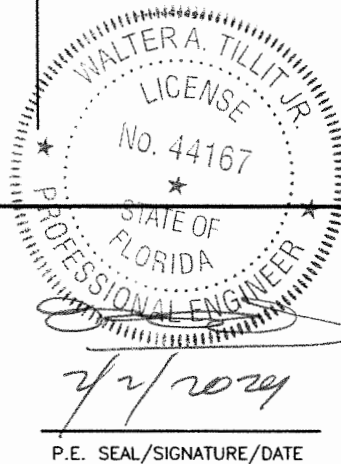


GENERAL NOTES:

1. SERIES FIP -2004 -RW ALUMINUM HORIZONTAL SLIDING WINDOW -L.M.I., 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**. SERIES FIP -2004 -RW ALUMINUM HORIZONTAL SLIDING WINDOW -L.M.I., MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES. (H.V.H.Z.) OR 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 2 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 2 BELOW.
- IN ORDER TO VERIFY THAT ANCHORS ON THIS P.E.D., AS TESTED, WERE NOT OVER STRESSED, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS **NOT** USED IN THEIR ANALYSIS. ANCHOR'S SPACING TO WOOD HAS BEEN DETERMINED IN ACCORDANCE WITH N.D.S. 2018.
- THIS WINDOW'S ADEQUACY FOR IMPACT AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTIONS 1626 AND 1609.1.2 OF THE ABOVE MENTIONED CODE AS PER PROTOCOLS TAS-201, TAS-202, TAS-203, PER FENESTRATION TESTING LABORATORY REPORT # 3959 AND AS PER SUBMITTED STRUCTURAL CALCULATIONS, PERFORMED AS PER SECTIONS 1616 AND 1604 OF THE FLORIDA BUILDING CODE. GLASS HAS BEEN VERIFIED PER ASTM E-1300, PER SECTION 2404.1 OF THE FLORIDA BUILDING CODE.
2. **MAXIMUM A.S.D. DESIGN PRESSURE RATINGS AND MAXIMUM ANCHOR SPACING FOR THIS PRODUCT SHALL BE AS SHOWN ON SHEETS 4 & 5.**
3. **THIS SERIES FIP-2004-RW ALUMINUM HORIZONTAL SLIDING WINDOW -L.M.I., WILL NOT REQUIRE A HURRICANE PROTECTION DEVICE.**
4. **THIS SERIES FIP-2004-RW ALUMINUM HORIZONTAL SLIDING WINDOW -L.M.I., IS APPROVED FOR AIR AND WATER INFILTRATION.**
5. SERIES FIP -2004 -RW ALUMINUM HORIZONTAL SLIDING WINDOW -L.M.I., SHALL COMPLY WITH SECTION 2406 OF THE FLORIDA BUILDING CODE.
6. ALL ALUMINUM EXTRUSIONS IN CONTACT WITH DISSIMILAR MATERIALS SHALL COMPLY WITH SECTION III-6 OF THE 2020 ALUMINUM DESIGN MANUAL.
7. ALL SCREWS USED FOR ASSEMBLY CONNECTIONS (METAL TO METAL) TO BE STAINLESS STEEL 304 OR 316 AISI SERIES OR CORROSION RESISTANT COATED CARBON STEEL AS PER DIN 50018 AND SECTION 2411.3.3.4 OF THE FLORIDA BUILDING CODE WITH 50 ksi YIELD STRENGTH AND 90 ksi TENSILE STRENGTH.
8. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE BUILDING STRUCTURE. WOOD BUCKS MUST BE SOUTHERN PINE WITH G = 0.55, AND SHALL COMPLY WITH SECTIONS 2411.3.3.3 AND 2411.3.3.4 OF THE FLORIDA BUILDING CODE.
- (8.1) 2X WOOD BUCKS MUST BE PROPERLY ANCHORED TO EXISTING STRUCTURE TO TRANSFER LOADS TO IT. ANCHORAGE IS INDEPENDENT OF WINDOW FRAME ANCHORAGE. DOOR FRAME MUST BE SEPARATELY ANCHORED TO 2X WOOD BUCK FOLLOWING DETAILS ON THIS DRAWING.
- (8.2.) 1X WOOD BUCK (OR ANY WOOD BUCK LESS THAN 2X) MUST BE PROPERLY ANCHORED TO EXISTING STRUCTURE TO TRANSFER LOADS TO IT. WINDOW FRAME ANCHOR SHALL BE USE TO ATTACH 1X WOOD BUCK TO EXISTING STRUCTURE BY DRIVING ANCHOR THRU BOTH WINDOW FRAME & 1X WOOD BUCK INTO EXISTING STRUCTURE W/PROPER EMBEDMENT AND EDGE DISTANCE AS SHOWN ON THIS DRAWING.
- (8.3.) WINDOW FRAME MAY BE DIRECTLY CONNECTED TO EXISTING STRUCTURE WITH NO NEED OF WOOD BUCKS WHEN MASONRY OPENING IS NOT LARGER THAN ACTUAL WINDOW OVERALL DIMENSIONS. HOWEVER, SHIMS (SEE NOTE 10) MAY BE ALLOWED AT WINDOW FRAME ANCHOR LOCATION IF NEEDED.

9. **ANCHOR NOTES:** EMBEDMENT AND EDGE DISTANCE ARE BEYOND ANY FINISH.
- (A) TO EXISTING POURED CONCRETE: (MIN. f'c = 3192 PSI), MIN. EDGE DISTANCE (E.D.) = 2".
- 1/4"Ø TAPCON ANCHORS 1 1/4" MIN. EMBEDMENT, AS MANUFACTURED BY ITW BUILDEX, INC. (COMPONENT 26), THRU 1" P.T. WOOD BUCK.
- (B) TO EXISTING A.S.T.M. C-90 CONCRETE BLOCK WALL. MIN. EDGE DISTANCE (E.D.) = 2".
- 1/4"Ø TAPCON ANCHORS W/ 1 1/4" MIN. EMBEDMENT, AS MANUFACTURED BY ITW BUILDEX, INC. (COMPONENT 26), THRU 1" P.T. WOOD BUCK.
- (C) TO EXISTING 2x P.T. WOOD BUCK. MIN. EDGE DISTANCE (E.D.) = 1".
- 1/4"Ø-20 HILTI KWIK FLEX SELF- DRILLING SCREW W/ 1 1/2"MIN. PENETRATION. (COMPONENT 26A).
- (D) TO EXISTING MIN. 1/8" THICK ALUMINUM MULLION (6063-T5 ALLOY), MIN. EDGE DISTANCE (E.D.) = 3/4".
- 1/4"Ø-20 HILTI KWIK FLEX SELF- DRILLING SCREW (COMPONENT 26A)
EMBEDMENT SHALL INCLUDE MIN. 3 THREADS PASSED THICKNESS.
- (E) TO EXISTING MIN. 12 GAGE (0.106") STEEL MEMBER (ASTM A-500, A-653 OR A-36), MIN. EDGE DISTANCE (E.D.)=3/4".
-1/4"Ø-20 HILTI KWIK FLEX SELF- DRILLING SCREW (COMPONENT 26A).
EMBEDMENT SHALL INCLUDE MIN. 3 THREADS PASSED THICKNESS.
10. PROVIDE 1/4" MAX. LOAD BEARING SHIM SPACE (TYP.).
11. REMAINING COMPONENTS FOR THIS PRODUCT, SHALL BE AS INDICATED ON BILL OF MATERIALS, ON SHEET 3 OF THIS DRAWING.
12. SERIES FIP -2004 -RW ALUMINUM HORIZONTAL SLIDING WINDOW -L.M.I., MANUFACTURER LABEL SHALL BE PLACED 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 UNIT.
13. (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 & Non High Velocity Hurricane Zone)

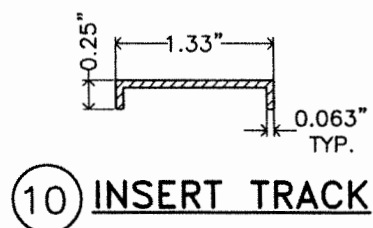
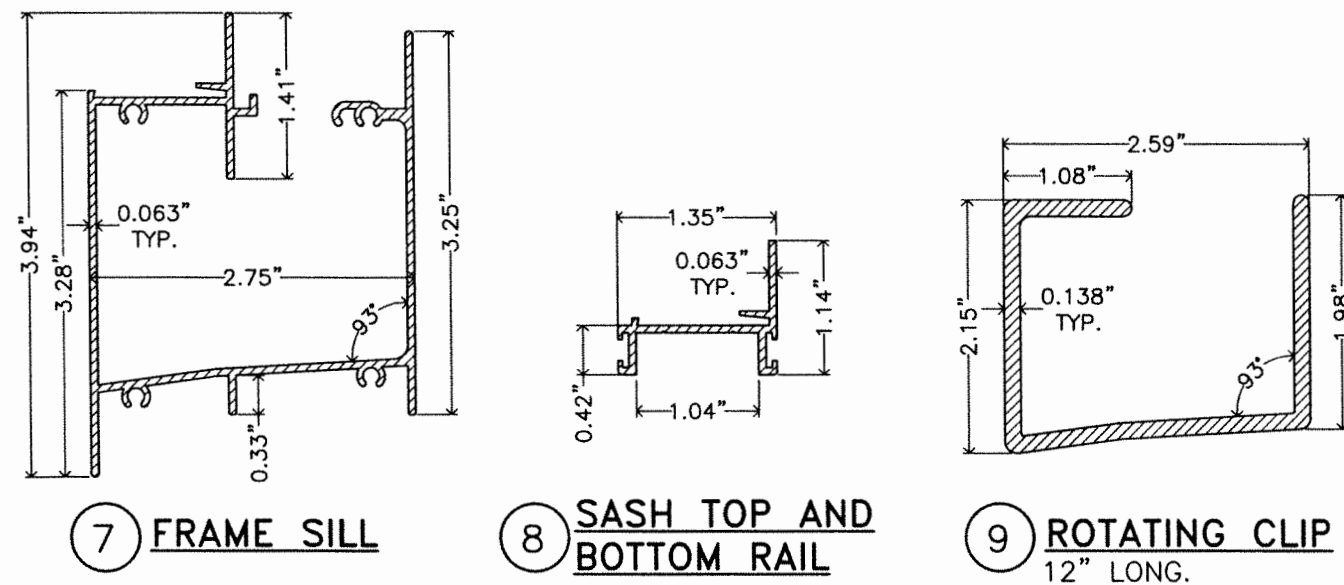
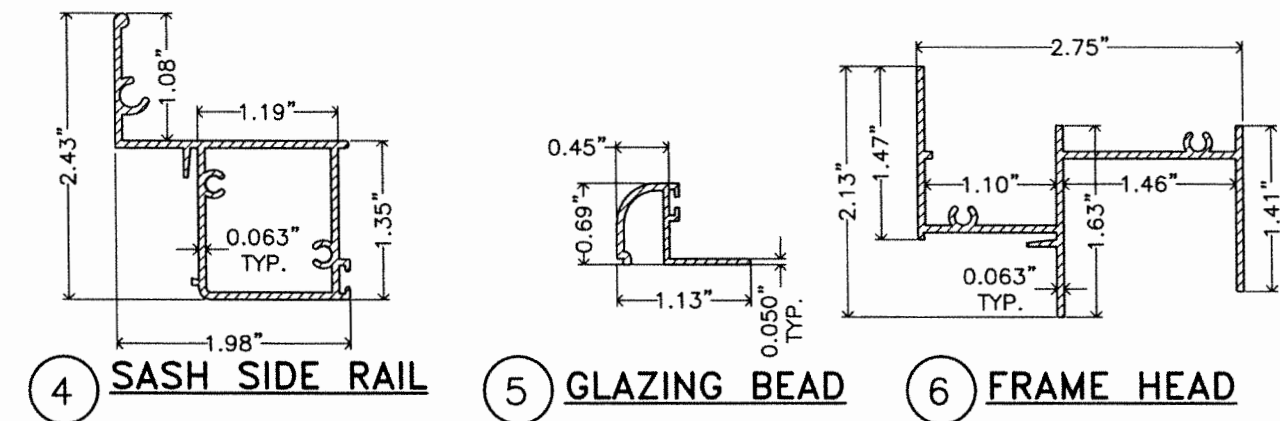
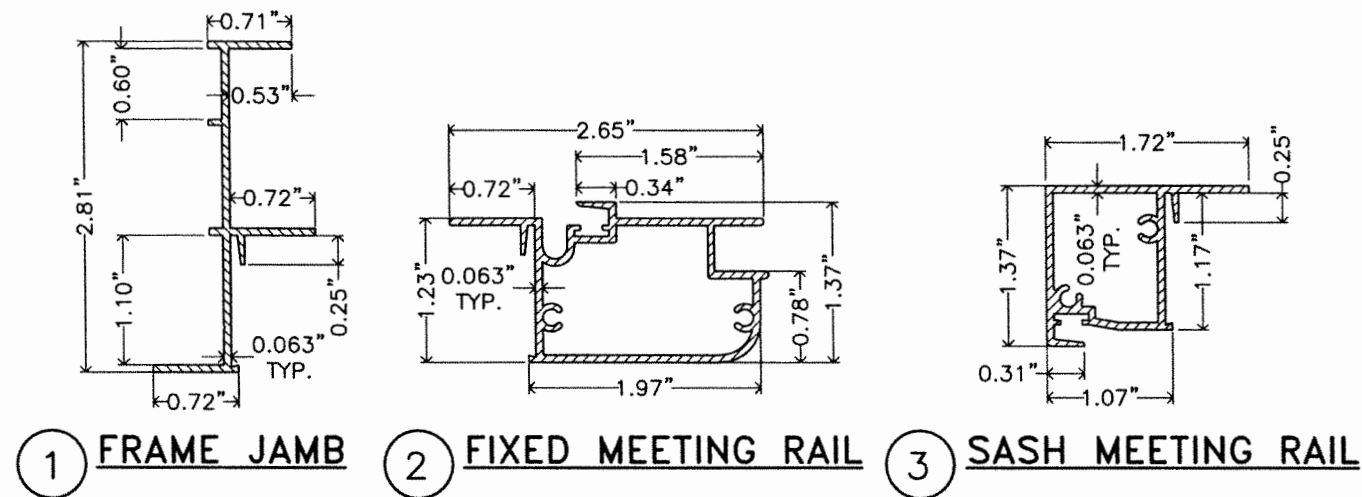
© 2024 TILTECO INC.

TILTECO INC.

TILLIT TESTING & ENGINEERING COMPANY

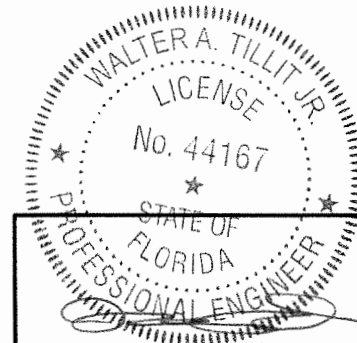
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
CA-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. 44167

SERIES FIP-2004-RW ALUMINUM HORIZONTAL SLIDING WINDOW-L.M.I.						DRAWN BY: W.H	
MIAMI DADE ALUMINUM CORP.						01/24/2024 DATE	
1615 WEST 31 ST PLACE HIALEAH, FL 33012 ph: 305-823-0099						24-001 DRAWING No	
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	SHEET 1 OF 10	
1	-	-	2	-	-		
3	-	-	4	-	-		



COMPONENTS
SCALE: N.T.S

BILL OF MATERIALS			
ITEM #	DESCRIPTION	DIMENSIONS & REMARKS	MATERIAL
1	FRAME JAMB	FSP 014	6063-T6
2	FIXED MEETING RAIL	FSP 041	6063-T6
3	SASH MEETING RAIL	FSP 018	6063-T6
4	SASH SIDE RAIL	FSP 020	6063-T6
5	GLAZING BEAD	FSP 017	6063-T6
6	FRAME HEAD	FSP 015	6063-T6
7	FRAME SILL	FSP 039	6063-T6
8	SASH TOP AND BOTTOM RAIL	FSP 016	6063-T6
9	ROTATING CLIP (12"LONG)	FSP 055	6063-T6
10	INSERT TRACK	FSP 045	6063-T6
12	MEETING RAIL FASTENER	#10 X 1" PH SMS (SS)	S.S
13	LATCH LOCK FASTENER	#8 X 3/4" PH SMS (SS)	S.S
14	FRAME CORNER FASTENER	#8 X 1" PH SMS (SS)	S.S
15	LATCH LOCK	-	6063-T5
16	ROLLER HOUSING	-	-
17	BRASS WHEELS	-	-
18	WEATHER STRIP	-	VINYL
19	SILICONE SEALANT	GE SCS2800 OR PECORA 895	SILICONE
19A	SEALANT: DOW CORNING WHITE SILICONE OR EQUAL AT FRAME ALL AROUND (EXTERIOR & INTERIOR)	-	SILICONE
20	BULB VINYL	AT GLAZING BEAD	NEOPRENE
21	STEEL BAR: (1 1/8" X 7/8", ZINC PLATED.)	FULL LENGTH OF FIXED MEETING RAIL.	ASTM A36
22	MOSQUITERO	ALN- 364	6063-T5
23	BULB VINYL	-	NEOPRENE
24	SHIM	-	P.P
25	MEETING RAIL FASTENER		
26	1/4"Ø TAPCON, MANUFACTURED BY ITW BUILDEX TO POURED CONCRETE & HOLLOW BLOCK (SEE NOTE 9 ON SHEET 1 FOR MIN.ED & MIN.EMBMNT.)	-----	COATED STEEL
26A	1/4"Ø-20 HILTI KWIK FLEX SELF- DRILLING SCREW TO WOOD, ALUMINUM OR STEEL (SEE NOTE 9 ON SHEET 1 FOR MIN. ED & MIN. EMBEDMENT.)	-----	COATED STEEL
27	SETTING BLOCK	75 DUROMETER @ 1/4 POINT	E.P.D.M



P.E. SEAL/SIGNATURE/DATE

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

© 2024 TILTECO INC.

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

**SERIES FIP-2004-RW ALUMINUM
HORIZONTAL SLIDING WINDOW-L.M.I.**

MIAMI DADE ALUMINUM CORP.

1615 WEST 31 ST PLACE
HALEAH, FL 33012
ph: 305-823-0099

DRAWN BY:
W.H

01/24/2024
DATE

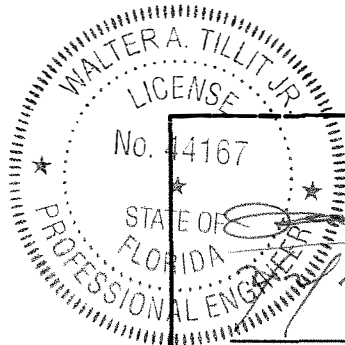
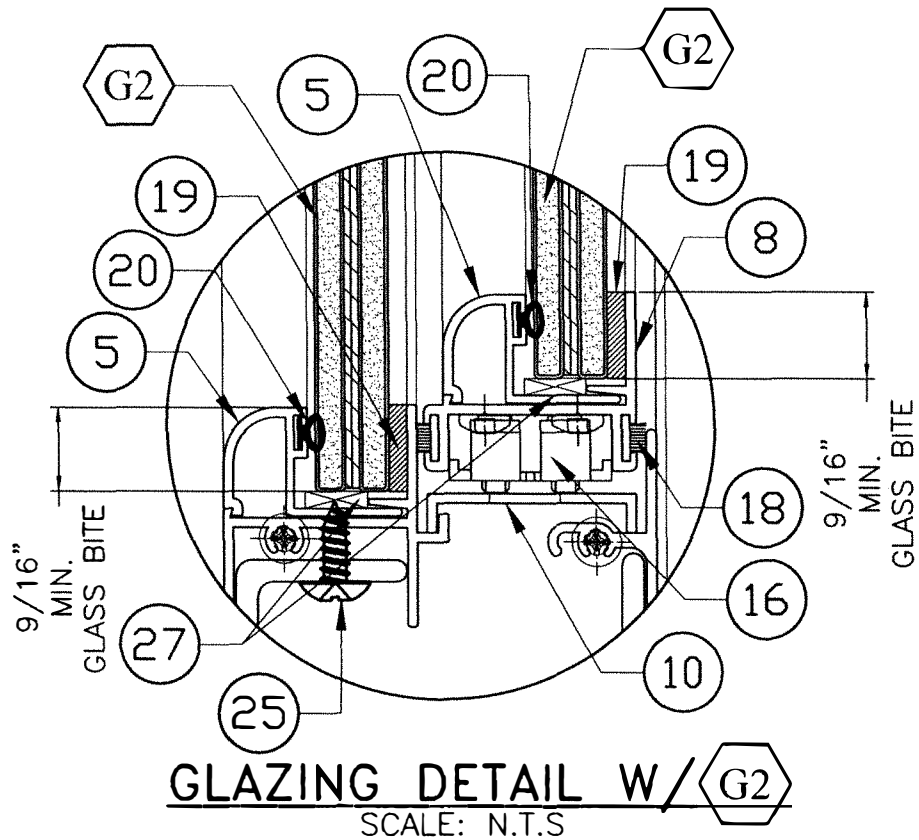
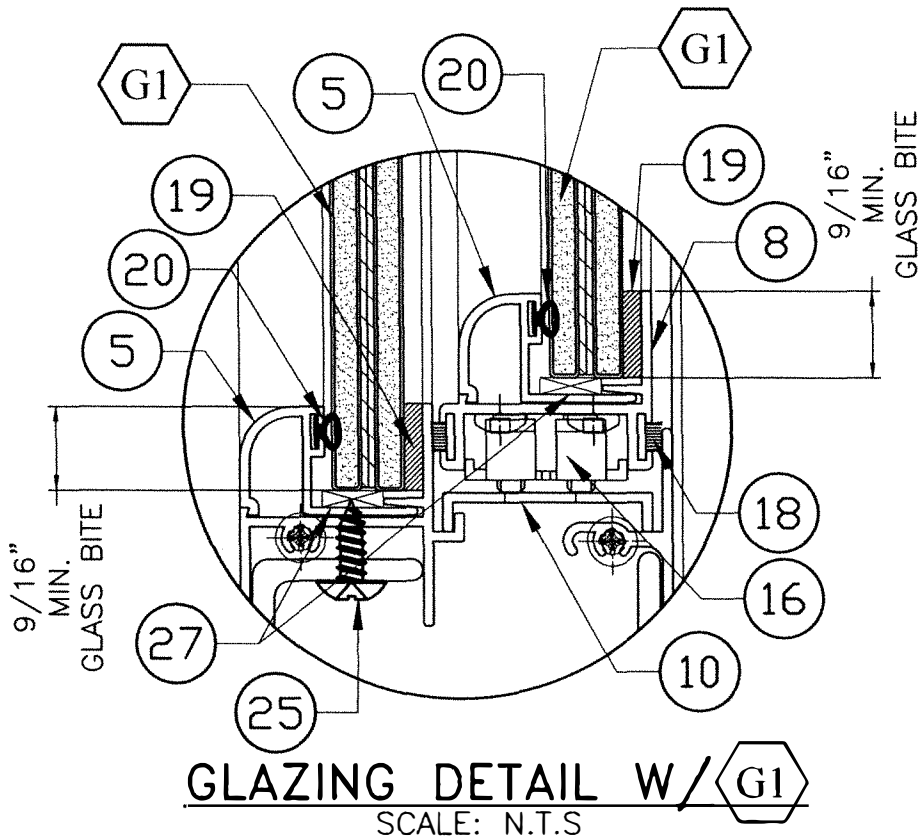
24-001
DRAWING No

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	-	-	2	-	-
3	-	-	4	-	-

SHEET 2 OF 10

BILL OF MATERIALS (CONT'D)

ITEM #	DESCRIPTION	MATERIAL
G1	0.484" (7/16" NOMINAL) LAMINATED GLASS W/ 3/16" H.S. GLASS + 0.090" SENTRYGLAS® INTERLAYER BY KURARAY AMERICA, INC. + 3/16" H.S. GLASS	GLASS
G2	0.484" (7/16" NOMINAL) LAMINATED GLASS W/ 3/16" H.S. GLASS + 0.090" TROSIFOL PVB INTERLAYER BY KURARAY AMERICA, INC. + 3/16" H.S. GLASS	GLASS



P.E. SEAL/SIGNATURE/DATE

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

© 2024 TILTECO INC.

TILTECO INC.

TILLIT TESTING & ENGINEERING COMPANY

6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166

Phone : (305)871-1530 . Fax : (305)871-1531

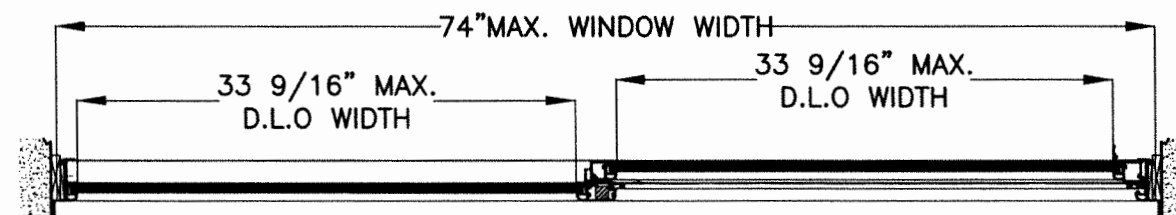
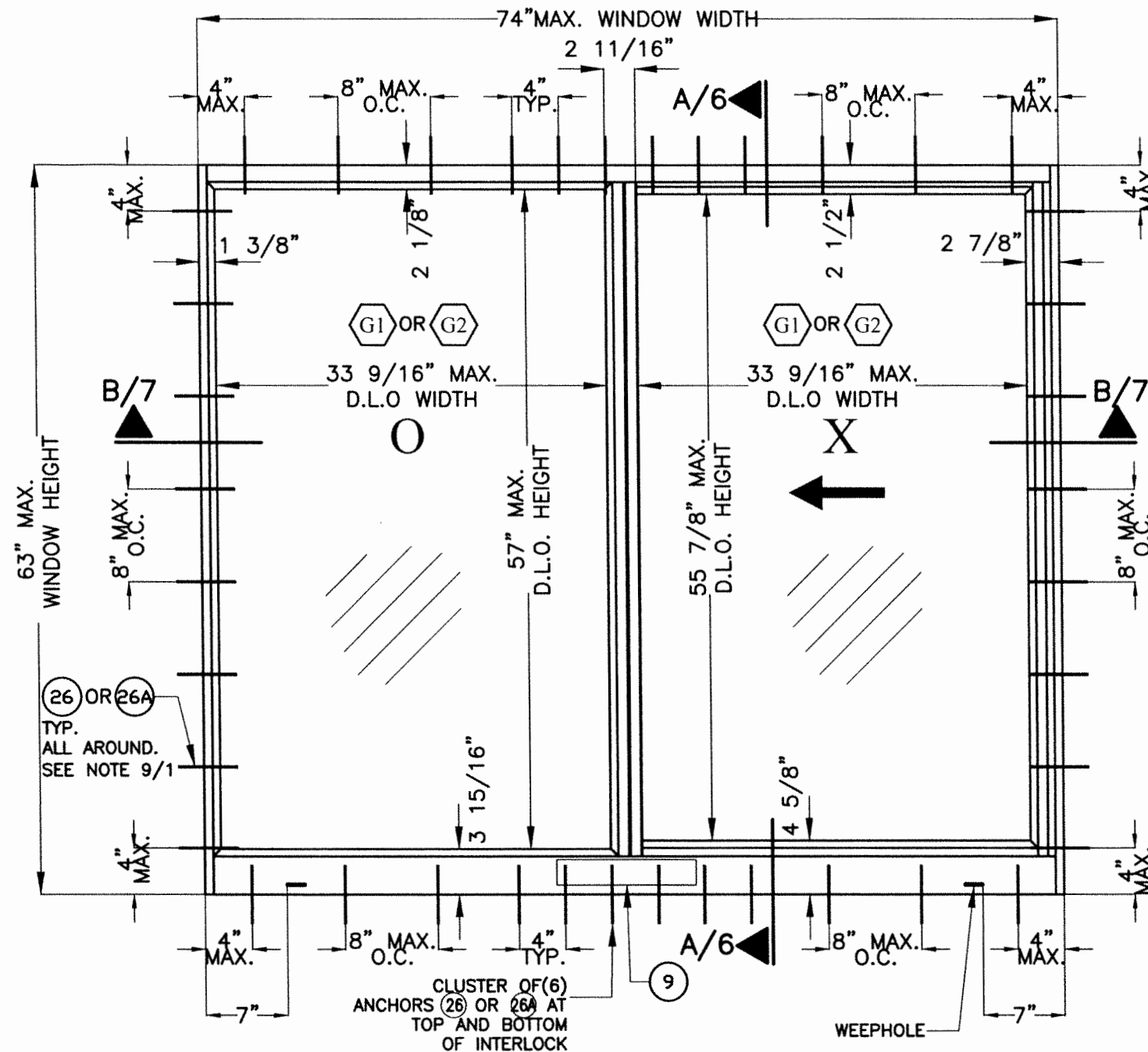
e-mail: tilteco@aol.com

CA-0006719

WALTER A. TILLIT Jr., P.E.

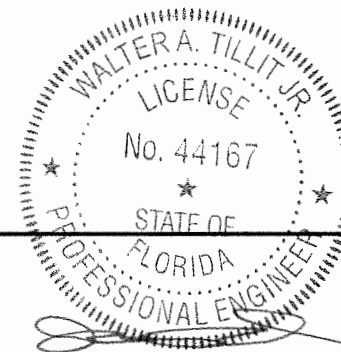
FLORIDA Lic. 44167

SERIES FIP-2004-RW ALUMINUM HORIZONTAL SLIDING WINDOW-L.M.I.						DRAWN BY: W.H
MIAMI DADE ALUMINUM CORP.						01/24/2024 DATE
1615 WEST 31 ST PLACE HIALEAH, FL 33012 ph: 305-823-0099						24-001 DRAWING No
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	
1	-	-	2	-	-	
3	-	-	4	-	-	



TYPICAL EXTERIOR ELEVATION
(O-X OR X-O)
SCALE: N.T.S

MAX. A.S.D PRESSURE RATING (psf)	
FOR SIZE SHOWN OR SMALLER AS PERMITTED BY FBC	
+110	-150

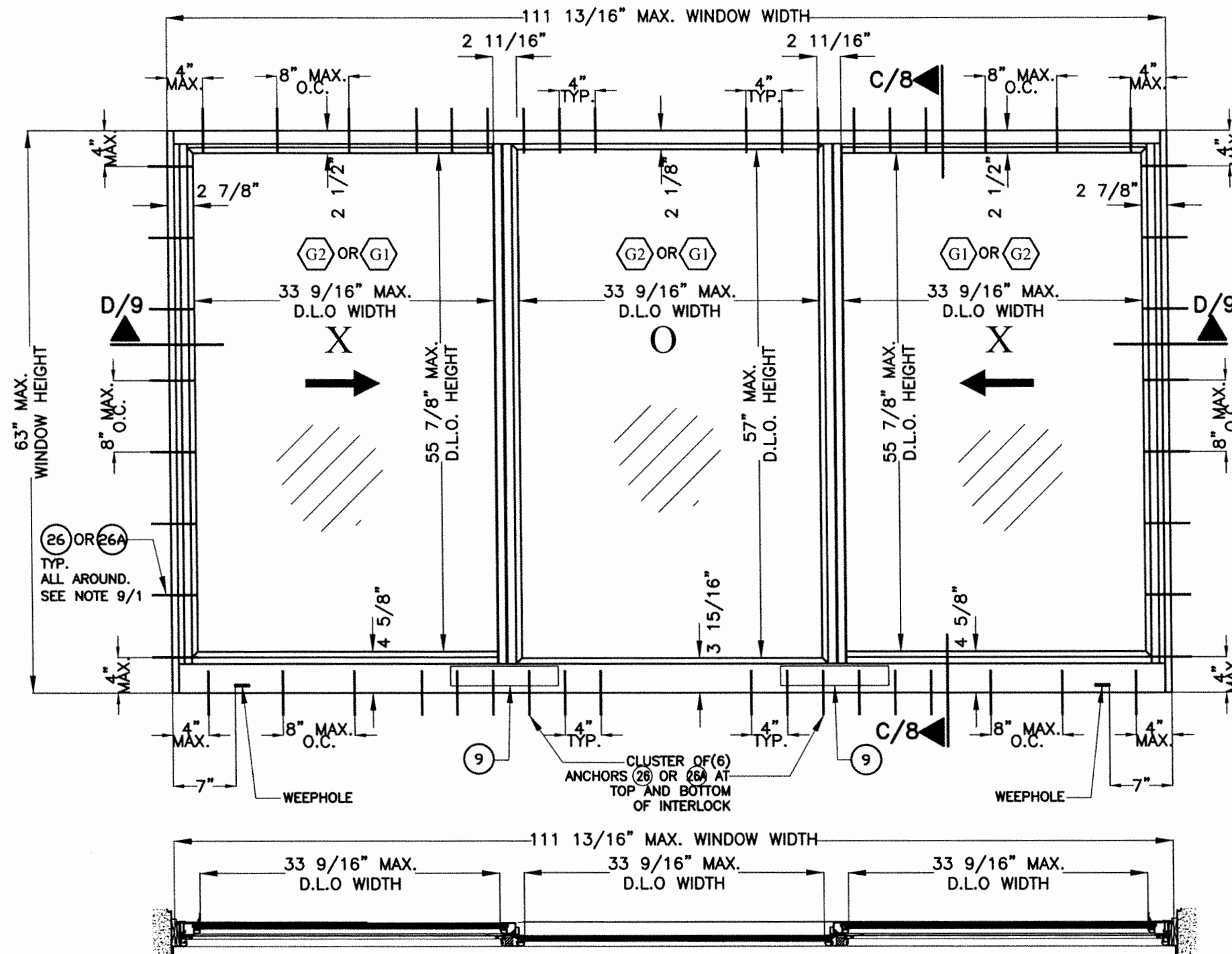


WALTER A. TILLIT JR., P.E.
FLORIDA Lic. 44167
P.E. SEAL/SIGNATURE/DATE

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

© 2024 TILTECO INC.
TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
CA-0006719
WALTER A. TILLIT JR., P.E.
FLORIDA Lic. 44167

SERIES FIP-2004-RW ALUMINUM HORIZONTAL SLIDING WINDOW-L.M.I.						DRAWN BY: W.H	
MIAMI DADE ALUMINUM CORP.						01/24/2024 DATE	
1615 WEST 31 ST PLACE HIALEAH, FL 33012 ph: 305-823-0099						24-001 DRAWING No	
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	SHEET 4 OF 10	
1	-	-	2	-	-		
3	-	-	4	-	-		

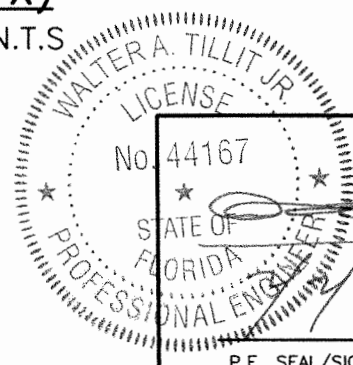


MAX. A.S.D PRESSURE RATING (psf)	
FOR SIZE SHOWN OR SMALLER AS PERMITTED BY FBC	
+110	-150

TYPICAL EXTERIOR ELEVATION

(X-O-X)

SCALE: N.T.S



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

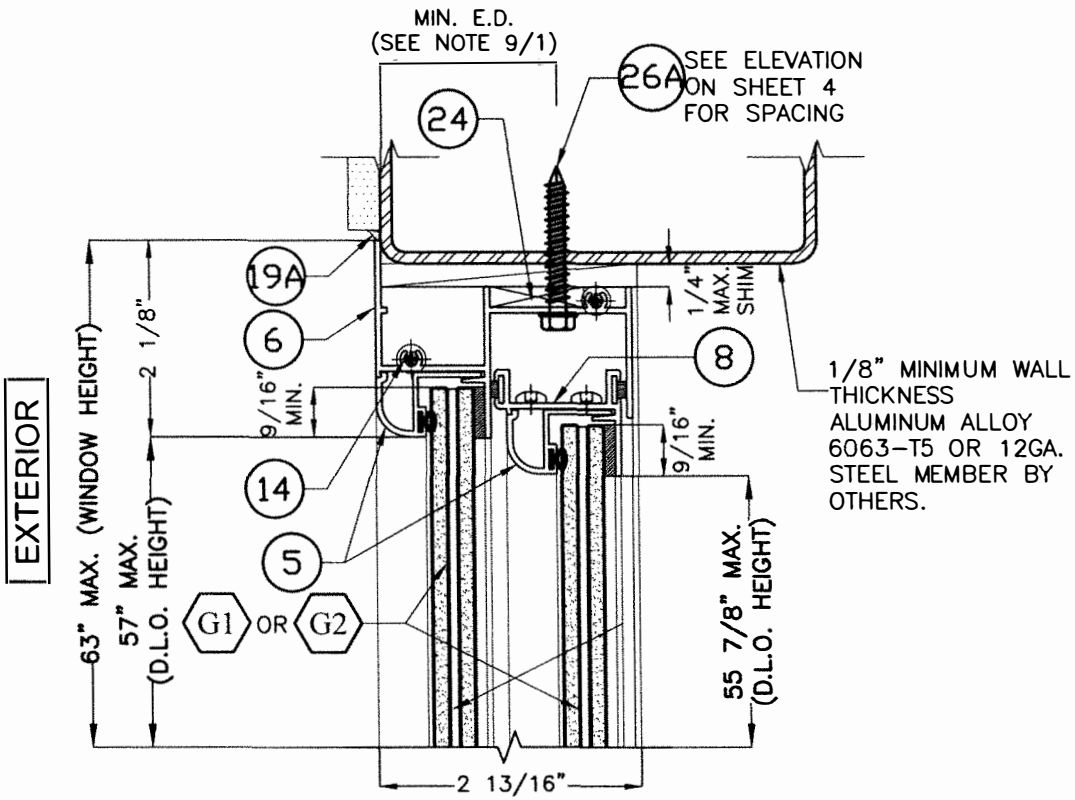
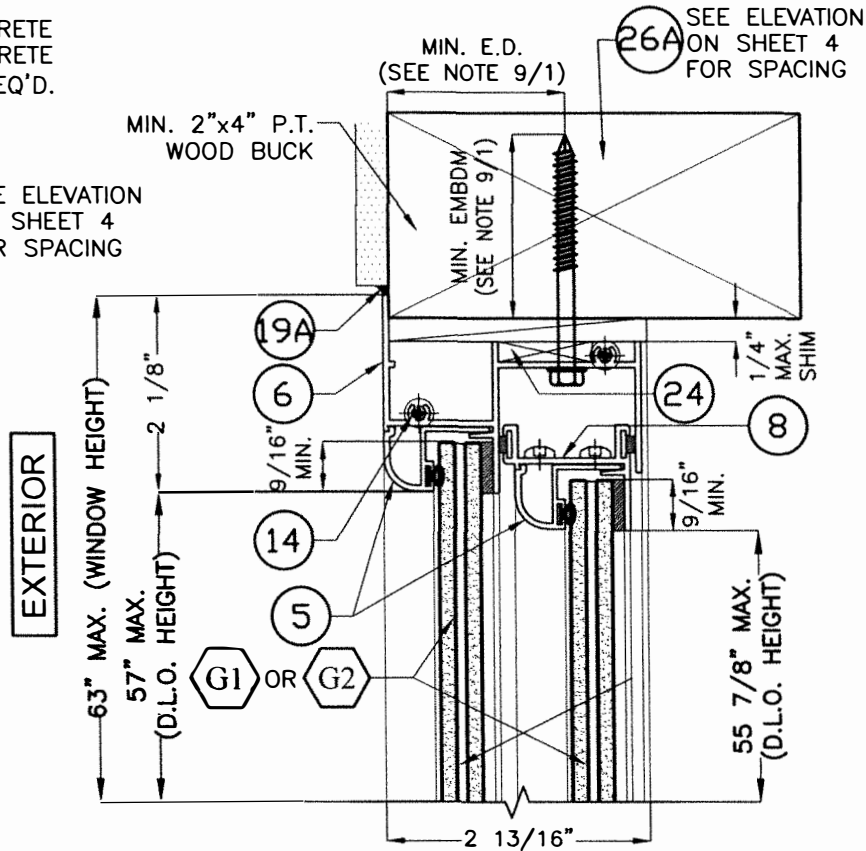
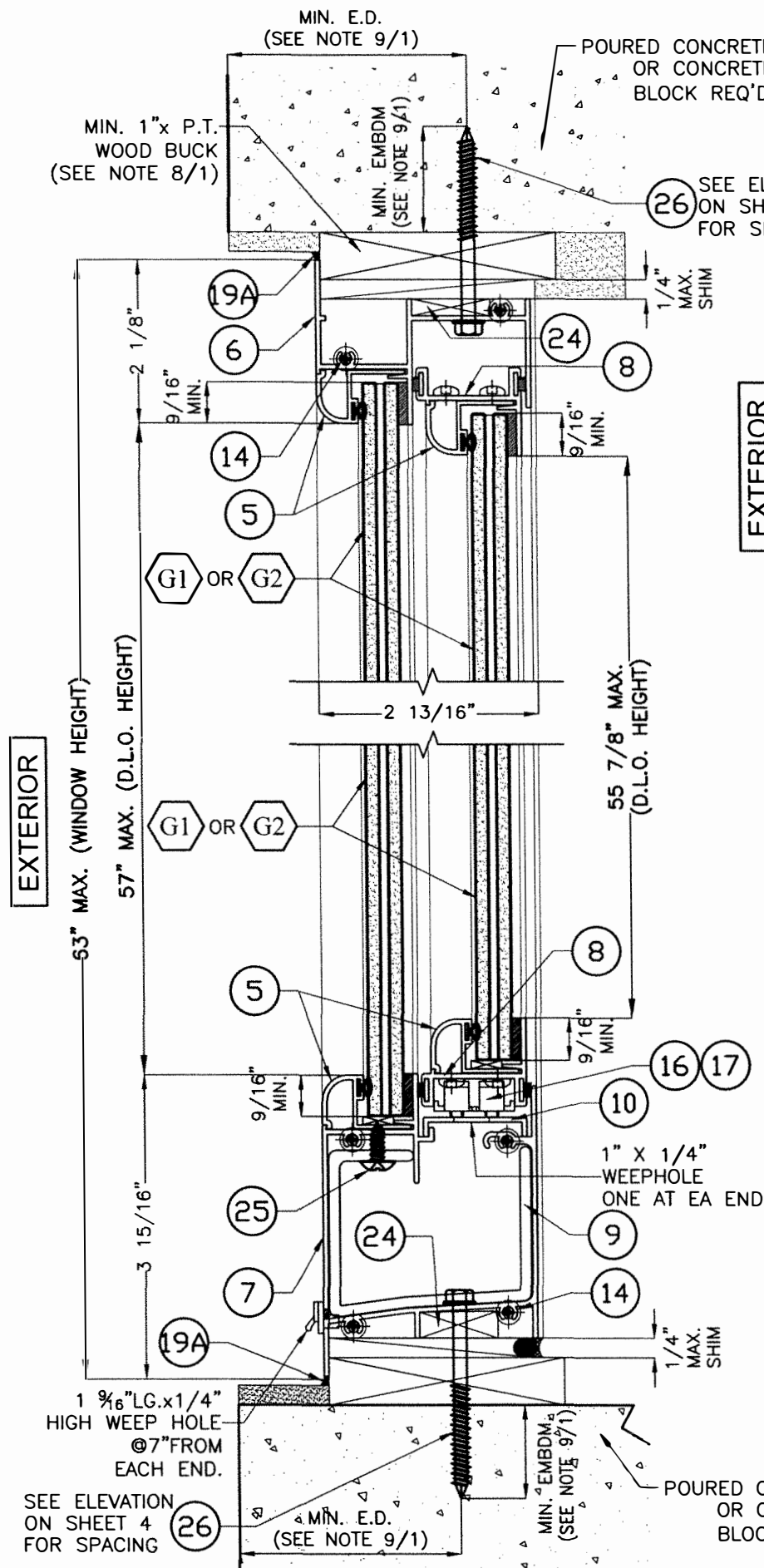
© 2024 TILTECO INC.

TILTECO INC.

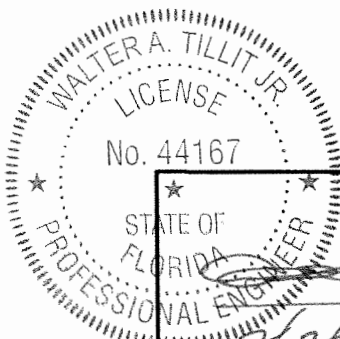
TILLIT TESTING & ENGINEERING COMPANY

6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
 Phone : (305)871-1530 . Fax : (305)871-1531
 e-mail: tilteco@aol.com
 CA-0006719
 WALTER A. TILLIT Jr., P.E.
 FLORIDA Lic. 44167

SERIES FIP-2004-RW ALUMINUM HORIZONTAL SLIDING WINDOW-L.M.I.						DRAWN BY: W.H	
MIAMI DADE ALUMINUM CORP.						01/24/2024 DATE	
1615 WEST 31 ST PLACE HIALEAH, FL 33012 ph: 305-823-0099						24-001 DRAWING No	
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	SHEET 5 OF 10	
1	-	-	2	-	-		
3	-	-	4	-	-		



SECTION A-A
SCALE: N.T.S



P.E. SEAL/SIGNATURE/DATE

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

© 2024 TILTECO INC.

TILTECO INC.

TILLIT TESTING & ENGINEERING COMPANY

6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
CA-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. 44167

SERIES FIP-2004-RW ALUMINUM HORIZONTAL SLIDING WINDOW-L.M.I.

MIAMI DADE ALUMINUM CORP.

1615 WEST 31 ST PLACE
HIALEAH, FL 33012
ph: 305-823-0099

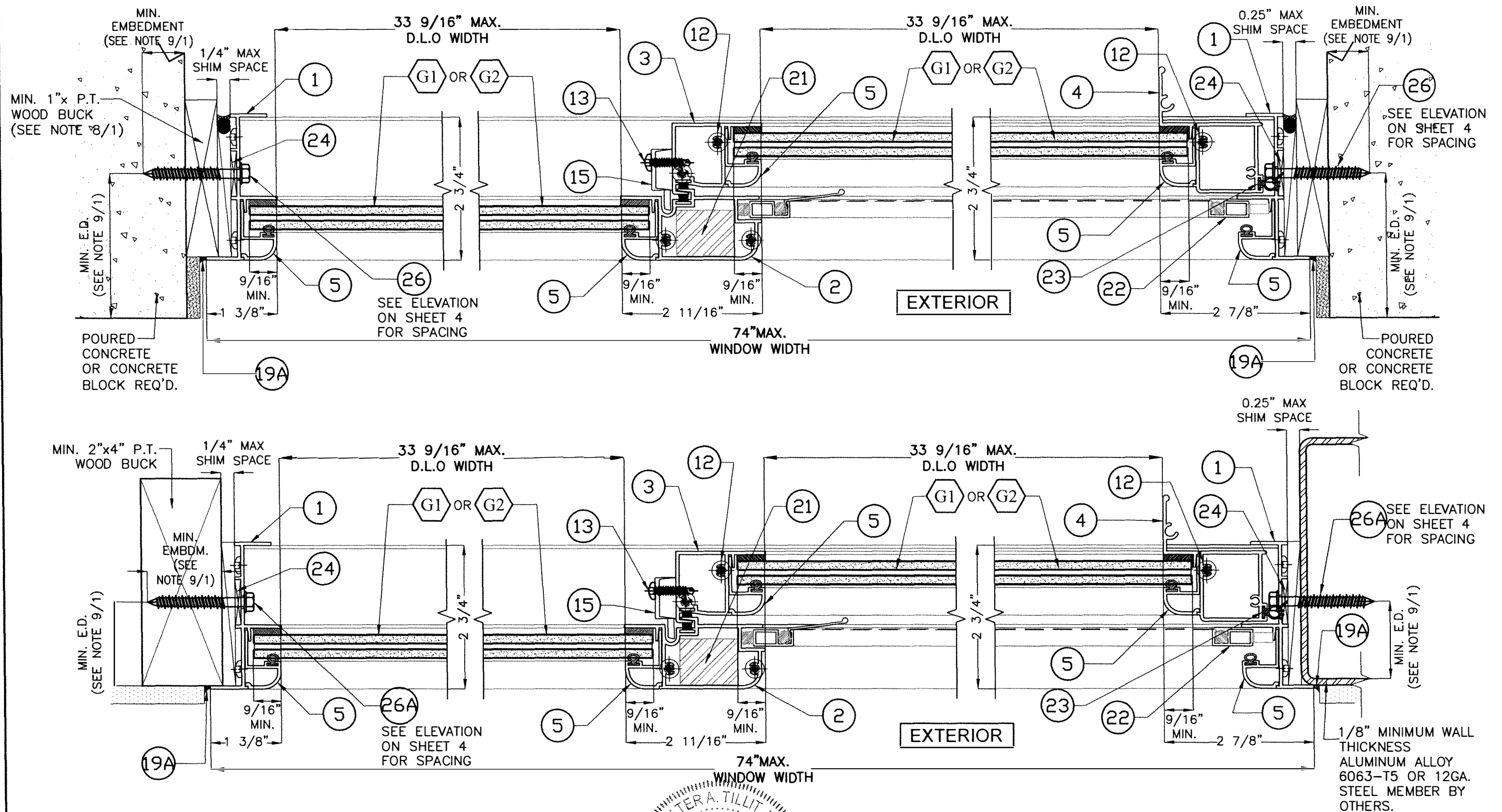
DRAWN BY: W.H

01/24/2024 DATE

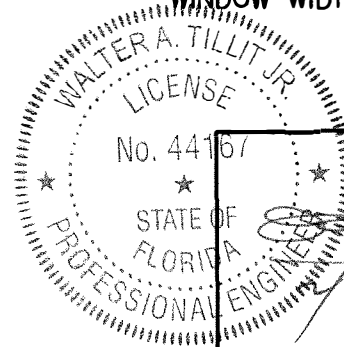
24-001
DRAWING No

REV. NO	DESCRIPTION	DATE	REV. NO	DESCRIPTION	DATE
1	-	-	2	-	-
3	-	-	4	-	-

SHEET 6 OF 10



SECTION B-B SCALE: N.T.S



P.E. SEAL/SIGNATURE/DATE

© 2024 TILTECO INC.

TILTECO INC.

TILLIT TESTING & ENGINEERING COMPANY

6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166

Phone : (305)871-1530 . Fax : (305)871-1531

e-mail: tilteco@aol.com

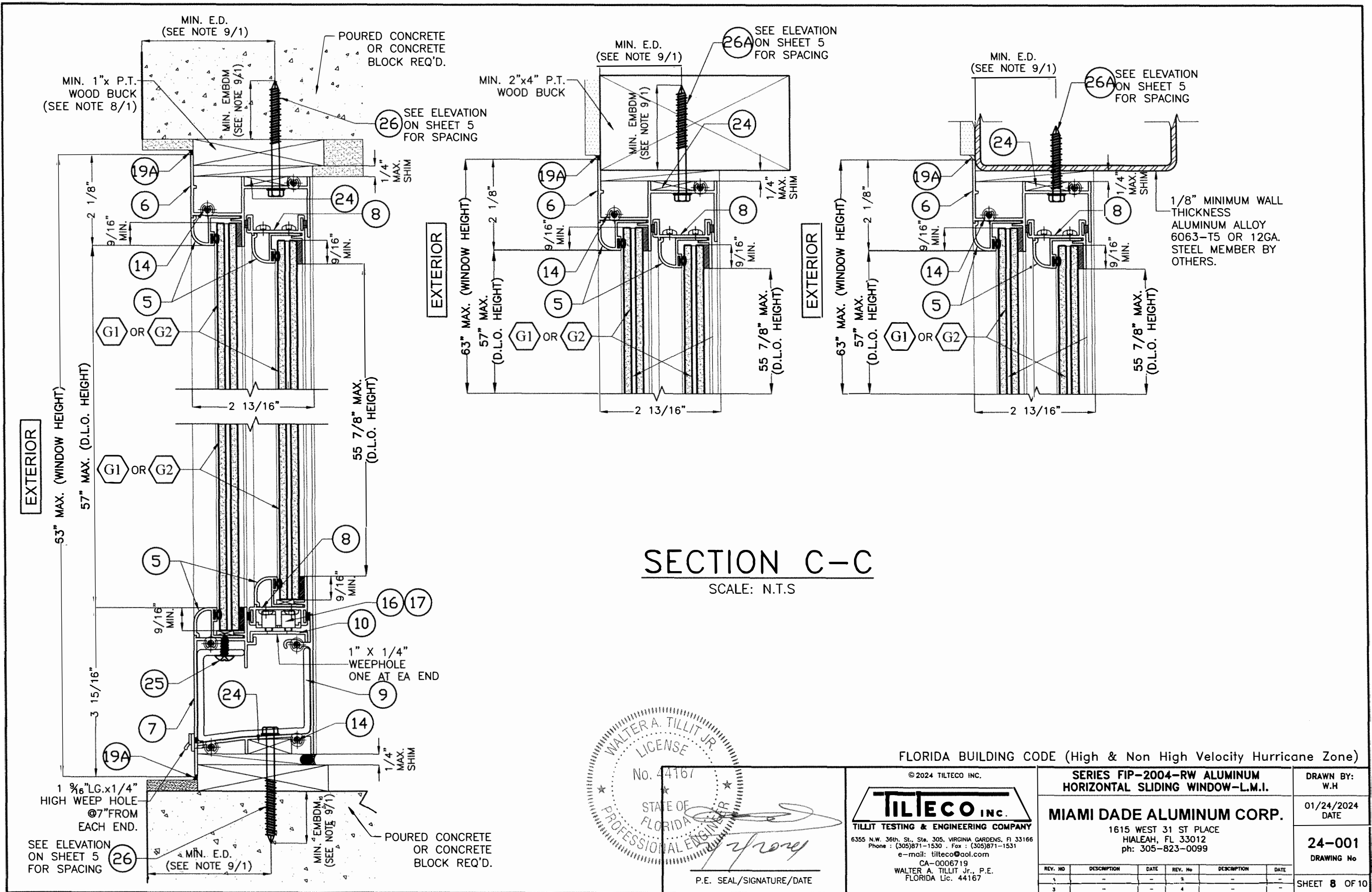
CA-0006719

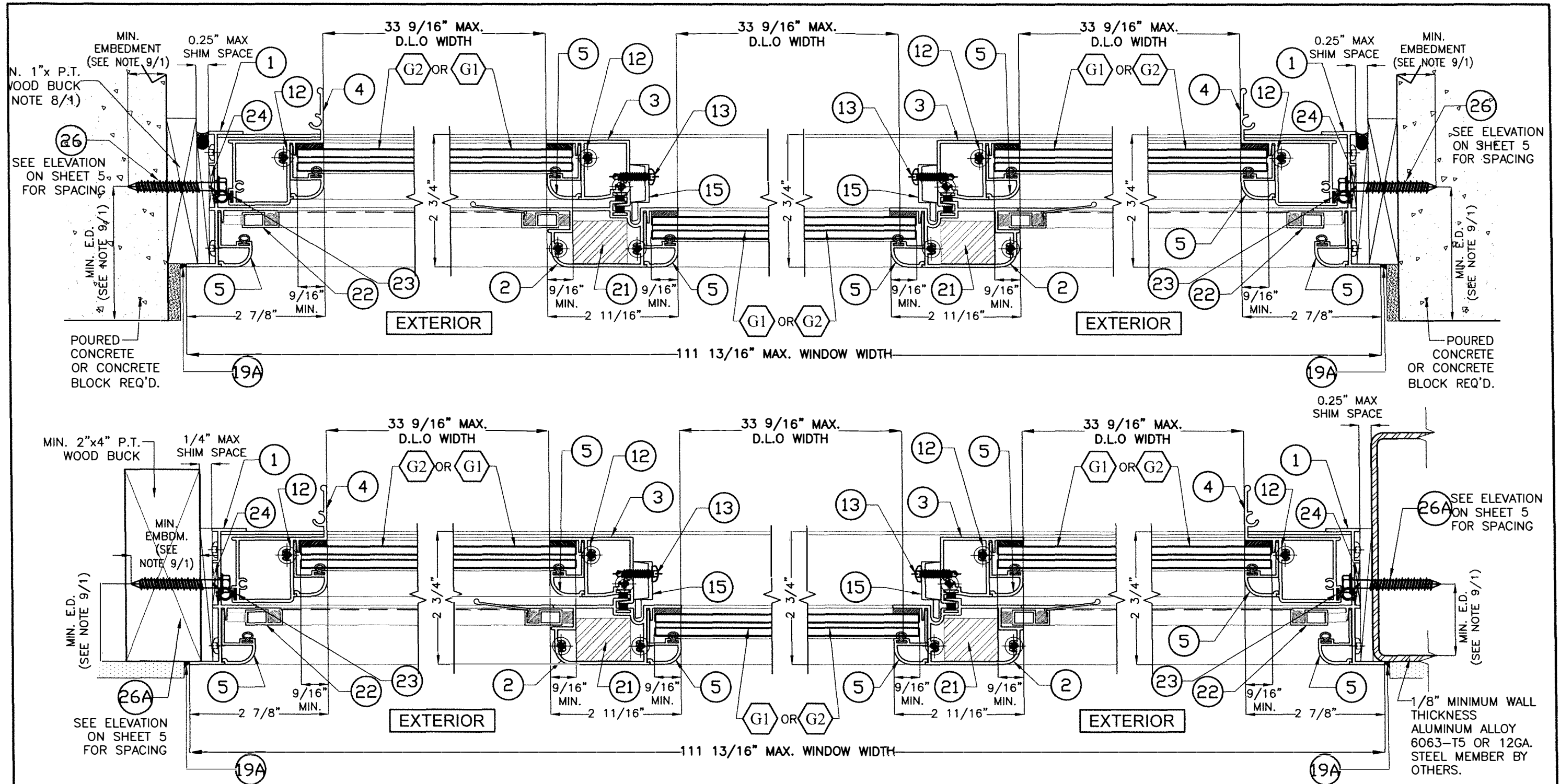
WALTER A. TILLIT Jr., P.E.

FLORIDA Lic. 44167

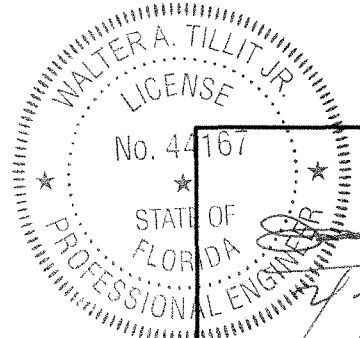
FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)

SERIES FIP-2004-RW ALUMINUM HORIZONTAL SLIDING WINDOW-L.M.I.			DRAWN BY: W.H		
MIAMI DADE ALUMINUM CORP.			01/24/2024 DATE		
1615 WEST 31 ST PLACE HIALEAH, FL 33012 ph: 305-823-0099			24-001 DRAWING No		
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	-	-	2	-	-
3	-	-	4	-	-





SECTION D-D
SCALE: N.T.S

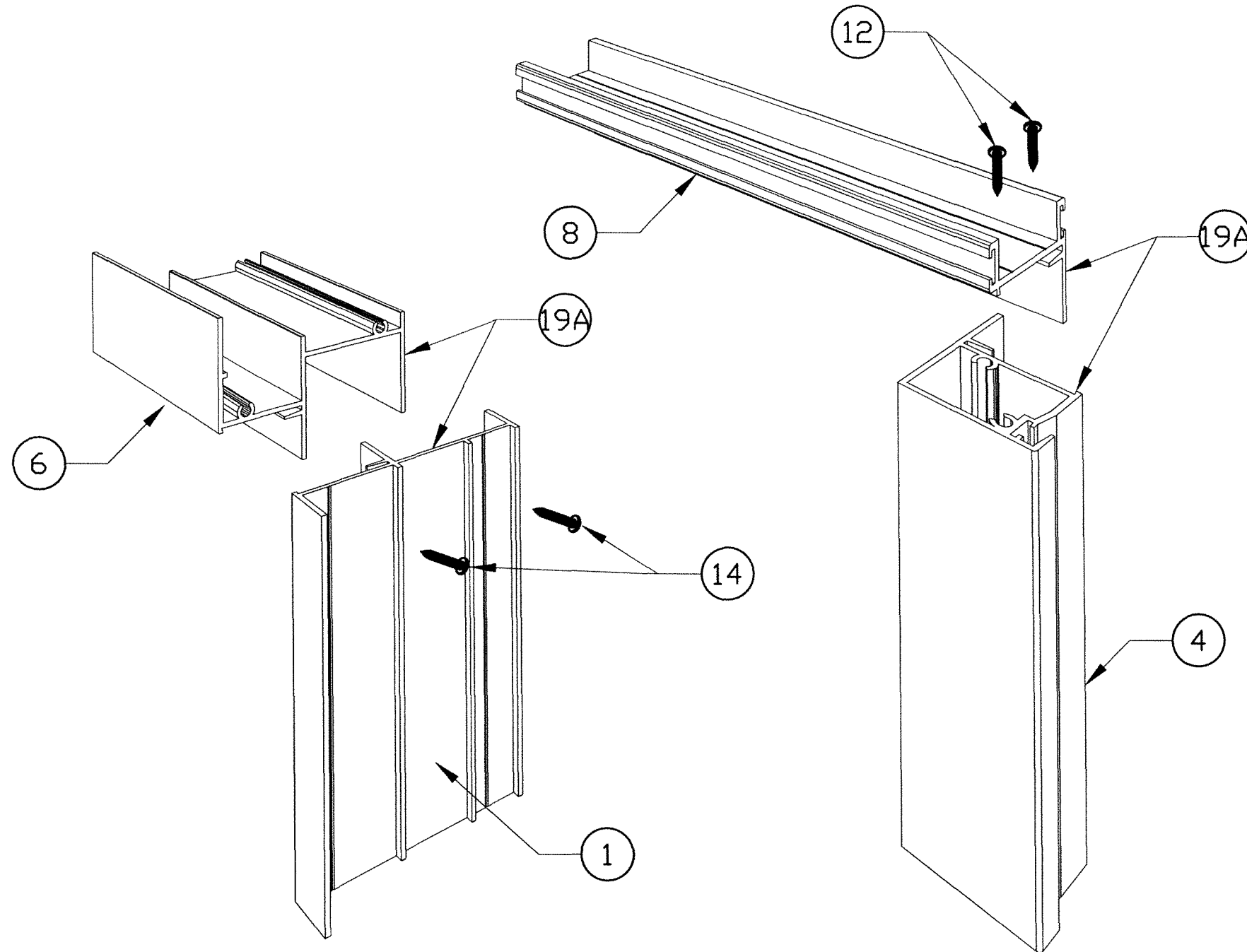


P.E. SEAL/SIGNATURE/DATE

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

© 2024 TILTECO INC.
TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
CA-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. 44167

SERIES FIP-2004-RW ALUMINUM HORIZONTAL SLIDING WINDOW-L.M.I.			DRAWN BY: W.H		
MIAMI DADE ALUMINUM CORP.			01/24/2024 DATE		
1615 WEST 31 ST PLACE HIALEAH, FL 33012 ph: 305-823-0099			24-001 DRAWING No		
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	-	-	2	-	-
3	-	-	4	-	-



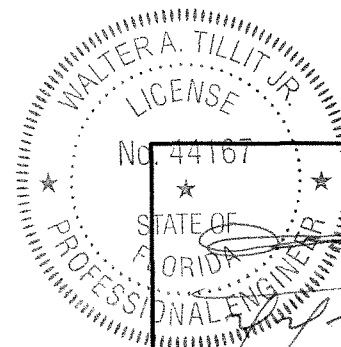
**FRAME CORNER CONNECT
(ISOMETRIC)**

SCALE: N.T.S

**SASH FRAME CORNER CONNECT
(ISOMETRIC)**

SCALE: N.T.S

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



P.E. SEAL/SIGNATURE/DATE

© 2024 TILTECO INC.

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY

6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@pool.com
CA-0006719
WALTER A. TILLIT JR., P.E.
FLORIDA Lic. 44167

**SERIES FIP-2004-RW ALUMINUM
HORIZONTAL SLIDING WINDOW-L.M.I.**

DRAWN BY:
W.H

MIAMI DADE ALUMINUM CORP.

01/24/2024
DATE

1615 WEST 31 ST PLACE
HIALEAH, FL 33012
ph: 305-823-0099

24-001
DRAWING No

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	-	-	2	-	-
3	-	-	4	-	-

SHEET 10 OF 10