

GENERAL NOTES:

1. (2) & (3) TRACK SERIES FIW-2004-D 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 2026 (9th EDITION) OF THE FLORIDA BUILDING CODE. (2) & (3) TRACK SERIES FIW-2004-D 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, PER ANSI/AWC NDS-2024.
- 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-1300-16, 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 FOR (2) TRACK & 7 & 8 FOR (3) TRACK, 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 + 100.0, -100.0 p.s.f.
SEE DOOR ELEVATIONS ON SHEET 4 FOR (2) TRACK & AND 9 FOR (3) TRACK 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 WITH 50 ksi YIELD STRENGTH AND 90 ksi TENSILE STRENGTH & SHALL COMPLY W/ FLORIDA BUILDING CODE SECTIONS 2411.3.3.4. & 1711.
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 = 2 1/2"
(A.1) AT HEADER & SILL: 1/4"Ø ULTRACON+ OR 1/4"Ø ULTRACON SS4 W/ 1 3/4" MIN. EMBEDMENT, AS MANUFACTURED BY DEWALT. THRU 1" P.T. WOOD BUCK OR DIRECTLY TO EXISTING CONCRETE (IF 1X BUCK IS NOT NEEDED.) MIN. EDGE DISTANCE IS 3".
- (B) TO EXISTING A.S.T.M. C-90 CONCRETE BLOCK: MIN. EDGE DISTANCE = 2 1/2"
- 1/4"Ø ULTRACON+ OR 1/4"Ø ULTRACON SS4 W/ 1 1/4" MIN. EMBEDMENT, AS MANUFAC. BY DEWALT, 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 = 1"
(C.1) AT HEAD & SILL:
- 1/4"Ø ULTRACON+ OR 1/4"Ø ULTRACON SS4 W/ 1 1/2" MIN. EMBEDMENT, AS MANUFAC. BY DEWALT.
- (D) TO EXISTING MIN. 1/8" THICK ALUMINUM MEMBER (6063-T5 ALLOY): MIN. EDGE DISTANCE = 1/2".
- #1/4"- 14 S.S TEK SCREW W/ SILVER CLIMASEAL COATING OR 410 SS, 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 W/ SILVER CLIMASEAL COATING OR 410 SS, FULLY EMBEDDED PLUS 3 THREADS BEYOND, AS MANUFACTURED BY ITW BUILDEX, INC. USE ONLY AT HEAD & SILL.
- *ONLY STAINLESS STEEL ANCHORS ARE ALLOWED AT INSTALLATIONS WITHIN 300ft FROM COASTAL SHORELINE.**
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 & Non High Velocity Hurricane Zone)

DRAWN BY:
W.H

06/15/2026
DATE

26-088
DRAWING No

TWO AND THREE TRACK SERIES FIW-2004-D
ALUMINUM SLIDING GLASS DOOR (L.M.I)

MIAMI DADE ALUMINUM CORP.
1615 WEST 31 PLACE
HIALEAH, FL 33012
ph: 305-823-0099

REV. NO

1

DESCRIPTION

OLD 24-038

DATE

6/15/26

REV. NO

2

DESCRIPTION

-

DATE

-

REV. NO

4

DESCRIPTION

-

SHEET

1

OF 11

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TILTECO inc.

TILLIT TESTING & ENGINEERING COMPANY

6356 N.W. 36th St., Ste. 305, Virginia Gardens, FL 33166

Phone: (305) 871-1531 Fax: (305) 871-1531

e-mail: tilteco@aol.com

CA-0006719

WALTER A. TILLIT Jr., P.E.

FLORIDA Lic. 44167

WALTER A. TILLIT JR.

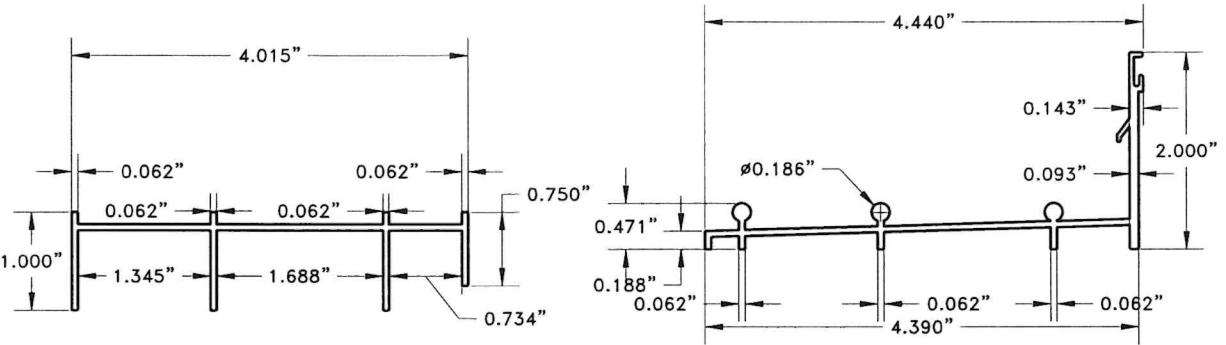
ENGINEER

NO. 44167

STATE OF FLORIDA

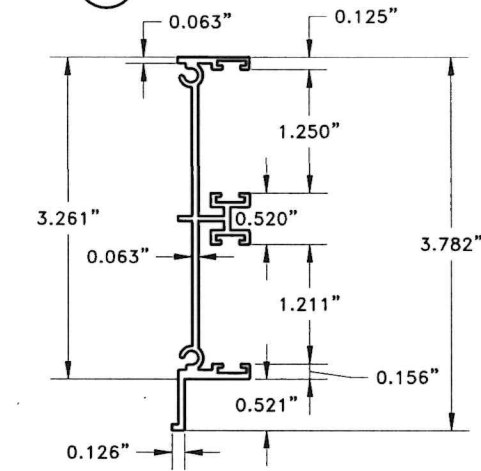
PROFESSIONAL ENGINEER SEAL/SIGNATURE/DATE

BILL OF MATERIALS FOR TWO TRACK DOOR			
COMPONENT #	DESCRIPTION	VENDOR / MANUFACTURER	MATERIAL
①	FRAME HEAD - FSP 024	-	6063-T6 ALLOY
②	FRAME SILL - FSP 043	-	6063-T6 ALLOY
③	FRAME JAMB - FSP 025	-	6063-T6 ALLOY
④	TOP AND BOTTOM RAIL - FSP 026	-	6063-T6 ALLOY
⑤	MOVING INTERLOCK/FIXED INTERLOCK - FSP 028	-	6063-T6 ALLOY
⑥	SETTING BLOCK	-	EPDM
⑦	LOCKSTILE AND JAMBSTILE - FSP 027	-	6063-T6 ALLOY
⑧	FIXED ADAPTER HEAD/SILL - FSP 032	-	6063-T6 ALLOY
⑨	FASTENER #10 x 1"PM SMS	-	-
⑩	WEATHER STRIP	-	-
⑪	TANDEM ROLLER REGULAR (SS)	-	-
⑫	FIXED PANEL SIDE STILE- FSP 031	-	6063-T6 ALLOY
⑬	FASTENER #10 x 1"PM SMS	-	-
⑭	GLAZING BULB	-	EPDM
⑮	SILL ADAPTER - FSP 030	-	6063-T6 ALLOY
⑯	STEEL BAR 5/8"x 1 3/16" x 24.5"HEIGHT -FSP 101	-	ASTM A36
⑰	SILICONE SCS2800 GE OR PECORA 898	-	-
⑱	WEATHER STRIP (INTEGRAL FIN)	-	-
⑲	VINYL BULB	-	-
⑳	FASTENER #10 x 2" PH SMS	ITW BUILDEX	W/ SILVER CLIMASEAL OR 410 SS.
22A	1/4"Ø ANCHOR FOR POURED CONCRETE CONCRETE BLOCK & WOOD	DEWALT ULTRAACON+ OR ULTRAACON SS4	SEE GENERAL NOTES ON SHEET 1
22B	1/4"Ø TEK SCREW FOR ALUMINUM OR STEEL	ITW BUILDEX	SEE GENERAL NOTES ON SHEET 1
23	FASTENER #10 x 2" PH SMS	ITW BUILDEX	W/ SILVER CLIMASEAL COATING OR 410 SS.

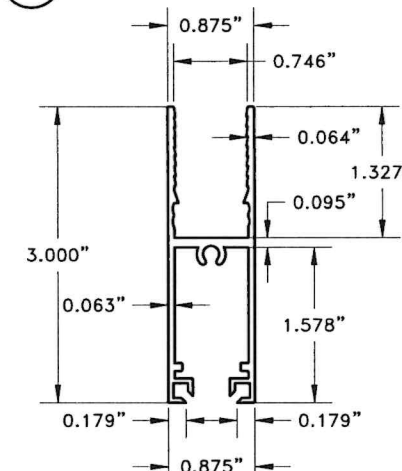


1 FRAME HEAD- FSP 024

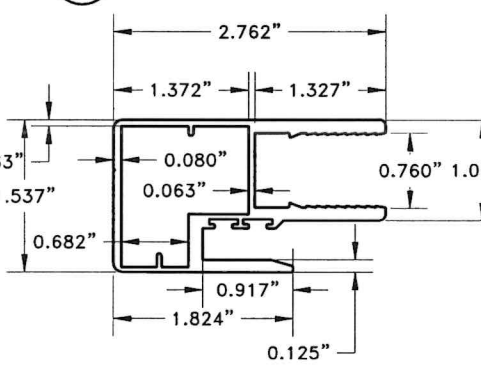
2 FRAME SILL FSP 043



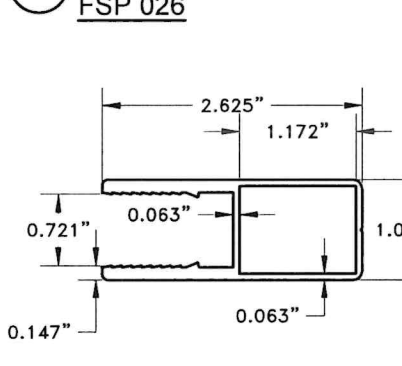
3 FRAME JAMB- FSP 025



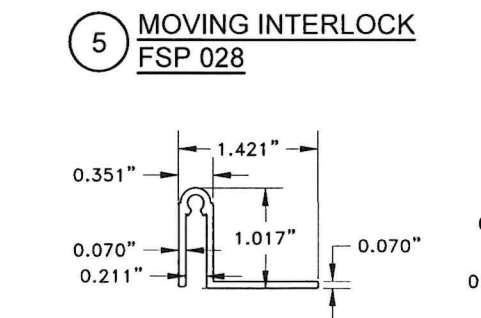
4 TOP AND BOTTOM RAIL FSP 026



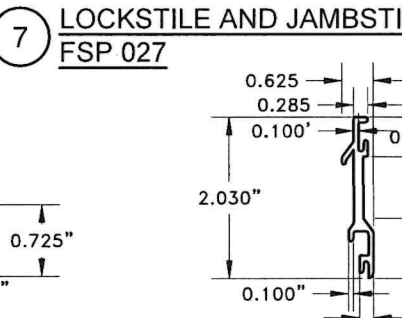
5 MOVING INTERLOCK FSP 028



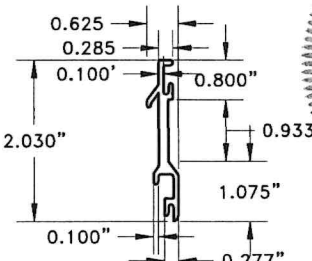
7 LOCKSTILE AND JAMBSTILE FSP 027



8 ADAPTER HEAD/SILL FSP 032



12 FIXED PANEL SIDE RAIL FSP 031



15 SILL ADAPTER FSP 030

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

FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)

TWO AND THREE TRACK SERIES FW-2004-D
ALUMINUM SLIDING GLASS DOOR (L.M.I.)

MIAMI DADE ALUMINUM CORP.
1615 WEST 31 PLACE
HIALEAH, FL 33012
ph: 305-823-0099

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th, SU. 305, VIRGINIA GARDENS, FL 33166
Phone: (305) 971-1530 Fax: (305) 971-1531
e-mail: tiltco@aol.com

WALTER A. TILLIT JR., P.E.
FLORIDA Lic. 44167

DRAWN BY: W.H

06/15/2026
DATE

26-088
DRAWING No

REV. NO

DATE

DESCRIPTION

REV. NO

DATE

DESCRIPTION

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6/15/26

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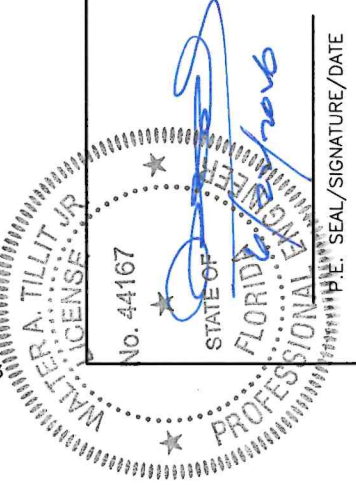
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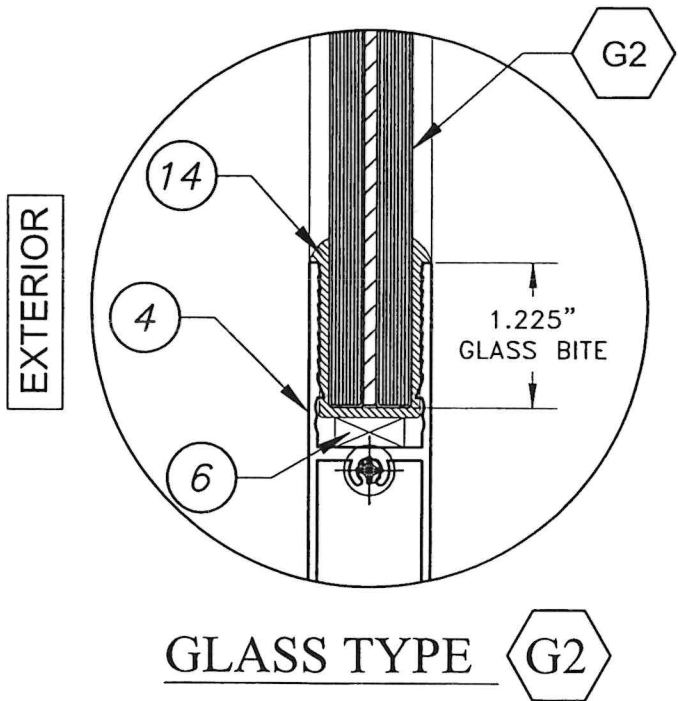
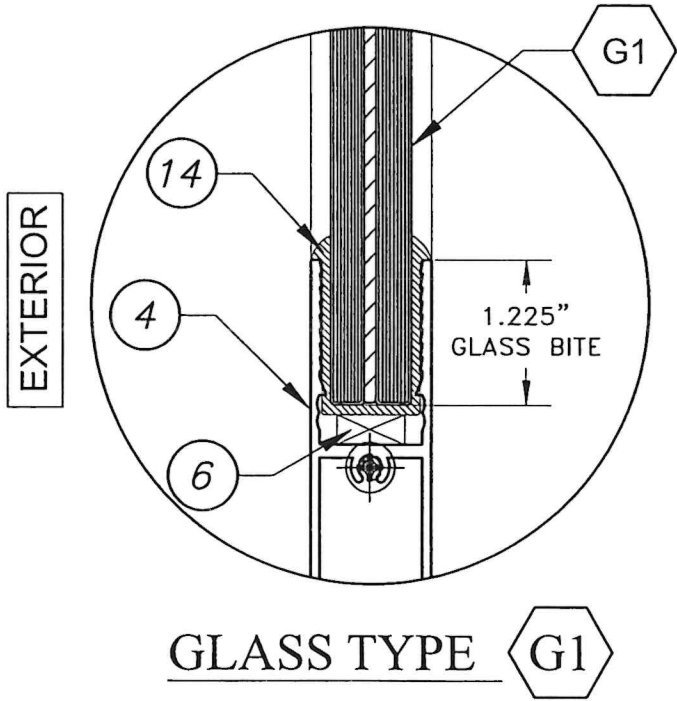
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SEAL/SIGNATURE/DATE



BILL OF MATERIALS (CONT'D) FOR TWO TRACK DOOR		
COMPONENT #	DESCRIPTION	MATERIAL
G1	0.534" OVERALL LAMINATED GLASS, 1/4" H.S + 0.090 INNER LAYER FILM, SENTRY GLASS PLUS BY KURARAY AMERICA INC.+ 1/4" H.S	GLASS
G2	0.564" OVERALL LAMINATED GLASS, 1/4" H.S + 0.120 INNER LAYER FILM, UVEKOL-LIQ. RESIN BY ALLNEX USA INC. + 1/4" H.S	GLASS



GLAZING DETAIL
SCALE: N.T.S

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TILTECO INC.
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WALTER A. TILLIT JR., P.E.
FLORIDA Lic. 44167

No. 44167

[Signature]

STATE OF FLORIDA
PROFESSIONAL ENGINEER

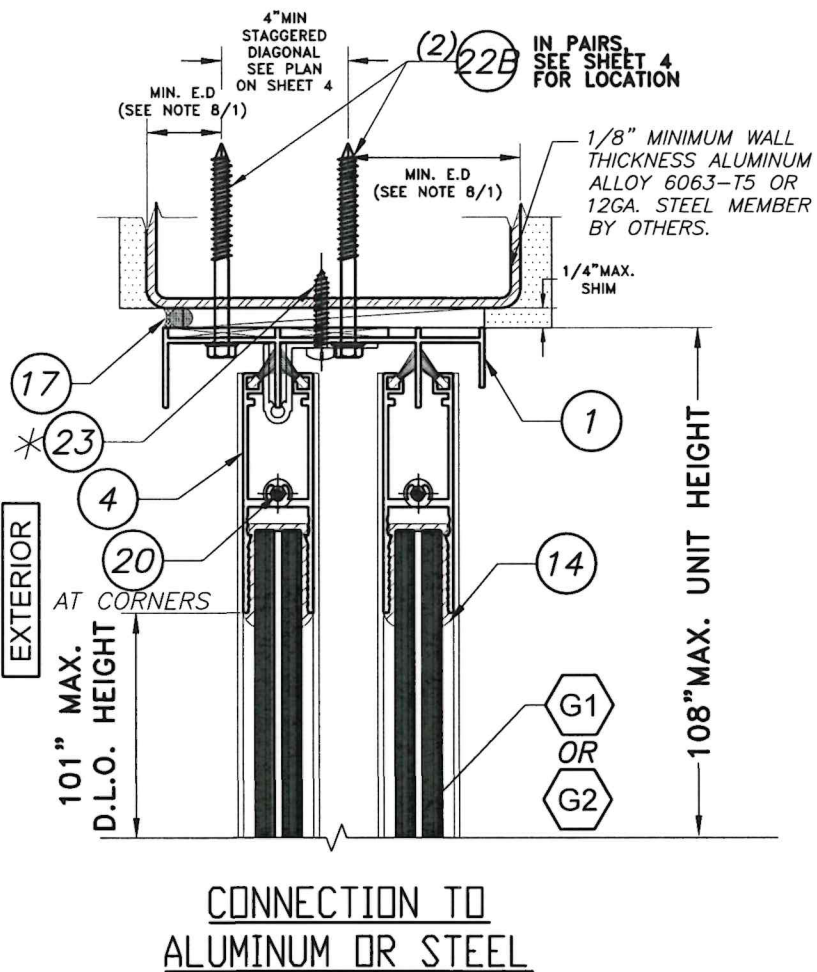
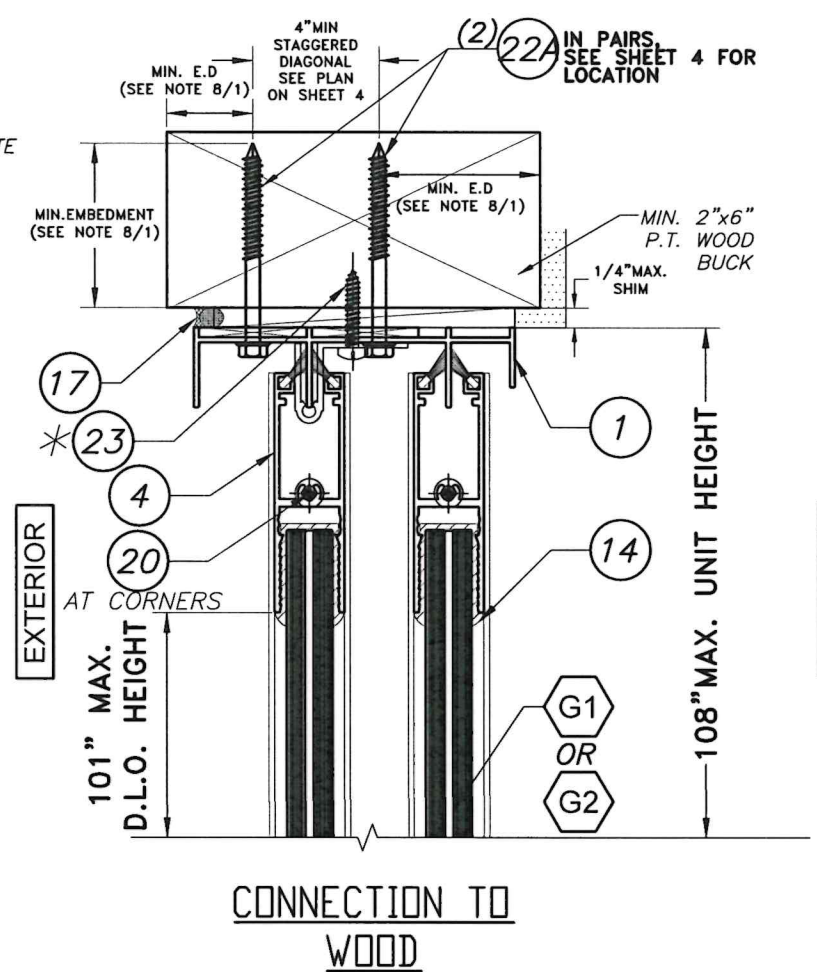
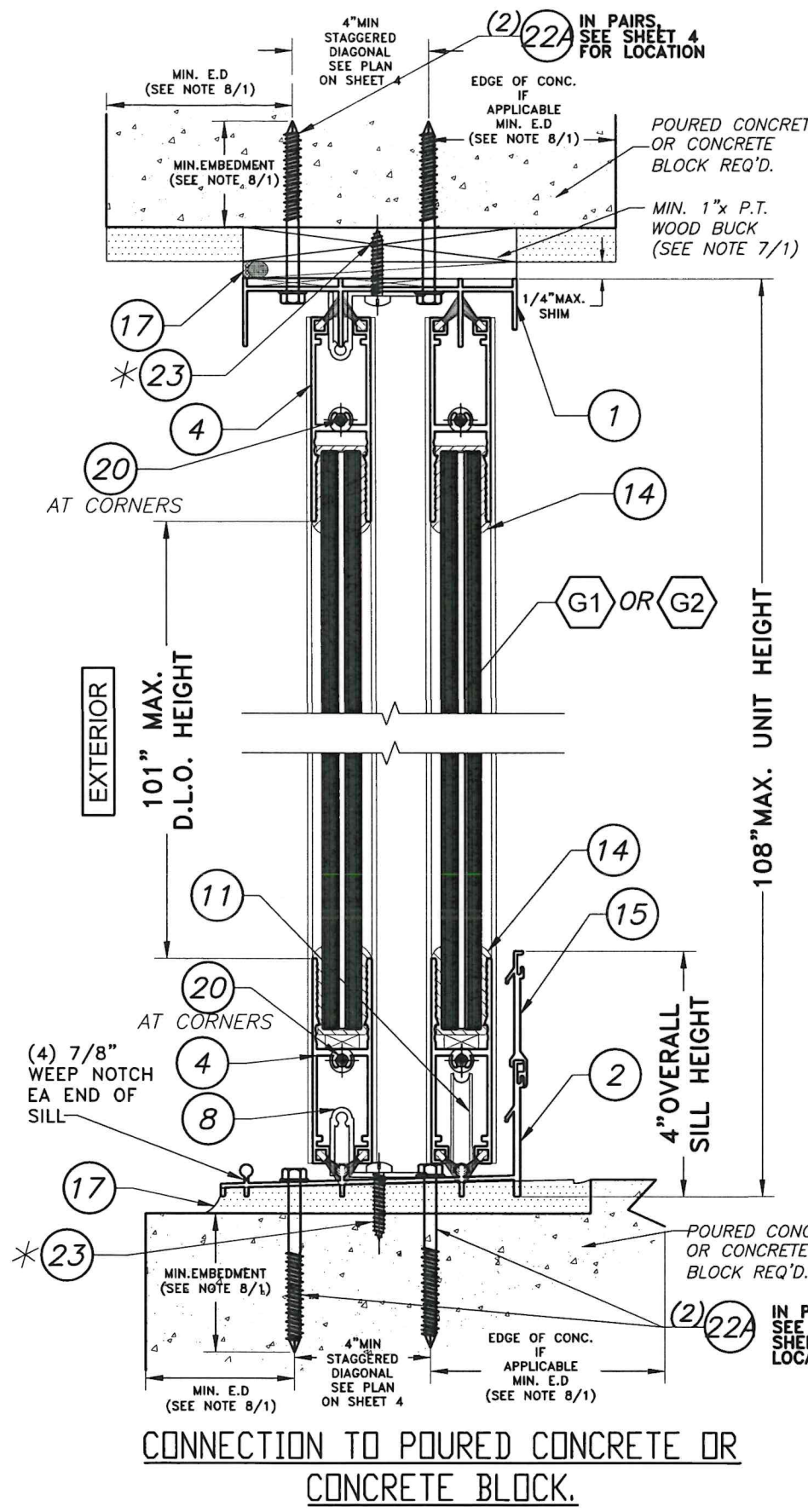
P.E. SEAL/SIGNATURE/DATE

TWO AND THREE TRACK SERIES FIW-2004-D
ALUMINUM SLIDING GLASS DOOR (L.M.I.)

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HIALEAH, FL 33012
ph: 305-823-0099

REV. NO	DESCRIPTION	DATE	REV. NO	DATE
1	OLD 21-038	6/15/26	2	-
3	-	-	4	-

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DATE: 06/15/2026
26-088
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SHEET 3 OF 11



**SECTION A-A
FOR TWO TRACK**
SCALE: N.T.S

* (6) (23) AT 3" MAX. FROM JAMBSTILE AND AT EQUAL SPACES CENTER TO CENTER

FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)

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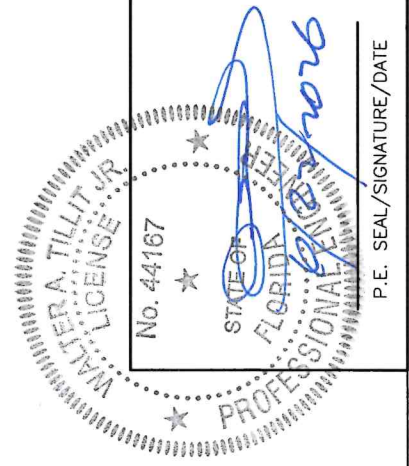
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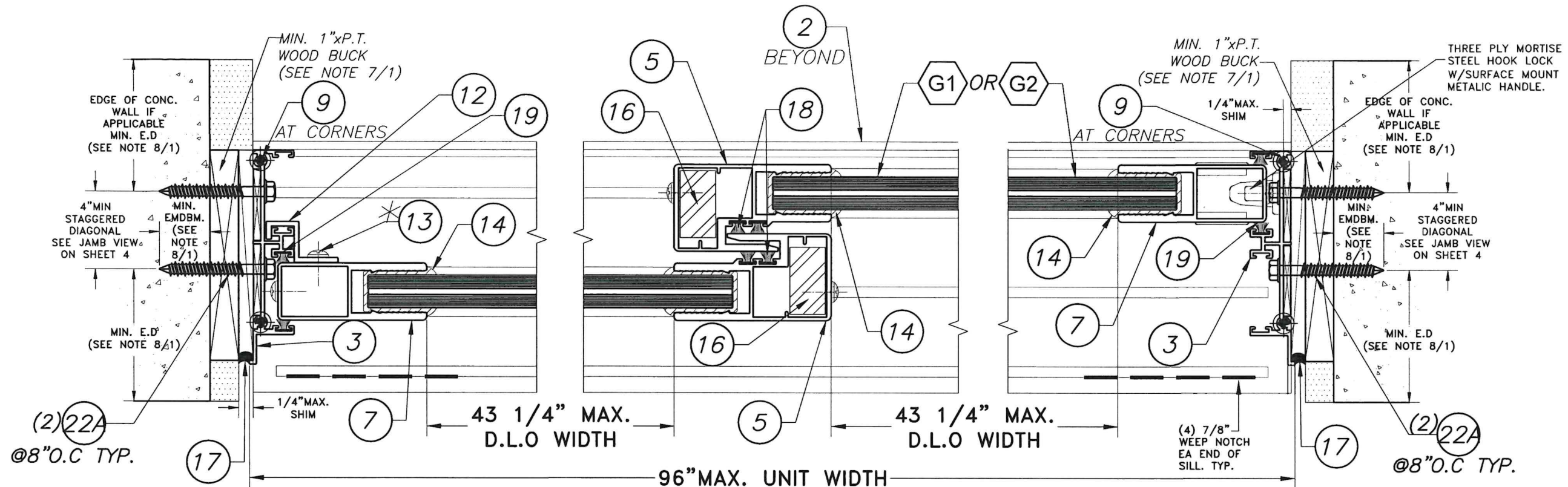
MIAMI DADE ALUMINUM CORP.
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**TWO AND THREE TRACK SERIES FW-2004-D
ALUMINUM SLIDING GLASS DOOR (L.M.I.)**

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26-088
DRAWING No
SHEET 5 OF 11

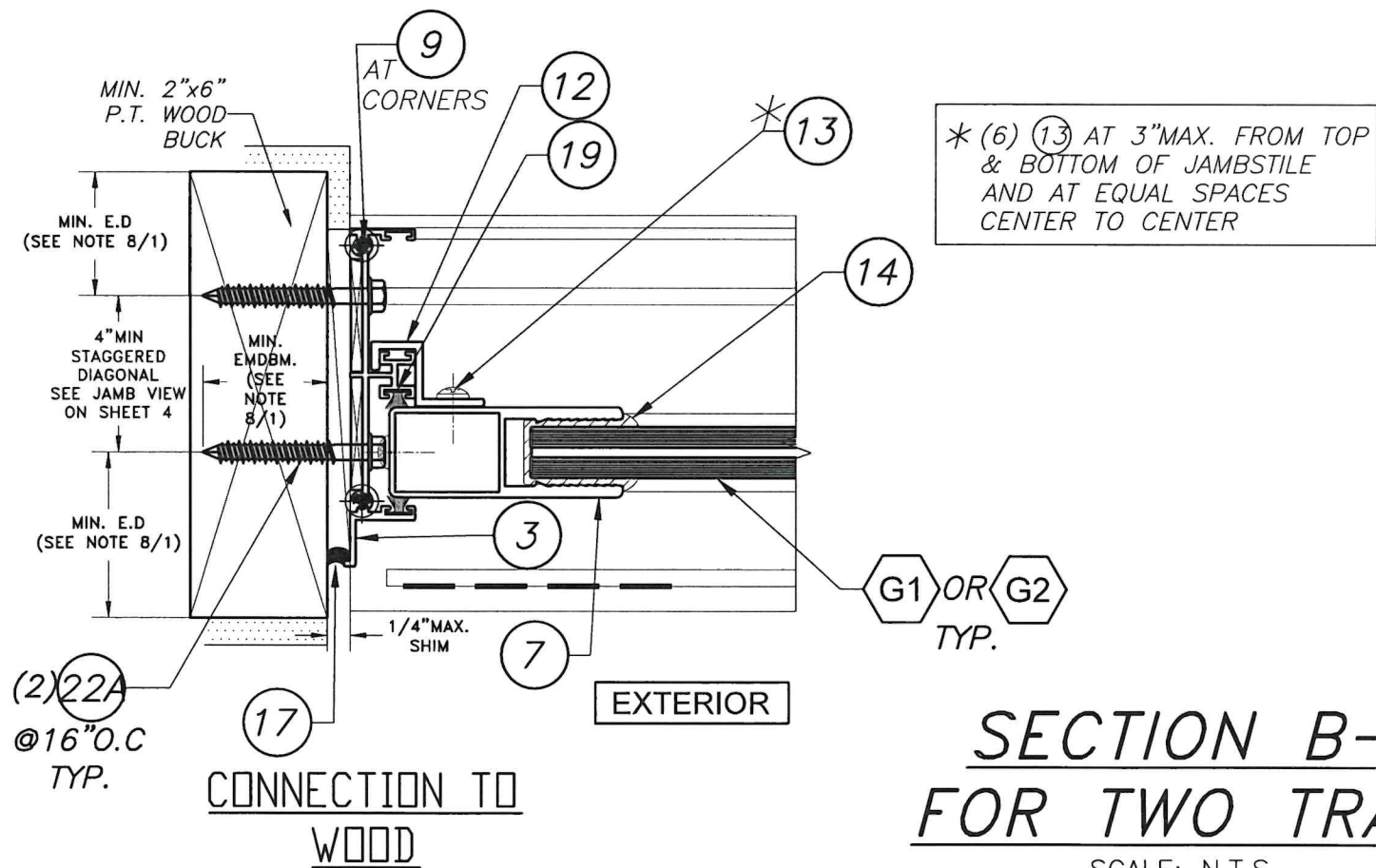
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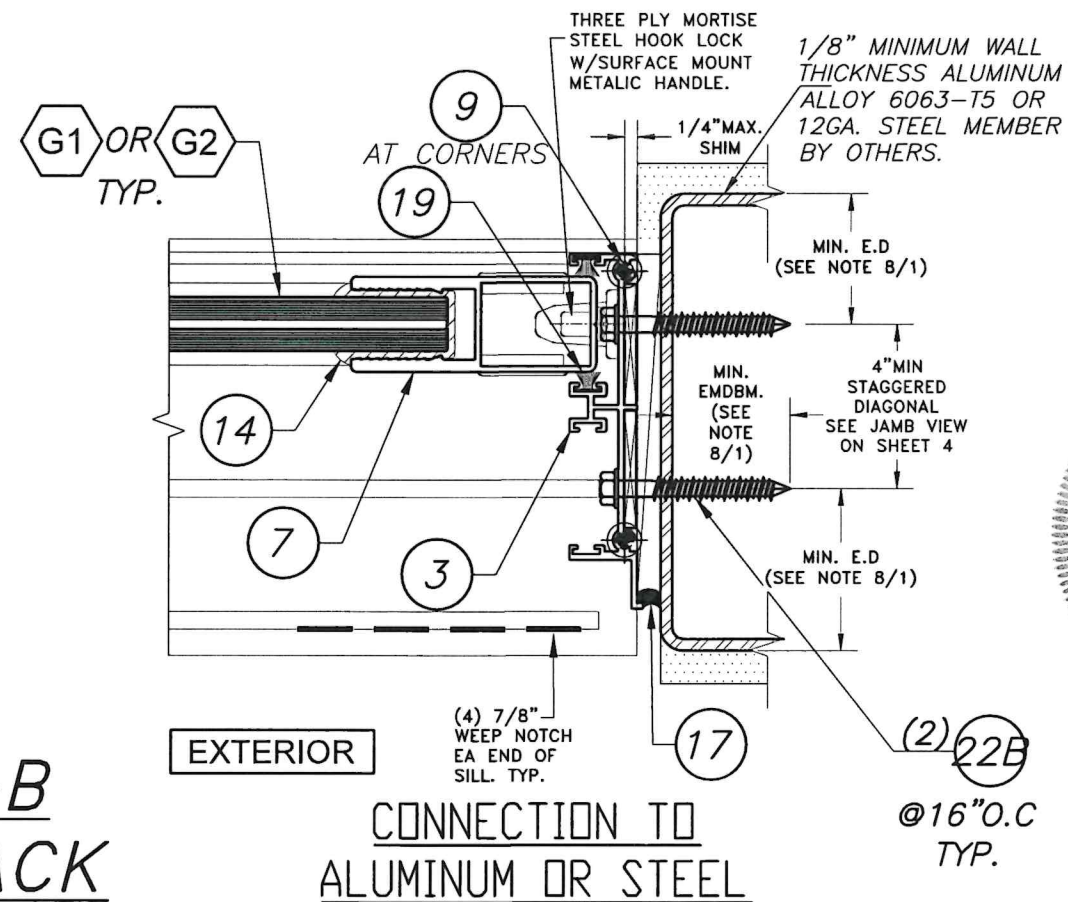
CONNECTION TO POURED CONCRETE OR CONCRETE BLOCK.

CONNECTION TO POURED CONCRETE OR CONCRETE BLOCK.



SECTION B-B FOR TWO TRACK

SCALE: N.T.S.



FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)

TWO AND THREE TRACK SERIES FIW-2004-D ALUMINUM SLIDING GLASS DOOR (L.M.I.)

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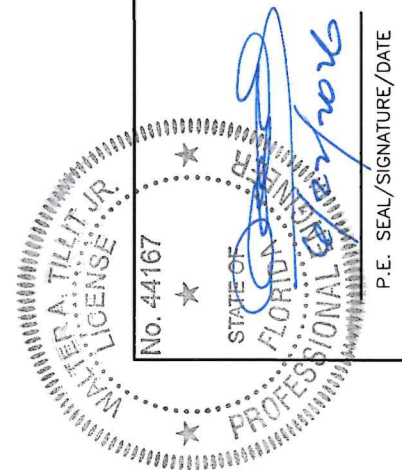
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3			4		

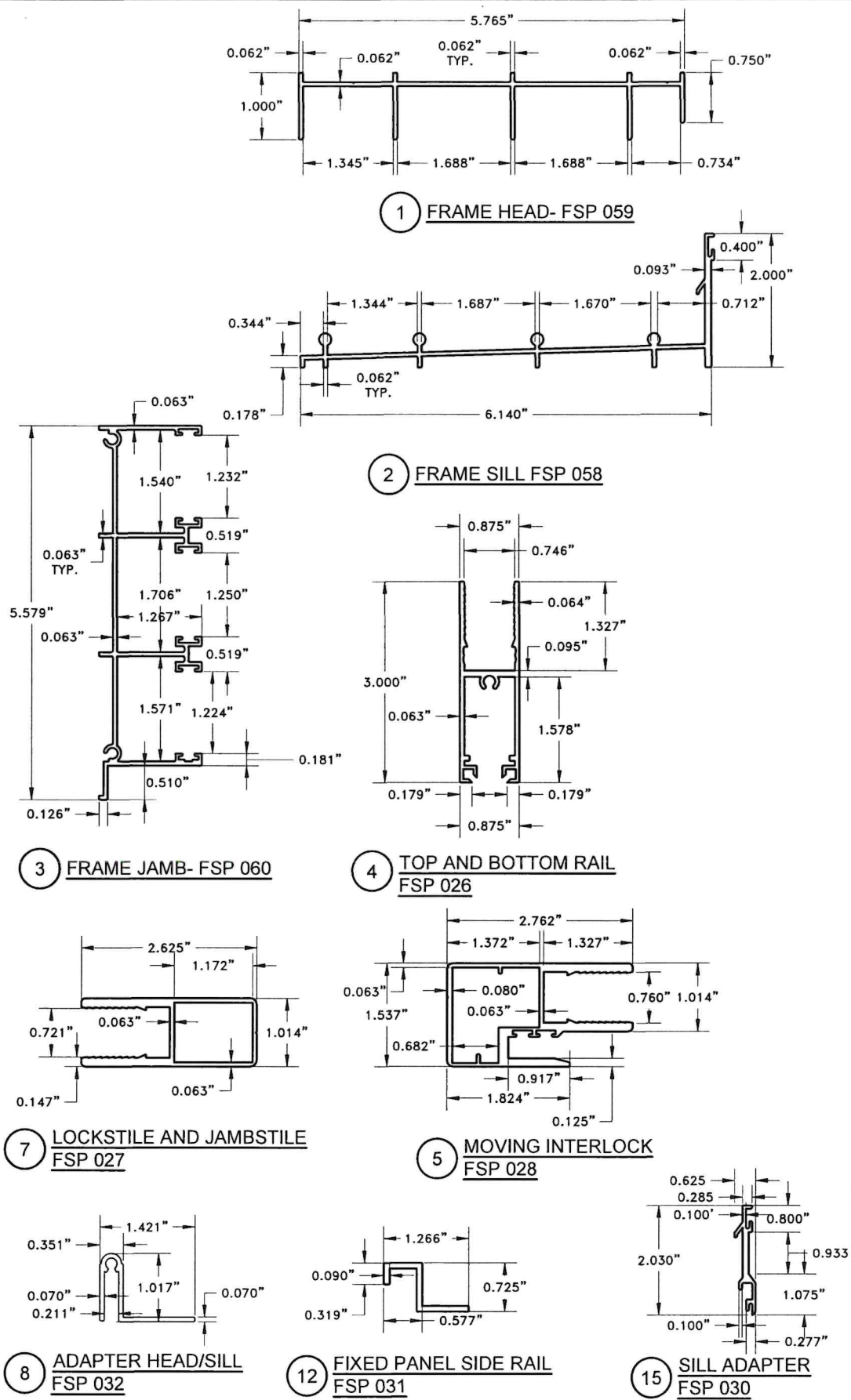
DATE
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P.E. SEAL/SIGNATURE/DATE



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CA-0006719
WALTER A. TILLIT JR., P.E.
FLORIDA Lic. 44167

BILL OF MATERIALS FOR THREE TRACK DOOR			
COMPONENT #	DESCRIPTION	VENDOR / MANUFACTURER	MATERIAL
①	FRAME HEAD - FSP 059	-	6063-T6 ALLOY
②	FRAME SILL - FSP 058	-	6063-T6 ALLOY
③	FRAME JAMB - FSP 060	-	6063-T6 ALLOY
④	TOP AND BOTTOM RAIL - FSP 026	-	6063-T6 ALLOY
⑤	MOVING INTERLOCK/FIXED INTERLOCK - FSP 028	-	6063-T6 ALLOY
⑥	SETTING BLOCK	-	EPDM
⑦	LOCKSTILE AND JAMBSTILE- FSP 027	-	6063-T6 ALLOY
⑧	FIXED ADAPTER HEAD/SILL - FSP 032	-	6063-T6 ALLOY
⑨	FASTENER #10 x 1"PM SMS	-	-
⑩	WEATHER STRIP	-	-
⑪	TANDEM ROLLER REGULAR (SS)	-	-
⑫	FIXED PANEL SIDE STILE- FSP 031	-	6063-T6 ALLOY
⑬	FASTENER #10 x 1"PM SMS	-	-
⑭	GLAZING BULB	-	EPDM
⑮	SILL ADAPTER - FSP 030	-	6063-T6 ALLOY
⑯	STEEL BAR 5/8"x 1 3/16" x 24.5"HEIGHT -FSP 101	-	ASTM A36
⑰	SILICONE SCS2800 GE OR PECORA 898	-	-
⑱	WEATHER STRIP (INTEGRAL FIN)	-	-
⑲	VINYL BULB	-	-
⑳	FASTENER #10 x 2" PH SMS	ITW BUILDEX	W/ SILVER CLIMASEAL OR 410 SS.
22A	1/4"Ø ANCHOR FOR POURED CONCRETE CONCRETE BLOCK & WOOD	DEWALT ULTRACON+ OR ULTRACON SS4.	SEE GENERAL NOTES ON SHEET 1
22B	1/4"Ø TEK SCREW FOR ALUMINUM OR STEEL	ITW BUILDEX	SEE GENERAL NOTES ON SHEET 1
23	FASTENER #10 x 2" PH SMS	ITW BUILDEX	W/ SILVER CLIMASEAL COATING OR 410 SS.



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

FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)

TWO AND THREE TRACK SERIES FW-2004-D

ALUMINUM SLIDING GLASS DOOR (L.M.I.)

MIAMI DADE ALUMINUM CORP.

1615 WEST 31 PLACE

HIALEAH, FL 33012

ph: 305-823-0099

DRAWN BY: W.H

DATE: 06/15/2026

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SHEET 7 OF 11

TILTECO inc.

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STATE OF FLORIDA

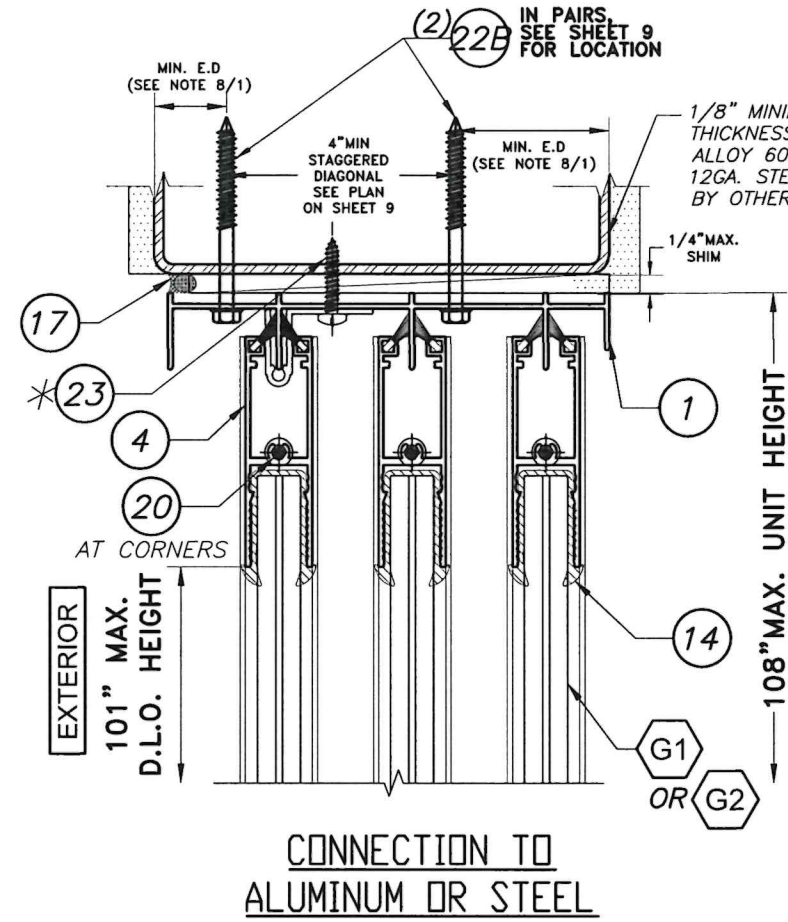
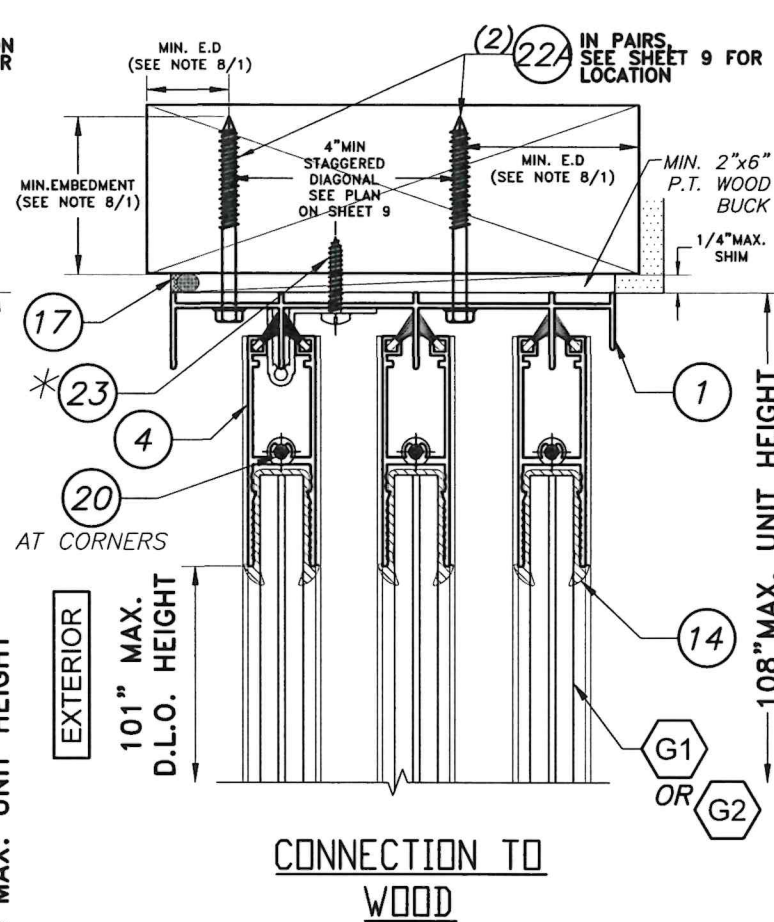
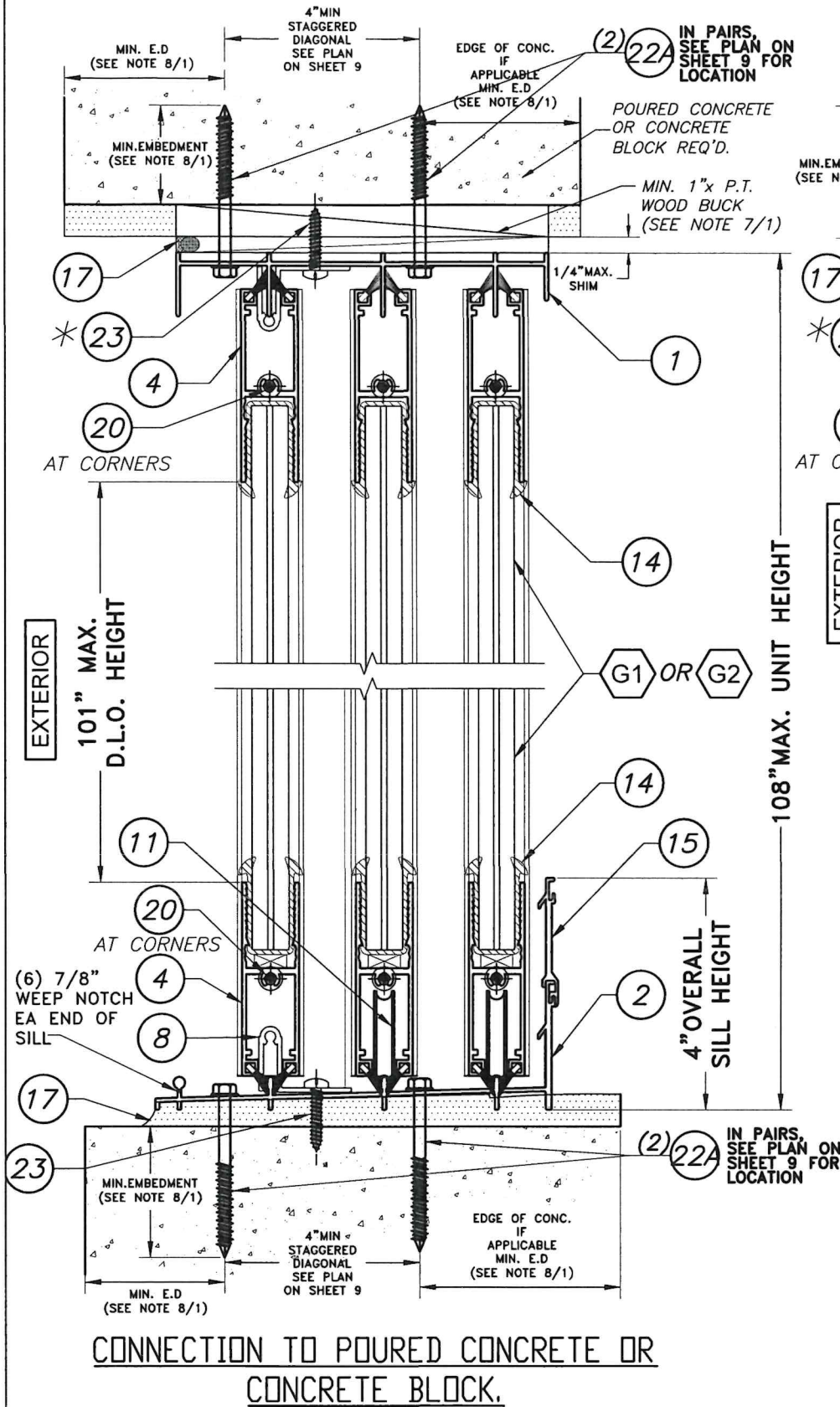
PROFESSIONAL ENGINEER

WALTER A. TILLIT JR.

LICENSE

P.E. SEAL/SIGNATURE/DATE

P.E. SEAL/SIGNATURE/DATE



SECTION A-A FOR THREE TRACK

SCALE: N.T.S

* (6) 23 AT 3" MAX. FROM JAMBSTILE AND AT EQUAL SPACES CENTER TO CENTER

FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)

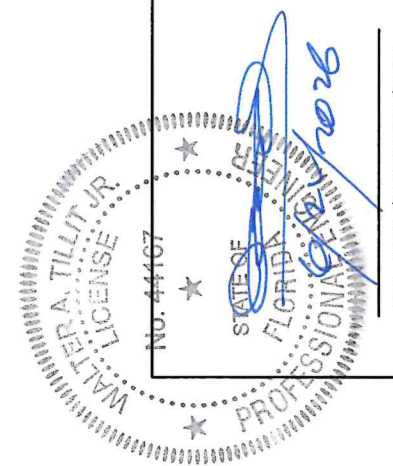
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ALUMINUM SLIDING GLASS DOOR (L.M.I.)

MIAMI DADE ALUMINUM CORP.

1615 WEST 31 PLACE
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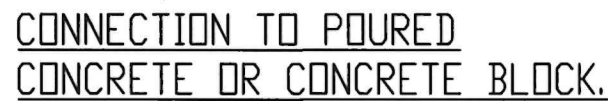
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