

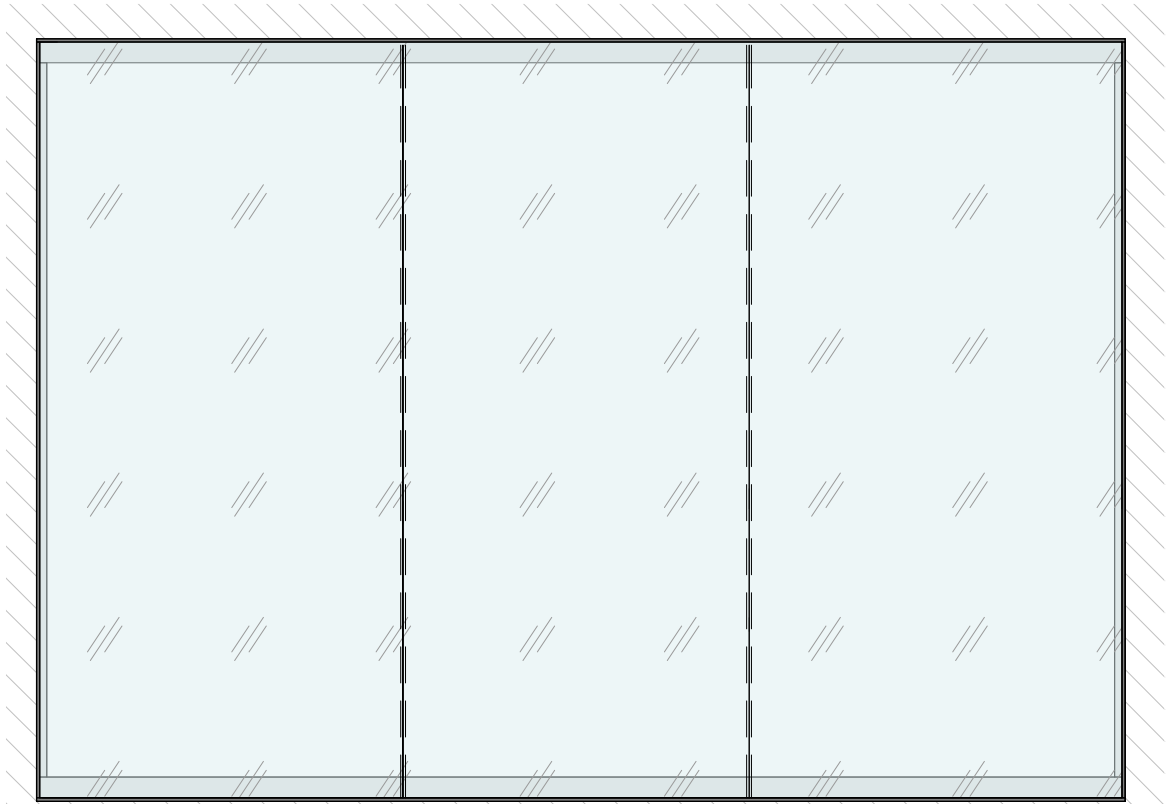
OGT WINDOW SYSTEMS, INC.
SV-1000 WINDOW WALL SYSTEM
(SMALL AND LARGE MISSILE IMPACT RATED)

FL# 47009

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NOTE:

- THIS PRODUCT APPROVAL DRAWING IS A TABULATED PERFORMANCE ANALYSIS OF THE INDIVIDUAL COMPONENTS AND DOES NOT CONTAIN INFORMATION ON EACH PROJECT SITE SPECIFIC CONDITION.
- STRUCTURAL, WATERPROOFING, SEALING, GUARD, AESTHETICS AND/OR OTHER MISCELLANEOUS REQUIREMENTS MUST BE COORDINATED AND APPROVED BY THE AUTHORITY HAVING JURISDICTION
- FOR SITE-SPECIFIC CONDITIONS WHERE THE DESIGN PRESSURE / PRODUCT SIZE EXCEEDS THE VALUES SHOWN IN THIS DOCUMENT, CONTACT OGT WINDOW SYSTEMS, INC. FOR SPECIAL APPROVALS THROUGH THEIR OFFICIAL MAIL **OGTWINDOWS@GMAIL.COM/** CONTACT DETAILS PROVIDED ON THE RIGHT SIDE OF THIS SHEET.



SV-1000 WINDOW WALL SYSTEM

- GENERAL NOTES:**
1. THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2023 (8TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

2. GLASS CAPACITIES FOUND IN THE CHARTS HEREIN THIS CERTIFICATION ARE BASED ON ASTM E1300-16 (3 SEC. GUSTS).

3. ALL DESIGN PRESSURES NOTED HEREIN ARE 'ALLOWABLE STRESS DESIGN' (ASD) PRESSURES BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR.

4. 1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

5. ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

6. GUARD REQUIREMENTS SHALL BE REVIEWED ON A SITE-SPECIFIC BASIS.

7. NO FACTORS HAVE BEEN USED IN ALLOWABLE STRESS CAPACITY OF THE PRODUCT. ANCHORS FOR WOODEN SUBSTRATE HAVE BEEN PROVIDED USING LOAD DURATION FACTOR OF Cd=1.6.

8. ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

9. MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

10. THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.

11. CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

12. CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.

13. THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.

14. THE ARCHITECT/ENGINEER OF RECORD FOR THE PROJECT SUPERSTRUCTURE WITH WHICH THIS PRODUCT IS USED SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL SUBSTRATES WHICH SHALL BE COORDINATED BY THE PERMITTING CONTRACTOR. WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE SUPPORTING STRUCTURE.

15. THIS PRODUCT APPROVAL DRAWING SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

16. ENSURE A COMPREHENSIVE REVIEW OF THE NOTES ON EACH SHEET TO AVOID ANY POTENTIAL PROBLEM IN UTILIZING THIS APPROVAL.

17. MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

18. FASTENERS DESCRIBED IN THIS CERTIFICATION ARE PERMITTED TO BE SUBSTITUTED, PROVIDED THAT STRENGTH OF THE ALTERNATIVE ANCHOR IS EQUAL TO OR GREATER THAN THE ORIGINALLY SPECIFIED ANCHOR. FINAL APPROVAL OF SUBSTITUTED ANCHORS SHALL BE BY OTHERS.

19. WOOD SCREWS REFERENCED IN THIS CERTIFICATION SHALL BE GRADE 2 MIN. (Fu = 74,000 PSI).

20. FASTENERS SHALL BE CADMIUM PLATED OR OTHERWISE CORROSION-RESISTANT MATERIAL AND SHALL COMPLY WITH "SPECIFICATIONS FOR ALUMINUM STRUCTURES" SECTION J.3 OF THE CURRENT CODE BY THE ALUMINUM ASSOCIATION, INC., & ANY APPLICABLE FEDERAL, STATE, AND/OR LOCAL CODES.

21. ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.

22. SAFEGUARDS MUST BE OBSERVED (NOT PART OF THIS CERTIFICATION).

23. THIS SYSTEM IS APPROVED FOR FORCED ENTRY RESISTANCE.

INSTRUCTIONS:

STEP 1: WIND PRESSURE CALCULATION (BY OTHERS)-
DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.

STEP 2: SIZE AND CAPACITY SELECTION-
SEE THE LOADING CHART FOR GLASS AND MULLION ON SHEET **102**. USE THE LOWER VALUE FROM THE TWO CHARTS, CORRESPONDING TO THE DESIRED WINDOW SIZE AS THE DESIGN LOAD CAPACITY OF THE SYSTEM. THIS VALUE SHOULD NOT EXCEED THE DESIGN WIND LOAD REQUIREMENT OBTAINED IN STEP 1 ABOVE.

STEP 3: ANCHOR SELECTION-
SELECT APPROPRIATE ANCHOR FROM SHEET **105**. USE ANCHORAGE DETAIL AS PER THE SUBSTRATE FROM THE SAME.

THIS SYSTEM IS APPROVED FOR INSTALLATION WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

THIS SYSTEM IS RATED FOR SMALL & LARGE MISSILE IMPACT.



JAVAD AHMAD PE, inc
7875 NW 12th St., Suite 102
Doral, FL 33126
Ph: (305) 424-8001
support@ja-pe.com

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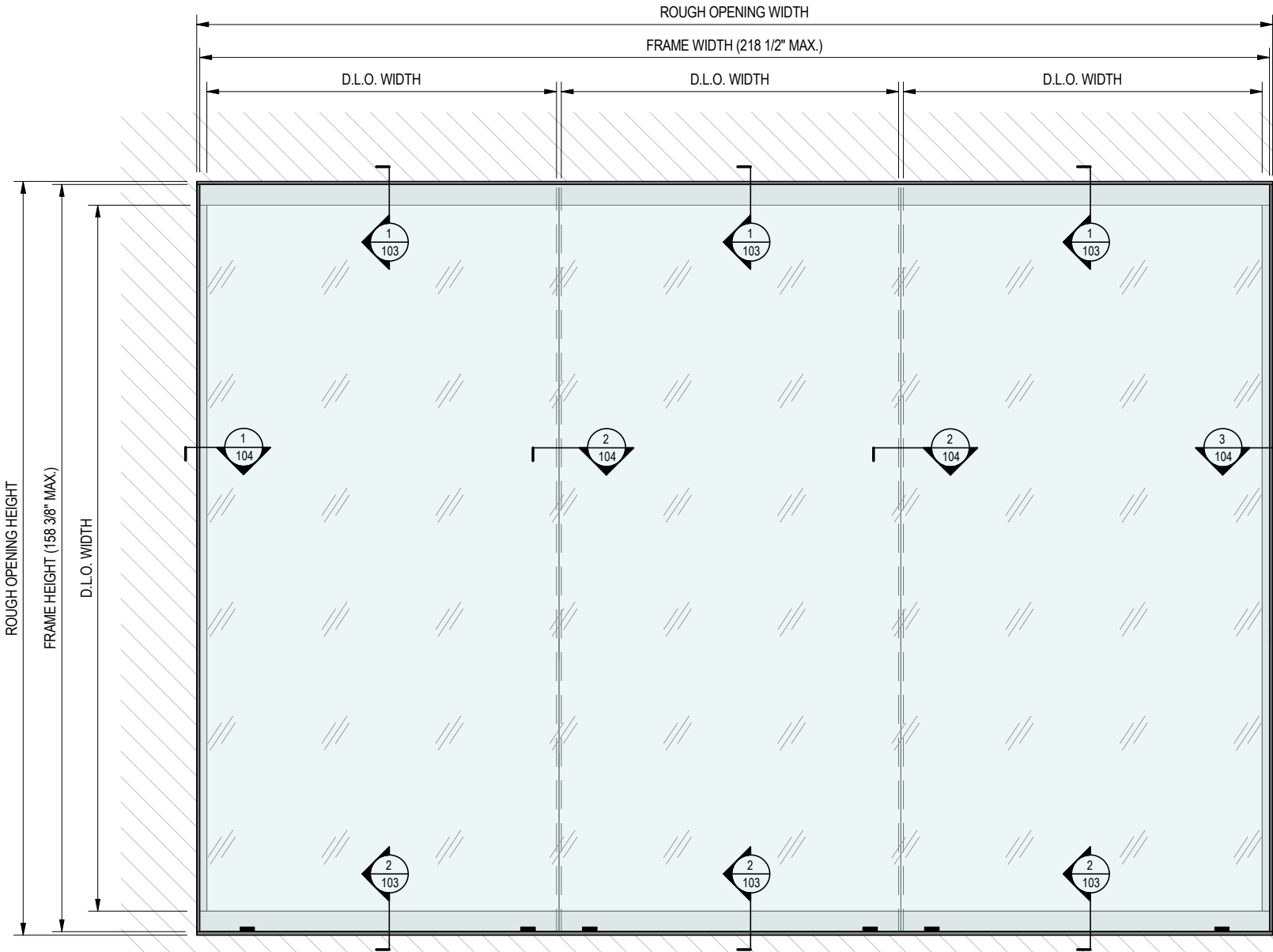
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(LARGE AND SMALL MISSILE IMPACT RATED)

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PH. +1 (305) 594 3999

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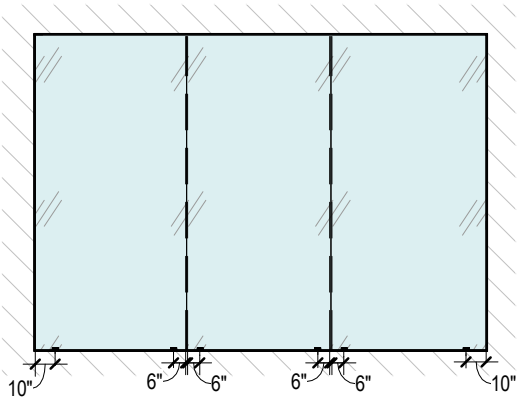


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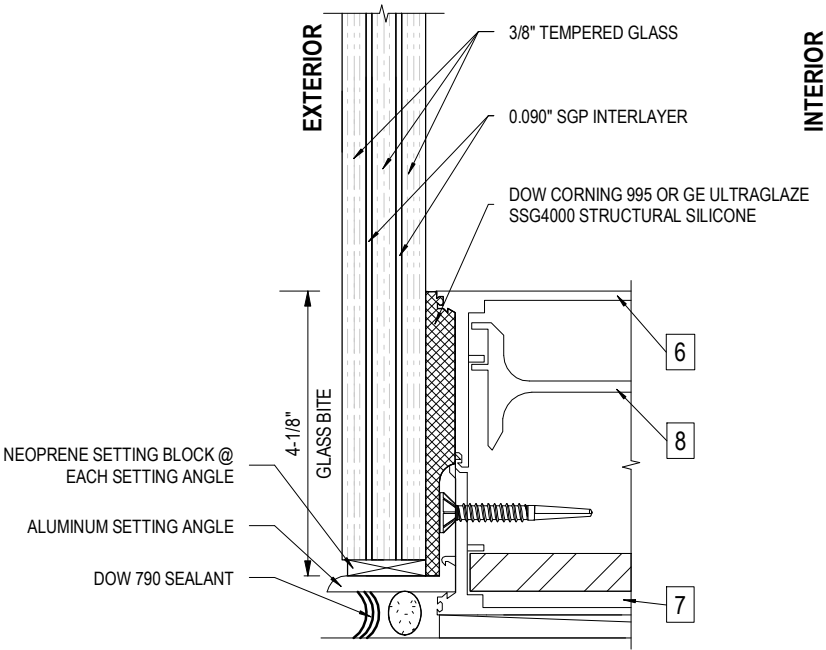


FOR ANCHORAGE DETAILS, SEE SHEET 105.

1
102
SV-1000 WINDOW WALL SYSTEM- TYPICAL ELEVATION
NOT TO SCALE



SETTING ANGLE LAYOUT



ALLOWABLE DESIGN PRESSURE: (+/-) 130 PSF
MAX. FRAME SIZE: 218 1/2" (W) X 158 3/8" (H)

2
102
GLASS UNIT DETAIL
NOT TO SCALE



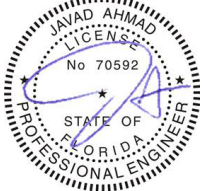
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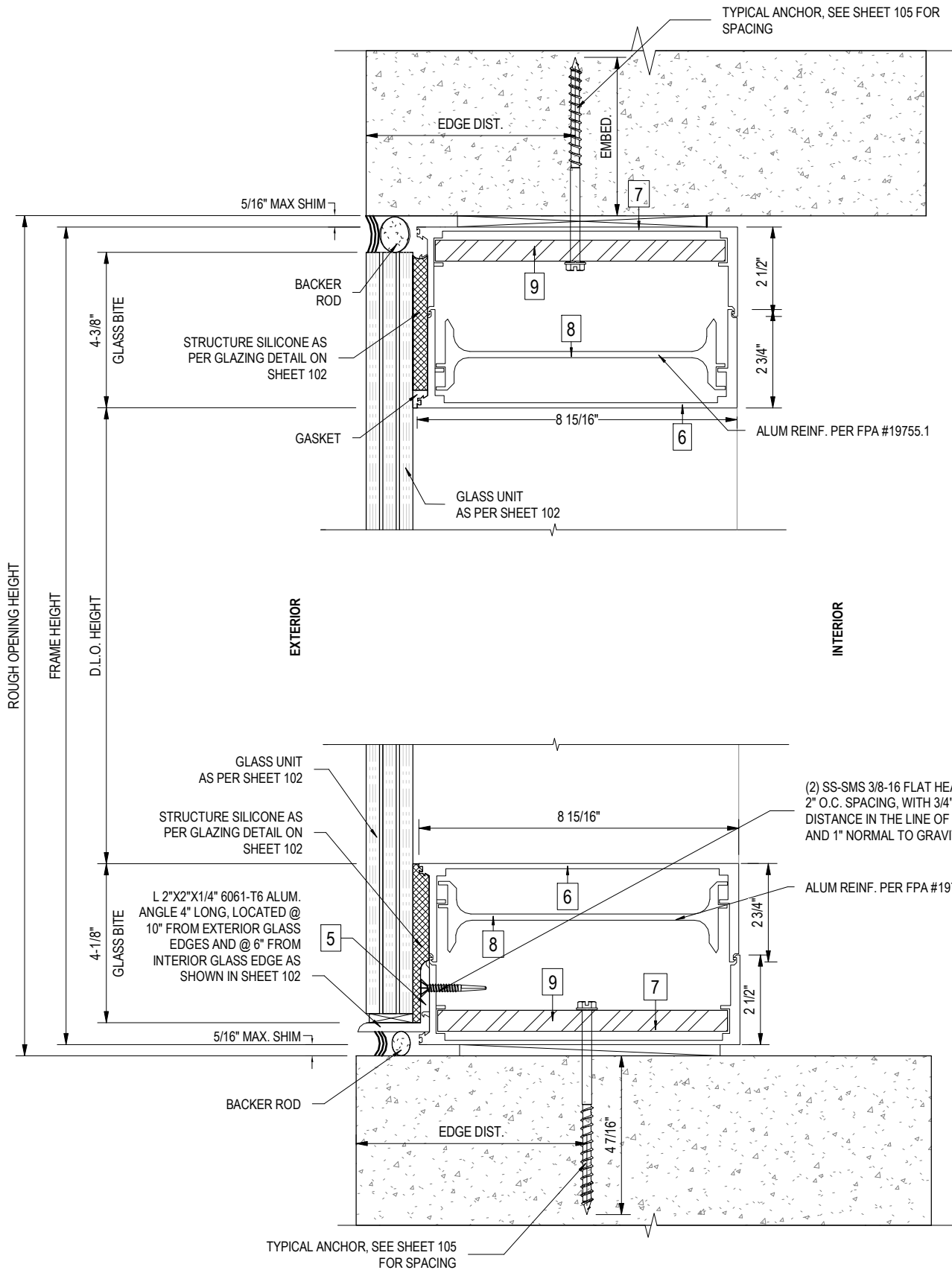
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1
103
HEAD SECTIONAL DETAIL
NOT TO SCALE

2
103
SILL SECTIONAL DETAIL
NOT TO SCALE



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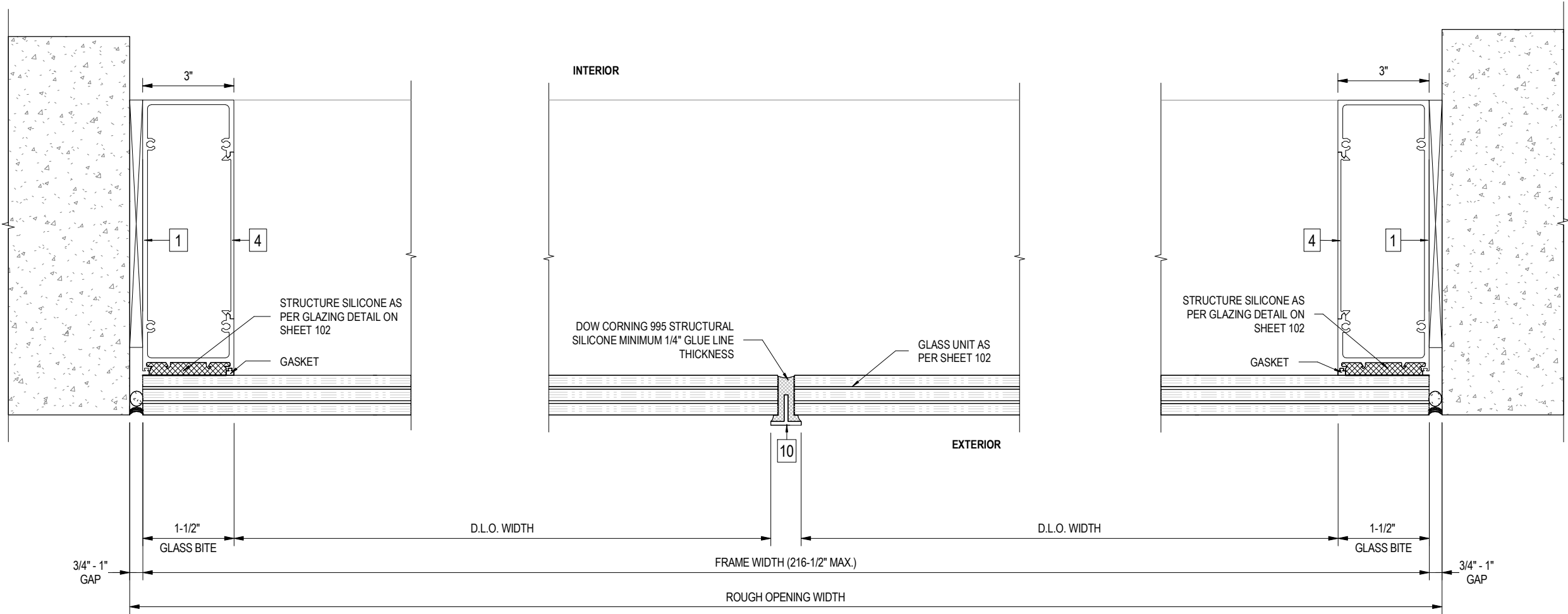
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1
104
JAMB SECTIONAL DETAIL 1
NOT TO SCALE

2
104
INTERMEDIATE T-CAP DETAIL
NOT TO SCALE

3
104
JAMB SECTIONAL DETAIL 2
NOT TO SCALE



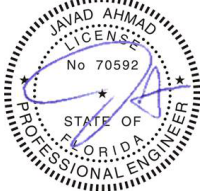
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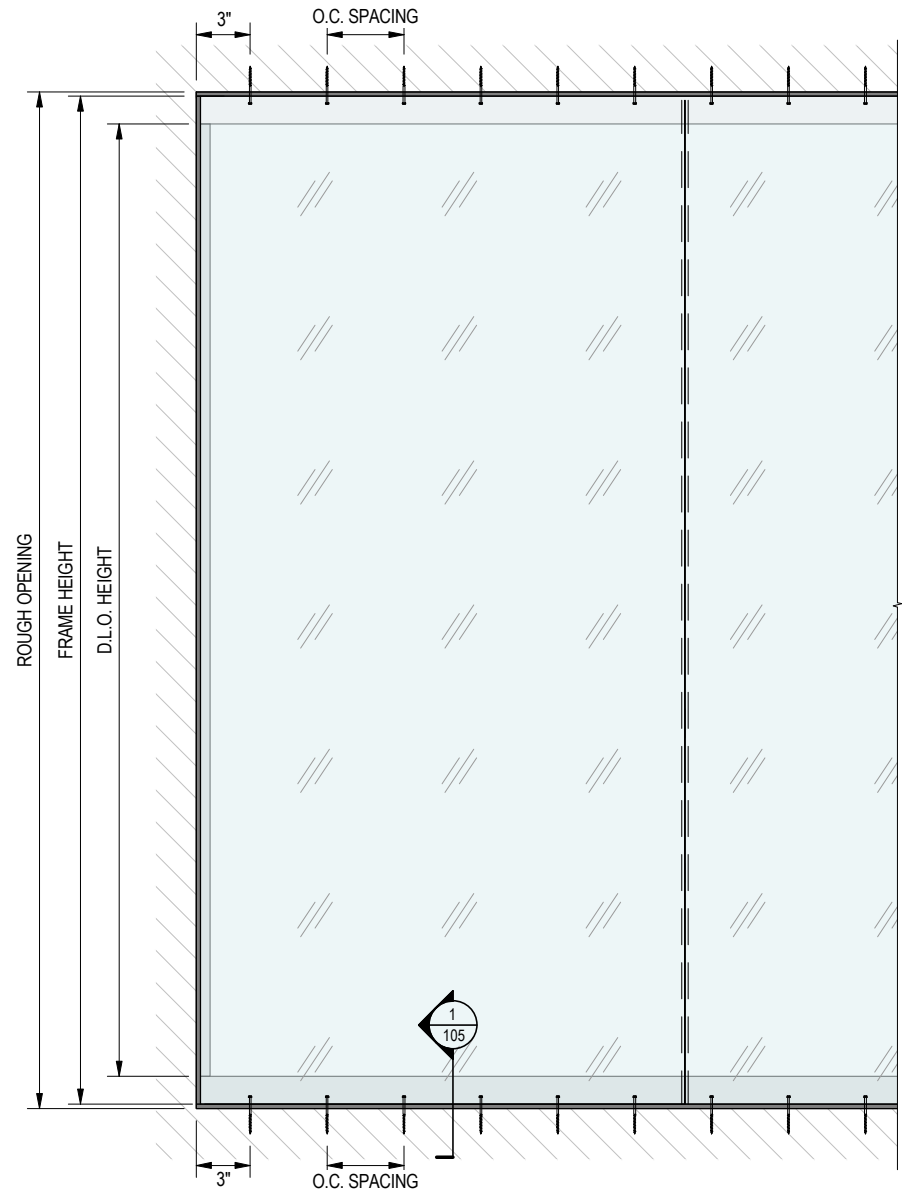
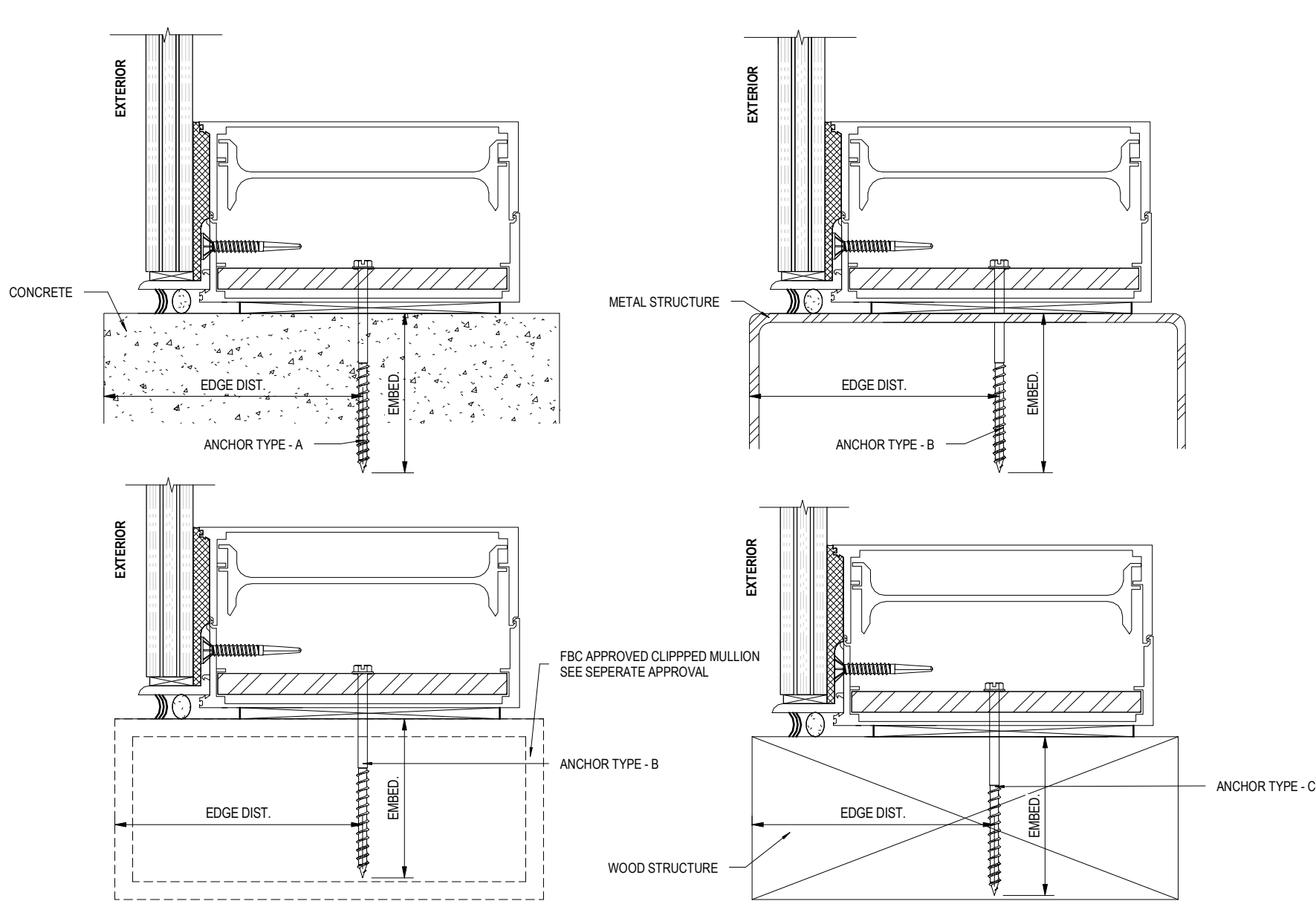
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1 ANCHORAGE IN DIFFERENT SUBSTRATES
NOT TO SCALE

2 TYPICAL ANCHORAGE LAYOUT
NOT TO SCALE

- TYPICAL ANCHOR TYPES**
(APPLIES TO ALL ANCHORS GOING THROUGH THE FRAME):
- TYPE A - 1/4" DEWALT ULTRACON+ (Fu = 177,000 PSI, Fy = 155,000 PSI)**
- THRU 1BY WOOD INTO CONCRETE, WITH 1-3/4" EMBEDMENT, AND 2-1/2" MIN EDGE DISTANCE, AND 6" O.C. SPACING.
 - DIRECTLY INTO CONCRETE, WITH 1-3/4" EMBEDMENT, AND 2-1/2" MIN EDGE DISTANCE AND 6" O.C. SPACING.
- TYPE B - 1/4-20 SAE SCREW (GRADE 5 MIN. OR EQUIVALENT)**
- INTO 1/8" MIN. THK. ALUMINUM / STEEL WITH (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS, AND 3/4" MIN EDGE DISTANCE AND 8" O.C. SPACING.
 - INTO MIN. 1/8" THK. APPROVED MULLIONS WITH (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS, AND 3/4" MIN EDGE DISTANCE AND 8" O.C. SPACING.
- TYPE C - #24 WOOD SCREWS (MIN. FY = 45 KSI)**
- INTO MIN. 2 PLY 2BY WOOD WITH 3" EMBEDMENT AND 3" MIN. EDGE DISTANCE AND 6" O.C. SPACING.

- ANCHOR / SUBSTRATE NOTES:**
- WOOD AT HEAD OR JAMBS IS SOUTHERN YELLOW PINE #2 (SG=0.55 MIN.)
 - CONCRETE AT HEAD OR JAMBS f_c= 3000 PSI
 - STEEL (1/8" THK., A36 MIN) AT HEAD OR JAMBS
 - ALUMINUM (1/8" THK., 6063-T6 MIN) AT HEAD OR JAMBS
 - STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED

NOTE:
THE WOOD BUCKS, CONCRETE AND METAL STRUCTURE SHOWN ON THIS SHEET SHALL BE DESIGNED BY OTHERS AND ARE NOT PART OF THIS APPROVAL. THEY MUST BE CAPABLE OF WITHSTANDING THE LOADS IMPOSED BY THE GLAZING SYSTEM AND TRANSFERRING THEM TO THE BUILDING STRUCTURE.

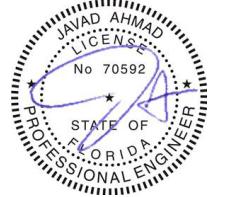
SEALANTS:
ALL JOINTS AND FRAME CONNECTIONS SHALL BE SEALED WITH ALUMINUM COLOR SEALANT.



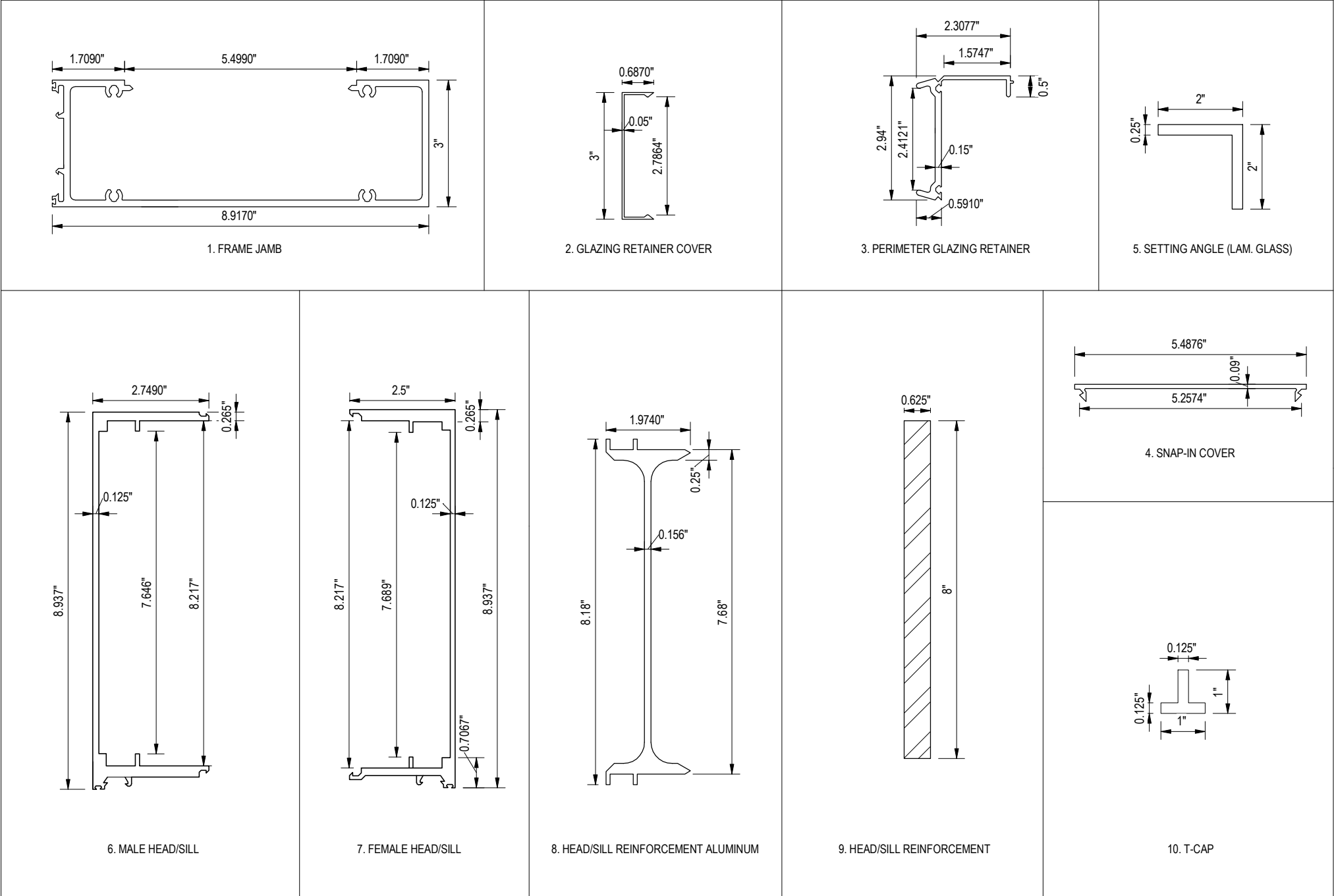
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ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	OIC-017	AS REQD.	FRAME JAMB	6063-T6	-
2	OIC-019	AS REQD.	GLAZING RETAINER COVER	6063-T6	-
3	OIC-018	AS REQD.	PERIMETER GLAZING RETAINER(LAM.GLASS)	6063-T6	-
4	CSM-1027	AS REQD.	SNAP-IN COVER	6063-T6	-
5	-	AS REQD.	SETTING ANGLE (LAM. GLASS)	6061-T6	2X2X1/4" , 4" LONG
6	OGT-24	AS REQD.	MALE HEAD/SILL	6063-T6	-
7	OGT-25	AS REQD.	FEMALE HEAD/SILL	6063-T6	-
8	OIC-68	-	HEAD/SILL REINFORCEMENT	6063-T6	-
9	-	-	HEAD/SILL REINFORCEMENT	STEEL	-
10	-	AS REQD.	T-CAP	6061-T5	1X1X1/8"
11	-	AS REQD.	SETTING BLOCK	NEOPRENE	-



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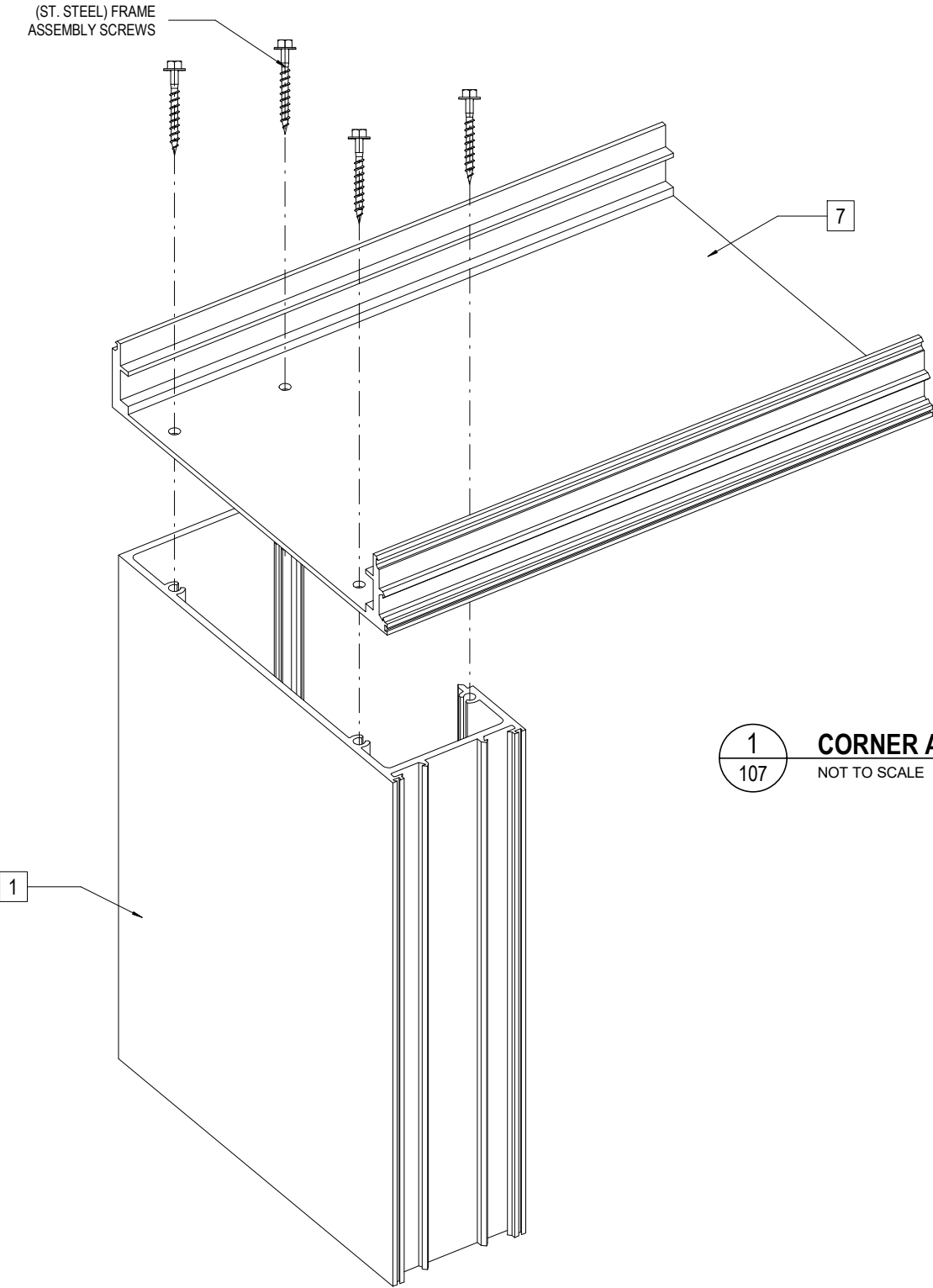
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1
107

CORNER ASSEMBLY DETAILS
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