

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.

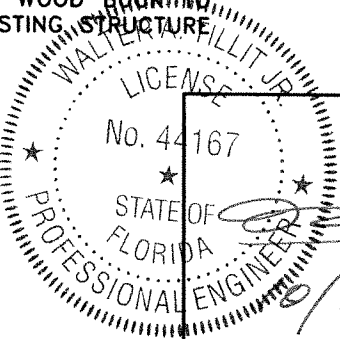
11. (a) THIS P.E.D. PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.

(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



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:

23-188 DRAWING No.

SHEET 1 OF 21

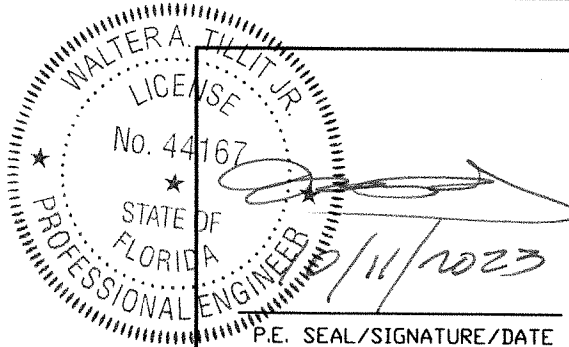
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TILTECO inc.

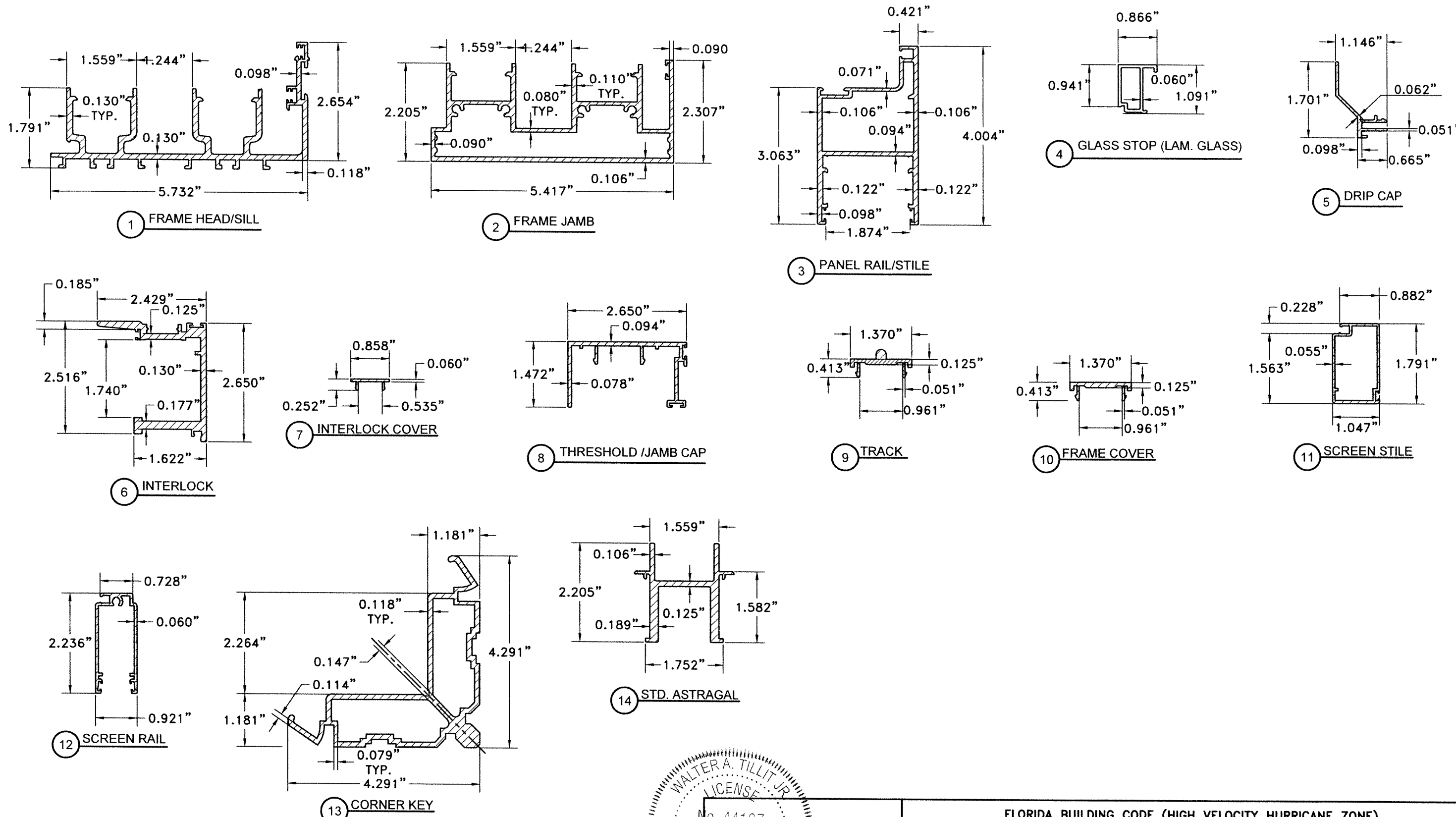
TILLIT TESTING & ENGINEERING COMPANY  
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166  
Phone : (305)871-1530 . Fax : (305)871-1531  
CA-0006719  
WALTER A. TILLIT Jr. P.E.  
FLORIDA Lic. # 44167

| REV. NO | DESCRIPTION | DATE    | REV. No | DESCRIPTION | DATE |
|---------|-------------|---------|---------|-------------|------|
| 1       | OLD 23-081  | 8/17/23 | 3       | -           | -    |
| 2       | -           | -       | 4       | -           | -    |

| 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:               |
|                                                                                                                                                                                                                    |             |         | <b>AMERICA'S BEST WINDOWS &amp; DOORS</b>                            |             | 08/17/23 DATE:               |
| TILLIT TESTING & ENGINEERING COMPANY<br>6355 N.W. 36th, St., Ste. 305, VIRGINIA GARDENS, FL 33166<br>Phone : (305)871-1530 Fax : (305)871-1531<br>CA-0006719<br>WALTER A. TILLIT Jr., P.E.<br>FLORIDA Lic. # 44167 |             |         | 1350 PARK CENTRAL BLVD.<br>POMPANO BEACH, FL 33064<br>(954) 973-1362 |             | <b>23-188</b><br>DRAWING No. |
| REV. NO                                                                                                                                                                                                            | DESCRIPTION | DATE    | REV. No                                                              | DESCRIPTION | DATE                         |
| 1                                                                                                                                                                                                                  | OLD 23-061  | 8/17/23 | 3                                                                    | -           | -                            |
| 2                                                                                                                                                                                                                  | -           | -       | 4                                                                    | -           | -                            |
|                                                                                                                                                                                                                    |             |         |                                                                      |             | SHEET 2 OF 21                |

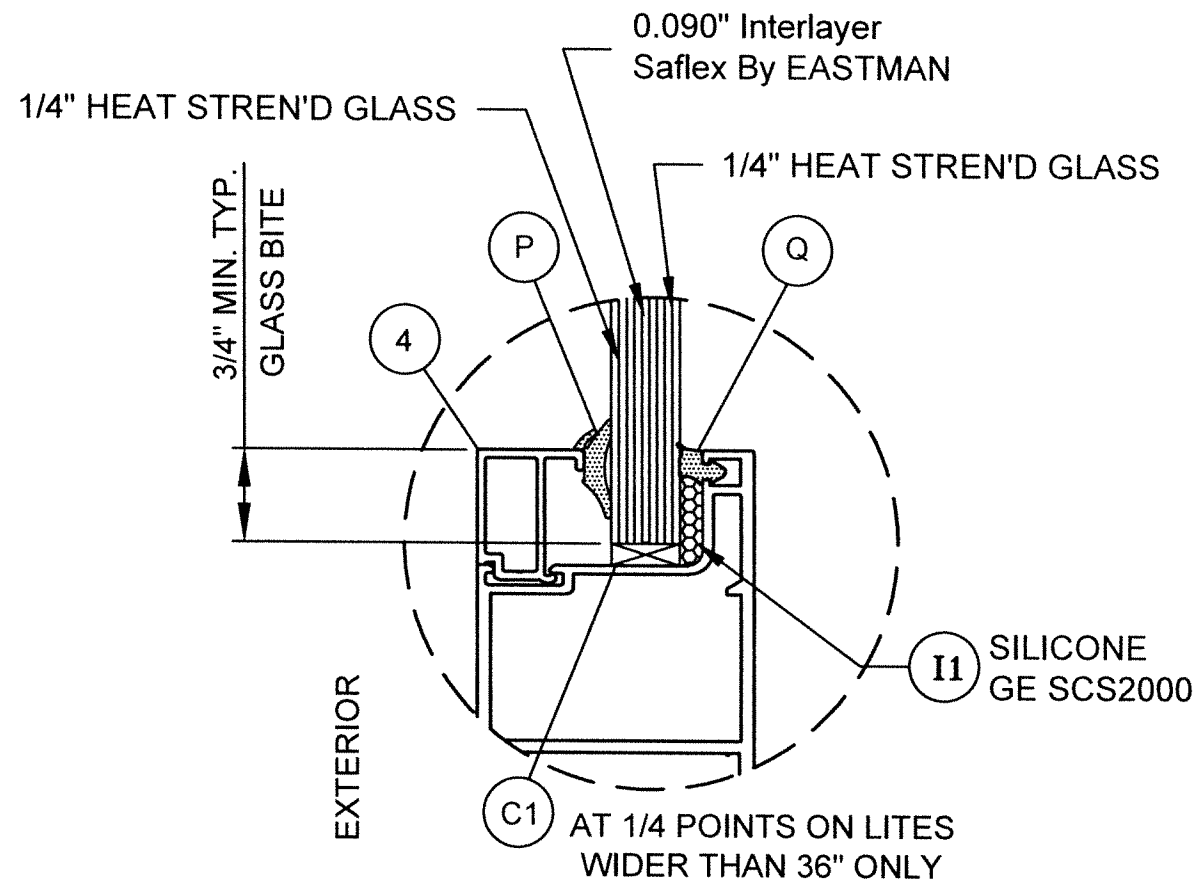


# COMPONENTS FOR TWO TRACK DOOR SCALE: N.T.S

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

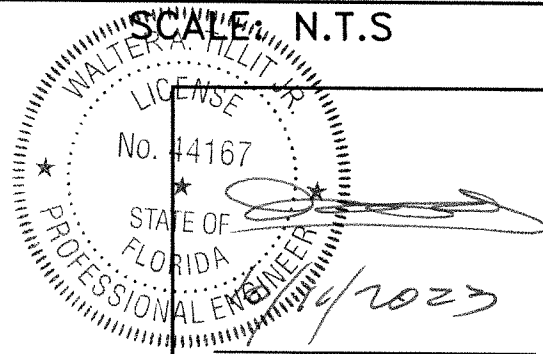
| FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)                                                                                                                                                                |             |         |         |             |                                                                      |                       |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|---------|-------------|----------------------------------------------------------------------|-----------------------|--|--|--|
| ©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<br>6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166<br>Phone : (305)871-1530 . Fax : (305)871-1531<br>CA-0006719<br>WALTER A. TILLIT Jr. P.E.<br>FLORIDA Lic. # 44167 |             |         |         |             | 1350 PARK CENTRAL BLVD.<br>POMPANO BEACH, FL 33064<br>(954) 973-1362 |                       |  |  |  |
| REV. NO                                                                                                                                                                                                             | DESCRIPTION | DATE    | REV. No | DESCRIPTION | DATE                                                                 | Y.M.<br>DRAWN BY:     |  |  |  |
| 1                                                                                                                                                                                                                   | OLD 23-061  | 8/17/23 | 3       | -           | -                                                                    | 08/17/23<br>DATE:     |  |  |  |
| 2                                                                                                                                                                                                                   | -           | -       | 4       | -           | -                                                                    | 23-188<br>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<br>+ 1/4" HS | GLASS    |



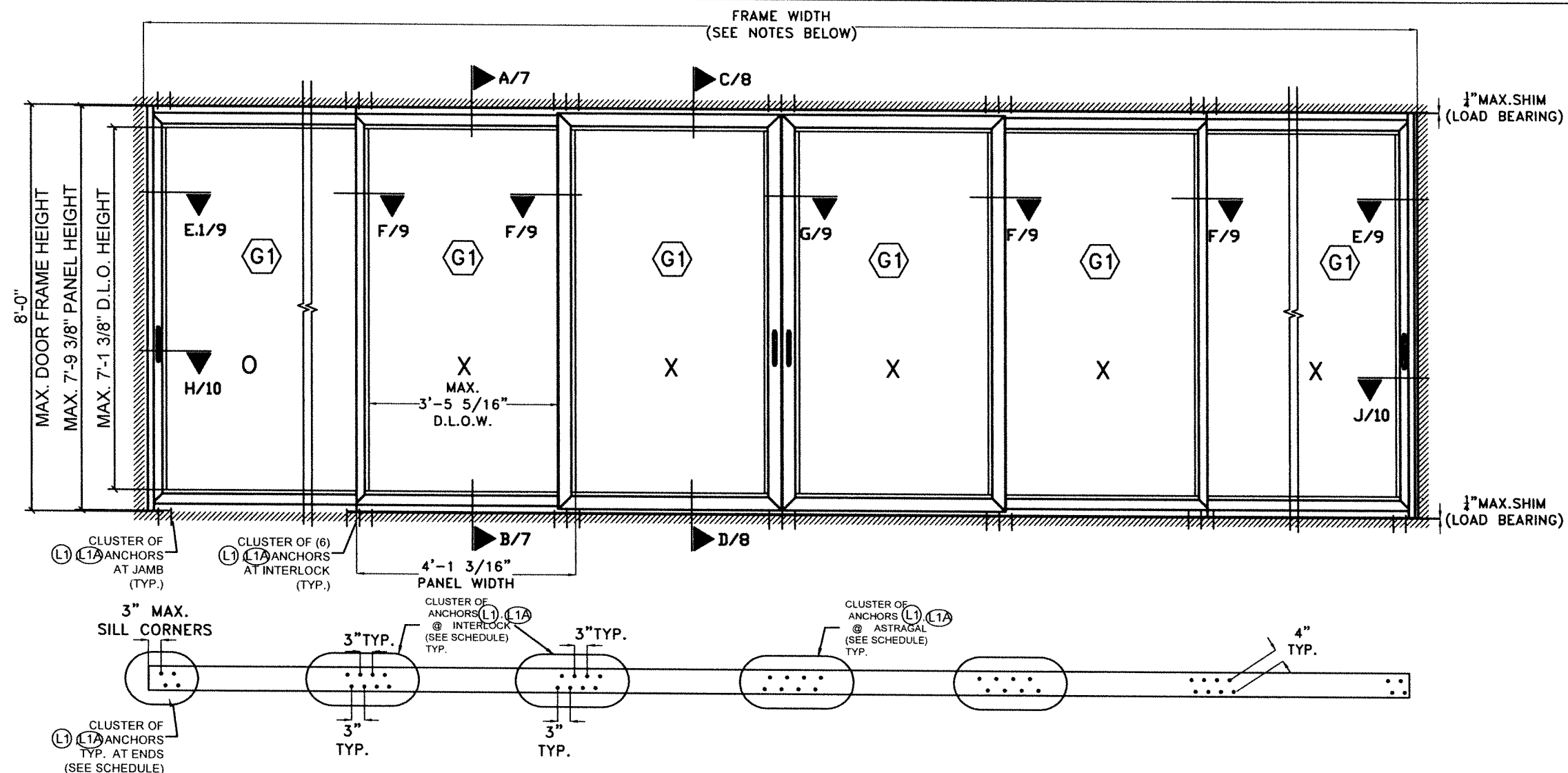
GLASS TYPE **G1**  
9/16" NOMINAL LAMINATED GLASS  
**GLASS CONFIGURATION**

SCALE: N.T.S



P.E. SEAL/SIGNATURE/DATE

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



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

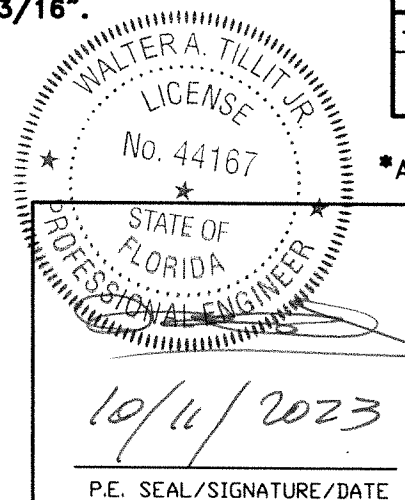
### NOTES:

- 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  $1.5 \times 16'-0" = 24'-0"$  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.

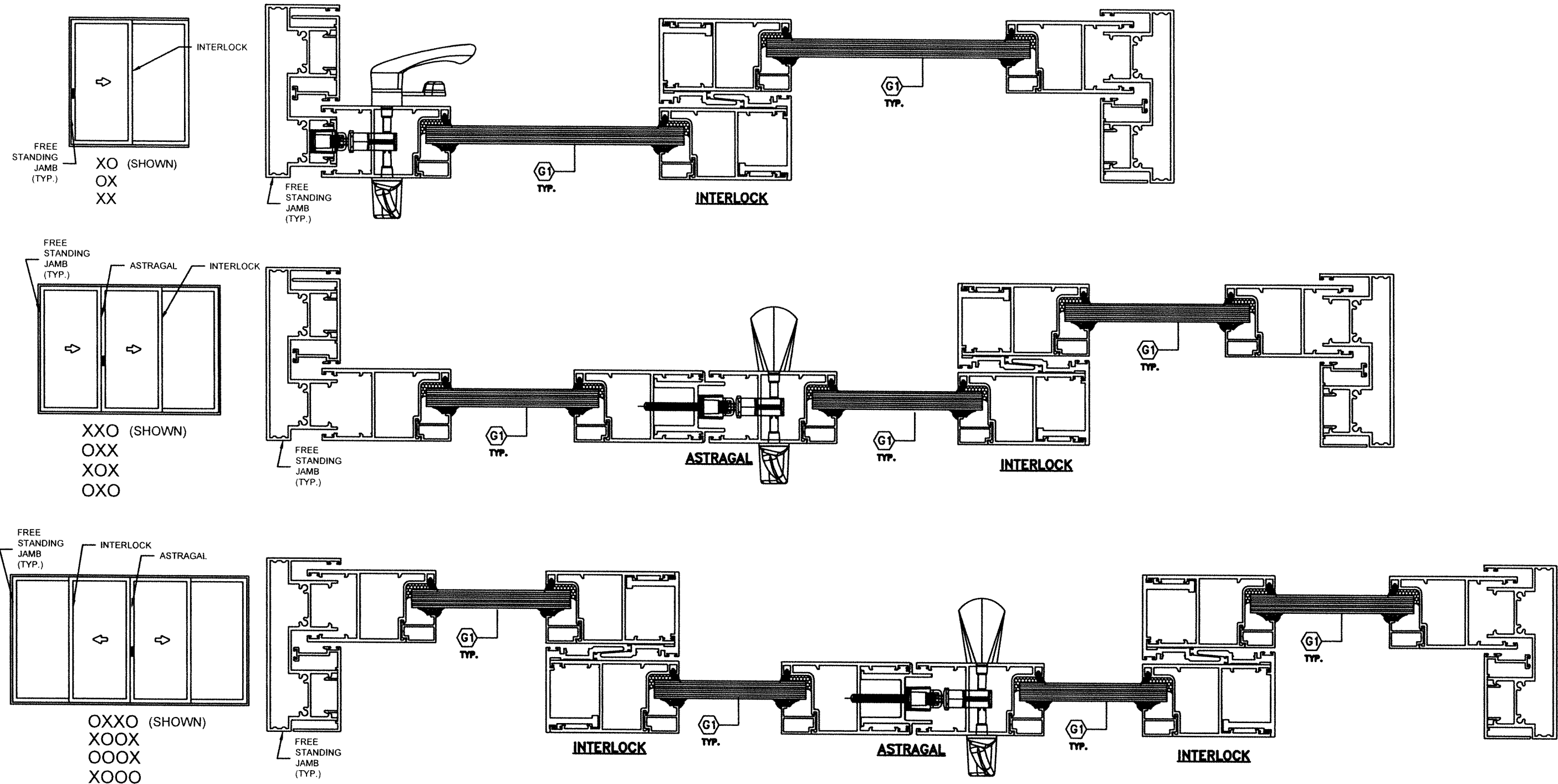
### SCHEDULE FOR NUMBERS ANCHORS (L1), (L1A) REQUIRED AT CLUSTER AT INTERLOCK, ASTRAGAL & ENDS AT HEAD/SILL BASED ON A.S.D. DESIGN LOAD & SUBSTRATE\*

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

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



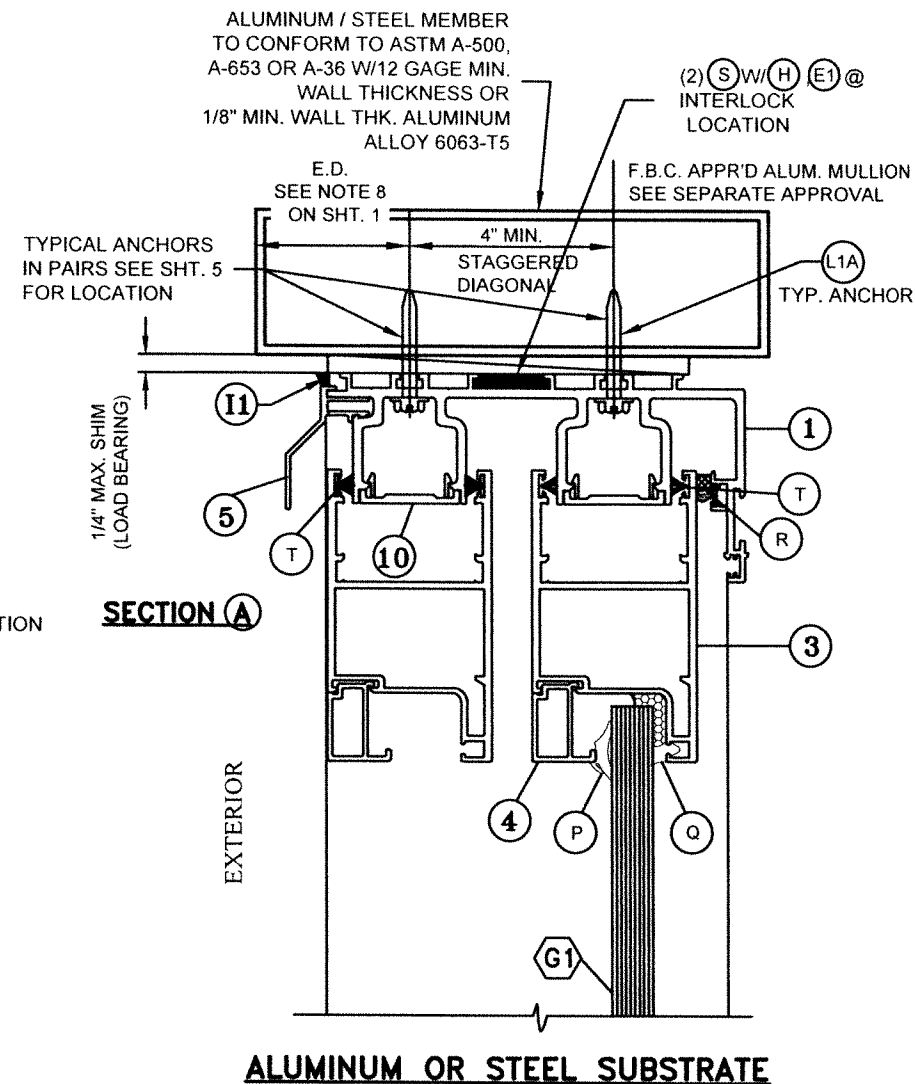
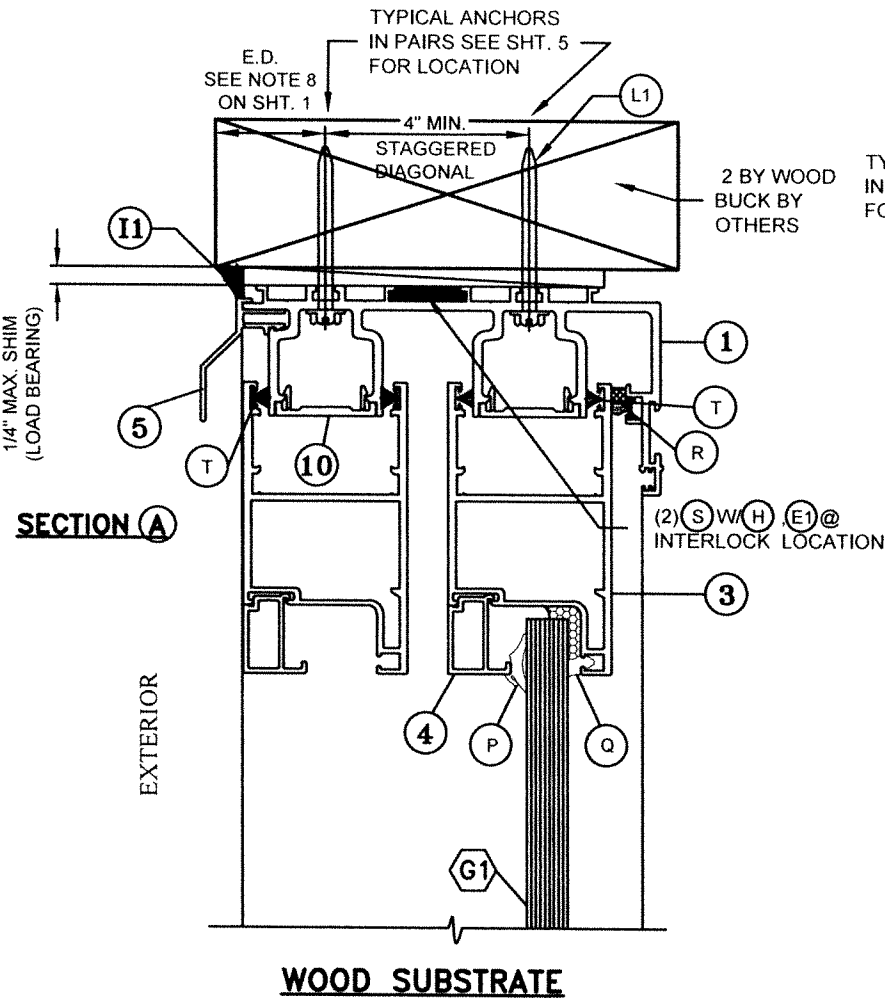
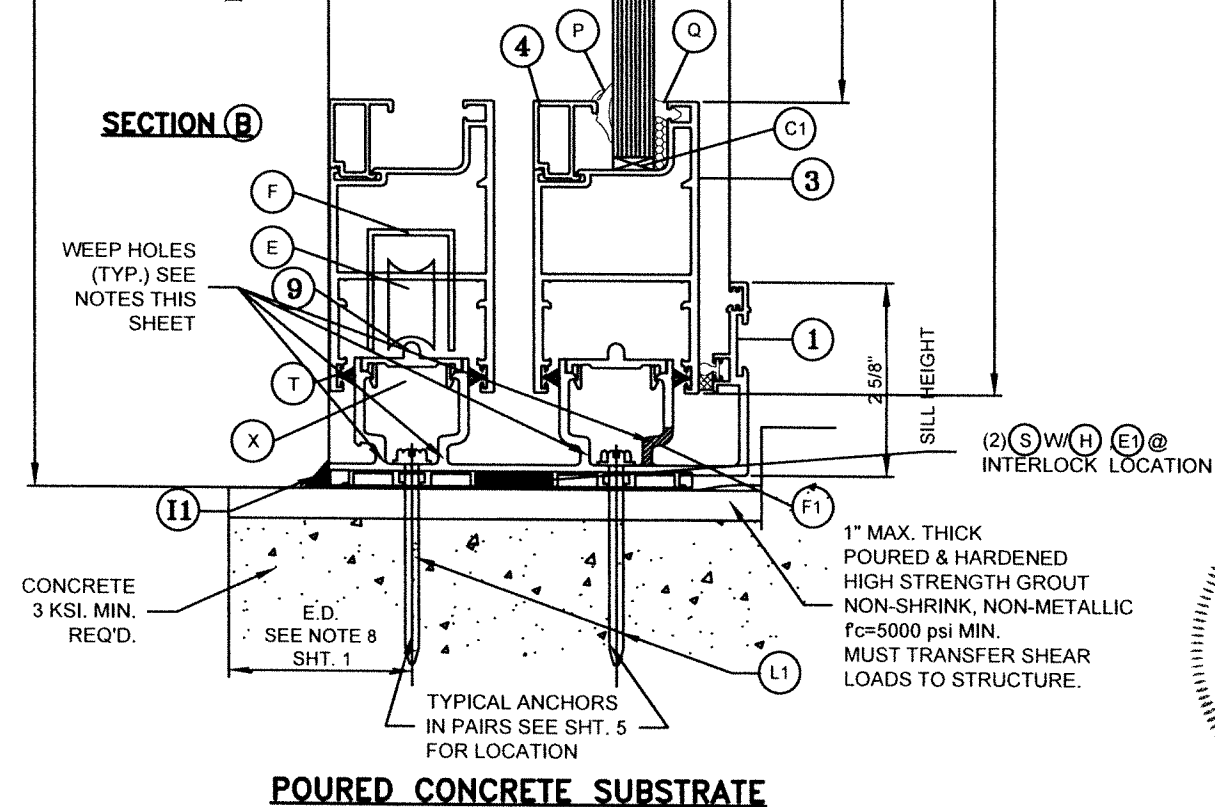
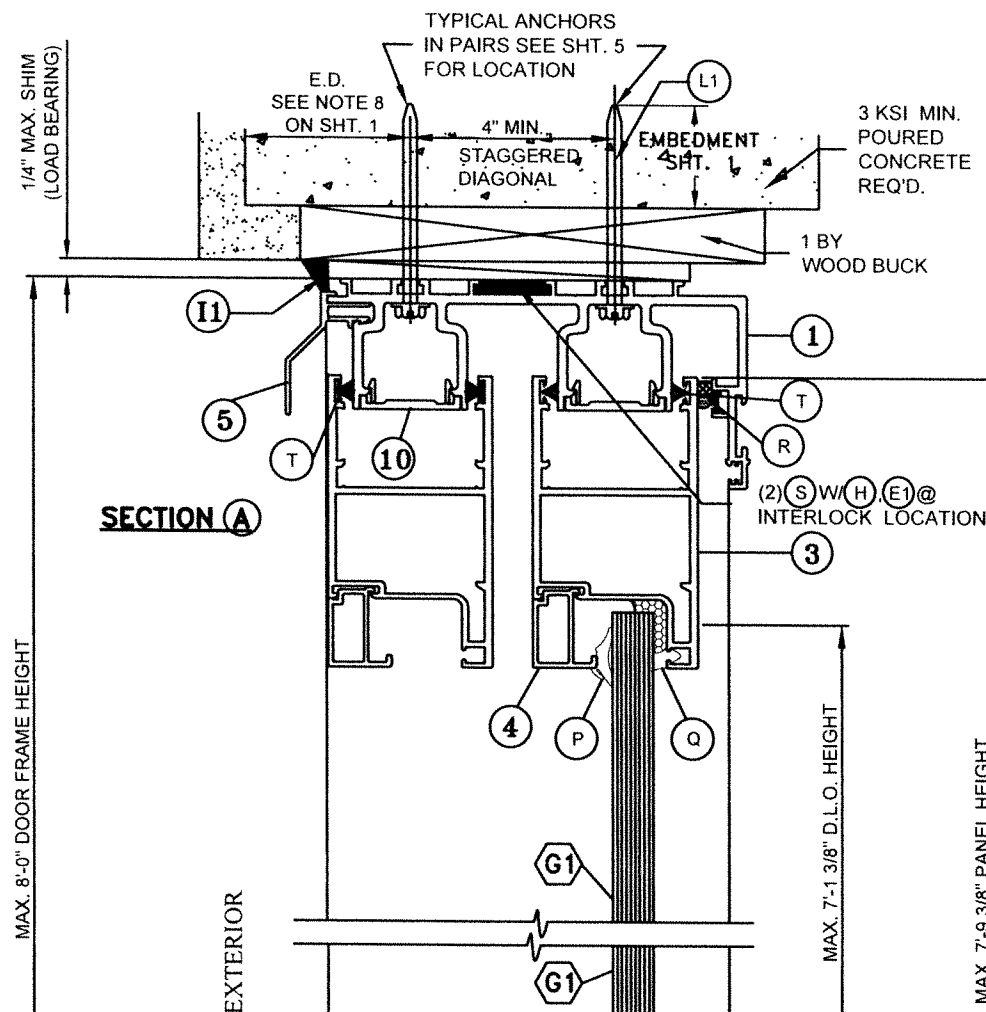
| FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)                                                                                                                                                                |             |         |                                                             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



**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

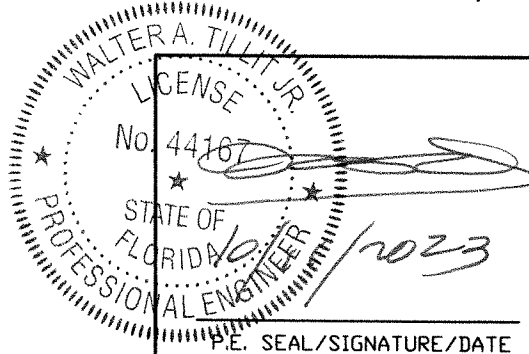
| FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)                                                                                                                                                                                                                                                      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



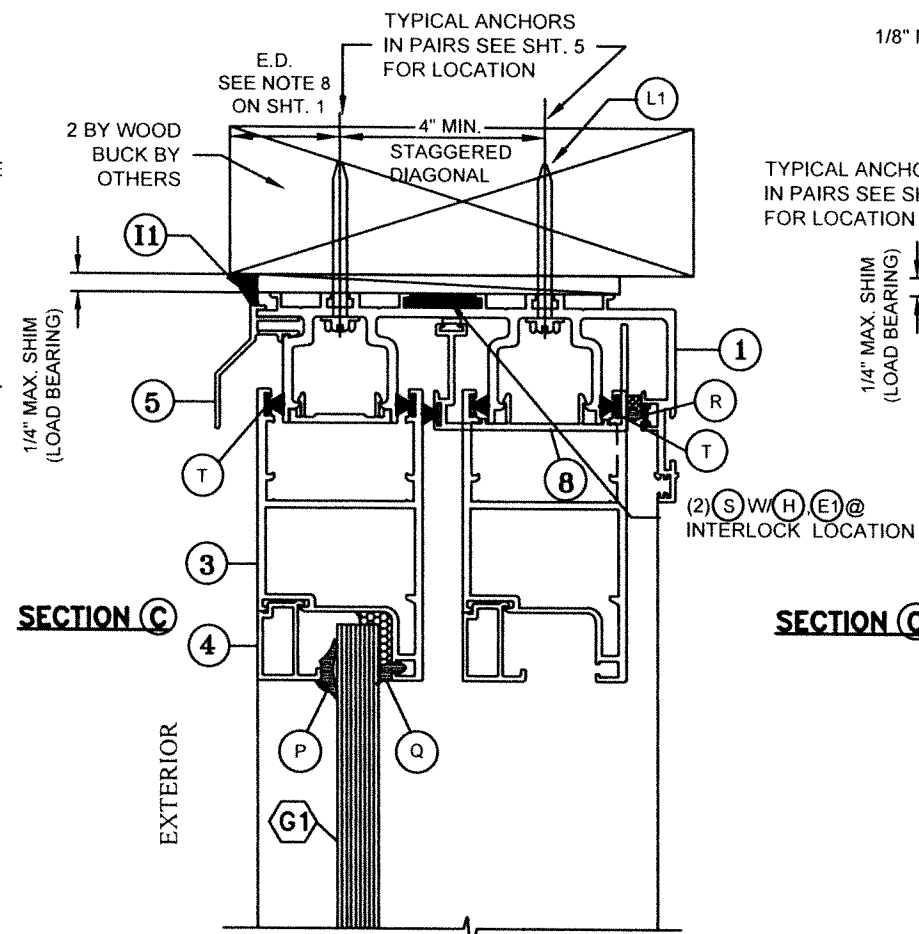
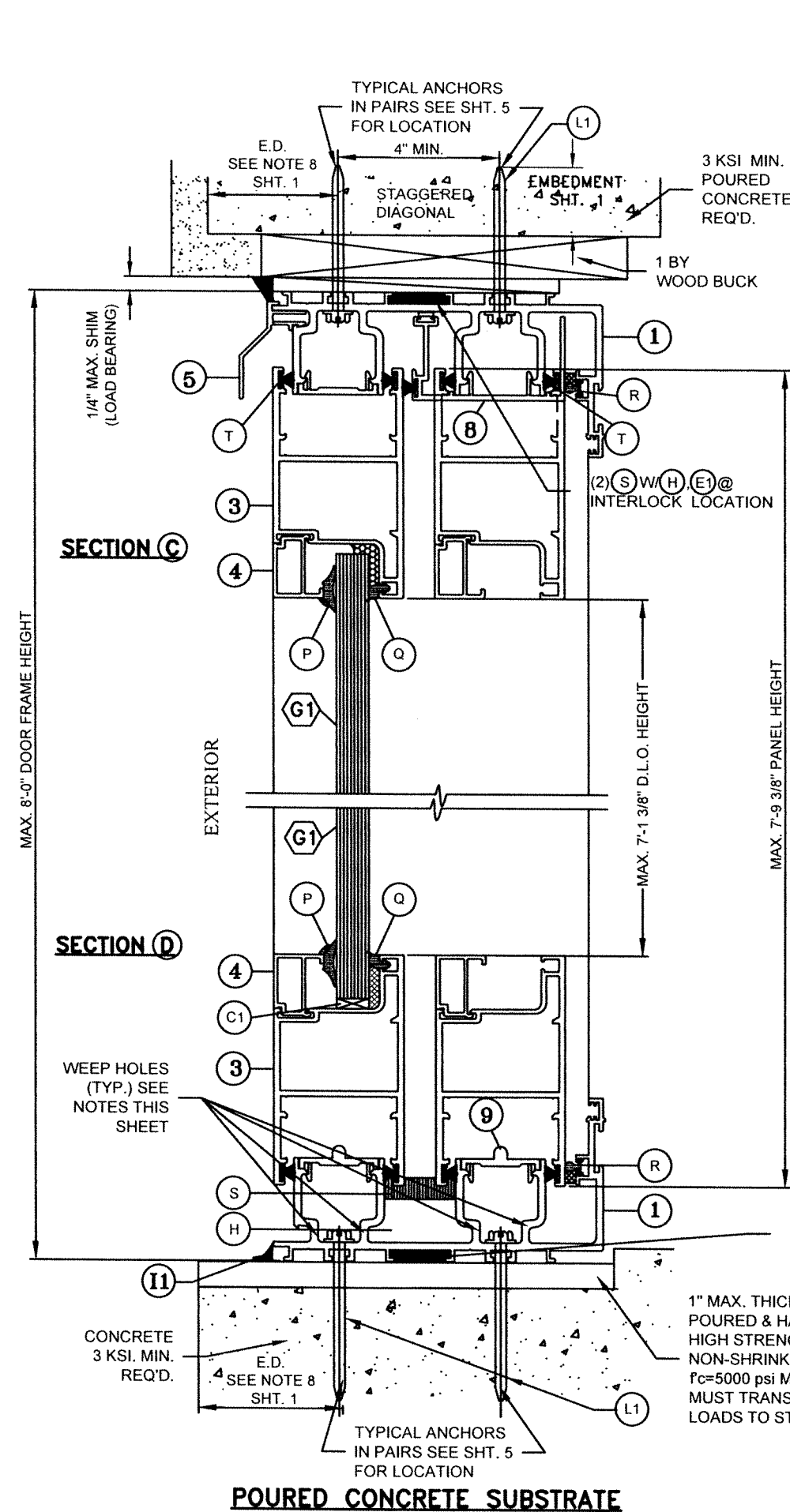
## (2 TRACK) S.G.D VERTICAL SECTIONS N.T.S

### NOTE 1: WEEP HOLES REQUIREMENTS

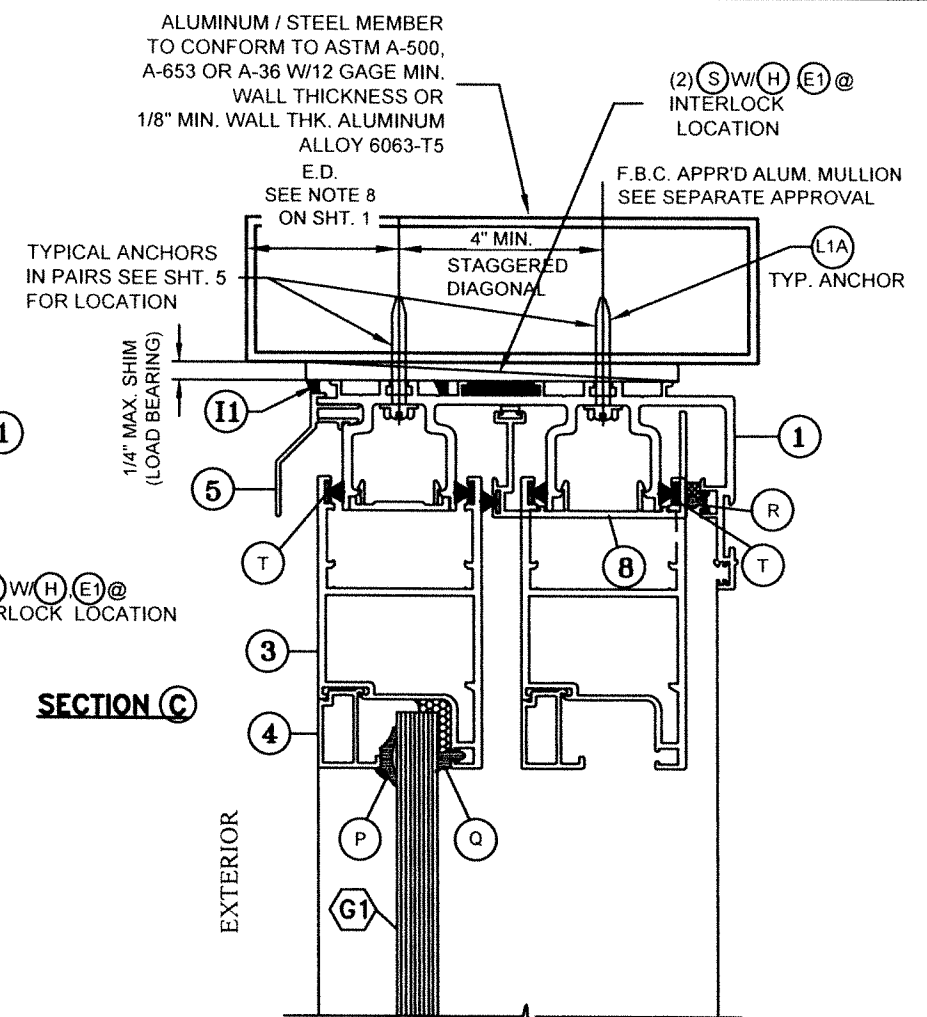
- a- WEEP HOLE SIZE: 2" LONG X 3/16" WIDE
- b- AT INTERIOR TRACK OF SILL (1): PROVIDE (2) WEEP HOLES EACH PANEL @ 32" O.C., 8" END AT EXTERIOR AND INTERIOR LEG. INTERIOR LEG W/ (F1) INCLUDED.
- c- AT EXTERIOR TRACK OF SILL (1): PROVIDE (4) WEEP HOLES EACH PANEL @ 13" O.C., 4 1/2" END AT EXTERIOR & INTERIOR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



| FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)                                                                                                                                                           |             |         |                                                                      |             |                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|----------------------------------------------------------------------|-------------|--------------------|
| ©2023 TILTECO, INC.                                                                                                                                                                                            |             |         | (2 & 3 TRACK) AB-2300 ALUMINUM SLIDING GLASS DOOR (L.M.I.)           |             | Y.M. DRAWN BY:     |
| TILTECO INC.                                                                                                                                                                                                   |             |         | AMERICA'S BEST WINDOWS & DOORS                                       |             | 08/17/23 DATE:     |
| TILLIT TESTING & ENGINEERING COMPANY<br>6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166<br>Phone: (305)871-1530 Fax: (305)871-1531<br>CA-0006719<br>WALTER A. TILLIT Jr. P.E.<br>FLORIDA Lic. # 44167 |             |         | 1350 PARK CENTRAL BLVD.<br>POMPAHO BEACH, FL 33064<br>(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                                                                    | -           | -                  |



**WOOD SUBSTRATE**

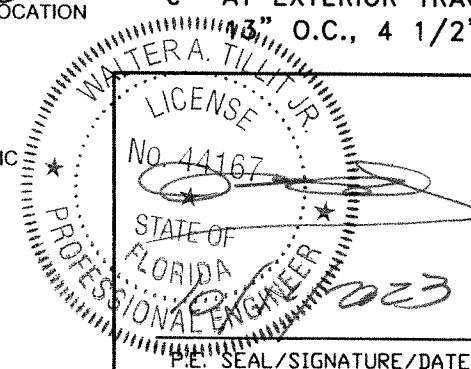


**ALUMINUM OR STEEL SUBSTRATE**

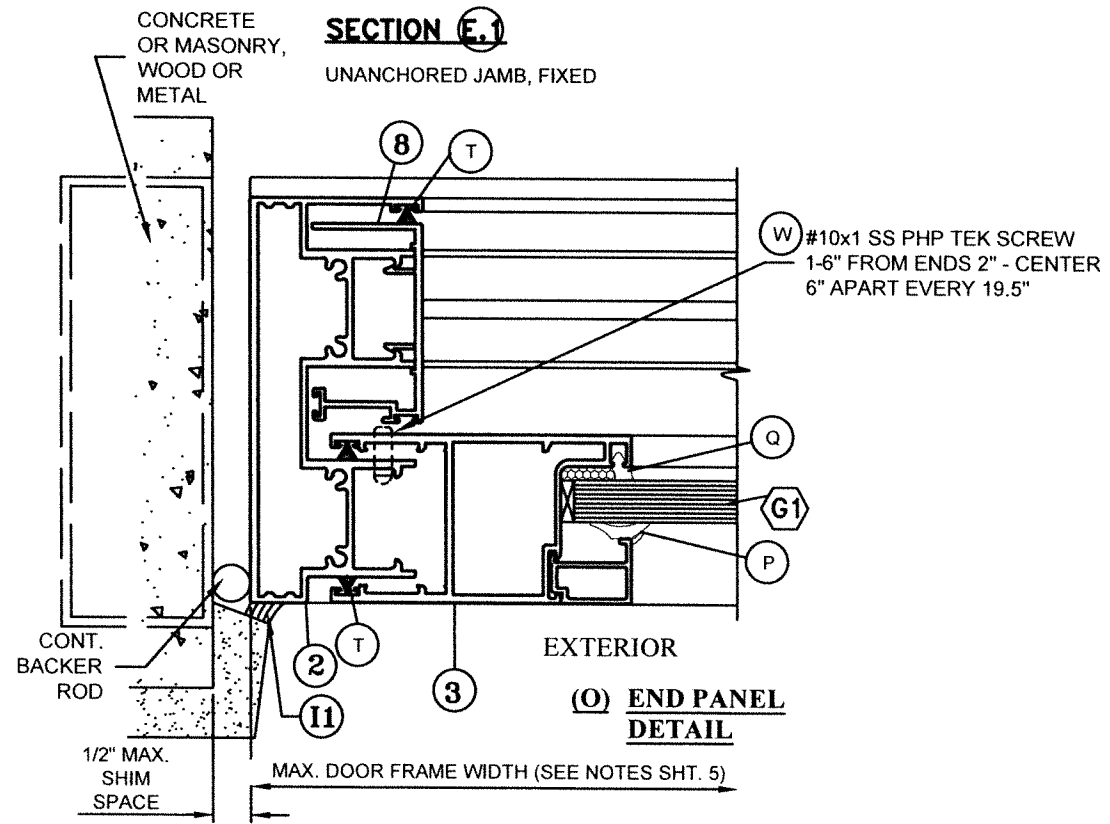
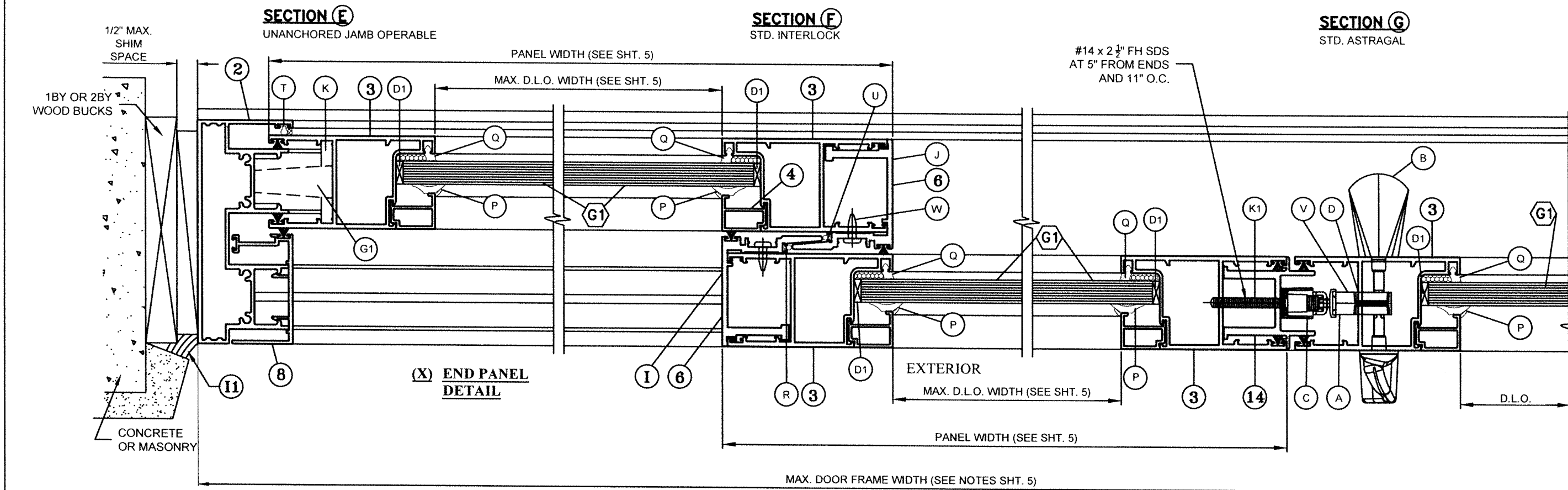
## (2 TRACK) S.G.D VERTICAL SECTIONS N.T.S

### NOTE 1: WEEP HOLES REQUIREMENTS

- a- WEEP HOLE SIZE: 2" LONG X 3/16" WIDE
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- 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)                                                                                                                                                                                                         |             |         |                                                                                                                                                                                 |             |      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------|
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| REV. NO                                                                                                                                                                                                                                                      | DESCRIPTION | DATE    | REV. No                                                                                                                                                                         | DESCRIPTION | DATE |
| 1                                                                                                                                                                                                                                                            | OLD 23-061  | 8/17/23 | 3                                                                                                                                                                               | -           | -    |
| 2                                                                                                                                                                                                                                                            | -           | -       | 4                                                                                                                                                                               | -           | -    |
|                                                                                                                                                                                                                                                              |             |         | Y.M. DRAWN BY:<br>08/17/23 DATE:<br><b>23-188</b><br>DRAWING No.                                                                                                                |             |      |
|                                                                                                                                                                                                                                                              |             |         | SHEET 8 OF 21                                                                                                                                                                   |             |      |



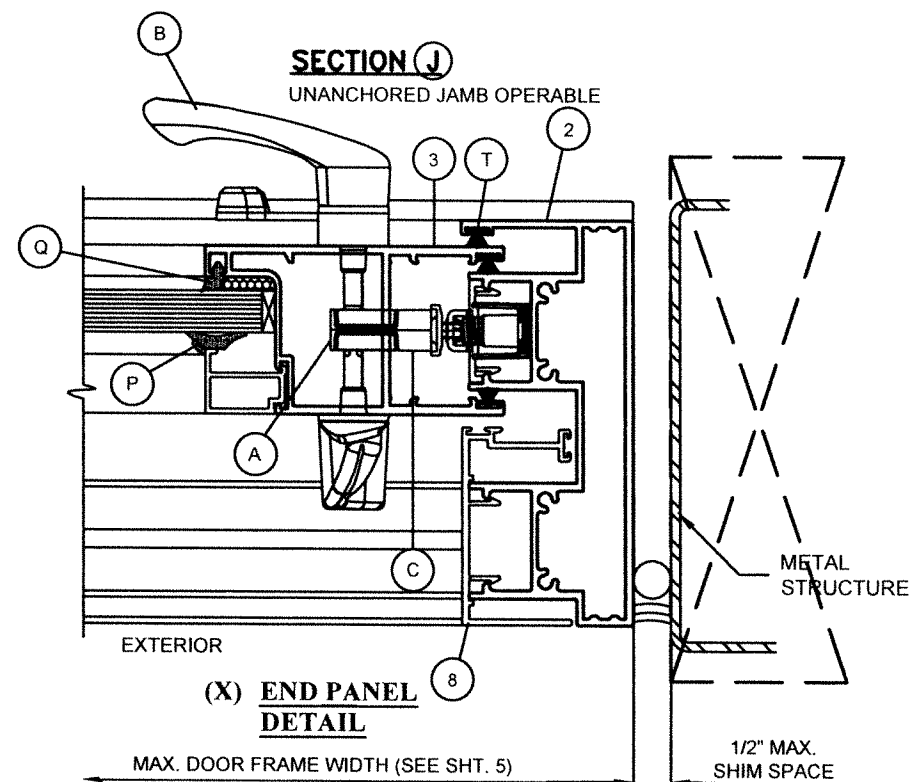
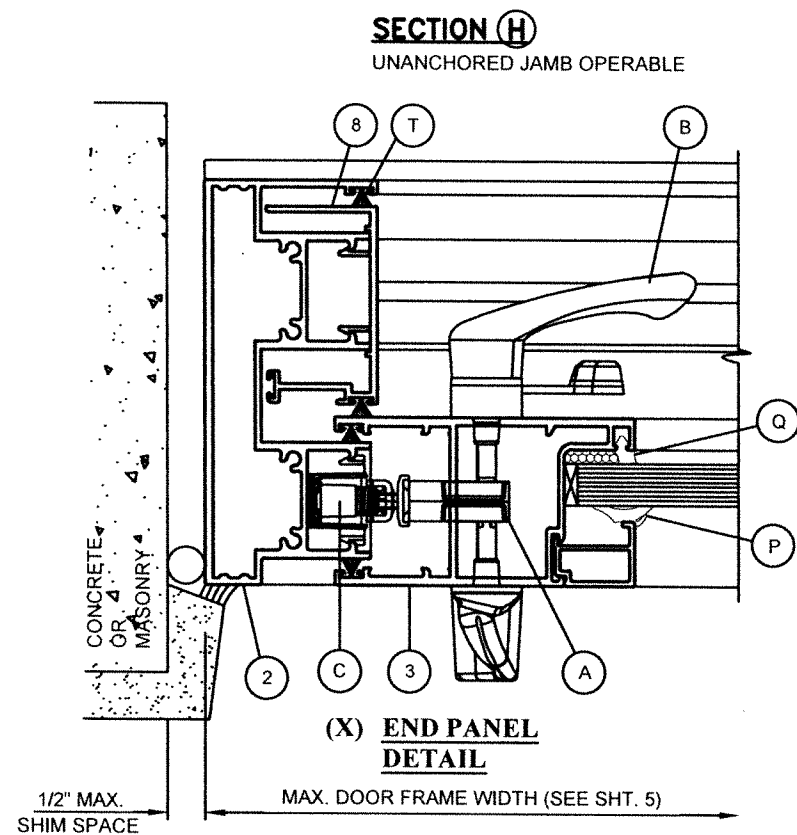
**POURED CONCRETE, MASONRY, WOOD OR METAL SUBSTRATE**

**(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

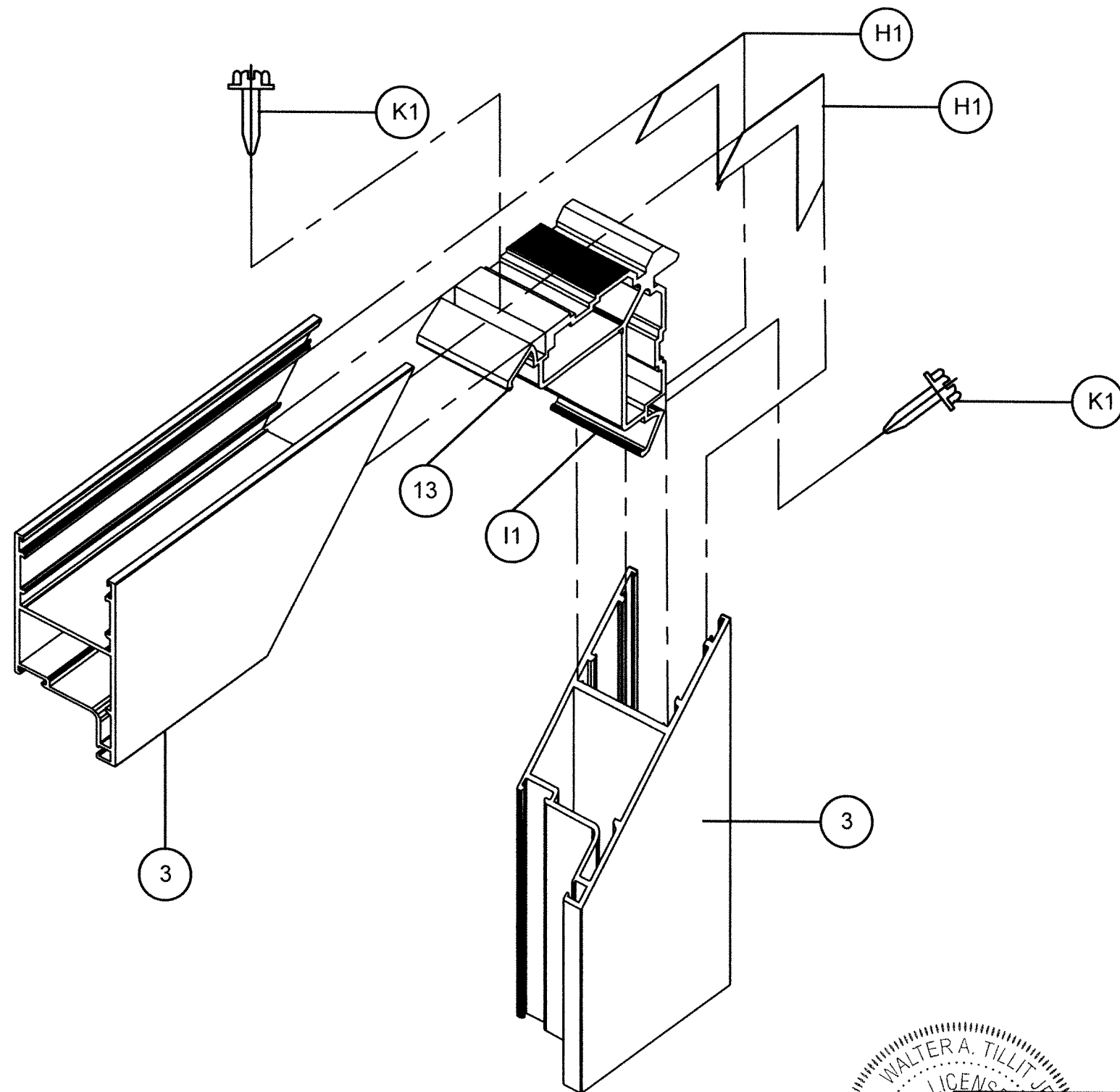
| FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)                                                                                                                                                                                                              |             |         |                                                                                                                                                                                            |             |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------|
| ©2023 TILTECO, INC.<br><b>TILTECO INC.</b><br>TILLIT TESTING & ENGINEERING COMPANY<br>6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166<br>Phone : (305)871-1530 . Fax : (305)871-1531<br>CA-0006719<br>WALTER A. TILLIT Jr. P.E.<br>FLORIDA Lic. # 44167 |             |         | <b>(2 &amp; 3 TRACK) AB-2300 ALUMINUM SLIDING GLASS DOOR (L.M.I.)</b><br><b>AMERICA'S BEST WINDOWS &amp; DOORS</b><br>1350 PARK CENTRAL BLVD.<br>POMPAHO BEACH, FL 33064<br>(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:<br>08/17/23 DATE:<br><b>23-188</b><br>DRAWING No.                                                                                                                           |             |      |
|                                                                                                                                                                                                                                                                   |             |         | SHEET 9 OF 21                                                                                                                                                                              |             |      |



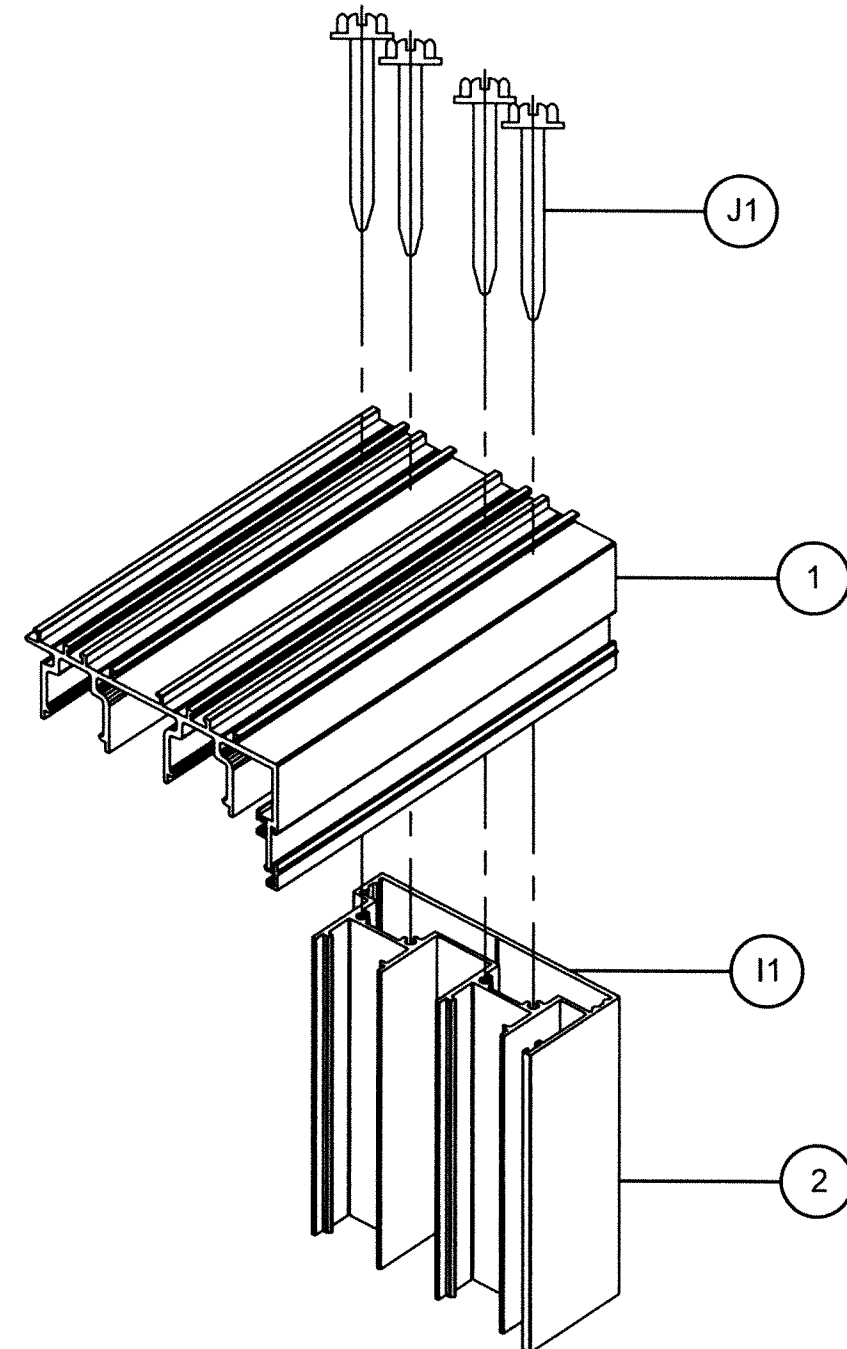
**POURED CONCRETE, MASONRY, WOOD OR METAL SUBSTRATE**  
**(2 TRACK) S.G.D HORIZONTAL SECTIONS**  
**N.T.S**

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

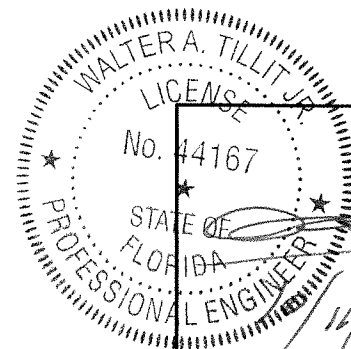
| FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)                                                                                                                                                             |             |         |                                                                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

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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

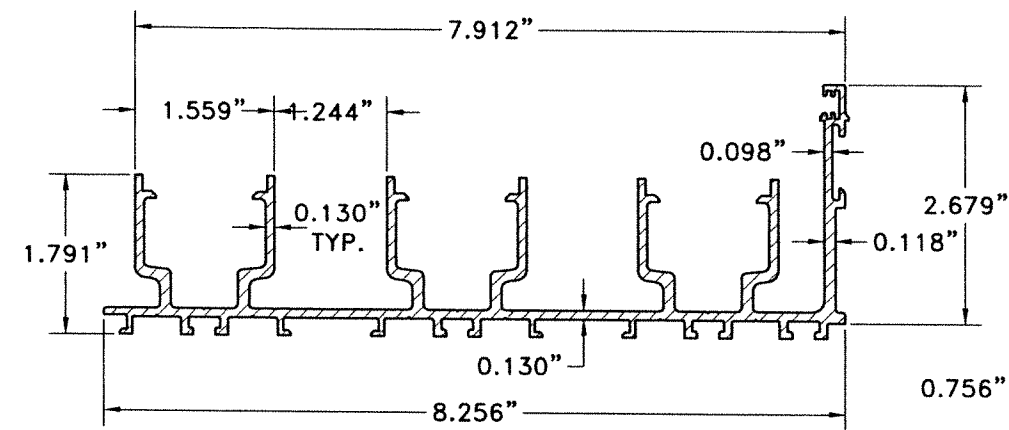
Y.M.  
DRAWN BY:  
08/17/23  
DATE:  
**23-188**  
DRAWING No.  
SHEET 11 OF 21

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

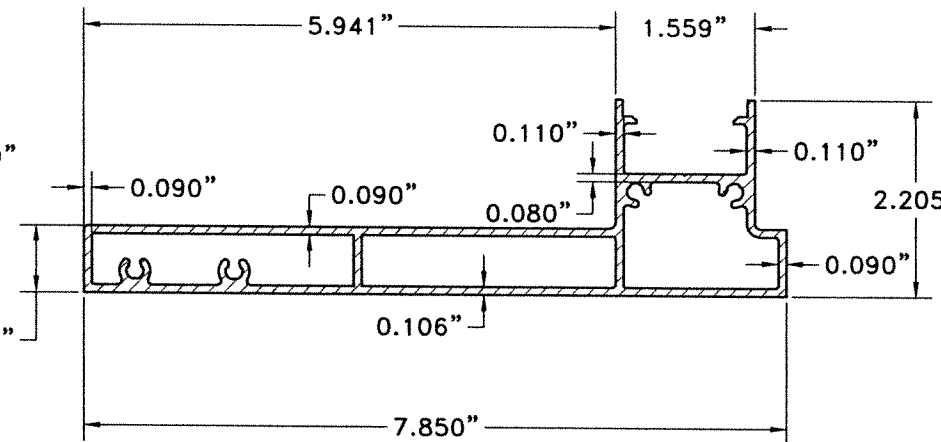
| BILL OF MATERIALS FOR THREE TRACK DOOR |                                                |                                      |                                                          |
|----------------------------------------|------------------------------------------------|--------------------------------------|----------------------------------------------------------|
| 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 ½" 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 ¾" FHP UC MS F SS-410        | DISTRIBUTED BY INTERSTATE            | STAINLESS STEEL                                          |
| Y                                      | SCREW # 4 8-32 X ⅝" FHP UC MS SS-18/8          | DISTRIBUTED BY INTERSTATE            | STAINLESS STEEL                                          |
| C1                                     | SETTING BLOCK # 1 2NB890187024128 ¾" X 4" X ⅜" | FRANK                                | DUROMETER HARDNESS MIN. 70 SHORE A                       |
| D1                                     | SETTING BLOCK # 2 2NB890187016018 ⅝" X ½" X ⅜" | FRANK                                | DUROMETER HARDNESS MIN. 70 SHORE A                       |
| E1                                     | FOAM PAD ½" X 1.25" X 1.25" WHT#2 XLP          | FRANK                                | FOAM                                                     |
| F1                                     | RETICUL PAD ⅜" X ⅝" 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 ½" 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

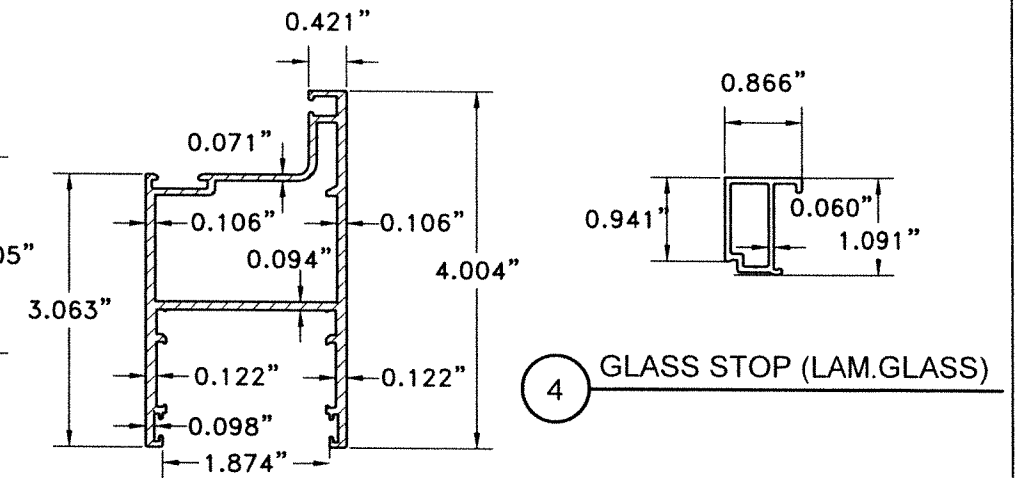
| FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)                                                                                                                                                                |             |         |                                                                      |             |                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|----------------------------------------------------------------------|-------------|-----------------------|
| ©2023 TILTECO, INC.                                                                                                                                                                                                 |             |         | (2 & 3 TRACK) AB-2300 ALUMINUM SLIDING GLASS DOOR (L.M.I.)           |             | Y.M.<br>DRAWN BY:     |
|                                                                                                                                |             |         | AMERICA'S BEST WINDOWS & DOORS                                       |             | 08/17/23<br>DATE:     |
| TILLIT TESTING & ENGINEERING COMPANY<br>6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166<br>Phone : (305)871-1530 . Fax : (305)871-1531<br>CA-0006719<br>WALTER A. TILLIT Jr. P.E.<br>FLORIDA Lic. # 44167 |             |         | 1350 PARK CENTRAL BLVD.<br>POMPANO BEACH, FL 33064<br>(954) 973-1362 |             | 23-188<br>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

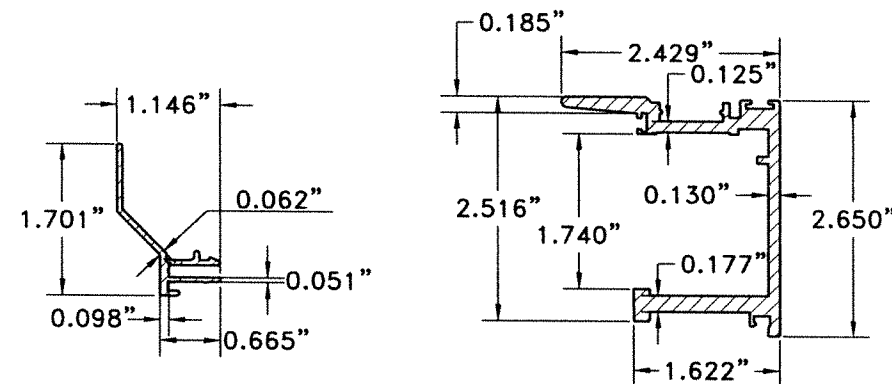


2 FRAME JAMB



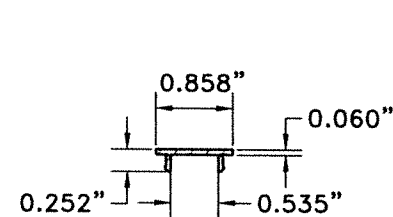
3 PANEL RAIL/STILE

4 GLASS STOP (LAM.GLASS)

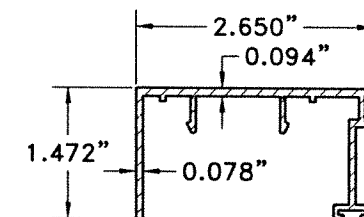


5 DRIP CAP

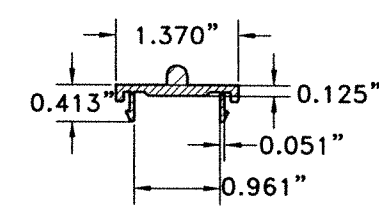
6 INTERLOCK



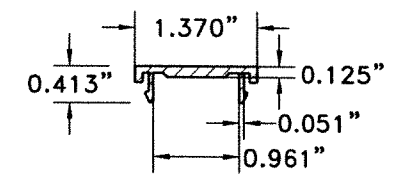
7 INTERLOCK COVER



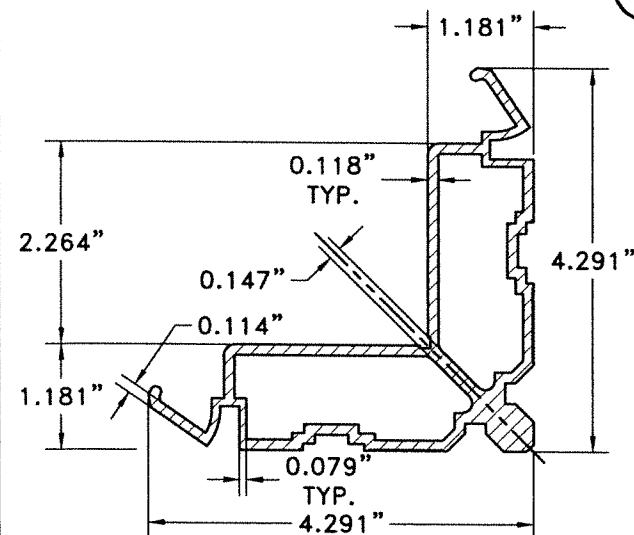
8 THRESHOLD /JAMB CAP



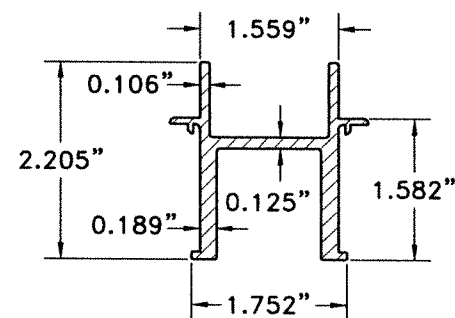
9 TRACK



10 FRAME COVER

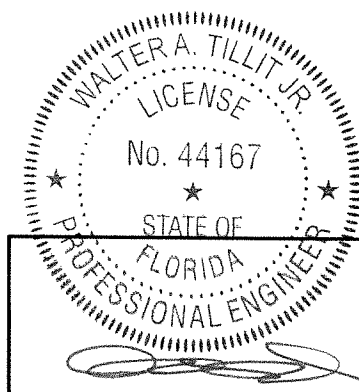


13 CORNER KEY



14 STD. ASTRAGAL

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



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

## FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

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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:

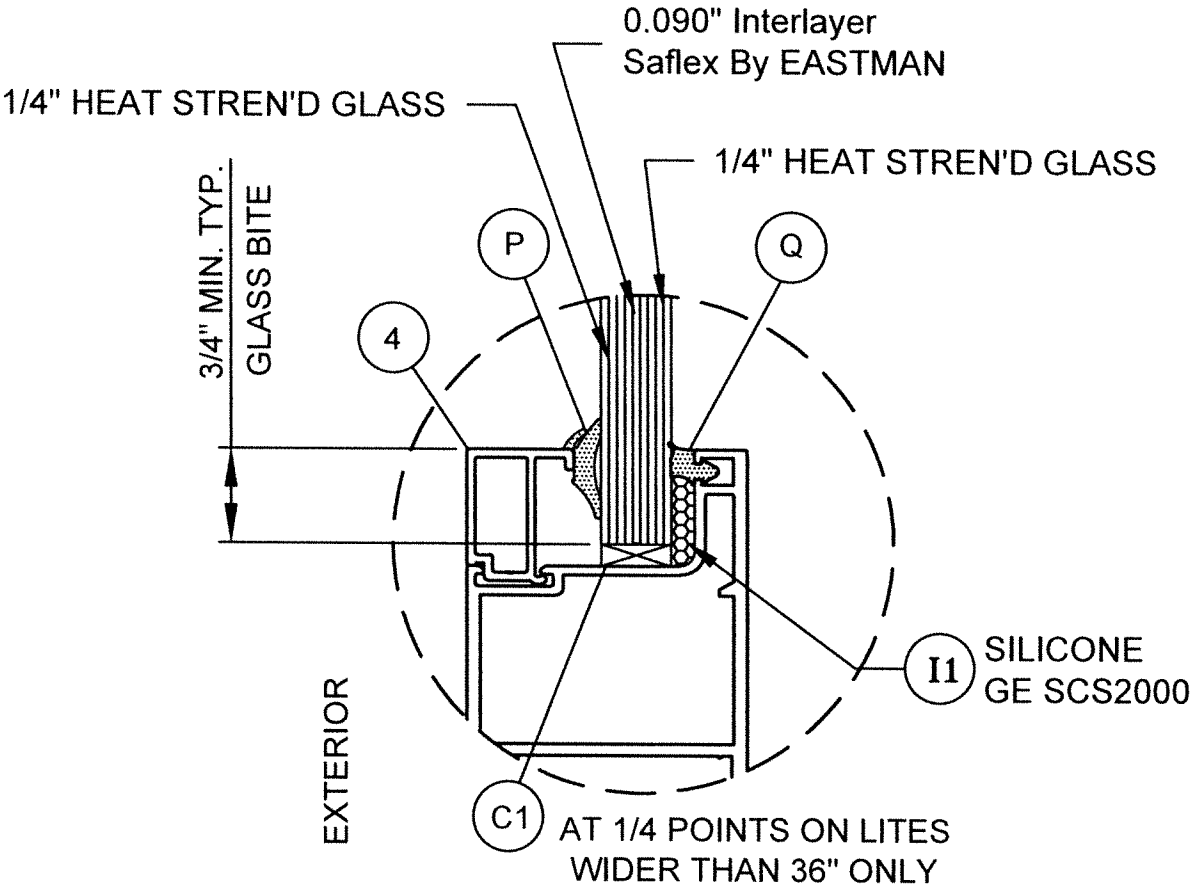
08/17/23  
DATE:

23-188  
DRAWING No.

SHEET 13 OF 21

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

| 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<br>+ 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

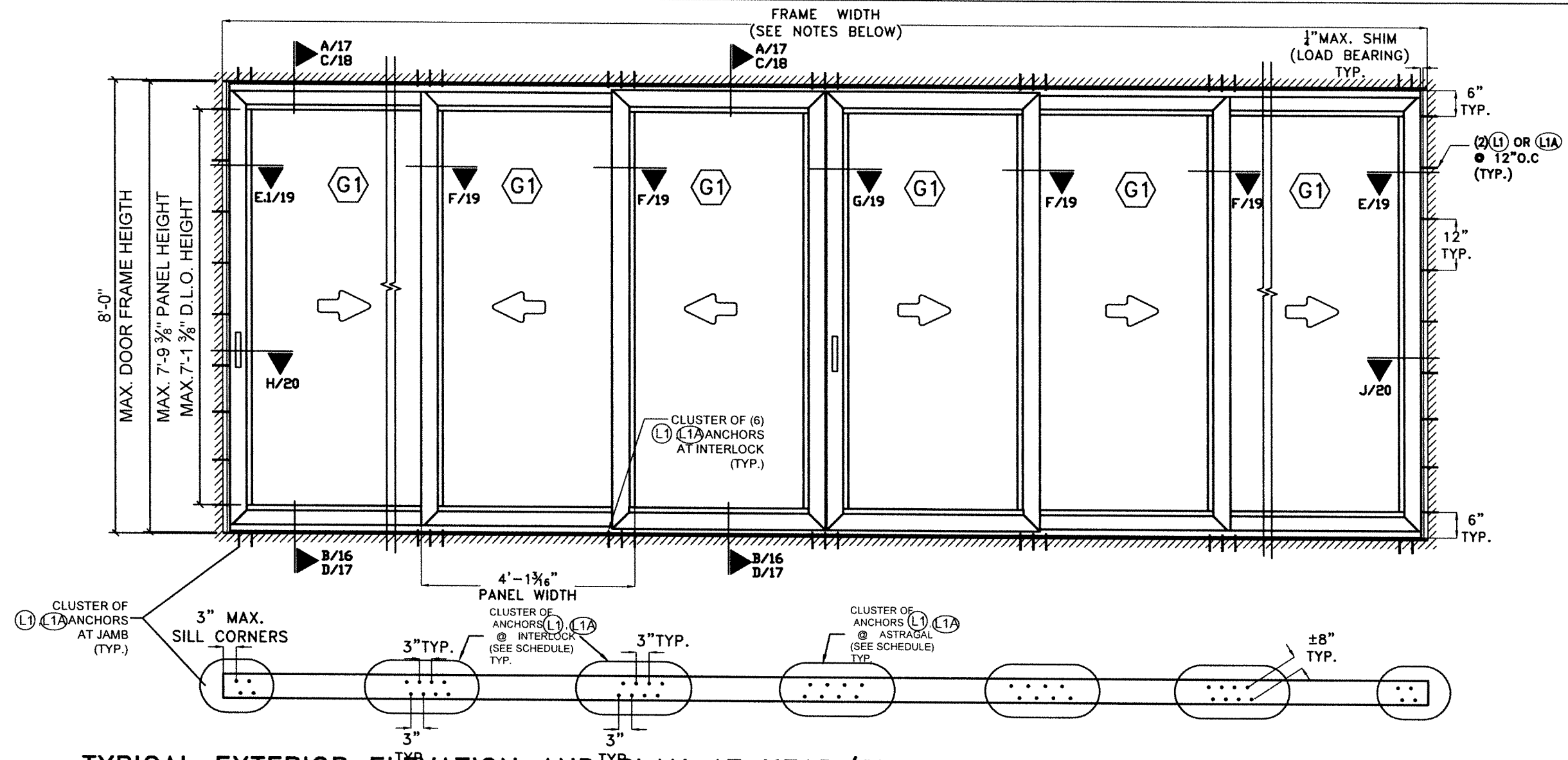
STATE OF FLORIDA

PROFESSIONAL ENGINEER

6/1/2023

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| FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)                                                                                                                                                                                           |             |         |                                                                                                                                                                                    |             |                                                                        |
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| 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)<br>DESIGN LOAD | AT INTERLOCK CLUSTER            |                 |                                               | AT ADJACENT TO JAMB CLUSTER     |                 |                                               |
|----------------------------|---------------------------------|-----------------|-----------------------------------------------|---------------------------------|-----------------|-----------------------------------------------|
|                            | (L1)<br>IN CONCRETE<br>OR BLOCK | (L1)<br>IN WOOD | (L1A)<br>IN 1/8" ALUMINUM<br>OR 12 GAGE STEEL | (L1)<br>IN CONCRETE<br>OR BLOCK | (L1)<br>IN WOOD | (L1A)<br>IN 1/8" ALUMINUM<br>OR 12 GAGE STEEL |
| +55, -55 or LESS           | 6                               | 8               | 8                                             | 2                               | 4               | 2                                             |
| > +55, -55 TO<br>+65, -80  | 6                               | 10              | 8                                             | 2                               | 4               | 2                                             |

**NOTES:**

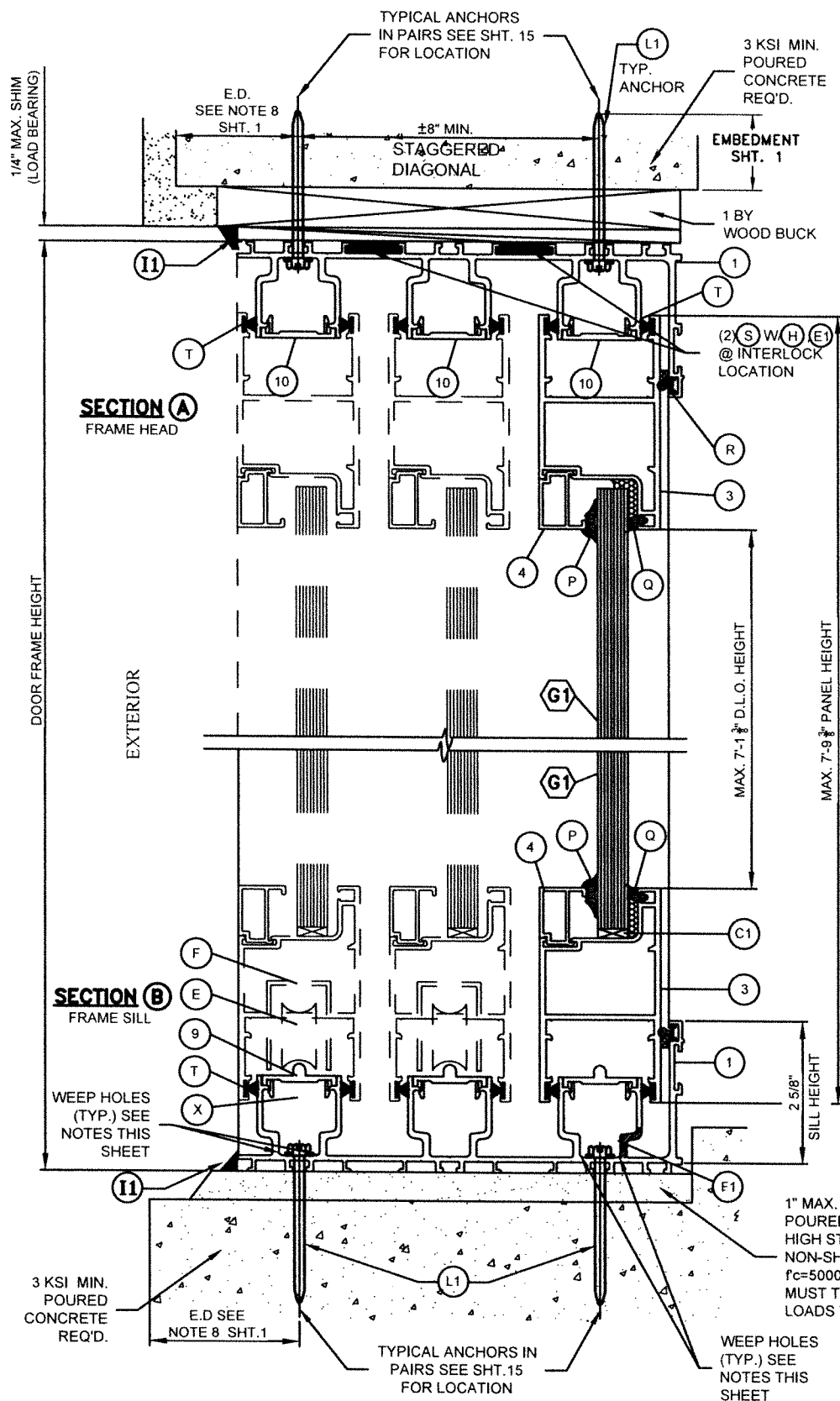
- 1-TYPICAL EXTERIOR ELEVATION SHOWS A 3 TRACK DOOR WITH MAXIMUM PANEL DIMENSION CONDITION.
- 2- IF NEEDED, AND BASED ON 16'-0" TOTAL TESTED DOOR FRAME WIDTH, AN ALLOWABLE NEW TOTAL FRAME WIDTH OF 1.5x 16'-0" = 24'-0" WILL BE ALLOWED TO BE INSTALLED FOR UP TO 96" FRAME HEIGHT DOORS AND A MAXIMUM PANEL 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.

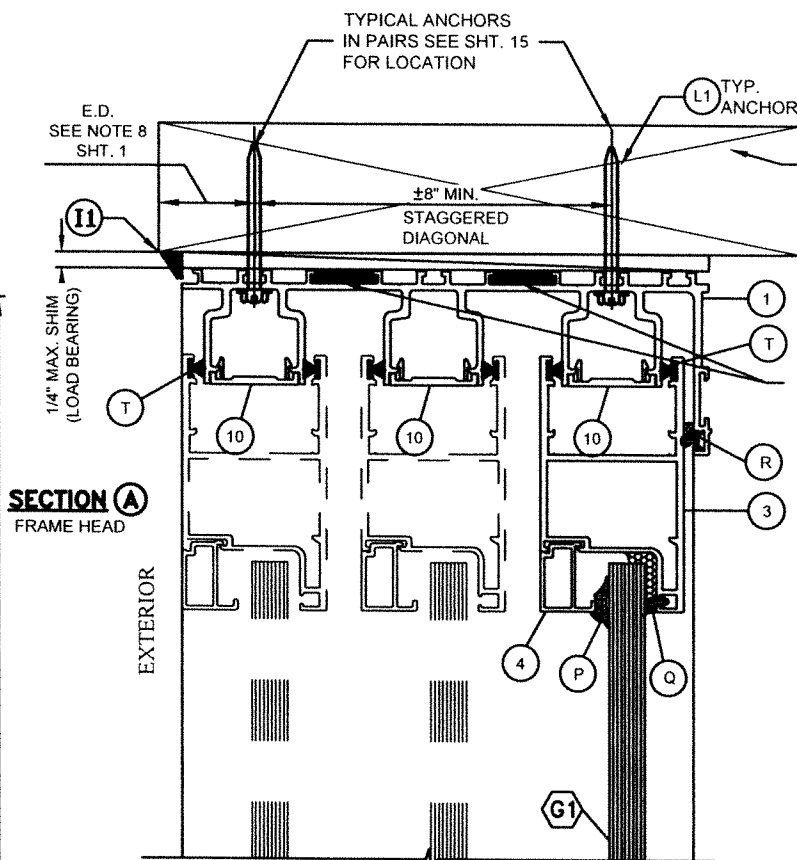
WALTER A. TILLIT JR.  
 LICENSE  
 No. 44167  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER  
 P.E. SEAL/SIGNATURE/DATE

|                                                                                                                                                                                                                                                |                                                                                                                                               |  |  |  |  |                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|------------------------------------------------------------------------|
| FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)<br>(2 & 3 TRACK) AB-2300 ALUMINUM SLIDING GLASS DOOR (L.M.I.)<br><b>AMERICA'S BEST WINDOWS &amp; DOORS</b><br>1350 PARK CENTRAL BLVD.<br>POMPAÑO BEACH, FL 33064<br>(954) 973-1362        |                                                                                                                                               |  |  |  |  | Y.M.<br>DRAWN BY:<br>08/17/23<br>DATE:<br><b>23-188</b><br>DRAWING No. |
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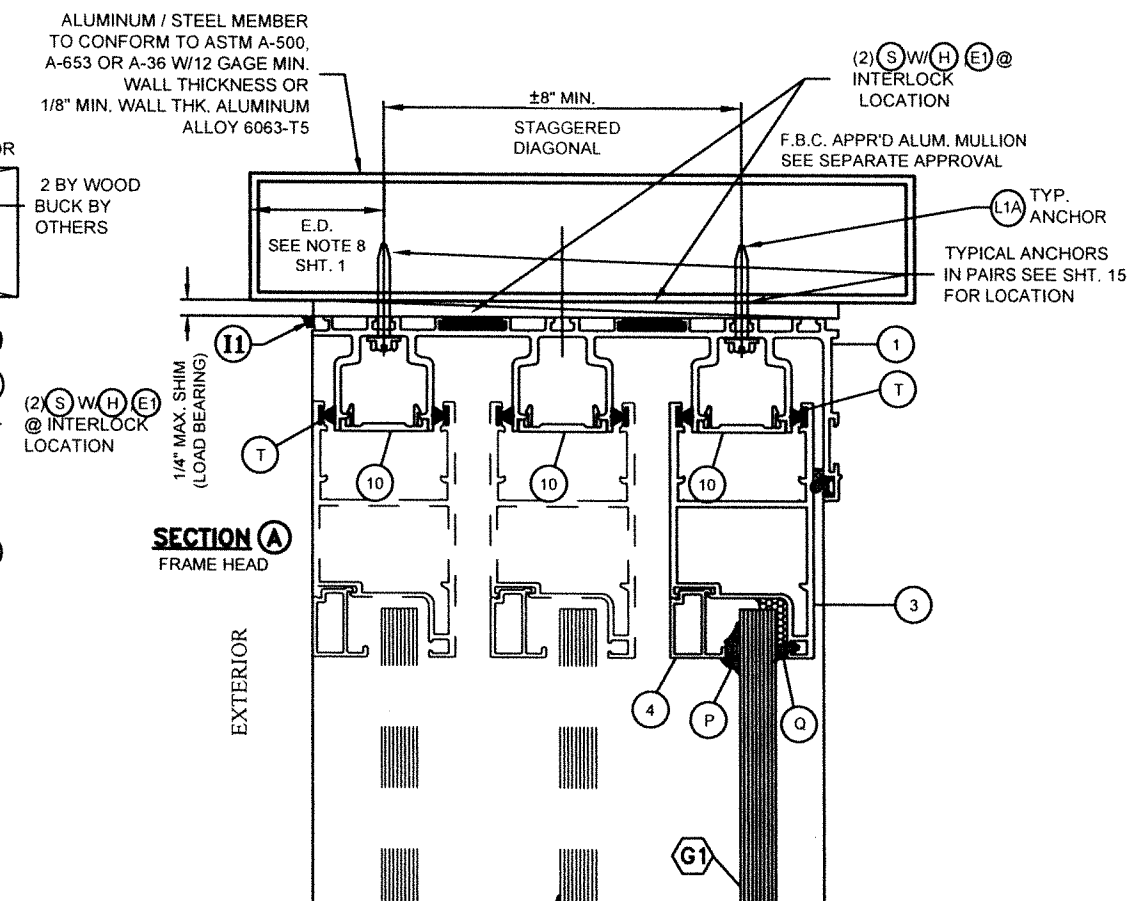




**POURED CONCRETE SUBSTRATE**



**WOOD SUBSTRATE**

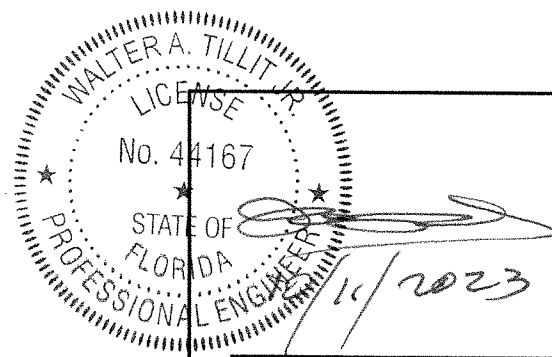


**ALUMINUM OR STEEL SUBSTRATE**

**(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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1350 PARK CENTRAL BLVD.  
POMPANO BEACH, FL 33064  
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Y.M.  
DRAWN BY:

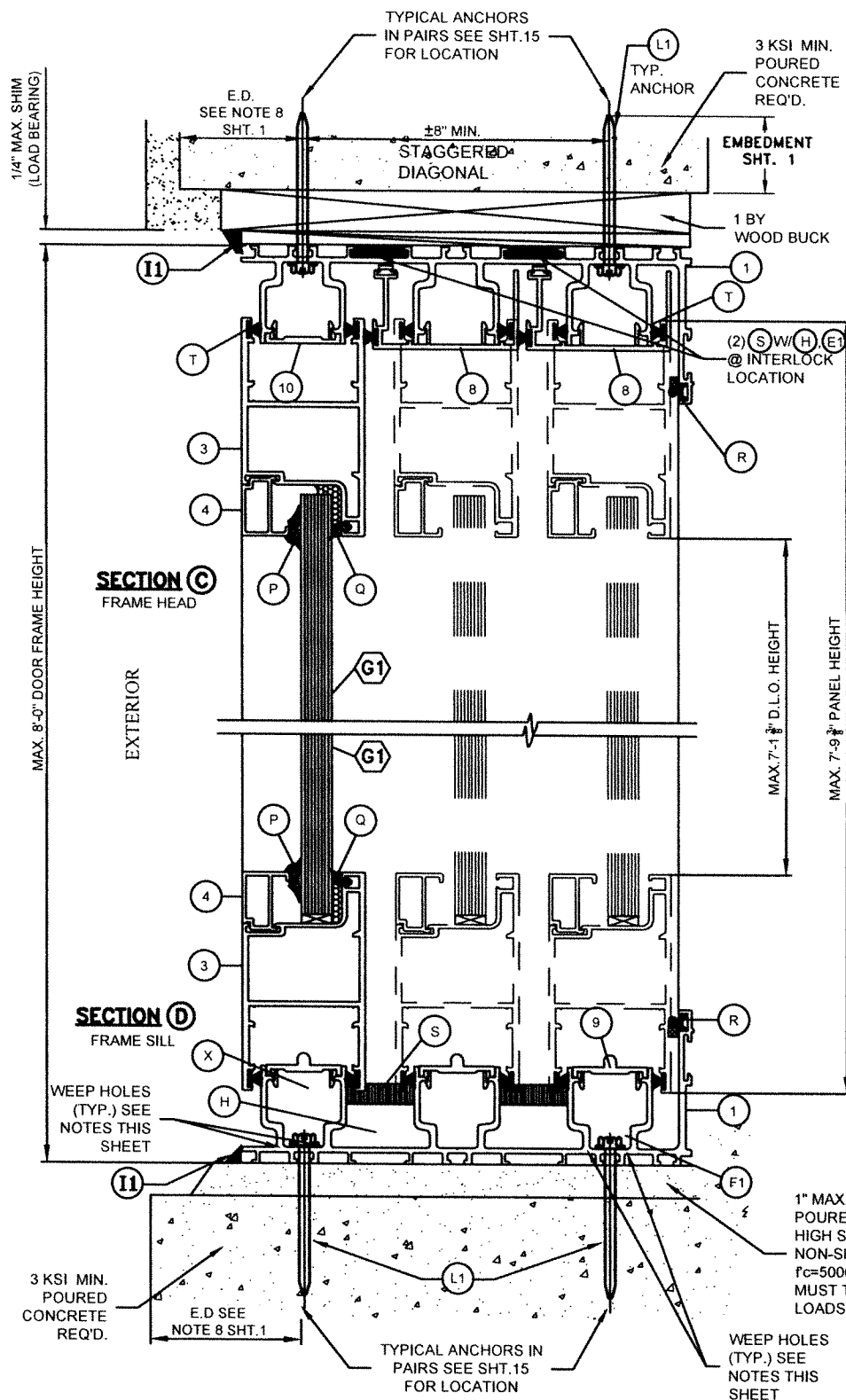
08/17/23  
DATE:

**23-188**

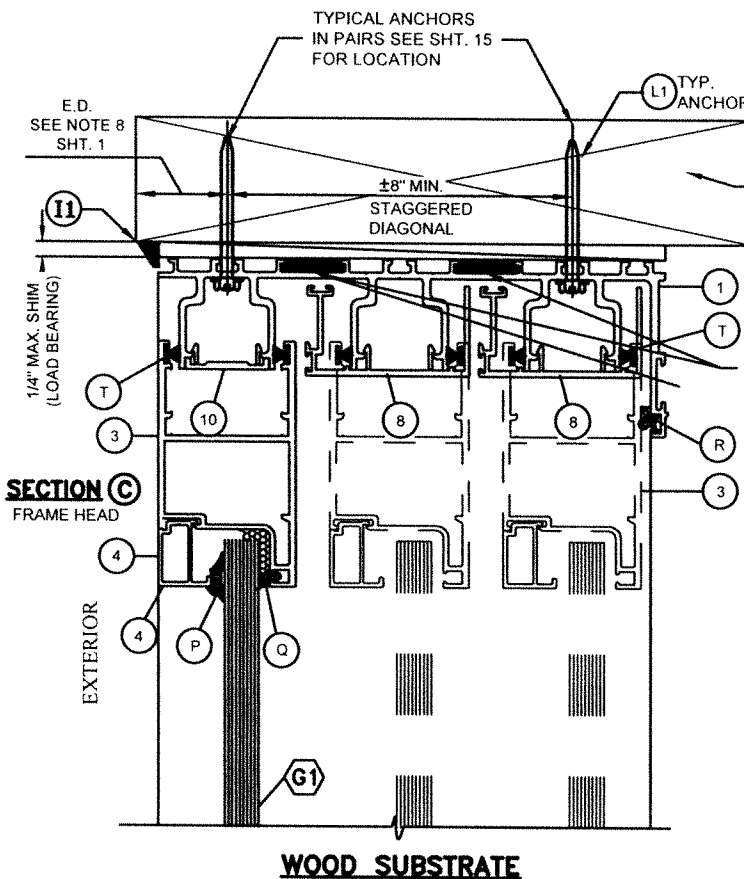
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| REV. NO | DESCRIPTION | DATE    | REV. No | DESCRIPTION | DATE |
|---------|-------------|---------|---------|-------------|------|
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| 2       | -           | -       | 4       | -           | -    |

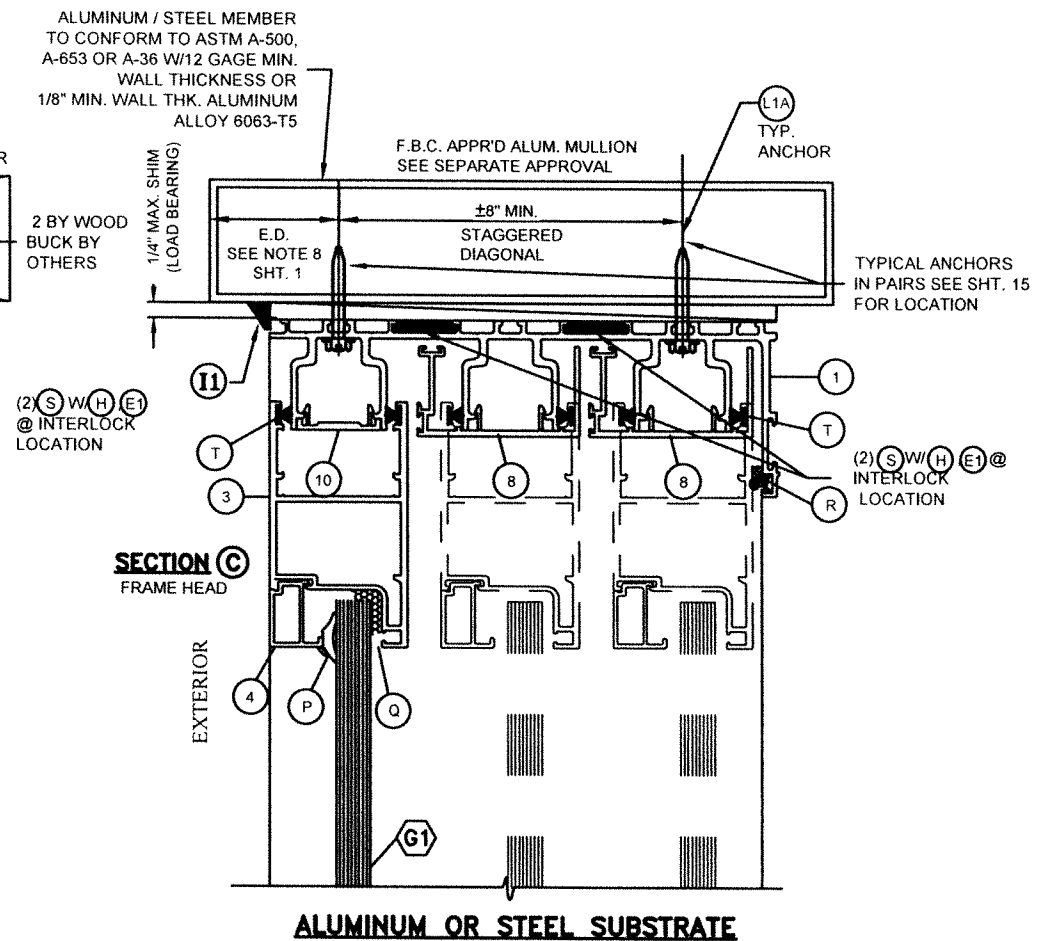
SHEET 17 OF 21



**POURED CONCRETE SUBSTRATE**



**WOOD SUBSTRATE**



**ALUMINUM OR STEEL SUBSTRATE**

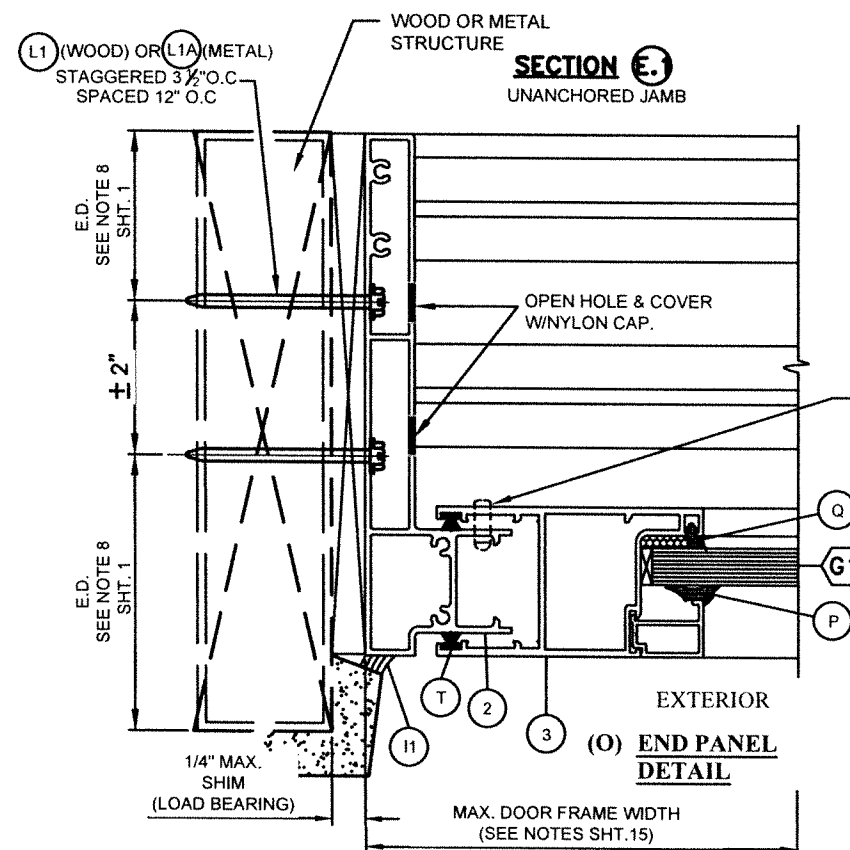
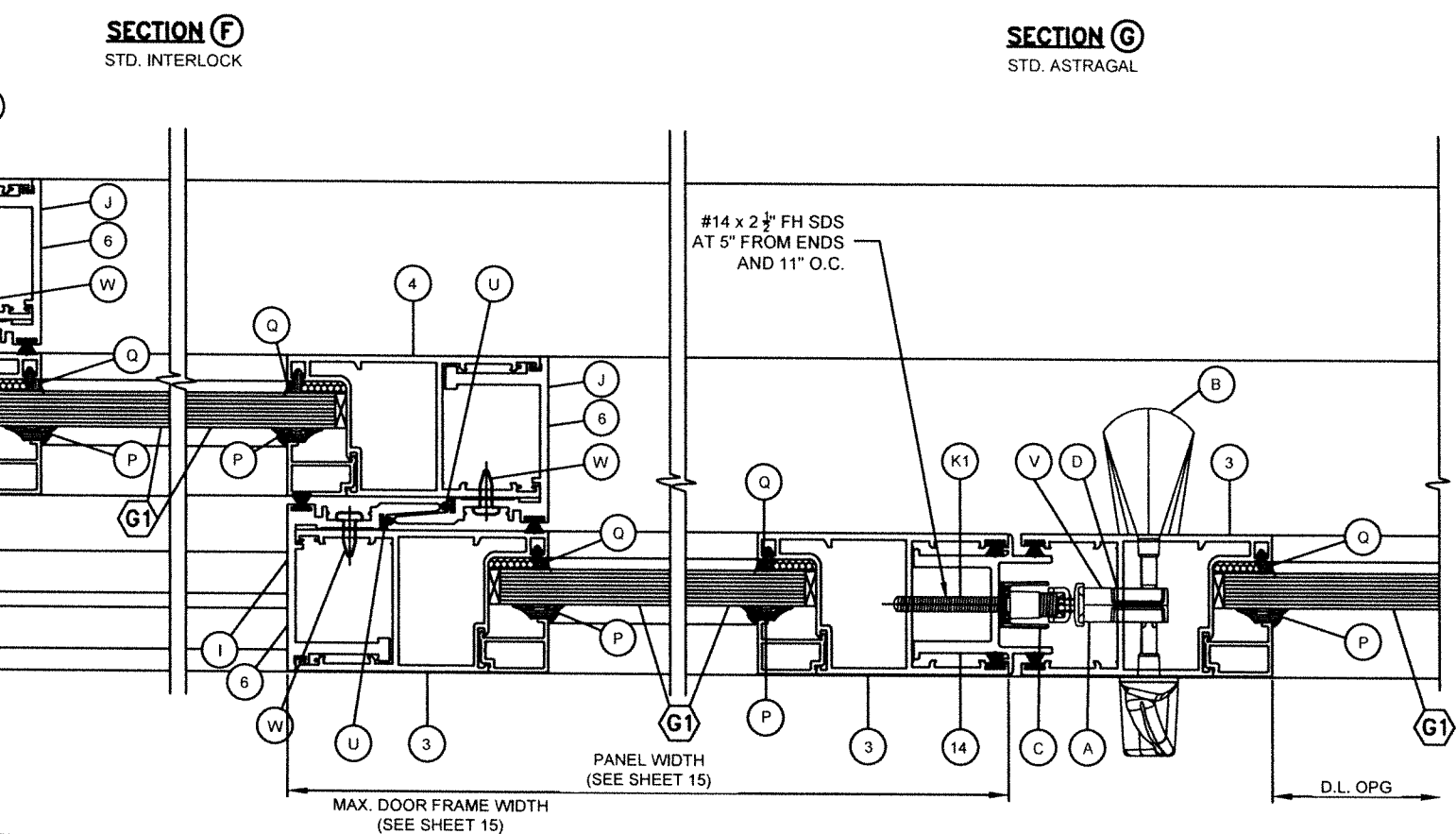
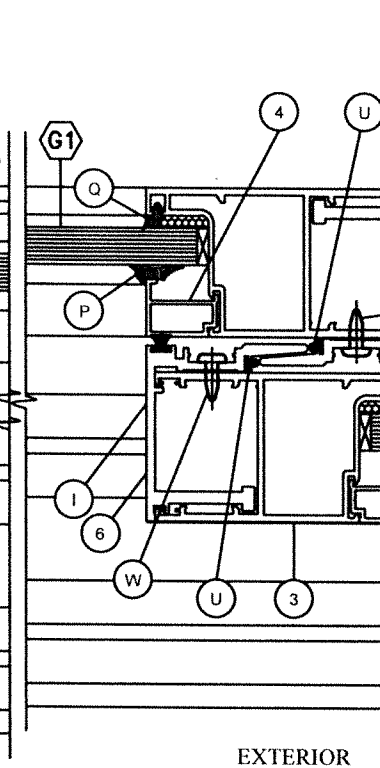
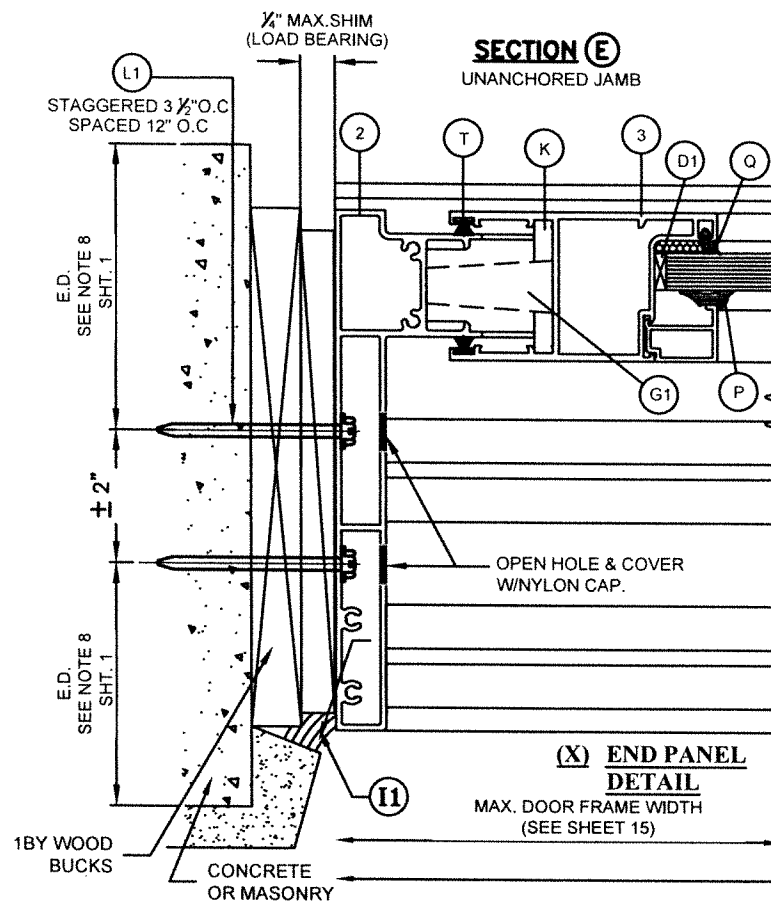
**(3TRACK) S.G.D VERTICAL SECTIONS**  
N.T.S

**NOTE 1: WEEP HOLES REQUIREMENTS**

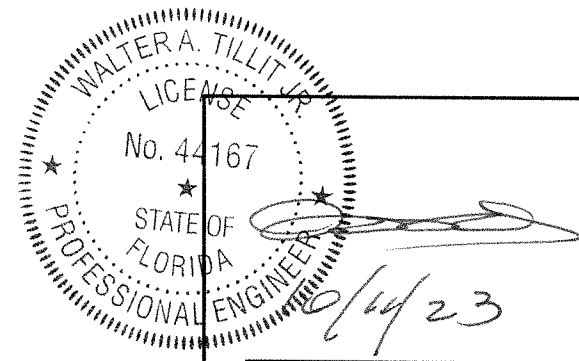
- a- WEEP HOLE SIZE: 2" LONG X 3/16" WIDE
- b- AT INTERIOR TRACK OF SILL (1): PROVIDE (2) WEEP HOLES EACH PANEL @ 32" O.C., 8" END AT EXTERIOR AND INTERIOR LEG. INTERIOR LEG W/(F1) INCLUDED.
- c- AT EXTERIOR TRACK OF SILL (1): PROVIDE (4) WEEP HOLES EACH PANEL @ 13" O.C., 4 1/2" END AT EXTERIOR & INTERIOR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

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

| FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)                                                                                                                                                                |             |         |                                                                      |             |                    |
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| TILTECO INC.                                                                                                                                                                                                        |             |         | AMERICA'S BEST WINDOWS & DOORS                                       |             | 08/17/23 DATE:     |
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| 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**



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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:

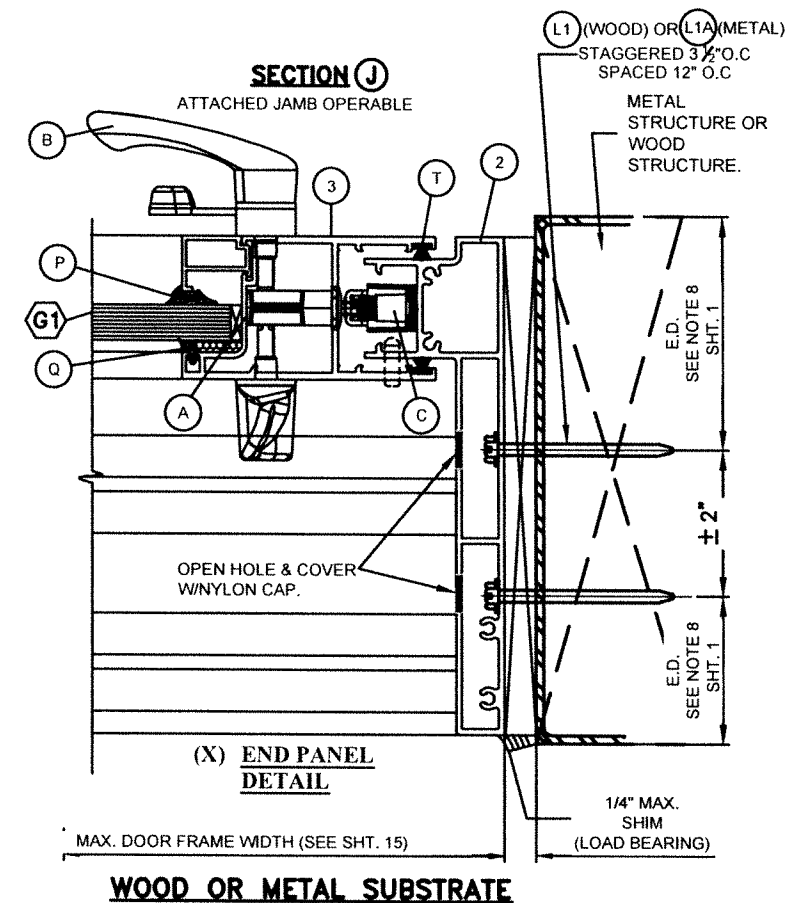
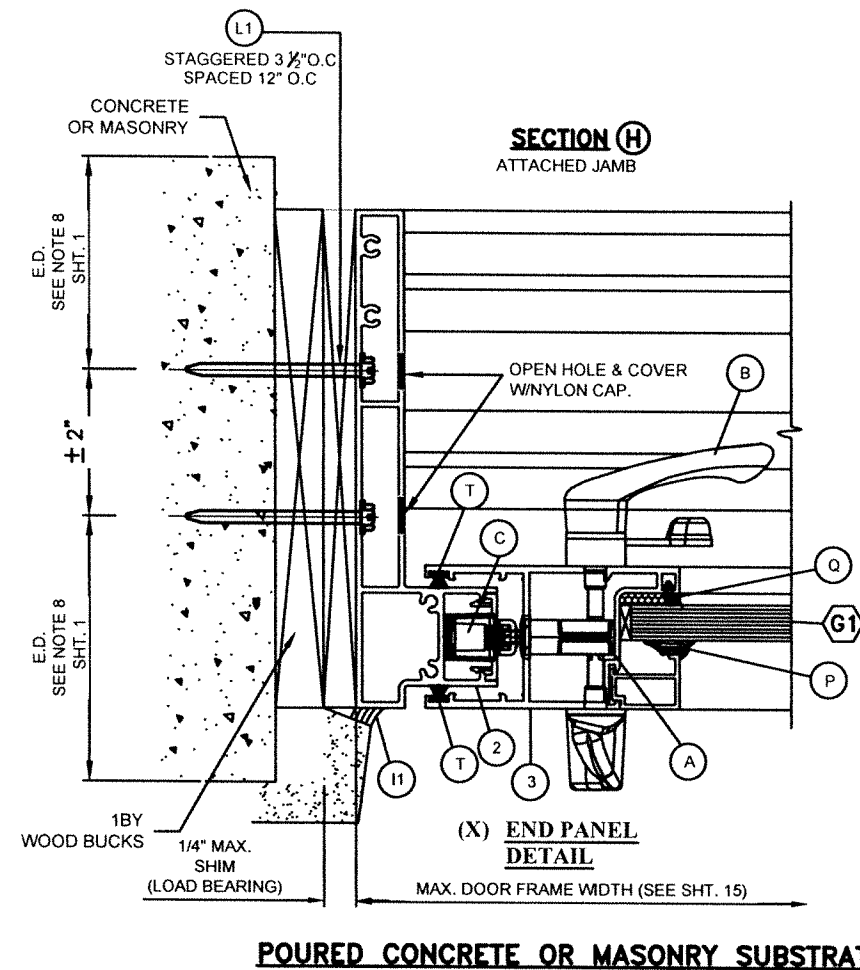
08/17/23  
DATE:

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

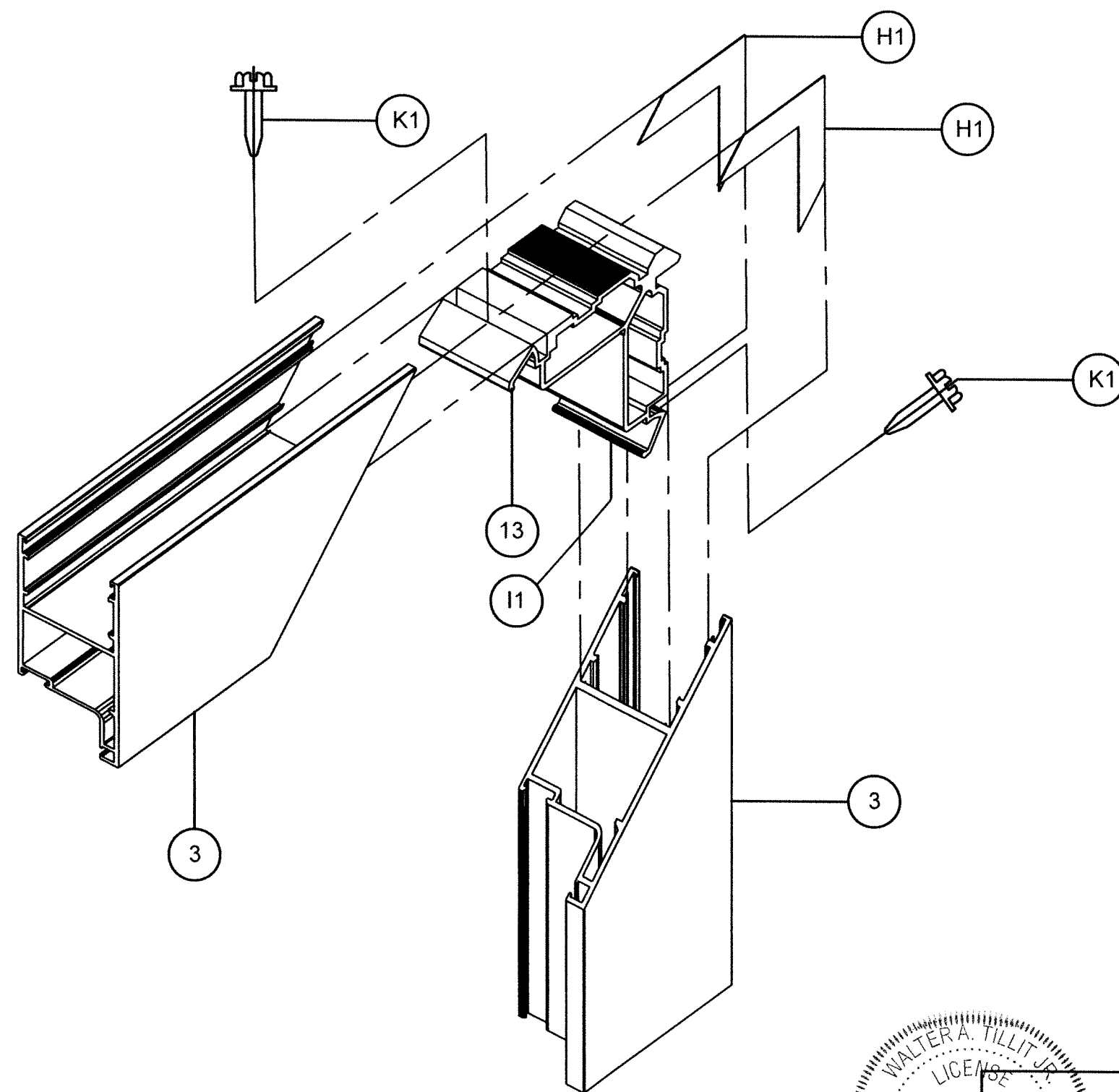
SHEET 19 OF 21



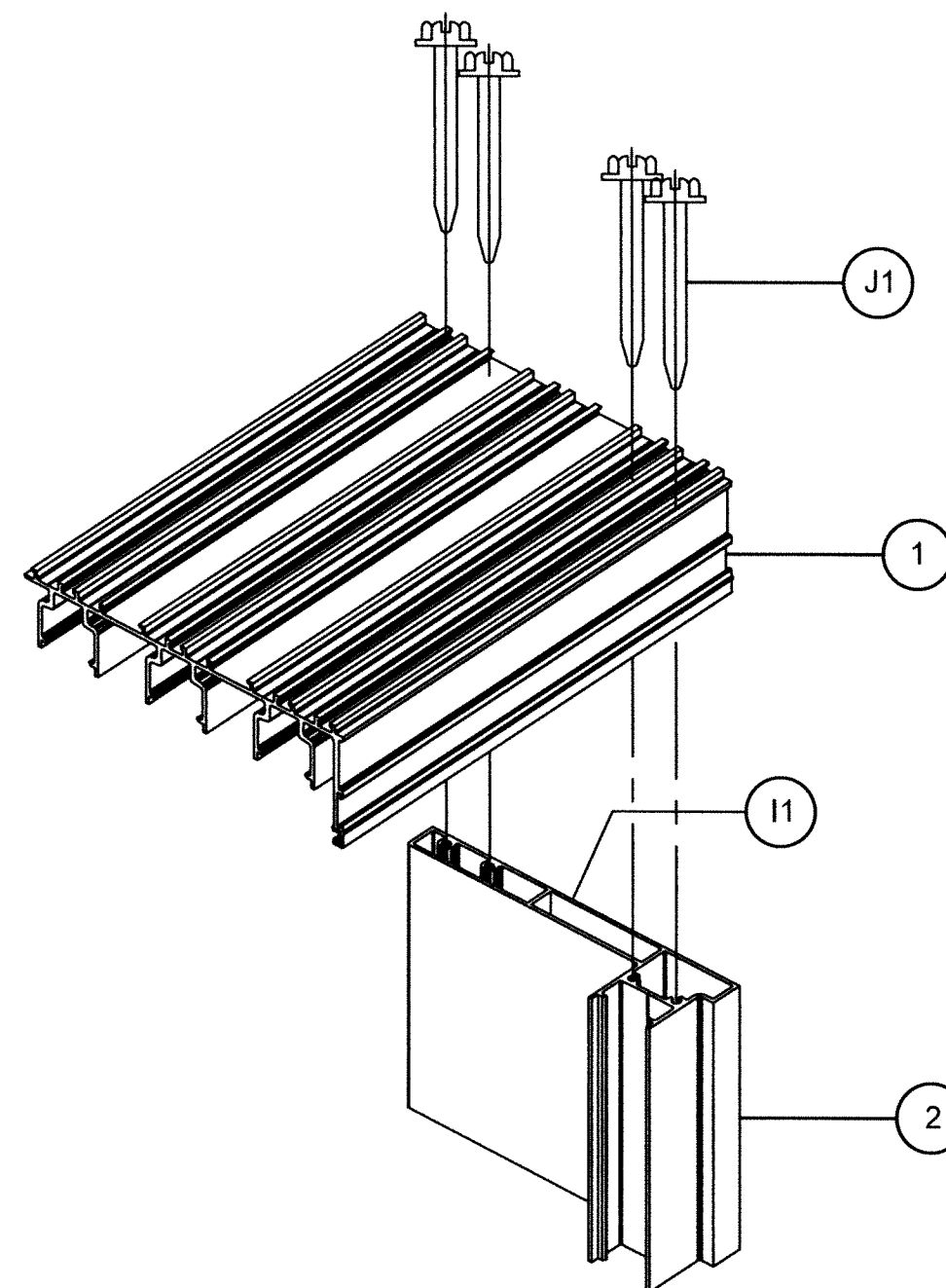
**POURED CONCRETE, MASONRY, WOOD OR METAL SUBSTRATE**  
**(3 TRACK) S.G.D HORIZONTAL SECTIONS**  
**N.T.S**

P.E. SEAL/SIGNATURE/DATE

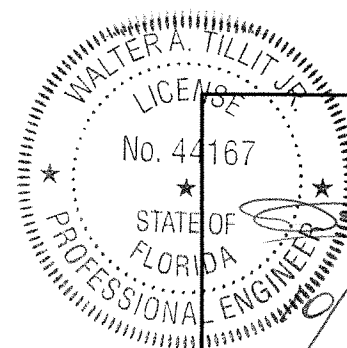
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| REV. NO                                                                                                                                                                                                                                       | DESCRIPTION | 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



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POMPANO BEACH, FL 33084  
(954) 973-1362

Y.M.  
DRAWN BY:

08/17/23  
DATE:

**23-188**

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| 1       | OLD 23-061  | 8/17/23 | 3       | -           | -    |
| 2       | -           | -       | 4       | -           | -    |

SHEET 21 OF 21