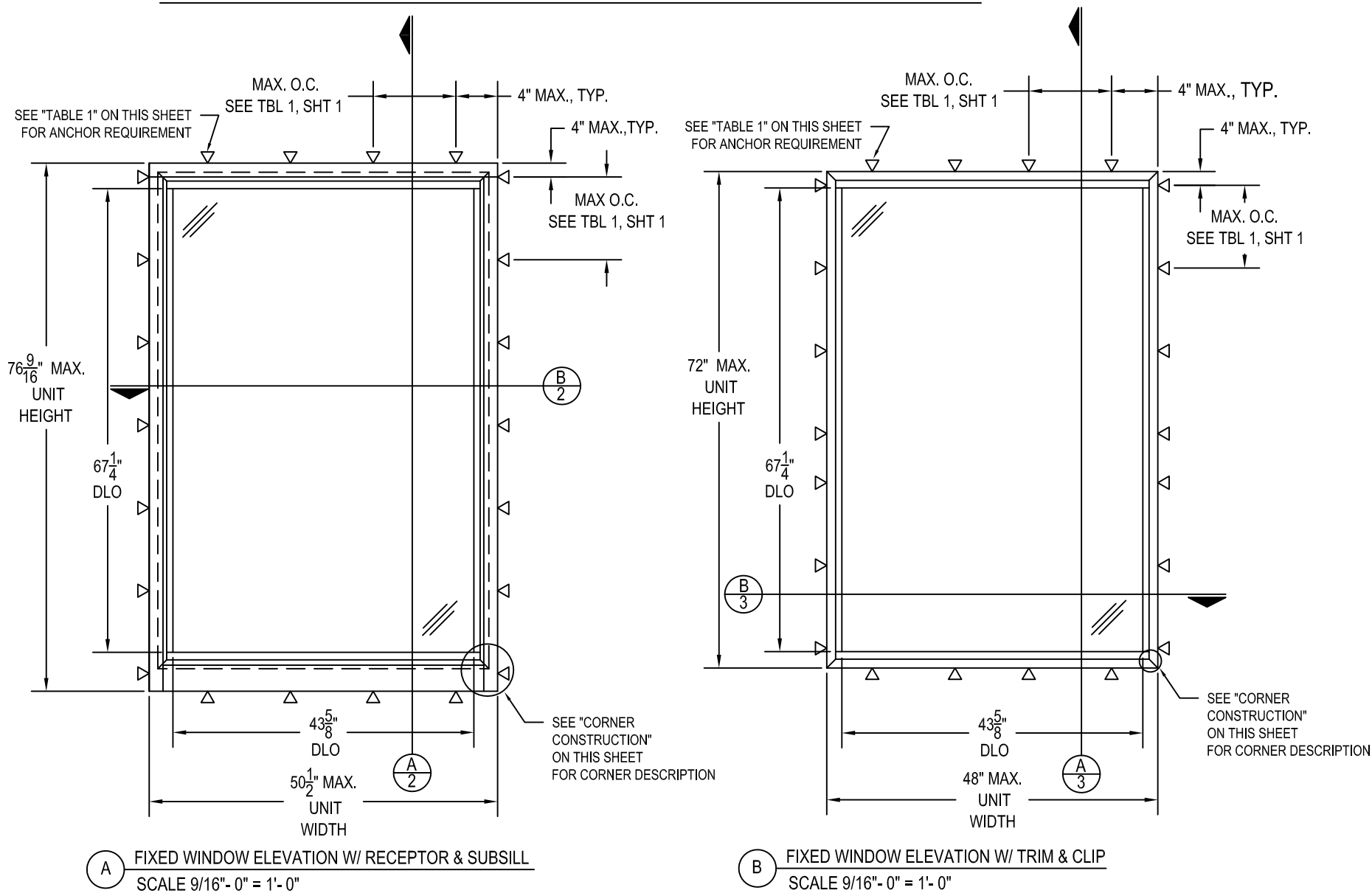


NX3800 - FIXED WINDOW (LARGE MISSILE IMPACT)



DESIGN PRESSURE = +120/ -120 PSF

CORNER CONSTRUCTION:

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

RECEPTOR : HORIZONTAL HEAD RECEPTOR RUNS THROUGH. VERTICAL JAMB RECEPTORS ARE SQUARED CUT AND BUTTED TO HEAD RECEPTOR. JOINTS ARE SEALED WITH SEALANT.

RECEPTOR TO SUBSILL : VERTICAL RECEPTORS RUN THROUGH. SUBSILLS ARE SQUARED CUT AND BUTTED TO RECEPTORS. JOINTS ARE SEALED WITH SEALANT.

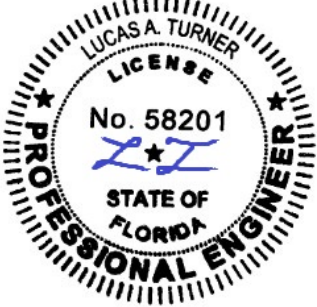
GENERAL NOTES

1. THIS PRODUCT HAS BEEN TESTED TO AAMA/WDMA/CSA 101/I.S.2/A440 AND TAS 201/202/203-94, AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, CURRENT EDITION, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (IN HVHZ MAY ONLY BE INSTALLED UP TO 30 FT ABOVE GRADE).
2. THIS PRODUCT, FABRICATED, GLAZED, AND ANCHORED AS DETAILED IN THIS DRAWING, IS LARGE MISSILE IMPACT RESISTANT AND DOES NOT REQUIRE THE USE OF SHUTTERS.
3. ALLOWABLE CONFIGURATION: O (SINGLE FIXED LITE)
4. THE DESIGN PRESSURE RATINGS INDICATED 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 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.

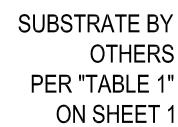
TABLE 1: INSTALLATION ANCHOR REQUIREMENTS TABLE

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"	10"
B	HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	1/4" ITW TAPCON	1"	4"	10"
C	CONCRETE (3.05 KSI MIN.)	1/4" DEWALT ULTRAICON+	1 3/4"	2 1/2"	10"
D	HOLLOW OR GROUT-FILLED CMU (ASTM C90)	1/4" DEWALT ULTRAICON+	1-1/4"	2 1/2"	10"
E	2X MIN. SPRUCE-PINE-FIR WOOD (G=0.42)	1/4" DEWALT ULTRAICON+	1-3/8"	1"	8 1/4"
F	2X MIN. SPRUCE-PINE-FIR WOOD (G=0.42)	#12 WOOD SCREW	1-3/8"	1"	8 1/4"
G	16 GAUGE (0.060") MIN. STEEL STUD 33KSI YIELD MIN.	#12-24 ITW TEKS SELF-DRILLING SCREW	SEE NOTE 11	1/2"	8 1/4"
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"	8 1/4"

INSTALL ONE ANCHOR PER LOCATION INDICATED IN ELEVATION VIEW

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 21:03:55 -05'00'			
		71 PROGRESS AVENUE CRANBURY TOWNSHIP, PA 16066 PHONE (724) 776-7000 FAX (724) 776-7114	
DRAWN BY YSE		DATE 05/22/12	
DRWG. NO. I-LMN3800-001			
SHEET 1 OF 04		NX-3800 - FIXED WINDOW LARGE MISSILE IMPACT SCALE: NONE	

SHEET	
2 OF 04	



B



C

A circular professional engineer seal for the State of Florida. The outer ring contains the text "LUCAS A. TURNER" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside the ring, the word "LICENSE" is at the top, "No. 58201" is in the center, and "STATE OF FLORIDA" is at the bottom. A stylized blue signature is written over the license number.

LUCAS A. TURNER, FL P.E. #58201
TURNER ENGINEERING &
CONSULTING, INC.
2428 OLD NATCHEZ TRACE TRAIL
CAMDEN, TN 38320
PH. 941-380-1574

TRACO

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

NX-3890 -FIXED WINDOW
 LARGE MISSILE IMPACT

1100

DRAWN BY YSE	DATE 05/22/12
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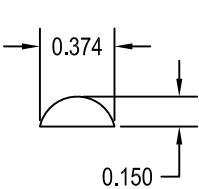
DRWG. NO.	
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I-LMN3800-003

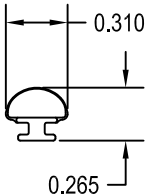
SHEET
3 OF 04

MATERIAL PARTS LIST

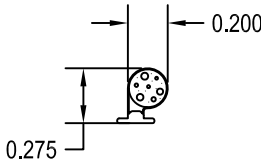
ITEM#	PART #	DESCRIPTION	MATERIAL
EXTRUSIONS			
1	IF-1105	P.O. MASTER FRAME - 3 1/4"	6063-T6 ALUMINUM
2	S-279	15 PSF 3.25 SUBSILL	6063-T6 ALUMINUM
3	S-071	2.0" RECEPTOR CLIP	6063-T6 ALUMINUM
4	S-017	#5 TRIM	6063-T6 ALUMINUM
5	S-018	#5 CLIP	6063-T6 ALUMINUM
6	S-072	3.25 x 2.0 RECEPTOR	6063-T6 ALUMINUM
7	S-4945	GLAZING BEAD-FIXED	6063-T6 ALUMINUM
8	S-3607	SUBSILL CLIP FOR S-1443	6063-T6 ALUMINUM
GASKETS & MISC. PARTS			
9	20-0730-16	EURO GROOVE FILLER	PVC
10	20-4069	OFFSET BULB, 0.275 DIA	FOAM FILLED BULB
11	20-4164	BULB VINYL	BULB TO BE TPE/SANTOPRENE BACKING TO BE RIGID POLYPROPYLENE
12	20-4163	STRIP SEAL GASKET	60 DUROMETER BLACK ALCRYN 60 DUROMETER BLACK ALCRYN
13	30-3886	WEEP COVER	NYLON 69
14	30-3086	0.150" BUMPON	POLYURETHANE
15	20-6111	1/8" x 1 1/8" x 4" SETTING BLOCK	SILICONE
16	20-4205	PRE-SET PANNING SEAL	-
17	-	ANCHOR (PER TABLE 1, SHEET)	(PER TABLE 1, SHEET 1)
18	-	#10-16 X 3/4" PPH "TEK" SS	410 STAINLESS STEEL



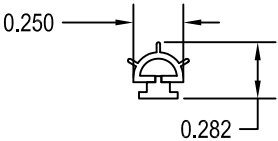
14 0.150" BUMPON
SCALE 1:1



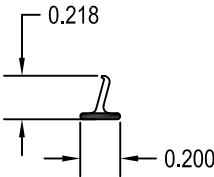
16 PRE-SET PANNING SEAL
SCALE 1:1



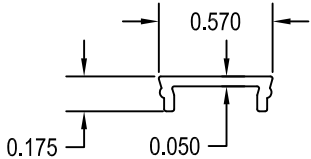
10 OFFSET BULB, 0.275 DIA
SCALE 1:1



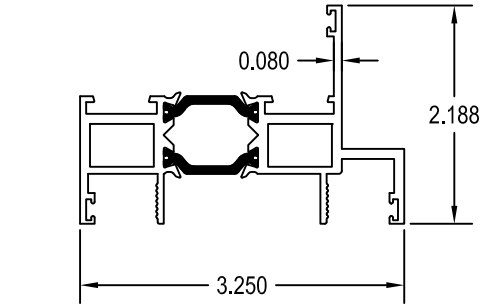
11 BULB VINYL
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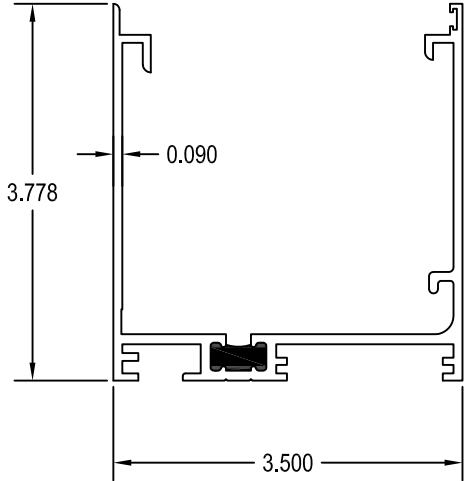
12 STRIP SEAL GASKET
SCALE 1:1



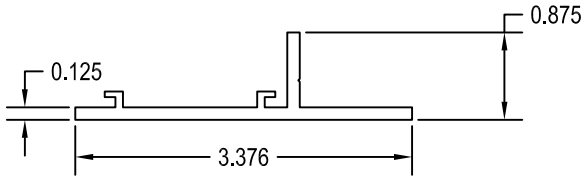
9 EURO GROOVE FILLER
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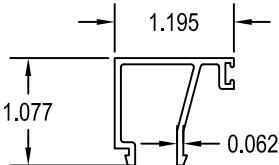
1 P.O. MASTER FRAME
SCALE 1:2



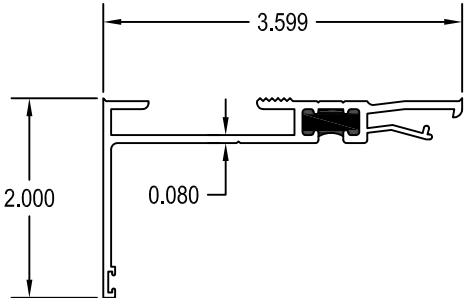
2 15 PSF 3.25 SUBSILL
SCALE 1:2



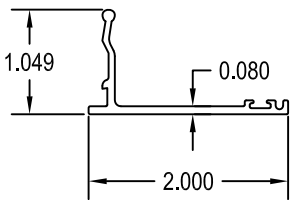
8 SUBSILL CLIP FOR S-1443
SCALE 1:2



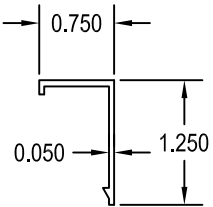
7 GLAZING BEAD - FIXED
SCALE 1:2



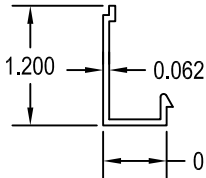
6 3.25 x 2.0 RECEPTOR
SCALE 1:2



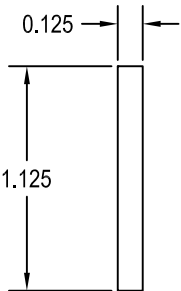
3 2.0" RECEPTOR CLIP
SCALE 1:2



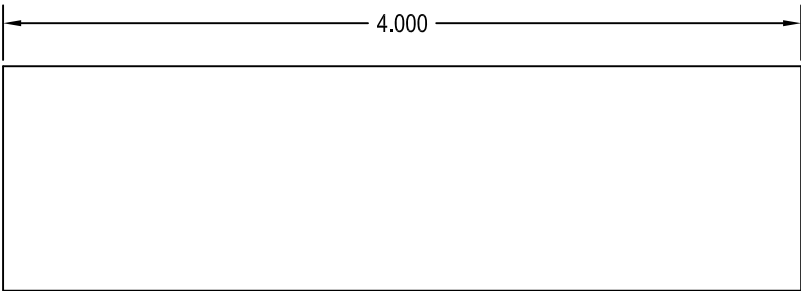
4 #5 TRIM
SCALE 1:2

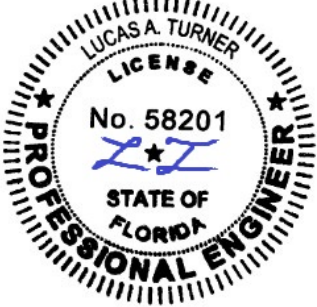


5 #5 CLIP
SCALE 1:2



15 1/8" x 1 1/8" x 4" SETTING BLOCK
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 NX-3800 - FIXED WINDOW LARGE MISSILE IMPACT SCALE: NONE			
DRAWN BY YSE		DATE 05/22/12	
DRWG. NO. I-LMNX3800-004			
SHEET 4 OF 04			