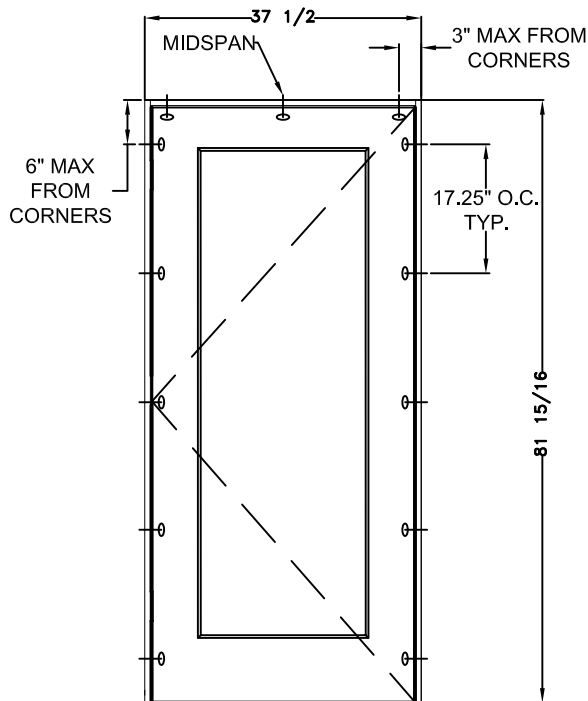
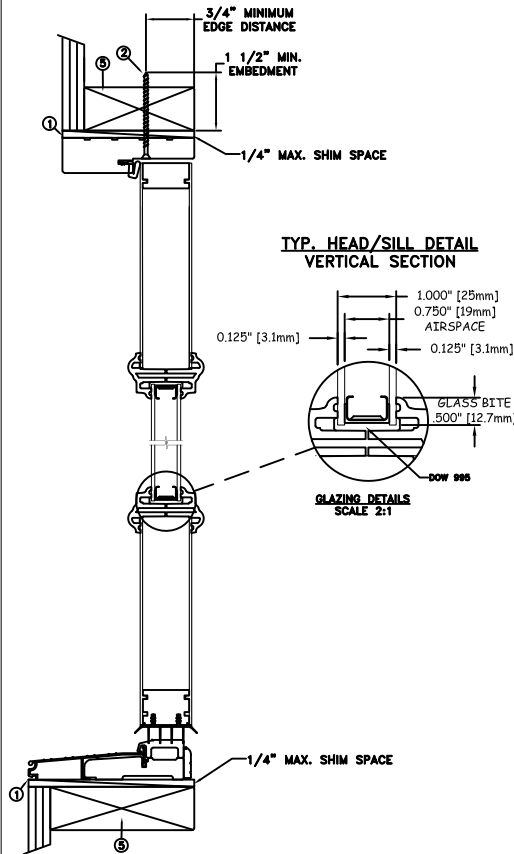
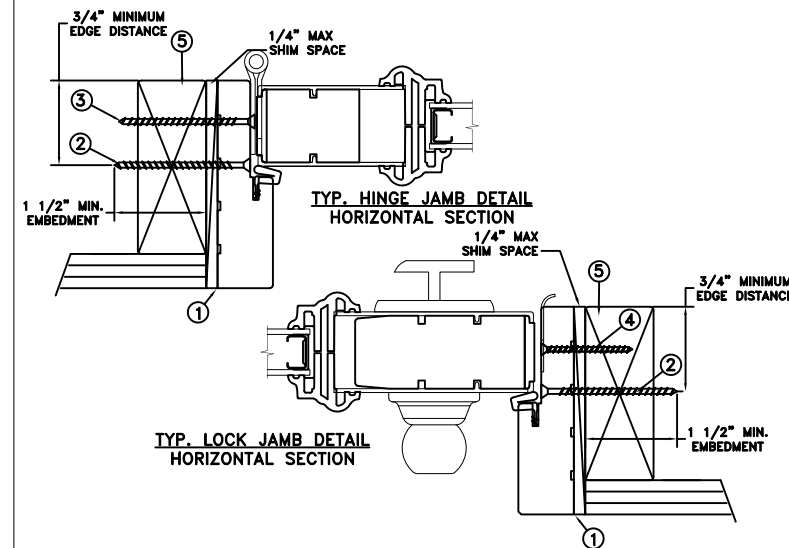




TYPICAL ELEVATION WITH FASTENER SPACING



THROUGH FRAME INSTALLATION



MAXIMUM FRAME	DP	IMPACT
37.5 x 81.9375	+50/-50	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 #10 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. = 0.55).
3. Install one (1) - #9 x 2-1/2" PH fastener through each hinge plate into rough opening.
4. Install three (3) - #8 x 2" PH fasteners into latch strike plate through the jamb into the rough opening.
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:

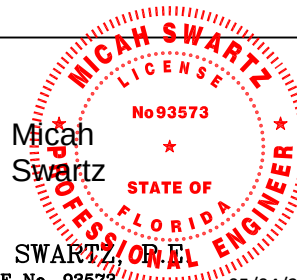
1. The product shown herein is designed, tested and manufactured to comply with the wind load criteria of the adopted International Building Code (IBC), the International Residential Code (IRC), the current Florida Building Code (FBC) and the industry requirement for the stated conditions.
2. All glazing shall conform to ASTM E1300.
3. Glazing is 3.1mm tempered - 19.0mm airspace - 3.1mm tempered glass.
4. Use structural or composite shims where required.

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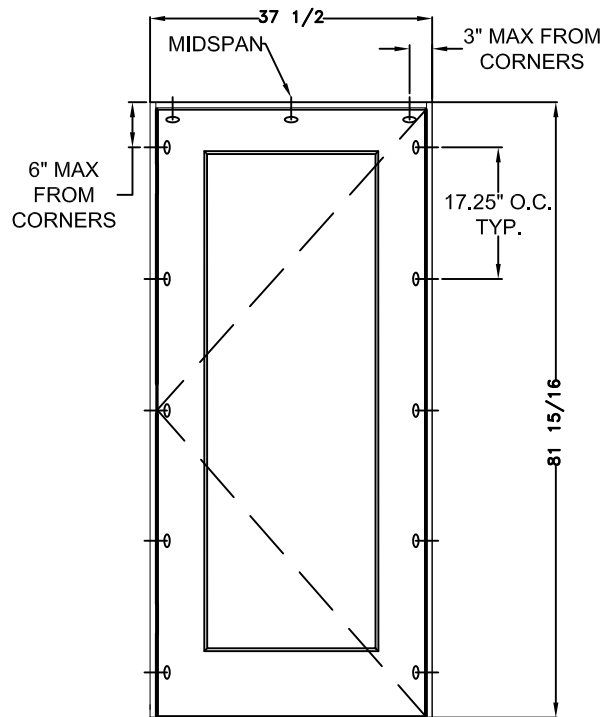


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(541) 363-8075

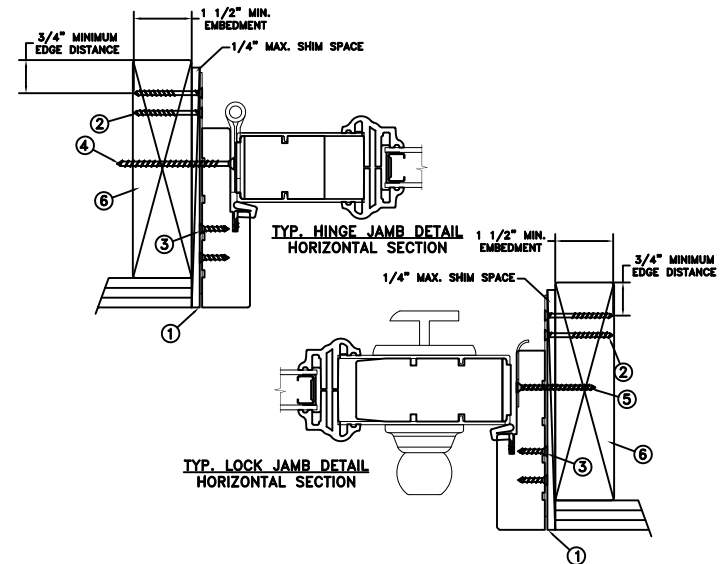
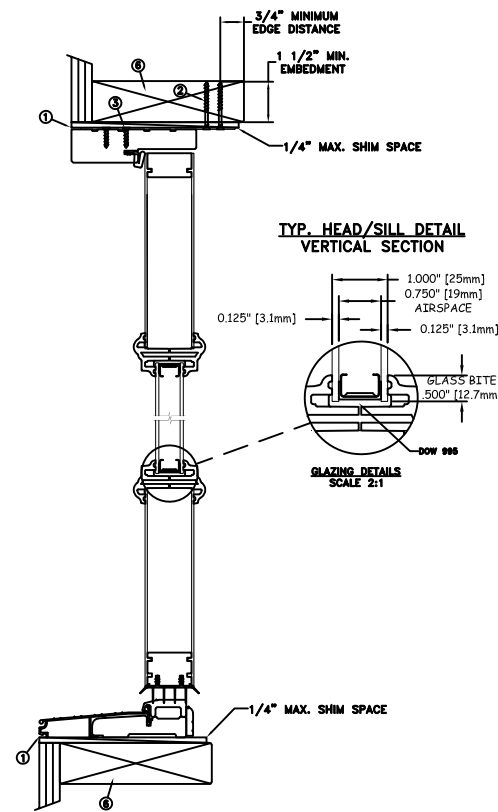
05/04/25

	DATE: 04/07/2025	JELD-WEN 3737 LAKEPORT BLVD. KLAMATH FALLS OR, 97601 PHONE: (800) 535-3936
DRAWN BY: M.HAM	SCALE: NTS	
CHECKED BY: D.Vezo	TITLE: Design Pro/Smooth Pro (F-3500) Fiberglass Swinging Door Inswing 1 Panel	
APPROVED BY: D.Vezo		
RECORD No.: D1000180		
REPORT No. NCTL-210-3916-02	CAD DWG. No.: D015687	REV: B SHEET 1 of 20

MASONRY STRAP INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



MAXIMUM FRAME	DP	IMPACT
37.5 x 81.9375	+50/-50	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 two (2) - #10 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. = 0.55).
3. Use two (2) - #10 PFH or larger fasteners through masonry strap into jamb without penetrating through the jamb into product causing visibility or collateral damage to product.
4. Install one (1) - #9 x 2-1/2" PH fastener through each hinge plate into rough opening.
5. Install three (3) - #8 x 2" PH fasteners into latch strike plate through the jamb into the rough opening.
6. 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:

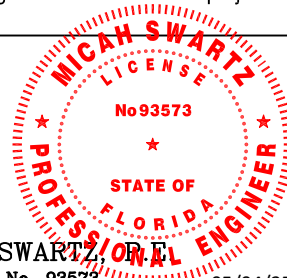
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2. All glazing shall conform to ASTM E1300.
3. Glazing is 3.1mm tempered - 19.0mm airspace - 3.1mm tempered glass.
4. Use structural or composite shims where required.
5. Masonry strap specifications: 20 Ga, galvanized steel, .036" min. thickness x 1.5" min. width.

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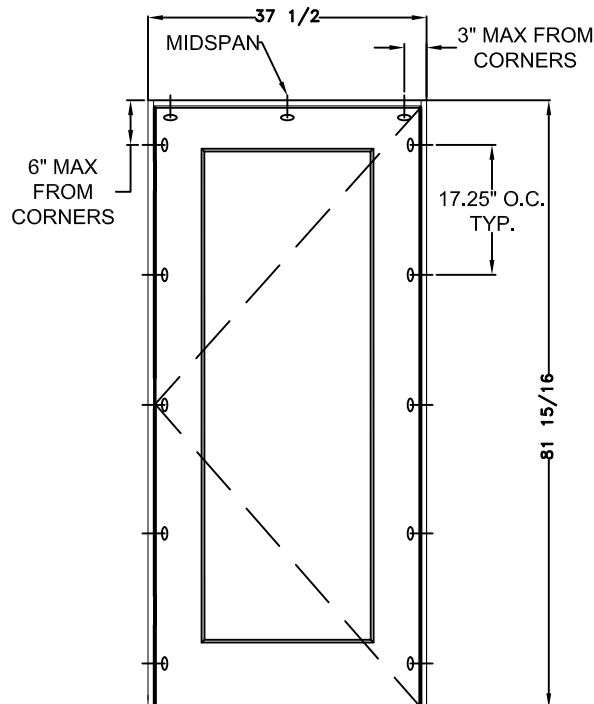


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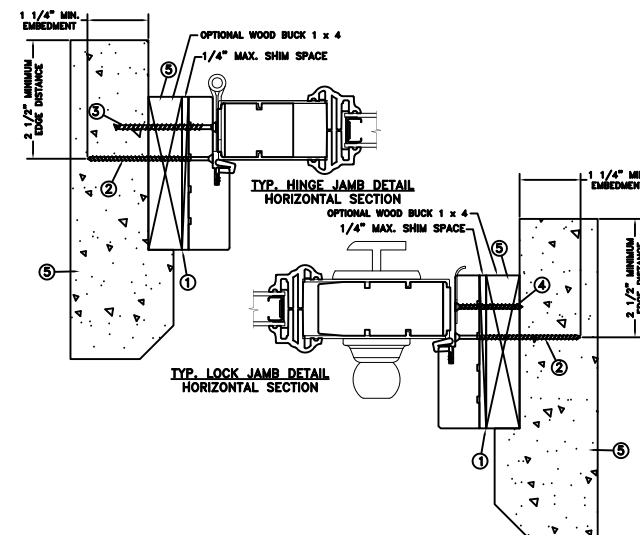
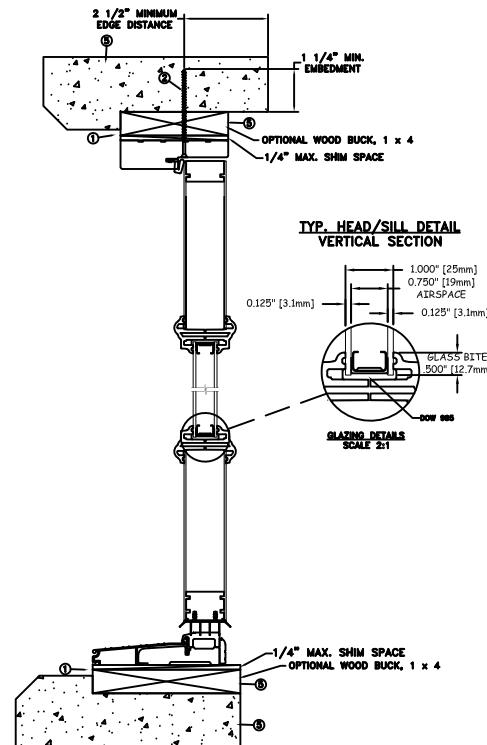
05/04/25

DATE: 04/07/2025	JELD-WEN 3737 LAKEPORT BLVD. KLAMATH FALLS OR, 97601 PHONE: (800) 535-3936
SCALE: NTS	
DRAWN BY: M.HAM	TITLE: Design Pro/Smooth Pro (F-3500) Fiberglass Swinging Door Inswing 1 Panel
CHECKED BY: D.VEZO	
APPROVED BY: D.VEZO	
RECORD No.: D1000180	
REPORT No. NCTL-210-3916-02	CAD DWG. No.: D015687
	REV: B SHEET 2 of 20

CONCRETE/MASONRY INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



MAXIMUM FRAME	DP	IMPACT
37.5 x 81.9375	+50/-50	NO

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 1/4" tapcon or equivalent fasteners through frame 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 adhere to ASTM C90).
- Install one (1) - 1/4" tapcon through each hinge plate with 1-1/4" min. embedment into concrete or masonry.
- Install one (1) - 1/4" tapcon through latch strike plate with 1-1/4" min. embedment into concrete or masonry.
- 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:

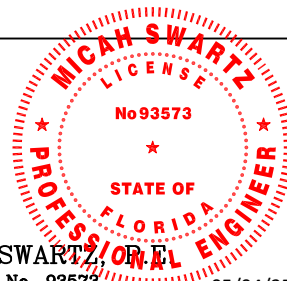
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- All glazing shall conform to ASTM E1300.
- Glazing is 3.1mm tempered - 19.0mm airspace - 3.1mm tempered glass.
- Use structural or composite shims where required.

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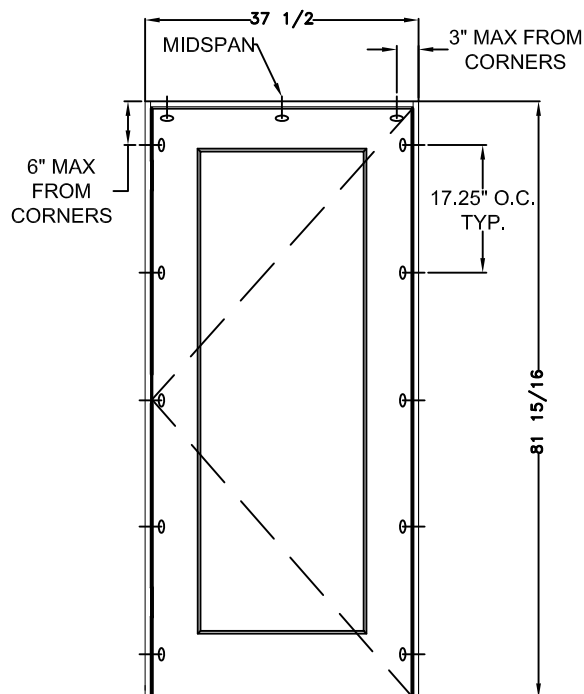
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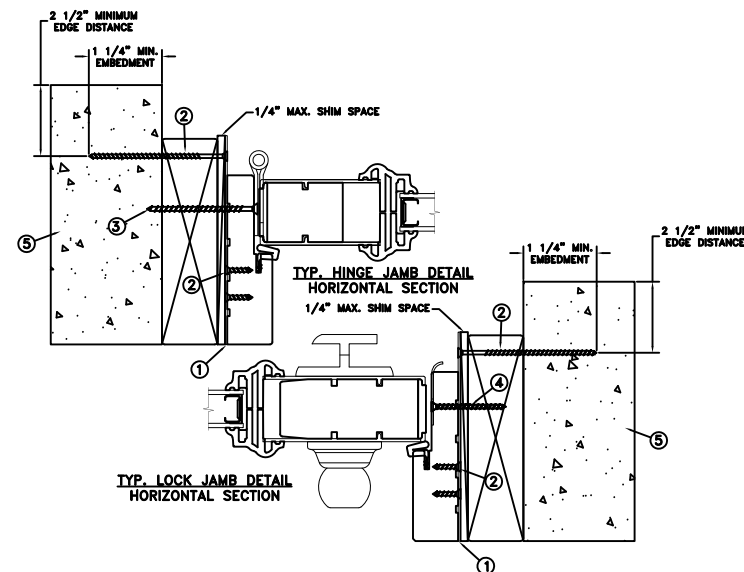
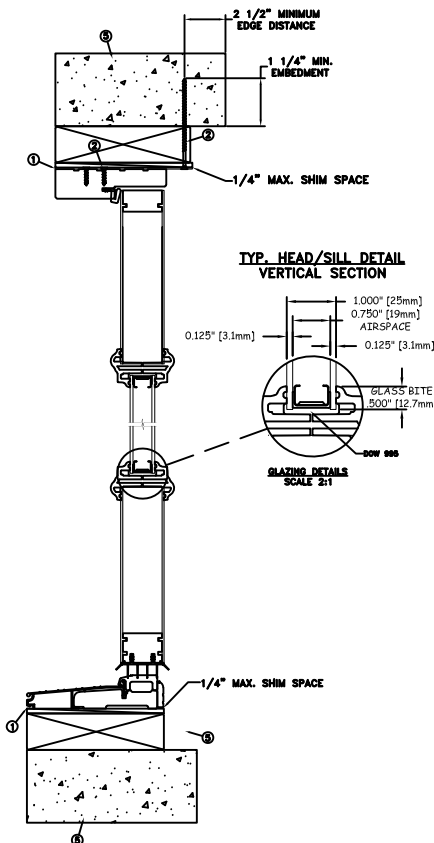
MICAH SWARTZ, P.E.
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(541) 363-8075
05/04/25

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DRAWN BY: M.HAM	
CHECKED BY: D.VEZO	TITLE: Design Pro/Smooth Pro (F-3500) Fiberglass Swinging Door Inswing 1 Panel
APPROVED BY: D.VEZO	
RECORD No.: D1000180	
REPORT No. NCTL-210-3916-02	CAD DWG. No.: D015687
	REV: B SHEET 3 of 20

CONCRETE/MASONRY INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



MAXIMUM FRAME	DP	IMPACT
37.5 x 81.9375	+50/-50	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 one (1) - 1/4" Tapcon or equivalent fasteners through strap 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. Use two (2) - #10 PFH fasteners through masonry strap into frame. For concrete (min. fc = 3000 psi) or masonry substrate (CMU shall adhere to ASTM C90).
3. Install one (1) - 1/4" tapcon through each hinge plate with 1-1/4" min. embedment into concrete masonry.
4. Install one (1) - 1/4" tapcon through latch strike plate with 1-1/4" min. embedment into concrete or masonry.
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. Glazing is 3.1mm tempered - 19.0mm airspace - 3.1mm tempered 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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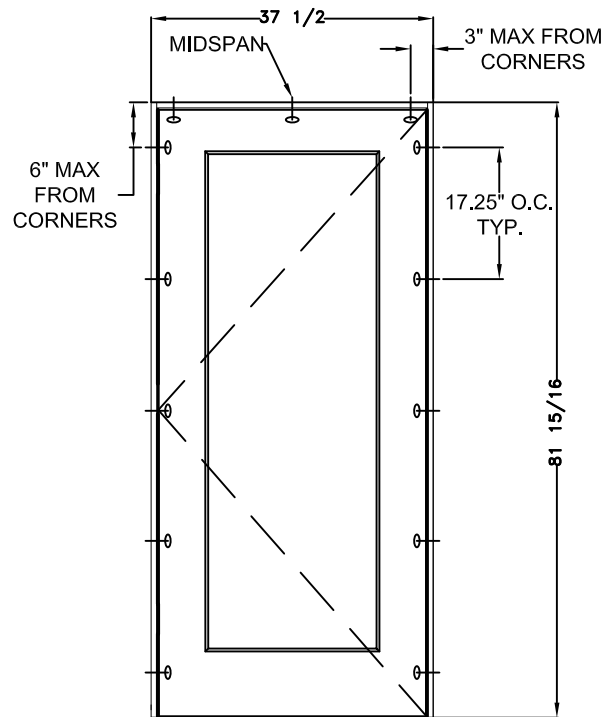
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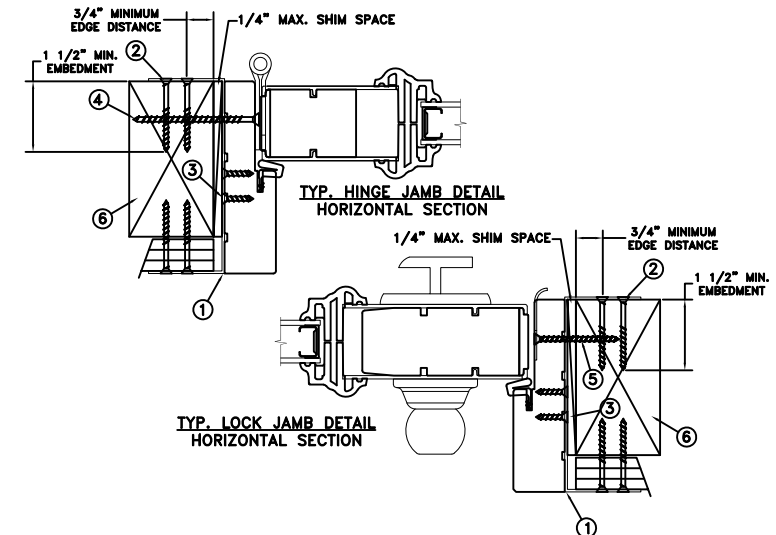
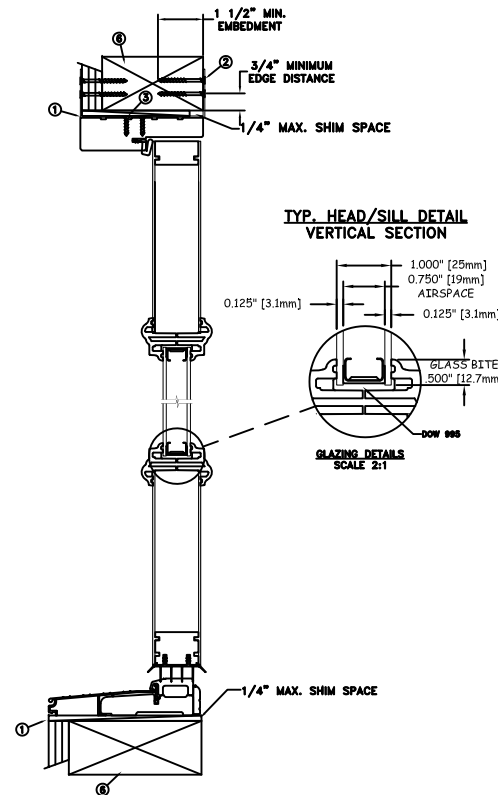
MICAH SWARTZ, P.E.
PROFESSIONAL ENGINEER
 LICENSE No 93573
 STATE OF FLORIDA
 PE No. 93573
 5134 Cambridge Ct.
 Klamath Falls, OR. 97603
 (541) 363-8075
 05/04/25

DATE: 04/07/2025	JELD-WEN 3737 LAKEPORT BLVD. KLAMATH FALLS OR, 97601 PHONE: (800) 535-3936
DRAWN BY: M.HAM	
CHECKED BY: D.VEZO	TITLE: Design Pro/Smooth Pro (F-3500) Fiberglass Swinging Door Inswing 1 Panel
APPROVED BY: D.VEZO	
RECORD No.: D1000180	
REPORT No. NCTL-210-3916-02	CAD DWG. No.: D015687
REV: B	SHEET 4 of 20

MASONRY STRAP INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



MAXIMUM FRAME	DP	IMPACT
37.5 x 81.9375	+50/-50	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 min. two (2) - #10 PFH 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. For 2x wood frame substrate (min. S.G. = 0.55).
3. Use min. two (2) - #10 PFH or larger fasteners through masonry strap into jamb without penetrating through the jamb into product causing visibility or collateral damage to product.
4. Install one (1) - #9 x 2-1/2" PH fastener through each hinge plate into rough opening.
5. Install three (3) - #8 x 2" PH fasteners into latch strike plate through the jamb into the rough opening.
6. 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:

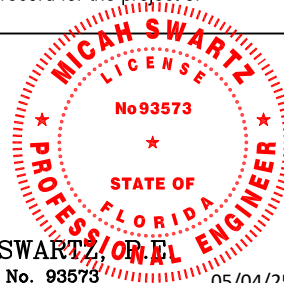
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2. All glazing shall conform to ASTM E1300.
3. Glazing is 3.1mm tempered - 19.0mm airspace - 3.1mm tempered glass.
4. Use structural or composite shims where required.
5. Masonry strap specifications: 20 Ga, galvanized steel, .036" min. thickness x 1.5" min. width.

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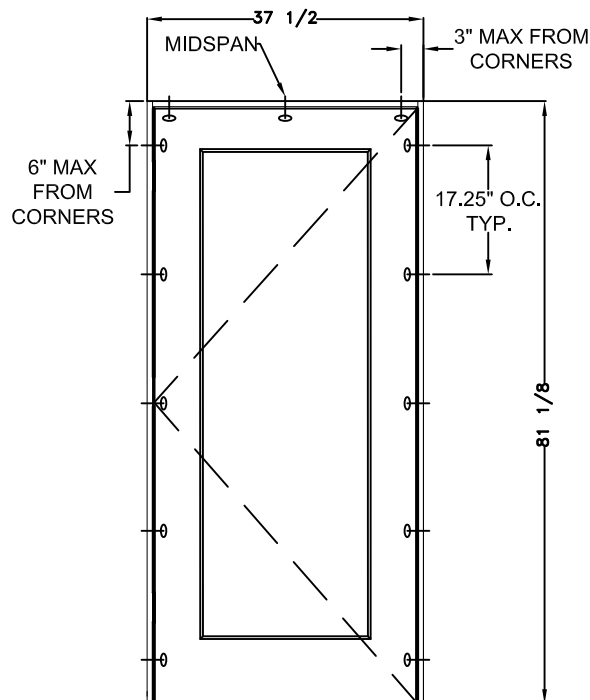
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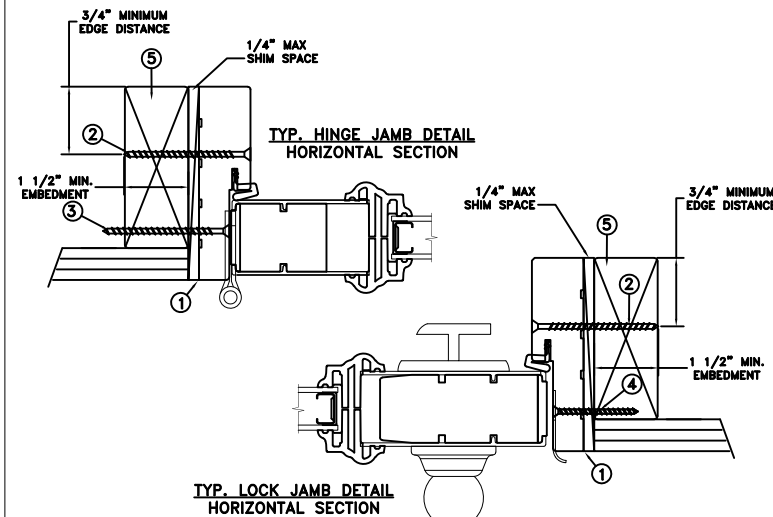
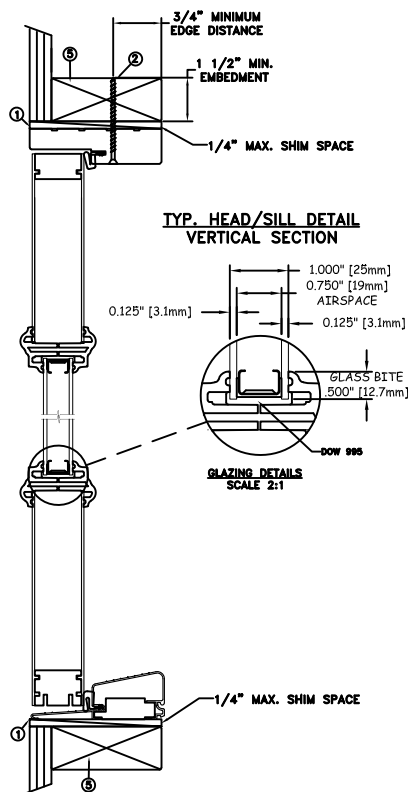
MICAH SWARTZ, P.E.
PE No. 93573
5134 Cambridge Ct.
Klamath Falls, OR. 97603
(541) 363-8075
05/04/25

	DATE: 04/07/2025	JELD-WEN	3737 LAKEPORT BLVD.	
DRAWN BY: M.HAM	SCALE: NTS		KLAMATH FALLS OR, 97601 PHONE: (800) 535-3936	
CHECKED BY: D.Vezo	TITLE: Design Pro/Smooth Pro (F-3500) Fiberglass Swinging Door Inswing 1 Panel			
APPROVED BY: D.Vezo				
RECORD No.: D1000180				
REPORT No. NCTL-210-3916-02		CAD DWG. No.: D015687	REV: B	SHEET 5 of 20

THROUGH FRAME INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



MAXIMUM FRAME	DP	IMPACT
37.5 x 81.125	+50/-50	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 #10 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. = 0.55).
3. Install one (1) - #9 x 2-1/2" PH fastener through each hinge plate into rough opening.
4. Install three (3) - #8 x 2" PH fasteners into latch strike plate through the jamb into the rough opening.
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:

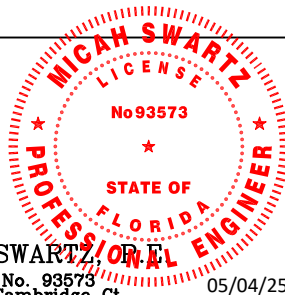
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2. All glazing shall conform to ASTM E1300.
3. Glazing is 3.1mm tempered - 19.0mm airspace - 3.1mm tempered glass.
4. Use structural or composite shims where required.

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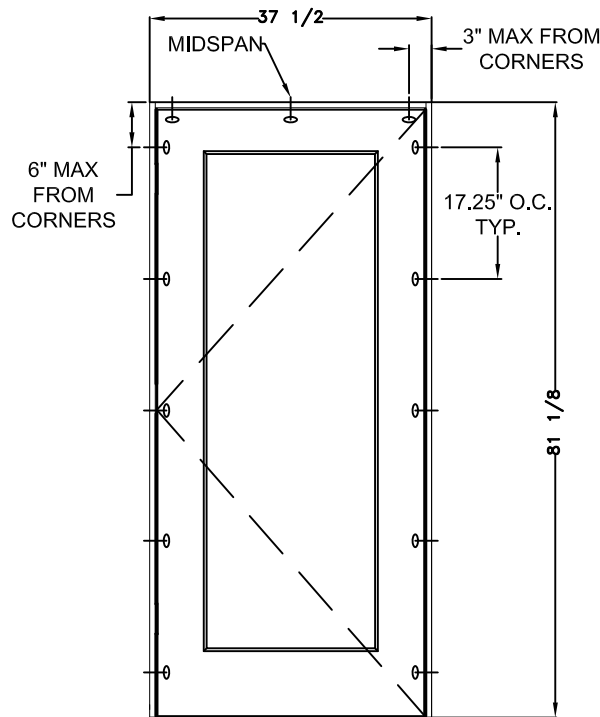
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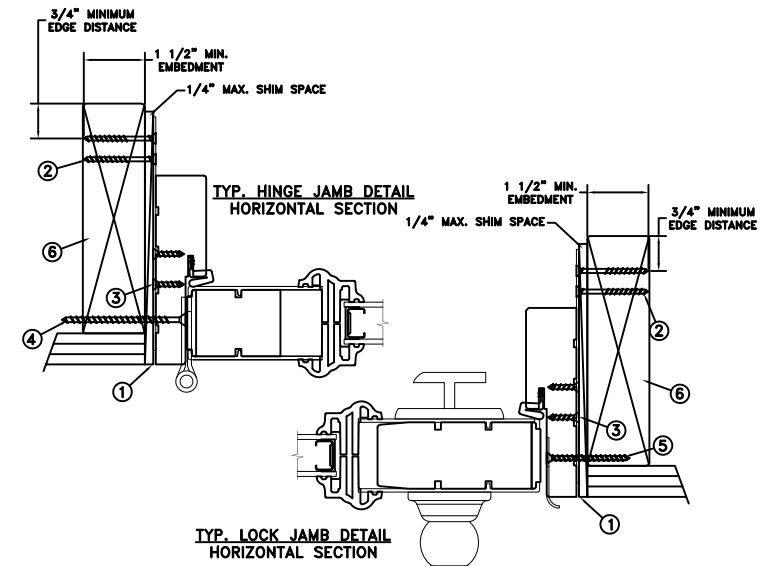
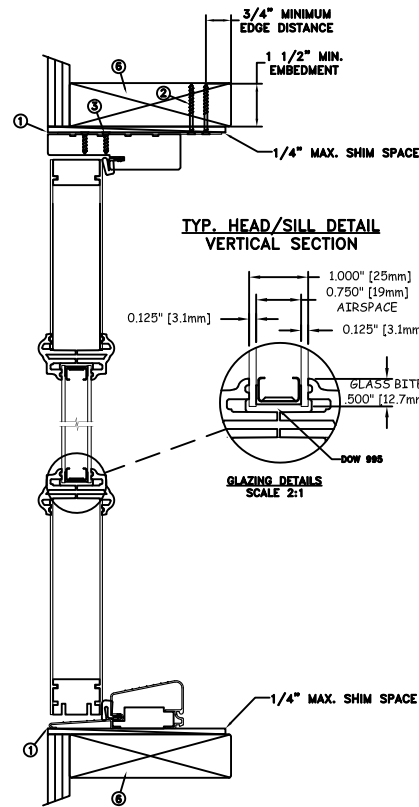
MICAH SWARTZ, P.E.
PE No. 93573
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(541) 363-8075
05/04/25

	DATE: 04/07/2025	JELD-WEN 3737 LAKEPORT BLVD. KLAMATH FALLS OR, 97601 PHONE: (800) 535-3936	
DRAWN BY: M.HAM	SCALE: NTS		
CHECKED BY: D.Vezo	TITLE: Design Pro/Smooth Pro (F-3500) Fiberglass Swinging Door Outswing 1 Panel		
APPROVED BY: D.Vezo			
RECORD No.: D1000180			
REPORT No. NCTL-210-3916-02		CAD DWG. No.: D015687	REV: B SHEET 6 of 20

MASONRY STRAP INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



MAXIMUM FRAME	DP	IMPACT
37.5 x 81.125	+50/-50	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 two (2) - #10 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. = 0.55).
3. Use two (2) - #10 PFH or larger fasteners through masonry strap into jamb without penetrating through the jamb into product causing visibility or collateral damage to product.
4. Install one (1) - #9 x 2-1/2" PH fastener through each hinge plate into rough opening.
5. Install three (3) - #8 x 2" PH fasteners into latch strike plate through the jamb into the rough opening.
6. 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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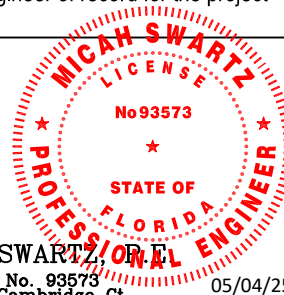
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4. Use structural or composite shims where required.
5. Masonry strap specifications: 20 Ga, galvanized steel, .036" min. thickness x 1.5" min. width.

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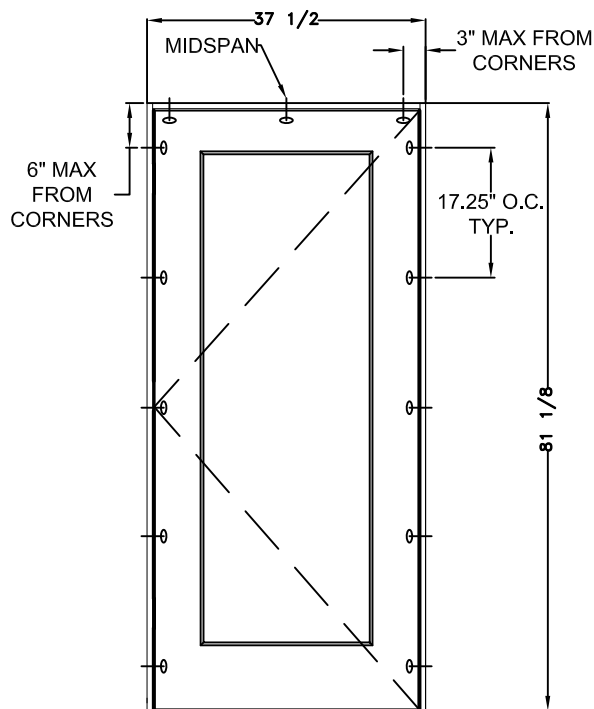
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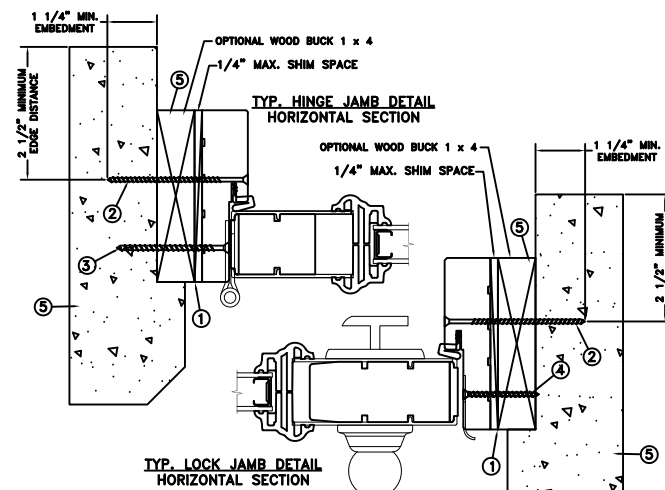
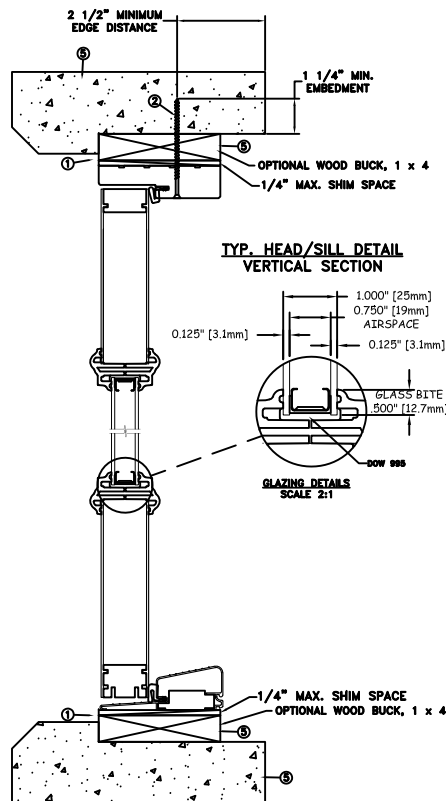
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Klamath Falls, OR. 97603
(541) 363-8075
05/04/25

DATE: 04/07/2025	JELD-WEN 3737 LAKEPORT BLVD. KLAMATH FALLS OR, 97601 PHONE: (800) 535-3936
DRAWN BY: M.HAM	
CHECKED BY: D.VEZO	TITLE: Design Pro/Smooth Pro (F-3500) Fiberglass Swinging Door Outswing 1 Panel
APPROVED BY: D.VEZO	
RECORD No.: D1000180	CAD DWG. No.: D015687
REPORT No. NCTL-210-3916-02	
REV: B	SHEET 7 of 20

CONCRETE/MASONRY INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



MAXIMUM FRAME	DP	IMPACT
37.5 x 81.125	+50/-50	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 1/4" tapcon or equivalent fasteners through frame 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 adhere to ASTM C90).
3. Install one (1) - 1/4" tapcon through each hinge plate with 1-1/4" min. embedment into concrete or masonry.
4. Install one (1) - 1/4" tapcon through latch strike plate with 1-1/4" min. embedment into concrete or masonry.
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:

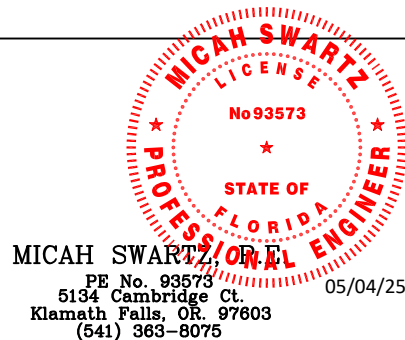
1. The product shown herein is designed, tested and manufactured to comply with the wind load criteria of the adopted International Building Code (IBC), the International Residential Code (IRC), the current Florida Building Code (FBC) and the industry requirement for the stated conditions.
2. All glazing shall conform to ASTM E1300.
3. Glazing is 3.1mm tempered - 19.0mm airspace - 3.1mm tempered glass.
4. Use structural or composite shims where required.

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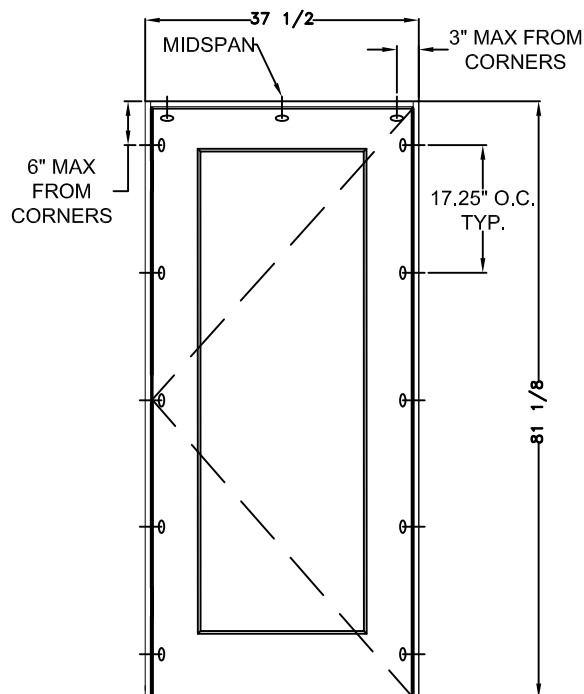
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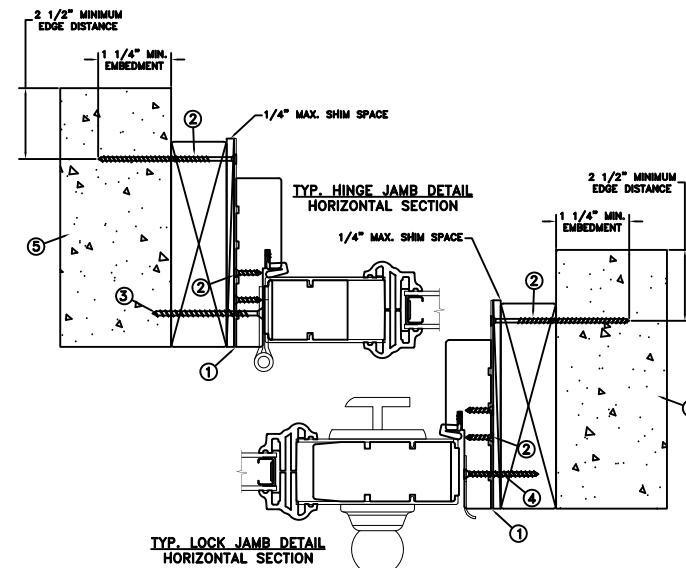
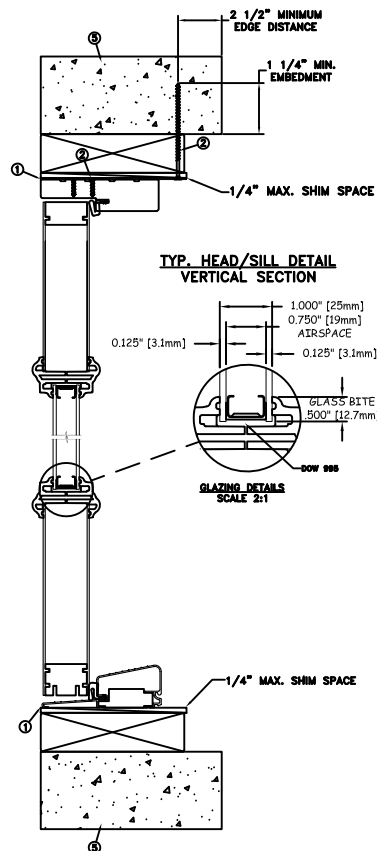


DATE: 04/07/2025	JELD-WEN 3737 LAKEPORT BLVD. KLAMATH FALLS OR, 97601 PHONE: (800) 535-3936
DRAWN BY: M.HAM	
CHECKED BY: D.VEZO	TITLE: Design Pro/Smooth Pro (F-3500) Fiberglass Swinging Door Outswing 1 Panel
APPROVED BY: D.VEZO	
RECORD No.: D1000180	
REPORT No. NCTL-210-3916-02	CAD DWG. No.: D015687
REV: B	SHEET 8 of 20

CONCRETE/MASONRY INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



MAXIMUM FRAME	DP	IMPACT
37.5 x 81.125	+50/-50	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 one (1) - 1/4" Tapcon or equivalent fasteners through strap 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. Use two (2) - #10 PFH fasteners through masonry strap into frame. For concrete (min. fc = 3000 psi) or masonry substrate (CMU shall adhere to ASTM C90).
3. Install one (1) - 1/4" tapcon through each hinge plate with 1-1/4" min. embedment into concrete masonry.
4. Install one (1) - 1/4" tapcon through latch strike plate with 1-1/4" min. embedment into concrete or masonry.
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:

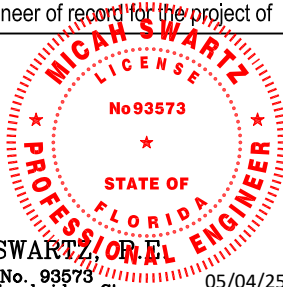
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2. All glazing shall conform to ASTM E1300.
3. Glazing is 3.1mm tempered - 19.0mm airspace - 3.1mm tempered glass.
4. Use structural or composite shims where required.
5. Masonry strap specifications: 20 Ga, galvanized steel, .036" min. thickness x 1.5" min. width.

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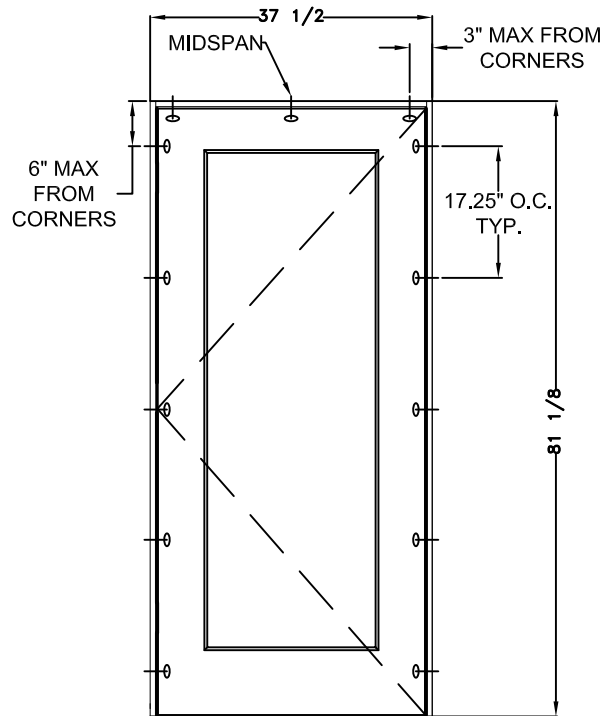
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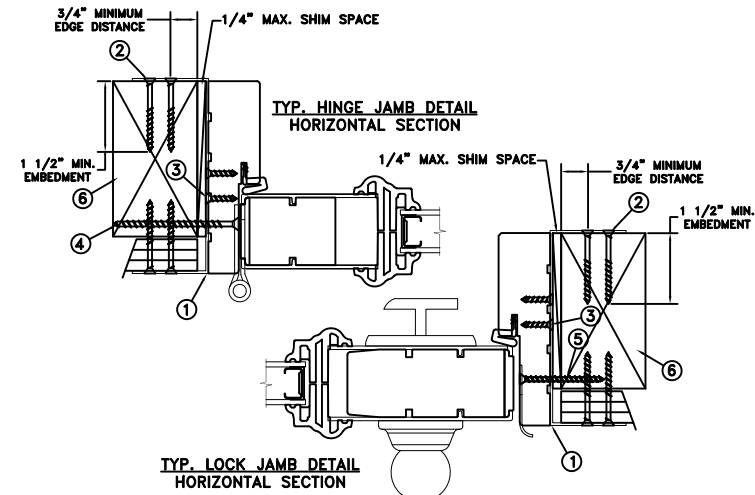
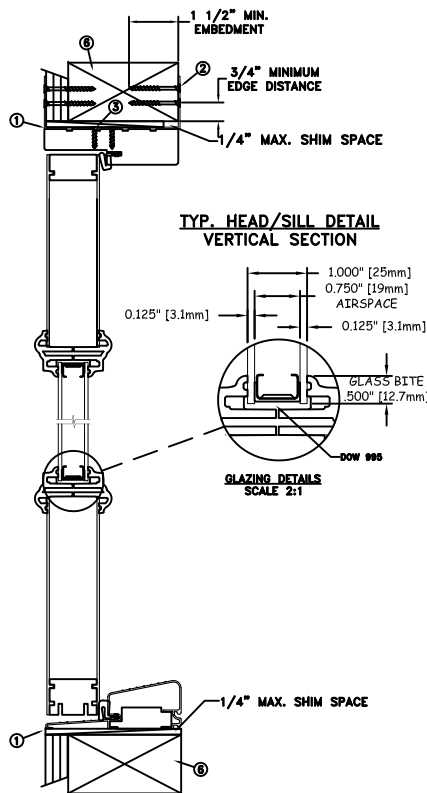
MICAH SWARTZ, P.E.
PE No. 93573
5134 Cambridge Ct.
Klamath Falls, OR. 97603
(541) 363-8075
05/04/25

DATE: 04/07/2025		JELD-WEN 3737 LAKEPORT BLVD. KLAMATH FALLS OR, 97601 PHONE: (800) 535-3936	
SCALE: NTS			
DRAWN BY: M.HAM	CHECKED BY: D.VEZO	TITLE: Design Pro/Smooth Pro (F-3500) Fiberglass Swinging Door Outswing 1 Panel	
APPROVED BY: D.VEZO	RECORD No.:		
REPORT No. NCTL-210-3916-02	D1000180		
CAD DWG. No.: D015687	REV: B	SHEET 9 of 20	

MASONRY STRAP INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



MAXIMUM FRAME	DP	IMPACT
37.5 x 81.125	+50/-50	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 min. two (2) - #10 PFH 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. For 2x wood frame substrate (min. S.G. = 0.55).
3. Use min. two (2) - #10 PFH or larger fasteners through masonry strap into jamb without penetrating through the jamb into product causing visibility or collateral damage to product.
4. Install one (1) - #9 x 2-1/2" PH fastener through each hinge plate into rough opening.
5. Install three (3) - #8 x 2" PH fasteners into latch strike plate through the jamb into the rough opening.
6. 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:

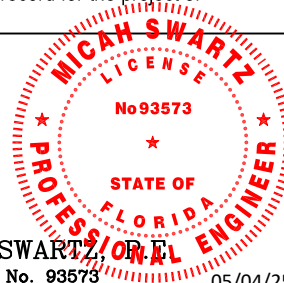
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2. All glazing shall conform to ASTM E1300.
3. Glazing is 3.1mm tempered - 19.0mm airspace - 3.1mm tempered glass.
4. Use structural or composite shims where required.
5. Masonry strap specifications: 20 Ga, galvanized steel, .036" min. thickness x 1.5" min. width.

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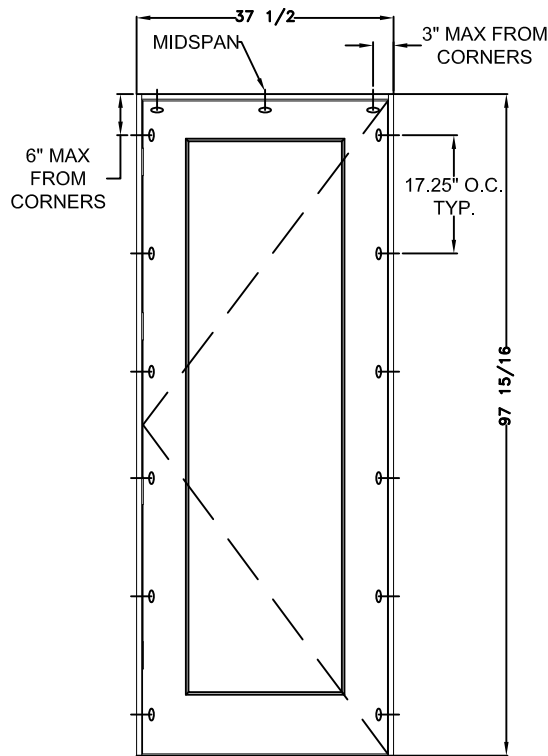
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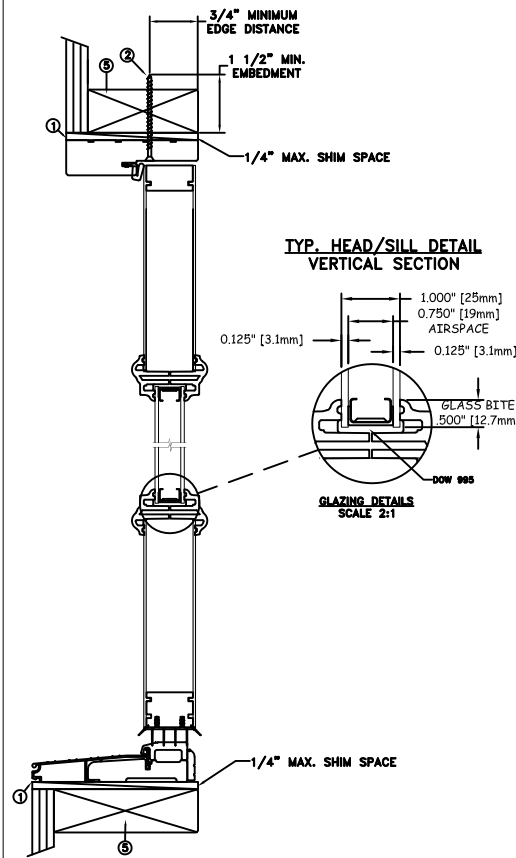


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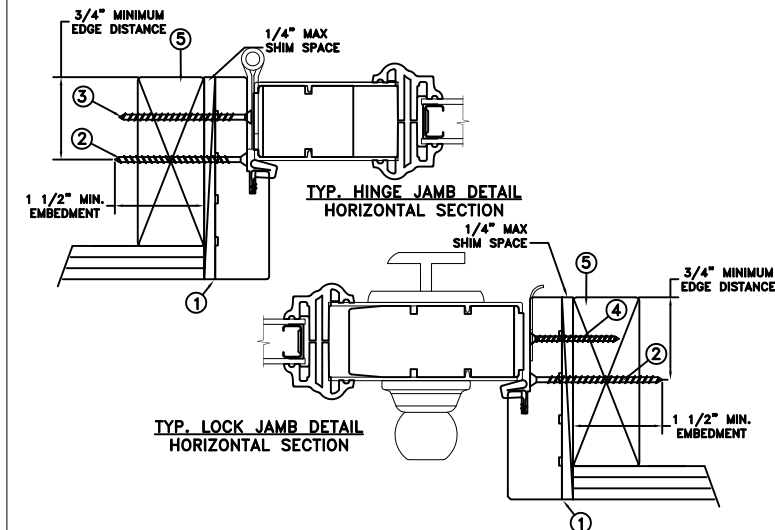
DATE: 04/07/2025	JELD-WEN 3737 LAKEPORT BLVD. KLAMATH FALLS OR, 97601 PHONE: (800) 535-3936		
SCALE: NTS			
DRAWN BY: M.HAM	Design Pro/Smooth Pro (F-3500) Fiberglass Swinging Door Outswing 1 Panel		
CHECKED BY: D.VEZO			
APPROVED BY: D.VEZO			
RECORD No.: D1000180			
REPORT No. NCTL-210-3916-02	CAD DWG. No.: D015687	REV: B	SHEET 10 of 20



TYPICAL ELEVATION WITH FASTENER SPACING



THROUGH FRAME INSTALLATION



MAXIMUM FRAME	DP	IMPACT
37.5 x 97.9375	+50/-50	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 #10 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. = 0.55).
3. Install one (1) - #9 x 2-1/2" PH fastener through each hinge plate into rough opening.
4. Install three (3) - #8 x 2" PH fasteners into latch strike plate through the jamb into the rough opening.
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:

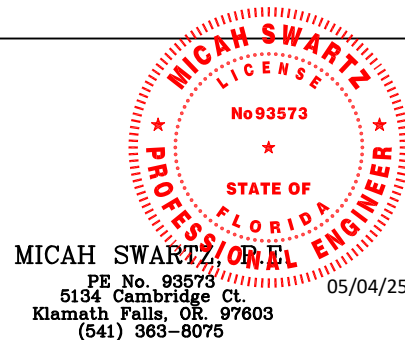
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2. All glazing shall conform to ASTM E1300.
3. Glazing is 3.1mm tempered - 19.0mm airspace - 3.1mm tempered glass.
4. Use structural or composite shims where required.

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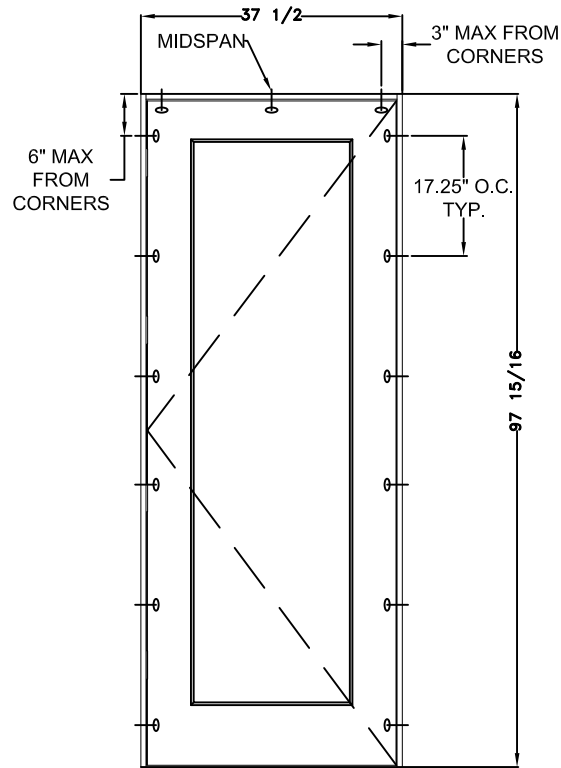
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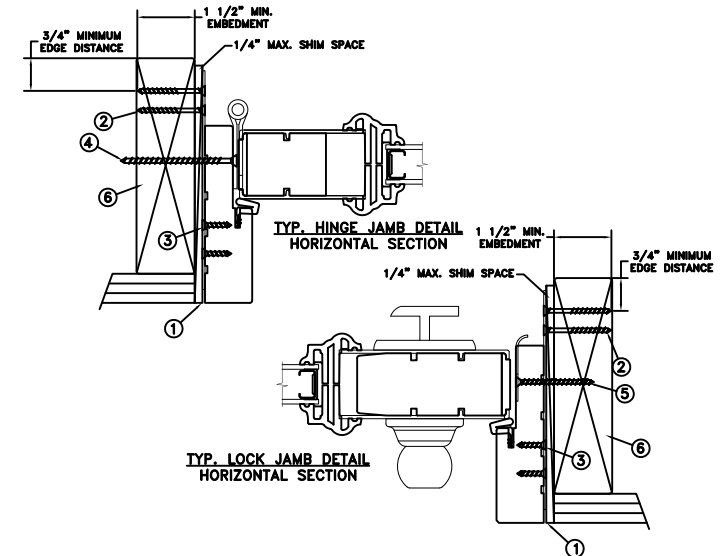
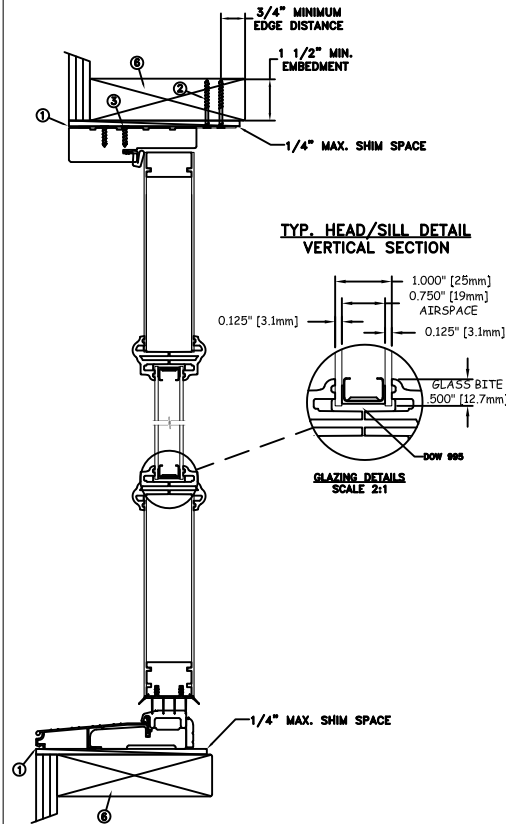


DATE: 04/07/2025	JELD-WEN 3737 LAKEPORT BLVD. KLAMATH FALLS OR, 97601 PHONE: (800) 535-3936
DRAWN BY: M.HAM	
CHECKED BY: D.VEZO	TITLE: Design Pro/Smooth Pro (F-3500) Fiberglass Swinging Door Inswing 1 Panel
APPROVED BY: D.VEZO	
RECORD No.: D1000180	
REPORT No. NCTL-210-3916-02	CAD DWG. No.: D015687
	REV: B SHEET 11 of 20

MASONRY STRAP INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



MAXIMUM FRAME	DP	IMPACT
37.5 x 97.9375	+50/-50	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 two (2) - #10 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. = 0.55).
3. Use two (2) - #10 PFH or larger fasteners through masonry strap into jamb without penetrating through the jamb into product causing visibility or collateral damage to product.
4. Install one (1) - #9 x 2-1/2" PH fastener through each hinge plate into rough opening.
5. Install three (3) - #8 x 2" PH fasteners into latch strike plate through the jamb into the rough opening.
6. 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:

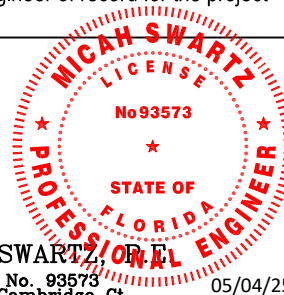
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2. All glazing shall conform to ASTM E1300.
3. Glazing is 3.1mm tempered - 19.0mm airspace - 3.1mm tempered glass.
4. Use structural or composite shims where required.
5. Masonry strap specifications: 20 Ga, galvanized steel, .036" min. thickness x 1.5" min. width.

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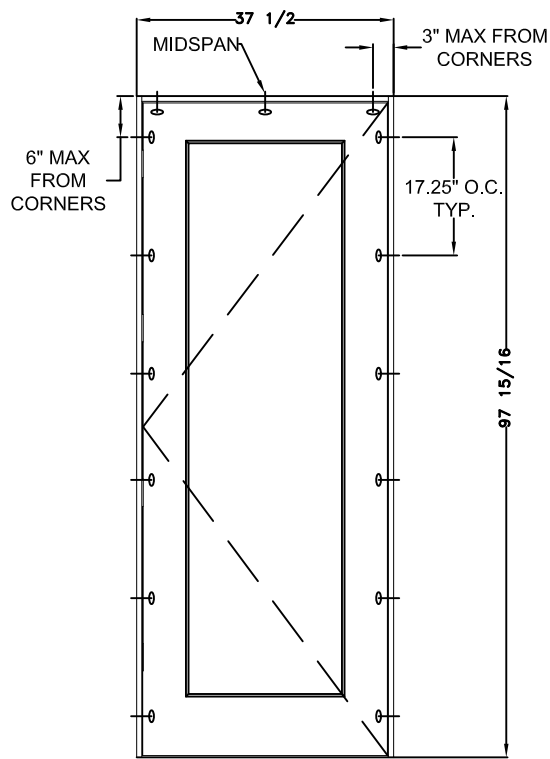
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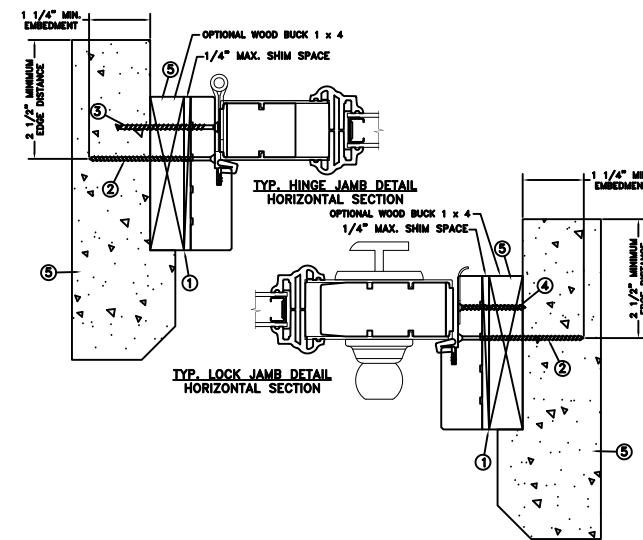
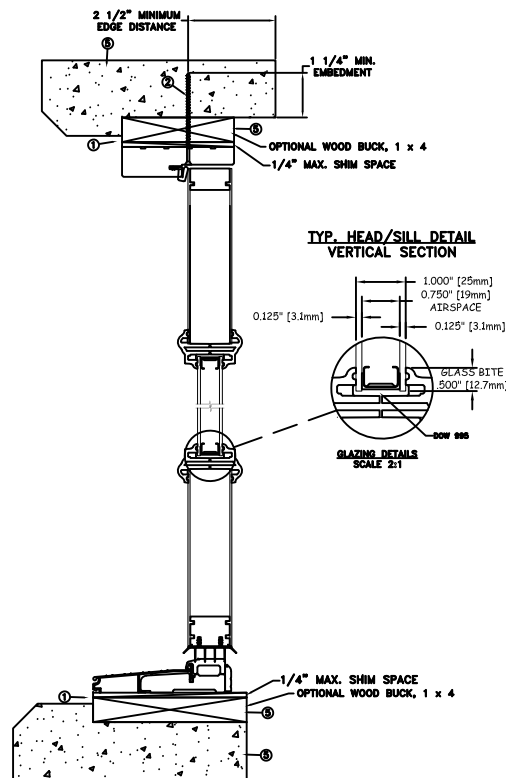
MICAH SWARTZ, P.E.
PE No. 93573
5134 Cambridge Ct.
Klamath Falls, OR. 97603
(541) 363-8075
05/04/25

	DATE: 04/07/2025	JELD-WEN	3737 LAKEPORT BLVD.	
DRAWN BY: M.HAM	SCALE: NTS		KLAMATH FALLS OR, 97601 PHONE: (800) 535-3936	
CHECKED BY: D.Vezo	TITLE: Design Pro/Smooth Pro (F-3500) Fiberglass Swinging Door Inswing 1 Panel			
APPROVED BY: D.Vezo				
RECORD No.: D1000180				
REPORT No. NCTL-210-3916-02		CAD DWG. No.: D015687	REV: B	SHEET 12 of 20

CONCRETE/MASONRY INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



MAXIMUM FRAME	DP	IMPACT
37.5 x 97.9375	+50/-50	NO

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 1/4" tapcon or equivalent fasteners through frame 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 adhere to ASTM C90).
- Install one (1) - 1/4" tapcon through each hinge plate with 1-1/4" min. embedment into concrete or masonry.
- Install one (1) - 1/4" tapcon through latch strike plate with 1-1/4" min. embedment into concrete or masonry.
- 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:

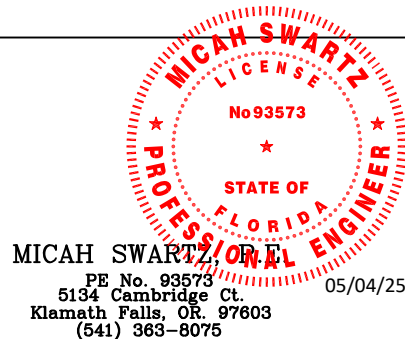
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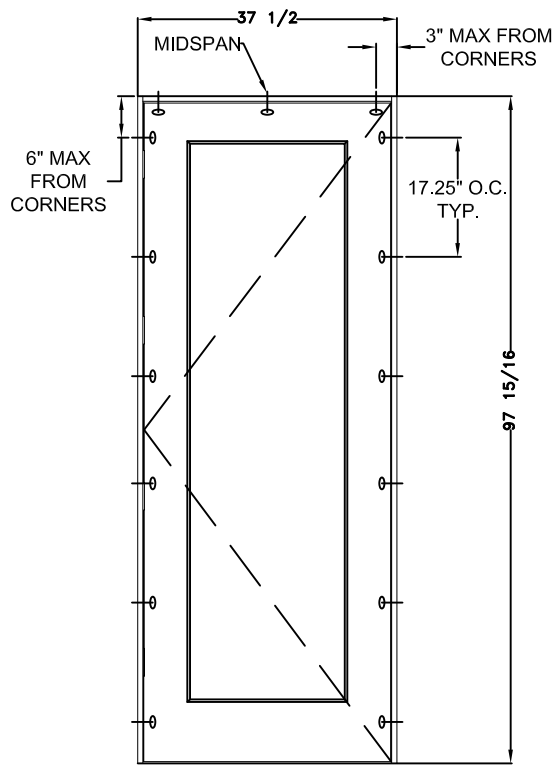
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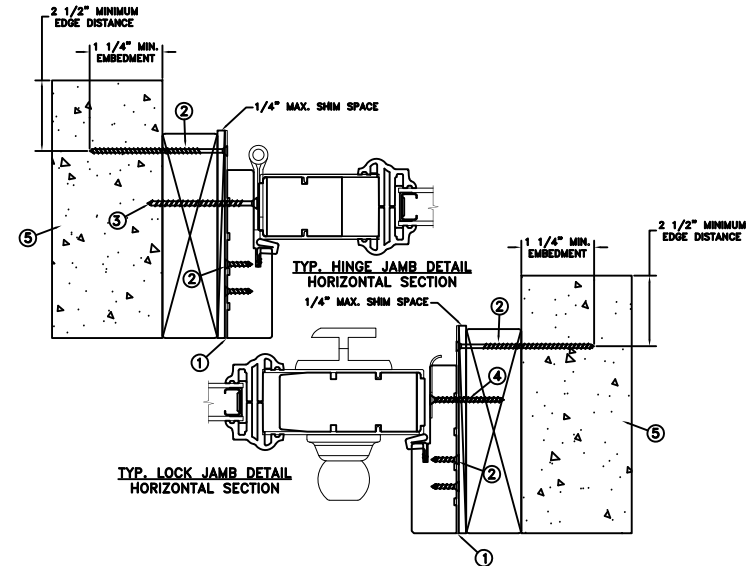
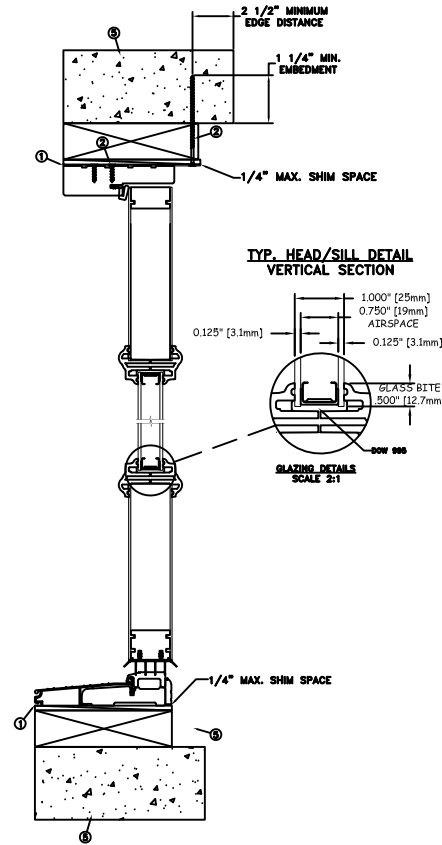
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APPROVED BY: D.VEZO	
RECORD No.: D1000180	CAD DWG. No.: D015687
REPORT No.: NCTL-210-3916-02	
REV: B	SHEET 13 of 20



TYPICAL ELEVATION WITH FASTENER SPACING



MAXIMUM FRAME	DP	IMPACT
37.5 x 97.9375	+50/-50	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 one (1) - 1/4" Tapcon or equivalent fasteners through strap 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. Use two (2) - #10 PFH fasteners through masonry strap into frame. For concrete (min. fc = 3000 psi) or masonry substrate (CMU shall adhere to ASTM C90).
3. Install one (1) - 1/4" tapcon through each hinge plate with 1-1/4" min. embedment into concrete masonry.
4. Install one (1) - 1/4" tapcon through latch strike plate with 1-1/4" min. embedment into concrete or masonry.
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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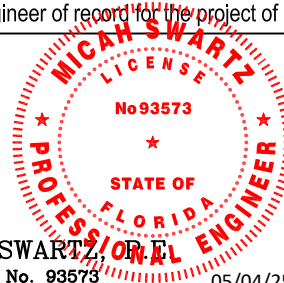
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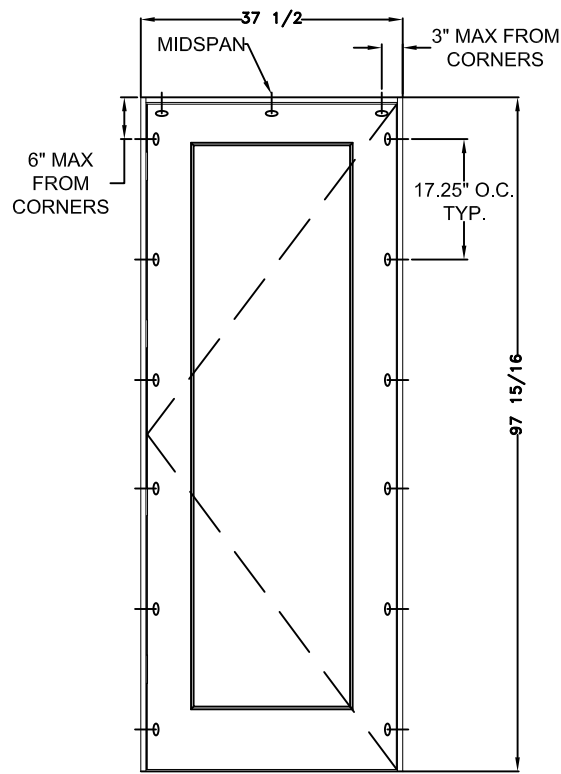
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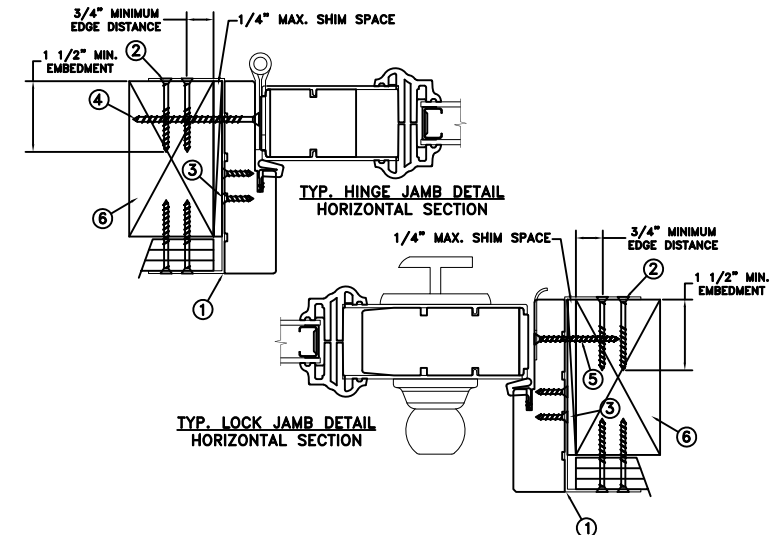
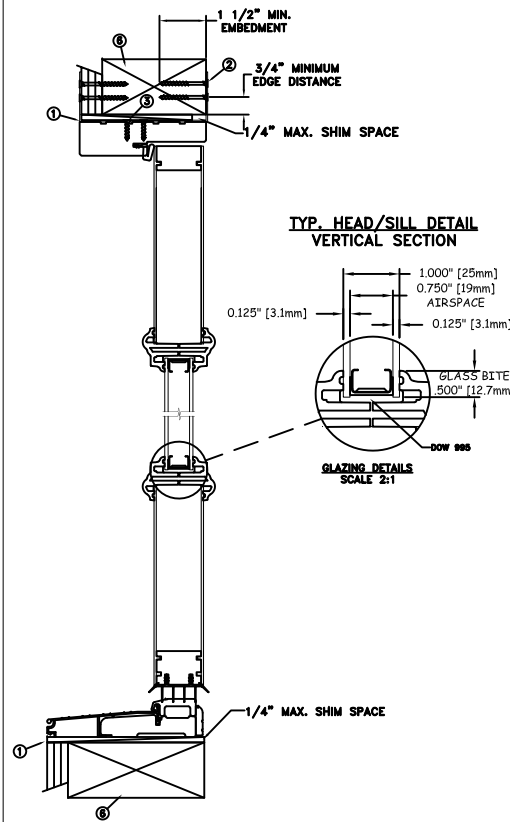
MICAH SWARTZ, P.E.
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DRAWN BY: M.HAM	SCALE: NTS		KLAMATH FALLS OR, 97601 PHONE: (800) 535-3936	
CHECKED BY: D.Vezo	TITLE: Design Pro/Smooth Pro (F-3500) Fiberglass Swinging Door Inswing 1 Panel			
APPROVED BY: D.Vezo				
RECORD No.: D1000180				
REPORT No. NCTL-210-3916-02		CAD DWG. No.: D015687	REV: B	SHEET 14 of 20

MASONRY STRAP INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



MAXIMUM FRAME	DP	IMPACT
37.5 x 97.9375	+50/-50	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 min. two (2) - #10 PFH 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. For 2x wood frame substrate (min. S.G. = 0.55).
3. Use min. two (2) - #10 PFH or larger fasteners through masonry strap into jamb without penetrating through the jamb into product causing visibility or collateral damage to product.
4. Install one (1) - #9 x 2-1/2" PH fastener through each hinge plate into rough opening.
5. Install three (3) - #8 x 2" PH fasteners into latch strike plate through the jamb into the rough opening.
6. 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:

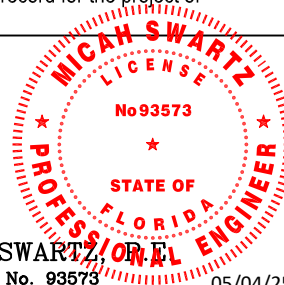
1. The product shown herein is designed, tested and manufactured to comply with the wind load criteria of the adopted International Building Code (IBC), the International Residential Code (IRC), the current Florida Building Code (FBC) and the industry requirement for the stated conditions.
2. All glazing shall conform to ASTM E1300.
3. Glazing is 3.1mm tempered - 19.0mm airspace - 3.1mm tempered 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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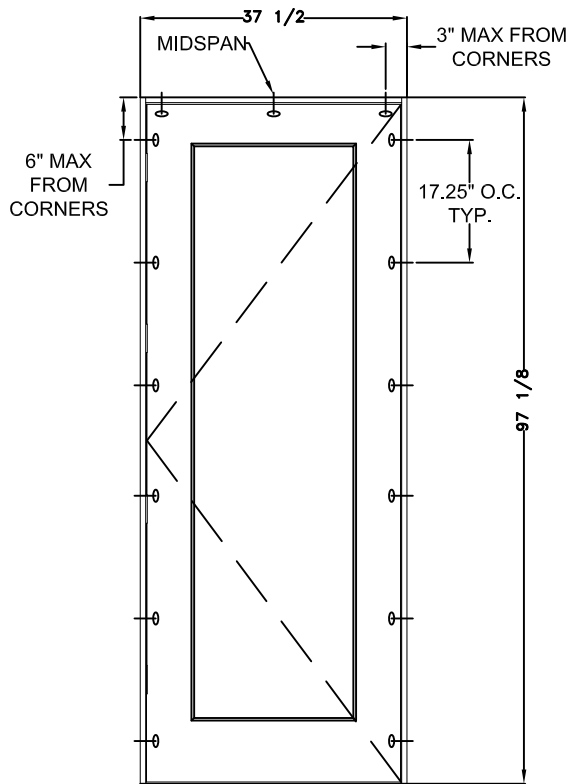
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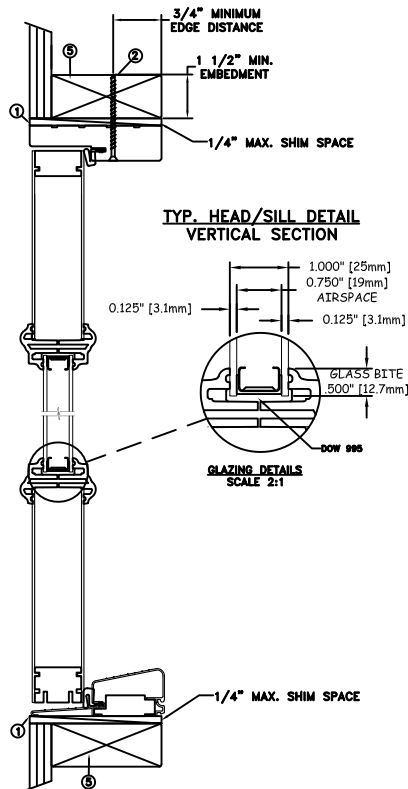


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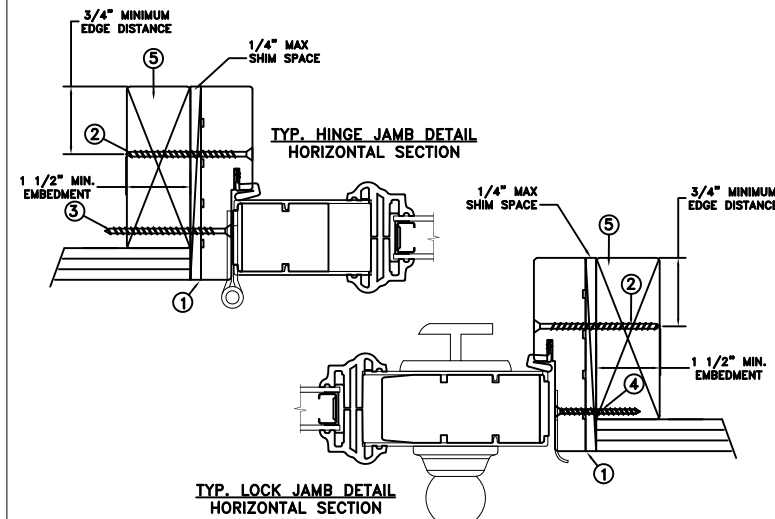
	DATE: 04/07/2025	JELD-WEN	3737 LAKEPORT BLVD.	
DRAWN BY: M.HAM	SCALE: NTS		KLAMATH FALLS OR, 97601	
CHECKED BY: D.Vezo	PHONE: (800) 535-3936			
APPROVED BY: D.Vezo	TITLE: Design Pro/Smooth Pro (F-3500) Fiberglass Swinging Door Inswing 1 Panel			
RECORD No.: D1000180				
REPORT No. NCTL-210-3916-02		CAD DWG. No.: D015687	REV: B	SHEET 15 of 20



TYPICAL ELEVATION WITH FASTENER SPACING



THROUGH FRAME INSTALLATION



MAXIMUM FRAME	DP	IMPACT
37.5 x 97.125	+50/-50	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 #10 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. = 0.55).
3. Install one (1) - #9 x 2-1/2" PH fastener through each hinge plate into rough opening.
4. Install three (3) - #8 x 2" PH fasteners into latch strike plate through the jamb into the rough opening.
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:

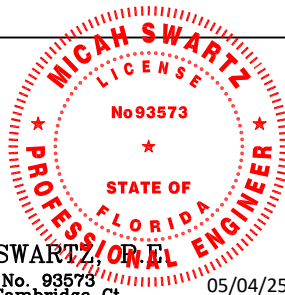
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2. All glazing shall conform to ASTM E1300.
3. Glazing is 3.1mm tempered - 19.0mm airspace - 3.1mm tempered glass.
4. Use structural or composite shims where required.

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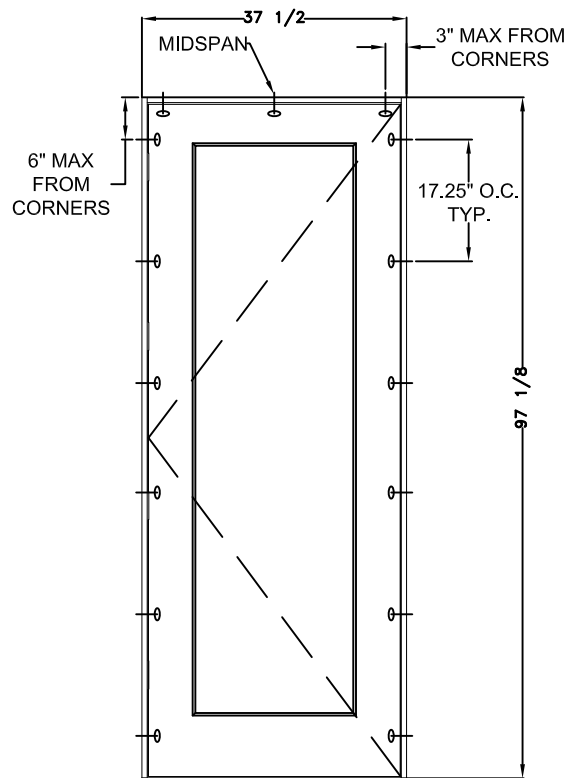


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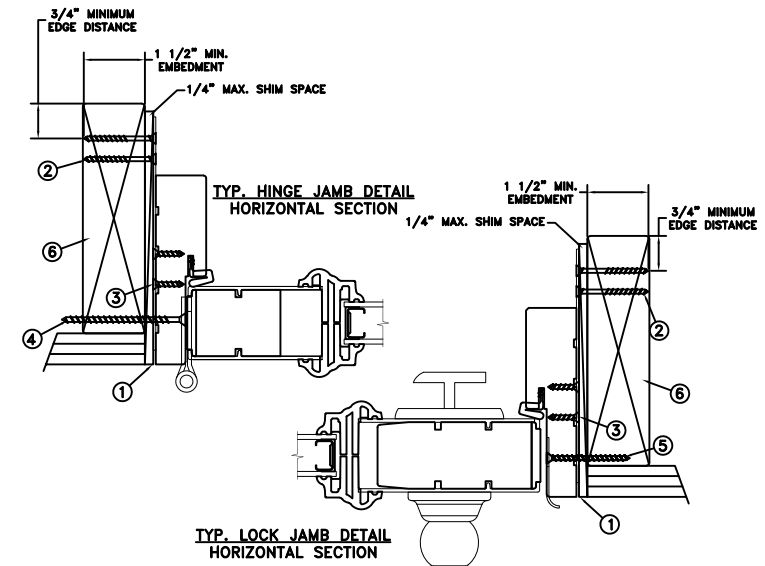
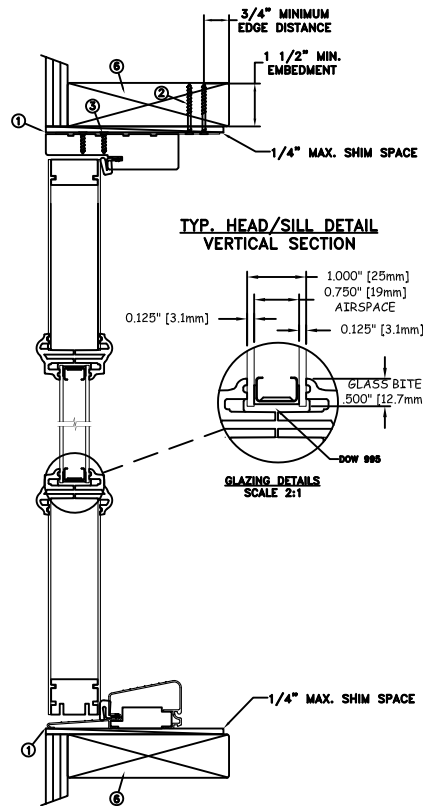
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DATE: 04/07/2025	JELD-WEN 3737 LAKEPORT BLVD. KLAMATH FALLS OR, 97601 PHONE: (800) 535-3936
DRAWN BY: M.HAM	
CHECKED BY: D.VEZO	TITLE: Design Pro/Smooth Pro (F-3500) Fiberglass Swinging Door Outswing 1 Panel
APPROVED BY: D.VEZO	
RECORD No.: D1000180	
REPORT No. NCTL-210-3916-02	CAD DWG. No.: D015687
	REV: B SHEET 16 of 20

MASONRY STRAP INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



MAXIMUM FRAME	DP	IMPACT
37.5 x 97.125	+50/-50	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 two (2) - #10 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. = 0.55).
3. Use two (2) - #10 PFH or larger fasteners through masonry strap into jamb without penetrating through the jamb into product causing visibility or collateral damage to product.
4. Install one (1) - #9 x 2-1/2" PH fastener through each hinge plate into rough opening.
5. Install three (3) - #8 x 2" PH fasteners into latch strike plate through the jamb into the rough opening.
6. 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:

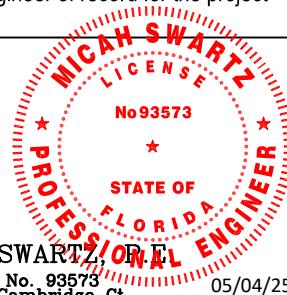
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2. All glazing shall conform to ASTM E1300.
3. Glazing is 3.1mm tempered - 19.0mm airspace - 3.1mm tempered glass.
4. Use structural or composite shims where required.
5. Masonry strap specifications: 20 Ga, galvanized steel, .036" min. thickness x 1.5" min. width.

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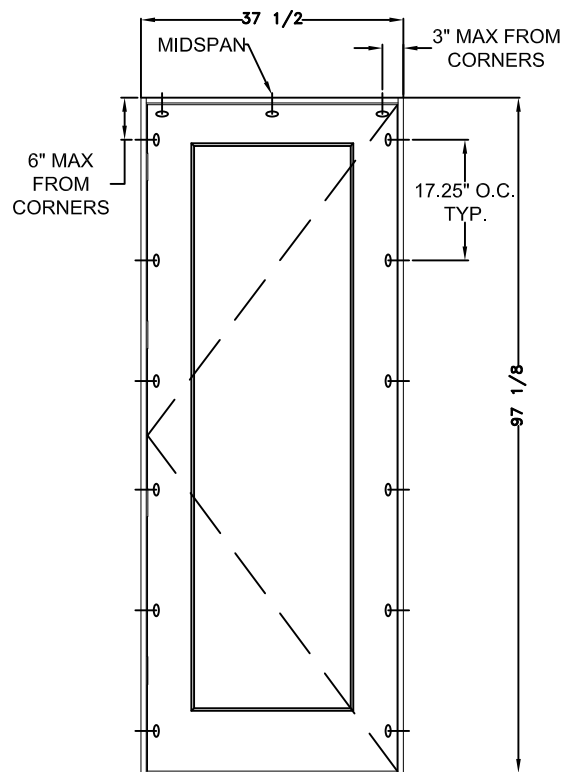
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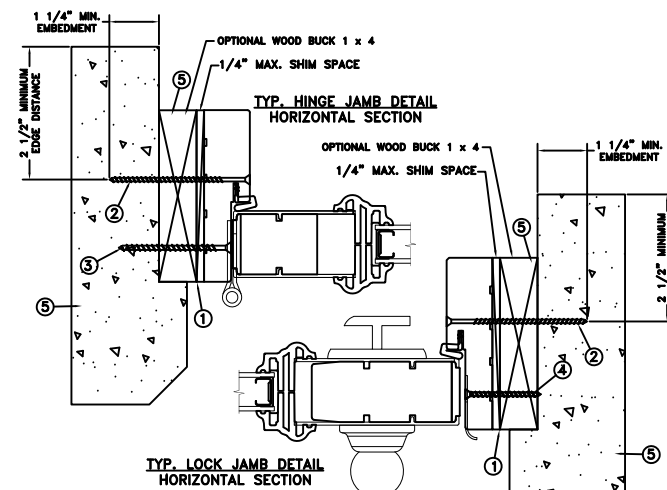
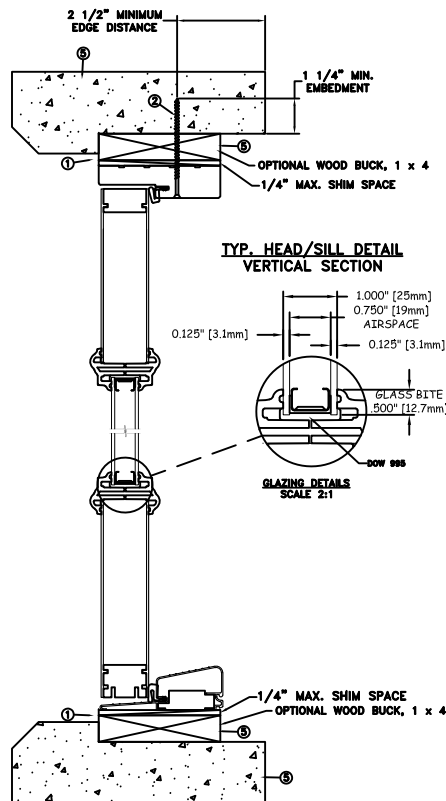
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05/04/25

DATE: 04/07/2025		3737 LAKEPORT BLVD. KLAMATH FALLS OR, 97601 PHONE: (800) 535-3936	
DRAWN BY: M.HAM		SCALE: NTS	
CHECKED BY: D.VEZO		TITLE: Design Pro/Smooth Pro (F-3500) Fiberglass Swinging Door Outswing 1 Panel	
APPROVED BY: D.VEZO			
RECORD No.: D1000180			
REPORT No. NCTL-210-3916-02		CAD DWG. No.: D015687	REV: B SHEET 17 of 20

CONCRETE/MASONRY INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



MAXIMUM FRAME	DP	IMPACT
37.5 x 97.125	+50/-50	NO

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 1/4" tapcon or equivalent fasteners through frame 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 adhere to ASTM C90).
- Install one (1) - 1/4" tapcon through each hinge plate with 1-1/4" min. embedment into concrete or masonry.
- Install one (1) - 1/4" tapcon through latch strike plate with 1-1/4" min. embedment into concrete or masonry.
- 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:

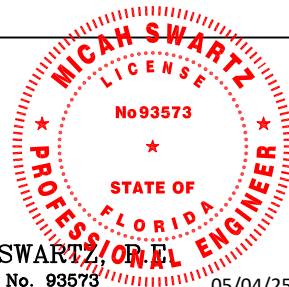
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- All glazing shall conform to ASTM E1300.
- Glazing is 3.1mm tempered - 19.0mm airspace - 3.1mm tempered glass.
- Use structural or composite shims where required.

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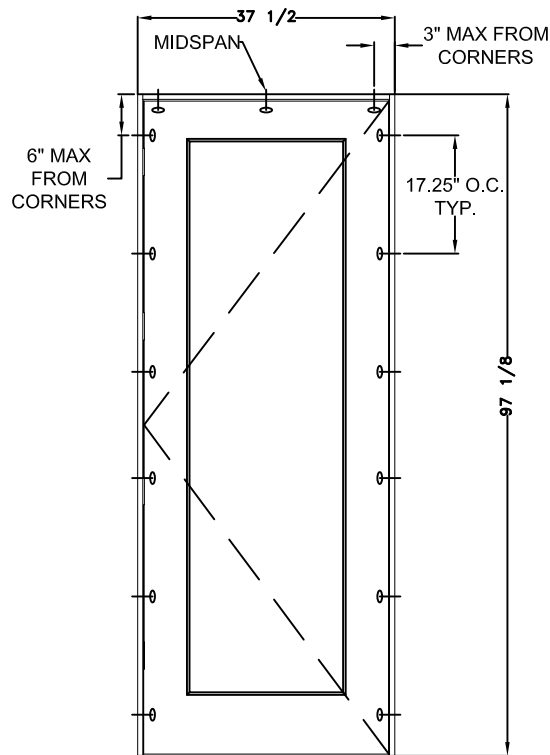
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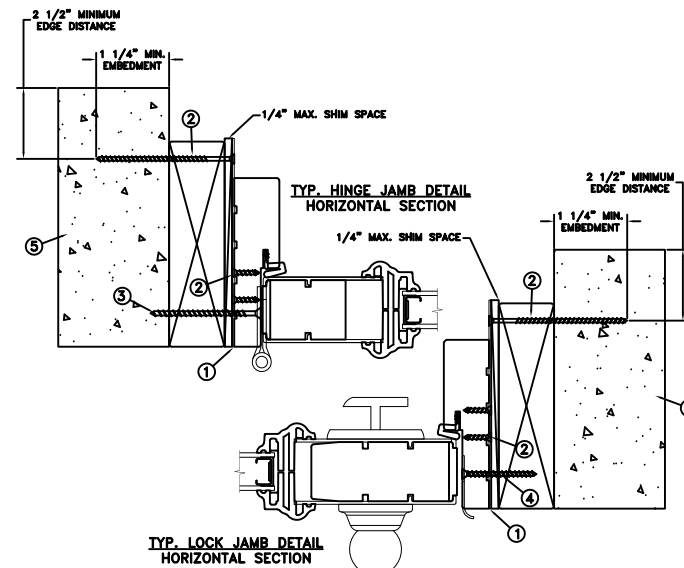
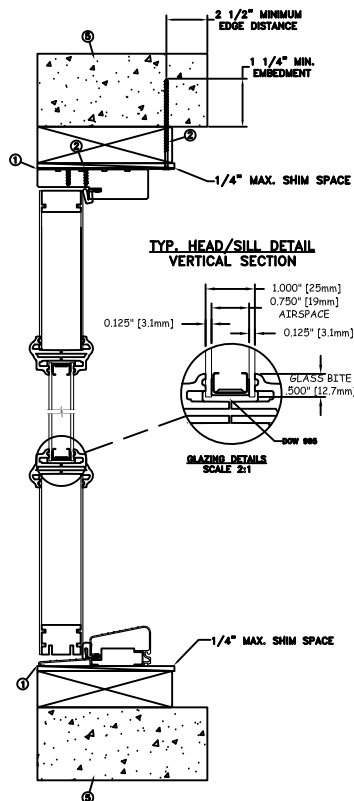
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DRAWN BY: M.HAM	
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APPROVED BY: D.VEZO	
RECORD No.: D1000180	
REPORT No. NCTL-210-3916-02	CAD DWG. No.: D015687
REV: B	SHEET 18 of 20

CONCRETE/MASONRY INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



MAXIMUM FRAME	DP	IMPACT
37.5 x 97.125	+50/-50	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 one (1) - 1/4" Tapcon or equivalent fasteners through strap 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. Use two (2) - #10 PFH fasteners through masonry strap into frame. For concrete (min. fc = 3000 psi) or masonry substrate (CMU shall adhere to ASTM C90).
3. Install one (1) - 1/4" tapcon through each hinge plate with 1-1/4" min. embedment into concrete masonry.
4. Install one (1) - 1/4" tapcon through latch strike plate with 1-1/4" min. embedment into concrete or masonry.
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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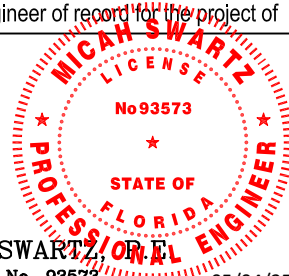
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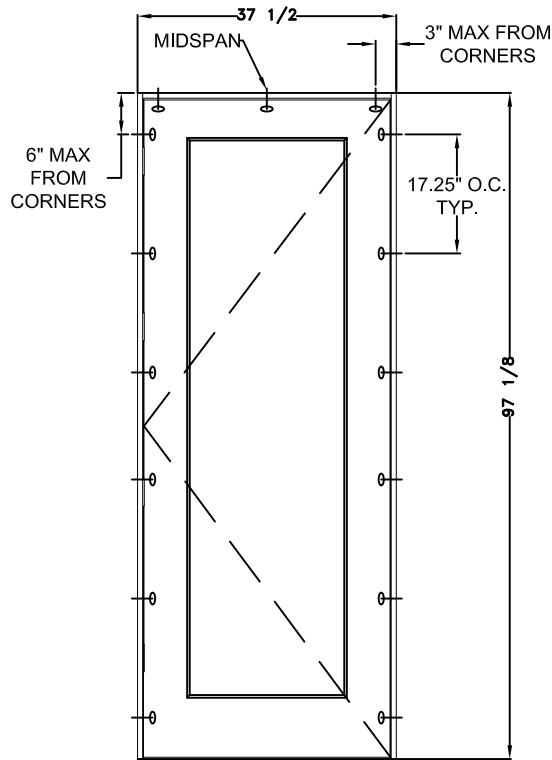
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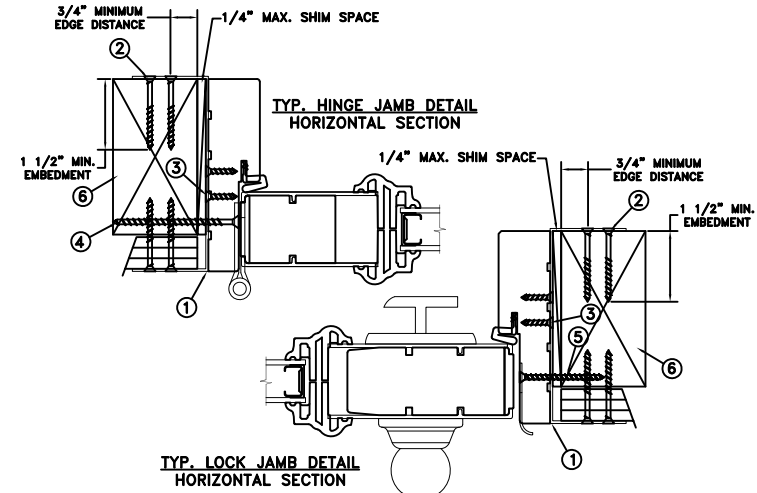
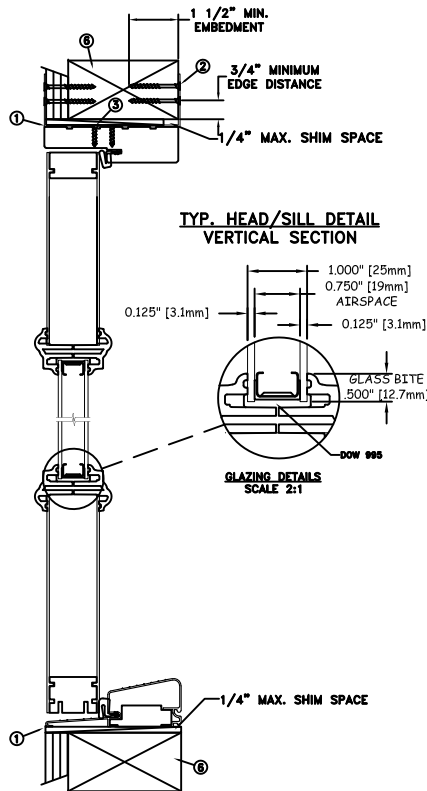
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DRAWN BY: M.HAM	
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APPROVED BY: D.VEZO	
RECORD No.: D1000180	
REPORT No. NCTL-210-3916-02	CAD DWG. No.: D015687
	REV: B SHEET 19 of 20

MASONRY STRAP INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



MAXIMUM FRAME	DP	IMPACT
37.5 x 97.125	+50/-50	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 min. two (2) - #10 PFH 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. For 2x wood frame substrate (min. S.G. = 0.55).
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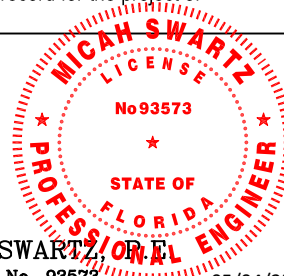
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