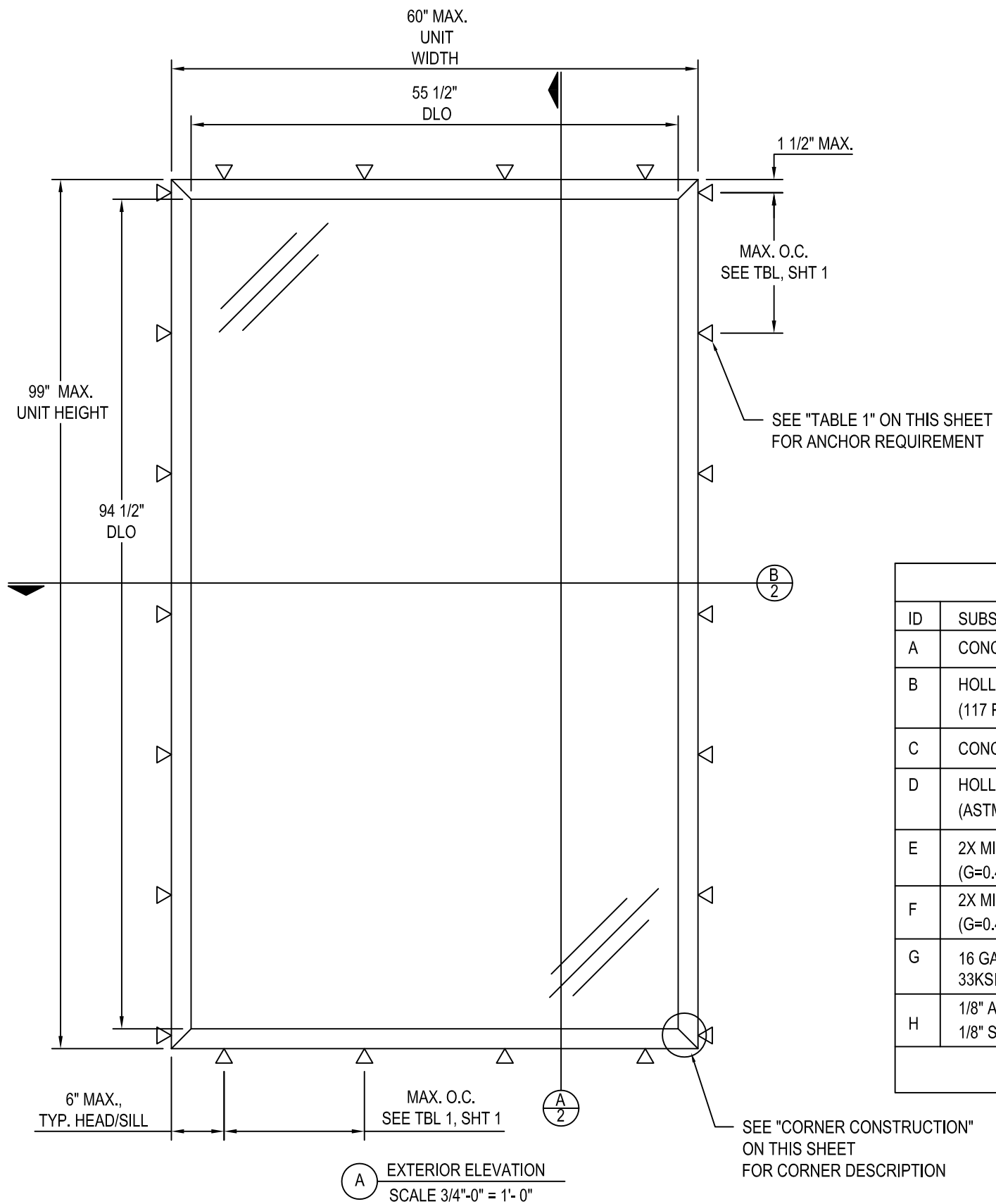


TR7100 - FIXED WINDOW (NON-IMPACT)



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: 0 (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"	9 5/8"
B	HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	1/4" ITW TAPCON	1"	4"	9 5/8"
C	CONCRETE (3.05 KSI MIN.)	1/4" DEWALT ULTRACON+	1 3/4"	2 1/2"	9 5/8"
D	HOLLOW OR GROUT-FILLED CMU (ASTM C90)	1/4" DEWALT ULTRACON+	1 1/4"	2-1/2"	9 5/8"
E	2X MIN. SPRUCE-PINE-FIR WOOD (G=0.42)	1/4" DEWALT ULTRACON+	1 3/8"	1"	7 7/8"
F	2X MIN. SPRUCE-PINE-FIR WOOD (G=0.42)	#12 WOOD SCREW	1 3/8"	1"	7 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"	7 7/8"
H	1/8" ALUM. 6063-T5 MIN. OR 1/8" STEEL 33 KSI MIN.	#12 GRADE 5 SELF-TAPPING/ DRILLING SCREW	SEE NOTE 11	1/2"	7 7/8"

INSTALL ONE ANCHOR PER LOCATION INDICATED IN ELEVATION VIEW

CORNER CONSTRUCTION:

FRAME: VERTICAL AND HORIZONTAL MEMBERS ARE COPED AND BUTTED AND JOINED TOGETHER WITH THREE #6-20 X 1" SCREWS AND SEALED WITH SEALANT.

REV.	DATE	DESCRIPTION	BY

E.C. NO. xxxxx-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
21:10:14
-05'00'

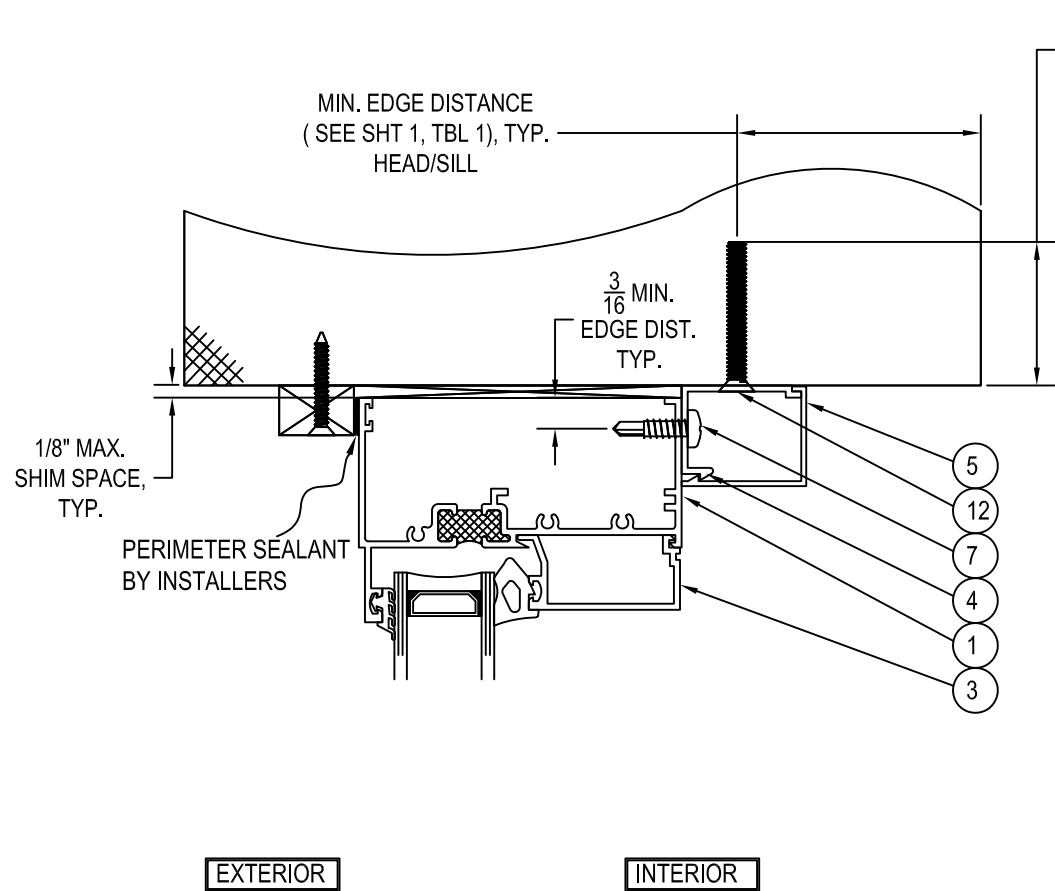
TRACO
A DIVISION OF KAWNEER

71 PROGRESS AVENUE
CRANBURY TOWNSHIP, PA 16066
PHONE (724) 776-7000
FAX (724) 776-7114

TR-7100 - FIXED WINDOW
NON-IMPACT

SCALE: NONE

DRAWN BY YSE	DATE 06/12/12
DRWG. NO. I-NI7100-001	
SHEET 1 OF 03	

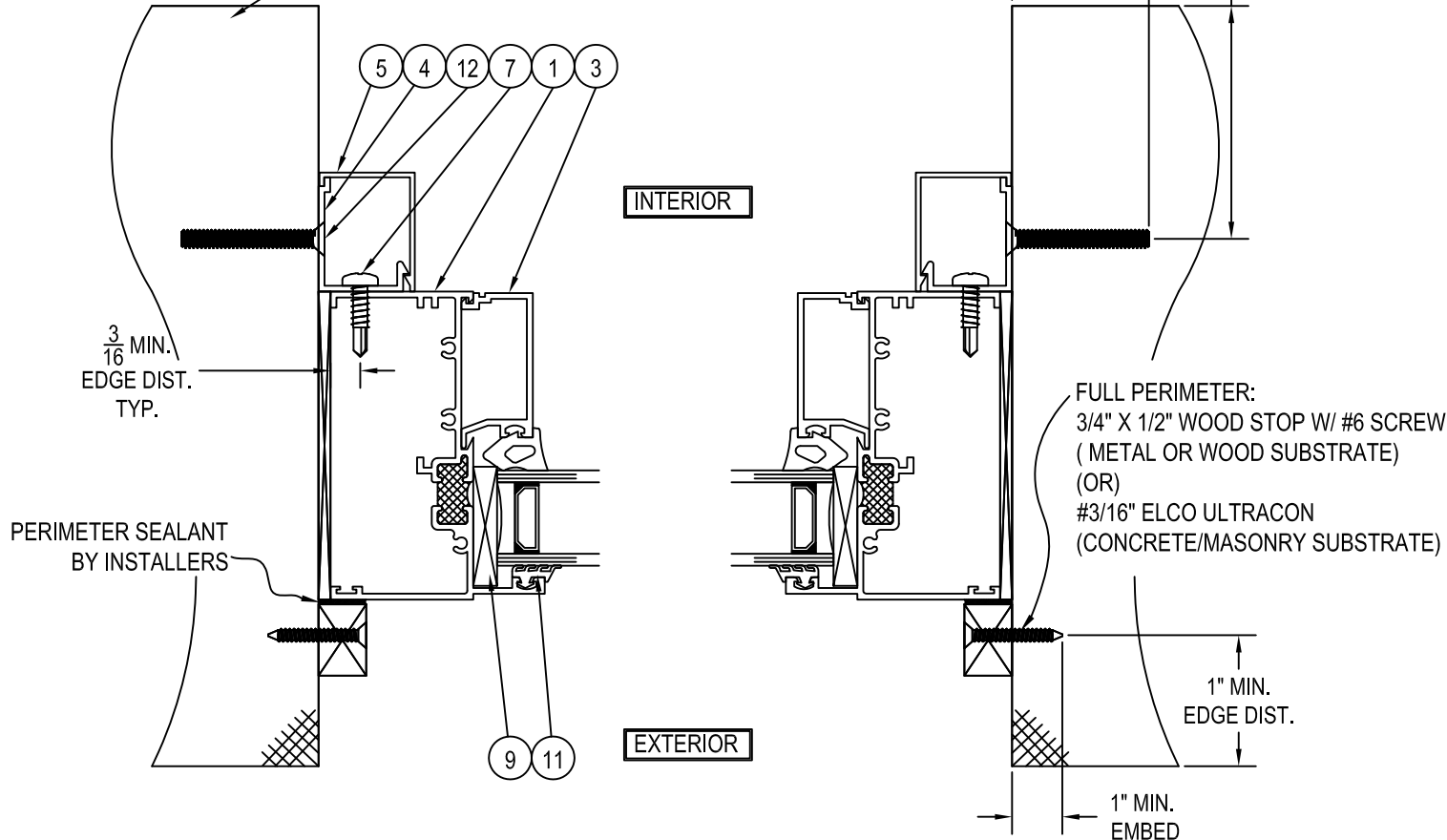


MIN. EMBED
(SEE SHT 1, TBL 1), TYP.
HEAD/SILL

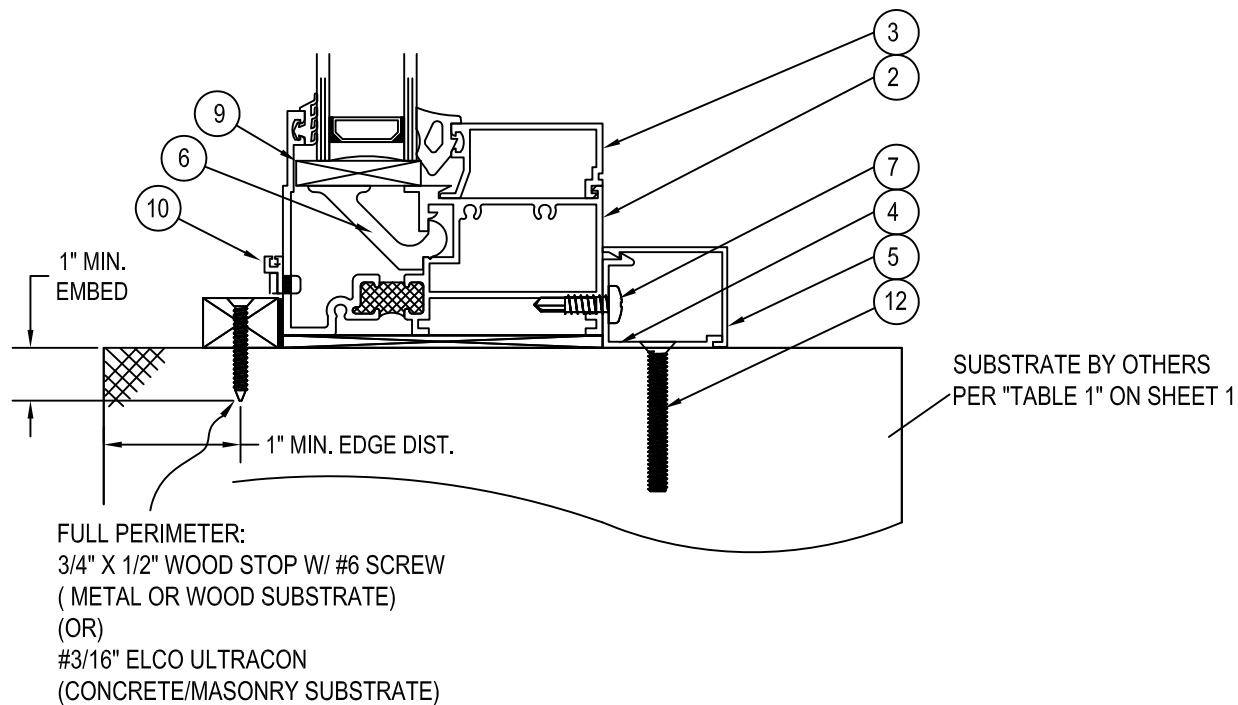
SUBSTRATE BY OTHERS
PER "TABLE 1" ON SHEET 1

MIN. EMBED
(SEE SHT 1, TBL 1)

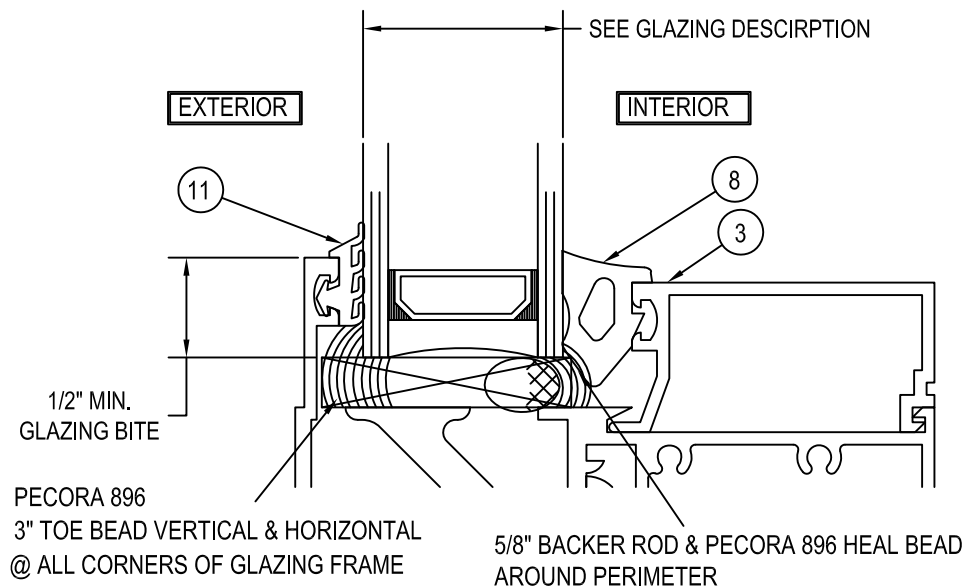
MIN. EDGE DISTANCE
(SEE SHT 1, TBL 1)



B HORIZONTAL SECTION
SCALE 1:1

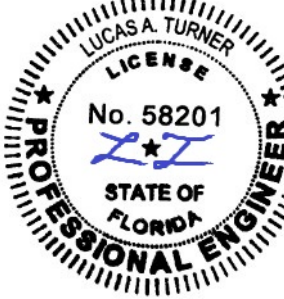


A VERTICAL SECTION
SCALE 1:1



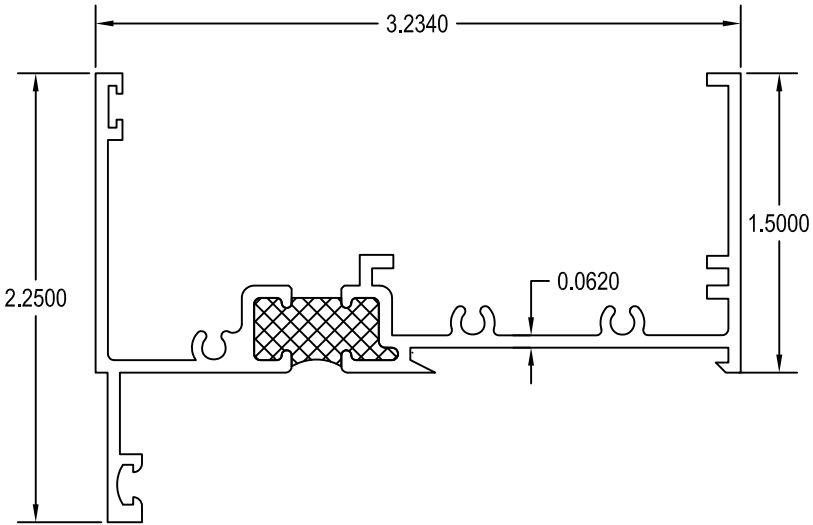
C GLAZING DETAIL

GLAZING DESCRIPTION:
1" INSULATED GLASS UNIT
CONSISTING OF :
(2) 3/16" TEMPERED
LITES W/ 5/8" TPS
THERMOPLASTIC SPACER

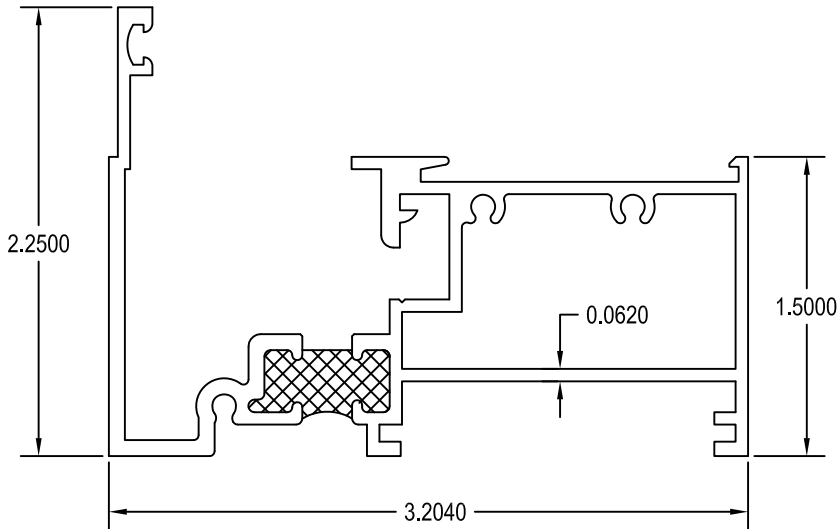
REV.	DATE	DESCRIPTION	BY
E.C. NO.		XXXXX-XX	XX/XX/XX
 8/17/2023			
LUCAS A. TURNER, FL P.E. #58201 TURNER ENGINEERING & CONSULTING, INC. 2428 OLD NATCHEZ TRACE TRAIL CAMDEN, TN 38320 PH. 941-380-1574			
 71 PROGRESS AVENUE CRANBERRY TOWNSHIP, PA 16066 PHONE (724) 776-7000 FAX (724) 776-7114		TR-7100 - FIXED WINDOW NON-IMPACT	
DRAWN BY YSE		DATE 06/12/12	
DRWG. NO. I-NI7100-002			
SHEET 2 OF 03			

MATERIAL PARTS LIST

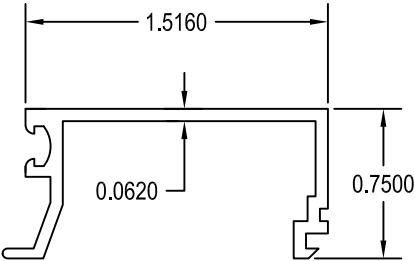
ITEM#	PART #	DESCRIPTION	MATERIAL
EXTRUSIONS			
1	S-770	FRAME HEAD/JAMB	6063-T6 ALUMINUM
2	S-780	FRAME SILL	6063-T6 ALUMINUM
3	S-125	FRAME 1" GLAZING BEAD	6063-T6 ALUMINUM
4	S-1648	#36 CLIP	6063-T6 ALUMINUM
5	S-1649	#36 TRIM	6063-T6 ALUMINUM
6	S-124	SETTING BLOCK STOOL	6063-T6 ALUMINUM
GASKET & MISC. PARTS			
7	15-0073	#10-16 X 3/4" PPH "TEK" 410 SS	410 STAINLESS STEEL
8	20-4048	INTERIOR GLAZING WEDGE	EPDM
9	20-6050	1" GL SETTING BLOCK	EPDM
10	30-2339	WEEP HOLE COVER	MOULDED PLASTIC
11	20-4013	EXTERIOR GLAZING	NEOPRENE
12	-	ANCHOR (PER TABLE 1 ON SHEET 1)	SEE TABLE 1
13	15-0040	#6-20 X 1" PPH "LP" 410 SS	410 STAINLESS STEEL



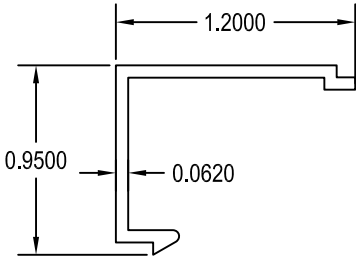
1 FRAME HEAD/JAMB
SCALE 1:1



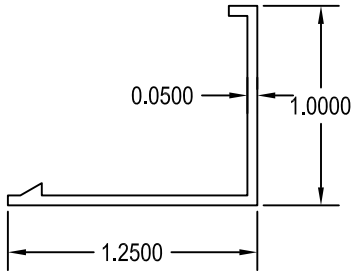
2 FRAME SILL
SCALE 1:1



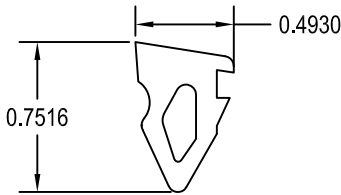
3 1" GLAZING BEAD
SCALE 1:1



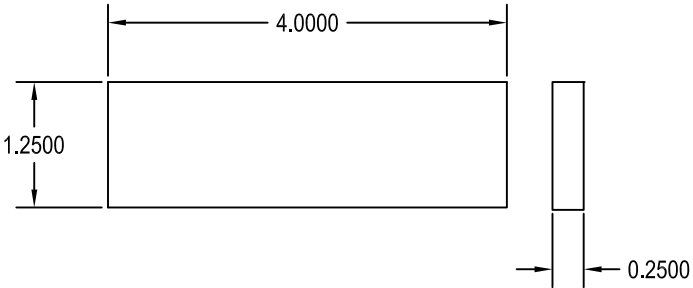
4 #36 CLIP
SCALE 1:1



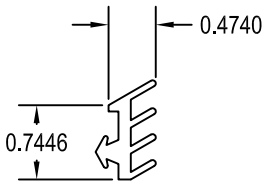
5 #36 TRIM
SCALE 1:1



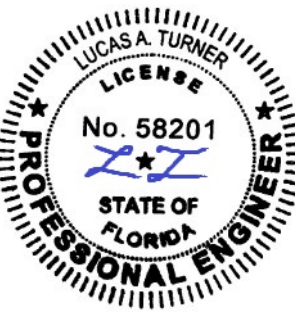
8 INTERIOR GLAZING WEDGE
SCALE 1:1



9 1" GL SETTING BLOCK
SCALE 1:2



11 EXTERIOR GLAZING
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 TR-7100 - FIXED WINDOW NON-IMPACT SCALE: NONE			
DRAWN BY YSE		DATE 06/13/12	
DRWG. NO. I-NI7100-003			
SHEET 3 OF 03			