



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION  
**NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

**Glasstra Group, LLC**  
**P. O. Box 146,**  
**Calle 4, Esq a-7, Urb. Las palmas**  
**Catano, PR 00962**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Series "5000" Aluminum Sliding Glass Door w/ Reinforcements-LMI**

**APPROVAL DOCUMENT:** Drawing No. **20-141** (Former 17-044), titled "Series 5000 High Performance Sliding glass Door", sheets 1 thru 8 of 8, prepared by Tilteco Inc, dated 11/16/18 and last revised on 07/06/2020 signed and sealed by Walter A. Tillit Jr., P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large Missile Impact Resistant**

**Limitations:**

1. See Design Pressures (DP) rating in sheet1 (general note 3).
2. See anchor layout VS substrate and anchor spacing and cluster anchors (Astragal/Meeting stiles/ interlocks) schedule in sheet 7.
3. IX buck when used as spacer, to be properly secured to transfer imposed load.
4. Max frame area and panel area not to exceed the tested area as shown in sheet 4.

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises** # **17-1207.07** consists of this page 1 and evidence pages E-1 & E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



*Ishaq I. Chanda*

**NOA No. 20-0813.16**  
**Expiration Date: December 26, 2023**  
**Approval Date: November 19, 2020**  
**Page 1**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. Evidence submitted under previous approvals**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections (submitted under file below)
2. Drawing No. 17-044, titled "Series 5000 High Performance Sliding Glass Door", sheets 1 thru 8 of 8, prepared by Tilteco Inc, dated 11/16/18, prepared by Tilteco Inc., signed and sealed by Walter A. Tillit Jr., P.E.

**B. TESTS (submitted under file # 17-1207.07)**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94 (see door approval)  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94  
along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by American Testing Lab of South Florida, Test Report No. ATLSF-0524.01.17, dated 09/20/17, signed and sealed by Stephen Water, P. E.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis dated 09/28/17, complying with FBC 2017(6th Edition), prepared, signed and sealed by Walter A. Tillit Jr., P.E.
2. Glazing complies w/ ASTM E-1300-02, -04 & -09.

**D. QUALITY ASSURANCE**

1. Miami Dade Department of Regulatory and Economic Resources (RER).

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. 17-0808.02 issued to Kuraray America, Inc. (Former E.I. DuPont DE Nemours & Co., Inc. for the "Sentry Glass® (Clear and White) Glass Interlayers", expiring on 07 /04/23.

**F. STATEMENTS**

1. Statement letter of compliance to FBC-2017(6th Edition) and "No financial interest, both dated 9-27-2017, signed by Walter A. Tillit Jr., P.E.
2. Lab compliance letter, part of the test report.

**G. OTHER**

1. None.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 20-0813.17**  
**Expiration Date: February 23, 2022**  
**Approval Date: November 19, 2020**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. New Evidence submitted**

**A. DRAWINGS**

1. Drawing No. **20-141** (Former 17-044), titled "Series 5000 High Performance Sliding glass Door", sheets 1 thru 8 of 8, prepared by Tilteco Inc, dated 11/16/18 and last revised on 07/06/2020 signed and sealed by Walter A. Tillit Jr., P.E

**B. TESTS**

1. None

**C. CALCULATIONS**

1. None

**D. QUALITY ASSURANCE**

1. Miami Dade Department of Regulatory and Economic Resources (RER).

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. 17-0808.02 issued to Kuraray America, Inc. (Former E.I. DuPont DE Nemours & Co., Inc. for the "Sentry Glass® (Clear and White) Glass Interlayers", expiring on 07 /04/23.

**F. STATEMENTS**

1. Statement letters of conformance to FBC 2020 (**7th** Edition), prepared by Tilteco Inc., dated 07/06/20, signed & sealed by Walter A. Tillit Jr., P. E.
2. Glazing complies with ASTM E-1300-02, -04 &-09.

**G. OTHER**

1. This NOA **revises NOA # 17-1207.07** (Former **Glasstra Manufacturing Inc.**) and updates to FBC 2020, expiring 02/23/2022.
2. Certificate of Merger between Glasstra Group LLC and Glasstra Manufacturing Inc, issued by govt of Puerto Rico dated Jan 01, 2020, signed by Elmer L. Roman, Secretary of State.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 20-0813.17**  
**Expiration Date: February 23, 2022**  
**Approval Date: November 19, 2020**



GENERAL NOTES:

1. SERIES 5000 HIGH PERFORMANCE HURRICANE RESISTANT SLIDING GLASS DOOR, SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2020 (7th EDITION) AND 2017 (6th EDITION) OF THE FLORIDA BUILDING CODE. SERIES 5000 HIGH PERFORMANCE HURRICANE RESISTANT SLIDING GLASS DOOR MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES.

DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTIONS 1620 OF THE ABOVE MENTIONED CODE, USING ASCE 7-16 (FBC 2020) & ASCE 7-10 (FBC 2017) AND SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON NOTE 3 BELOW.

IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINED PER ASCE 7-16 AND ASCE 7-10 SHALL BE FIRST REDUCED TO A.S.D. DESIGN WIND LOADS BY MULTIPLYING THEM BY 0.6 IN ORDER TO COMPARE THESE W/ MAX. (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON NOTE 3 BELOW.

IN ORDER TO VERIFY THAT ANCHORS ON THIS P.A.D., AS TESTED, WERE NOT OVERSTRESSED, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS NOT USED IN THEIR ANALYSIS. A DURATION FACTOR CD=1.60 WAS USED TO VERIFY FASTENERS IN WOOD. FASTENERS SPACING TO WOOD HAS BEEN DETERMINED IN ACCORDANCE WITH N.D.S. 2018.

THESE DOOR'S ADEQUACY FOR IMPACT AND WIND RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1626 OF THE ABOVE MENTIONED CODE AS PER PROTOCOLS TAS-201, TAS-202, TAS-203, PER AMERICAN TESTING LAB., LAB REPORT #0524.01-17 AND AS PER SUBMITTED STRUCTURAL CALCULATIONS, PERFORMED AS PER SECTION 1616 OF THE FLORIDA BUILDING CODE.

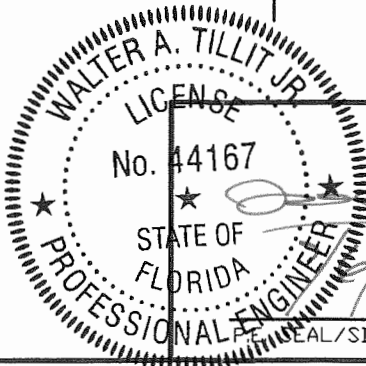
2. REMAINING COMPONENTS FOR THIS SLIDING GLASS DOOR SYSTEM SHALL BE AS INDICATED ON BILL OF MATERIALS SHEET 3 OF THIS DRAWING.
3. MAXIMUM A.S.D. DESIGN PRESSURE RATINGS FOR THESE DOORS SHALL BE +75.0, -75.0 psf.
4. THIS SERIES 5000 HIGH PERFORMANCE HURRICANE RESISTANT SLIDING GLASS DOOR WILL NOT REQUIRE A HURRICANE PROTECTION DEVICE.
5. THIS SERIES 5000 HIGH PERFORMANCE HURRICANE RESISTANT SLIDING GLASS DOOR IS APPROVED FOR AIR AND WATER INFILTRATION.
6. ALL ALUMINUM EXTRUSIONS SHALL BE ALUMINUM ASSOCIATION 6063-T5 ALLOY AND TEMPER, WITH Fy=15.0 ksi MINIMUM. THE THICKNESS OF ALL EXTRUSIONS SHALL BE AS SHOWN ON THIS DRAWING.  
ALL ALUMINUM EXTRUSIONS IN CONTACT WITH DISSIMILAR MATERIALS SHALL COMPLY WITH SECTION III-6 OF THE 2015 ALUMINUM DESIGN MANUAL.
7. ALL SCREWS USED FOR ASSEMBLY CONNECTIONS (METAL TO METAL) TO BE STAINLESS STEEL 304 OR 316 AISI SERIES OR CORROSION RESISTANT COATED CARBON STEEL AS PER DIN 50018 WITH 50 ksi YIELD STRENGTH AND 90 ksi TENSILE STRENGTH & SHALL COMPLY W/ FLORIDA BUILDING CODE SECTION 2411.3.3.4.
8. WOOD BUCKS, BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE BUILDING STRUCTURE. WOOD BUCKS MUST BE SOUTHERN PINE, G=0.55. AND SHALL COMPLY WITH SECTIONS 2411.3.3.3 & 2326 OF THE FLORIDA BUILDING CODE.
9. ANCHOR NOTES: EMBEDMENT AND EDGE DISTANCE ARE BEYOND ANY FINISH .

- (A) TO EXISTING POURED CONCRETE: (Min. f'c = 3.000 ksi), MIN. EDGE DISTANCE = 2 1/2".  
- 1/4"Ø TAPCON W/ 1 3/4" MIN. EMBEDMENT, AS MANUFACTURED BY ITW/BUILDEX, INC (COMPONENT [25] ), THRU 1" P.T. WOOD BUCK.
- (B) TO EXISTING A.S.T.M. C-90 CONCRETE BLOCK: MIN. EDGE DISTANCE=2 1/2". (APPLICABLE TO JAMBS ONLY)  
- 1/4"Ø TAPCON (Fy=100 ksi, Fu=125 ksi) W/1 1/4" MIN. EMBEDMENT, AS MANUFACTURED BY ITW/BUILDEX, INC. (COMPONENT [25] ). THRU 1" P.T. WOOD BUCK.

- (C) TO EXISTING 2x P.T. WOOD BUCK (MIN. G=0.55). MIN. EDGE DISTANCE = 1 1/4".  
- #12 WOOD SCREW W/ 1 1/2" MIN. THREADED PENETRATION, AS MANUFACTURED BY TEDDY DIAZ, (COMPONENT [25B] ).
- (D) TO EXISTING MIN. 1/8" THICK ALUMINUM MEMBER (6063-T5 ALLOY) MIN. EDGE DISTANCE = 1/2".  
- 1/4"Ø TEK SCREW (Fy=92 ksi, Fu=120 ksi) FULLY ENGAGED INTO MEMBER'S THICKNESS , AS MANUFACTURED BY ITW/BUILDEX. (COMPONENT [25A] ).
- (E) TO EXISTING MIN. 12 GAGE STEEL MEMBER (ASTM A-500, A-653 OR A-36) MIN. EDGE DISTANCE = 1/2".  
- 1/4"Ø TEK SCREW, FULLY ENGAGED INTO MEMBER'S THICKNESS, AS MANUFACTURED BY ITW/BUILDEX. (COMPONENT [25A] ).
10. PROVIDE 1/4" MAX. LOAD BEARING SHIM, WHEN ALLOWED BY THIS DRAWING.
11. PRODUCT MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION AT PRODUCT IN ACCORDANCE WITH SECTION 1709.5 OF THE FLORIDA BUILDING CODE. ONE LABEL SHALL BE PLACED FOR EVERY OPENING.
12. (a) THIS P.A.D. PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.A.D.
- (b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT, BASED ON THIS P.A.D., PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.
- (c) THIS P.A.D. WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
- (d) ORIGINAL P.A.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

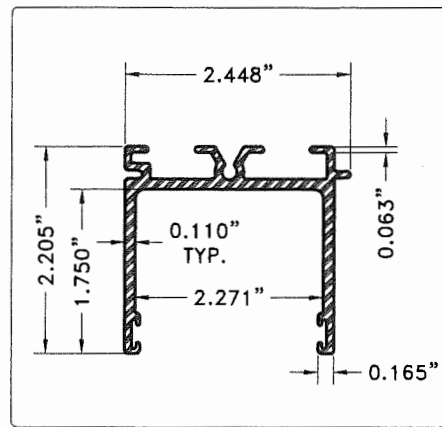
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 20-0813.16  
Expiration Date 12/26/2023  
By Ishag I. Chande  
Miami-Dade Product Control

THIS DRAWING SHALL BE USED ONLY TO  
OBTAIN PERMITS IN THE STATE OF FLORIDA

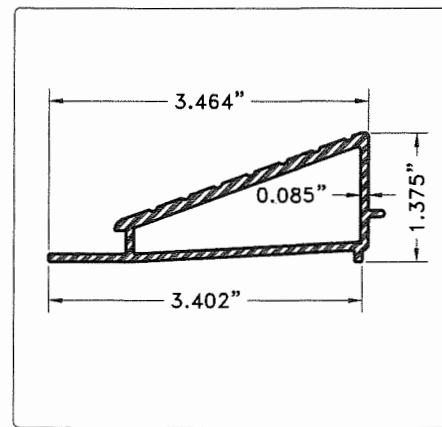


FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)					
©2020 TILTECO, INC.			SERIES 5000 HIGH PERFORMANCE HURRICANE RESISTANT SLIDING GLASS DOOR		M.P DRAWN BY:
TILTECO inc. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th, St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 . Fax : (305)871-1531 CA-0006719 WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167			GLASSTRA GROUP, LLC PO. BOX 146, Cataño, PR. 00963: Calle 4 Esq. A-7, Urb. Las Palmas Cataño P.R. 00962		06/26/2020 DATE:
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 17-044	06/26/2020	3		
2			4		
					20-141 DRAWING No.
					SHEET 1 OF 8

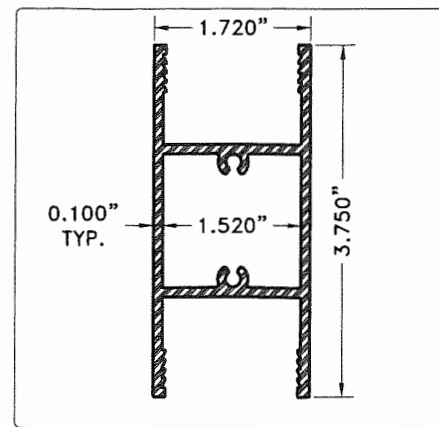




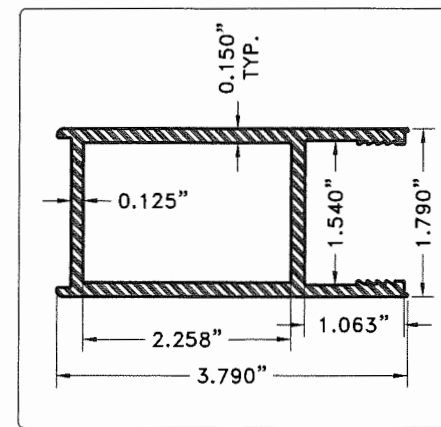
1 FRAME HEAD



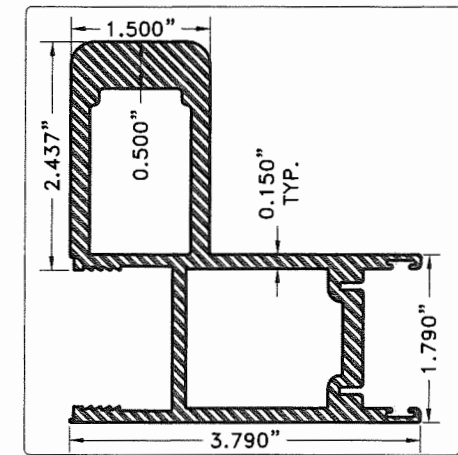
4 OPTIONAL THRESHOLD



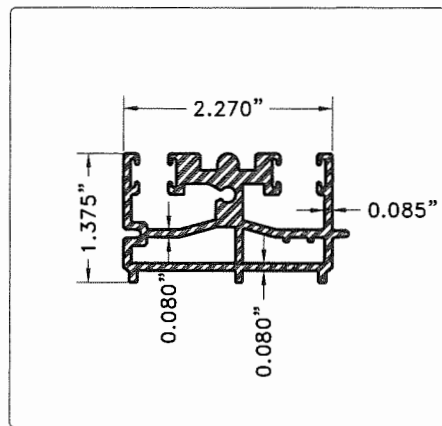
7 TOP RAIL



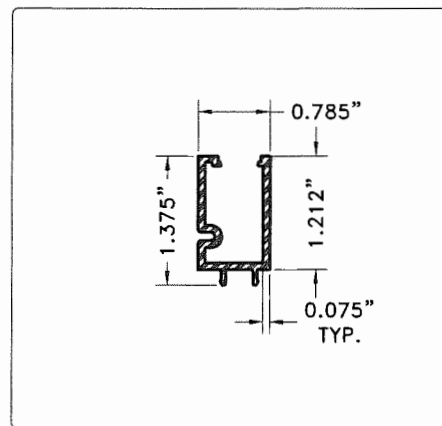
8 LOCK STILE



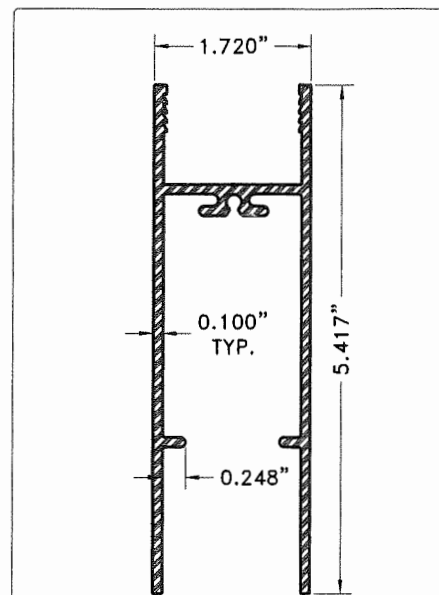
12 FEMALE ASTRAGAL W/REINF.



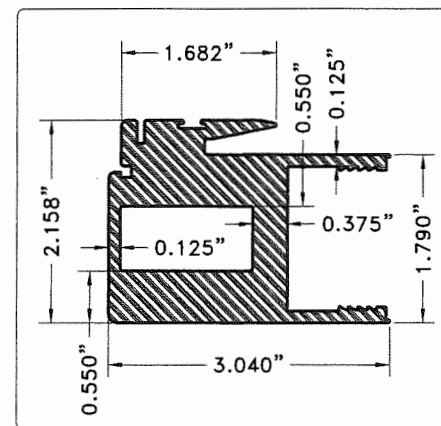
2 FRAME SILL TRACK



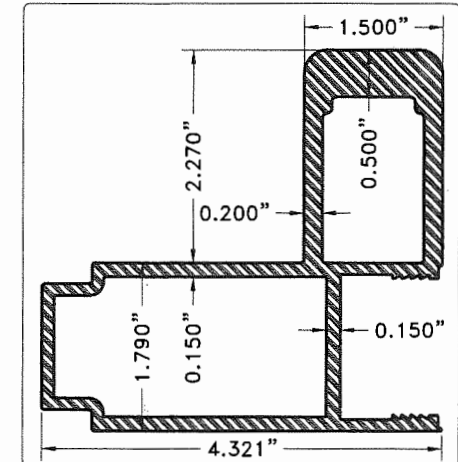
5 SILL RISE



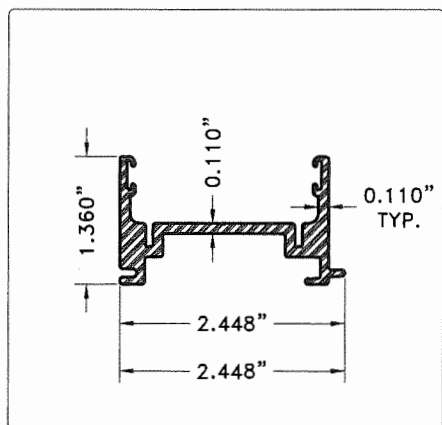
9 BOTTOM RAIL



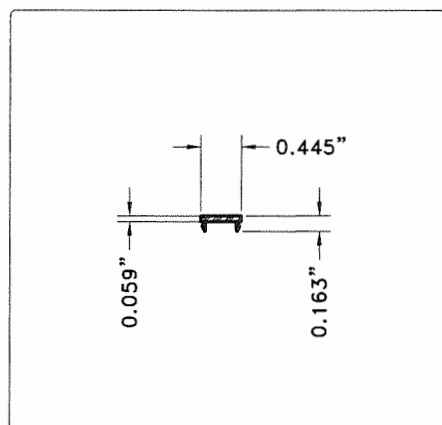
10 INTERLOCK



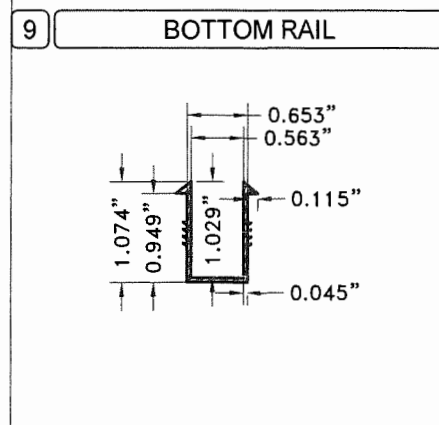
13 MALE ASTRAGAL W/REINF.



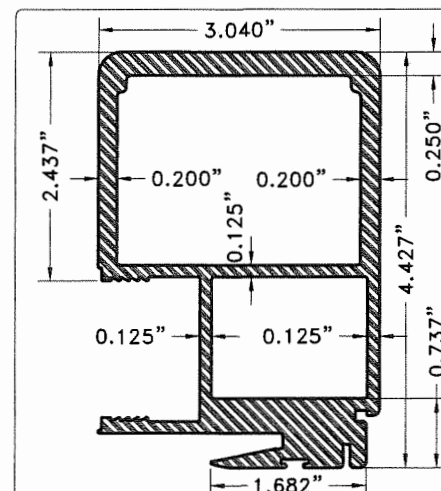
3 FRAME JAMB



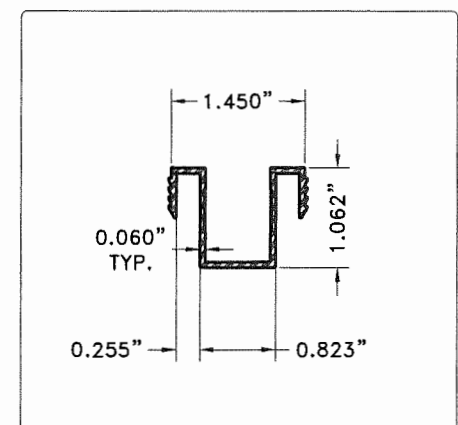
6 SILL RISE SNAP-IN



24 GLAZING GASKET



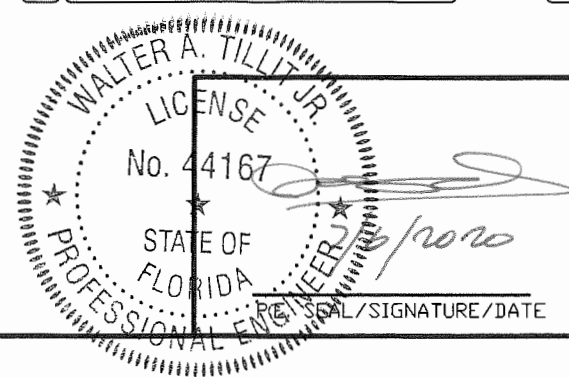
11 REINFORCEMENT INTERLOCK



15 GLASS ADAPTOR

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 20-0813.16  
Expiration Date 12/26/2023  
By Ishag I. Chahin  
Miami-Dade Product Control

**COMPONENTS**  
SCALE 1/2"=1"



FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2020 TILTECO, INC.  
**TILTECO INC.**  
TILLIT TESTING & ENGINEERING COMPANY  
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166  
Phone : (305)871-1530 . Fax : (305)871-1531  
CA-0006719  
WALTER A. TILLIT Jr. P.E.  
FLORIDA Lic. # 44167

**SERIES 5000 HIGH PERFORMANCE HURRICANE  
RESISTANT SLIDING GLASS DOOR**

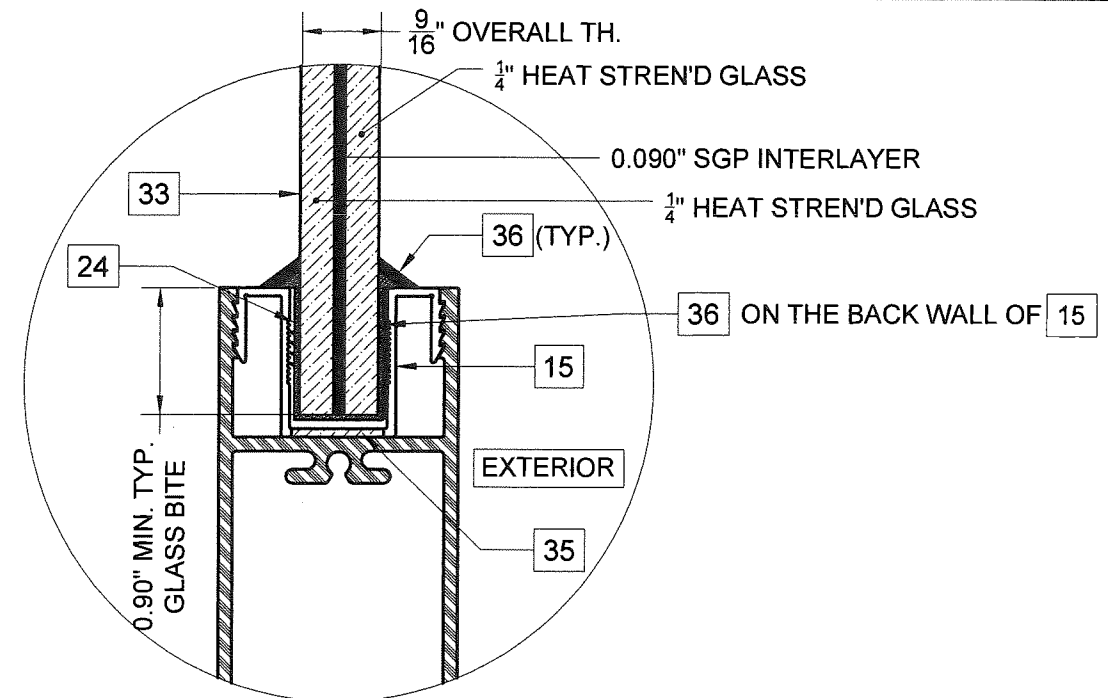
**GLASSTRA GROUP, LLC**  
P.O. BOX 146, Cataño, P.R. 00963:  
Calle 4 Esq. A-7, Urb. Las Palmas  
Cataño P.R. 00962

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 17-044	06/26/2020	3		
2			4		

M.P.  
DRAWN BY:  
06/26/2020  
DATE:  
**20-141**  
DRAWING No.  
SHEET 2 OF 8

BILL OF MATERIALS			
ITEM	PART NO.	DESCRIPTION	MANF. / SUPPLIES / REMAKS
1	18713	FRAME HEAD	ALUMINUM ALLOY 6063-T5
2	18714	FRAME SILL TRACK	ALUMINUM ALLOY 6063-T5
3	18715	FRAME JAMB	ALUMINUM ALLOY 6063-T5
4	18716	OPTIONAL THRESHOLD	ALUMINUM ALLOY 6063-T5
5	18717	SILL RISE	ALUMINUM ALLOY 6063-T5
6	15609	SILL RISE SNAP-IN	ALUMINUM ALLOY 6063-T5
7	18718	TOP RAIL	ALUMINUM ALLOY 6063-T5
8	18720	LOCK STILE	ALUMINUM ALLOY 6063-T5
9	18719	BOTTOM RAIL	ALUMINUM ALLOY 6063-T5
10	18721	INTERLOCK	ALUMINUM ALLOY 6063-T5
11	18847	REINFORCEMENT INTERLOCK	ALUMINUM ALLOY 6063-T5
12	18722	FEMALE ASTRAGAL W/REINF.	ALUMINUM ALLOY 6063-T5
13	18723	MALE ASTRAGAL W/REINF.	ALUMINUM ALLOY 6063-T5
15	18725	GLASS ADAPTOR	ALUMINUM ALLOY 6063-T5
17A	16540	1 7/8" x 8" x 3/8" TH. FLAT BAR	ALUMINUM ALLOY 6063-T5
17B	16540	1 7/8" x 4" x 3/8" TH. FLAT BAR	ALUMINUM ALLOY 6063-T5
17C	16540	1 7/8" x 2" x 3/8" TH. FLAT BAR	ALUMINUM ALLOY 6063-T5
18	QE2D175	Q-PRO LONG	BY SCHLEGEL. SEE SECTION B-B ON SHEET 6 FOR LOCATION
19	WU3255NK000B	TRI FIN WEATHER SEAL	BY ULTRAFAB. SEE SECTION A-A ON SHEET 5 FOR LOCATION
20	SS185B	3/16" Ø HOLLOW CORE VINYL	BY CRL
21	D-238	COLORITE POLYMERS 10013G-015	VYNIL COMPOUND, BY MSW LLC.
22	MA-31163	1/2" Ø CAP BUMPER	RUBBER, BY DELTA INDUSTRIAL CORP.
23	MA-10275	1/2" x 3" OVAL CAP BUMPER	BY DELTA INDUSTRIAL CORP.
24	D-261	SARLINK TPE EE-2375B BLK XRD U CHANNEL GASKET	THERMOPLASTIC ELASTOMER, BY MSW LLC.
25	----	1/4" Ø TAPCON ANCHOR	BY ITW/BUILDEX
25A	----	1/4" Ø TEK SCREW	BY ITW/BUILDEX
25B	----	#12 SS WOOD SCREW	TEDDY DIAZ
26	----	S.S. # 10 X 3/4" PH SCREW	TEDDY DIAZ
26A	----	S.S. # 10-16 X 2 1/2" PH SCREW	TEDDY DIAZ
27	----	S.S. # 10 X 1 1/2" FH SCREW	TEDDY DIAZ
27A	----	3/16" Ø TAPCON W/ 1 1/4" EMBEDMENT.	BY ITW/BUILDEX
28	----	S.S. 1/4" X 3/4" PH METRIC SCREW	TEDDY DIAZ
29	----	S.S. 1/4" X 3/4" FH METRIC SCREW	TEDDY DIAZ
30	GTT15006HKA	NYLON WHEELS (2 1/4" Ø) IN STEEL CASING	ZAMAK ZL5, BY MANUFACTURA PABOSE
31	2333	MS 18505 HOOK BOLT MORTISE LOCK ZP 1 1/2" BACK SET. SEE NOTE **	STEEL W/ SS TONGUE, BY REGENT
32	2604	THURMBURN CYLINDER	BY DELTA INDUSTRIAL
33	----	9/16" NOMINAL LAMINATED GLASS W/ 1/4" HS. GLASS+0.090" SGP INTERLAYER BY KURARAY +1/4" HS.	GLASS
35	SB561	1/16" TH. SETTING BLOCK	NEOPRENE 80 DUROMETER HARDNESS
36	DC995	STRUCTURAL SILICONE	DOW CORNING
37	DC 795	PERIMETER SILICONE	DOW CORNING
37A	DC1199	SILICONE SEALANT	DOW CORNING
38	P7509AFK	PILE WEATHERSTRIPPING 2" X 2 5/8"	BY ULTRAFAB. SEE SECTION A-A ON SHEET 5 FOR LOCATION
39	P7509AFK	PILE WEATHERSTRIPPING 2" X 1 3/4", LENGTH VARIES SEE NOTE *, W/ 0.050" THK. SELF ADHERING BACKING	BY ULTRAFAB. SEE NOTE *
40	P7509AFK	PILE WEATHERSTRIPPING 2" X 2 1/4"	BY ULTRAFAB. SEE SECTION B-B ON SHEET 6 FOR LOCATION
41	P7509AFK	PILE WEATHERSTRIPPING 3/8" X 1"	BY ULTRAFAB. SEE SECTION A-A ON SHEET 5 FOR LOCATION
44	2335HC1	FACE PLATE. SEE NOTE ***	ALUMINUM, BY REGENT
45		CLOSED CELL BACKER ROD	C.R. LAURENCE.

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 20-0813.16  
Expiration Date 12/26/2023  
By Ishag I. Chande  
Miami-Dade Product Control



**GLAZING DETAIL**  
(DRY GLAZED GLASS 33)  
SCALE 3/4"=1"

**NOTE \*:**

- REQUIRED LOCATIONS AT FRAME ①:
- W/ 8" LONG, ATTACHED TO THE UNDERSIDE OF 17A IN THE INTERIOR ① @ 94" O.C FROM THE LEFT JAMB.
  - W/ 4" LONG, ATTACHED TO THE UNDERSIDE OF 17B IN THE INTERIOR ① @ 142 3/8" O.C FROM THE LEFT JAMB.
  - W/ 2" LONG, ATTACHED TO THE UNDERSIDE OF 17C IN THE EXTERIOR ① @ 48 3/8" O.C FROM THE LEFT JAMB.
  - W/ 7" LONG, ATTACHED TO THE TOP OF THE INTERIOR ①, DIRECTLY ABOVE THE LEFT STILE OF THE LEFT OPERABLE PANEL.
  - W/ 7" LONG, ATTACHED TO THE TOP OF THE INTERIOR ①, DIRECTLY ABOVE THE RIGHT STILE OF THE RIGHT OPERABLE PANEL.
  - W/ 7" LONG, ATTACHED TO THE TOP OF THE EXTERIOR ①, DIRECTLY ABOVE THE LEFT STILE OF THE RIGHT FIXED PANEL.

**NOTE \*\*:**

COMPONENT 31: (1) 0.950" x 0.950" x 0.125" THK. ALUMINUM PLATE SHALL BE ATTACHED TO EA. END OF THE HOOK LATCH ASSEMBLY TO EXTEND THE ATTACHMENT EARS. EACH PLATE W/ (1) #10-24 x 3/4", SCREW W/ A #2 PHILLIPS, FLAT, UNDERCUT HEAD W/ A FLAT SCORED TIP INTO A 0.160" Ø THREADED HOLE IN THE ALUMINUM PLATE. ONE PLATE SHALL BE LOCATED AT EA. END UNDER THE FACTORY HOLE. THE HOOK LATCH SECURED TO THE LOCK STILE AT EA. END, TOP & BOTTOM, W/ (1) #10-24 x 3/4", SCREW W/ A #2 PHILLIPS, FLAT, UNDERCUT HEAD WITH A FLAT SCORED TIP THROUGH THE LEFT WALL OF THE LOCK STILE HOLES, THOUGH (2) 0.627" O.D. x 0.282" I.D. x 0.046" THK., S.S. STACKED WASHERS THEN INTO A 0.160" Ø THREADED HOLE IN THE ALUMINUM PLATE. WHEN EXTENDED, THE HOOK LATCH IS 33 7/8" O.C. FROM BOTTOM OF THE LOCK STILE AND IS ENGAGED TO THE LEFT FRAME JAMB.

**NOTE \*\*\*:**

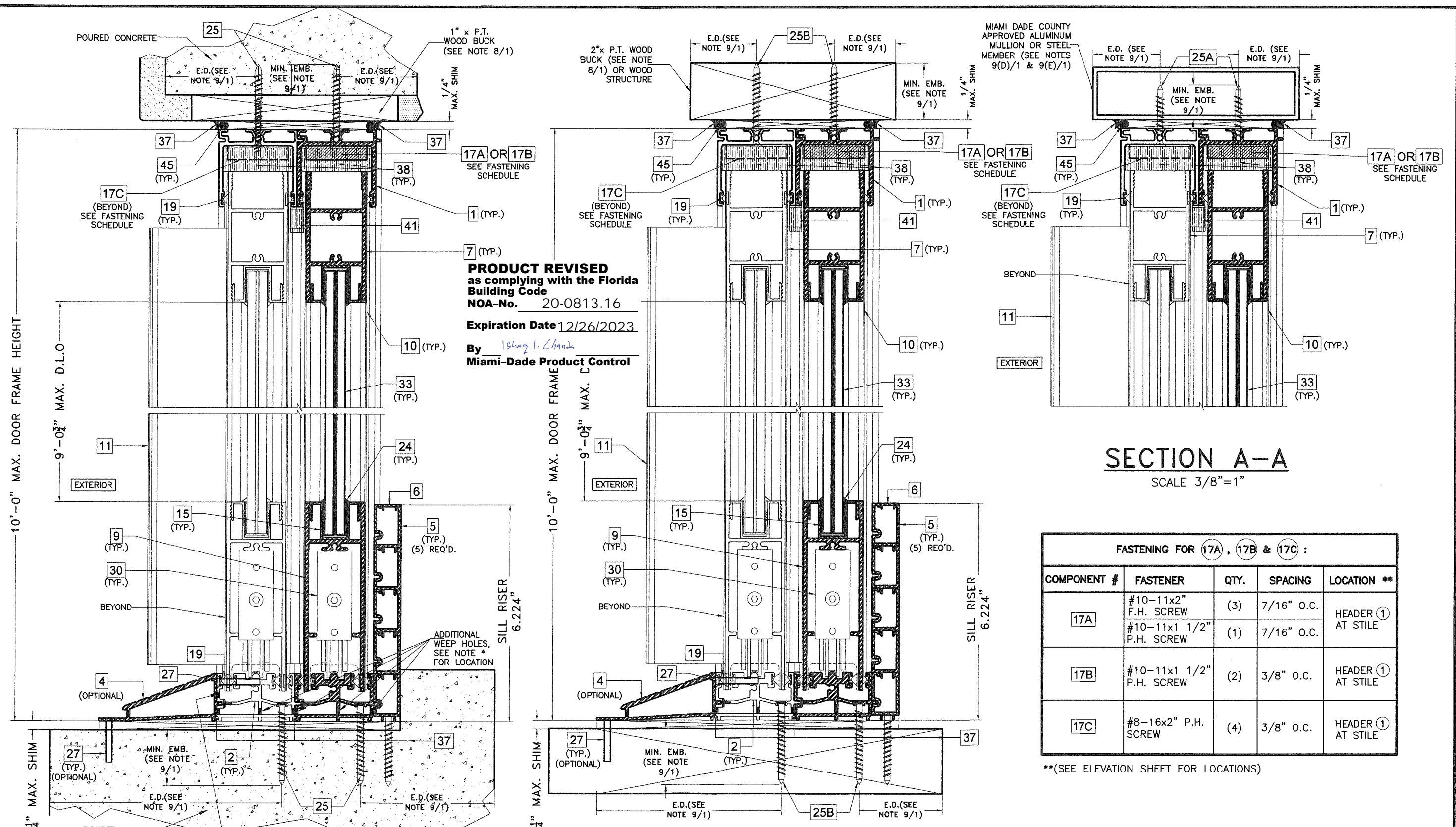
COMPONENT 44 SHALL BE ATTACHED TO THE HOOK LATCH ASSEMBLY THROUGH 0.226" Ø HOLES W/ (3) #8-28 x 3/16" LONG SCREWS W/ A #2 PHILLIPS, FLAT, UNDERCUT HEAD AND FLAT TIP.

**FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)**

		©2020 TILTECO, INC.		<b>SERIES 5000 HIGH PERFORMANCE HURRICANE RESISTANT SLIDING GLASS DOOR</b>		M.P. DRAWN BY:
		<b>TILTECO INC.</b> TILTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305) 871-1530 Fax : (305) 871-1531 CA-0006719 WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167		<b>GLASSTRA GROUP, LLC</b> P.O. BOX 146, Cataño, PR. 00963: Calle 4 Esq. A-7, Urb. Las Palmas Cataño P.R. 00962		06/26/2020 DATE:
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**SECTION A-A**  
 SCALE 3/8"=1"

FASTENING FOR 17A, 17B & 17C :				
COMPONENT #	FASTENER	QTY.	SPACING	LOCATION **
17A	#10-11x2" F.H. SCREW	(3)	7/16" O.C.	HEADER ① AT STILE
	#10-11x1 1/2" P.H. SCREW	(1)	7/16" O.C.	
17B	#10-11x1 1/2" P.H. SCREW	(2)	3/8" O.C.	HEADER ① AT STILE
17C	#8-16x2" P.H. SCREW	(4)	3/8" O.C.	HEADER ① AT STILE

\*\* (SEE ELEVATION SHEET FOR LOCATIONS)

**NOTE:**  
 ADDITIONAL WEEP HOLES AT INTERIOR & EXTERIOR FRAME SILL TRACK SHALL BE AS FOLLOWS:  
 1. (8) 1 7/8"x1/4" OVAL WEEP HOLES CUT THROUGH THE EXTERIOR AND CENTER WALLS, @ ±10" FROM EA. JAMB, SPACED @ ±24" O.C.  
 2. (10) 1/4" HOLE THROUGH THE EXTERIOR WALL, CENTER WALL AND INTERIOR WALL OF THE EXTERIOR FRAME SILL TRACK ② AND THE EXTERIOR AND CENTER WALL OF THE INTERIOR SILL TRACK 2 @ ±26" FROM EA. JAMB, SPACED @ ±12" O.C.  
 3. (34) 3/16" HOLES THROUGH THE EXTERIOR WALL, CENTER WALL AND INTERIOR WALL OF THE EXTERIOR FRAME SILL AND THE EXTERIOR AND CENTER WALL OF THE INTERIOR SILL TRACK 2 @ ±8 3/4" FROM EA. JAMB, SPACED @ ± 5/8".

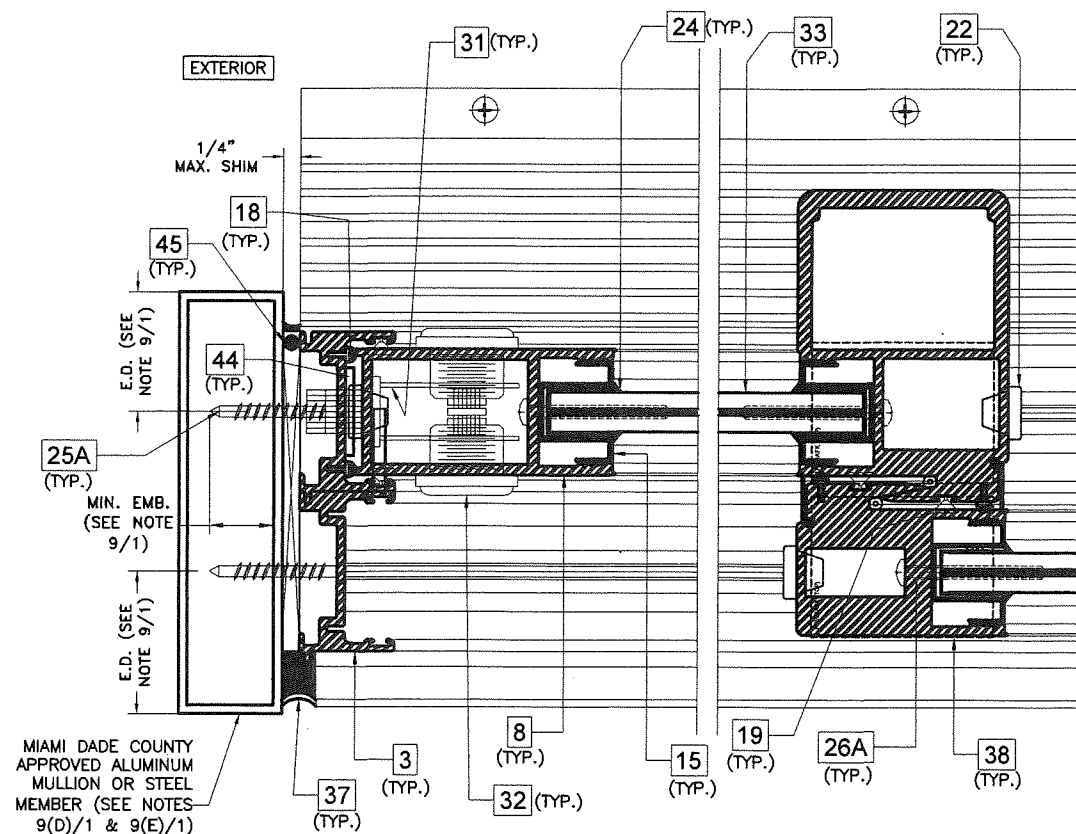
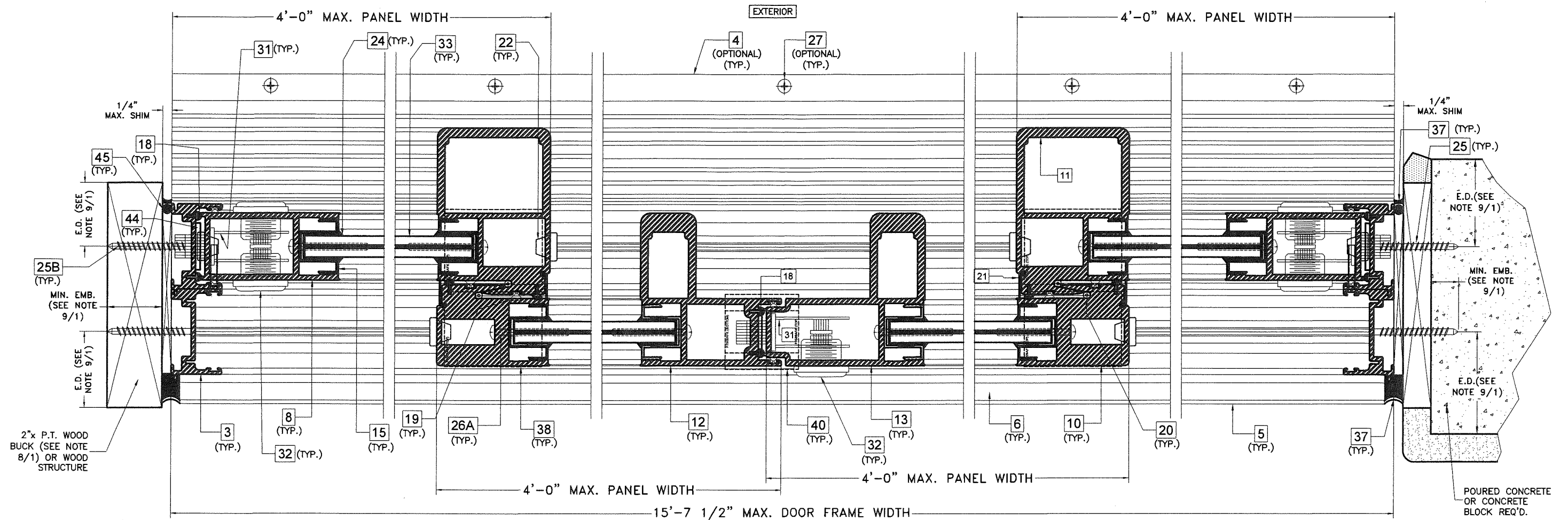
WALTER A. TILLIT JR.  
 LICENSE  
 No. 44167  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER  
 P.E. SEAL / SIGNATURE / DATE

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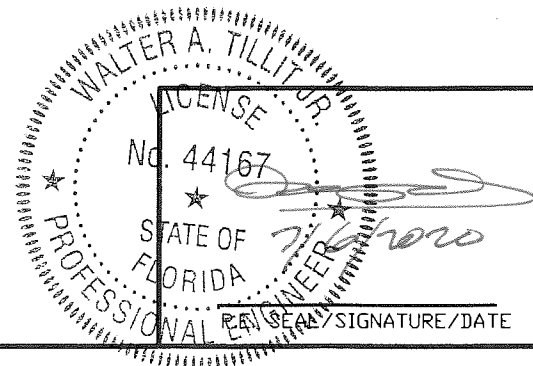
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## SECTION B-B

SCALE 3/8"=1"

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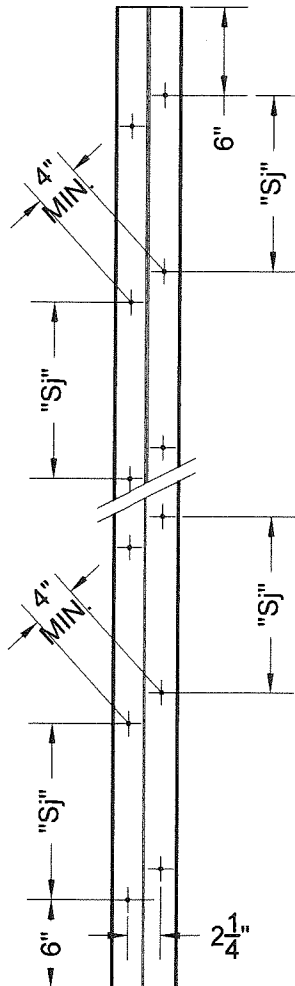
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MAX. ANCHORS SPACING "Sj" AT JAMBS CONNECTION SCHEDULE				
MAX. FRAME HEIGHT	MAX. ASD DESIGN PRESSURE RATING	SUBSTRATE	ANCHOR TYPE	MAX. ANCHOR SPACING "Sj"
10'-0"	75.0 psf.	POURED CONCRETE OR CONCRETE BLOCK	25	9 3/4"
		WOOD	25B	7"
		ALUMINUM OR STEEL	25A	11 1/2"

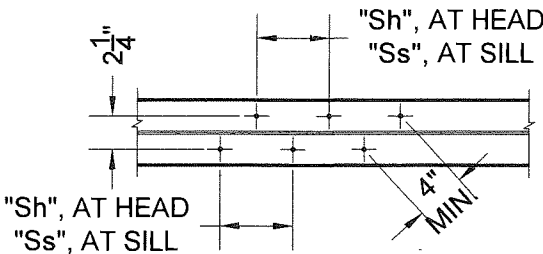
MAX. ANCHORS SPACING "Sh" AT HEAD IN BETWEEN CLUSTERS, CONNECTION SCHEDULE				
MAX. FRAME HEIGHT	MAX. ASD DESIGN PRESSURE RATING	SUBSTRATE	ANCHOR TYPE	MAX. ANCHOR SPACING "Sh"
10'-0"	75.0 psf.	POURED CONCRETE OR CONCRETE BLOCK	25	6"
		WOOD	25B	6"
		ALUMINUM OR STEEL	25A	6"
MAX. ANCHORS SPACING "Ss" AT SILL IN BETWEEN CLUSTERS, CONNECTION SCHEDULE				
MAX. FRAME HEIGHT	MAX. ASD DESIGN PRESSURE RATING	SUBSTRATE	ANCHOR TYPE	MAX. ANCHOR SPACING "Ss"
10'-0"	75.0 psf.	POURED CONCRETE OR CONCRETE BLOCK	25	8"
		WOOD	25B	8"
		ALUMINUM OR STEEL	25A	8"

MIN. NUMBER OF ANCHORS "n" AT CLUSTER AT HEAD CONNECTION SCHEDULE				
MAX. FRAME HEIGHT	MAX. ASD DESIGN PRESSURE RATING	SUBSTRATE	ANCHOR TYPE	TOTAL NUMBER OF ANCHORS "n"
10'-0"	75.0 psf.	POURED CONCRETE OR CONCRETE BLOCK	25	10
		WOOD	25B	12
		ALUMINUM OR STEEL	25A	8
MIN. NUMBER OF ANCHORS "n" AT CLUSTER AT SILL CONNECTION SCHEDULE				
MAX. FRAME HEIGHT	MAX. ASD DESIGN PRESSURE RATING	SUBSTRATE	ANCHOR TYPE	TOTAL NUMBER OF ANCHORS "n"
10'-0"	75.0 psf.	POURED CONCRETE OR CONCRETE BLOCK	25	12
		WOOD	25B	16
		ALUMINUM OR STEEL	25A	10

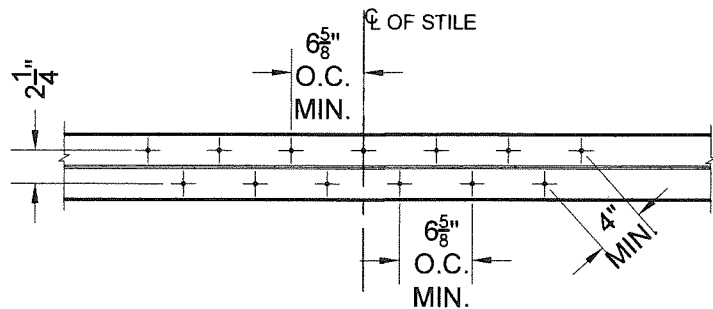


JAMB ANCHOR LOCATION (2 TRACKS)

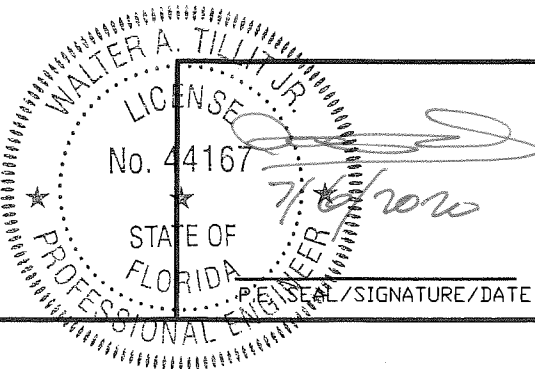
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HEAD/SILL ANCHOR  
SPACING (2 TRACKS)



HEAD/SILL CLUSTER ANCHOR  
LOCATION (2 TRACKS)



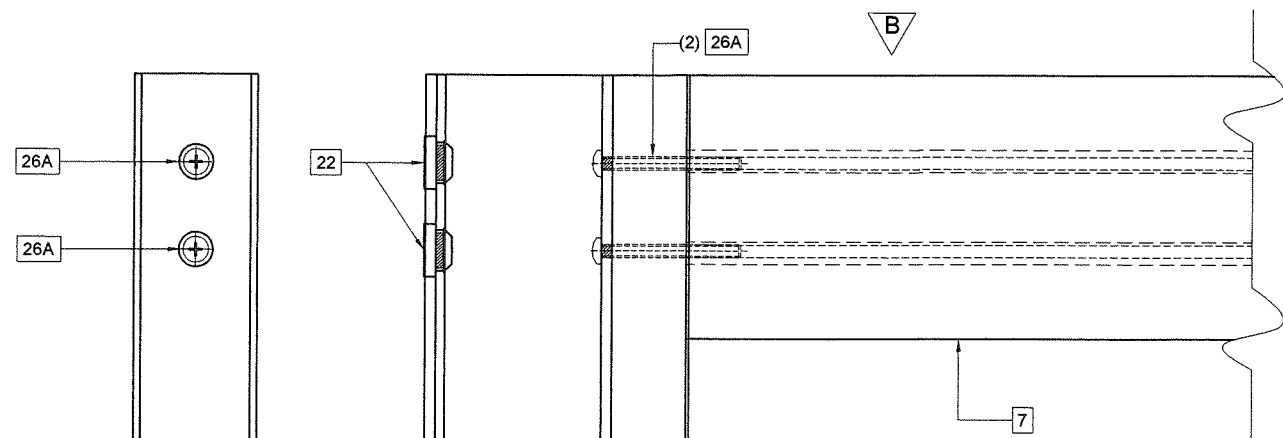
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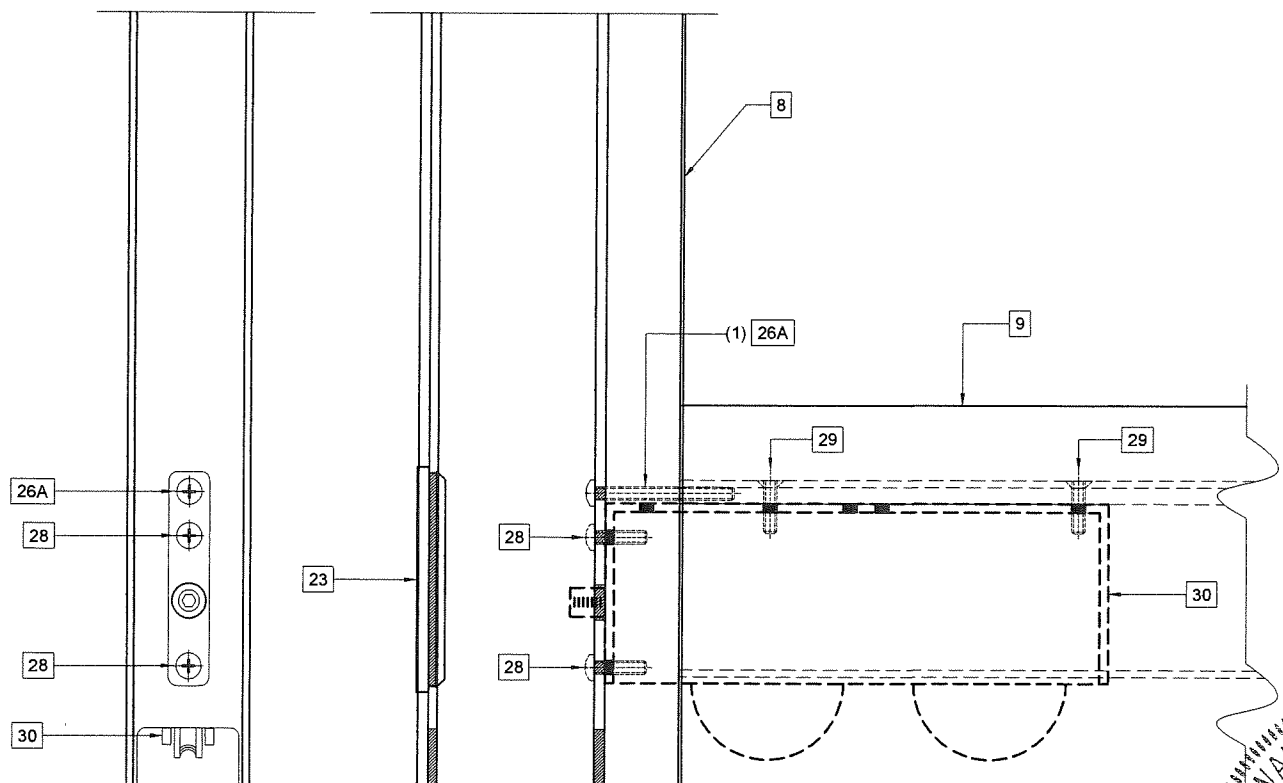
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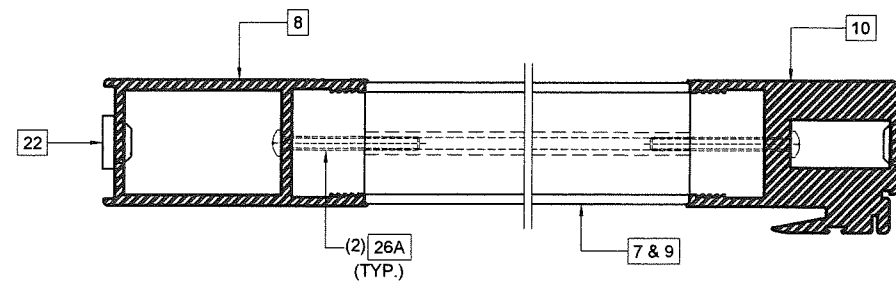


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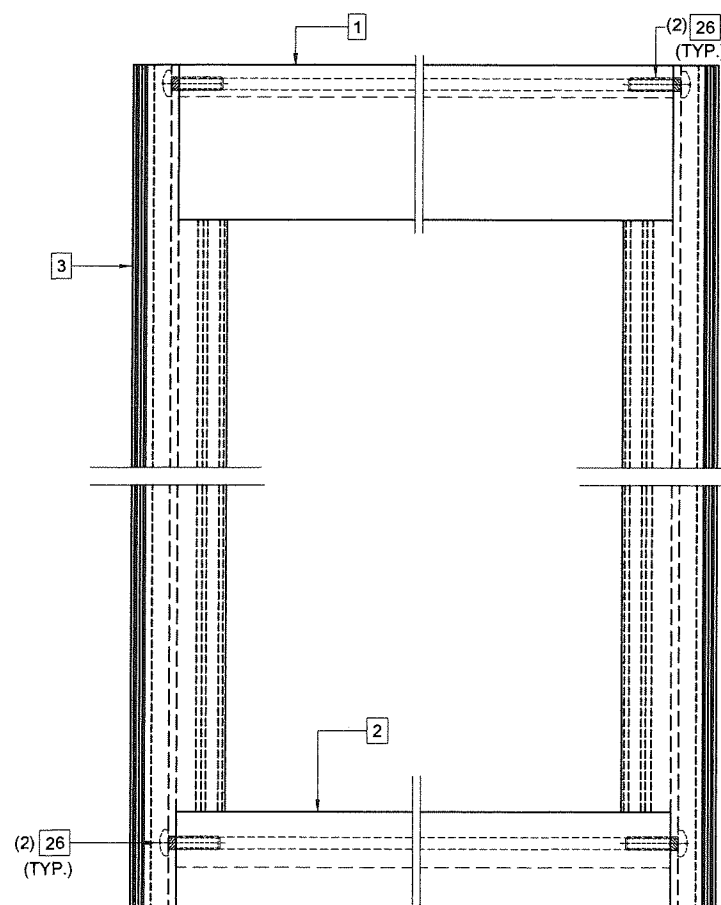


PANEL ASSEMBLY AND A- ROLLER ANCHOR DETAIL

**CORNER DETAILS**  
SCALE 3/8"=1"



B- STILE / INTERLOCK TO TOP AND BOTTOM RAILS SCREW DETAIL



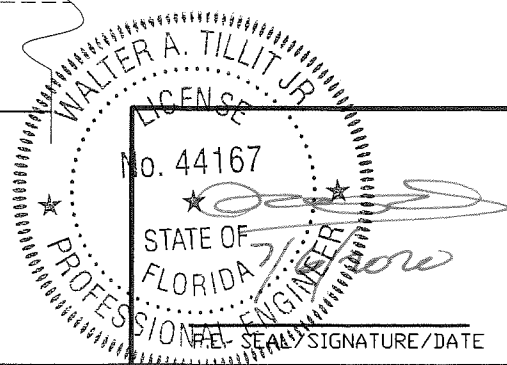
FRAME ASSEMBLY

**REQUIRED SEALANT SPECIFICATIONS:**

DOW CORNING 1199 SILICONE SEALANT  
COMPONENT 37A AT THE FOLLOWING  
LOCATIONS:

1. AT EACH CORNER WHERE THE JAMBS ARE ATTACHED TO THE FRAME HEAD OR SILL IS CONNECTED IN A BED OF SEALANT.
2. A BEAD ALONG EACH MALE TO FEMALE MATED INTERFACE OF THE TWO (2) PIECE FRAME HEAD, FRAME SILL, AND JAMB.
3. A BEAD ALONG THE JOINT BETWEEN EACH TWO (2) PIECE FRAME HEAD, FRAME SILL AND JAMB.
4. A BEAD ALONG THE INTERIOR AND EXTERIOR EDGES OF EACH LAYER OF SILL RISE.
5. A BED BEHIND THE ASSEMBLED SILL RISE ALONG THE INTERIOR SIDE OF THE FRAME SILL TRACK AND UP EACH JAMB.
6. A BEAD ALONG THE INTERIOR AND EXTERIOR EDGES OF THE 5th LAYER OF SILL RISE, PRIOR TO ADDING THE SILL RISE SNAP-IN.

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RESISTANT SLIDING GLASS DOOR**

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