

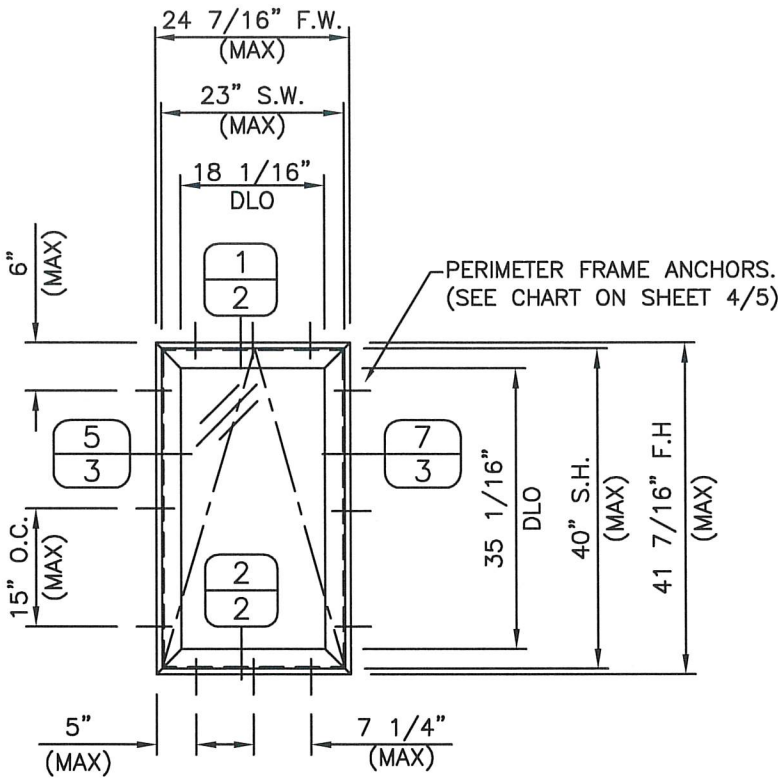
AWC-100 SERIES PROJECTED WINDOWS

GENERAL NOTES:

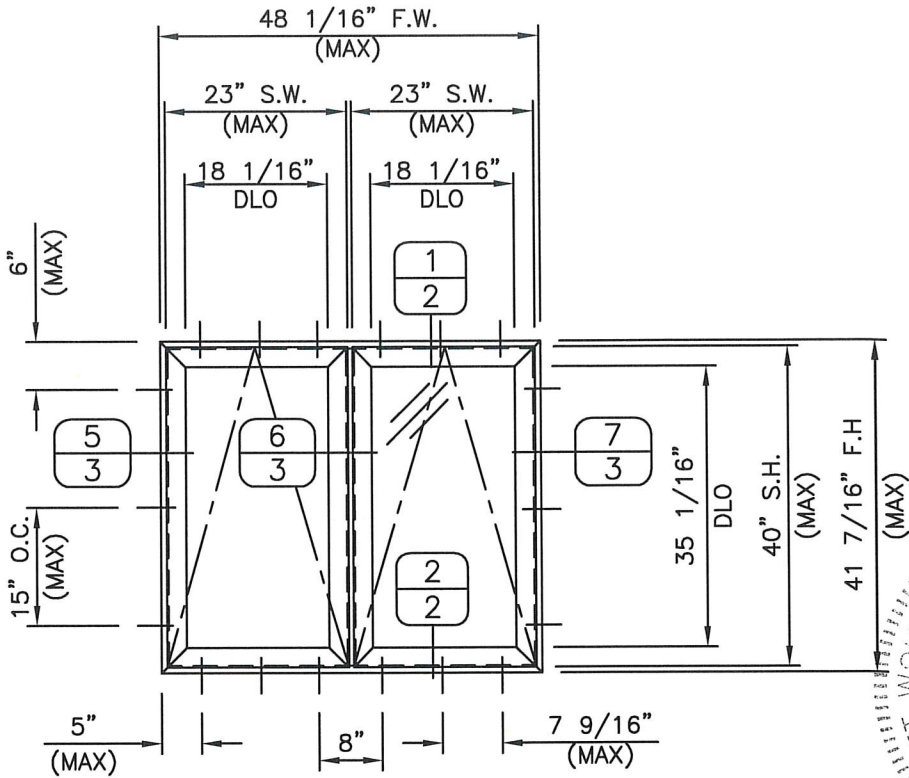
- 1. ALLOWABLE DESIGN PRESSURE: +/- 54.3 PSF (ASD). DESIGN PRESSURES ARE LIMITED BY ASTM E1300 GLASS CALCULATIONS AND AIR, WATER, & STRUCTURAL TESTING.
- 2. THIS PRODUCT HAS BEEN DESIGNED AND TESTED PER TAS 202 PROTOCOLS IN ACCORDANCE WITH THE REQUIREMENTS OF THE 8TH EDITION (2023) FLORIDA BUILDING CODE, FOR USE OUTSIDE OF THE HIGH VELOCITY HURRICANE ZONE.
- 3. THIS PRODUCT HAS NOT BEEN TESTED FOR IMPACT RESISTANCE. SHUTTERS ARE REQUIRED IN WINDBORNE DEBRIS REGIONS.
- 4. WOOD OR MASONRY OPENINGS, BUCKS (OPTIONAL), AND BUCK FASTENERS, BY OTHERS, SHALL BE PROPERLY DESIGNED AND INSTALLED TO TRANSFER LOADS TO THE STRUCTURE.
- 5. ANCHOR TYPE, SIZE, SPACING, AND EMBEDMENT SHALL BE AS INDICATED IN THIS APPROVAL. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO.
- 6. ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE CAPABLE OF PREVENTING CORROSION DUE TO REACTION WITH PRESSURE TREATMENT CHEMICALS.
- 7. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE PROTECTED TO PREVENT GALVANIC REACTIONS.
- 8. NO STRESS INCREASES WERE USED IN THE DESIGN OR ANALYSIS OF THIS PRODUCT. A WIND LOAD DURATION FACTOR Cd = 1.6 WAS USED FOR THE ANALYSIS OF WOOD SCREWS ONLY.

CORNER CONSTRUCTION:

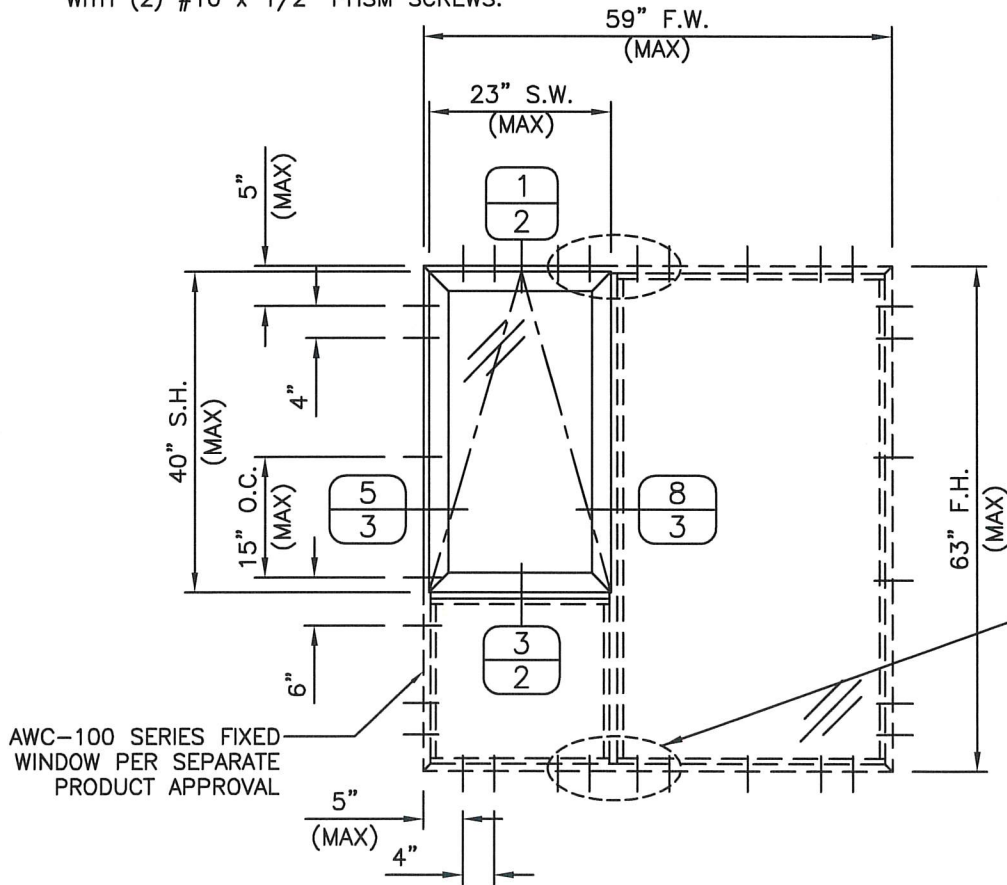
- 9. WINDOW FRAME AND SASH CORNERS ARE MITERED AND CRIMPED OVER BGY4529 CORNER ANGLES, AND MECHANICALLY FASTENED WITH (4) #10 x 1/2" PHSM SCREWS.
- 10. INTERMEDIATE MULLIONS ARE COPED, BUTTED, AND FASTENED WITH (2) #10 x 1/2" PHSM SCREWS.



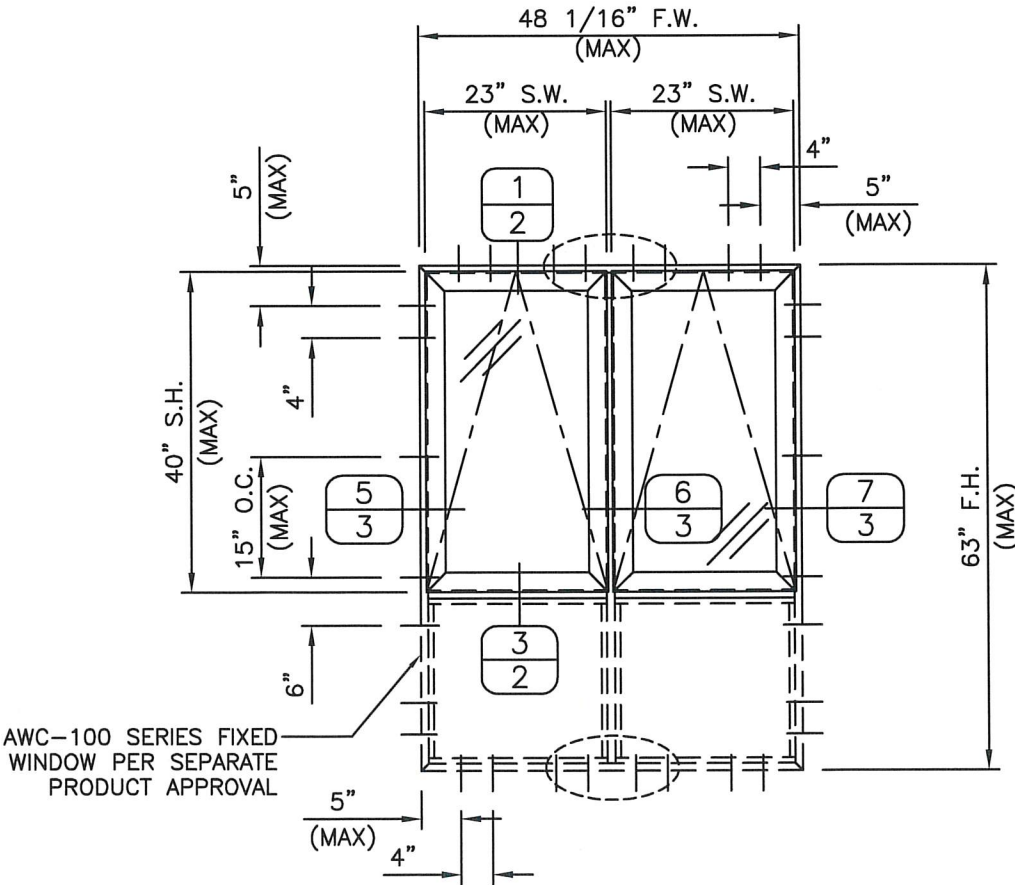
SINGLE PROJECTED WINDOW
(EXTERIOR VIEW)



DOUBLE PROJECTED WINDOW
(EXTERIOR VIEW)



SINGLE PROJECTED WINDOW
IN FIXED FRAME



DOUBLE PROJECTED WINDOW
IN FIXED FRAME

DESIGN PRESSURE
+/- 54.3 PSF

AWC-100 SERIES FIXED
WINDOW PER SEPARATE
PRODUCT APPROVAL

AWC-100 SERIES FIXED
WINDOW PER SEPARATE
PRODUCT APPROVAL

8/30/23	DATE
REV.#	ISSUED FOR
1ST SUBMITTAL	PRINTS

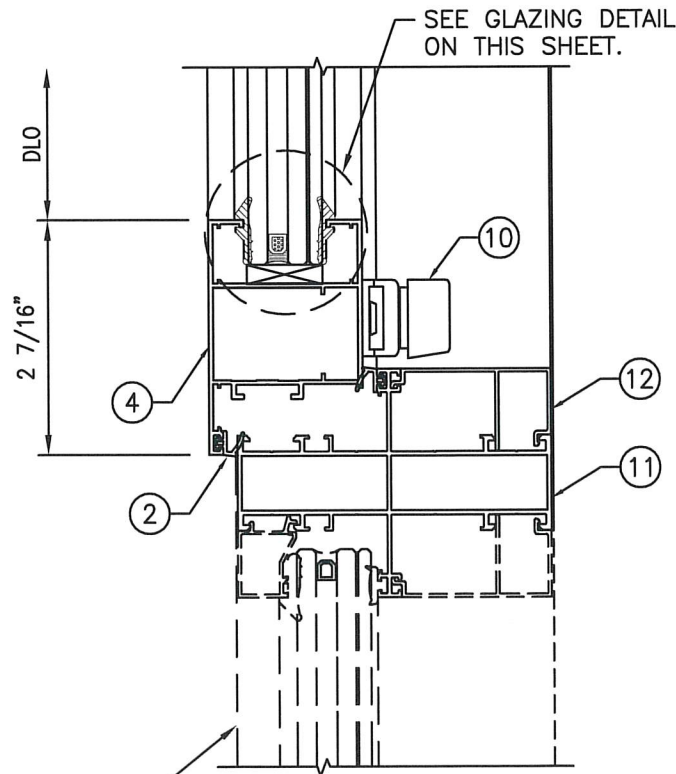
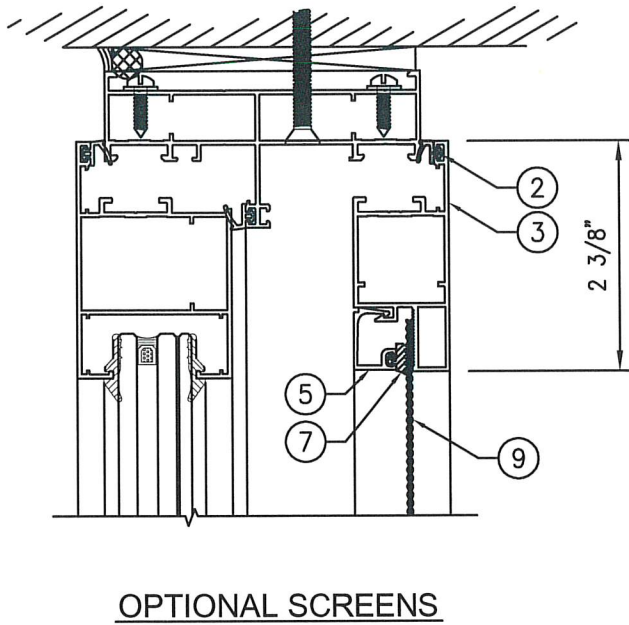
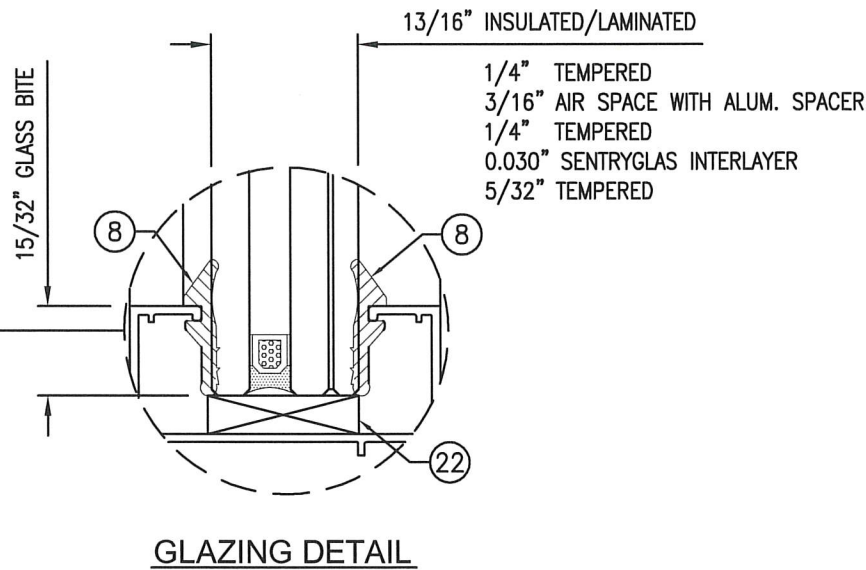
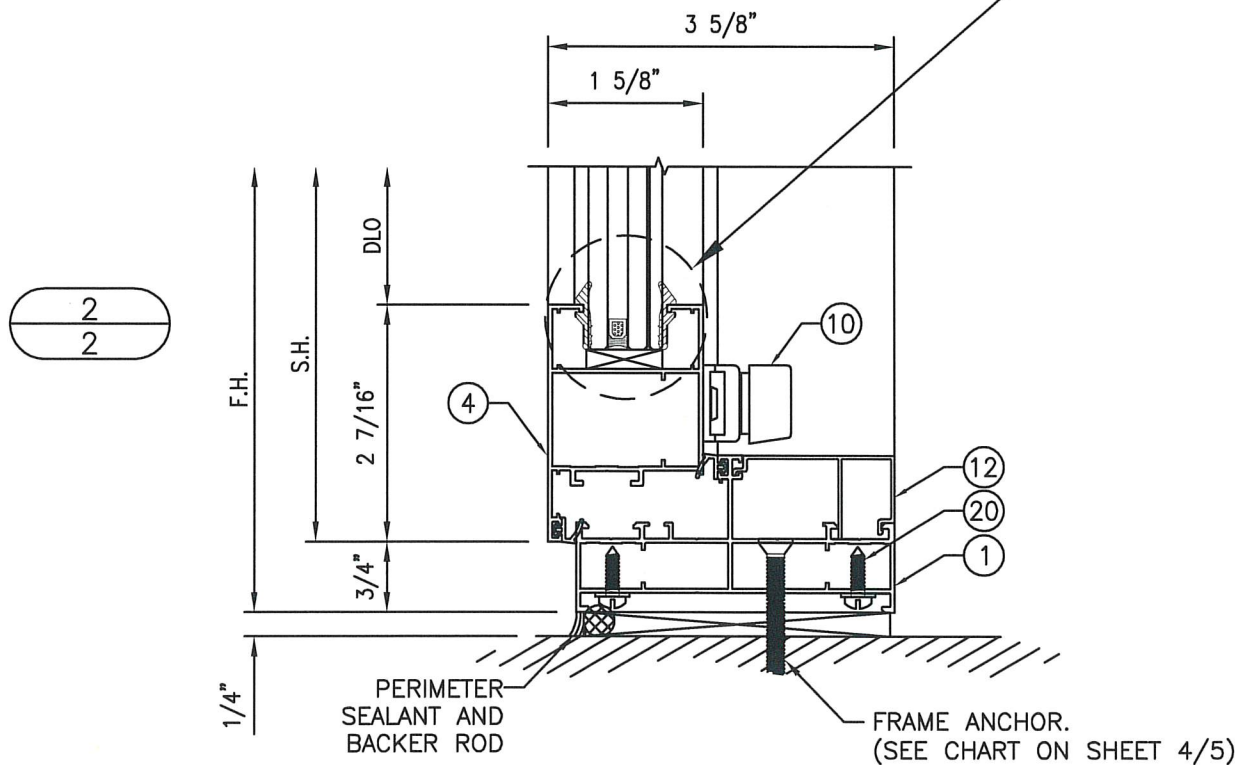
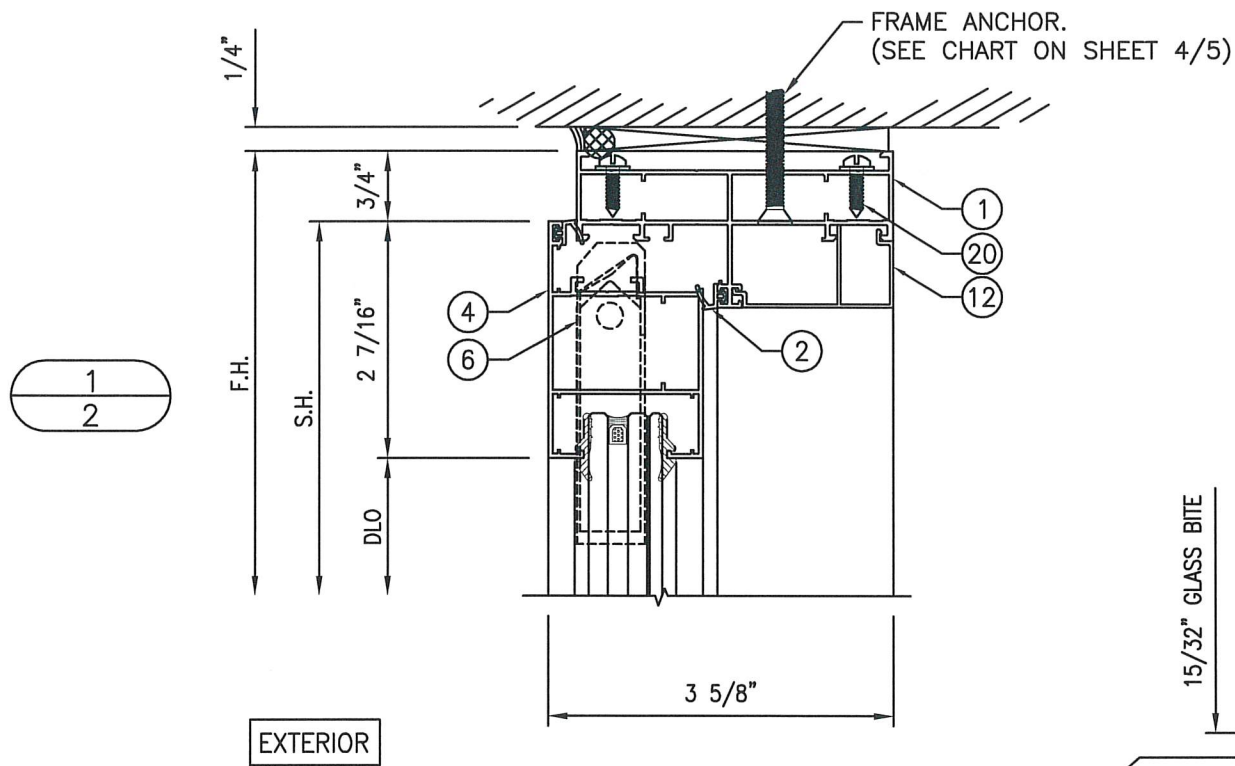
SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N. 33412
WEST PALM BEACH, FL 33412
(561) 225-1982

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DWG:
AWC100-PR
SHEET:
1/5

AWC-100 SERIES PROJECTED WINDOWS



ACW-100 SERIES
FIXED WINDOW
PER SEPARATE
PRODUCT APPROVAL



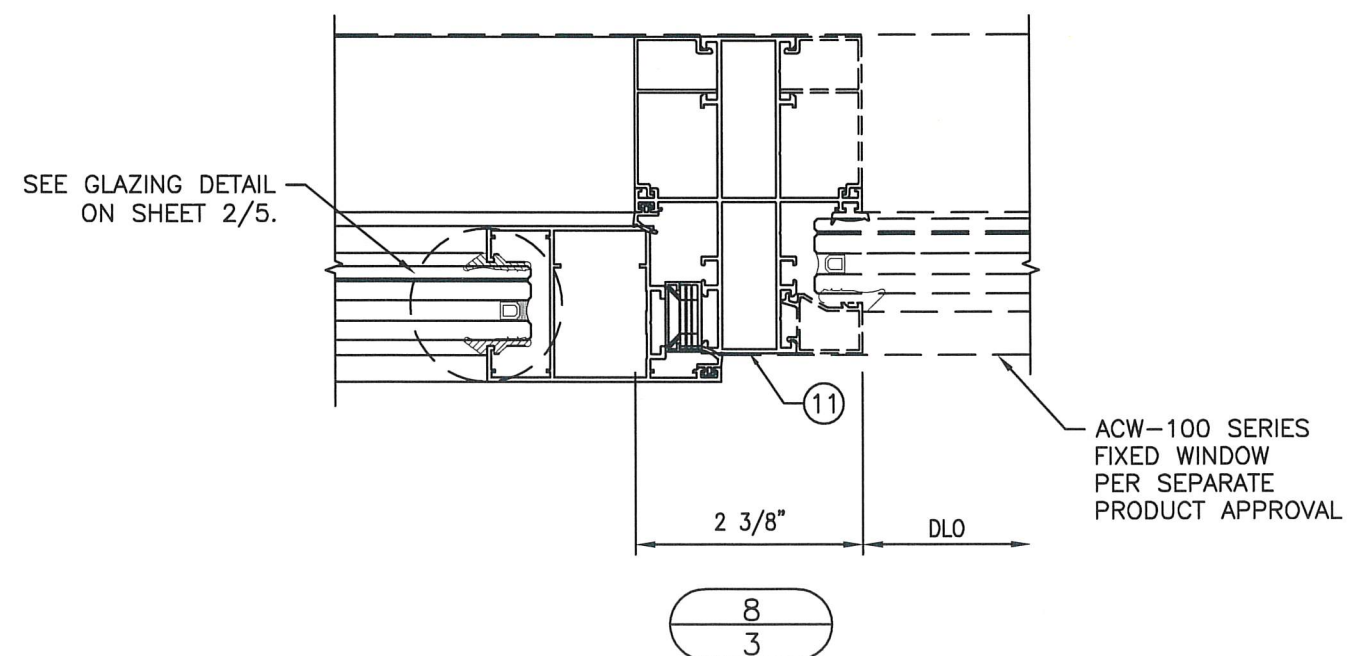
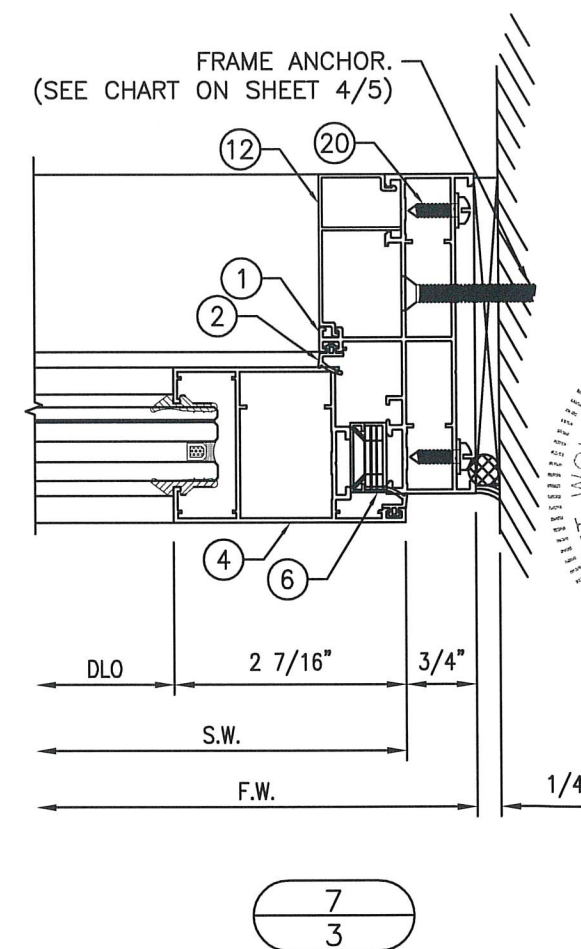
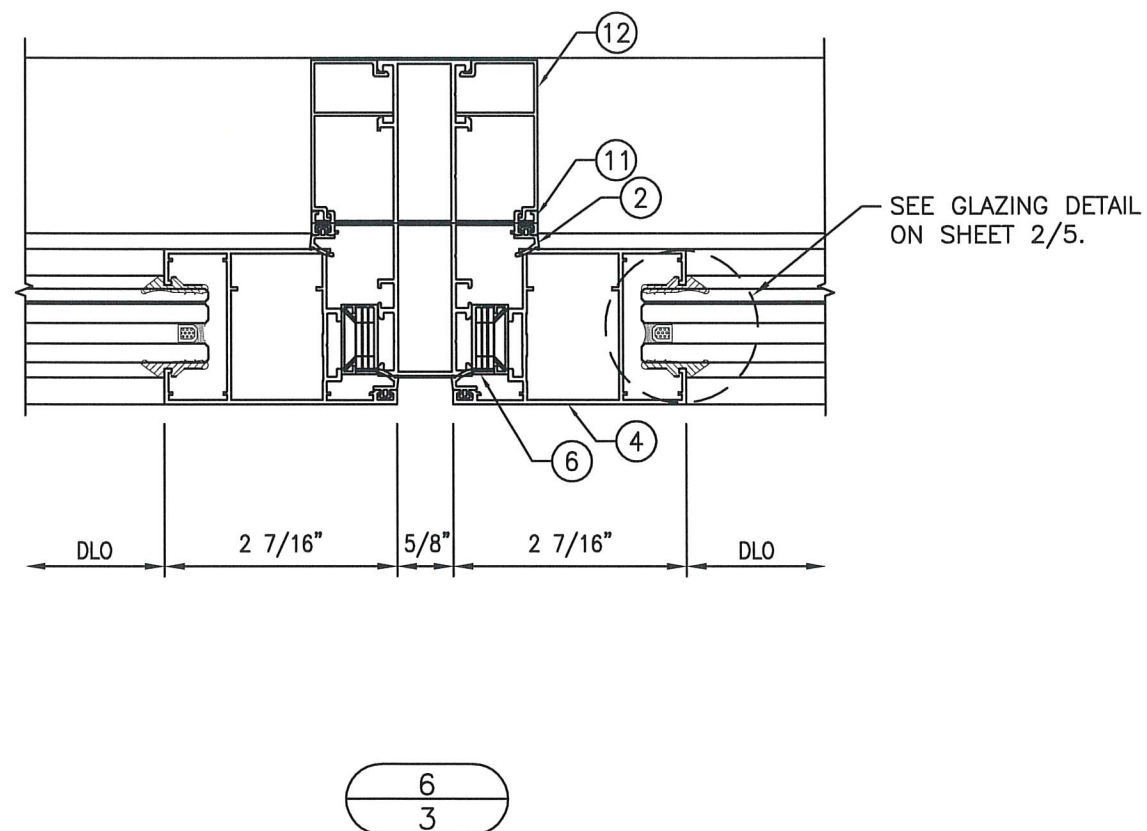
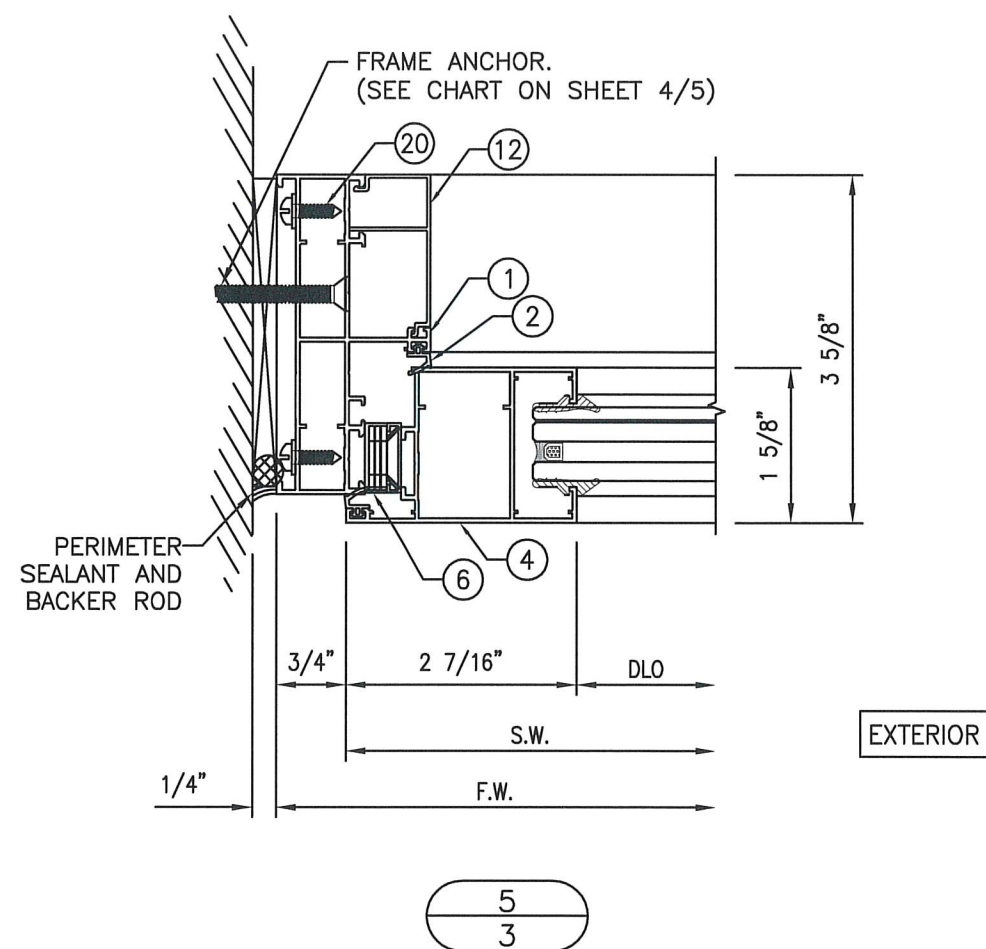
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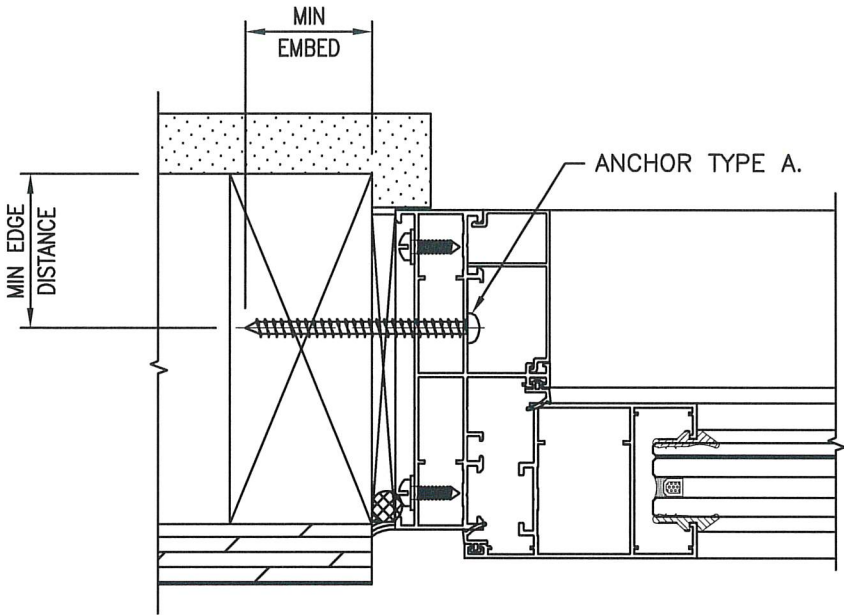
DWG:
AWC100-PR
SHEET:
2/5

REV.#	ISSUED FOR	DATE
1	1ST SUBMITTAL	8/30/23

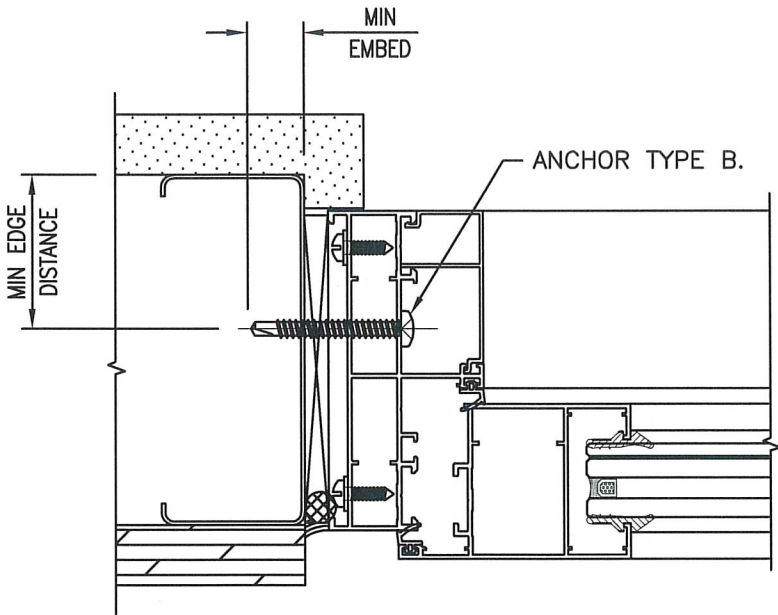
AWC-100 SERIES PROJECTED WINDOWS

[illegible]

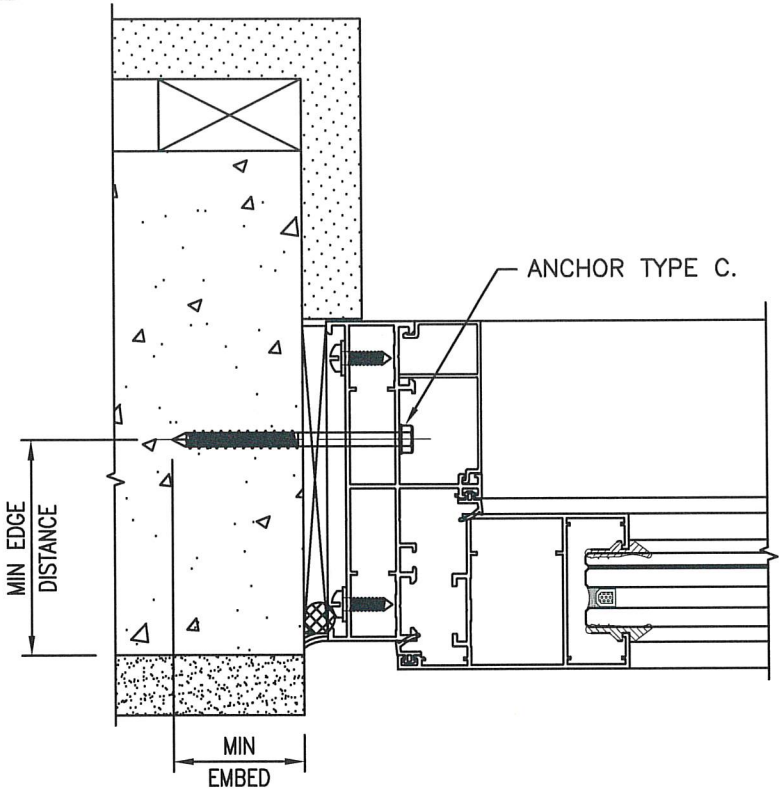
AWC-100 SERIES PROJECTED WINDOWS



WOOD
(S.G.=0.42 min)



METAL STUD
(16 Ga, Fut=65 ksi min)



CONCRETE/CMU
(3050 psi/ASTM C90 min)

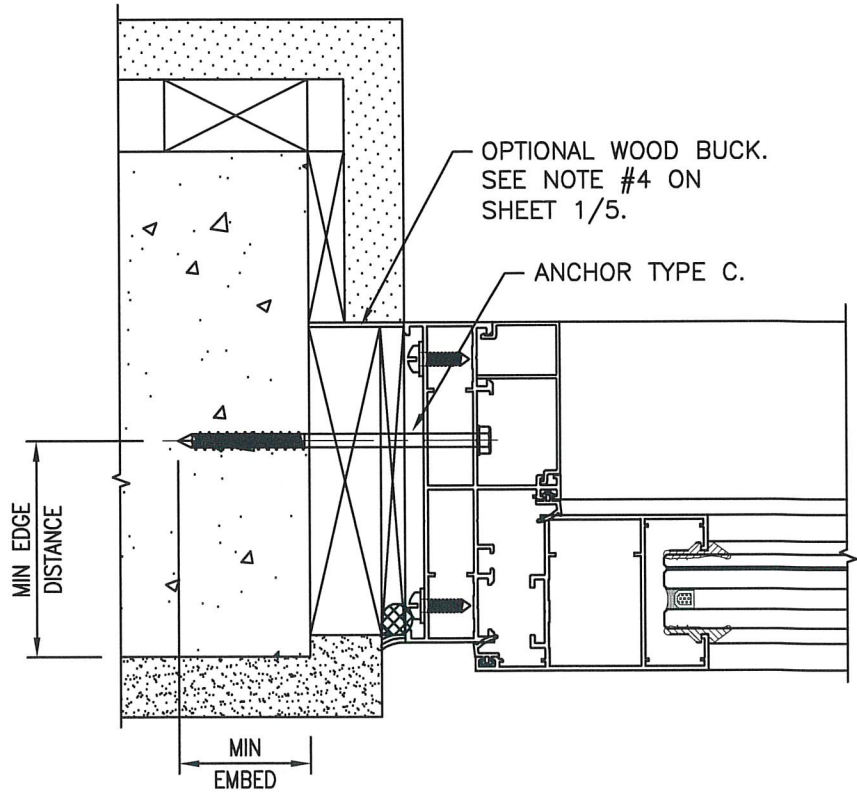
HEAD AND SILL ANCHOR
DETAILS ARE SIMILAR TO THE
JAMB DETAILS SHOWN.

SEE ELEVATIONS ON SHEET 1/5
FOR FRAME ANCHOR
LOCATIONS AND SPACING.

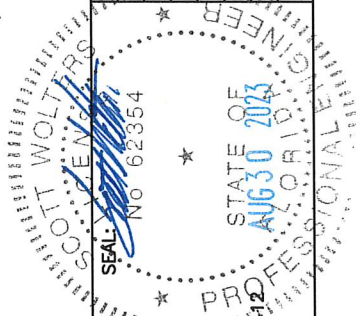
FRAME ANCHOR CHART:

ID	SUBSTRATE	ANCHOR	MIN. EMBEDMENT	MIN. EDGE DISTANCE
A	WOOD (2x, S.G.= 0.42 MIN)	#10 WOOD SCREW (Gr. 5 MIN)	1 1/4"	1"
B	STEEL STUD (16 Ga, 33 KSI MIN)	#16- ITW TEKS SCREW or DEWALT DRIL-FLEX	FULL *	3/4"
C	CONCRETE (3050 PSI MIN)	3/16" DIA. ITW TAPCON or DEWALT ULTRACON	1 1/4"	1 3/4"
	GROUT-FILLED CMU (ASTM C90 MIN) - JAMBS ONLY	3/16" DIA. ITW TAPCON or DEWALT ULTRACON	1 3/4"	2 1/2"

* FULLY PENETRATES METAL WITH 3 THREADS BEYOND



CONCRETE/CMU WITH
OPTIONAL WOOD BUCK (1x max)



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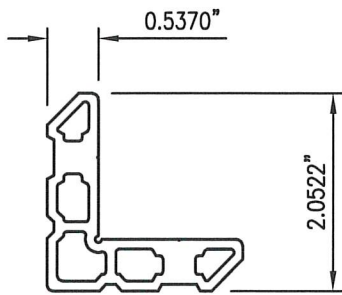
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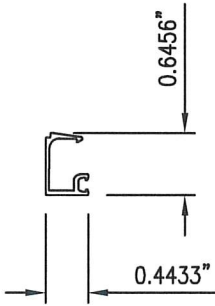
DWG:
AWC100-PR
SHEET:

AWC-100 SERIES PROJECTED WINDOWS

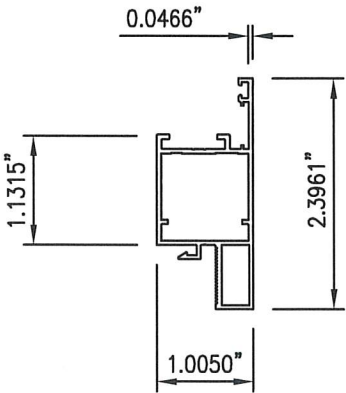
ITEM	PART	PART NAME	REMARKS	MATERIAL
1	MA10001	HEAD	FRAME	6063-T6
2	C040196	PACKING	ANGEOSHEET	PVC
3	MA10003	ANGEOSHEET	ANGEOSHEET	6063-T6
4	MA4903	TILTING	PROJECTING	6063-T6
5	HD12504-1	GLASS STAMP	FRAME	6063-T6
6	HC-510- 12"	SWING ARM	SHEETS	STEEL SS304°
7	C040664	PACKING	ANGEOSHEET	PVC
8	C-40194	PACKING	FRAME	PVC
9	ANGEOSHEET	ANGEOSHEET	ANGEOSHEETS	
10	CZS-18	SWEEP LOCK	SAFE HANDLE LOCK	DIE CAST ALUM.
11	MA10002	DIVIDER	FRAME	6063-T6
12	MA10005	GLASS STAMP	FRAME	6063-T6
13	MA4901-1	GLASS STAMP	FRAME	6063-T6
14	C041056	PACKING	FRAME	PVC
15	J4	DOOR HINGE	ANGEOSHEETS	DIE CAST ALUM.
16	CZS-132	SWEEP LOCK	SAFE HANDLE LOCK	DIE CAST ALUM.
17	IA	SILICONE	FRAME	ALIPHATIC HYDROCARBONS
18	SG-20	SILICONE	FRAME	ALIPHATIC HYDROCARBONS
19	3/8" x 2"	SCREW	FRAME	STEEL
20	3/8" X 1"	SCREW	FRAME	STEEL
21	BGY4529	ANGLE	FRAME	6063-T6
22	BGY4529	SETTING BLOCK	1/8"x13/16"x2" (2) PER LITE	MEETS FBC SECT. 2411.3.3.1.



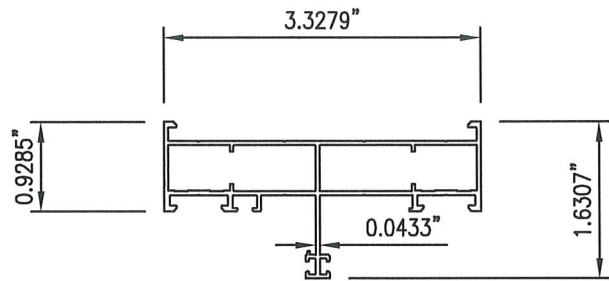
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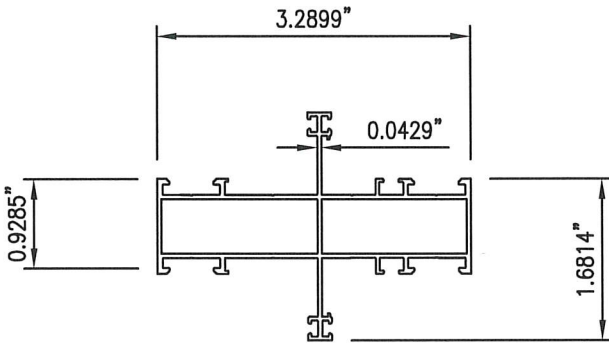
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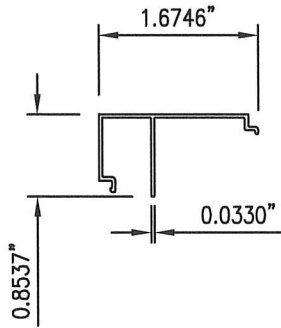
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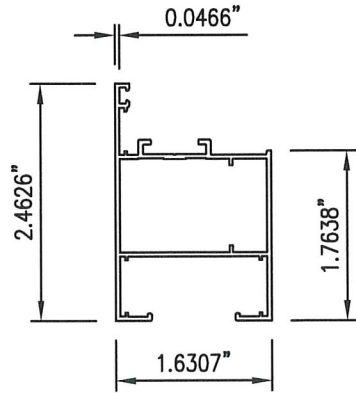
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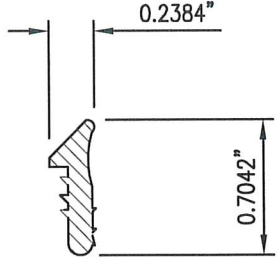
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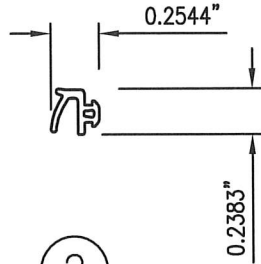
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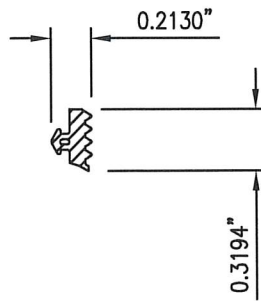
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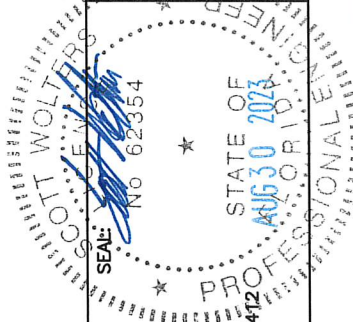
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2



7



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SHEET: 5/5

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1	8/30/23	TEST SUBMITTAL