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**Product Approval**  
USER: Public User

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OFFICE OF THE SECRETARY

FL #	FL41916-R1										
Application Type	Revision										
Code Version	2020										
Application Status	Approved										
Comments											
Archived	<input type="checkbox"/>										
Product Manufacturer	Americas Best Windows & Doors										
Address/Phone/Email	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	Exterior Doors										
Subcategory	Sliding Exterior Door Assemblies										
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer <input type="checkbox"/> Evaluation Report - Hardcopy Received										
Florida Engineer or Architect Name who developed the Evaluation Report	Walter A. Tillit Jr., P.E.										
Florida License	PE-44167										
Quality Assurance Entity	Keystone Certifications, Inc.										
Quality Assurance Contract Expiration Date	02/09/2033										
Validated By	John W. Knezevich, PE <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received										
Certificate of Independence	<a href="#">FL41916_R1_COI_Certificate of Independence.pdf</a>										
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th><b>Standard</b></th> <th><b>Year</b></th> </tr> </thead> <tbody> <tr> <td>ASTM E1300</td> <td>2009</td> </tr> <tr> <td>TAS 201</td> <td>1994</td> </tr> <tr> <td>TAS 202</td> <td>1994</td> </tr> <tr> <td>TAS 203</td> <td>1994</td> </tr> </tbody> </table>	<b>Standard</b>	<b>Year</b>	ASTM E1300	2009	TAS 201	1994	TAS 202	1994	TAS 203	1994
<b>Standard</b>	<b>Year</b>										
ASTM E1300	2009										
TAS 201	1994										
TAS 202	1994										
TAS 203	1994										
Equivalence of Product Standards Certified By											
Sections from the Code											

Product Approval Method

Method 1 Option D

Date Submitted 06/27/2023  
 Date Validated 07/05/2023  
 Date Pending FBC Approval 07/06/2023  
 Date Approved 08/15/2023  
 Date Revised 10/01/2023

**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
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> Yes <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> Yes <b>Design Pressure:</b> +65/-80 <b>Other:</b> See Item 7 of the Evaluation Report for limitations.		<b>Installation Instructions</b> <a href="#">FL41916_R1_II_PED_Drwg_23-061_Americas_Best_Windows_and_Doors.pdf</a> Verified By: Walter A. Tillit Jr., P.E. PE 44167 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL41916_R1_AE_PER_SERIES_21000_GENERAL_IMPACT.1.pdf</a> Created by Independent Third Party: Yes

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

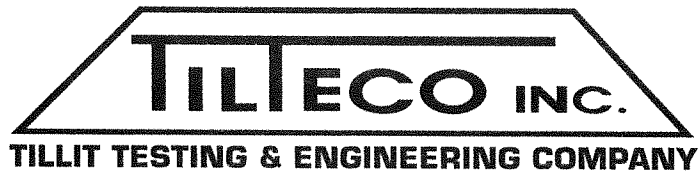
Contact Us :: [2601 Blair Stone Road, Tallahassee FL 32399](#) Phone: 850-487-1824

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**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)

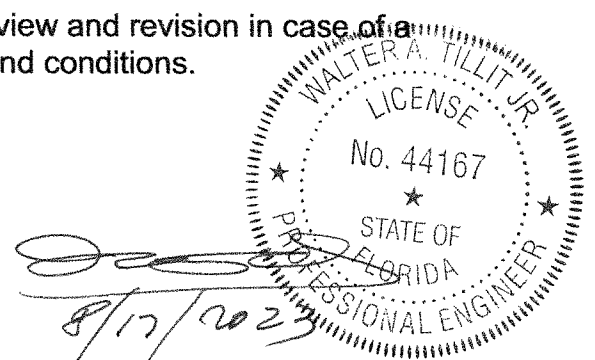
**MANUFACTURER:** AMERICA'S BEST WINDOWS & DOORS  
1350 PARK CENTRAL BLVD.  
POMPANO BEACH, FL 33064

### 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.

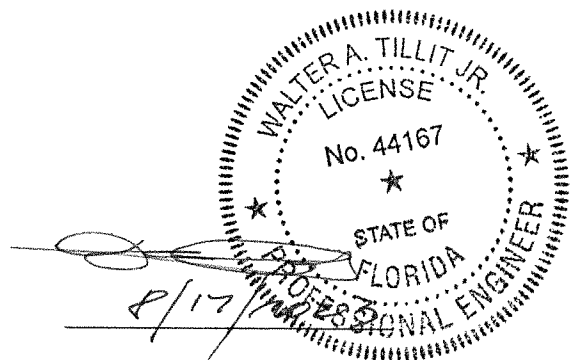
## **3. MISSILE IMPACT RESISTANCE:**

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.

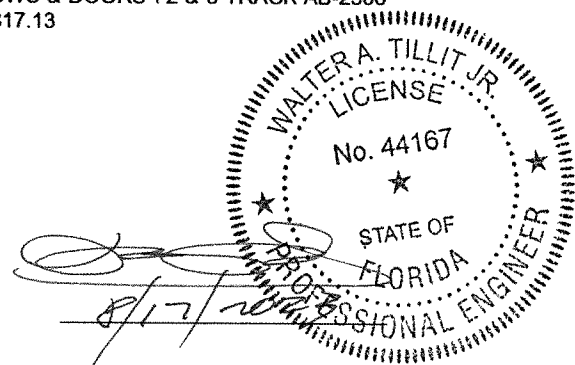
7.2. Product **may** be installed within HIGH VELOCITY HURRICANE ZONES as defined on section 202 of the Florida Building Code and out of it.

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  $C_D=1.60$  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 THE 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.**

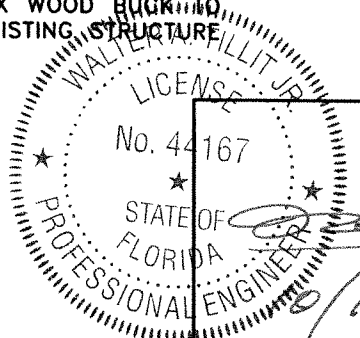
6 ALL SCREWS USED FOR ASSEMBLY CONNECTIONS (METAL TO METAL) TO BE STAINLESS STEEL 304 OR 316 AISI SERIES OR CORROSION RESISTANT COATED CARBON STEEL AS PER DIN 50018 WITH 50 ksi YIELD STRENGTH AND 90 ksi TENSILE STRENGTH & SHALL COMPLY W/ FLORIDA BUILDING CODE SECTION 2411.3.3.4.

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.

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



**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"  $\emptyset$  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"  $\emptyset$  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"  $\emptyset$  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.

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

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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	-	-

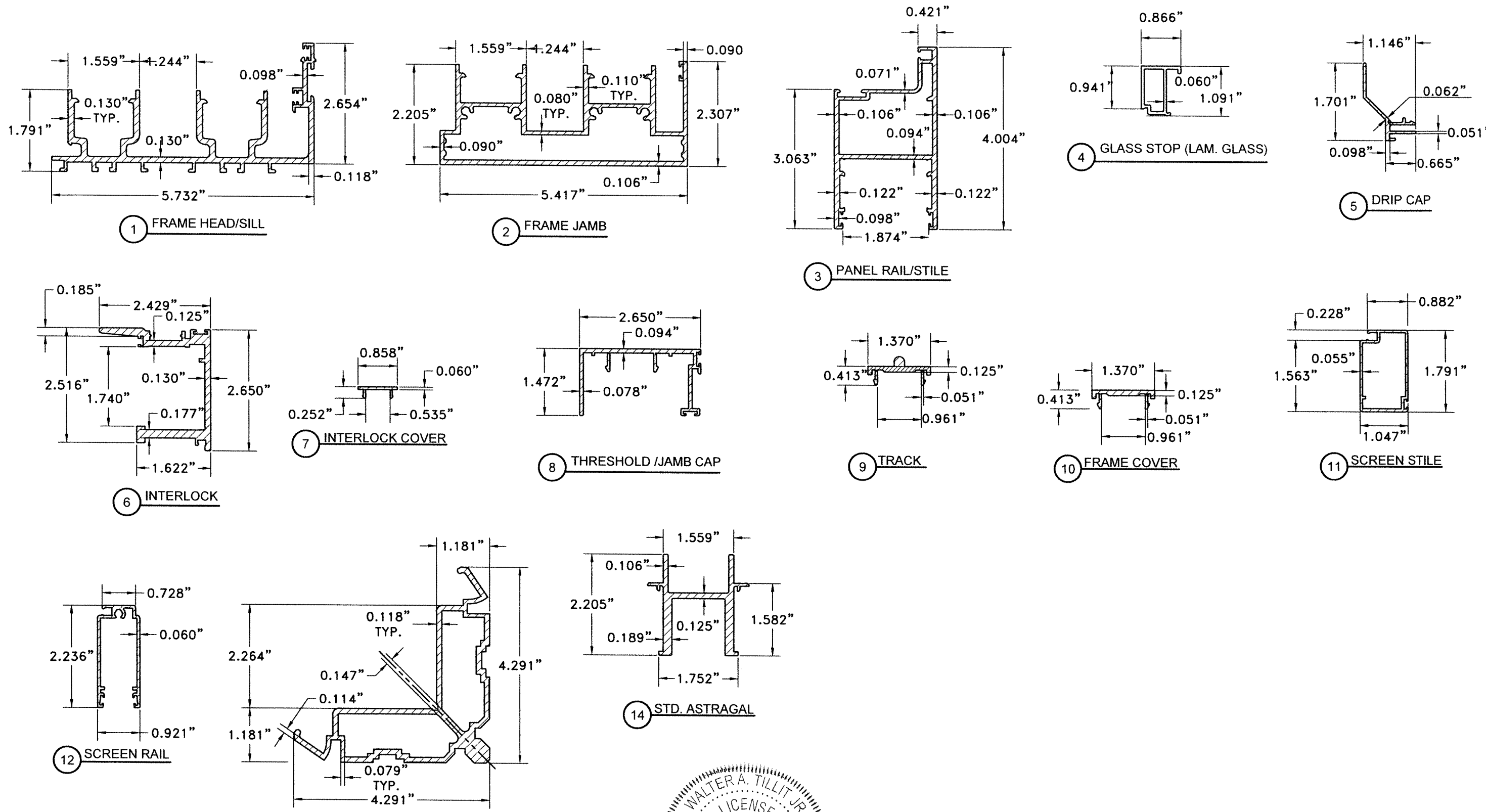
SHEET 1 OF 21

P.E. SEAL/SIGNATURE/DATE

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" X 1.25" 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 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)		(2 & 3 TRACK) AB-2300 ALUMINUM SLIDING GLASS DOOR (L.M.I.)		Y.M. DRAWN BY:																			
©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		<b>AMERICA'S BEST WINDOWS &amp; DOORS</b> 1350 PARK CENTRAL BLVD. POMPANO BEACH, FL 33064 (954) 973-1362		08/17/23 DATE:																			
23-188 DRAWING No.		<table border="1"> <tr> <th>REV. NO</th> <th>DESCRIPTION</th> <th>DATE</th> <th>REV. No</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> <tr> <td>1</td> <td>OLD 23-061</td> <td>8/17/23</td> <td>3</td> <td>-</td> <td>-</td> </tr> <tr> <td>2</td> <td>-</td> <td>-</td> <td>4</td> <td>-</td> <td>-</td> </tr> </table>		REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	1	OLD 23-061	8/17/23	3	-	-	2	-	-	4	-	-	SHEET 2 OF 21	
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE																		
1	OLD 23-061	8/17/23	3	-	-																		
2	-	-	4	-	-																		



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

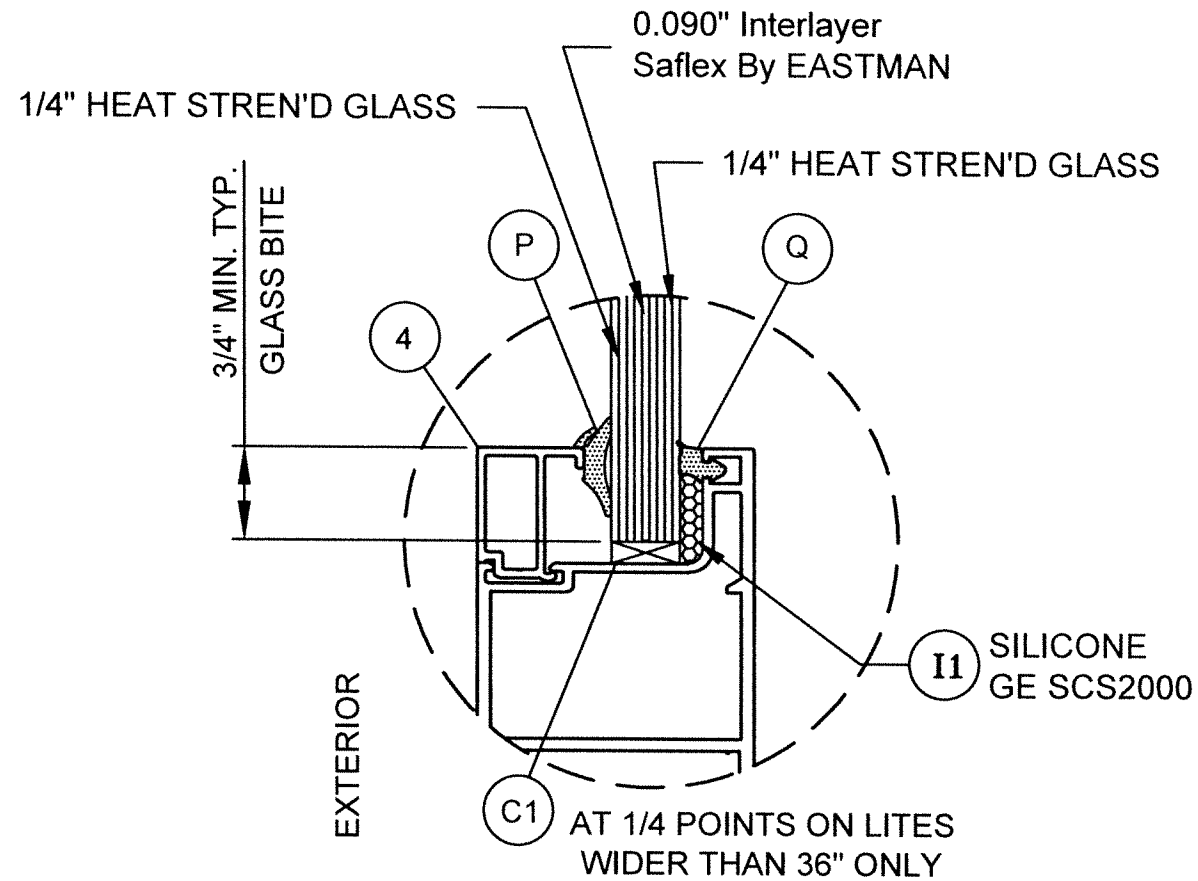
WALTER A. TILLIT JR.  
LICENSE  
No. 44167  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
8/17/2023  
P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)					
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<b>TILTECO INC.</b>					
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.)					
<b>AMERICA'S BEST WINDOWS &amp; DOORS</b>					
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: <b>23-188</b> 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

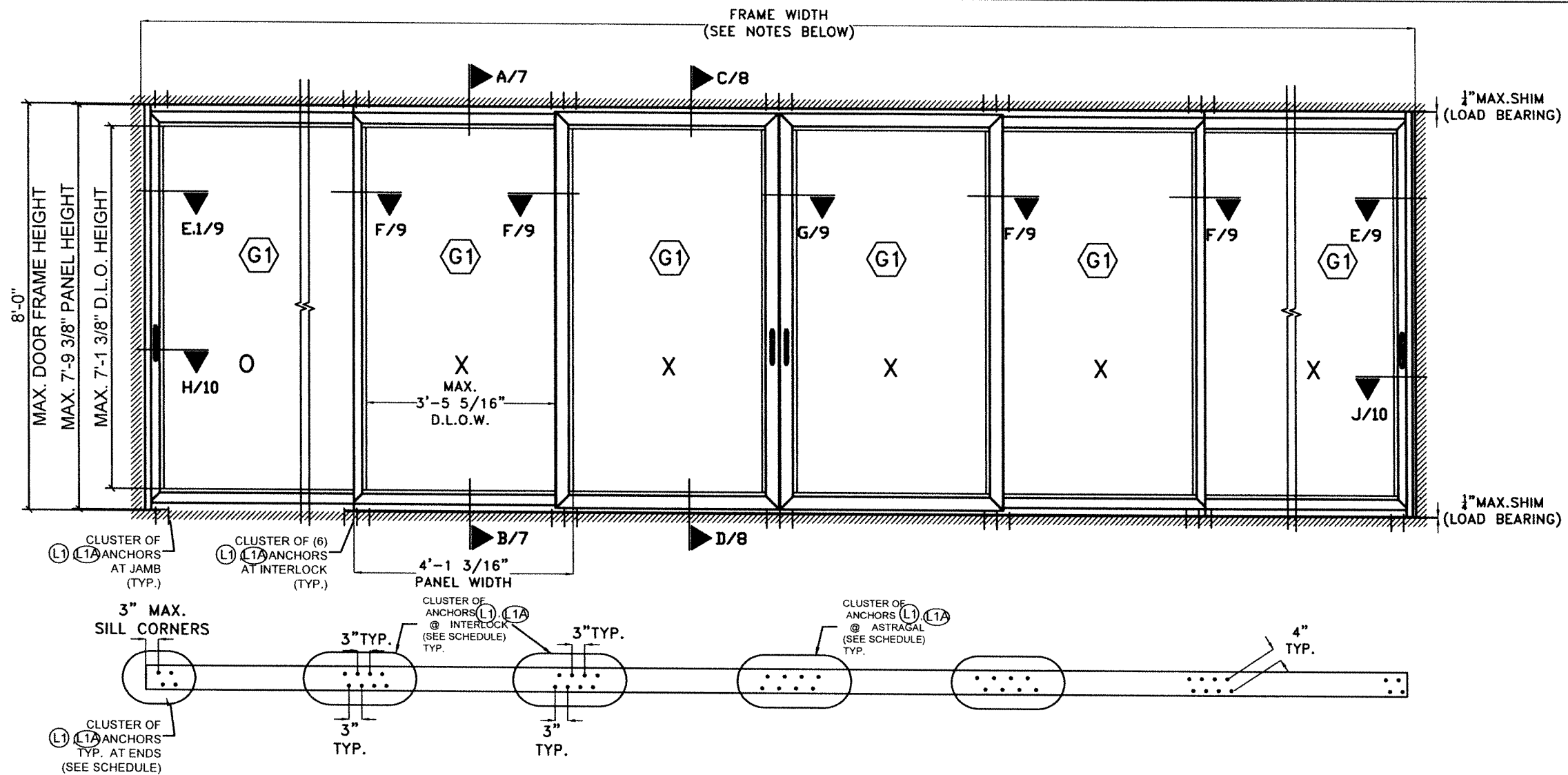


**GLASS TYPE** G1  
 9/16" NOMINAL LAMINATED GLASS  
**GLASS CONFIGURATION**

SCALE: N.T.S

WALTER A. TILLIT JR.  
 LICENSE  
 No. 44167  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER  
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©2023 TILTECO, INC.				(2 & 3 TRACK) AB-2300 ALUMINUM SLIDING GLASS DOOR (L.M.I.)	
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Y.M. DRAWN BY:		DATE:		DRAWING No.	
		08/17/23		23-188	
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2	-	-	4	-	-
					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 1.5x 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/ 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.

WALTER A. TILLIT JR.  
LICENSE  
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STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
10/11/2023  
P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

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**TILTECO INC.**

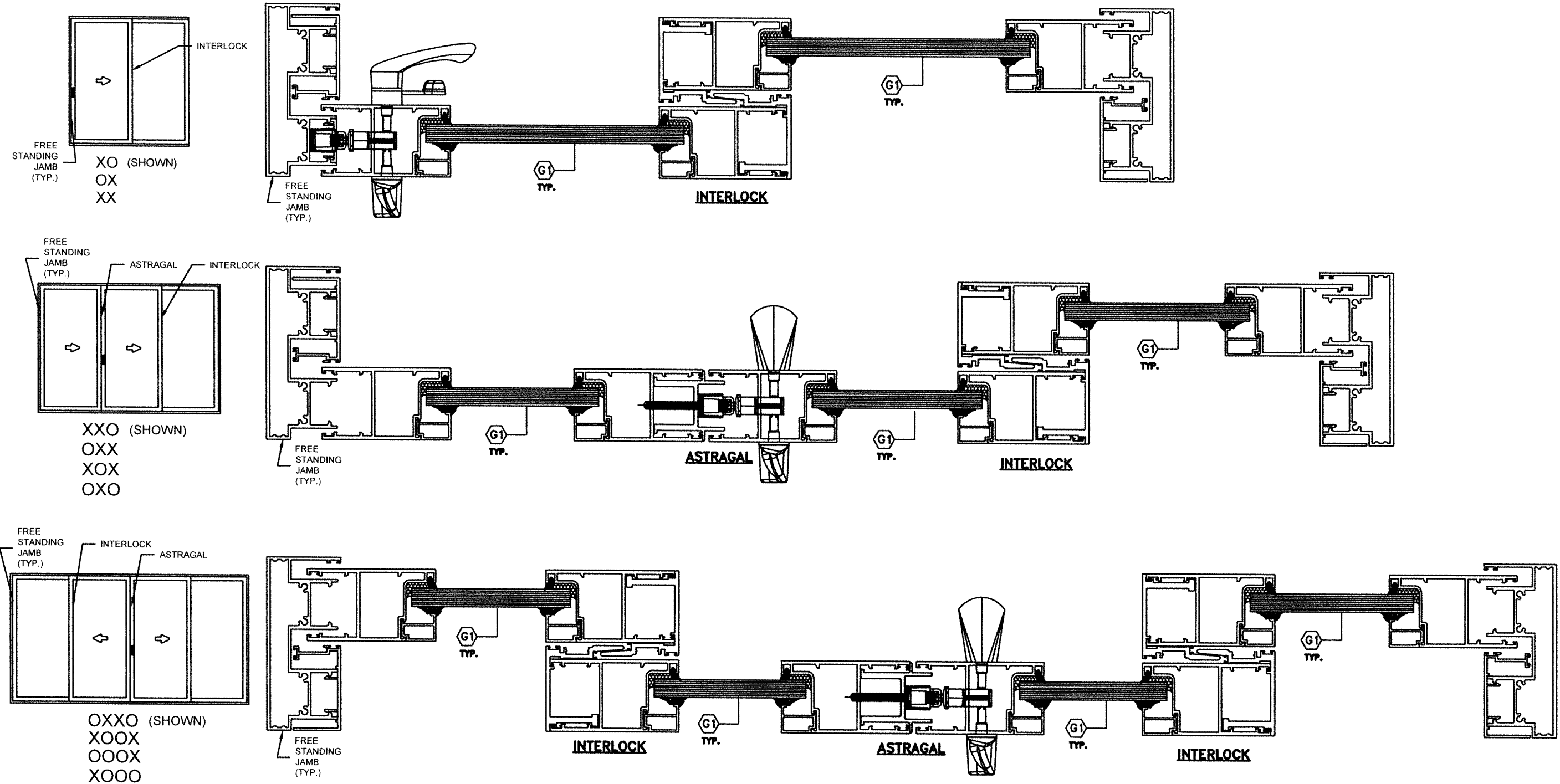
TILLIT TESTING & ENGINEERING COMPANY  
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166  
Phone : (305)871-1530 . Fax : (305)871-1531  
CA-0006719  
WALTER A. TILLIT Jr. P.E.  
FLORIDA Lic. # 44167

(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
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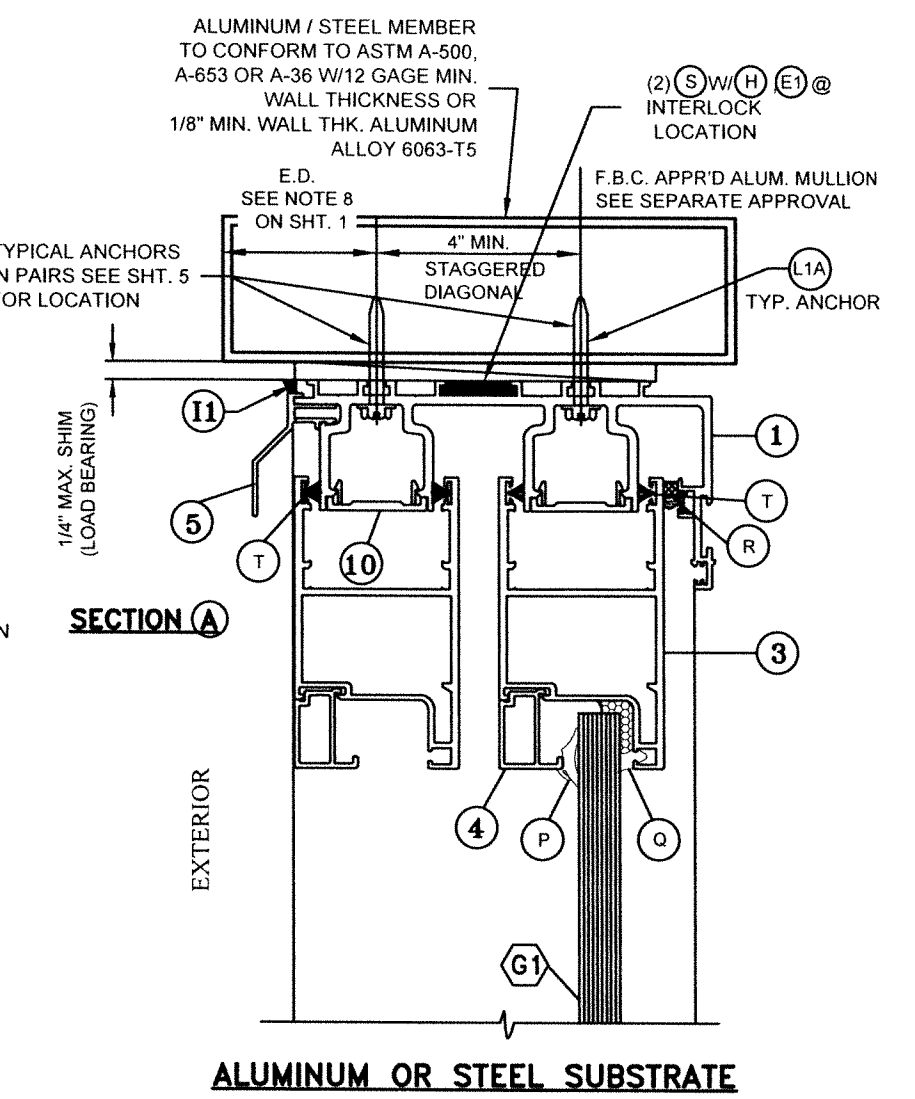
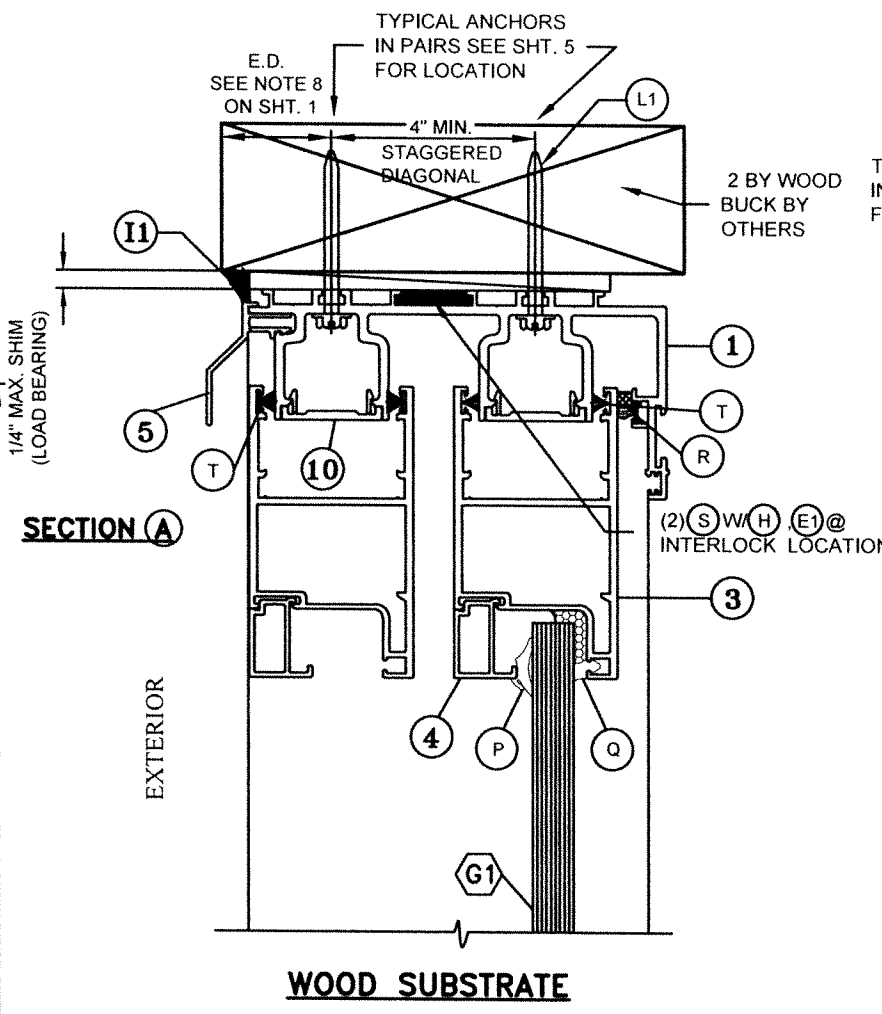
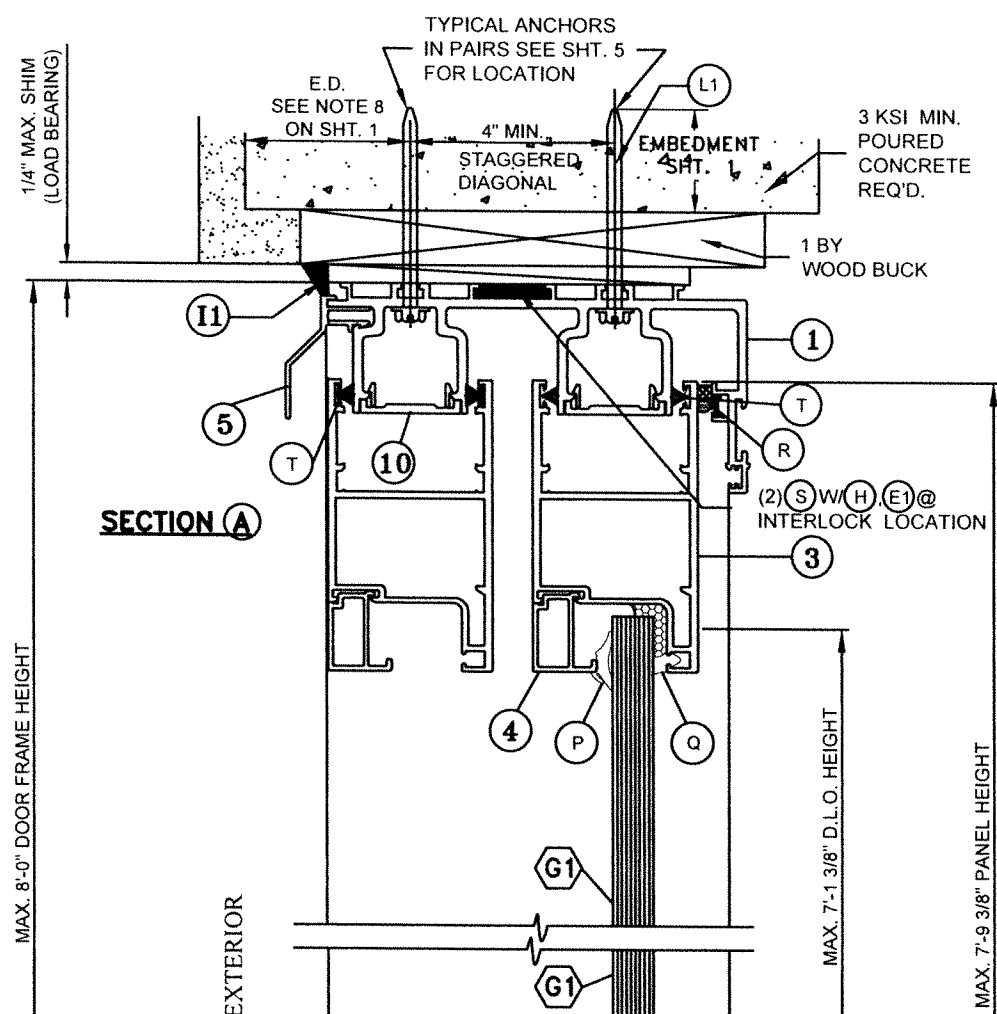
Y.M. DRAWN BY:  
08/17/23 DATE:  
**23-188** DRAWING No.  
SHEET 5 OF 21



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

WALTER A. TILLIT JR.  
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 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER  
 P.E. SEAL/SIGNATURE/DATE

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 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.) <b>AMERICA'S BEST WINDOWS &amp; DOORS</b> 1350 PARK CENTRAL BLVD. POMPANO BEACH, FL 33064 (954) 973-1362	
				DATE: 08/17/23	
				DRAWING No. <b>23-188</b>	
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 23-061	8/17/23	3	-	-
2	-	-	4	-	-
					SHEET <b>6</b> OF 21



**SECTION A**

**SECTION A**

**SECTION A**

**SECTION B**

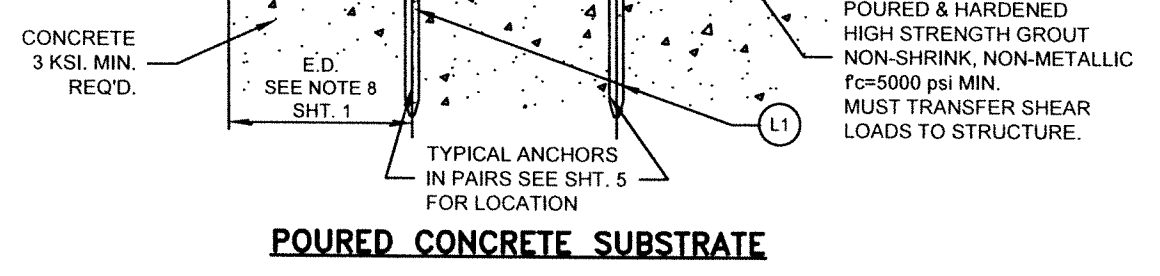
**WOOD SUBSTRATE**

**ALUMINUM OR STEEL SUBSTRATE**

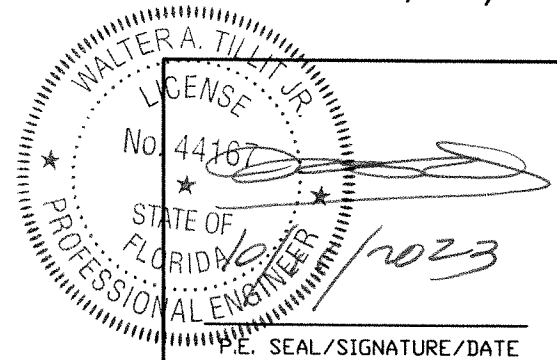
**(2 TRACK) S.G.D VERTICAL SECTIONS**  
N.T.S

**NOTE 1: WEEP HOLES REQUIREMENTS**

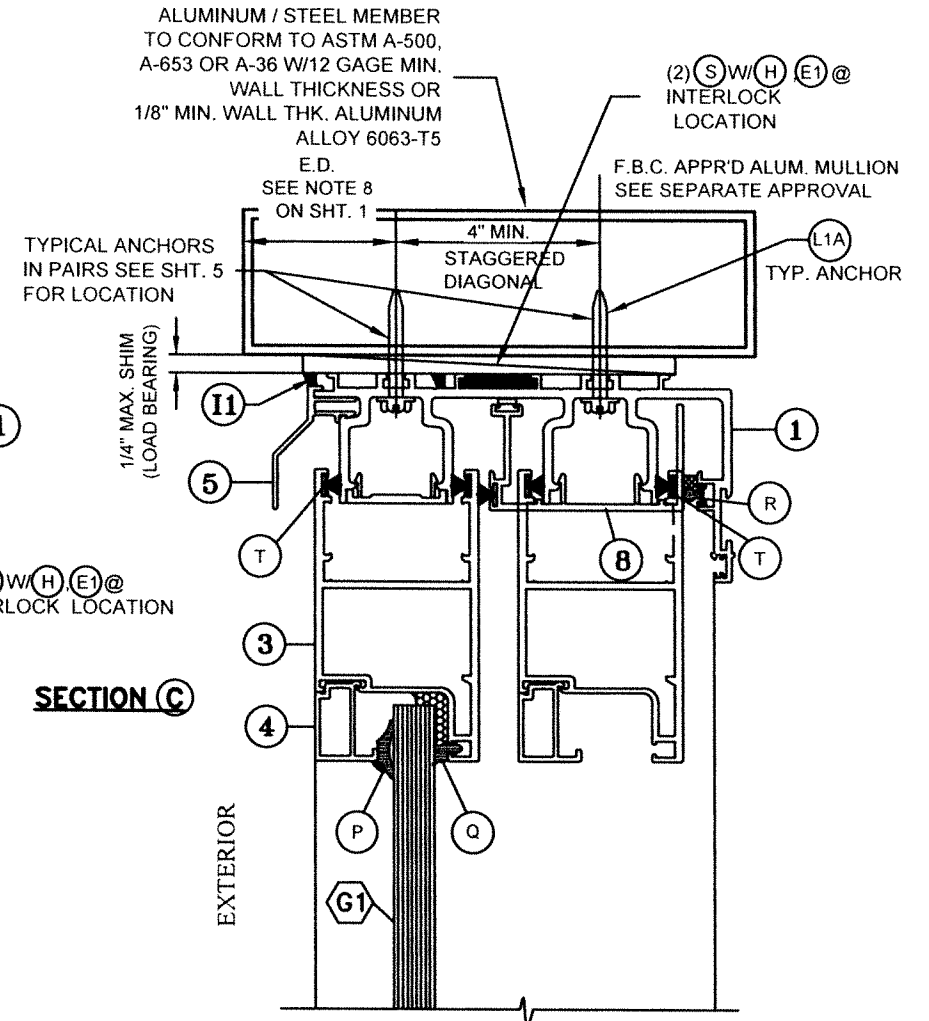
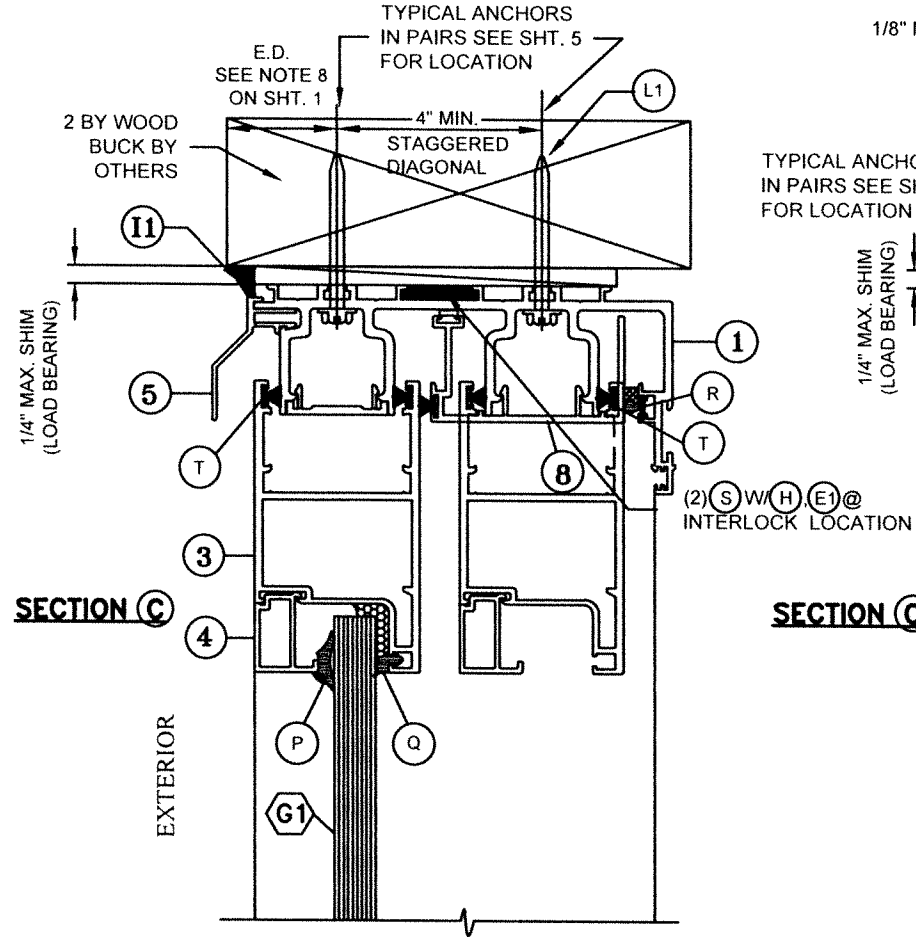
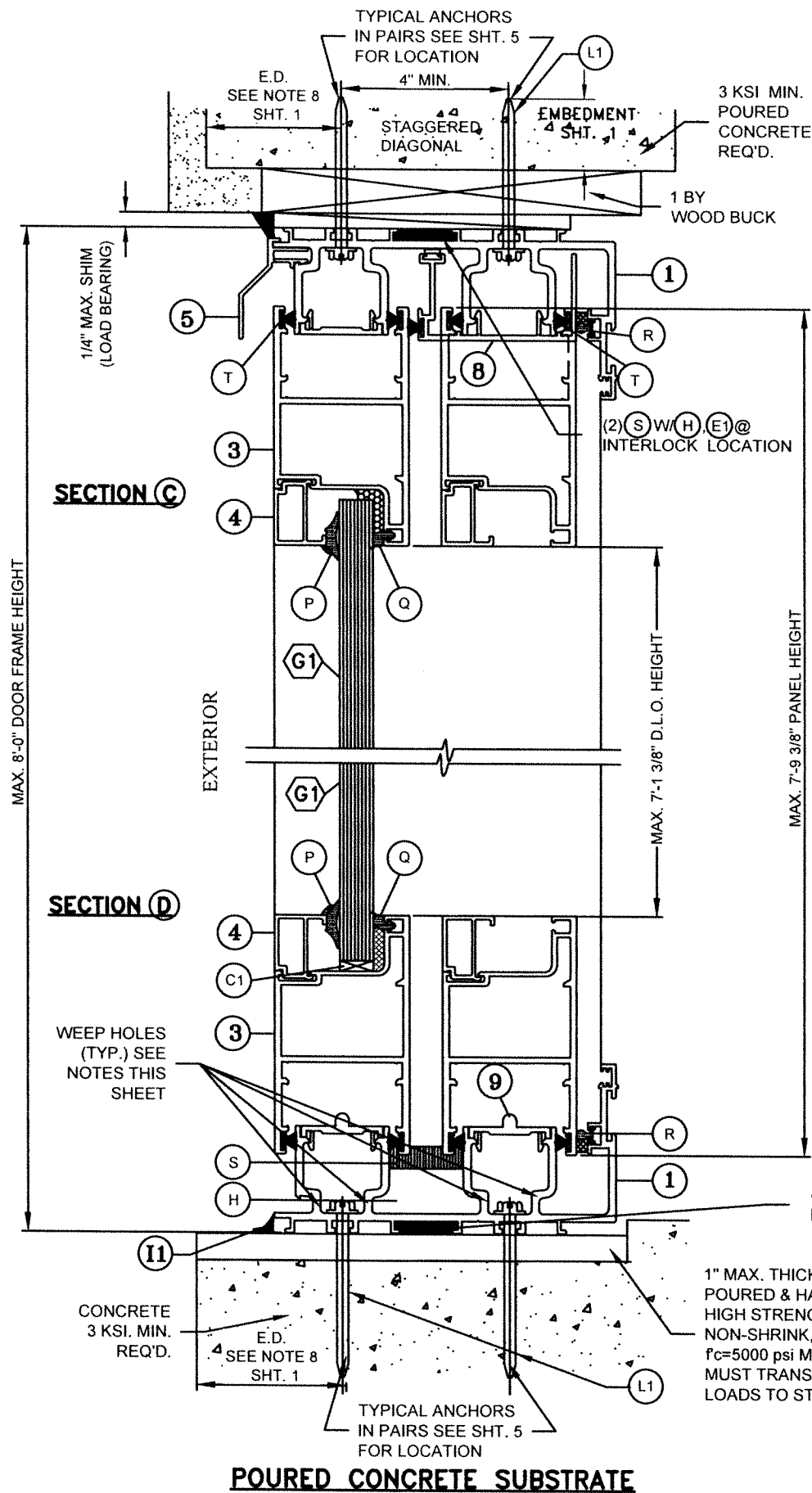
- a- WEEP HOLE SIZE: 2" LONG X 3/16" WIDE
- b- AT INTERIOR TRACK OF SILL (1): PROVIDE (2) WEEP HOLES EACH PANEL @ 32" O.C., 8"/END AT EXTERIOR AND INTERIOR LEG. INTERIOR LEG W/(F1) INCLUDED.
- c- AT EXTERIOR TRACK OF SILL (1): PROVIDE (4) WEEP HOLES EACH PANEL @ 13" O.C., 4 1/2" END AT EXTERIOR & INTERIOR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



**POURED CONCRETE SUBSTRATE**



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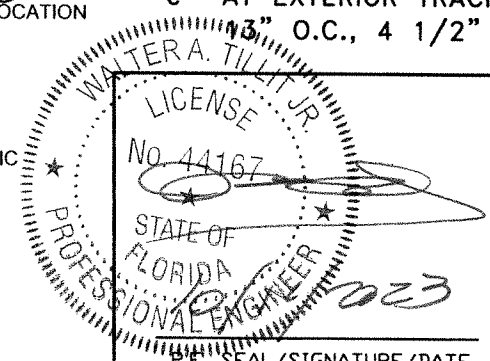
**WOOD SUBSTRATE**

**ALUMINUM OR STEEL SUBSTRATE**

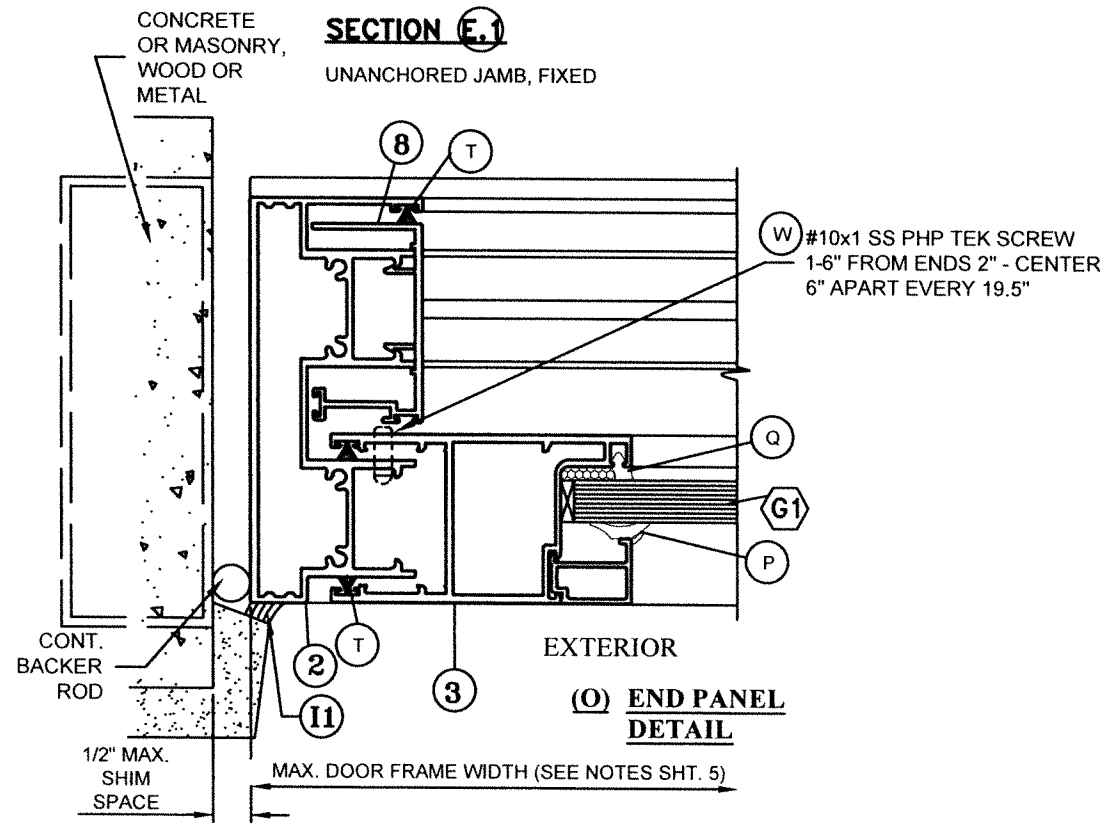
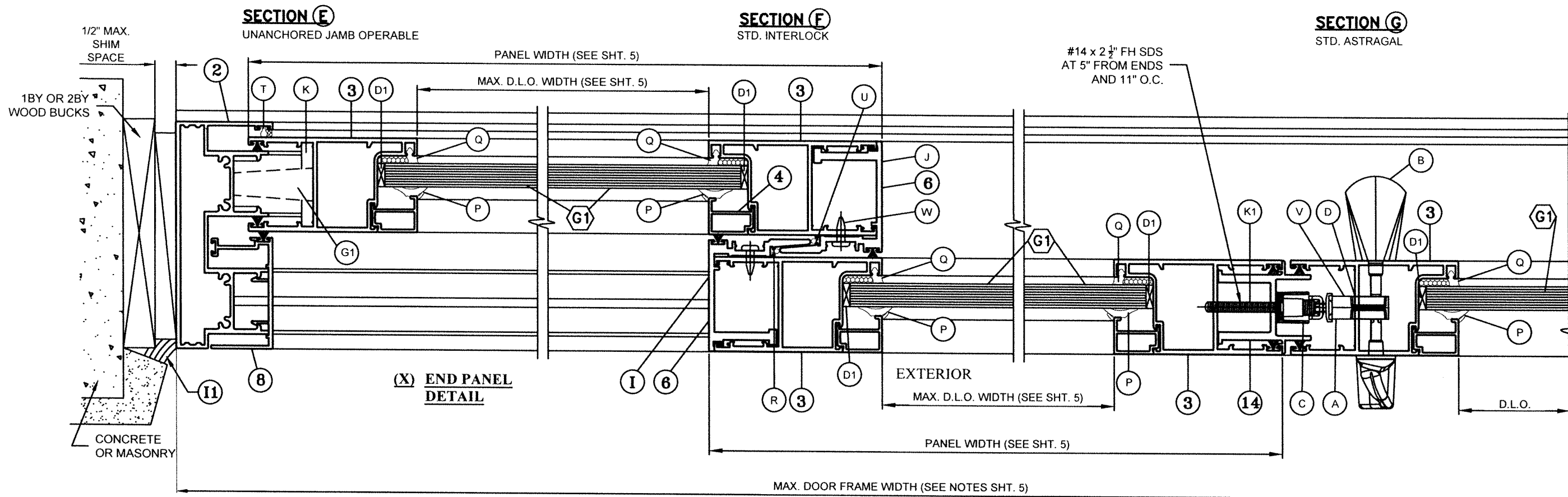
**(2 TRACK) S.G.D VERTICAL SECTIONS**  
N.T.S

**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.



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<table border="1"> <thead> <tr> <th>REV. NO</th> <th>DESCRIPTION</th> <th>DATE</th> <th>REV. No</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>OLD 23-061</td> <td>8/17/23</td> <td>3</td> <td>-</td> <td>-</td> </tr> <tr> <td>2</td> <td>-</td> <td>-</td> <td>4</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	1	OLD 23-061	8/17/23	3	-	-	2	-	-	4	-	-	<p>SHEET <b>8</b> OF 21</p>	
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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

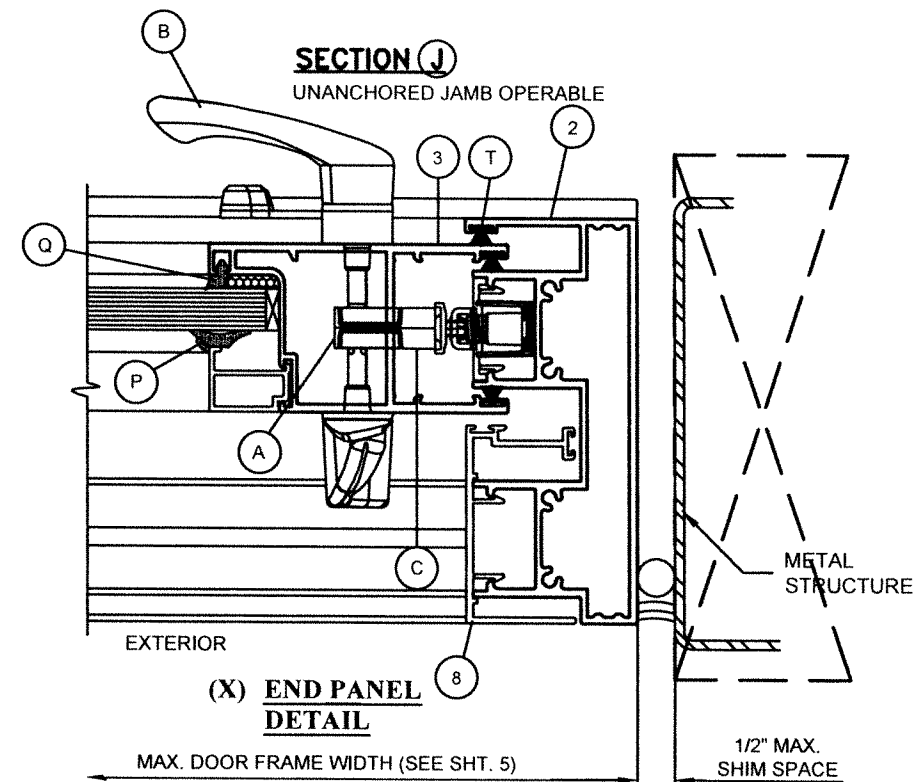
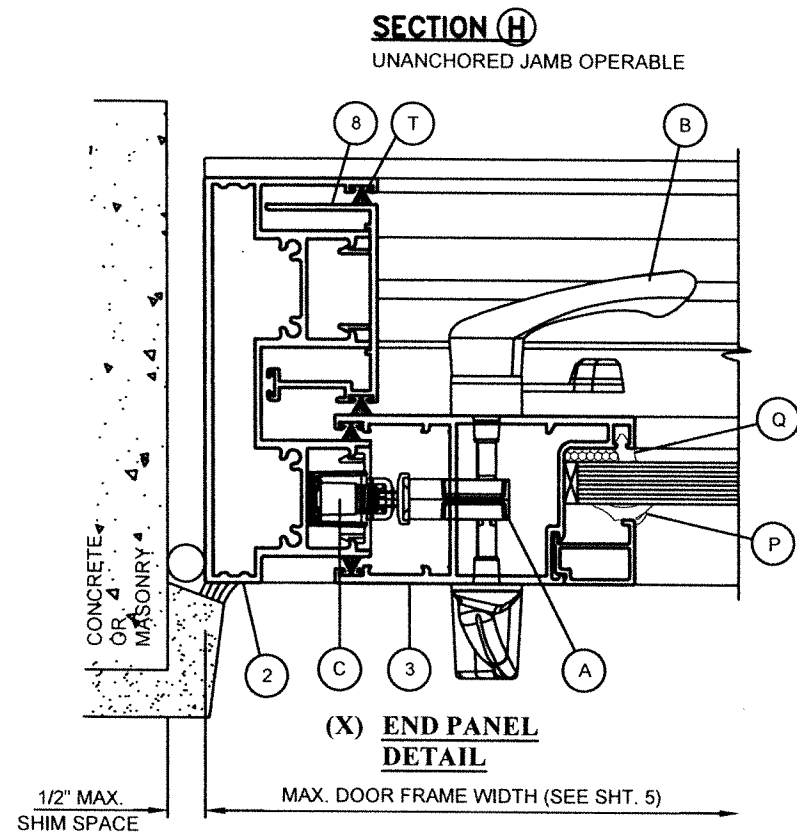
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SHEET 9 OF 21



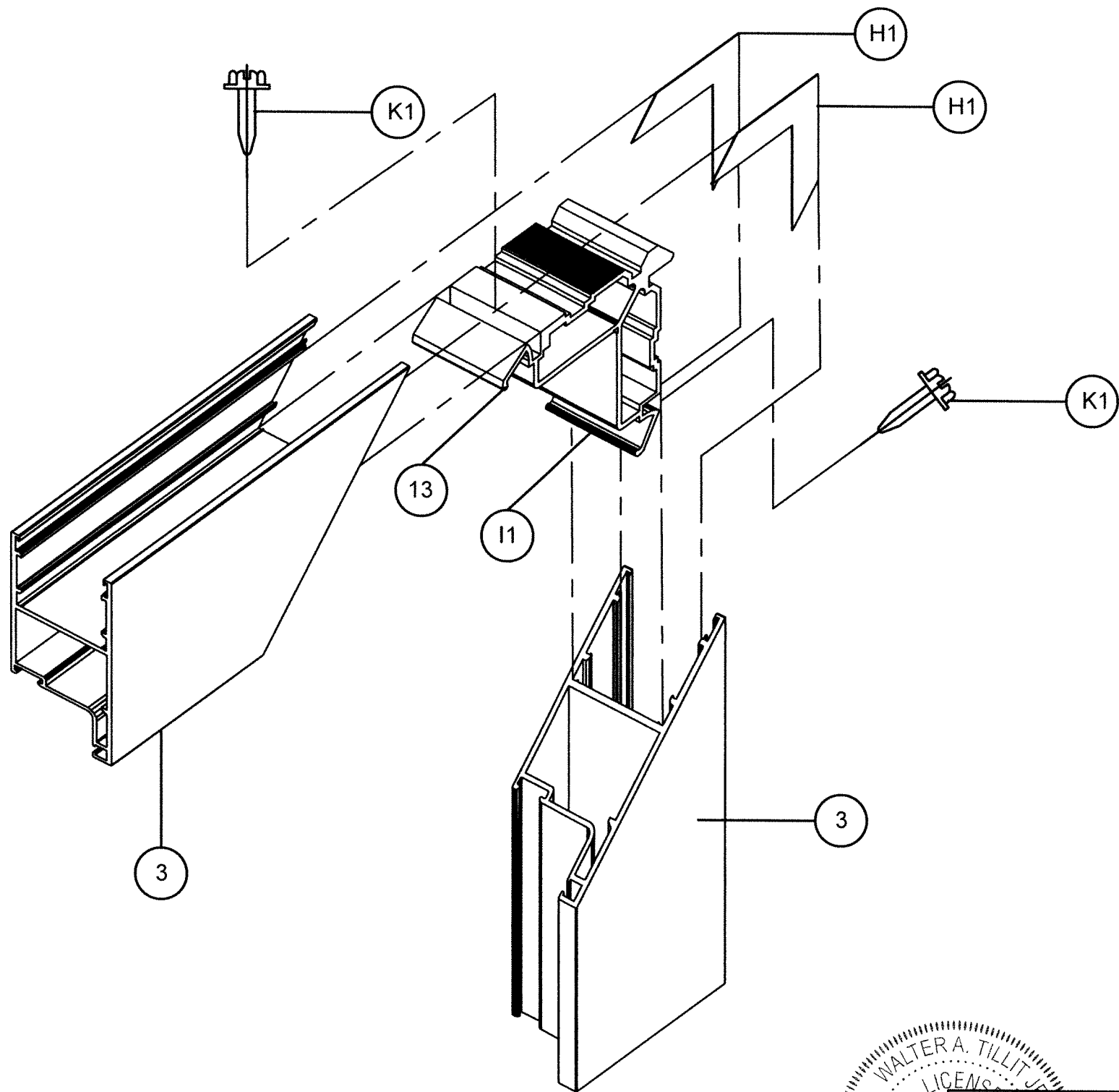


**POURED CONCRETE, MASONRY, WOOD OR METAL SUBSTRATE**  
**(2 TRACK) S.G.D HORIZONTAL SECTIONS**  
N.T.S

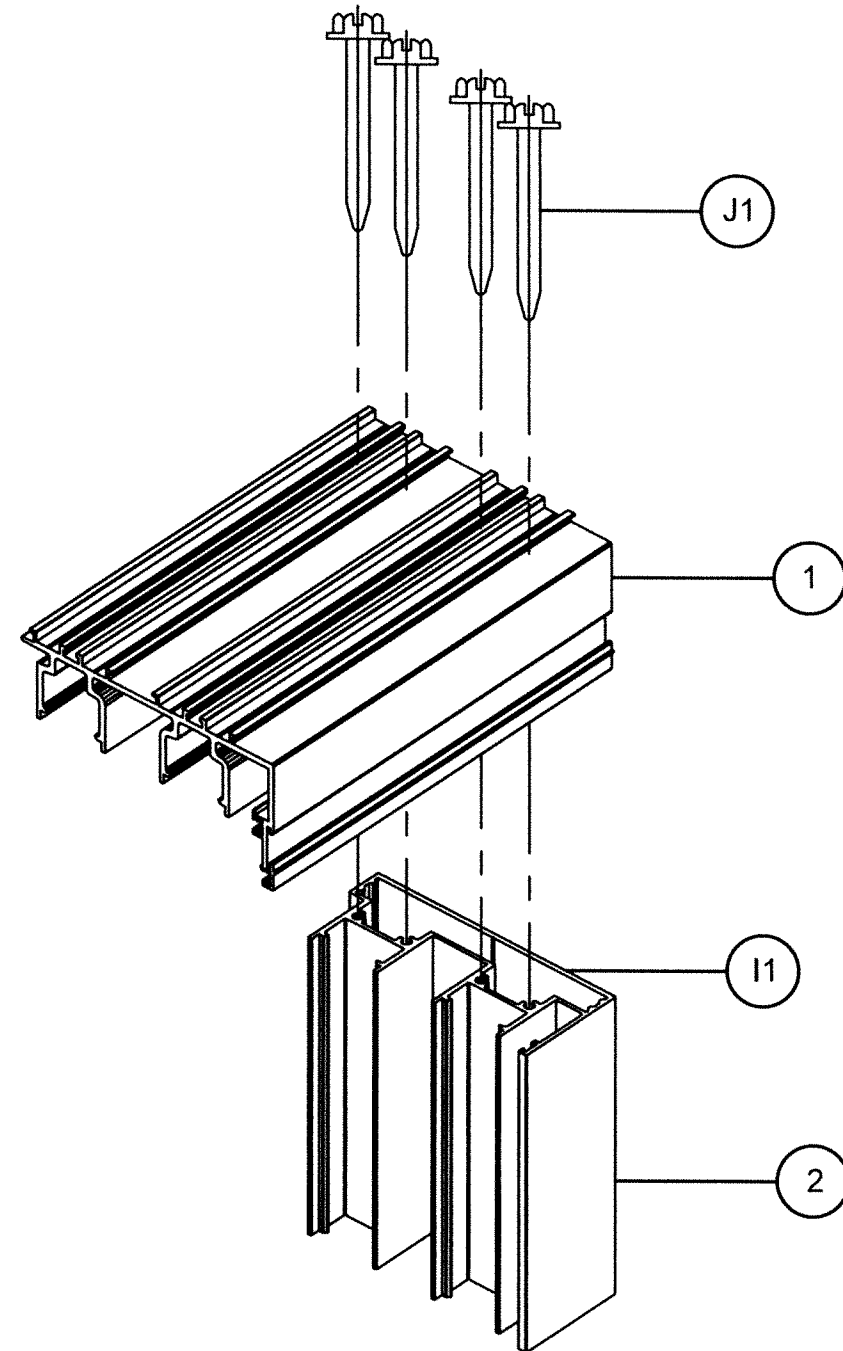
WALTER A. TILLIT JR.  
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11/2023

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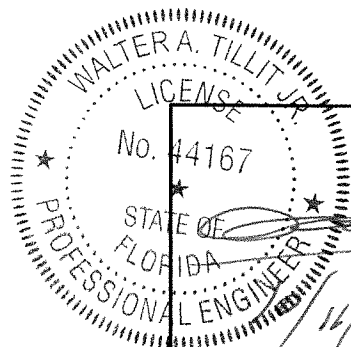
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					23-188 DRAWING No.
					SHEET 10 OF 21



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



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



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(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:  
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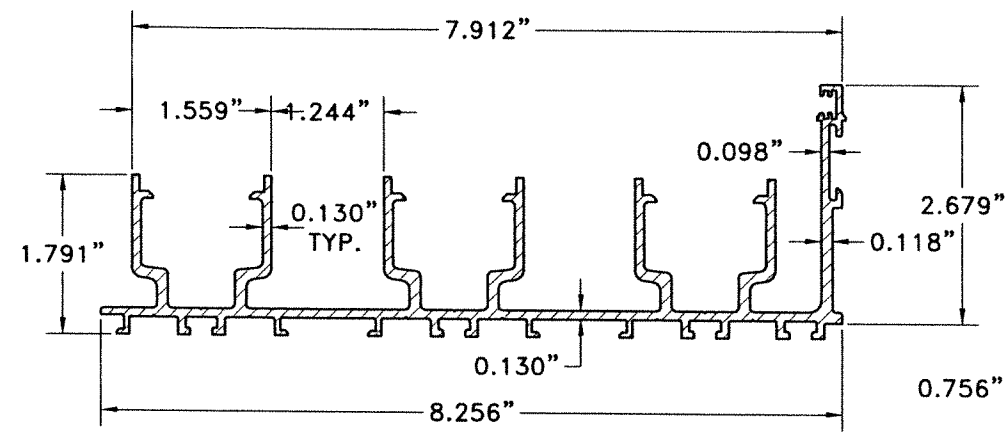
SHEET 11 OF 21



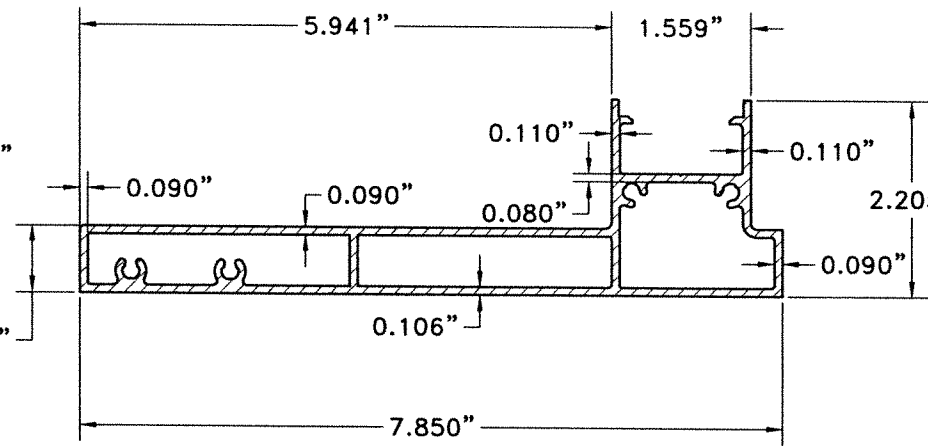
BILL OF MATERIALS FOR THREE TRACK DOOR			
COMPONENT #	DESCRIPTION / PART #	VENDOR / MANUFACTURER	MATERIAL
1	FRAME HEAD/SILL	SEE SHEET 13	6063-T6 ALLOY
2	FRAME JAMB	SEE SHEET 13	6063-T6 ALLOY
3	PANEL RAIL/STILE	SEE SHEET 13	6063-T6 ALLOY
4	GLASS STOP (LAM. GLASS)	SEE SHEET 13	6063-T6 ALLOY
5	DRIP CAP	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 3/8" 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 3/8" 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

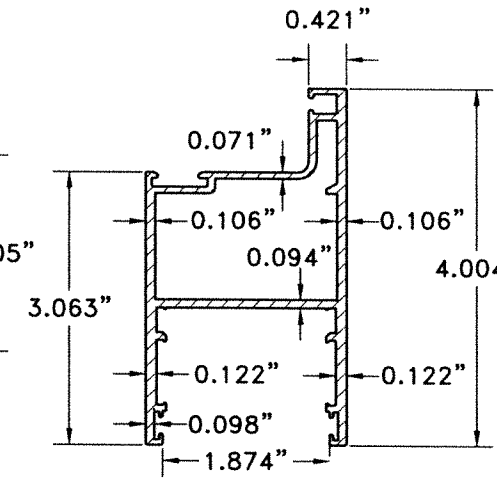
FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE) (2 & 3 TRACK) AB-2300 ALUMINUM SLIDING GLASS DOOR (L.M.I.)		Y.M. DRAWN BY: 08/17/23 DATE:																		
 TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 . Fax : (305)871-1531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



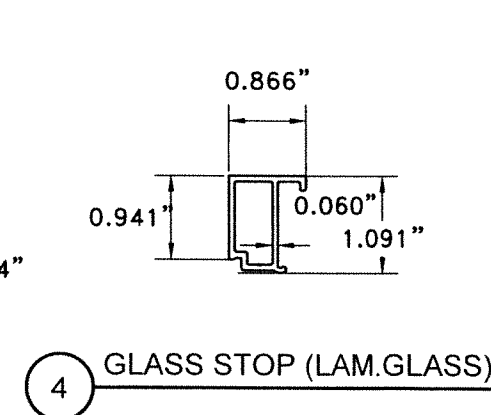
1 FRAME HEAD/SILL



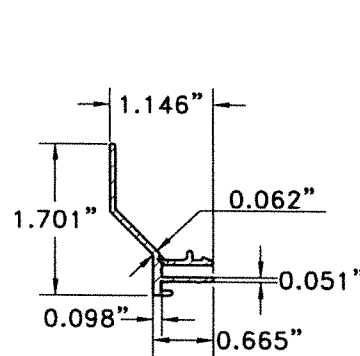
2 FRAME JAMB



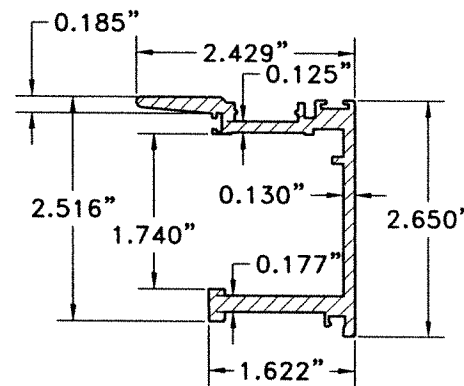
3 PANEL RAIL/STILE



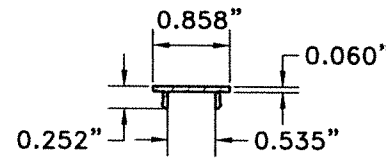
4 GLASS STOP (LAM.GLASS)



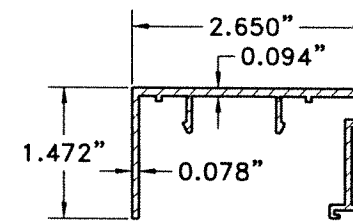
5 DRIP CAP



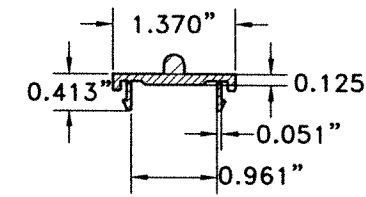
6 INTERLOCK



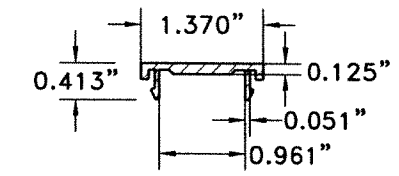
7 INTERLOCK COVER



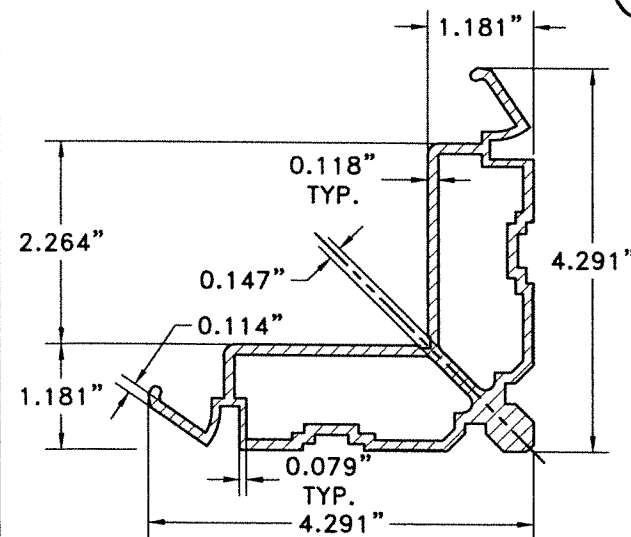
8 THRESHOLD /JAMB CAP



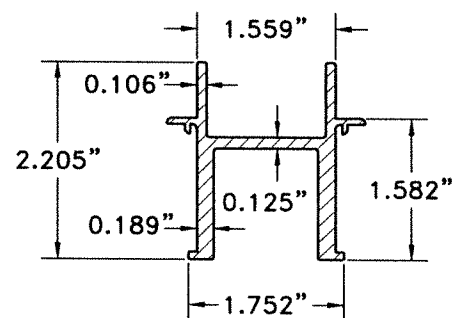
9 TRACK



10 FRAME COVER

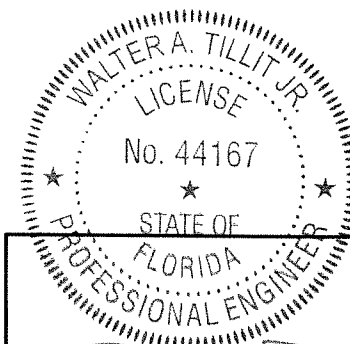


13 CORNER KEY



14 STD. ASTRAGAL

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



10/4/2023  
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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:

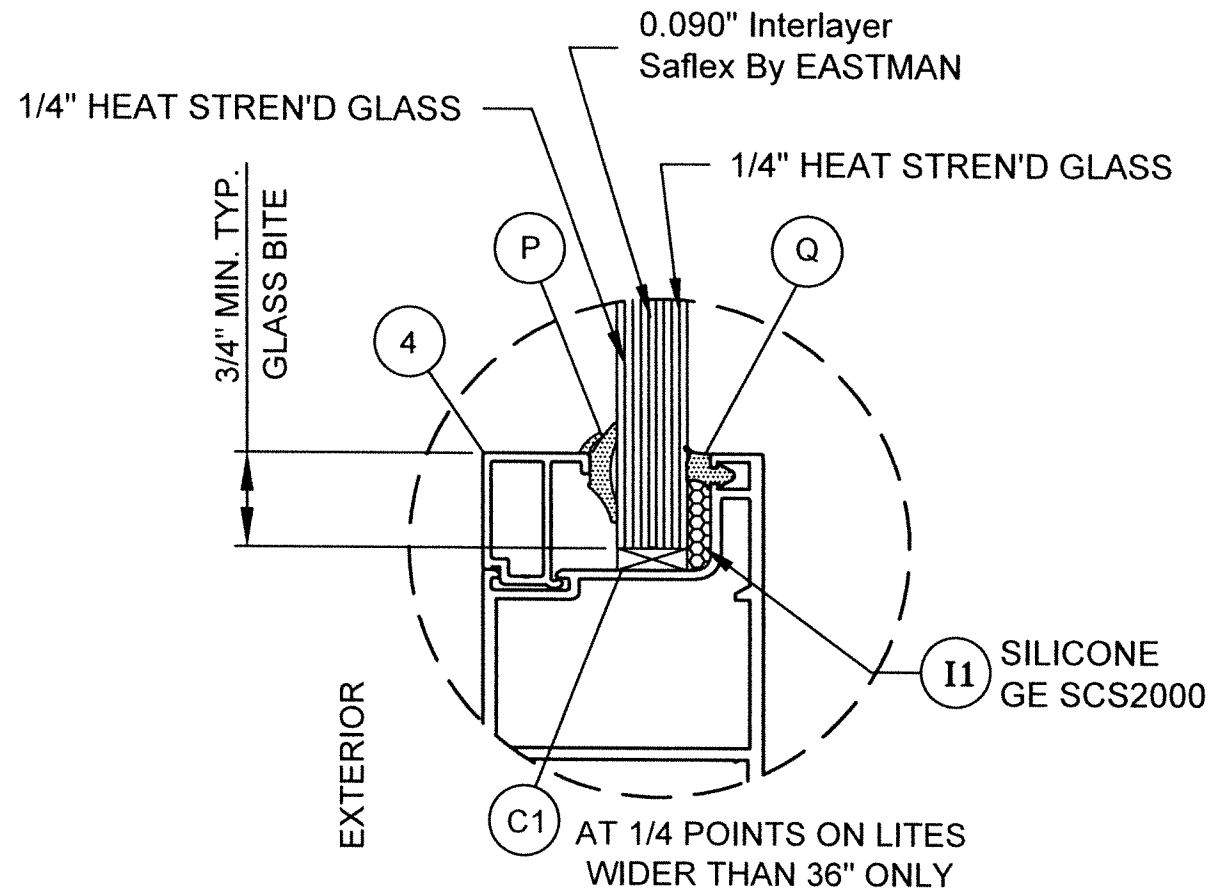
23-188  
DRAWING No.

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

SHEET 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

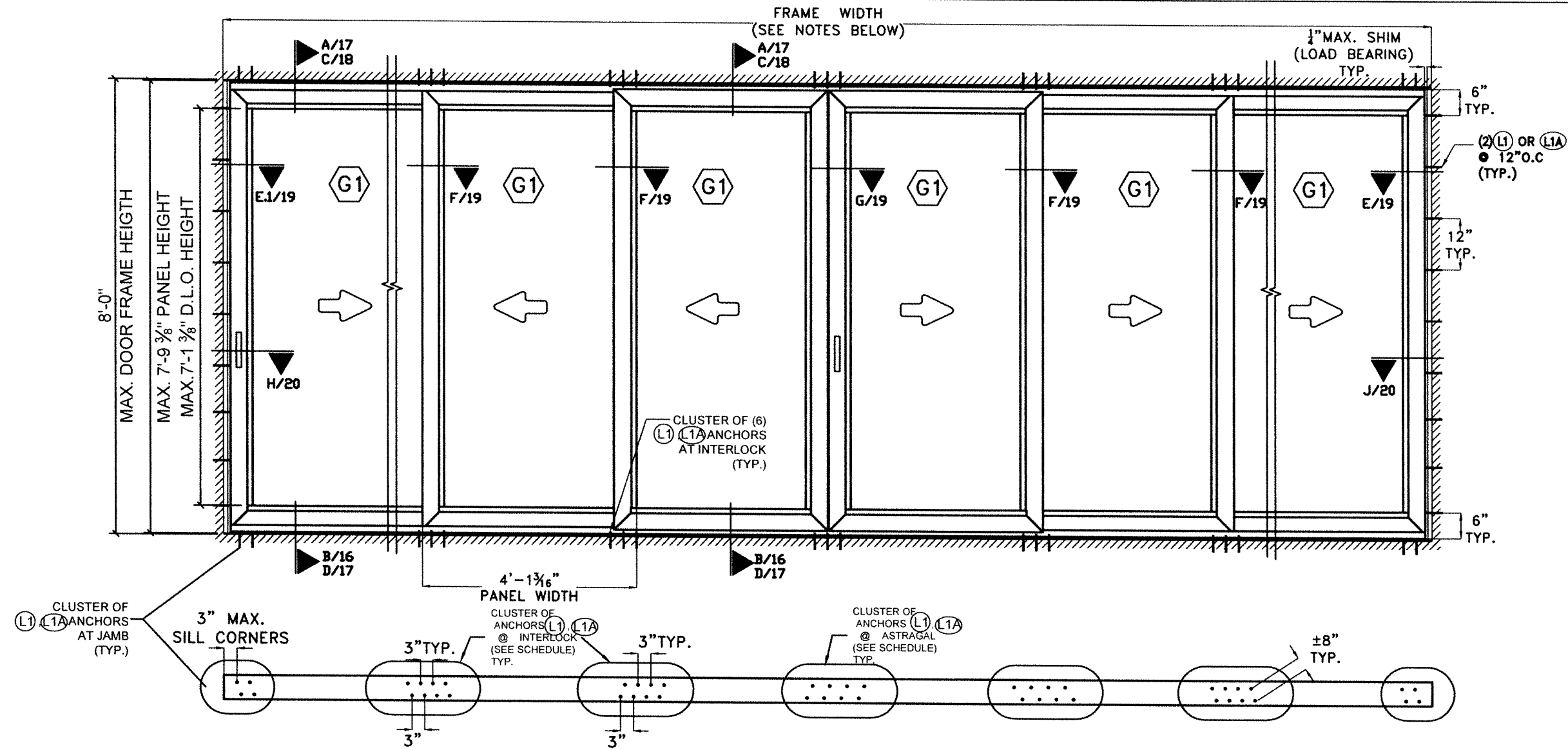
9/16" NOMINAL LAMINATED GLASS

**GLASS CONFIGURATION**

SCALE: N.T.S

WALTER A. TILLIT JR.  
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 PROFESSIONAL ENGINEER  
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			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 25-061	8/17/23	3	-	-
2	-	-	4	-	-



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

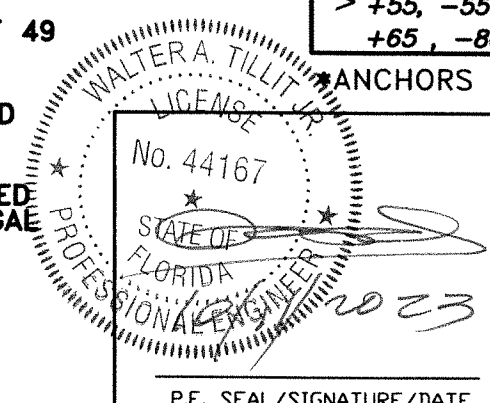
**SCHEDULE FOR NUMBERS ANCHORS (L1), (L1A) REQUIRED AT CLUSTER AT INTERLOCK, ASTRAGAL & ENDS AT HEAD/SILL BASED ON A.S.D. DESIGN LOAD & SUBSTRATE\***

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.



FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

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

AMERICA'S BEST WINDOWS & DOORS  
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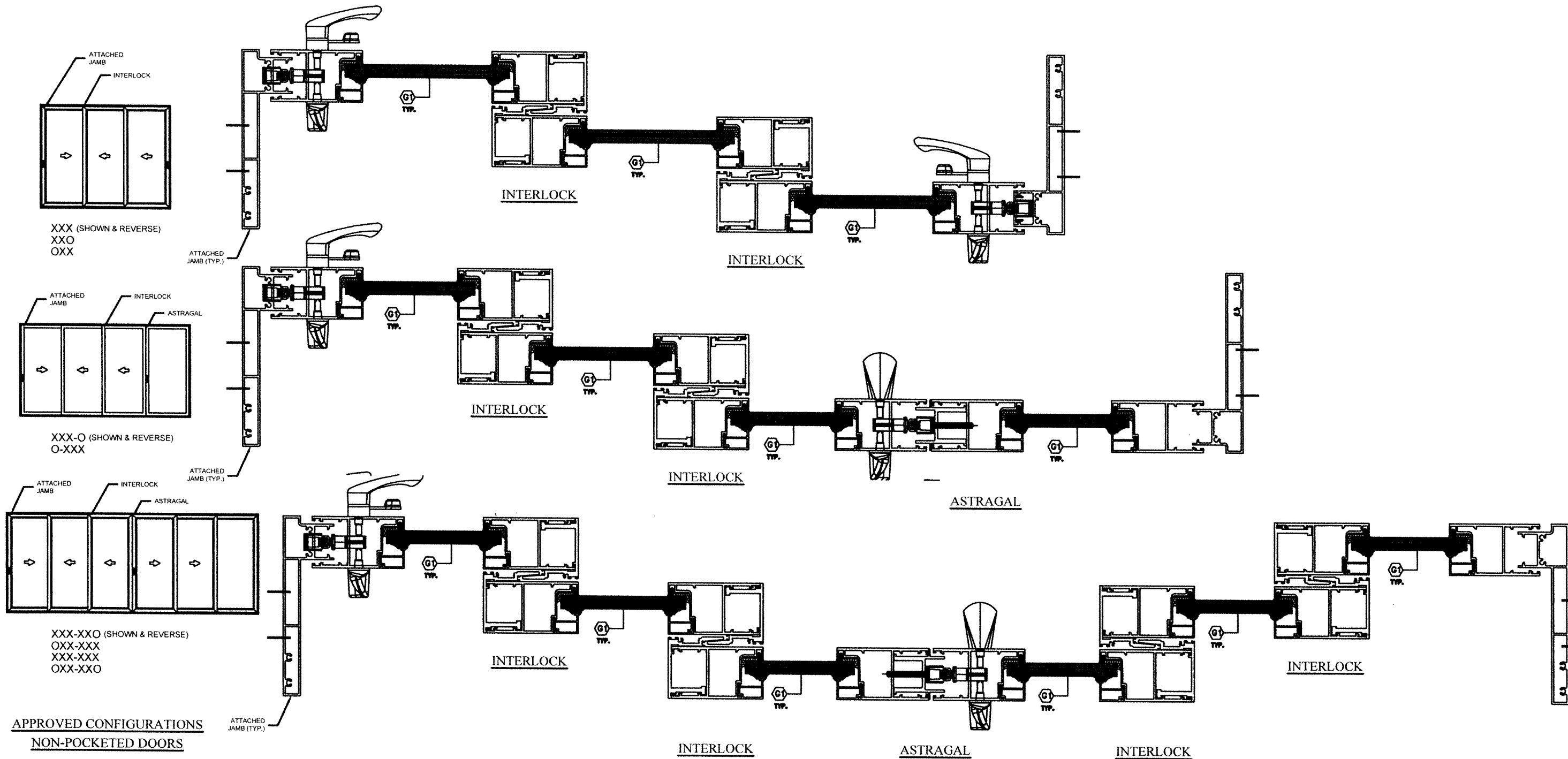
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23-188 DRAWING No.  
SHEET 15 OF 21

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

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**ADDITIONAL QUALIFIED CONFIGURATIONS FOR 3 TRACK FRAMES SLIDING GLASS DOOR**

(SEE SHEETS 17 THRU 21 FOR ASSEMBLY /MOUNTING DETAILS)

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

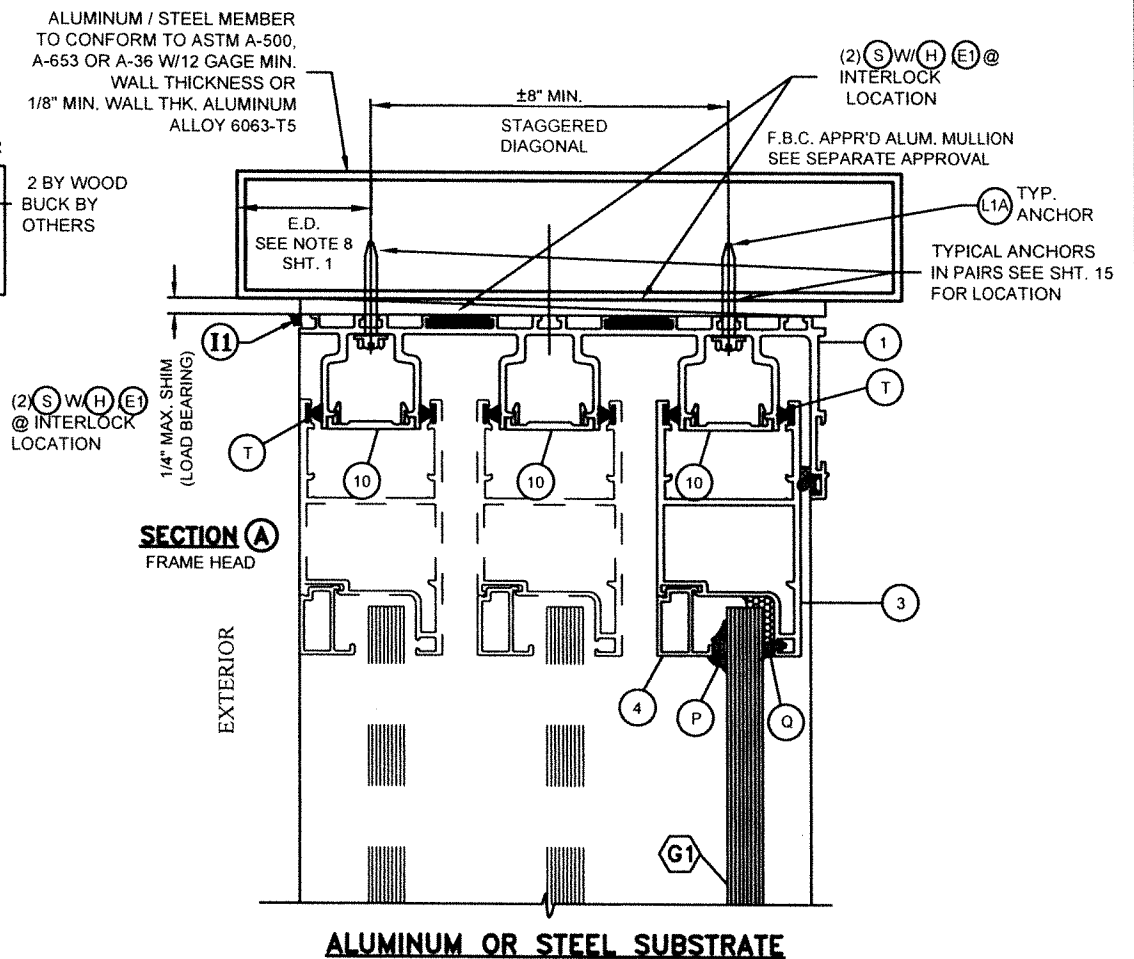
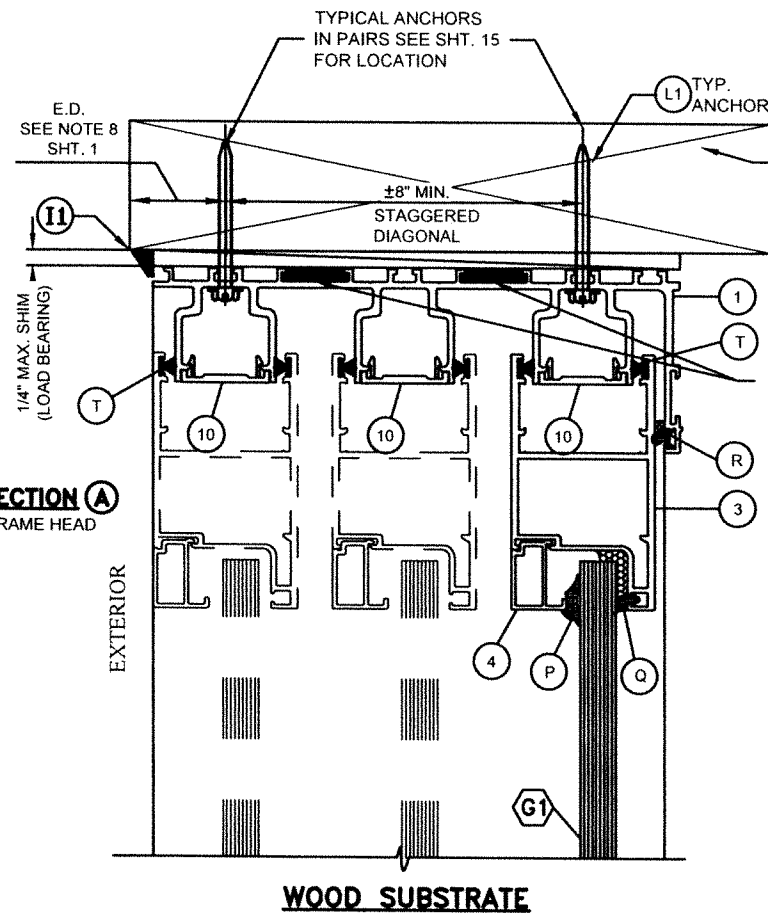
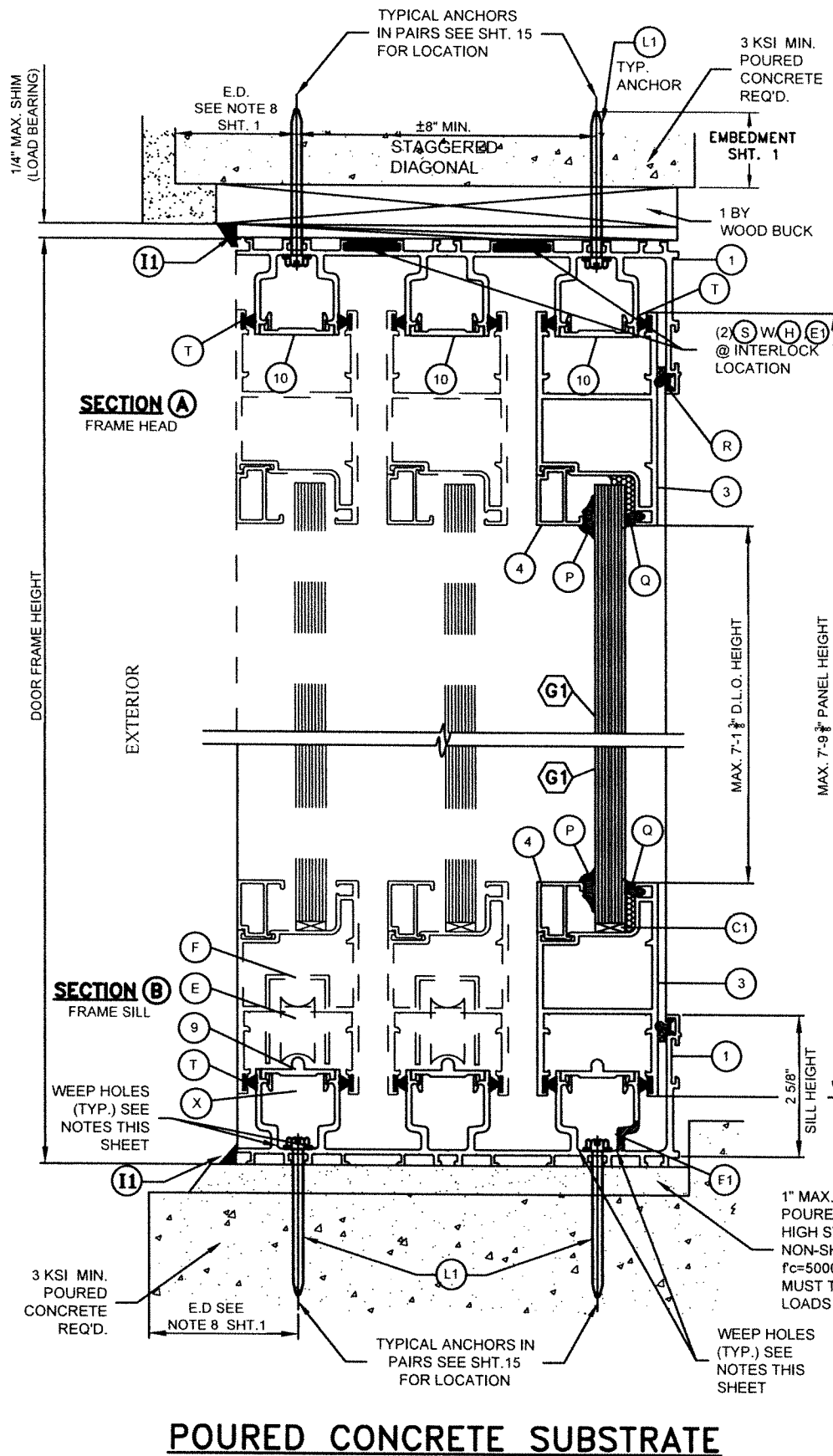
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(2 & 3 TRACK) AB-2300 ALUMINUM  
 SLIDING GLASS DOOR (L.M.I.)  
**AMERICA'S BEST WINDOWS & DOORS**  
 1350 PARK CENTRAL BLVD.  
 POMPANO BEACH, FL 33064  
 (954) 973-1362

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**23-188**  
 DRAWING No.  
 SHEET 16 OF 21

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



**(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.

WALTER A. TILLIT JR.  
LICENSE  
No. 44167  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
11/2023  
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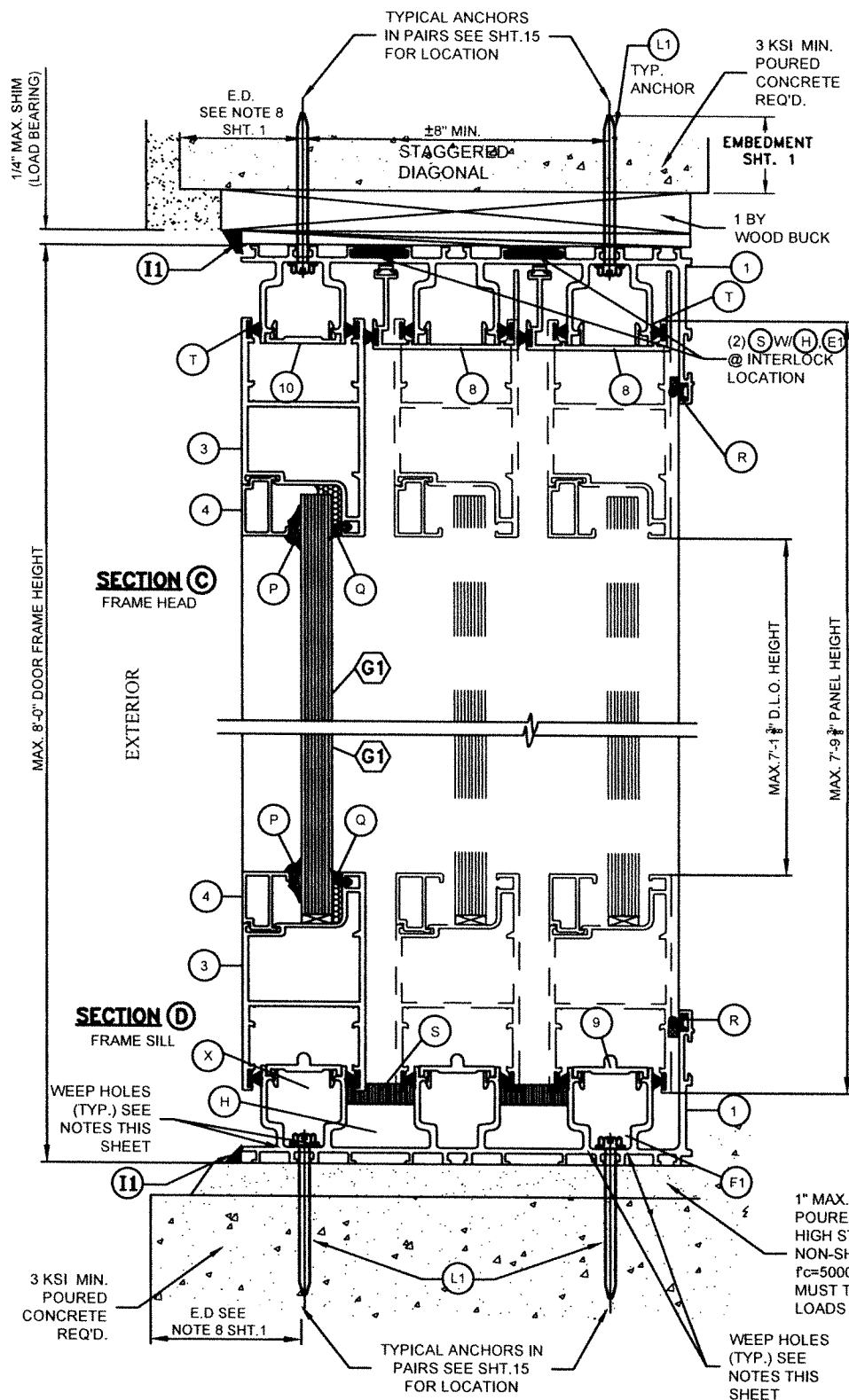
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WALTER A. TILLIT Jr. P.E.  
FLORIDA Lic. # 44167

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

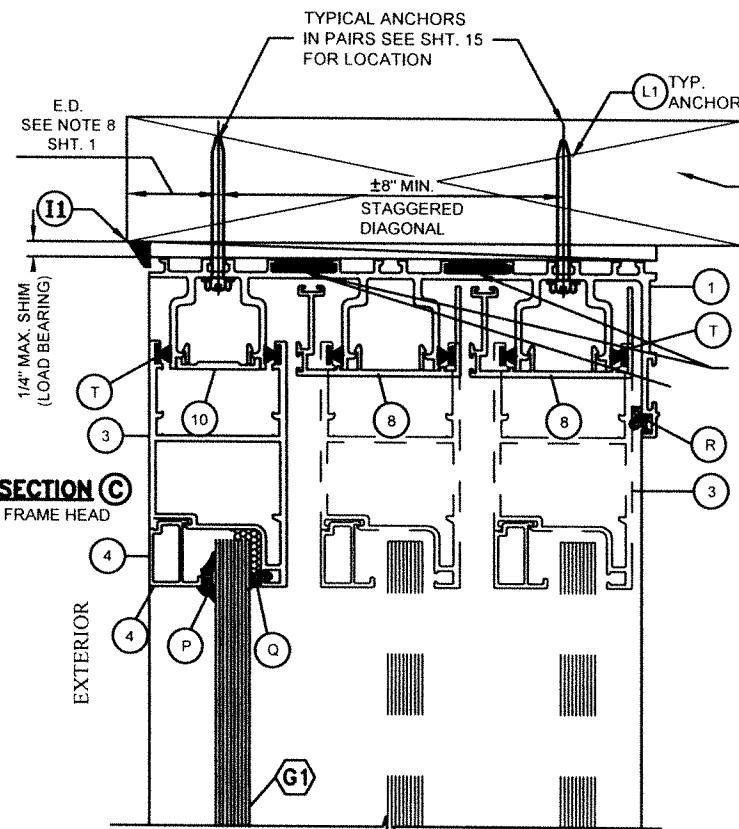
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DRAWN BY:  
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**23-188**  
DRAWING No.

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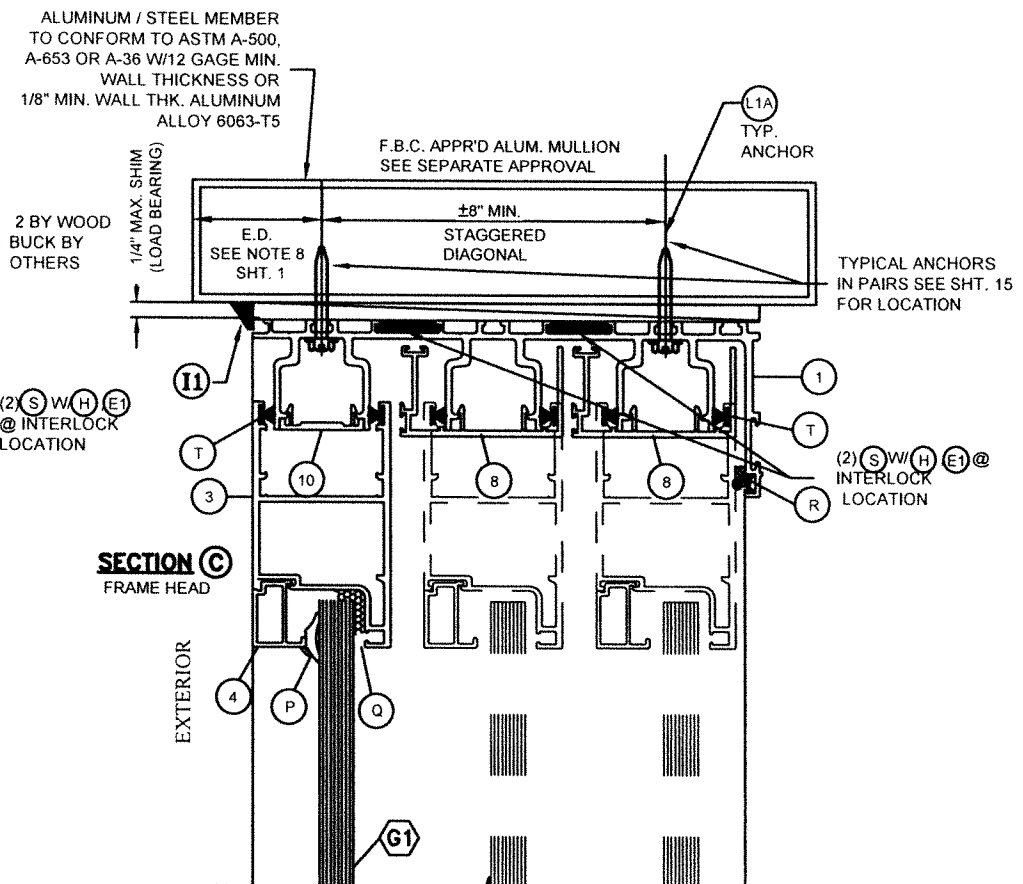




**POURED CONCRETE SUBSTRATE**



**WOOD SUBSTRATE**

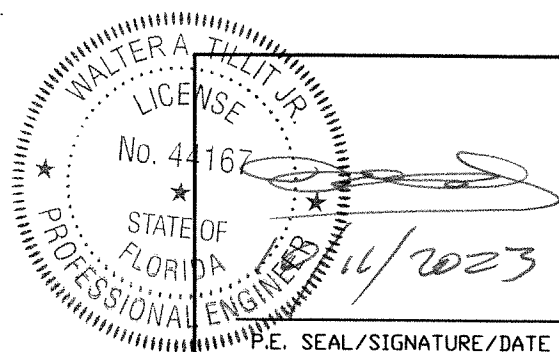


**ALUMINUM OR STEEL SUBSTRATE**

**(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.



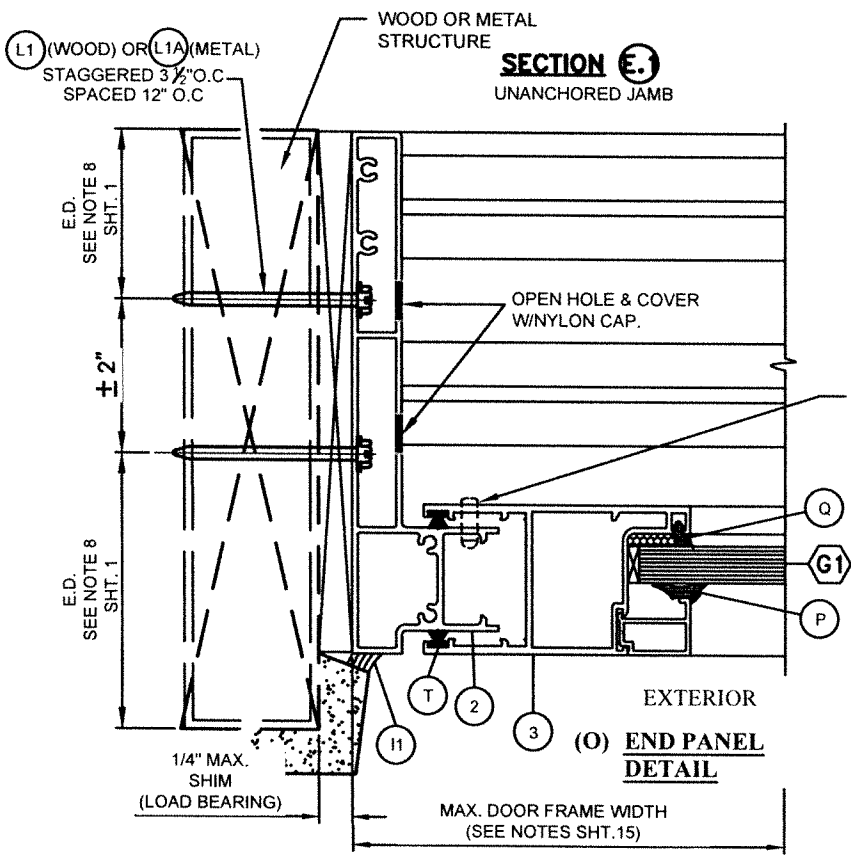
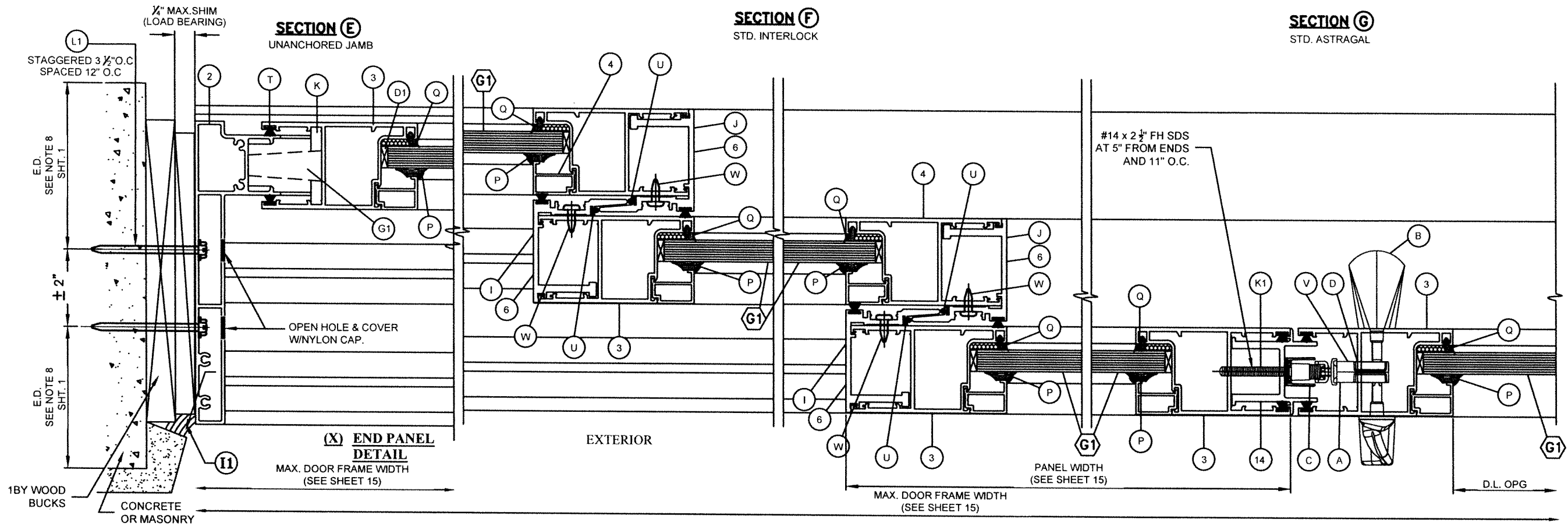
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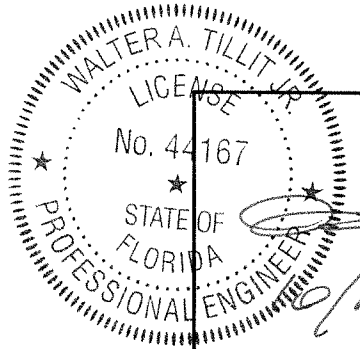
**(2 & 3 TRACK) AB-2300 ALUMINUM  
SLIDING GLASS DOOR (L.M.I.)**  
**AMERICA'S BEST WINDOWS & DOORS**  
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 POMPANO BEACH, FL 33064  
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Y.M.  
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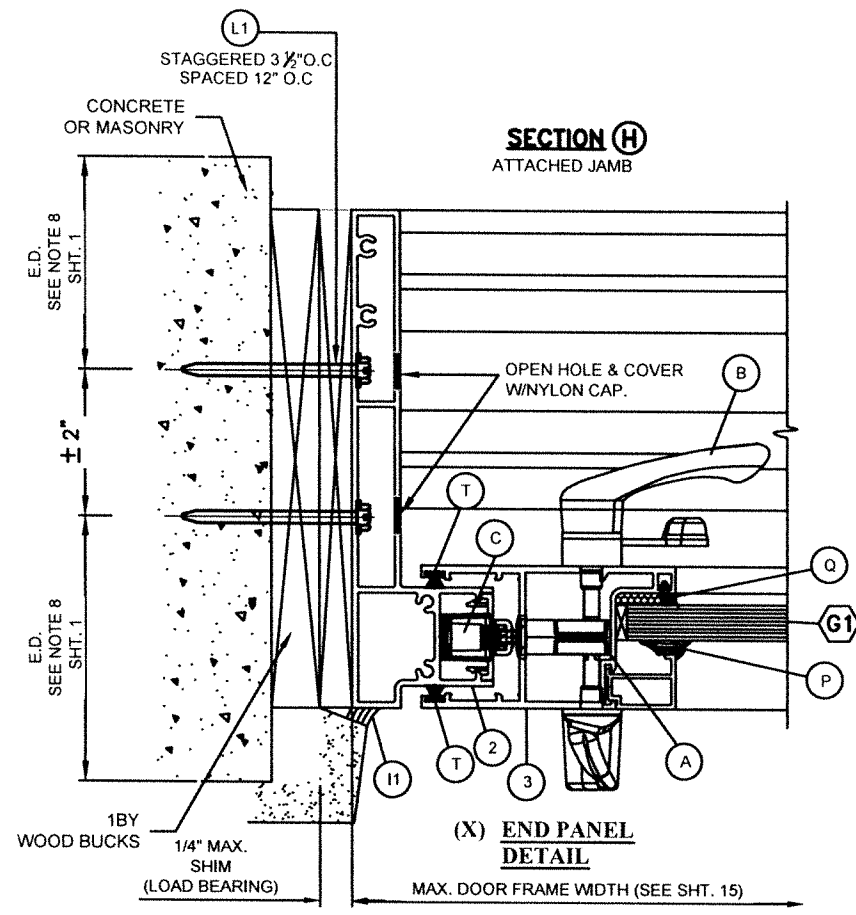
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**(3 TRACK) S.G.D HORIZONTAL SECTIONS**  
**N.T.S**



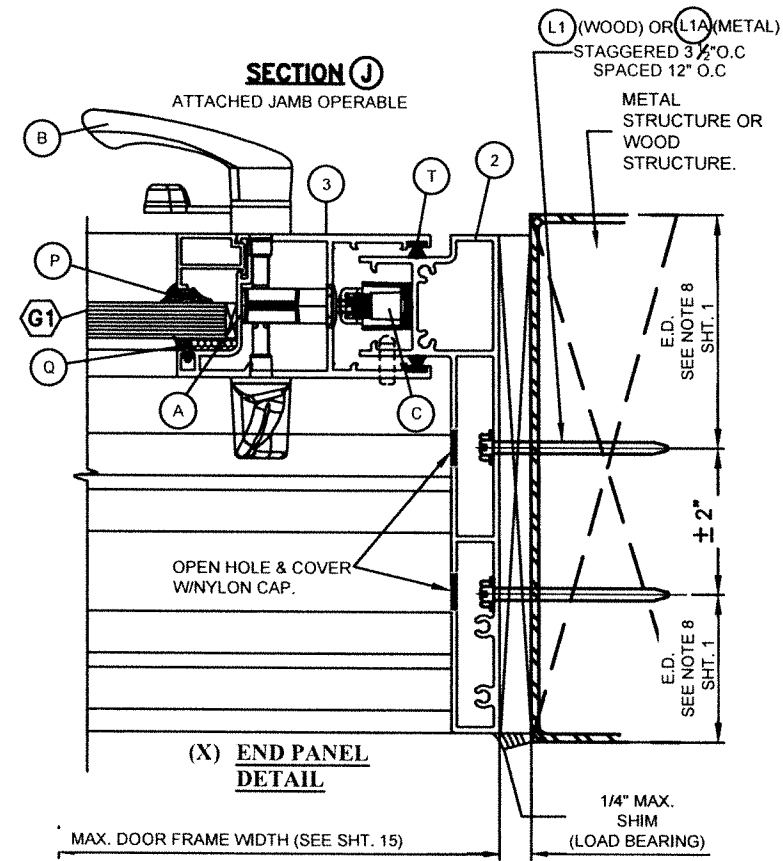
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<b>TILTECO INC.</b>				<b>AMERICA'S BEST WINDOWS &amp; DOORS</b>	
TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 . Fax : (305)871-1531 CA-0006719				1350 PARK CENTRAL BLVD. POMPANO BEACH, FL 33064 (954) 973-1362	
Y.M. DRAWN BY:		DATE:		DRAWING No.	
		08/17/23		23-188	
				SHEET 19 OF 21	
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 23-061	8/17/23	3	-	-
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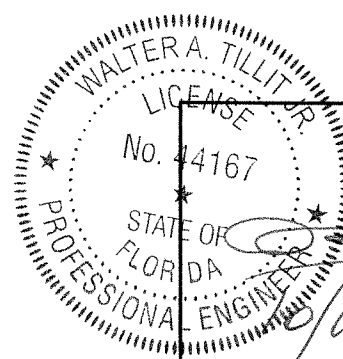
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**WOOD OR METAL SUBSTRATE**

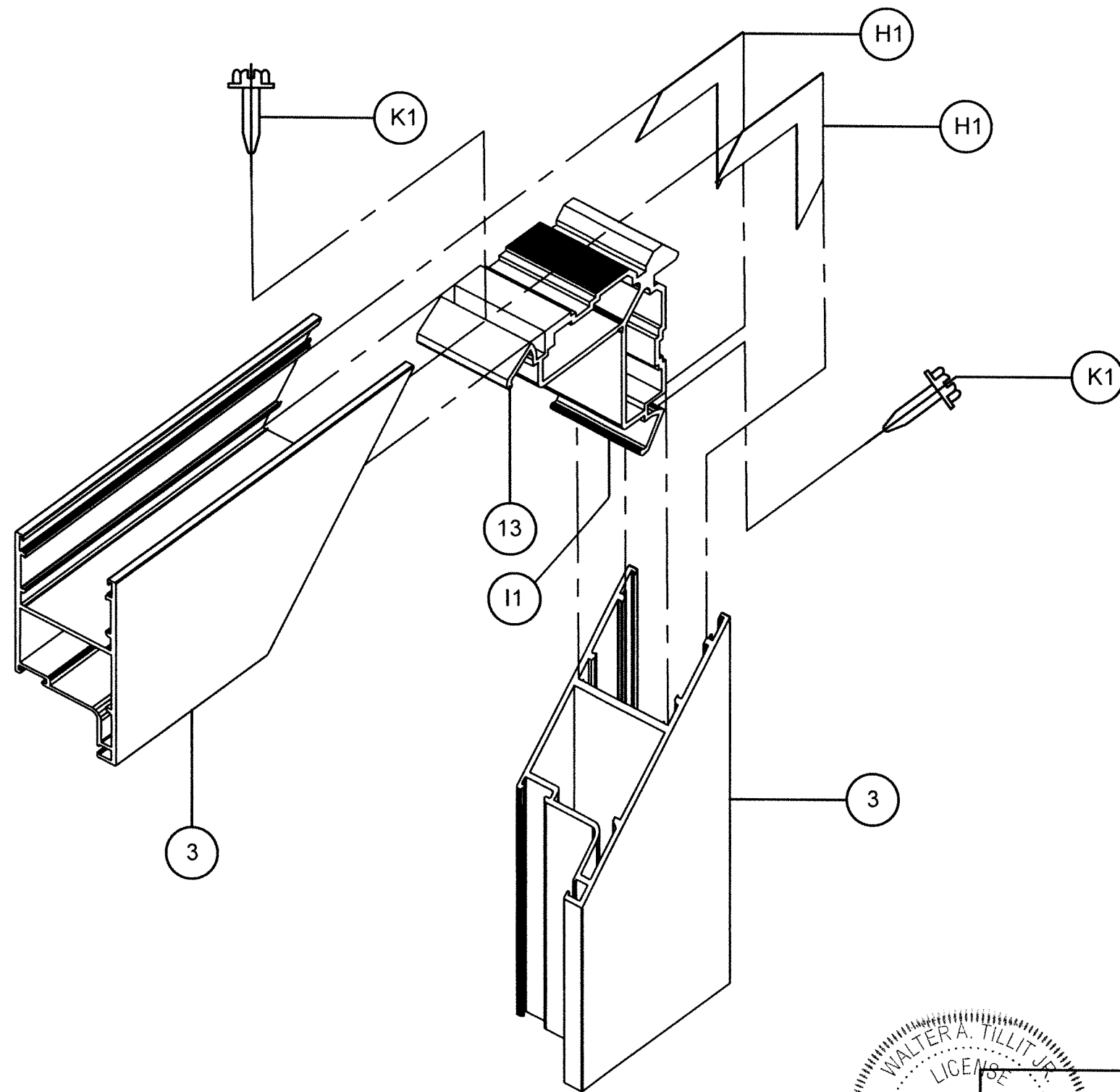
**POURED CONCRETE, MASONRY, WOOD OR METAL SUBSTRATE  
(3 TRACK) S.G.D HORIZONTAL SECTIONS**

N.T.S

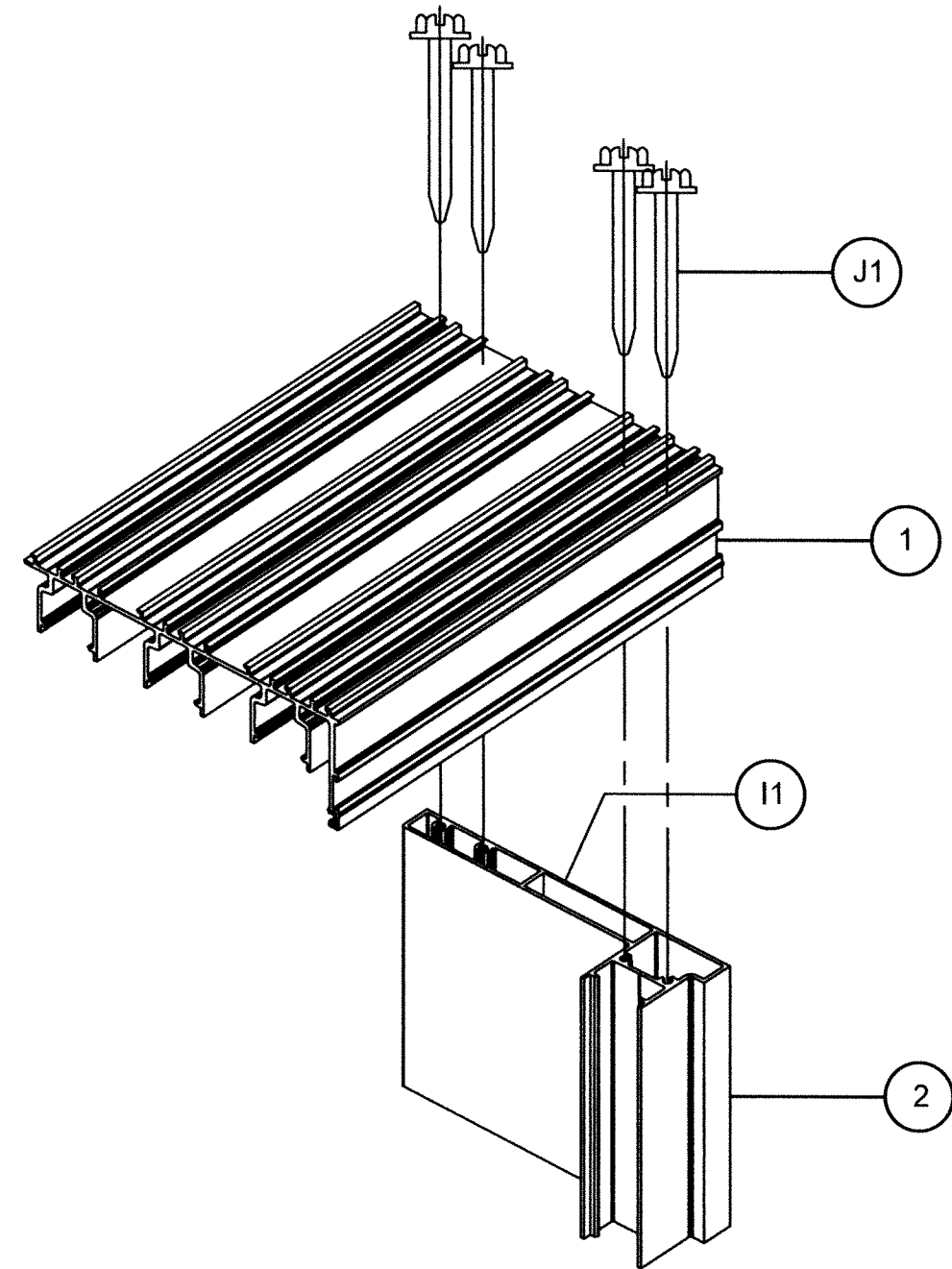


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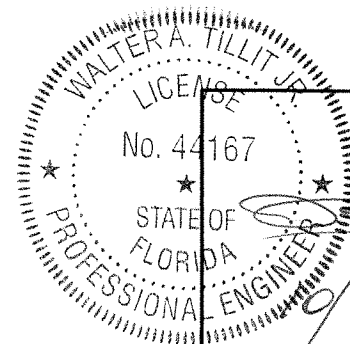
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WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167			AMERICA'S BEST WINDOWS & DOORS 1350 PARK CENTRAL BLVD. POMPANO BEACH, FL 33064 (954) 973-1362		
8/17/2023			DATE:		
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1	OLD 23-061	8/17/23	3	-	-
2	-	-	4	-	-



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



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



*[Signature]*  
9/14/2023  
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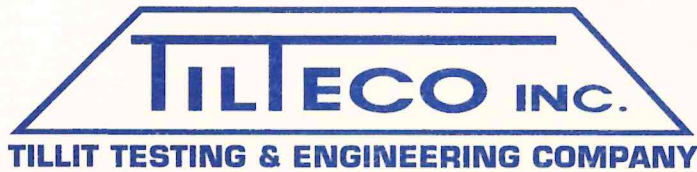
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2	-	-	4	-	-

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 #:** 23-0623.01

**Date:** June 23, 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)

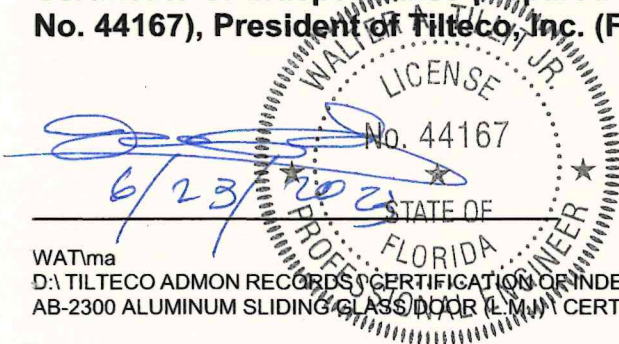
**Manufacturer Name:** AMERICA'S BEST WINDOWS & DOORS  
1350 HAMMONDVILLE RD.  
POMPANO BEACH, FL 33069

**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).**



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