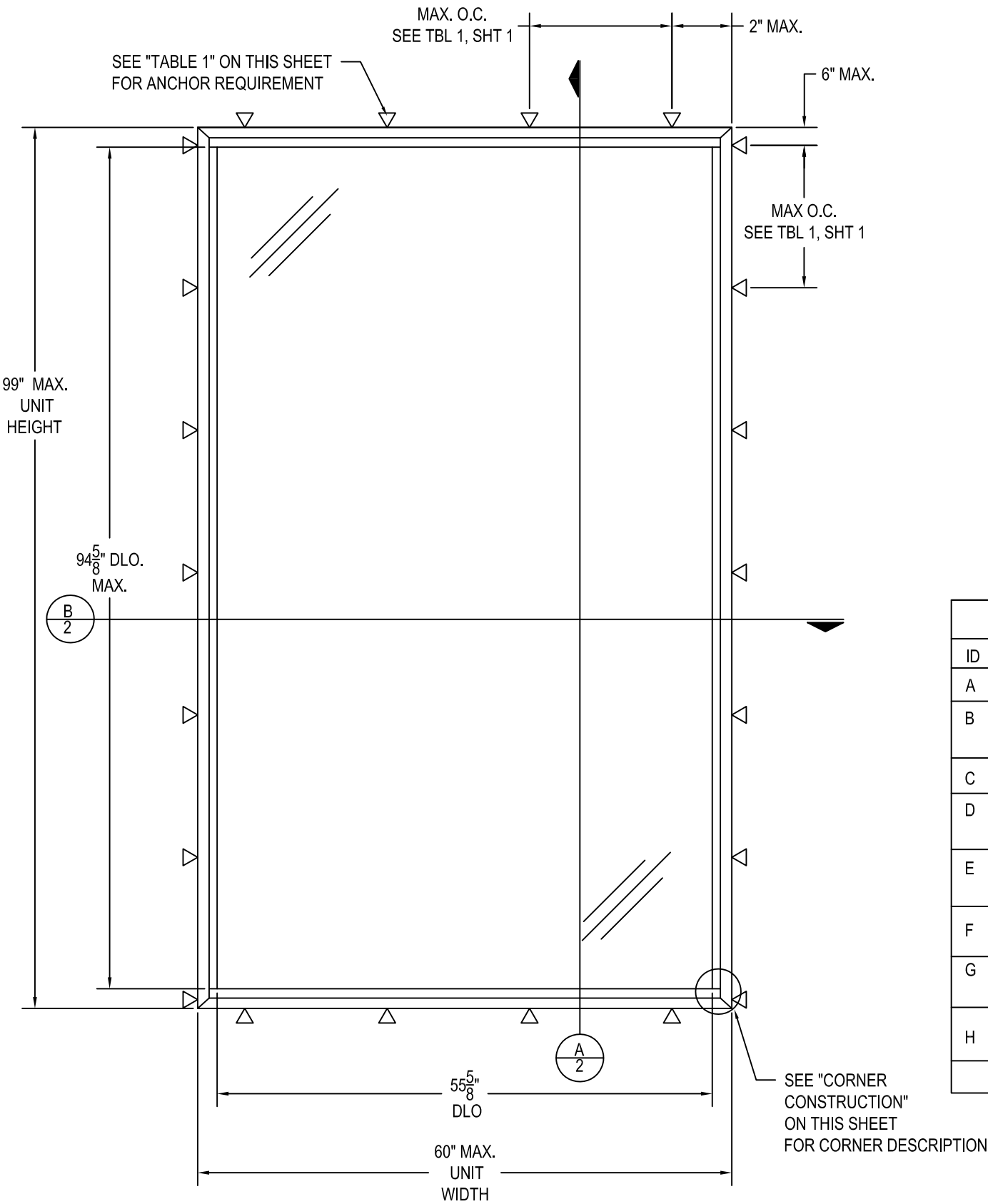


NX3800 - FIXED WINDOW (NON-IMPACT)



B FIXED WINDOW ELEVATION
SCALE: 3/4" - 0" = 1' - 0"

DESIGN PRESSURE = +80/- 80 PSF

GENERAL NOTES

1. THIS PRODUCT HAS BEEN TESTED TO AAMA/WDMA/CSA 101/I.S.2/A440, AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, CURRENT EDITION, FOR USE OUTSIDE THE HIGH VELOCITY HURRICANE ZONE.
2. THIS PRODUCT, FABRICATED, GLAZED, AND ANCHORED AS DETAILED IN THIS DRAWING, IS NON-IMPACT AND REQUIRES THE USE OF SHUTTERS IN WINDBORNE DEBRIS REGIONS.
3. ALLOWABLE CONFIGURATION: O (SINGLE FIXED LITE)
4. THE DESIGN PRESSURE RATINGS IN THIS DRAWING ARE AS LIMITED BY ASTM E-1300 GLASS TABLES, AND TESTED PRESSURES.
5. DISSIMILAR MATERIALS THAT COME INTO CONTACT, INCLUDING BUT NOT LIMITED TO PRESSURE TREATED WOOD BUCKS, SHALL BE COATED OR OTHERWISE PROTECTED PER FBC CHAP. 20 TO PREVENT GALVANIC REACTIONS.
6. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE SHALL BE THE RESPONSIBILITY OF OTHERS.
7. THE 4/3 ALLOWABLE STRESS INCREASE HAS NOT BEEN USED IN THE ANCHOR ANALYSIS FOR THIS SYSTEM. THE 1.6 Cd FACTOR WAS USED IN THE ANALYSIS OF WOOD SUBSTRATE.
8. STRUCTURAL INTEGRITY OF SUBSTRATE MATERIALS TO RECEIVE THE LOADS FROM THIS PRODUCT, AND INSTALLATION OF WOOD BUCKS TO THE SUBSTRATE, TO BE ENGINEERED BY OTHERS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
9. THIS PRODUCT SHALL BE INSTALLED USING ONE OF THE APPROVED FASTENERS IN TABLE 1 APPROPRIATE FOR THE SUBSTRATE TYPE, AT THE MINIMUM SPACING SHOWN IN THE ELEVATION VIEW ON THIS PAGE.
10. MINIMUM ANCHOR EMBEDMENTS LISTED IN TABLE 1 SHALL BE BEYOND WALL DRESSING OR STUCCO AND FULLY INTO SUBSTRATE.
11. SUBSTRATES SHALL MEET THE MINIMUM STRENGTH REQUIREMENTS AS SHOWN IN TABLE 1. CONCRETE OR MASONRY SUBSTRATES SHALL NOT BE CRACKED. FOR INSTALLATION TO METAL SUBSTRATES, ANCHORS SHALL BE LONG ENOUGH TO BE FULLY THREADED THROUGH THE METAL THICKNESS WITH AN ADDITIONAL 3 THREADS BEYOND.

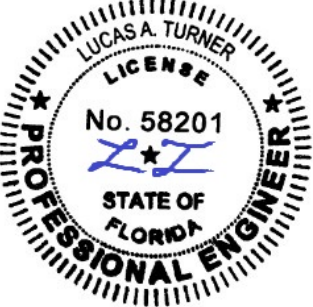
TABLE 1: INSTALLATION ANCHOR REQUIREMENTS TABLE

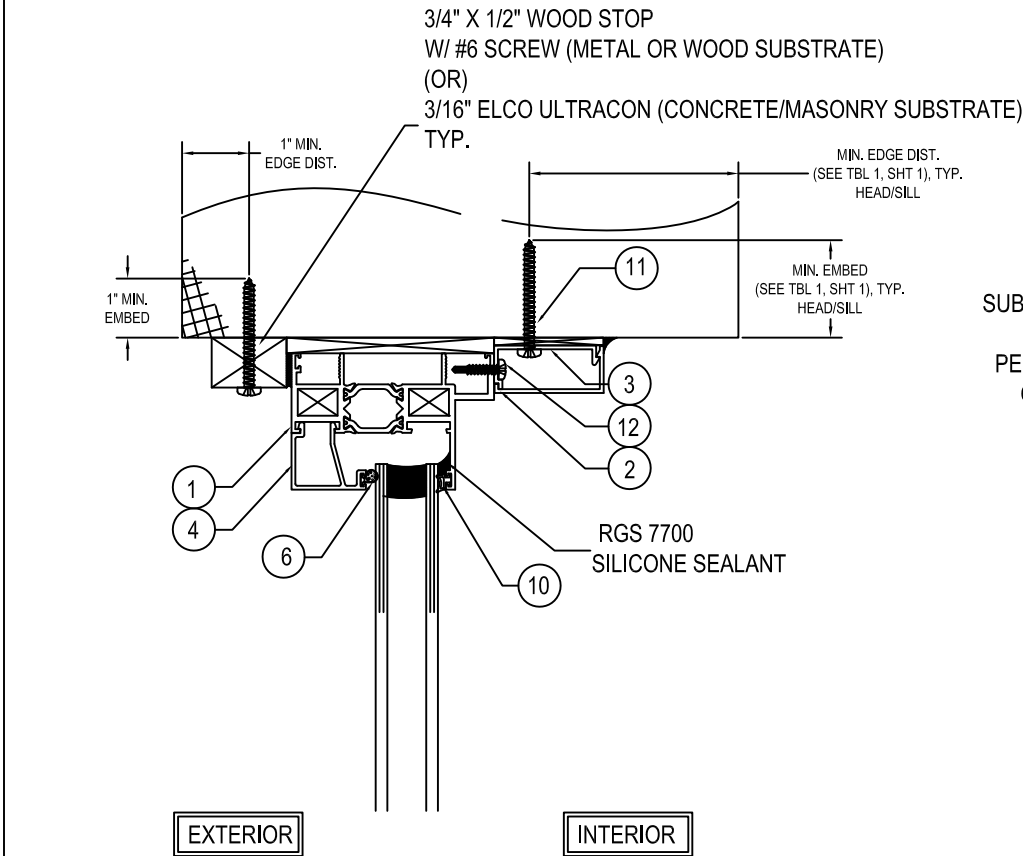
ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED	MIN. EDGE DIST.	MAX. O.C. DIST.
A	CONCRETE (2.0 KSI MIN)	1/4" ITW TAPCON	1 1/2"	1 1/2"	12"
B	HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	1/4" ITW TAPCON	1"	4"	12"
C	CONCRETE (3.05 KSI MIN.)	1/4" DEWALT ULTRACON+	1 3/4"	2 1/2"	12"
D	HOLLOW OR GROUT-FILLED CMU (ASTM C90)	1/4" DEWALT ULTRACON+	1-1/4"	2 1/2"	12"
E	2X MIN. SPRUCE-PINE-FIR WOOD (G=0.42)	1/4" DEWALT ULTRACON+	1-3/8"	1"	9 7/8"
F	2X MIN. SPRUCE-PINE-FIR WOOD (G=0.42)	#12 WOOD SCREW	1-3/8"	1"	9 7/8"
G	16 GAUGE (0.060") MIN. STEEL STUD 33KSI YIELD MIN.	#12-24 ITW TEKS SELF-DRILLING SCREW	SEE NOTE 11	1/2"	9 7/8"
H	1/8" ALUM. 6063-T5 MIN. OR 1/8" STEEL 36 KSI MIN.	#12 GRADE 5 SELF-TAPPING/ DRILLING SCREW	SEE NOTE 11	1/2"	9 7/8"

INSTALL ONE ANCHOR PER LOCATION INDICATED IN ELEVATION VIEW

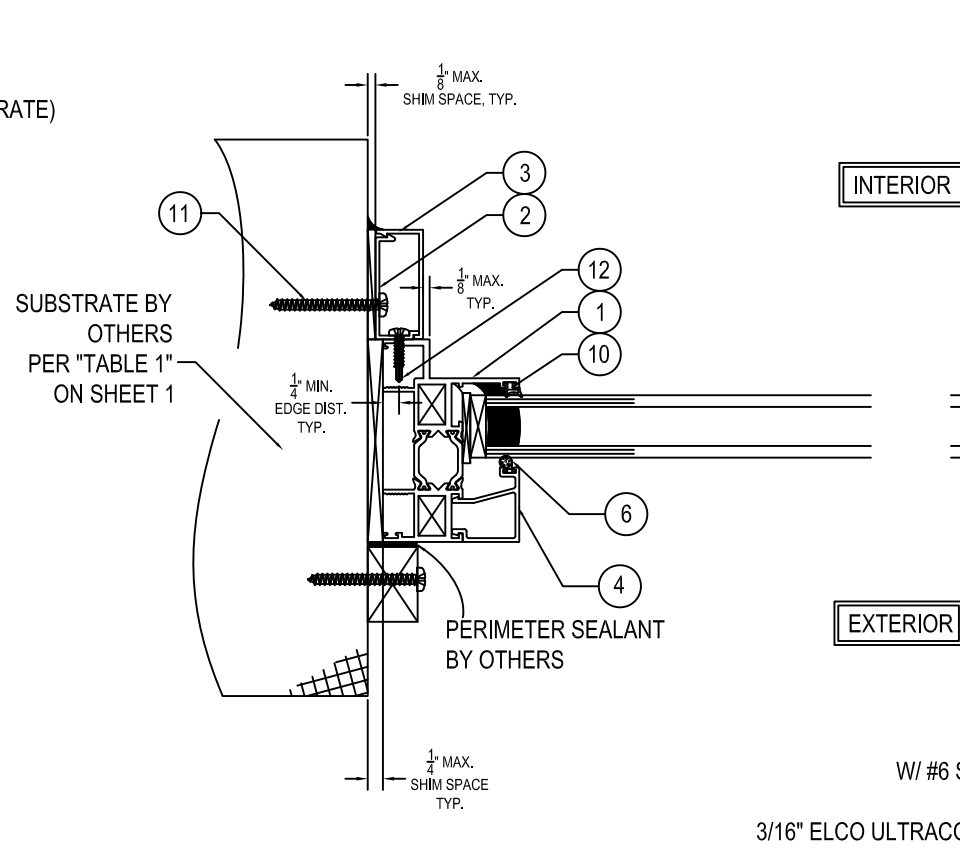
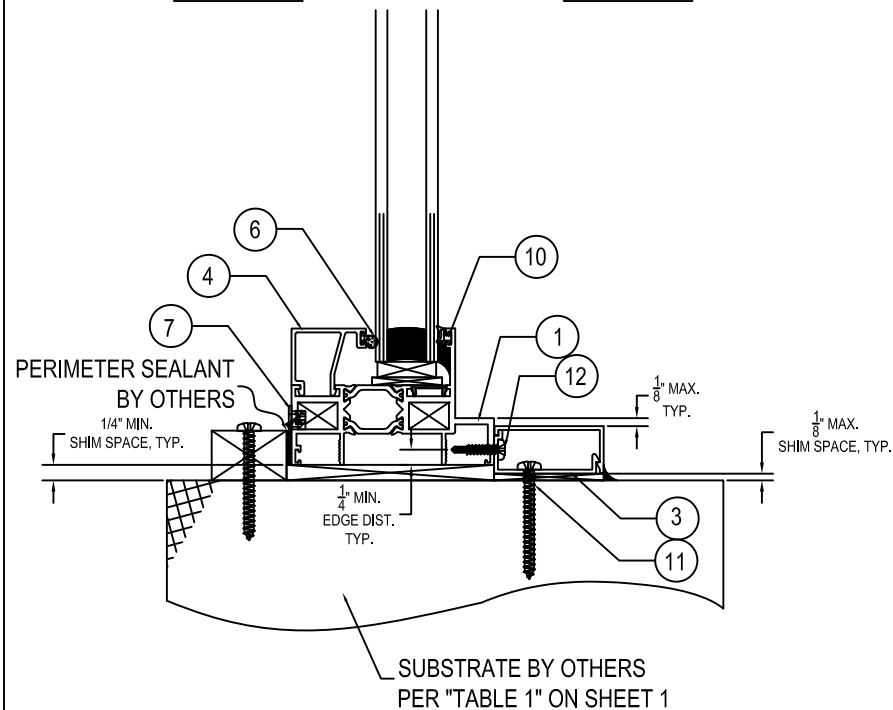
CORNER CONSTRUCTION:

FRAME : VERTICAL AND HORIZONTAL MEMBERS ARE MITERED, JOINED, AND CRIMPED TOGETHER WITH CORNER KEYS. JOINTS ARE SEALED WITH SEALANT.

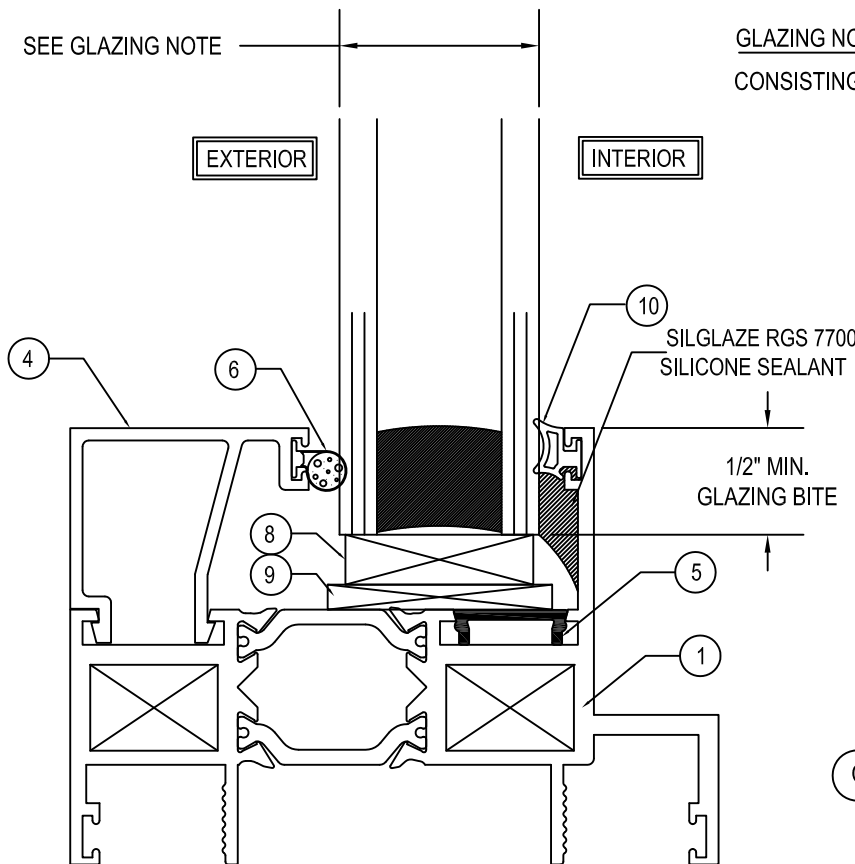
REV.	DATE	DESCRIPTION	BY
E.C. NO.		xxxx-xx	xx/xx/xx
			
8/17/2023			
LUCAS A. TURNER, FL P.E. #58201 TURNER ENGINEERING & CONSULTING, INC. 2428 OLD NATCHEZ TRACE TRAIL CAMDEN, TN 38320 PH. 941-380-1574			
Lucas Turner 2023.08.17 21:03:36 -05'00'			
		71 PROGRESS AVENUE CRANBURY TOWNSHIP, PA 16066 PHONE (724) 776-7000 FAX (724) 776-7114	NX-3800 - FIXED WINDOW NON-IMPACT SCALE: NONE
DRAWN BY YSE		DATE 05/23/12	
DRWG. NO. I-NX3800-001			
SHEET 1 OF 03			



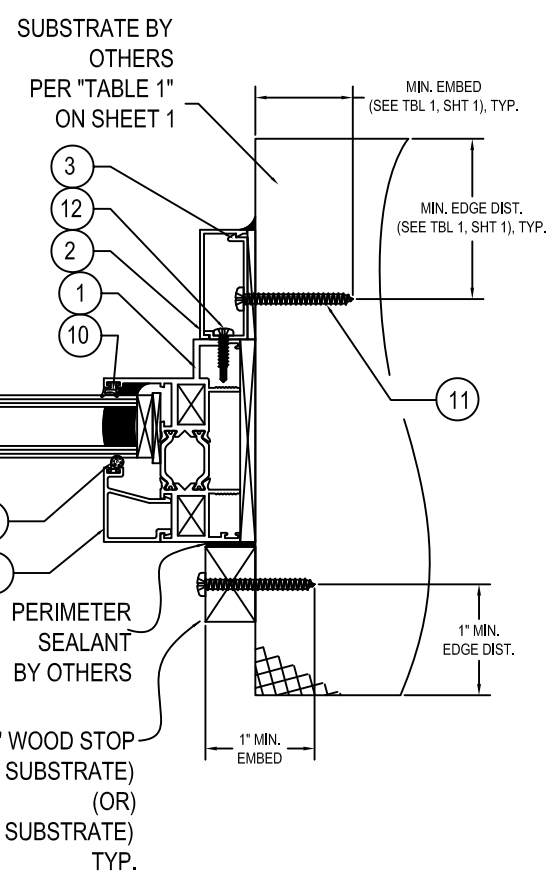
A VERTICAL SECTION
SCALE 3/4"-0" = 1'-0"



B HORIZONTAL SECTION
SCALE 3/4"-0" = 1'-0"



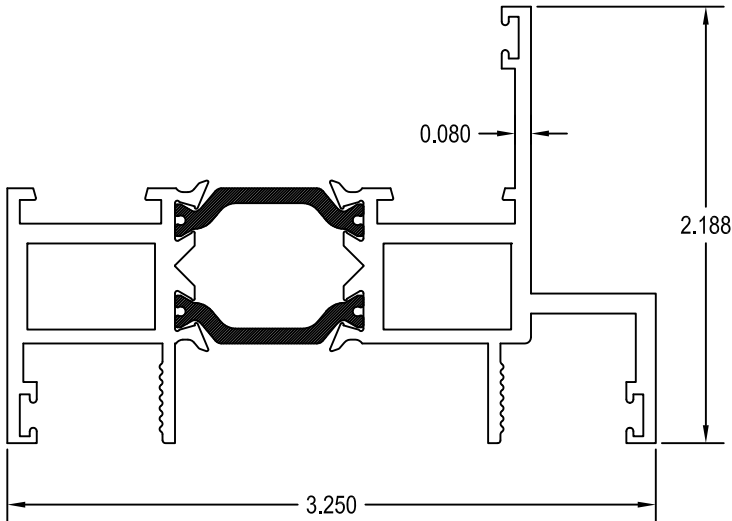
C GLAZING DETAIL
SCALE 3/4"-0" = 1'-0"



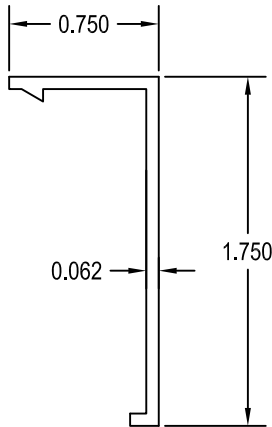
REV.	DATE	DESCRIPTION	BY
E.C. NO. xxxxx-xx XX/XX/XX			
 LUCAS A. TURNER LICENSE No. 58201 STATE OF FLORIDA PROFESSIONAL ENGINEER 8/17/2023			
LUCAS A. TURNER, FL P.E. #58201 TURNER ENGINEERING & CONSULTING, INC. 2428 OLD NATCHEZ TRACE TRAIL CAMDEN, TN 38320 PH. 941-380-1574			
 TRACO A DIVISION OF KAWNEER 71 PROGRESS AVENUE CRANBERRY TOWNSHIP, PA 16066 PHONE (724) 776-7000 FAX (724) 776-7114 NX-3890 -FIXED WINDOW NON-IMPACT SCALE: NONE			
DRAWN BY YSE		DATE 05/23/12	
DRWG. NO. I-NX3800-002			
SHEET 2 OF 03			

MATERIAL PARTS LIST

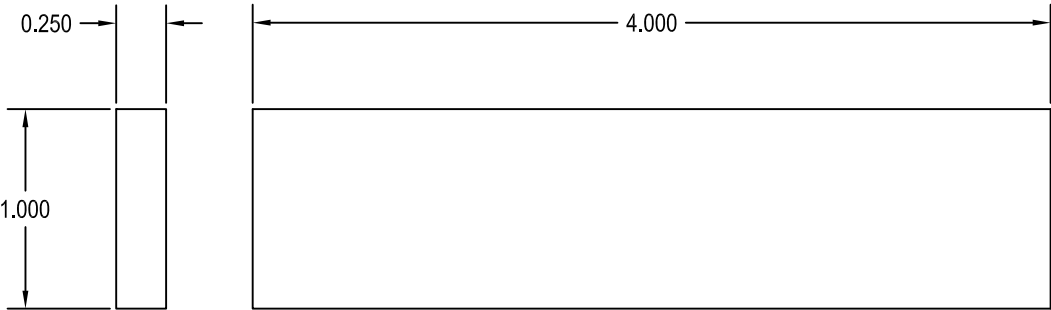
ITEM#	PART #	DESCRIPTION	MATERIAL
EXTRUSIONS			
1	IF-1105	P.O. MASTER FRAME - 3 1/4"	6063-T6 ALUMINUM
2	S-1542	#30 TRIM	6063-T6 ALUMINUM
3	S-1543	#30 CLIP	6063-T6 ALUMINUM
4	S-4945	GLAZING BEAD-FIXED	6063-T6 ALUMINUM
GASKET & MISC. PARTS			
5	20-0730-16	EURO GROOVE FILLER	PVC
6	20-4069	OFFSET BULB, 0.275 DIA	FOAM FILLED BULB
7	30-3886	WEEP COVER	NYLON 69
8	20-6110	1/4" x 1" x 4" SETTING BLOCK	SILICONE
9	20-6111	1/8" x 1 1/8" x 4" SETTING BLOCK	SILICONE
10	20-4246	SILICONE GLAZING GASKET	SILICONE
11	-	ANCHOR	410 STAINLESS STEEL
12	15-0111	#8-18 X 3/4" PPH "TEK" SS	410 STAINLESS STEEL



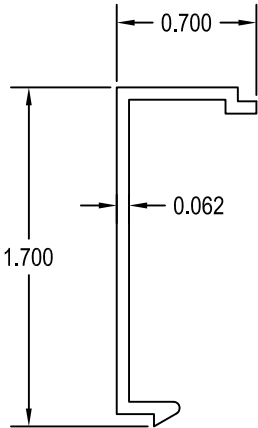
1 P.O. MASTER FRAME
SCALE 1:1



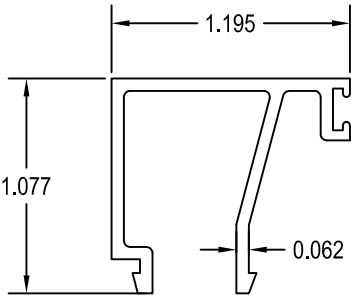
2 #30 TRIM
SCALE 1:1



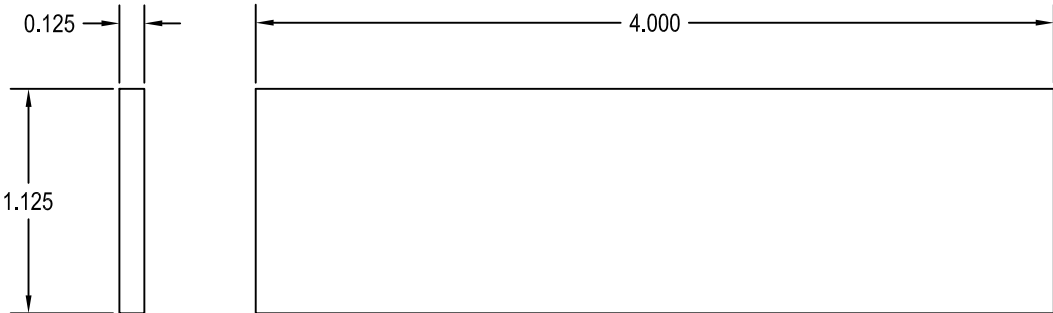
8 1/4" x 1" x 4" SETTING BLOCK
SCALE 1:1



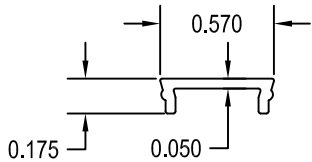
3 #30 CLIP
SCALE 1:1



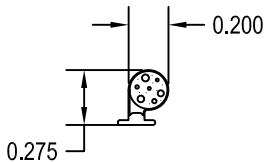
4 GLAZING BEAD - FIXED
SCALE 1:1



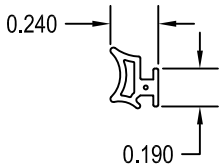
9 1/8" x 1 1/8" x 4" SETTING BLOCK
SCALE 1:1



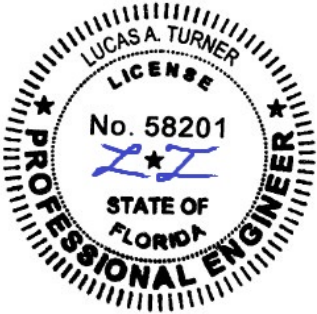
5 EURO GROOVE FILLER
SCALE 1:1



6 OFFSET BULB, 0.275 DIA
SCALE 1:1



10 SILICONE GLAZING GASKET
SCALE 1:1

REV.	DATE	DESCRIPTION	BY
E.C. NO.	xxxx-xx	XX/XX/XX	
			
8/17/2023			
LUCAS A. TURNER, FL P.E. #58201 TURNER ENGINEERING & CONSULTING, INC. 2428 OLD NATCHEZ TRACE TRAIL CAMDEN, TN 38320 PH. 941-380-1574			
		71 PROGRESS AVENUE CRANBURY TOWNSHIP, PA 16066 PHONE (724) 776-7000 FAX (724) 776-7114	
DRAWN BY YSE		DATE 05/23/12	
DRWG. NO. I-NX3800-003			
SHEET 3 OF 03		NX-3800 - FIXED WINDOW NON-IMPACT SCALE: NONE	