

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION

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www.miamidade.gov/economy

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

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. **23-163** (Former 20-141), titled "Series 5000 High Performance Sliding glass Door", sheets 1 thru 8 of 8, prepared by Tilteco Inc, dated 08/09/2023 and last revised on 08/09/2023 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 and renews NOA # 20-0813.16 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 **Sifang Zhao**, **P.E.**



5,2. 11/09/2023

NOA No. 23-0823.10 Expiration Date: December 26, 2028 Approval Date: November 09, 2023

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/ ASTME-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 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. Lab compliance letter, part of the test report.
- 3. 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.

G. OTHER

1. None.

Sifang Zhao, P.E. Product Control Examiner NOA No. 23-0823.10 Expiration Date: December 26, 2028

Approval Date: November 09, 2023

Glasstra Group, LLC.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. New Evidence submitted

A. DRAWINGS

1. Drawing No. **23-162**, titled "Series 5000 High Performance Sliding glass Door", sheets 1 thru 8 of 8, prepared by Tilteco Inc, dated 08/09/2023 and last revised on 08/09/2023 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. 23-0717.30 issued to Kuraray America, Inc for the "Sentry Glass® (Clear and White) Glass Interlayers", expiring on 07 /04/28.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 8**th **Edition (2020)**, and of no financial interest, dated August 09, 2023, issued by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E.

G. OTHER

1. This NOA revises and renews NOA # 20-0813.16 and updates to FBC 2023, expiring December 26, 2023.

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Sifang Zhao, P.E.
Product Control Examiner
NOA No. 23-0823.10
Expiration Date: December 26, 2028
Approval Date: November 09, 2023

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 2023 (8th 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 7-22 (FBC 2023) 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 7-22 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.

- 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 pmf.
- 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 AND 2020 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" 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 258).
- (D) TO EXISTING MIN. 1/8" THICK ALUMINUM MEMBER (6063-T5 ALLOY) MIN. EDGE DISTANCE = 1/2".

 1/4"ø TEK SCREW (Fy=92 ksl, Fu=120 ksl) 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 [254]).
- 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.

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

THE THEFT IS

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0823.10

Expiration Date $\underline{12/26/2028}$

By Miami-Dade Product Control

P.E. SEAL/SIGNATURE/DATE

WHITE A. TILLIT

No. 44167

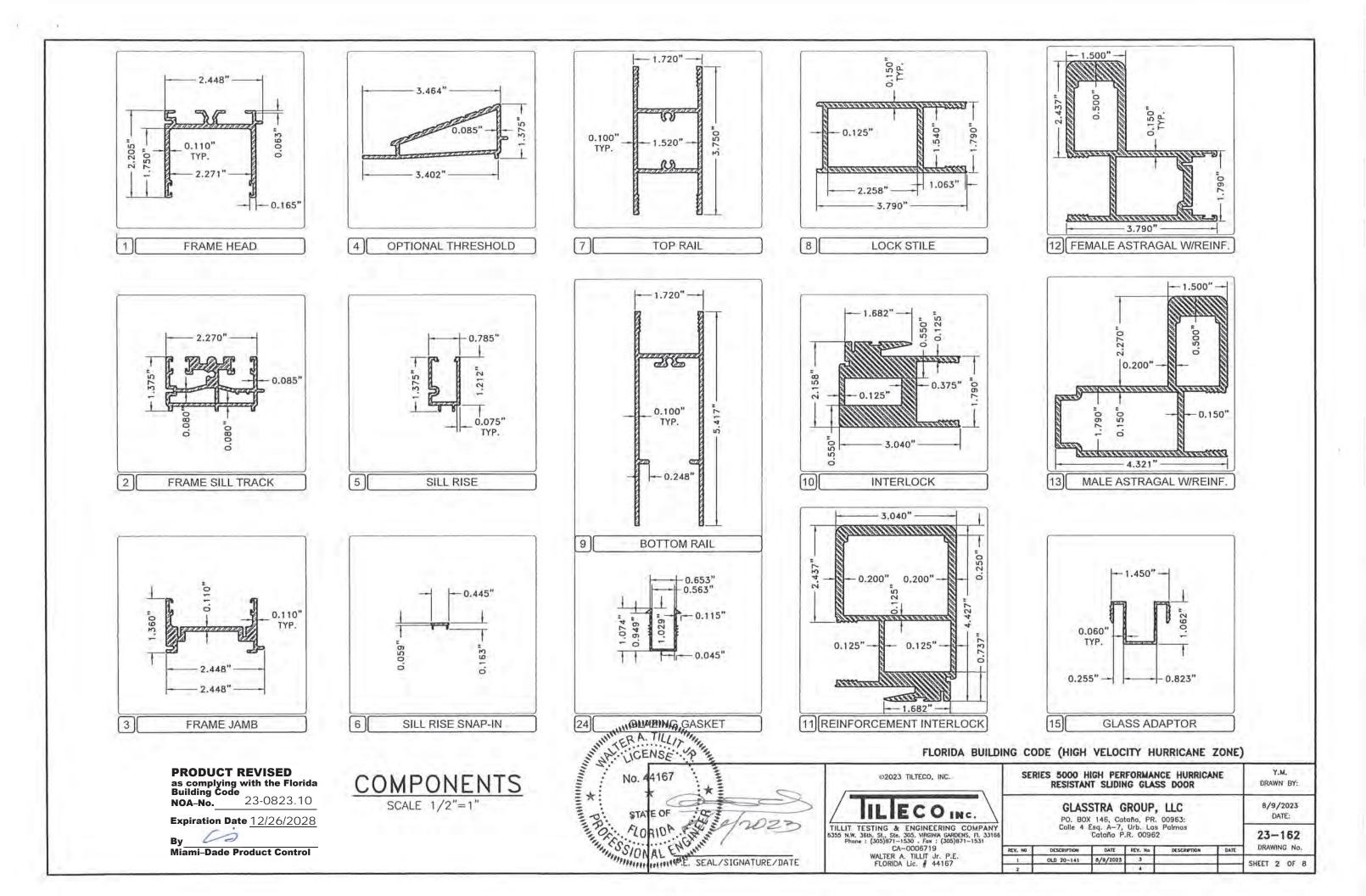
DECOMPANY

TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Stc. 305. VIRGINIA GARDENS, FI. 33166
Phone: (305)871-1530, Fox: (305)871-1531

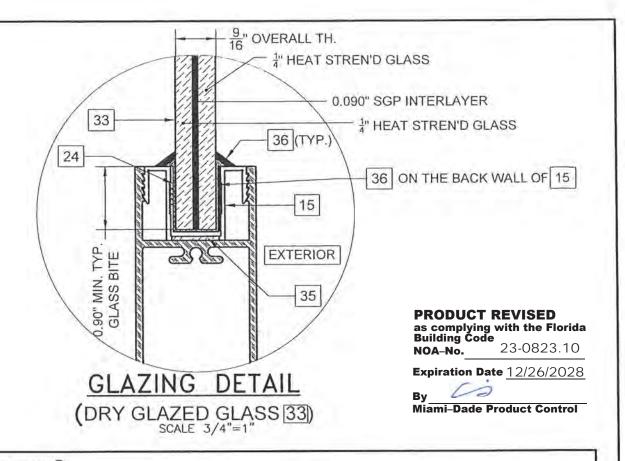
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WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)



TTOS	I DADTNO I	BILL OF MATERIALS	MANE / CUIDDIEC / DEMAKS
ITEM	PART NO.	DESCRIPTION	MANF. / SUPPLES / REMAKS
1	18713	FRAME HEAD	ALUMINUM ALLOY 6063-T5 ALUMINUM ALLOY 6063-T5
2	18714	FRAME SILL TRACK	
3	18715	FRAME JAMB	ALUMINUM ALLOY 6063-T5 ALUMINUM ALLOY 6063-T5
5	18716	OPTIONAL THRESHOLD	ALUMINUM ALLOY 6063-T5
6	18717 15609	SILL RISE 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
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
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
178	16540	1 7/8" x 4" x 3/8"TH. FLAT BAR	ALUMINUM ALLOY 6063-T5
17C	16540	1 7/8" x2" x 3/8"TH. FLAT BAR	ALUMINUM ALLOY 6063-T5 BY SCHLEGEL, SEE SECTION B-B O
[18]	QEZD175	Q-PRO LONG	SHEET 6 FOR LOCATION BY ULTRAFAB. SEE SECTION A-A OF
19]	WU3255NK000B	TRI FIN WEATHER SEAL	SHEET 5 FOR LOCATION
20	SS185B	ਜ਼ੌ" Ø HOLLOW CORE VINYL	BY CRL
21	D-238	COLORITE POLYMERS 10013G-015	VYNIL COMPOUND, BY MSW LLC.
[22]	MA-31163	½" 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	7	#12 SS WOOD SCREW	TEDDY DIAZ
26		S.S. # 10 X 3" PH SCREW	TEDDY DIAZ
26A		S.S. # 10-16 X 2 ¹ / ₂ " PH SCREW	TEDDY DIAZ
[27]		S.S. # 10 X 1 ½" FH SCREW	TEDDY DIAZ
27A	-	3/16" Ø TAPCON W/1 4" EMBEDMENT.	BY ITW/BUILDEX
28	J	S,S, ¼" X ¾" PH METRIC SCREW	TEDDY DIAZ
29	1 1	S.S. 4" X 3"" FH METRIC SCREW	TEDDY DIAZ
[30]	GTT15006HKA	NYLON WHEELS (2 1/Ø) IN STEEL CASING	ZAMAK ZL5, BY MANUFACTURA PABOSE
31	2333	MS 18505 HOOK BOLT MORTISE LOCK ZP 1 ½" BACK SET. SEE NOTE **	STEEL W/ SS TONGUE, BY REGENT
32	2604	THURMBTURN CYLINDER	BY DELTA INDUSTRIAL
33		16" NOMINAL LAMINATED GLASS W/ 17" HS, GLASS+0,090" SGP INTERLAYER BY KURARAY +1/4" HS.	GLASS
35	SB561	र्तः" TH . SETTING BLOCK	NEOPRENE 80 DUROMETER HARDNES
[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 g"	BY ULTRAFAB. SEE SECTION A-A OF 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 OF SHEET 6 FOR LOCATION
41	P7509AFK	PILE WEATHERSTRIPPING ៖ X 1"	BY ULTRAFAB. SEE SECTION A-A OF SHEET 5 FOR LOCATION
44	2335HC1	FACE PLATE, SEE NOTE ***	ALUMINUM, BY REGENT
45		CLOSED CELL BACKER ROD	C.R. LAURENCE.



NOTE *:

REQUIRED LOCATIONS AT FRAME(1):

1. W/8"LONG, ATTACHED TO THE UNDERSIDE OF (17A)IN THE INTERIOR (1) @ 94" O.C FROM THE LEFT JAMB.

- 2. W/ 4" LONG, ATTACHED TO THE UNDERSIDE OF (7B)IN THE INTERIOR (1) @ 142 3/8" O.C FROM THE LEFT JAMB.
- 3. W/ 2" LONG, ATTACHED TO THE UNDERSIDE OF (TQ)IN THE EXTERIOR (1) @ 48 3/8" O.C FROM THE LEFT JAMB.
- 4. W/7" LONG, ATTACHED TO THE TOP OF THE INTERIOR (1), DIRECTLY ABOVE THE LEFT STILE OF THE LEFT OPERABLE PANEL.
- 5. W/7" LONG, ATTACHED TO THE TOP OF THE INTERIOR (1), DIRECTLY ABOVE THE RIGHT STILE OF THE RIGHT OPERABLE PANEL.
- 6. 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.

COMPONENT (4) 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, FLAY ONDERCUT HEAD AND FLAT TIP.



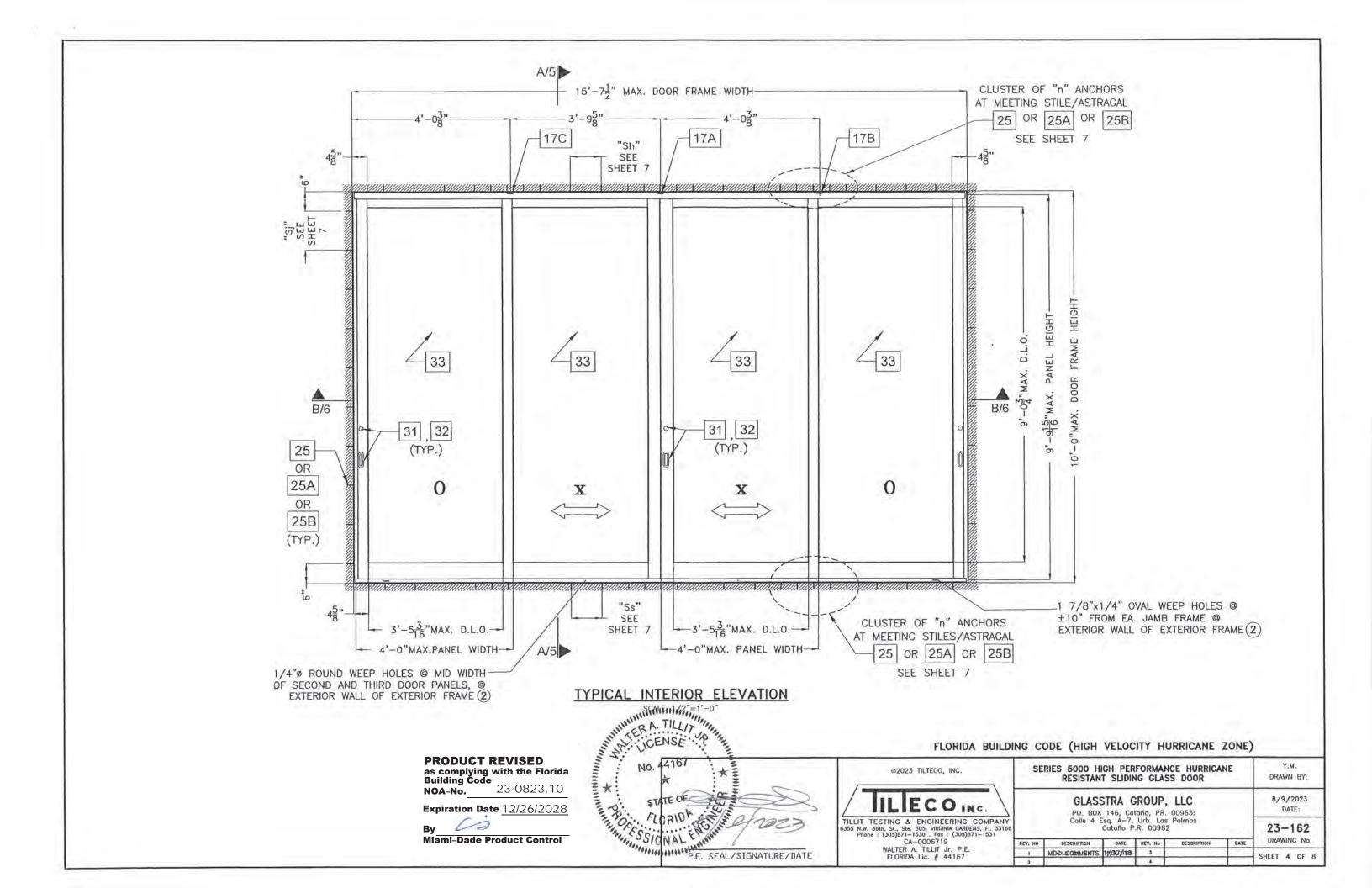
P.E. SEAL/SIGNATURE/DATE

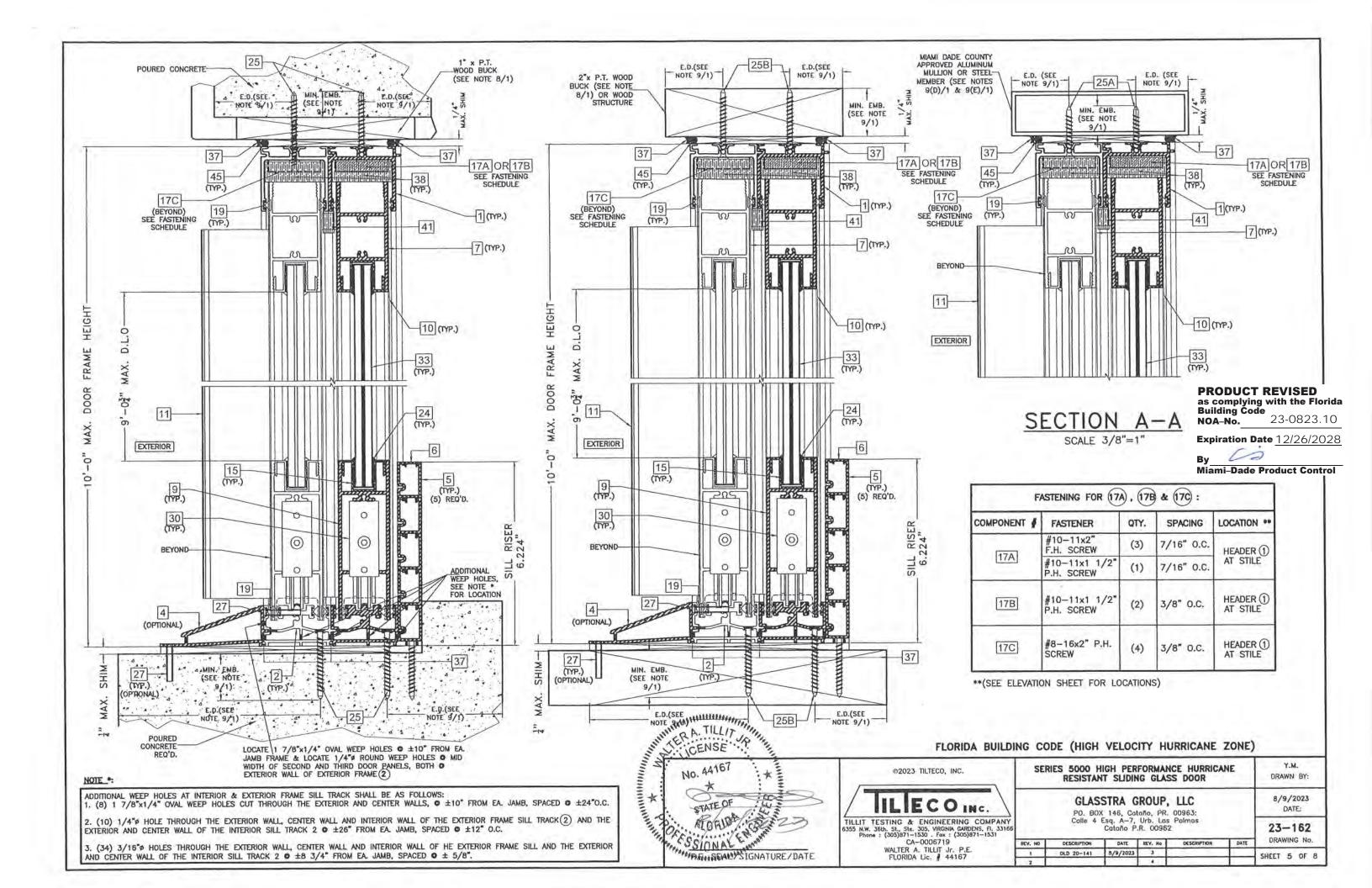
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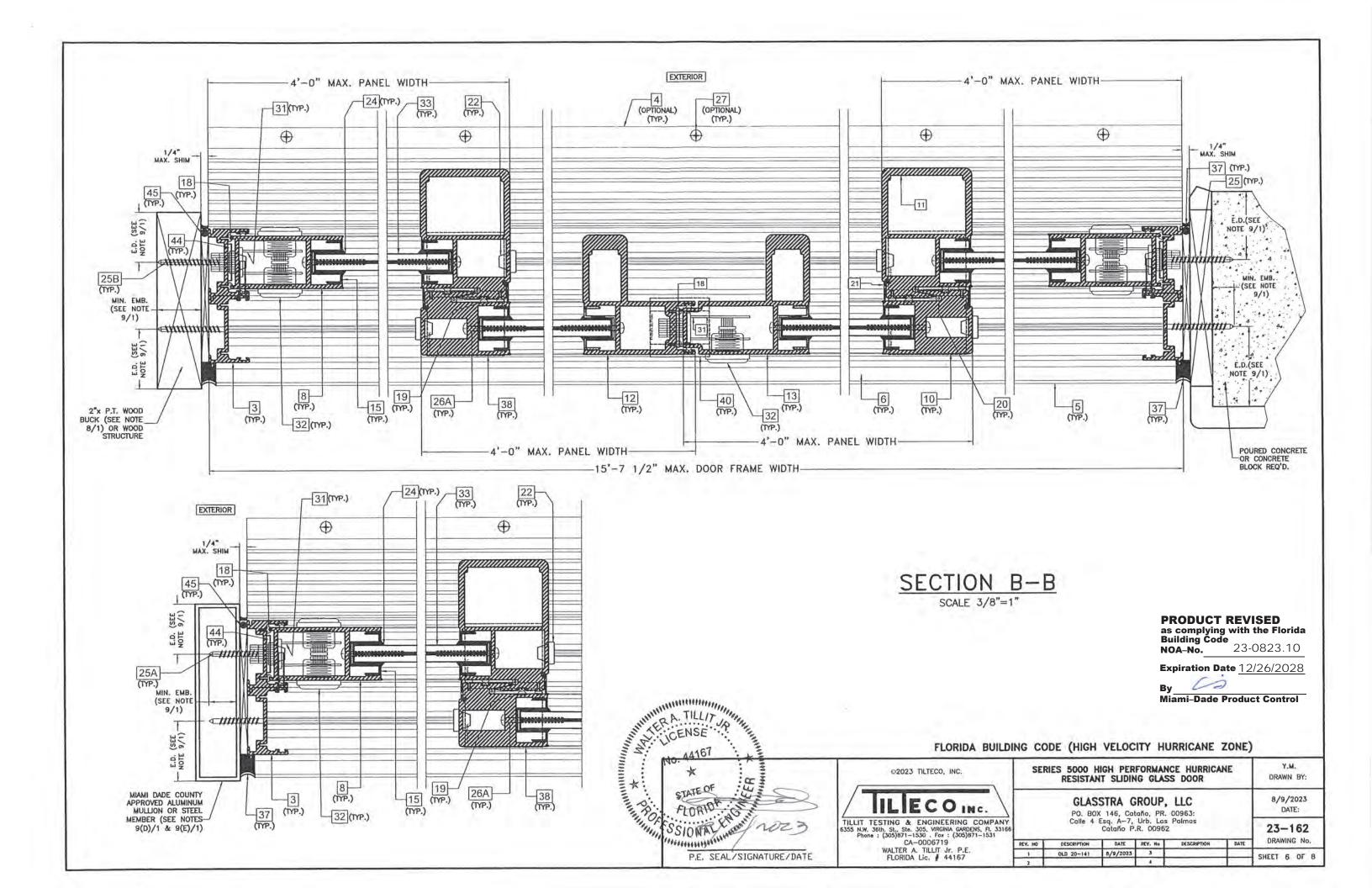
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. JSth. St., Ste. 305, WRSINIA GARDENS, JR. 33166
Phone: (305)871-1530 . Fox: (305)871-1531 CA-0006719 WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167

Y.M. SERIES 5000 HIGH PERFORMANCE HURRICANE DRAWN BY: RESISTANT SLIDING GLASS DOOR 8/9/2023 GLASSTRA GROUP, LLC DATE: PO. BOX 146, Cataño, PR. 00963: Colle 4 Esq. A-7, Urb. Las Palmas Cataño P.R. 00962 23-162 DRAWING No. DESCRIPTION DATE REY. Ho REV. NO OLD 20-141 8/9/2023 3 SHEET 3 OF 8

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)





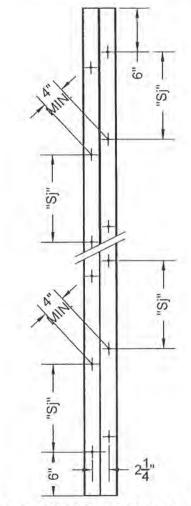


MAX. FRAME HEIGHT	MAX. ASD DESIGN PRESSURE RATING		ANCHOR TYPE	MAX. ANCHOR SPACING "Sj"
	75.0 psf.	POURED CONCRETE OR CONCRETE BLOCK	25	9 3/4"
10'-0"		WOOD	[25B]	7"
		ALUMINUM OR STEEL	25A	11 1/2"

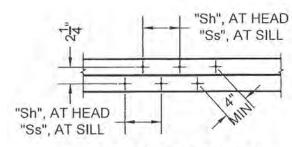
MAX. FRAME HEIGHT	MAX. ASD DESIGN PRESSURE RATING	SUBSTRATE	ANCHOR TYPE	MAX. ANCHOR SPACING "Sh"
	75.0 psf.	POURED CONCRETE OR CONCRETE BLOCK	25	6"
10'-0"		WOOD	25B	6"
		ALUMINUM OR STEEL	25A	6"
MAX.	NCHORS SPACING	"Ss" AT SILL IN I		CLUSTERS,
SAMOVING A SAMOVA			ANIGUOD	Adam adams
MAX. FRAME HEIGHT	MAX. ASD DESIGN PRESSURE RATING	SUBSTRATE	ANCHOR TYPE	SPACING "Ss"
AND ACTION OF SECURITY		POURED CONCRETE OR CONCRETE BLOCK	1 CONTRACTOR OF THE PROPERTY O	MAX. ANCHOR SPACING "Ss"
AND ACTION OF SECURITY		POURED CONCRETE OR	TYPE	SPACING "Ss"

MAX. ANCHORS SPACING "Sh" AT HEAD IN BETWEEN CLUSTERS, CONNECTION SCHEDULE

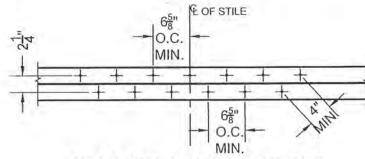
М	IN. NUMBER OF AN	NCHORS "n" AT O		T HEAD
MAX. FRAME HEIGHT	MAX. ASD DESIGN PRESSURE RATING	SUBSTRATE	ANCHOR TYPE	TOTAL NUMBER OF ANCHORS "n"
10'-0"	75.0 psf.	POURED CONCRETE OR CONCRETE BLOCK	25	10
		WOOD	25B	12
		ALUMINUM OR STEEL	25A	8
N	IN. NUMBER OF A	NCHORS "n" AT		AT SILL
MAX. FRAME HEIGHT	MAX. ASD DESIGN PRESSURE RATING	SUBSTRATE	ANCHOR TYPE	TOTAL NUMBER OF ANCHORS "n"
	75.0 psf.	POURED CONCRETE OR CONCRETE BLOCK	25	12
10'-0"		WOOD	25B	16
		ALUMINUM OR STEEL	25A	10



JAMB ANCHOR LOCATION (2 TRACKS)



HEAD/SILL ANCHOR SPACING (2 TRACKS)

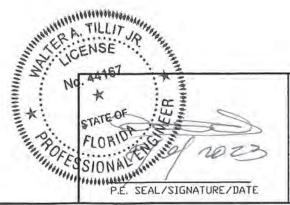


HEAD/SILL CLUSTER ANCHOR LOCATION (2 TRACKS)

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0823.10

Expiration Date 12/26/2028

Miami-Dade Product Control



D2023 TILTECO, INC.

TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, WRGINIA GARDHS, Pl. 33165
Phone: (305)871-1530 . Few: (305)871-1531
CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

SERIES 5000 HIGH PERFORMANCE HURRICANE RESISTANT SLIDING GLASS DOOR

GLASSTRA GROUP, LLC
PO. BOX 146, Cataño, PR. D0963:
Calle 4 Esq. A-7, Urb. Las Polmas
Cataño P.R. 00962

For: (309)871-1531
6719
REV. HO DESCRIPTION DATE REV. HO DESCRIPTION DATE
1 OLD 20-141 8/9/2023 3 SHEET 7 OF 8

