

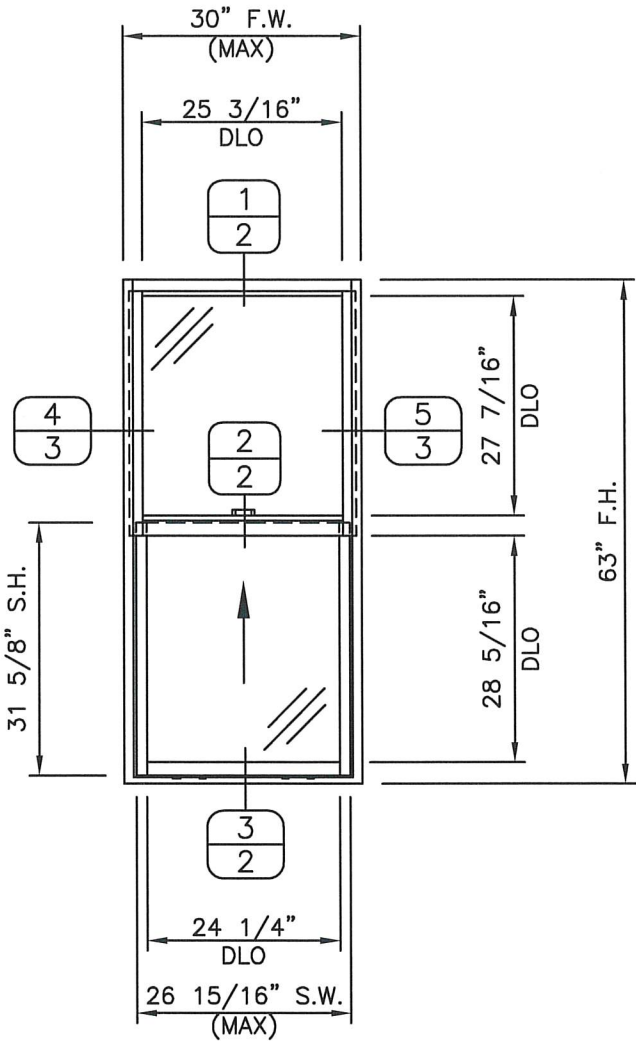
SH-100 SERIES SINGLE HUNG WINDOWS

GENERAL NOTES:

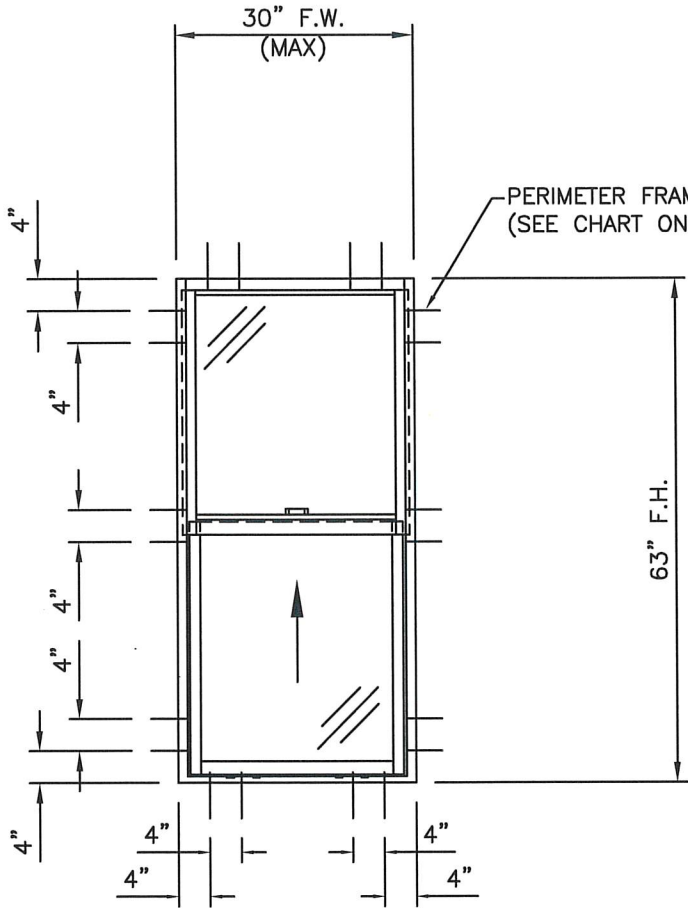
- 1. ALLOWABLE DESIGN PRESSURE: +/- 30 PSF (ASD). DESIGN PRESSURES ARE LIMITED BY ASTM E1300 GLASS CALCULATIONS AND AIR, WATER, & STRUCTURAL TESTING.
- 2. THIS PRODUCT HAS BEEN DESIGNED AND TESTED PER TAS 202 PROTOCOLS IN ACCORDANCE WITH THE REQUIREMENTS OF THE 8TH EDITION (2023) FLORIDA BUILDING CODE, 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 STILES ARE SQUARE CUT. RAILS ARE COPED, BUTTED, AND MECHANICALLY FASTENED WITH (2) #10 x 1" PHSM SCREWS.



SINGLE HUNG WINDOW
(EXTERIOR VIEW)



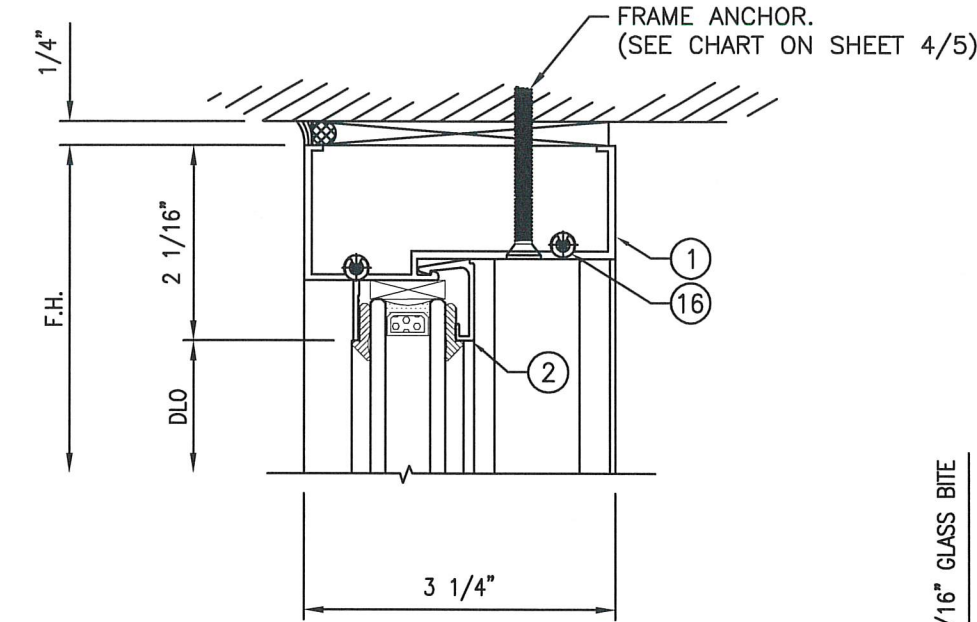
FRAME ANCHOR LOCATIONS

DESIGN PRESSURE
+/- 30 PSF

DWG: SH-100	
SHEET: 1/5	
ETALUM S.A.S. Km 4, ANILLO VIAL ZONA FRANCA SANTANDER, BODEGA C7 BUCARAMANGA, SANTANDER, COLOMBIA www.etalum.com PH: 57-607-6761292	
SCOTT WOLTERS FL PE# 62354 WOLTERS ENGINEERING (COA# 27194) 15211 97TH ROAD N WEST PALM BEACH, FL 33412 (561) 225-1982	
SEAL: No 62354 AUG 30 2023 STATE OF FLORIDA PROFESSIONAL ENGINEER	
TEST SUBMITTAL PRINTS ISSUED FOR	REV.# DATE 8/30/23

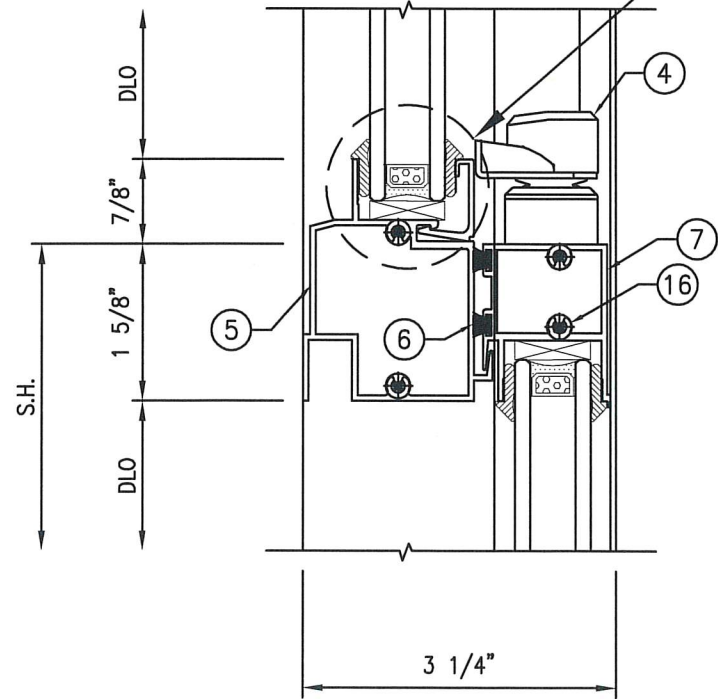
SH-100 SERIES SINGLE HUNG WINDOWS

1
2

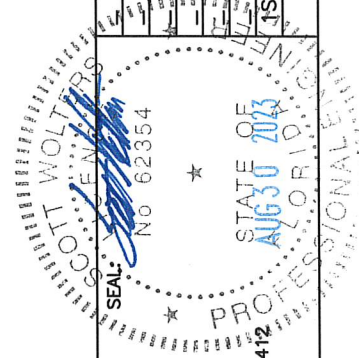
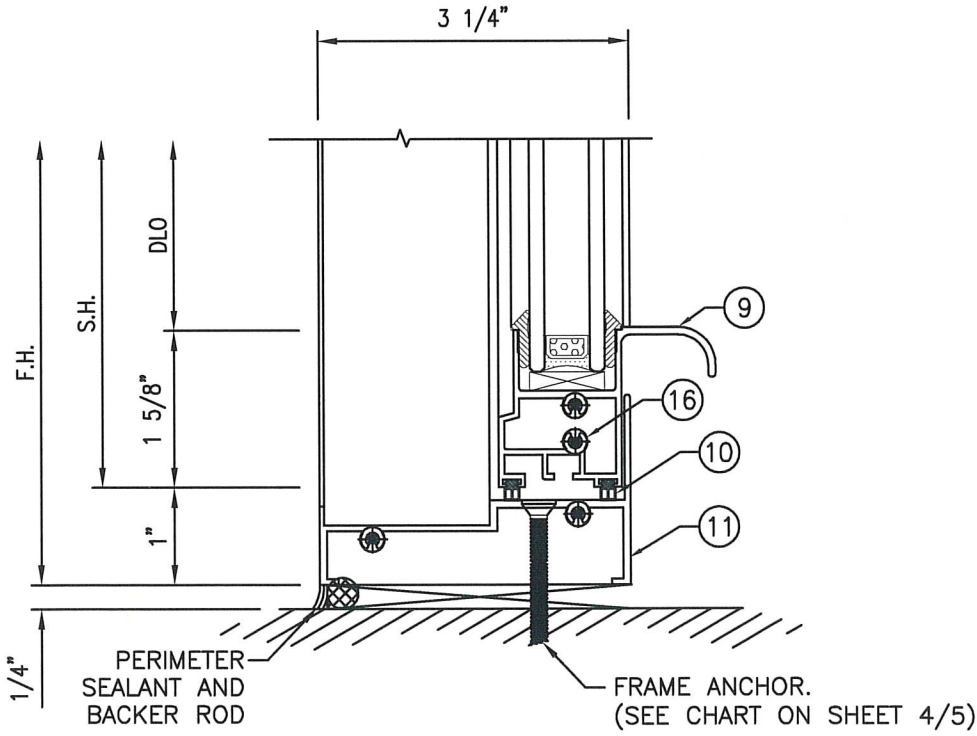
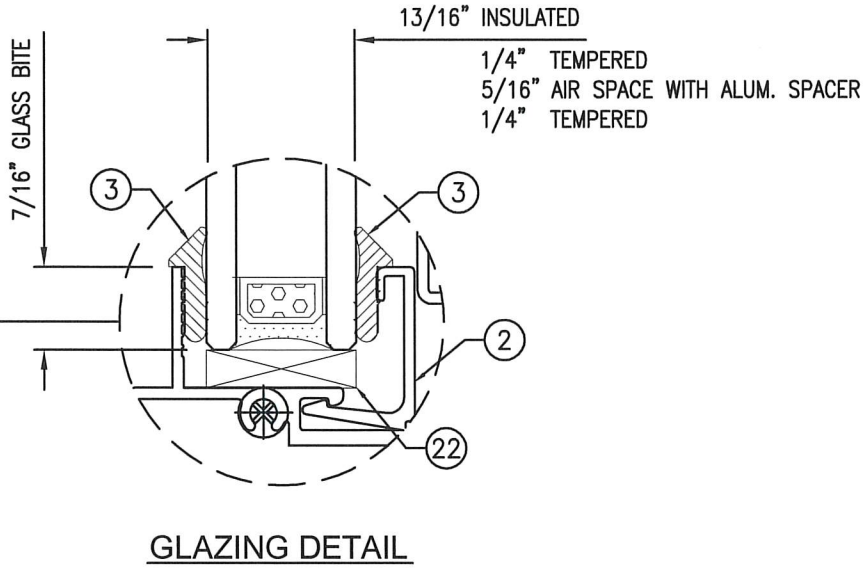


EXTERIOR

2
2



3
2



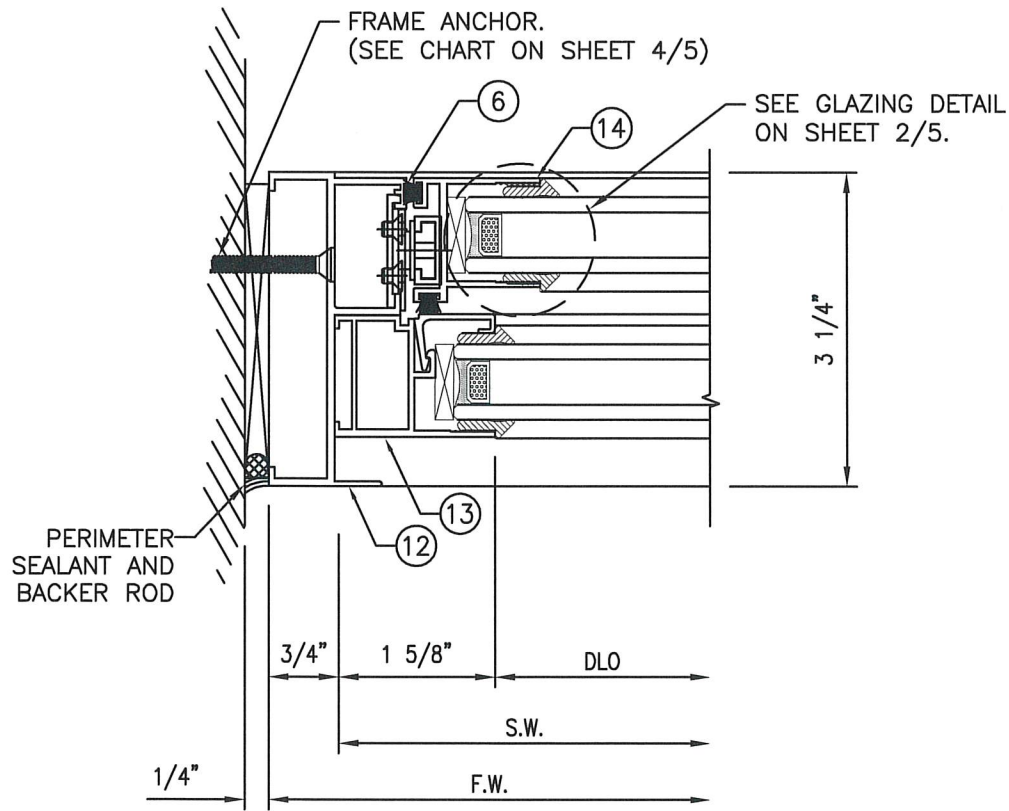
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(COA# 27184)
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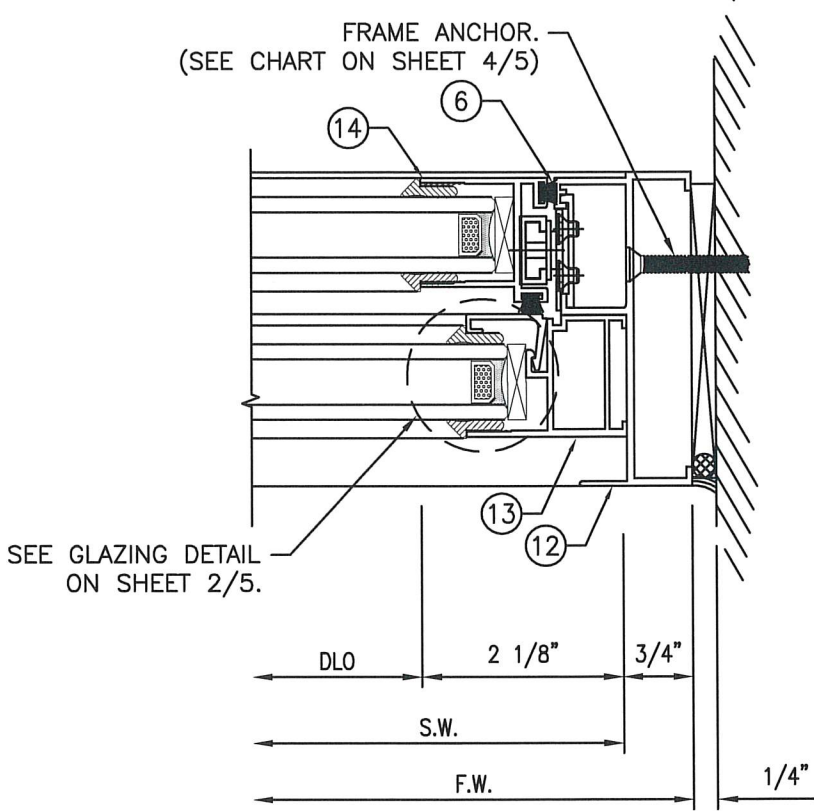
REV.#	DATE	PRINTS ISSUED FOR
1	8/30/23	1ST SUBMITTAL

SH-100 SERIES SINGLE HUNG WINDOWS



4
3

EXTERIOR



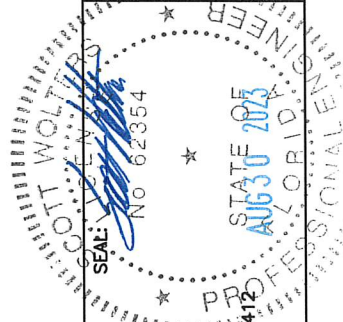
5
3



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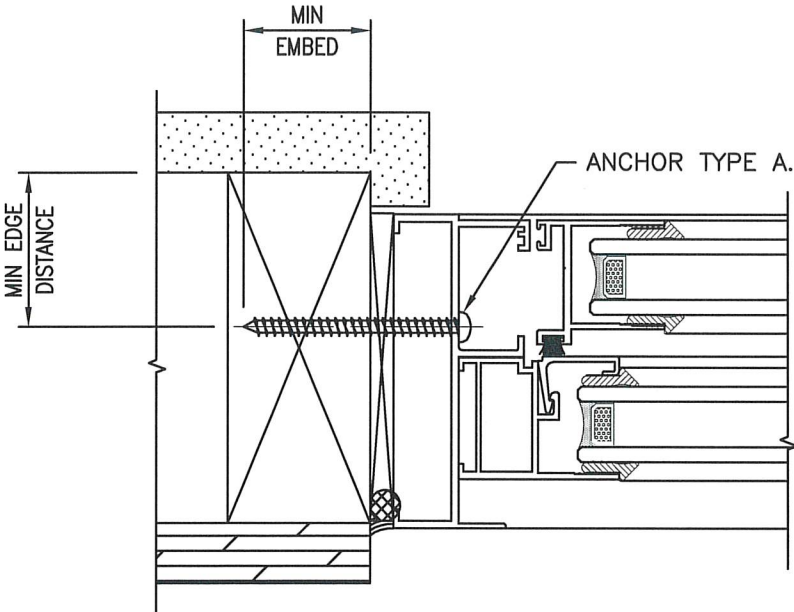
DWG: SH-100
SHEET: 3/5

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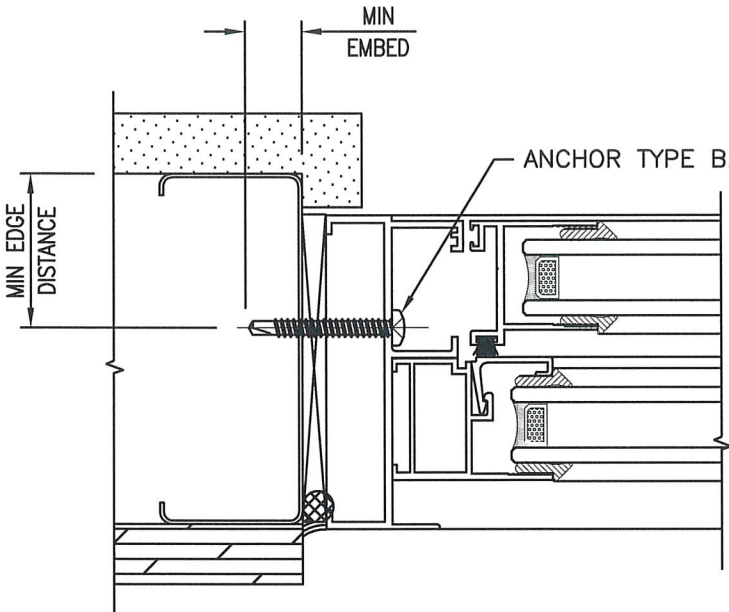


REV.#	ISSUED FOR	DATE
1	1ST SUBMITTAL	8/30/23

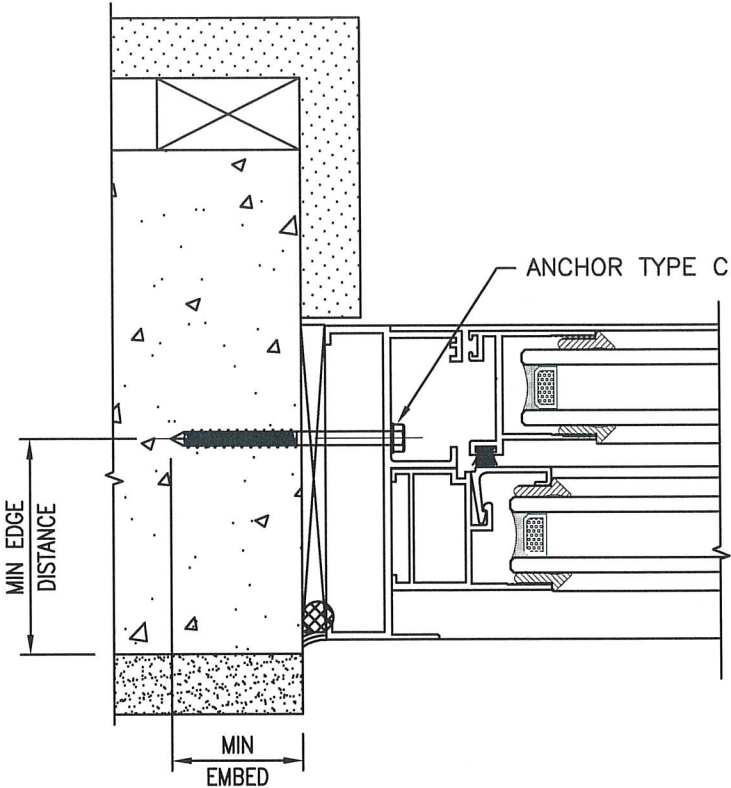
SH-100 SERIES SINGLE HUNG WINDOWS



WOOD
(S.G.=0.42 min)



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



CONCRETE/CMU
(3050 psi/ASTM C90 min)

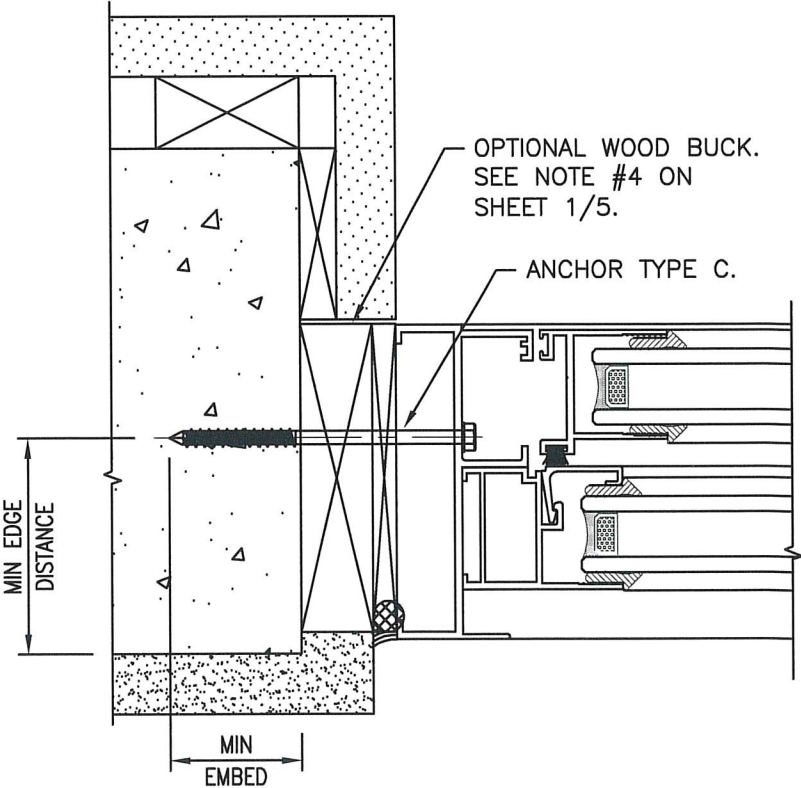
HEAD AND SILL ANCHOR
DETAILS ARE SIMILAR TO THE
JAMB DETAILS SHOWN.

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

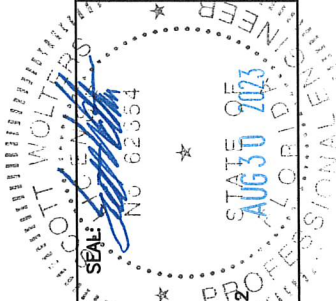
FRAME ANCHOR CHART:

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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DWG: SH-100
SHEET: 4/5

SH-100 SERIES SINGLE HUNG WINDOWS

ITEM	PART	PART NAME	REMARKS	MATERIAL
1	CK-08302	HEAD	FRAME	6063-T6
2	CK-08315	ADAPTER	SHEETS	6063-T6
3	C-40194	PACKING	SHEETS	PVC
4	Y-11	SWEEP LOCK	SAFE CRESCENT LOCK	DIE CAST ALUM.
5	CK-08351	FIXED HITCH	SHEETS	6063-T6
6	FF-050	PLUSH	SHEETS	PVC
7	XNS-10022	MOBILE HITCH	SHEETS	6063-T6
8		ELEVATION	ELEVATION SYSTEM	STEEL
9	XNS-10031	HORIZONTAL	HORIZONTAL MOBILE	6063-T6
10	CO-40666	PACKING	SHEETS	PVC
11	CK-08301	SILL	FRAME	6063-T6
12	CK-08303	JAMBA	FRAME	6063-T6
13	CK-08352	OVERLAP	FIXED OVERLAP	6063-T6
14	XNS-10032	OVERLAP	MOBILE OVERLAP	6063-T6
15	3/8" X 2"	SCREW	FRAME	STEEL
16	3/8" X 1"	SCREW	FRAME	STEEL
17	IA	SILICONE	FRAME	ALIPHATIC HYDROCARBONS
18	SG-20	SILICONE	FRAME	ALIPHATIC HYDROCARBONS
22		SETTING BLOCK	1/8"x13/16"x2", (2) PER LITE	MEETS FBC SECT. 2411.3.3.1.

