

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION, UNLESS OTHERWISE SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF 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.
4. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH AT THE HEAD, SILL, AND JAMBS. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
5. **THROUGH FRAME:** FOR INSTALLATION INTO WOOD FRAMING USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2" MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
6. **THROUGH FRAME:** FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 3/16" DIAMETER ITW TAPCONS, ELCO ULTRACON, ELCO CRETE-FLEX OR HILTI KWIK-CON II OF SUFFICIENT LENGTH TO ACHIEVE 1" MINIMUM EMBEDMENT.
7. **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.
8. CLIPS SHALL BE FASTENED TO THE WINDOW FRAME WITH (1) #8 X 3/4" SCREWS. CLIPS ARE 18 GAUGE (0.0478" THICKNESS) F_y=33 KSI MIN STEEL WITH OVERALL DIMENSIONS OF 1" WIDE, 4.327" ALONG THE LONG LEG, AND 0.246" ALONG THE SHORT LEG.
9. **CLIP ANCHOR:** FOR INSTALLATION INTO WOOD FRAMING USE (1) #8 WOOD SCREWS PER CLIP OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
10. **CLIP ANCHOR:** FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 3/16" DIAMETER ITW TAPCONS, ELCO ULTRACON, ELCO CRETE-FLEX OR HILTI KWIK-CON II OF SUFFICIENT LENGTH TO ACHIEVE 1" MINIMUM EMBEDMENT.
11. **CLIP ANCHOR:** FOR INSTALLATION INTO METAL STUD USE (1) #8 GR. 5 SELF-TAPPING SCREWS PER CLIP OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND THE METAL STRUCTURE.
12. **NAIL FIN:** FOR INSTALLATION INTO WOOD FRAMING USE #8 WOOD SCREWS WITH A WASHER MINIMUM OF 0.438" OUTER DIAMETER OR USE 2 1/2" ROOFING NAIL PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
13. **NAIL FIN:** FOR INSTALLATION INTO METAL STUD OR APPROVED MULLION USE #8 GR. 5 SELF TAPPING SCREWS OF SUFFICIENT LENGTH WITH A WASHER OF MINIMUM 0.438" OUTER DIAMETER TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL FRAME SUBSTRATE.
14. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
15. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
16. 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 NOTES (CONTINUED):

17. 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.
18. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.

B. CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.

C. 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.

D. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM 18 GA. WALL THICKNESS.

E. ALUMINUM - MINIMUM ALLOY 6063-T5. MINIMUM WALL THICKNESS OF 1/8" (0.125").

GENERAL NOTES:

1. 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/A440-17

ASTM E1886-13a/19

ASTM E1996-17/20
2. 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.
3. 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.
4. 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.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT FOR WZ3 OR LESS.
6. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT FOR WZ4.
7. WINDOW FRAME MATERIAL: VINYL
8. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 7 FOR GLAZING DETAILS.

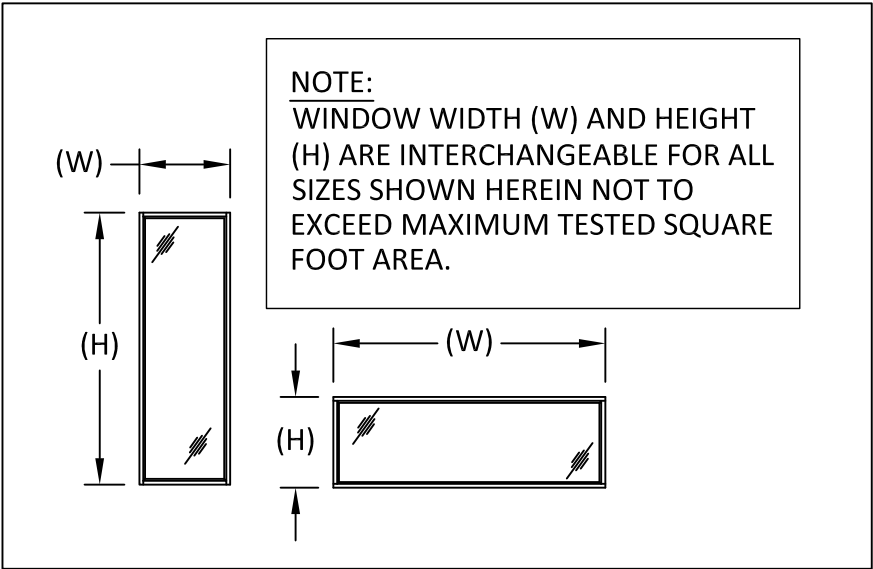
WINDSOR WINDOWS & DOORS

NEXT DIMENSION DIRECT SET WINDOW

(WZ3)(IMPACT)

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DESIGN PRESSURE TABLE					
TYP. OVERALL SIZE		DESIGN PRESSURE	GLAZING DETAIL	INSTALLATION METHOD	MISSILE IMPACT RATING
WIDTH	HEIGHT				
95.5"	71.5"	+50/-50 PSF	GLAZING DETAIL 1	THROUGH FRAME, NAIL FIN & CLIP	LMI/SMI
47.5"	83.5"	+50/-50 PSF	GLAZING DETAIL 2	THROUGH FRAME, NAIL FIN & CLIP	LMI/SMI



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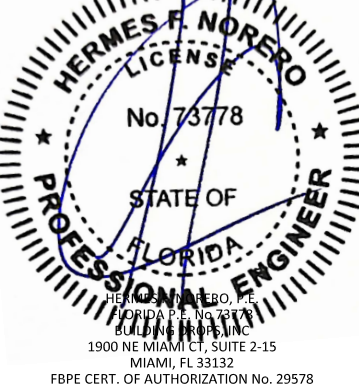
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INSTALLATION
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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2025.01.12 11:45:50 -0500



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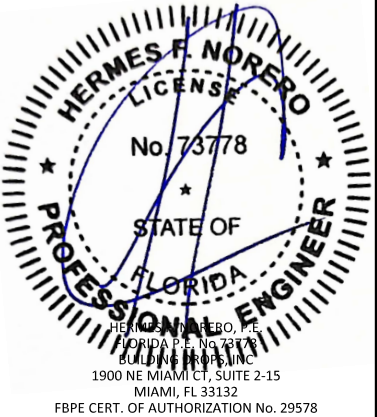
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TITLE:
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ELEVATIONS AND ANCHOR LAYOUTS

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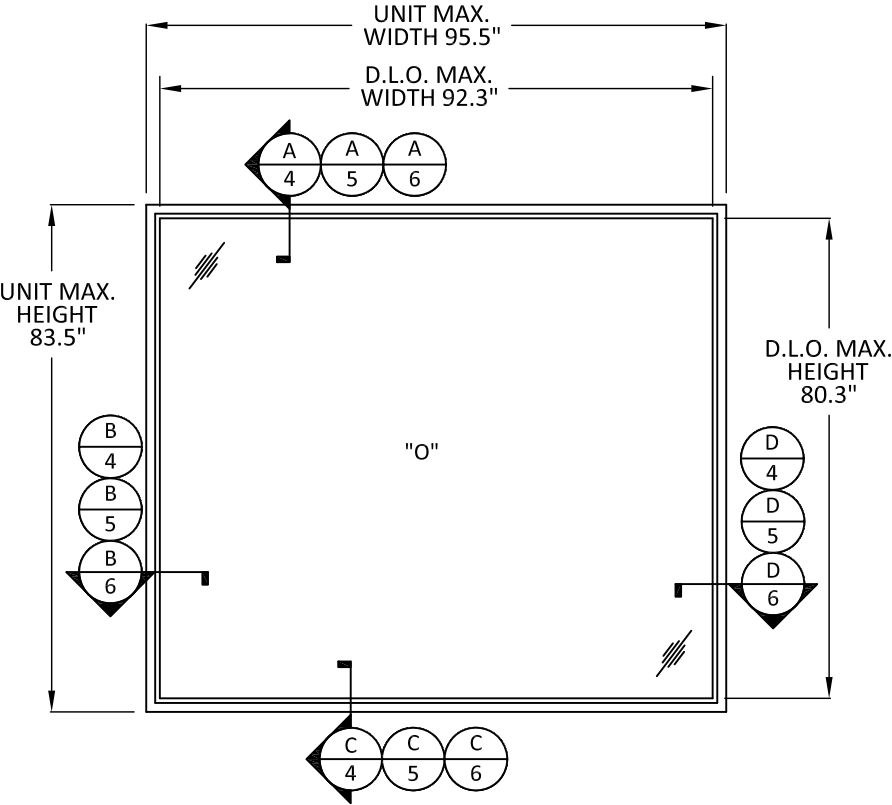
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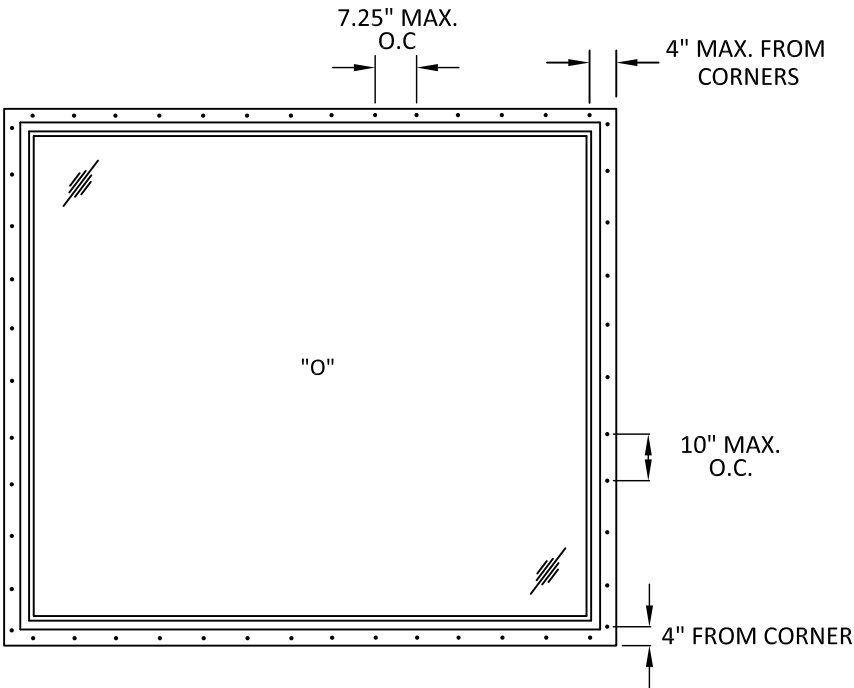
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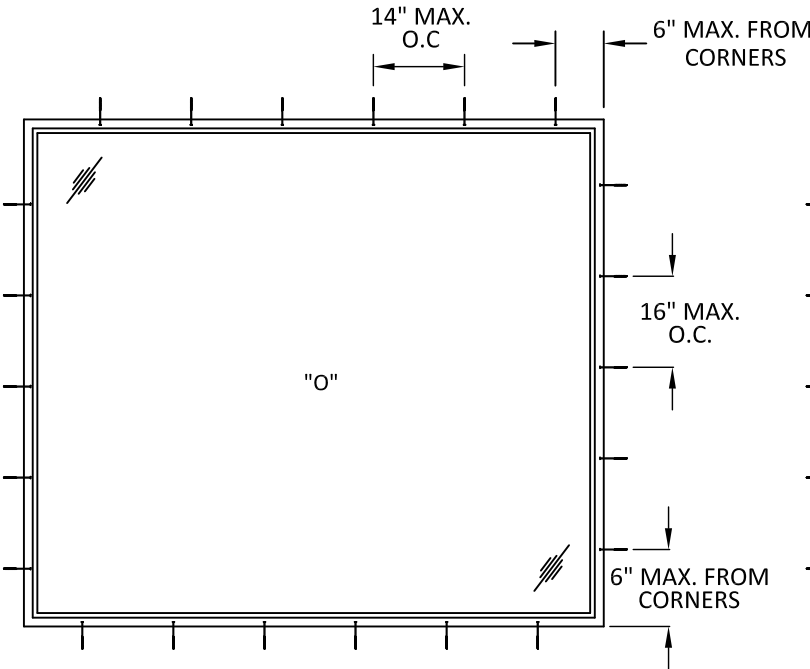
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DIRECT SET WINDOW



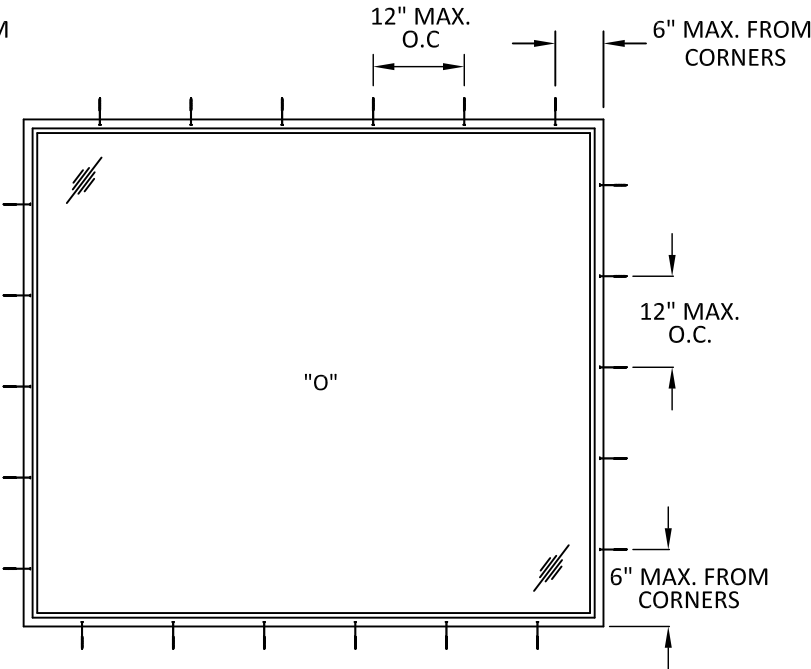
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NAIL FIN INSTALLATION



TYPICAL ANCHOR LAYOUT

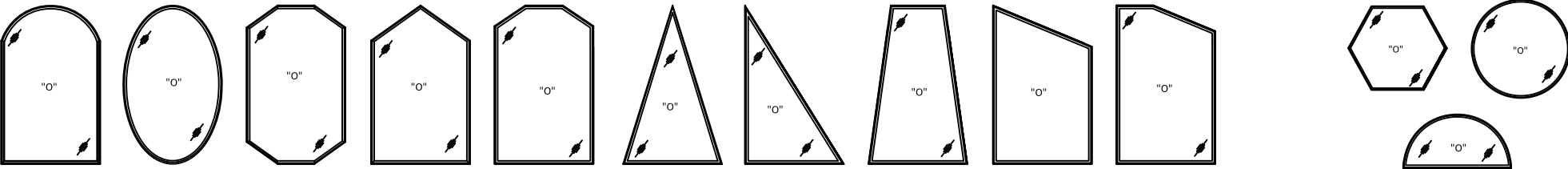
THROUGH FRAME INSTALLATION



TYPICAL ANCHOR LAYOUT

CLIP INSTALLATION

ALLOWABLE
CONFIGURATIONS





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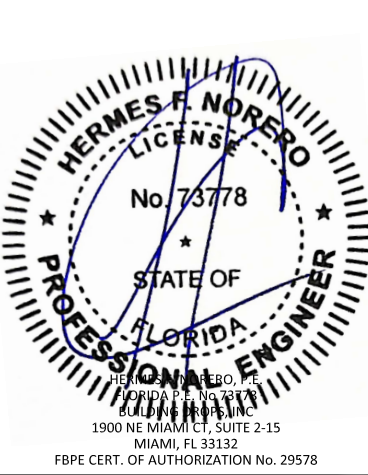
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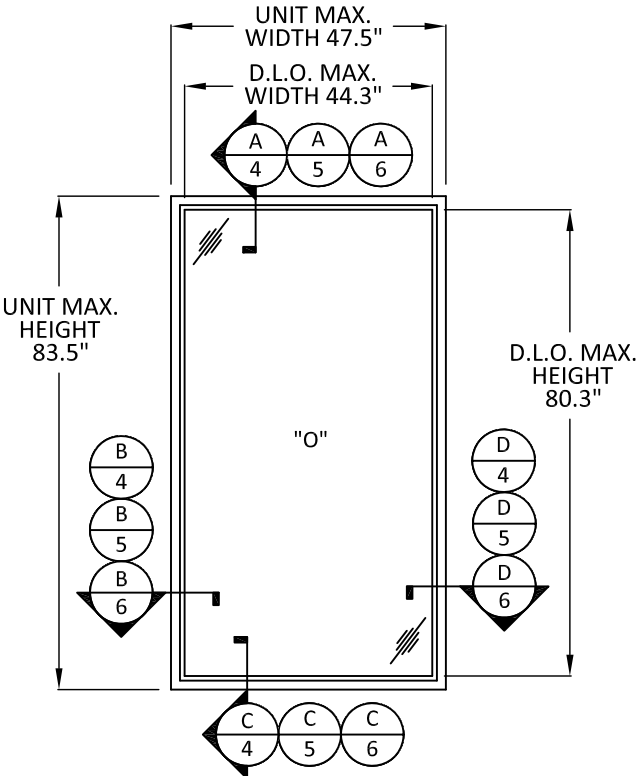
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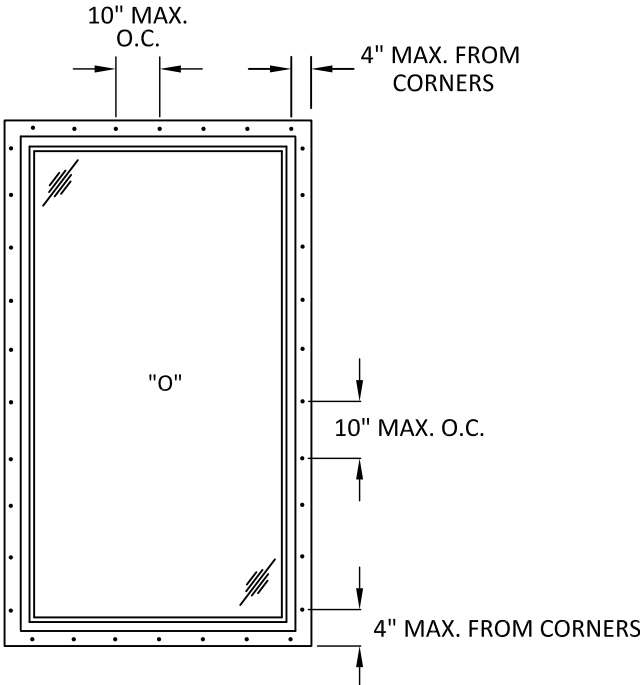
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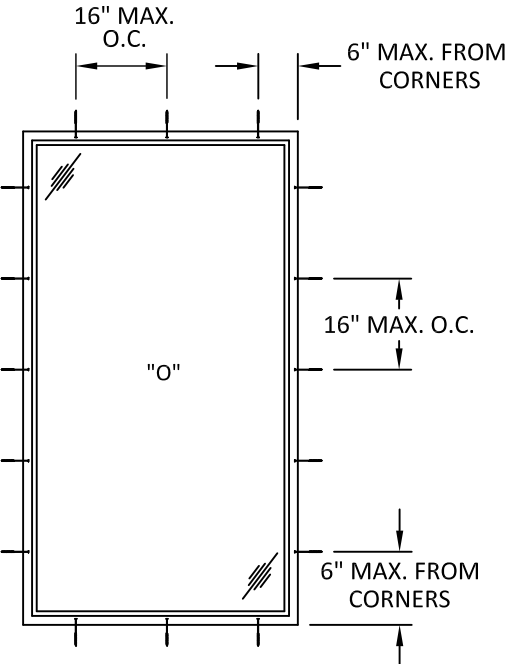
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DIRECT SET WINDOW



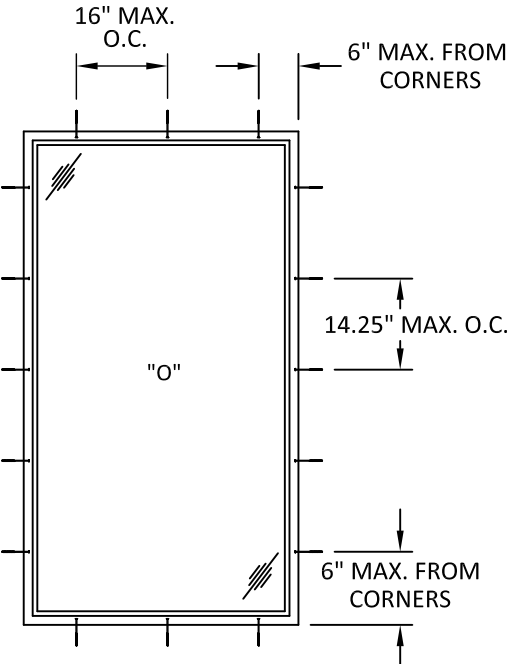
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NAIL FIN INSTALLATION



TYPICAL ANCHOR LAYOUT

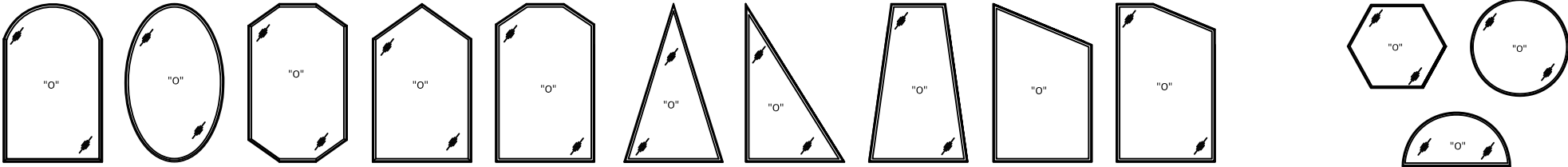
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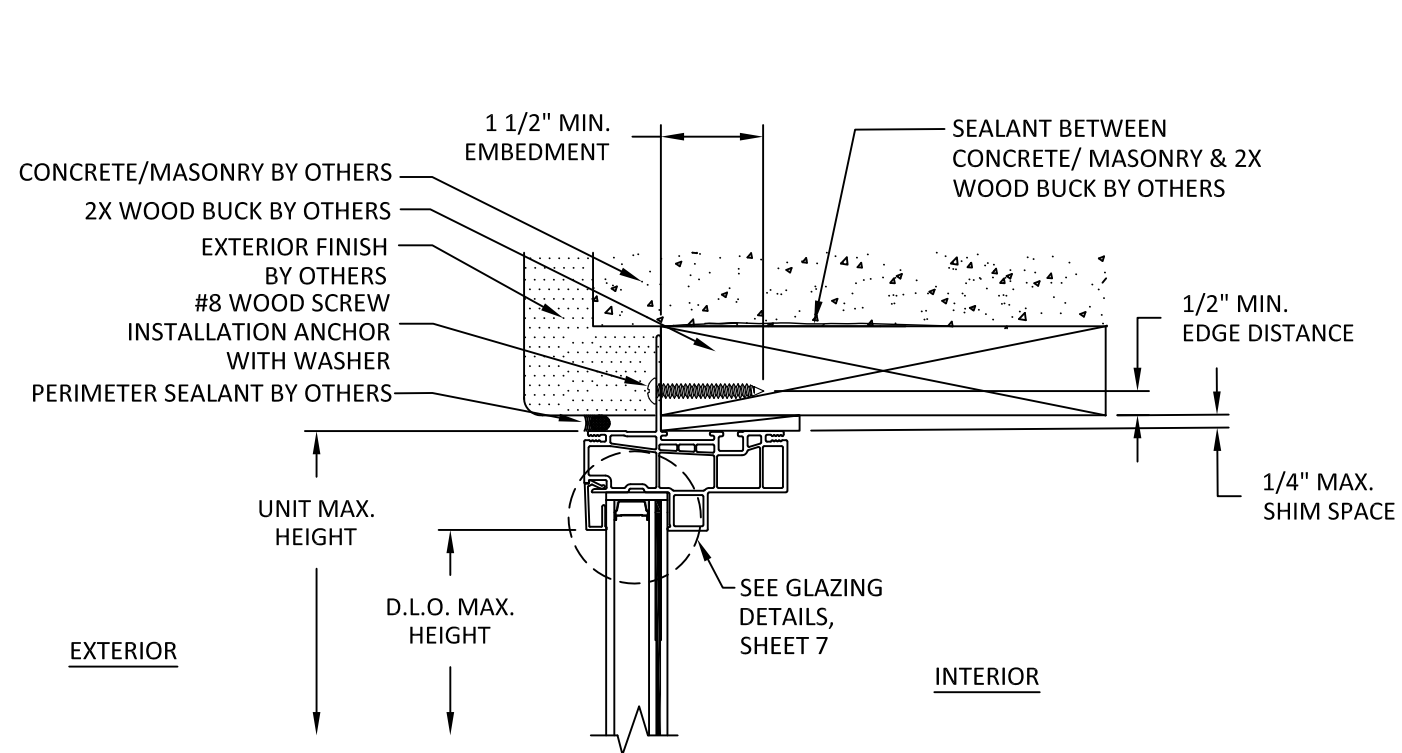


TYPICAL ANCHOR LAYOUT

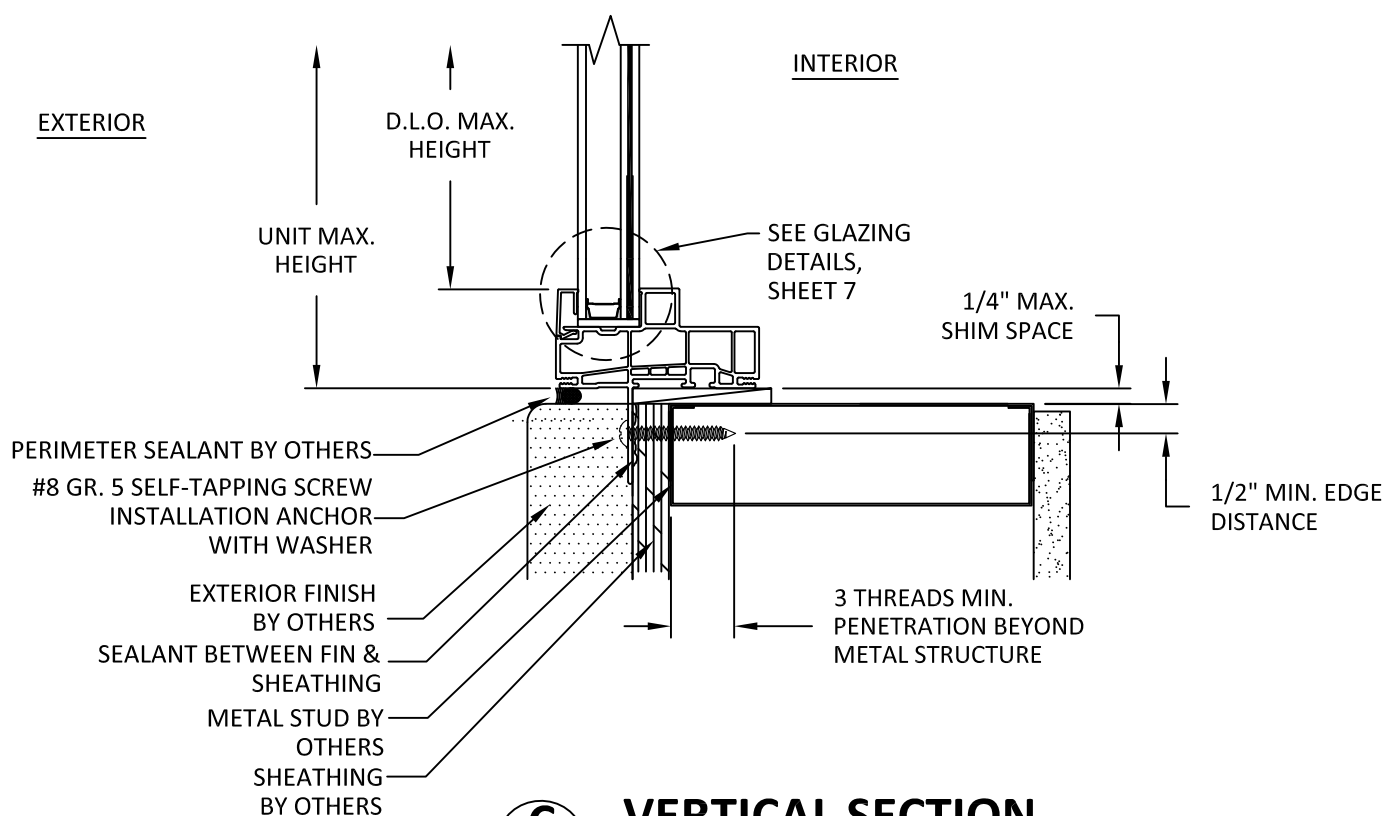
CLIP INSTALLATION

ALLOWABLE CONFIGURATIONS

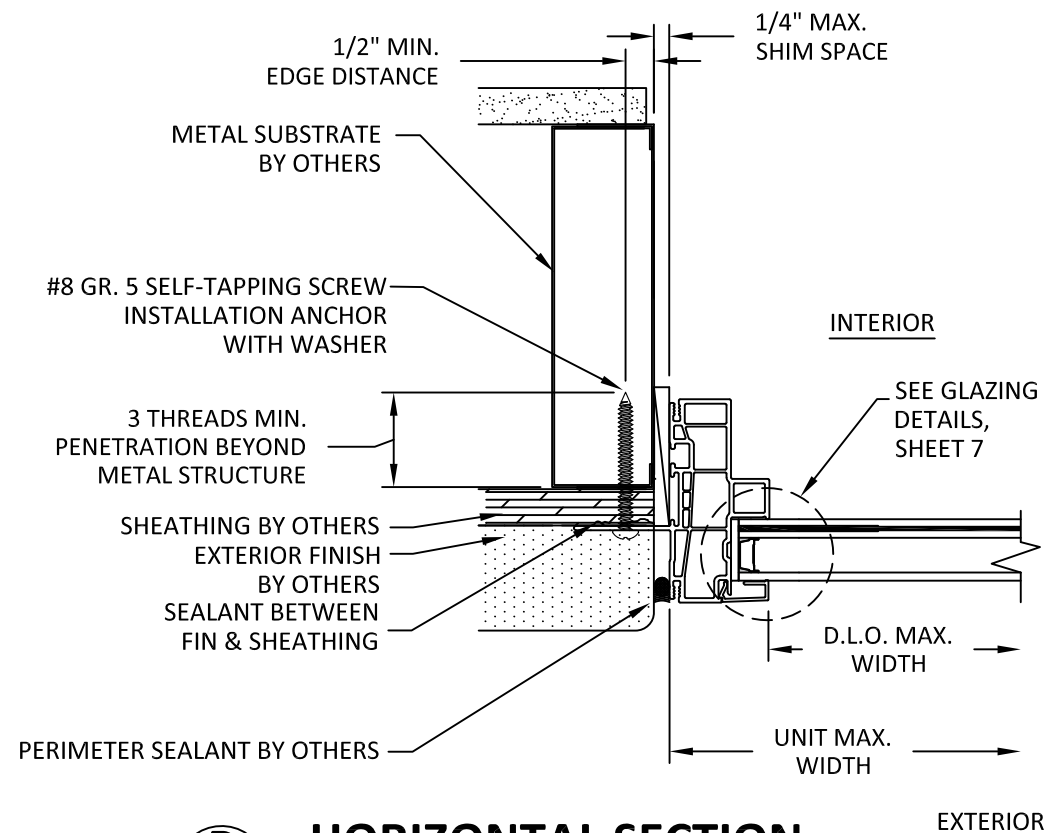




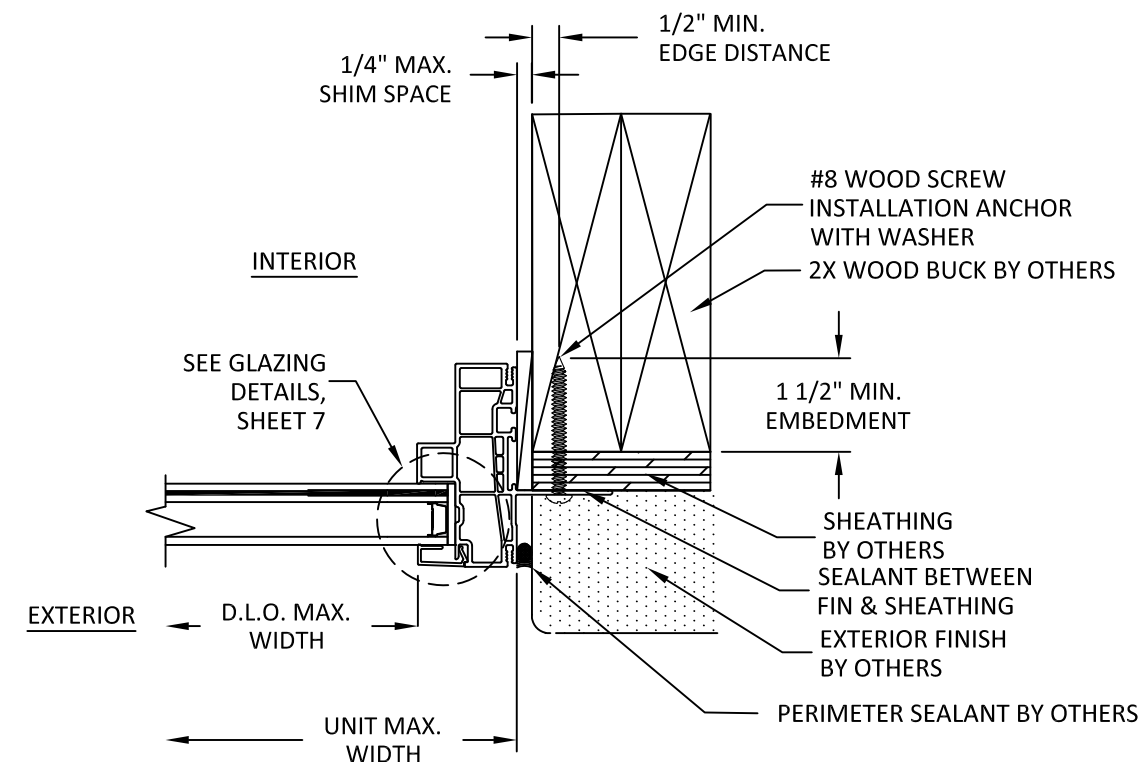
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4 **VERTICAL SECTION**
NAIL FIN INSTALLATION
WOOD SUBSTRATE



C
4 **VERTICAL SECTION**
NAIL FIN INSTALLATION
METAL SUBSTRATE



B
4 **HORIZONTAL SECTION**
NAIL FIN INSTALLATION
METAL SUBSTRATE



D
4 **HORIZONTAL SECTION**
NAIL FIN INSTALLATION
WOOD SUBSTRATE



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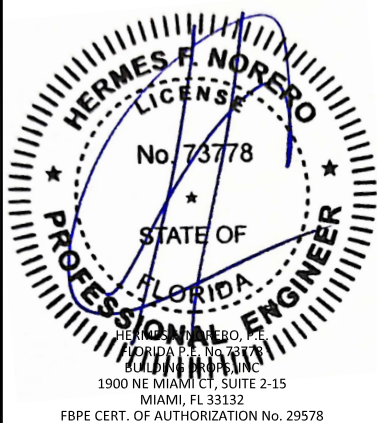
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NEXT DIMENSION
DIRECT SET WINDOW
(WZ3)(IMPACT)
VERTICAL AND HORIZONTAL
SECTIONS - NAIL FIN

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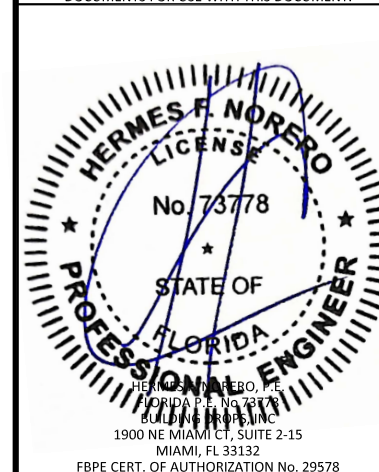
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DIRECT SET WINDOW
(WZ3)(IMPACT)
VERTICAL AND HORIZONTAL
SECTIONS - THROUGH FRAME

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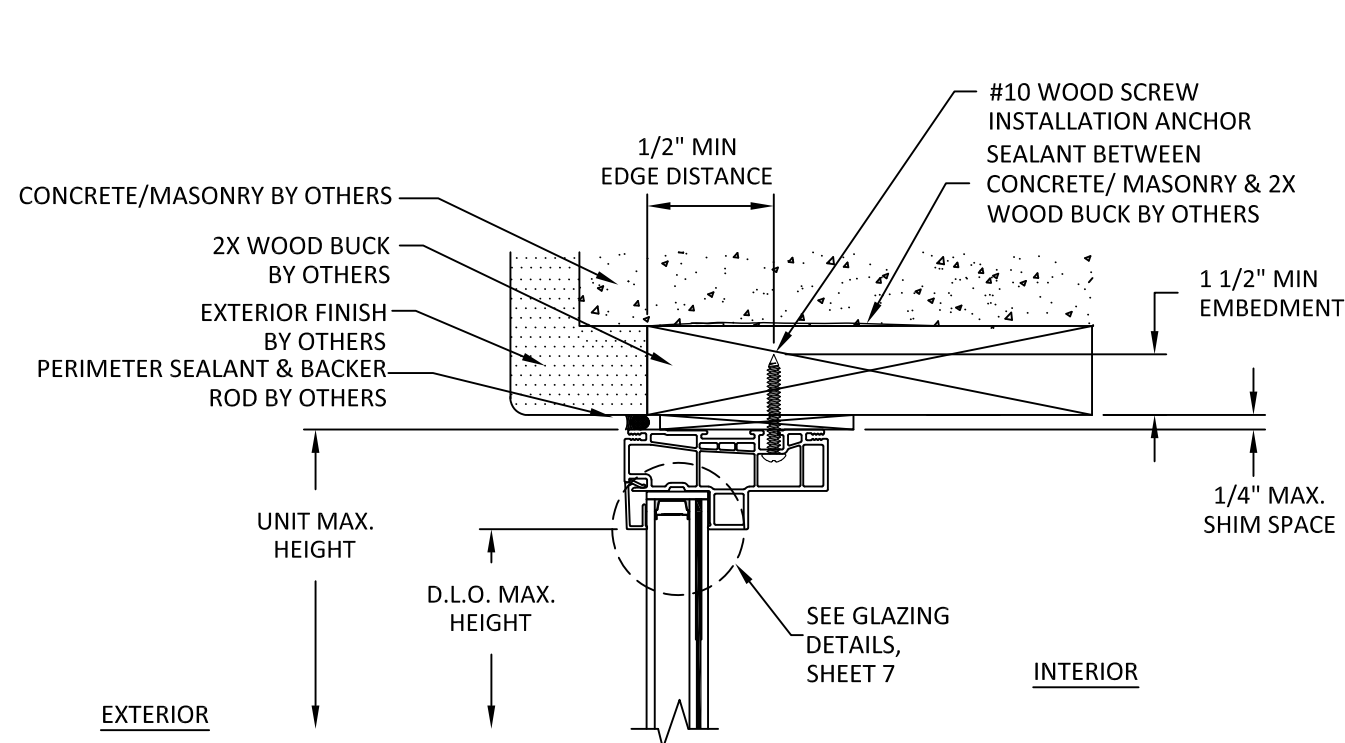
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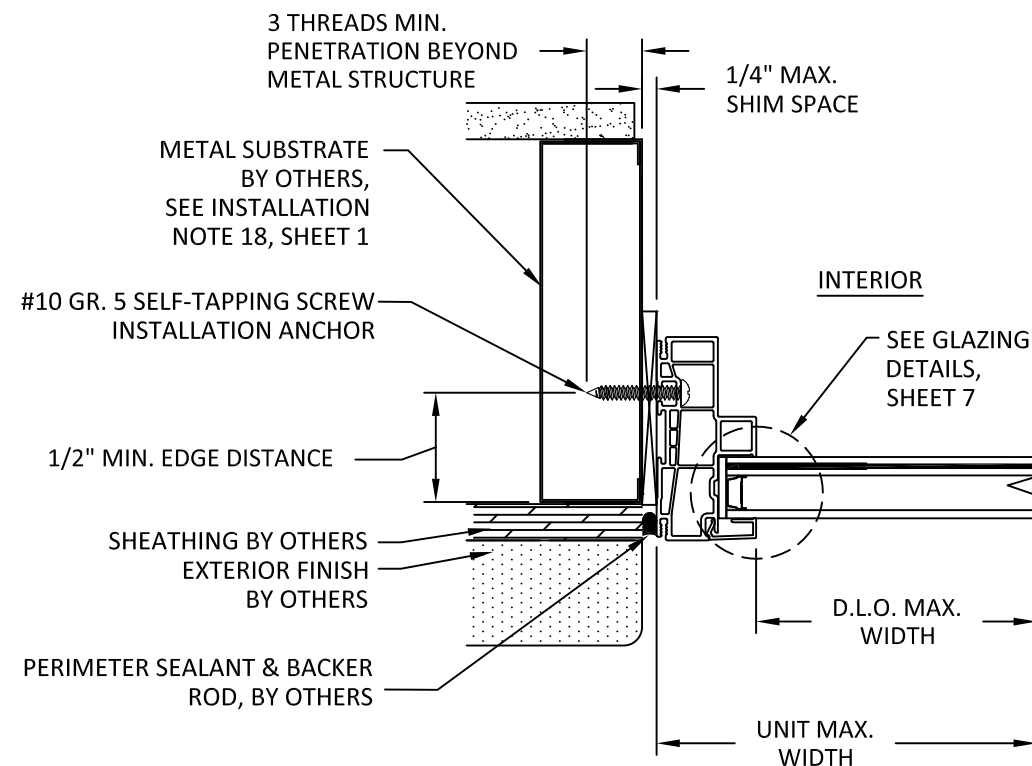
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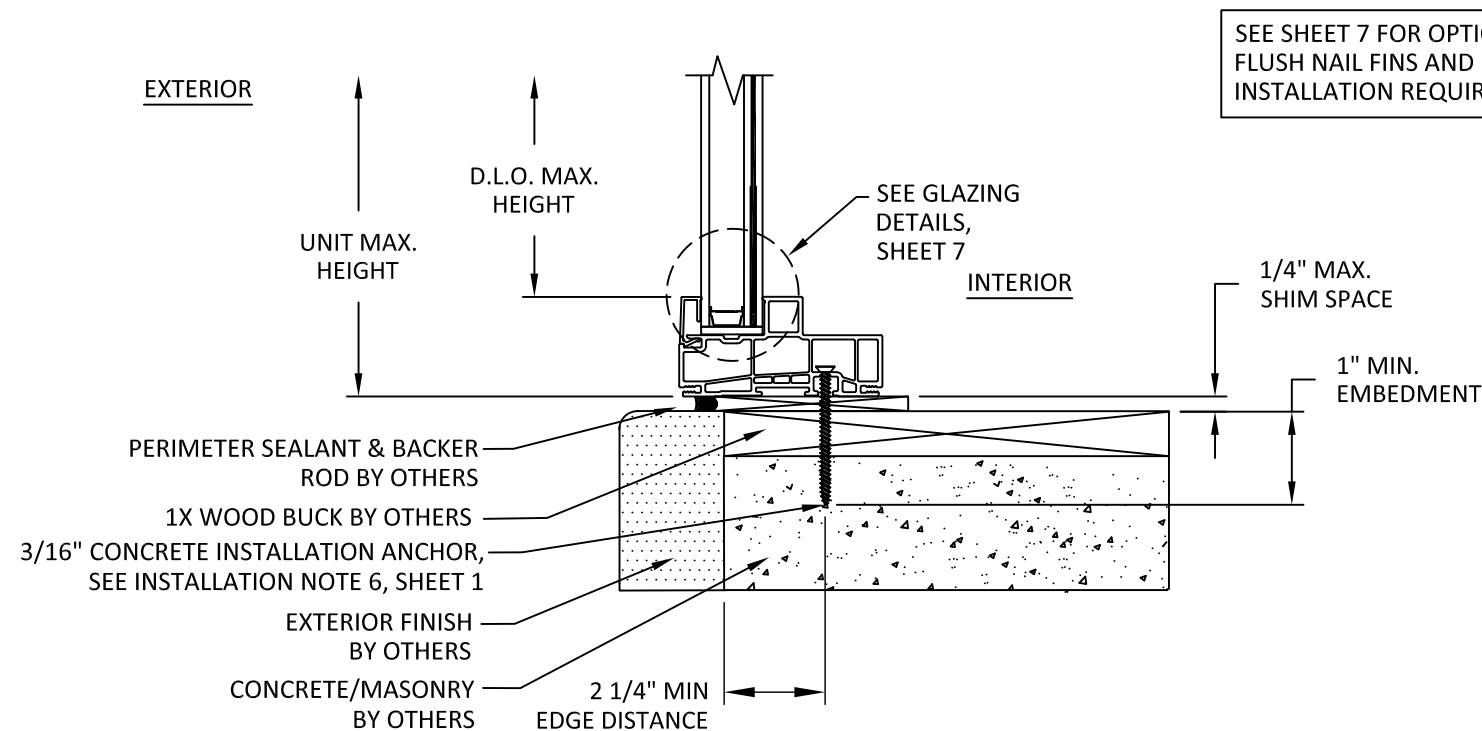
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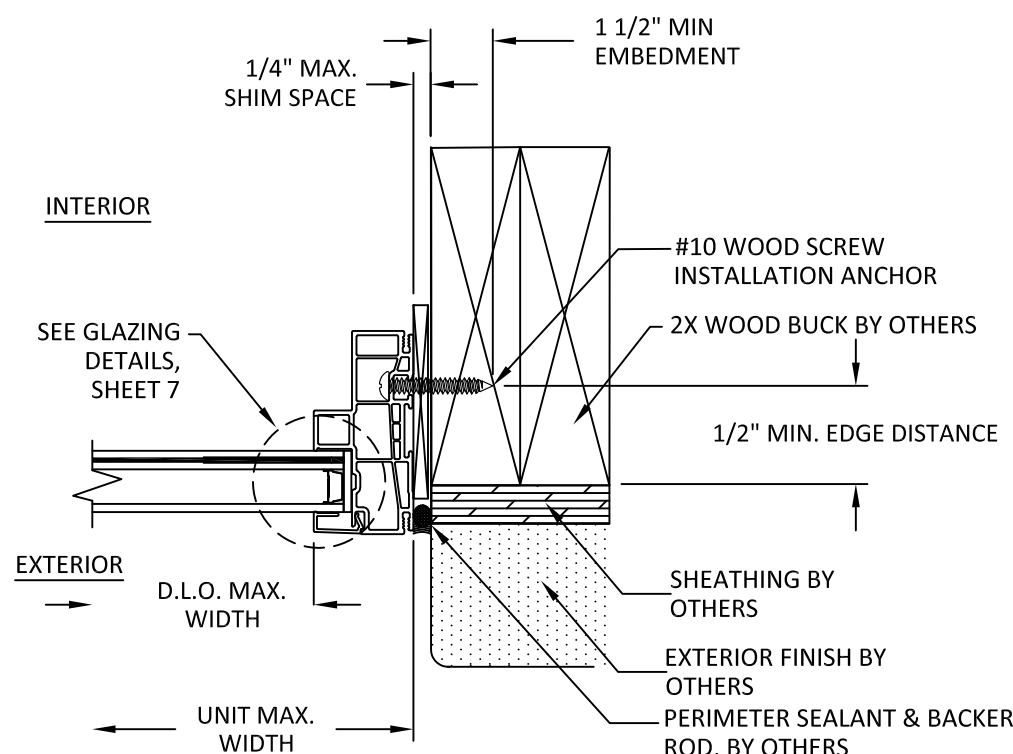
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VERTICAL SECTION
THROUGH FRAME INSTALLATION
WOOD SUBSTRATE



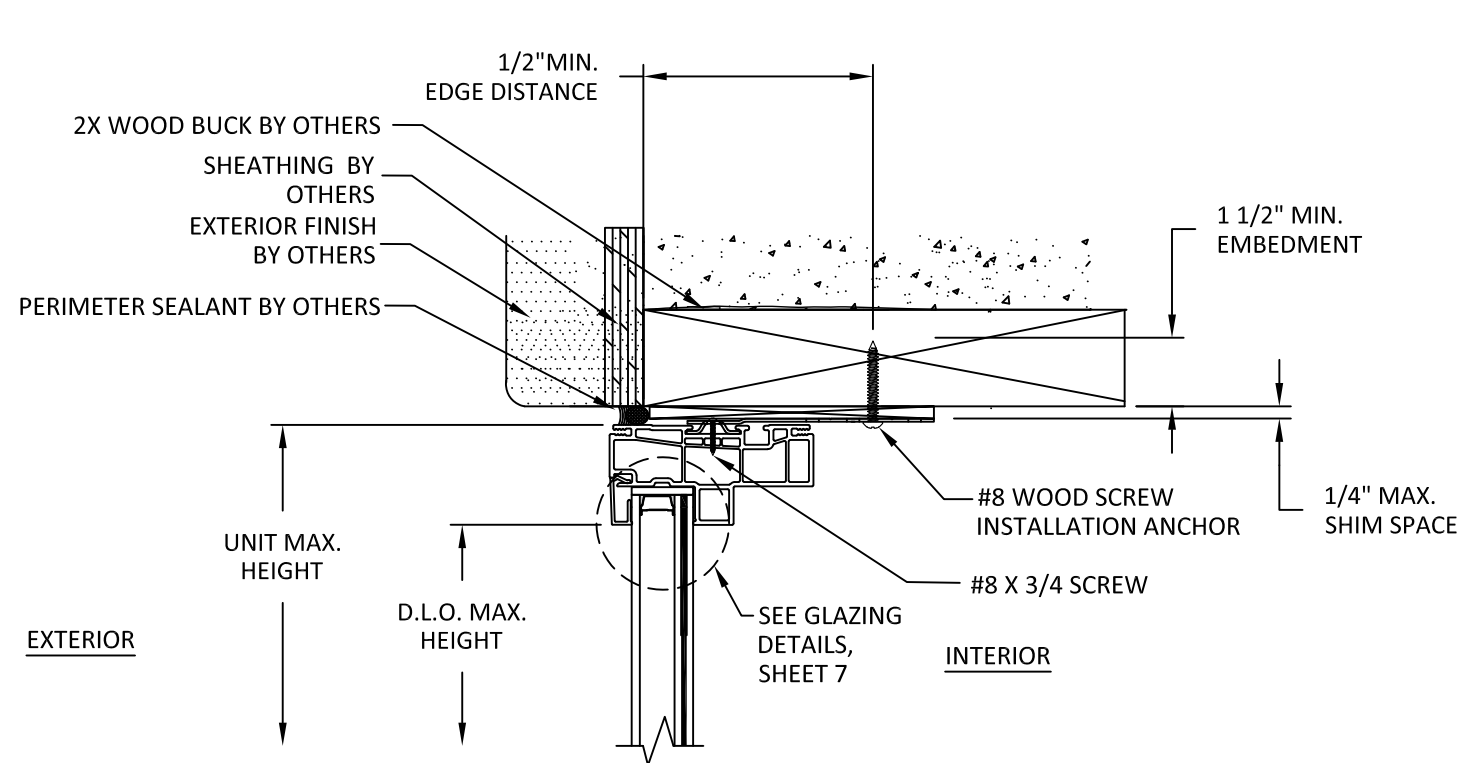
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HORIZONTAL SECTION
THROUGH FRAME INSTALLATION
METAL SUBSTRATE



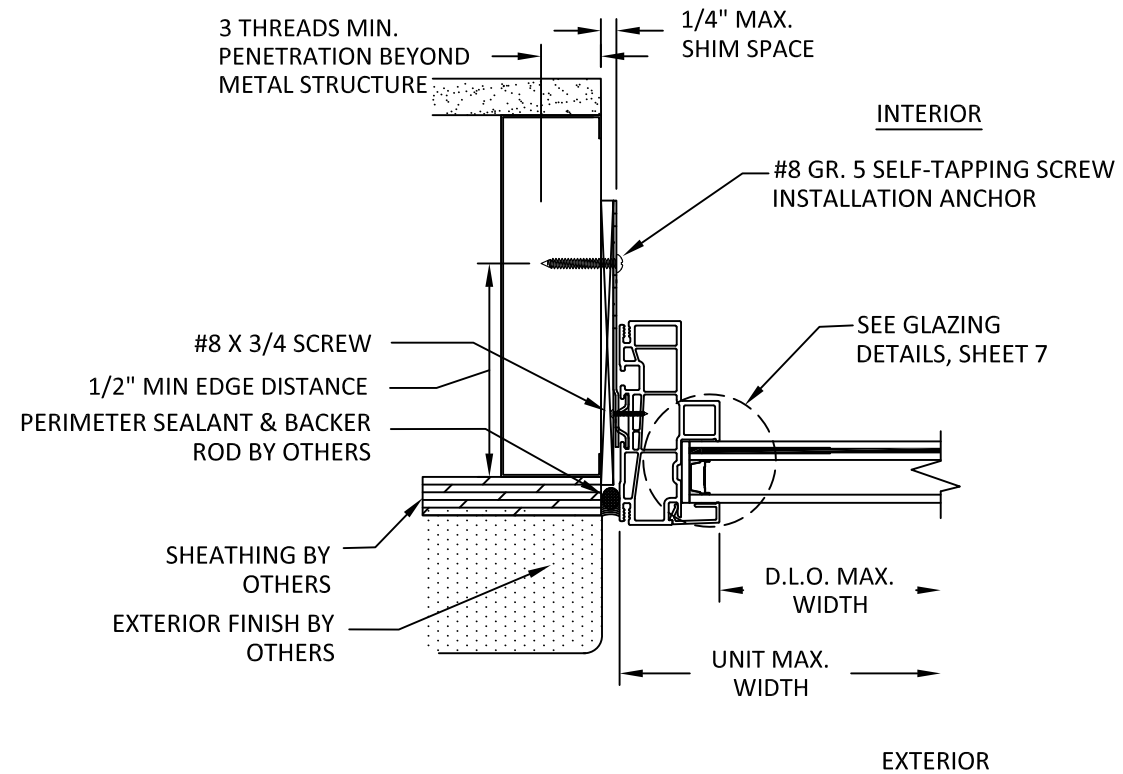
C
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VERTICAL SECTION
THROUGH FRAME INSTALLATION
CONCRETE/CMU



D
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HORIZONTAL SECTION
THROUGH FRAME INSTALLATION
WOOD SUBSTRATE

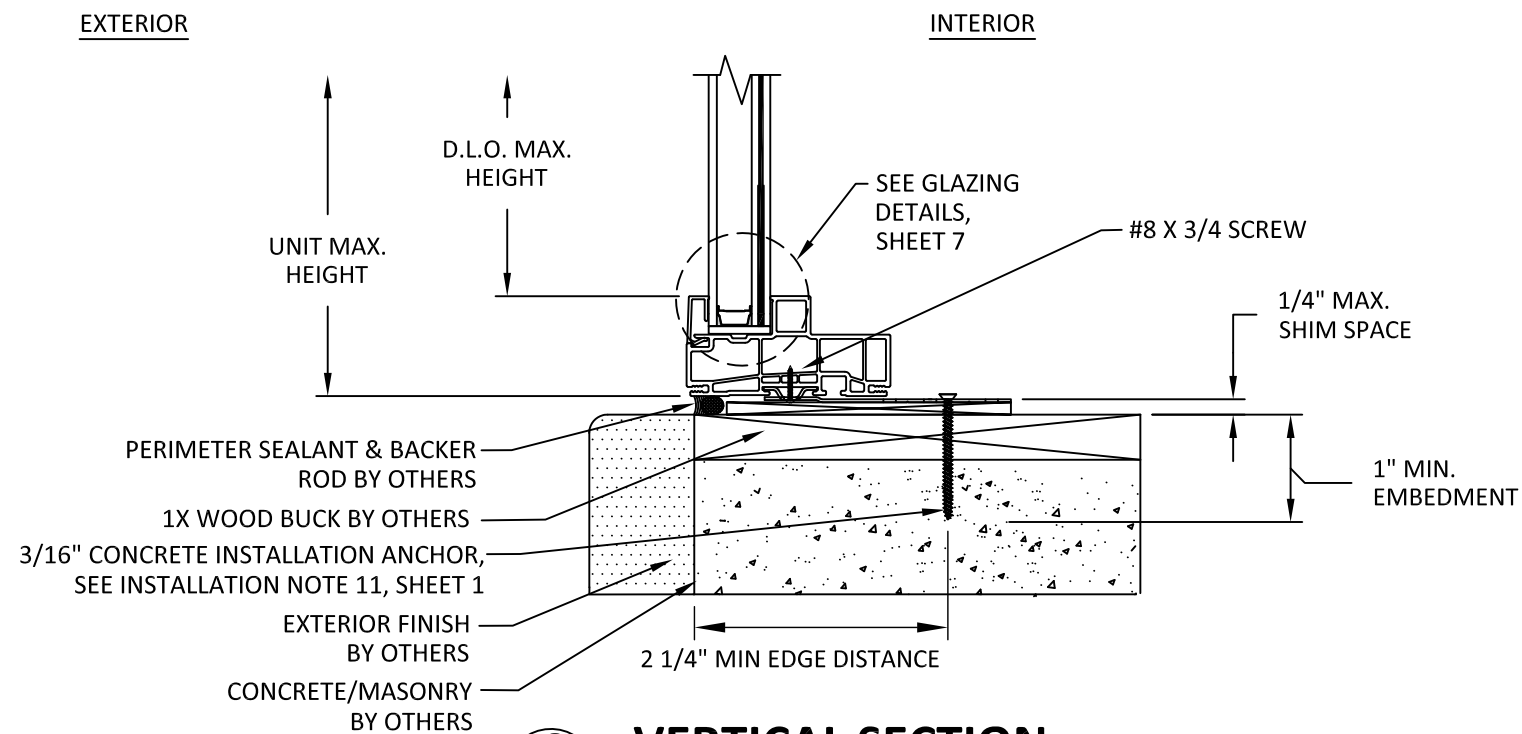


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CLIP INSTALLATION
WOOD SUBSTRATE

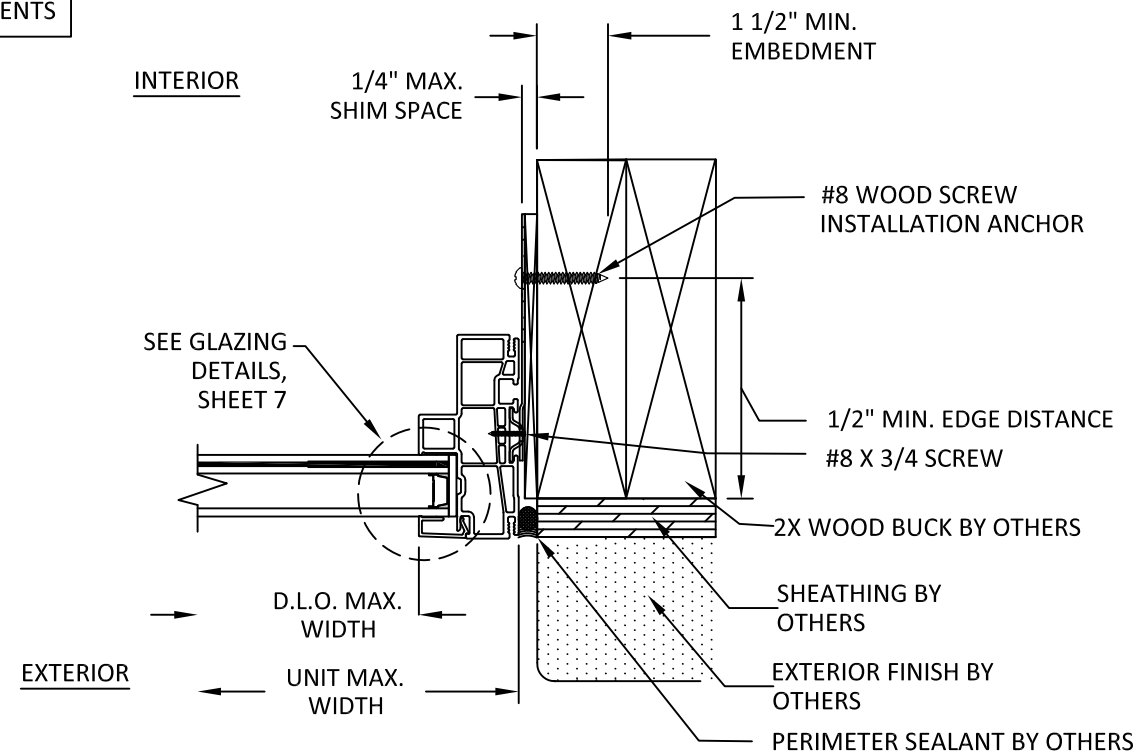


B
6 **HORIZONTAL SECTION**
CLIP INSTALLATION
METAL SUBSTRATE

SEE SHEET 7 FOR OPTIONAL
FLUSH NAIL FINS AND
INSTALLATION REQUIREMENTS



C
6 **VERTICAL SECTION**
CLIP INSTALLATION
CONCRETE/CMU



D
6 **HORIZONTAL SECTION**
CLIP INSTALLATION
WOOD SUBSTRATE



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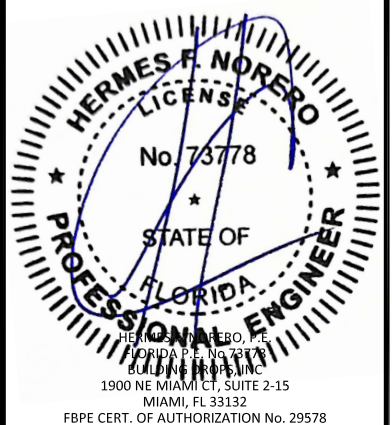
TITLE:
NEXT DIMENSION
DIRECT SET WINDOW
(WZ3)(IMPACT)
VERTICAL AND HORIZONTAL
SECTIONS - CLIP

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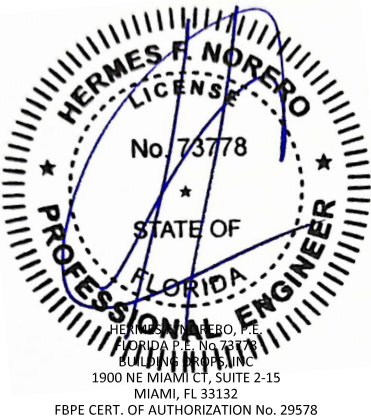
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GLAZING DETAILS AND
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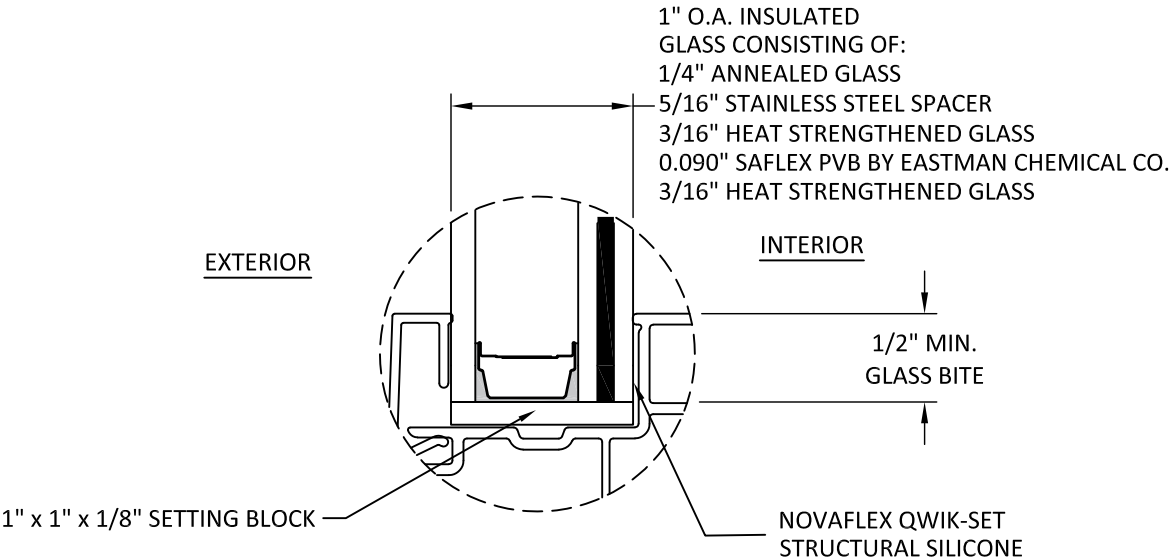
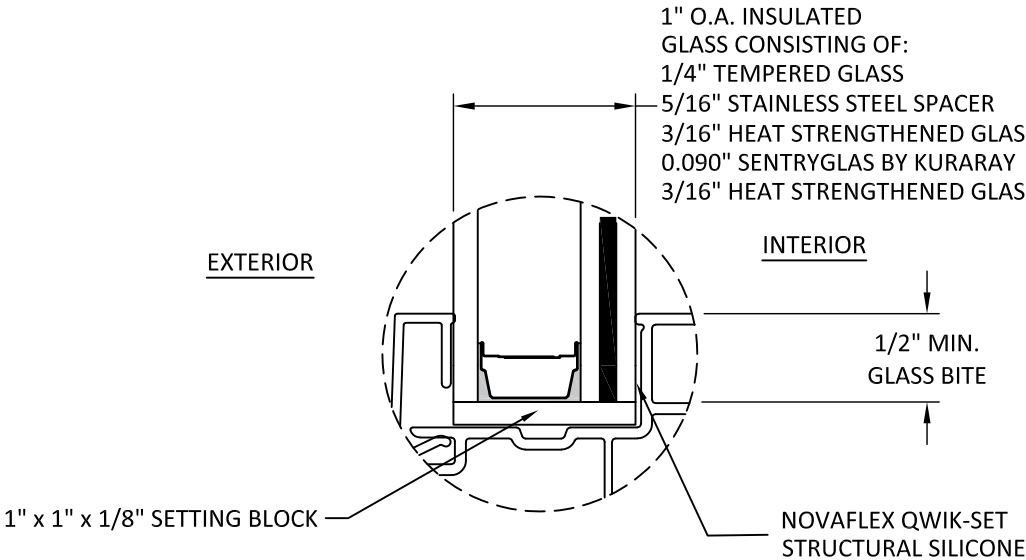
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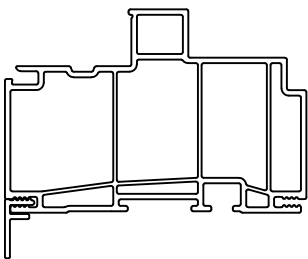
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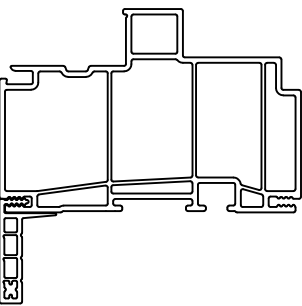
GLAZING NOTES:

1. GLASS TYPE & THICKNESS SHALL COMPLY WITH ASTM E1300 REQUIREMENTS. TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
4. DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN DESIGN PRESSURE TABLE ON SHEET 1.
5. ANNEALED GLASS IS FOR LARGE MISSILE IMPACT ONLY. SACRIFICIAL GLASS LITE (FULLY TEMPERED GLASS) IS FOR LARGE MISSILE IMPACT AND SMALL MISSILE IMPACT.

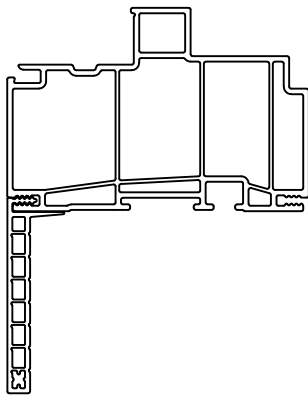
OPTIONAL FLUSH FINS



1/2" FLUSH FIN



1" FLUSH FIN



2" FLUSH FIN

FLUSH FIN NOTES:

1. FLUSH FIN OPTIONS ARE NON-STRUCTURAL AND TO BE USED FOR SEALING PURPOSES ONLY.
2. WINDOW FRAMES USING OPTIONAL FLUSH FINS SHALL BE INSTALLED USING THE THROUGH FRAME OR CLIP INSTALLATION METHOD.