

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. INSTALLATION CLIP: FOR INSTALLATION INTO 2X WOOD FRAME USE ONE (1) #8 WOOD SCREWS OR ONE (1) #10 WOOD SCREW PER INSTALLATION CLIP OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
5. INSTALLATION CLIP: FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/ MASONRY, USE ONE (1) 3/16 INCH ITW TAPCON PER INSTALLATION CLIP OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
6. INSTALLATION CLIP: FOR INSTALLATION THROUGH METAL STUD USE ONE (1) #8 SELF-TAPPING SCREWS PER INSTALLATION CLIP OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND METAL FRAME SUBSTRATE.
7. FASTENER THROUGH FRAME: FOR INSTALLATION INTO 2X WOOD FRAME USE ONE (1) #10 WOOD SCREW PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
8. FASTENER THROUGH FRAME: FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/ MASONRY, USE ONE (1) 3/16 INCH ITW TAPCON PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
9. FASTENER THROUGH FRAME: FOR INSTALLATION THROUGH METAL STUD USE ONE (1) #10 SELF-TAPPING SCREWS PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND METAL FRAME SUBSTRATE.
- 10.NAILING FLANGE: FOR INSTALLATION INTO 2X WOOD FRAME USE ONE (1) #8 WOOD SCREW OR 8D COMMON NAIL PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- 11.NAILING FLANGE: FOR INSTALLATION THROUGH METAL STUD USE ONE (1) #8 SELF-TAPPING SCREW OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM 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.
- 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. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90.

D. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 33 MILS. (20 GUAGE)

E. ALUMINUM - 1/8" MINIMUM THICKNESS (6063-T5).

ANDERSEN CORPORATION

400 SERIES CASEMENT WINDOW

(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/A440-11
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 OR EQUAL.
7. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 5 FOR GLAZING DETAIL.
8. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:

X: OPERABLE PANEL

O: FIXED PANEL
9. CUSTOM SIZES AVAILABLE UPON REQUEST.

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10	TWO-WAY MULL TABLE (2), ELEVATION C, & MULL ANCHOR DETAILS

SIZE & CONFIGURATION	DESIGN PRESSURE	MISSILE IMPACT RATING
(O) 72" X 36"	+70/-70 PSF	NON-IMPACT
(X) 36" X 72"	+40/-40 PSF	NON-IMPACT
(X) 36" X 60"	+45/-45 PSF	NON-IMPACT
(X) 36" X 53"	+50/-50 PSF	NON-IMPACT
(X) 28.5" X 72"	+50/-50 PSF	NON-IMPACT
(XX) 72" X 60"	+45/-45 PSF	NON-IMPACT
(XX) 56" X 72"	+50/-50 PSF	NON-IMPACT
(XX) 72" X 53"	+50/-50 PSF	NON-IMPACT
(XOX) 84 " X 60"	+40/-40 PSF	NON-IMPACT
(XOX) 72 " X 60"	+50/-50 PSF	NON-IMPACT

NOTE: NAILING FLANGE INSTALLATIONS LIMITED TO +/- 50 PSF



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TITLE:
400 SERIES CASEMENT WINDOW
(NON-HVHZ)(NON-IMPACT)

GENERAL & INSTALLATION NOTES

PREPARED BY:

BUILDING DROPS, INC.

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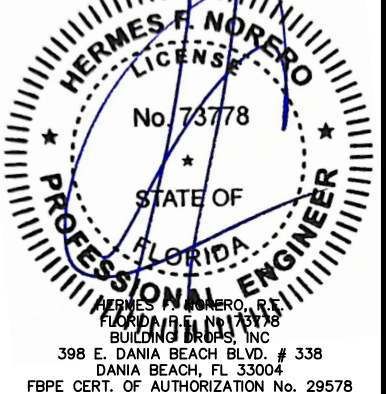
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REMARKS	BY	DATE
5TH FBC CODE CHANGE	SM	4.8.15
6TH FBC CODE CHANGE	HR	8.8.17
7TH FBC CODE CHANGE	SR	3.16.20
8TH FBC CODE CHANGE	OL	5.19.23

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.08.14 14:57:00 -0400'



FL #:

FL12496

DATE: 08.08.17

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HR

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HFN

SCALE: NTS

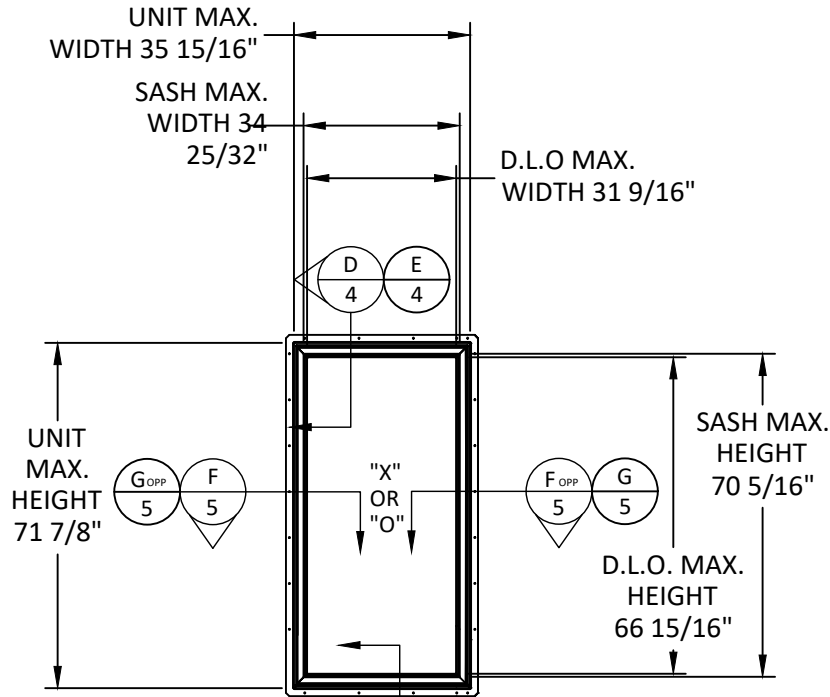
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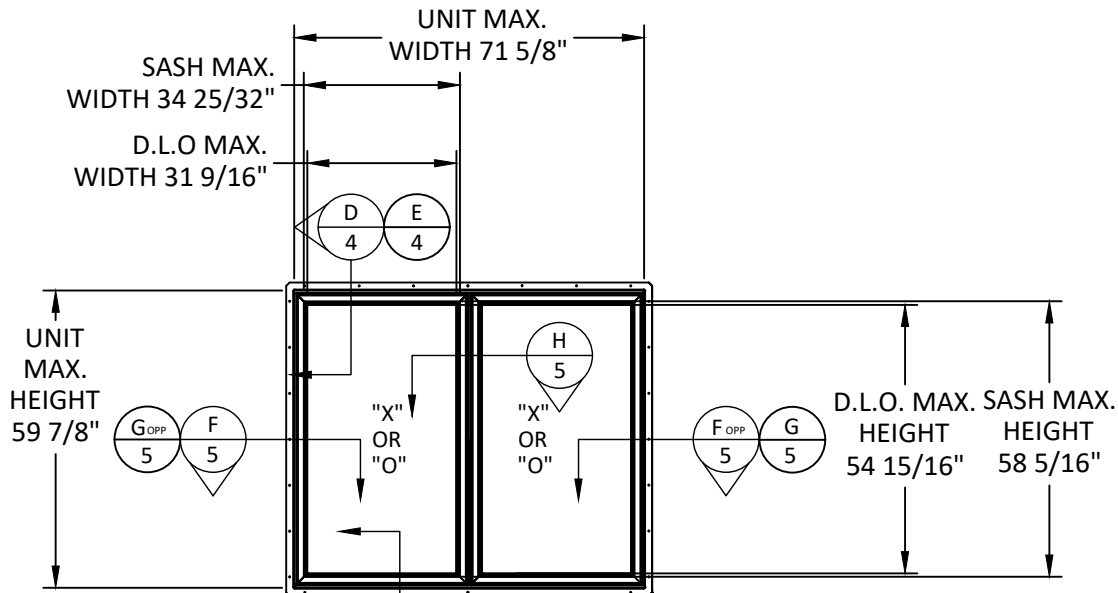
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OF 10

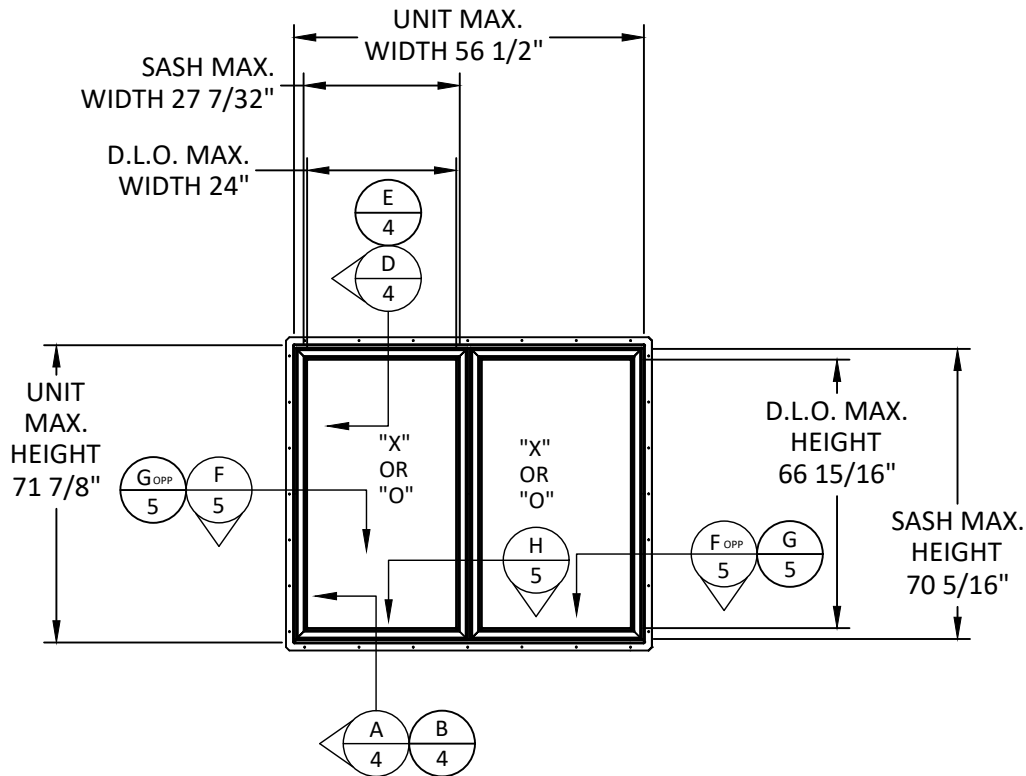
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IN ANY COMBINATION



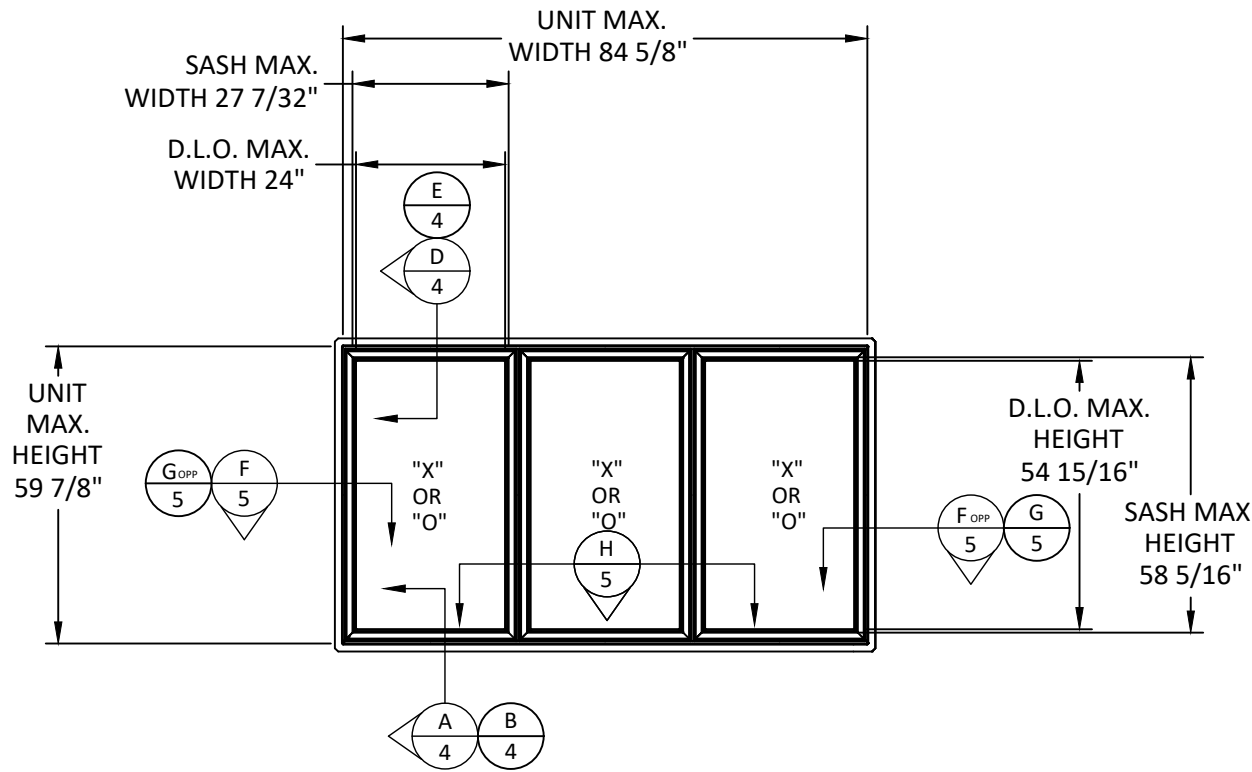
ELEVATION
CXW16



ELEVATION
CXW25



ELEVATION
CW26



ELEVATION
CW35



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ELEVATIONS

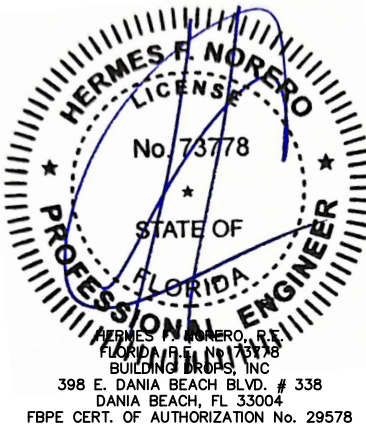
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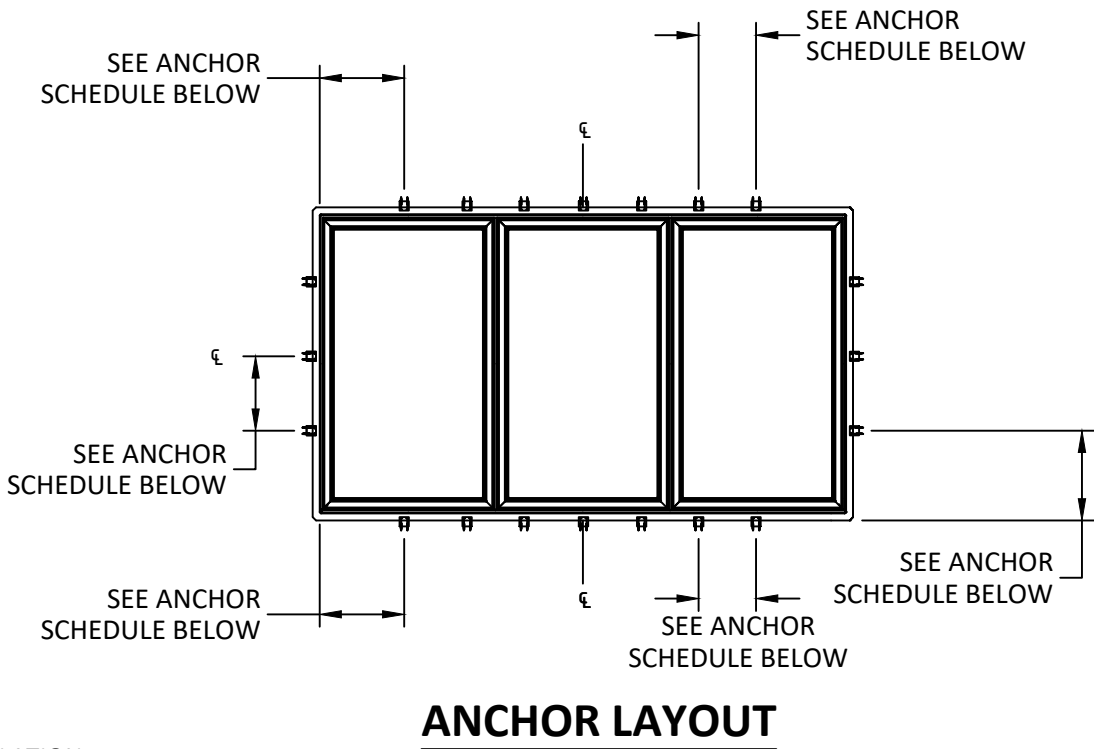
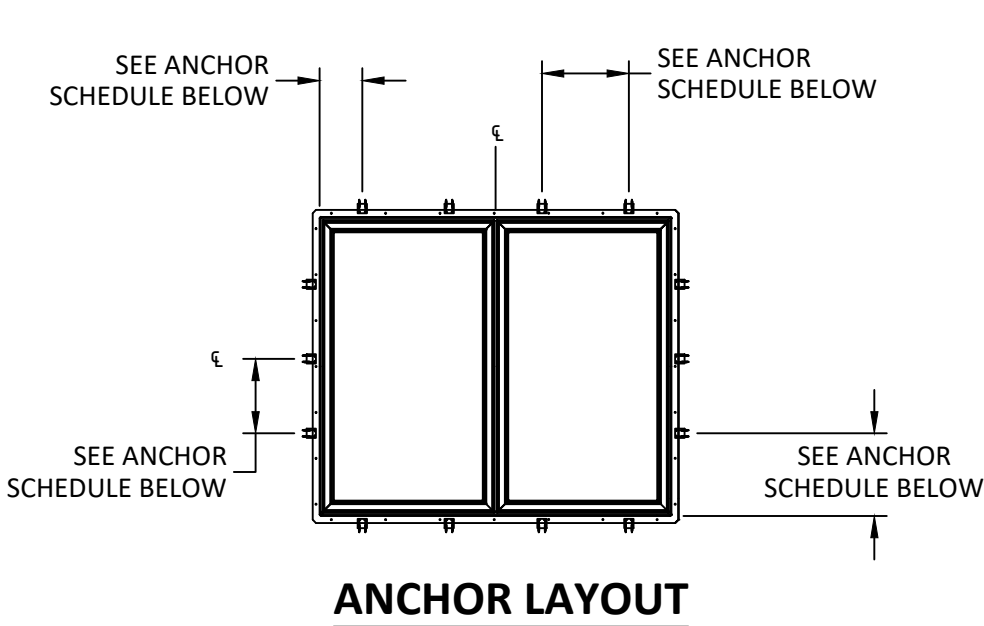
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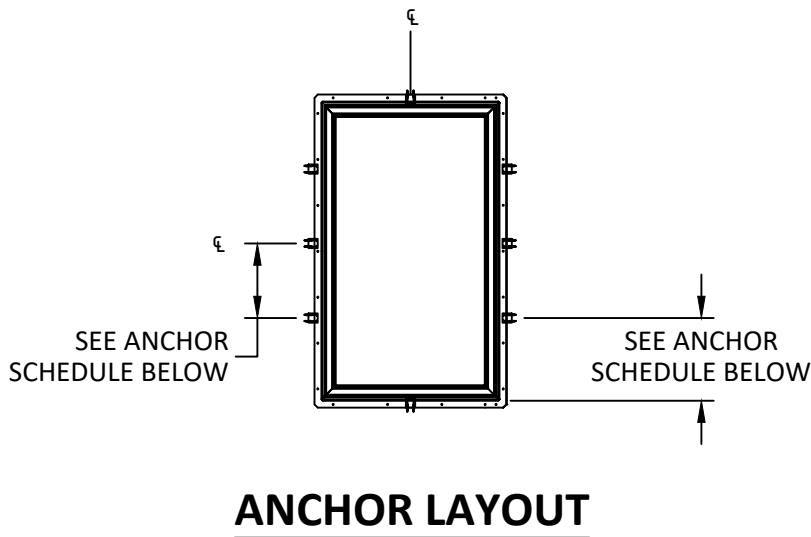


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SCALE:	NTS
DWG. #:	AWD115
SHEET:	2

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IN ANY COMBINATION



*NOTE: NAILING FLANGE INSTALLATION
LIMITED TO +/- 50 PSF



ANCHOR SCHEDULE								
INSTALLATION TYPE	QTY PER LOCATION	SUBSTRATE	ANCHOR TYPE	EMBEDMENT (IN.)	EDGE DISTANCE (IN.)	HEAD/SILL O.C. DISTANCE (IN.)	JAMB O.C. DISTANCE (IN.)	CORNER DISTANCE (IN.)
CLIP	2	WOOD	#8 WOOD ANCHOR	1.5	0.75	20	20	6
CLIP	1	WOOD	#10 WOOD ANCHOR	1.5	0.75	20	20	6
CLIP	1	CONCRETE/ MASONRY	3/16" ITW TAPCON	1.25	2.5	20	20	6
CLIP	1	METAL STUD	#8 SELF-TAPPING SCREW	3 THREADS MIN. PENETRATION PAST STRUCTURE	0.50	20	20	6
THRU FRAME	1	WOOD	#10 WOOD ANCHOR	1.5	0.75	20	20	6
THRU FRAME	1	CONCRETE/ MASONRY	3/16" ITW TAPCON	1.25	2.5	20	20	6
THRU FRAME	1	METAL STUD	#10 SELF-TAPPING SCREW	3 THREADS MIN. PENETRATION PAST STRUCTURE	0.50	20	20	6
NAILING FLANGE	1	WOOD	#8 WOOD ANCHOR	1.5	0.75	8	8	6
NAILING FLANGE	1	WOOD	8D COMMON NAIL	1.5	0.75	8	8	6
NAILING FLANGE	1	METAL STUD	#8 SELF TAPPING SCREW	3 THREADS MIN. PENETRATION PAST STRUCTURE	0.50	8	8	6



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ELEVATIONS & ANCHOR LAYOUTS

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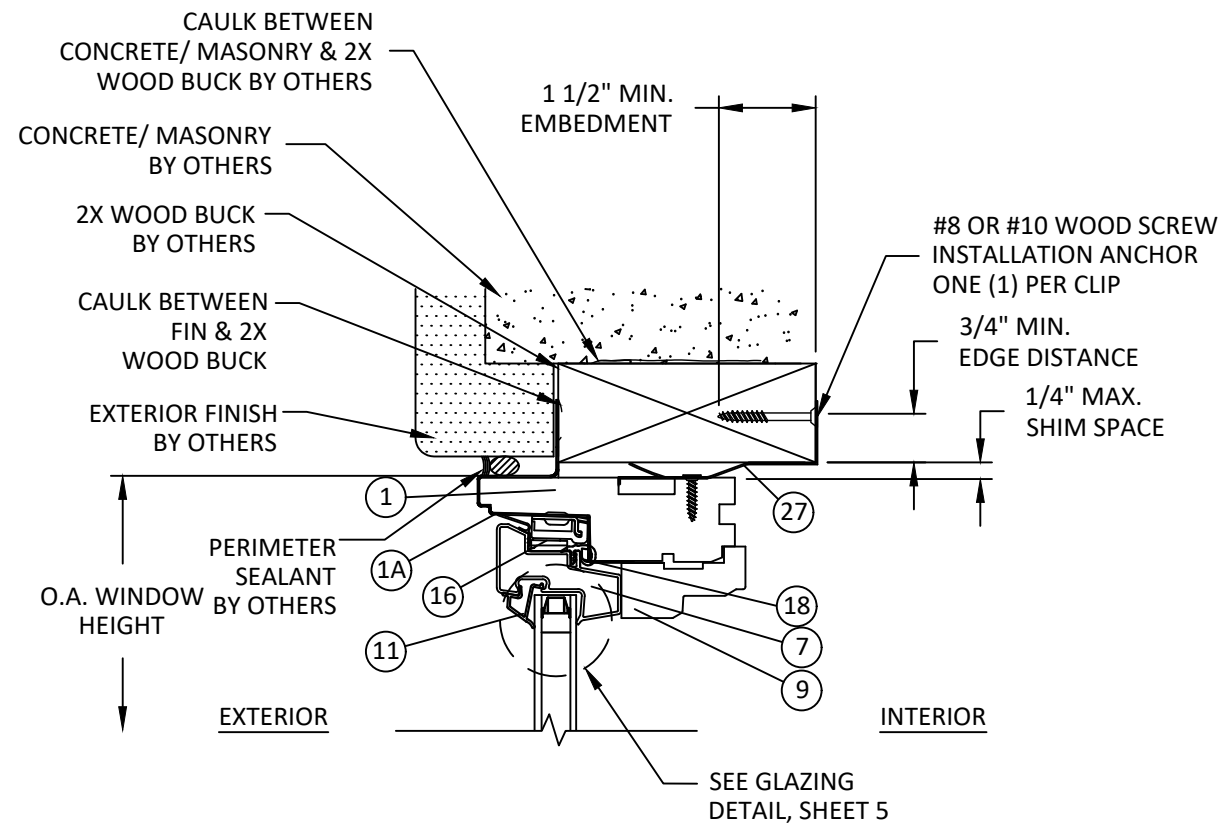
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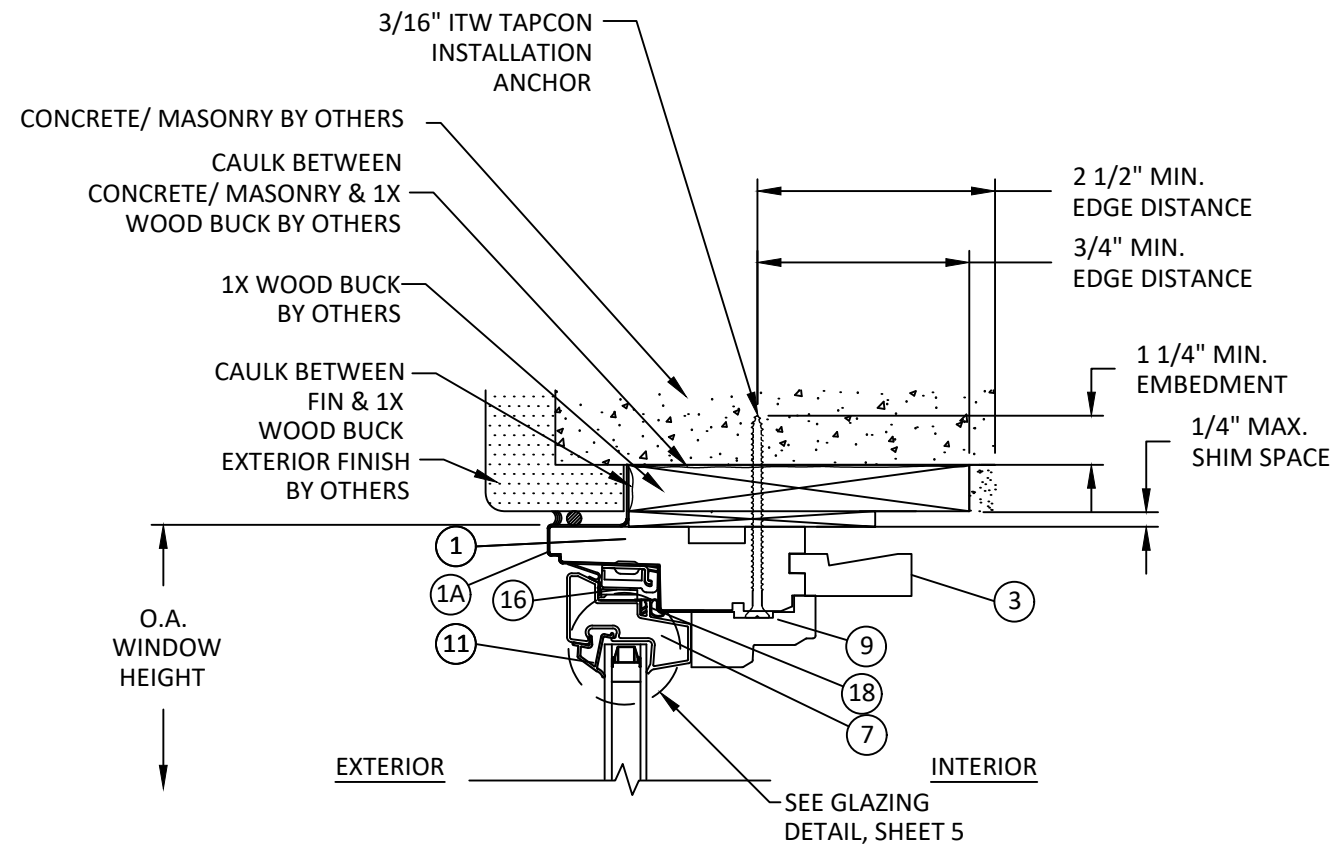
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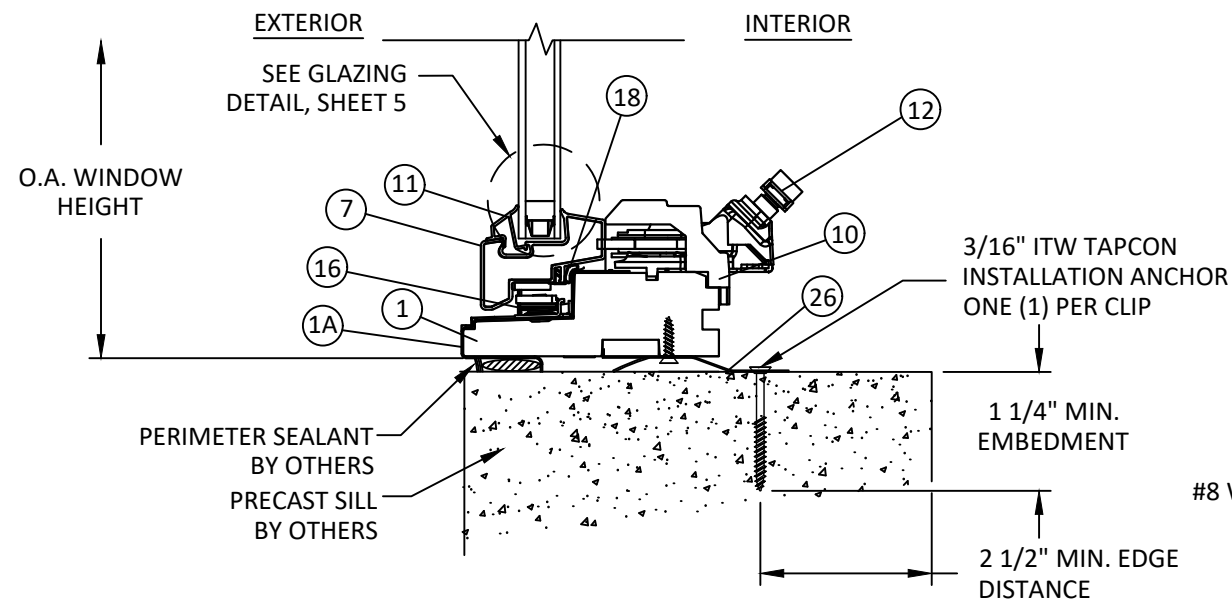


NOTE: WHEN USING INSTALLATION CLIP, ITEM # 27, USE OF THE NAILING FIN IS REQUIRED.

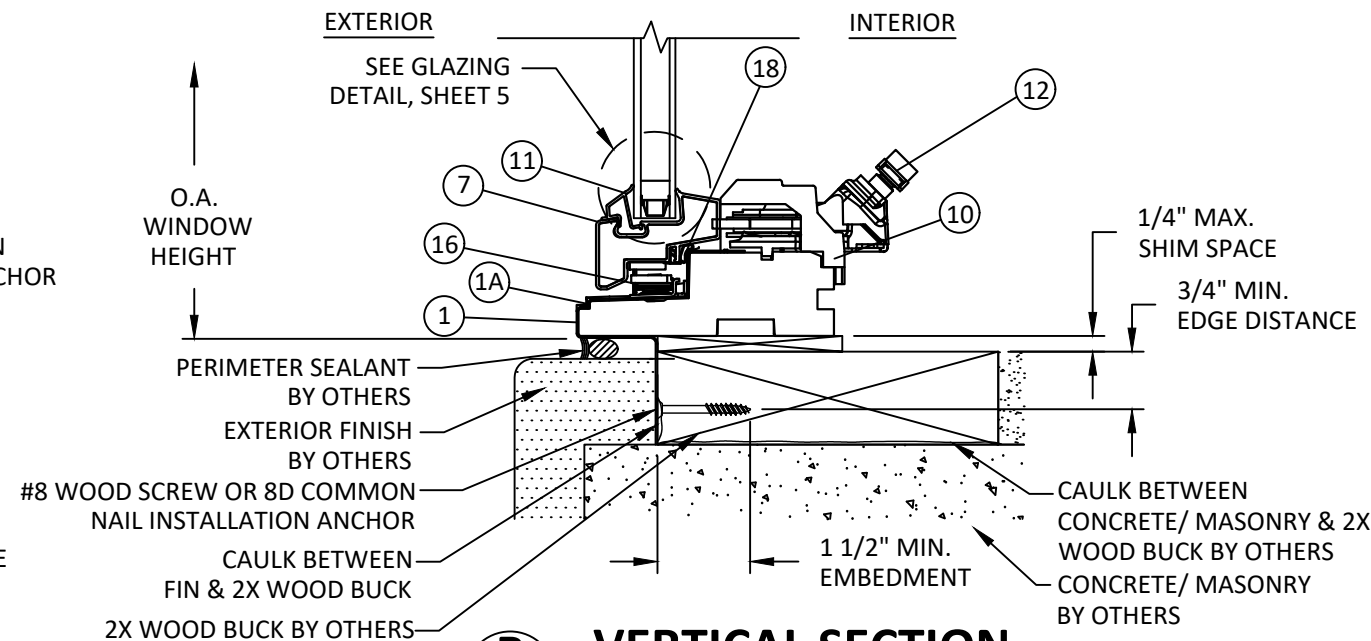
D
4 **VERTICAL SECTION**
HEAD - 2X WOOD FRAME
INSTALLATION CLIP



E
4 **VERTICAL SECTION**
HEAD - 1X WOOD/CONCRETE/MASONRY
THROUGH FRAME



A
4 **VERTICAL SECTION**
SILL - PRECAST CONCRETE
INSTALLATION CLIP



B
4 **VERTICAL SECTION**
SILL - 2X WOOD/CONCRETE/MASONRY
NAILING FIN



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VERTICAL SECTIONS

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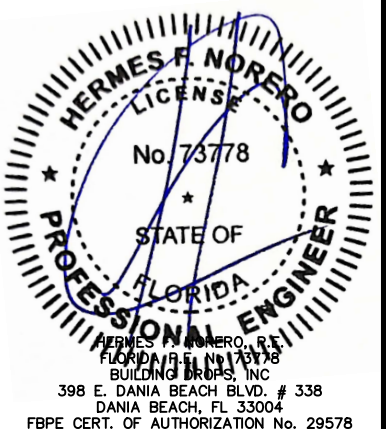
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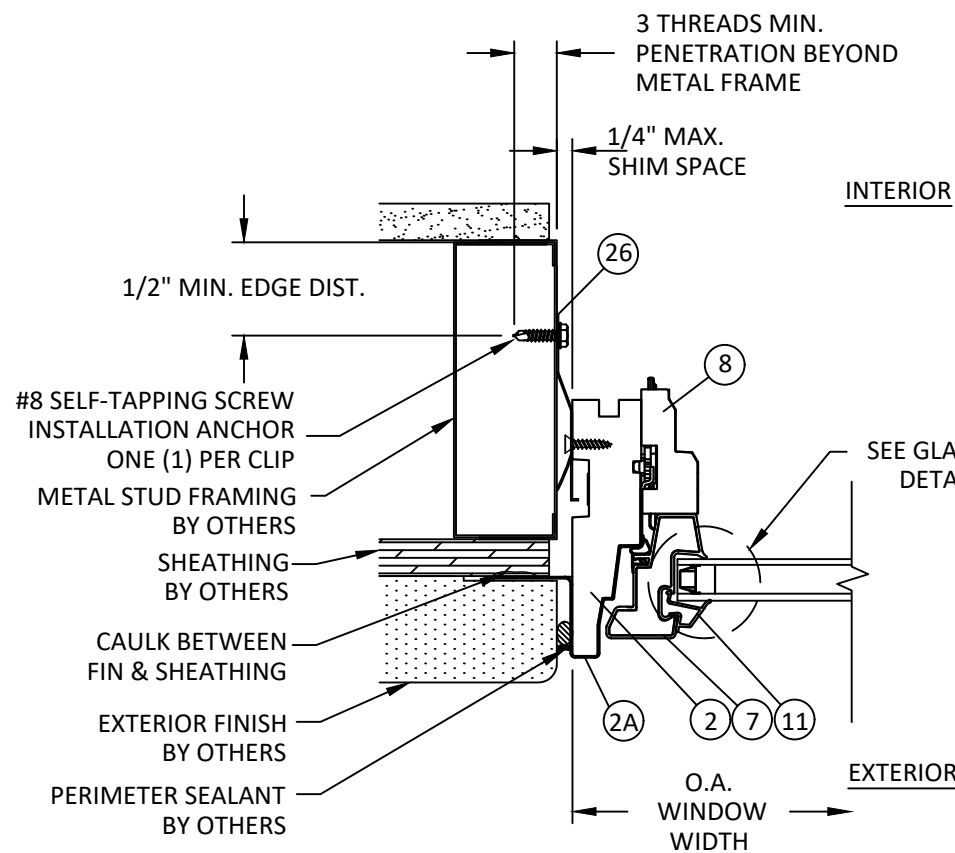
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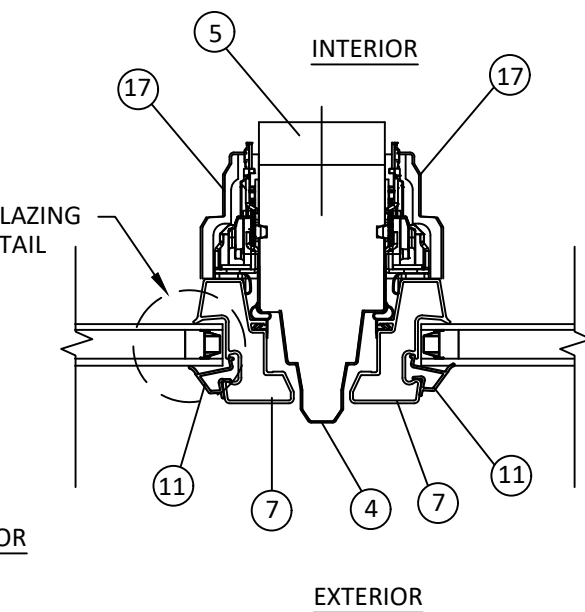
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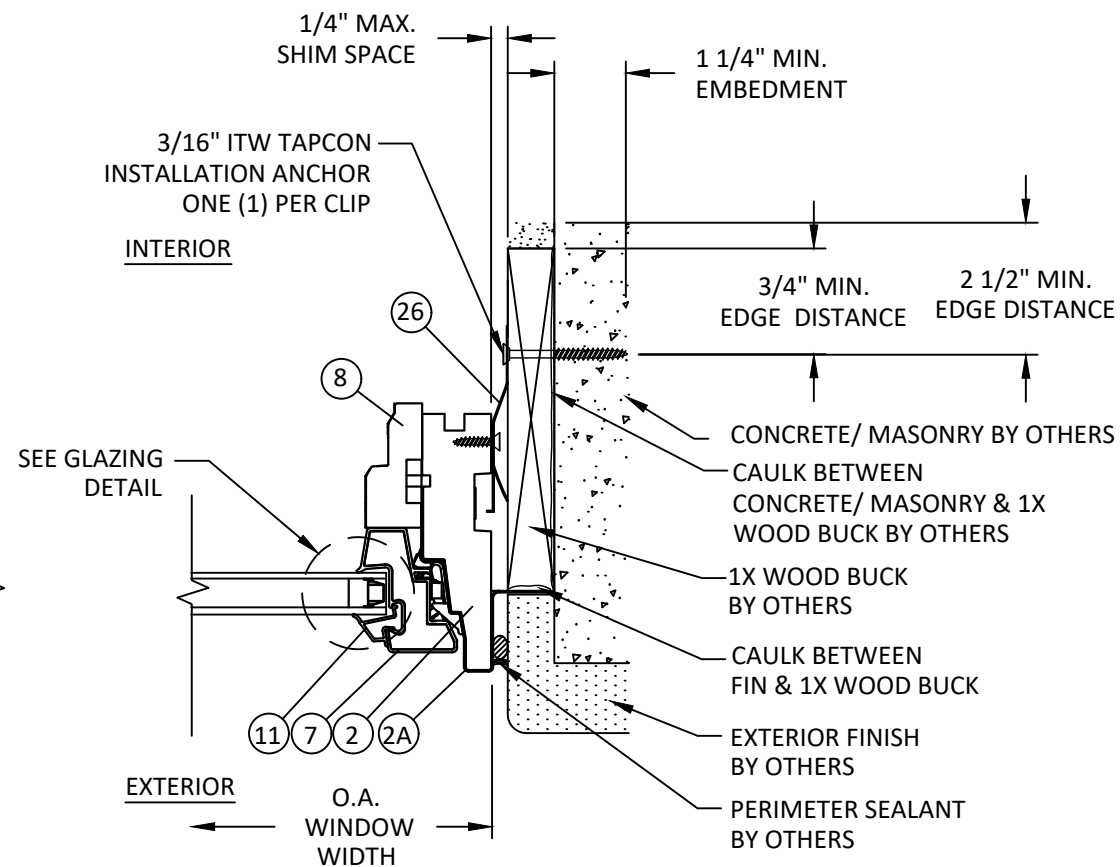
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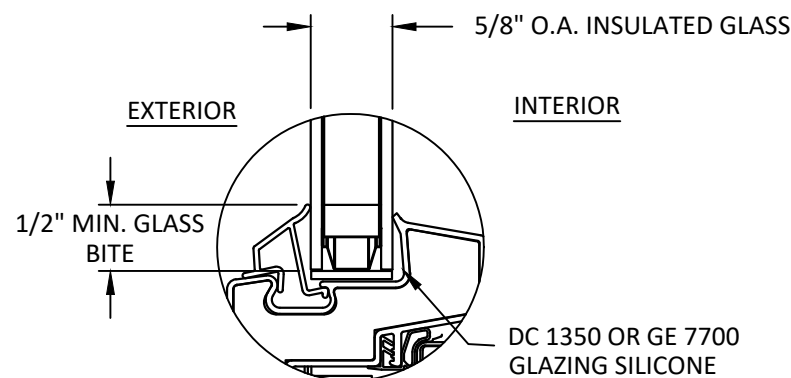
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5 **HORIZONTAL SECTION**
JAMB - METAL STUD FRAME
INSTALLATION CLIP



H
5 **HORIZONTAL SECTION**
INTEGRAL MULLION POST



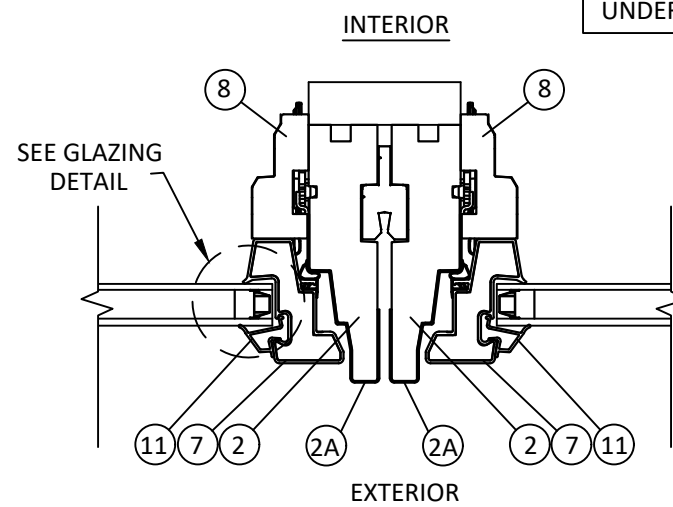
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5 **HORIZONTAL SECTION**
JAMB - 1X WOOD/CONCRETE/MASONRY
INSTALLATION CLIP



GLAZING DETAIL 1

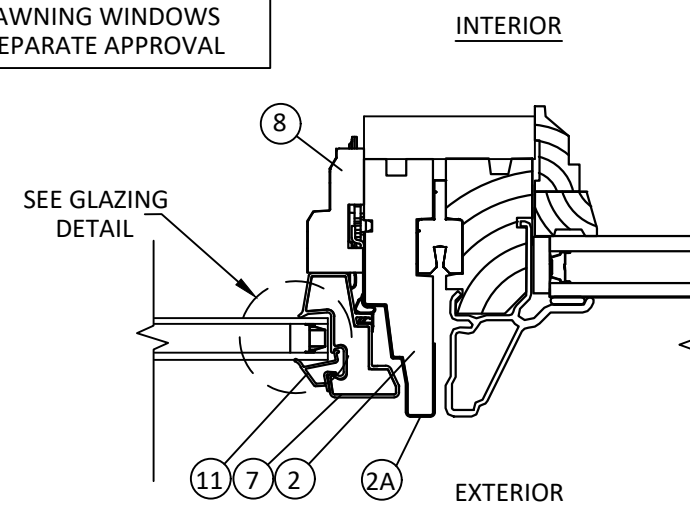
GLAZING NOTES:

1. GLAZING SHALL COMPLY WITH ASTM E1300 AND FBC SAFETY GLAZING REQUIREMENTS.
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 ON ELEVATIONS.



I
5 **HORIZONTAL SECTION**
CS/AW TO CS/AW
NARROW WOOD MULL

NOTE:
FIXED & AWNING WINDOWS
UNDER SEPARATE APPROVAL



J
5 **HORIZONTAL SECTION**
CASEMENT/AWNING TO FLEXIFRAME
NARROW WOOD MULL



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HORIZONTAL SECTIONS & GLAZING DETAIL

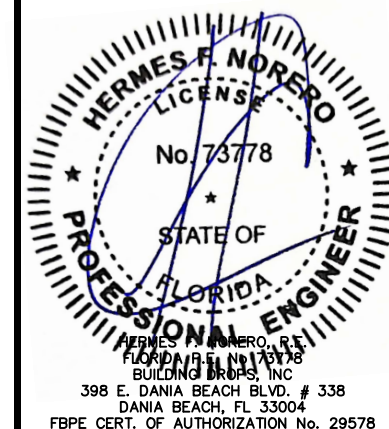
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SCALE: **NTS**

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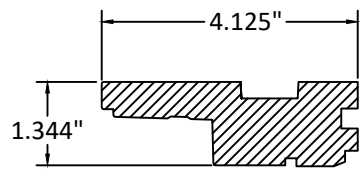
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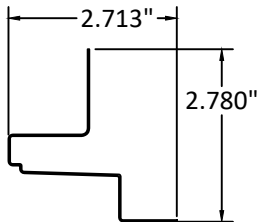
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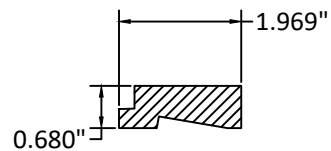
1 FRAME HEAD/SILL
WOOD



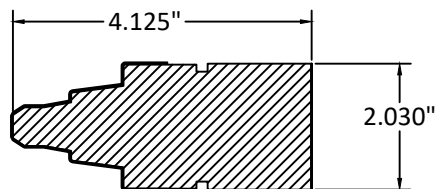
1A FRAME HEAD/SILL CLAD.
PVC



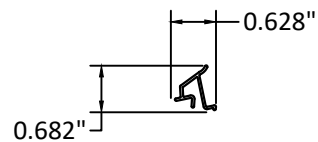
3 EXTENSION JAMB
WOOD



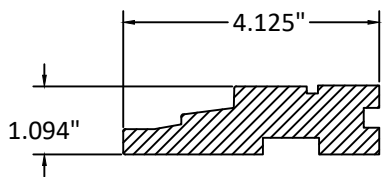
4 MULLION POST
WOOD/PVC



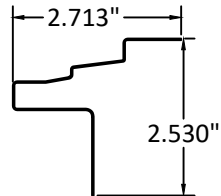
11 GLAZING BEAD
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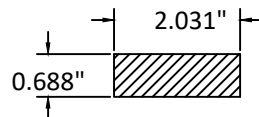
2 FRAME SIDE
WOOD



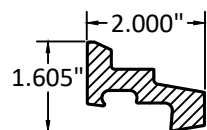
2A FRAME SIDE VINYL CLAD.
PVC



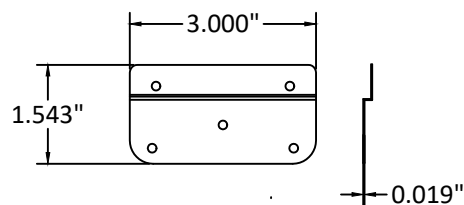
5 MULLION POST CASING
WOOD



7 SASH RAIL/STILE
WOOD/PVC



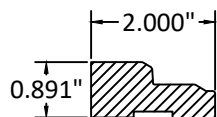
15 STATIONARY SASH CLIP
GALV. STEEL



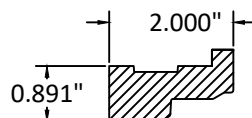
BILL OF MATERIALS				
NO	DRAWING NUMBER	DESCRIPTION	MATERIAL	MANUFACTURER
1	30835	FRAME HEAD/SILL	WOOD	ANDERSEN
2	30838	FRAME SIDE	WOOD	ANDERSEN
3	30208	EXTENSION JAMB	WOOD	ANDERSEN
4	30839	MULLION POST	WOOD/PVC	ANDERSEN
5	30056	MULLION POST CASING	WOOD	ANDERSEN
7	30016	SASH RAIL/STILE	WOOD/PVC	ANDERSEN
8	30847/8	TRIM STOP JAMB	WOOD	ANDERSEN
9	30841	TRIM STOP HEAD	WOOD	ANDERSEN
10	30842-45	TRIM STOP SILL	WOOD	ANDERSEN
11	35031	GLAZING BEAD	PVC	-
12	0102405/06	ROTO OPERATOR	STEEL	AMEROCK CORP.
13	30241	SNUGGER	ALUMINUM	-
14	#7 X 3/4"	SNUGGER SCREW	-	-
15	30053	STATIONARY SASH CLIP	GALV. STEEL	-
16		HINGES	STEEL	AMEROCK CORP.
17	30813/15	LOCK W/ KEEPERS ON SASH	STEEL	AMEROCK CORP.
18	30213/14	WEATHER STRIPPING	-	-
20	30070	NARROW WOOD MULLION	-	-
21	30065	NARROW WOOD MULL GUSSET PLATE	STEEL	-
22		BRAD NAILS 1-1/2" LONG	GALV. STEEL	-
23	30172	FOAM WEATHERSTRIPPING	-	-
2A	30023/29	FRAME SIDE VINYL CLADDING	PVC	ANDERSEN
1A	30023/29	FRAME HEAD/SILL VINYL CLADDING	PVC	ANDERSEN
26	20165	INSTALLATION CLIP	304 SS	-
27	94577	INSTALLATION CLIP	304 SS	-

NOTE: ALL WOOD TO BE PONDEROSA PINE OR EQUAL

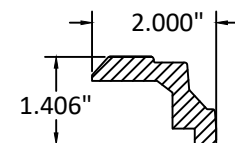
8 TRIM STOP JAMB
WOOD



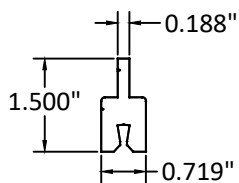
9 TRIM STOP HEAD
WOOD



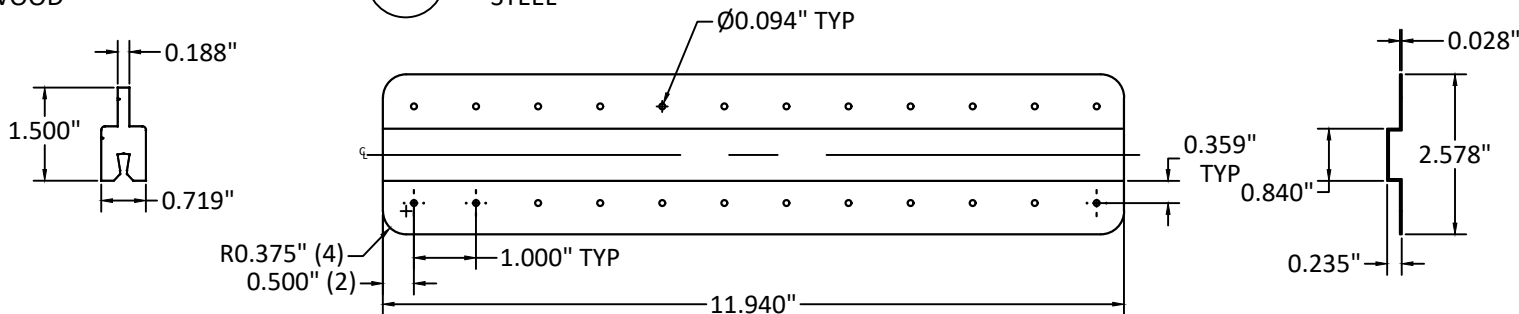
10 TRIM STOP SILL
WOOD



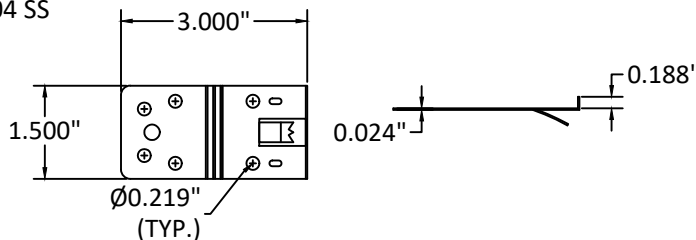
20 NARROW WOOD MULL.
WOOD



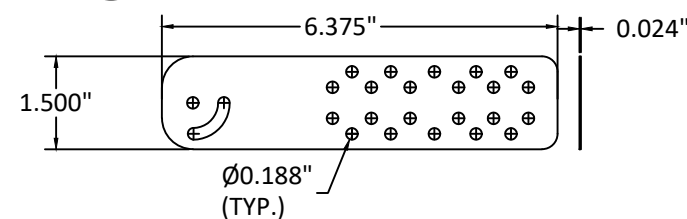
21 NARROW WOOD MULL. GUSSET
STEEL



26 INSTALLATION CLIP
304 SS



27 INSTALLATION CLIP
304 SS



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

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

COMPONENTS & BILL OF MATERIALS

PREPARED BY:

BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004

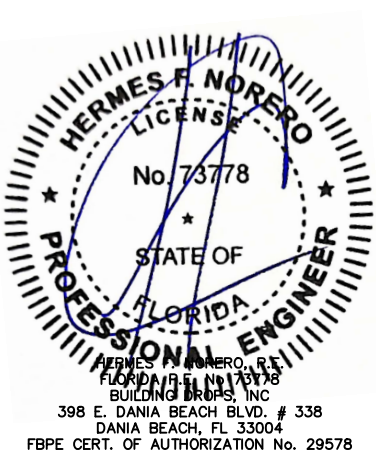
PH: (954) 399-8478
FAX: (954) 744-4738

WEB: www.buildingdrops.com



REMARKS	BY	DATE
5TH FBC CODE CHANGE	SM	4.8.15
6TH FBC CODE CHANGE	HR	8.8.17
7TH FBC CODE CHANGE	SR	3.16.20
8TH FBC CODE CHANGE	OL	5.19.23

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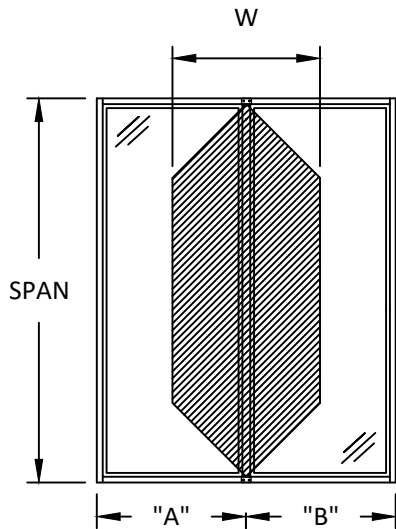


FL #:	FL12496
DATE:	08.08.17
DWG. BY:	HR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD115
SHEET:	6

Maximum Design Pressure Capacity Chart (psf)
One-Way Narrow Wood Mullion
Design pressures are limited by mullion capacity only.

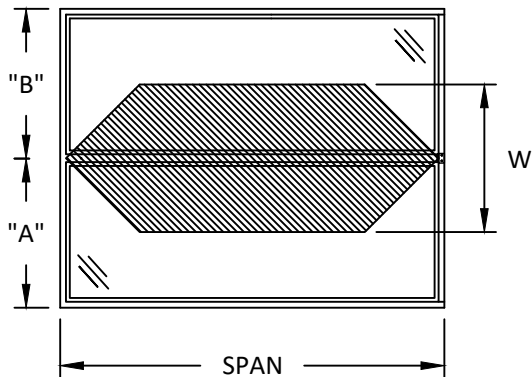
Span (in)	Tributary Width (in)																						
	18.0	25.0	30.0	37.0	42.0	49.0	54.0	61.0	66.0	73.0	78.0	85.0	90.0	97.0	102.0	109.0	114.0	121.0	126.0	133.0	138.0	145.0	150.0
30.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
37.0	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	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:
- 1) MULLION CHART APPLIES TO NARROW WOOD MULLION ASSEMBLIES, SEE DETAIL I/5, 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 CASEMENT WINDOWS, AWNING WINDOWS, OR THE 400 SERIES DIRECT GLAZED VINYL CLAD WINDOWS.
 - 6) ADJACENT WINDOWS SHALL BE FASTENED TO THE ROUGH OPENING IN ACCORDANCE WITH DETAILS K/10 OR L/10, SHEET 10.



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 WINDOW
(NON-HVHZ)/(NON-IMPACT)

ONE-WAY MULL TABLE (1) & ELEVATIONS

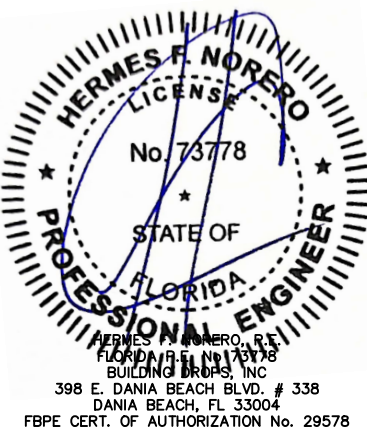
PREPARED BY:

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
5TH FBC CODE CHANGE	SM	4.8.15
6TH FBC CODE CHANGE	HR	8.8.17
7TH FBC CODE CHANGE	SR	3.16.20
8TH FBC CODE CHANGE	OL	5.19.23

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FL #: FL12496

DATE: 08.08.17

DWG. BY: HR
CHK. BY: HFN

SCALE: NTS

DWG. #: AWD115

SHEET:

7

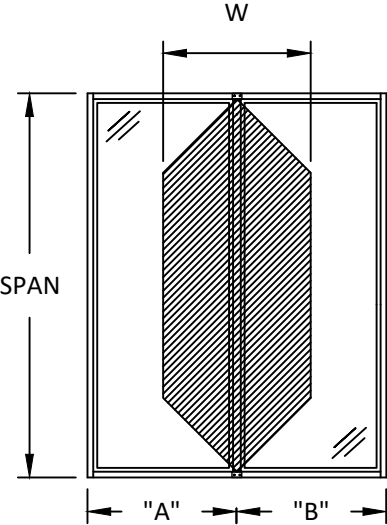
OF 10

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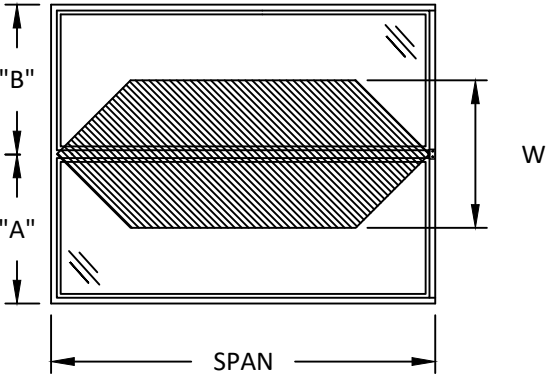
Maximum Design Pressure Capacity Chart
One-Way Narrow Wood Mullion
Design pressures are limited by mullion capacity only.

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 J/5, 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, AWNING WINDOWS, AND/OR CASEMENT WINDOWS.
 - 6) ADJACENT WINDOWS SHALL BE FASTENED TO THE ROUGH OPENING IN ACCORDANCE WITH DETAILS K/10 OR L/10, SHEET 10.



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



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

ANDERSEN
WINDOWS & DOORS

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

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

ONE-WAY MULL TABLE (2) & ELEVATIONS

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

B.D.
BUILDING DROPS

REMARKS	BY	DATE
5TH FBC CODE CHANGE	SM	4.8.15
6TH FBC CODE CHANGE	HR	8.8.17
7TH FBC CODE CHANGE	SR	3.16.20
8TH FBC CODE CHANGE	OL	5.19.23

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HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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

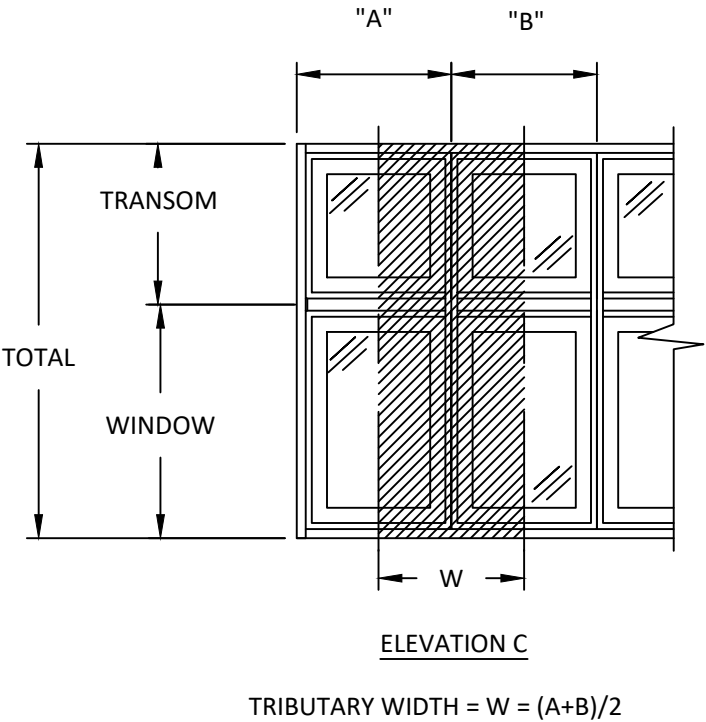
FL #:	FL12496
DATE:	08.08.17
DWG. BY:	CHK. BY:
HR	HFN
SCALE:	NTS
DWG. #:	AWD115
SHEET:	8

OF 10

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 I/5, 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 K/10 OR L/10, SHEET 10.



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

TITLE:
400 SERIES CASEMENT WINDOW
(NON-HVHZ)(NON-IMPACT)
TWO-WAY MULL TABLE (1) & ELEVATION C

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
5TH FBC CODE CHANGE	SM	4.8.15
6TH FBC CODE CHANGE	HR	8.8.17
7TH FBC CODE CHANGE	SR	3.16.20
8TH FBC CODE CHANGE	OL	5.19.23

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 #:
FL12496

DATE: 08.08.17

DWG. BY: HR
CHK. BY: HFN

SCALE: NTS

DWG. #: AWD115

SHEET:

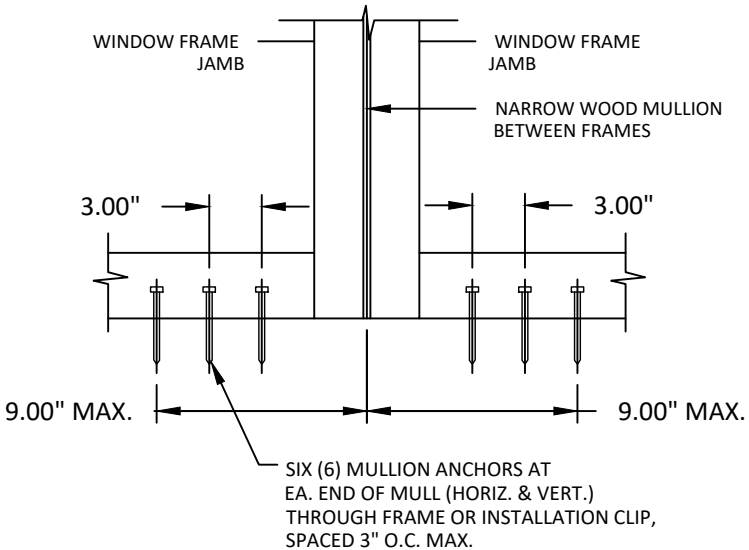
9

5/30/2023 12:53 PM
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Maximum Design Pressure Capacity Chart
Two-Way Narrow Wood Mullion
Design pressures are limited by mullion capacity only.

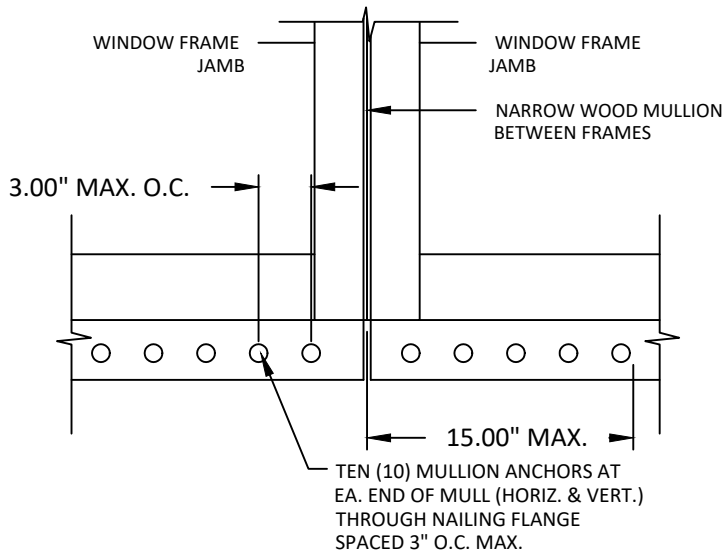
Span (in.)	Tributary Width (in)															
	18.0	25.0	30.0	37.0	42.0	49.0	54.0	61.0	66.0	73.0	78.0	85.0	90.0	97.0	102.0	109.0
30.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	75.8	68.5	64.1	58.8	55.6	51.6	49.0	45.9
36.0	80.0	80.0	80.0	80.0	80.0	70.9	64.3	56.9	52.6	47.6	44.5	40.9	38.6	35.8	34.1	31.9
42.0	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:
- 1) MULLION CHART APPLIES TO NARROW WOOD MULLION ASSEMBLIES, SEE DETAIL J/5, WHEN USED TO MULL WINDOWS IN CONFIGURATIONS SHOWN IN ELEVATION C.
 - 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, CASEMENT WINDOWS, AND/OR AWNING WINDOWS.
 - 6) ADJACENT WINDOWS SHALL BE FASTENED TO THE ROUGH OPENING IN ACCORDANCE WITH DETAILS K/10 OR L/10, SHEET 10.



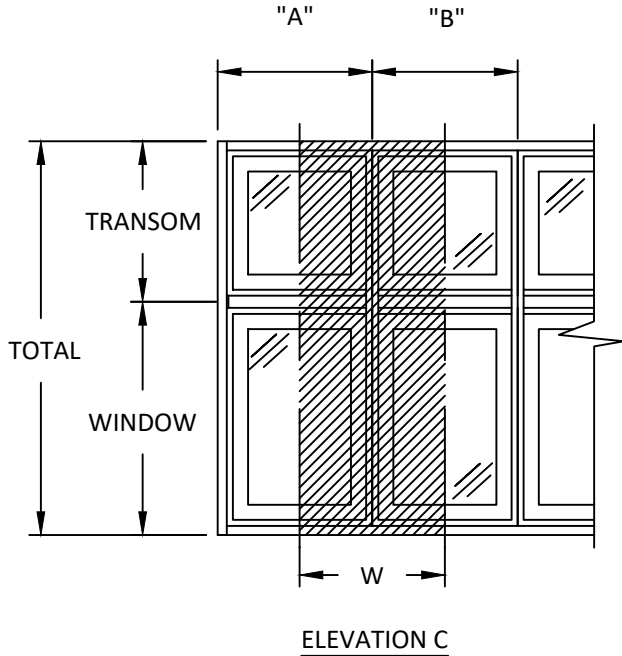
K
10

FRONT VIEW
MULLION ANCHOR DETAIL
THROUGH FRAME/INSTALLATION CLIP



L
10

FRONT VIEW
MULLION ANCHOR DETAIL
NAILING FLANGE



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



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

TWO-WAY MULL TABLE (2), ELEVATION C,
& MULL ANCHOR DETAILS

PREPARED BY:

BUILDING DROPS, INC.

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FL #:
FL12496

DATE: 08.08.17

DWG. BY:
HR

CHK. BY:
HFN

SCALE: NTS

DWG. #: AWD115

SHEET:

10

OF 10