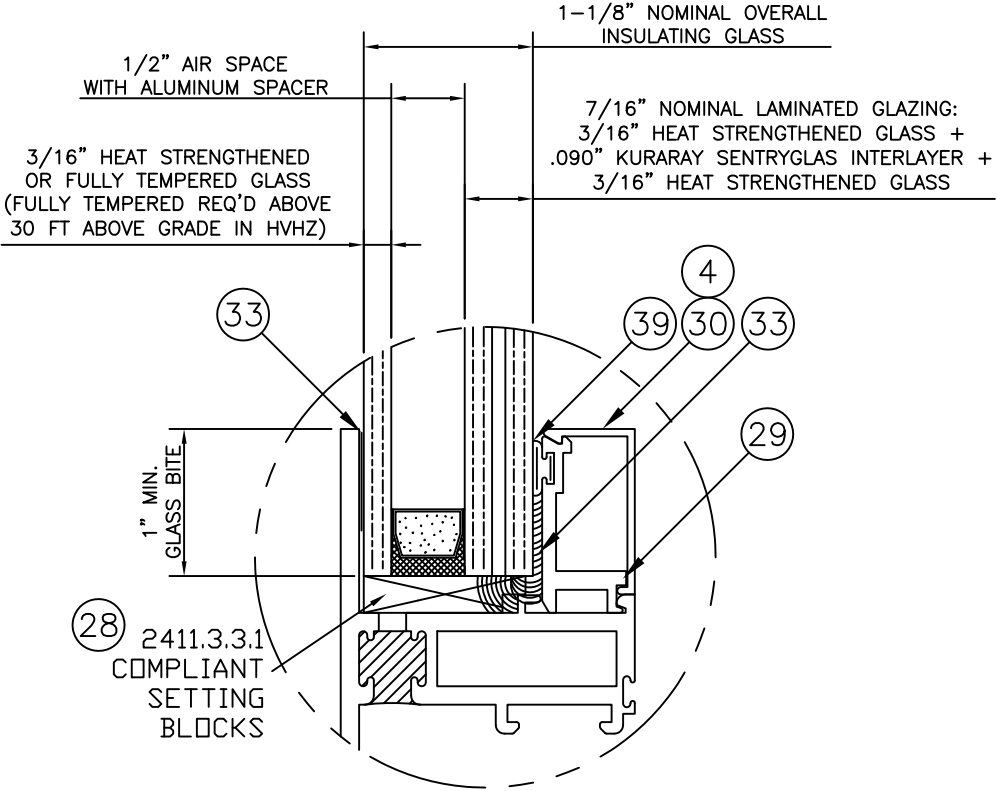
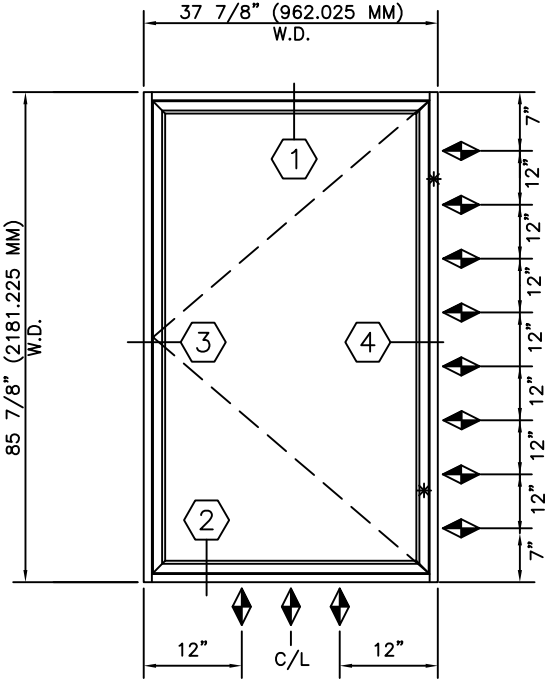


1. THIS PRODUCT, FABRICATED AND ANCHORED AS DETAILED IN THIS DRAWING, IS LARGE AND SMALL MISSILE IMPACT RESISTANT, AND DOES NOT REQUIRE THE USE OF IMPACT PROTECTIVE DEVICES (SHUTTERS).
2. THIS PRODUCT HAS BEEN TESTED TO TAS 201/202/203, AND MEETS THE REQUIREMENTS OF THE 8TH ED. (2023) FLORIDA BUILDING CODE INCLUDING 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 AND CYCLIC 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.



TYP. GLAZING DETAIL



ELEVATION

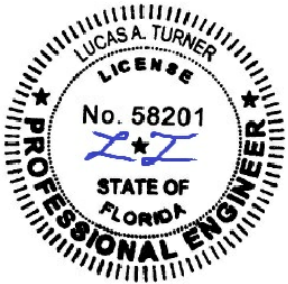
- * DENOTES LOCK LOCATION
- ◊ DENOTES ANCHOR LOCATIONS

DESIGN PRESSURE RATING
+/-100 PSF

LARGE AND SMALL MISSILE
IMPACT RESISTANT

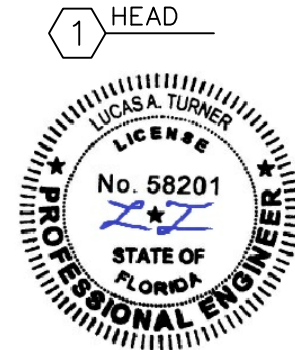
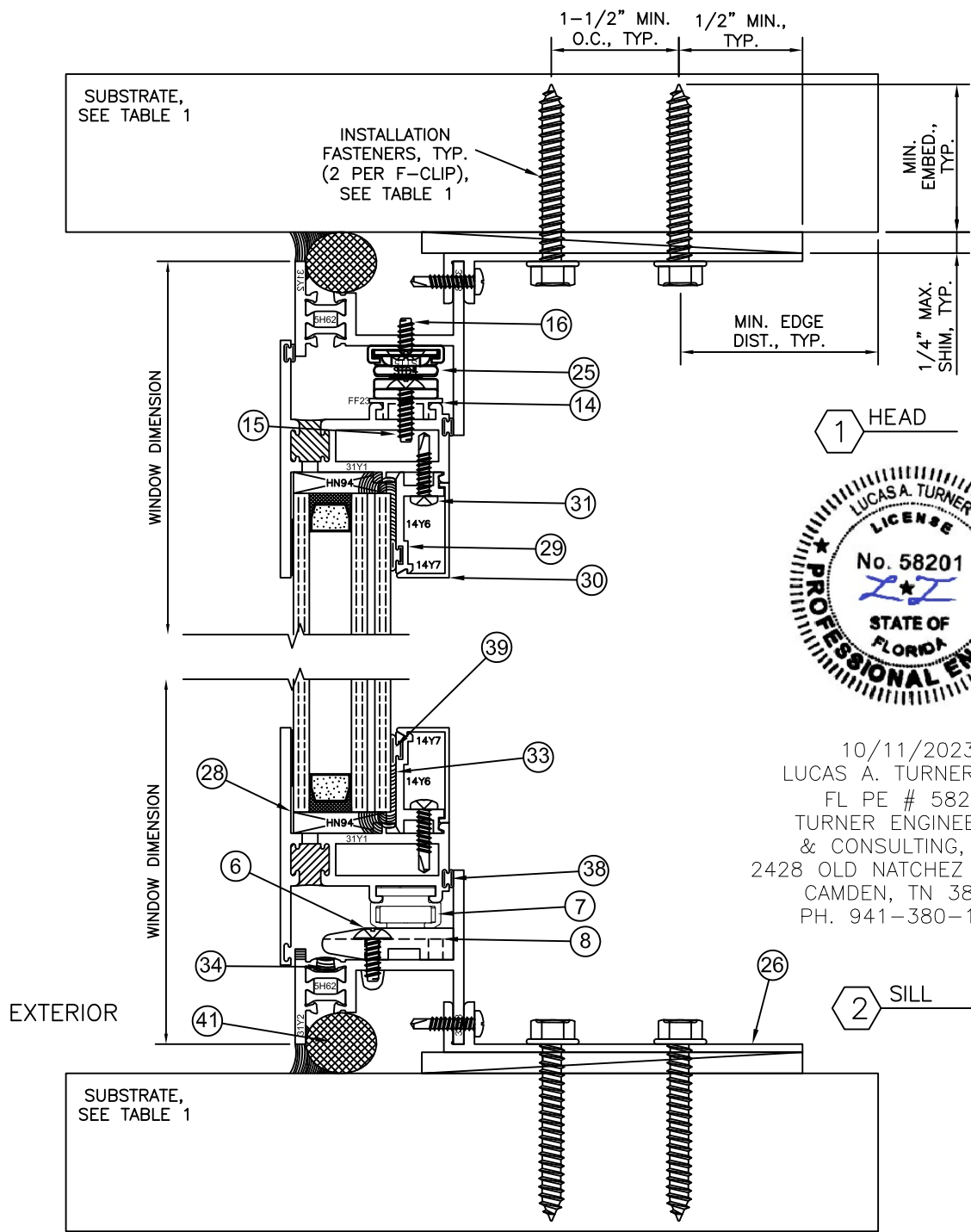
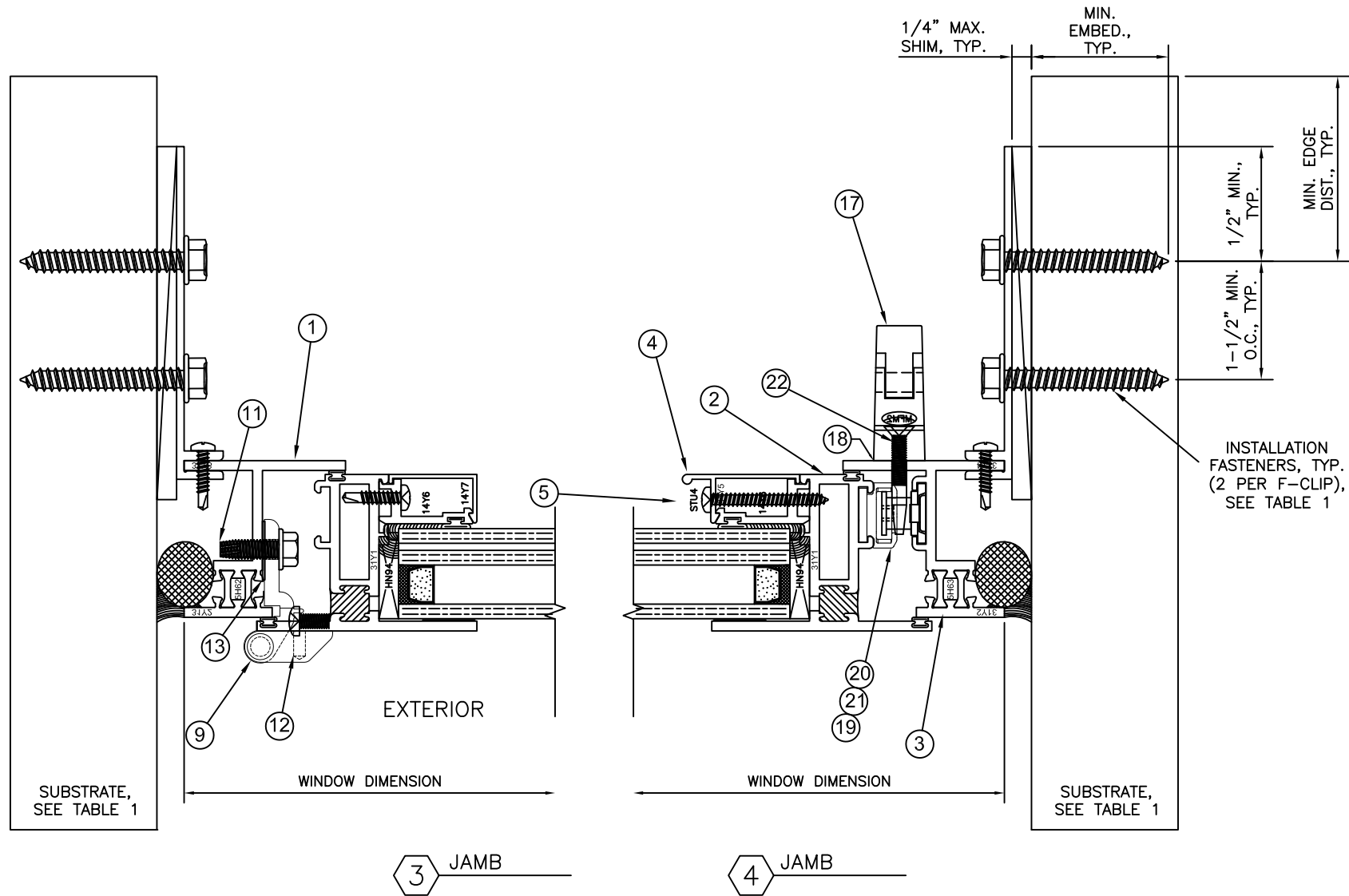
ITEM	# REQD	PART #	DESCRIPTION
1	3	5H62	Frame
2	4	31Y1	P.O. Sash Profile
3	1	5H63	Locking Jamb Composite
4	1	31Y5	Pull hand bead modified 14Y7
5	3	STU4	#8-15 X 1 1/2 PL-PH-SMS 18-8 A
6	1	SFP6	#8-15 X 1/2 SQ-TH-SMS 18-8 A
7	1	HF17	Lift Block Sash
8	1	HB40	Lift Block Frame
9	4	HC20,HC26	Butt Hinge
10	4	FDA9	Hinge Shim
11	12	M175	1/4"-20 X 3/4" HW-SMS F Point
12	16	MF3	#10-24 X 3/8 PL-PH-MS 18-8
13	3	H15A	Hinge Gasket
14	1	FF23	Support plate
15	2	STD4	#10-16 x 5/8 PL-TH-SMS 18-8 B
16	2	STT5	#10-16 x 3/8 SQ-TH-SMS 18-8 B
17	1	HA78	Standard Handle
18	1	HA82	Handle gasket
19	4	HF17	Keeper
20	4	HF16	Lock Point
21	1	HF18	Drive Plate
22	2	MF2	#10-24 x 3/4 PL-FH-MS 18-8
23	4	KK24	Corner Key
24	1	FF19	3.5" Lower Bar
25	1	HF14	Friction Adjuster
26	8	KA24	F-Anchor 1880 @ 2"
27	3	FF22	19" Mid Bar
28	4	HN94	1.100 X .250 X 4"Setting Block
29	4	14Y6	Glazing Retainer
30	3	14Y7	Glazing Retainer Cover
31	12"O.C.	STK0	#8-18 x 3/4 PL-PH-SMS 410 TEK/2
32	AS REQD	LAB0	Strut
33	AS REQD	JJ61	Sikasil SG-15
34	AS REQD	JJ61	Strut Sealant
35	AS REQD	JJ67	Back Bed Sikasil SG-15 W/Spacers
36	AS REQD	JJ61	Condition Sealant Sikasil SG-15
37	AS REQD	JJ01	Joint Sealant Sikasil 200 MJS
38	AS REQD	WA04	Bulb WTSP
39	AS REQD	WA04	Bead Gasket
40	AS REQD		Polyurethane Fill
41	AS REQD		Backer Rod

NOTE: ALL EXTRUSIONS ARE 6063-T6



10/11/2023
LUCAS A. TURNER, P.E.
FL PE # 58201
TURNER ENGINEERING
& CONSULTING, INC.
2428 OLD NATCHEZ TRC TRL
CAMDEN, TN 38320
PH. 941-380-1574

Lucas Turner
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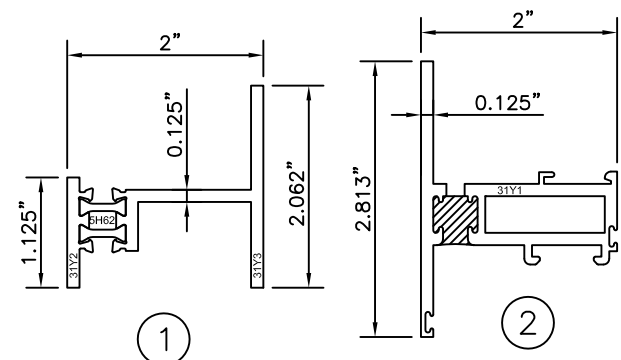
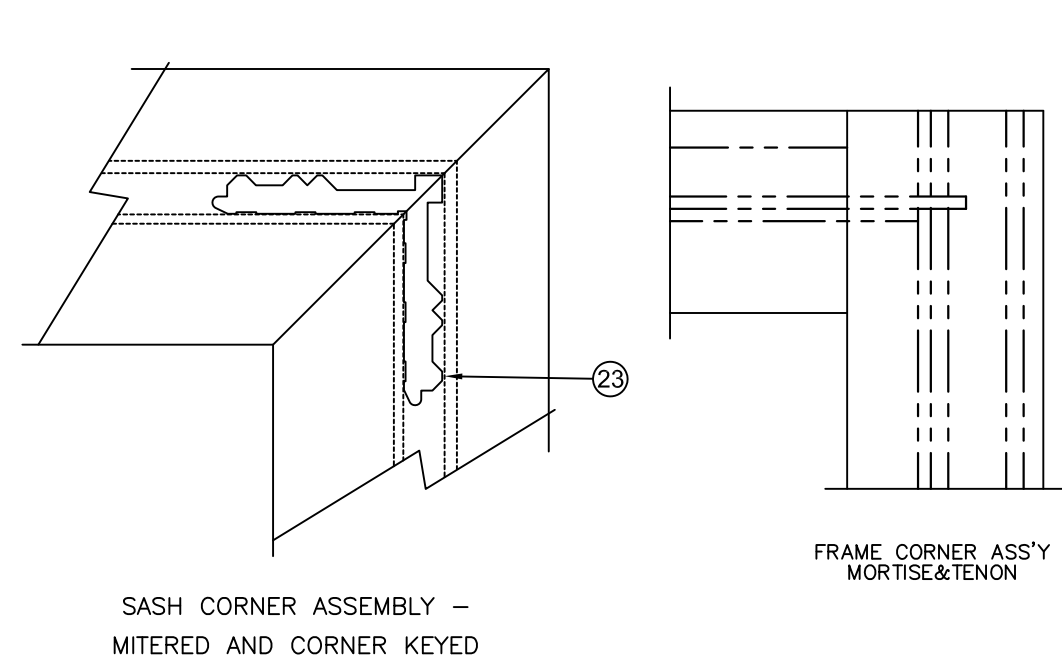


TABLE 1: INSTALLATION FASTENER REQUIREMENTS TABLE			
SUBSTRATE TYPE	FASTENER TYPE	MIN. EMBED.	MIN. EDGE DIST.
CONCRETE (3.05 KSI MIN.)	1/4" DEWALT ULTRACON+	1-3/4"	1"
CMU MASONRY (ASTM C-90)	1/4" DEWALT ULTRACON+	1-3/4"	1"
2X MIN. SOUTHERN PINE WOOD (G=0.55)	#14 GRADE 5 WOOD SCREW	1-1/2"	1"
16 GAUGE (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"