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# WINDSOR WINDOWS & DOORS

## NEXT DIMENSION CLASSIC DOUBLE HUNG (NON-HVHZ) (NON-IMPACT)

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION 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 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
4. 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.
5. **THROUGH FRAME:** FOR INSTALLATION INTO WOOD FRAMING USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
6. **THROUGH FRAME:** FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 1/4 INCH DIAMETER ITW TAPCONS, ELCO ULTRACONS, ELCO CRETE-FLEX OR HILTI KWIK-CON II OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH 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. **CLIP ANCHOR:** FOR INSTALLATION INTO WOOD FRAMING USE (2) #8 WOOD SCREWS PER CLIP OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2" MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
9. **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.
10. **NAIL FIN:** FOR INSTALLATION INTO WOOD FRAMING USE (1) #8 WOOD SCREWS OR (1) 10D COMMON NAIL OR (1) 11 GAUGE ROOFING NAIL PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
11. **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.
12. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
13. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
14. 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.
15. 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.

CONTINUED INSTALLATION NOTES:

16. 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. HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.

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

F. 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/A440-11
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 REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. WINDOW FRAME MATERIAL: VINYL
7. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 11 FOR GLAZING DETAILS.

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DESIGN PRESSURE TABLE						
TYP. OVERALL SIZE		DESIGN PRESSURE	FRAME TYPE	CONFIGURATION	INSTALLATION METHOD	MISSILE IMPACT RATING
WIDTH	HEIGHT					
71.50"	65.50"	+40/-40 PSF	BRM	X/X-X/X	THROUGH FRAME, NAIL FIN AND CLIP	NON -IMPACT
		+45/-45 PSF	NON-BRM			
107.50"	83.50"	+30/-30 PSF	BRM	X/X-X/X-X/X		
		+35/-35 PSF	NON-BRM			
47.50"	83.50"	+30/-30 PSF	BRM	X/X		
		+30/-30 PSF	NON-BRM			
35.50"	71.50"	+50/-50 PSF	BRM	X/X		
		+50/-50 PSF	NON-BRM			
71.50"	71.50"	+45/-45 PSF	BRM	X/X-X/X		
		+45/-45 PSF	NON-BRM			
95.50"	83.50"	+30/-30 PSF	BRM	X/X-X/X		
		+30/-30 PSF	NON-BRM			
35.50"	65.5"	+45/-45 PSF	BRM	X/X		
		+40/-40 PSF	NON-BRM			



WINDSOR WINDOWS & DOORS  
900 S. 19TH STREET.  
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PH: (515)223-6660 FAX: (515)224-1938

TITLE: NEXT DIMENSION CLASSIC DOUBLE HUNG (NON-HVHZ)(NON-IMPACT)

INSTALLATION AND GENERAL NOTES

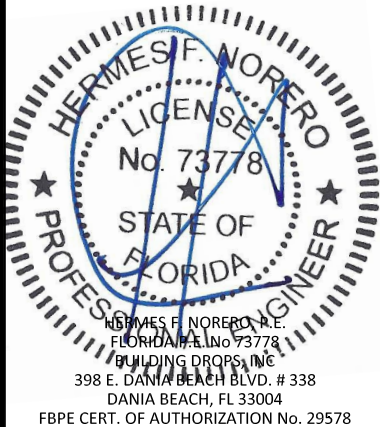
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398 E. DANIA BEACH BLVD., STE. 338  
DANIA BEACH, FL 33004  
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REMARKS	BY	DATE

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CHK. BY: HFN

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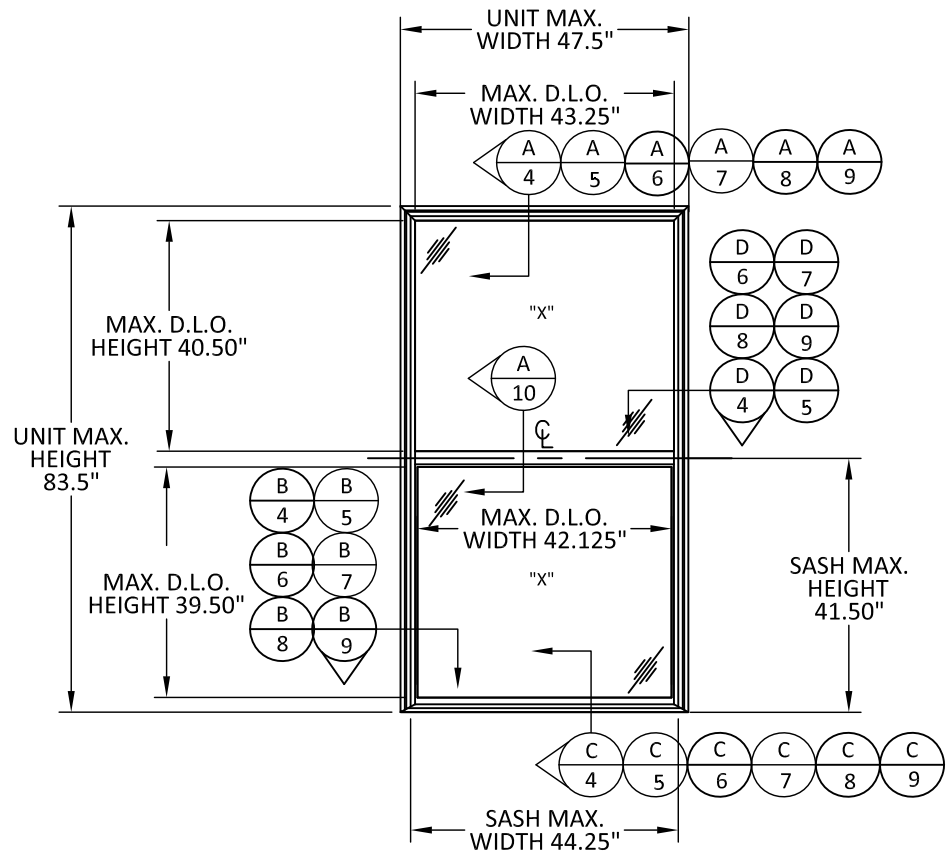
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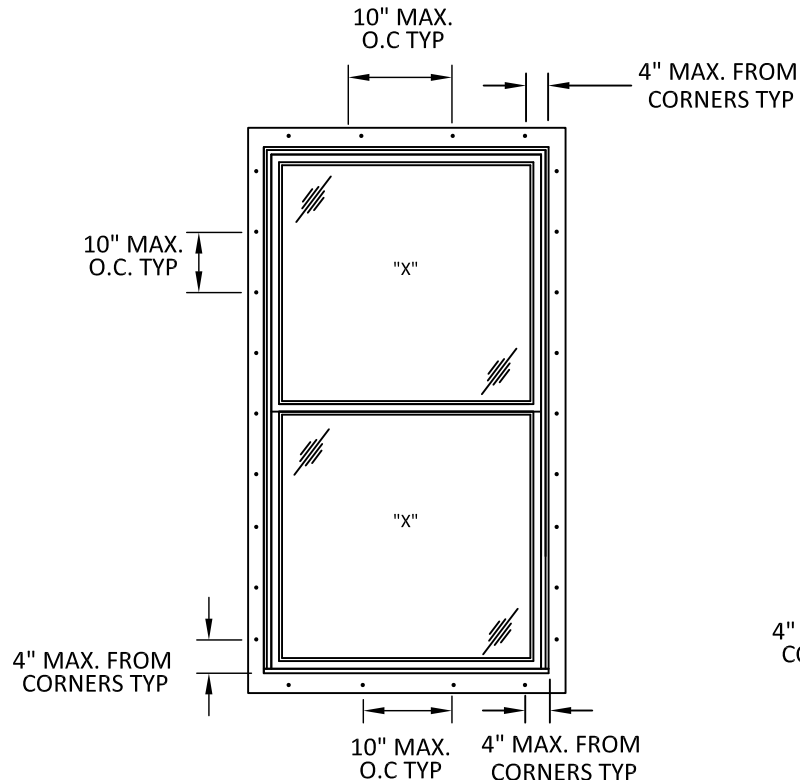
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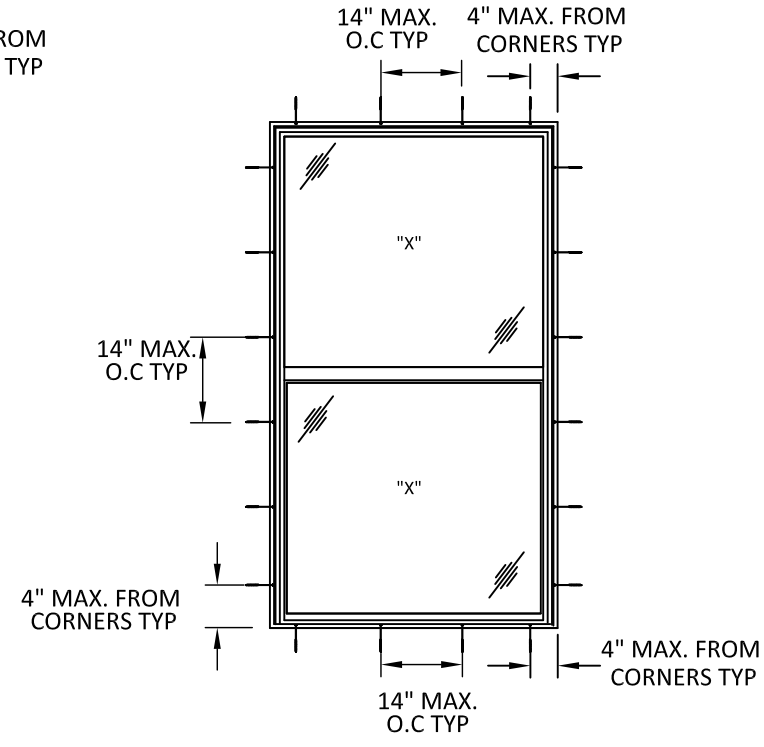
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NEXT DIMENSION CLASSIC DOUBLE HUNG



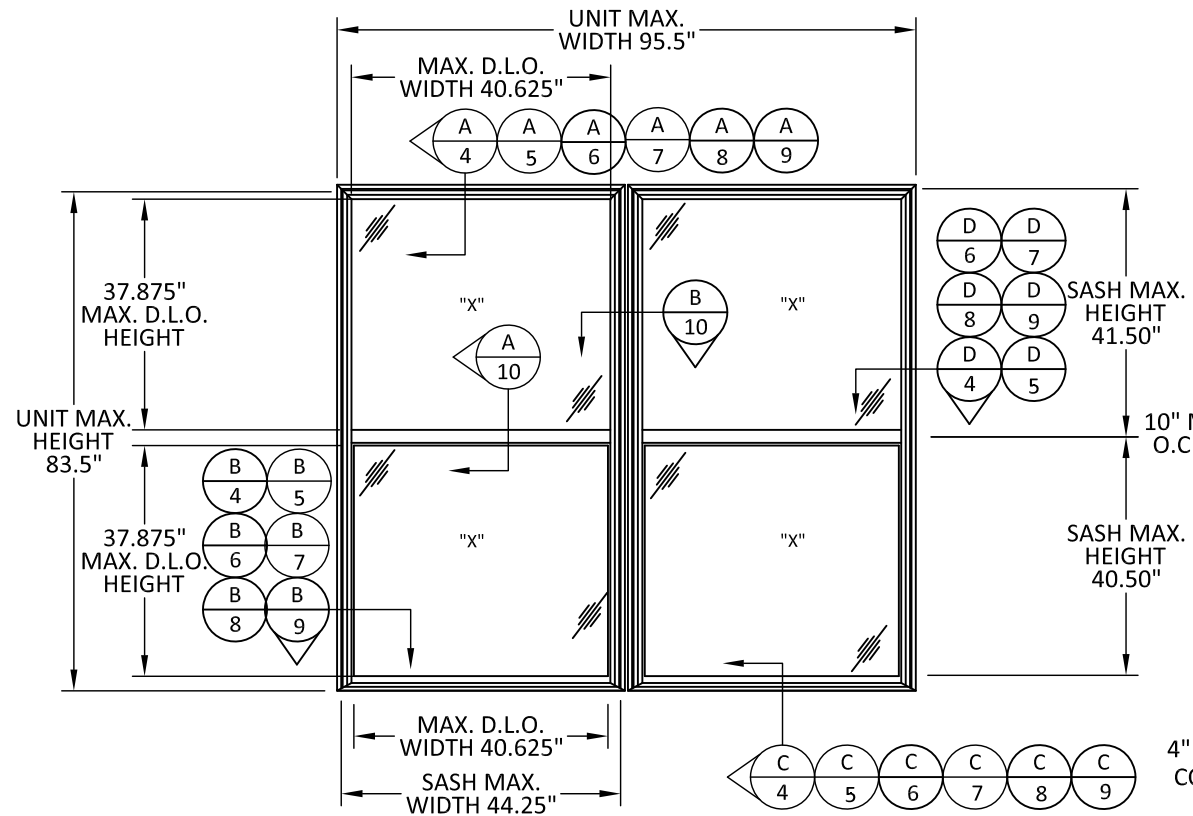
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NAIL FIN INSTALLATION



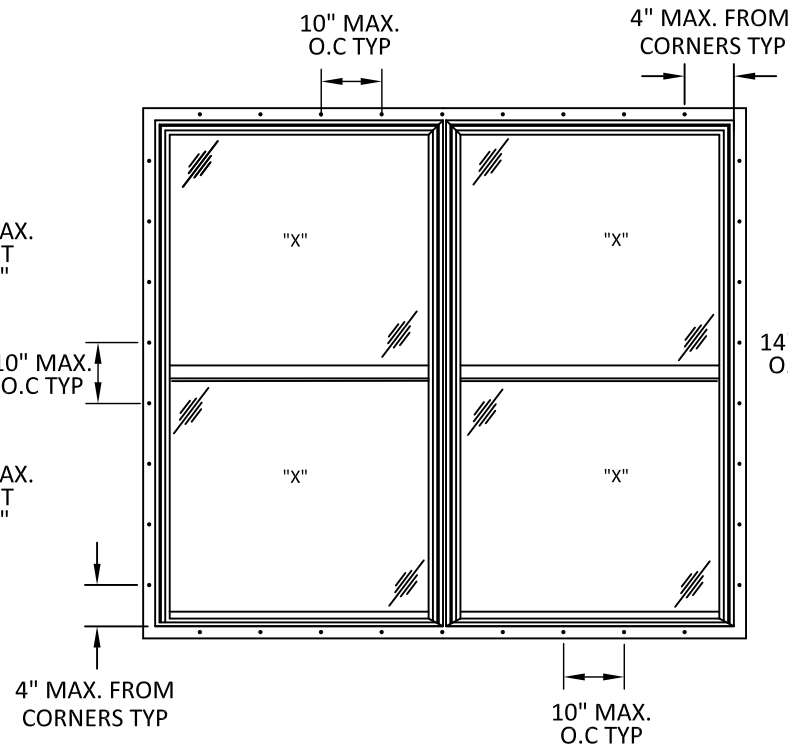
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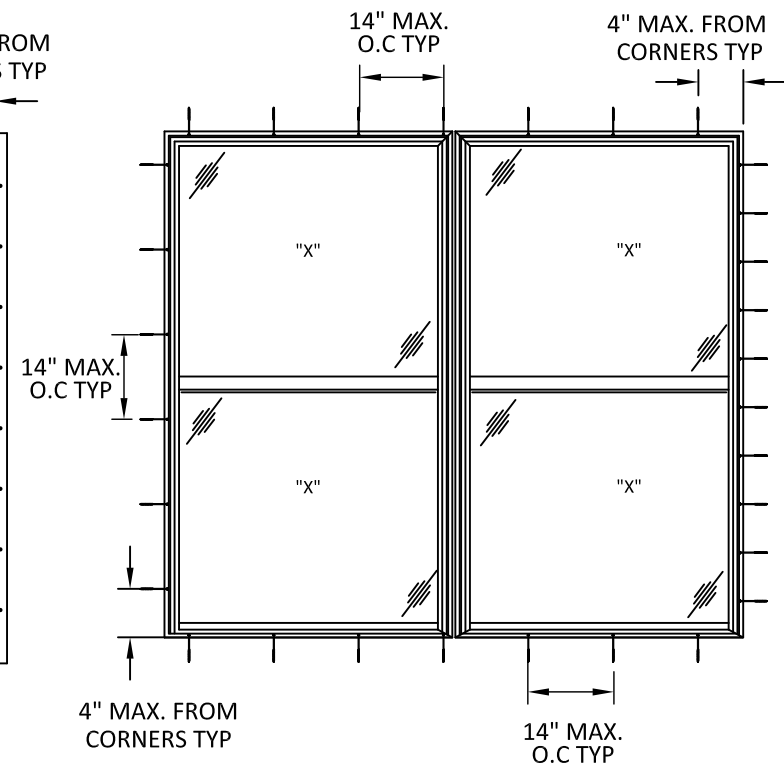
### TYPICAL ELEVATION

NEXT DIMENSION CLASSIC 2-WIDE DOUBLE HUNG



### ANCHOR LAYOUT

NAIL FIN INSTALLATION



### ANCHOR LAYOUT

SCREW OR CLIP INSTALLATION



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ELEVATIONS & ANCHOR LAYOUTS

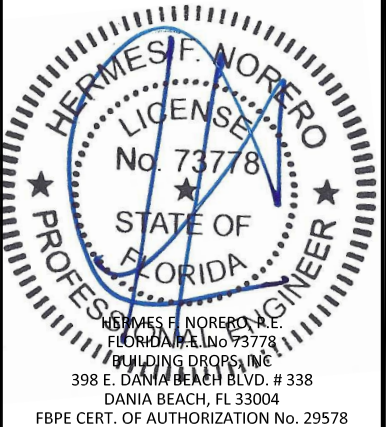
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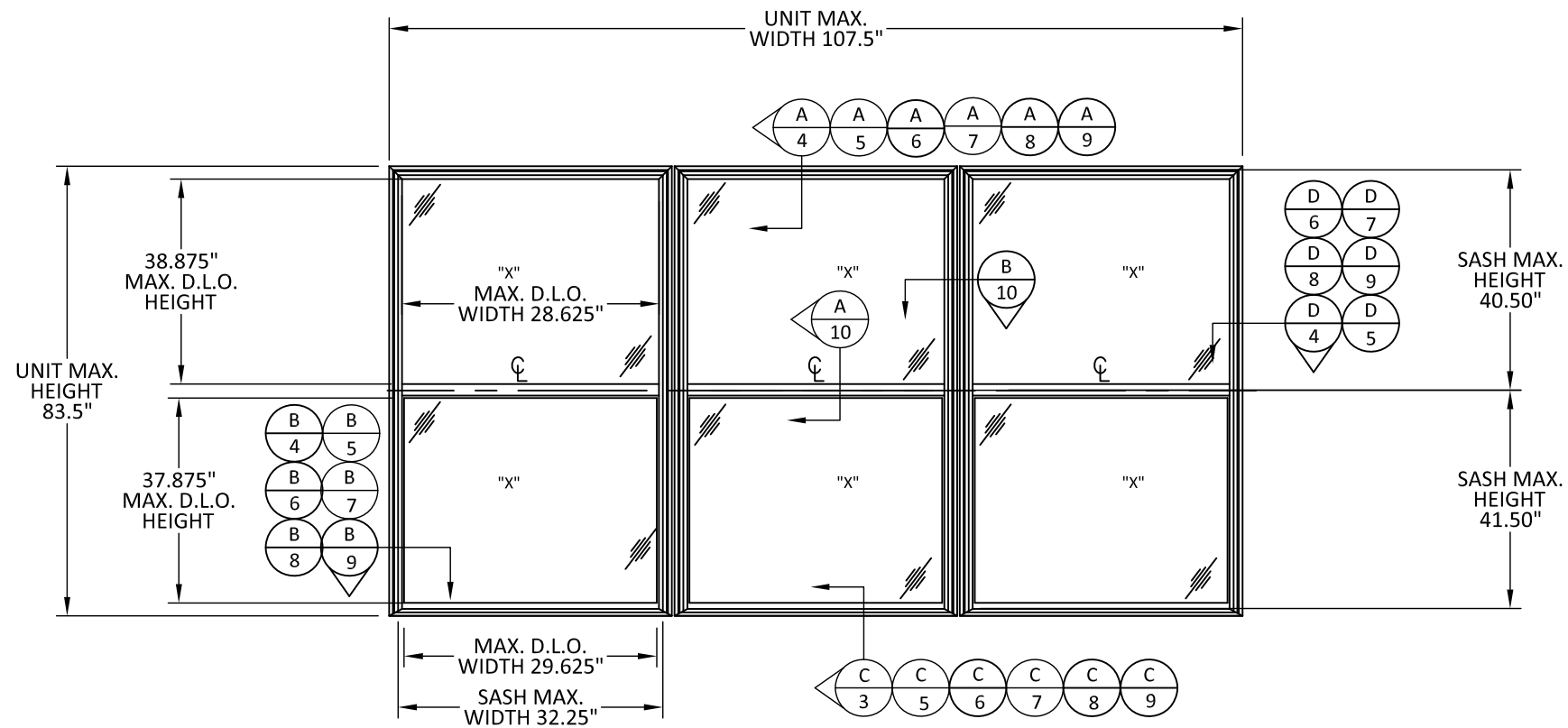
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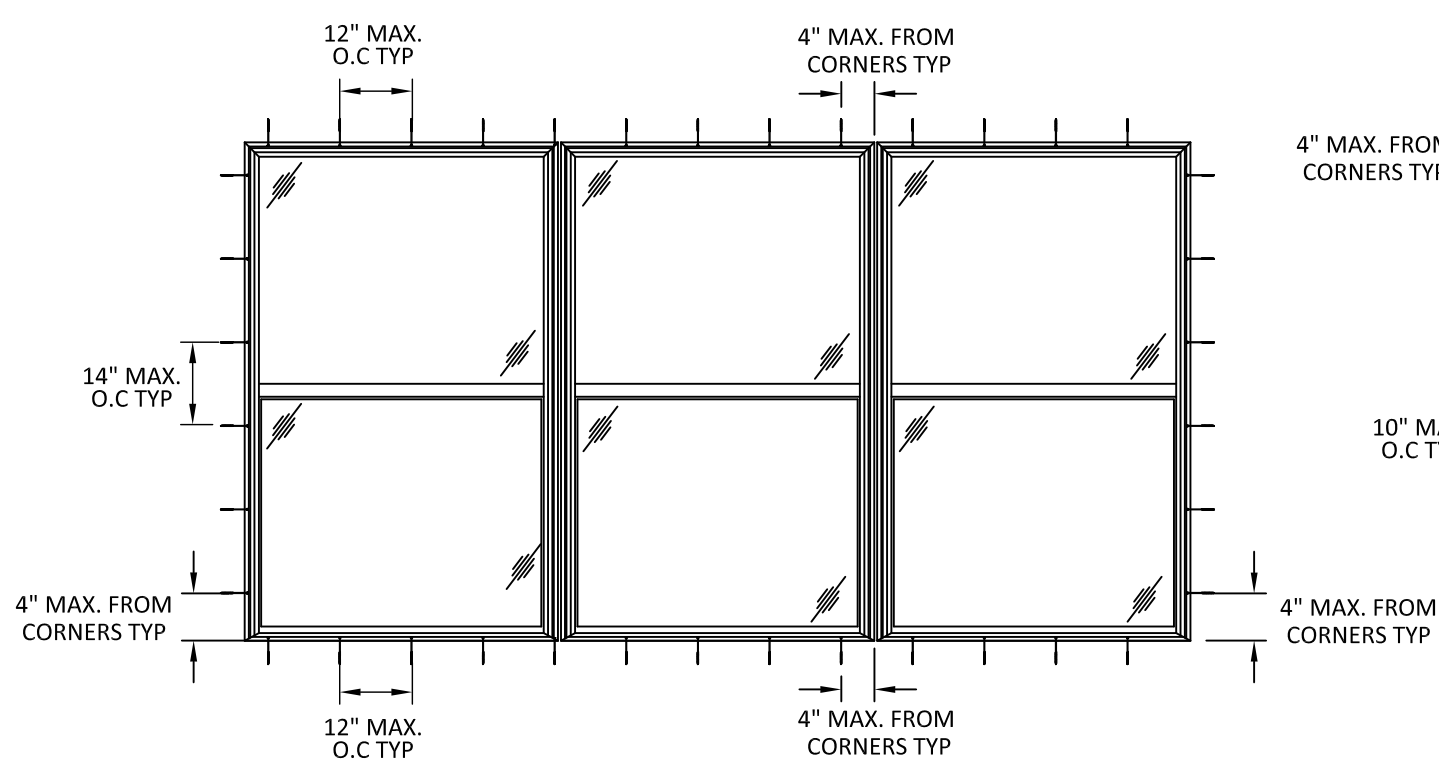
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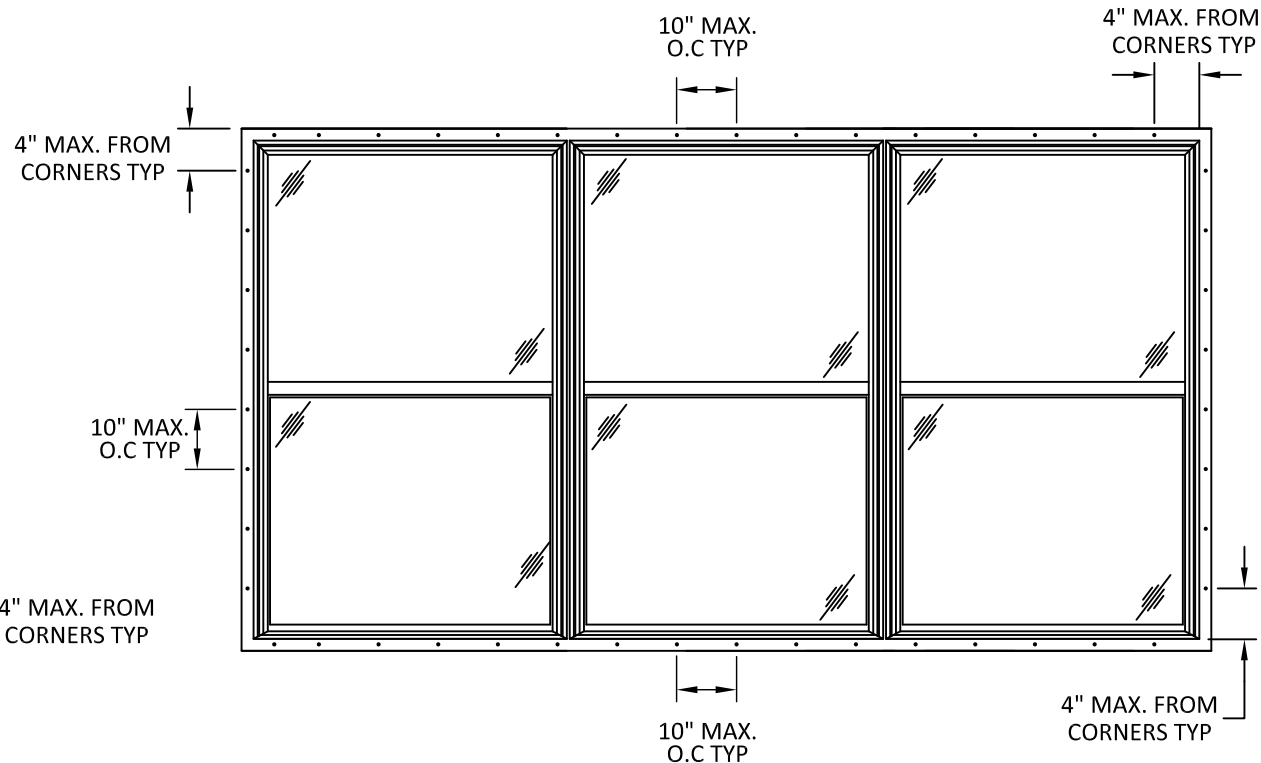
### TYPICAL ELEVATION

NEXT DIMENSION CLASSIC 3-WIDE DOUBLE HUNG



### ANCHOR LAYOUT

SCREW OR CLIP INSTALLATION



### ANCHOR LAYOUT

NAIL FIN INSTALLATION



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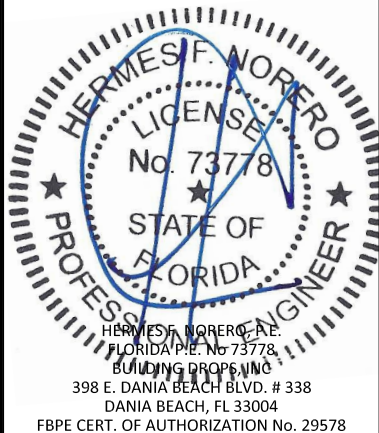
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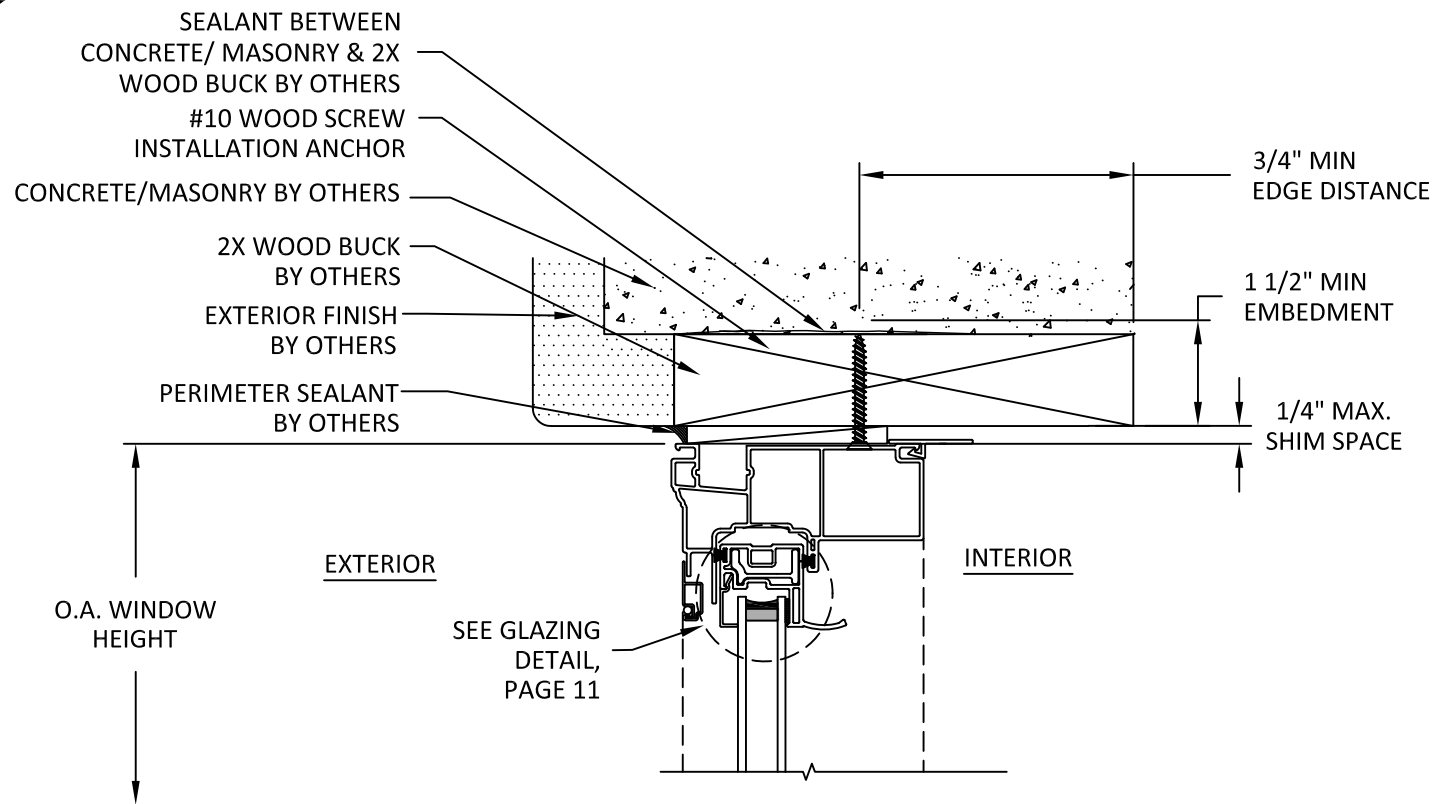
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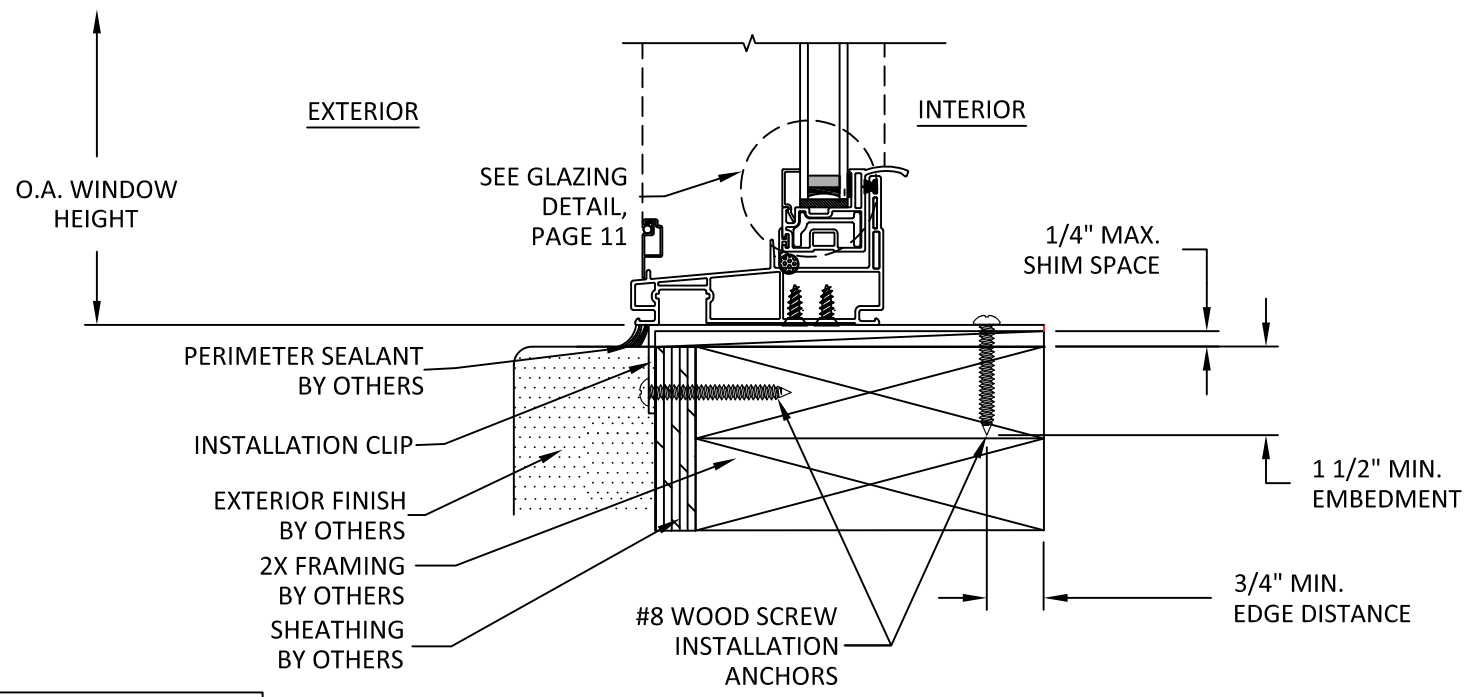
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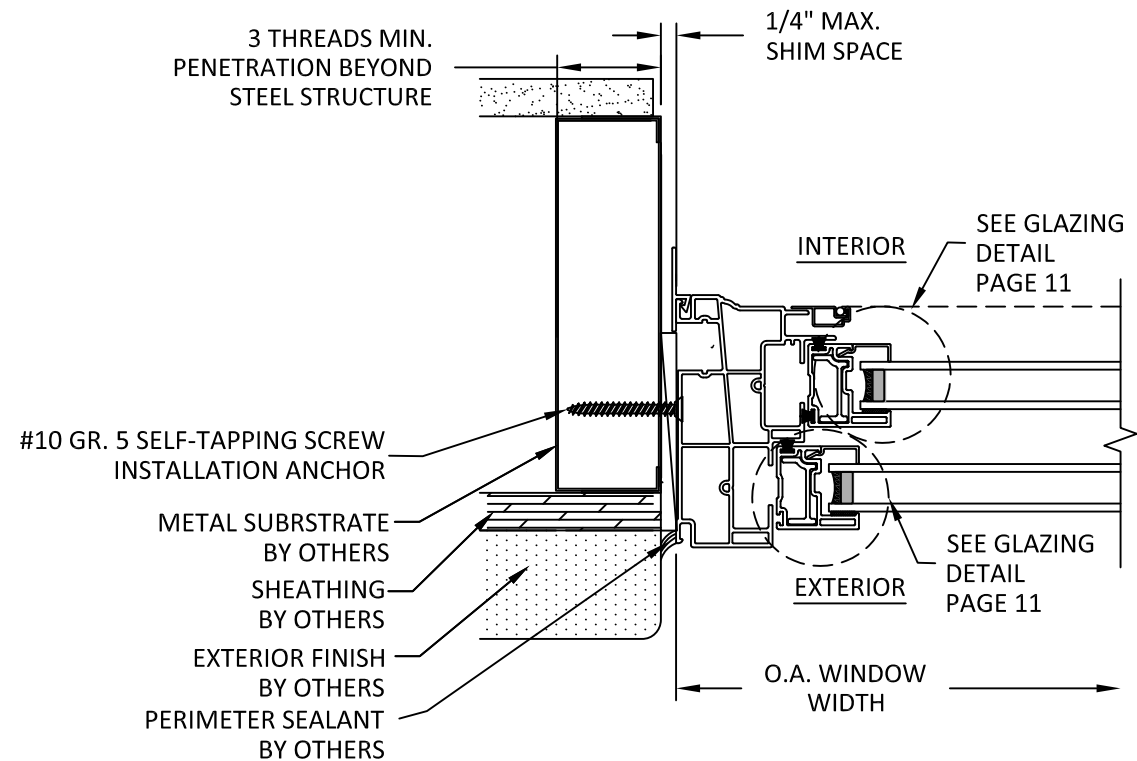
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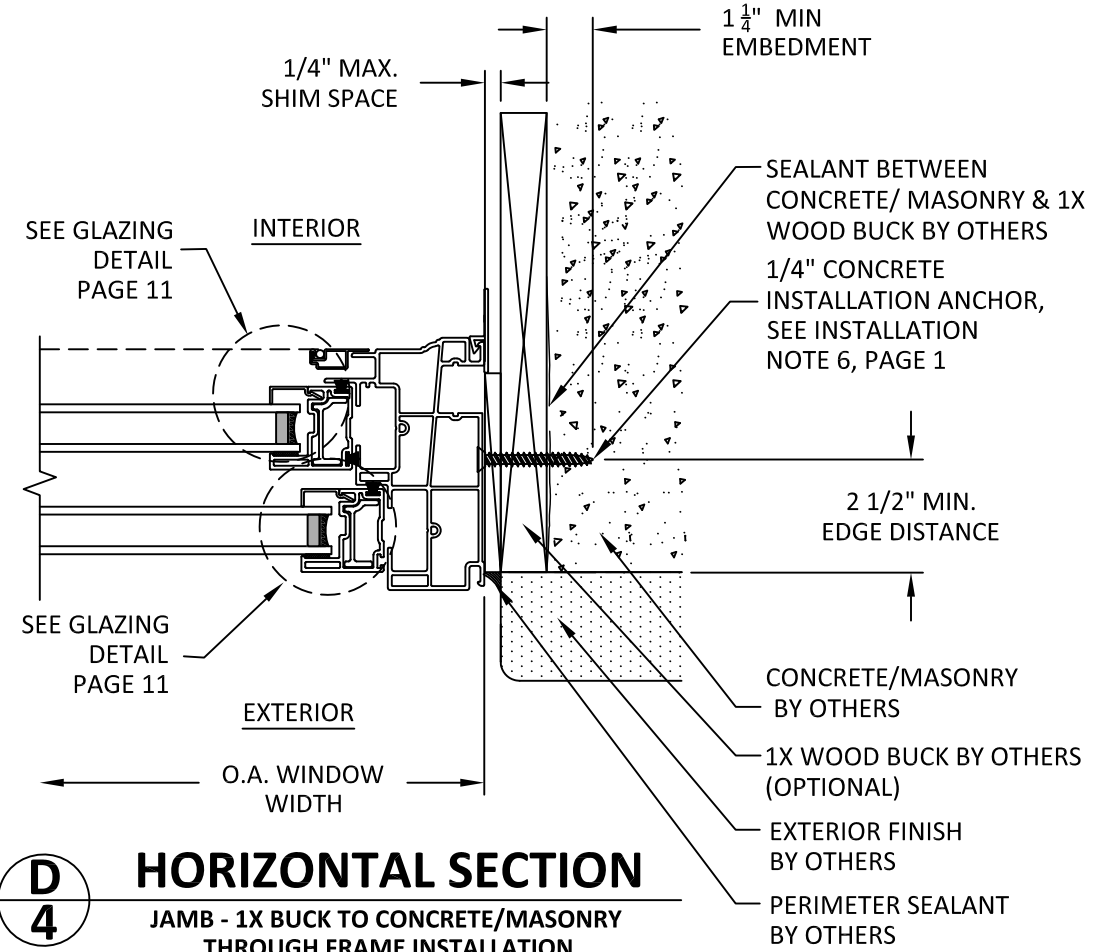
**A**  
**4** **VERTICAL SECTION**  
HEAD - 2X WOOD BUCK  
THROUGH FRAME INSTALLATION



**C**  
**4** **VERTICAL SECTION**  
SILL - 2X FRAMING  
CLIP FRAME INSTALLATION



**B**  
**4** **HORIZONTAL SECTION**  
JAMB - STEEL STUD FRAME  
THROUGH FRAME INSTALLATION



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



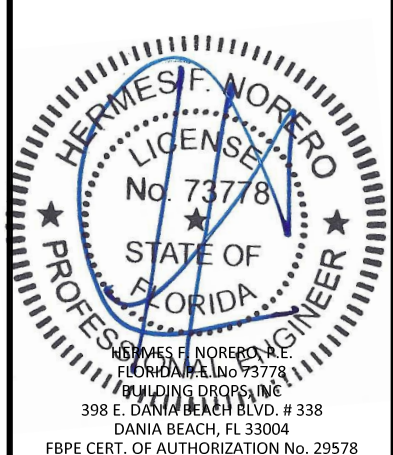
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THROUGH FRAME INSTALLATION SECTIONS  
(BRICKMOULD)

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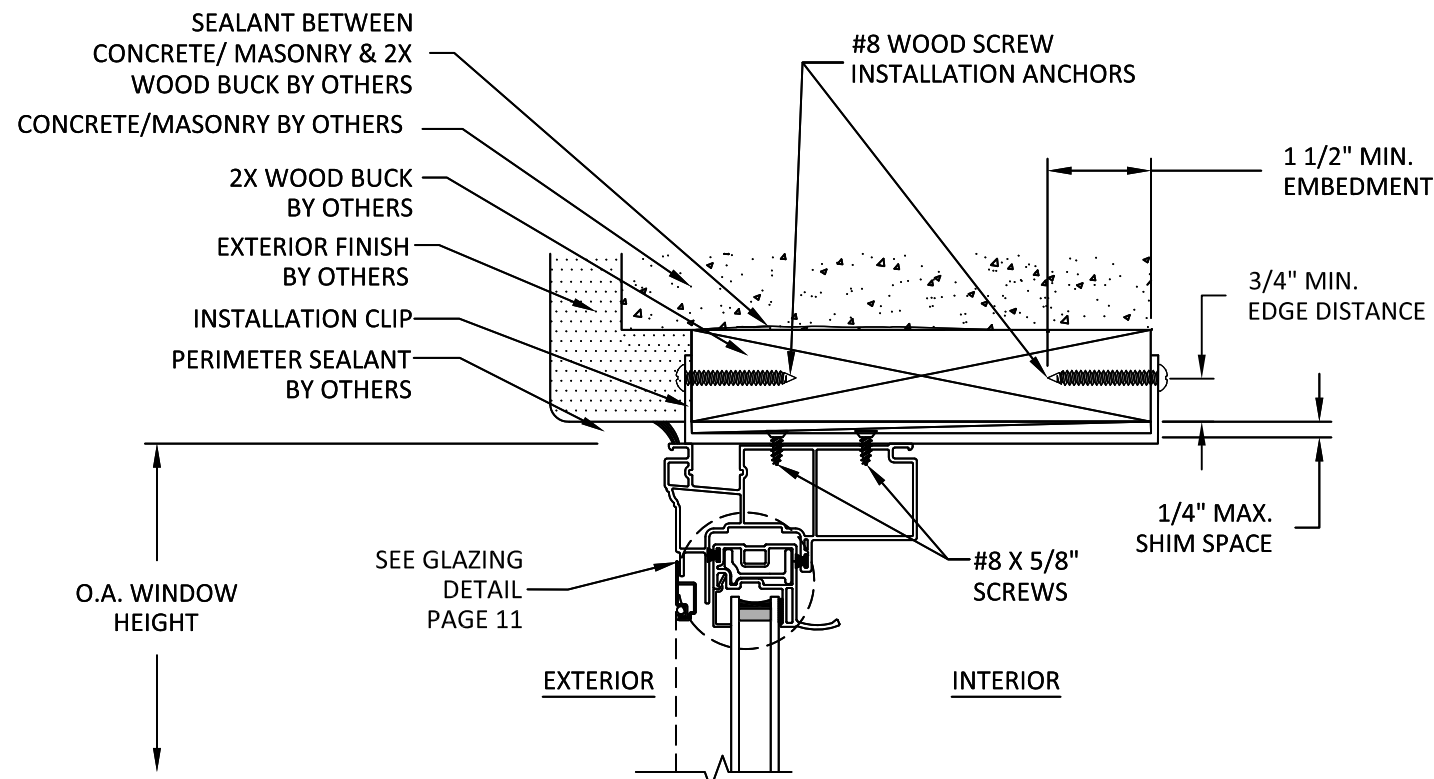
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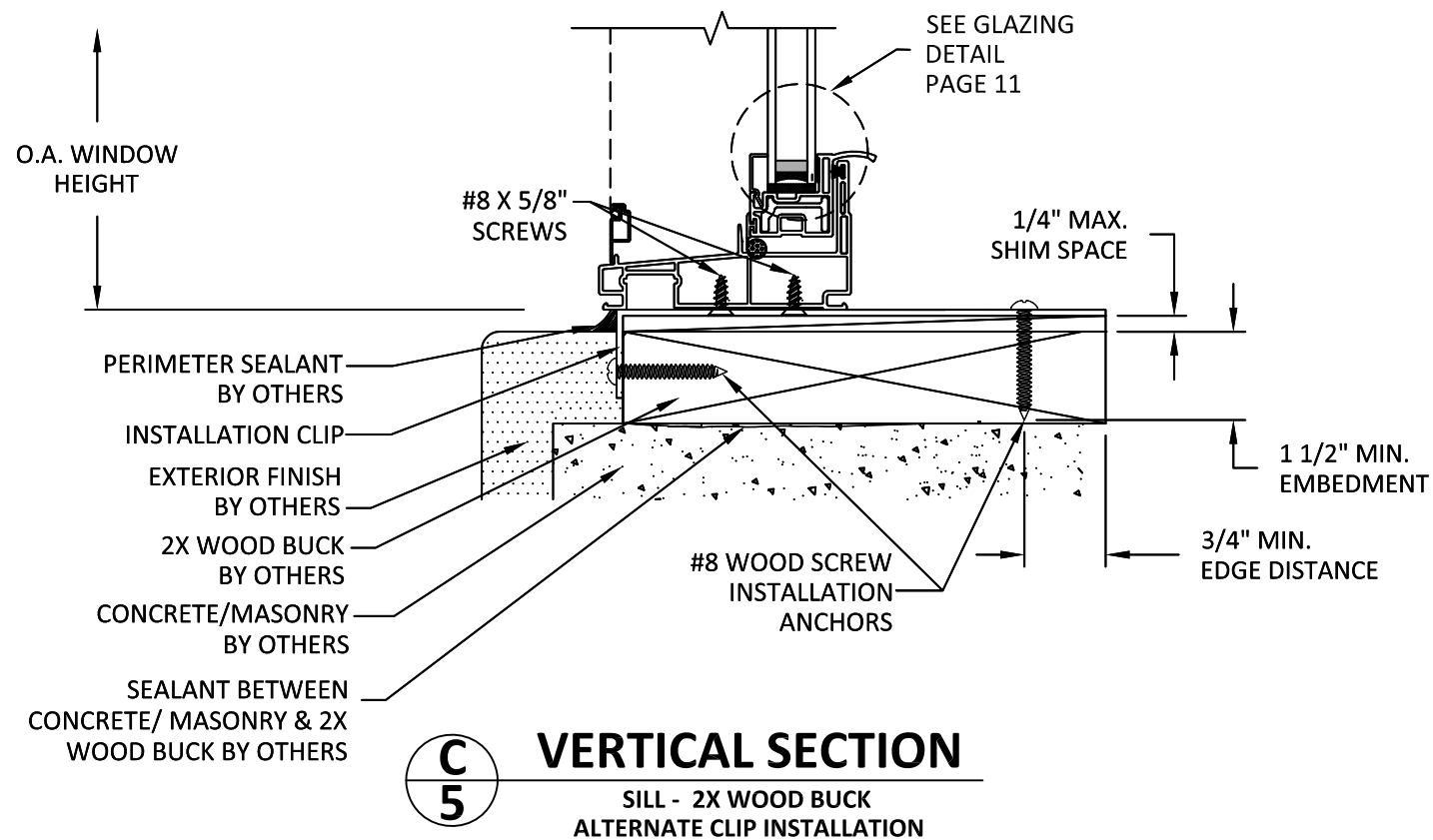
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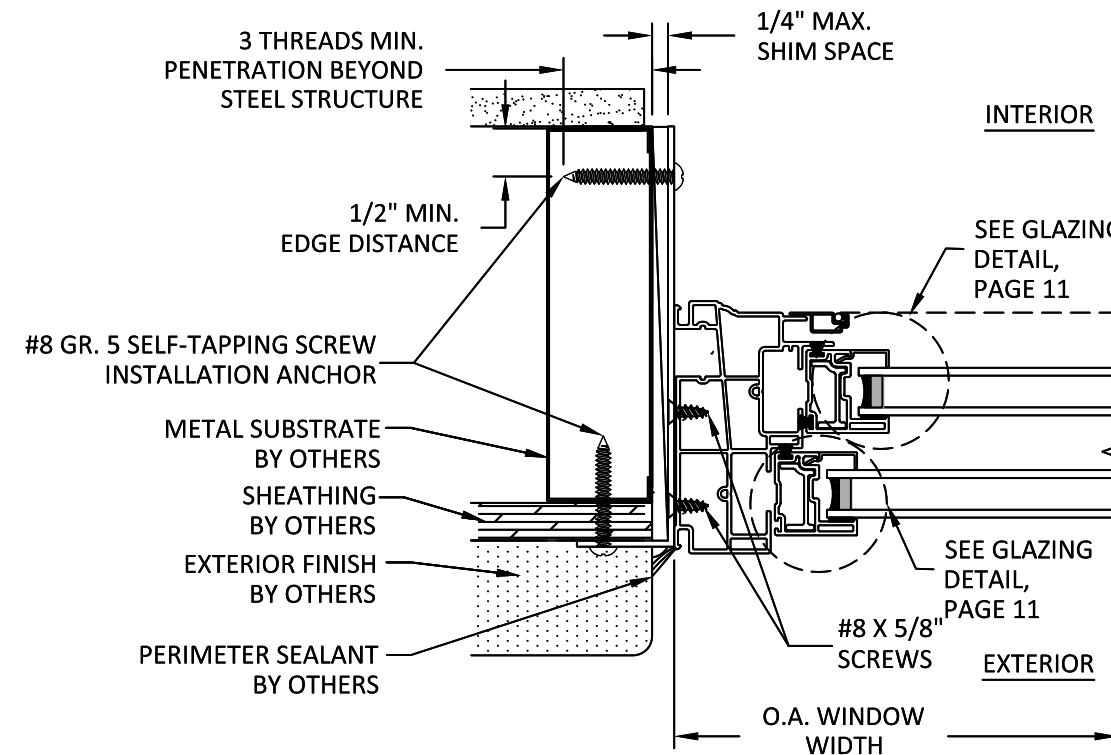
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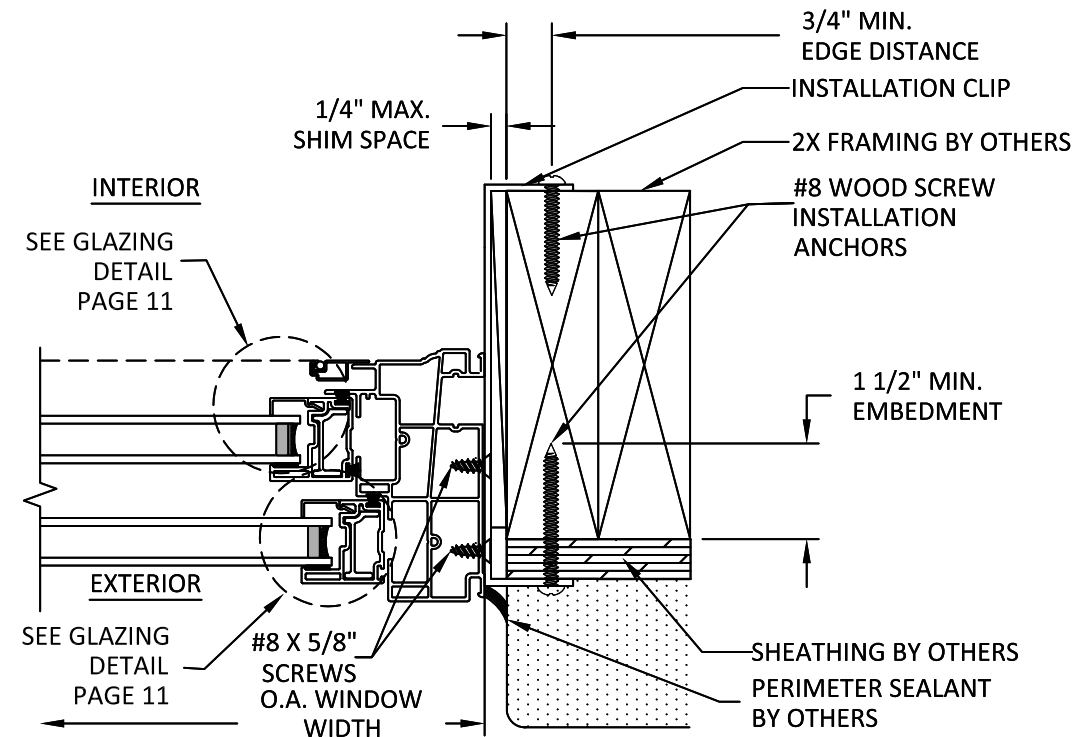
**A**  
**5** VERTICAL SECTION  
HEAD - 2X WOOD BUCK  
STANDARD CLIP INSTALLATION



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



**B**  
**5** HORIZONTAL SECTION  
JAMB - STEEL STUD FRAME  
ALTERNATE CLIP INSTALLATION



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



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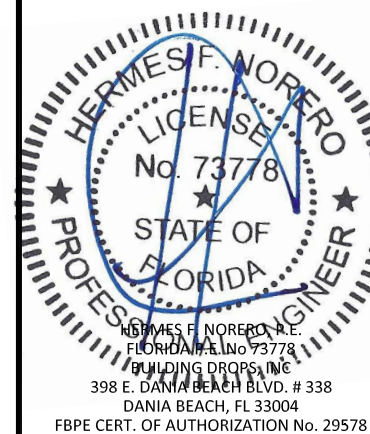
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CLIP INSTALLATION SECTIONS  
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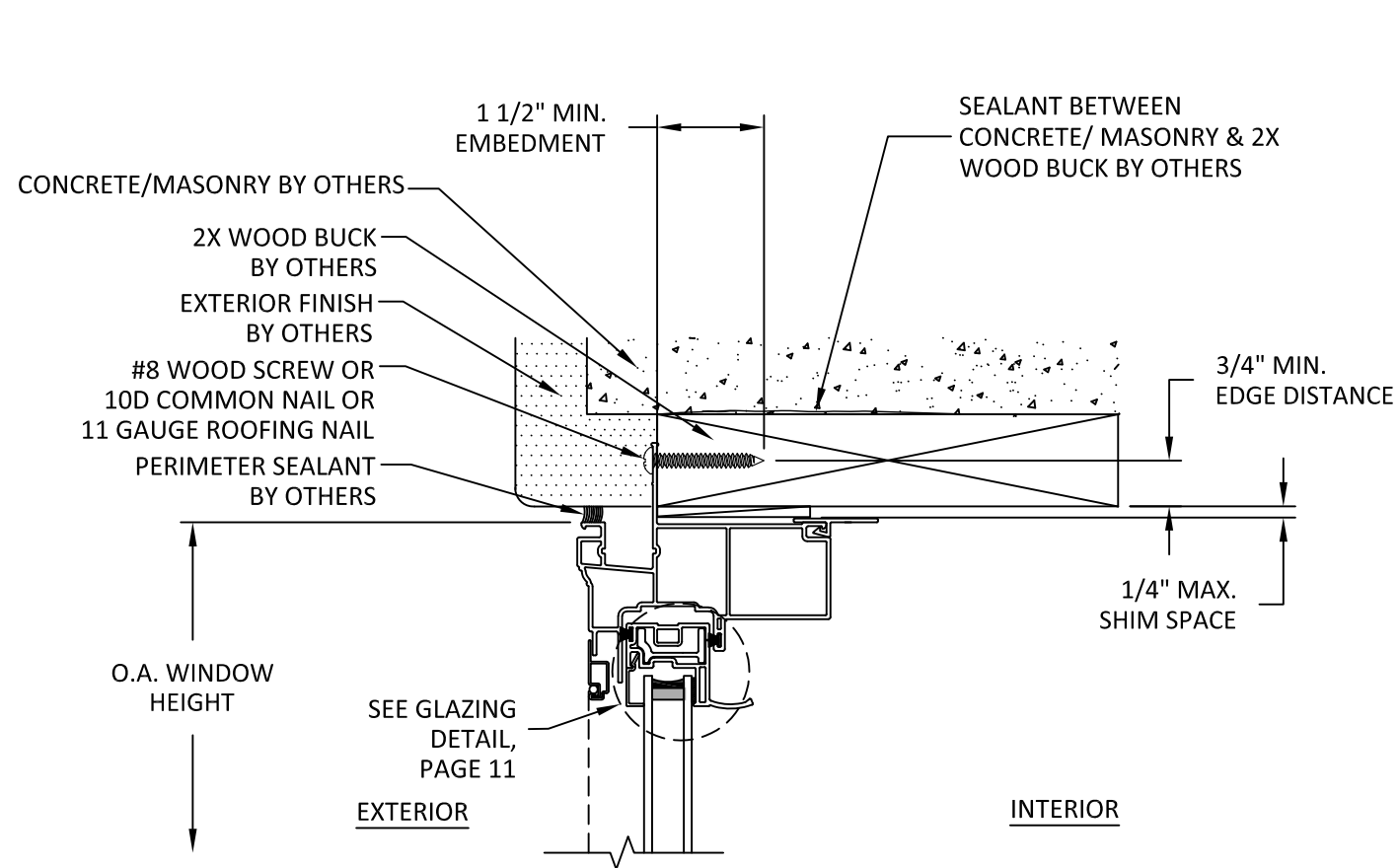
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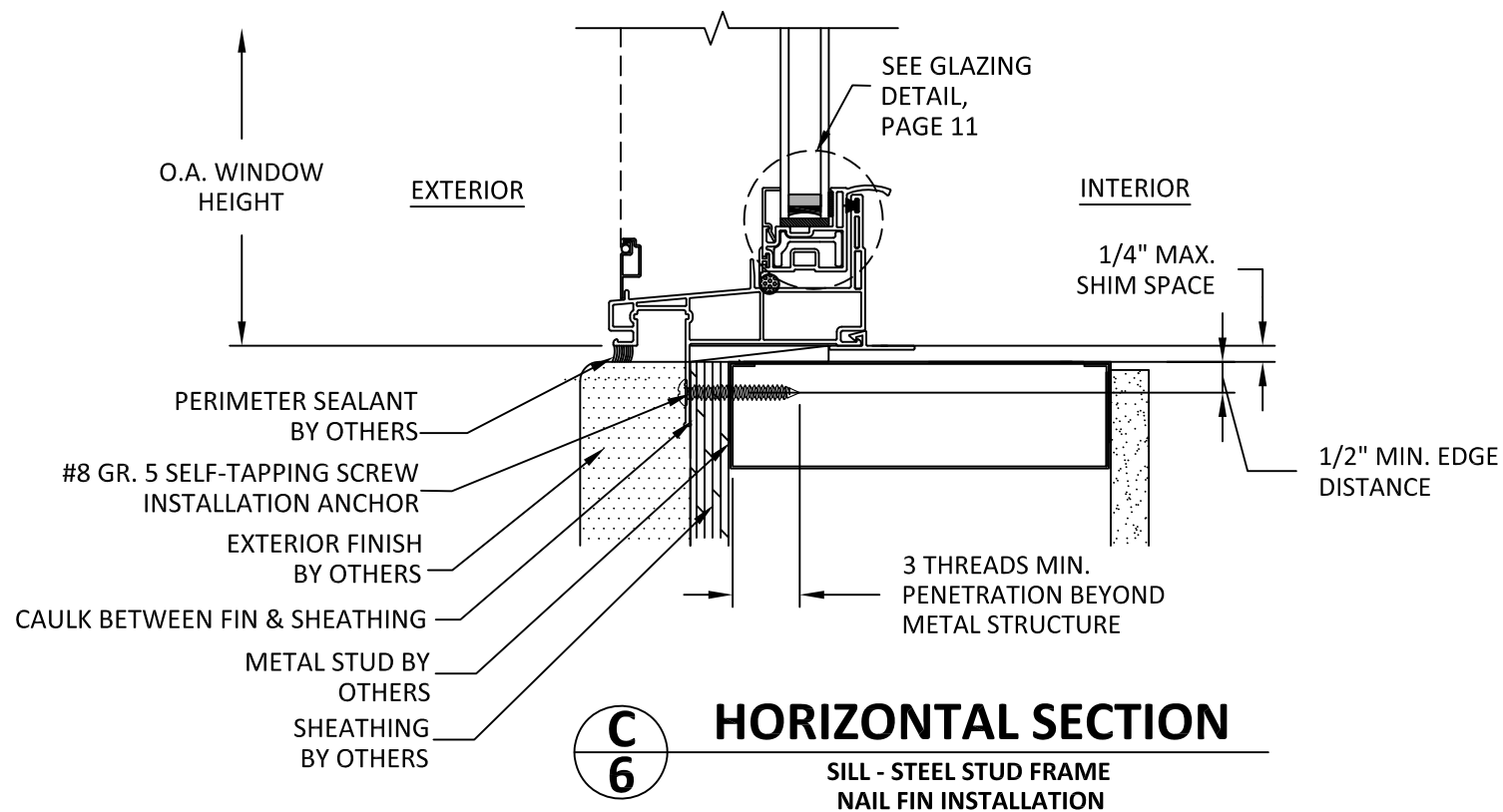
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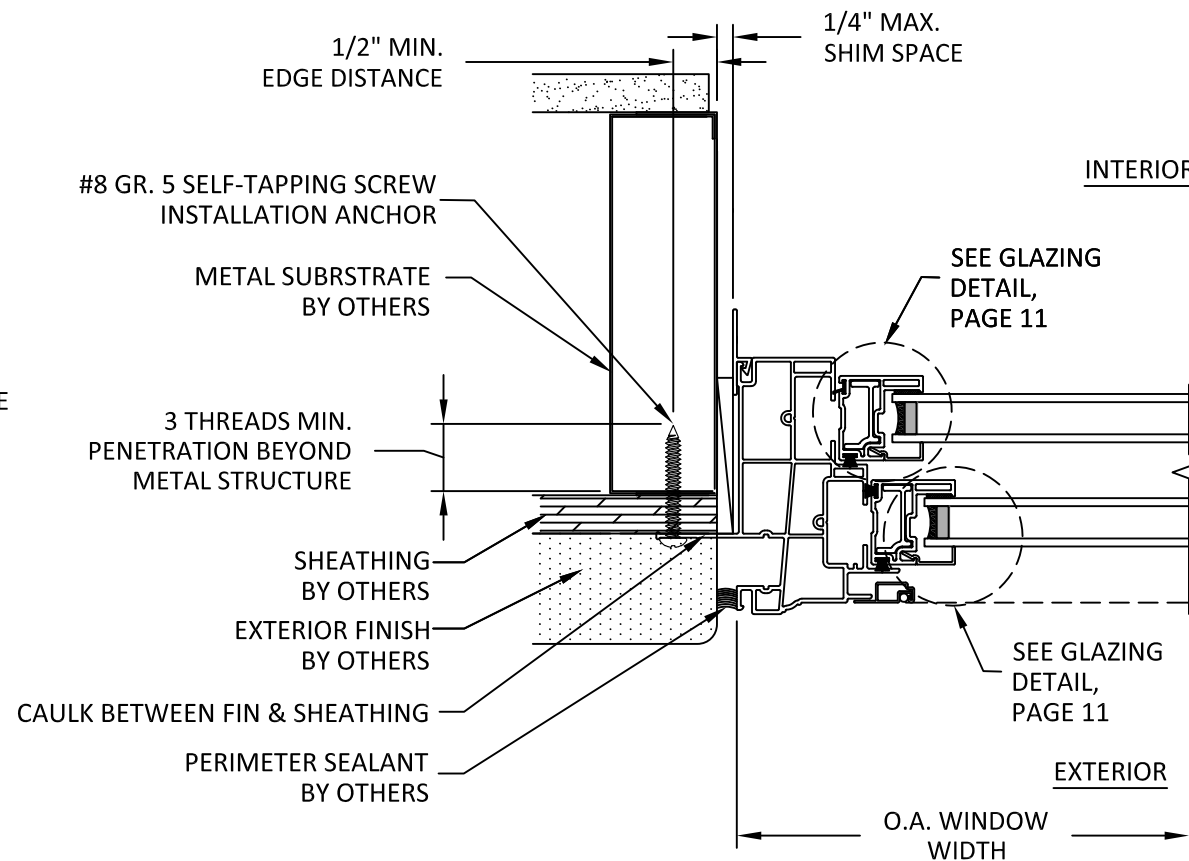
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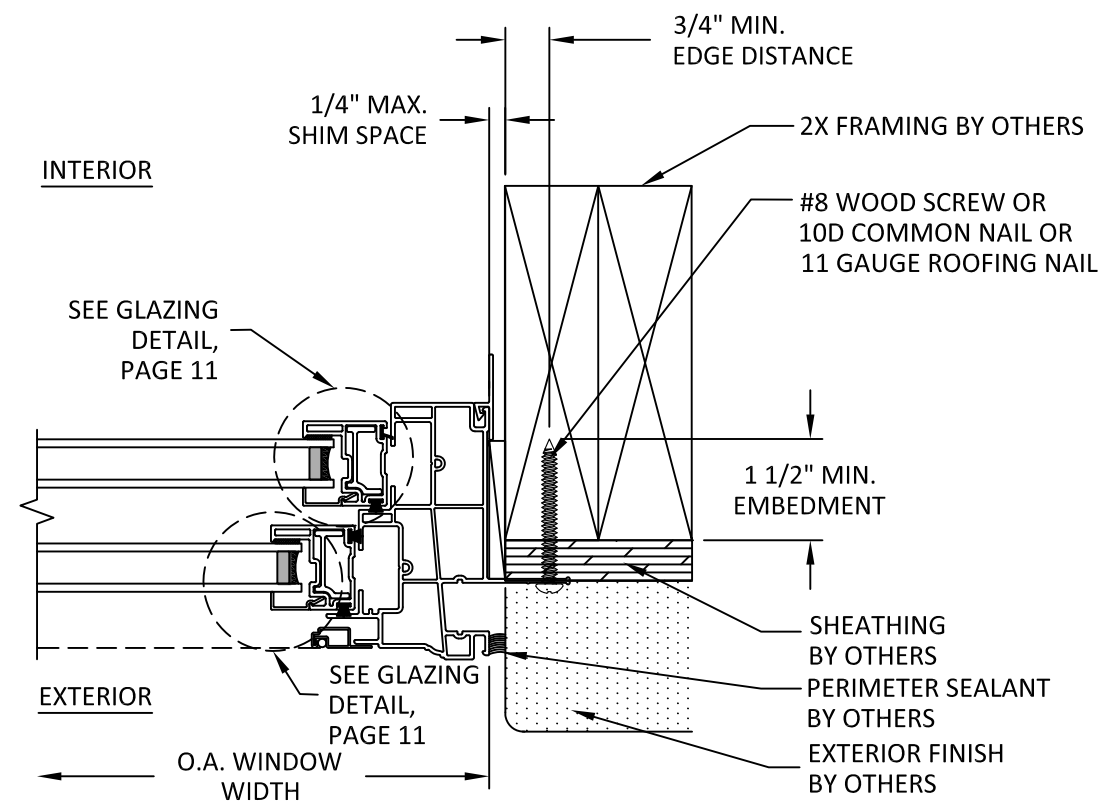
**A**  
**6** **VERTICAL SECTION**  
HEAD - 2X WOOD BUCK  
NAIL FIN INSTALLATION



**C**  
**6** **HORIZONTAL SECTION**  
SILL - STEEL STUD FRAME  
NAIL FIN INSTALLATION



**B**  
**6** **HORIZONTAL SECTION**  
JAMB - STEEL STUD FRAME  
NAIL FIN INSTALLATION



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



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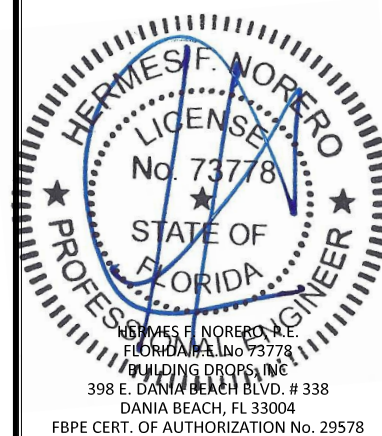
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THROUGH FRAME INSTALLATION SECTIONS  
(NON-BRICKMOULD)

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**FL14878**

DATE: **11.16.20**

DWG. BY: **NUS** CHK. BY: **HFN**

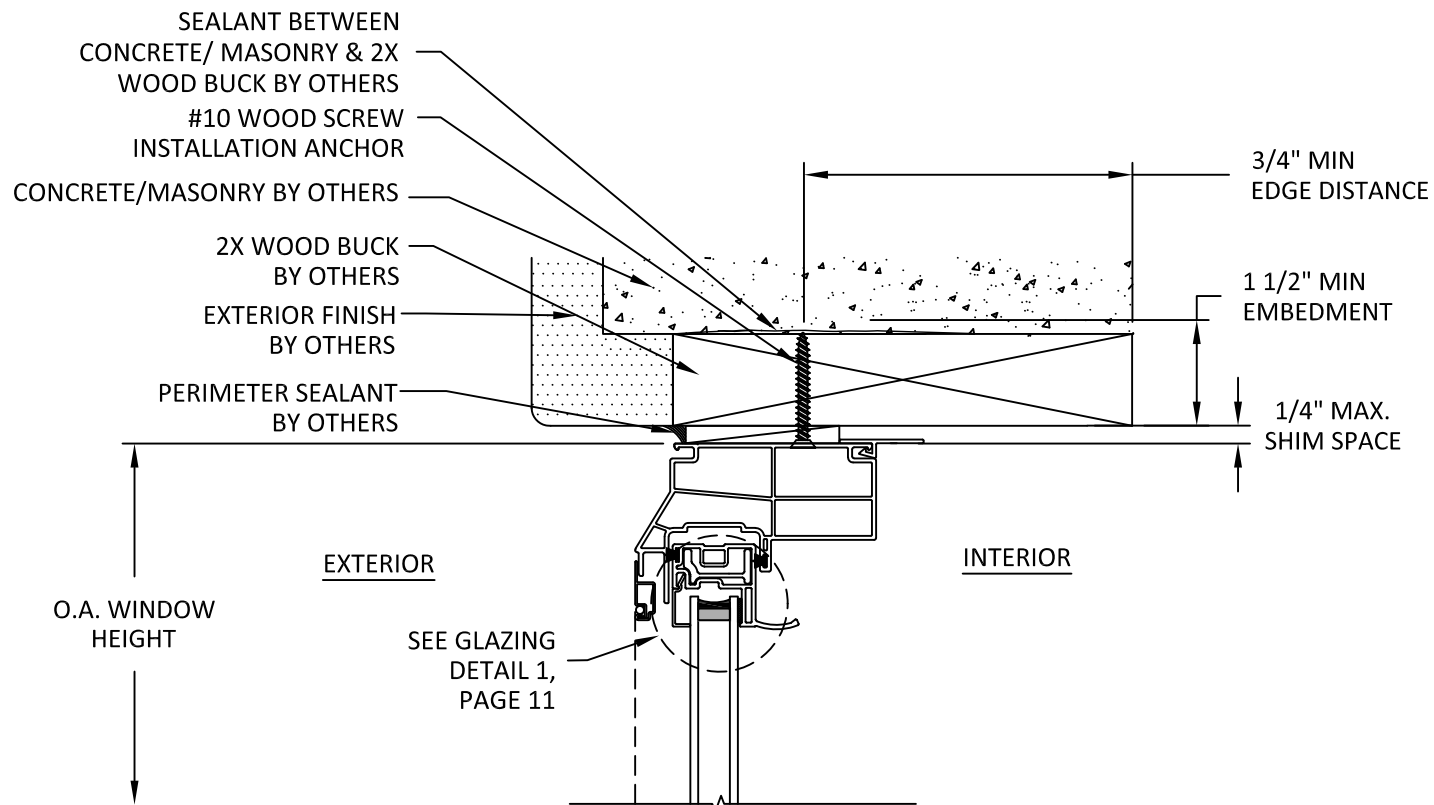
SCALE: **NTS**

DWG. #: **WWD064**

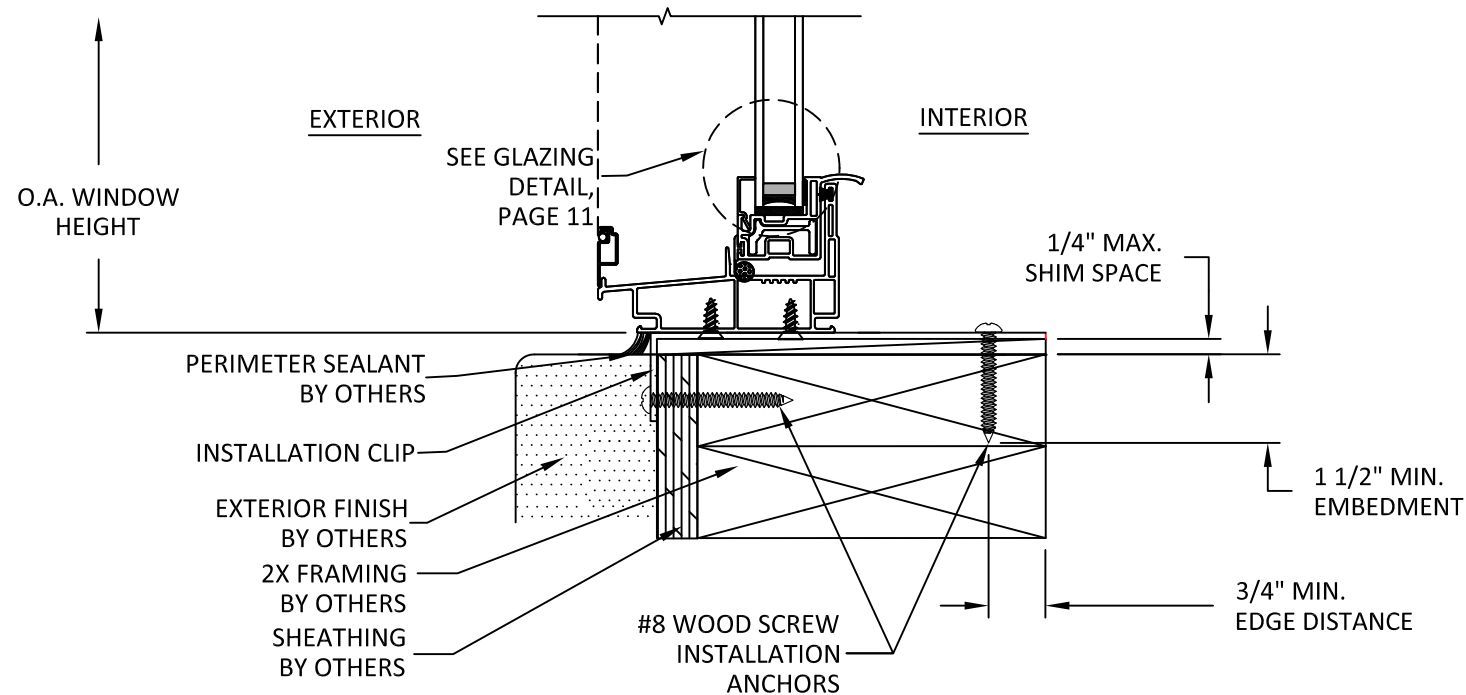
SHEET:

**7**

OF 11

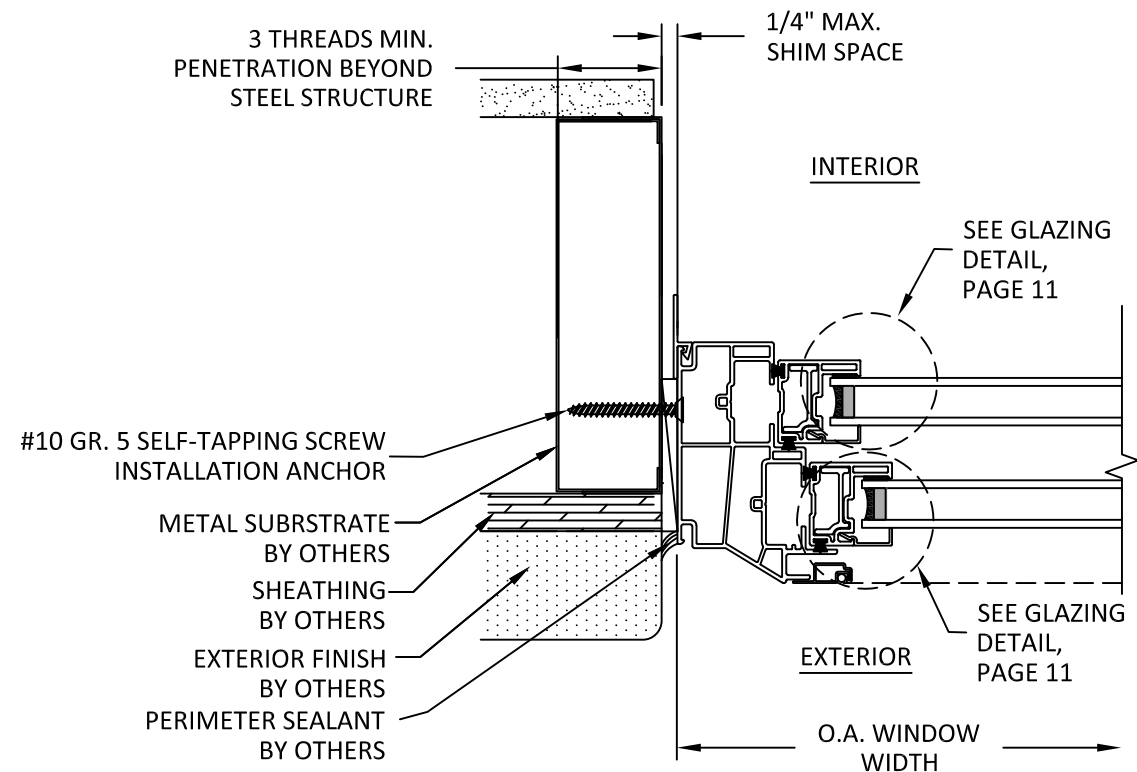


**A**  
**7** **VERTICAL SECTION**  
HEAD - 2X WOOD BUCK  
THROUGH FRAME INSTALLATION

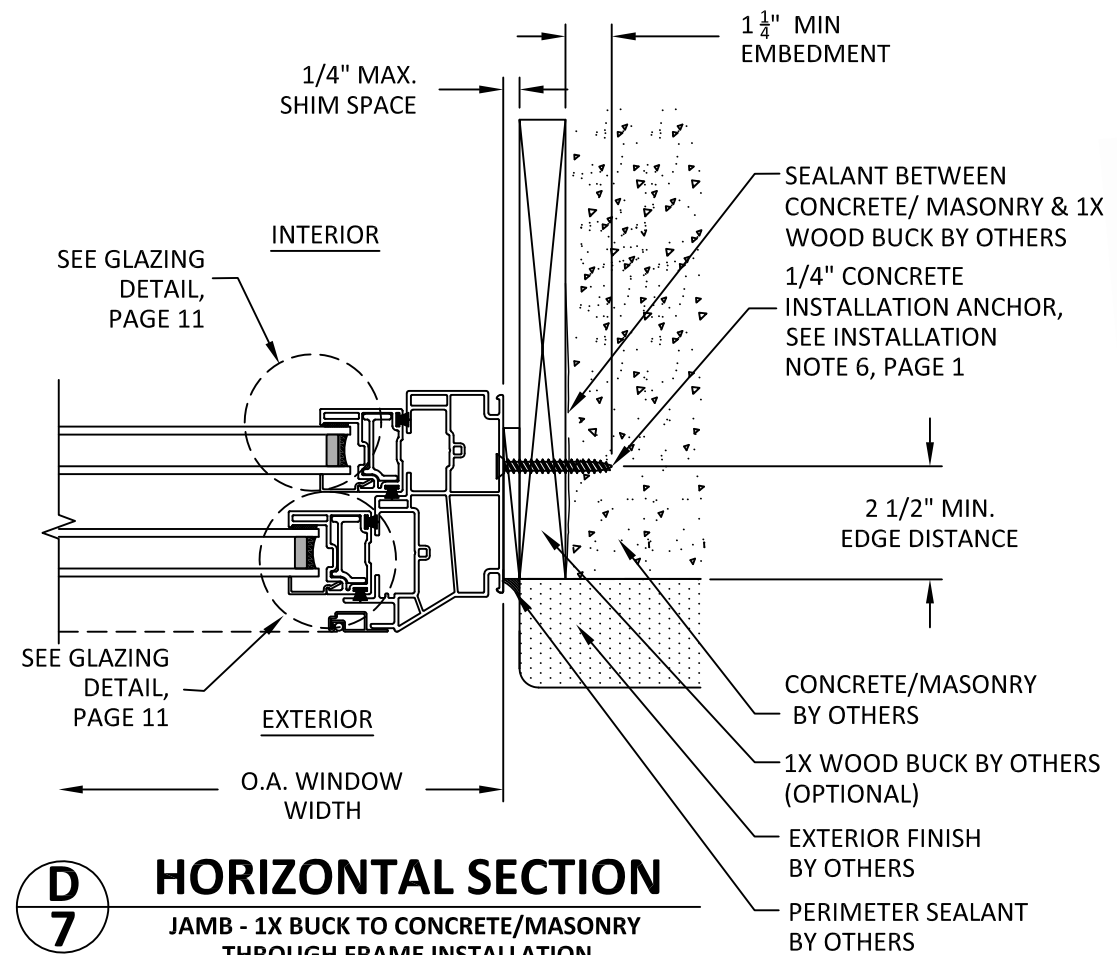


**C**  
**7** **VERTICAL SECTION**  
SILL - 2X FRAMING  
CLIP FRAME INSTALLATION

NOTE:  
INSTALLATION AT SILL SHALL USE  
CLIPS. THROUGH FRAME  
INSTALLATION NOT PERMITTED.



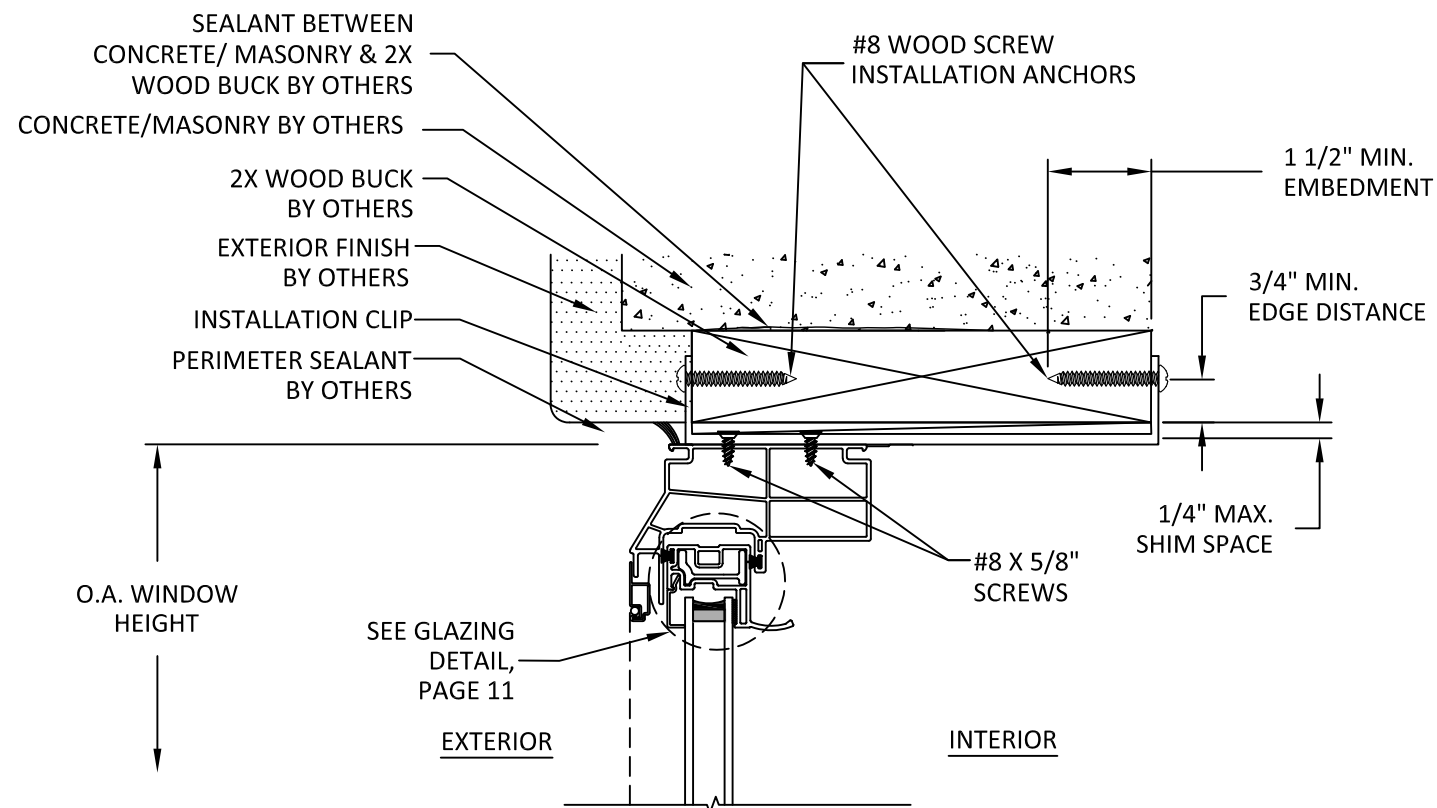
**B**  
**7** **HORIZONTAL SECTION**  
JAMB - STEEL STUD FRAME  
THROUGH FRAME INSTALLATION



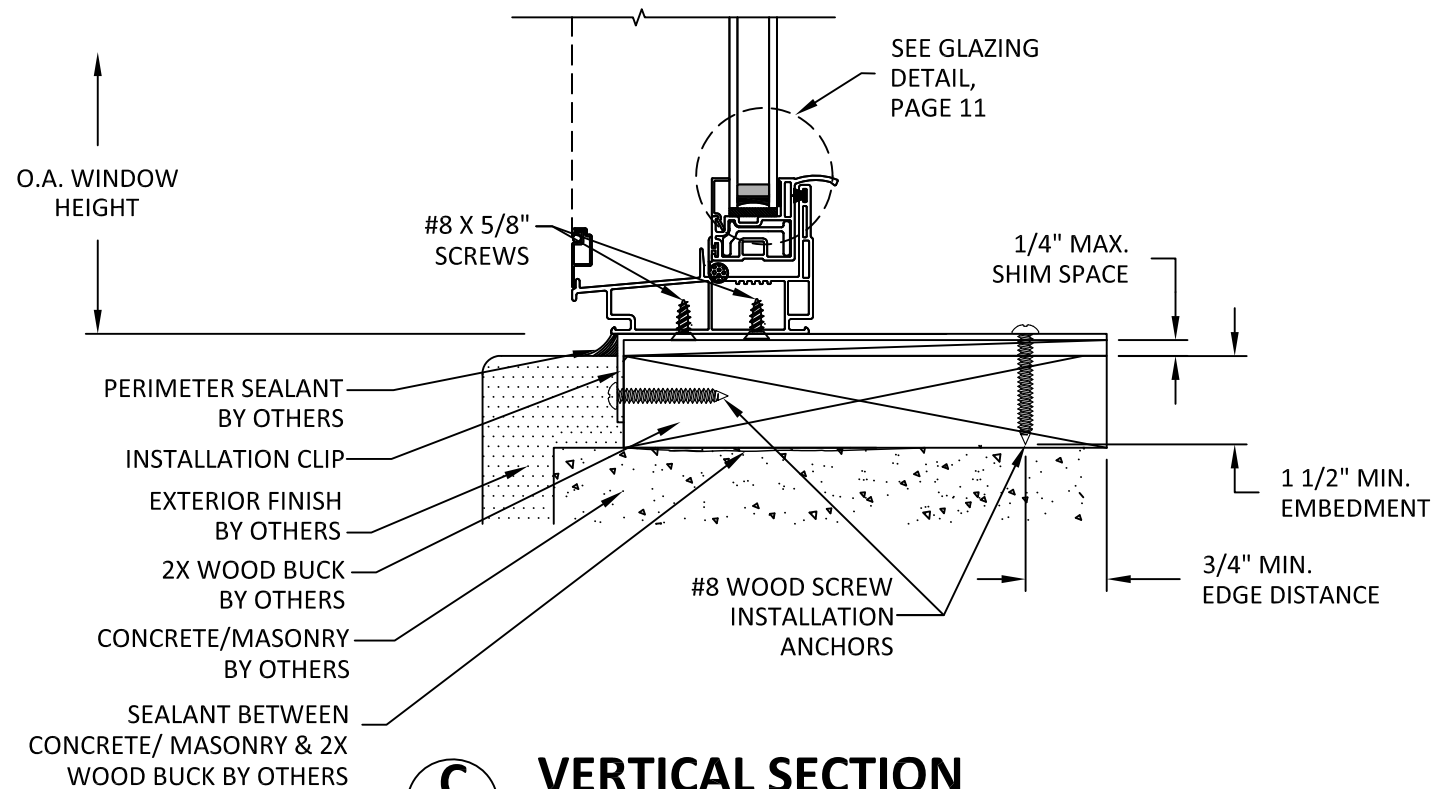
**D**  
**7** **HORIZONTAL SECTION**  
JAMB - 1X BUCK TO CONCRETE/MASONRY  
THROUGH FRAME INSTALLATION

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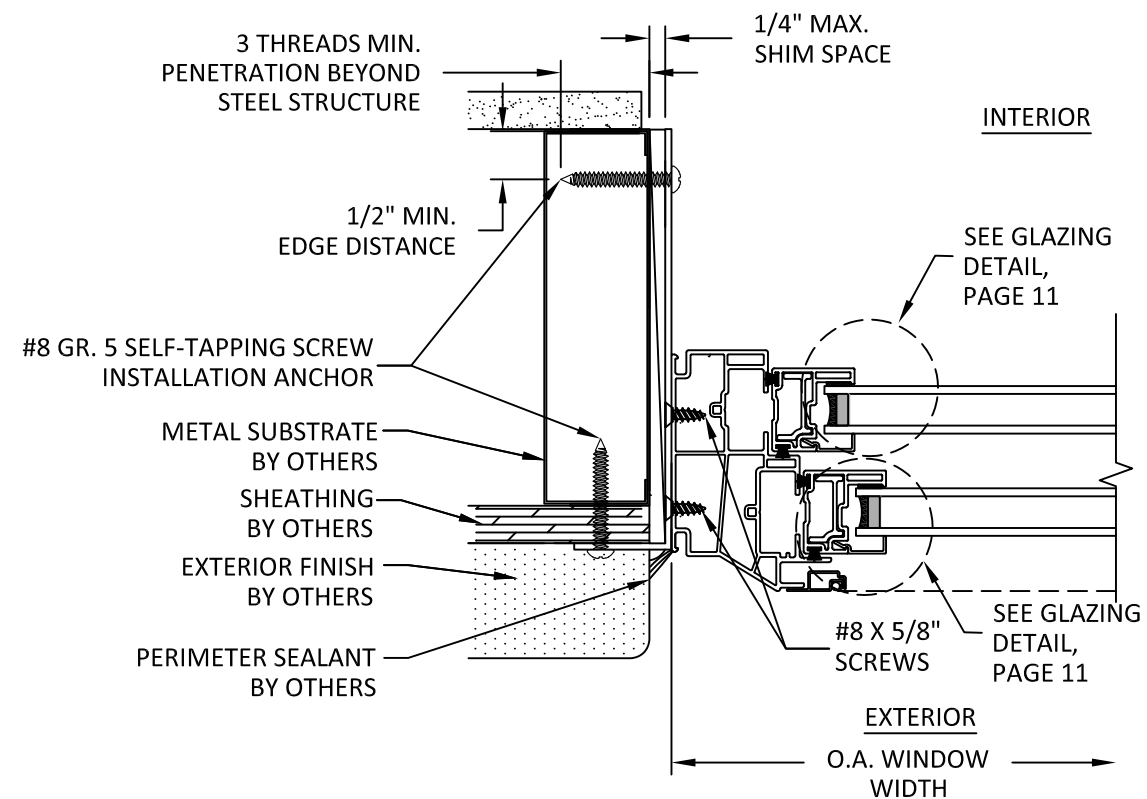
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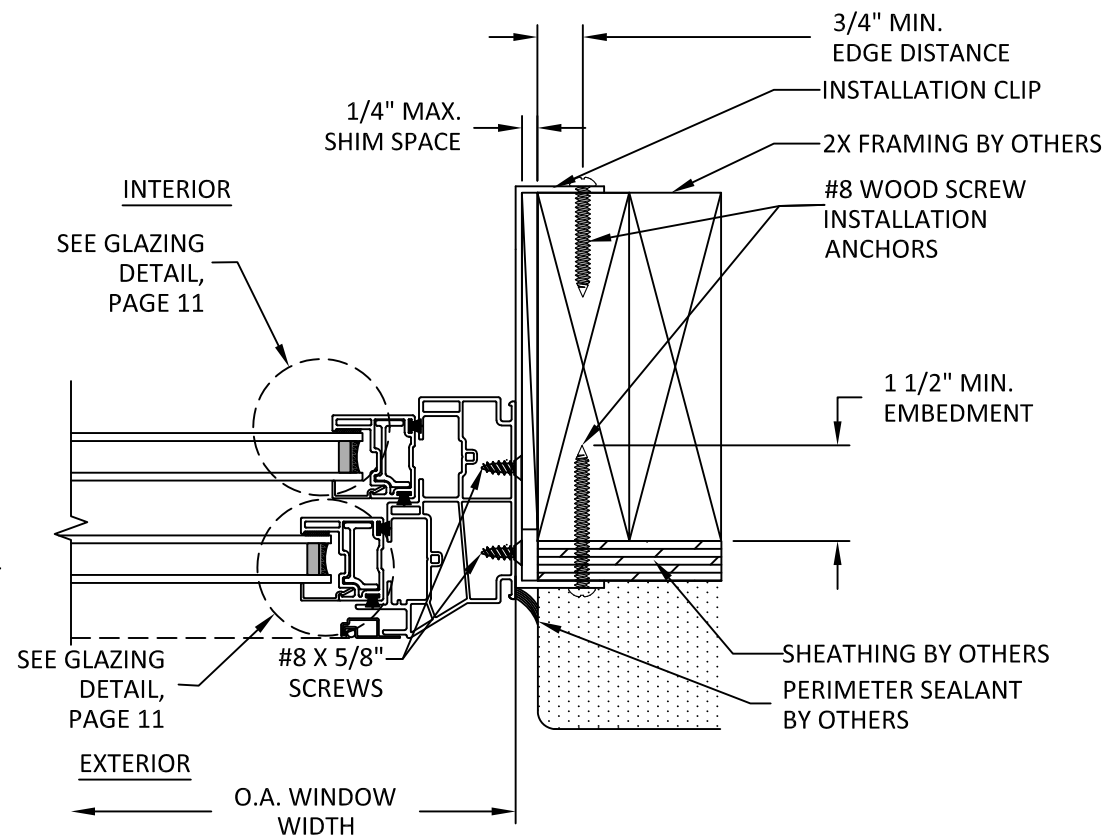
**A**  
**8**  
**VERTICAL SECTION**  
HEAD - 2X WOOD BUCK  
STANDARD CLIP INSTALLATION



**C**  
**8**  
**VERTICAL SECTION**  
SILL - 2X WOOD BUCK  
ALTERNATE CLIP INSTALLATION



**B**  
**8**  
**HORIZONTAL SECTION**  
JAMB - STEEL STUD FRAME  
ALTERNATE CLIP INSTALLATION



**D**  
**8**  
**HORIZONTAL SECTION**  
JAMB - 2X FRAMING  
STANDARD CLIP INSTALLATION



**WINDSOR WINDOWS  
& DOORS**

900 S. 19TH STREET.  
WEST DES MOINES, IA 50265  
PH: (515)223-6660 FAX: (515)224-1938

TITLE: NEXT DIMENSION  
CLASSIC DOUBLE HUNG  
(NON-HVHZ)(NON-IMPACT)

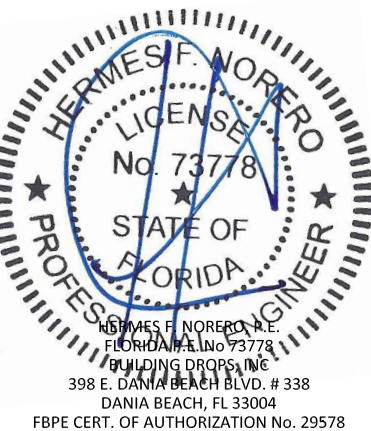
CLIP INSTALLATION SECTIONS  
(NON-BRICKMOULD)

PREPARED BY:  
**BUILDING DROPS, INC.**  
398 E. DANIA BEACH BLVD., STE. 338  
DANIA BEACH, FL 33004  
PH: (954)399-8478  
FAX: (954)744-4738  
WEB: www.buildingdrops.com



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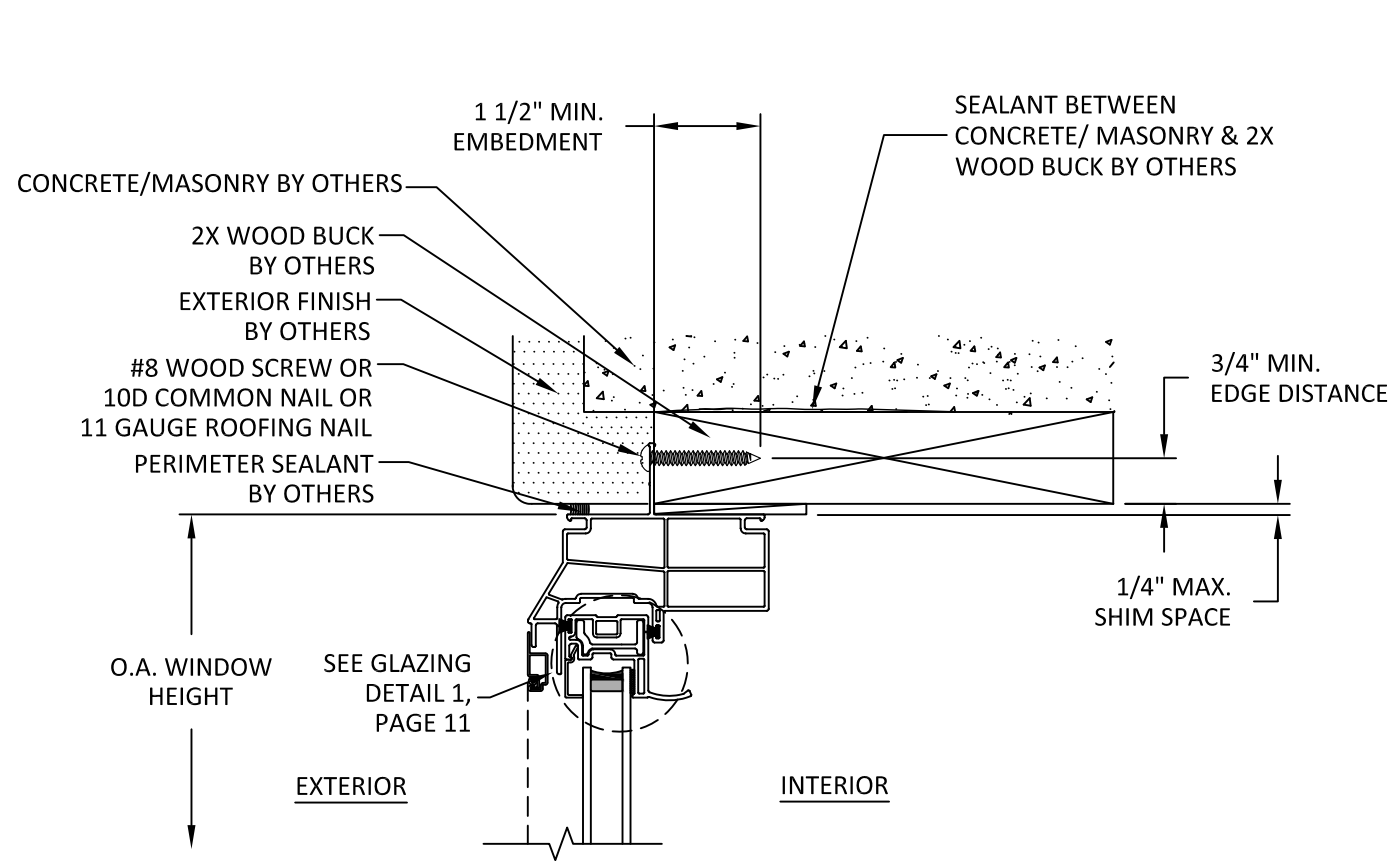
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**8**

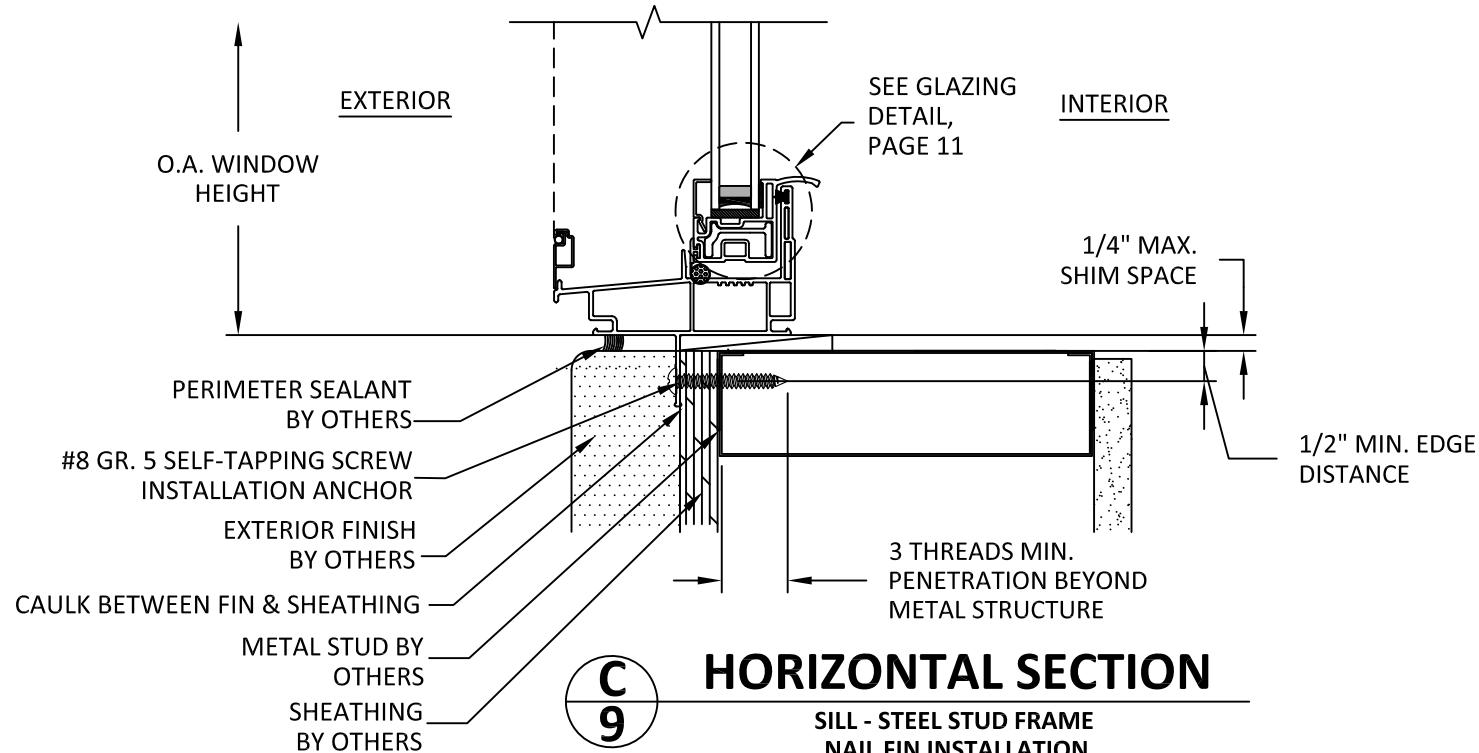
OF 11

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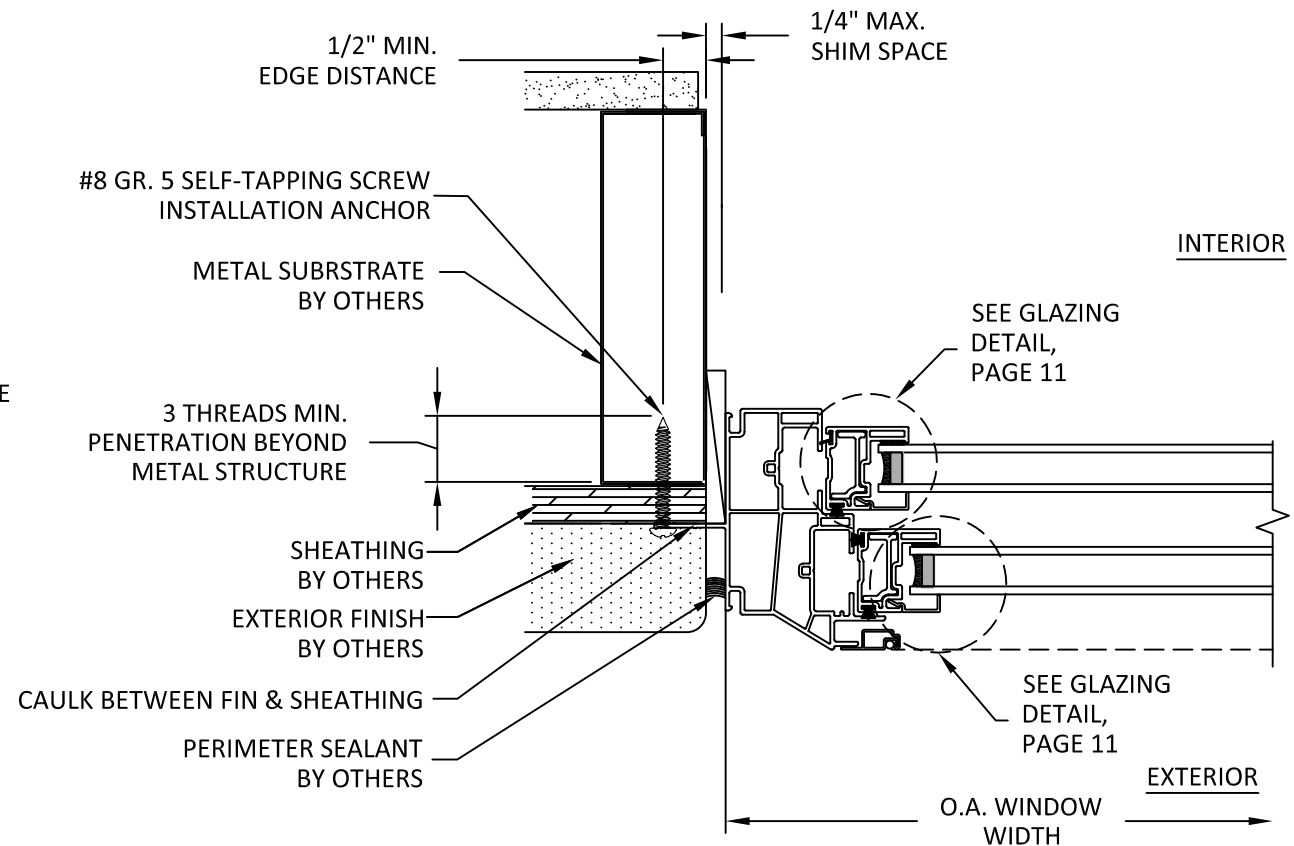
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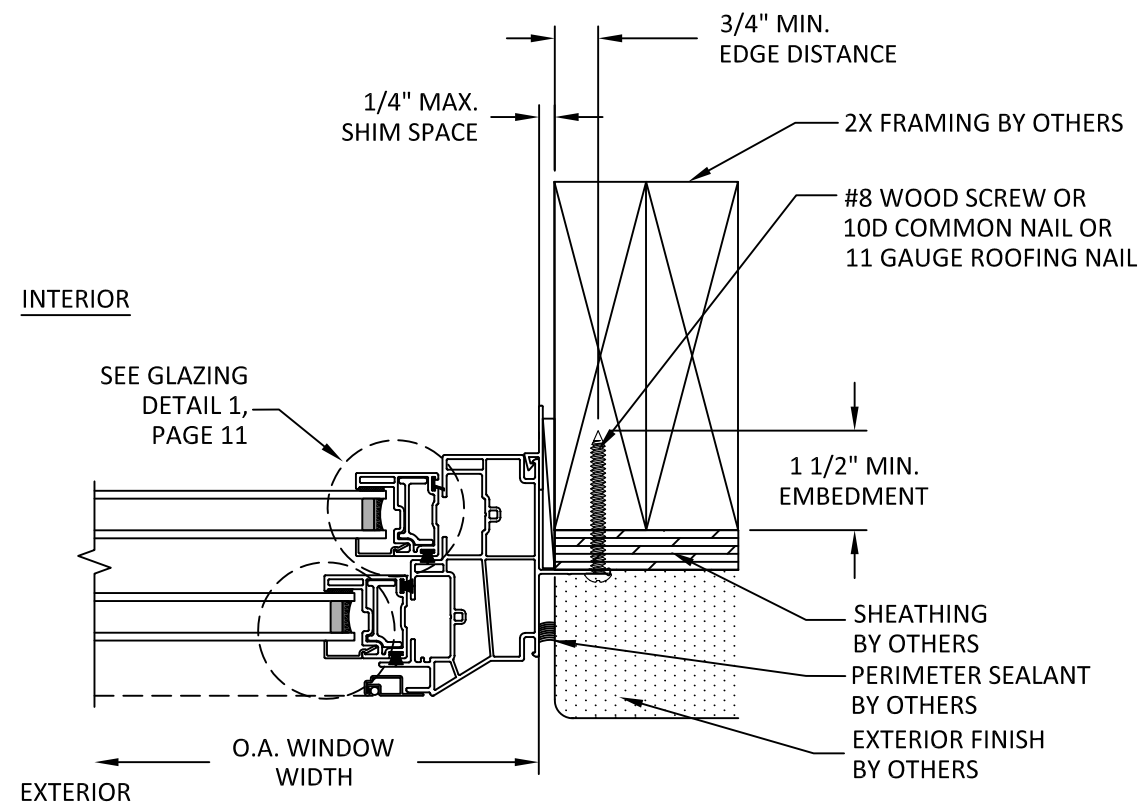
**A**  
**9** **VERTICAL SECTION**  
**HEAD - 2X WOOD BUCK**  
**NAIL FIN INSTALLATION**



**C**  
**9** **HORIZONTAL SECTION**  
**SILL - STEEL STUD FRAME**  
**NAIL FIN INSTALLATION**



**B**  
**9** **HORIZONTAL SECTION**  
**JAMB - STEEL STUD FRAME**  
**NAIL FIN INSTALLATION**



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



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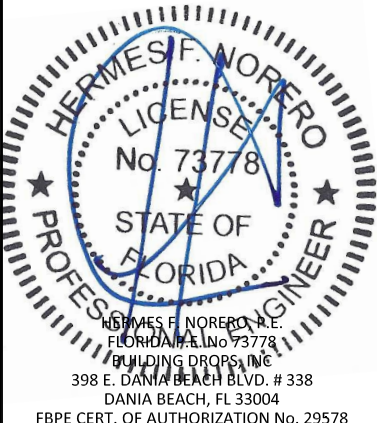
TITLE: NEXT DIMENSION  
CLASSIC DOUBLE HUNG  
(NON-HVHZ)(NON-IMPACT)  
NAIL FIN INSTALLATION SECTIONS  
(NON-BRICKMOULD)

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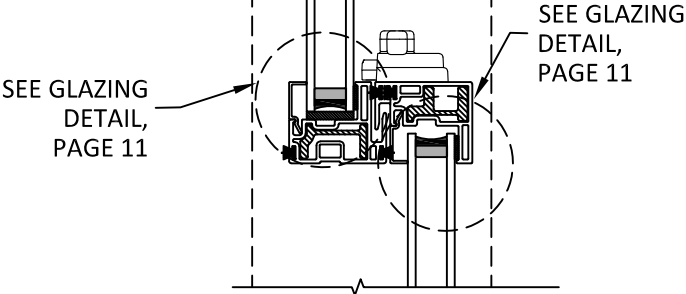


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SHEET:			

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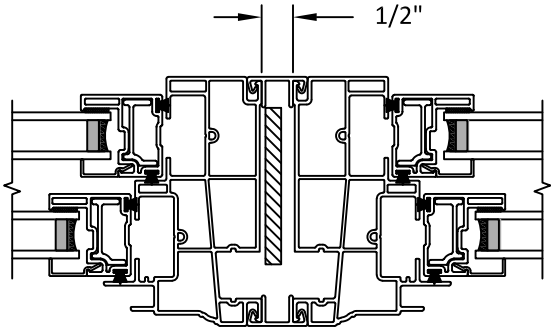
EXTERIOR



**A**  
**10** **HORIZONTAL SECTION**  
MEETING RAIL

INTERIOR

INTERIOR



EXTERIOR

**B**  
**10** **VERTICAL MULLION**



WINDSOR WINDOWS  
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MEETING RAIL DETAILS

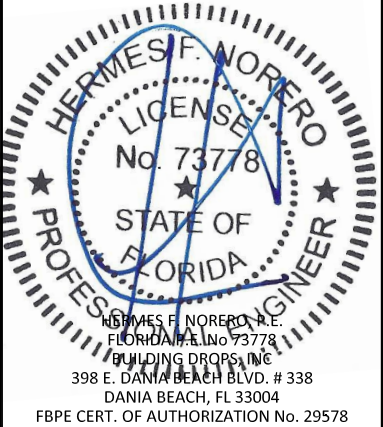
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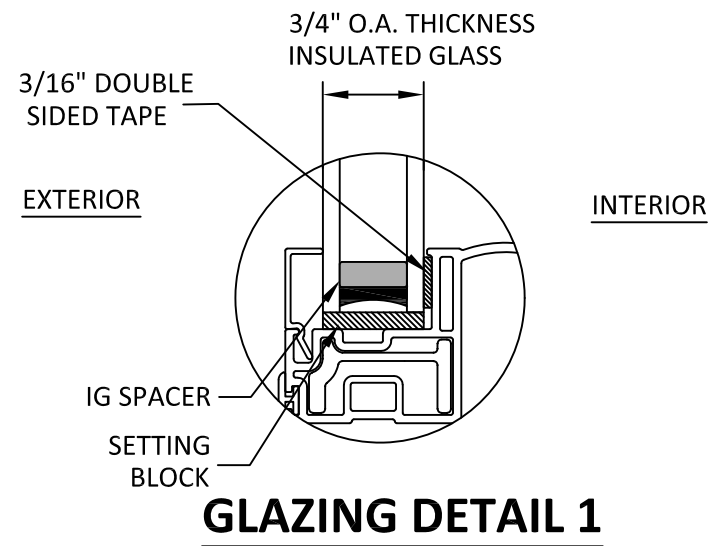
DWG. BY: **NUS**      CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **WWD064**

SHEET:  
**10**

OF 11



- GLAZING NOTES:
1. GLASS TYPE & THICKNESS SHALL COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE IBC/IRC. TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
  2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A).
  3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36".
  4. DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN DESIGN PRESSURE TABLE ON SHEET 1.



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GLAZING DETAIL

PREPARED BY:

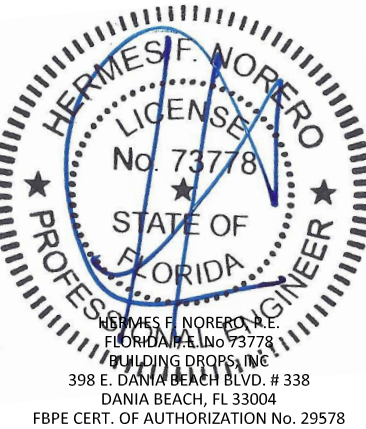
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**11**

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