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**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 ±1/2 INCH BASED ON QUANTITIES IN DP CHARTS NOT TO EXCEED 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.
- THROUGH FRAME:** FOR INSTALLATION INTO WOOD FRAMING USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2" MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- THROUGH FRAME:** FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 1/4" DIAMETER ITW TAPCONS, ELCO ULTRACONS, ELCO CRETE-FLEX OR HILTI KWIK-CON II OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4" MINIMUM EMBEDMENT.
- THROUGH FRAME:** FOR INSTALLATION INTO METAL STUD OR APPROVED MULLION USE #10 GR. 5 SELF TAPPING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL FRAME SUBSTRATE.
- CLIPS SHALL BE FASTENED TO THE WINDOW FRAME WITH (2) #8 X 5/8" SCREWS. CLIPS ARE 20 GAUGE (0.063" THICKNESS) F<sub>y</sub>=33 KSI MIN STEEL WITH OVERALL DIMENSIONS OF 1.5" WIDE, 7.813" ALONG THE LONG LEG, AND 1.942" ALONG THE SHORT LEG.
- CLIP ANCHOR:** FOR INSTALLATION INTO METAL STUD USE (2) #8 GR. 5 SELF-TAPPING SCREWS PER CLIP OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND THE METAL STRUCTURE.
- CLIP ANCHOR:** FOR INSTALLATION INTO WOOD FRAMING USE (2) #8 WOOD SCREWS PER CLIP OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- NAIL FIN:** FOR INSTALLATION INTO WOOD FRAMING USE #8 WOOD SCREWS OR USE 10D COMMON NAIL OR 11 GAUGE ROOFING NAIL PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- NAIL FIN:** FOR INSTALLATION INTO METAL STUD OR APPROVED MULLION USE #8 GR. 5 SELF TAPPING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL FRAME SUBSTRATE.
- 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 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.

# WINDSOR WINDOWS & DOORS

## PINNACLE CLAD SELECT AWNING WINDOW (NON-HVHZ)(NON-IMPACT)

**INSTALLATION NOTES (CONTINUED):**

- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
  - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
  - CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
  - GROUT-FILLED CMU- UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.
  - STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM 18 GA. WALL THICKNESS.
  - ALUMINUM - MINIMUM ALLOY 6063-T5. MINIMUM WALL THICKNESS OF 1/8" (0.125").

**GENERAL NOTES:**

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), EXCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
  - AAMA/WDMA/CSA 101/I.S.2/A440-11/17
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X 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.
- 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 IN NON-HVHZ AREAS.
- APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED ON THIS PRODUCT.
- WINDOW FRAME MATERIAL: WOOD  
WINDOW CLADDING MATERIAL: ALUMINUM 6063-T5
- GLASS SHALL MEET THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 2 FOR GLAZING DETAILS.

| TABLE OF CONTENTS |  |
|-------------------|--|
| SHEET             | SHEET DESCRIPTION                            |
| 1                 | INSTALLATION & GENERAL NOTES                 |
| 2                 | ELEVATIONS, ANCHOR LAYOUTS & GLAZING DETAILS |
| 3                 | NAIL FIN INSTALLATION SECTIONS               |
| 4                 | THROUGH FRAME & CLIP INSTALLATION SECTIONS   |
| 5                 | CLIP INSTALLATION SECTIONS                   |

| DESIGN PRESSURE TABLE |        |                  |                 |               |                                 |                       |
|-----------------------|--------|------------------|-----------------|---------------|---------------------------------|-----------------------|
| TYP. OVERALL SIZE     |        | PRODUCT TYPE     | DESIGN PRESSURE | CONFIGURATION | INSTALLATION METHOD             | MISSILE IMPACT RATING |
| WIDTH                 | HEIGHT |                  |                 |               |                                 |                       |
| 60"                   | 60"    | CRANK-OUT WINDOW | +50/-50 PSF     | "X"           | CLIP, THROUGH FRAME OR NAIL FIN | NON - IMPACT          |
| 60"                   | 60"    | PUSH-OUT WINDOW  | +40/-40 PSF     | "X"           | CLIP, THROUGH FRAME OR NAIL FIN | NON - IMPACT          |
| 48"                   | 36"    | PUSH-OUT WINDOW  | +70/-70 PSF     | "X"           | CLIP, THROUGH FRAME OR NAIL FIN | NON - IMPACT          |



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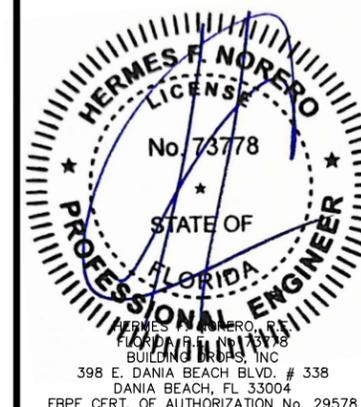
TITLE: PINNACLE CLAD SELECT AWNING (NON-HVHZ)(NON-IMPACT) INSTALLATION AND GENERAL NOTES

PREPARED BY: BUILDING DROPS, INC.  
 398 E. DANIA BEACH BLVD., STE. 338  
 DANIA BEACH, FL 33004  
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 FAX: (954)744-4738  
 WEB: www.buildingdrops.com



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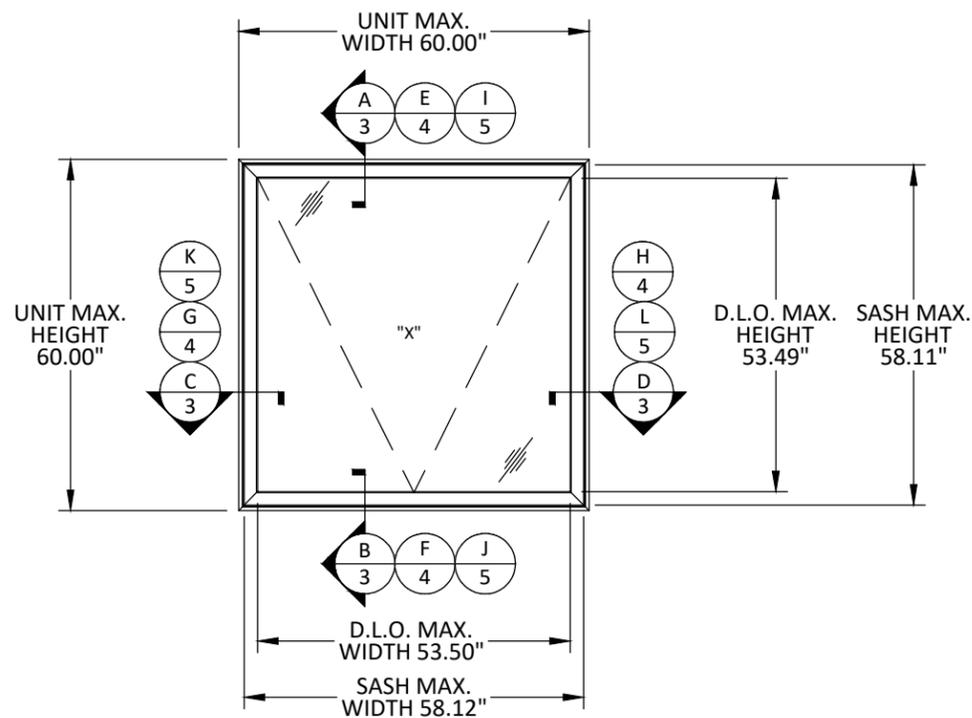
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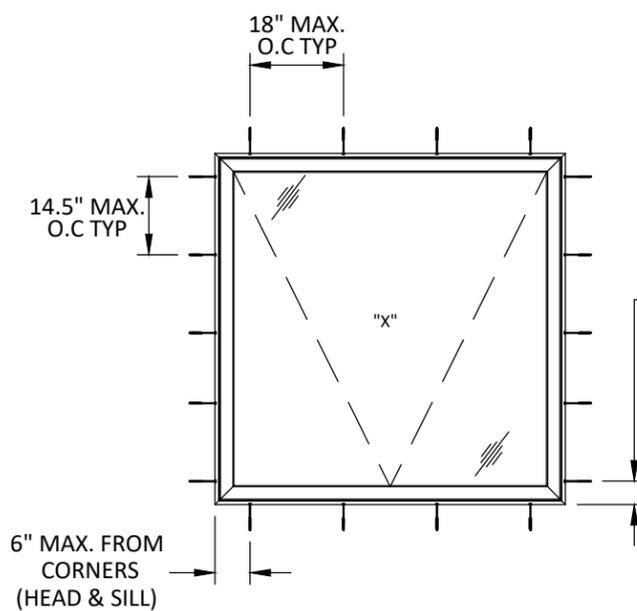
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SHEET: **1 OF 5**

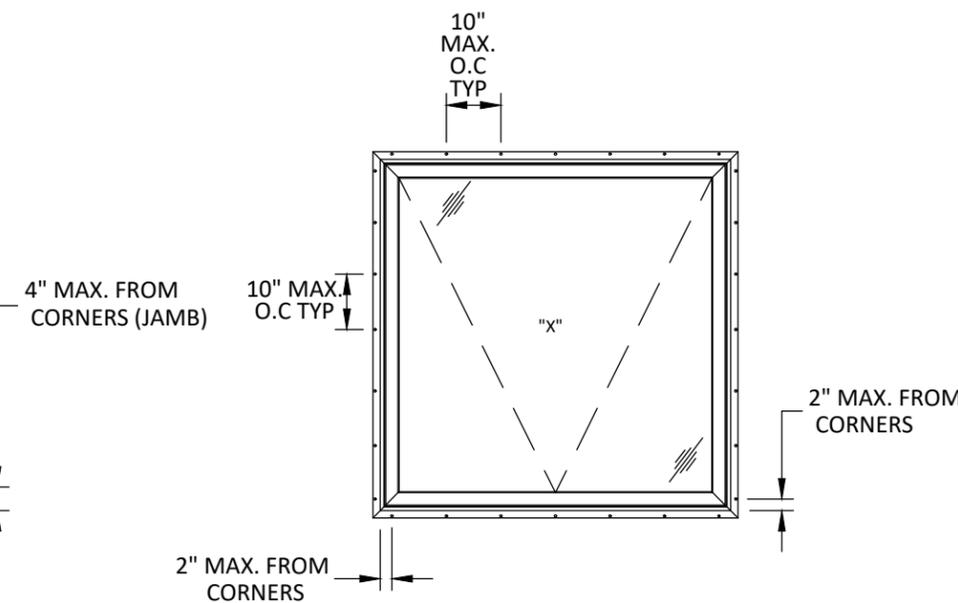
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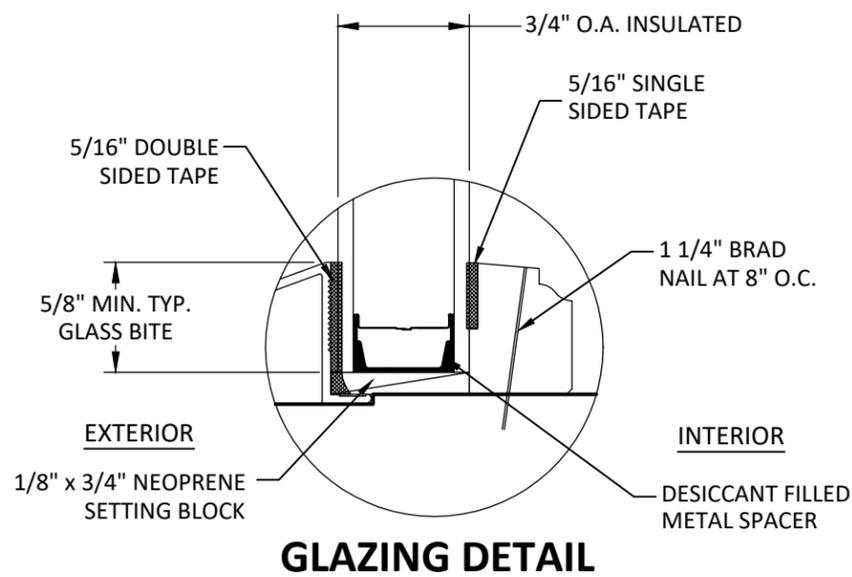
**TYPICAL ELEVATION**  
AWNING WINDOW



**ANCHOR LAYOUT**  
CLIP OR THROUGH FRAME INSTALLATION



**ANCHOR LAYOUT**  
NAIL FIN INSTALLATION



**GLAZING DETAIL**

**NOTES:**

- GLASS THICKNESS AND TYPE SHALL COMPLY WITH ASTM E 1300 REQUIREMENT GLASS CHARTS.
- \*FOR GLASS THICKNESS UP TO 3.9 mm, USE QUANEX FOAM SUPER SPACER IG SPACER, FOR GLASS THICKNESS OVER 3.9 mm USE CARDINAL ENDURE STAINLESS STEEL IG SPACER.
- INSTALLATIONS HIGHER THAN 30' ABOVE GRADE SHALL BE SAFETY GLAZED IN ACCORDANCE WITH FBC REQUIREMENTS.

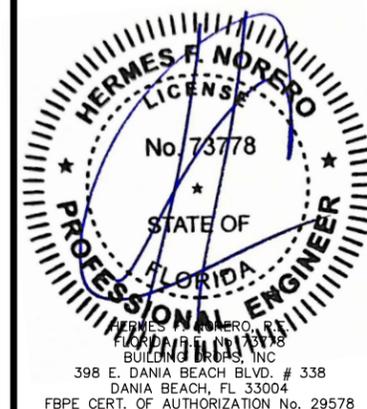
TITLE: PINNACLE CLAD  
SELECT AWNING  
(NON-HVHZ)(NON-IMPACT)  
ELEVATIONS, ANCHOR LAYOUTS &  
GLAZING DETAILS

PREPARED BY:  
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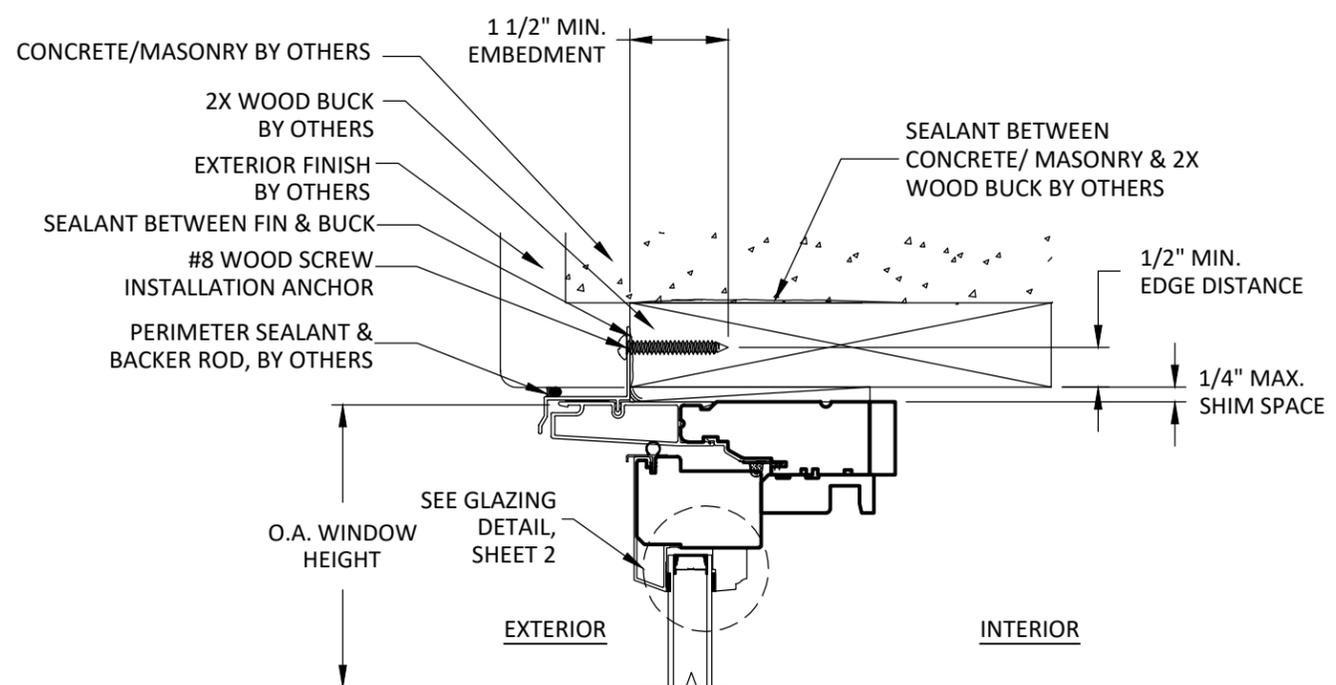
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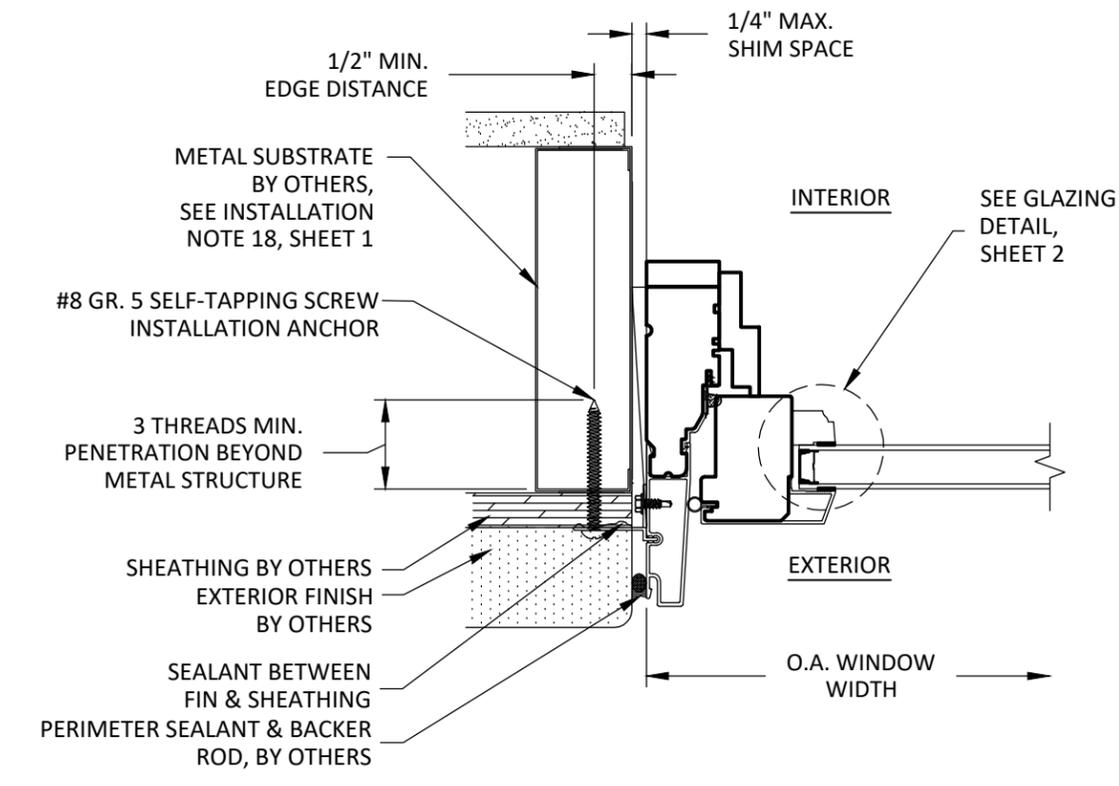


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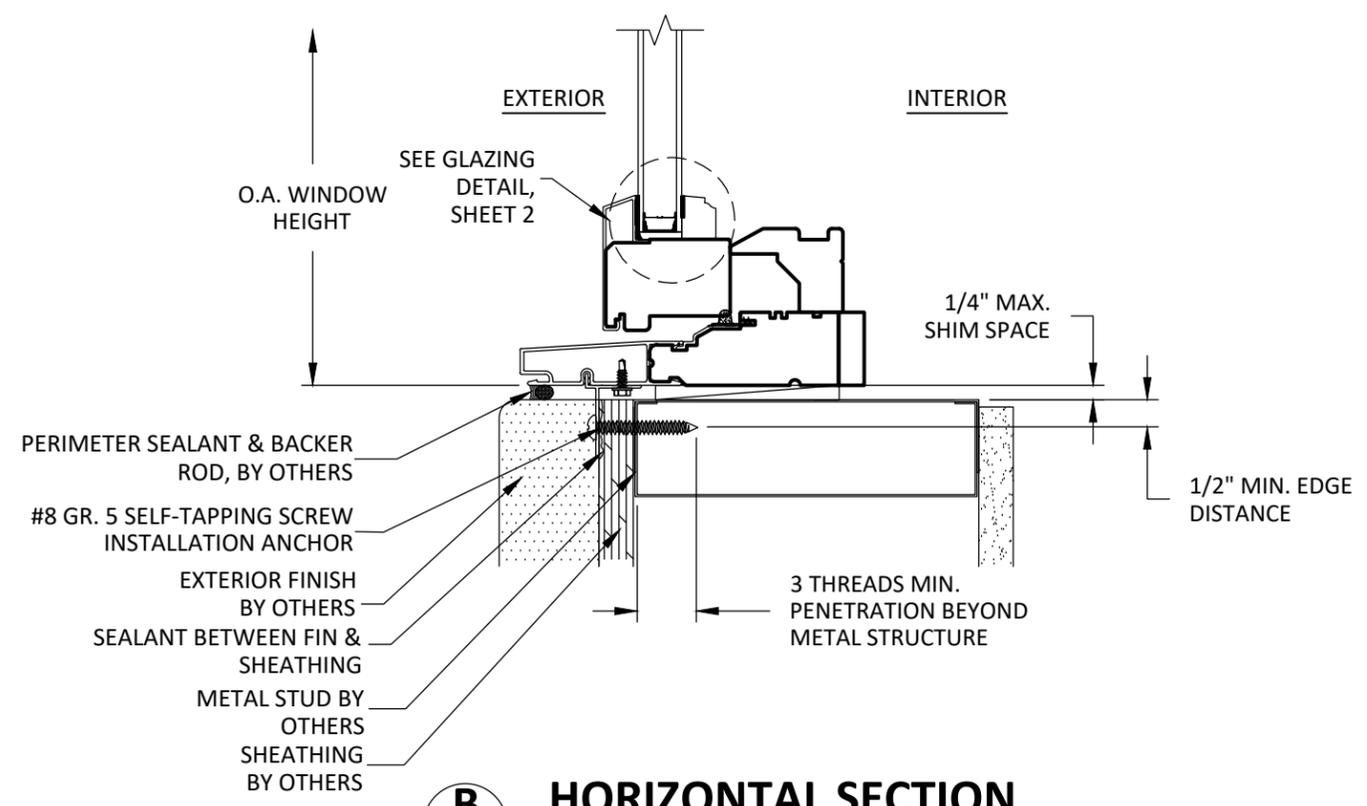
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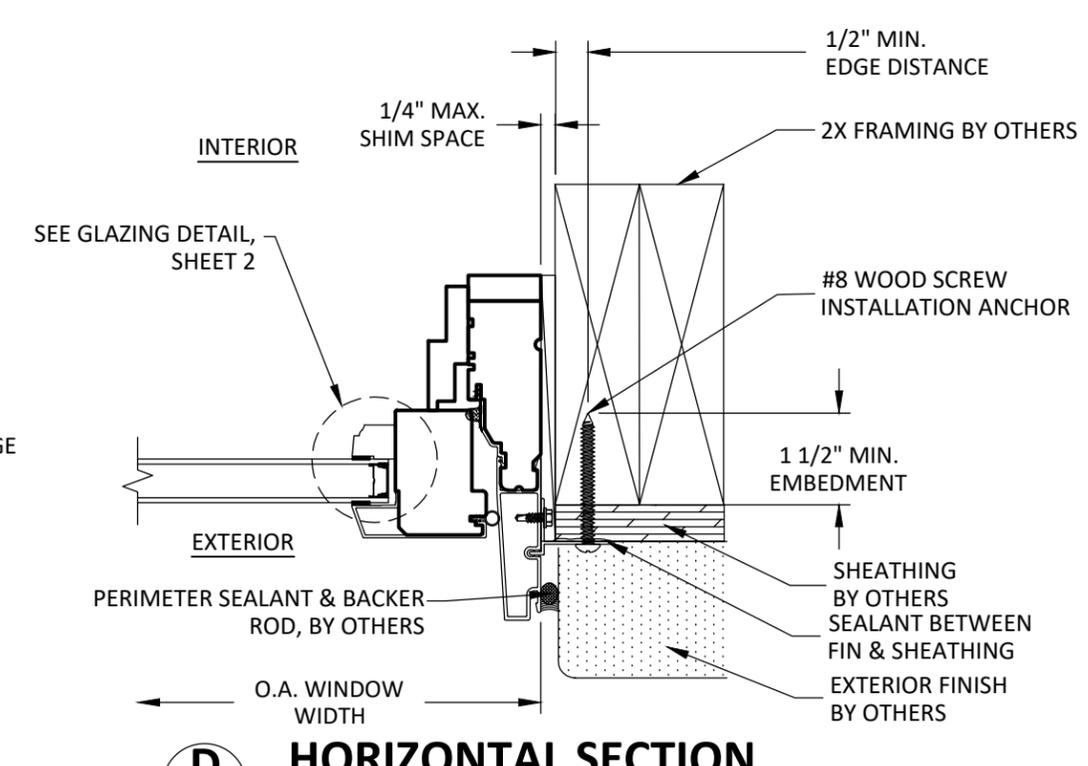
**A**  
**3**  
**VERTICAL SECTION**  
HEAD - 2X WOOD BUCK  
NAIL FIN INSTALLATION



**C**  
**3**  
**HORIZONTAL SECTION**  
JAMB - METAL FRAME  
NAIL FIN INSTALLATION



**B**  
**3**  
**HORIZONTAL SECTION**  
SILL - STEEL STUD FRAME  
NAIL FIN INSTALLATION



**D**  
**3**  
**HORIZONTAL SECTION**  
JAMB - 2X FRAMING  
NAIL FIN INSTALLATION

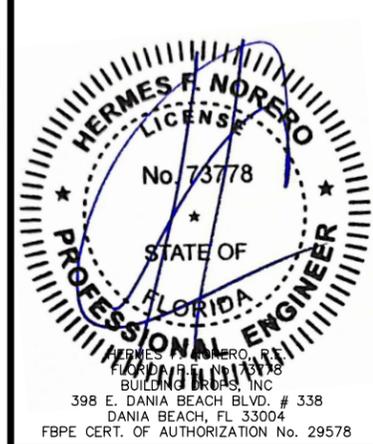


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TITLE: PINNACLE CLAD SELECT AWNING (NON-HVHZ)(NON-IMPACT) NAIL FIN INSTALLATION SECTIONS  
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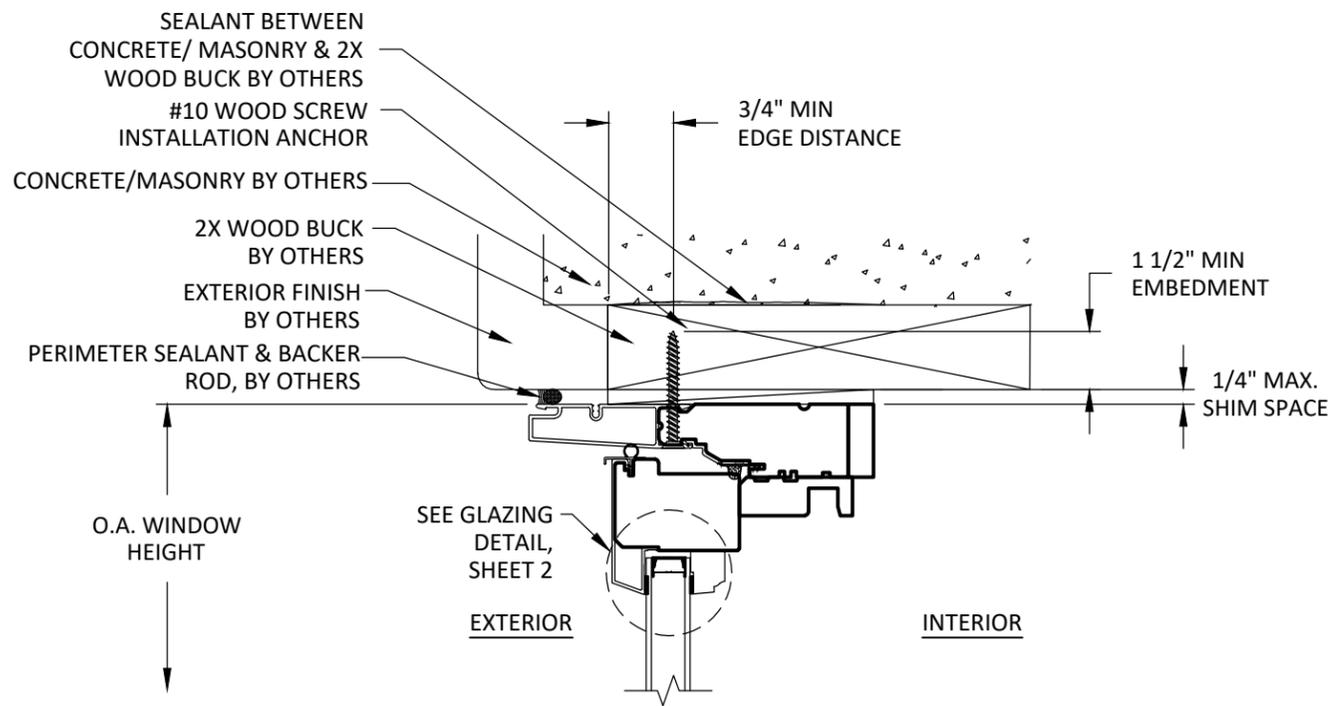
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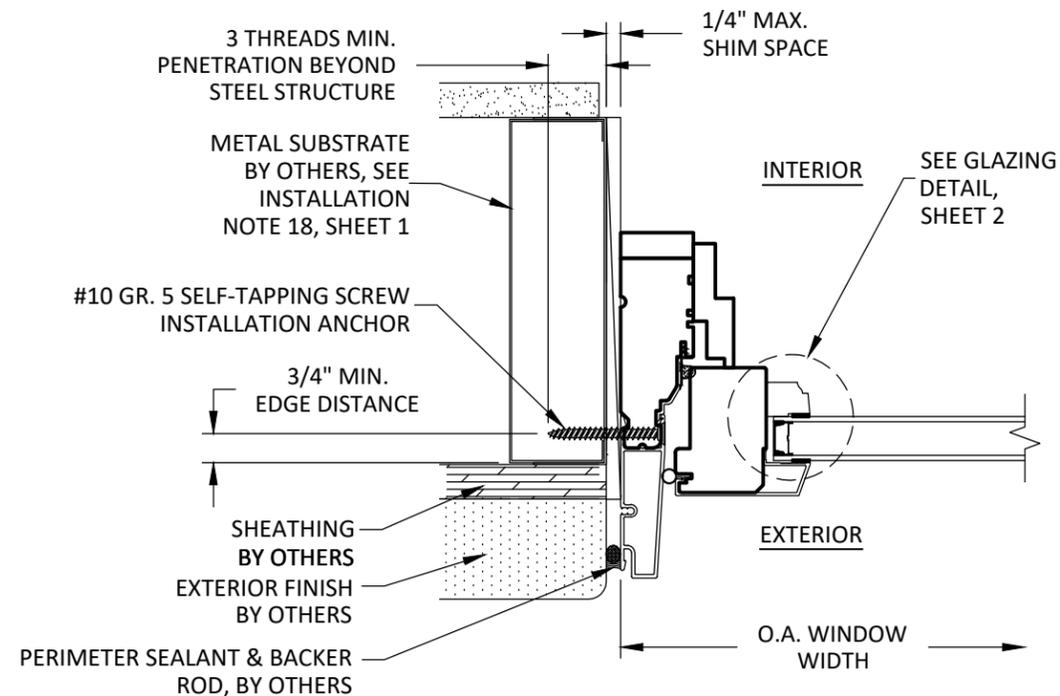
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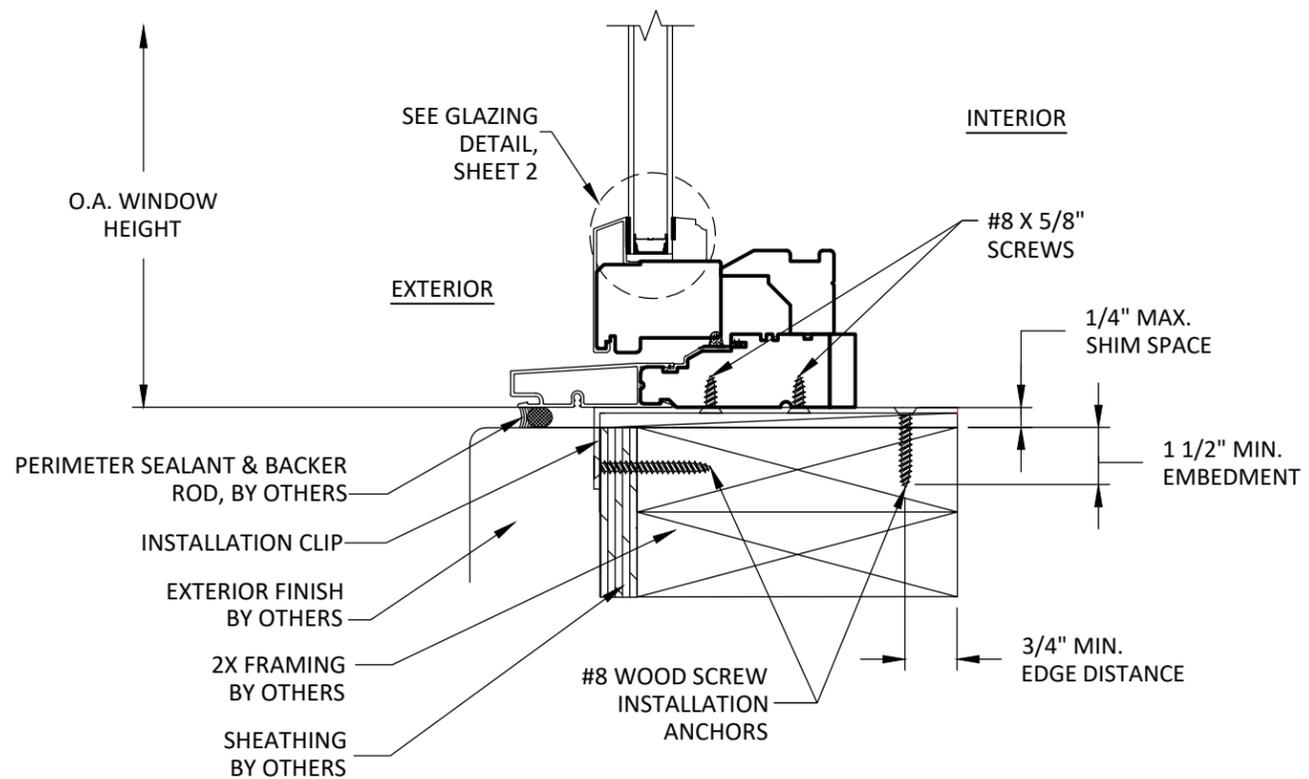
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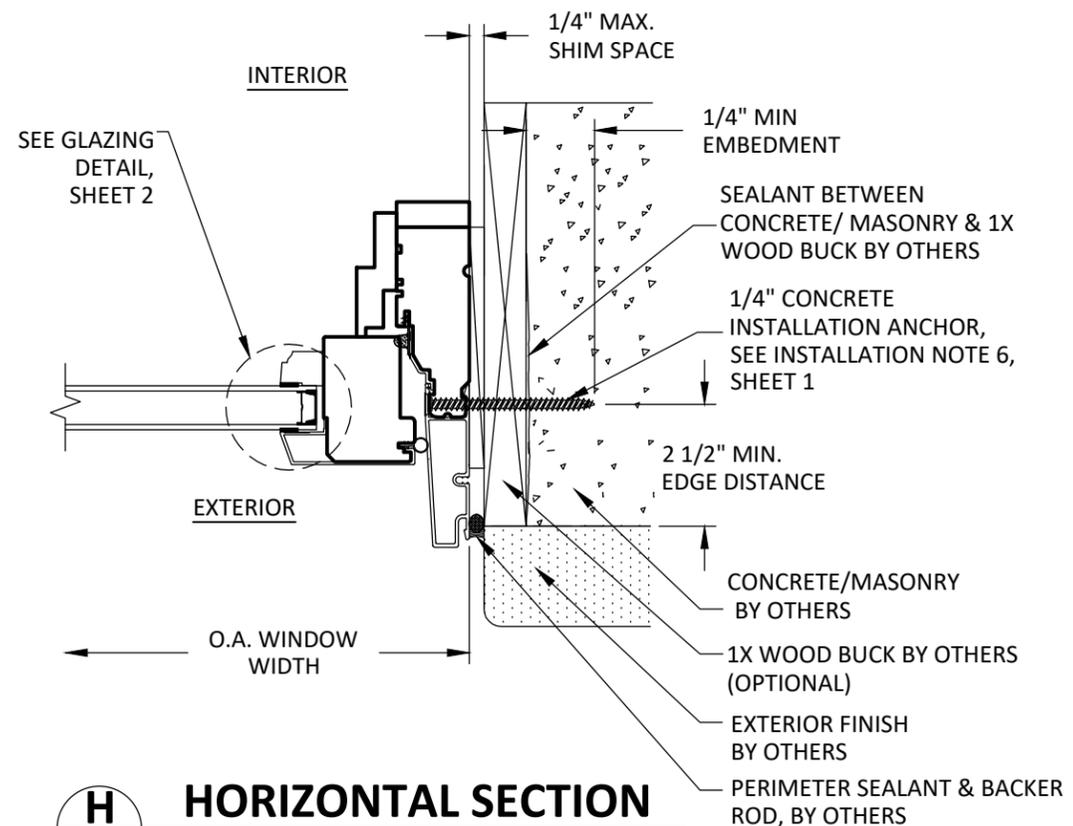
**E**  
**4** **VERTICAL SECTION**  
 HEAD - 2X WOOD BUCK  
 THROUGH FRAME INSTALLATION



**G**  
**4** **HORIZONTAL SECTION**  
 JAMB - METAL STUD FRAME  
 THROUGH FRAME INSTALLATION



**F**  
**4** **VERTICAL SECTION**  
 SILL - 2X FRAMING  
 CLIP INSTALLATION



**H**  
**4** **HORIZONTAL SECTION**  
 JAMB - 1X BUCK TO CONCRETE/MASONRY  
 THROUGH FRAME INSTALLATION

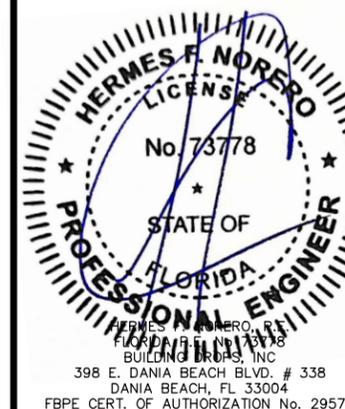


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TITLE: PINNACLE CLAD SELECT AWNING (NON-HVHZ)(NON-IMPACT) THROUGH FRAME & CLIP INSTALLATION SECTIONS  
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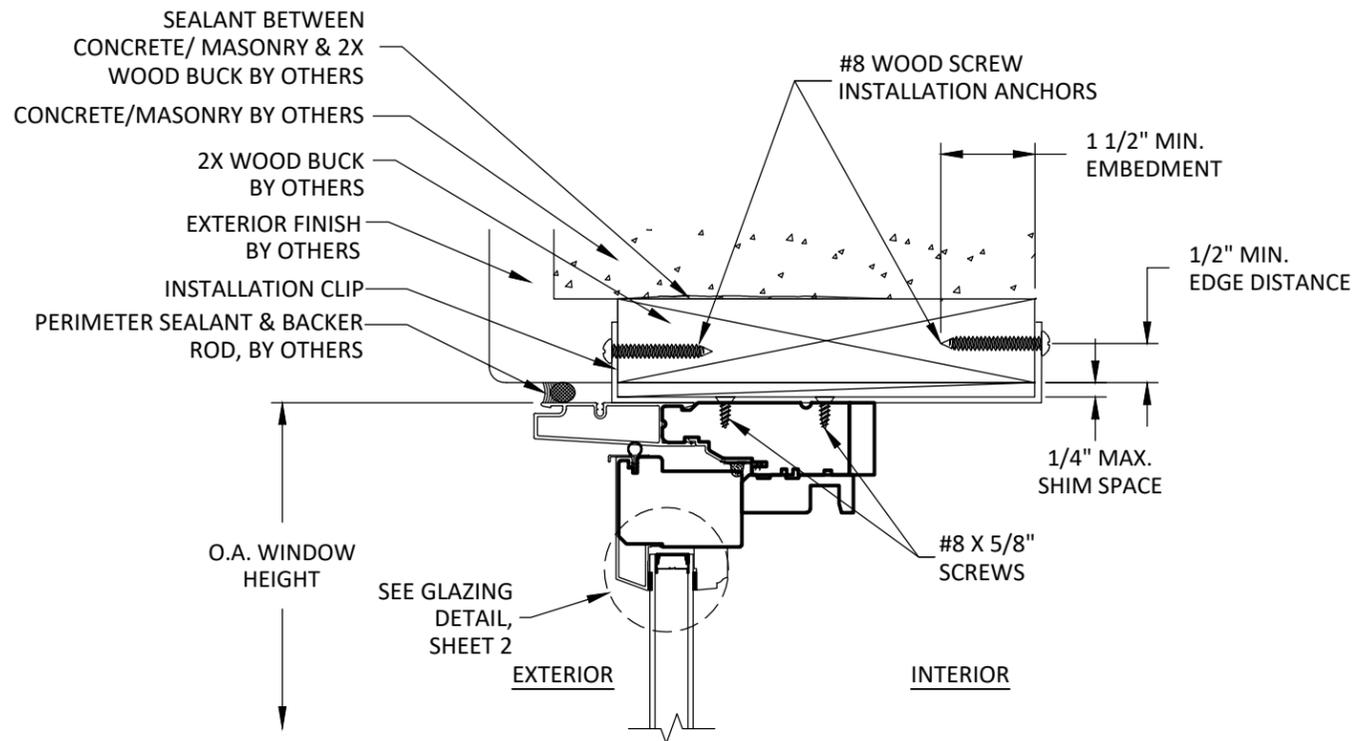
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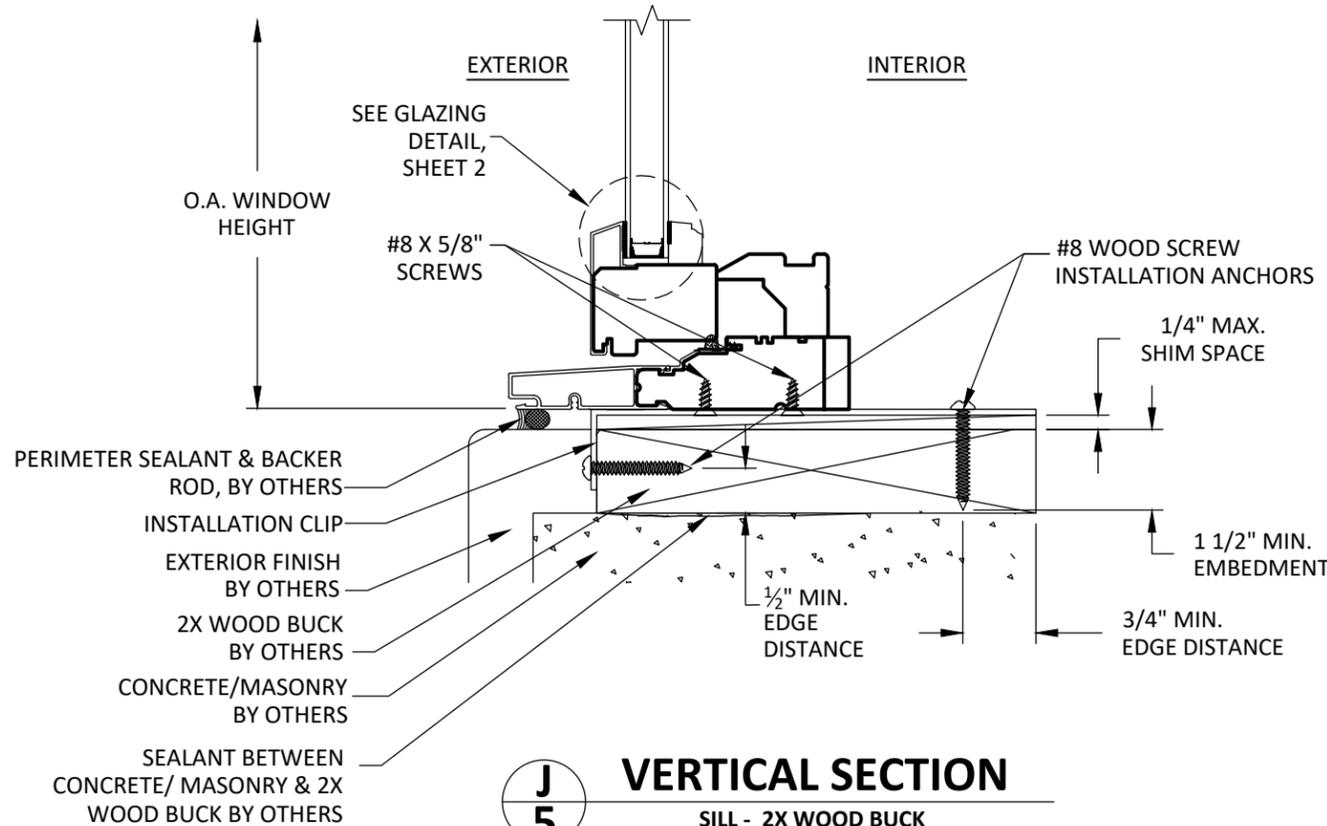
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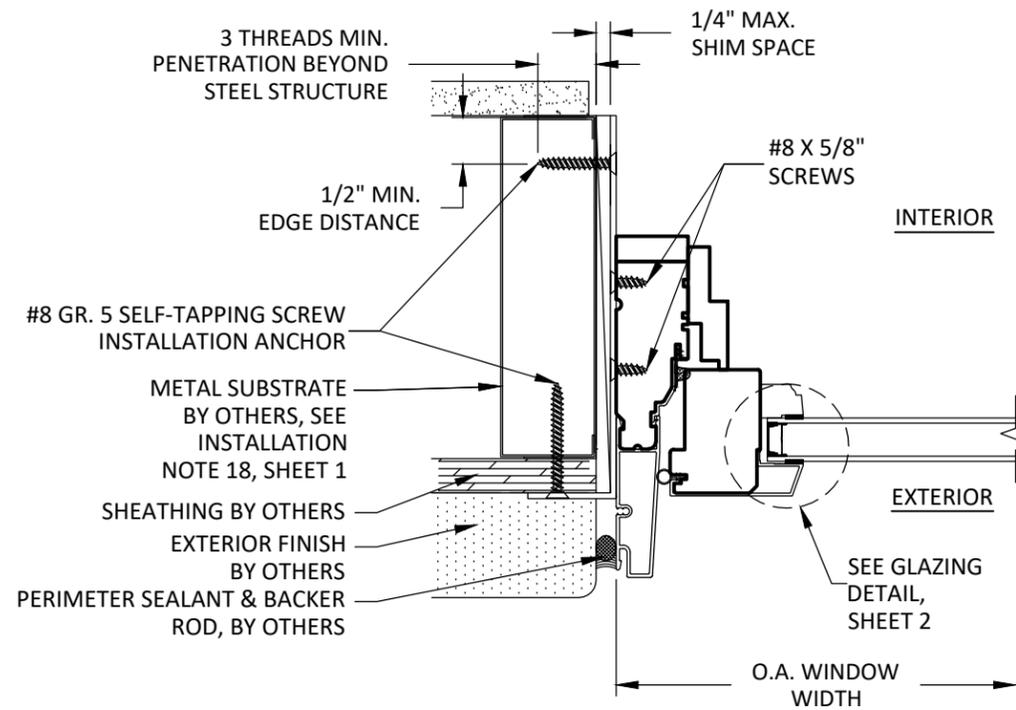
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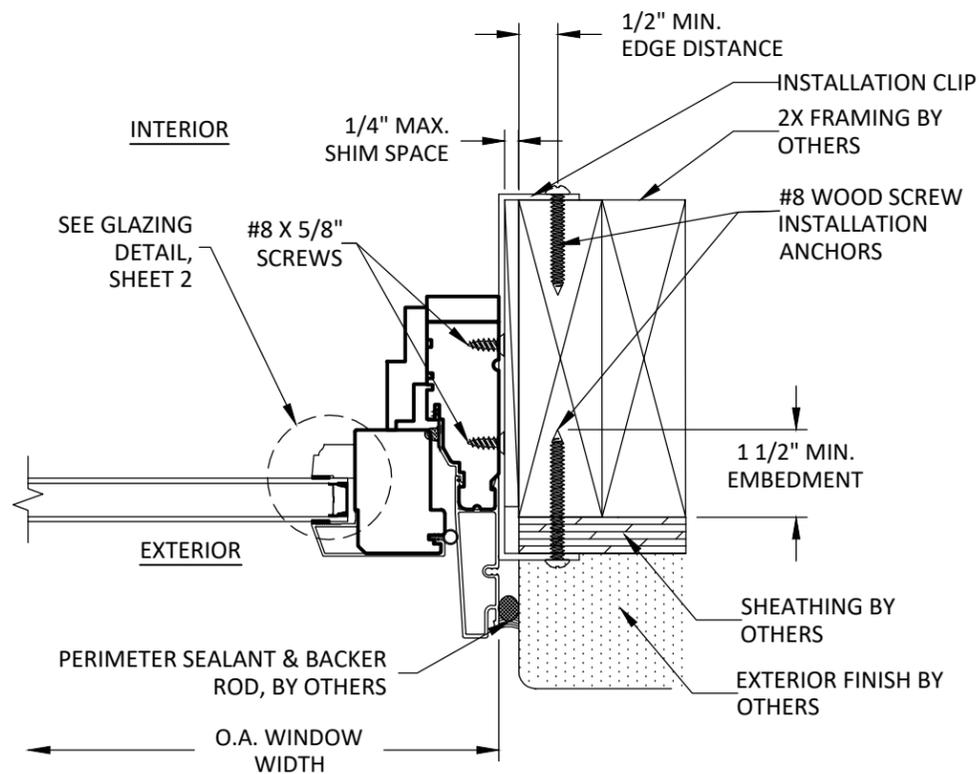
**I**  
**5**  
**VERTICAL SECTION**  
 HEAD - 2X WOOD BUCK  
 STANDARD CLIP INSTALLATION



**J**  
**5**  
**VERTICAL SECTION**  
 SILL - 2X WOOD BUCK  
 ALTERNATE CLIP INSTALLATION



**K**  
**5**  
**HORIZONTAL SECTION**  
 JAMB - METAL SUBSTRATE  
 ALTERNATE CLIP INSTALLATION



**L**  
**5**  
**HORIZONTAL SECTION**  
 JAMB - 2X FRAMING  
 STANDARD CLIP INSTALLATION



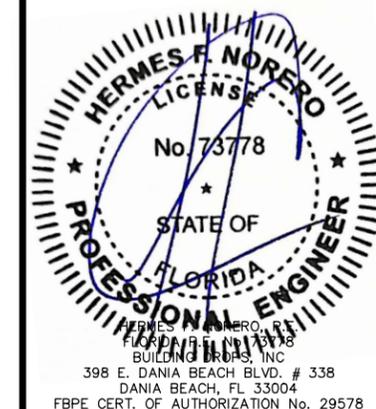
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TITLE: PINNACLE CLAD SELECT AWNING (NON-HVHZ)(NON-IMPACT) CLIP INSTALLATION SECTIONS

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OF 5