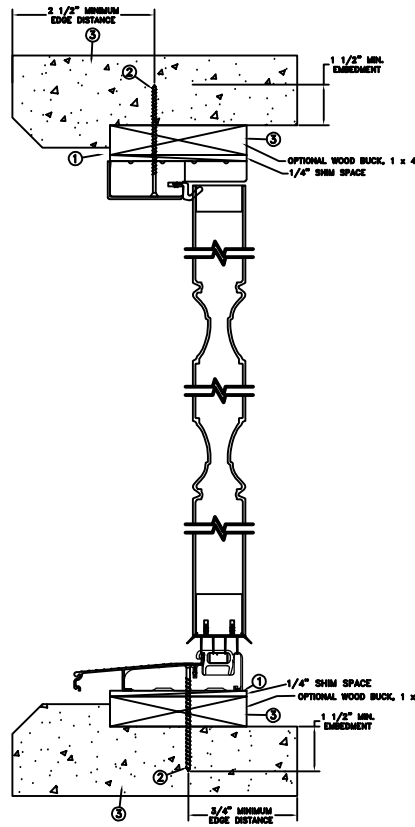
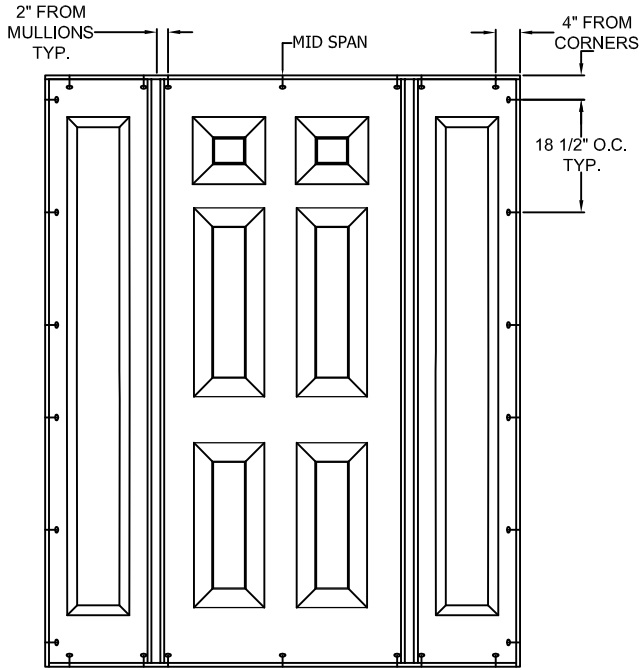
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| DRAWN BY: A. MCMILLAN | SCALE: NTS | |
| CHECKED BY: D. VEZO | TITLE: ARCHITECTURAL FIBERGLASS INSWING OXO OPAQUE IMPACT | |
| APPROVED BY: D. VEZO | | |
| PART/PROJECT No.: D015327 | | |
| IDENTIFIER No. H9982.12-301-47 R0 | CAD DWG. No.: DRAWING NAME | REV: A SHEET 2 OF 5 |

THROUGH FRAME
INSTALLATION



| MAXIMUM FRAME | DP | IMPACT |
|----------------------|---------|--------|
| 78-1/16" x 97-13/16" | +50/-55 | YES |

WZ3, MISSILE LEVEL D

Installation Notes:

1. Seal flange/frame to substrate. Sill shall be set on a continuous serpentine bead of structural grade silicone caulk (typ.).
2. Use 3/16" Elco Tapcon or equivalent fasteners through frame with sufficient length to penetrate a minimum of 1 1/2" into concrete or masonry at each location with a 2 1/2" min. from edge distance. For concrete (min. fc = 2000 psi) or masonry substrate (CMU shall adhere to 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.

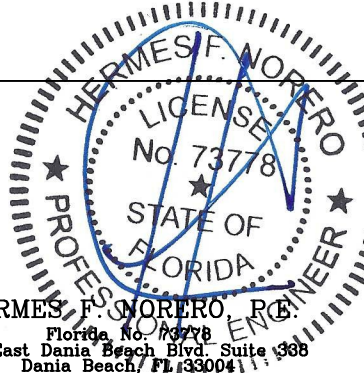
General Notes:

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 Florida Building Code (FBC) and the industry requirement for the stated conditions.
2. All glazing shall conform to ASTM E1300.
3. At minimum, glazing is 3.2mm annealed - 13.5mm airspace - 3.2mm annealed - 2.3mm PVB Interlayer by Kurraray - 3.2mm annealed insulated glass.
4. 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.

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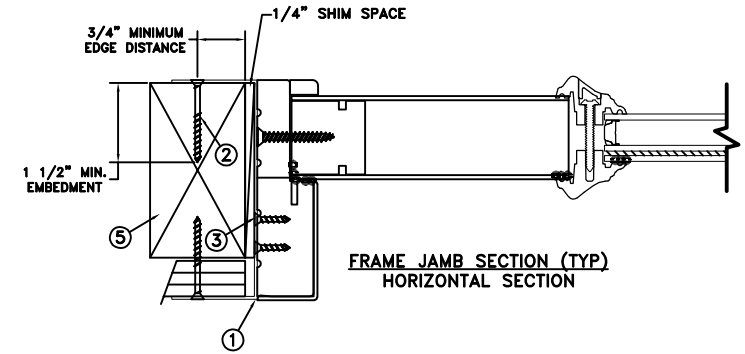
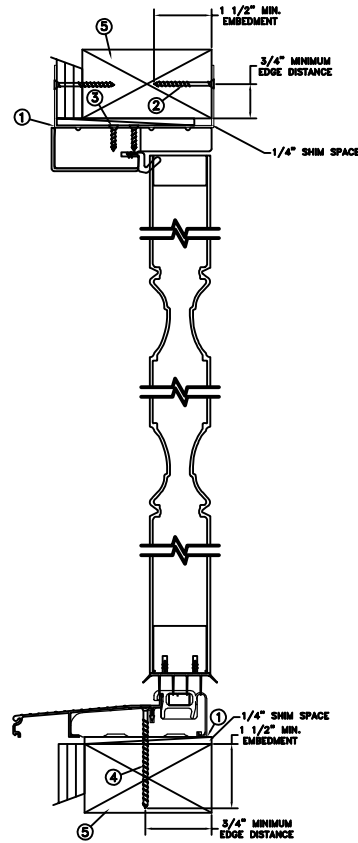
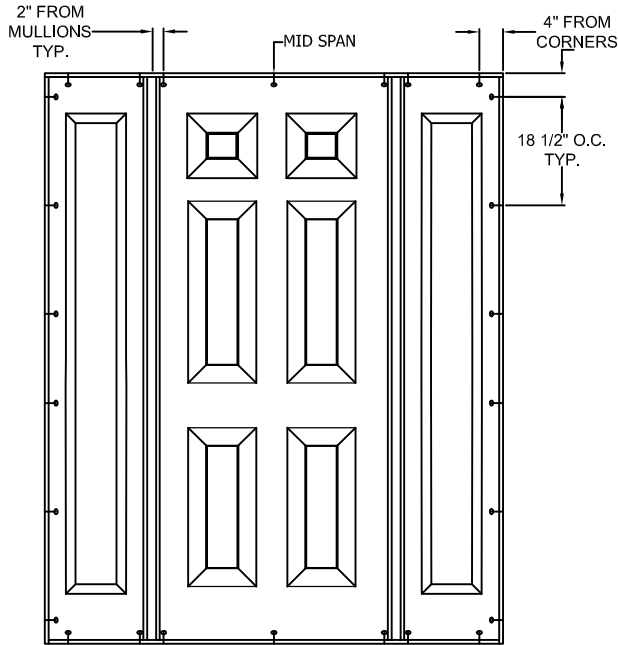
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| | | |
|--------------------------------------|---|---|
| DATE: 05/01/18 | | 3737 LAKEPORT BLVD. KLAMATH FALLS OR, 97601 PHONE: (800) 535-3936 |
| DRAWN BY: A. MCMILLAN | | SCALE: NTS |
| CHECKED BY: D. VEZO | ARCHITECTURAL FIBERGLASS INSWING OXO OPAQUE IMPACT | |
| APPROVED BY: D. VEZO | | |
| PART/PROJECT No.: D015327 | TITLE: | |
| IDENTIFIER No. H9982.12-301-47 R0 | CAD DWG. No.: DRAWING NAME | REV: A SHEET 3 OF 5 |

MASONRY STRAP INSTALLATION



| | | |
|----------------------|---------|--------|
| MAXIMUM FRAME | DP | IMPACT |
| 78-1/16" x 97-13/16" | +50/-55 | YES |
| WZ3, MISSILE LEVEL D | | |

Installation Notes:

1. Seal flange/frame to substrate.
2. Use min. 2 - #8 PPH or larger fasteners through masonry strap with sufficient length to penetrate a minimum of 1 1/2" into the buck. Bend straps around both sides of the buck.
3. Use min. 2 - #8 PPH or larger fasteners through masonry strap into jamb without penetrating through the jamb into product causing visibility or collateral damage to product.
4. Use #8 x 2" SFH or greater fastener through the threshold 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)
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.

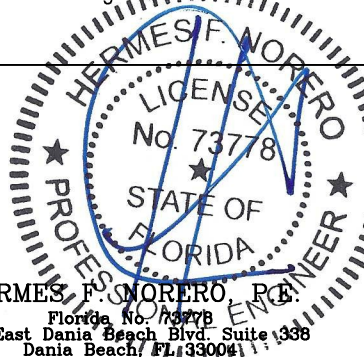
General Notes:

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2. All glazing shall conform to ASTM E1300.
3. At minimum, glazing is 3.2mm annealed - 13.5mm airspace - 3.2mm annealed - 2.3mm PVB Interlayer by Kurraray - 3.2mm annealed insulated glass.
4. 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.

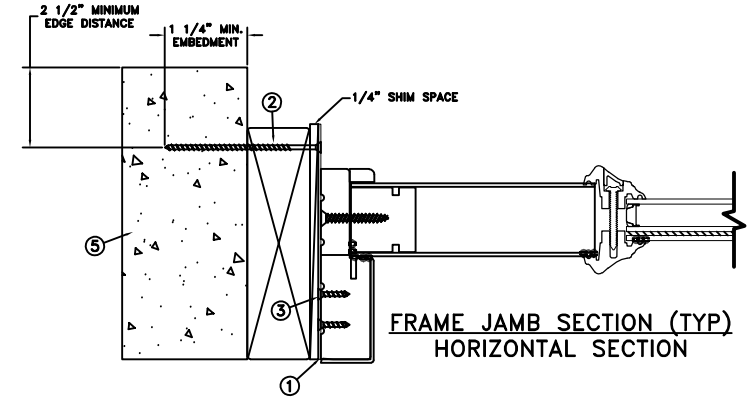
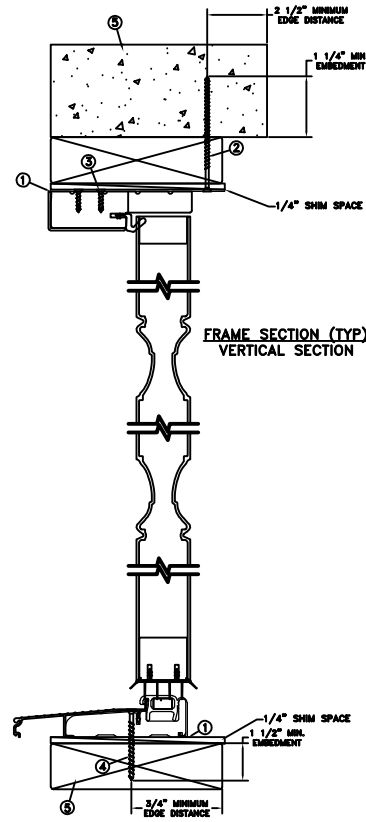
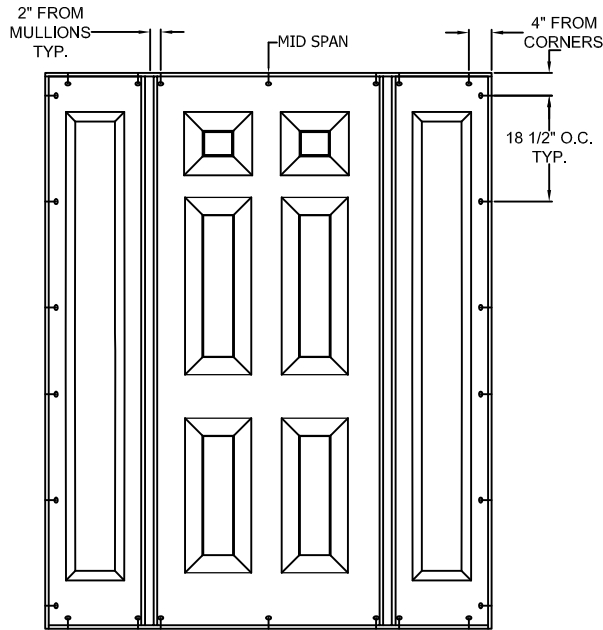
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| DRAWN BY: A. MCMILLAN | SCALE: NTS | |
| CHECKED BY: D. VEZO | ARCHITECTURAL FIBERGLASS INSWING OXO OPAQUE IMPACT | |
| APPROVED BY: D. VEZO | | |
| PART/PROJECT No.: | IDENTIFIER No. H9982.12-301-47 R0 | |
| D015327 | | |
| CAD DWG. No.: | REV: A | SHEET 4 OF 5 |
| DRAWING NAME | | |

MASONRY STRAP INSTALLATION



| MAXIMUM FRAME | DP | IMPACT |
|----------------------|---------|--------|
| 78-1/16" x 97-13/16" | +50/-55 | YES |

WZ3, MISSILE LEVEL D

Installation Notes:

1. Seal flange/frame to substrate.
2. Use 3/16" Elco Tapcon or equivalent fasteners through masonry strap with sufficient length to penetrate a minimum of 1 1/2" into concrete or masonry at each location with a 2 1/2" min. from edge distance. For concrete (min. fc = 2000 psi) or masonry substrate (CMU shall adhere to ASTM C90)..
3. Use min. 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 #8 x 2" SFH or greater fastener through the threshold 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)
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.

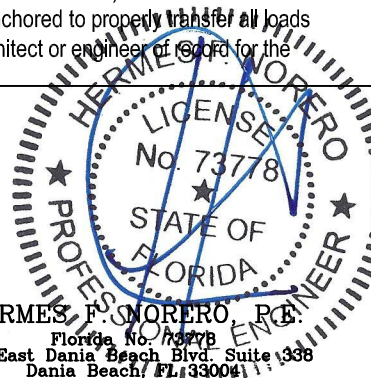
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2. All glazing shall conform to ASTM E1300.
3. At minimum, glazing is 3.2mm annealed - 13.5mm airspace - 3.2mm annealed - 2.3mm PVB Interlayer by Kurraray - 3.2mm annealed insulated glass.
4. Use structural or composite shims where required.

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| DRAWN BY: | A. MCMILLAN | | SCALE: |
| CHECKED BY: | D. VEZO | TITLE: | ARCHITECTURAL FIBERGLASS INSWING OXO OPAQUE |
| APPROVED BY: | D. VEZO | | IMPACT |
| PART/PROJECT No.: | D015327 | | |
| IDENTIFIER No.: | H9982.12-301-47 R0 | CAD DWG. No.: | DRAWING NAME |
| | | REV: | A |
| | | SHEET | 5 OF 5 |