

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 $\pm 1/2$ 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 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. NAILING FLANGE: FOR INSTALLATION INTO 2X WOOD FRAME USE ONE (1) #8 WOOD SCREW OR 8D ROOFING NAIL, OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
6. NAILING FLANGE: FOR INSTALLATION THROUGH METAL STRUCTURE ONE (1) #8 SELF-TAPPING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 3 *THREADS* MINIMUM PENETRATION BEYOND METAL FRAME SUBSTRATE.
7. INSTALLATION CLIP: FOR INSTALLATION INTO 2X WOOD BUCK USE TWO (2) #8 WOOD SCREWS OR ONE (1) #10 WOOD SCREW THROUGH INSTALLATION CLIP OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
8. INSTALLATION CLIP: FOR INSTALLATION THROUGH METAL STRUCTURE USE ONE (1) #8 SELF-TAPPING SCREWS THROUGH THE INSTALLATION CLIP WITH 3 *THREADS* MINIMUM PENETRATION BEYOND METAL FRAME SUBSTRATE.
9. INSTALLATION CLIP: FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE ONE (1) 3/16 INCH ITW TAPCON OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
10. FASTENER THROUGH FRAME: FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE ONE (1) 3/16 INCH ITW TAPCON OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
11. FASTENER THROUGH FRAME: FOR INSTALLATION INTO 2X BUCK USE ONE (1) #8 WOOD SCREW OR ONE (1) #10 WOOD SCREW OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
12. FASTENER THROUGH FRAME: FOR INSTALLATION THROUGH METAL STRUCTURE USE ONE (1) #8 SELF-TAPPING SCREWS THROUGH THE FRAME WITH 3 *THREADS* MINIMUM PENETRATION BEYOND METAL FRAME SUBSTRATE.
13. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
14. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
15. 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.
16. 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.
17. 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 - ALUMINUM - 1/8" MINIMUM THICKNESS (6063-T5).

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. WINDOW FRAME MATERIAL: PONDEROSA PINE (MIN. S.G. = 0.40)/VINYL
7. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 5 FOR GLAZING DETAILS.
8. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
X: OPERABLE PANEL
O: FIXED PANEL

ANDERSEN CORPORATION

400 SERIES CASEMENT FIXED WINDOWS

(NON-HVHZ)(NON-IMPACT)

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10	TWO-WAY MULL TABLES (2)

DESIGN PRESSURE RATING			
UNIT/CONFIG.	SIZE	DESIGN PRESSURE	MISSILE IMPACT RATING
ELLIPTICAL/ (O)	95 1/4" X 21"	+70 / -70 PSF	NON-IMPACT
*RECTANGULAR & SHAPED/ (O)	59 7/8" X 71 7/8"	+50 / -50 PSF	NON-IMPACT
TRANSOM/ (O)	84 5/8" X 12"	+70 / -75 PSF	NON-IMPACT
TRANSOM/ (OOO)	84 5/8" X 12"	+70 / -75 PSF	NON-IMPACT

*RECTANGULAR & SHAPED UNITS QUALIFIES ALL SHAPED UNITS, WITH THE EXCEPTION OF ELLIPTICAL UNITS, WHICH FALL WITHIN THE LISTED DIMENSIONS



ANDERSEN
WINDOWS & DOORS

100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096

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

TITLE: 400 SERIES CASEMENT
FIXED WINDOWS
(NON-HVHZ)(NON IMPACT)

GENERAL & INSTALLATION NOTES

PREPARED BY:

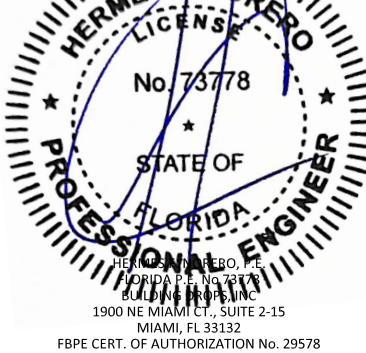
BUILDING DROPS, INC.
1900 NE MIAMI CT., SUITE 2-15
MIAMI, FL 33132
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FAX: (954) 744-4738
WEB: www.buildingdrops.com

 **BUILDING DROPS**

REMARKS	BY	DATE
5TH FBC CODE CHANGE	SM	4.14.1
6TH FBC CODE CHANGE	HR	10.1.1
7TH FBC CODE CHANGE	SR	3.20.2
8TH FBC CODE CHANGE	SH	5.25.2
TRIPLE IG & DP UPDATE	MS	7.30.2

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Digitally signed by Hermes E. Norero, P.E.
Reason: I am approving this document
Date: 2024.08.26 16:06:42 -0400



FL #:

FL15905

DATE: 10.01.17

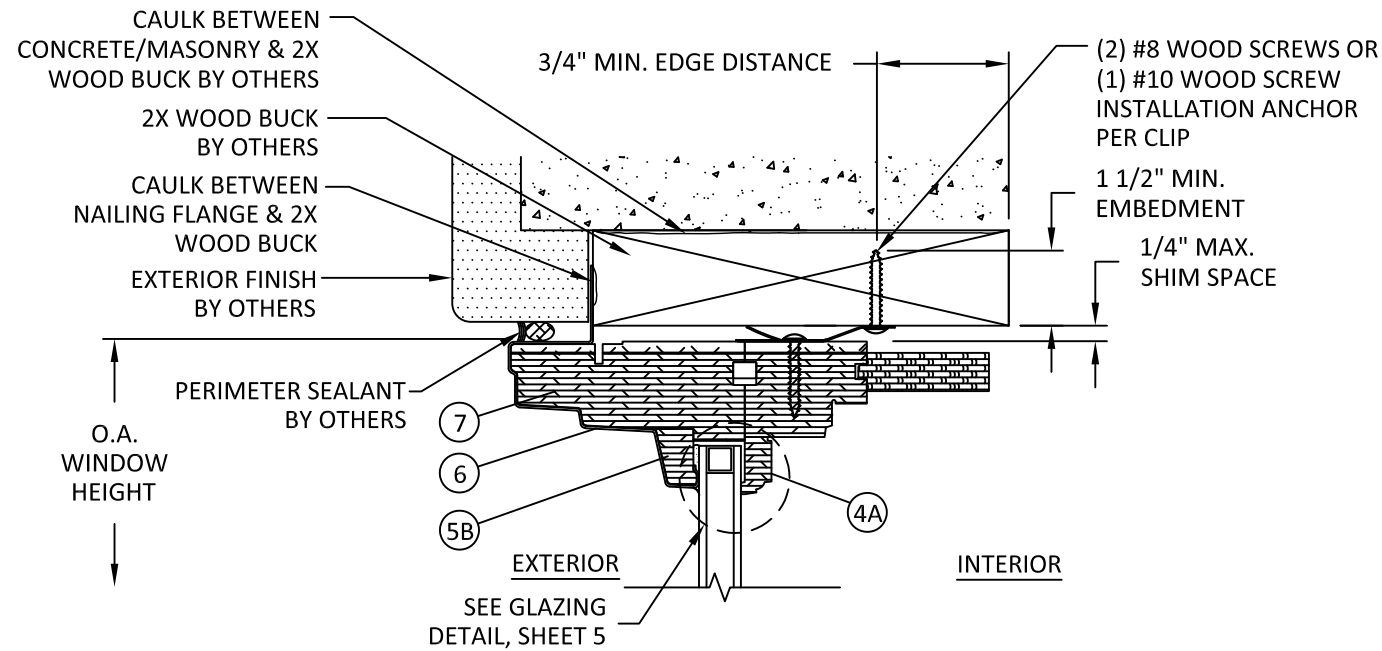
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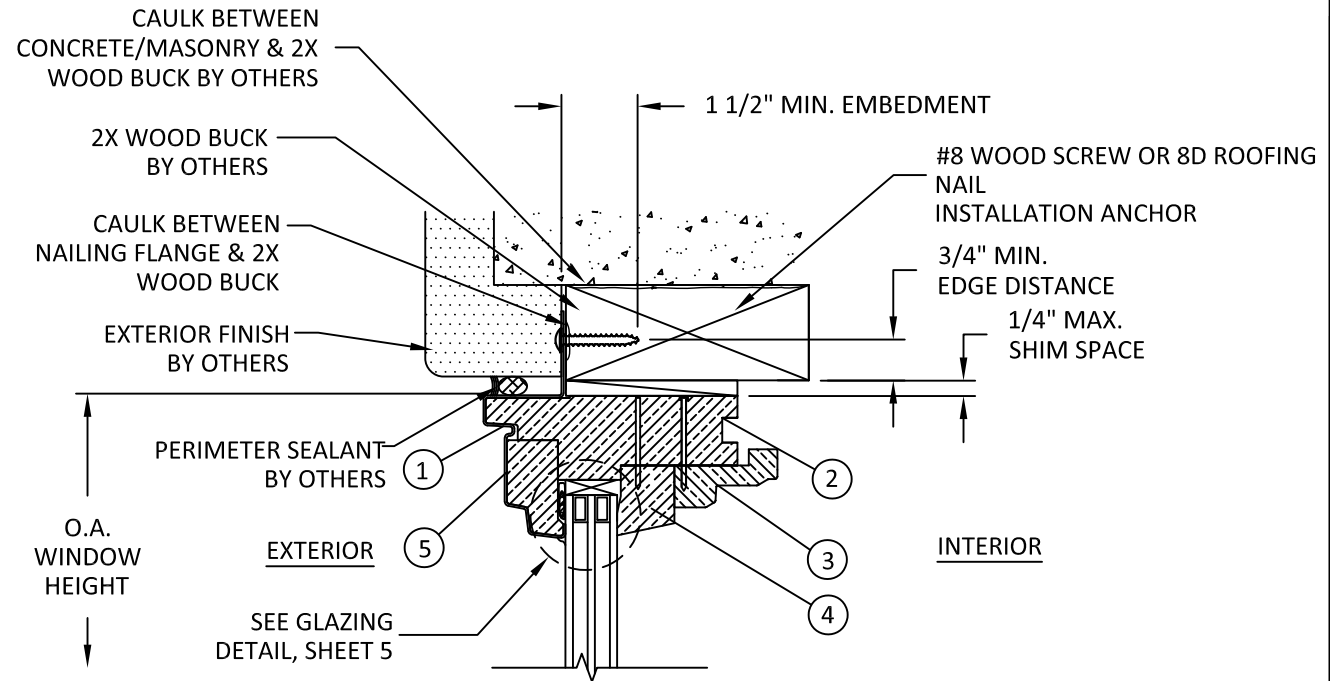
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SHEET: 1 OF 10

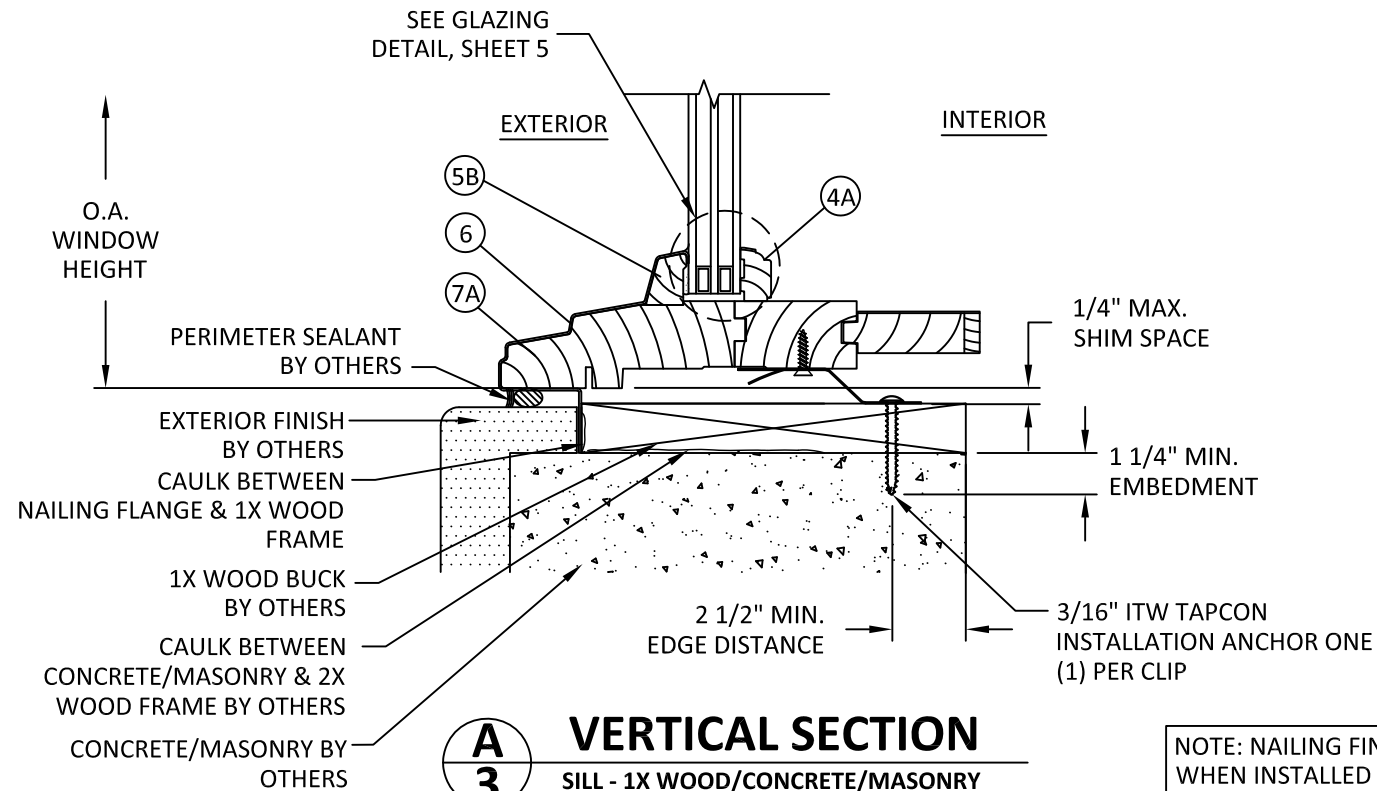
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B
3 **VERTICAL SECTION**
HEAD - 2X WOOD BUCK
INSTALLATION CLIP

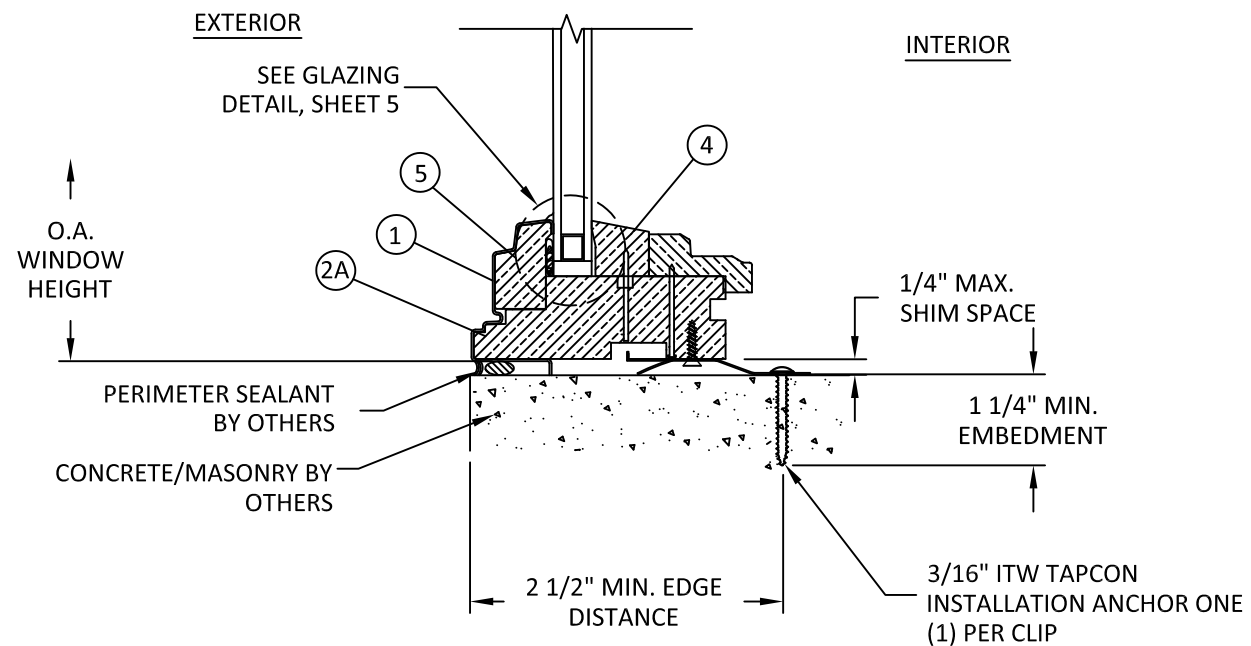


D
3 **VERTICAL SECTION**
HEAD - 2X WOOD BUCK
NAILING FLANGE



A
3 **VERTICAL SECTION**
SILL - 1X WOOD/CONCRETE/MASONRY
INSTALLATION CLIP

NOTE: NAILING FIN OPTIONAL
WHEN INSTALLED WITH
INSTALLATION CLIP.



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



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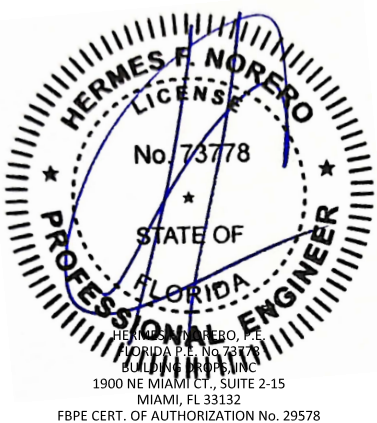
VERTICAL SECTIONS

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REMARKS	BY	DATE
5TH FBC CODE CHANGE	SM	4.14.15
6TH FBC CODE CHANGE	HR	10.1.17
7TH FBC CODE CHANGE	SR	3.20.20
8TH FBC CODE CHANGE	SH	5.25.23
TRIPLE IG & DP UPDATE	MS	7.30.24

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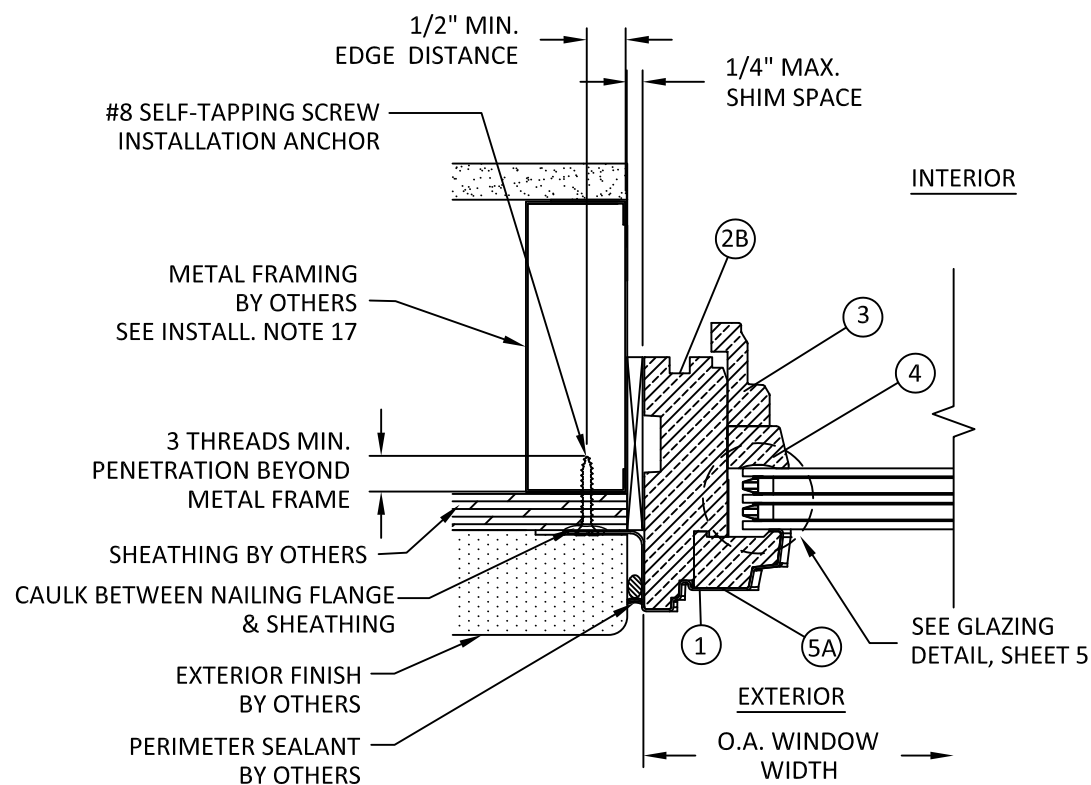
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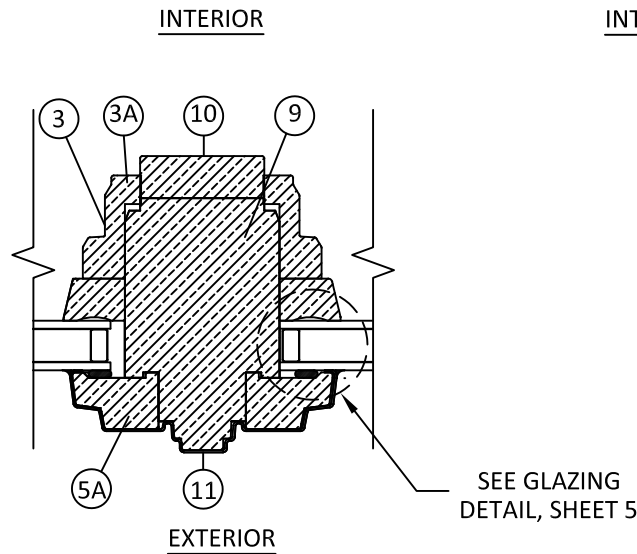
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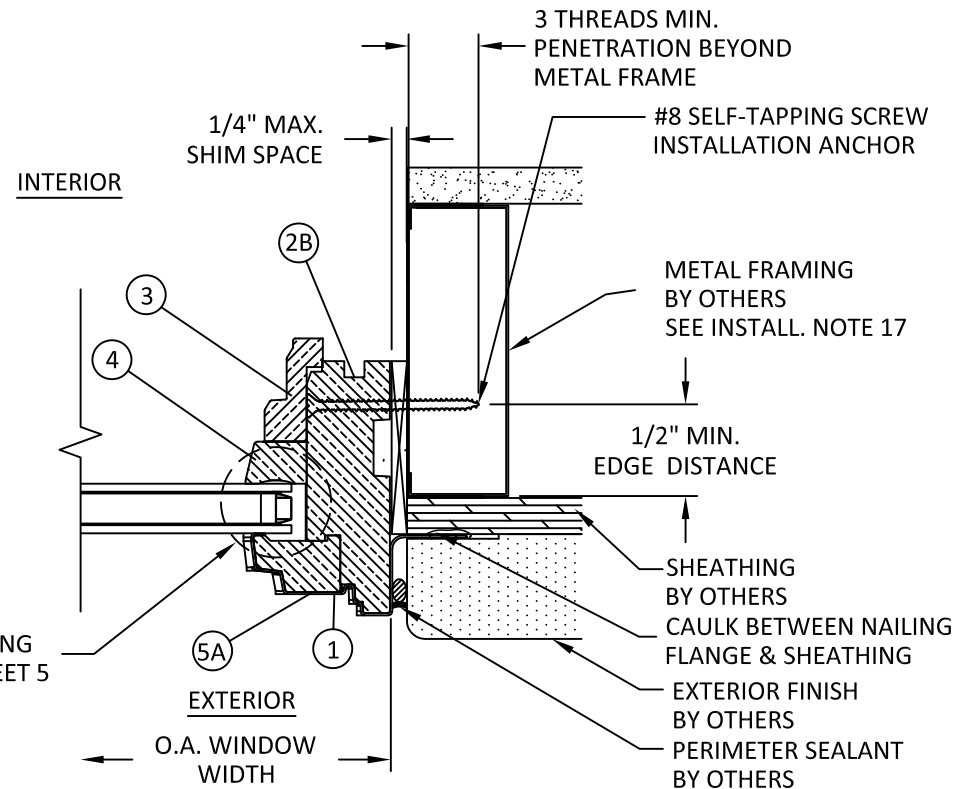
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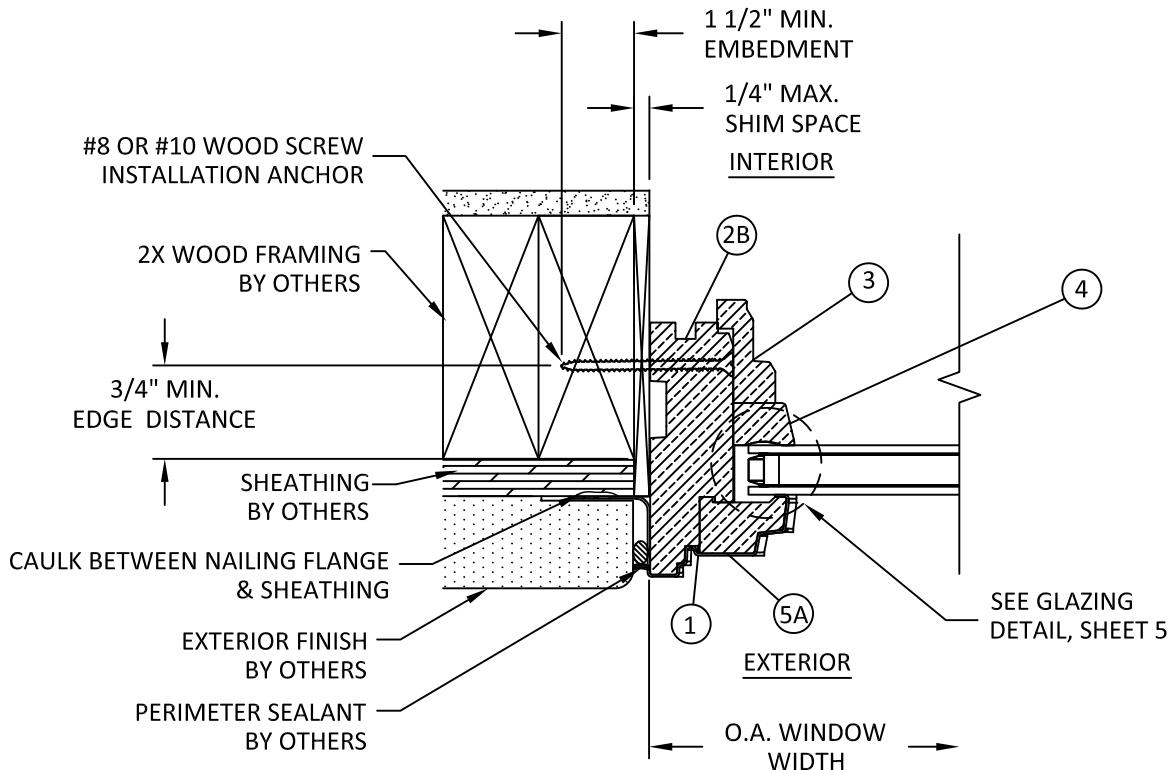
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4 **HORIZONTAL SECTION**
JAMB - METAL FRAME
NAILING FLANGE



I
4 **HORIZONTAL SECTION**
INTEGRAL MULL POST

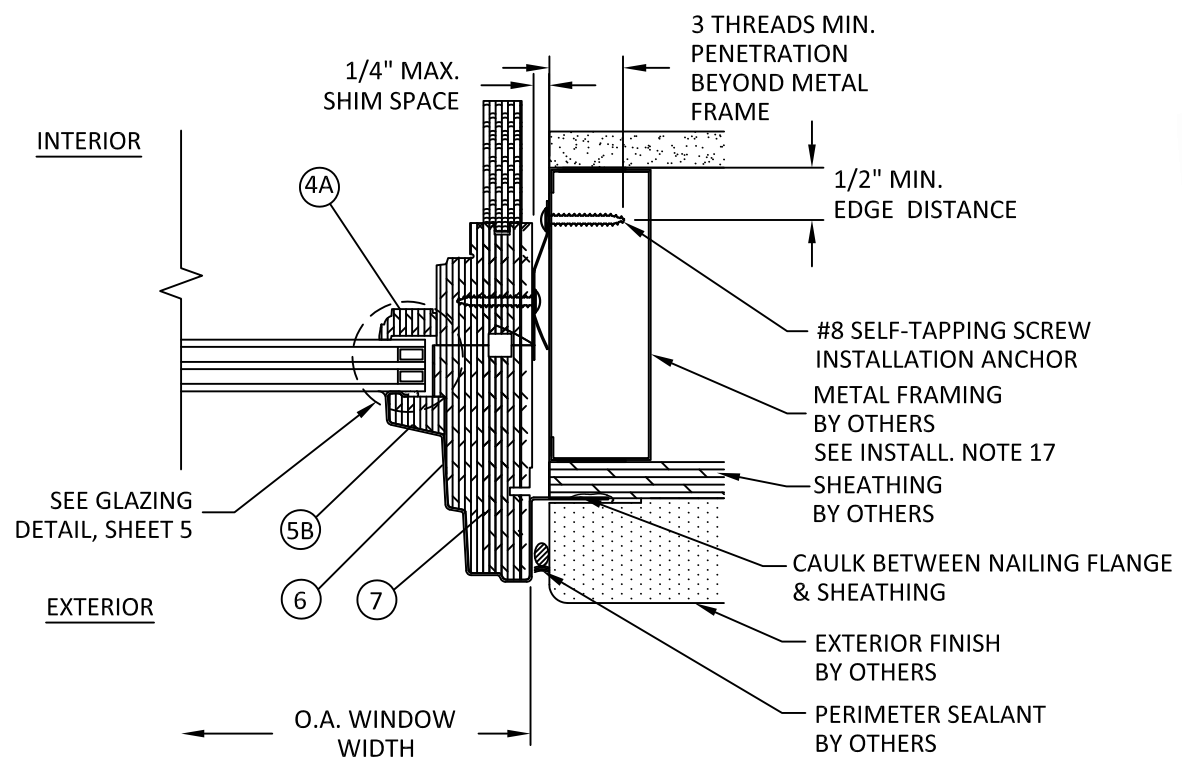


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4 **HORIZONTAL SECTION**
JAMB - METAL FRAME
THROUGH FRAME



E
4 **HORIZONTAL SECTION**
JAMB - 2X WOOD FRAME
THROUGH FRAME

NOTE: NAILING FIN OPTIONAL
WHEN INSTALLED WITH
INSTALLATION CLIP.



G
4 **HORIZONTAL SECTION**
JAMB - METAL FRAME
INSTALLATION CLIP



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HORIZONTAL SECTIONS

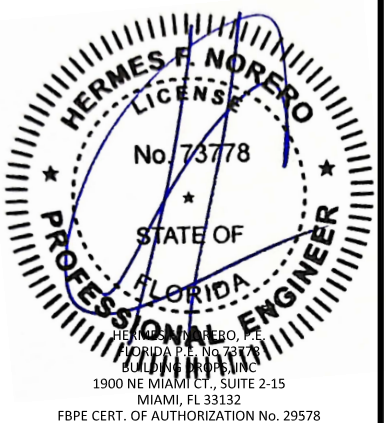
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TRIPLE IG & DP UPDATE	MS	7.30.24

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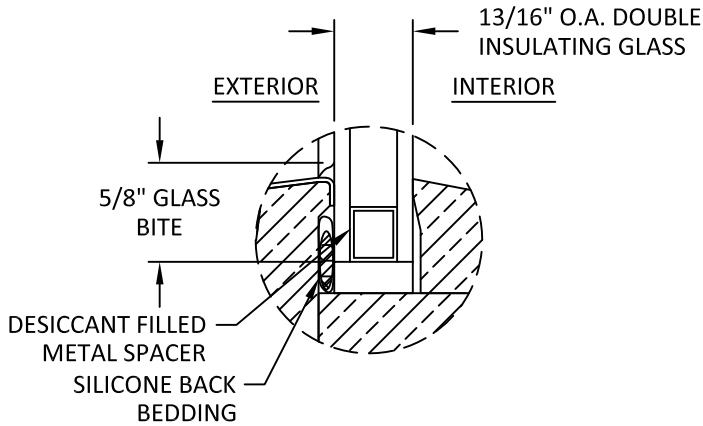
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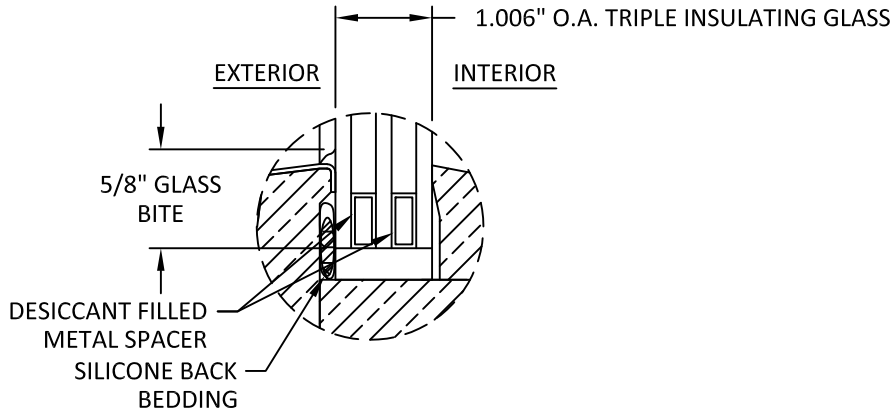
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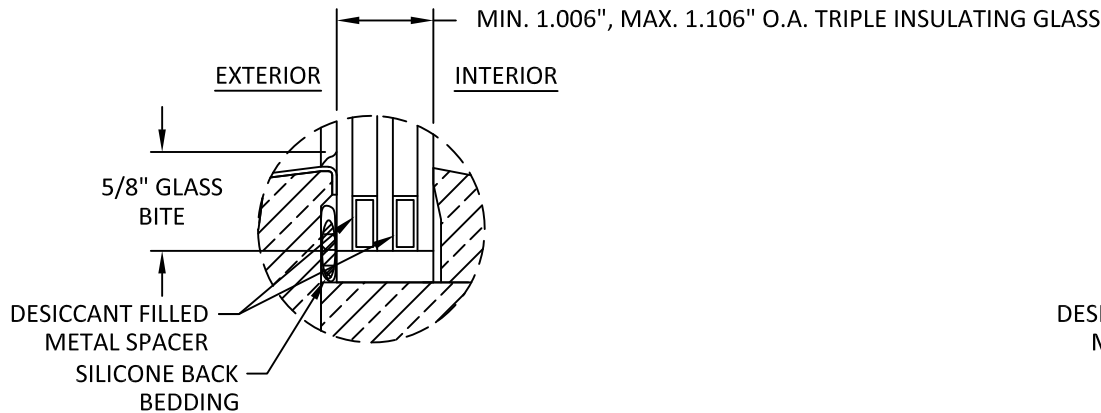


GLAZING DETAIL A

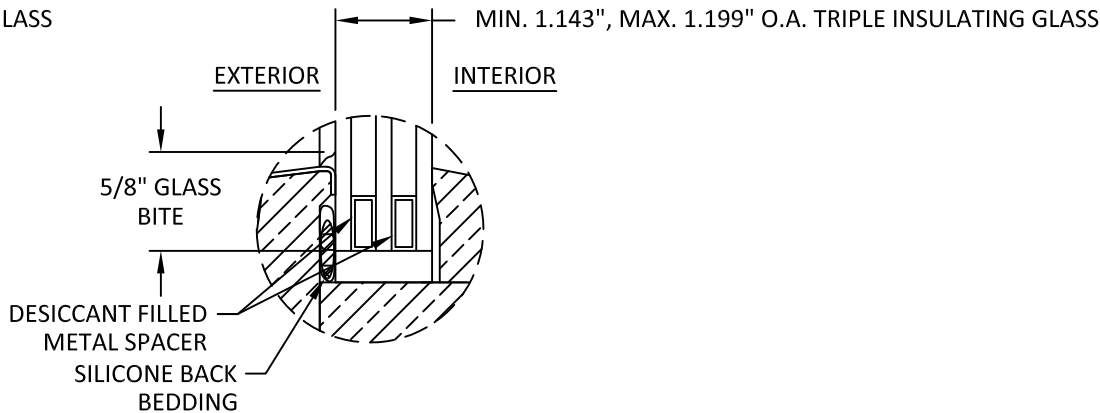


GLAZING DETAIL B
(TRANSOM/OVAL/QTR. ROUND/CIRCLE)

NOTE: TRIPLE INSULATED GLASS THICKNESS LIMITED BY WINDOW SIZE. CONTACT WINDOW MANUFACTURER FOR MORE DETAILS.



GLAZING DETAIL C
(CIRCLE TOP/ELLIPTICAL)



GLAZING DETAIL D
(PICTURE WINDOW)

- GLAZING NOTES:
- GLASS TYPE & THICKNESS SHALL COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
 - SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
 - SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
 - D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX. VALUES ON SHEET 1.



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GLAZING DETAILS

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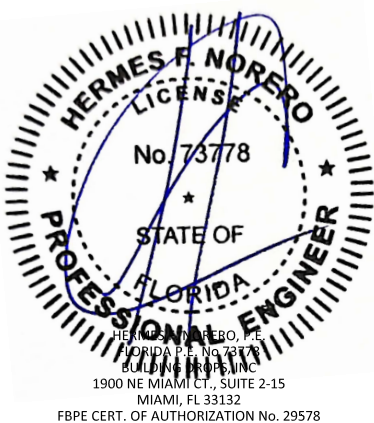
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SCALE: NTS

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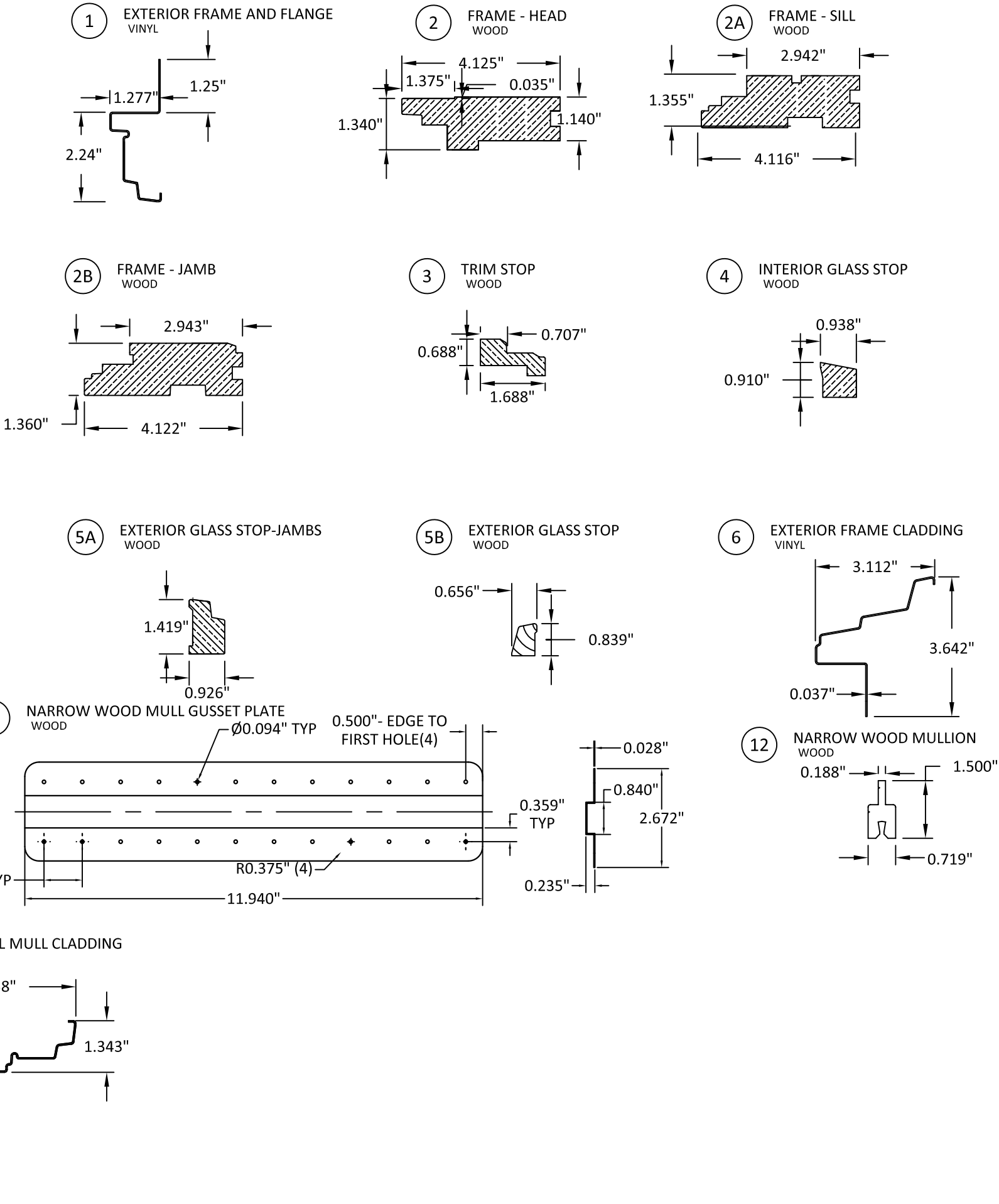
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BILL OF MATERIALS			
NO.	DESCRIPTION	MATERIAL	MANUFACTURERS
1	EXTERIOR FRAME CLADDING	VINYL	ANDERSEN CORPORATION
2	FRAME - HEAD	WOOD	ANDERSEN CORPORATION
2A	FRAME - SILL	WOOD	ANDERSEN CORPORATION
2B	FRAME - JAMB	WOOD	ANDERSEN CORPORATION
3	TRIM STOP	WOOD	ANDERSEN CORPORATION
4	GLASS STOP-INTERIOR	WOOD	ANDERSEN CORPORATION
4A	GLASS STOP-INTERIOR	WOOD	ANDERSEN CORPORATION
5	GLASS STOP-EXTERIOR	WOOD	ANDERSEN CORPORATION
5A	GLASS STOP-EXTERIOR	WOOD	ANDERSEN CORPORATION
5B	GLASS STOP-EXTERIOR	WOOD	ANDERSEN CORPORATION
6	EXTERIOR FRAME CLADDING	VINYL	ANDERSEN CORPORATION
7	FRAME - HEAD/JAMB	WOOD	ANDERSEN CORPORATION
7A	FRAME - SILL	WOOD	ANDERSEN CORPORATION
8	NARROW WOOD MULL GUSSET PLATE	WOOD	ANDERSEN CORPORATION
9	INTEGRAL MULL POST	WOOD	ANDERSEN CORPORATION
10	INTEGRAL MULL TRIM	WOOD	ANDERSEN CORPORATION
11	INTEGRAL MULL CLADDING	VINYL	ANDERSEN CORPORATION
12	NARROW WOOD MULLION	WOOD	ANDERSEN CORPORATION

NOTE: ALL WOOD TO BE PONDEROSA PINE OR EQUIVALENT.



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BILL OF MATERIALS
& COMPONENTS

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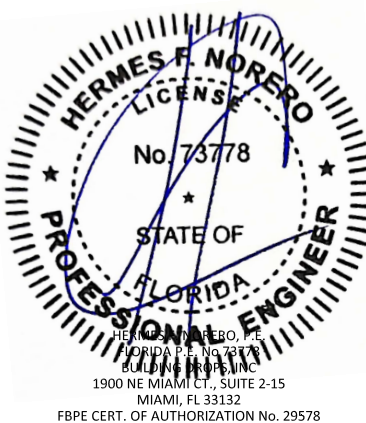
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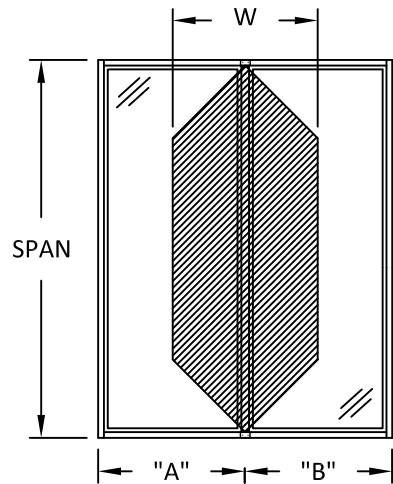


FL #:	FL15905
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SHEET:	6
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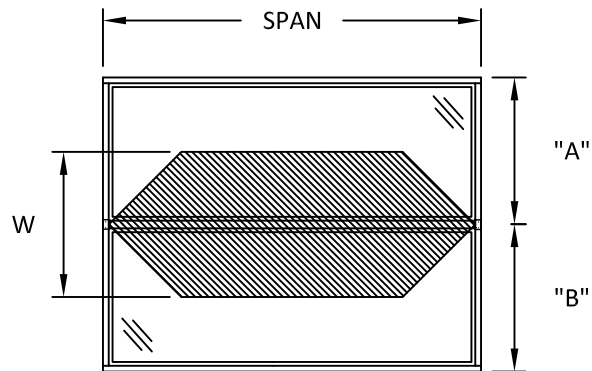
Maximum Design Pressure Capacity Chart (psf)
One-Way Narrow Wood Mullion
Design pressures are limited by mullion capacity only.

Span (in)	Tributary Width (in)																						
	18.0	25.0	30.0	37.0	42.0	49.0	54.0	61.0	66.0	73.0	78.0	85.0	90.0	97.0	102.0	109.0	114.0	121.0	126.0	133.0	138.0	145.0	150.0
30.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
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42.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
49.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
54.0	80.0	80.0	80.0	71.4	66.4	62.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
61.0	80.0	73.9	63.3	53.8	49.3	45.4	43.7	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
66.0	80.0	62.6	53.4	45.0	41.0	37.3	35.5	34.2	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
73.0	69.1	50.7	43.0	36.0	32.6	29.3	27.6	26.0	25.4	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
78.0	60.4	44.2	37.4	31.2	28.1	25.1	23.5	22.0	21.2	20.6	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
85.0	50.7	37.0	31.3	25.9	23.3	20.6	19.2	17.8	17.0	16.3	16.0	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9
90.0	45.1	32.9	27.7	23.0	20.6	18.2	16.9	15.5	14.8	14.1	13.7	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
97.0	38.8	28.2	23.8	19.6	17.5	15.4	14.3	13.0	12.4	11.7	11.3	10.9	10.8	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
102.0	35.0	25.5	21.4	17.6	15.8	13.8	12.7	11.6	11.0	10.3	9.9	9.6	9.4	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
109.0	30.6	22.3	18.7	15.4	13.7	12.0	11.0	10.0	9.4	8.8	8.4	8.1	7.9	7.7	7.6	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
114.0	28.0	20.3	17.0	14.0	12.5	10.9	10.0	9.1	8.5	7.9	7.6	7.2	7.0	6.8	6.7	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
121.0	24.8	18.0	15.1	12.4	11.0	9.6	8.8	7.9	7.5	6.9	6.6	6.2	6.0	5.8	5.7	5.6	5.5	5.5	5.5	5.5	5.5	5.5	5.5

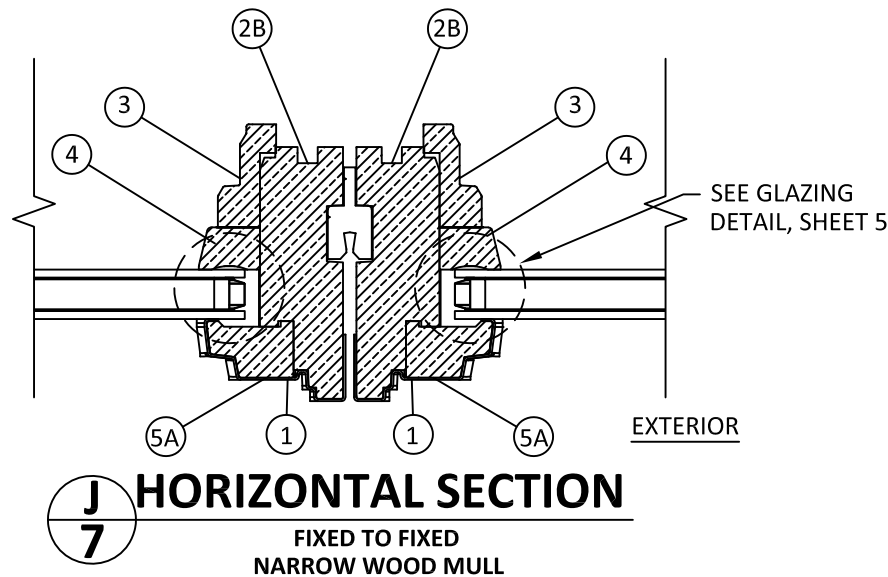
- NOTE:
- MULLION CHART APPLIES TO NARROW WOOD MULLION ASSEMBLIES, SEE DETAIL J/7, WHEN USED TO MULL WINDOWS IN CONFIGURATIONS SHOWN IN ELEVATIONS A & B.
 - DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
 - DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE NARROW WOOD MULLION OR THE INDIVIDUAL WINDOW UNIT OF INSTALLATION.
 - MULLION CHART ABOVE APPLIES TO MULLED ASSEMBLIES CONSISTING OF 400 SERIES CASEMENT WINDOWS, AWNING WINDOWS, OR THE 400 SERIES DIRECT GLAZED VINYL CLAD WINDOWS.
 - ADJACENT WINDOWS SHALL BE FASTENED TO THE ROUGH OPENING IN ACCORDANCE WITH DETAILS L/9 OR M/9, SHEET 9.
 - FOR HORIZONTAL MULLION, TOP WINDOW UNIT SIZE SHALL BE LIMITED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS DUE TO IMPOSED DEAD LOAD.



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



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



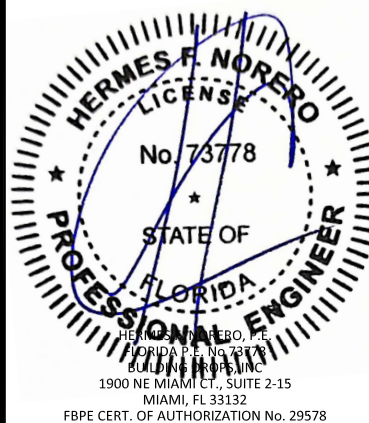
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: 400 SERIES CASEMENT
FIXED WINDOWS
(NON-HVHZ)/(NON IMPACT)
ONE-WAY MULL TABLES (1)
& SECTION DETAIL

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI CT., SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
5TH FBC CODE CHANGE	SM	4.14.15
6TH FBC CODE CHANGE	HR	10.1.17
7TH FBC CODE CHANGE	SR	3.20.20
8TH FBC CODE CHANGE	SH	5.25.23
TRIPLE IG & DP UPDATE	MS	7.30.24

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.



FL #: FL15905

DATE: 10.01.17

DWG. BY: HR CHK. BY: HFN

SCALE: NTS

DWG. #: AWD182

SHEET: 7 OF 10

Maximum Design Pressure Capacity Chart (+/- PSF)

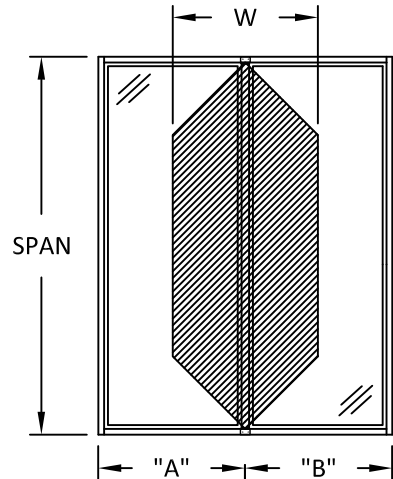
One-Way Narrow Wood Mullion

Design pressures are limited by mullion capacity only.

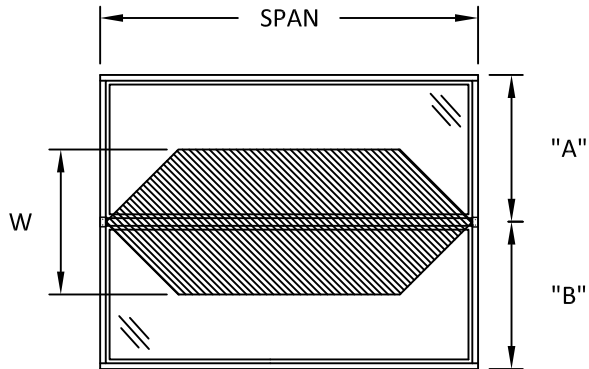
Span (in)	Tributary Width (in)																						
	18.0	25.0	30.0	37.0	42.0	49.0	54.0	61.0	66.0	73.0	78.0	85.0	90.0	97.0	102.0	109.0	114.0	121.0	126.0	133.0	138.0	145.0	150.0
30.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
37.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
42.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
49.0	80.0	80.0	71.4	62.6	59.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
54.0	80.0	66.5	57.4	49.5	46.0	43.4	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
61.0	69.2	51.3	43.9	37.3	34.2	31.5	30.3	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
66.0	58.9	43.4	37.0	31.2	28.4	25.8	24.6	23.7	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5
73.0	47.9	35.2	29.8	25.0	22.6	20.3	19.1	18.0	17.6	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
78.0	39.5	29.0	24.6	20.6	18.7	16.7	15.8	14.8	14.4	14.3	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
85.0	30.4	22.3	18.9	15.7	14.2	12.6	11.8	11.0	10.5	10.4	10.3	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
90.0	25.6	18.7	15.8	13.1	11.8	10.5	9.7	9.0	8.6	8.5	8.3	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
97.0	20.4	14.9	12.5	10.4	9.3	8.2	7.6	7.0	6.7	6.5	6.3	6.1	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
102.0	18.0	13.1	11.1	9.1	8.2	7.2	6.7	6.1	5.8	5.4	5.3	5.1	5.0	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
109.0	14.7	10.7	9.0	7.4	6.6	5.8	5.4	4.9	4.6	4.3	4.2	4.0	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
114.0	12.9	9.4	7.9	6.5	5.8	5.0	4.7	4.2	4.0	3.7	3.6	3.4	3.3	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1
121.0	10.8	7.8	6.6	5.4	4.8	4.2	3.9	3.5	3.3	3.1	2.9	2.8	2.7	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5

NOTE:

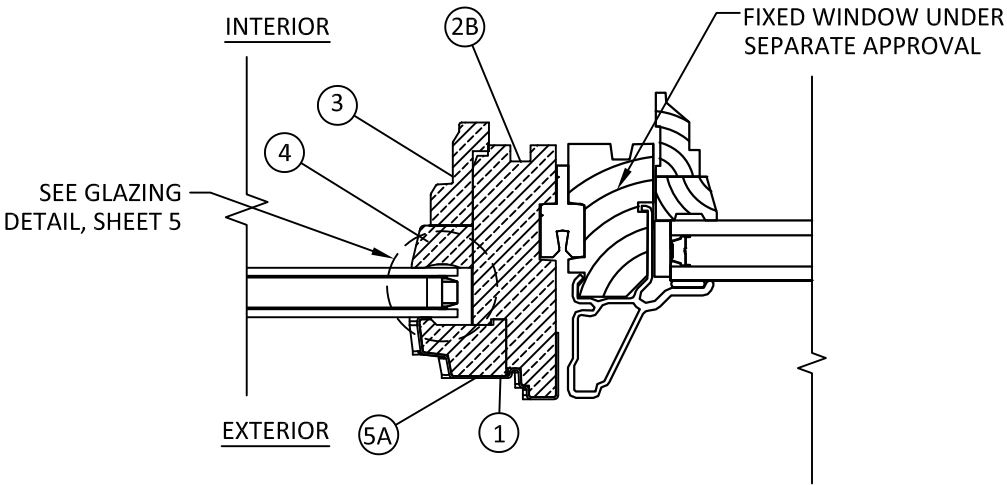
- 1) MULLION CHART APPLIES TO NARROW WOOD MULLION ASSEMBLIES, SEE DETAIL K/8, WHEN USED TO MULL WINDOWS IN CONFIGURATIONS SHOWN IN ELEVATIONS A & B.
- 2) DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
- 3) MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
- 4) DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE NARROW WOOD MULLION OR THE INDIVIDUAL WINDOW UNIT OF INSTALLATION.
- 5) MULLION CHART ABOVE APPLIES TO MULLED ASSEMBLIES CONSISTING OF 400 SERIES DIRECT SET FLEXIFRAME WINDOWS TO 400 SERIES DIRECT GLAZED VINYL CLAD WINDOWS.
- 6) ADJACENT WINDOWS SHALL BE FASTENED TO THE ROUGH OPENING IN ACCORDANCE WITH DETAILS L/9 OR M/9, SHEET 9.
- 7) FOR HORIZONTAL MULLION, TOP WINDOW UNIT SIZE SHALL BE LIMITED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS DUE TO IMPOSED DEAD LOAD.



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



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



K/8 HORIZONTAL SECTION
FIXED TO FLEXIFRAME
NARROW WOOD MULL



ANDERSEN
WINDOWS & DOORS

100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096

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

TITLE:
400 SERIES CASEMENT
FIXED WINDOWS
(NON-HVHZ)(NON IMPACT)
ONE-WAY MULL TABLES (2)
& SECTION DETAIL

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT., SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
5TH FBC CODE CHANGE	SM	4.14.15
6TH FBC CODE CHANGE	HR	10.1.17
7TH FBC CODE CHANGE	SR	3.20.20
8TH FBC CODE CHANGE	SH	5.25.23
TRIPLE IG & DP UPDATE	MS	7.30.24

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.



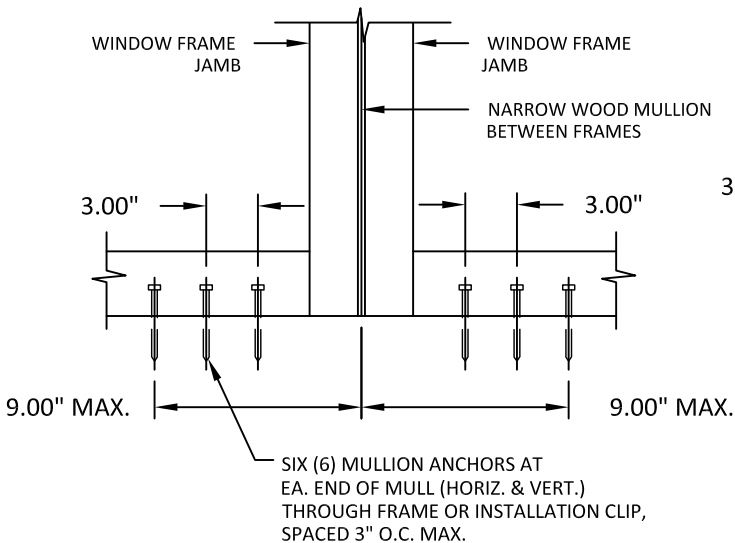
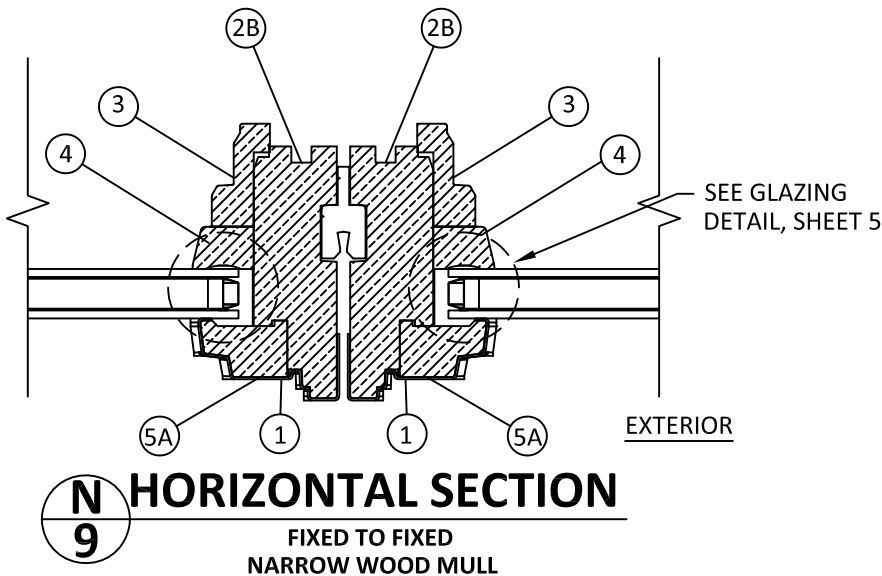
FL #:	FL15905
DATE:	10.01.17
DWG. BY:	HR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD182
SHEET:	8

c:\users\msun\building drops, inc\building drops landing - common\projects\andersen windows\lbc-23-1223 - fbc submittal - fl15905 400 series fixed casement window - triple ig qualification\dwgs\awd182.dwg 8/23/2024 10:25 AM

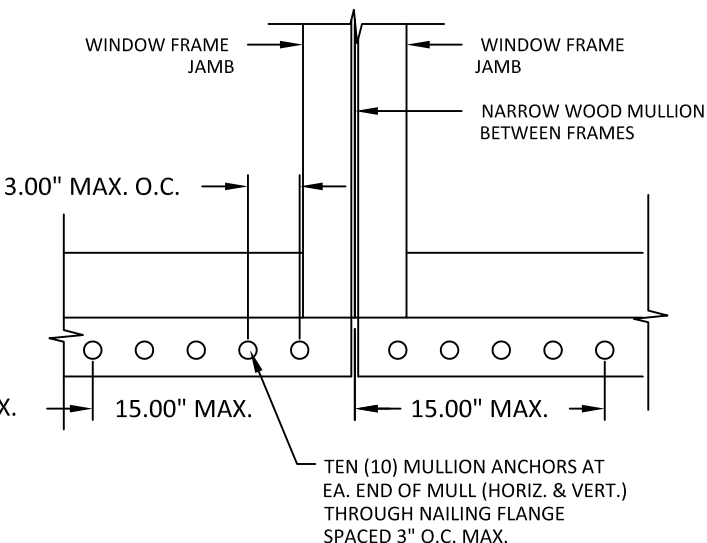
Maximum design pressure capacity chart
Two-Way Narrow Wood Mullion
Design pressures are limited by mullion capacity only.

Span (in.)	Tributary Width (in)															
	18.0	25.0	30.0	37.0	42.0	49.0	54.0	61.0	66.0	73.0	78.0	85.0	90.0	97.0	102.0	109.0
30.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	74.4	70.7	66.2
36.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	75.9	68.6	64.2	58.9	55.7	51.7	49.1	46.0
42.0	80.0	80.0	80.0	80.0	80.0	75.1	68.2	60.3	55.8	50.4	47.2	43.3	40.9	37.9	36.1	33.8
48.0	80.0	80.0	80.0	76.2	67.1	57.5	52.2	46.2	42.7	38.6	36.1	33.2	31.3	29.1	27.6	25.9
54.0	80.0	80.0	74.2	60.2	53.0	45.4	41.2	36.5	33.7	30.5	28.5	26.2	24.7	23.0	21.8	20.4
60.0	80.0	72.1	60.1	48.7	42.9	36.8	33.4	29.6	27.3	24.7	23.1	21.2	20.0	18.6	17.7	16.5
66.0	80.0	59.6	49.7	40.3	35.5	30.4	27.6	24.4	22.6	20.4	19.1	17.5	16.6	15.4	14.6	13.7
72.0	69.6	50.1	41.8	33.9	29.8	25.6	23.2	20.5	19.0	17.2	16.1	14.7	13.9	12.9	12.3	11.5
78.0	59.3	42.7	35.6	28.8	25.4	21.8	19.8	17.5	16.2	14.6	13.7	12.6	11.9	11.0	10.5	9.8
84.0	51.1	36.8	30.7	24.9	21.9	18.8	17.0	15.1	13.9	12.6	11.8	10.8	10.2	9.5	9.0	8.4
90.0	44.5	32.1	26.7	21.7	19.1	16.4	14.8	13.1	12.1	11.0	10.3	9.4	8.9	8.3	7.9	7.4
96.0	39.1	28.2	23.5	19.0	16.8	14.4	13.0	11.6	10.7	9.7	9.0	8.3	7.8	7.3	6.9	6.5
102.0	34.7	25.0	20.8	16.9	14.9	12.7	11.6	10.2	9.5	8.5	8.0	7.3	6.9	6.4	6.1	5.7
108.0	30.9	22.3	18.6	15.0	13.3	11.4	10.3	9.1	8.4	7.6	7.1	6.5	6.2	5.7	5.5	5.1
114.0	27.8	20.0	16.7	13.5	11.9	10.2	9.3	8.2	7.6	6.8	6.4	5.9	5.6	5.2	4.9	4.6
120.0	25.1	18.0	15.0	12.2	10.7	9.2	8.4	7.4	6.8	6.2	5.8	5.3	5.0	4.6	4.4	4.1

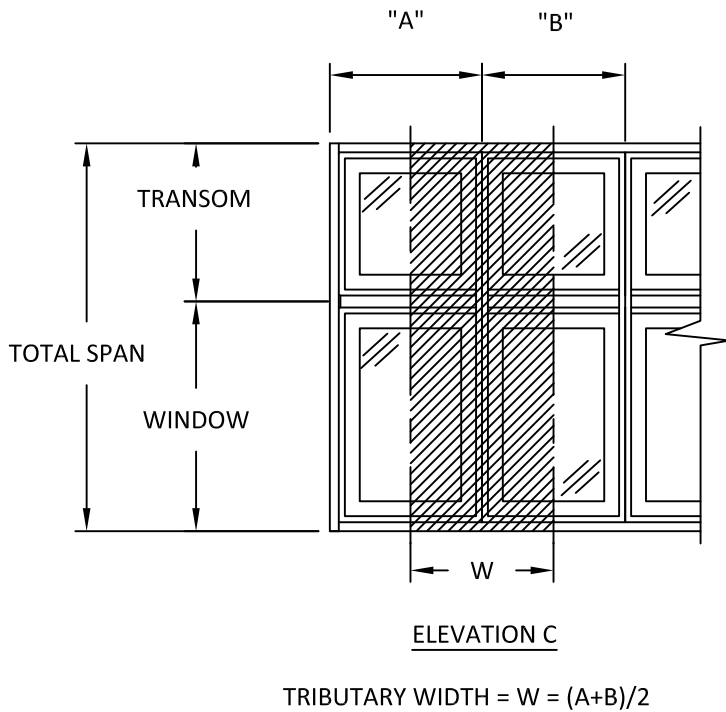
- NOTE:
- MULLION CHART APPLIES TO NARROW WOOD MULLION ASSEMBLIES, SEE DETAIL N/9, WHEN USED TO MULL WINDOWS IN CONFIGURATIONS SHOWN IN ELEVATION C.
 - DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
 - DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE NARROW WOOD MULLION OR THE INDIVIDUAL WINDOW UNIT OF INSTALLATION.
 - MULLION CHART ABOVE APPLIES TO MULLED ASSEMBLIES CONSISTING OF 400 SERIES CASEMENT WINDOWS, AWNING WINDOWS, AND/OR DIRECT SET VINYL CLAD WINDOWS.
 - ADJACENT WINDOWS SHALL BE FASTENED TO THE ROUGH OPENING IN ACCORDANCE WITH DETAILS L/9 OR M/9, SHEET 9.
 - FOR HORIZONTAL MULLION, TOP WINDOW UNIT SIZE SHALL BE LIMITED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS DUE TO IMPOSED DEAD LOAD.



L
9 FRONT VIEW
MULLION ANCHOR DETAIL
THROUGH FRAME/INSTALLATION CLIP



M
9 FRONT VIEW
MULLION ANCHOR DETAIL
NAILING FLANGE



ANDERSEN
WINDOWS & DOORS

100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096

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

TITLE: 400 SERIES CASEMENT
FIXED WINDOWS
(NON-HVHZ)(NON IMPACT)

TWO-WAY MULL TABLES (1)
& ANCHOR DETAILS

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI CT., SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
5TH FBC CODE CHANGE	SM	4.14.15
6TH FBC CODE CHANGE	HR	10.1.17
7TH FBC CODE CHANGE	SR	3.20.20
8TH FBC CODE CHANGE	SH	5.25.23
TRIPLE IG & DP UPDATE	MS	7.30.24

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HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC.
1900 NE MIAMI CT., SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL15905

DATE: 10.01.17

DWG. BY: HR	CHK. BY: HFN
-----------------------	------------------------

SCALE: **NTS**

DWG. #: **AWD182**

SHEET:

9

OF 10

c:\users\msun\building drops, inc\building drops landing - common\projects\andersen windows\lbc-23-1223 - fbc submittal - fl15905 400 series fixed casement window - triple ig qualification\dwgs\awd182.dwg 8/23/2024 10:25 AM

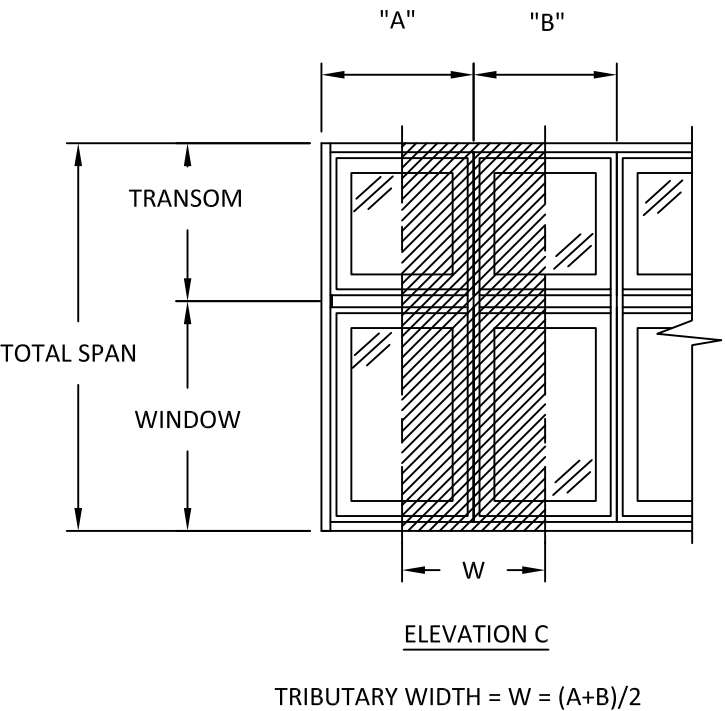
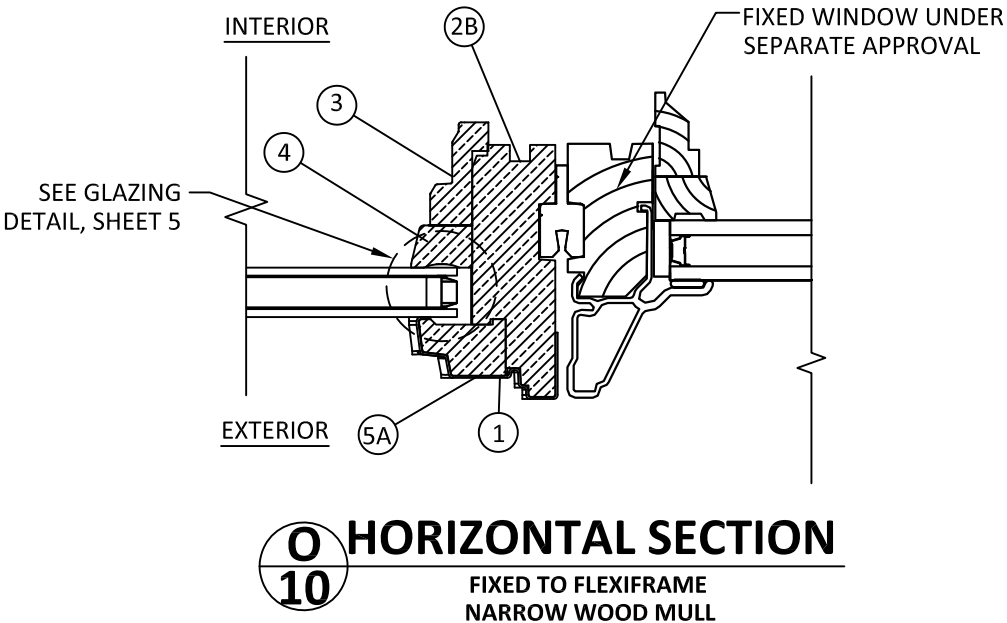
Maximum Design Pressure Capacity Chart

Two-Way Narrow Wood Mullion

Design pressures are limited by mullion capacity only.

Span (in.)	Tributary Width (in)															
	18.0	25.0	30.0	37.0	42.0	49.0	54.0	61.0	66.0	73.0	78.0	85.0	90.0	97.0	102.0	109.0
30.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	75.8	68.5	64.1	58.8	55.6	51.6	49.0	45.9
36.0	80.0	80.0	80.0	80.0	80.0	70.9	64.3	56.9	52.6	47.6	44.5	40.9	38.6	35.8	34.1	31.9
42.0	80.0	80.0	80.0	69.0	60.8	52.1	47.3	41.8	38.7	35.0	32.7	30.0	28.4	26.3	25.0	23.4
48.0	80.0	78.2	65.1	52.8	46.5	39.9	36.2	32.0	29.6	26.8	25.0	23.0	21.7	20.1	19.2	17.9
54.0	80.0	61.8	51.5	41.7	36.8	31.5	28.6	25.3	23.4	21.1	19.8	18.2	17.2	15.9	15.1	14.2
60.0	69.5	50.0	41.7	33.8	29.8	25.5	23.2	20.5	18.9	17.1	16.0	14.7	13.9	12.9	12.3	11.5
66.0	57.4	41.3	34.4	27.9	24.6	21.1	19.1	16.9	15.7	14.2	13.2	12.2	11.5	10.7	10.1	9.5
72.0	48.2	34.7	28.9	23.5	20.7	17.7	16.1	14.2	13.2	11.9	11.1	10.2	9.6	9.0	8.5	8.0
78.0	41.1	29.6	24.7	20.0	17.6	15.1	13.7	12.1	11.2	10.1	9.5	8.7	8.2	7.6	7.3	6.8
84.0	33.3	24.4	20.6	17.0	15.2	13.0	11.8	10.5	9.7	8.7	8.2	7.5	7.1	6.6	6.3	5.9
90.0	27.0	19.7	16.6	13.7	12.2	10.7	9.8	8.7	8.1	7.4	7.0	6.4	6.1	5.7	5.4	5.1
96.0	22.2	16.2	13.7	11.2	10.0	8.7	8.0	7.2	6.7	6.1	5.7	5.3	5.0	4.7	4.4	4.2
102.0	18.4	13.5	11.3	9.3	8.3	7.2	6.6	5.9	5.5	5.0	4.7	4.4	4.2	3.9	3.7	3.5
108.0	15.5	11.3	9.5	7.8	7.0	6.1	5.5	5.0	4.6	4.2	4.0	3.7	3.5	3.2	3.1	2.9
114.0	13.2	9.6	8.1	6.6	5.9	5.1	4.7	4.2	3.9	3.6	3.4	3.1	3.0	2.8	2.6	2.5
120.0	11.3	8.2	6.9	5.7	5.0	4.4	4.0	3.6	3.3	3.1	2.9	2.7	2.5	2.4	2.2	2.1

- NOTE:
- MULLION CHART APPLIES TO NARROW WOOD MULLION ASSEMBLIES, SEE TYP. DETAIL O/10, WHEN USED TO MULL WINDOWS IN CONFIGURATIONS SHOWN IN ELEVATION C.
 - DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
 - DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE NARROW WOOD MULLION OR THE INDIVIDUAL WINDOW UNIT OF INSTALLATION.
 - MULLION CHART ABOVE APPLIES TO MULLED ASSEMBLIES CONSISTING OF 400 SERIES DIRECT SET FLEXIFRAME WINDOWS TO 400 SERIES DIRECT GLAZED VINYL CLAD WINDOWS.
 - ADJACENT WINDOWS SHALL BE FASTENED TO THE ROUGH OPENING IN ACCORDANCE WITH DETAILS L/9 OR M/9, SHEET 9.
 - FOR HORIZONTAL MULLION, TOP WINDOW UNIT SIZE SHALL BE LIMITED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS DUE TO IMPOSED DEAD LOAD.



ANDERSEN
WINDOWS & DOORS

100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096

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

TITLE: 400 SERIES CASEMENT
FIXED WINDOWS
(NON-HVHZ)/(NON IMPACT)

TWO-WAY MULL TABLES (2)

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REMARKS	BY	DATE
5TH FBC CODE CHANGE	SM	4.14.15
6TH FBC CODE CHANGE	HR	10.1.17
7TH FBC CODE CHANGE	SR	3.20.20
8TH FBC CODE CHANGE	SH	5.25.23
TRIPLE IG & DP UPDATE	MS	7.30.24

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.

HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC.
1900 NE MIAMI CT., SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL15905

DATE: 10.01.17

DWG. BY: HR

CHK. BY: HFN

SCALE: NTS

DWG. #: AWD182

SHEET:

10

OF 10