

YKK AP AMERICA RESIDENTIAL

STYLEVIEW "5400" SLIDING GLASS DOOR

(NON-HVHZ) (NON-IMPACT)

INSTALLATION NOTES:

- TWO (2) INSTALLATION ANCHORS ARE REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 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.
- 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.
- FOR INSTALLATION INTO WOOD FRAMING USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- FOR INSTALLATION INTO METAL STUD USE #10 SELF-DRILLING SCREWS THROUGH THE FRAME OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL FRAME SUBSTRATE.
- FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 3/16 INCH DIAMETER ITW TAPCON OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
- 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.
- 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.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM 18 GA. WALL THICKNESS.
 - CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - MASONRY - STRENGTH CONFORMANCE TO ASTM C-90.

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), **EXCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/I.S.2/A440-11
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING AND METAL STUD 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 IN AREAS REQUIRING IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: PVC
- DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
 - X: OPERABLE PANEL
 - O: FIXED PANEL
- GLAZING SHALL MEET ASTM E1300 REQUIREMENTS, SEE SHEET 3 FOR GLAZING DETAIL.

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UNIT DIMENSIONS			
CONFIGURATION	DESIGN PRESSURE	MAXIMUM SIZE	MISSILE IMPACT RATING
OXXO	+45 / -50 PSF	192" X 96"	NOT RATED
OXXO (WITH SILL DAM)	+50 / -50 PSF	192" X 96"	NOT RATED
OXO	+45 / -50 PSF	144" X 96"	NOT RATED
OXO (WITH SILL DAM)	+50 / -50 PSF	144" X 96"	NOT RATED
XX	+50 / -50 PSF	96" X 96"	NOT RATED
OX	+50 / -50 PSF	96" X 96"	NOT RATED



YKK AP AMERICA, INC.
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (678) 838-6000

TITLE:
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(NON-HVHZ)(NON-IMPACT)

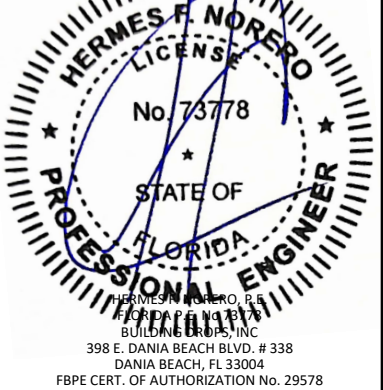
INSTALLATION & GENERAL NOTES

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
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WEB: www.buildingdrops.com

REMARKS	BY	DATE
7TH FBC CODE CHANGE	MS	05.07.20
FBC CODE CHANGE	FB	08.30.23

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Reason: I am approving this document
Date: 2023.12.06 17:09:22 -05'00'



HERMES F. NORERO, P.E.
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL16605

DATE: **06.04.15**

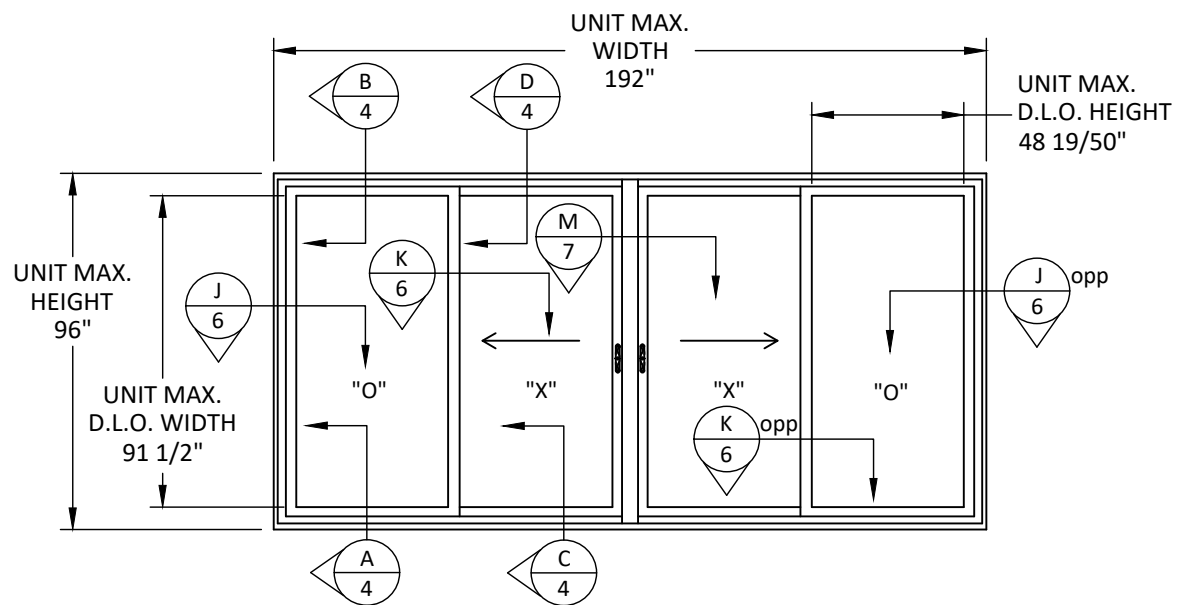
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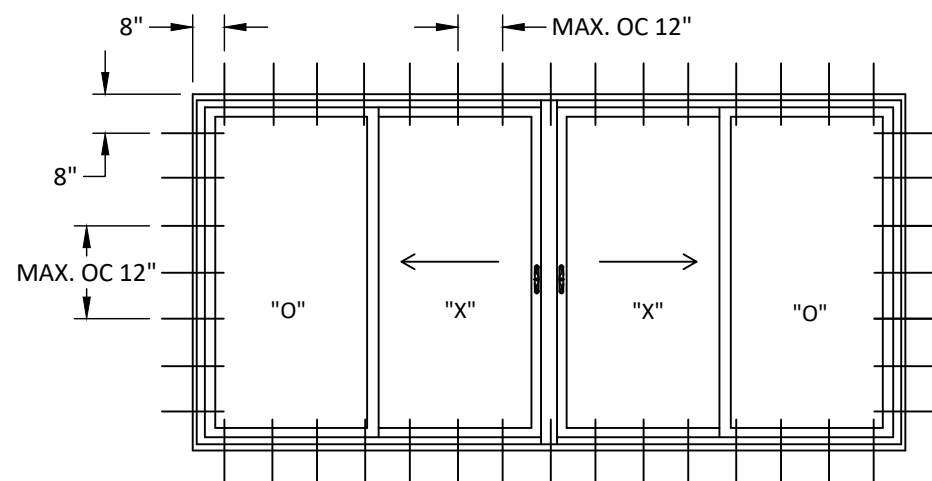
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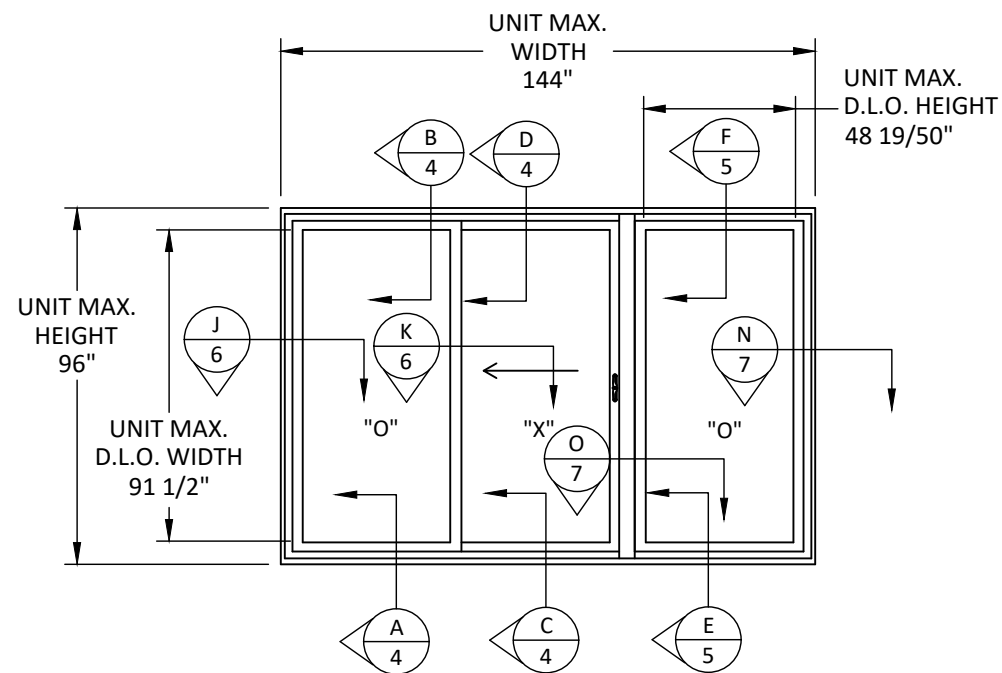
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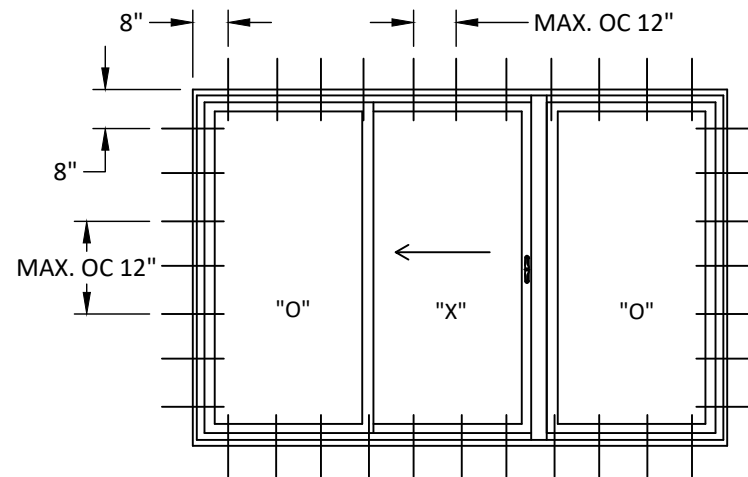
ELEVATION
OXXO



ANCHOR LAYOUT
THROUGH FRAME



ELEVATION
OXO



ANCHOR LAYOUT
THROUGH FRAME



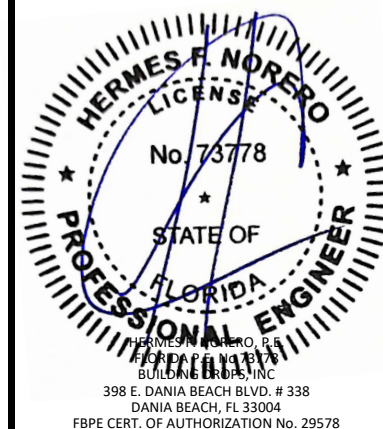
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ELEVATION & ANCHOR SCHEDULE

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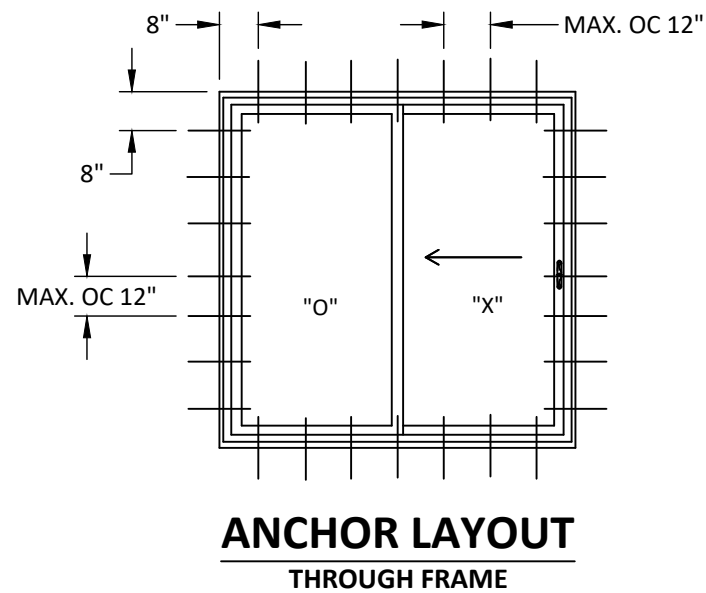
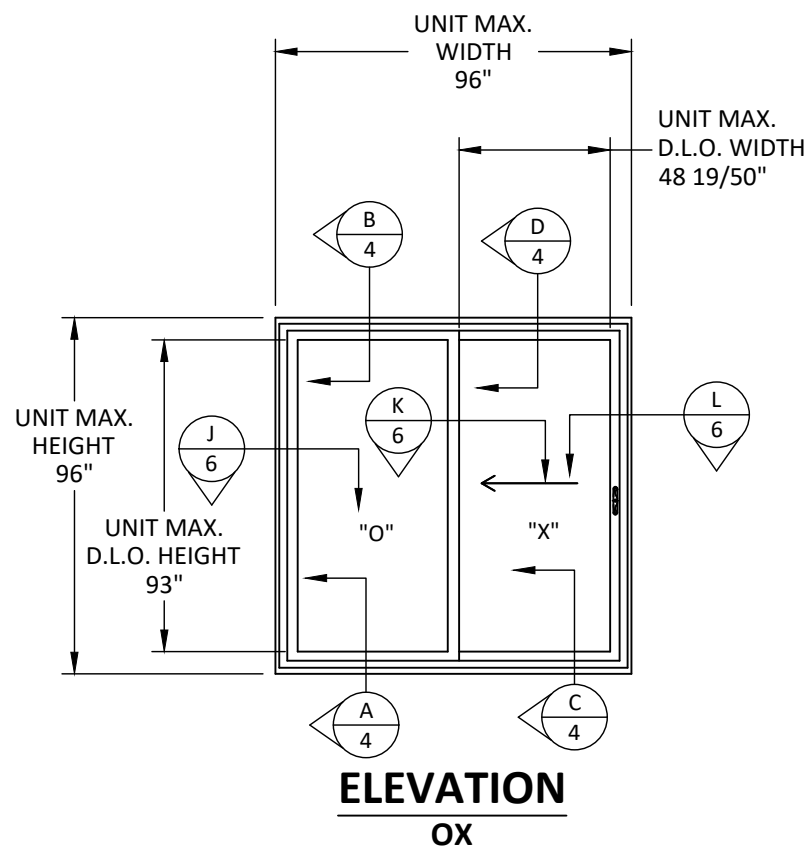
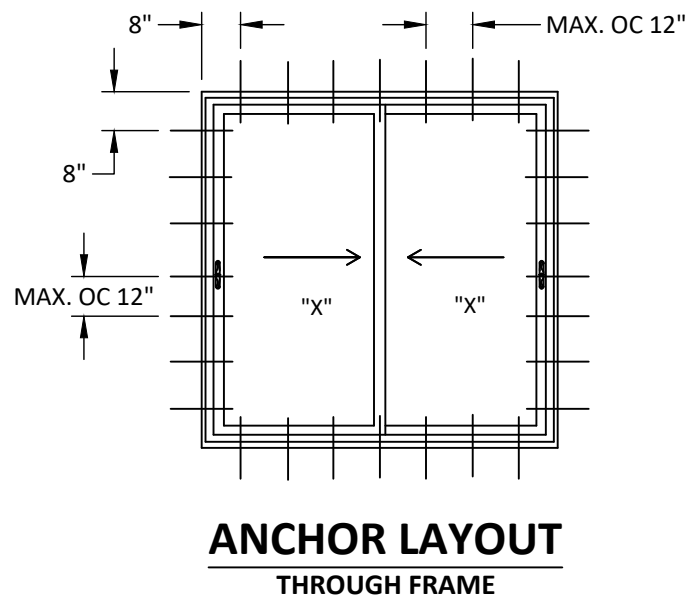
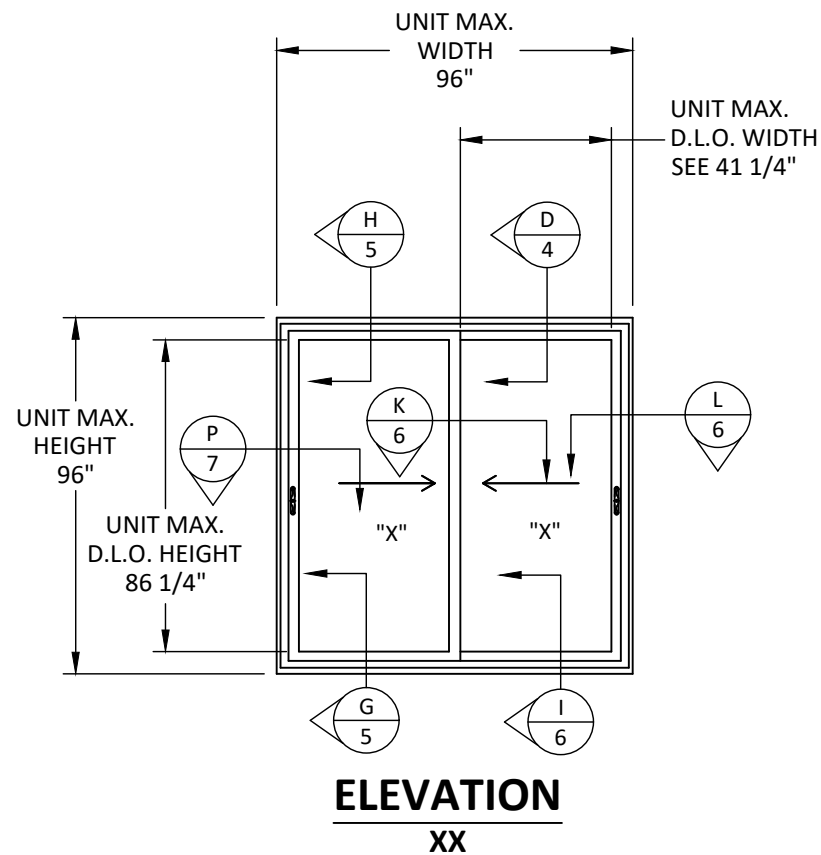
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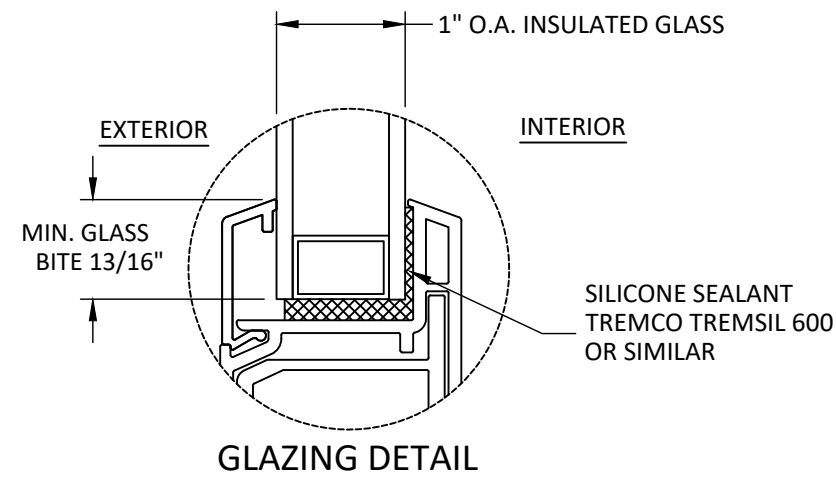
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ANCHOR SCHEDULE				
	SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	MIN. S.G. = 0.55 WOOD	#10 WOOD SCREW	1.50"	0.75"
	CMU PER ASTM C90	3/16" ITW TAPCON	1.25"	2.50"
	CONCRETE, MIN. COMPRESSIVE STRENGTH OF 3000 PSI	3/16" ITW TAPCON	1.25"	2.50"
	18 GAUGE STEEL, MIN fy = 33 ksi	#10 SELF-DRILLING SCREW	3 THREADS PENETRATION BEYOND METAL	0.75"



GLAZING NOTES:

- GLASS THICKNESS AND TYPE SHALL COMPLY WITH ASTM E1300 GLASS STRENGTH REQUIREMENTS.
- SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
- SETTING BLOCK TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" PER FBC CHAPTER 24.
- ALL GLAZING CONFIGURATIONS SHALL COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN CURRENT FBC.

INTERCEPT STAINLESS STEEL OR TIN PLATED SPACER:
AROUND THE PERIMETER OF THE GLASS

PRIMARY SEALANT:
POLYISOBUTYLENE (PIB)

SECONDARY SEALANT:
STRUCTURAL SILICONE INTENDED FOR FABRICATION OF INSULATED GLASS UNITS.



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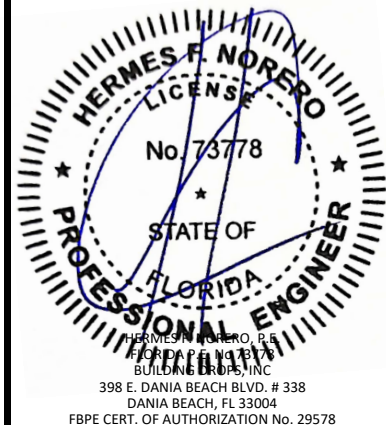
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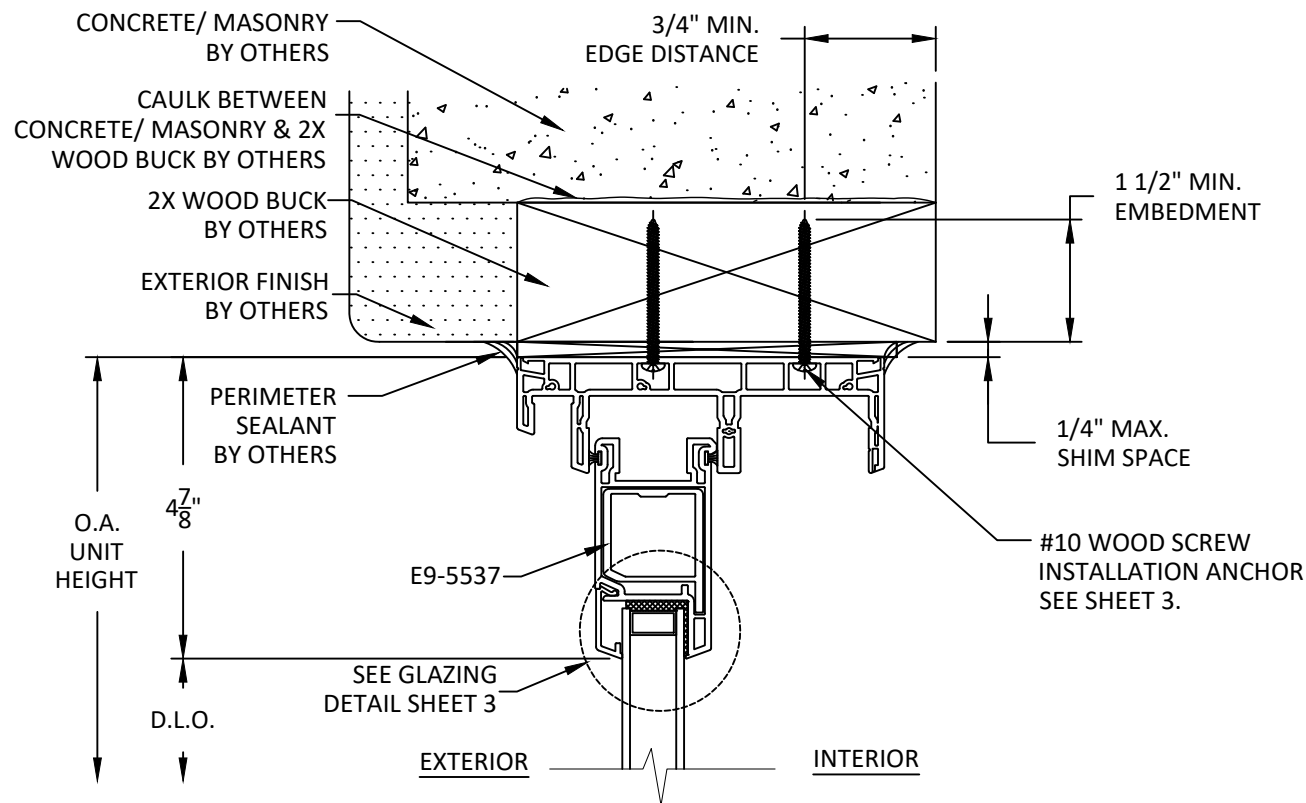
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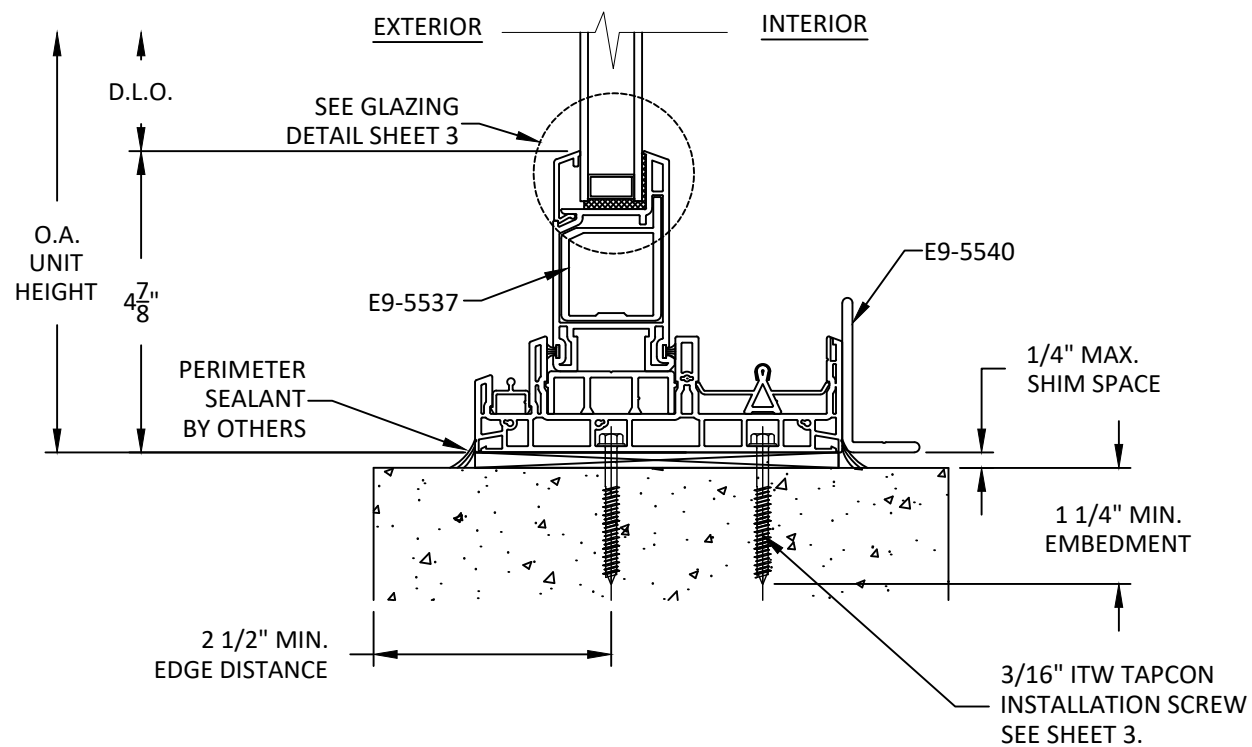
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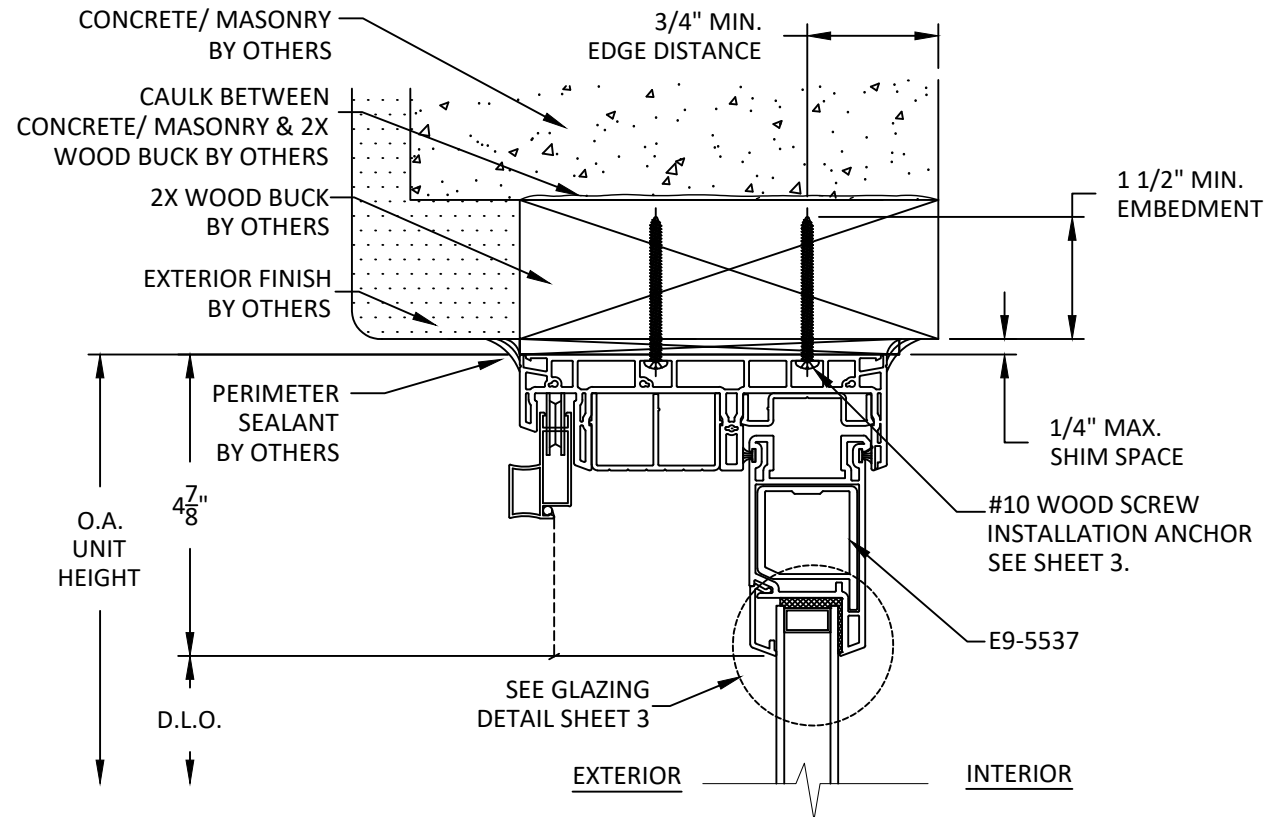
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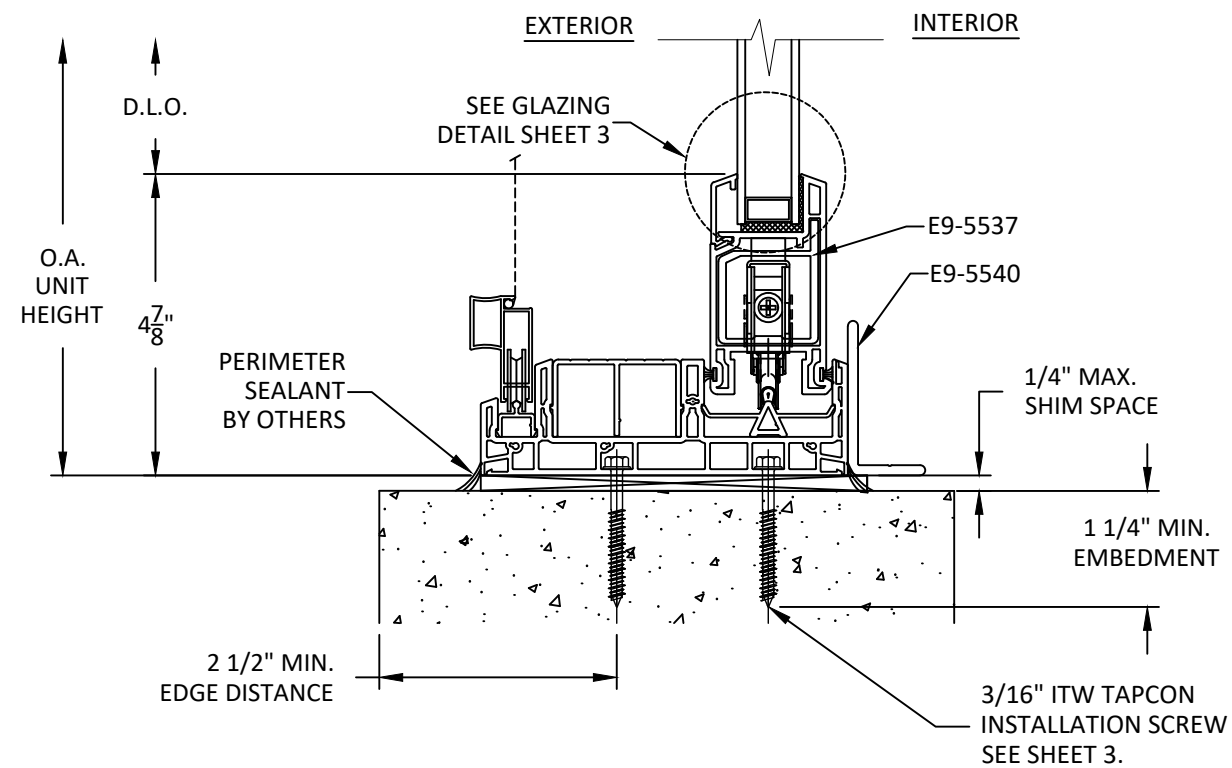
B
4 **VERTICAL SECTION**
FIXED HEAD - 2X WOOD BUCK
THROUGH FRAME



A
4 **VERTICAL SECTION**
FIXED SILL - CONCRETE/MASONRY
THROUGH FRAME



D
4 **VERTICAL SECTION**
OPERABLE HEAD - 2X WOOD BUCK
THROUGH FRAME



C
4 **VERTICAL SECTION**
OPERABLE SILL - CONCRETE/MASONRY
THROUGH FRAME



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VERTICAL SECTIONS

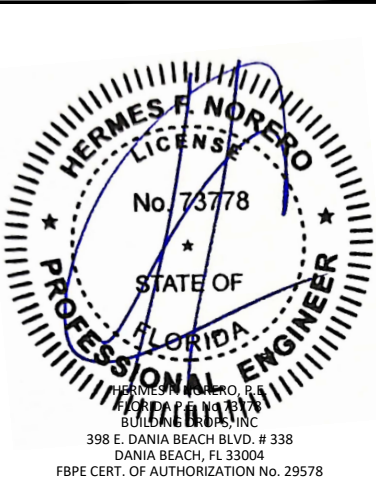
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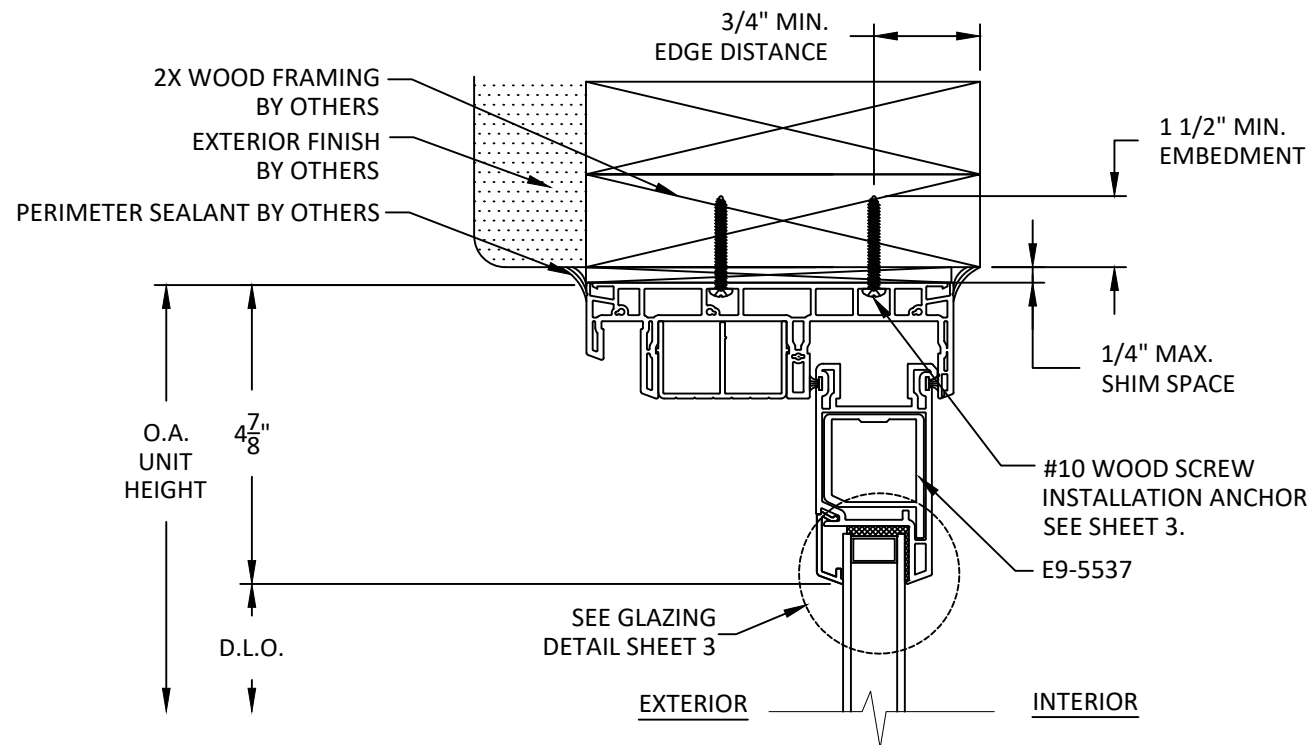
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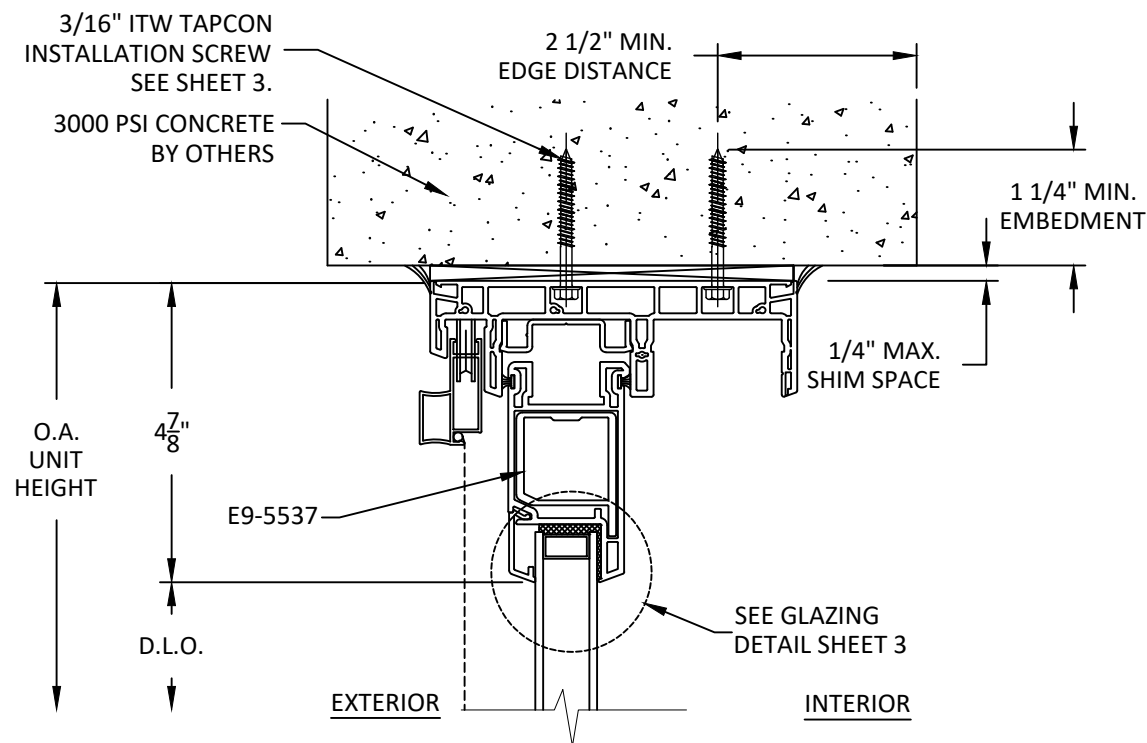


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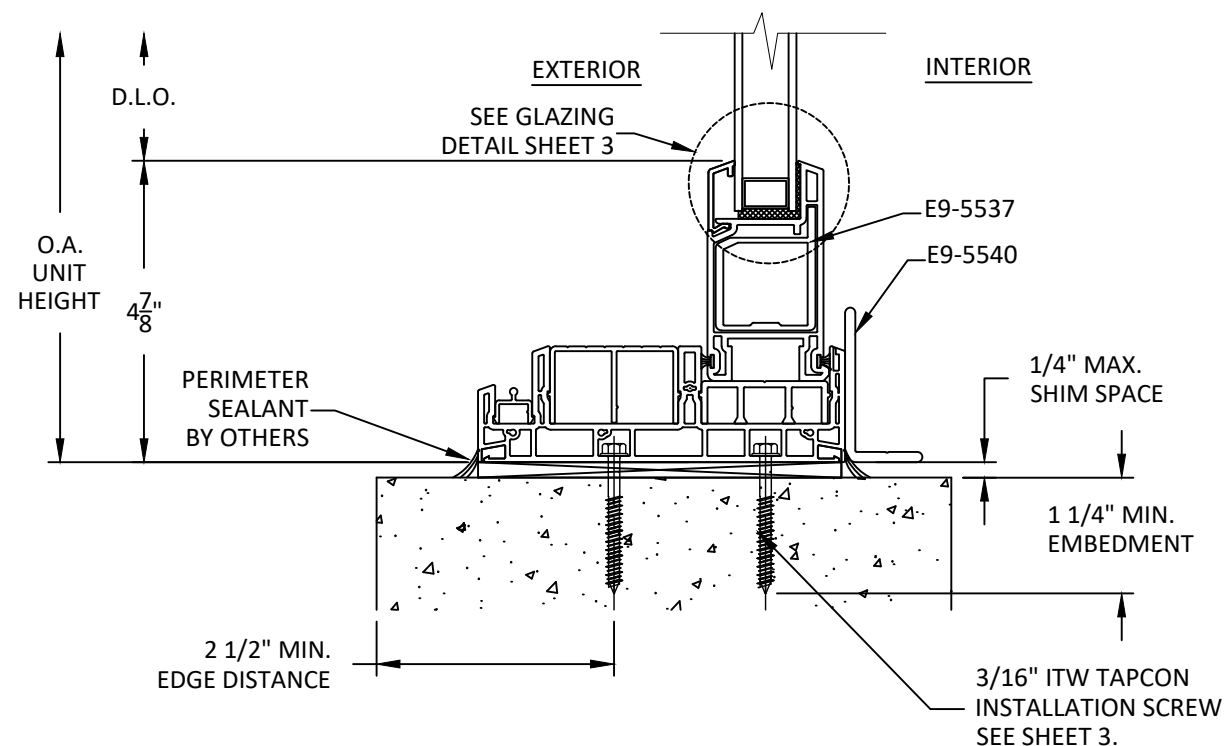
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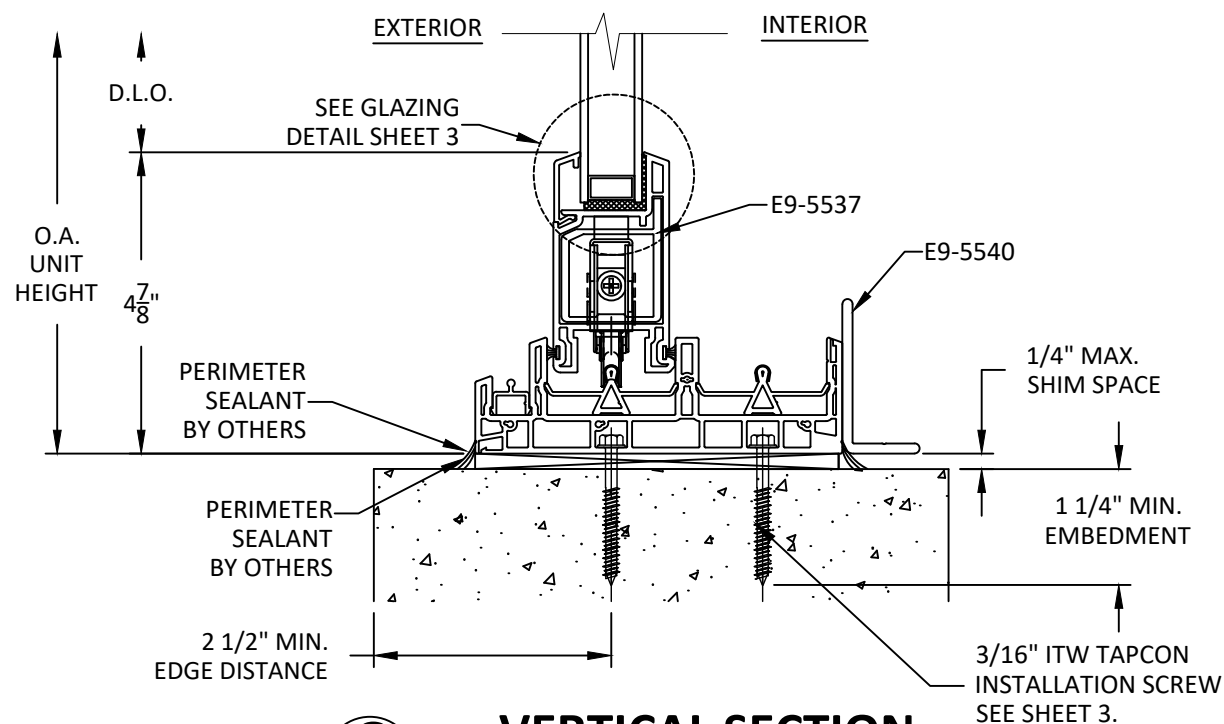
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5 **VERTICAL SECTION**
FIXED HEAD - 2X WOOD BUCK
THROUGH FRAME



H
5 **VERTICAL SECTION**
OPERABLE HEAD - CONCRETE
THROUGH FRAME



E
5 **VERTICAL SECTION**
FIXED SILL - CONCRETE/MASONRY
THROUGH FRAME



G
5 **VERTICAL SECTION**
OPERABLE (XX) SILL - CONCRETE/MASONRY
THROUGH FRAME



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HORIZONTAL & VERTICAL SECTIONS

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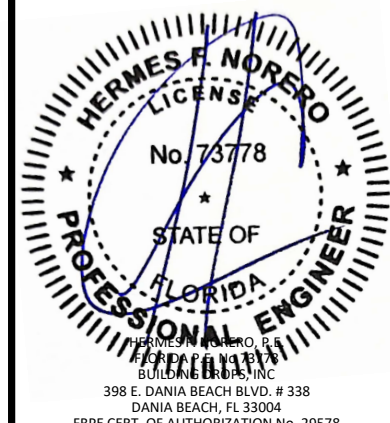
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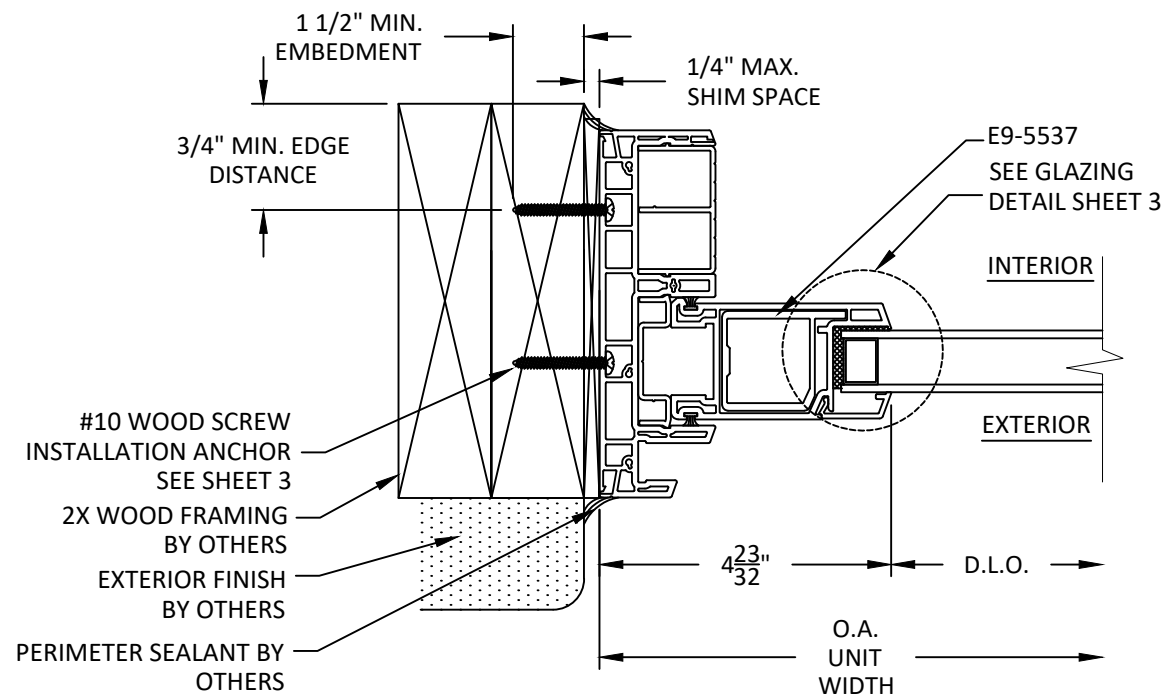
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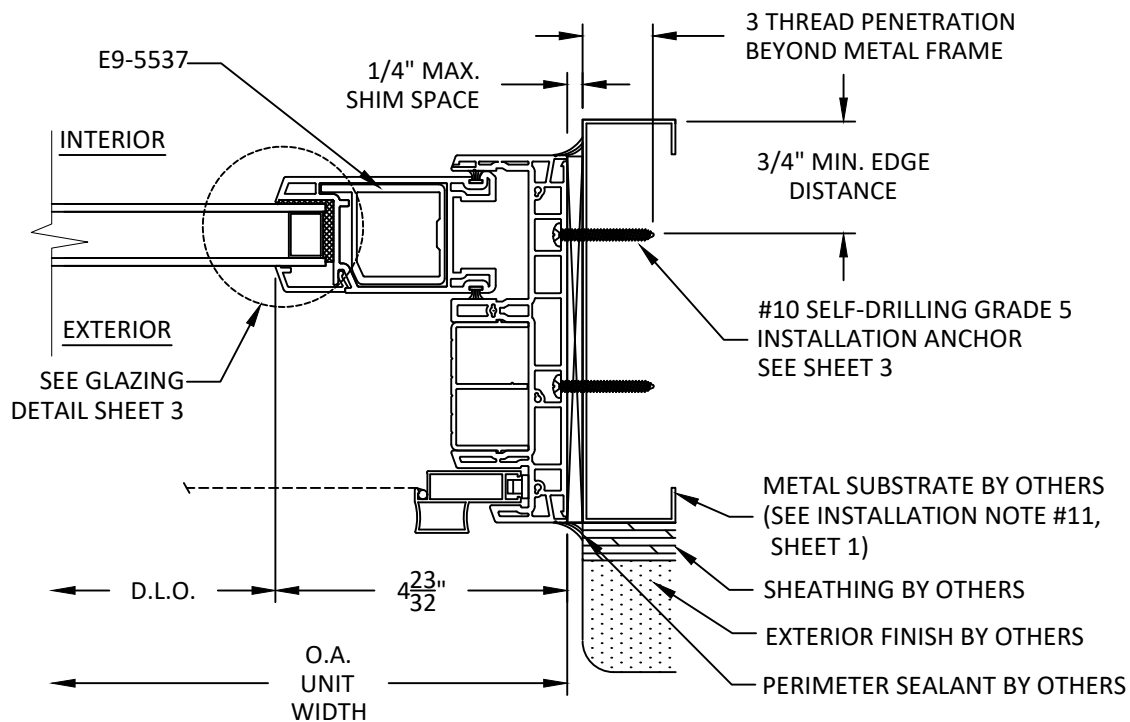
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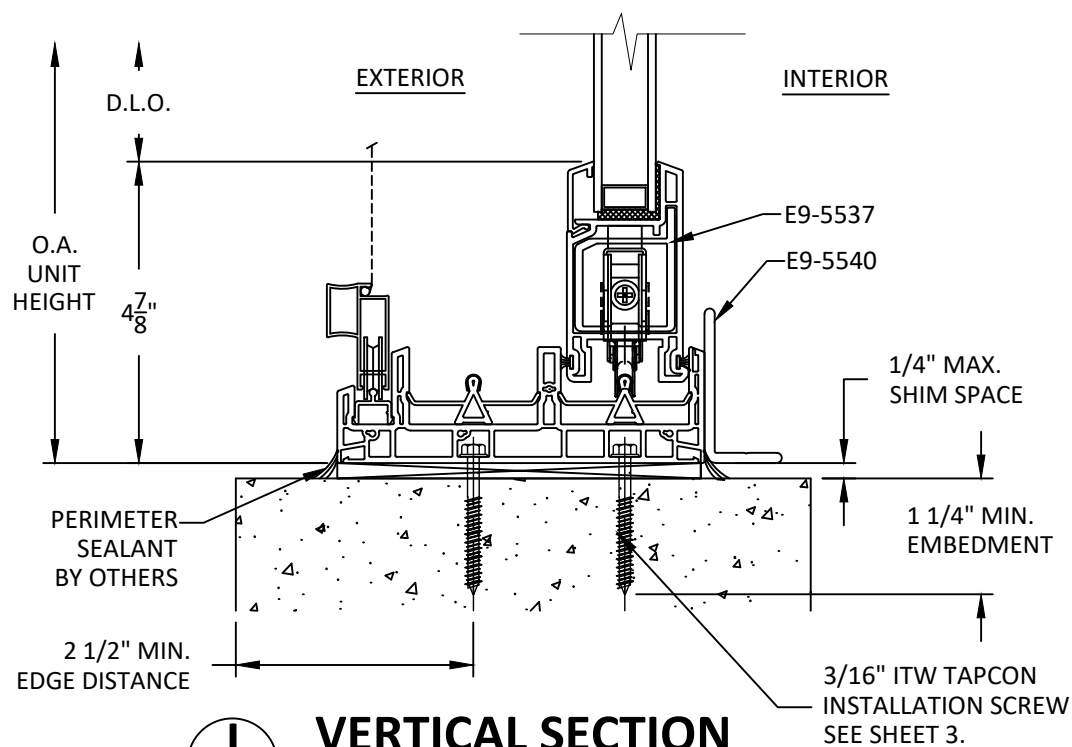
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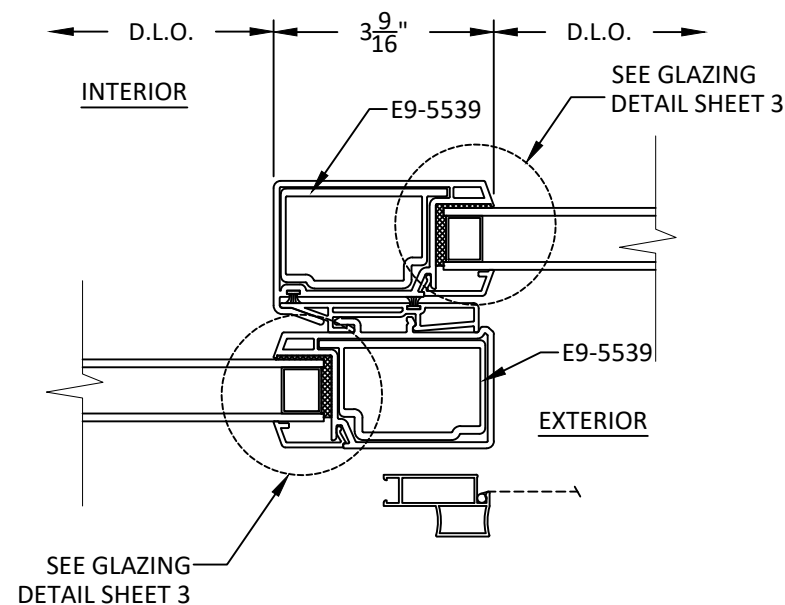
J
6 **HORIZONTAL SECTION**
FIXED JAMB - 2X WOOD BUCK
THROUGH FRAME



L
6 **HORIZONTAL SECTION**
OPERABLE JAMB - METAL STUD
THROUGH FRAME



I
6 **VERTICAL SECTION**
OPERABLE SILL - CONCRETE/MASONRY
THROUGH FRAME



K
6 **HORIZONTAL SECTION**
INTERLOCK



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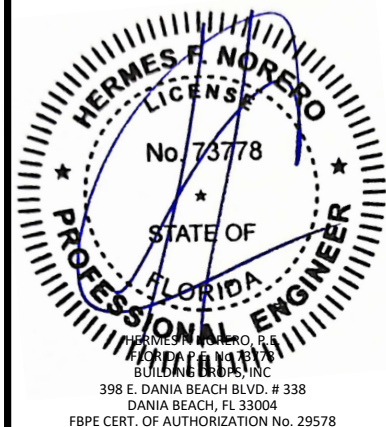
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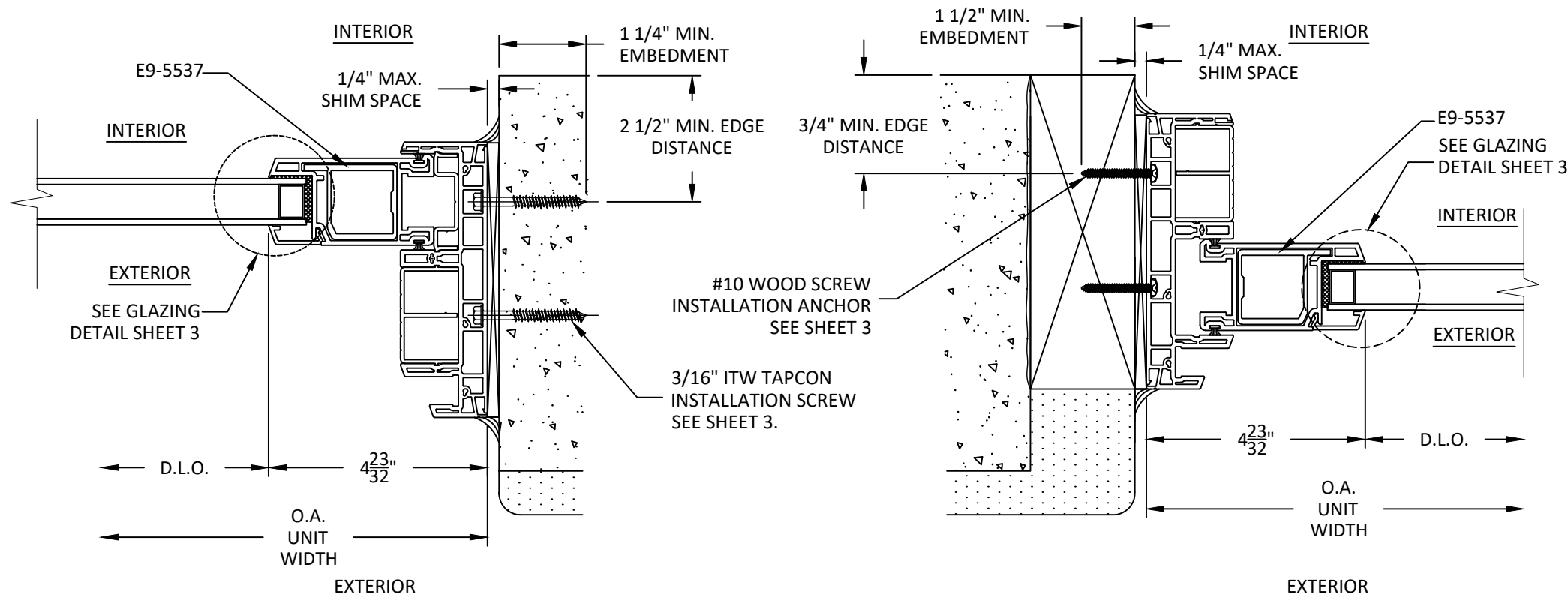
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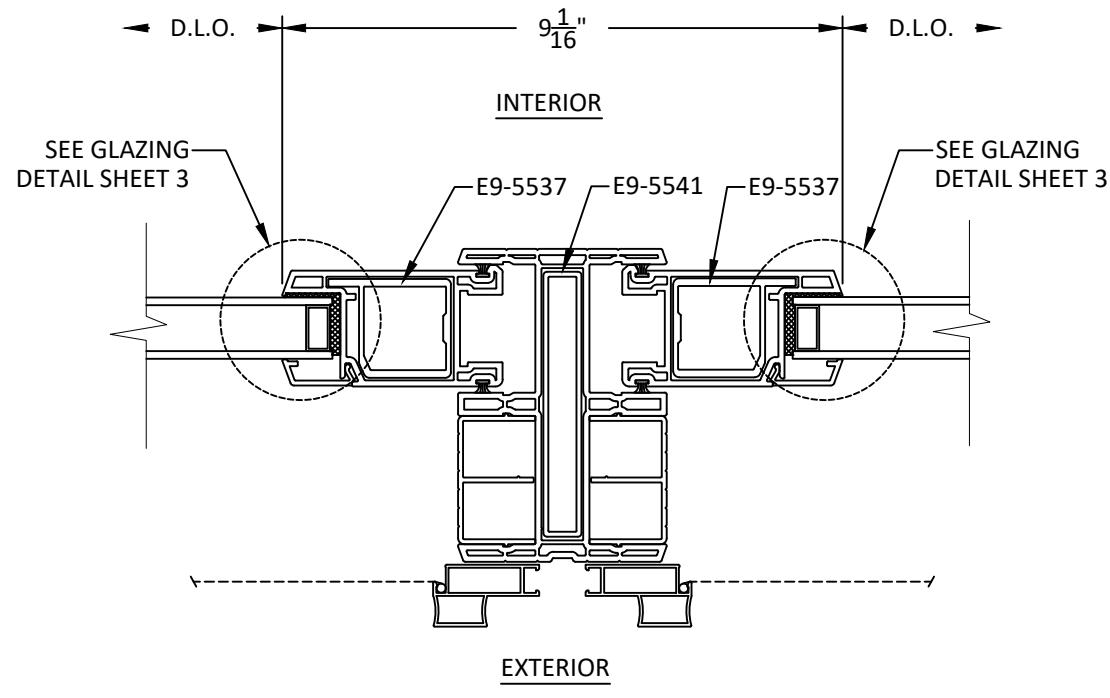
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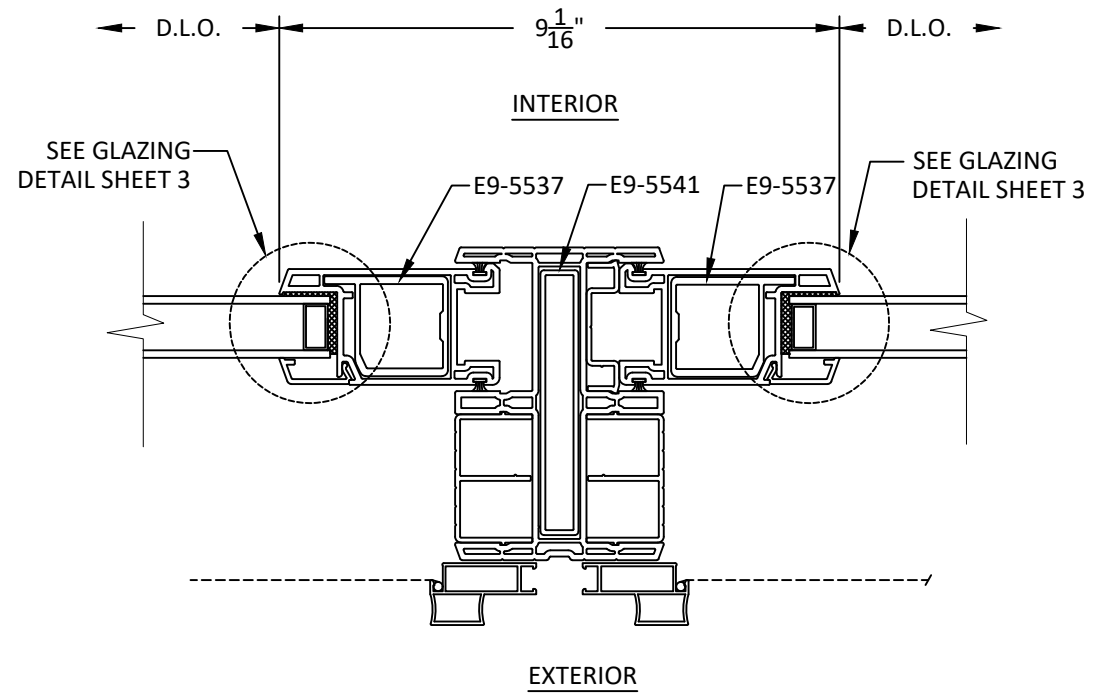


N
7 **HORIZONTAL SECTION**
FIXED JAMB - CONCRETE/ MASONRY
THROUGH FRAME

P
7 **HORIZONTAL SECTION**
OPERABLE JAMB - 2X WOOD BUCK
THROUGH FRAME



M
7 **HORIZONTAL SECTION**
INTERMEDIATE
OPERABLE TO OPERABLE



O
7 **HORIZONTAL SECTION**
INTERMEDIATE
OPERABLE TO FIXED

YKK AP Quality inspires

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No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
HERMES F. NORERO, P.E.
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL16605

DATE: 06.04.15

DWG. BY: BB	CHK. BY: HFN
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SCALE: NTS

DWG. #: YKK147

SHEET: 7

OF 7