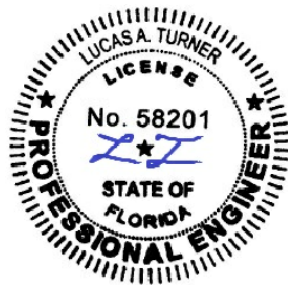
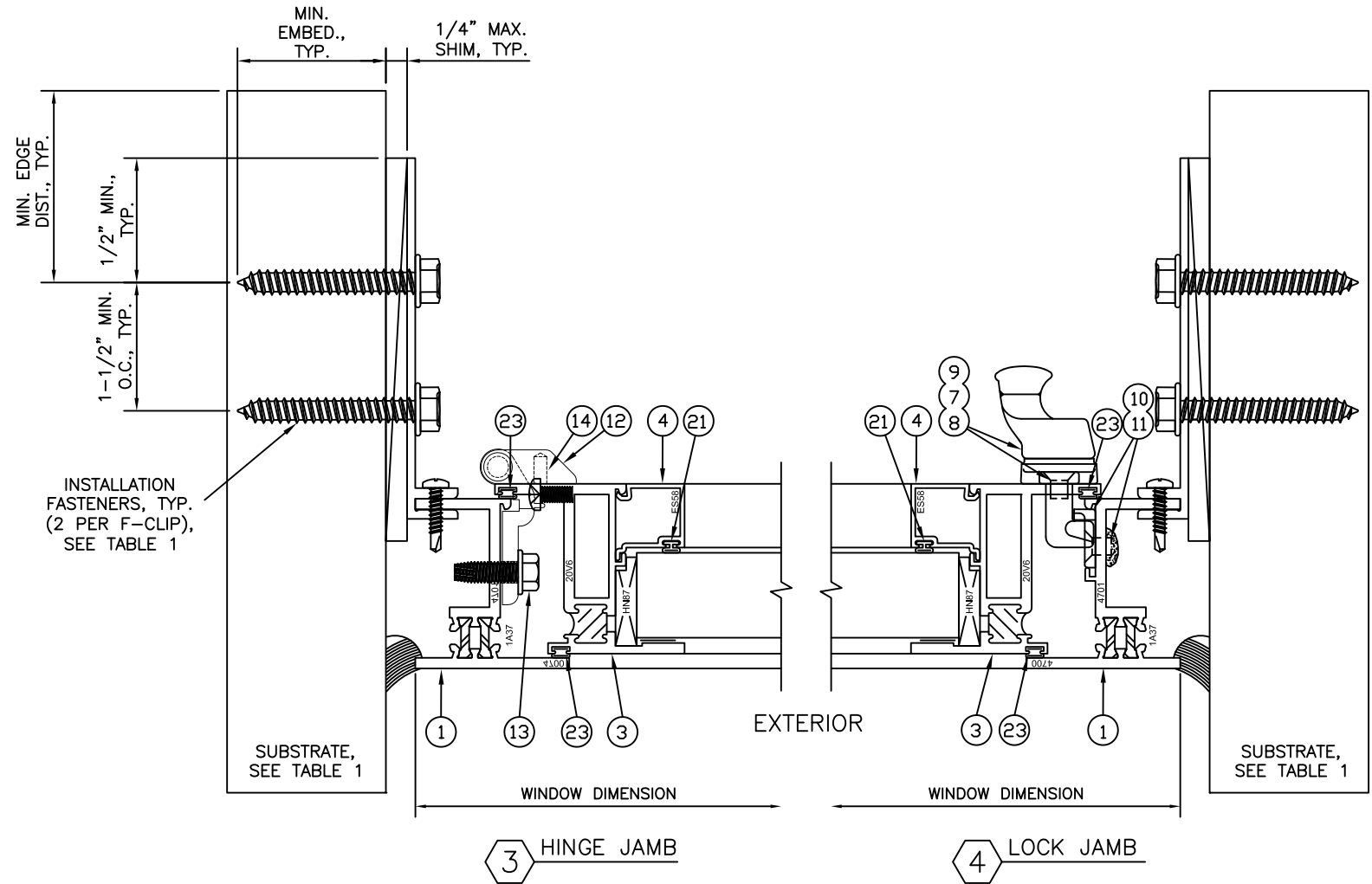
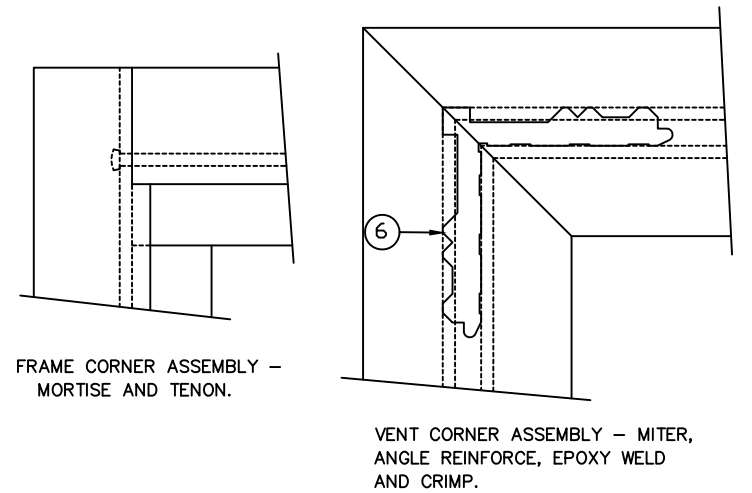
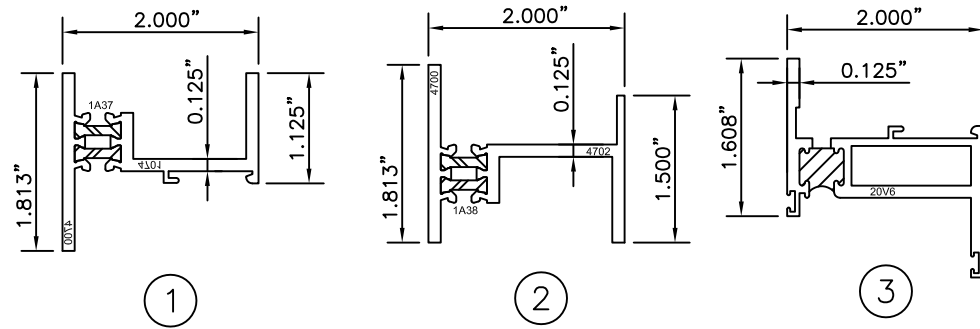
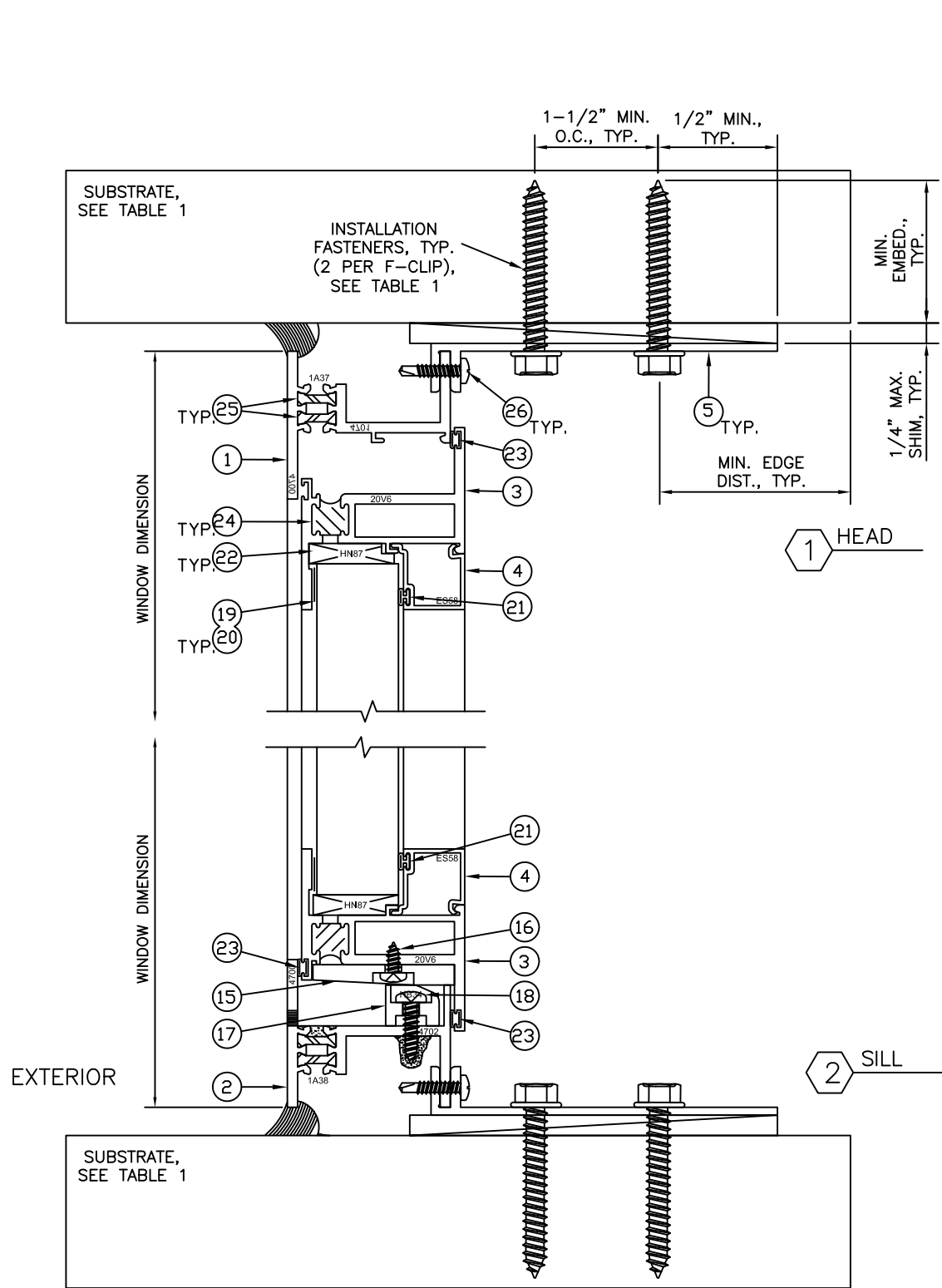


1. THIS PRODUCT, FABRICATED AND ANCHORED AS DETAILED IN THIS DRAWING, IS NON-IMPACT, AND REQUIRES THE USE OF IMPACT PROTECTIVE DEVICES (SHUTTERS) IN WINDBORNE DEBRIS REGIONS.
2. THIS PRODUCT HAS BEEN TESTED TO AAMA/WDMA/CSA 101/I.S.2/A440, AND MEETS THE REQUIREMENTS OF THE 8TH ED. (2023) FLORIDA BUILDING FOR USE OUTSIDE THE HIGH VELOCITY HURRICANE ZONE.
3. TESTED CONFIGURATION IS AS NOTED IN THIS DRAWING.
4. THE DESIGN PRESSURE RATINGS IN THIS DRAWING ARE AS LIMITED BY ASTM E-1300 GLASS TABLES, AND TESTED STRUCTURAL PRESSURES.
5. THE 4/3 ALLOWABLE STRESS INCREASE FACTOR (SHORT-TERM INCREASE FACTOR) HAS NOT BEEN USED IN THE ANCHOR ANALYSIS FOR THIS SYSTEM. THE 1.6 Cd FACTOR WAS USED IN THE ANALYSIS OF ANCHORAGE INTO WOOD SUBSTRATE.
6. 1X WOOD BUCKS ARE OPTIONAL, AND IF USED, INSTALLATION OF WOOD BUCKS TO THE SUBSTRATE TO BE ENGINEERED BY OTHERS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (A.H.J.). BUCKING, OPENINGS, & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED BY OTHERS IN ACCORDANCE WITH THE FBC TO TRANSFER SUPERIMPOSED LOADS TO THE STRUCTURE. ADEQUACY OF THE STRUCTURE TO RECEIVE THESE LOADS SHALL BE VERIFIED BY THE CONTRACTOR OR A.H.J. ANCHOR EMBEDMENT SHALL BE FULLY INTO THE SUBSTRATE BEYOND THE WOOD BUCKS.
7. ANCHORAGE NOTES: ALL ANCHORS AND FASTENERS USED SHALL BE OF A MATERIAL OR HAVE A COATING COMPATIBLE WITH PRESSURE TREATED WOOD BUCKS AND ALL OTHER WINDOW MATERIALS. INSTALL ONE F-ANCHOR AT EACH LOCATION SHOWN IN THE ELEVATION, ATTACHED TO THE OPENING SUBSTRATE WITH TWO FASTENERS PER F-ANCHOR. INSTALL 1/4" MAX. SHIMS AT EACH ANCHOR LOCATION WHERE A GAP OF 1/16" OR GREATER EXISTS BETWEEN F-ANCHOR AND SUBSTRATE. SHIMS SHALL BE LOAD-BEARING (PLASTIC OR METALLIC) AND CAPABLE OF TRANSFERRING LOADS TO THE SUBSTRATE. SPECIFIED FASTENER EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL FINISH OR STUCCO. ON-CENTER DISTANCE BETWEEN ANY TWO INSTALLATION FASTENERS OF 1-1/2" MINIMUM SHALL BE MAINTAINED.
8. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE COATED OR OTHERWISE PROTECTED TO PREVENT GALVANIC REACTIONS. WOOD BUCKS, IF USED, SHALL BE PRESSURE TREATED, WITH EITHER A TREATMENT OR COATING COMPATIBLE WITH THIS PRODUCT.
9. ALL INSTALLATIONS & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS, OR AS APPROVED, SIGNED, AND SEALED BY A FLORIDA-REGISTERED PROFESSIONAL ENGINEER ON A SITE-SPECIFIC BASIS.
10. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE OF THE INSTALLED PRODUCT SHALL BE THE RESPONSIBILITY OF OTHERS AND ARE NOT ADDRESSED BY THIS DOCUMENT.

ITEM	# REQD	PART #	DESCRIPTION
1	3	1A37	HEAD/JAMB
2	1	1A38	SILL
3	4	20V6	VENT
4	4	ES58	GLAZING BEAD
5	12	KA24	F-ANCHDR 1880 @ 2"
6	4	KK54	CORNER KEY 24B2 @ 1.187"
7	2	KM16	CAM LOCK
8	4	MFH6	#10-24 X 3/8 PL-FH-MS 18-8
9			
10	2	HK04	KEEPER
11	4	MF6	#10-24 X 1/2 PL-FH-MS 18-8
12	3	HC26	BUTT HINGE
13	9	M175	1/4"-20 X 3/4" HW-SMS F POINT
14	12	MF6	#10-24 X 3/8 PL-PH-MS 18-8
15	1	HB41	LIFT BLOCK (VENT)
16	1	SPP7	#8-15 X 3/8 PL-PH-SMS 18-8 A
17	1	HB34	LIFT BLOCK (FRAME)
18	1	STD3	#10-12 X 3/4 PL-PH-SMS 18-8 A
19	AS REQD	JJ67	SILICONE SEALANT
20	AS REQD	WM92	GLAZING DAM TAPE
21	AS REQD	WV8B	GLAZING VINYL
22	4	HN87	SETTING / EDGE BLOCKS
23	AS REQD	WA04	BULB VINYL
24	AS REQD	----	POLYURETHANE
25	AS REQD	LAB0	THERMAL STRUT
26	12	STK0	#8-16 X 1 PL-PH-SMS TEK
27			
28			

A circular professional engineer seal for Lucas A. Turner. The outer ring contains the text "LUCAS A. TURNER" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside this ring, the word "LICENSE" is at the top, "No. 58201" is in the center, and "STATE OF FLORIDA" is at the bottom. A stylized signature "L A T" is written across the center of the seal.

6/25/2024
LUCAS A. TURNER, P.E.
FL PE # 58201
TURNER ENGINEERING
& CONSULTING, INC.
2428 OLD NATCHEZ TRC TRL
CAMDEN, TN 38320
PH. 941-380-1574



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TABLE 1: INSTALLATION FASTENER REQUIREMENTS TABLE			
SUBSTRATE TYPE	FASTENER TYPE	MIN. EMBED.	MIN. EDGE DIST.
CONCRETE (3.05 KSI MIN.)	1/4" DEWALT ULTRACON+	1-3/4"	2-1/2"
CMU MASONRY (ASTM C-90)	1/4" DEWALT ULTRACON+	1-3/4"	2-1/2"
2X MIN. SOUTHERN PINE WOOD (G=0.55)	#14 GRADE 5 WOOD SCREW	1-1/2"	1"
16 GAUGE (0.060") MIN. STEEL STUD, 33KSI YIELD MIN., OR 1/8" ALUM. 6063-T5 MIN.	1/4" HILTI KWIK-FLEX OR ITW TEKS SELF-DRILLING SCREW	FULL, PLUS 3 THREADS BEYOND	1/2"