

# ANDERSEN CORPORATION

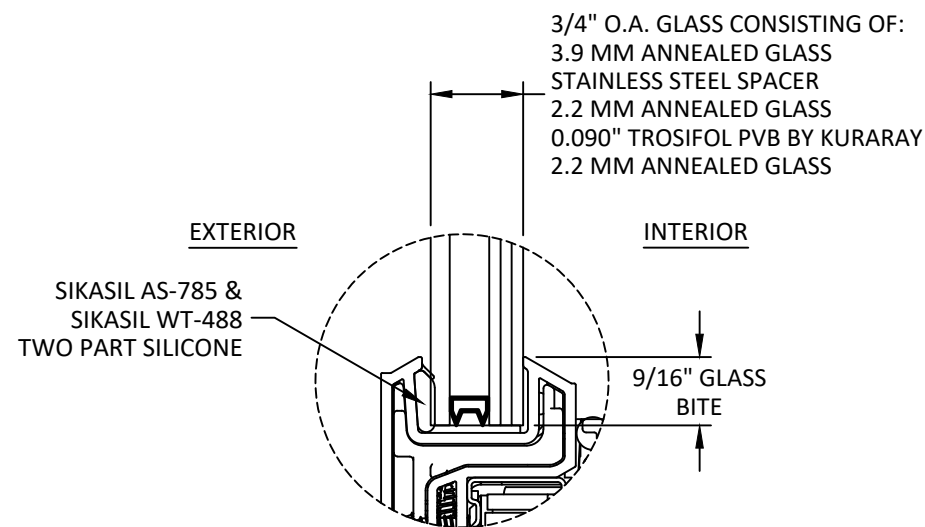
## RENEWAL BY ANDERSEN CASEMENT WINDOW (IMPACT)



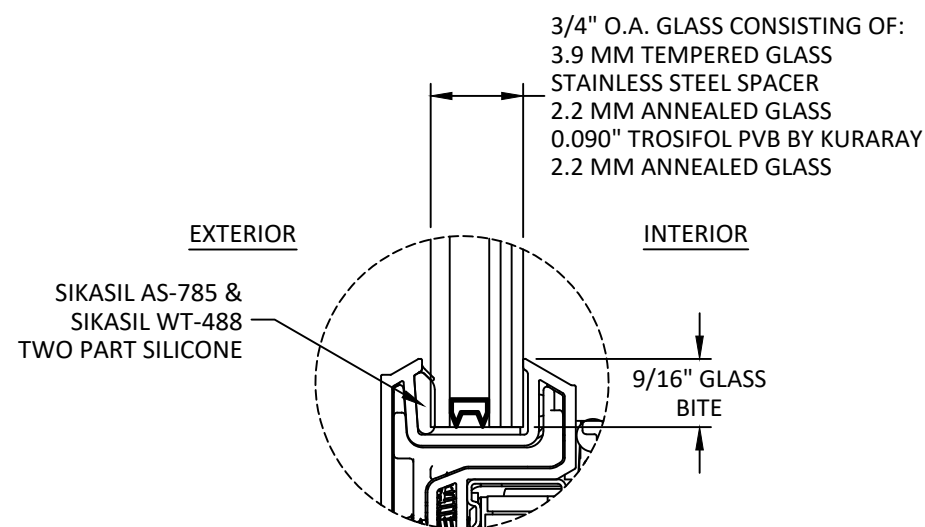
100 FOURTH AVE. NORTH  
BAYPORT, MN 55003-1096  
PH: (651) 264-5150 FX: (651) 264-5485

### GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE (IBC) AND 2018 INTERNATIONAL RESIDENTIAL CODE (IRC), AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
  - AAMA/WDMA/CSA 101/I.S.2/A440-11/17
  - ASTM E1886-13
  - ASTM E1996-17
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF  $\pm 1/4$  INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: FIBREX & PVC
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.
- CUSTOM SIZES AVAILABLE UPON REQUEST. CUSTOM DESIGN PRESSURE WILL BE ASSIGNED EQUAL TO NEXT LARGER STANDARD SIZE.



**GLAZING DETAIL 1**



**GLAZING DETAIL 2**

### GLAZING NOTES:

- GLASS TYPE & THICKNESS COMPLIES WITH ASTM E1300 REQUIREMENTS. PER THE 2018 IBC TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
- SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN IBC CHAPTER 24.
- SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER IBC CHAPTER 24.
- D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN SHOWN HEREIN.

3/4" O.A. GLASS CONSISTING OF:  
3.9 MM ANNEALED GLASS  
STAINLESS STEEL SPACER  
2.2 MM ANNEALED GLASS  
0.090" TROSIFOL PVB BY KURARAY  
2.2 MM ANNEALED GLASS

| TABLE OF CONTENTS |   |
|-------------------|---|
| SHEET             | SHEET DESCRIPTION                           |
| 1                 | GENERAL NOTES AND GLAZING DETAILS           |
| 2                 | ELEVATION, ANCHOR LAYOUTS, & ASSEMBLY NOTES |
| 3                 | VERTICAL SECTIONS                           |
| 4                 | HORIZONTAL SECTIONS                         |
| 5                 | ANCHOR DETAILS AND INSTALLATION NOTES       |

| DESIGN PRESSURE RATING (PSF) |             |              |       |       |                                |
|------------------------------|-------------|--------------|-------|-------|--------------------------------|
| CONFIGURATION                | WIDTH (IN.) | HEIGHT (IN.) | POS.  | NEG.  | MISSILE IMPACT RATING          |
| X                            | 40.00       | 72.00        | 60.00 | 70.00 | LARGE AND SMALL MISSILE IMPACT |
| X                            | 32.00       | 80.00        |       |       |                                |
| X                            | 40.00       | 44.00        |       |       |                                |
| X                            | 40.00       | 40.00        |       |       |                                |
| X                            | 40.00       | 28.00        |       |       |                                |

TITLE: ANDERSEN CORPORATION  
RENEWAL BY ANDERSEN  
CASEMENT WINDOW  
(IMPACT)  
GENERAL NOTES &  
GLAZING DETAILS

PREPARED BY: BUILDING DROPS, INC.  
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| REMARKS       | BY | DATE   |
|---------------|----|--------|
| GLASS UPDATES | SH | 1.4.23 |
|               |    |        |
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TEXAS P.E. No. 118471  
BUILDING DROPS, INC  
398 E. DANIA BEACH BLVD. # 338  
DANIA BEACH, FL 33004  
TBPE FIRM No. 13734

DATE: 10.13.2022

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CHK. BY: HFN

SCALE: NTS

DWG. #: AWD323

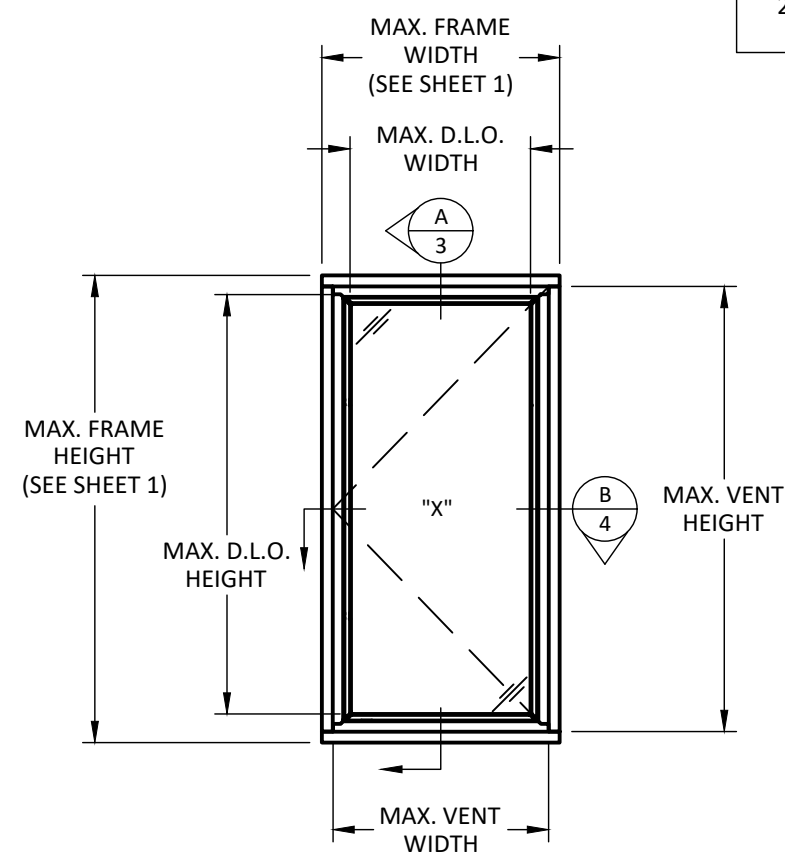
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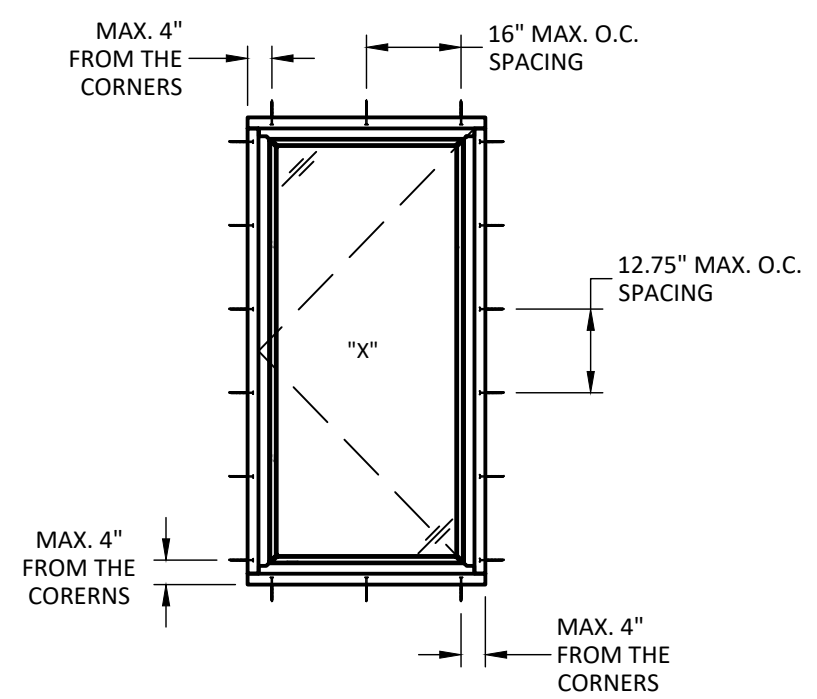
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NOTES:  
 1) UNITS MAY BE EITHER LH OR RH OUTSWING OPERABLE CASEMENT WINDOWS.  
 2) SEE HARDWARE SCHEDULE BELOW FOR HARDWARE OPTIONS AND QUANTITY.



**ELEVATION**

VENT HEIGHT = FRAME HEIGHT - 2.16"  
 VENT WIDTH = FRAME WIDTH - 2.16"  
 D.L.O. HEIGHT = FRAME HEIGHT - 6.5"  
 D.L.O. WIDTH = FRAME WIDTH - 6.5"



**ANCHOR LAYOUT THROUGH FRAME**

| SNUGGER SCHEDULE |          |
|------------------|----------|
| HEIGHT           | QUANTITY |
| 80" ≥ H ≥ 62"    | 4        |
| 62" > H ≥ 53"    | 3        |
| 53" > H ≥ 40"    | 2        |
| 40" > H ≥ 28"    | 1        |
| 28" > H ≥ 17"    | 0        |

| LOCK SCHEDULE |                 |
|---------------|-----------------|
| HEIGHT        | LOCK TYPE       |
| 80" ≥ H ≥ 74" | QUAD 64" LOCK   |
| 74" > H ≥ 69" | QUAD 58" LOCK   |
| 69" > H ≥ 62" | TRIPLE 51" LOCK |
| 62" > H ≥ 55" | TRIPLE 45" LOCK |
| 55" > H ≥ 49" | TRIPLE 38" LOCK |
| 49" > H ≥ 42" | TANDEM 32" LOCK |
| 42" > H ≥ 35" | TANDEM 25" LOCK |
| 35" > H ≥ 28" | TANDEM 18" LOCK |
| 28" > H ≥ 17" | SINGLE LOCK     |

| REINFORCEMENT SCHEDULE |                       |
|------------------------|-----------------------|
| WIDTH                  | QUANTITY              |
| W > 32"                | TOP RAIL STIFFENER    |
| 32" ≥ W                | NONE                  |
| HEIGHT                 | QUANTITY              |
| H ≥ 44"                | HINGE STILE STIFFENER |
| 44" > H                | NONE                  |



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 ELEVATION, ANCHOR LAYOUTS, &  
 HARDWARE SCHEDULE

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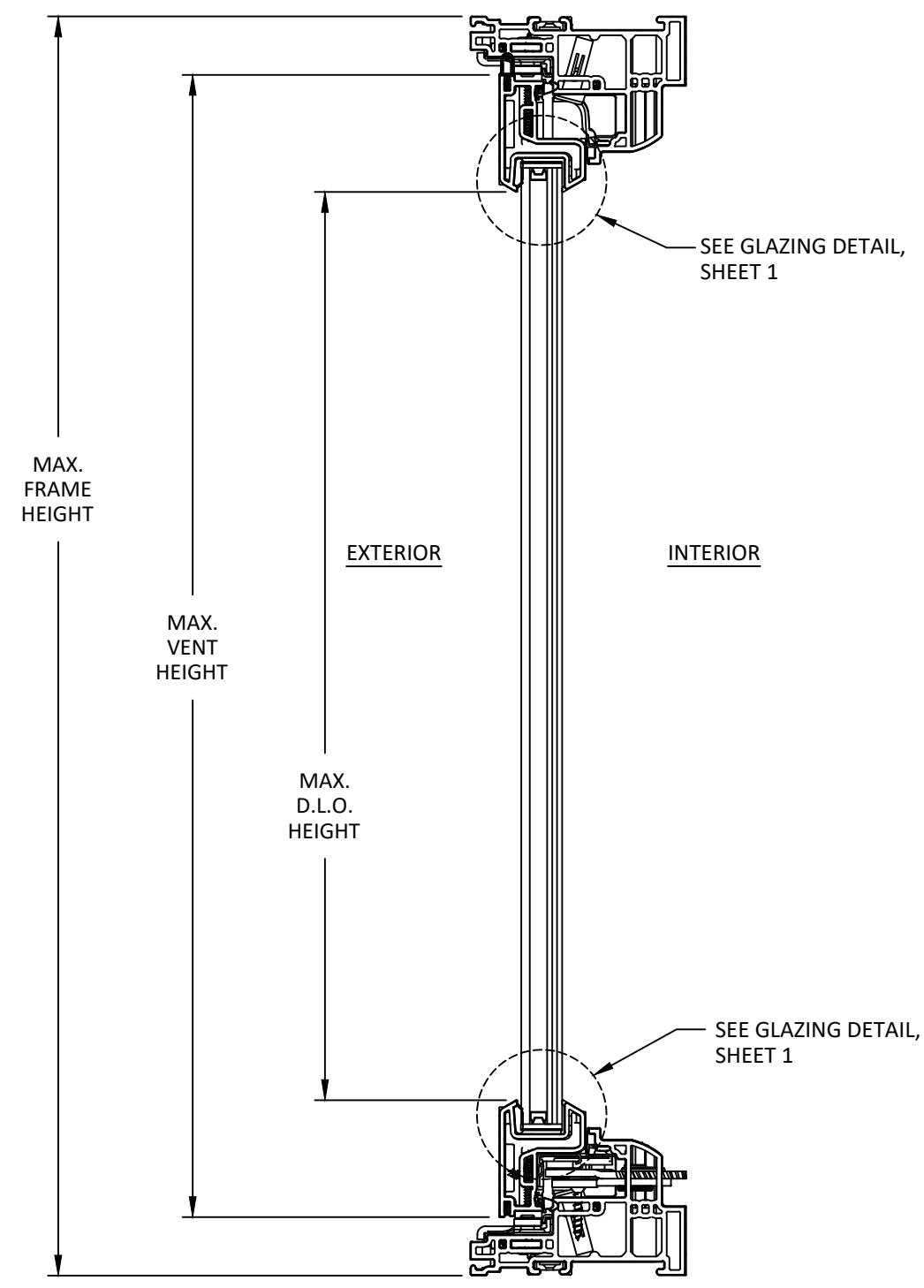
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 OF 5

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**A**  
**3** VERTICAL SECTION



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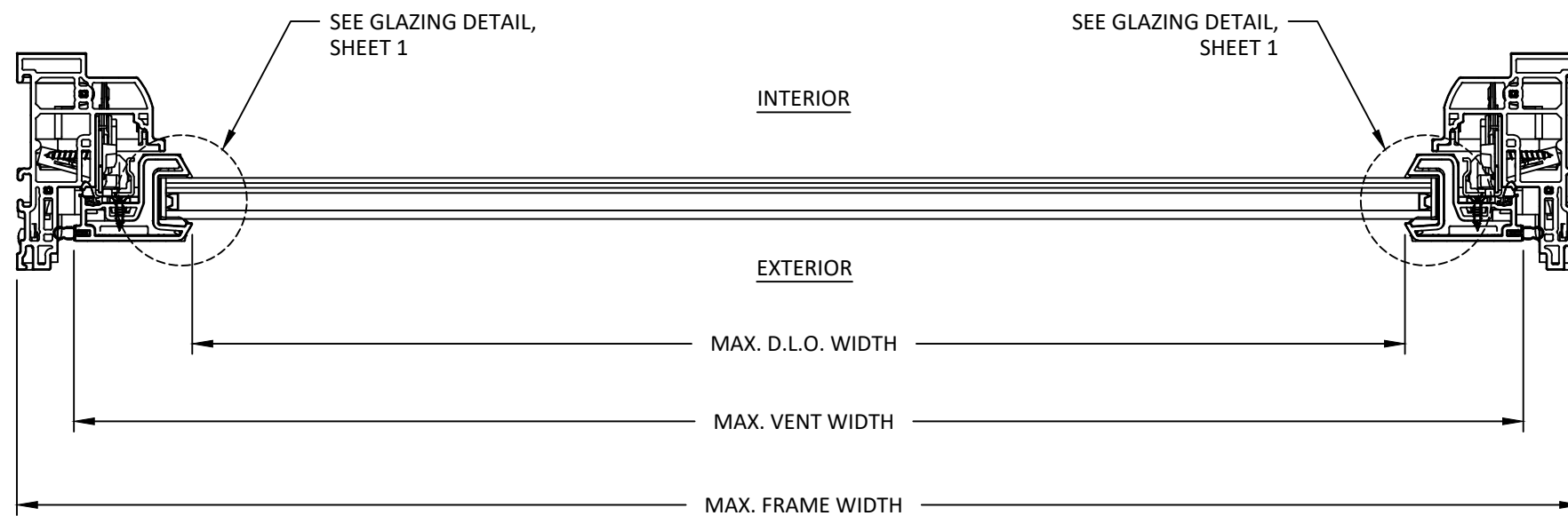
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**B**  
**4** HORIZONTAL SECTION



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HORIZONTAL SECTIONS

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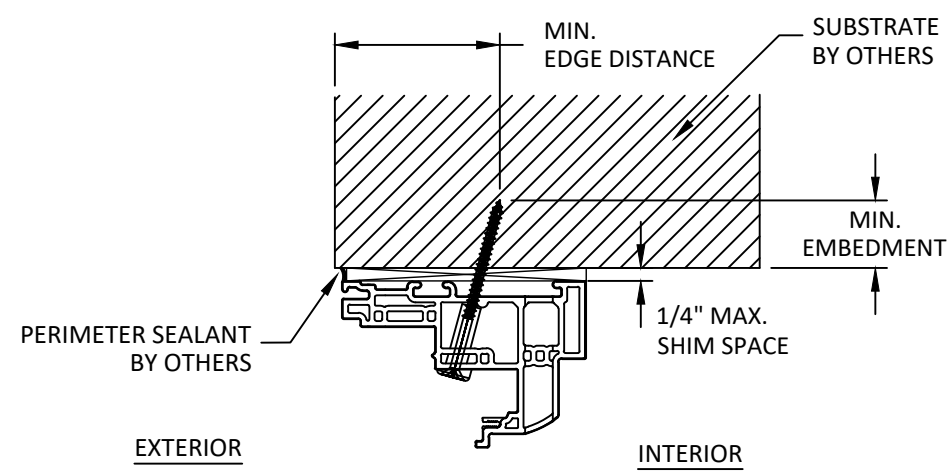
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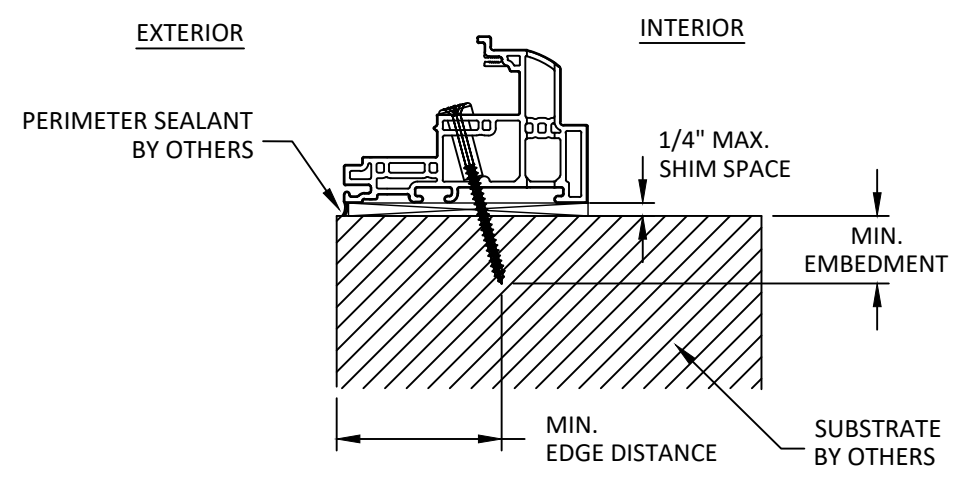
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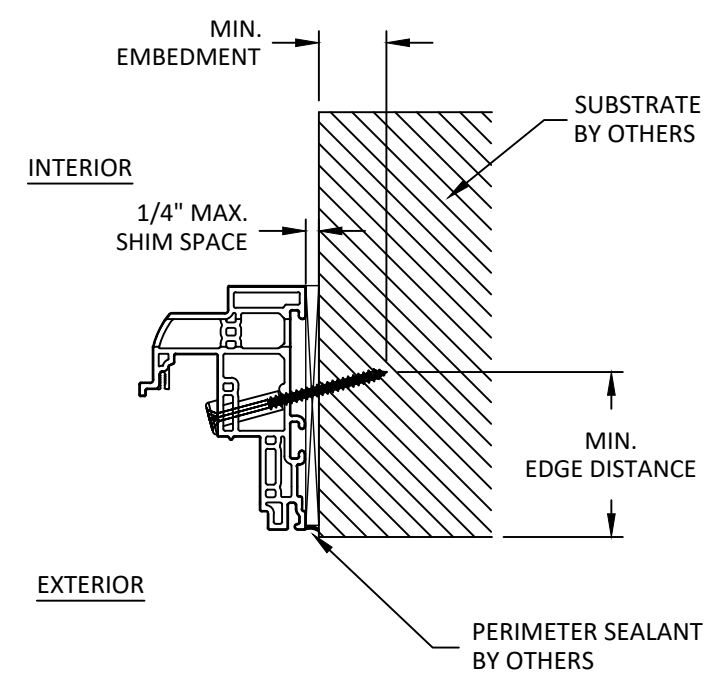
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**A**  
**5** VERTICAL SECTION  
HEAD - THROUGH FRAME



**B**  
**5** VERTICAL SECTION  
SILL - THROUGH FRAME



**C**  
**5** HORIZONTAL SECTION  
JAMB - THROUGH FRAME

**INSTALLATION NOTES:**

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1.000 INCH THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- FOR MASONRY OR CONCRETE OPENINGS, A 1X WOOD BUCK MAY BE USED (OPTIONAL) AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE STILL MET WITHIN THE CORRESPONDING HOST SUBSTRATE. SEE GENERAL NOTE #3 ON SHEET 1 FOR MORE INFORMATION.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.

| ANCHOR SCHEDULE            |  |                         |  |                    |             |
|----------------------------|--|-------------------------|--|--------------------|-------------|
| METHOD                     | SUBSTRATE  | ANCHOR SCHEDULE         | MIN EMBEDMENT                              | MIN. EDGE DISTANCE | SPACING     |
| THROUGH FRAME INSTALLATION | WOOD: MIN. SG = 0.42   | #10 WOOD SCREW          | 1.50"                                      | 0.75"              | SEE SHEET 2 |
|                            | METAL: 18 GAUGE Steel, MIN. Fy = 33KSI<br>ALUMINUM: 1/8" MIN., 6063-T5 | #10 SELF-DRILLING SCREW | 3 THREADS MIN PENETRATION BEYOND STRUCTURE | 0.50"              |             |
|                            | CONCRETE: fc=3000PSI   | 3/16" ITW TAPCON        | 1.25"                                      | 2.00"              |             |
|                            | MASONRY: CMU per ASTM C90 MIN. 2000 PSI                                | 3/16" ITW TAPCON        | 1.00"                                      | 2.00"              |             |

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