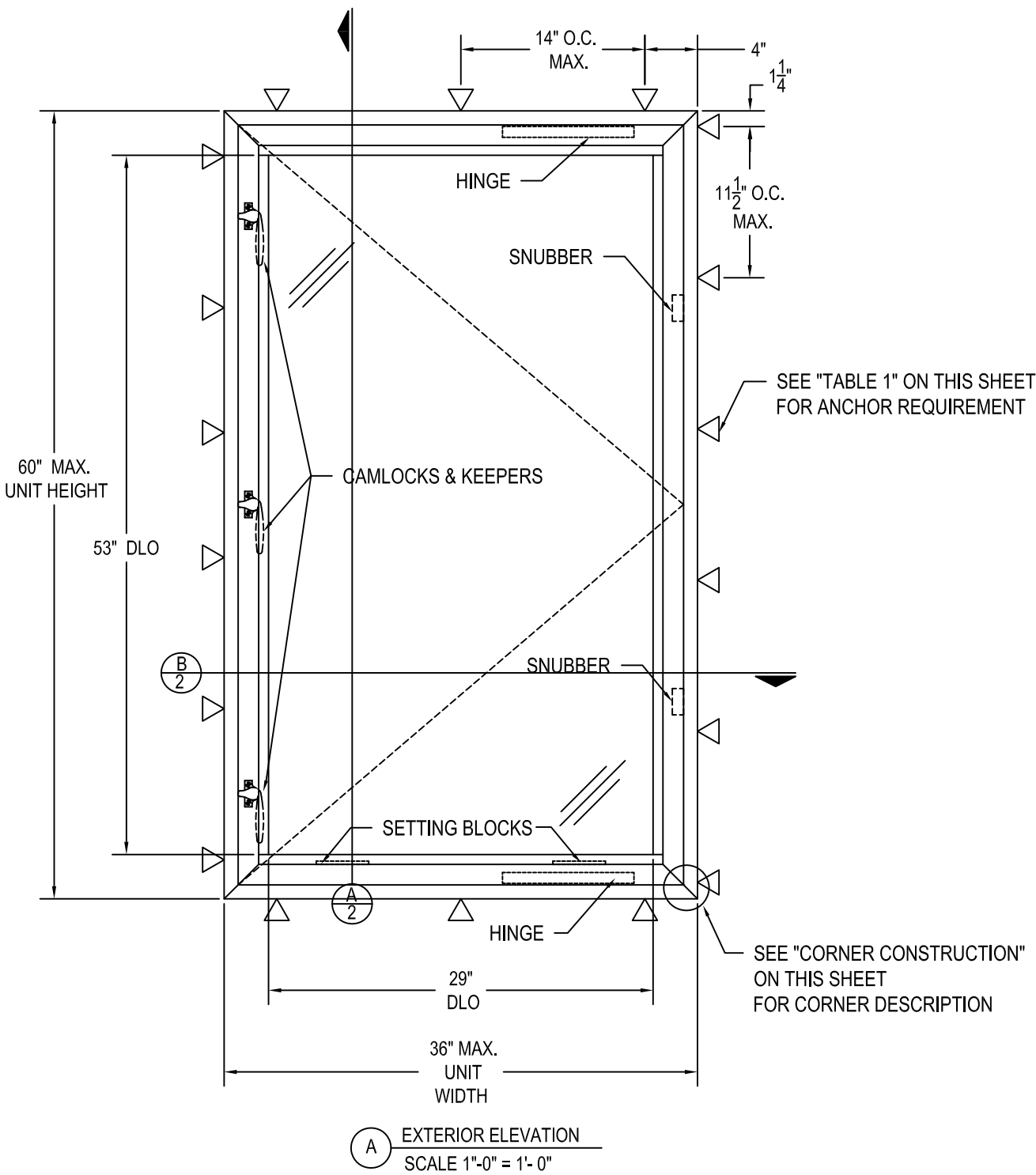


NX3200 - INSWING CASEMENT WINDOW (NON-IMPACT)



DESIGN PRESSURE = +80/- 80 PSF

HARDWARE TYPES AND LOCATIONS

CAMLOCK & KEEPER (ITEM #18 & 19) , TWO @ 10" FROM EACH END AND ONE @ MID-SPAN OF LOCK STILE  
HINGES (ITEM #16), ONE EACH @ HEAD AND SILL  
SNUBBERS (ITEM #15), TWO @ 15" FROM EACH END OF JAMB / HINGE STILE  
SETTING BLOCKS (ITEM #12), 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

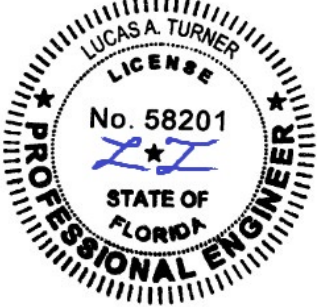
| ID | SUBSTRATE TYPE                                     | ANCHOR TYPE                              | MIN. EMBED  | MIN. EDGE DIST. |
|----|----------------------------------------------------|------------------------------------------|-------------|-----------------|
| A  | CONCRETE (2.0 KSI MIN)                             | 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"            |

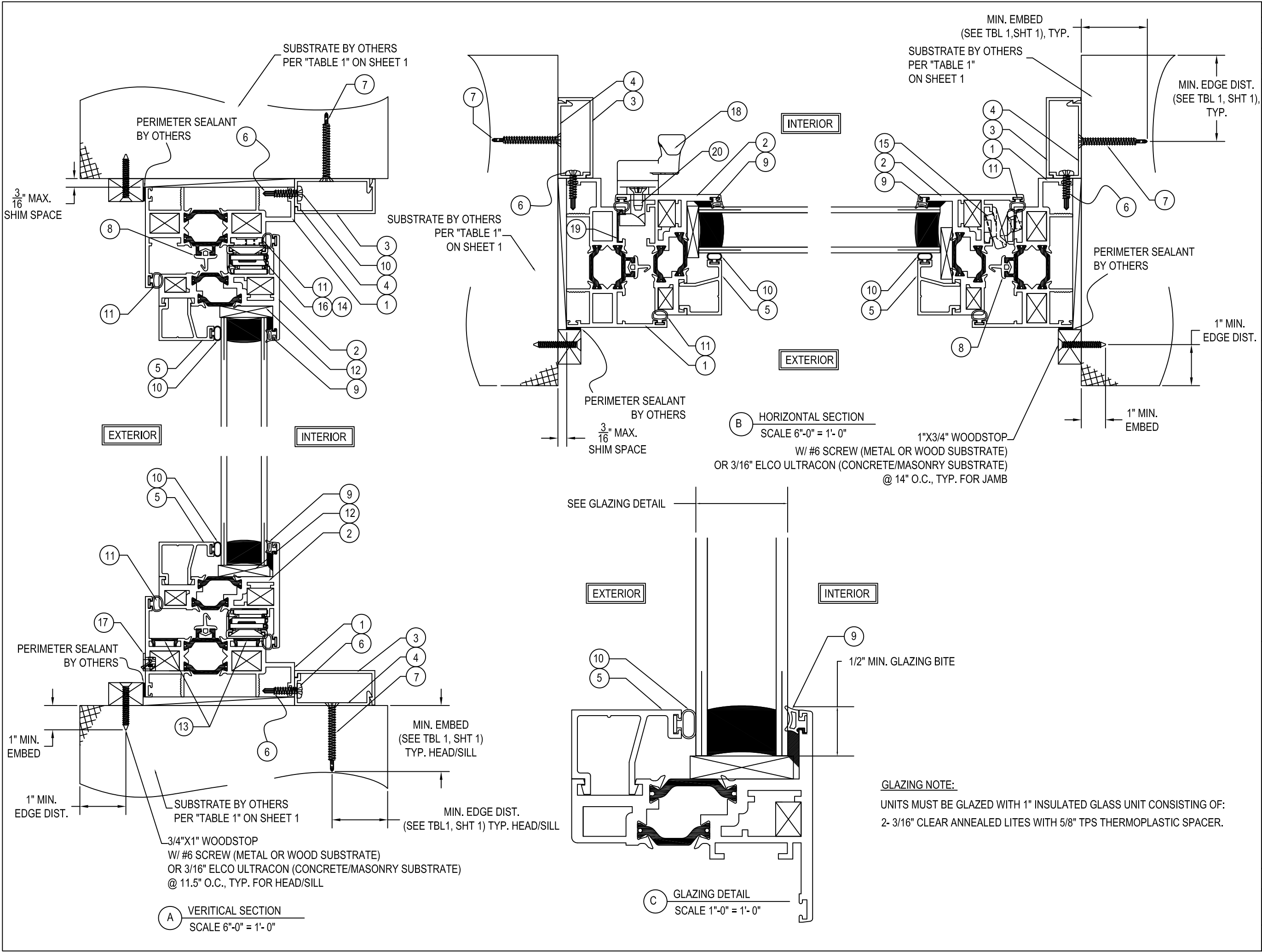
INSTALL ONE ANCHOR PER LOCATION INDICATED IN ELEVATION VIEW

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.

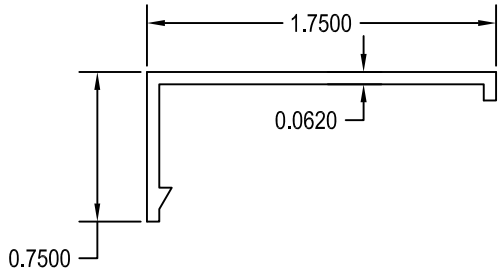
| REV.                                                                                                                                                                                                                                                                                                                                     | DATE    | DESCRIPTION                                             | BY |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------------------------------------------|----|
|                                                                                                                                                                                                                                                                                                                                          |         |                                                         |    |
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| E.C. NO.                                                                                                                                                                                                                                                                                                                                 | xxxx-xx | XX/XX/XX                                                |    |
| <div><p>8/17/2023</p><p>LUCAS A. TURNER, FL P.E. #58201<br/>TURNER ENGINEERING &amp; CONSULTING, INC.<br/>2428 OLD NATCHEZ TRACE TRAIL<br/>CAMDEN, TN 38320<br/>PH. 941-380-1574</p><p>Lucas Turner<br/>2023.08.17<br/>21:05:48<br/>-05'00'</p></div> |         |                                                         |    |
| <div><p>71 PROGRESS AVENUE<br/>CRANBURY TOWNSHIP, PA 16066<br/>PHONE (724) 776-7000<br/>FAX (724) 776-7114</p></div>                                                                                                                                |         | <p>NX-3200 - INSWING CASEMENT WINDOW<br/>NON-IMPACT</p> |    |
| DRAWN BY<br>YSE                                                                                                                                                                                                                                                                                                                          |         | DATE<br>05/15/12                                        |    |
| DRWG. NO.<br>I-NX3200-001                                                                                                                                                                                                                                                                                                                |         |                                                         |    |
| SHEET<br>1 OF 03                                                                                                                                                                                                                                                                                                                         |         | I-NX3200-001                                            |    |



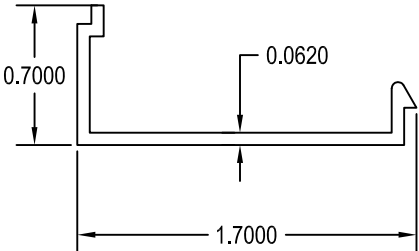
| REV.                                                                                                                                                                                                                                                                                                                                                   | DATE | DESCRIPTION      | BY       |
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|                                                                                                                                                                                                                                                                                                                                                        |      |                  |          |
| E.C. NO.                                                                                                                                                                                                                                                                                                                                               |      | XXXX-XX          | XX/XX/XX |
| <div><div><div><div><div><div><span></span></div><div>LUCAS A. TURNER</div></div><div><div><span></span></div><div>LICENSE</div></div><div><div><span></span></div><div>No. 58201</div></div><div><div><span></span></div><div>STATE OF FLORIDA</div></div><div><div><span></span></div><div>PROFESSIONAL ENGINEER</div></div></div></div></div></div> |      |                  |          |
| 8/17/2023                                                                                                                                                                                                                                                                                                                                              |      |                  |          |
| LUCAS A. TURNER, FL P.E. #58201<br>TURNER ENGINEERING &<br>CONSULTING, INC.<br>2428 OLD NATCHEZ TRACE TRAIL<br>CAMDEN, TN 38320<br>PH. 941-380-1574                                                                                                                                                                                                    |      |                  |          |
| <div><div><div><div><div><div><span></span></div><div>TRACO</div><div>A DIVISION OF KAWNEER</div></div><div><div><div>71 PROGRESS AVENUE<br/>CRANBERRY TOWNSHIP, PA 16066<br/>PHONE (724) 776-7000<br/>FAX (724) 776-7114</div></div><div><div>NX-3200 - INSWING CASEMENT WINDOW<br/>NON-IMPACT</div></div></div></div></div></div></div>              |      |                  |          |
| DRAWN BY<br>YSE                                                                                                                                                                                                                                                                                                                                        |      | DATE<br>05/15/12 |          |
| DRWG. NO.<br>I-NX3200-002                                                                                                                                                                                                                                                                                                                              |      |                  |          |
| SHEET<br>2 OF 03                                                                                                                                                                                                                                                                                                                                       |      | I-NX3200-001     |          |

MATERIAL PARTS LIST

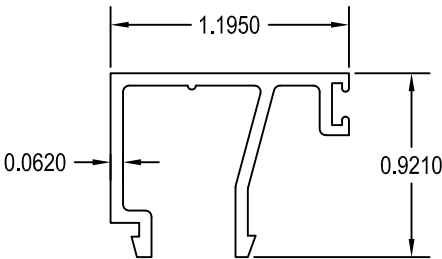
| ITEM#                            | PART #     | DESCRIPTION                                      | MATERIAL                                        |
|----------------------------------|------------|--------------------------------------------------|-------------------------------------------------|
| EXTRUSIONS                       |            |                                                  |                                                 |
| 1                                | IF-1107    | PROJECT IN MASTER FRAME                          | 6063-T6 ALUMINUM                                |
| 2                                | IF-1109    | PROJECT IN VENT RAIL                             | 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 AND MISC. PARTS |            |                                                  |                                                 |
| 6                                | 15-0111    | #8-18 X 3/4" PPH "TEK" SS                        | 410 STAINLESS STEEL                             |
| 7                                | -          | ANCHOR ( SEE TABLE 1 ON SHEET 1)                 | -                                               |
| 8                                | 20-4250    | NX-3000 CENTER GASKET                            | SANTOPRENE                                      |
| 9                                | 20-4246    | SILICONE GLAZING GASKET                          | SILICONE                                        |
| 10                               | 20-7051    | 0.187 X 0.375 FOAM FILLED BULB                   | FOAM FILLED BULB                                |
| 11                               | 20-4258    | FRAME / VENT GASKET                              | 60 SHORE - D - PVC<br>60 DUROMETER BLACK ALCRYN |
| 12                               | 20-6079    | 1/4" X 1" X 4" SETTING BLOCK W/ ADHESIVE BACKING | SILICONE                                        |
| 13                               | 20-0730-16 | EURO GROOVE FILLER                               | PVC                                             |
| 14                               | 30-3689    | SHIM FOR 11" 4-BAR HINGE                         | 18-8 STAINLESS STEEL                            |
| 15                               | 30-3709    | SNUBBER KIT                                      | CAST ZINC                                       |
| 16                               | 30-3640    | 11" 4-BAR HINGE PROJECTED                        | 18-8 STAINLESS STEEL                            |
| 17                               | 30-3886    | WEEP COVER                                       | NYLON 69                                        |
| 18                               | 30-3663    | PROJECT IN CAM HANDLE - LEFT                     | WHITE BRONZE                                    |
| 19                               | 30-3680    | PROJECT IN KEEPER                                | STAINLESS STEEL                                 |
| 20                               | 15-0066    | #10-24 X 1/2" PFH "MS" 18-8 SS                   | 18-8 STAINLESS STEEL                            |



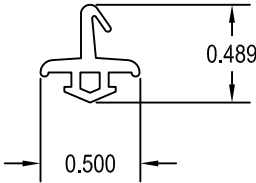
3 #30 TRIM  
SCALE 1:1



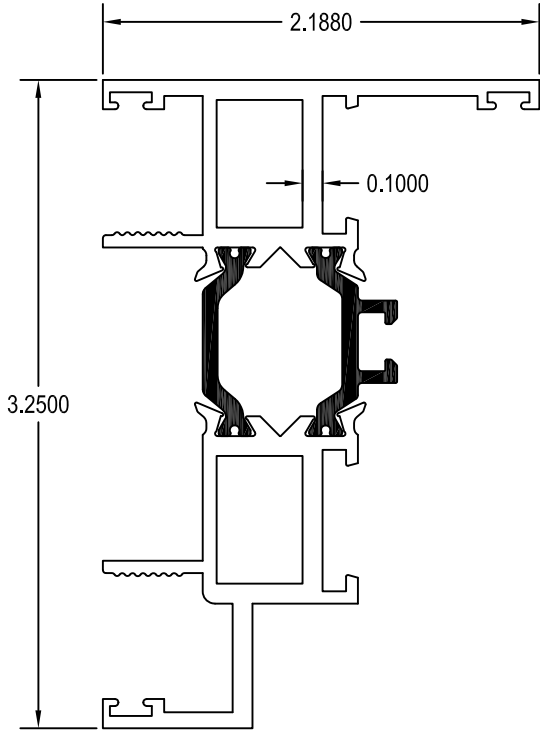
4 #30 CLIP  
SCALE 1:1



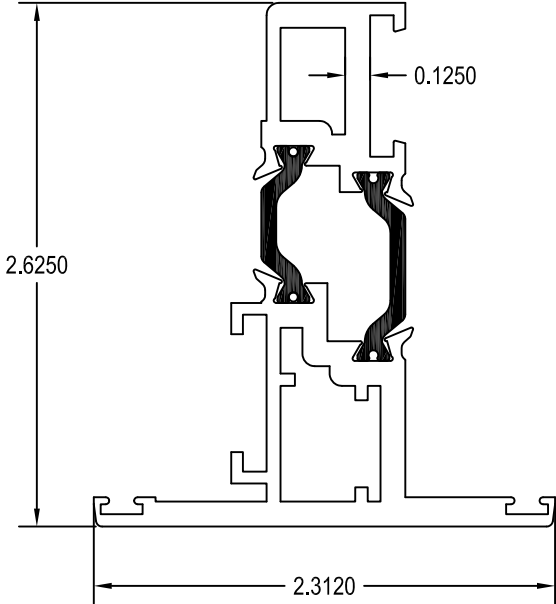
5 GLAZING BEAD - VENT  
SCALE 1:1



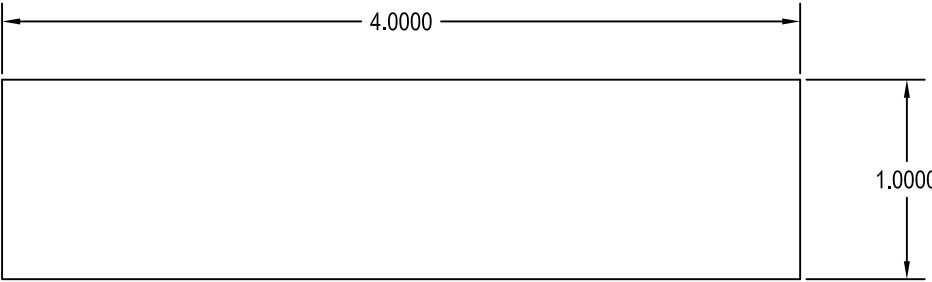
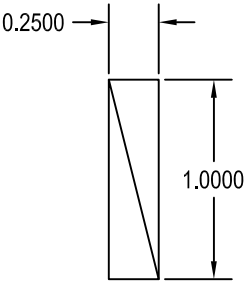
8 NX-3000 CENTER GASKET  
SCALE 1:1



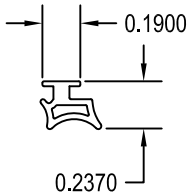
1 PROJECT IN MASTER FRAME  
SCALE 1:1



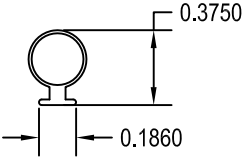
2 PROJECT IN VENT RAIL  
SCALE 1:1



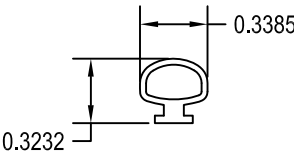
12 1/4" X 1" X 4" SETTING BLOCK W/ ADHESIVE BACKING  
SCALE 1:1



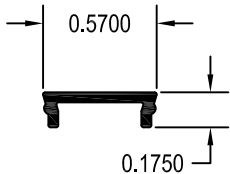
9 SILICONE GLAZING GASKET  
SCALE 1:1



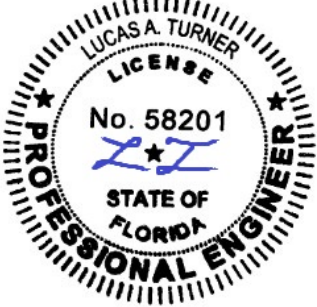
10 0.187 X 0.375 FOAM FILLED BULB  
SCALE 1:1



11 FRAME / VENT GASKET  
SCALE 1:1



13 EURO GROOVE FILLER  
SCALE 1:1

|                                                                                                                                                  |         |                                                                                                 |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------------------|----|
| REV.                                                                                                                                             | DATE    | DESCRIPTION                                                                                     | BY |
|                                                                                                                                                  |         |                                                                                                 |    |
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| E.C. NO.                                                                                                                                         | xxxx-xx | XX/XX/XX                                                                                        |    |
| <div></div>                                                   |         |                                                                                                 |    |
| 8/17/2023                                                                                                                                        |         |                                                                                                 |    |
| LUCAS A. TURNER, FL P.E. #58201<br>TURNER ENGINEERING & CONSULTING, INC.<br>2428 OLD NATCHEZ TRACE TRAIL<br>CAMDEN, TN 38320<br>PH. 941-380-1574 |         |                                                                                                 |    |
| <div></div>                                                 |         | 71 PROGRESS AVENUE<br>CRANBURY TOWNSHIP, PA 16066<br>PHONE (724) 776-7000<br>FAX (724) 776-7114 |    |
| DRAWN BY<br>YSE                                                                                                                                  |         | DATE<br>05/15/12                                                                                |    |
| DRWG. NO.<br>I-NX3200-003                                                                                                                        |         |                                                                                                 |    |
| SHEET<br>3 OF 03                                                                                                                                 |         | I-NX3200-001                                                                                    |    |
| NX-3100 - INSWING CASEMENT WINDOW<br>NON-IMPACT                                                                                                  |         | SCALE: NONE                                                                                     |    |