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INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. 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.
4. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 3/8 INCH 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 2X BUCK OR FRAMING USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE AND MAINTAIN MINIMUM 3/4" EDGE DISTANCE.
6. **THROUGH FRAME:** FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE ¾" ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT AND MAINTAIN MINIMUM 2" EDGE DISTANCE.
7. **THROUGH FRAME:** FOR INSTALLATION INTO METAL SUBSTRATES USE #10 GRADE 5 SELF-DRILLING OR SELF-TAPPING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND METAL FRAME SUBSTRATE AND MAINTAIN MINIMUM 3/4" EDGE DISTANCE.
8. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
9. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
10. 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.
11. 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.
12. 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 WALL THICKNESS OF 33 MILS (20 GAUGE).

F. ALUMINUM - MINIMUM 6063-T5 ALLOY. MINIMUM WALL THICKNESS OF 1/8".

ANDERSEN CORPORATION

200 SERIES NARROLINE GLIDING PATIO DOOR

(NON-HVHZ)(NON-IMPACT)

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
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X 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.
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.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. DOOR MATERIAL: WOOD, LVL, AND VINYL
7. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 8 FOR GLAZING DETAIL.
8. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:

X: ACTIVE PANEL

O: STATIONARY PANEL
9. CUSTOM SIZES AVAILABLE UPON REQUEST. CUSTOM DESIGN PRESSURE WILL BE ASSIGNED EQUAL TO NEXT LARGER STANDARD SIZE.

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL AND INSTALLATION NOTES
2	ELEVATION & ANCHOR LAYOUT OXXO
3	ELEVATIONS & ANCHOR LAYOUTS OX, O
4	VERTICAL SECTIONS OXXO
5	VERTICAL SECTIONS XO
6	VERTICAL SECTIONS O
7	HORIZONTAL SECTIONS
8	HORIZONTAL SECTIONS & GLAZING DETAIL
9	SIDELITE MULLIONS
10	MULLION ANCHOR DETAIL

DESIGN PRESSURE RATING				
PRODUCT	O.A. SIZE	CONFIGURATION	DESIGN PRESSURE	MISSILE IMPACT RATING
NLGD4380S IG	50" X 95 ½"	O	+40.0 / -40.0 PSF	NON-IMPACT
NLGD6068AS IG	71 ¼" X 79 ½"	XO	+35.0 / -35.0 PSF	
NLGD6080AS IG	71 ¼" X 95 ½"	XO	+30.0 / -30.0 PSF	
NLGD8080AS IG	95 ½" X 95 ½"	XO	+25.0 / -25.0 PSF	
NLGD16080SAAS IG	189" X 95 ½"	OXXO	+25.0 / -25.0 PSF	
NLGD60611AS IG	71 ¼" X 82 ¾"	XO	+40.0 / -40.0 PSF	



ANDERSEN
WINDOWS & DOORS

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

TITLE: 200 SERIES NARROLINE
GLIDING PATIO DOOR
(NON-HVHZ)(NON-IMPACT)
GENERAL AND INSTALLATION NOTES

PREPARED BY:

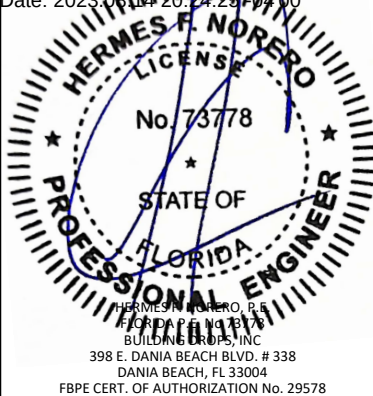
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
7TH FBC CODE CHANGE	SR	3.18.20
8TH FBC CODE CHANGE	SH	5.24.23

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.06.14 20:24:25 -0400



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 #:

FL14429

DATE: 09.28.17

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SCALE: NTS

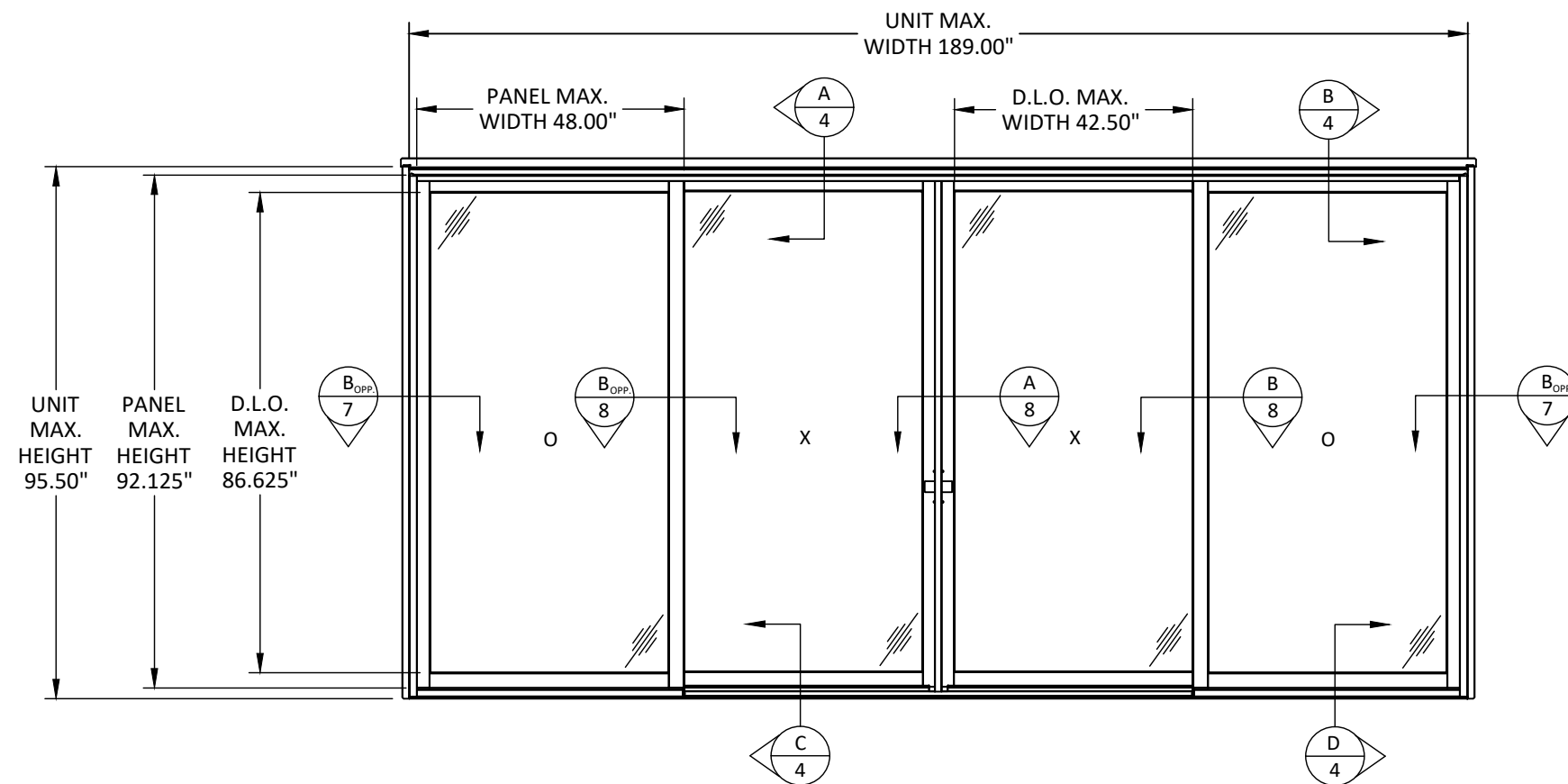
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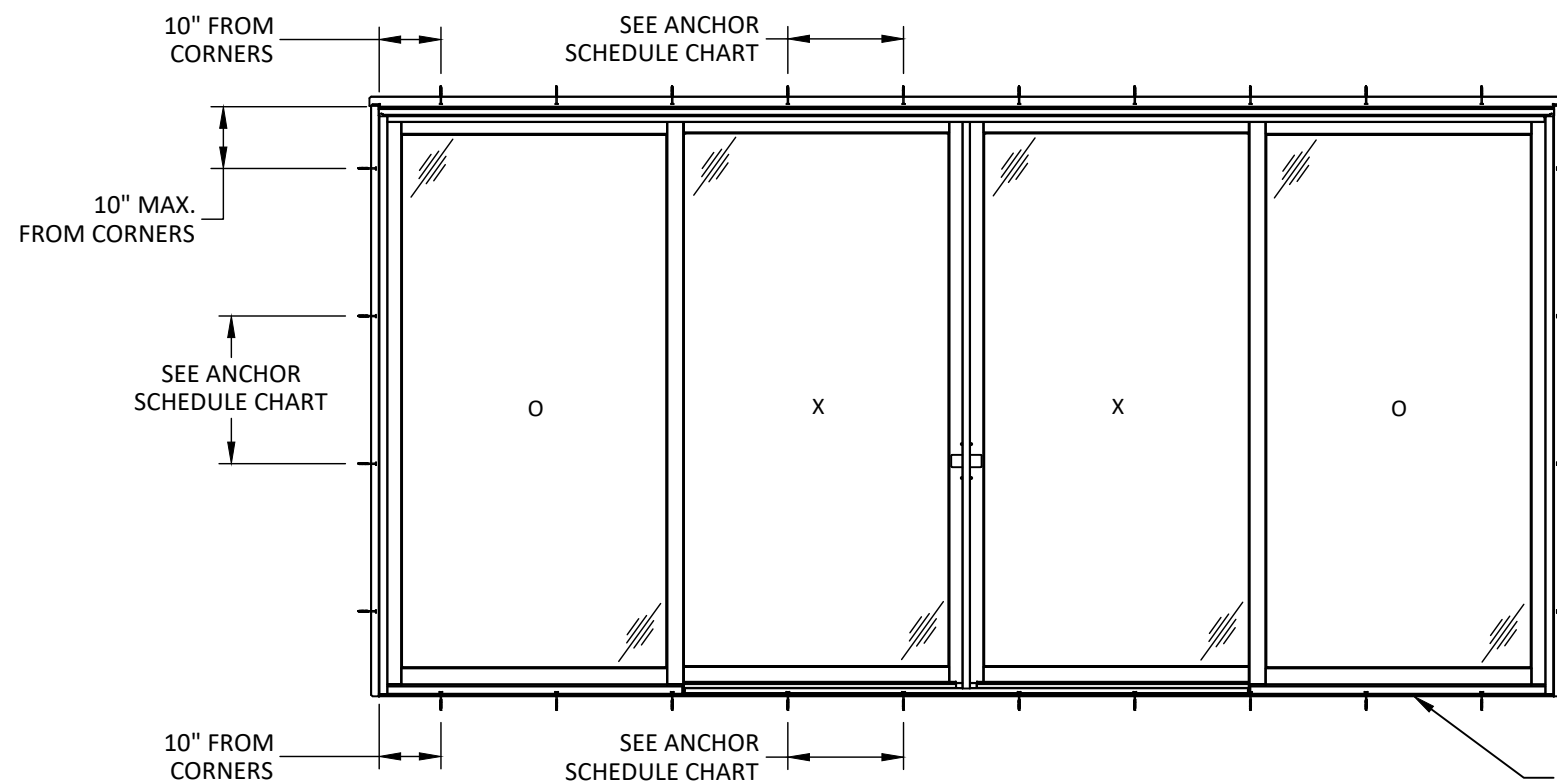
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OF 10

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ELEVATION



ANCHOR LAYOUT
THROUGH FRAME
INSTALLATION

SET ENTIRE SILL IN BED OF STRUCTURAL
SILICONE SEALANT, (MIN THREE 1/2" BEADS)

ANCHOR SCHEDULE						
SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT (IN.)	EDGE DISTANCE (IN.)	O.C. SPACING (IN.)		
				HEAD	JAMB	SILL*
WOOD	#10 WOOD SCREW	1-1/2	3/4	19-3/4	19	19-3/4
CONCRETE OR MASONRY	3/16" ITW TAPCON	1-1/4	2	19-3/4	19	19-3/4
STEEL	#10 TEK SCREW	3 THREADS	3/4	19-3/4	19	19-3/4

* FOR 4-PANEL UNITS ONLY



100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096

PH: (651) 264-5150 FX: (651) 264-5485

TITLE: 200 SERIES NARROWLINE
GLIDING PATIO DOOR
(NON-HVHZ)/(NON-IMPACT)

ELEVATIONS & ANCHOR LAYOUTS OXO

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DANIA BEACH, FL 33004

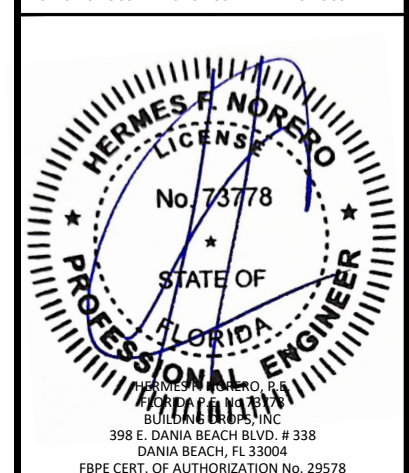
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HFN

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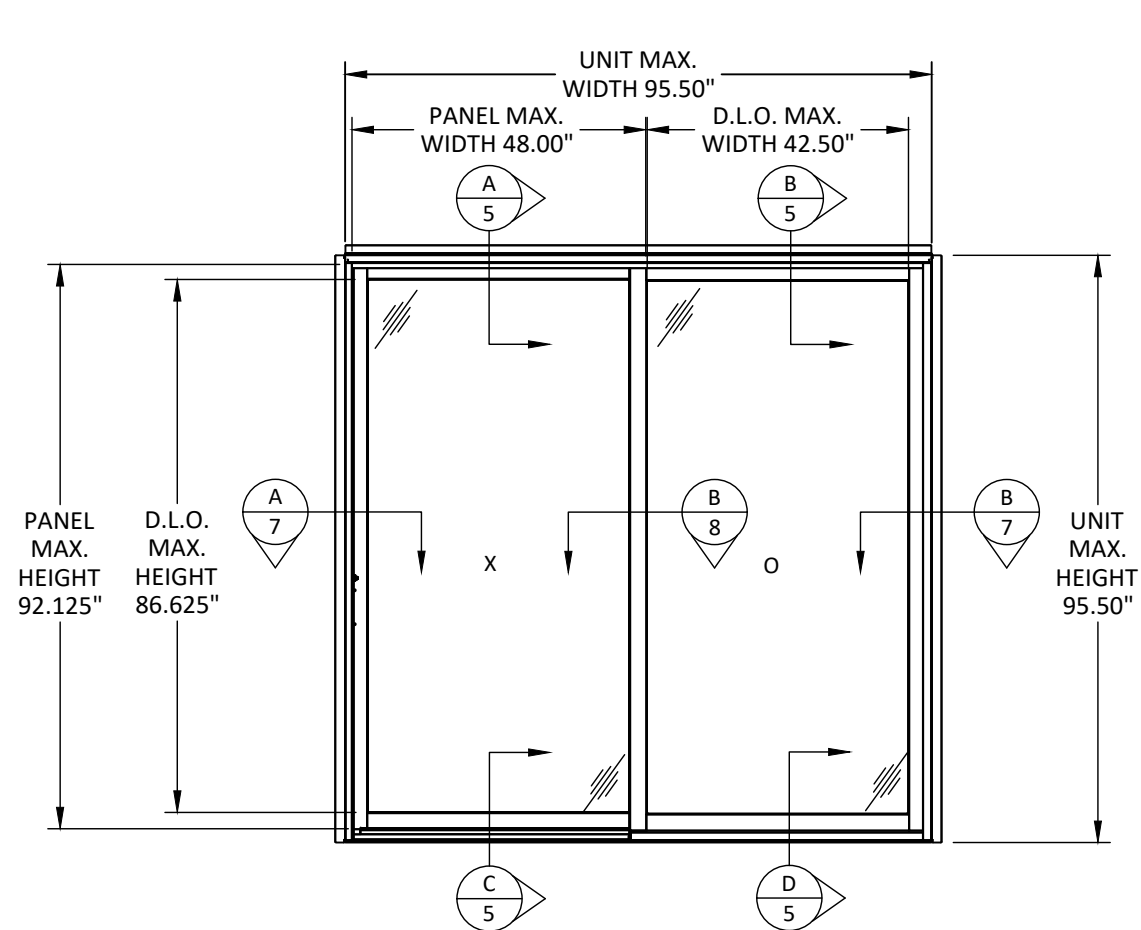
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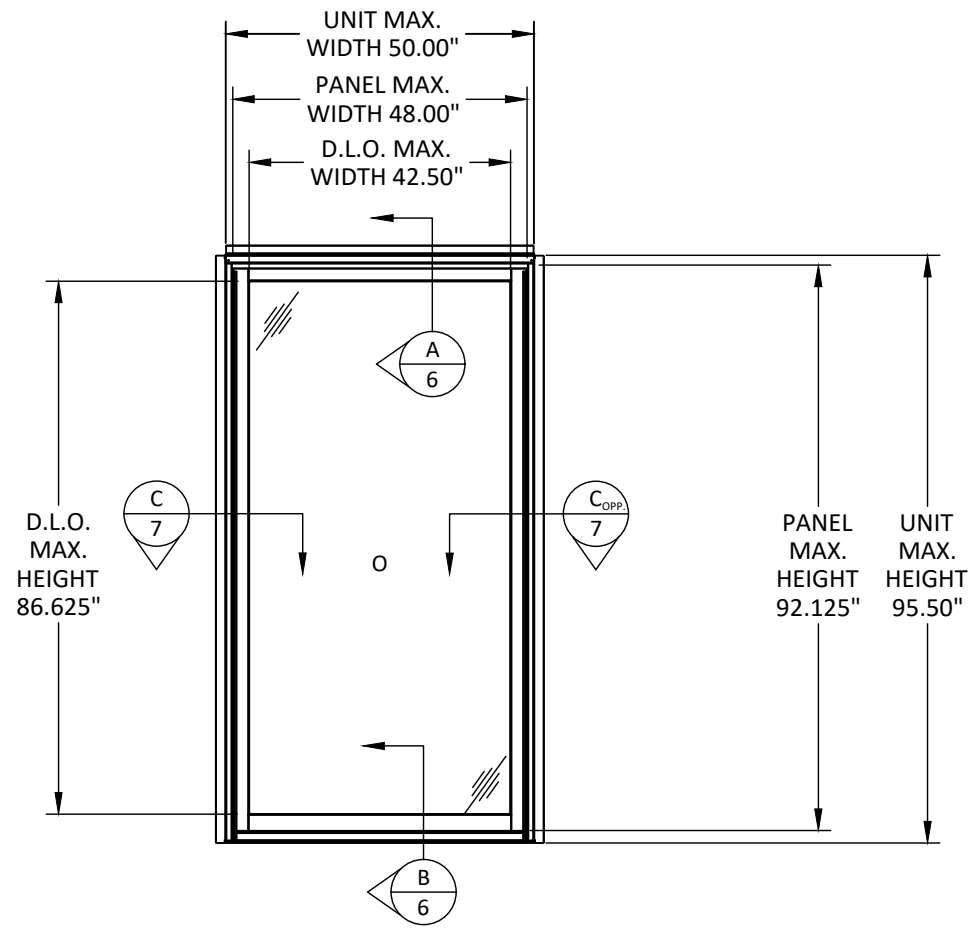
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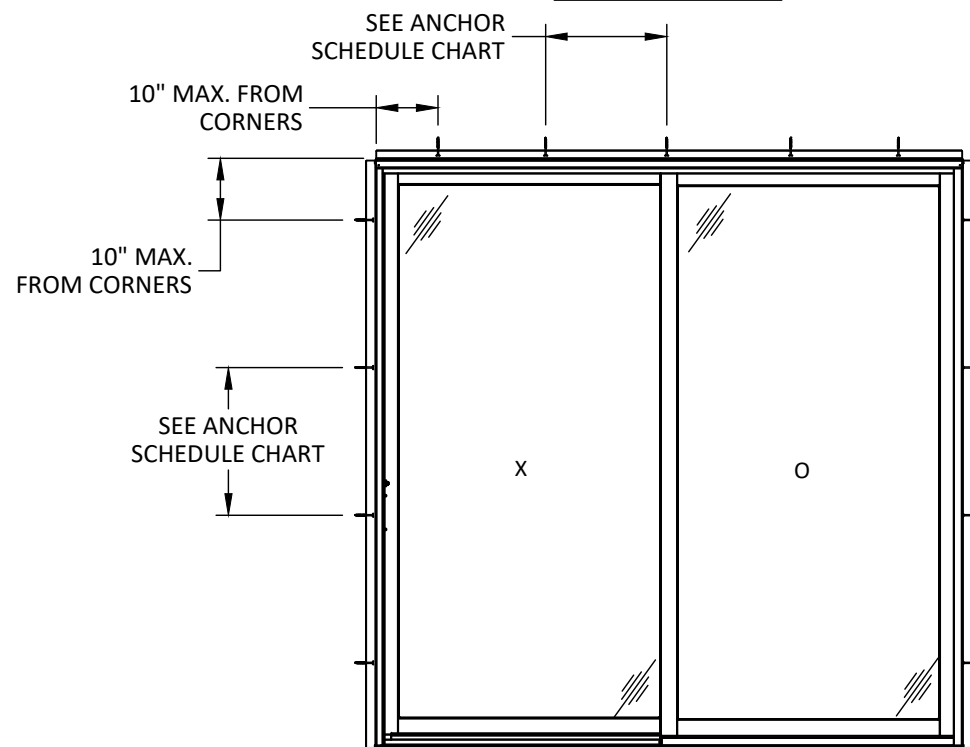
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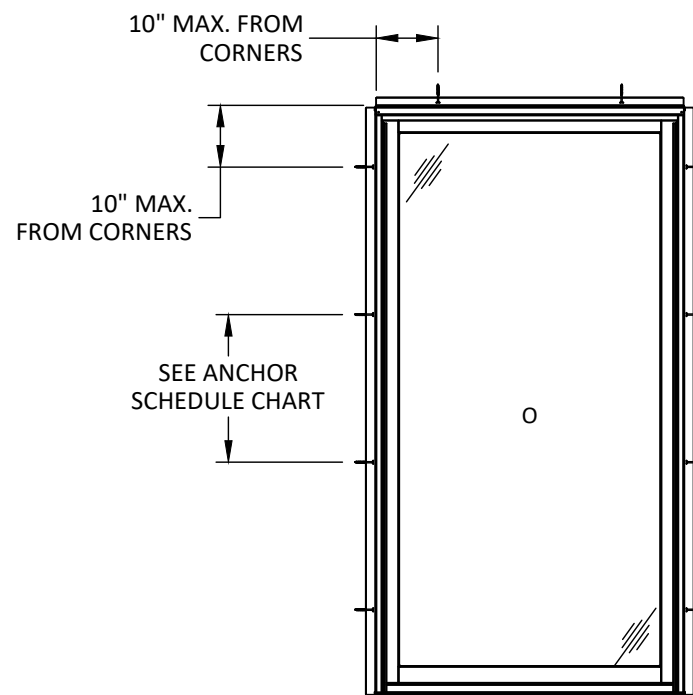
ELEVATION



ELEVATION



ANCHOR LAYOUT
THROUGH FRAME
INSTALLATION



ANCHOR LAYOUT
THROUGH FRAME
INSTALLATION

SET ENTIRE SILL IN BED OF
STRUCTURAL SILICONE SEALANT,
(MIN THREE 1/2" BEADS)

ANCHOR SCHEDULE						
SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT (IN.)	EDGE DISTANCE (IN.)	O.C. SPACING (IN.)		
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WOOD	#10 WOOD SCREW	1-1/2	3/4	19-3/4	19	19-3/4
CONCRETE OR MASONRY	3/16" ITW TAPCON	1-1/4	2	19-3/4	19	19-3/4
STEEL	#10 TEK SCREW	3 THREADS	3/4	19-3/4	19	19-3/4

* FOR 4-PANEL UNITS ONLY



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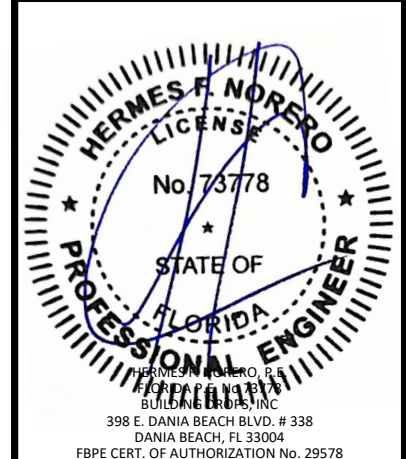
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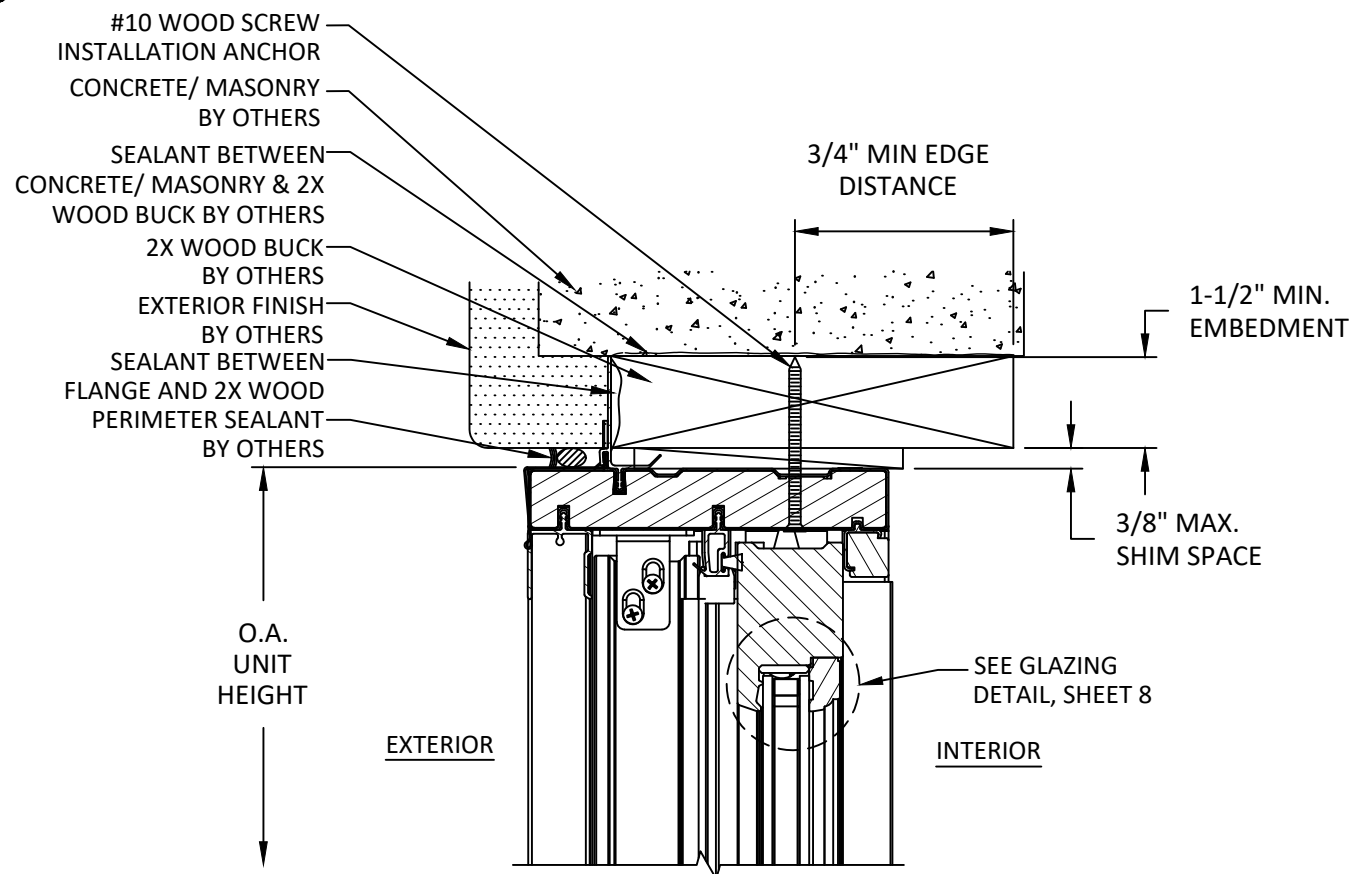
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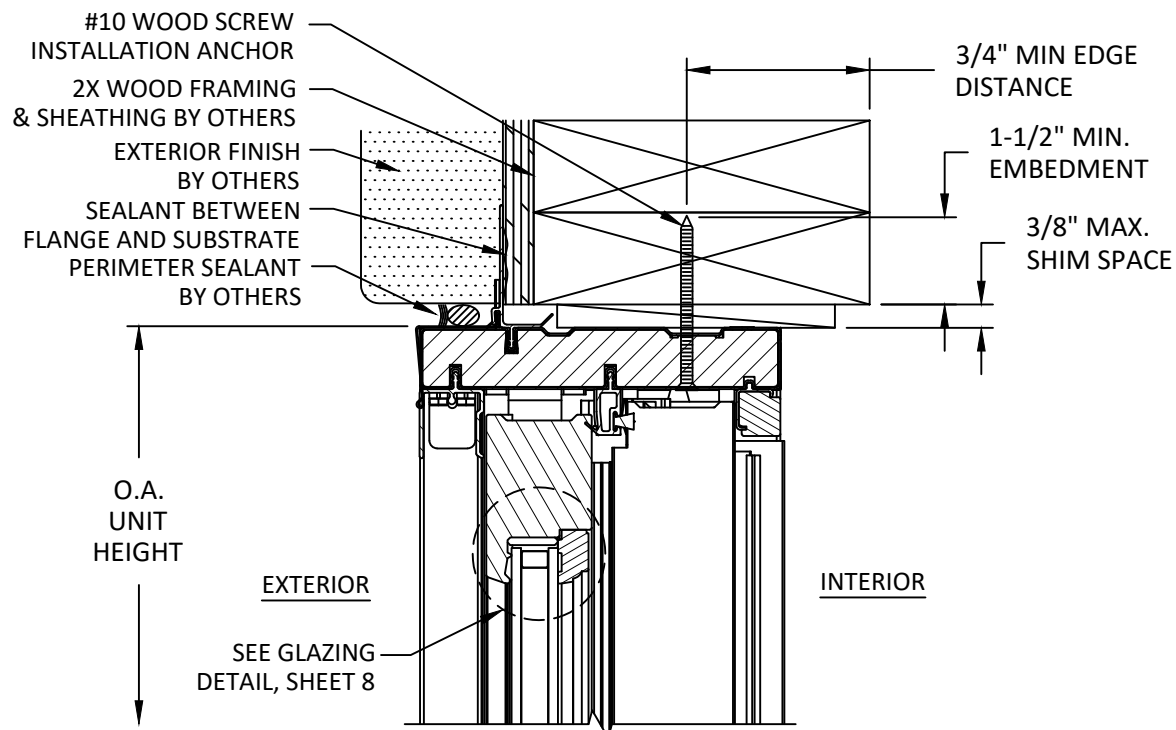
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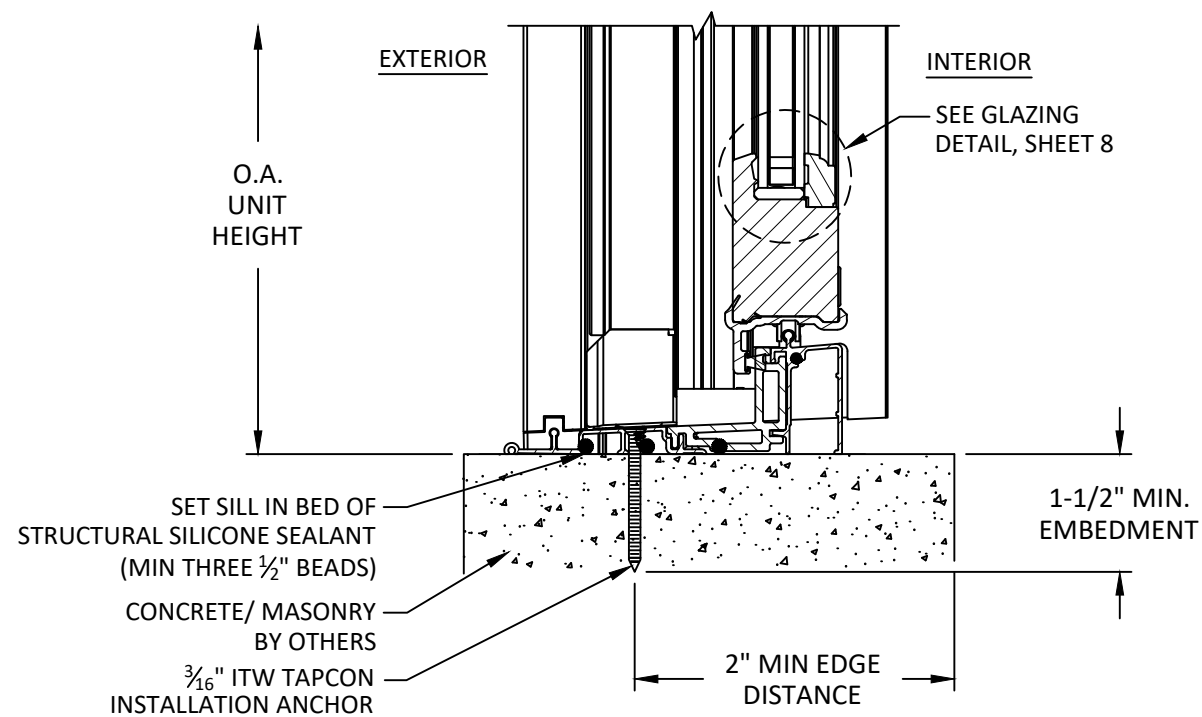
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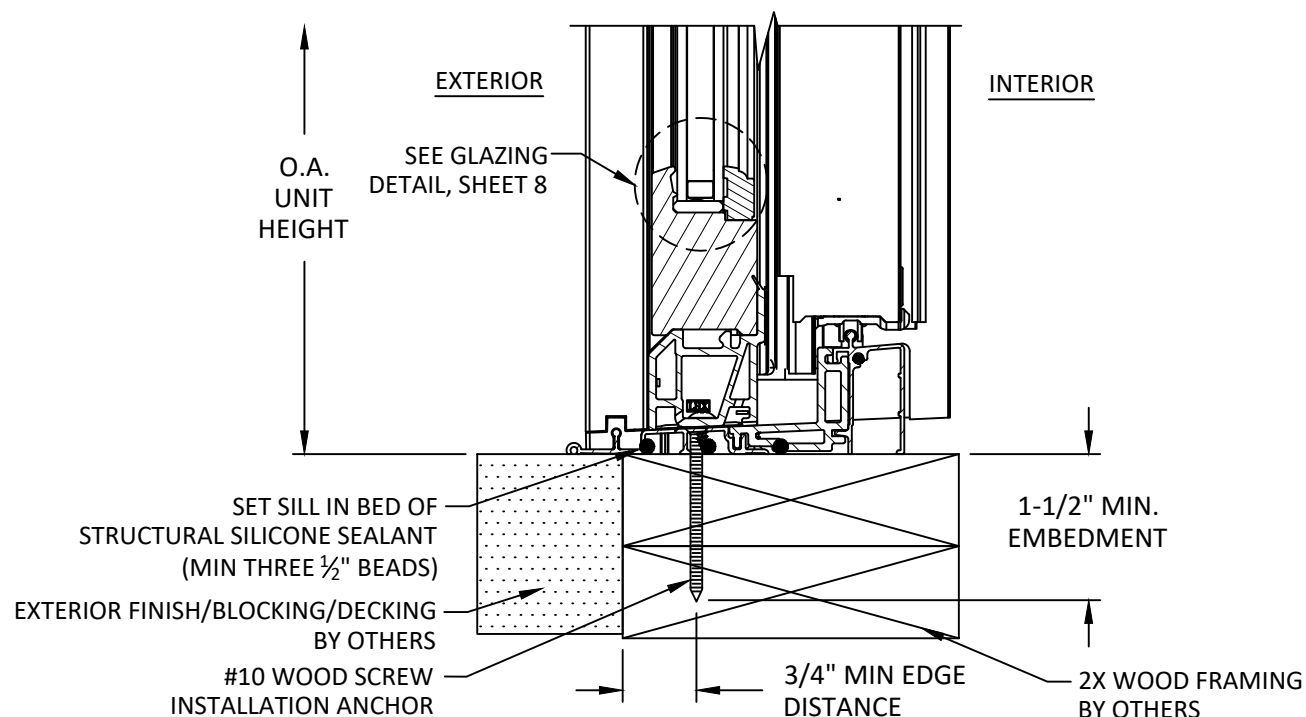
A
4 **VERTICAL SECTION**
HEAD - 2X WOOD/CONCRETE/MASONRY
THROUGH FRAME



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



C
4 **VERTICAL SECTION**
SILL - CONCRETE
THROUGH FRAME



D
4 **VERTICAL SECTION**
SILL - 2X WOOD
THROUGH FRAME

NOTE:
FASTENERS REQUIRED AT SILL FOR 4-PANEL
UNITS AND MULLED UNITS ONLY.



100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
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TITLE: 200 SERIES NARROWLINE
GLIDING PATIO DOOR
(NON-HVHZ)/(NON-IMPACT)

VERTICAL SECTIONS OXO

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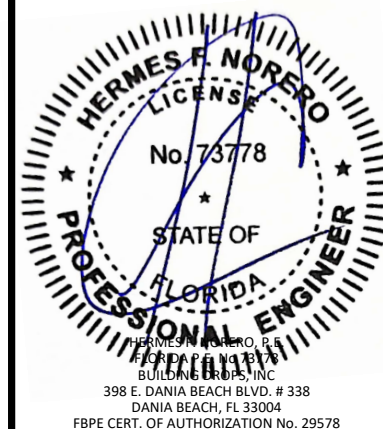
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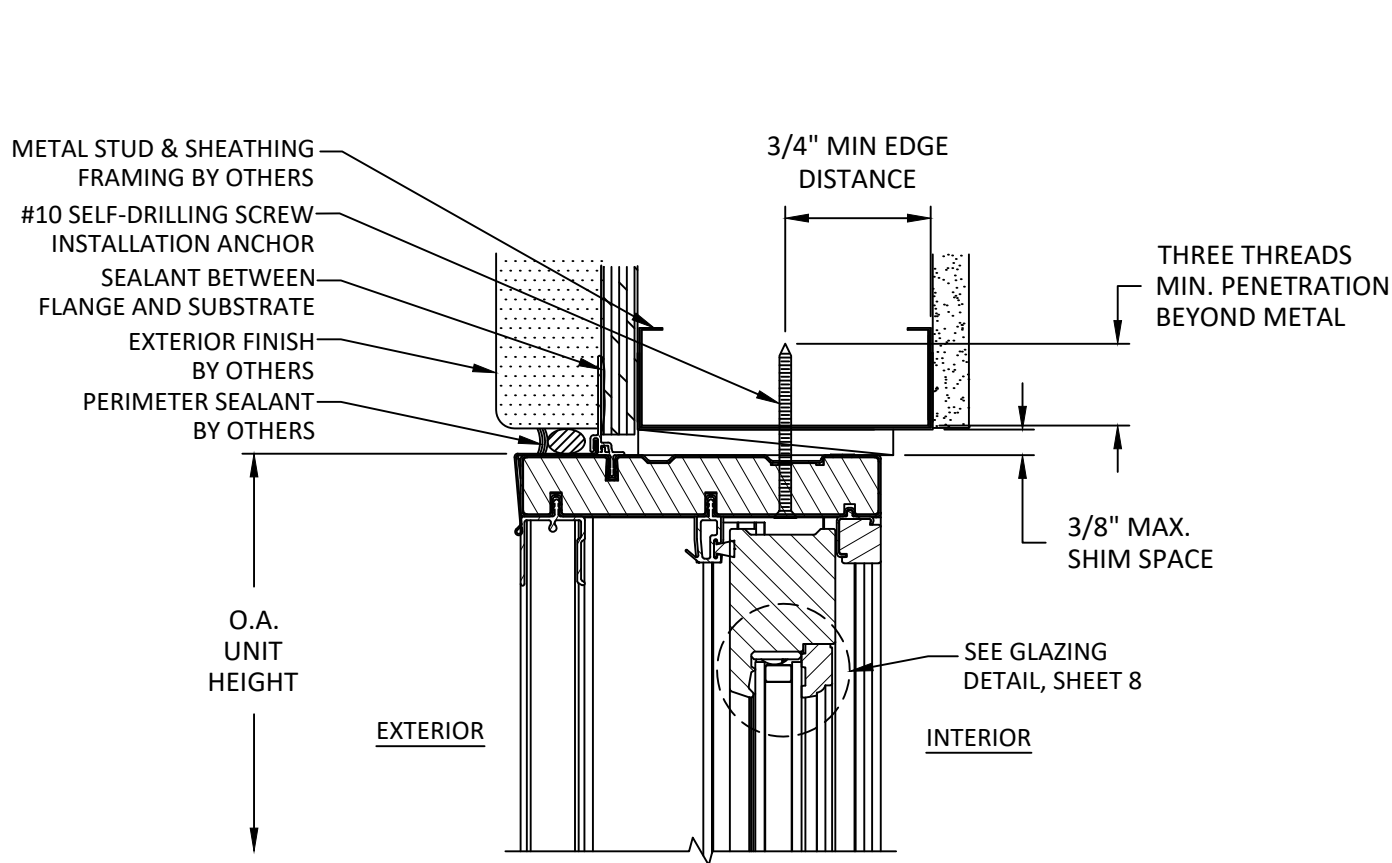
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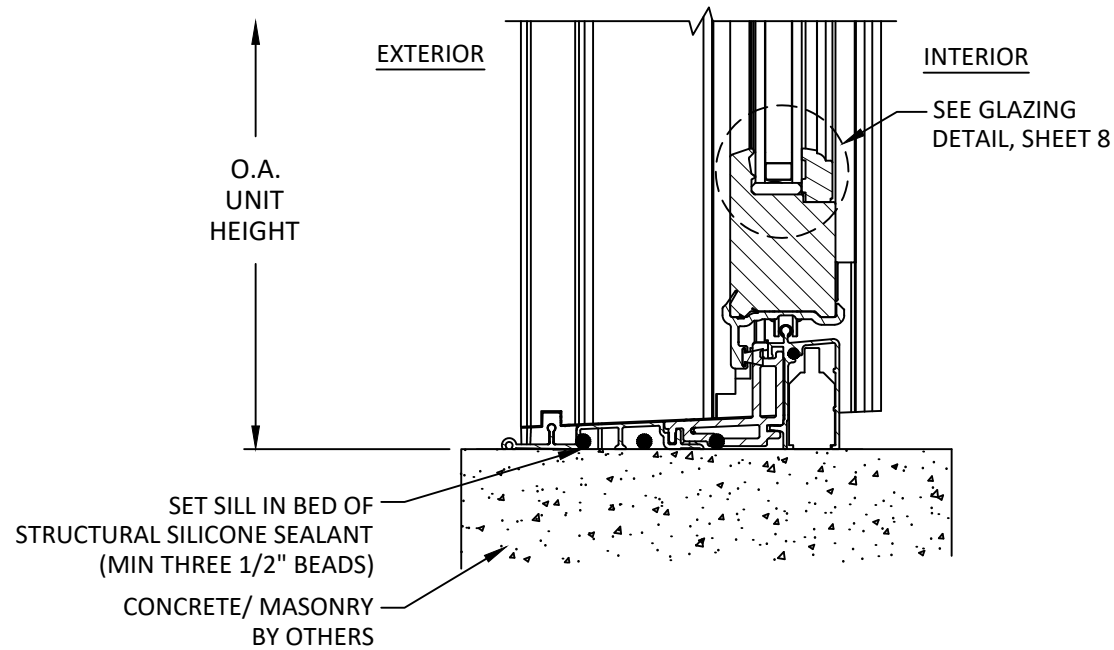
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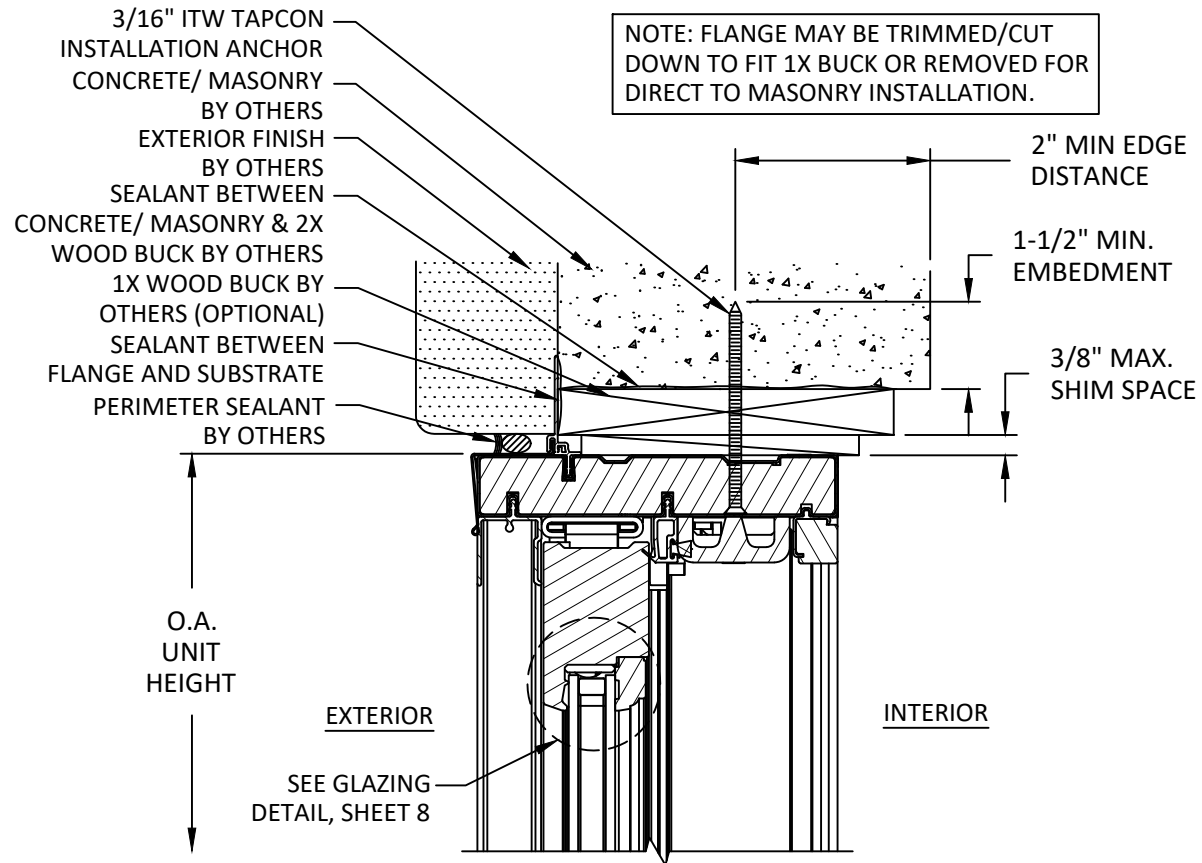
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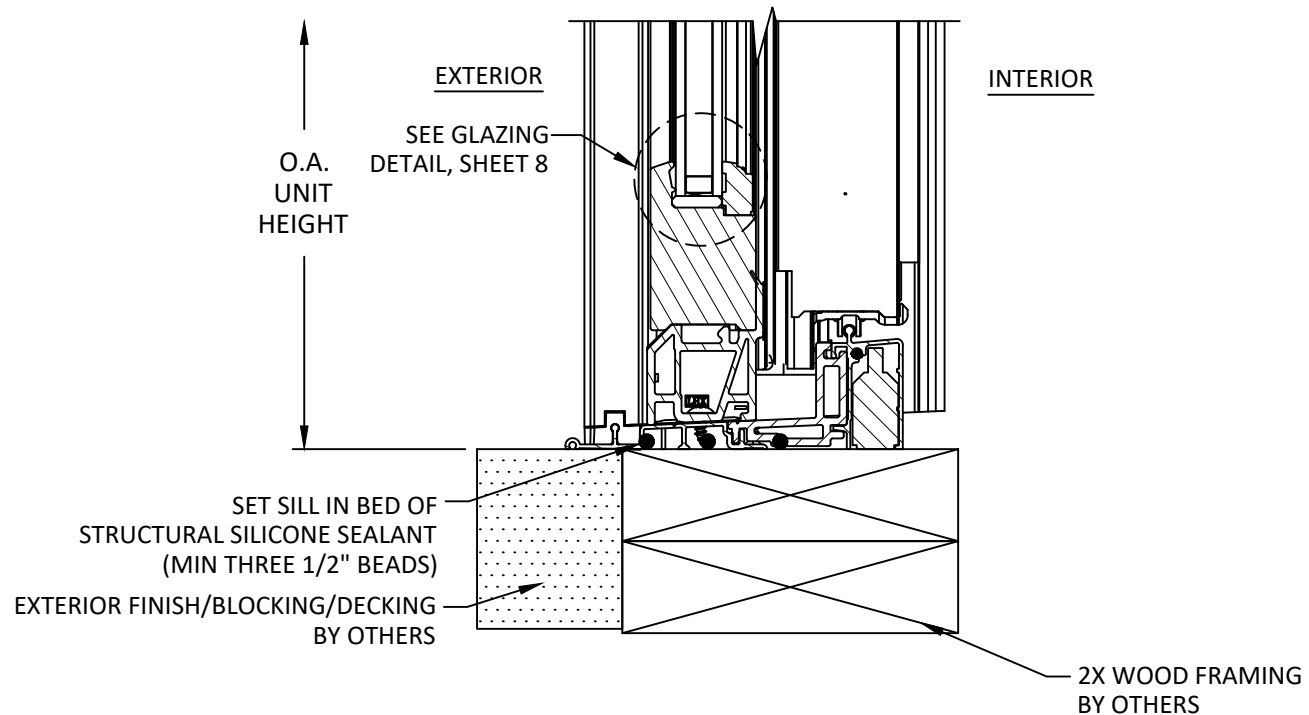
A
5 **VERTICAL SECTION**
HEAD - METAL SUBSTRATE
THROUGH FRAME



C
5 **VERTICAL SECTION**
SILL - CONCRETE



B
5 **VERTICAL SECTION**
HEAD - 1X WOOD/CONCRETE/MASONRY
THROUGH FRAME



D
5 **VERTICAL SECTION**
SILL - 2X WOOD



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TITLE: 200 SERIES NARROWLINE
GLIDING PATIO DOOR
(NON-HVHZ)/(NON-IMPACT)

VERTICAL SECTIONS OX

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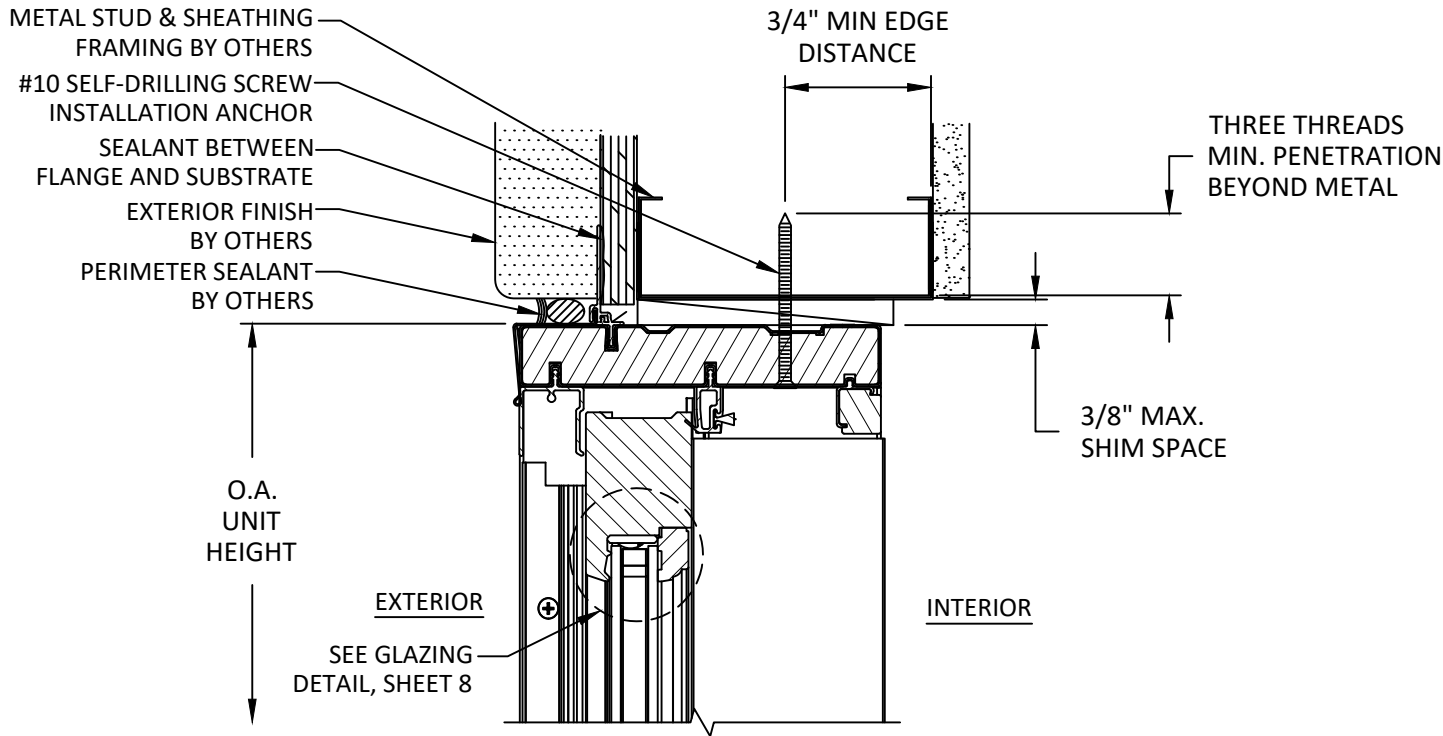
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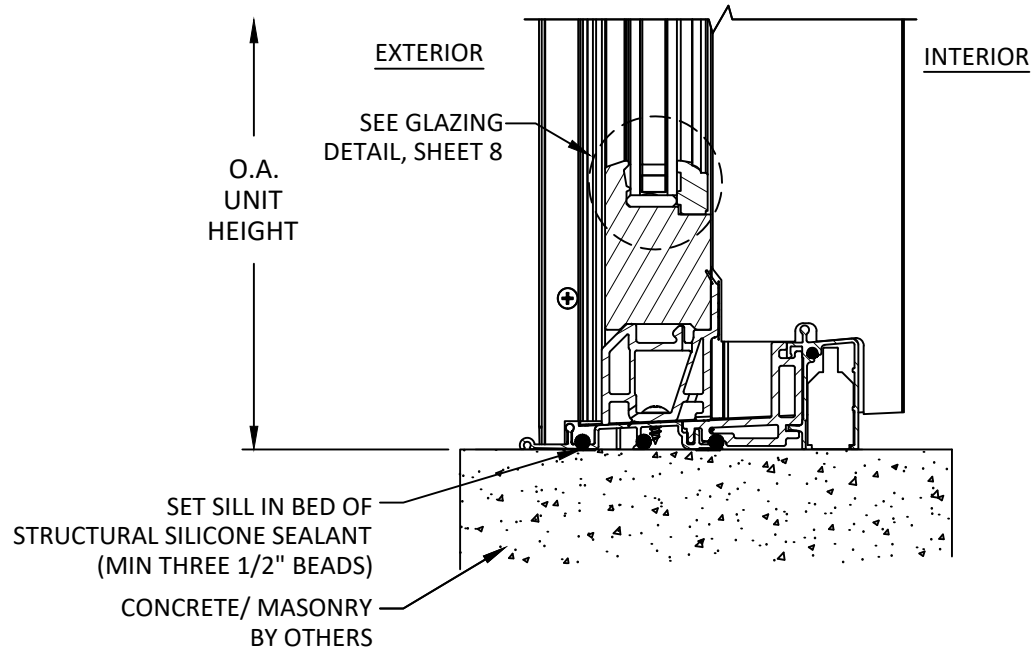
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A
6 **VERTICAL SECTION**
HEAD - METAL SUBSTRATE
THROUGH FRAME



B
6 **VERTICAL SECTION**
SILL - CONCRETE



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VERTICAL SECTIONS 0

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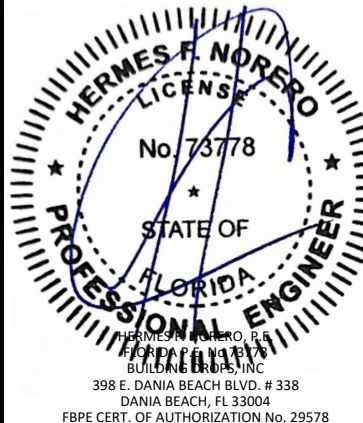
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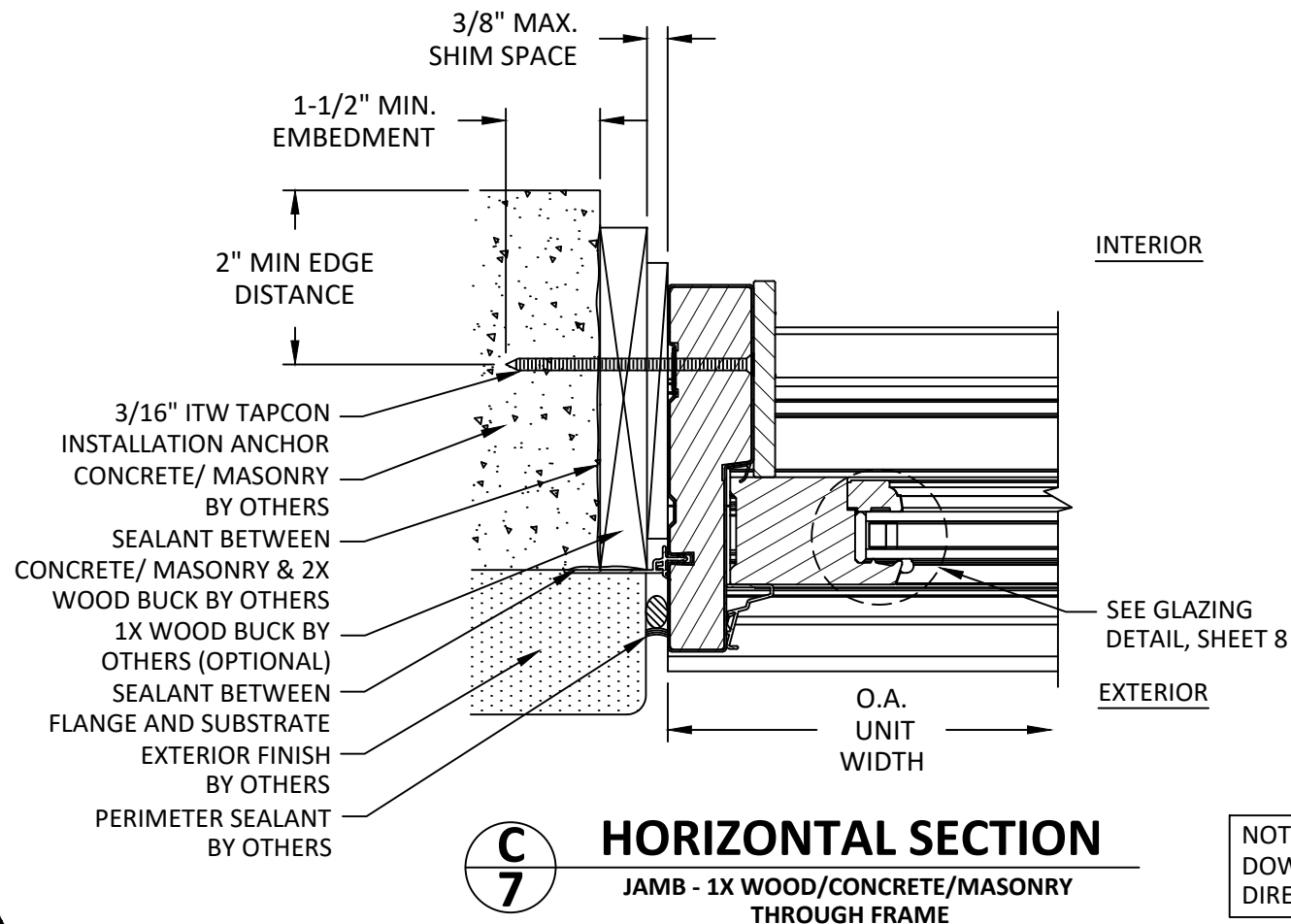
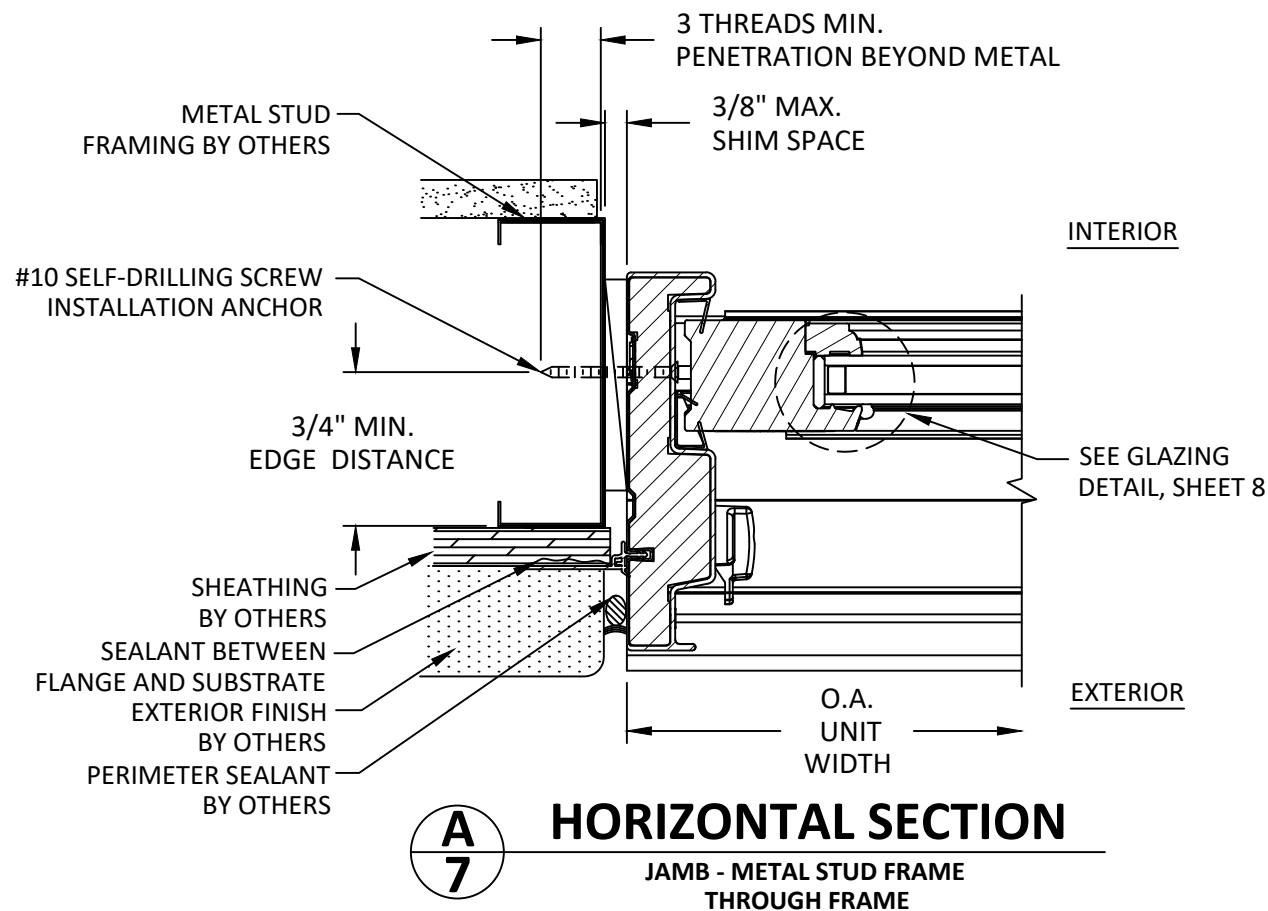
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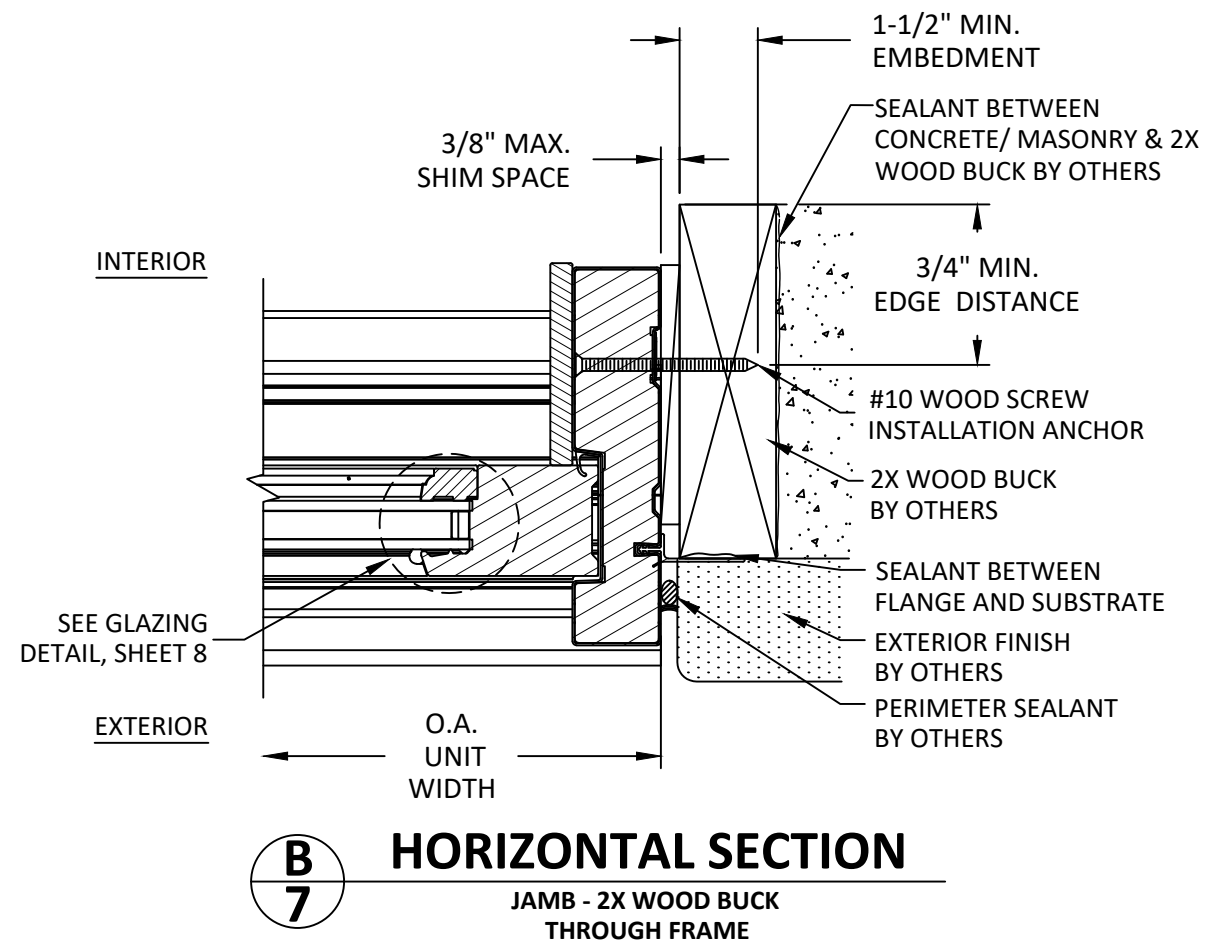
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NOTE: FLANGE MAY BE TRIMMED/CUT
DOWN TO FIT 1X BUCK OR REMOVED FOR
DIRECT TO MASONRY INSTALLATION.



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HORIZONTAL SECTIONS

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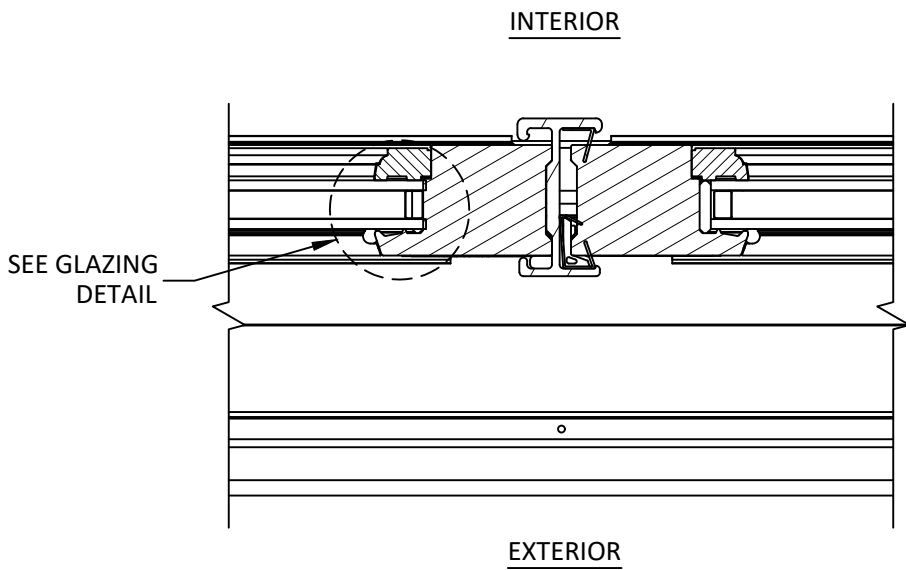
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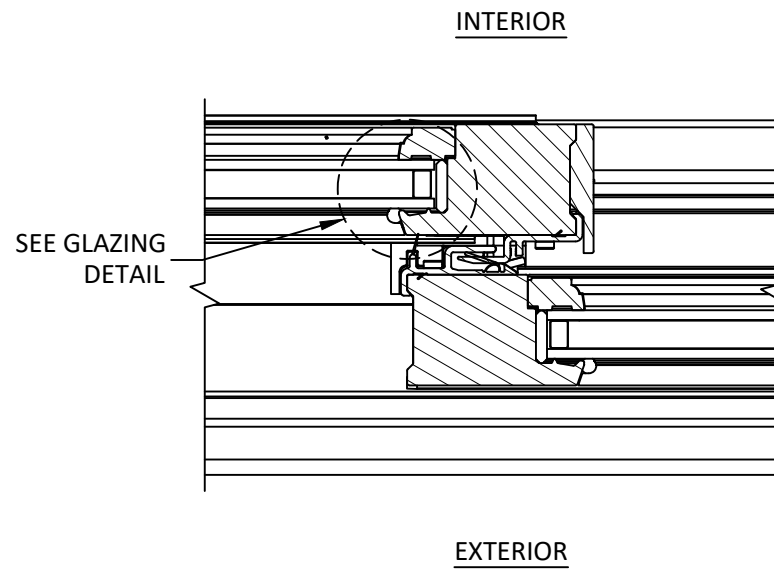
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OF 10

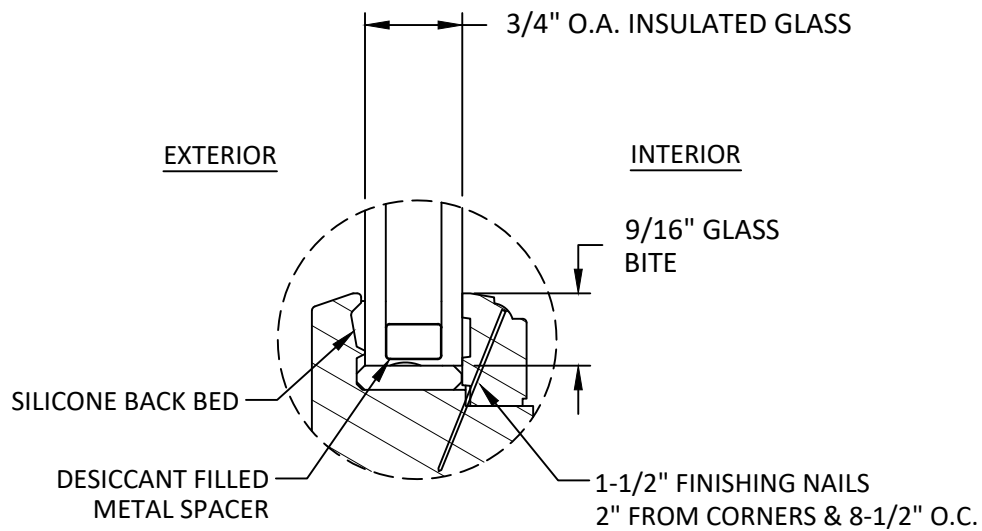
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A
8 **HORIZONTAL SECTION**
MEETING STILES



B
8 **HORIZONTAL SECTION**
INTERLOCK



GLAZING DETAIL 1

NOTE:

1. ALL GLAZING SHALL MEET SAFETY GLAZING REQUIREMENTS AS PER CH 24 OF THE FBC.
2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN CHAPTER 24.
3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER CHAPTER 24.
4. D.L.O. MAY NOT EXCEED MAX DIMENSIONS SHOWN IN ELEVATIONS.



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TITLE: 200 SERIES NARROWLINE
GLIDING PATIO DOOR
(NON-HVHZ)/(NON-IMPACT)
HORIZONTAL SECTIONS
& GLAZING DETAILS

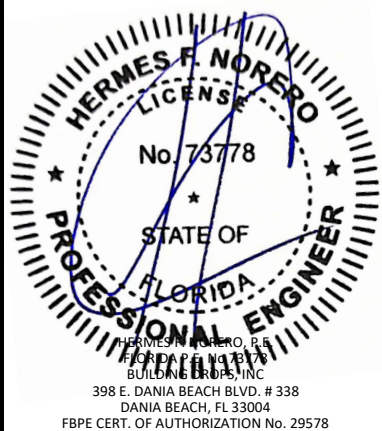
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8TH FBC CODE CHANGE	SH	5.24.23

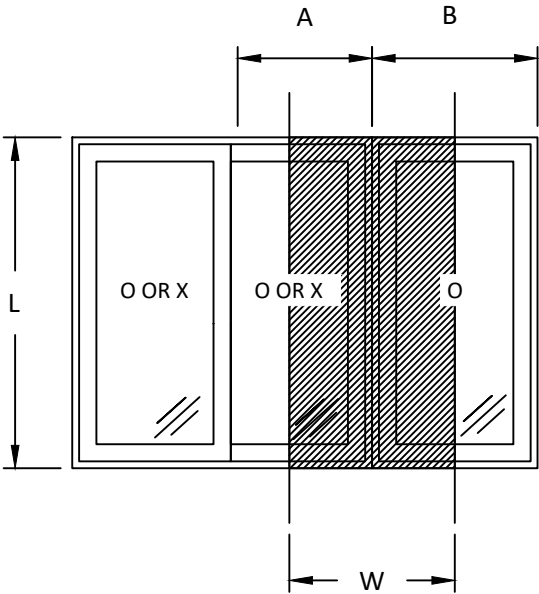
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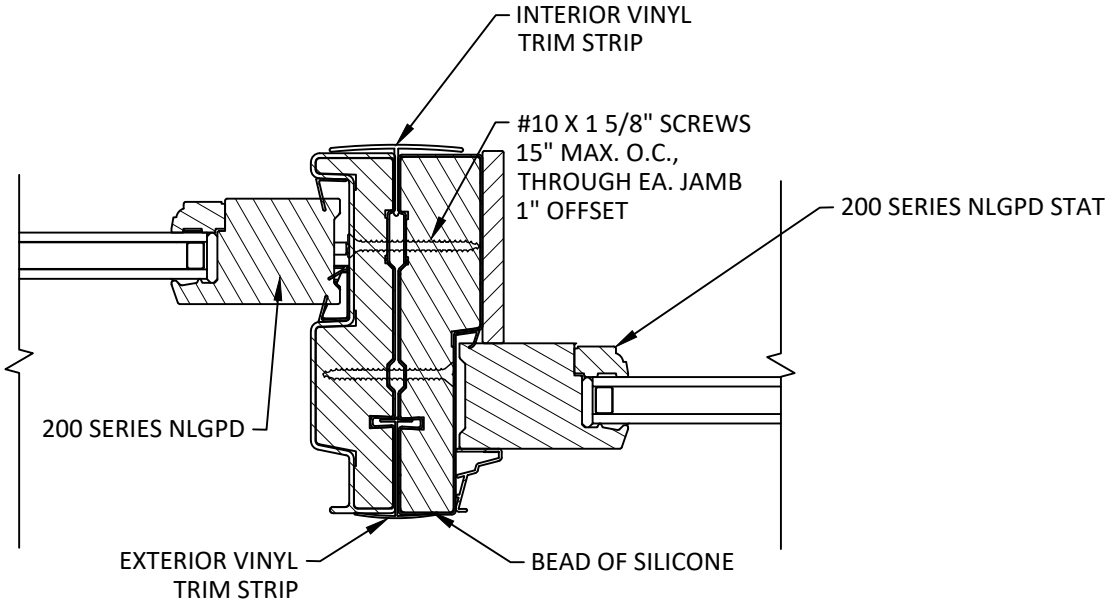
FL #:	FL14429
DATE:	09.28.17
DWG. BY:	SM
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD112
SHEET:	8

L - MULL LENGTH (IN)	MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF):										
	W - TRIBUTARY WIDTH (IN)										
	18.0	21.0	24.0	27.0	30.0	33.0	36.0	39.0	42.0	45.0	48.0
36.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
42.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
48.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
54.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
60.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
66.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.8	47.8	46.1	44.8
72.0	50.0	50.0	50.0	50.0	50.0	49.3	46.5	44.1	42.2	40.6	39.2
78.0	50.0	50.0	50.0	50.0	47.8	44.5	41.8	39.6	37.7	36.2	34.8
84.0	50.0	50.0	50.0	47.5	43.6	40.6	38.0	35.9	34.1	32.6	31.4
90.0	50.0	50.0	48.3	43.7	40.1	37.2	34.8	32.9	31.2	29.7	28.5
96.0	50.0	50.0	44.8	40.6	37.2	34.4	32.2	30.3	28.7	27.3	26.1

- NOTE:
- 1) MULLION CHART APPLIES TO MULLION ASSEMBLIES, SEE TYP. DETAIL A/9, WHEN USED TO MULL DOORS IN CONFIGURATIONS SHOWN IN TYP. ELEVATION A AT RIGHT (2 PANEL XO ONLY).
 - 2) DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - 3) MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
 - 4) DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE JAMB-TO-JAMB WOOD MULLION OR THE INDIVIDUAL DOOR UNIT OF INSTALLATION.
 - 5) MULLION CHART ABOVE APPLIES TO MULLED ASSEMBLIES CONSISTING OF 200 SERIES NARROLINE GLIDING PATIO DOOR ACT-STAT UNITS AND STAT UNITS.
 - 6) ADJACENT DOORS SHALL BE FASTENED TO THE ROUGH OPENING WITH ADDITIONAL ANCHORS IN ACCORDANCE WITH DETAILS A/10 & B/10, SHEET 10.



ELEVATION A
TRIBUTARY WIDTH = W = (A+B)/2



A HORIZONTAL SECTION
NLGPD STAT - NLGPD



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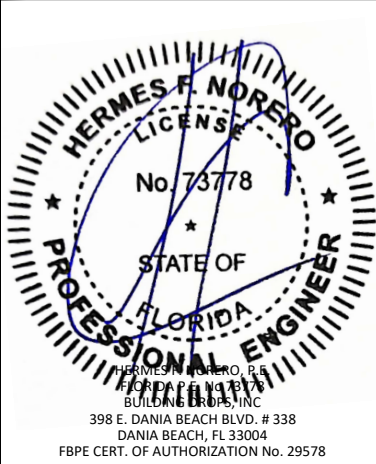
SIDELITE MULLIONS

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HERMES F. NORERO
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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 #:

FL14429

DATE: **09.28.17**

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SM

CHK. BY:

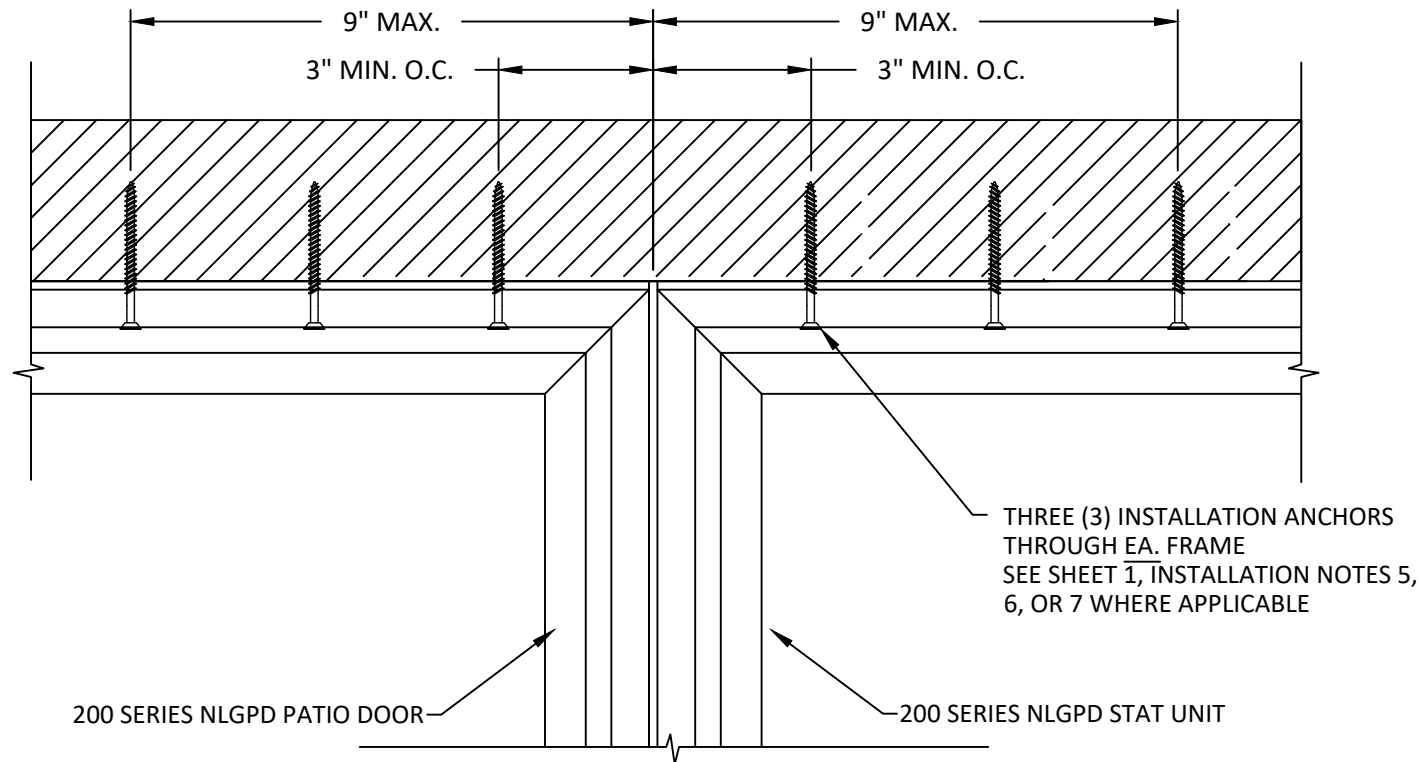
HFN

SCALE: **NTS**

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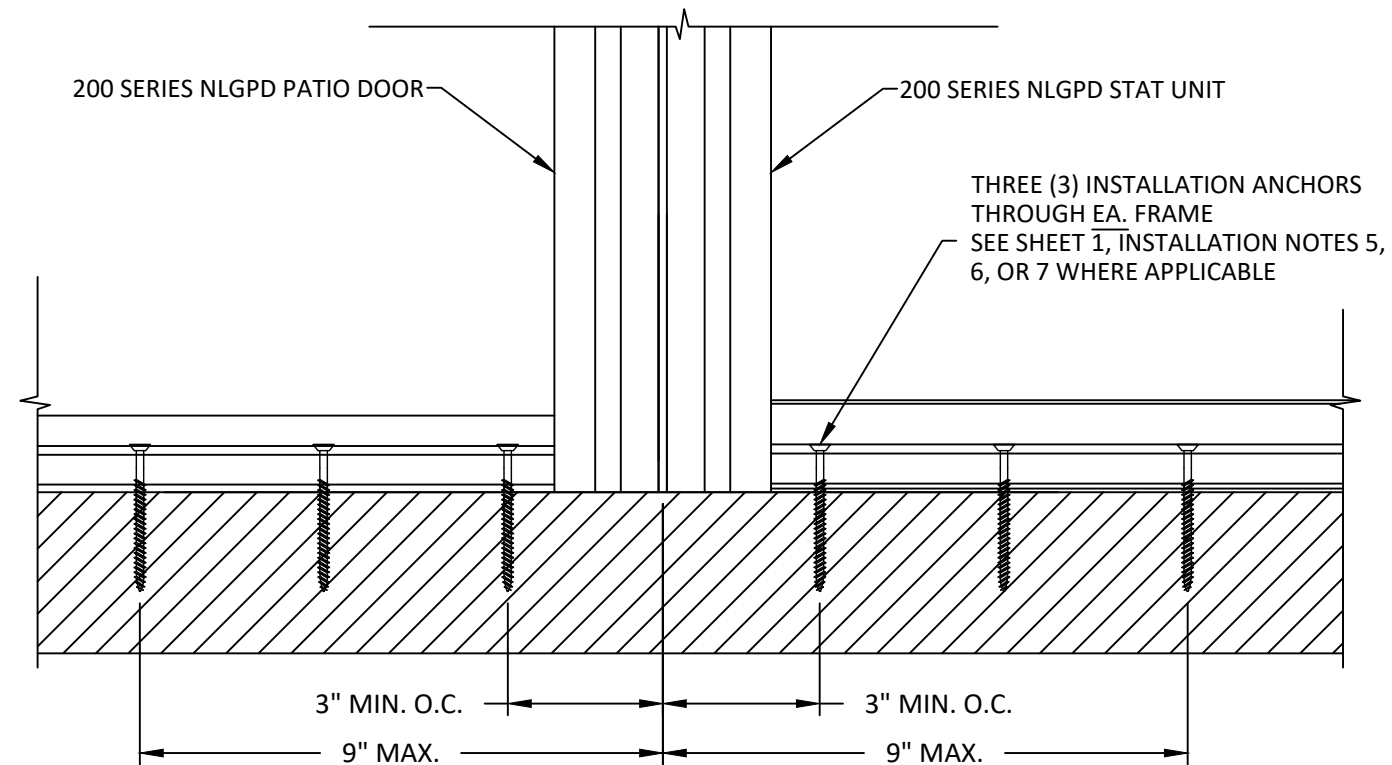
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A
10

EXTERIOR VIEW

MULLION ANCHOR DETAIL - HEAD
THROUGH FRAME - TYP.



B
10

EXTERIOR VIEW

MULLION ANCHOR DETAIL - SILL
THROUGH FRAME - TYP.



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MULLION ANCHOR DETAIL

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OF 10