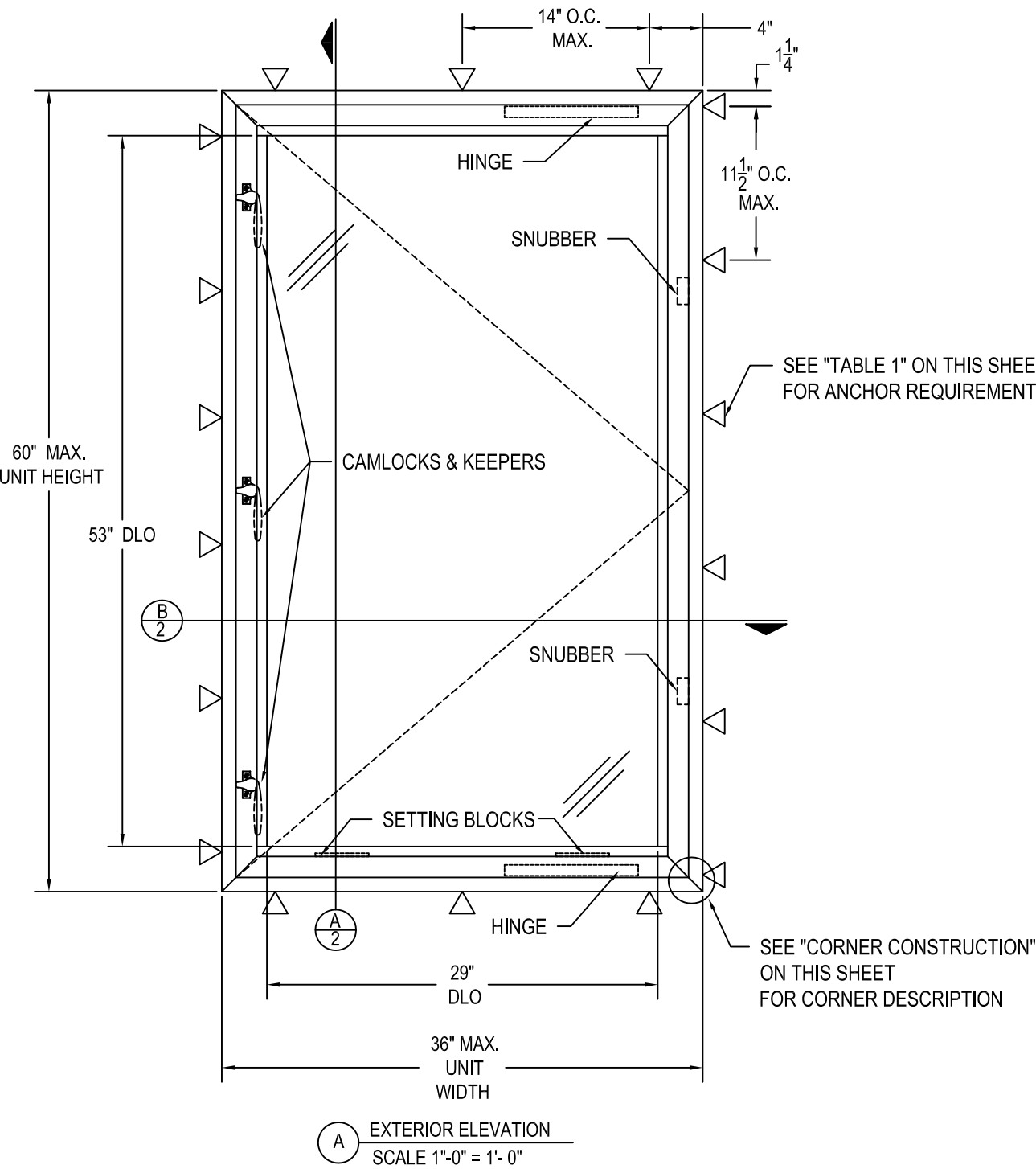


NX3100 - OUTSWING CASEMENT WINDOW (NON-IMPACT)



DESIGN PRESSURE = +80/- 80 PSF

HARDWARE TYPES AND LOCATIONS

CAMLOCKS & KEEPERS (ITEM #21 & 22) , TWO @ 8" FROM EACH END AND ONE @ MID-SPAN OF LOCK STILE
4-BAR HINGES (ITEM #19), ONE EACH @ HEAD AND SILL
SNUBBERS (ITEM #18), TWO @ 15" FROM EACH END OF JAMB / HINGE STILE
SETTING BLOCKS (ITEM #11), TWO @ 1/4 POINT FROM EACH END FOR SILL

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: X (SINGLE OPERABLE SASH)
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.
A	CONCRETE (2.0 KSI MIN)	3/16" ITW TAPCON	1"	1 1/8"
B	HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	3/16" ITW TAPCON	1"	2"
C	CONCRETE (3.05 KSI MIN.)	3/16" DEWALT ULTRACON+	1-3/4"	1"
D	HOLLOW OR GROUT-FILLED CMU (ASTM C90)	3/16" DEWALT ULTRACON+	1-1/4"	2 1/2"
E	2X MIN. SPRUCE-PINE-FIR WOOD (G=0.42)	3/16" DEWALT ULTRACON+	1-3/8"	1"
F	2X MIN. SPRUCE-PINE-FIR WOOD (G=0.42)	#10 WOOD SCREW	1-3/8"	1"
G	16 GAUGE (0.060") MIN. STEEL STUD 33KSI YIELD MIN.	#10-16 ITW TEKS SELF-DRILLING SCREW	SEE NOTE 11	1/2"
H	1/8" ALUM. 6063-T5 MIN. OR 1/8" STEEL 36 KSI MIN.	#10 GRADE 5 SELF-TAPPING/ DRILLING SCREW	SEE NOTE 11	1/2"

INSTALL ONE ANCHOR PER LOCATION INDICATED IN ELEVATION VIEW

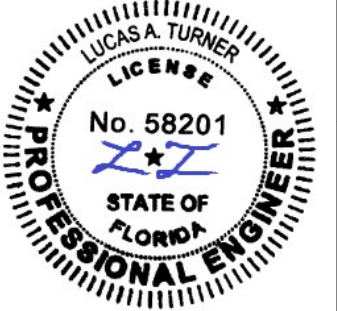
CORNER CONSTRUCTION:

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

VENT: VERTICAL AND HORIZONTAL MEMBERS ARE MITERED AND JOINED TOGETHER WITH CORNER KEY, CRIMPED 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
21:06:06
-05'00'

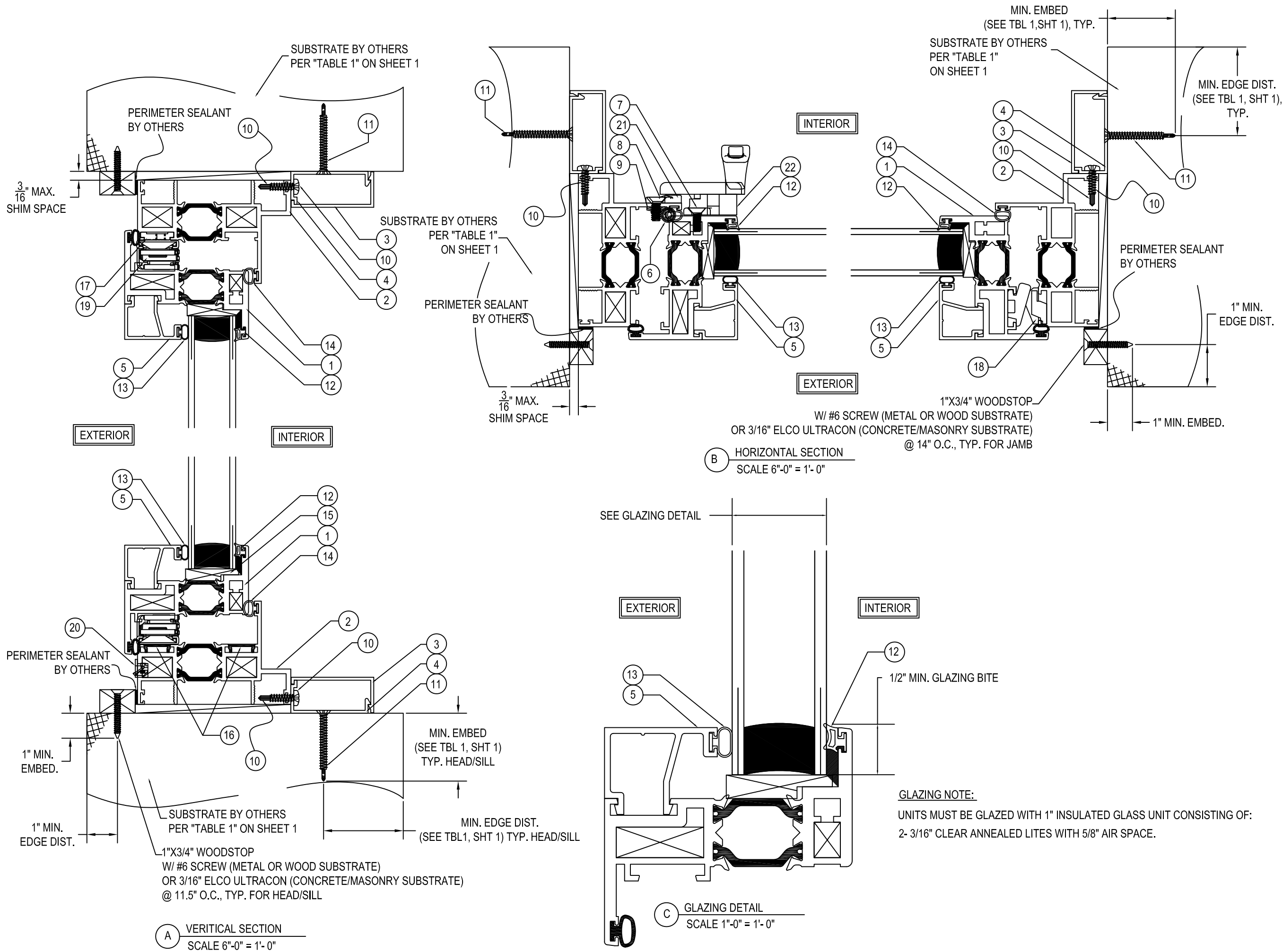
TRACO
A DIVISION OF KAWNEER

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

NX-3100 - OUTSWING CASEMENT WINDOW
NON-IMPACT

SCALE: NONE

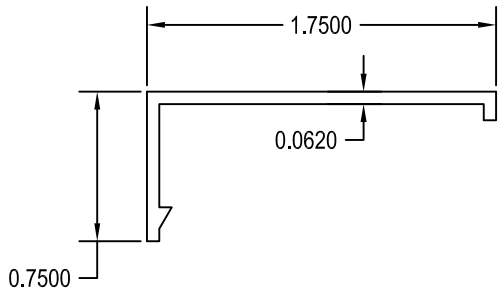
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DRWG. NO. I-NX3100-001	
SHEET 1 OF 03	



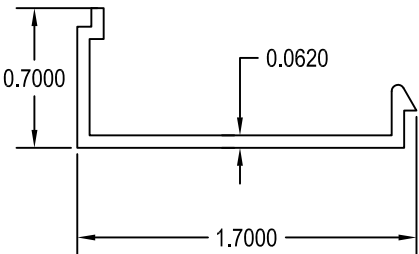
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E.C. NO. xxxxxx-xx XX/XX/XX			
 LUCAS A. TURNER LICENSE No. 58201 STATE OF FLORIDA PROFESSIONAL ENGINEER 8/17/2023			
LUCAS A. TURNER, FL P.E. #58201 TURNER ENGINEERING & CONSULTING, INC. 2428 OLD NATCHEZ TRACE TRAIL CAMDEN, TN 38320 PH. 941-380-1574			
 TRACO A DIVISION OF KAWNEER 71 PROGRESS AVENUE CRANBERRY TOWNSHIP, PA 16066 PHONE (724) 776-7000 FAX (724) 776-7114 NX-3100 - OUTSWING CASEMENT WINDOW NON-IMPACT SCALE: NONE			
DRAWN BY YSE		DATE 05/15/12	
DRWG. NO. I-NX3100-002			
SHEET 2 OF 03			

MATERIAL PARTS LIST

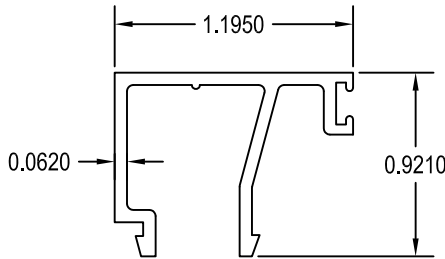
ITEM#	PART #	DESCRIPTION	MATERIAL
EXTRUSION			
1	IF-1108	PROJECT OUT VENT RAIL	6063-T6 ALUMINUM
2	IF-1105	P.O. MASTER FRAME - 3 1/4"	6063-T6 ALUMINUM
3	S-1542	#30 TRIM	6063-T6 ALUMINUM
4	S-1543	#30 CLIP	6063-T6 ALUMINUM
5	S-4946	GLAZING BEAD - VENT	6063-T6 ALUMINUM
HARDWARE, GASKET & MISC. PARTS			
6	15-0501	#8-32 AK SERIES THREADED INSERT	410 STAINLESS STEEL
7	15-0555	#8-32 X 1/2" PFH "MS" 18-8 SS w/ #HEAD & LOCTITE	18-8 STAINLESS STEEL
8	15-0066	#10-24 X 1/2" PFH "MS" 18-8 SS	18-8 STAINLESS STEEL
9	15-0067	#10-24 P-M NUT	18-8 STAINLESS STEEL
10	15-0111	#8-18 X 3/4" PPH "TEK" SS	410 STAINLESS STEEL
11	-	ANCHOR (SEE TABLE 1 ON SHEET 1)	-
12	20-4246	SILICONE GLAZING GASKET	SILICONE
13	20-7051	0.187 X 0.375 FOAM FILLED BULB	FOAM FILLED BULB
14	20-4258	FRAME / VENT GASKET	60 SHORE - D - PVC 60 DUROMETER BLACK ALCRYN
15	20-6079	OFFSET SETTING BLOCK	RUBBER POLYMER
16	20-0730-16	EURO GROOVE FILLER	PVC
17	30-3689	SHIM FOR 11" 4-BAR HINGE	18-8 STAINLESS STEEL
18	30-3709	SNUBBER KIT	CAST ZINC
19	30-3640	11" 4-BAR HINGE PROJECTED	18-8 STAINLESS STEEL
20	30-3886	WEEP COVER	NYLON 69
21	30-4270	P.O. SWEEP LATCH KEEPER	WHITE BRONZE
22	30-4267	P.O. CAM LOCK, LH	WHITE BRONZE



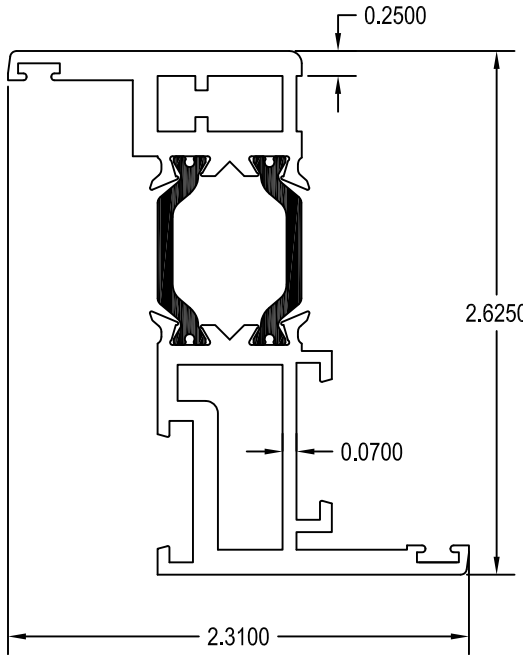
3 #30 TRIM
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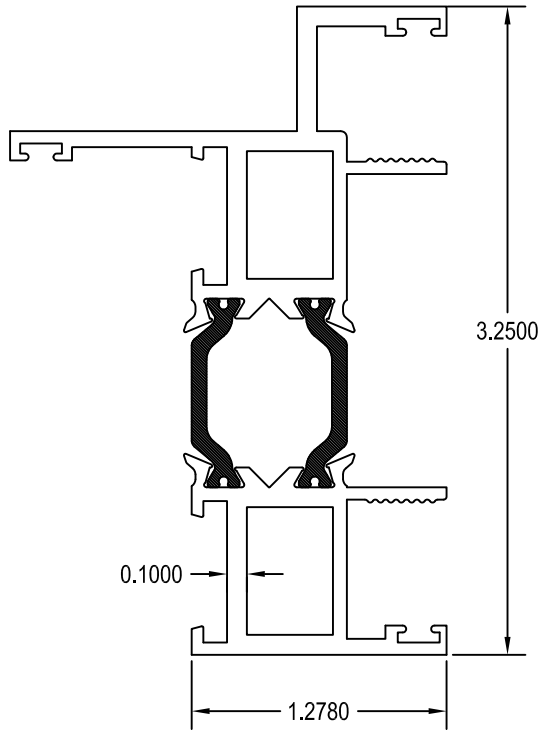
4 #30 CLIP
SCALE 1:1



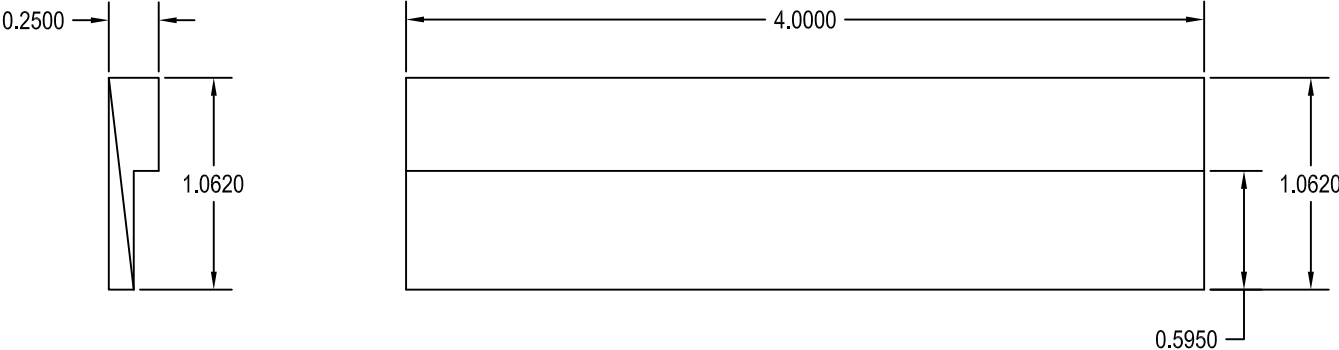
5 GLAZING BEAD - VENT
SCALE 1:1



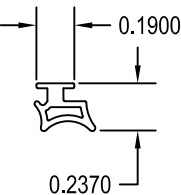
1 PROJECT OUT VENT RAIL
SCALE 1:1



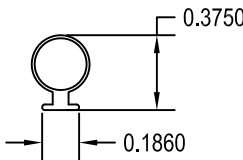
2 P.O. MASTER FRAME - 3 1/4"
SCALE 1:1



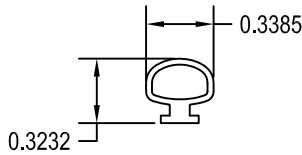
15 OFFSET SETTING BLOCK
SCALE 1:1



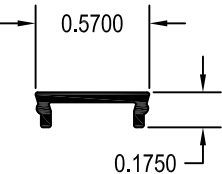
12 SILICONE GLAZING GASKET
SCALE 1:1



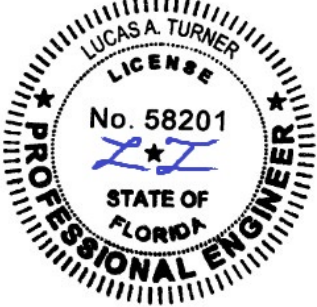
13 0.187 X 0.375 FOAM FILLED BULB
SCALE 1:1



14 FRAME / VENT GASKET
SCALE 1:1



16 EURO GROOVE FILLER
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-3100 - OUTSWING CASEMENT WINDOW NON-IMPACT		SCALE: NONE	
DRAWN BY YSE		DATE 05/15/12	
DRWG. NO. I-NX3100-003			
SHEET 3 OF 03			