

FLORIDA DEPARTMENT OF
Business & Professional Regulation



[BCIS Home](#) |
 [Log In](#) |
 [User Registration](#) |
 [Hot Topics](#) |
 [Submit Surcharge](#) |
 [Stats & Facts](#) |
 [Publications](#) |
 [Contact Us](#) |
 [BCIS Site Map](#) |
 [Links](#) |
 [Search](#)



Product Approval
USER: Public User

[Product Approval Menu](#) >
 [Product or Application Search](#) >
 [Application List](#) >
 Application Detail

OFFICE OF THE
SECRETARY

FL #

Application Type

Code Version

Application Status

FL41916-R2

Revision

2023

Approved

Comments

Archived



Product Manufacturer

Address/Phone/Email

Americas Best Windows & Doors

1350 Park Central Blvd. S.

Pompano Beach, FL 33064

(954) 973-1362

abilitycorporation@live.com

Authorized Signature

Felix Altamuro

abilitycorporation@live.com

Technical Representative

Address/Phone/Email

Quality Assurance Representative

Address/Phone/Email

Category

Subcategory

Exterior Doors

Sliding Exterior Door Assemblies

Compliance Method

Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer

☐ Evaluation Report - Hardcopy Received

Florida Engineer or Architect Name who developed the Evaluation Report

Florida License

Quality Assurance Entity

Quality Assurance Contract Expiration Date

Validated By

Walter A. Tillit Jr., P.E.

PE-44167

Keystone Certifications, Inc.

02/09/2033

John W. Knezevich, PE

☒ Validation Checklist - Hardcopy Received

Certificate of Independence

[FL41916_R2_COI_COI Drwg 23-188 Americas Best Window Door.pdf](#)

Referenced Standard and Year (of Standard)

Standard

ASTM E1300

TAS 201

TAS 202

TAS 203

Year

2009

1994

1994

1994

Equivalence of Product Standards

Certified By

Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted

10/01/2023

Date Validated

10/18/2023

Date Pending FBC Approval

10/27/2023

Date Approved

12/13/2023

Summary of Products

FL #	Model, Number or Name	Description
41916.1	2 & 3 Track AB-2300 Aluminum Sliding Glass Door	2 & 3 Track Large Missile Impact Resistant Aluminum Sliding Glass Door
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +65/-80 Other: Large and small missile impact resistant. See Item 7 of the Evaluation Report for limitations.		Installation Instructions FL41916_R2_II_PED Drwg 23-188 Americas Best Window Door.pdf Verified By: Walter A. Tillit Jr., P.E. PE 44167 Created by Independent Third Party: Yes Evaluation Reports FL41916_R2_AE_PER Drwg 23-188 Americas Best Window Door.pdf Created by Independent Third Party: Yes

[Back](#)
[Next](#)

Contact Us :: 2601 Blair Stone Road, Tallahassee FL 32399 Phone: 850-487-1824

The State of Florida is an AA/EEO employer. [Copyright 2007-2013 State of Florida](#). :: [Privacy Statement](#) :: [Accessibility Statement](#) :: [Refund Statement](#)

Under Florida law, email addresses are public records. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. *Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S.; must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. To determine if you are a licensee under Chapter 455, F.S., please click [here](#).

Product Approval Accepts:







WALTER A. TILLIT, JR., P.E.

tilteco@aol.com
FL P.E. License No. 44167
FL C.A. License No. 0006719

PRODUCT EVALUATION REPORT

REPORT No.: 23-0817.13

DATE: August 17, 2023

PRODUCT CATEGORY: Exterior Doors

PRODUCT SUB-CATEGORY: Sliding Exterior Door Assemblies

PRODUCT NAME: 2 & 3 TRACK AB-2300 ALUMINUM SLIDING
GLASS DOOR (L.M.I)

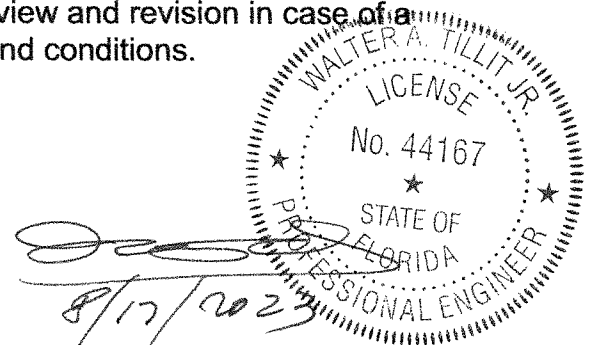
MANUFACTURER: **AMERICA'S BEST WINDOWS & DOORS**
1350 PARK CENTRAL BLVD.
POMPAÑO BEACH, FL 33064

1. PURPOSE OF EVALUATION:

This is a Product Evaluation Report issued by **Walter A. Tillit, Jr., P.E.** (System ID # 1906) to **America's Best Windows & Doors** based on Rule Chapter No. 61G20-3, Method 1D of the Florida Department of Business and Professional Regulation.

This product is being issued an Evaluation Report as described herein and has been verified for compliance in accordance with the 2023 8th Edition of the Florida Building Code, and to verify that the product is for the purpose intended at least equivalent to that required by the Code.

This Product Evaluation Report shall be subject to review and revision in case of a Building Code change that may affect its limitations and conditions.



2. EVIDENCE SUBMITTED:

2.1. PRODUCT EVALUATION DOCUMENT (P.E.D.):

Drawing No. 23-188, titled "2 & 3TRACK AB-2300 ALUMINUM SLIDING GLASS DOOR (L.M.I)" sheets 1 thru 21 prepared by Tilteco, Inc.; signed and sealed by Walter A. Tillit, Jr., P.E.; dated 8/17/2023. This drawing is an integral part of this Evaluation Report.

2.2. TEST REPORTS:

Impact and Cyclic Tests as per protocol TAS-201, TAS-203, Uniform Static Load as per Protocol TAS 202 per sections 1626 and 1609.1.2, respectively of the Florida Building Code.

Test reports prepared by American Test Lab of South Florida, Report No. 0111.01-23, dated 02/03/2023 signed and sealed by Stephan W. Warter P.E.

2.3. STRUCTURAL ENGINEERING CALCULATIONS:

On "2 & 3 TRACK AB-2300 ALUMINUM SLIDING GLASS DOOR (L.M.I)" for Maximum Pressure Rating vs. Maximum anchor spacing, maximum width and height and Maximum Glass Size, based on rational, comparative analysis and ASTM E-1300 -09a, in accordance with sections 1604, 1616 and 2404.1 of the Florida Building Code. Calculations Prepared by Tilteco, Inc., dated 2/1/2023 & 6/22/2023, signed and sealed by Walter A. Tillit, Jr., P.E.

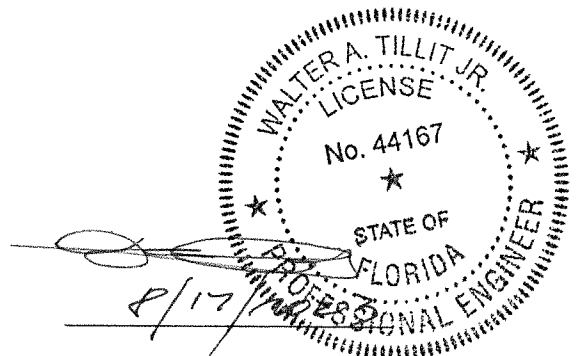
3. MISSILE IMPACT RESISTANCE:

Large Missile Impact resistance is provided per TAS 201 (9 lbs., 50 feet/sec, Large Missile).

4. WIND LOADS RESISTANCE:

On "2 & 3 TRACK AB-2300 ALUMINUM SLIDING GLASS DOOR (L.M.I)" has been verified to keep sustain wind pressures. Maximum Glass Panel Dimensions, Panel Width, & Panel Height shall be as indicated on sheets 5 and 15 of Product Evaluation Document (P.E.D), Drawing No. 23-188.

Maximum Design Pressure Rating for Stiles Top and Bottom connections with Fasteners Clusters for applicable substrates shall be as indicated on sheets 5 & 15, of Product Evaluation Document (P.E.D), Drawing No.23-188.



5. INSTALLATION:

Installation shall be performed strictly in accordance with General Notes # 1 thru 7 and 9 thru 11, indicated on sheet 1 and details indicated on sheets 6 thru 11 and 16 thru 21 of Product Evaluation Document (P.E.D.), drawing No. **23-188**.

Gaskets and setting blocks used at installations comply with section 2411.3.4 of the Florida Building Code as specified on Bill of Materials on Sheets 2 and 12, of Product Evaluation Document (P.E.D.), drawing No. **23-188**.

6. MATERIAL CHARACTERISTICS AND SPECIFICATIONS:

Shall be strictly in accordance with General Notes and Components indicated on sheets 2 thru 4, and 12 thru 14 of Product Evaluation Document (P.E.D.), Drawing No. **23-188**.

Anchor specifications shall be as indicated on Note 8, sheet 1 of Product Evaluation Document (P.E.D.), Drawing No. **23-188**.

7. LIMITATIONS AND CONDITIONS OF USE:

7.1. Shall be strictly in compliance with General Notes No. 1 thru 5, indicated on sheet 1 of Product Evaluation Document (P.E.D.), Drawing No. **23-188** prepared by Tilteco, Inc. and signed and sealed by Walter A. Tillit, Jr., P.E.

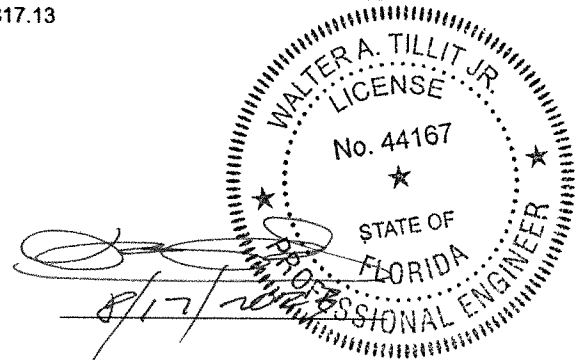
7.2. Product **may** be installed within HIGH VELOCITY HURRICANE ZONES as defined on section 202 of the Florida Building Code and out of it.

7.3. Product shall only be installed into substrates with limitations as indicated on sheets 5, 15 and General Note 8, sheet 1 of Product Evaluation Document (P.E.D.), Drawing No. **23-188**.

Product Evaluation Report prepared by Walter A. Tillit, Jr., P.E. (Florida License No. 44167), President of Tilteco, Inc. (Florida CA-0006719).

WAT\ma

D:\TILTECO ADMIN RECORDS \ P. E. REPORT.23 \ AMERICA'S BEST WINDOWS & DOORS \ 2 & 3 TRACK AB-2300
ALUMINUM SLIDING GLASS DOOR (L.M.I) \ DRWG # 23-188 \ REPORT # 23-0817.13



GENERAL NOTES:

1. (2) & (3) TRACK AB-2300 ALUMINUM SLIDING GLASS DOOR LARGE MISSILE IMPACT, SHOWN ON THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2023 (8th EDITION) OF THE FLORIDA BUILDING CODE. (2) & (3) TRACK AB-2300 ALUMINUM SLIDING GLASS DOOR (L.M.I) MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES. (H.V.H.Z) AND OUT OF IT (N.H.V.H.Z).

DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTIONS 1620 AND 1609 OF THE ABOVE MENTIONED CODE, USING ASCE 7-22 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 7-22 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.E.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. THIS DOOR'S ADEQUACY FOR IMPACT AND WIND RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTIONS 1626 & 1609.1.2 OF THE ABOVE MENTIONED CODE AS PER PROTOCOLS TAS-201, TAS-202, TAS-203, PER AMERICAN TESTING LAB. OF SOUTH FLORIDA REPORT # 0111.01-03 AND AS PER SUBMITTED STRUCTURAL CALCULATIONS, PERFORMED AS PER SECTIONS 1616 & 1604 OF THE FLORIDA BUILDING CODE. GLASS VERIFIED PER ASTM E-1300, PER SECTION 2404.1 OF THR FLORIDA BUILDING CODE.

2. REMAINING COMPONENTS FOR THIS SLIDING GLASS DOOR SYSTEM SHALL BE AS INDICATED ON BILL OF MATERIALS AND COMPONENTS ON SHEETS 2 , 3 , & 4 RESPECTIVELY OF THIS DRAWING. ALL ALUMINUM EXTRUSIONS IN CONTACT WITH DISSIMILAR MATERIALS SHALL COMPLY WITH SECTION III-6 OF THE 2020 ALUMINUM DESIGN MANUAL.

3. MAXIMUM A.S.D. DESIGN PRESSURE RATING FOR PRODUCT IS + 65.0, -80.0 p.s.f. SEE DOOR ELEVATIONS ON SHEETS 6 AND 7 FOR QUALIFIED CONFIGURATIONS.

4. THIS (2) AND (3) TRACK HIGH IMPACT SLIDING GLASS DOOR WILL NOT REQUIRE A HURRICANE PROTECTION DEVICE.

5. THIS (2) AND (3) TRACK HIGH IMPACT SLIDING GLASS DOOR IS APPROVED FOR AIR AND WATER INFILTRATION.

6 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.

7. 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 SECTION 2411.3.3.3 OF THE FLORIDA BUILDING CODE.

(7.1) 2X WOOD BUCKS MUST BE PROPERLY ANCHORED TO EXISTING STRUCTURE TO TRANSFER LOADS TO IT. ANCHORAGE IS INDEPENDENT OF DOOR FRAME ANCHORAGE. DOOR FRAME MUST BE SEPARATELY ANCHORED TO 2X WOOD BUCK FOLLOWING DETAILS ON THIS DRAWING.

(7.2) 1X WOOD BUCK (OR ANY WOOD BUCK LESS THAN 2X) MUST BE PROPERLY ANCHORED TO EXISTING STRUCTURE TO TRANSFER LOADS TO IT. DOOR FRAME ANCHOR SHALL BE USED TO ATTACH 1X WOOD BUCK TO EXISTING STRUCTURE BY DRIVING ANCHOR THRU BOTH DOOR FRAME & 1X WOOD BUCK INTO EXISTING STRUCTURE W/ PROPER EMBEDMENT AND EDGE DISTANCE AS SHOWN ON THIS DRAWING.

8. ANCHOR NOTES:

EMBEDMENT AND EDGE DISTANCE ARE BEYOND ANY FINISH.

- (A) TO EXISTING POURED CONCRETE: (Min. f'c = 3.192 ksi), MIN. EDGE DISTANCE AS NOTED.
- (A.1) AT HEADER: 5/16"Ø TAPCON OR ULTRACON W/ 2 1/2" MIN. EMBEDMENT, AS MANUFACTURED BY ITW BUILDEX, INC OR DEWALT RESPECTIVELY. THRU 1" P.T. WOOD BUCK OR DIRECTLY TO EXISTING CONCRETE (IF 1X BUCK IS NOT NEEDED.) MIN. EDGE DISTANCE IS 3 1/8".
- (A.2) AT SILL: 5/16"Ø TAPCON OR ULTRACON W/ 1 1/2" MIN. EMBEDMENT, AS MANUFACTURED BY ITW BUILDEX, INC OR DEWALT RESPECTIVELY. THRU 1" P.T. WOOD BUCK OR DIRECTLY TO EXISTING CONCRETE (IF 1X BUCK IS NOT NEEDED.) MIN. EDGE DISTANCE IS 3 1/8".

- (B) TO EXISTING A.S.T.M. C-90 CONCRETE BLOCK: MIN. EDGE DISTANCE = 4"
- 5/16"Ø TAPCON OR ULTRACON W/ 1 1/4" MIN. EMBEDMENT, AS MANUFAC. BY ITW BUILDEX, INC. OR DEWALT RESPECTIVELY, THRU 1" P.T. WOOD BUCK OR DIRECTLY TO BLOCK. (IF 1X BLOCK IS NOT NEEDED)

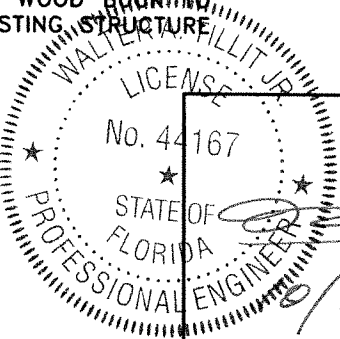
- (C) TO EXISTING (2) 2x P.T. WOOD BUCK: MIN. EDGE DISTANCE IS 1 1/4"
- (C.1) AT HEAD:
- 5/16 WOOD SCREW SS W/ MIN 1 1/2" MIN. EMBEDMENT.
- (C.2) AT SILL:
- 5/16 WOOD SCREW SS W/ MIN 1 1/2" MIN. EMBEDMENT.

- (D) TO EXISTING MIN. 1/8" THICK ALUMINUM MEMBER (6063-T5 ALLOY): MIN. EDGE DISTANCE = 1/2".
- #1/4"- 14 S.S TEK SCREW, FULLY EMBEDDED PLUS 3 THREADS BEYOND, AS MANUFACTURED BY ITW BUILDEX, INC. USE ONLY AT HEAD & SILL.

- (E) TO EXISTING MIN. 12 GAGE STEEL MEMBER (ASTM A-500, A-653 OR A-36): MIN. EDGE DISTANCE = 1/2".
- #1/4" - 14 S.S TEK SCREW, FULLY EMBEDDED PLUS 3 THREADS BEYOND, AS MANUFACTURED BY ITW BUILDEX, INC. USE ONLY AT HEAD & SILL.

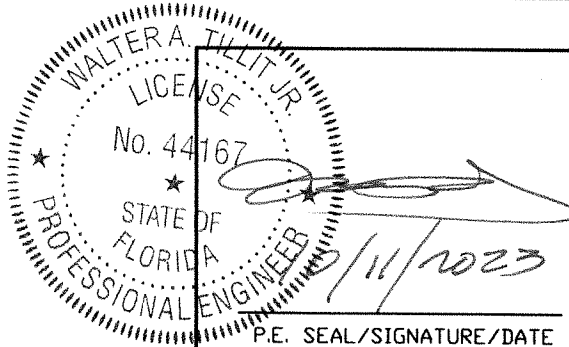
9. BEARING SHIM (1/4" MAX. SEE SECTIONS) MAY BE ALLOWED AT DOOR HEADER OR SILL. ANCHOR LOCATION AS PER DETAILS ON THIS DRAWING.
10. PRODUCT MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION AT PRODUCT IN ACCORDANCE WITH SECTION 1709.5 OF THE FLORIDA BUILDING CODE. ONE LABEL SHALL BE PLACED FOR EVERY OPENING.
11. (a) THIS P.E.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.E.D.
- (b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT, BASED ON THIS P.E.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.E.D. WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
- (d) ORIGINAL P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

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

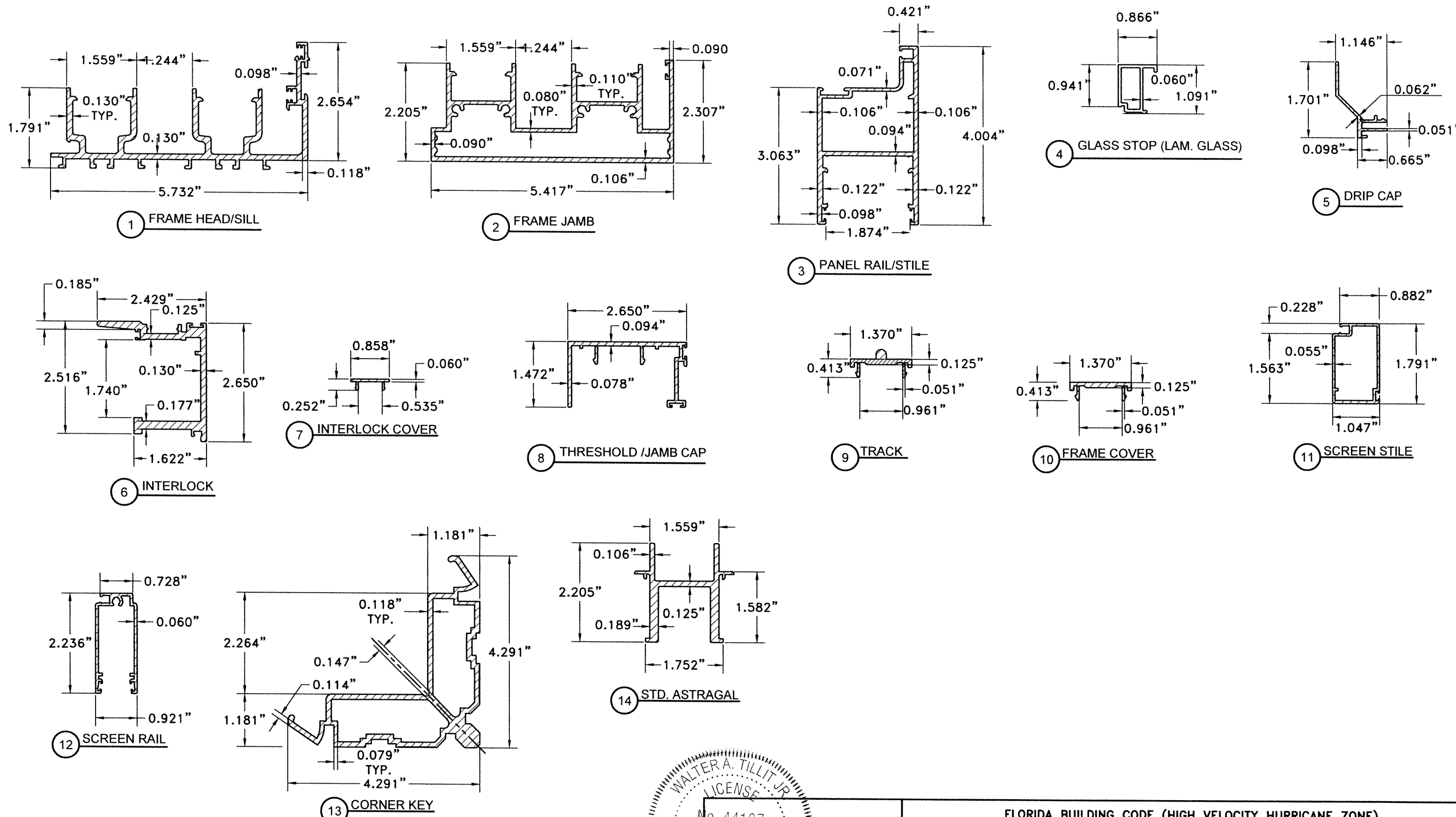


P.E. SEAL/SIGNATURE/DATE						FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)					
 TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 . Fax : (305)871-1531 CA-0006719 WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167						(2 & 3 TRACK) AB-2300 ALUMINUM SLIDING GLASS DOOR (L.M.I.)			Y.M. DRAWN BY:		
						AMERICA'S BEST WINDOWS & DOORS 1350 PARK CENTRAL BLVD. POMPANO BEACH, FL 33064 (954) 973-1362			08/17/23 DATE:		
REV. NO						DRAWING No.					
1						23-188					
2						SHEET 1 OF 21					

BILL OF MATERIALS FOR TWO TRACK DOOR			
COMPONENT #	DESCRIPTION / PART #	VENDOR / MANUFACTURER	MATERIAL
1	FRAME HEAD/SILL	SEE SHEET 3	6063-T6 ALLOY
2	FRAME JAMB	SEE SHEET 3	6063-T6 ALLOY
3	PANEL RAIL/STILE	SEE SHEET 3	6063-T6 ALLOY
4	GLASS STOP (LAM. GLASS)	SEE SHEET 3	6063-T6 ALLOY
5	DRIP CAP	SEE SHEET 3	6063-T6 ALLOY
6	INTERLOCK	SEE SHEET 3	6063-T6 ALLOY
7	INTERLOCK COVER	SEE SHEET 3	6063-T6 ALLOY
8	THRESHOLD / JAMB CAP	SEE SHEET 3	6063-T6 ALLOY
9	TRACK	SEE SHEET 3	6063-T6 ALLOY
10	FRAME COVER	SEE SHEET 3	6063-T6 ALLOY
11	SCREEN STILE	SEE SHEET 3	6063-T6 ALLOY
12	SCREEN RAIL	SEE SHEET 3	6063-T6 ALLOY
13	CORNER KEY	SEE SHEET 3	6063-T6 ALLOY
14	STD. ASTRAGAL	SEE SHEET 3	6063-T5 ALLOY
A	LOCK-PS01-1020	INTERLOCK	LOCK
B	HANDEL -PS0E1-0256 CREST SGD KIT W SNIB	INTERLOCK	HANDEL
C	KEEPER - PS01-0060-00B 21 MM ADJ TRIKE	INTERLOCK	KEEPER
D	LOCK SPACER	ABILITY S.A.	PLASTIC
E	TANDOM SIDE ADJUST ROLLER SS	ABILITY S.A.	PANEL
F	WHEEL SPACER	ABILITY S.A.	PLASTIC
H	DUST PLUG HOLDER	ABILITY S.A.	PLASTIC
I	BOTTOM INTERLOCK COVER	ABILITY S.A.	PLASTIC
J	TOP INTERLOCK COVER	ABILITY S.A.	PLASTIC
K	BOTTOM LOCK STILE COVER	ABILITY S.A.	PLASTIC
L	TOP LOCK STILE COVER	ABILITY S.A.	PLASTIC
P	WEDGE CP003066 PANEL GLAZING	PRICAL	VINYL
Q	SQUARE CP003067 PANEL GLAZING	PRICAL	VINYL
R	E51618KN3020 .27"W X .375"H MULTI HOLLOW	MANUFACTURED BY ULTRAFAB	VINYL
S	DUST PLUG D3198AMKPC 1.1875" X 2" X .3125"	MANUFACTURED BY ULTRAFAB	-
T	WOOLPILE WQ3325NK000B .27"W X .32"H TRI FIN	ABILITY S.A.	-
U	PANEL INTERLOCK W23231NK000B .187"W X .23"H	ABILITY S.A.	VINYL
V	SCREW # 1 10-24 X 1/2" FHP UC MS F SS-410	DISTRIBUTED BY INTERSTATE	STAINLESS STEEL
W	SCREW # 2 10-1" PHP TEK / 3 SS-410	MANUFACTURED BY ITW BUILDEX	STAINLESS STEEL
X	SCREW # 3 10-24 X 3/4" FHP UC MS F SS-410	DISTRIBUTED BY INTERSTATE	STAINLESS STEEL
Y	SCREW # 4 8-32 X 3/8" FHP UC MS SS-18/8	DISTRIBUTED BY INTERSTATE	STAINLESS STEEL
C1	SETTING BLOCK # 1 2NB890187024128 3/4" X 4" X 3/16"	FRANK	DUROMETER HARDNESS MIN. 70 SHORE A
D1	SETTING BLOCK # 2 2NB890187016018 9/16" X 1/2" X 3/16"	FRANK	DUROMETER HARDNESS MIN. 70 SHORE A
E1	FOAM PAD 1/2" X 1.25" X1.25" WHT#2 XLP	FRANK	FOAM
F1	RETICUL PAD 3/8" X 3/8" X 2.25" 30PPI RETICULATED	FRANK	-
G1	BUMPER - #SDB-1350-WH SPACER BUMPER	SULLIVAN	-
H1	CORN KEY - ALUMINUM CORNER KEY	ALUMINUM SHEET METAL	3105 - H14 ALLOY
I1	SILICONE SCS2000N SILPRUF	MANUFACTURED BY GE	SILICONE
J1	SCREW #12 X 2 SS HEX SMS A SS/410	DISTRIBUTED BY INTERSTATE	STAINLESS STEEL
K1	SCREW #12 X 2 1/2" SS FHP TEK SCREW	MANUFACTURED BY ITW BUILDEX	STAINLESS STEEL
L1	SCREW 5/16" XL - TAPCON OR ULTRAICON	MANUFACTURED BY ITW BUILDEX / DEWALT	CONNECTION TO CONCRETE, CONCRETE BLOCK OR WOOD (SYP # 2)
L1A	SCREW 1/4 - 14 TEK SS	MANUFACTURED BY ITW BUILDEX	CONNECTION TO 1/8 ALUMINUM OR 12 GAGE STEEL



FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)					
©2023 TILTECO, INC.			(2 & 3 TRACK) AB-2300 ALUMINUM SLIDING GLASS DOOR (L.M.I.)		Y.M. DRAWN BY:
			AMERICA'S BEST WINDOWS & DOORS		08/17/23 DATE:
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			1350 PARK CENTRAL BLVD. POMPANO BEACH, FL 33064 (954) 973-1362		23-188 DRAWING No.
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 23-061	8/17/23	3	-	-
2	-	-	4	-	-
					SHEET 2 OF 21

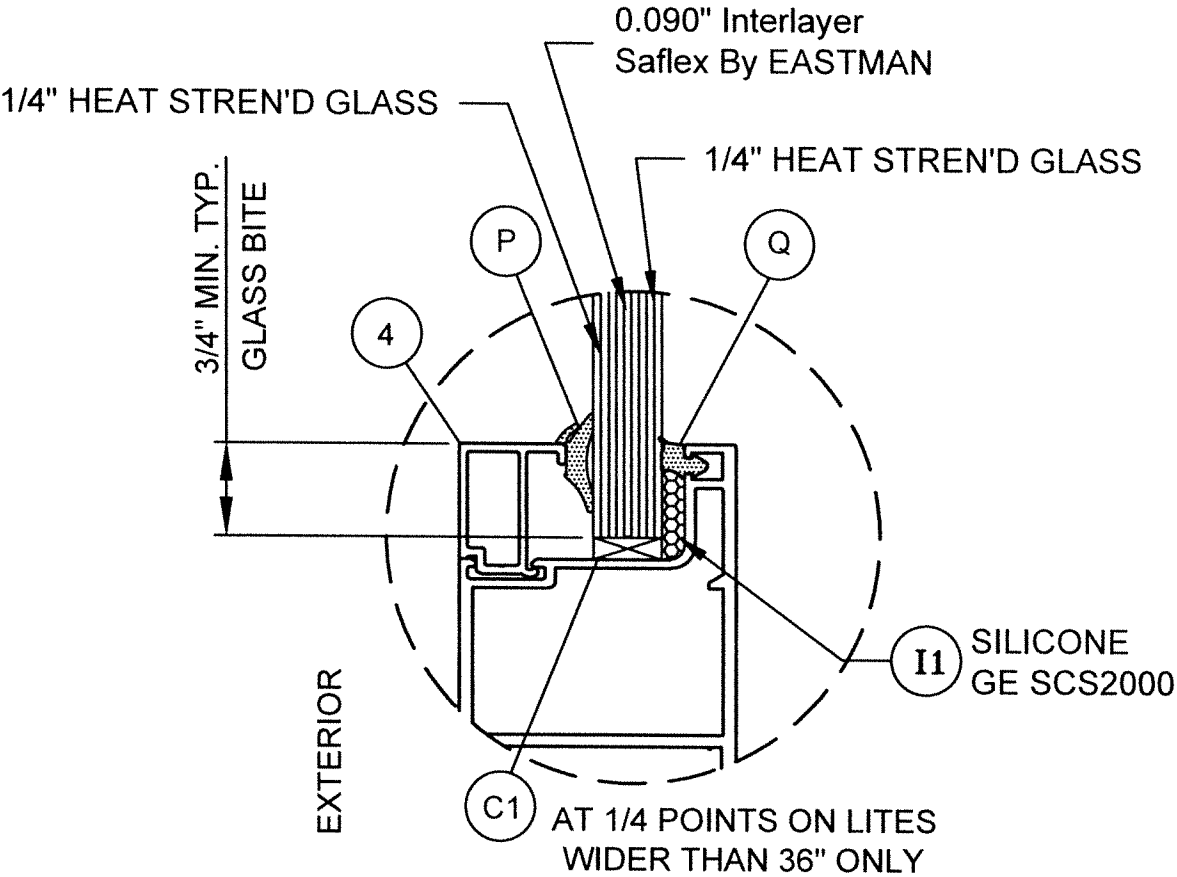


COMPONENTS FOR TWO TRACK DOOR SCALE: N.T.S

WALTER A. TILLIT JR.
 LICENSE
 No. 44167
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 8/11/2023
 P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)									
©2023 TILTECO, INC.					(2 & 3 TRACK) AB-2300 ALUMINUM SLIDING GLASS DOOR (L.M.I.)				
TILTECO INC.					AMERICA'S BEST WINDOWS & DOORS				
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					1350 PARK CENTRAL BLVD. POMPANO BEACH, FL 33064 (954) 973-1362				
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	Y.M. DRAWN BY:			
1	OLD 23-061	8/17/23	3	-	-	08/17/23 DATE:			
2	-	-	4	-	-	23-188 DRAWING No.			
						SHEET 3 OF 21			

BILL OF MATERIALS (CONT'D) FOR TWO TRACK DOOR		
COMPONENT #	DESCRIPTION	MATERIAL
G1	LAMINATED GLASS, 9/16" NOMINAL THICKNESS. 1/4" HS + 0.090" SAFLEX INTERLAYER BY EASTMAN + 1/4" HS	GLASS



GLASS TYPE **G1**

9/16" NOMINAL LAMINATED GLASS

GLASS CONFIGURATION

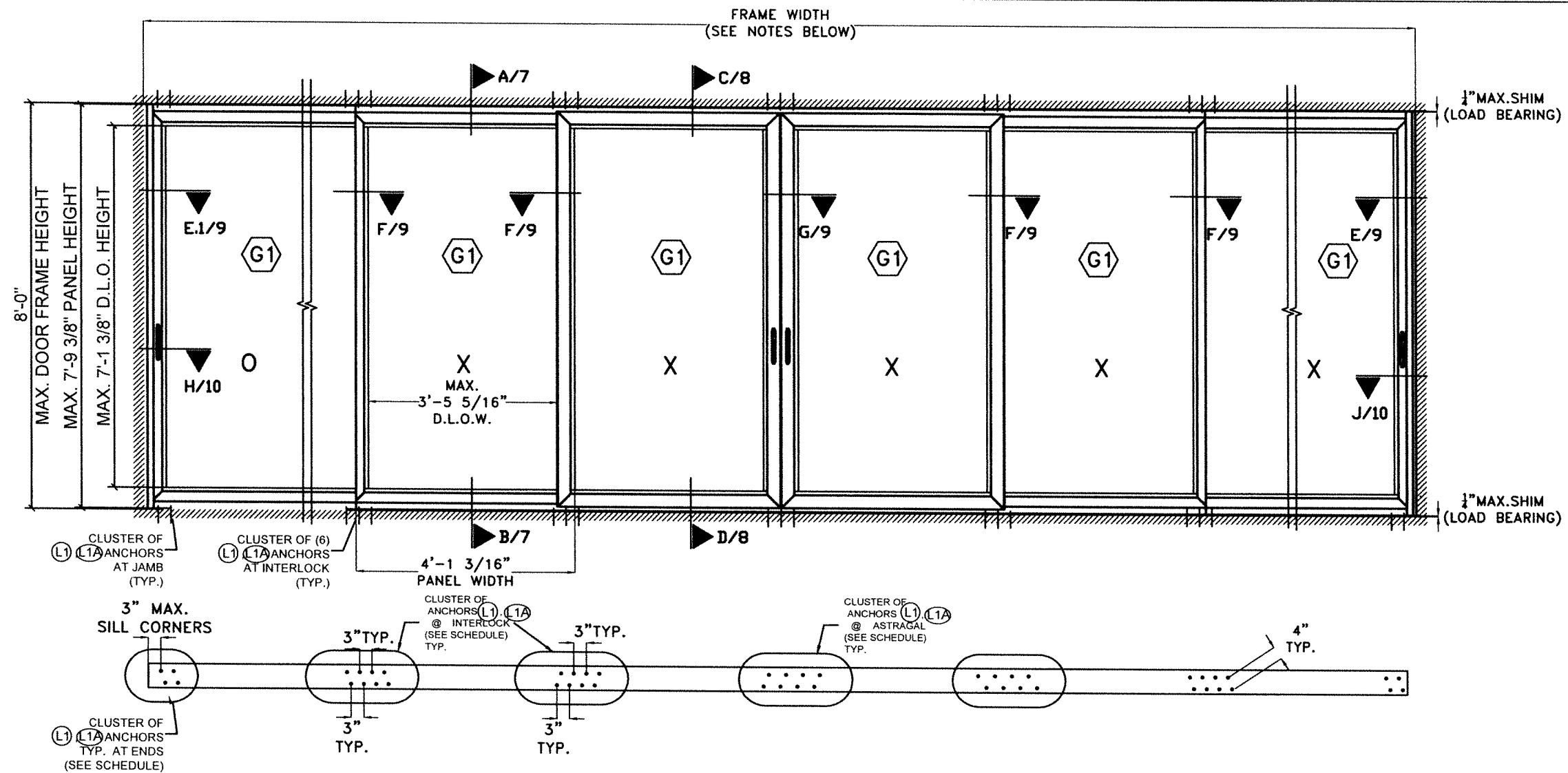
SCALE: N.T.S.

WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF FLORIDA
PROFESSIONAL ENGINEER

4/2023

P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)					
©2023 TILTECO, INC.			(2 & 3 TRACK) AB-2300 ALUMINUM SLIDING GLASS DOOR (L.M.I.)		Y.M. 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			AMERICA'S BEST WINDOWS & DOORS 1350 PARK CENTRAL BLVD. POMPANO BEACH, FL 33064 (954) 973-1362		08/17/23 DATE:
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 23-061	8/17/23	3	-	-
2	-	-	4	-	-
					23-188 DRAWING No.
					SHEET 4 OF 21



TYPICAL EXTERIOR ELEVATION AND PLAN AT HEAD/SILL FOR 2 TRACK SLIDING GLASS DOOR
N.T.S.

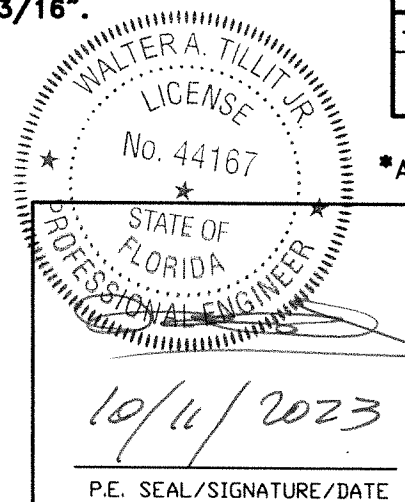
NOTES:

- 1-TYPICAL EXTERIOR ELEVATION SHOWS A 2 TRACK DOOR WITH MAXIMUM PANEL DIMENSION CONDITION.
- 2- IF NEEDED, AND BASED ON 16'-0" TOTAL TESTED DOOR FRAME WIDTH, AN ALLOWABLE NEW TOTAL FRAME WIDTH OF $1.5 \times 16'-0" = 24'-0"$ WILL BE ALLOWED TO BE INSTALLED FOR UP TO 96" FRAME HEIGHT DOORS AND A MAXIMUM PANEL WIDTH OF $49 \frac{3}{16}"$.
- 3- TYPICAL EXTERIOR ELEVATION SHOWS A CONFIGURATION W/ FREE STANDING JAMBS. END PANELS MAY BE OPERABLE (X) OR FIXED (O). SEE NOTE 4.
- 4- TYPICAL EXTERIOR ELEVATION SHOWS AN OXXXXX CONFIGURATION. OTHER ALLOWED CONFIGURATIONS ARE ACCEPTABLE AS LONG AS TYPICAL MEETING RAILS AND ASTRAGAL CONFORM TO SECTIONS F/9, G/9, H/10, J/10. SEE SHEET 6.
- 5- **G1** IMPACT RESISTANT GLASS. SEE SHT. 4
LARGE & SMALL MISSILE QUALIFIED.

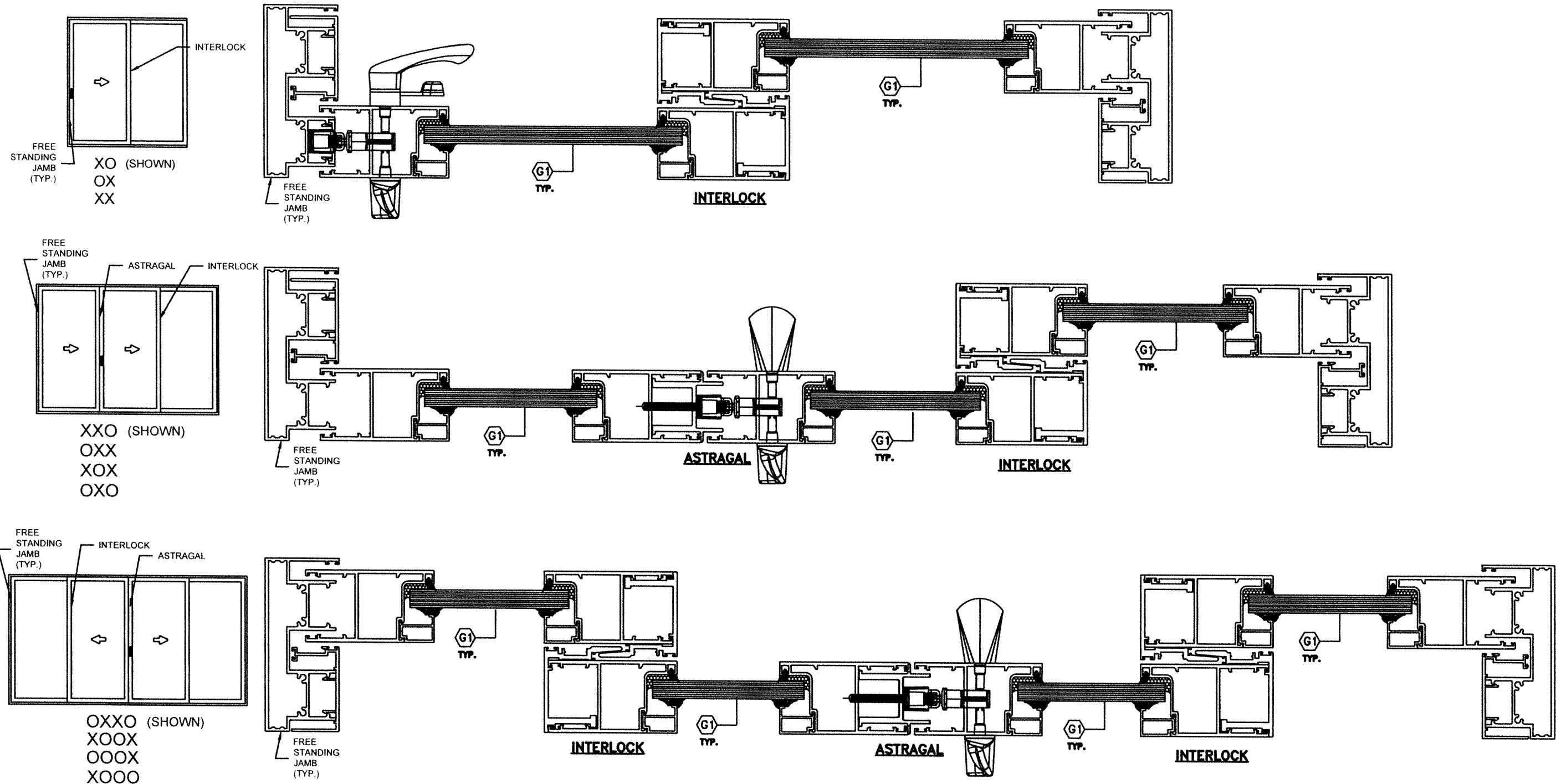
SCHEDULE FOR NUMBERS ANCHORS (L1, L1A) REQUIRED AT CLUSTER AT INTERLOCK, ASTRAGAL & ENDS AT HEAD/SILL BASED ON A.S.D. DESIGN LOAD & SUBSTRATE*

A.S.D.(psf) DESIGN LOAD	AT INTERLOCK CLUSTER			AT ADJACENT TO JAMB CLUSTER		
	(L1) IN CONCRETE OR BLOCK	(L1) IN WOOD	(L1A) IN 1/8" ALUMINUM OR 12 GAGE STEEL	(L1) IN CONCRETE OR BLOCK	(L1) IN WOOD	(L1A) IN 1/8" ALUMINUM OR 12 GAGE STEEL
+55, -55 or LESS	6	8	8	2	4	2
> +55, -55 TO +65, -80	6	10	8	2	4	2

*ANCHORS ARE INSTALLED IN PAIRS AS SHOWN IN PLAN THIS SHEET.



FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)					
©2023 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			(2 & 3 TRACK) AB-2300 ALUMINUM SLIDING GLASS DOOR (L.M.I.) AMERICA'S BEST WINDOWS & DOORS 1350 PARK CENTRAL BLVD. POMPAHO BEACH, FL 33064 (954) 973-1362		Y.M. DRAWN BY: 08/17/23 DATE: 23-188 DRAWING No.
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 23-061	8/17/23	3	-	-
2	-	-	4	-	-



XO (SHOWN)
OX
XX

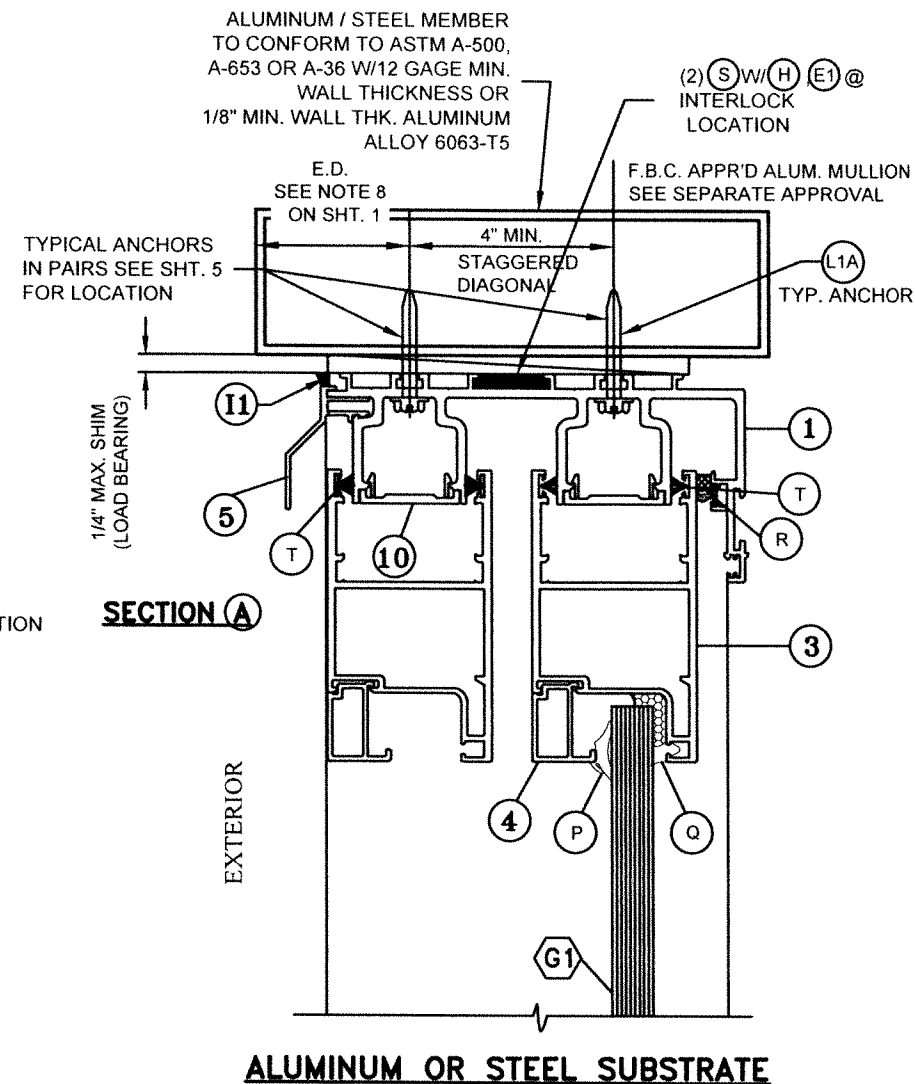
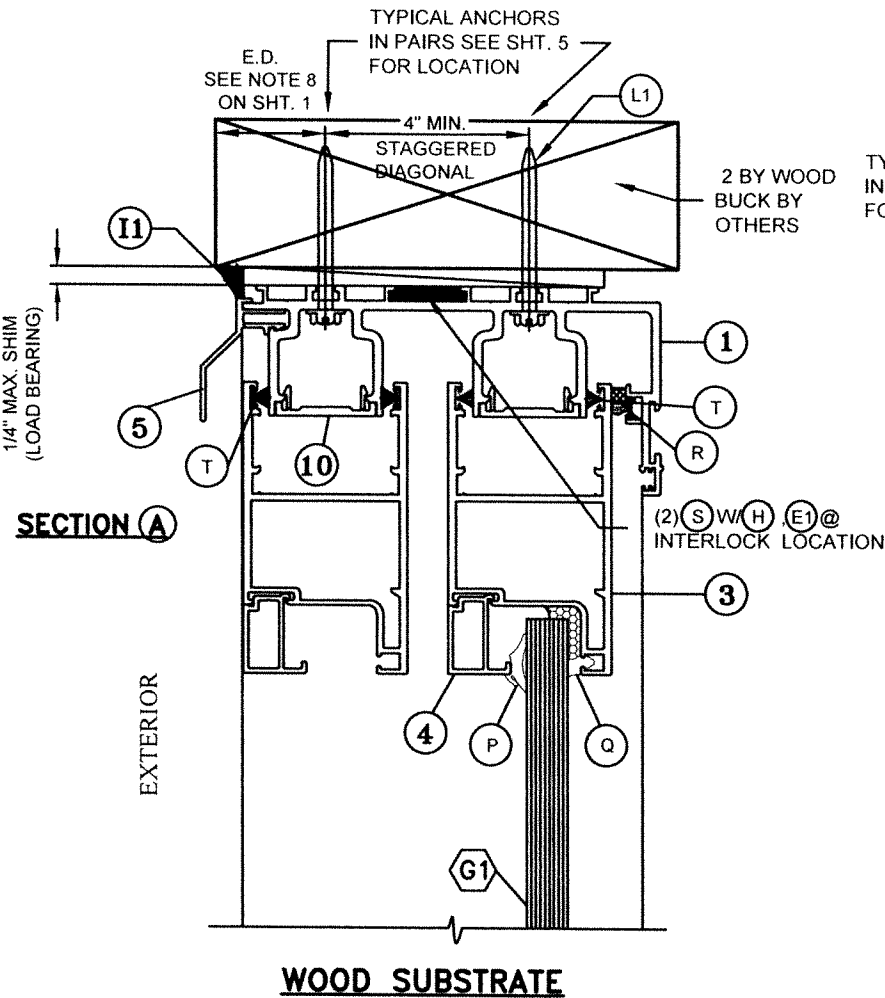
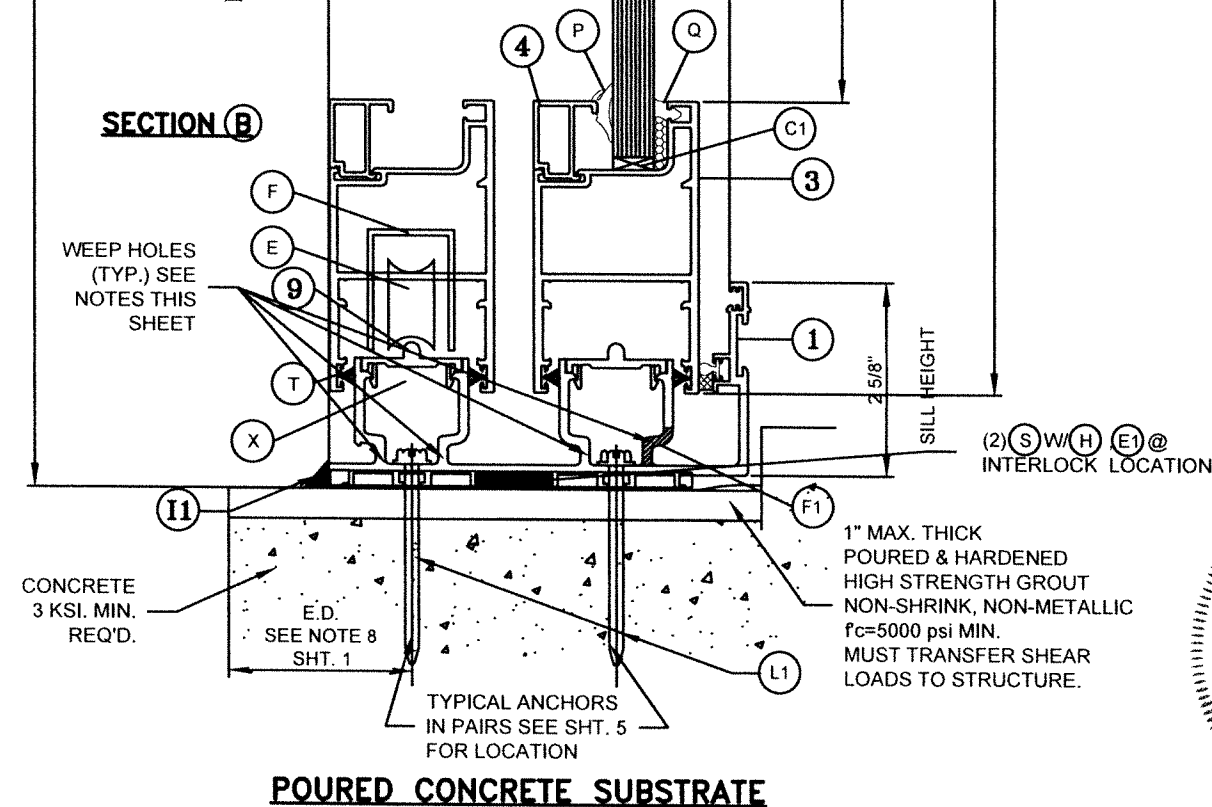
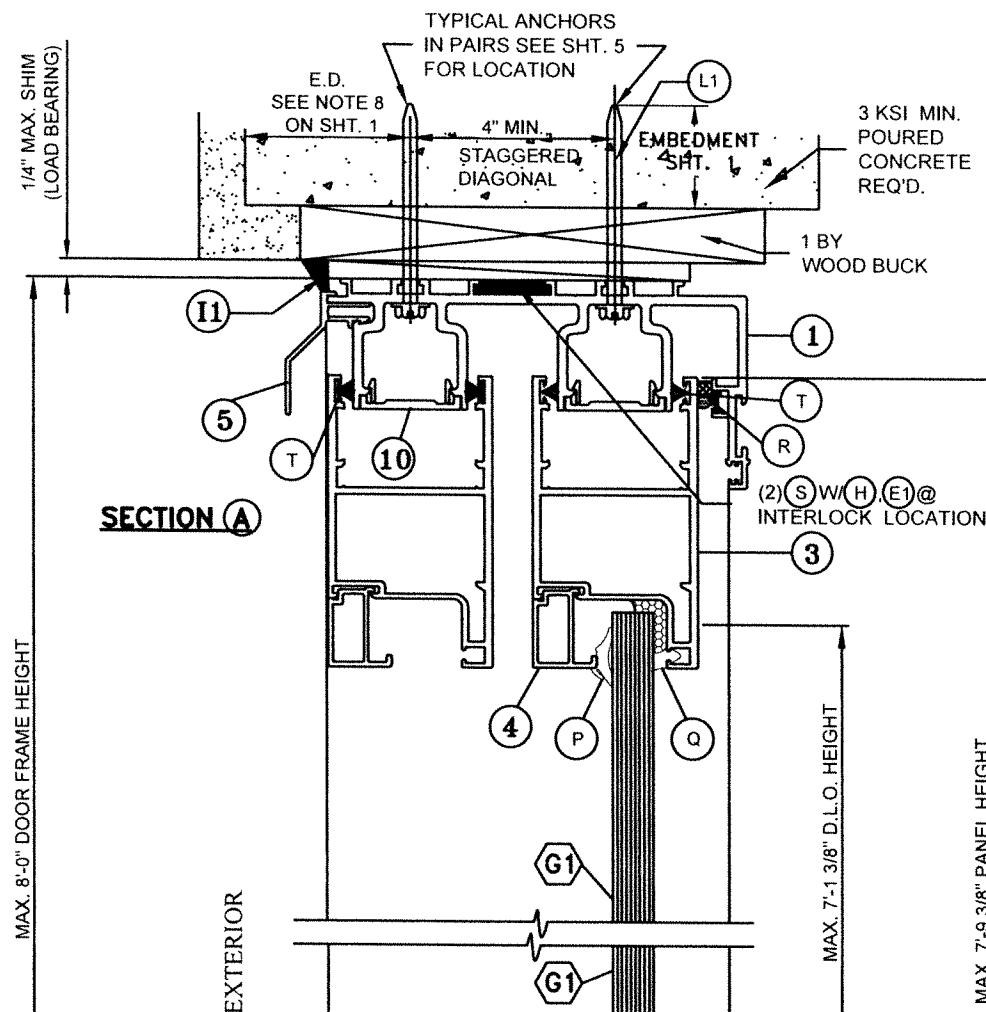
XXO (SHOWN)
OXX
XOX
OXO

OXXO (SHOWN)
XOOX
OOOX
XOOO

ADDITIONAL QUALIFIED CONFIGURATIONS FOR 2 TRACK FRAMES SLIDING GLASS DOOR
(SEE SHEETS 7 THRU 11 FOR ASSEMBLY /MOUNTING DETAILS)

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

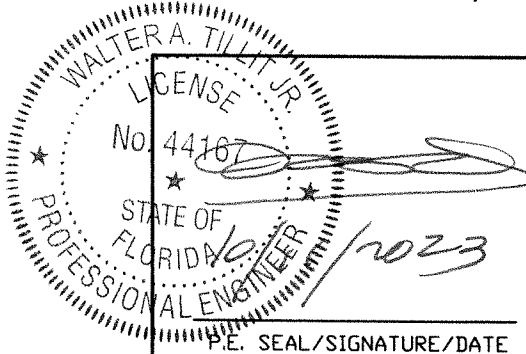
FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)									
©2023 TILTECO, INC.					(2 & 3 TRACK) AB-2300 ALUMINUM SLIDING GLASS DOOR (L.M.I.)				
TILTECO INC.					AMERICA'S BEST WINDOWS & DOORS				
TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 . Fax : (305)871-1531 CA-0006719 WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167					1350 PARK CENTRAL BLVD. POMPANO BEACH, FL 33064 (954) 973-1362				
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	Y.M. DRAWN BY: 08/17/23 DATE:			
1	OLD 23-061	8/17/23	3	-	-	23-188			
2	-	-	4	-	-	DRAWING No.			
						SHEET 6 OF 21			



(2 TRACK) S.G.D VERTICAL SECTIONS N.T.S

NOTE 1: WEEP HOLES REQUIREMENTS

- a- WEEP HOLE SIZE: 2" LONG X 3/16" WIDE
- b- AT INTERIOR TRACK OF SILL (1): PROVIDE (2) WEEP HOLES EACH PANEL @ 32" O.C., 8" END AT EXTERIOR AND INTERIOR LEG. INTERIOR LEG W/ (F1) INCLUDED.
- c- AT EXTERIOR TRACK OF SILL (1): PROVIDE (4) WEEP HOLES EACH PANEL @ 13" O.C., 4 1/2" END AT EXTERIOR & INTERIOR LEG.



FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

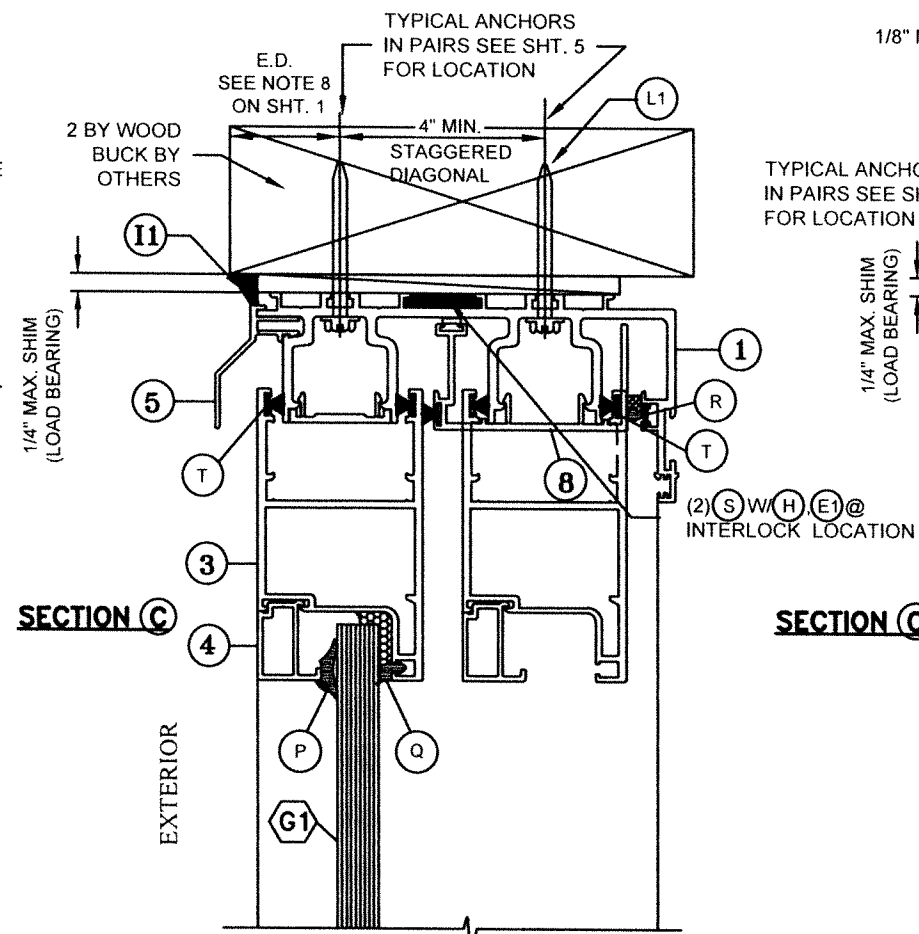
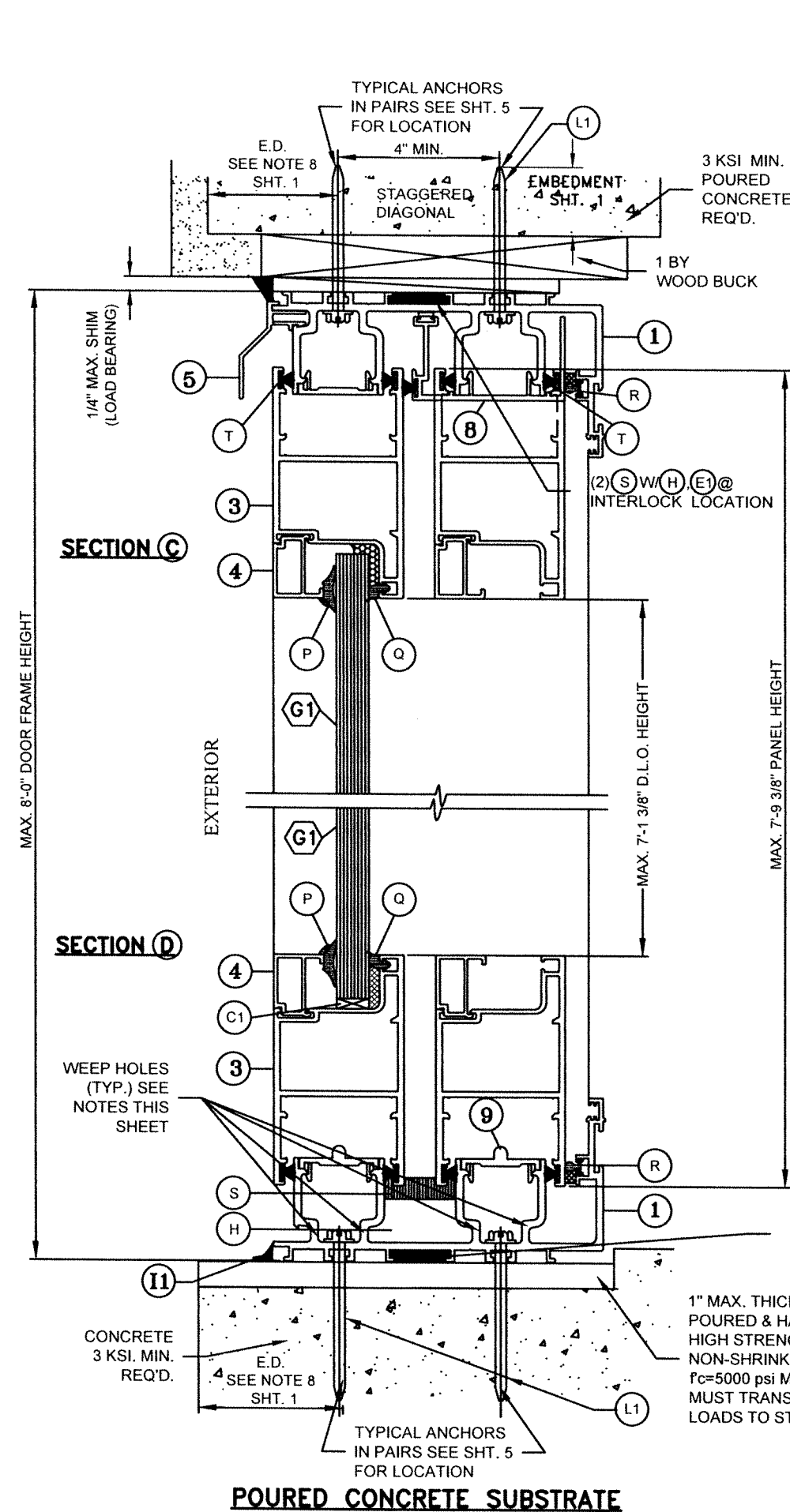
©2023 TILTECO, INC.
TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 • Fax : (305)871-1531
CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

(2 & 3 TRACK) AB-2300 ALUMINUM
SLIDING GLASS DOOR (L.M.I.)
AMERICA'S BEST WINDOWS & DOORS
1350 PARK CENTRAL BLVD.
POMPANO BEACH, FL 33064
(954) 973-1362

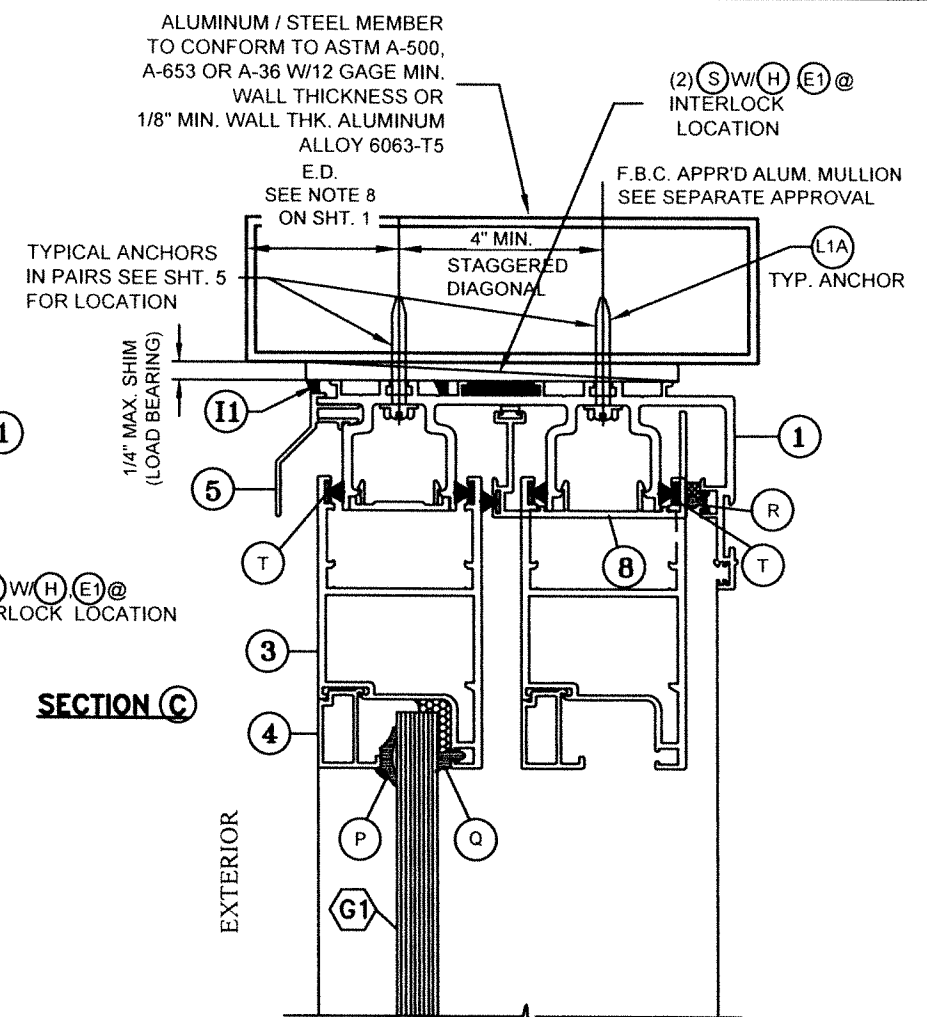
Y.M.
DRAWN BY:
08/17/23
DATE:
23-188
DRAWING No.

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 23-061	8/17/23	3	-	-
2	-	-	4	-	-

SHEET 7 OF 21



WOOD SUBSTRATE



ALUMINUM OR STEEL SUBSTRATE

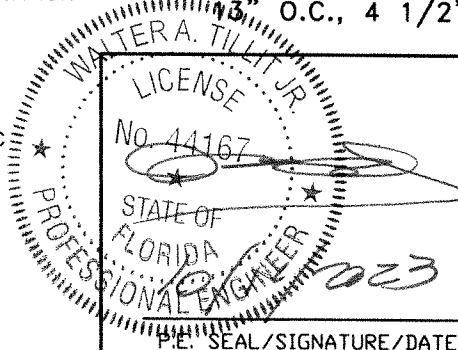
(2 TRACK) S.G.D VERTICAL SECTIONS N.T.S

NOTE 1: WEEP HOLES REQUIREMENTS

a- WEEP HOLE SIZE: 2" LONG X 3/16" WIDE

b- AT INTERIOR TRACK OF SILL (1): PROVIDE (2) WEEP HOLES EACH PANEL @ 32" O.C., 8" END AT EXTERIOR AND INTERIOR LEG. INTERIOR LEG W/ (F1) INCLUDED.

c- AT EXTERIOR TRACK OF SILL (1): PROVIDE (4) WEEP HOLES EACH PANEL @ 32" O.C., 4 1/2" END AT EXTERIOR & INTERIOR LEG.



FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2023 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

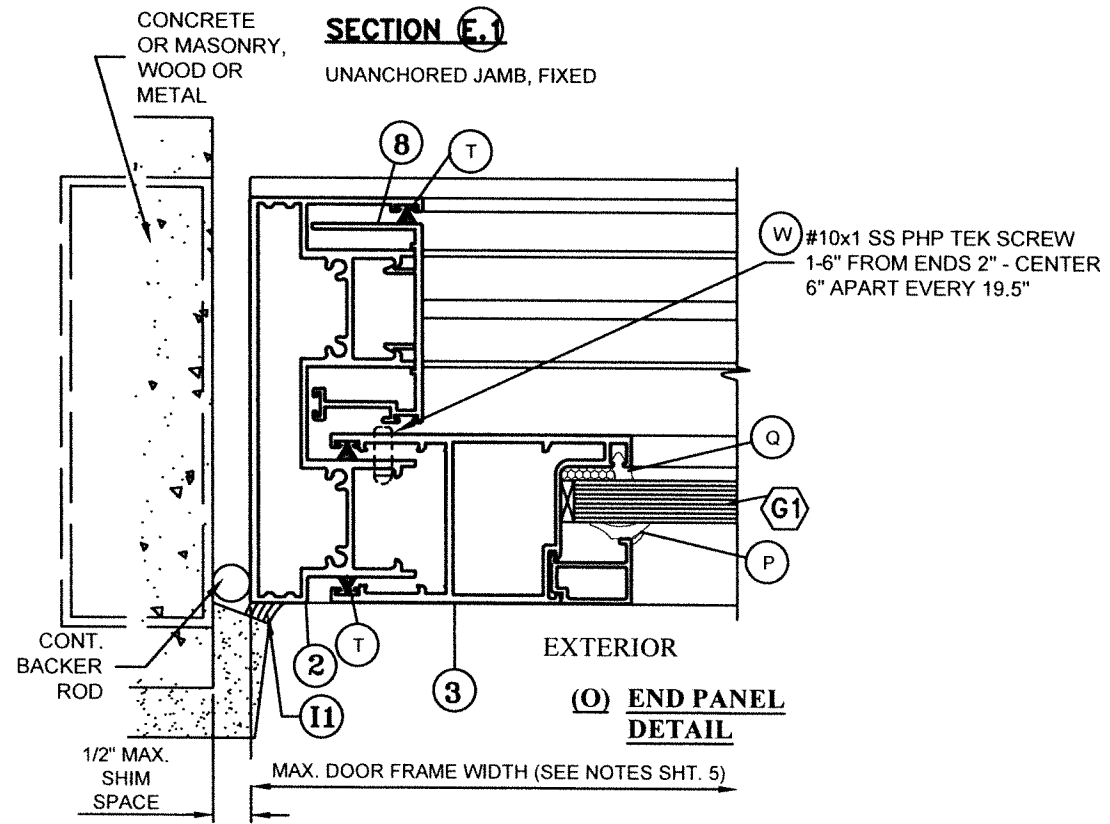
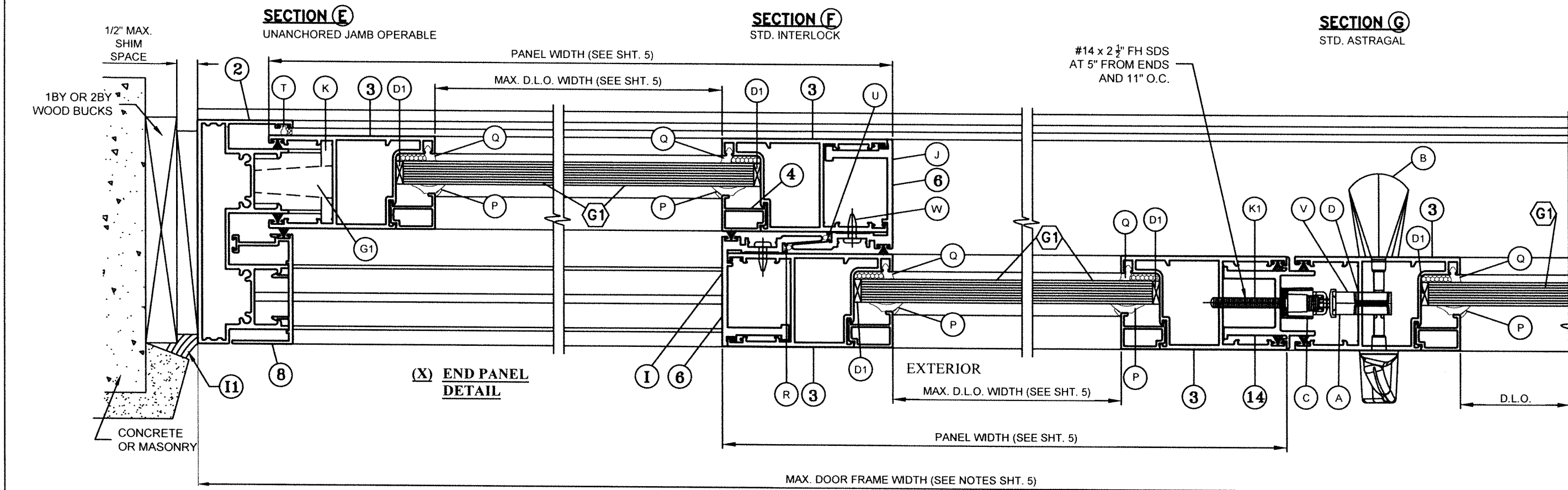
(2 & 3 TRACK) AB-2300 ALUMINUM SLIDING GLASS DOOR (L.M.I.)

AMERICA'S BEST WINDOWS & DOORS

1350 PARK CENTRAL BLVD.
POMPANO BEACH, FL 33064
(954) 973-1362

Y.M.
DRAWN BY:
08/17/23
DATE:
23-188
DRAWING No.
SHEET 8 OF 21

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 23-061	8/17/23	3	-	-
2	-	-	4	-	-



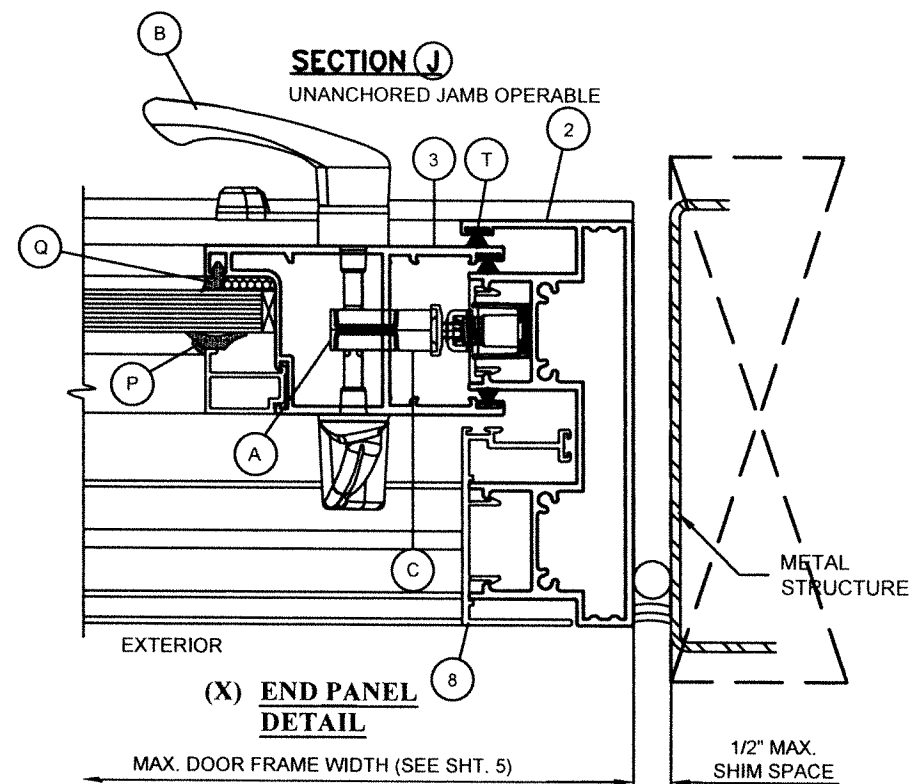
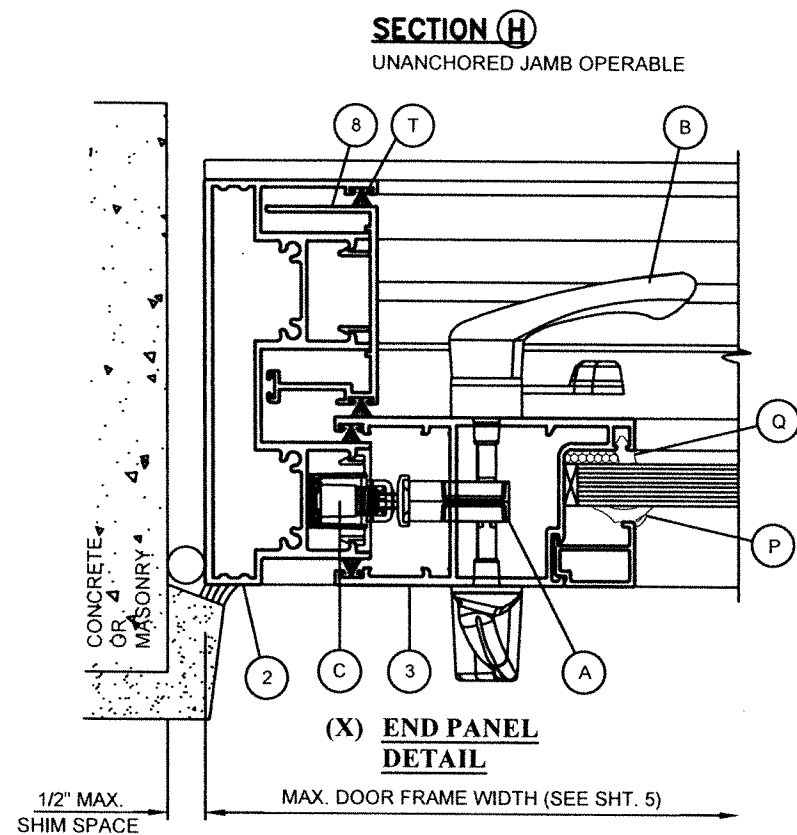
POURED CONCRETE, MASONRY, WOOD OR METAL SUBSTRATE

(2 TRACK) S.G.D HORIZONTAL SECTIONS

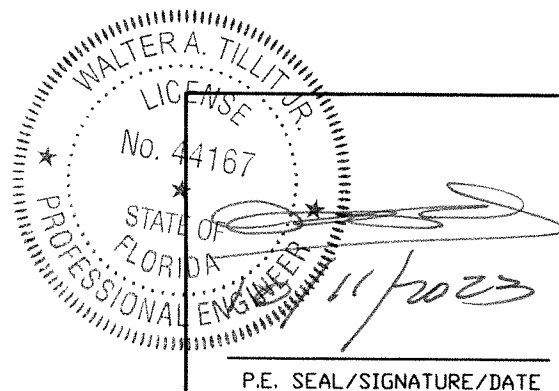
N.T.S

WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF FLORIDA
PROFESSIONAL ENGINEER
8/11/2023
P.E. SEAL/SIGNATURE/DATE

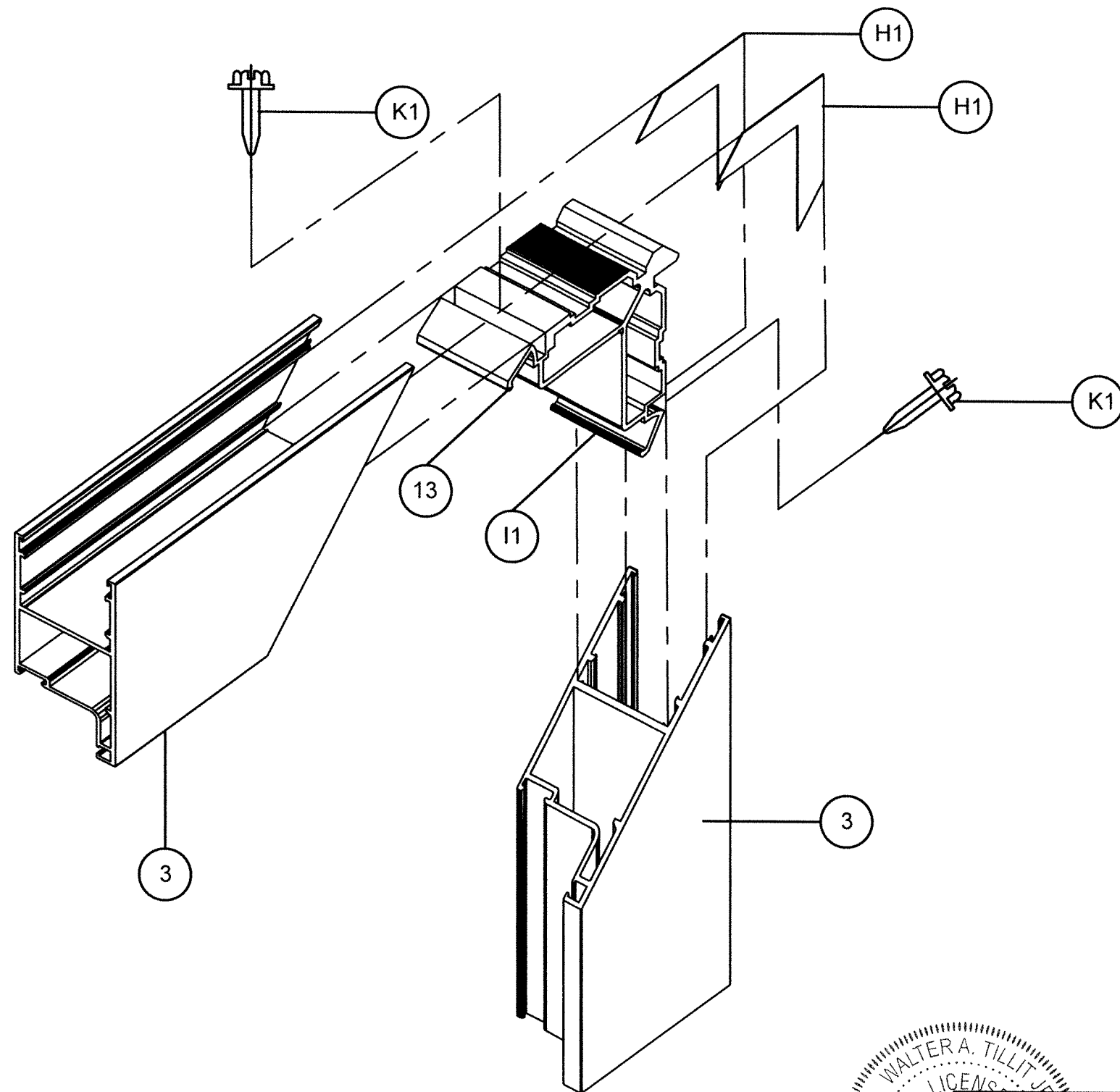
FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)					
©2023 TILTECO, INC. TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 . Fax : (305)871-1531 CA-0006719 WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167			(2 & 3 TRACK) AB-2300 ALUMINUM SLIDING GLASS DOOR (L.M.I.) AMERICA'S BEST WINDOWS & DOORS 1350 PARK CENTRAL BLVD. POMPANO BEACH, FL 33064 (954) 973-1362		
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 23-061	8/17/23	3	-	-
2	-	-	4	-	-
			Y.M. DRAWN BY: 08/17/23 DATE: 23-188 DRAWING No.		
			SHEET 9 OF 21		



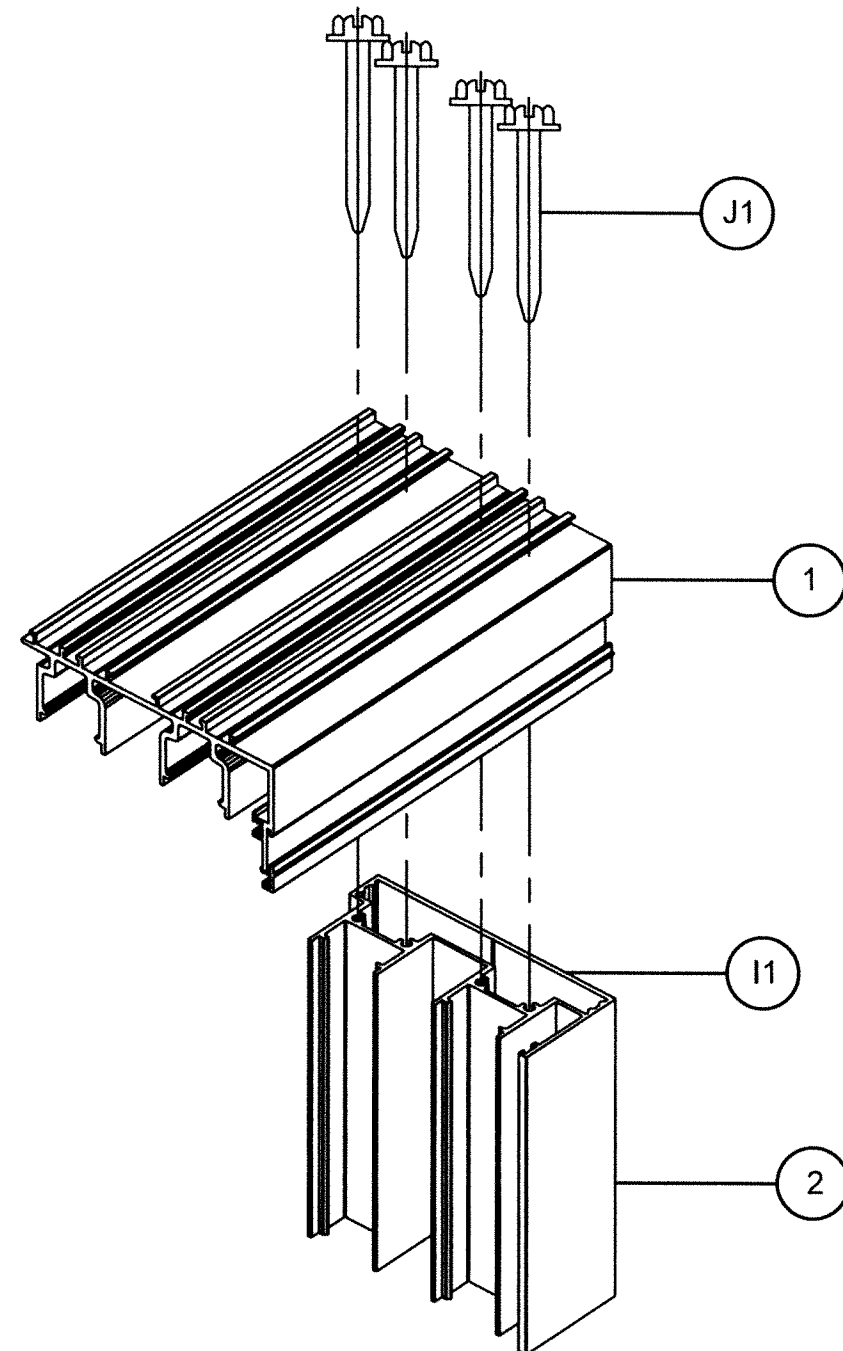
POURED CONCRETE, MASONRY, WOOD OR METAL SUBSTRATE
(2 TRACK) S.G.D HORIZONTAL SECTIONS
N.T.S



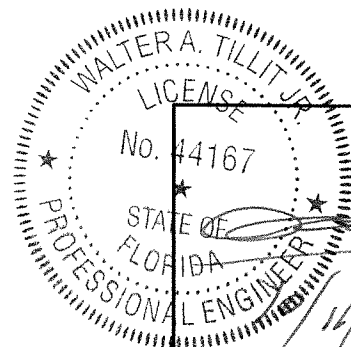
FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)					
©2023 TILTECO, INC.			(2 & 3 TRACK) AB-2300 ALUMINUM SLIDING GLASS DOOR (L.M.I.)		Y.M. DRAWN BY:
TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 Fax : (305)871-1531 CA-0006719 WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167			AMERICA'S BEST WINDOWS & DOORS 1350 PARK CENTRAL BLVD. POMPAHO BEACH, FL 33064 (954) 973-1362		08/17/23 DATE:
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 23-061	8/17/23	3	-	-
2	-	-	4	-	-
DRAWING No. 23-188					SHEET 10 OF 21



(2 TRACK) S.G.D PANEL TOP /
BOTTOM CORNER



(2 TRACKS) S.G.D FRAME TOP /
BOTTOM CORNER



P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2023 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

(2 & 3 TRACK) AB-2300 ALUMINUM
SLIDING GLASS DOOR (L.M.I.)

AMERICA'S BEST WINDOWS & DOORS
1350 PARK CENTRAL BLVD.
POMPANO BEACH, FL 33064
(954) 973-1362

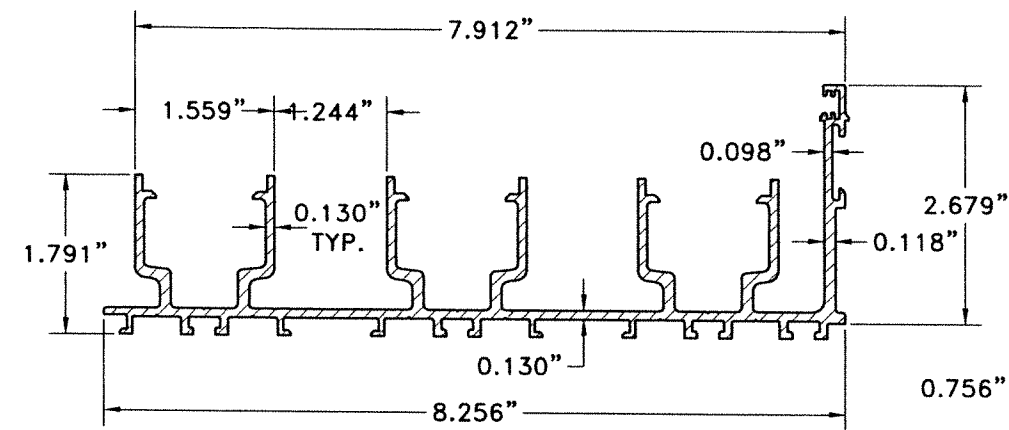
Y.M.
DRAWN BY:
08/17/23
DATE:
23-188
DRAWING No.
SHEET 11 OF 21

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 23-061	8/17/23	3	-	-
2	-	-	4	-	-

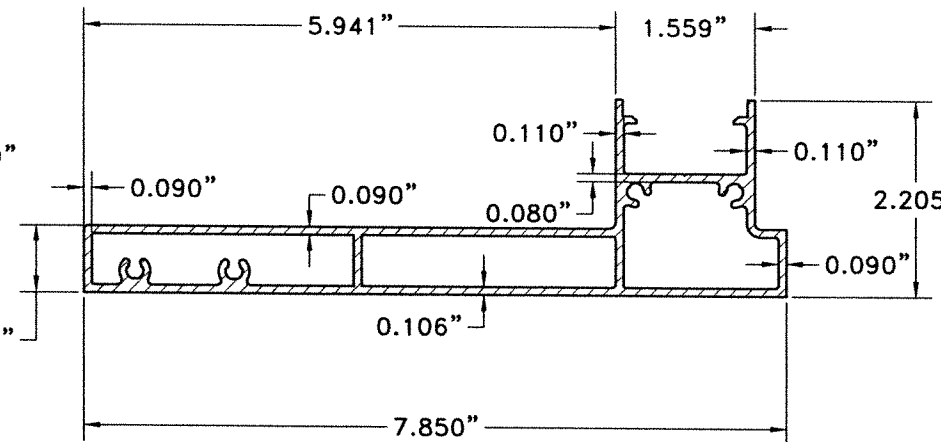
BILL OF MATERIALS FOR THREE TRACK DOOR			
COMPONENT #	DESCRIPTION / PART #	VENDOR / MANUFACTURER	MATERIAL
(1)	FRAME HEAD/SILL	SEE SHEET 13	6063-T6 ALLOY
(2)	FRAME JAMB	SEE SHEET 13	6063-T6 ALLOY
(3)	PANEL RAIL/STILE	SEE SHEET 13	6063-T6 ALLOY
(4)	GLASS STOP (LAM. GLASS)	SEE SHEET 13	6063-T6 ALLOY
(5)	DRIP CAP	SEE SHEET 13	6063-T6 ALLOY
(6)	INTERLOCK	SEE SHEET 13	6063-T6 ALLOY
(7)	INTERLOCK COVER	SEE SHEET 13	6063-T6 ALLOY
(8)	THRESHOLD / JAMB CAP	SEE SHEET 13	6063-T6 ALLOY
(9)	TRACK	SEE SHEET 13	6063-T6 ALLOY
(10)	FRAME COVER	SEE SHEET 13	6063-T6 ALLOY
(13)	CORNER KEY	SEE SHEET 13	6063-T6 ALLOY
(14)	STD. ASTRAGAL	SEE SHEET 13	6063-T5 ALLOY
(A)	LOCK-PS01-1020	INTERLOCK	LOCK
(B)	HANDEL -PS0E1-0256 CREST SGD KIT W SNIB	INTERLOCK	HANDEL
(C)	KEEPER - PS01-0060-00B 21 MM ADJ TRIKE	INTERLOCK	KEEPER
(D)	LOCK SPACER	ABILITY S.A.	PLASTIC
(E)	TANDOM SIDE ADJUST ROLLER SS	ABILITY S.A.	PANEL
(F)	WHEEL SPACER	ABILITY S.A.	PLASTIC
(H)	DUST PLUG HOLDER	ABILITY S.A.	PLASTIC
(I)	BOTTOM INTERLOCK COVER	ABILITY S.A.	PLASTIC
(J)	TOP INTERLOCK COVER	ABILITY S.A.	PLASTIC
(K)	BOTTOM LOCK STILE COVER	ABILITY S.A.	PLASTIC
(L)	TOP LOCK STILE COVER	ABILITY S.A.	PLASTIC
(P)	WEDGE CP003066 PANEL GLAZING	PRICAL	VINYL
(Q)	SQUARE CP003067 PANEL GLAZING	PRICAL	VINYL
(R)	E51618KN3020 .27"W X .375"H MULTI HOLLOW	MANUFACTURED BY ULTRAFAB	VINYL
(S)	DUST PLUG D3198AMKPC 1.1875" X 2" X .3125"	MANUFACTURED BY ULTRAFAB	-
(T)	WOOLPILE WQ3325NK000B .27"W X .32"H TRI FIN	ABILITY S.A.	-
(U)	PANEL INTERLOCK W23231NK000B .187"W X .23"H	ABILITY S.A.	VINYL
(V)	SCREW # 1 10-24 X 1/2" FHP UC MS F SS-410	DISTRIBUTED BY INTERSTATE	STAINLESS STEEL
(W)	SCREW # 2 10-1" PHP TEK / 3 SS-410	MANUFACTURED BY ITW BUILDEX	STAINLESS STEEL
(X)	SCREW # 3 10-24 X 3/4" FHP UC MS F SS-410	DISTRIBUTED BY INTERSTATE	STAINLESS STEEL
(Y)	SCREW # 4 8-32 X 3/8" FHP UC MS SS-18/8	DISTRIBUTED BY INTERSTATE	STAINLESS STEEL
(C1)	SETTING BLOCK # 1 2NB890187024128 3/4" X 4" X 1/16"	FRANK	DUROMETER HARDNESS MIN. 70 SHORE A
(D1)	SETTING BLOCK # 2 2NB890187016018 3/16" X 1/2" X 3/16"	FRANK	DUROMETER HARDNESS MIN. 70 SHORE A
(E1)	FOAM PAD 1/2" X 1.25" X 1.25" WHT#2 XLP	FRANK	FOAM
(F1)	RETICUL PAD 3/8" X 5/8" X 2.25" 30PPI RETICULATED	FRANK	-
(G)	BUMPER - #SDB-1350-WH SPACER BUMPER	SULLIVAN	-
(H1)	CORN KEY - ALUMINUM CORNER KEY	ALUMINUM SHEET METAL	3105 - H14 ALLOY
(I1)	SILICONE SCS2000N SILPRUF	MANUFACTURED BY GE	SILICONE
(J1)	SCREW #12 X 2 SS HEX SMS A SS/410	DISTRIBUTED BY INTERSTATE	STAINLESS STEEL
(K1)	SCREW #12 X 2 1/2" SS FHP TEK SCREW	MANUFACTURED BY ITW BUILDEX	STAINLESS STEEL
(L1)	SCREW 5/16" XL - TAPCON OR ULTRACON	MANUFACTURED BY ITW BUILDEX / DEWALT	CONNECTION TO CONCRETE, CONCRETE BLOCK OR WOOD (SYP # 2)
(L1A)	SCREW 1/4 - 14 TEK SS	MANUFACTURED BY ITW BUILDEX	CONNECTION TO 1/8 ALUMINUM OR 12 GAGE STEEL

WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF FLORIDA
PROFESSIONAL ENGINEER
8/11/2023
P.E. SEAL/SIGNATURE/DATE

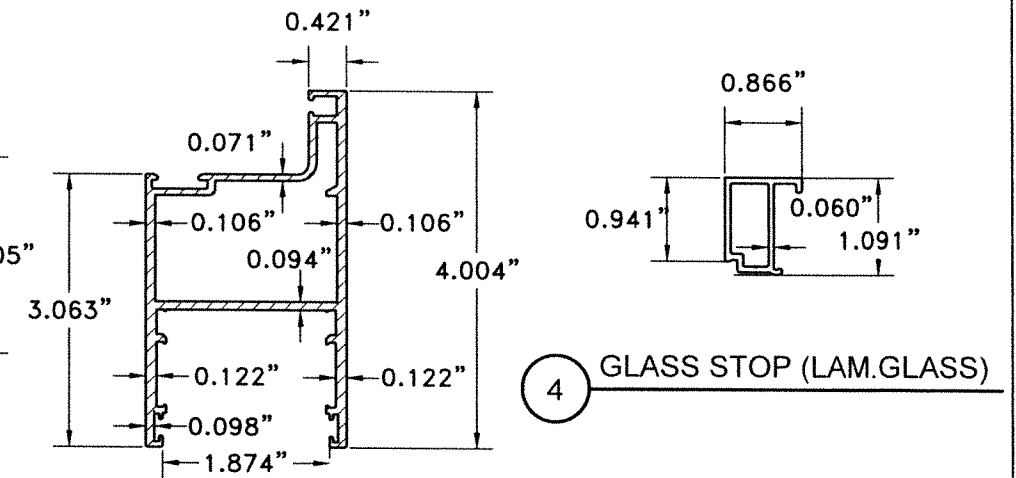
FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)					
©2023 TILTECO, INC.			(2 & 3 TRACK) AB-2300 ALUMINUM SLIDING GLASS DOOR (L.M.I.)		Y.M. DRAWN BY:
			AMERICA'S BEST WINDOWS & DOORS		08/17/23 DATE:
TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 . Fax : (305)871-1531 CA-0006719 WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167			1350 PARK CENTRAL BLVD. POMPANO BEACH, FL 33064 (954) 973-1362		23-188 DRAWING No.
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 23-061	8/17/23	3	-	-
2	-	-	4	-	-
					SHEET 12 OF 21



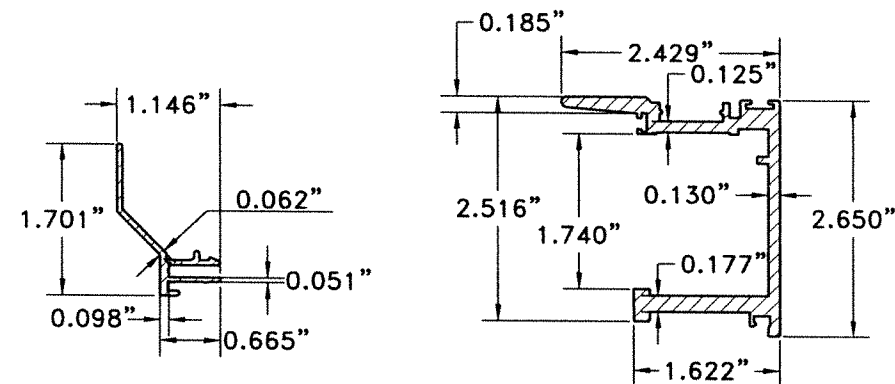
1 FRAME HEAD/SILL



2 FRAME JAMB

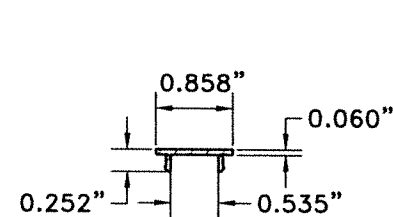


3 PANEL RAIL/STILE

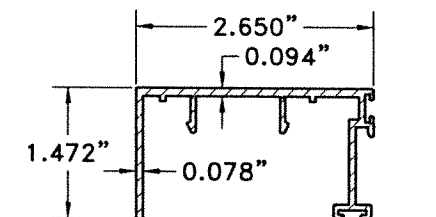


5 DRIP CAP

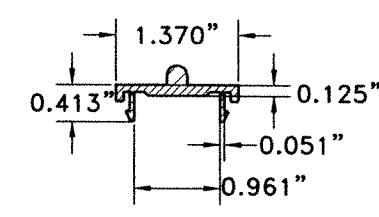
6 INTERLOCK



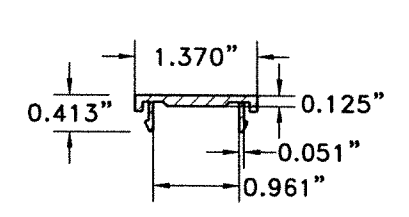
7 INTERLOCK COVER



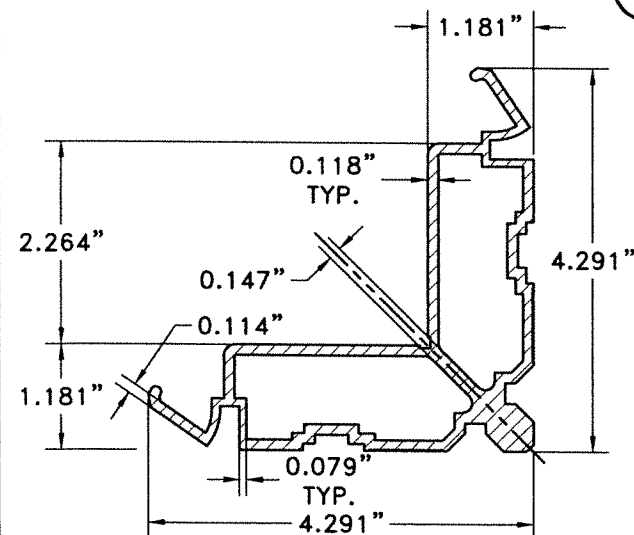
8 THRESHOLD /JAMB CAP



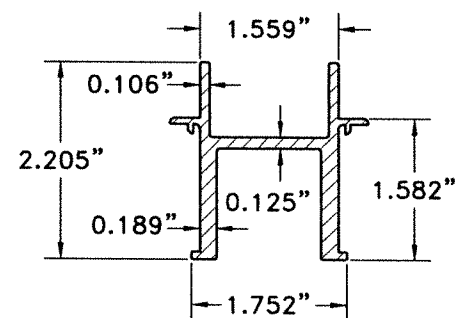
9 TRACK



10 FRAME COVER

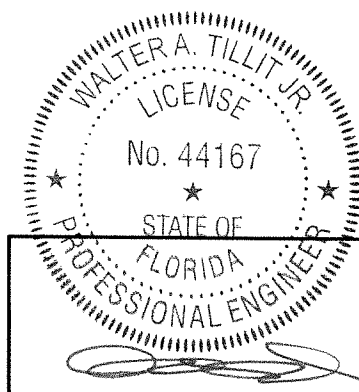


13 CORNER KEY



14 STD. ASTRAGAL

COMPONENTS FOR THREE TRACK DOOR SCALE: N.T.S



10/11/2023
P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2023 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

(2 & 3 TRACK) AB-2300 ALUMINUM
SLIDING GLASS DOOR (L.M.I.)

AMERICA'S BEST WINDOWS & DOORS
1350 PARK CENTRAL BLVD.
POMPAHO BEACH, FL 33064
(954) 973-1362

REV. NO.	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 23-061	8/17/23	3	-	-
2	-	-	4	-	-

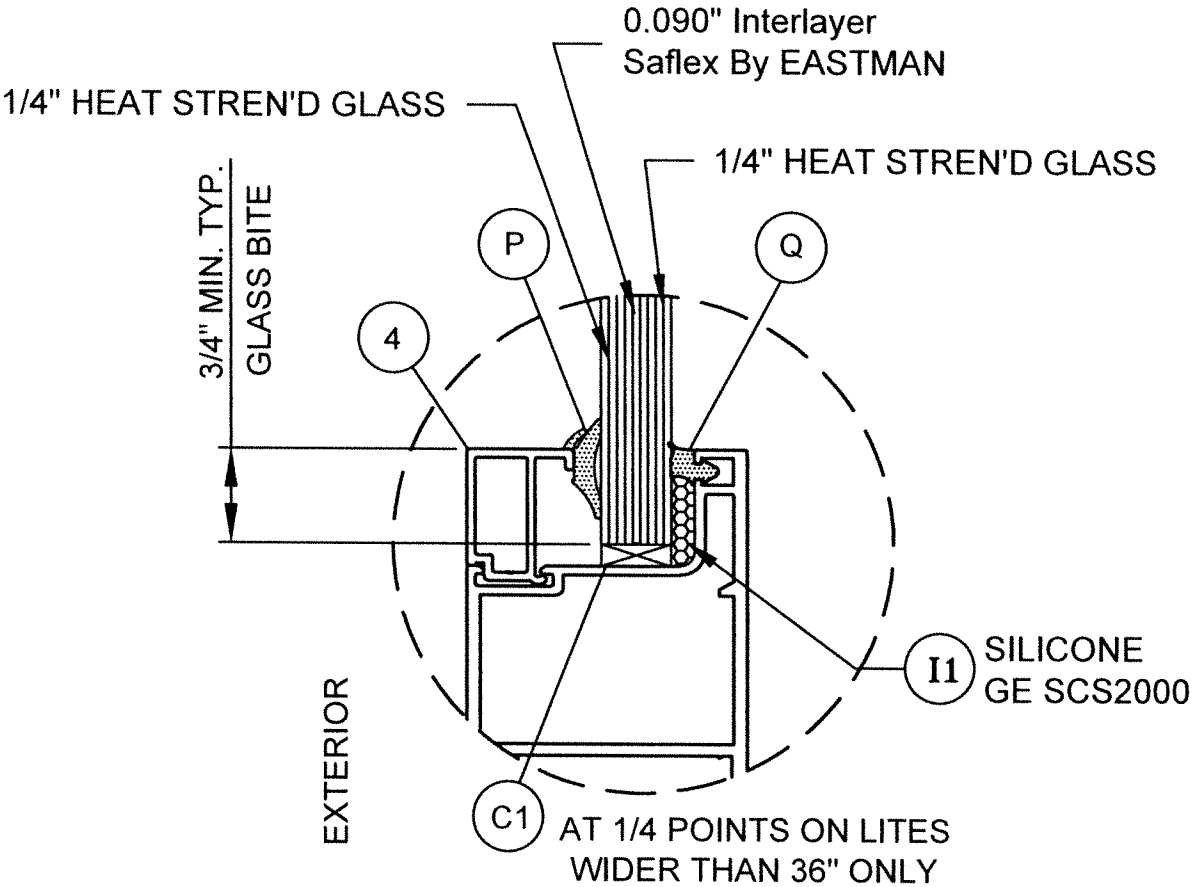
Y.M.
DRAWN BY:

08/17/23
DATE:

23-188
DRAWING No.

SHEET 13 OF 21

BILL OF MATERIALS (CONT'D) FOR THREE TRACK DOOR		
COMPONENT #	DESCRIPTION	MATERIAL
G1	LAMINATED GLASS, 9/16" NOMINAL THICKNESS. 1/4" HS + 0.090" SAFLEX INTERLAYER BY EASTMAN + 1/4" HS	GLASS



GLASS TYPE **G1**
 9/16" NOMINAL LAMINATED GLASS
GLASS CONFIGURATION
 SCALE: N.T.S

WALTER A. TILLIT JR.

LICENSE

No. 44167

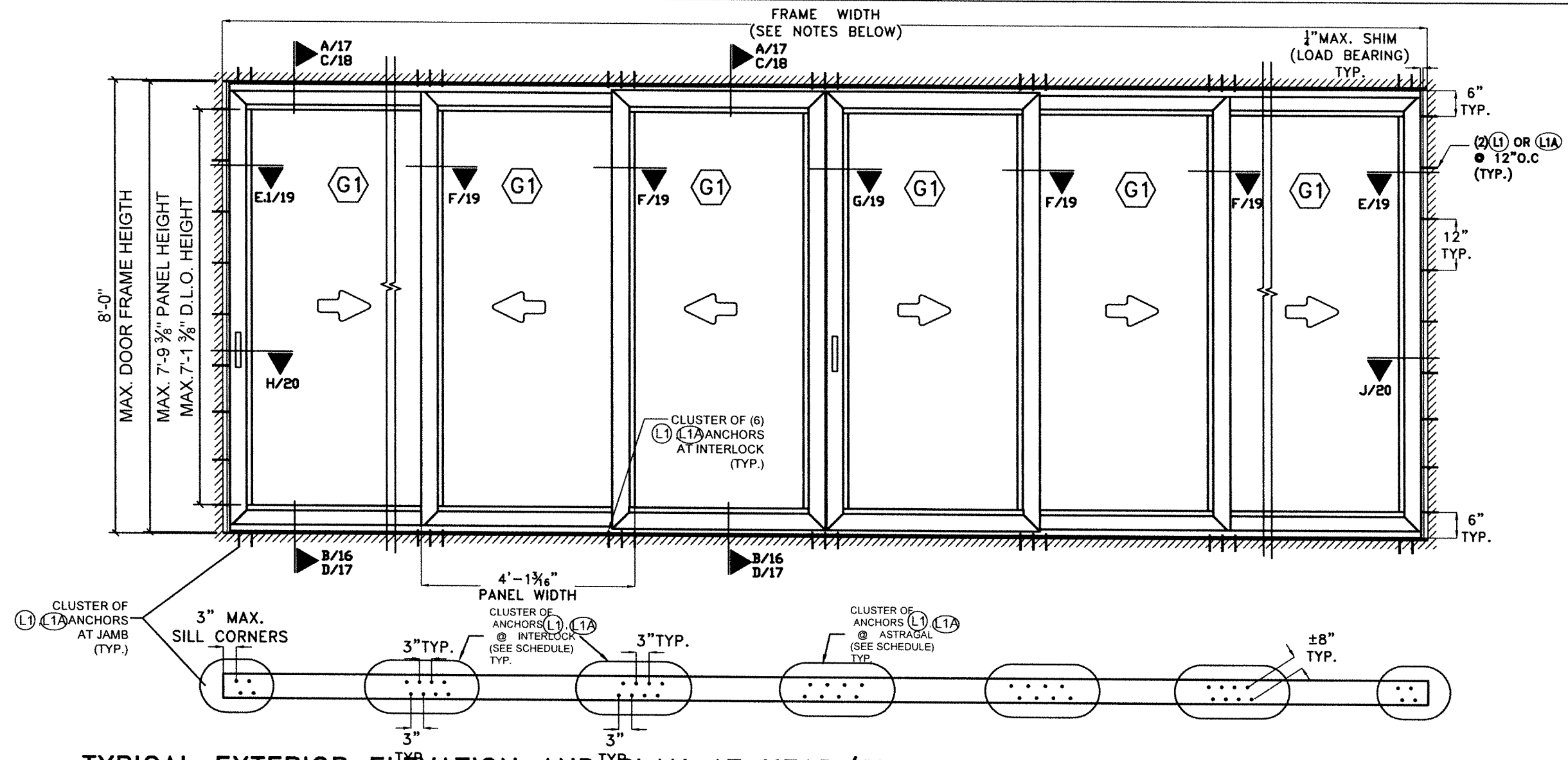
STATE OF FLORIDA

PROFESSIONAL ENGINEER

6/1/2023

P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)					
©2023 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			(2 & 3 TRACK) AB-2300 ALUMINUM SLIDING GLASS DOOR (L.M.I.) AMERICA'S BEST WINDOWS & DOORS 1350 PARK CENTRAL BLVD. POMPANO BEACH, FL 33064 (954) 973-1362		Y.M. DRAWN BY: 08/17/23 DATE: 23-188 DRAWING No.
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 23-061	8/17/23	3	-	-
2	-	-	4	-	-



TYPICAL EXTERIOR ELEVATION AND PLAN AT HEAD/SILL FOR 3 TRACK SLIDING GLASS DOOR

SCHEDULE FOR NUMBERS ANCHORS (L1), (L1A) REQUIRED AT CLUSTER AT INTERLOCK, ASTRAGAL & ENDS AT HEAD/SILL BASED ON A.S.D. DESIGN LOAD & SUBSTRATE*

A.S.D.(psf) DESIGN LOAD	AT INTERLOCK CLUSTER			AT ADJACENT TO JAMB CLUSTER		
	(L1) IN CONCRETE OR BLOCK	(L1) IN WOOD	(L1A) IN 1/8" ALUMINUM OR 12 GAGE STEEL	(L1) IN CONCRETE OR BLOCK	(L1) IN WOOD	(L1A) IN 1/8" ALUMINUM OR 12 GAGE STEEL
+55, -55 or LESS	6	8	8	2	4	2
> +55, -55 TO +65, -80	6	10	8	2	4	2

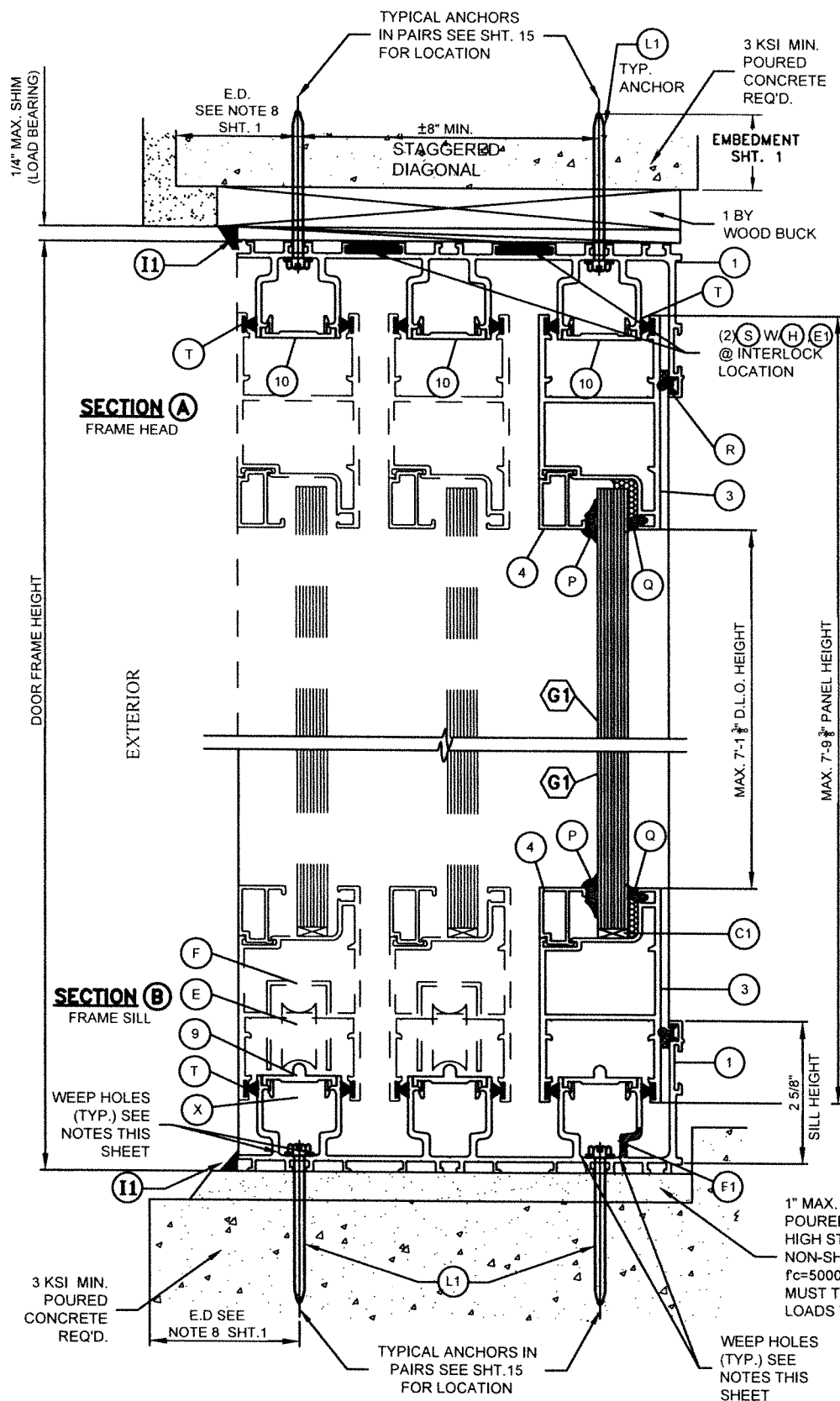
NOTES:

- 1-TYPICAL EXTERIOR ELEVATION SHOWS A 3 TRACK DOOR WITH MAXIMUM PANEL DIMENSION CONDITION.
- 2- IF NEEDED, AND BASED ON 16'-0" TOTAL TESTED DOOR FRAME WIDTH, AN ALLOWABLE NEW TOTAL FRAME WIDTH OF 1.5x 16'-0" = 24'-0" WILL BE ALLOWED TO BE INSTALLED FOR UP TO 96" FRAME HEIGHT DOORS AND A MAXIMUM PANEL WIDTH OF 49 3/16".
- 3- TYPICAL EXTERIOR ELEVATION SHOWS A CONFIGURATION W/ ATTACHED JAMBS.END PANELS MAY BE OPERABLE (X) OR FIXED (O). SEE NOTE 4.
- 4- TYPICAL EXTERIOR ELEVATION SHOWS AN OXXXXX CONFIGURATION. OTHER ALLOWED CONFIGURATIONS ARE ACCEPTABLE AS LONG AS TYPICAL MEETING RAILS AND ASTRAGAL CONFORM TO SECTIONS F/19, G/19, H/20, J/20. SEE SHEET 16.
- 5- (G1) IMPACT RESISTANT GLASS. SEE SHT. 14
LARGE & SMALL MISSILE QUALIFIED.

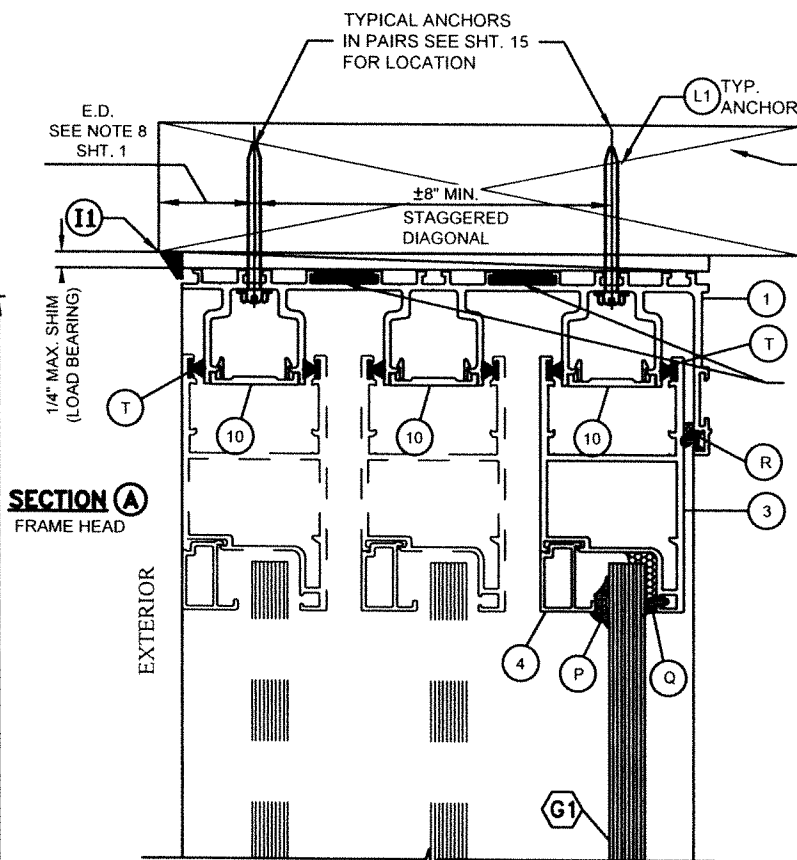
*ANCHORS ARE INSTALLED IN PAIRS AS SHOWN IN PLAN THIS SHEET.

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

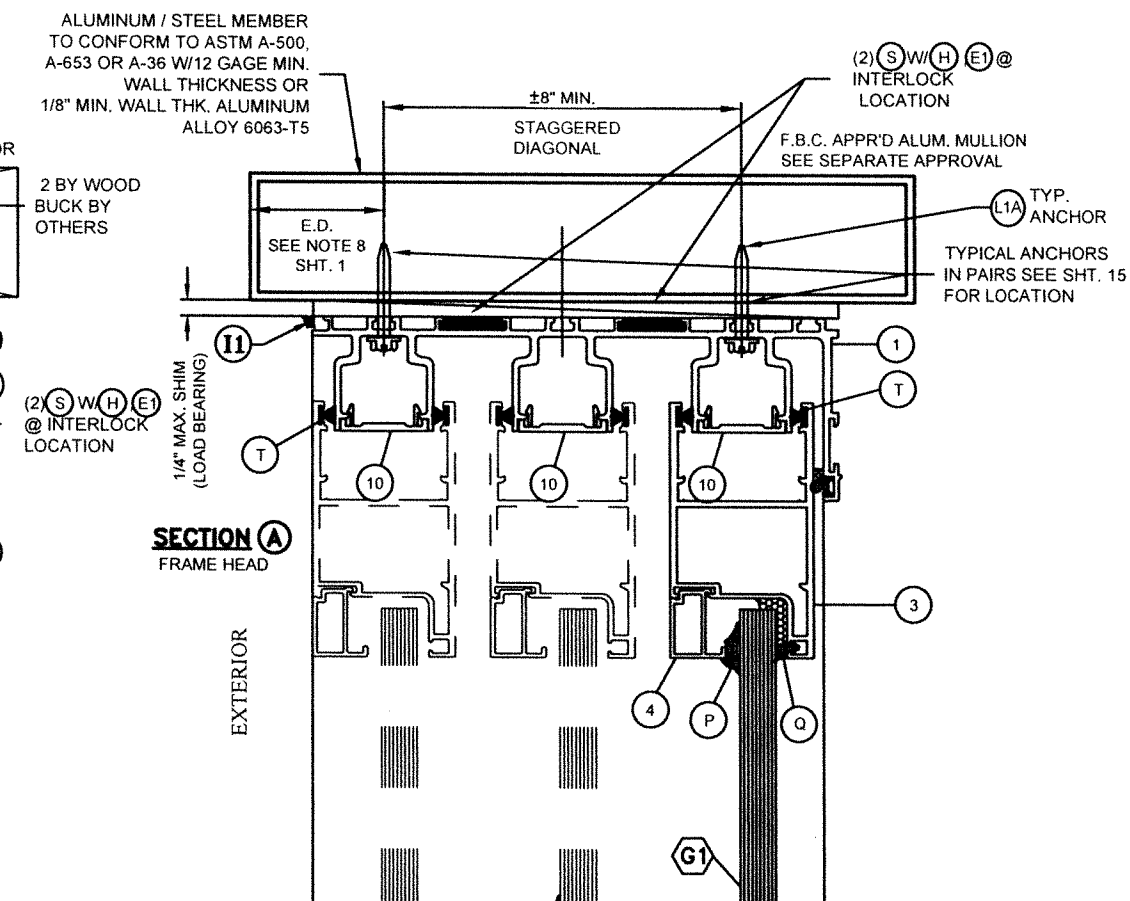
FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE) (2 & 3 TRACK) AB-2300 ALUMINUM SLIDING GLASS DOOR (L.M.I.) AMERICA'S BEST WINDOWS & DOORS 1350 PARK CENTRAL BLVD. POMPAÑO BEACH, FL 33064 (954) 973-1362				Y.M. DRAWN BY: 08/17/23 DATE: 23-188 DRAWING No.
©2023 TILTECO, INC. TILLIT TESTING & ENGINEERING 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	REV. NO DESCRIPTION DATE REV. No DESCRIPTION DATE 1 OLD 23-061 8/17/23 3 - - 2 - - 4 - -			



POURED CONCRETE SUBSTRATE



WOOD SUBSTRATE

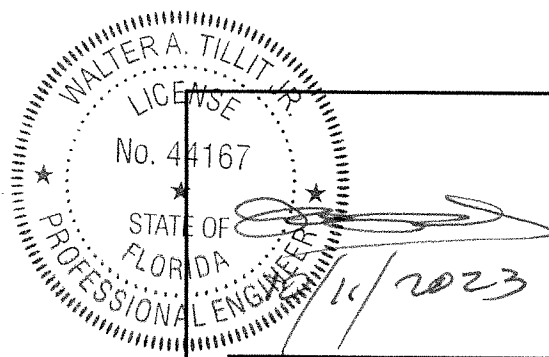


ALUMINUM OR STEEL SUBSTRATE

(3TRACK) S.G.D VERTICAL SECTIONS N.T.S

NOTE 1: WEEP HOLES REQUIREMENTS

- a- WEEP HOLE SIZE: 2" LONG X 3/16" WIDE
- b- AT INTERIOR TRACK OF SILL (1): PROVIDE (2) WEEP HOLES EACH PANEL @ 32" O.C, 8" END AT EXTERIOR AND INTERIOR LEG. INTERIOR LEG W/(F1) INCLUDED.
- c- AT EXTERIOR TRACK OF SILL (1): PROVIDE (4) WEEP HOLES EACH PANEL @ 13" O.C., 4 1/2" END AT EXTERIOR & INTERIOR LEG.



P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2023 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

(2 & 3 TRACK) AB-2300 ALUMINUM
SLIDING GLASS DOOR (L.M.I.)

AMERICA'S BEST WINDOWS & DOORS
1350 PARK CENTRAL BLVD.
POMPANO BEACH, FL 33064
(954) 973-1362

Y.M.
DRAWN BY:

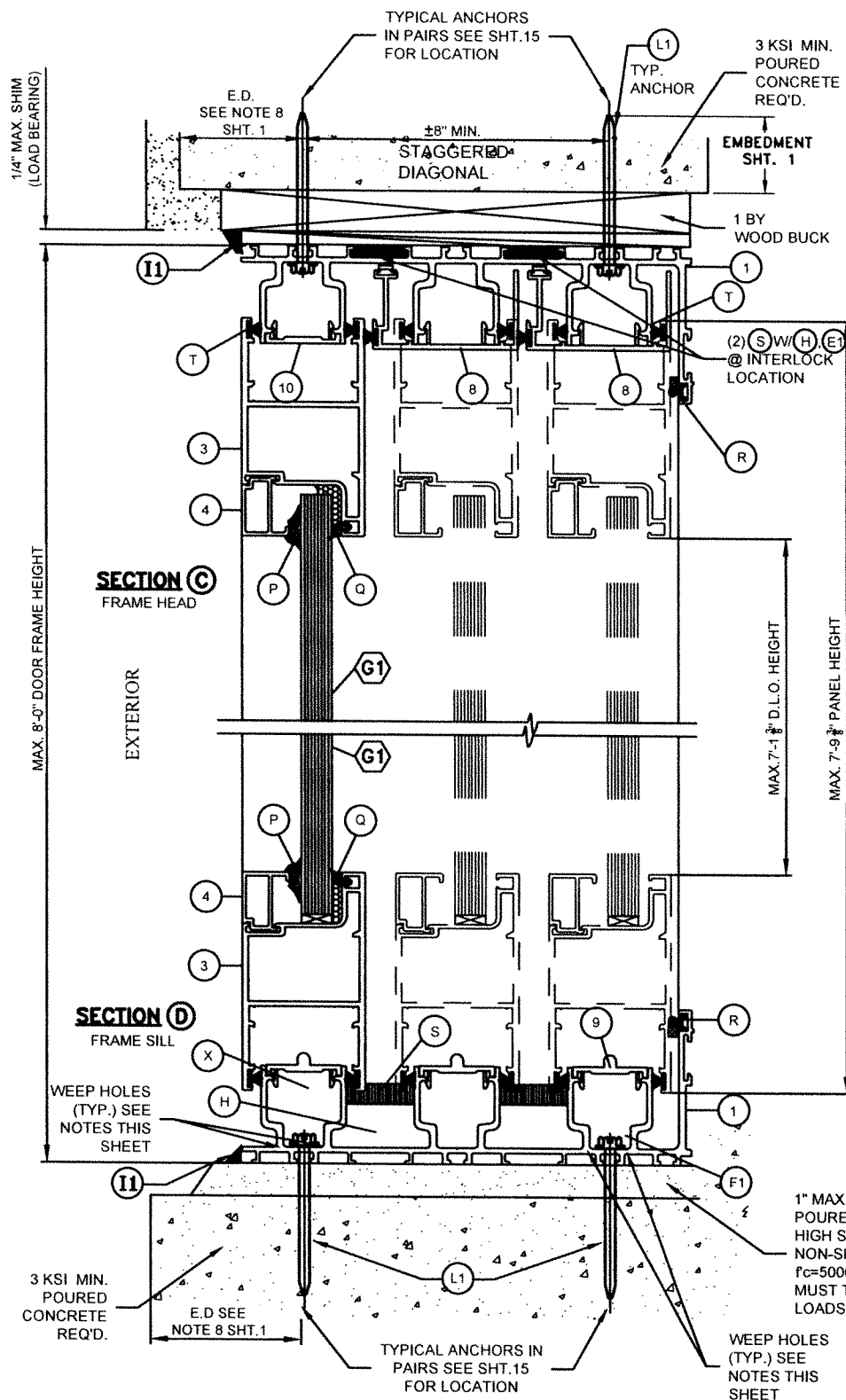
08/17/23
DATE:

23-188

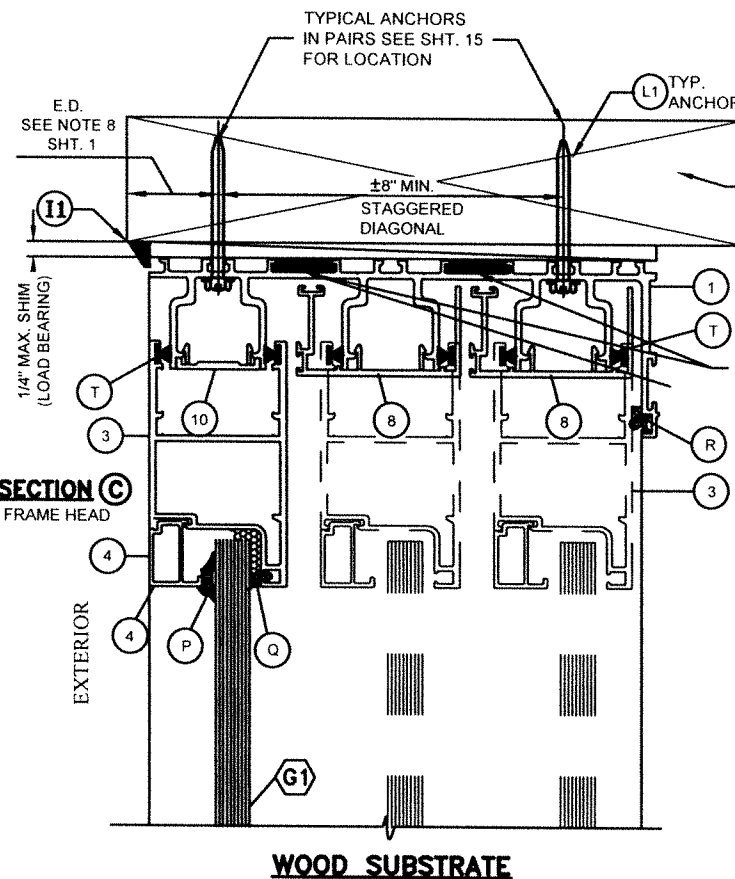
DRAWING No.

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 23-061	8/17/23	3	-	-
2	-	-	4	-	-

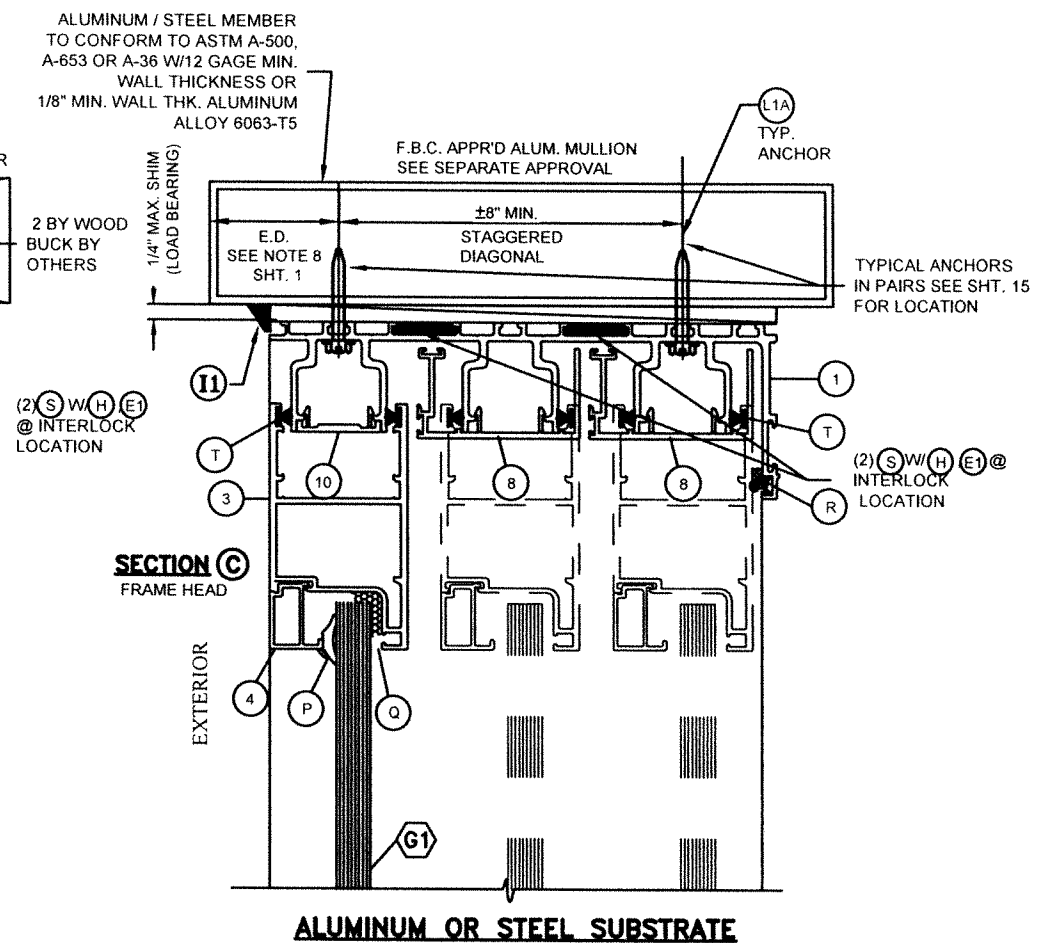
SHEET 17 OF 21



POURED CONCRETE SUBSTRATE



WOOD SUBSTRATE

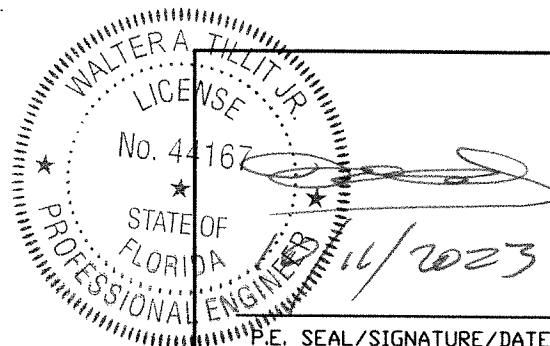


ALUMINUM OR STEEL SUBSTRATE

(3TRACK) S.G.D VERTICAL SECTIONS
N.T.S

NOTE 1: WEEP HOLES REQUIREMENTS

- a- WEEP HOLE SIZE: 2" LONG X 3/16" WIDE
- b- AT INTERIOR TRACK OF SILL (1): PROVIDE (2) WEEP HOLES EACH PANEL @ 32" O.C., 8" END AT EXTERIOR AND INTERIOR LEG. INTERIOR LEG W/(F1) INCLUDED.
- c- AT EXTERIOR TRACK OF SILL (1): PROVIDE (4) WEEP HOLES EACH PANEL @ 13" O.C., 4 1/2" END AT EXTERIOR & INTERIOR LEG.



FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2023 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

(2 & 3 TRACK) AB-2300 ALUMINUM SLIDING GLASS DOOR (L.M.I.)

AMERICA'S BEST WINDOWS & DOORS
1350 PARK CENTRAL BLVD.
POMPANO BEACH, FL 33064
(954) 973-1362

Y.M.
DRAWN BY:

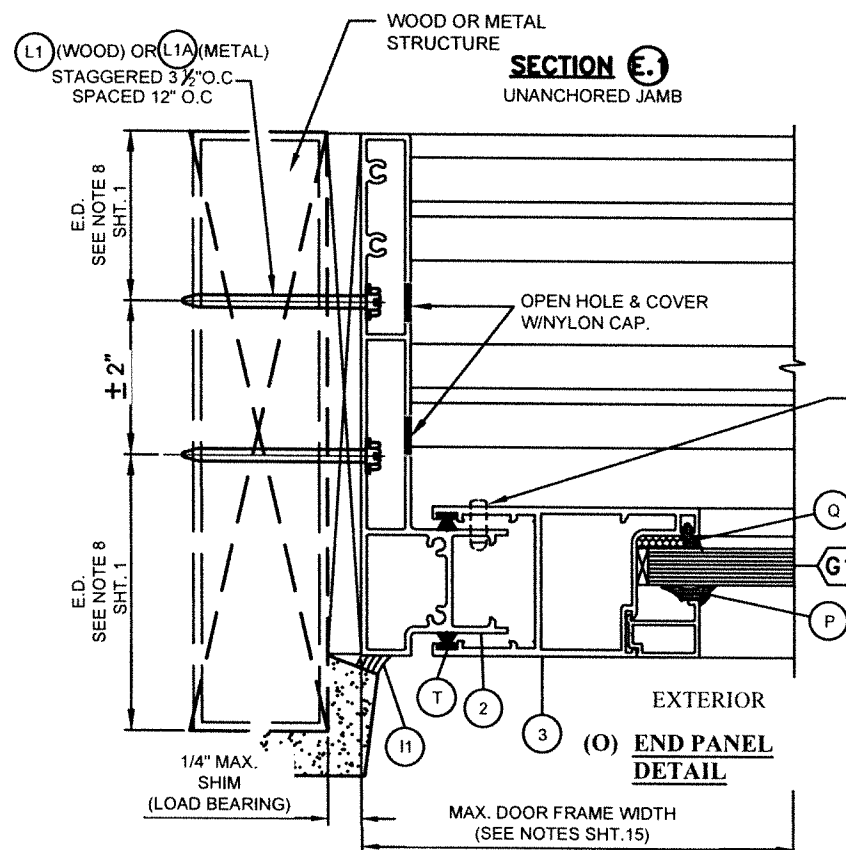
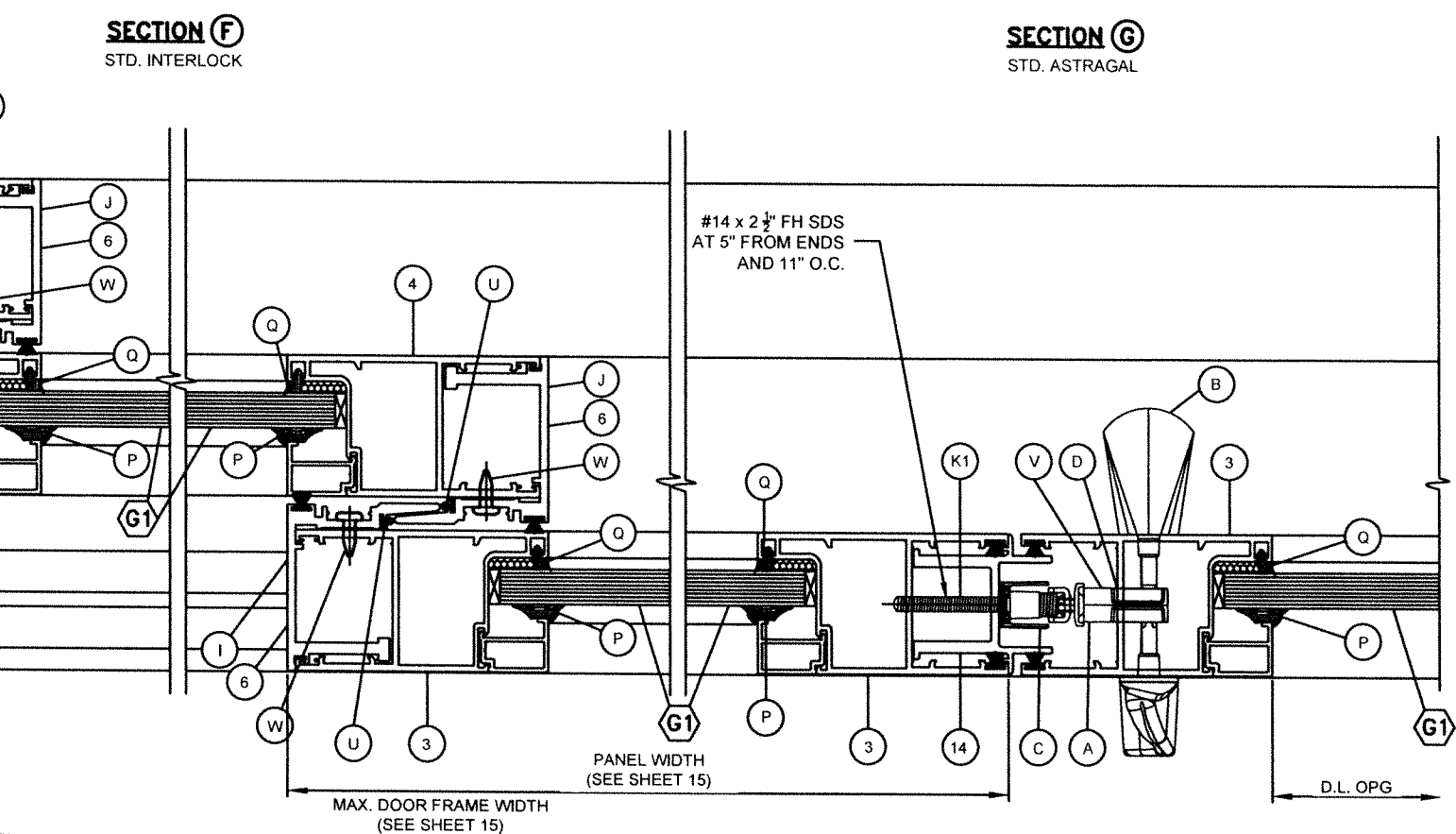
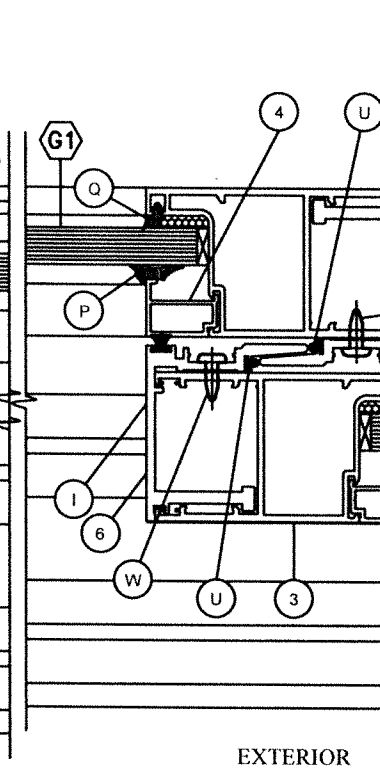
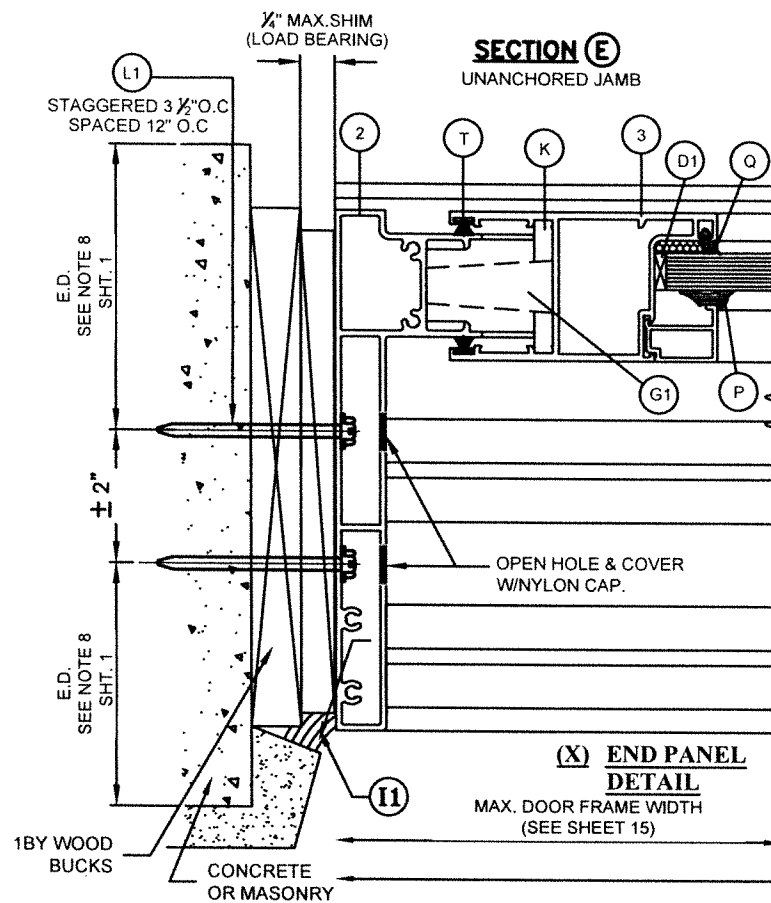
08/17/23
DATE:

23-188

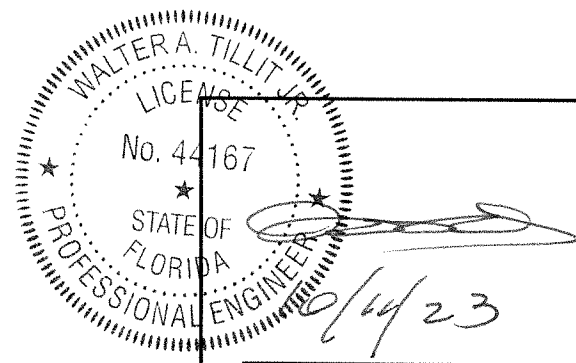
DRAWING No.

REV. NO.	DESCRIPTION	DATE	REV. No.	DESCRIPTION	DATE
1	OLD 23-061	8/17/23	3	-	-
2	-	-	4	-	-

SHEET 18 OF 21



POURED CONCRETE, MASONRY, WOOD OR METAL SUBSTRATE
(3 TRACK) S.G.D HORIZONTAL SECTIONS
N.T.S



P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2023 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

(2 & 3 TRACK) AB-2300 ALUMINUM SLIDING GLASS DOOR (L.M.I.)

AMERICA'S BEST WINDOWS & DOORS
1350 PARK CENTRAL BLVD.
POMPANO BEACH, FL 33064
(954) 973-1362

Y.M.
DRAWN BY:

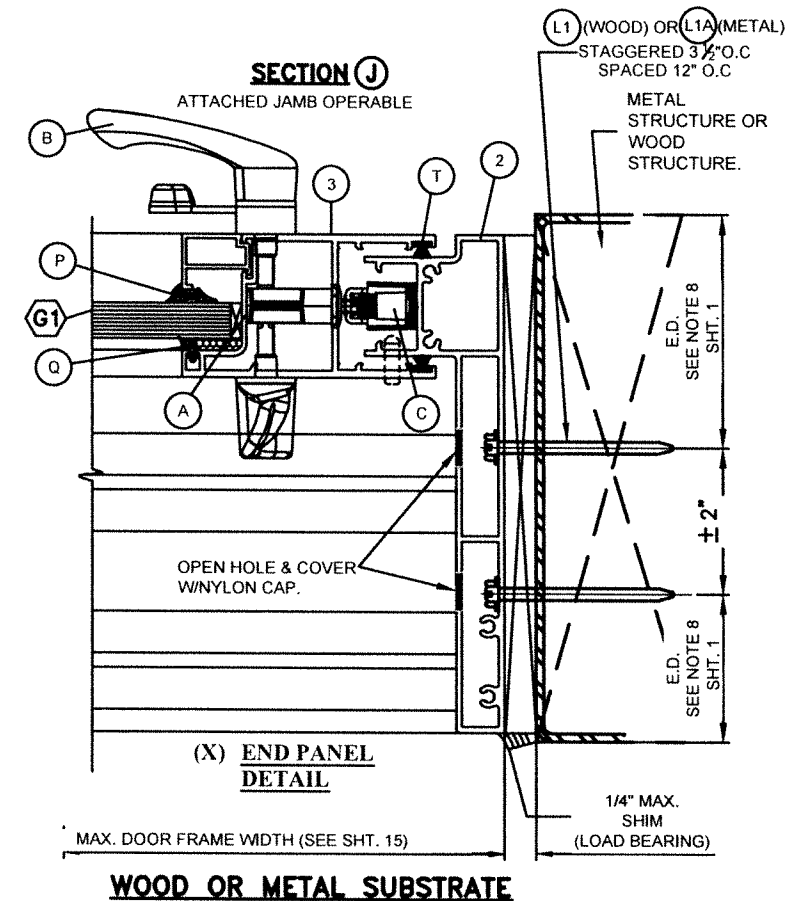
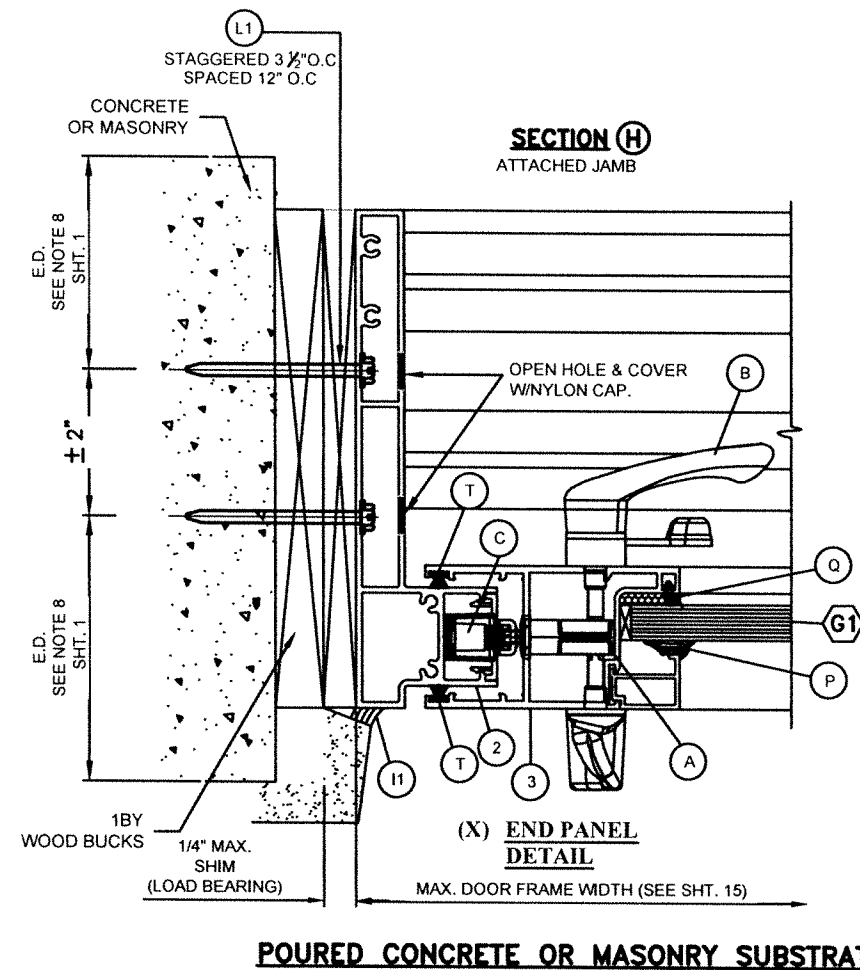
08/17/23
DATE:

23-188

DRAWING No.

REV. NO.	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 23-061	8/17/23	3	-	-
2	-	-	4	-	-

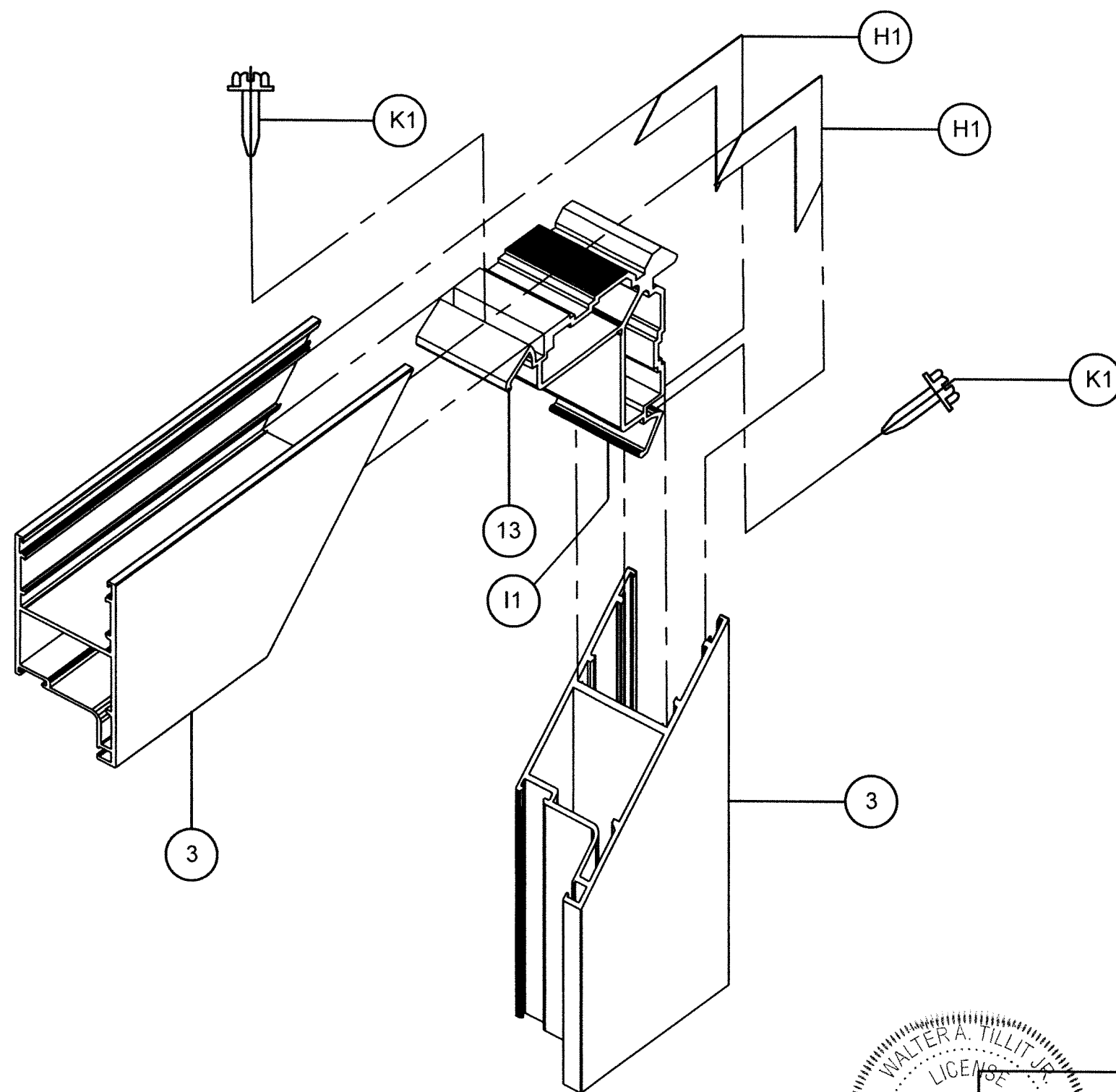
SHEET 19 OF 21



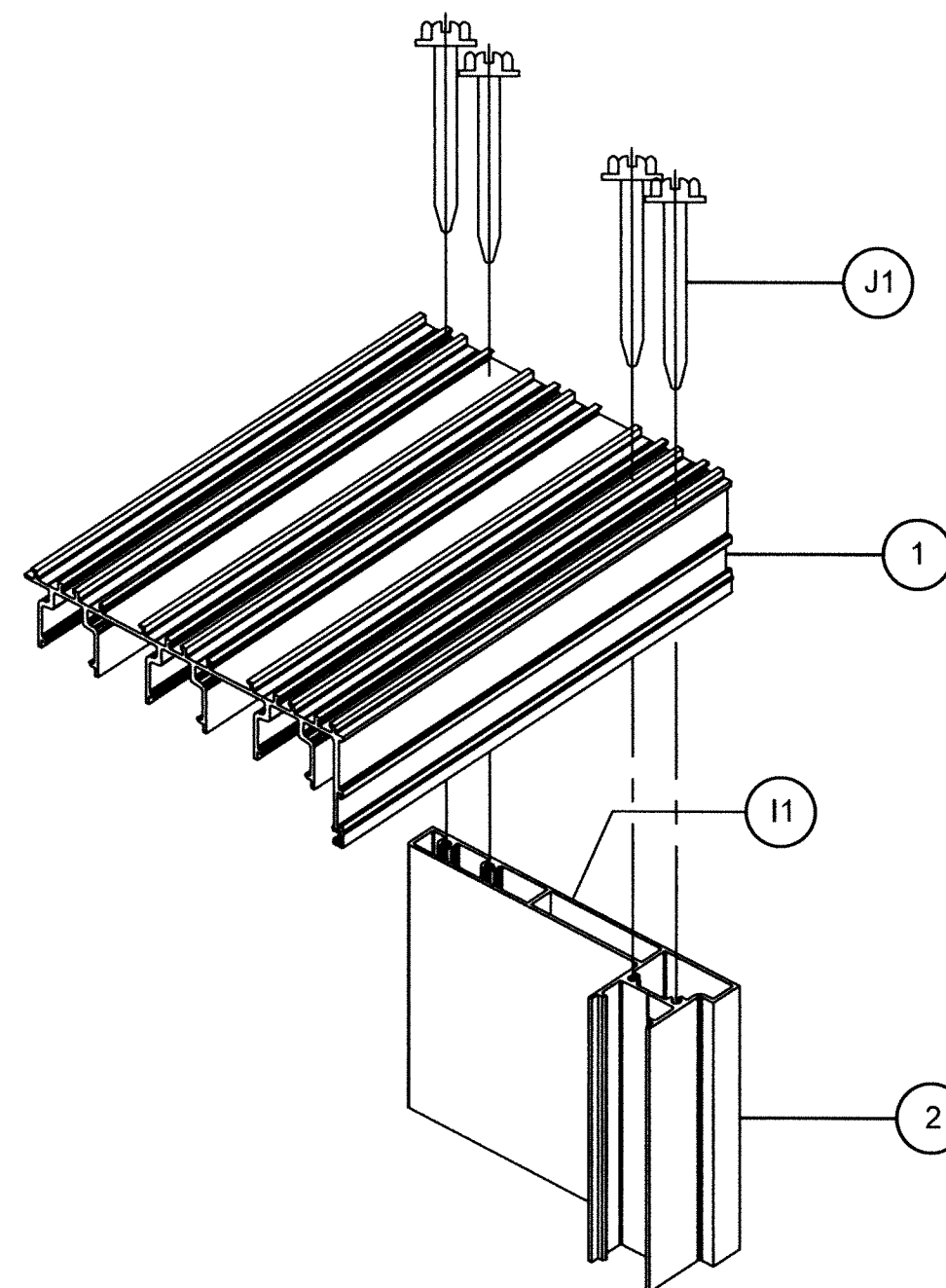
POURED CONCRETE, MASONRY, WOOD OR METAL SUBSTRATE
(3 TRACK) S.G.D HORIZONTAL SECTIONS
N.T.S

P.E. SEAL/SIGNATURE/DATE

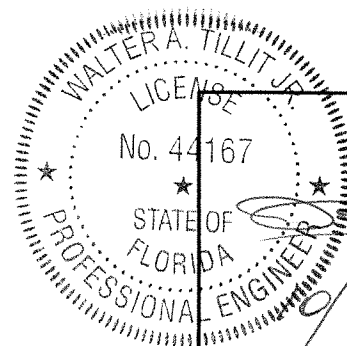
FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)					
©2023 TILTECO, INC. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 . Fax : (305)871-1531 CA-0006719 WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167			(2 & 3 TRACK) AB-2300 ALUMINUM SLIDING GLASS DOOR (L.M.I.) AMERICA'S BEST WINDOWS & DOORS 1350 PARK CENTRAL BLVD. POMPANO BEACH, FL 33064 (954) 973-1362		Y.M. DRAWN BY: 08/17/23 DATE: 23-188 DRAWING No.
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 23-061	8/17/23	3	-	-
2	-	-	4	-	-



(3 TRACK) S.G.D PANEL TOP /
BOTTOM CORNER



(3 TRACKS) S.G.D FRAME TOP /
BOTTOM CORNER



P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2023 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

(2 & 3 TRACK) AB-2300 ALUMINUM
SLIDING GLASS DOOR (L.M.I.)

AMERICA'S BEST WINDOWS & DOORS
1350 PARK CENTRAL BLVD.
POMPANO BEACH, FL 33084
(954) 973-1362

Y.M.
DRAWN BY:

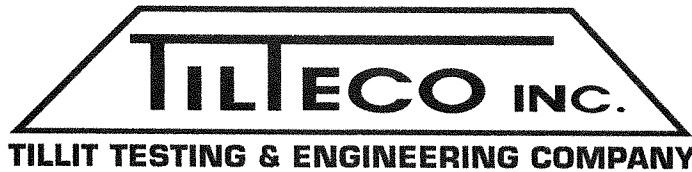
08/17/23
DATE:

23-188

DRAWING No.

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 23-061	8/17/23	3	-	-
2	-	-	4	-	-

SHEET 21 OF 21



WALTER A. TILLIT, JR., P.E.

tilteco@aol.com
FL P.E. License No. 44167
FL C.A. License No. 0006719

CERTIFICATE OF INDEPENDENCE

Evaluation Report #: 23-0817.13

Date: August 17, 2023

Product Category: Exterior Doors

Product Subcategory: Sliding Exterior Door Assemblies

Product Name: 2 & 3 TRACK AB-2300 ALUMINUM SLIDING GLASS DOOR (L.M.I)

Manufacturer Name: AMERICA'S BEST WINDOWS & DOORS
1350 PARK CENTRAL BLVD.
POMPANO BEACH, FL 33064

Dear Sir (Madam):

This is to certify that this Florida Professional Engineer, performing this evaluation does not have nor will acquire, a financial interest in any company manufacturing or distributing products for which the reports are being issued.

This is also to certify that this Florida Professional Engineer performing this evaluation does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.

Certificate of Independence prepared by Walter A. Tillit, Jr., P.E. (Florida License No. 44167), President of Tilteco, Inc. (Florida CA-0006719).

8/17/2023

WAT\ma

D:\TILTECO ADMIN RECORDS \ CERTIFICATION OF INDEPENDENCE \ AMERICA'S BEST WINDOWS & DOORS \ 2 & 3 TRACK AB-2300 ALUMINUM SLIDING GLASS DOOR (L.M.I) \ CERTIFICATE OF INDEPENDENCE # 23-0817.13 \ DRAWING 23-188