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YKK AP AMERICA RESIDENTIAL

STYLEVIEW NO TRIM FACTORY MULLIONS

(NON-HVHZ) (NON-IMPACT)

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.
- 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.
- FOR UNCLIPPED MULLIONS: USE FOUR (4) #8 WOOD SCREWS, PER MULLION END, OF SUFFICIENT LENGTH TO ACHIEVE MINIMUM EMBEDMENT OF 1-½" INTO WOOD FRAMING. (SEE INSTALLATION DETAILS ON SHEETS 4 & 5).
- FOR UNCLIPPED MULLIONS: USE FOUR (4) #8 SAE GR. 5 SELF-DRILLING OR SELF-TAPPING SCREWS, PER MULLION END, OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM 3 THREADS PENETRATION BEYOND METAL SUBSTRATE. (SEE INSTALLATION DETAILS ON SHEETS 4 & 5).
- MINIMUM EDGE DISTANCES ARE BASED ON 3/4" FOR #8 WOOD SCREWS & 1/2" FOR #8 SELF-TAPPING OR SELF-DRILLING SCREWS.
- 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. (0.0478") WALL THICKNESS.

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), EXCLUDING HVHZ AND HAD BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/I.S.2/A440-17
 - ASTM E283-04(12)
 - ASTM E330-14
- APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGION.
- ADEQUACY OF THE EXISTING STRUCTURAL 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.
- 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.
- THIS MULLION IS ONLY VALID WHEN USED IN CONJUNCTION WITH APPLICABLE YKK AP AMERICA RESIDENTIAL PRODUCTS. QUALIFIED CONFIGURATIONS INCLUDE FIXED-FIXED & FIXED-OPERABLE CONFIGURATIONS OF SINGLE HUNG AND FIXED WINDOW PRODUCTS.
- ALL WINDOWS USED WITH THIS MULLION SHALL BE QUALIFIED UNDER SEPARATE APPROVAL. THE LESSER DESIGN PRESSURE RATING OF THE WINDOW OR THE MULLION OF INSTALLATION SHALL GOVERN THE OVERALL DESIGN PRESSURE OF THE ASSEMBLY.
- MULLION MATERIAL: 6063-T5 ALUMINUM.
- IN ACCORDANCE WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED.

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	INSTALLATION & GENERAL NOTES
2	ELEVATIONS
3	UNCLIPPED FACTORY MULLION ELEVATION AND ASSEMBLY
4	VERTICAL & HORIZONTAL SECTIONS (SINGLE HUNG WINDOW)
5	VERTICAL & HORIZONTAL SECTIONS (FIXED WINDOW)
6	ONE-WAY UNCLIPPED MULLION DESIGN PRESSURE TABLES



YKK AP AMERICA RESIDENTIAL
4234 OCMULGEE BLVD.
MACON, GEORGIA 31217
PH: (866) 348-9091

TITLE:
STYLEVIEW NO TRIM FACTORY MULLIONS
(NON-HVHZ) (NON-IMPACT)

INSTALLATION & GENERAL NOTES

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DANIA BEACH, FL 33004
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REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero
Reason: I am approving this document
Date: 2020.08.26 00:00:01 -0400

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

FL #:
FL22027

DATE: **01.02.02**

DWG. BY: **RV** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **YKK259**

SHEET:
1

OF 6

TITLE:
**STYLEVIEW NO TRIM FACTORY MULLIONS
(NON-HVHZ) (NON-IMPACT)**

ELEVATIONS

PREPARED BY: BUILDING DROPS, INC.



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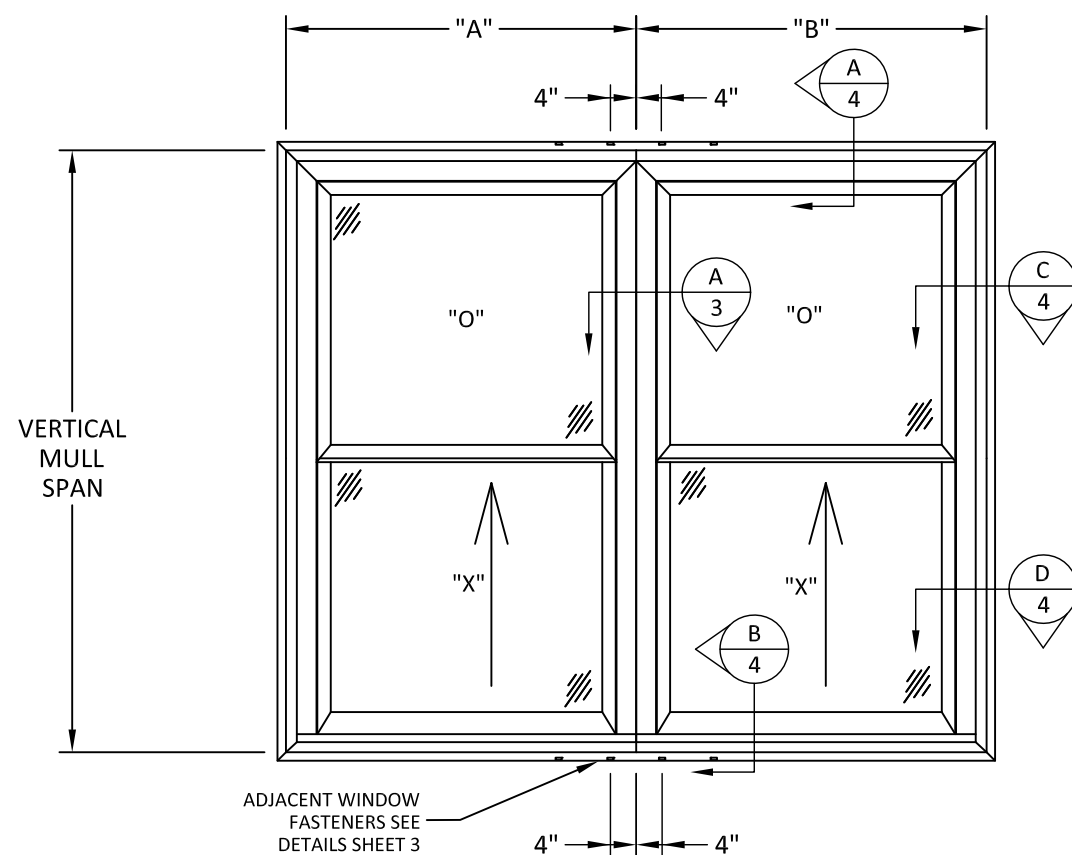
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DWG. #: YKK259

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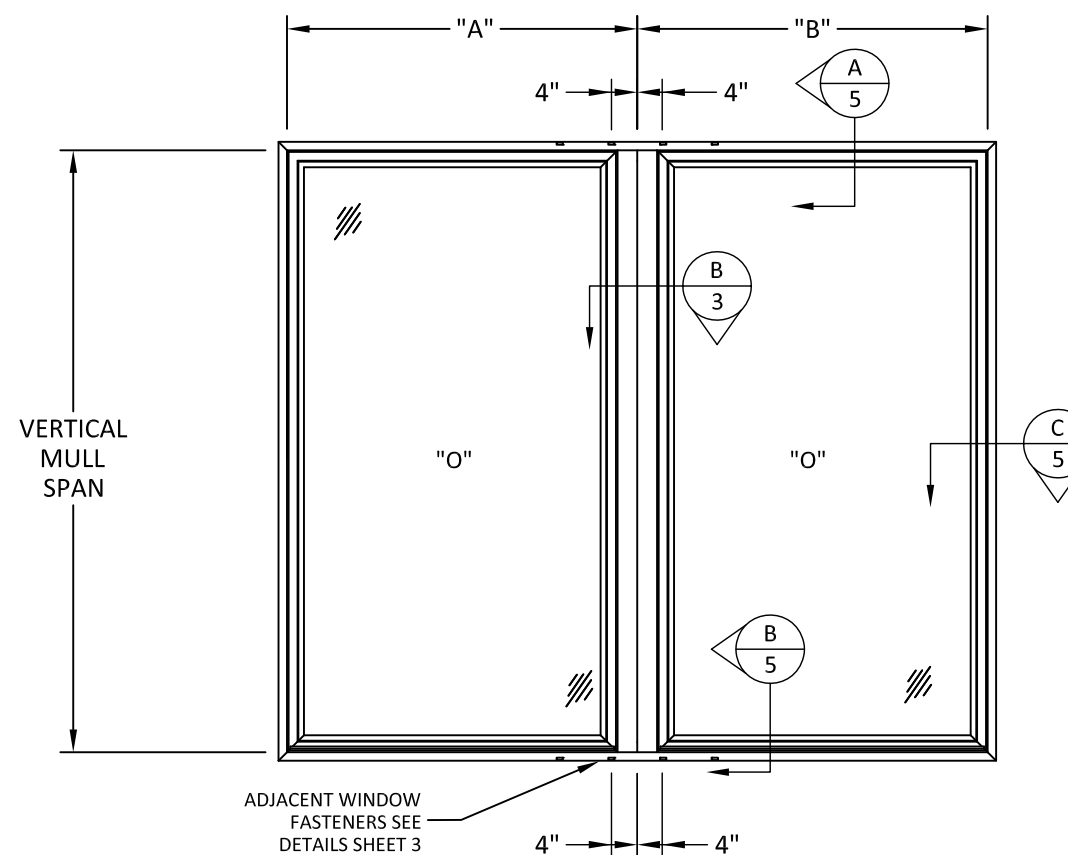
OF 6



VERTICAL MULLION

MULLED SINGLE HUNG

SEE GEN. NOTE 6 ON SHEET 1 FOR QUALIFIED
CONFIGURATIONS



VERTICAL MULLION

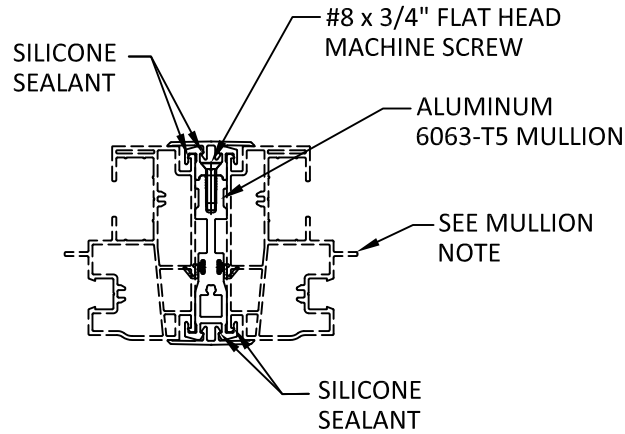
MULLED FIXED WINDOW

SEE GEN. NOTE 6 ON SHEET 1 FOR QUALIFIED
CONFIGURATIONS

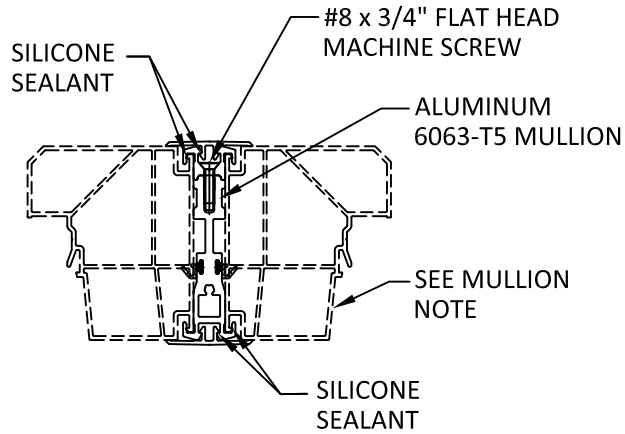
NOTE:
WINDOWS ARE UNDER SEPERATE APPROVAL AND
SHALL BE ANCHORED ALONG THE PERIMETER AS
REQUIRED BY SEPARATE APPROVAL.

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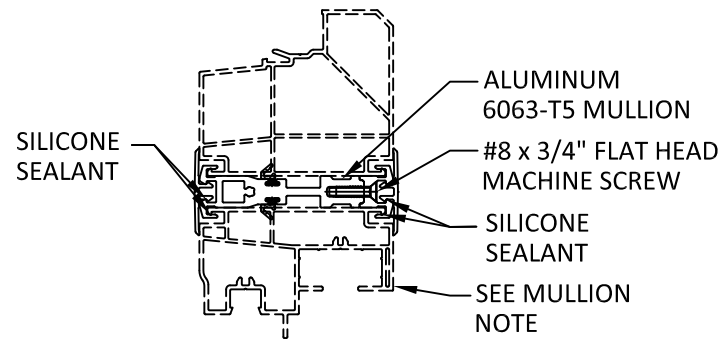
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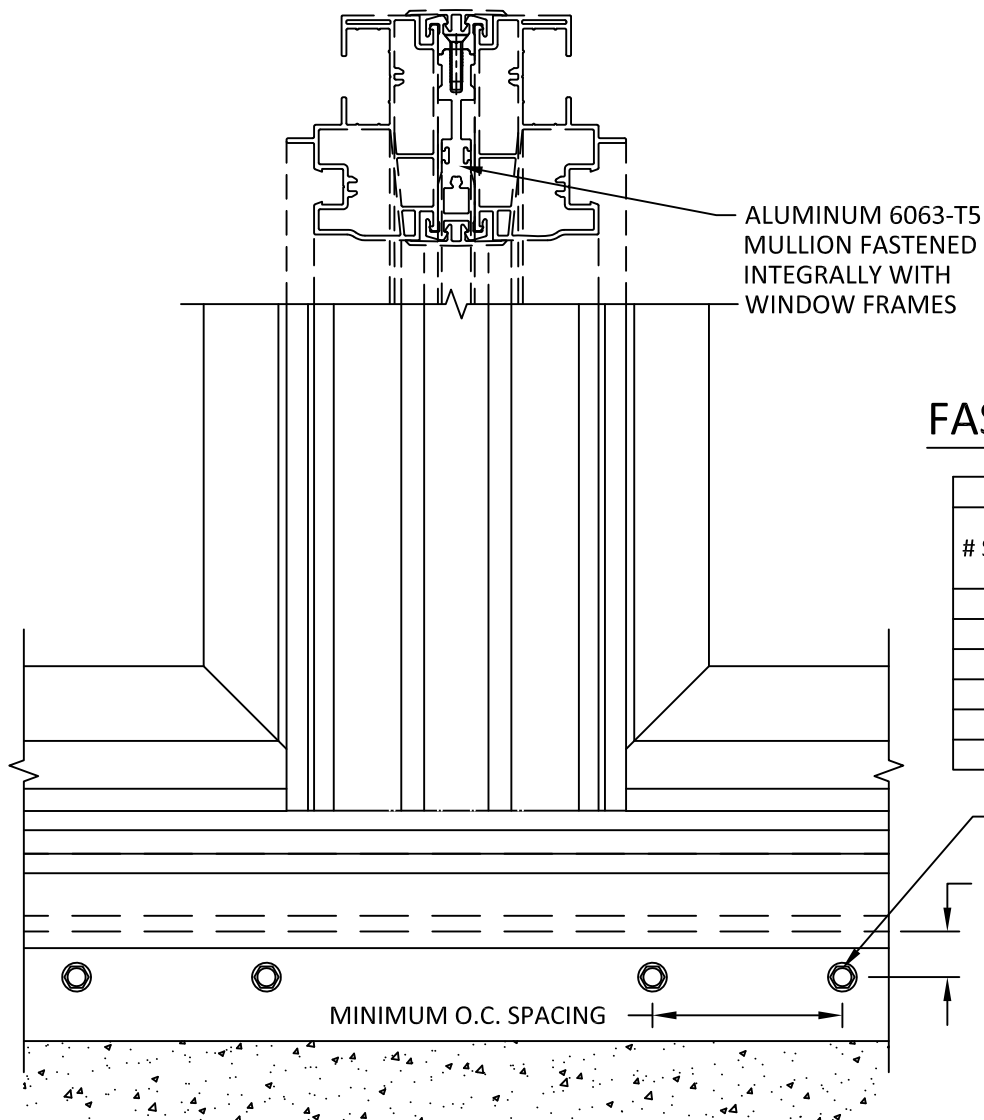
A
3 **HORIZONTAL SECTION**
UNCLIPPED MULLION



B
3 **HORIZONTAL SECTION**
UNCLIPPED MULLION



C
3 **VERTICAL SECTION**
UNCLIPPED MULLION



D
3 **FRONT VIEW**
SILL CONDITION
UNCLIPPED MULLION
(HEAD & JAMB SAME INSTALLATION)

FASTENER LAYOUT

•	A
•	B
•	C*
•	D**
•	D**
•	C*
•	B
•	A

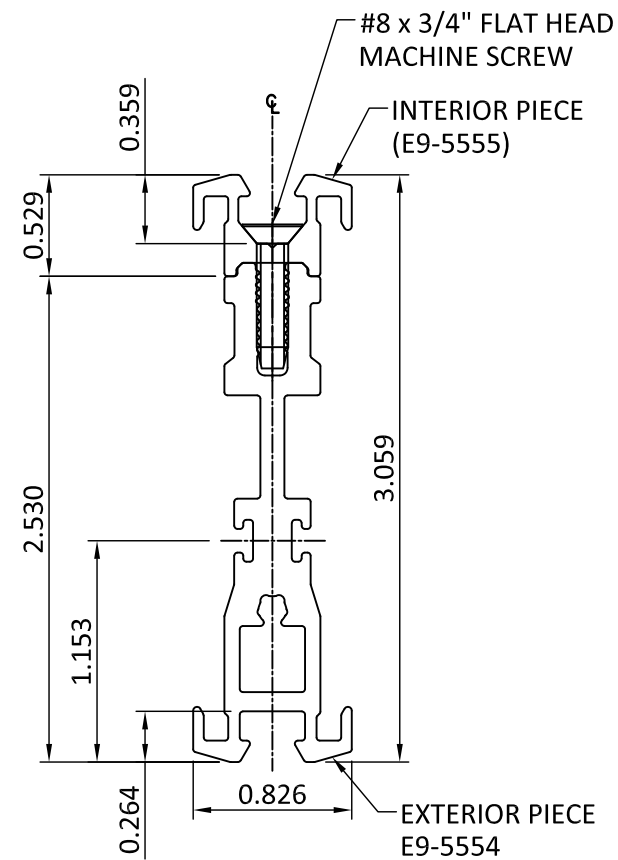
* C ONLY REQUIRED FOR MULLION GREATER THAN OR EQUAL TO 29.5".
** D ONLY REQUIRED FOR MULLION GREATER THAN OR EQUAL TO 49.5".

QUANTITY & LOCATION OF #8 X 3/4" FLAT HEAD MACHINE SCREWS					
# SCREWS	REINFORCEMENT LENGTH (INCHES)	SCREW LOCATION FROM BOTH END (INCHES)			
		A	B	C	D
8	$69.5 \leq L \leq 79.5$	1	6	17.5	28
8	$59.5 \leq L < 69.5$	1	6	15	24
8	$49.5 \leq L < 59.5$	1	6	12.5	20
6	$39.5 \leq L < 49.5$	1	6	15	
6	$29.5 \leq L < 39.5$	1	6	12	
4	$24 \leq L < 29.5$	1	6		

INSTALLATION SCREW PER "FRAME ANCHOR REQUIREMENTS" TABLE

MIN. EDGE DISTANCE

NAIL FIN ANCHOR REQUIREMENTS		
ANCHOR SUMMARY TABLE		
ANCHOR	EMBEDMENT	EDGE DISTANCE
#8 WOOD SCREWS	1-1/2"	3/4"
#8 SELF DRILLING SCREW	3 PITCHES OF THREAD	1/2"



MULLION DETAIL



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(NON-HVHZ) (NON-IMPACT)

UNCLIPPED FACTORY MULLION
ELEVATION AND ASSEMBLY

PREPARED BY:

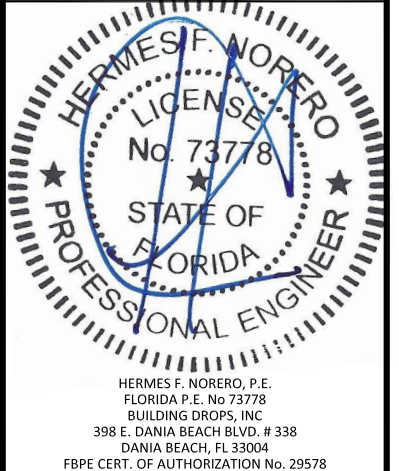
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CHK. BY:
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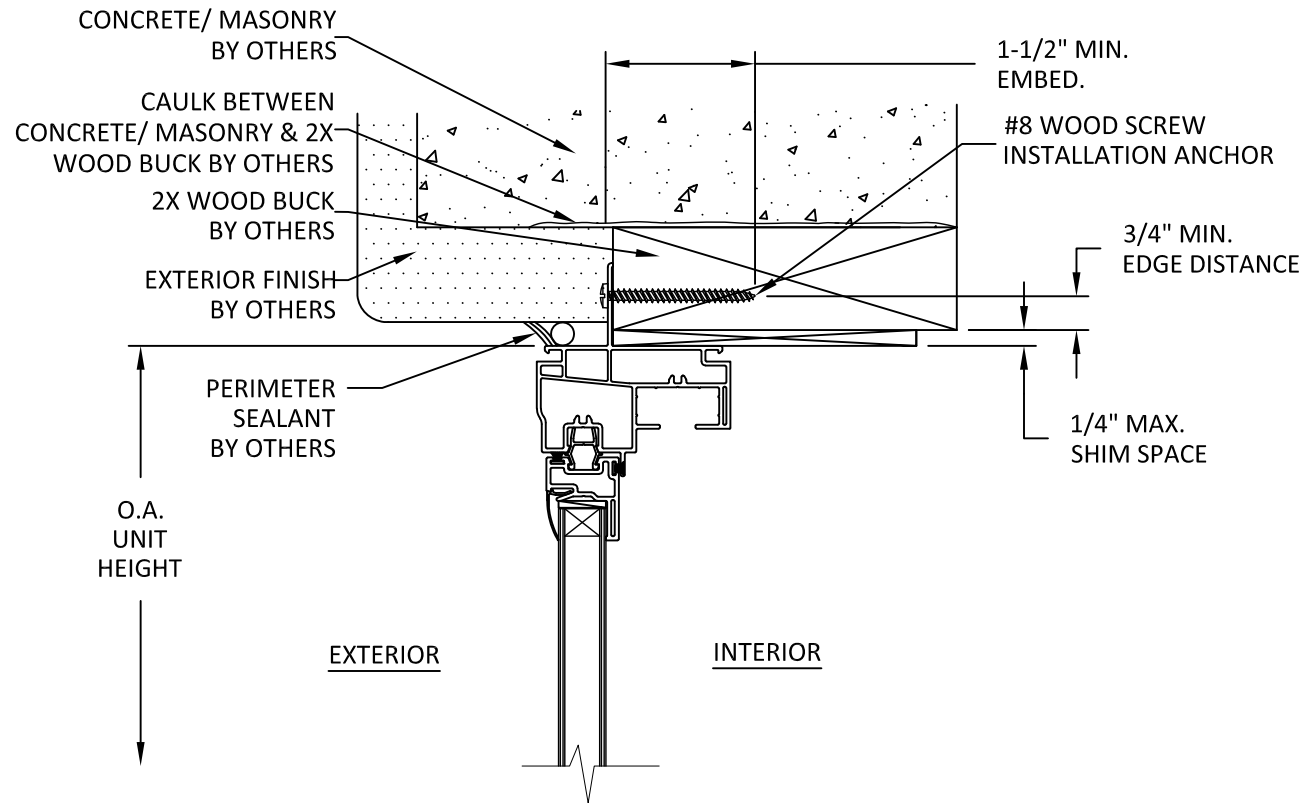
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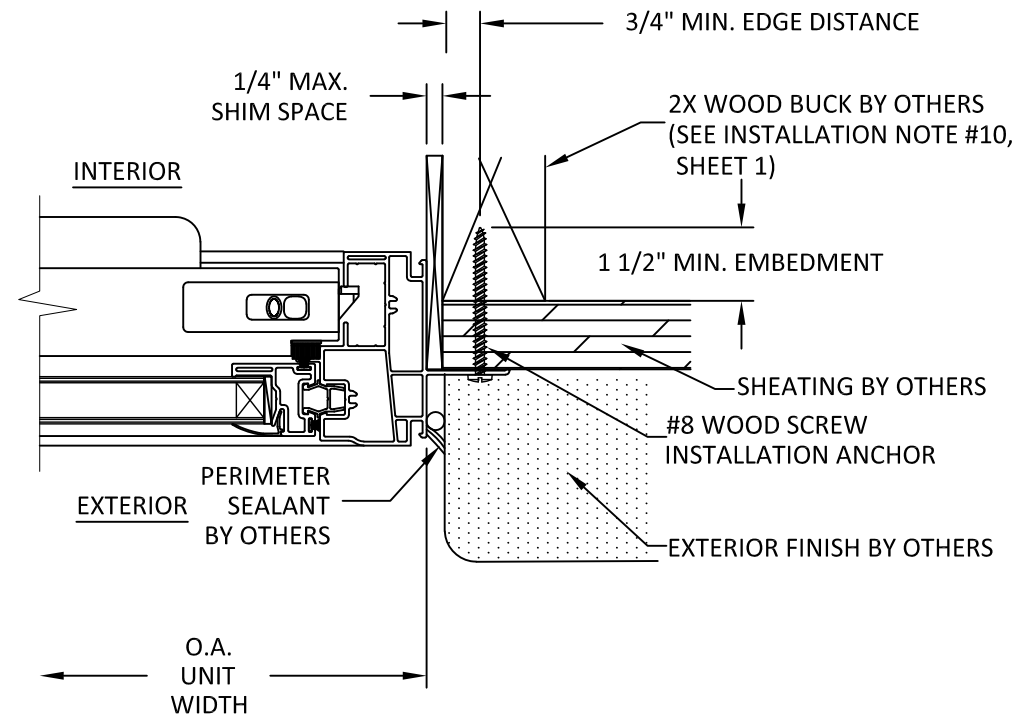
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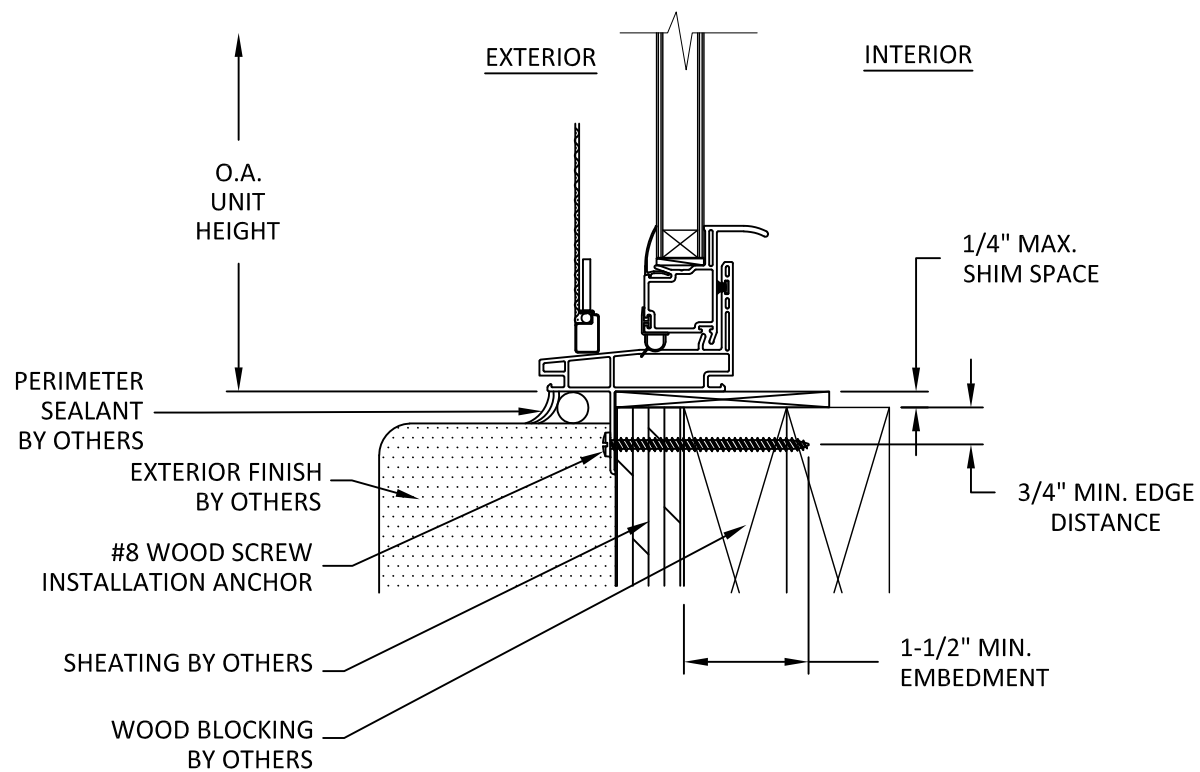
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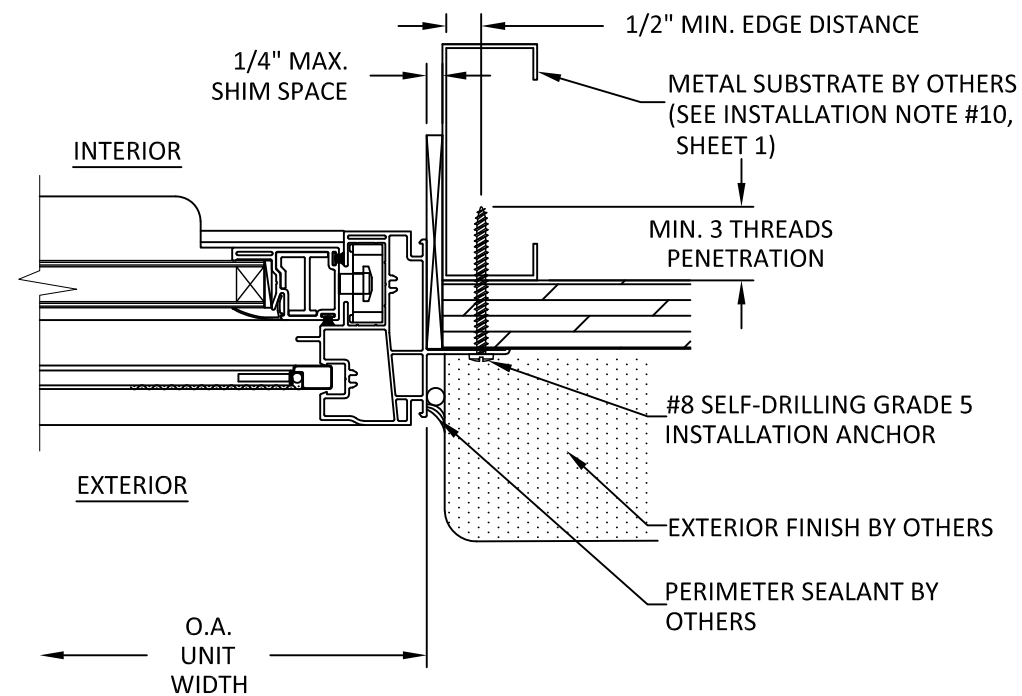
A
4 **HEAD SECTION (SINGLE HUNG)**
NAIL FIN INSTALLATION



C
4 **JAMB SECTION (SINGLE HUNG)**
FIXED JAMB - NAIL FIN INSTALLATION



B
4 **SILL SECTION (SINGLE HUNG)**
NAIL FIN INSTALLATION



D
4 **JAMB SECTION (SINGLE HUNG)**
VENT JAMB - NAIL FIN INSTALLATION



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VERTICAL & HORIZONTAL SECTIONS
(SINGLE HUNG)

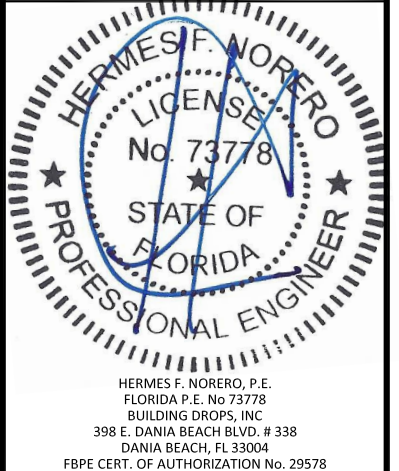
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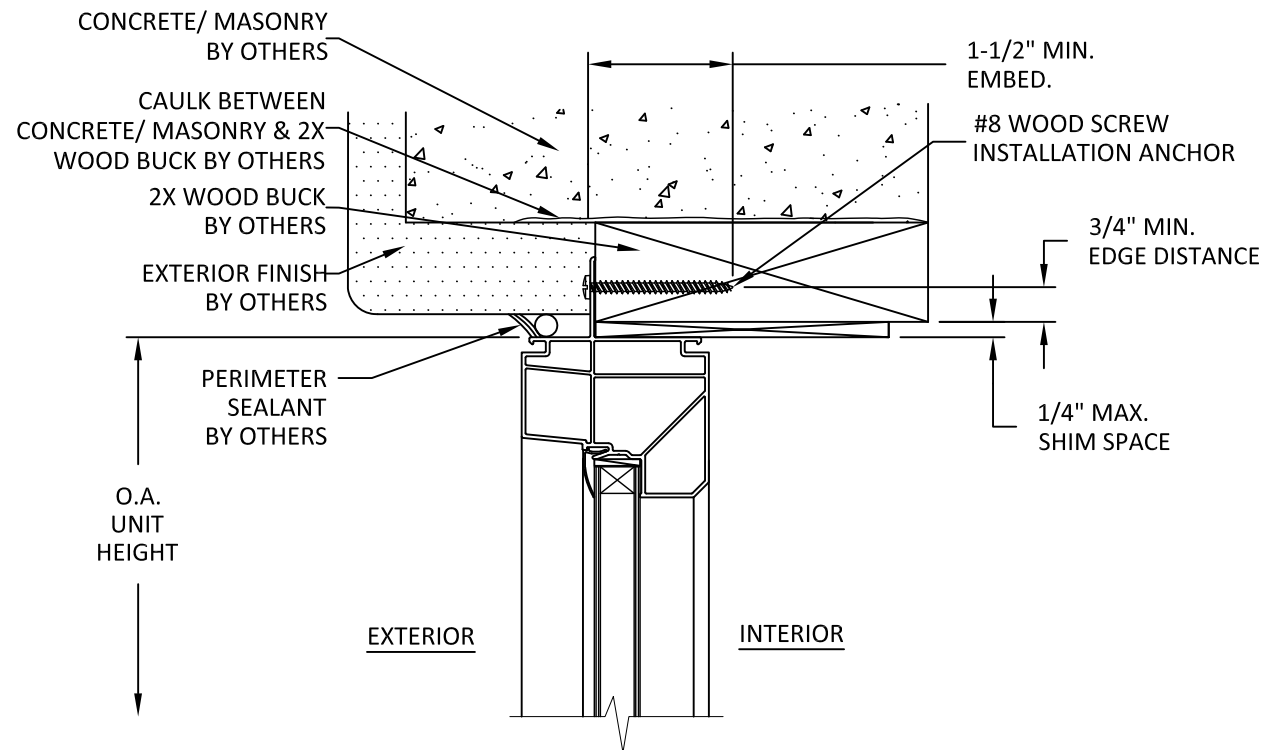
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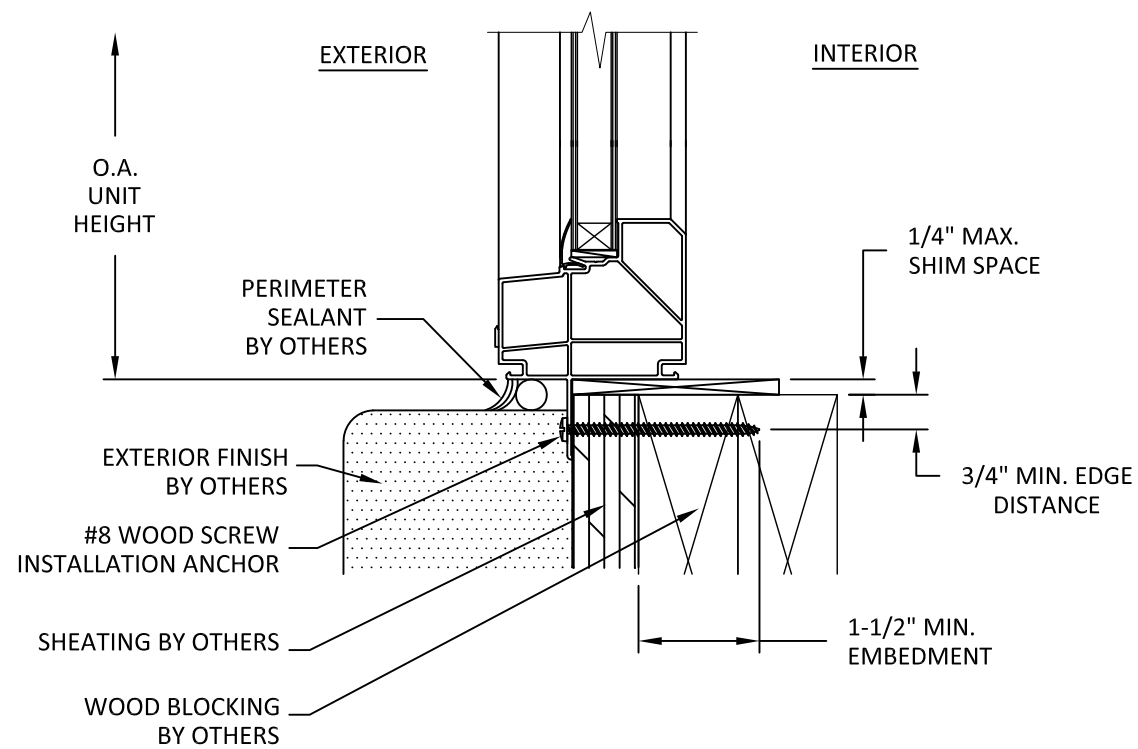
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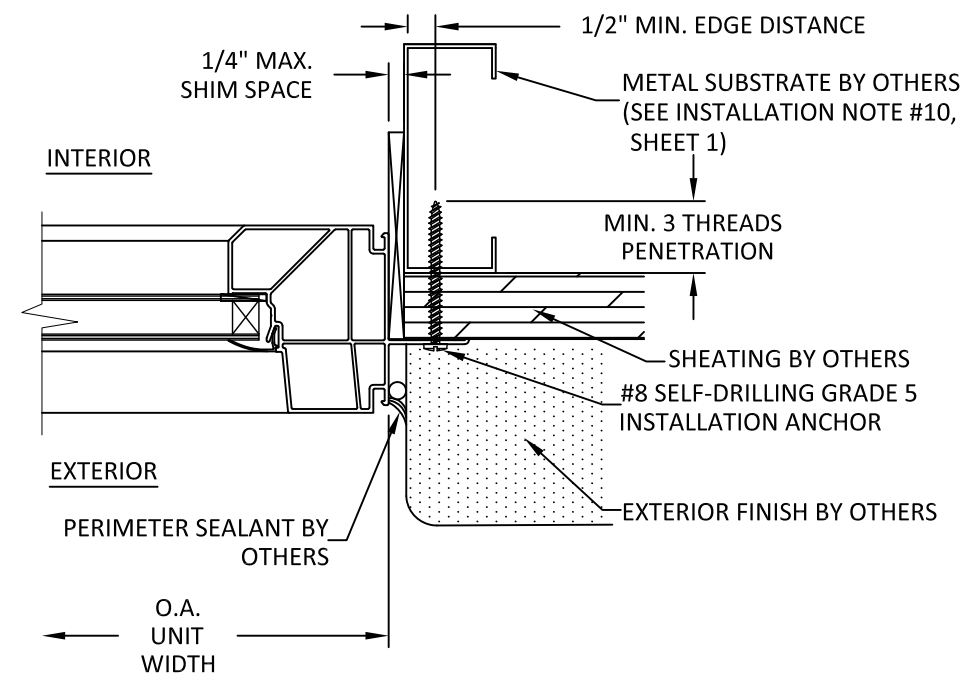
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A
5 **HEAD SECTION (FIXED WINDOW)**
NAIL FIN INSTALLATION
(SILL & JAMB ARE INSTALLED THE SAME)



B
5 **SILL SECTION (FIXED WINDOW)**
NAIL FIN INSTALLATION
(HEAD & JAMB ARE INSTALLED THE SAME)



C
5 **JAMB SECTION (FIXED WINDOW)**
FIXED JAMB - NAIL FIN INSTALLATION
(HEAD AND SILL ARE INSTALLED THE SAME)



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VERTICAL & HORIZONTAL SECTIONS
(FIXED WINDOW)

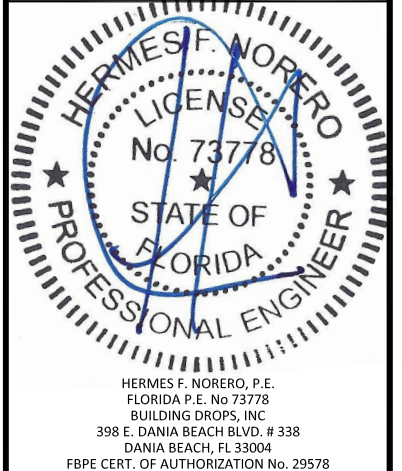
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STYLEVIEW NO TRIM FACTORY MULLION - NAIL FIN INSTALLATION
ONE-WAY CONFIGURATIONS (NO INTERMEDIATE MEMBERS)

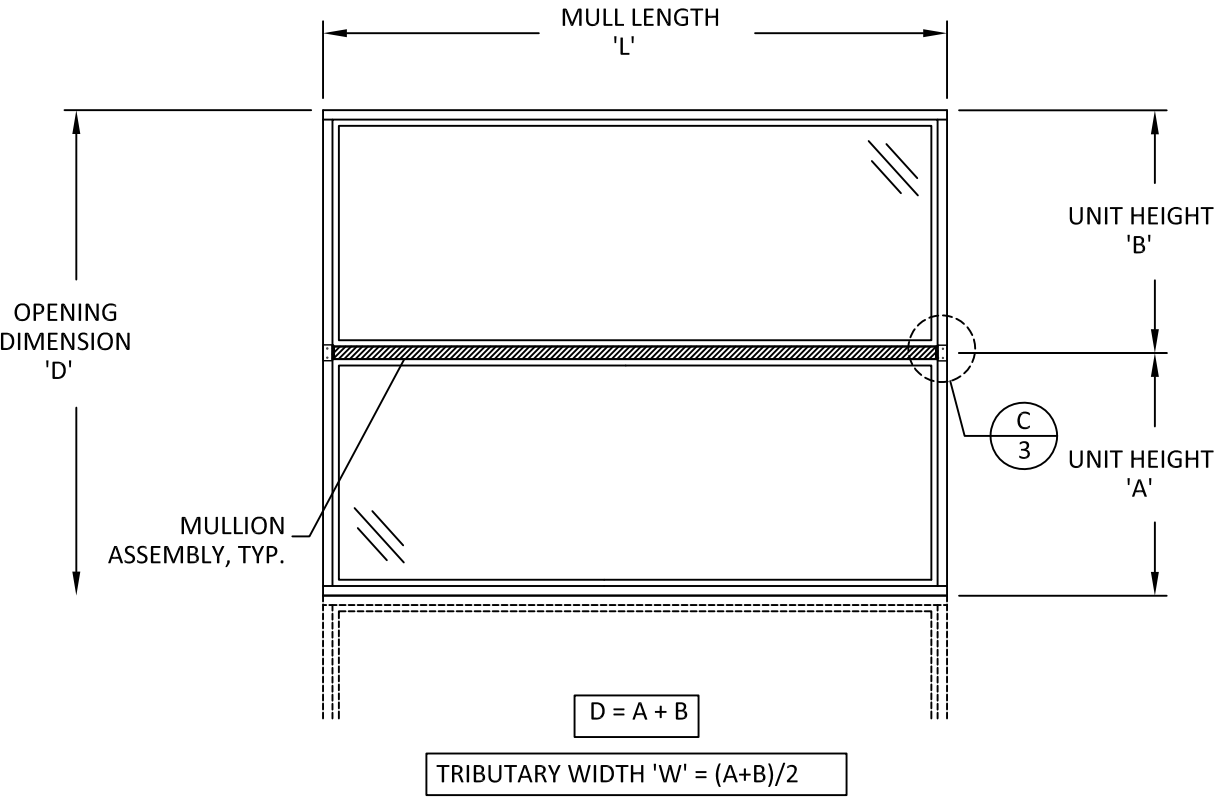
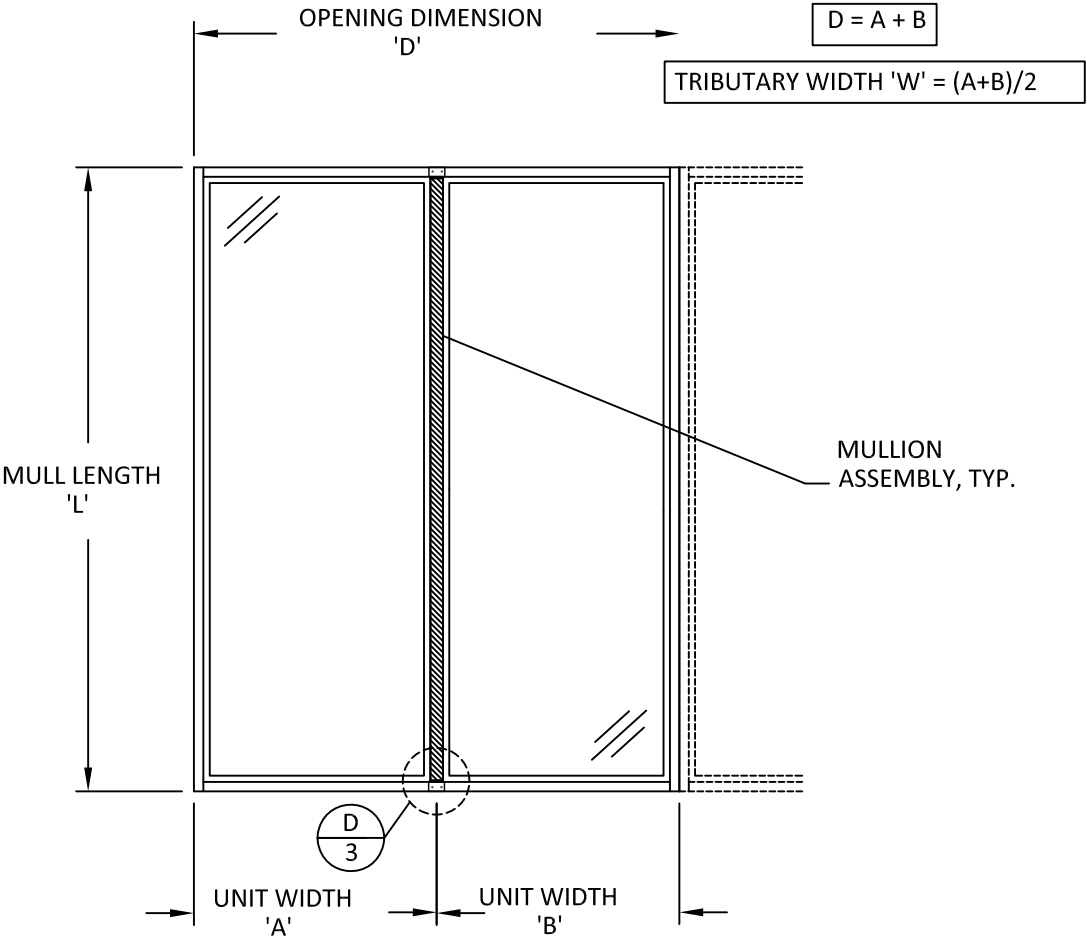
Maximum Design Pressure Capacity Chart (psf)		
Tributary Width 'W' (in)	Mull Length 'L' (in)	DESIGN PRESSURE (psf)
24	24.0	50.0
30		50.0
36		50.0
42		50.0
48		50.0
54		50.0
60		50.0
66		50.0
72	30.0	50.0
78		50.0
24		50.0
30		50.0
36		50.0
42		50.0
48		50.0
54		50.0
60	36.0	50.0
66		50.0
72		50.0
78		50.0
24		50.0
30		50.0
36		50.0
42		50.0
48	42.0	50.0
54		50.0
60		50.0
66		50.0
72		50.0
78		50.0
24		50.0
30		50.0

Maximum Design Pressure Capacity Chart (psf)		
Tributary Width 'W' (in)	Mull Length 'L' (in)	DESIGN PRESSURE (psf)
24	48	50.0
30		50.0
36		50.0
42		50.0
48		50.0
54		50.0
60		50.0
66		50.0
72	54	50.0
78		50.0
24		50.0
30		50.0
36		50.0
42		50.0
48		48.8
54		48.2
60	60	48.2
66		48.2
72		48.2
78		48.2
24		50.0
30		50.0
36		46.5
42		42.1
48	66	39.2
54		37.5
60		37.0
66		37.0
72		37.0
78		37.0
24		50.0
30		43.7
36	72	37.7
42		33.6
48		30.9
54		29.1
60		28.1
66		27.8
72		27.8
78		27.8

Maximum Design Pressure Capacity Chart (psf)		
Tributary Width 'W' (in)	Mull Length 'L' (in)	DESIGN PRESSURE (psf)
24	72	44.4
30		36.3
36		31.1
42		27.6
48		25.1
54		23.4
60		22.3
66		21.6
72	78	21.4
78		21.4
24		37.7
30		30.7
36		26.2
42		23.1
48		20.9
54		19.3
60	84	18.2
66		17.4
72		17.0
78		16.8
24		32.3
30		26.3
36		22.3
42		19.6
48	90	17.6
54		16.2
60		15.1
66		-
72		-
78		-
24		-
30		-

NOTES FOR UNCLIPPED MULLION INSTALLATIONS:

- 'ONE-WAY' MULLIONS REFER TO EITHER VERTICAL SINGLE SPAN OR HORIZONTAL STACKED ASSEMBLIES SIMILAR TO THOSE DIAGRAMMED ON THIS SHEET.
- THE DESIGN PRESSURES IN THIS CHART ARE FOR THE MULLIONS LISTED ABOVE WHEN USED WITH THE APPLICABLE UNCLIPPED MULLION. INDIVIDUAL WINDOWS JOINED THROUGH USE OF THE MULLION DESCRIBED HEREIN ARE UNDER SEPARATE APPROVAL.
- DESIGN PRESSURES APPLY TO INSTALLATIONS IN WHICH MULLIONS ARE UNCLIPPED AS SHOWN ON SHEET 3 AND ADJACENT WINDOWS ARE INSTALLED AS SHOWN IN TYPICAL INSTALLATION DETAILS ON SHEET 2 (SEE SHEET 1 FOR REQUIRED QUANTITIES).
- DESIGN PRESSURES HAVE BEEN DETERMINED IN ACCORDANCE WITH CURRENT FBC.
- READ WINDOW WIDTH AND MULL SPAN IN INCHES. DESIGN PRESSURE VALUES ON THIS CHART ARE POSITIVE AND NEGATIVE POUNDS PER SQUARE FOOT (PSF).
- TRIBUTARY WIDTH IS DETERMINED BY THE FOLLOWING (REFER TO ELEVATION, SHEET 6):
TRIBUTARY WIDTH = (A+B)/2
- DESIGN PRESSURE VALUES APPLY TO MULLION WHERE TWO OR MORE WINDOWS ARE LISTED IN A SINGLE OPENING. LESSER DESIGN PRESSURE OF INDIVIDUAL WINDOW OR MULLION OF INSTALLATION SHALL GOVERN.



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ONE-WAY UNCLIPPED FACTORY MULLION
DESIGN PRESSURE TABLES

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