

GENERAL NOTES:

1. SERIES FIW - 2004 -FW FIXED WINDOW L.M.I. , SHOWN ON THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) HAVE BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2023 (8th EDITION) OF THE FLORIDA BUILDING CODE. THESE WINDOWS 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 & 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 OVERSTRESSED, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS NOT USED IN THEIR ANALYSIS. FASTENERS SPACING IN WOOD HAS BEEN DETERMINED IN ACCORDANCE WITH NDS 2018. THESE WINDOWS' 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 PENESTRATION TESTING LAB REPORT #4087 AND AS PER SUBMITTED STRUCTURAL CALCULATIONS, PERFORMED AS PER SECTIONS 1616 & 1604 OF THE FLORIDA BUILDING CODE. GLASS VERIFIED PER ASTM E-1300, PER SECTION 2404.1 OF THE FLORIDA BUILDING CODE.

2. MAXIMUM A.S.D. DESIGN PRESSURE RATINGS SHALL BE AS PER SHEET 3. CRITERIA FOR ADDRESSING DIFFERENT SHAPES IS AS EXPLAINED ON SAME SHEET

3. THESE WINDOWS WILL NOT REQUIRE A HURRICANE PROTECTION DEVICE.

4. THESE WINDOWS ARE APPROVED FOR AIR AND WATER INFILTRATION.

5. THESE WINDOWS SHALL COMPLY WITH SECTION 2406 OF THE FLORIDA BUILDING CODE.

6. ALL ALUMINUM EXTRUSIONS SHALL BE ALUMINUM ASSOCIATION 6063-T6 ALLOY AND TEMPER. THE THICKNESS OF ALL EXTRUSIONS SHALL BE AS SHOWN ON SHEET 2 OF THIS DRAWING. ALL ALUMINUM EXTRUSION 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 NOT BY GENERAL IMPACT GLASS & WINDOWS, CORP. WOOD BUCKS MUST BE SOUTHERN PINE WITH G=0.55. AND SHALL COMPLY WITH SECTIONS 2411.3.3.3 & 2411.3.3.4 OF THE FLORIDA BUILDING CODE. MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

(8.1) 2 X WOOD BUCKS MUST BE PROPERLY ANCHORED TO EXISTING STRUCTURE TO TRANSFER LOADS TO IT. ANCHORAGE IS INDEPENDENT OF WINDOW FRAME ANCHORAGE. WINDOW FRAME MUST BE SEPARATELY ANCHORED TO 2 X WOOD BUCK FOLLOWING DETAILS ON THIS DRAWING.

(8.2) 1 X 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 1 X WOOD BUCK TO EXISTING STRUCTURE BY DRIVING ANCHOR THRU BOTH WINDOW FRAME & 1 X 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: SEE SHEET 9 FOR MAXIMUM SPACING. EMBEDMENT AND EDGE DISTANCE ARE BEYOND ANY WALL FINISH.

(A) TO EXISTING POURED CONCRETE: (Min. f'c = 2730 psi), MIN. EDGE DISTANCE = 2 1/2".
- 1/4"Ø ULTRACON 1 1/4" MIN. EMBEDMENT, AS MANUFACTURED BY DEWALT INC. (COMPONENT 7), THRU 1" P.T. WOOD BUCK.

(B) TO EXISTING HOLLOW BLOCK WALL (Min. f'm = 1924 psi), MIN. EDGE DISTANCE = 2 1/2".
- 1/4"Ø ULTRACON 1 1/4" MIN. EMBEDMENT, AS MANUFACTURED BY DEWALT INC. (COMPONENT 7), THRU 1" P.T. WOOD BUCK.

(C) TO EXISTING 2x P.T. WOOD BUCK. (MIN. G = 0.55) MIN. EDGE DISTANCE = 1".
- 1/4"Ø ULTRACON 1 1/2" MIN. THREADED PENETRATION, AS MANUFACTURED BY DEWALT INC. (COMPONENT 7)

(D) TO EXISTING MIN. 1/8" THICK ALUMINUM TUBE (6063-T5 ALLOY) MIN. EDGE DISTANCE = 3/4".
- 1/4"Ø-14 TEK SCREW, MIN. 3/4" LONG, AS MANUFACTURED BY ITW BUILDEX, INC. (COMPONENT 7A). 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 = 3/8".
- 1/4"Ø-14 TEK SCREW, MIN. 3/4" LONG, AS MANUFACTURED BY ITW BUILDEX, INC. (COMPONENT 7A). EMBEDMENT SHALL INCLUDE MIN. 3 THREADS PASSED THICKNESS.

10. PROVIDE 1/4" MAX. LOAD BEARING SHIM SPACE (TYP.).

11. REMAINING COMPONENTS FOR THESE WINDOWS SHALL BE AS INDICATED ON BILL OF MATERIALS ON SHEET 2.

12. WINDOWS' MANUFACTURER 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 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.

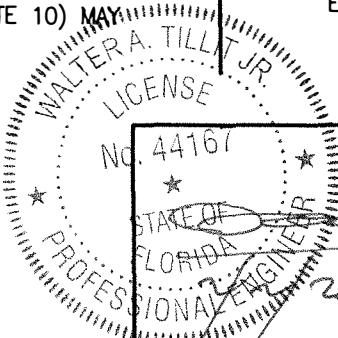
(A) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT, BASED ON THIS P.E.D., PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.

(B) THIS P.E.D. WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.

(C) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS DELEGATED ENGINEER TO THE P.E.D., SHALL SUBMIT TO THIS LATTER SITE SPECIFIC DRAWING FOR REVIEW.

(D) ORIGINAL P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

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



P.E. SEAL/SIGNATURE/DATE

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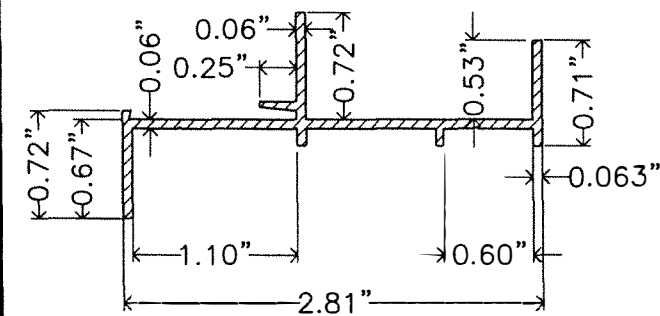
TILLIT TESTING & ENGINEERING COMPANY

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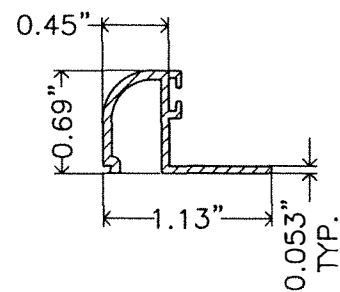
FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)

SERIES FIW-2004-FW FIXED WINDOW L.M.I.						DRAWN BY: W.H	
MIAMI DADE ALUMINUM CORP.						01/22/2024 DATE	
1615 WEST 31 ST PLACE HALEAH, FL 33012 ph: 305-823-0099						24-011 DRAWING No	
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	SHEET 1 OF 6	
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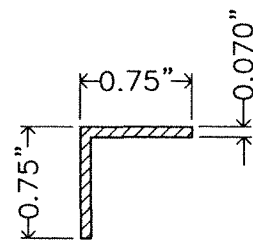
BILL OF MATERIALS			
ITEM #	DESCRIPTION	DIMENSIONS & REMARKS	MATERIAL
①	FRAME HEAD/SILL & JAMB	FSP 014	6063-T6
②	GLAZING BEAD	FSP 017	6063-T6
③	STEEL ANGLE	3/4"x3/4"x0.070THK.x3/4 LONG.	GALV. OR S.STEEL
④	FASTENER	#8 x 1/2" FH SMS	S.S
⑤	SILICONE SEALANT	GE SCS2800 OR PECORA 895	SILICONE
⑤A	SEALANT: DOW CORNING WHITE SILICONE OR EQUAL AT FRAME ALL AROUND (EXTERIOR & INTERIOR)	-	SILICONE
⑦	1/4"Ø ULTRACON BY DEWALT, TO POURED CONCRETE, HOLLOW BLOCK OR WOOD WALL REQ'D. (SEE NOTE 9 ON SHEET 1 FOR MIN. ED & MIN. EMBEDMENT.)	-----	COATED STEEL
⑦A	1/4"Ø ITW BUILDTEX TEK SCREW TO METAL (SEE NOTE 9 ON SHEET 1 FOR MIN. ED & MIN. EMBEDMENT.)	-----	COATED STEEL
⑧	BULB VINYL	AT GLAZING BEAD	NEOPRENE
⑨	SETTING BLOCK	75 DUROMETER @ 1/4 POINT	E.P.D.M
⑩	SHIM	-	P.P



① FRAME HEAD/SILL & JAMB



② GLAZING BED

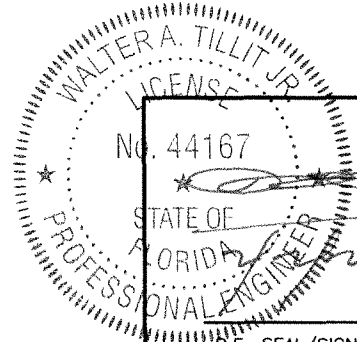
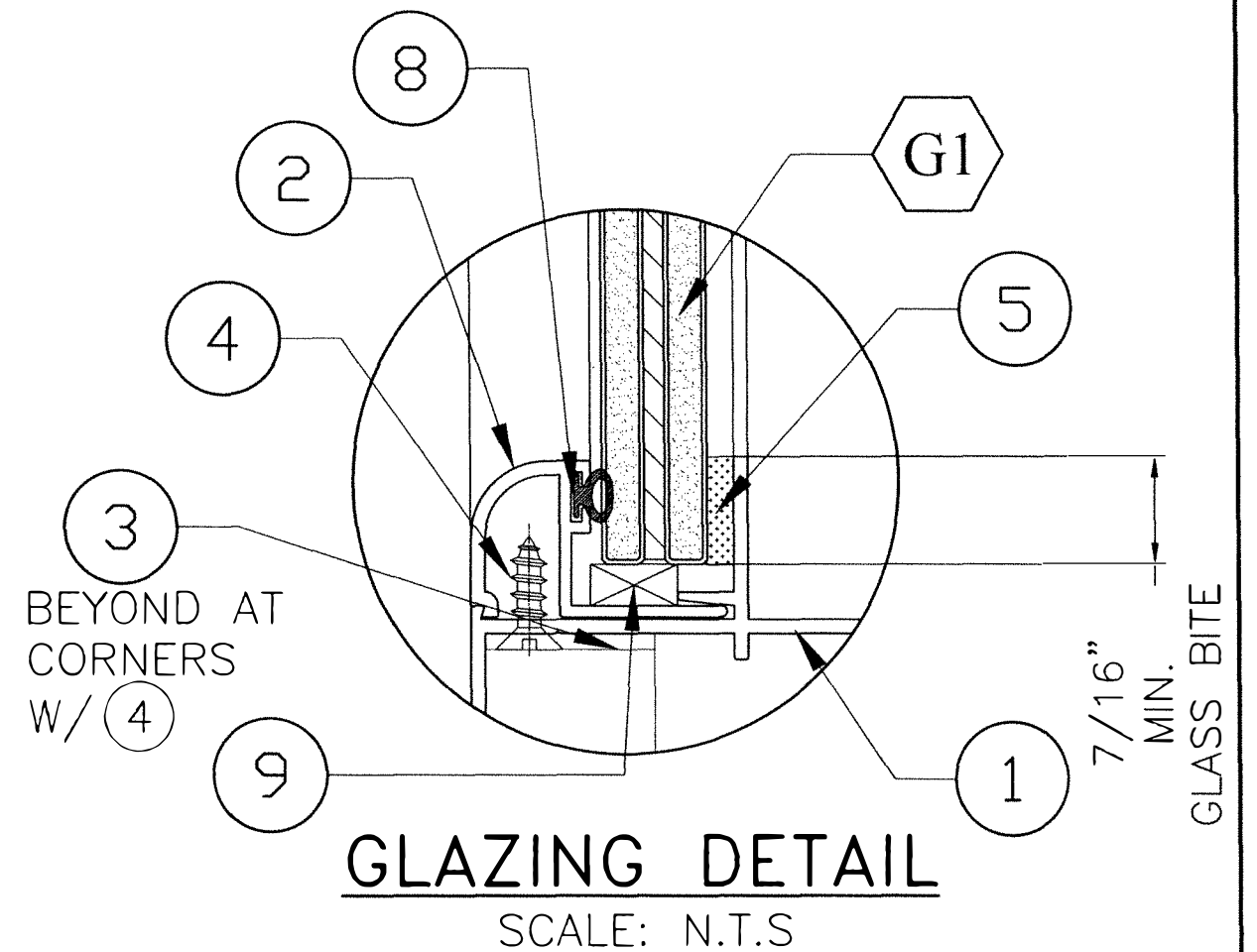


③ STEEL ANGLE
3/4" LONG.

COMPONENTS
SCALE: N.T.S

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



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SERIES FIW-2004-FW
FIXED WINDOW L.M.I.
MIAMI DADE ALUMINUM CORP.
1615 WEST 31 ST PLACE
HIALEAH, FL 33012
ph: 305-823-0099

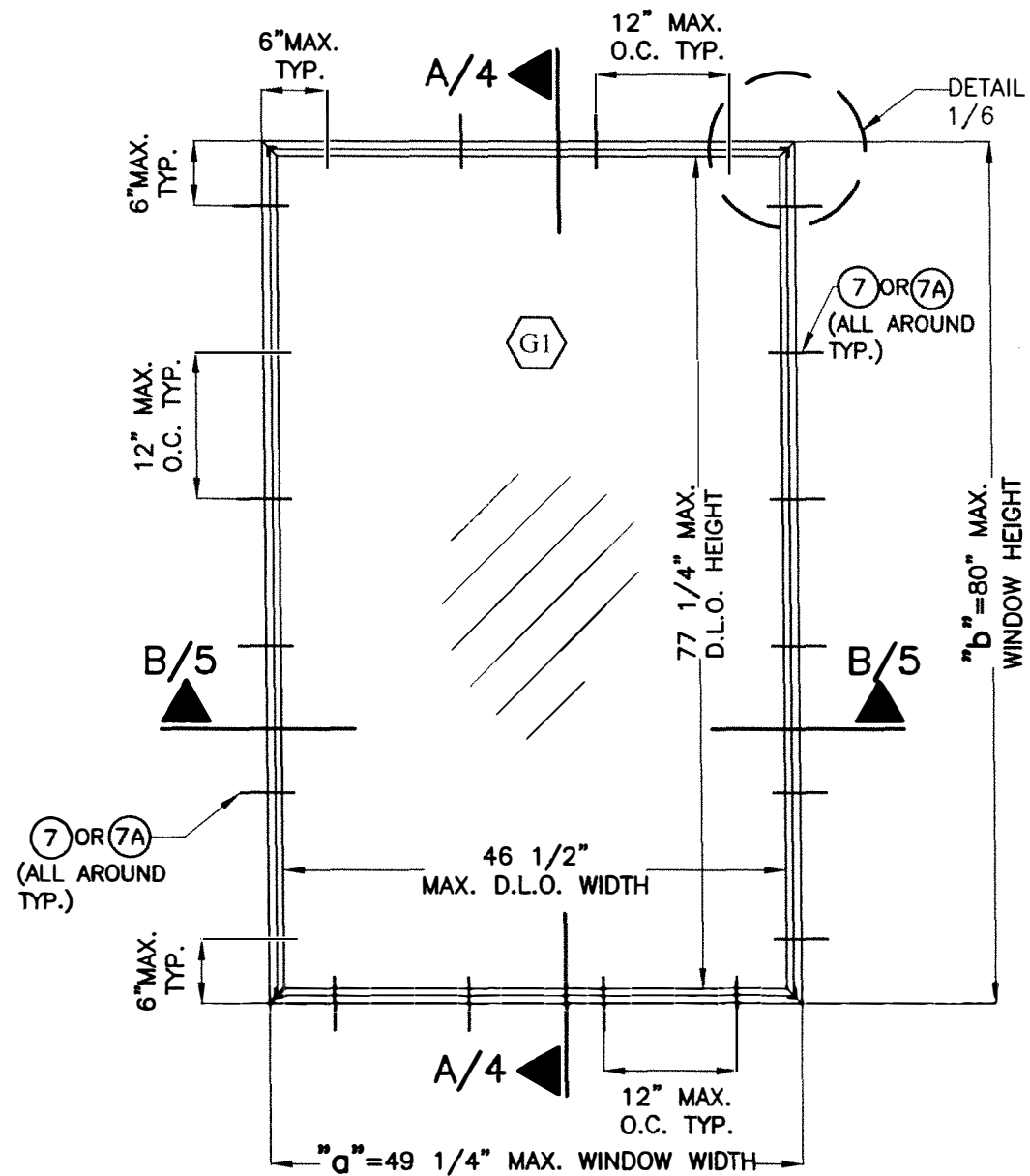
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W.H

01/22/2024
DATE

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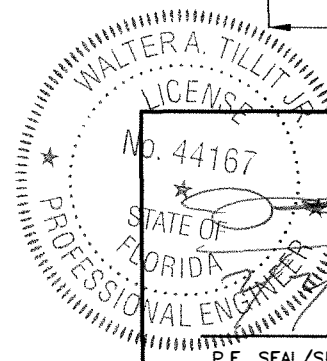
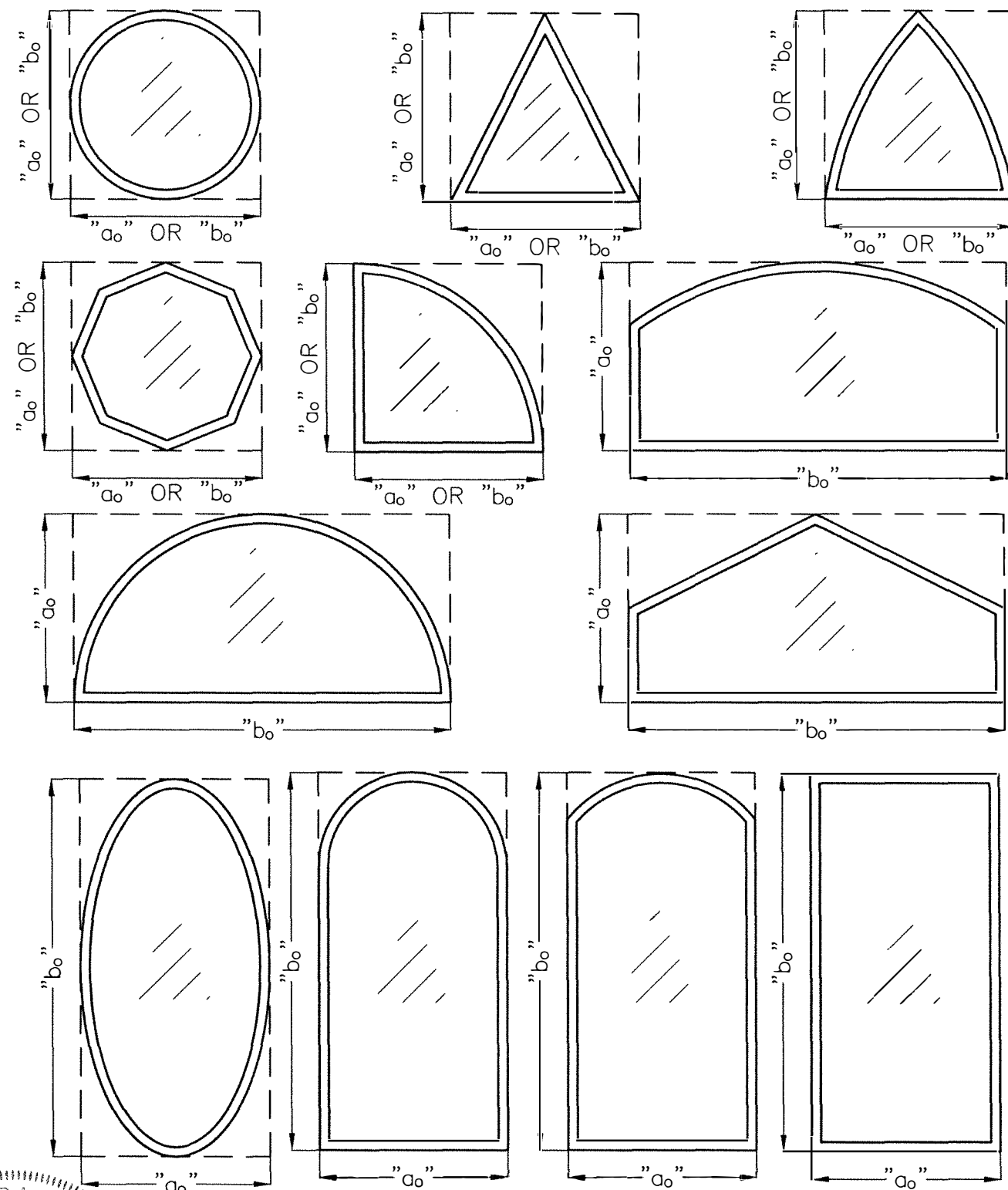


TYPICAL EXTERIOR ELEVATION

SCALE: N.T.S

MAX. A.S.D PRESSURE RATING (psf)	
FOR SIZE SHOWN OR SMALLER AS PERMITTED BY FBC	
+80	-80

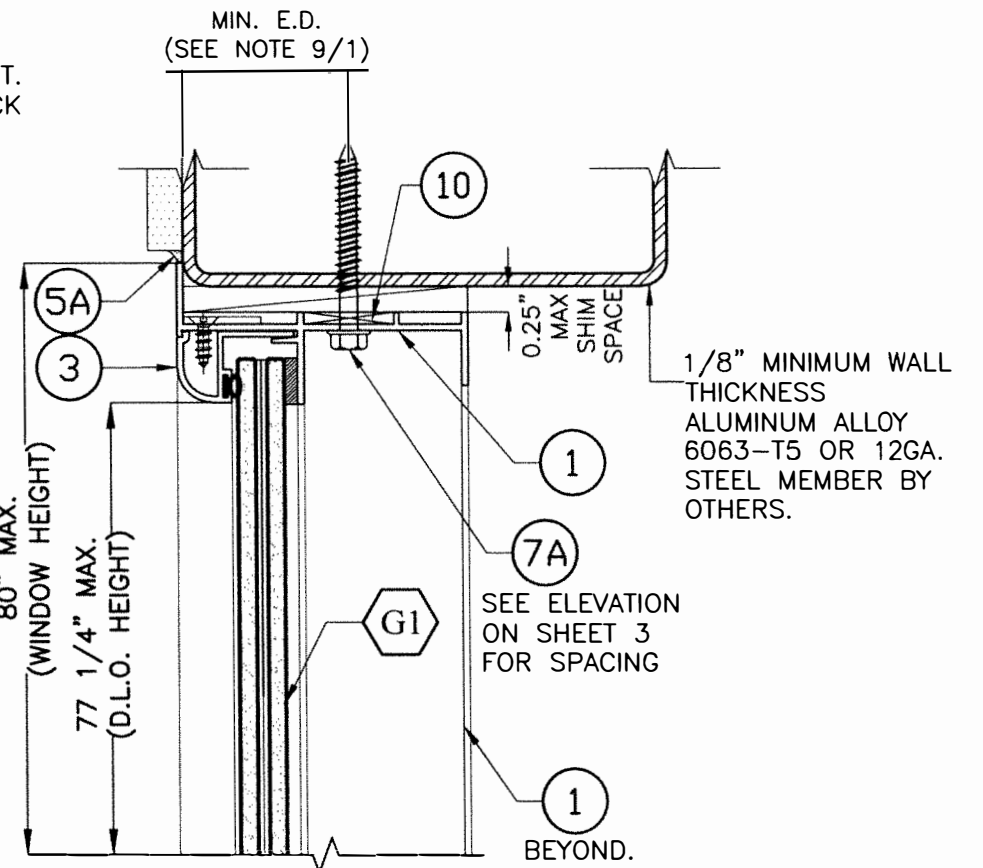
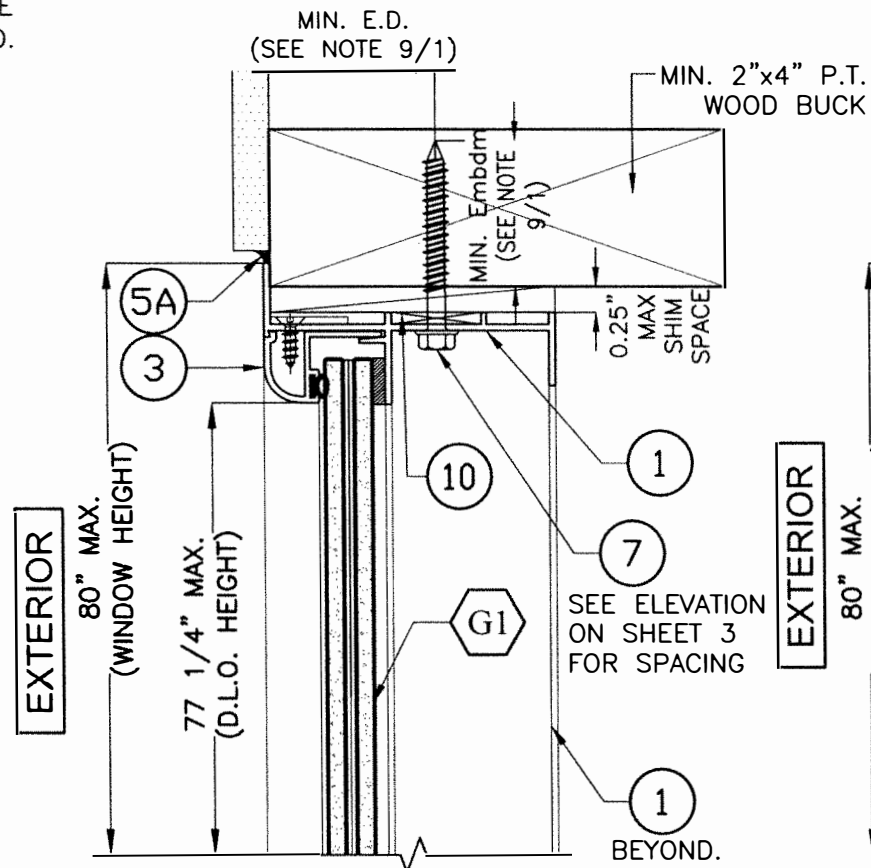
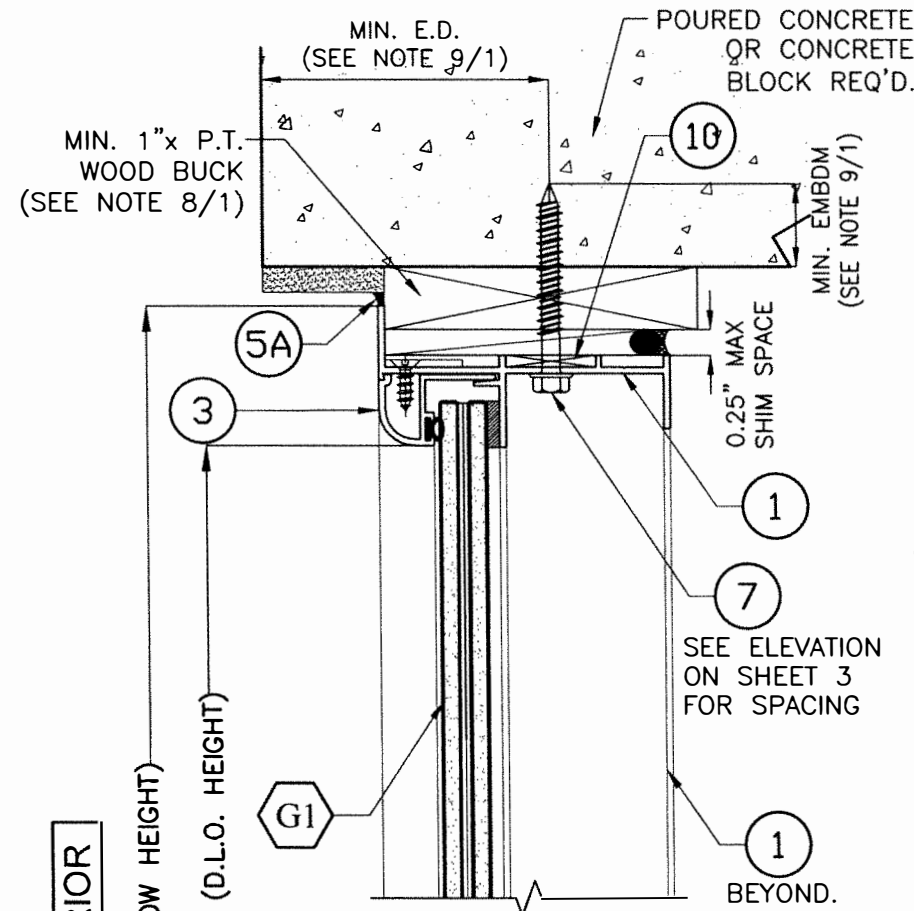
* MAXIMUM A.S.D. DESIGN PRESSURE RATING (psf) FOR ALTERNATE SHAPES DIFFERENT THAN SQUARE OR RECTANGULAR (AS SHOWN OR SIMILAR) ARE CERTIFIED AS LONG AS THEIR DIMENSIONS (a_o , b_o) CAN BE INSCRIBED WITHIN THE (" a " x " b ") DIMENSIONS SHOWN FOR RECTANGULAR SHAPES. THEN, " a_o " SHALL NO EXCEED " a " & " b_o " SHALL NOT EXCEED " b ".



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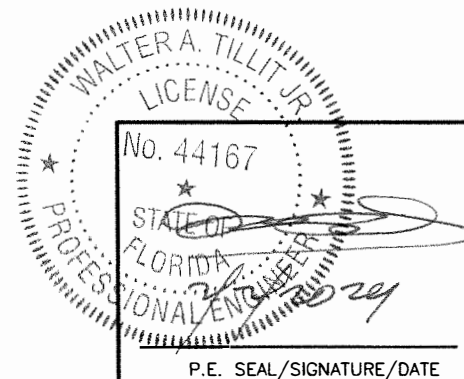
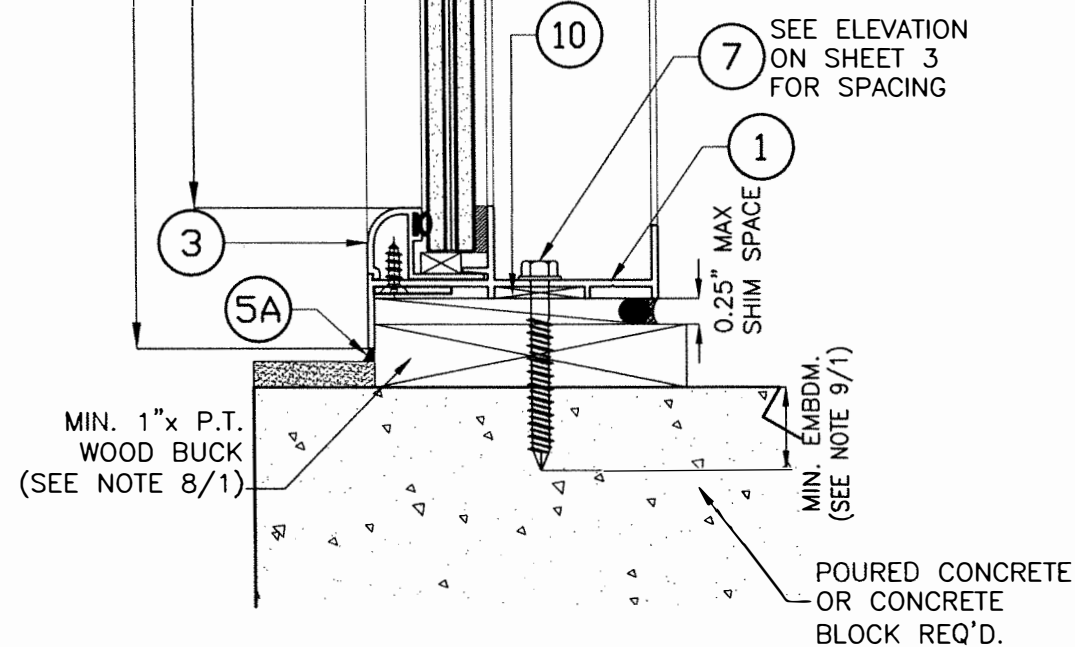
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MIAMI DADE ALUMINUM CORP.						01/22/2024 DATE
1615 WEST 31 ST PLACE HIALEAH, FL 33012 ph: 305-823-0099						24-011 DRAWING No
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SECTION A-A

SCALE: N.T.S.



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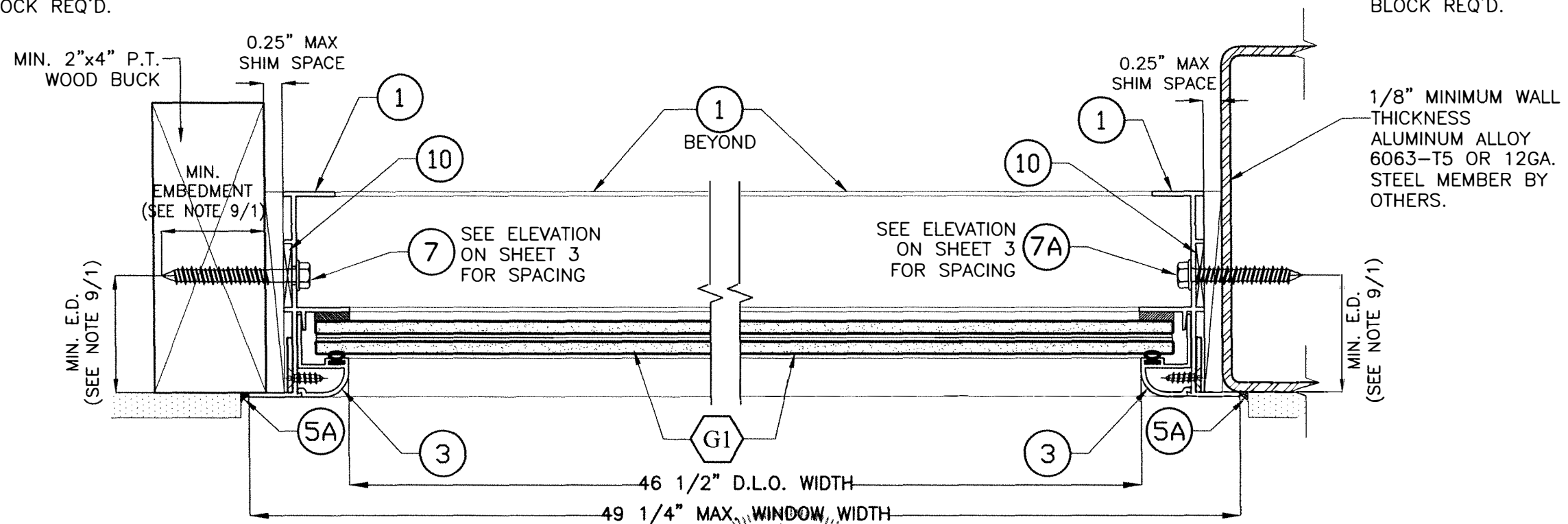
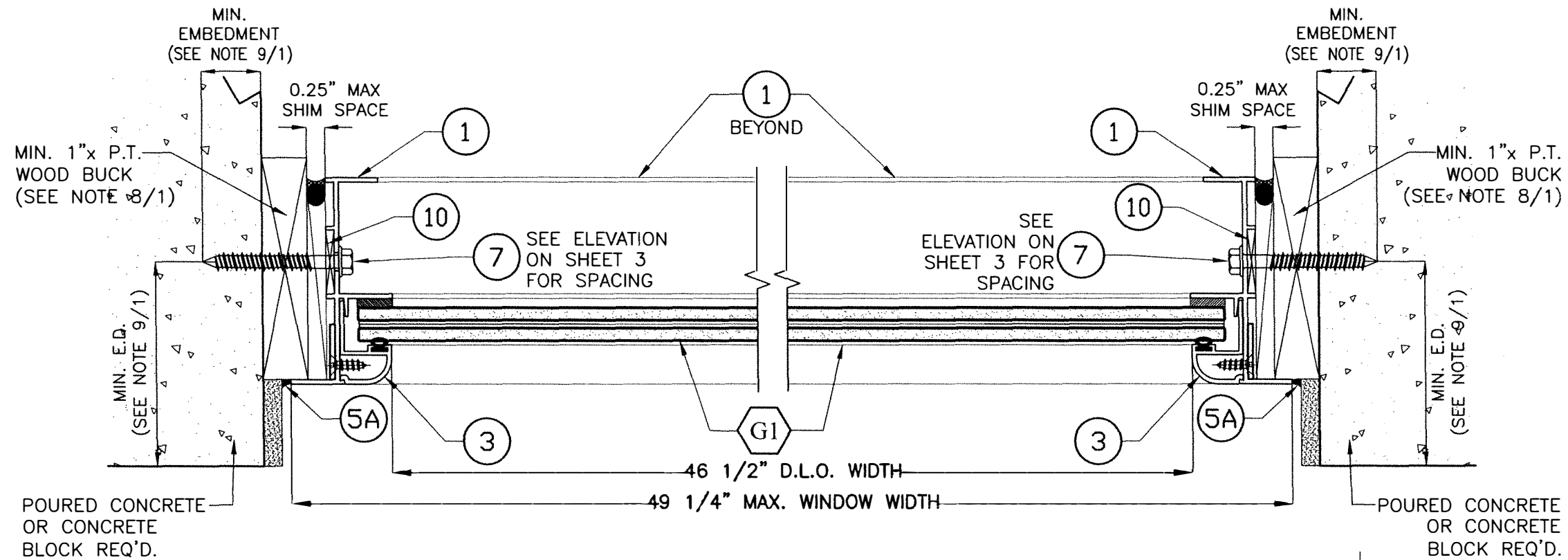
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W.H

01/22/2024
DATE

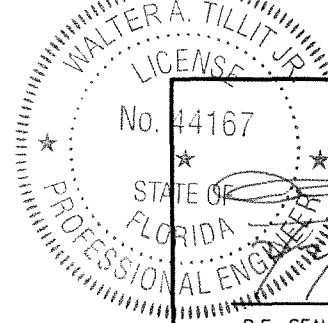
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SHEET 4 OF 6



SECTION B-B
SCALE: N.T.S



P.E. SEAL/SIGNATURE/DATE

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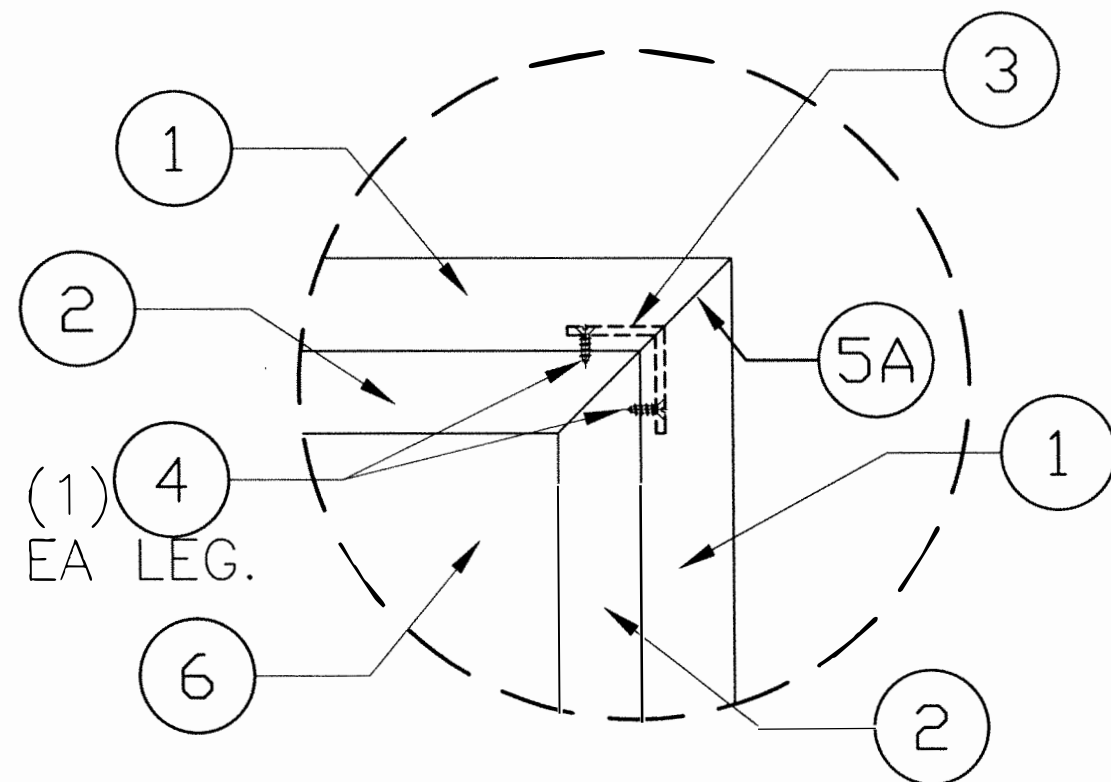
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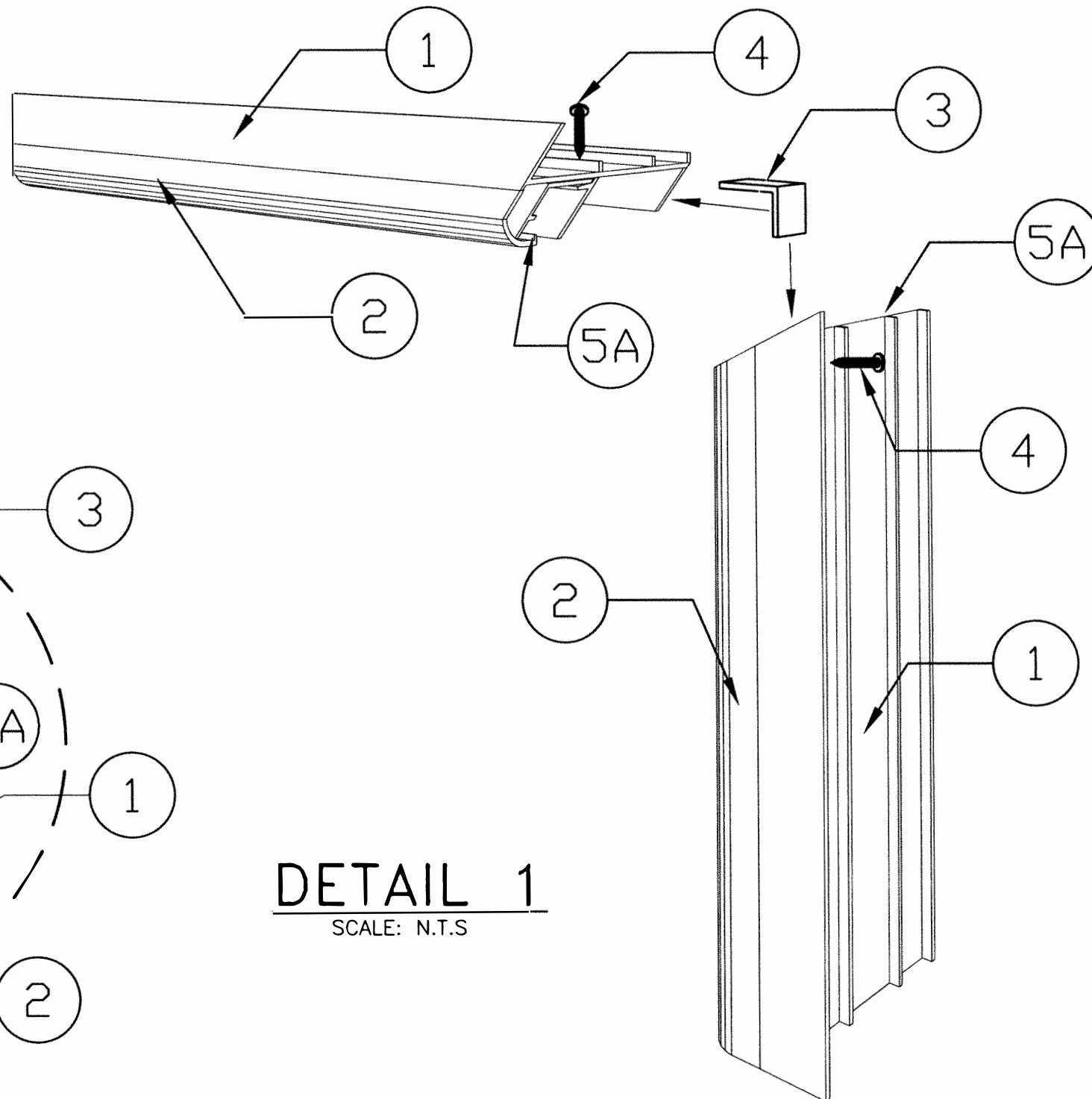
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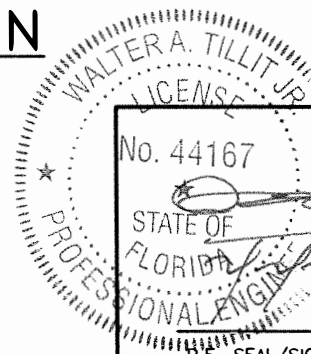
FRONT ELEVATION
TYPICAL CORNER FRAME CONNECTION
(TOP & BOTTOM)
 SCALE: N.T.S



DETAIL 1
 SCALE: N.T.S

ISOMETRIC VIEW

SCALE: N.T.S
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