

ANDERSEN CORPORATION

400 SERIES AWNING WINDOW

(NON-HVHZ)(NON-IMPACT)

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
- 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.
- INSTALLATION CLIP: FOR INSTALLATION THROUGH 2X WOOD FRAME USE TWO (2) #8 WOOD SCREW PER INSTALLATION CLIP OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- 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.
- INSTALLATION CLIP: FOR INSTALLATION THROUGH METAL STUD USE TWO (2) #8 SELF-TAPPING SCREWS PER INSTALLATION CLIP OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM MINIMUM PENETRATION THROUGH METAL FRAME SUBSTRATE.
- FASTENER THROUGH FRAME: FOR INSTALLATION THROUGH 2X WOOD FRAME USE ONE (1) #8 WOOD SCREW PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- 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.
- 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 MINIMUM PENETRATION THROUGH METAL FRAME SUBSTRATE.
- NAILING FLANGE: FOR INSTALLATION THROUGH 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.
- NAILING FLANGE: FOR INSTALLATION THROUGH METAL STUD USE ONE (1) #8 SELF-TAPPING SCREW OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION THROUGH METAL FRAME SUBSTRATE.
- 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.
- 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.
- 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.
 - CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - 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.
 - HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
 - STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 33 MILS. (20 GAUGE)
 - ALUMINUM - 1/8" MINIMUM THICKNESS (6063-T5).

GENERAL NOTES:

- 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
- 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.
- 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: PONDEROSA PINE OR EQUAL (MIN. S.G. = 0.40).
- GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 5 FOR GLAZING DETAIL.
- DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
X: OPERABLE PANEL
O: FIXED PANEL
- CUSTOM SIZES AVAILABLE UPON REQUEST.

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10	TWO-WAY MULL DP TABLES (2) & ELEVATION

DESIGN PRESSURE	MISSILE IMPACT RATING
+35/-35 PSF ALL SIZES	NON-IMPACT



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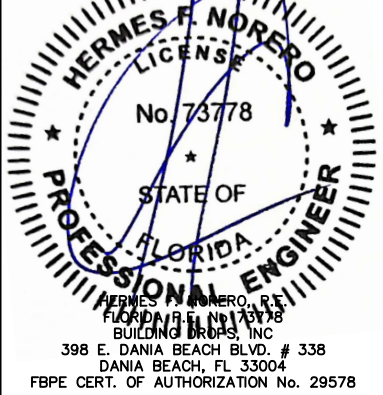
GENERAL AND
INSTALLATION NOTES

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

BUILDING DROPS

REMARKS	BY	DATE
5TH FBC CODE CHANGE	SM	4.10.15
6TH FBC CODE CHANGE	CL	8.15.17
7TH FBC CODE CHANGE	SR	3.19.20
8TH FBC CODE CHANGE	OL	5.25.23
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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.08.14 21:36:04 -04'



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FL15727

DATE: **08.15.17**

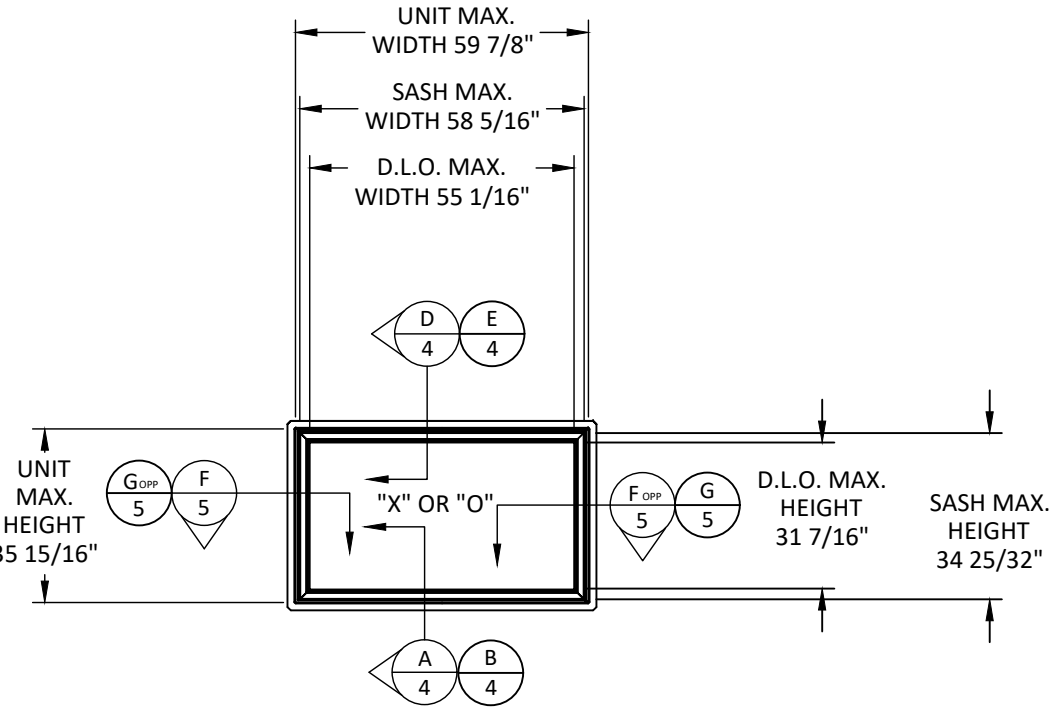
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SCALE: **NTS**

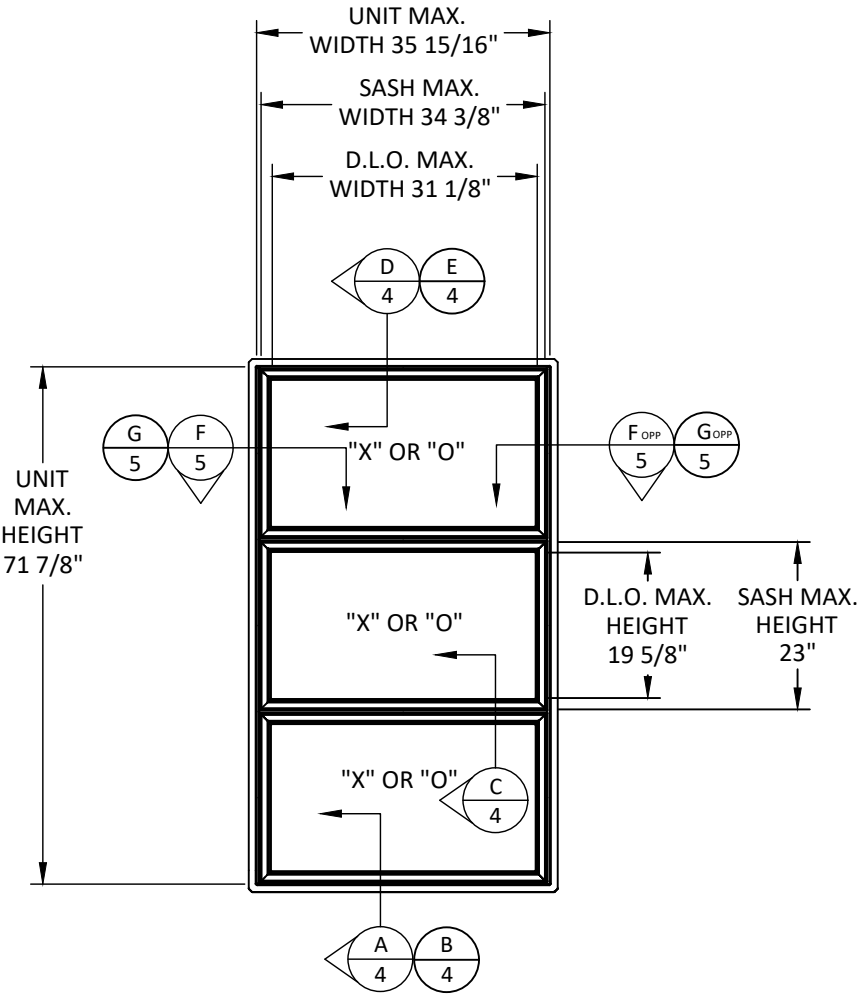
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SHEET:
1
OF 10

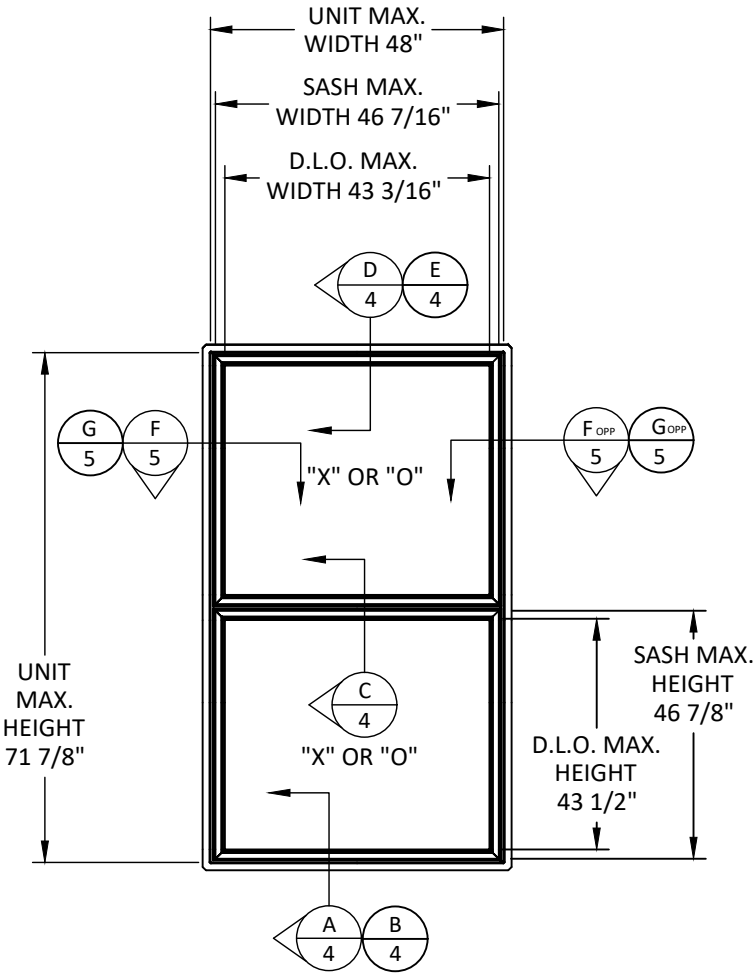
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IN ANY COMBINATION



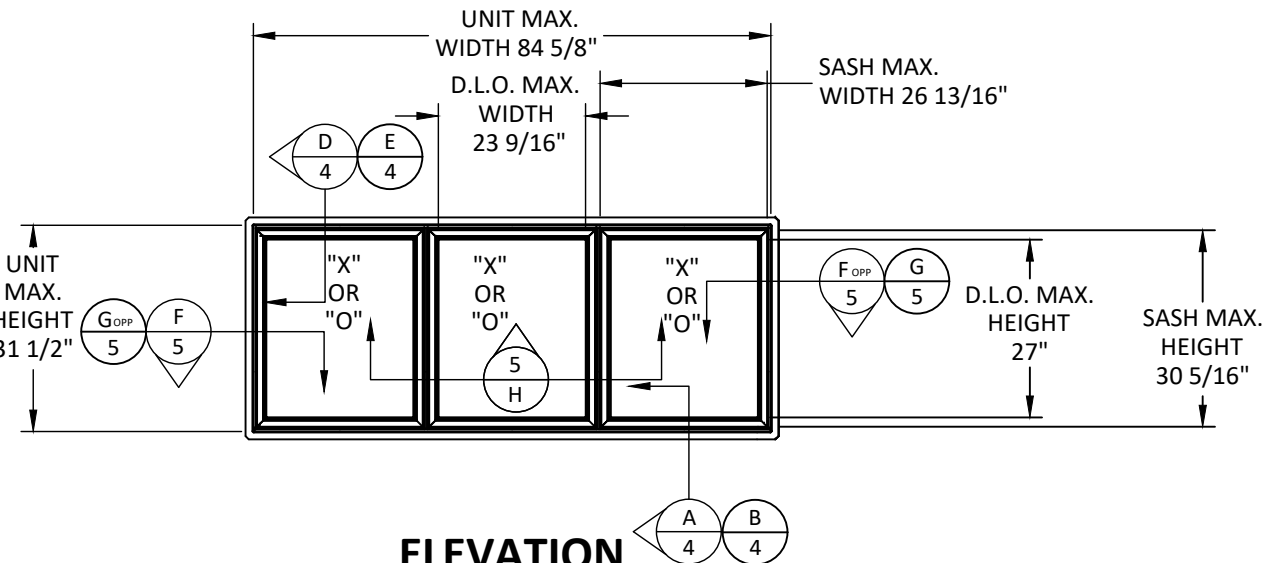
**ELEVATION
AXW 51**



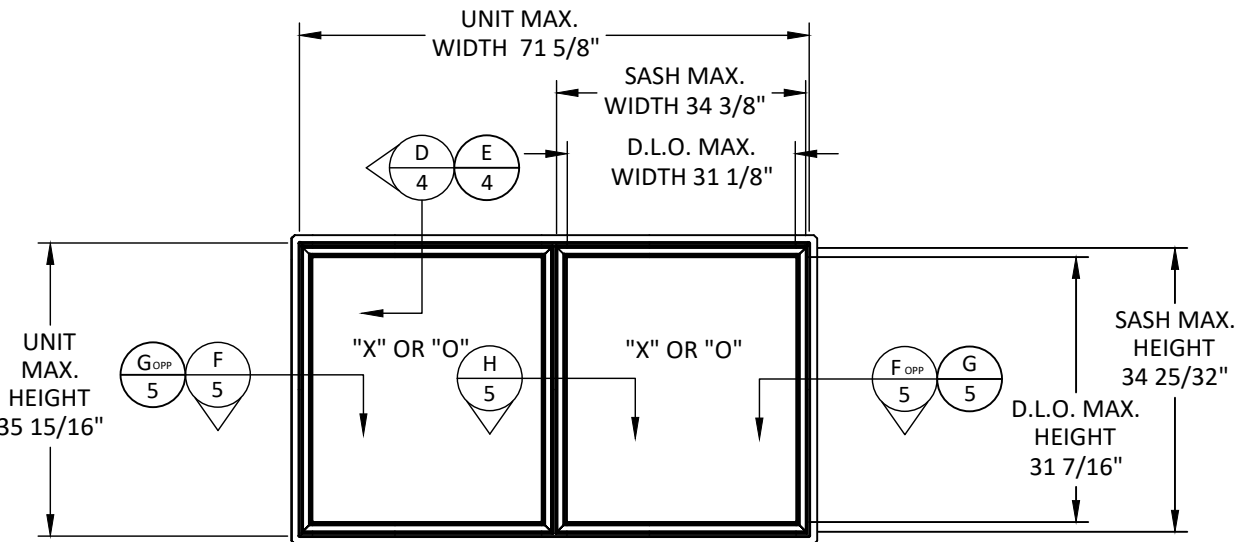
**ELEVATION
A313**



**ELEVATION
PA 4060**



**ELEVATION
AX 3251**



**ELEVATION
AXW 231**



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ELEVATIONS

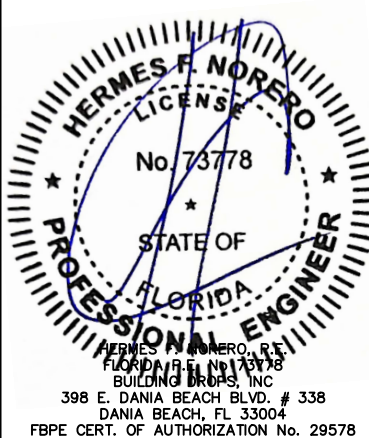
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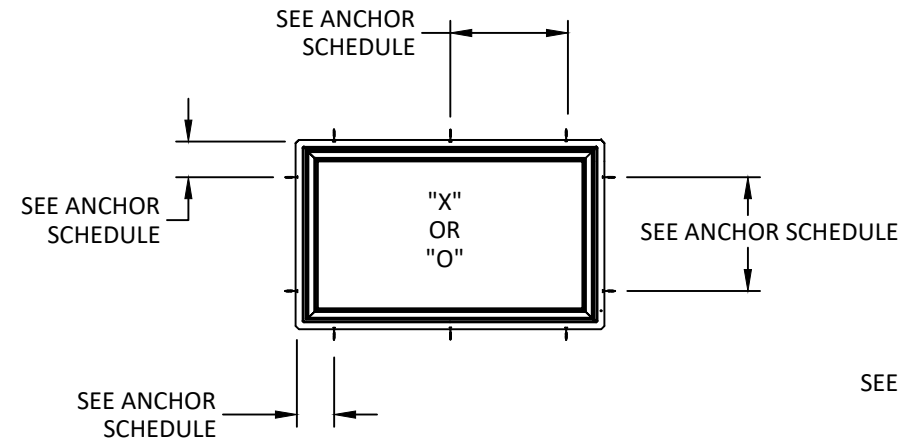
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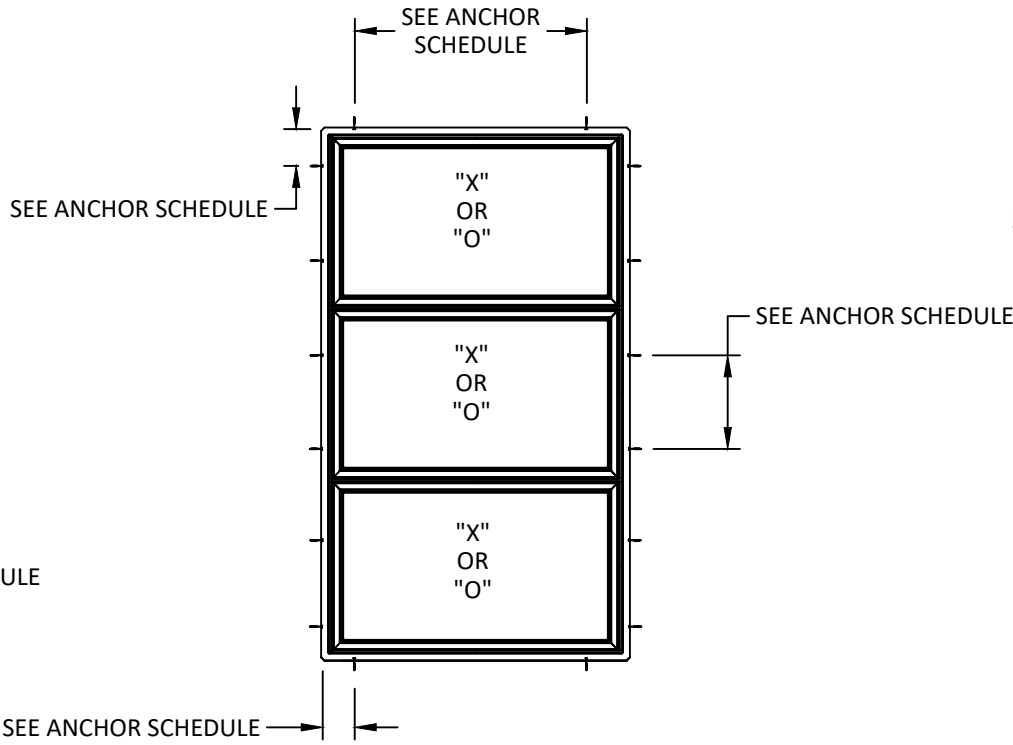
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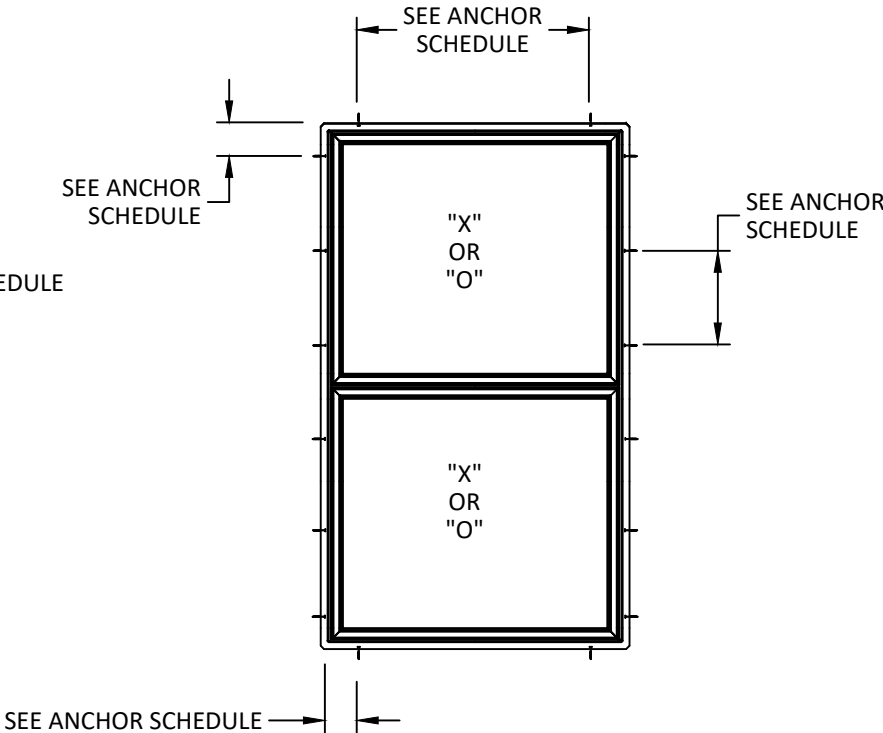
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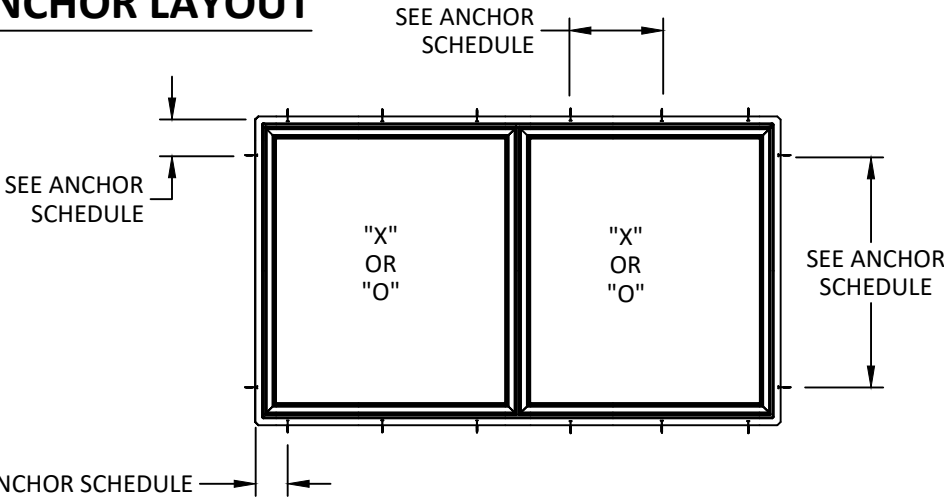
ANCHOR LAYOUT



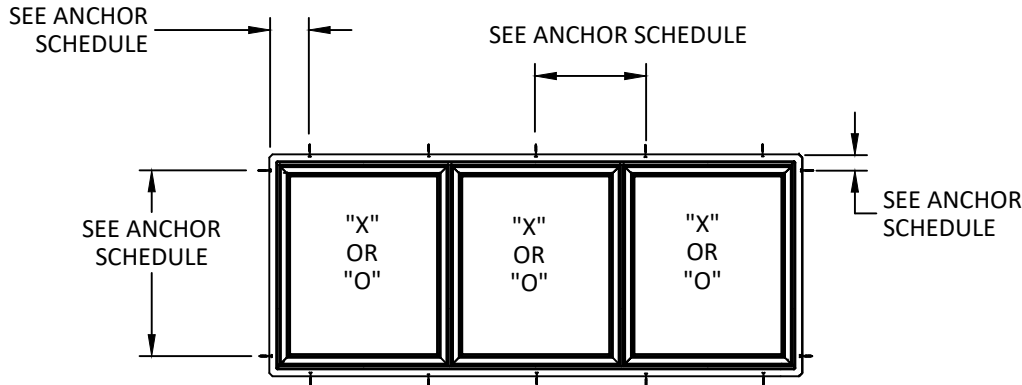
ANCHOR LAYOUT



ANCHOR LAYOUT



ANCHOR LAYOUT



ANCHOR LAYOUT

ANCHOR SCHEDULE								
INSTALLATI ON TYPE	QTY PER LOCATION	SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT (IN.)	MIN. EDGE DISTANCE (IN.)	HEAD/SILL MAX O.C. DISTANCE (IN.)	JAMB MAX O.C. DISTANCE (IN.)	CORNER DISTANCE (IN.)
CLIP	2	WOOD	#8 WOOD ANCHOR	1.5	0.75	20	20	6
CLIP	1	CONCRETE/ MASONRY	3/16" ITW TAPCON	1.25	1.125	20	20	6
CLIP	2	METAL STUD	#8 SELF-TAPPING SCREW	3 THREADS	0.50	20	20	6
THRU FRAME	1	WOOD	#8 WOOD ANCHOR	1.5	0.75	20	20	6
THRU FRAME	1	CONCRETE/ MASONRY	3/16" ITW TAPCON	1.25	1.125	20	20	6
THRU FRAME	1	METAL STUD	#8 SELF-TAPPING SCREW	3 THREADS	0.50	20	20	6
NAILING FLANGE	1	WOOD	SD ROOFING NAIL	1	0.75	8	8	4
NAILING FLANGE	1	WOOD	#8 WOOD ANCHOR	1.5	0.75	8	8	4
NAILING FLANGE	1	METAL STUD	#8 SELF-TAPPING SCREW	3 THREADS	0.50	8	8	4



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ANCHOR LAYOUTS

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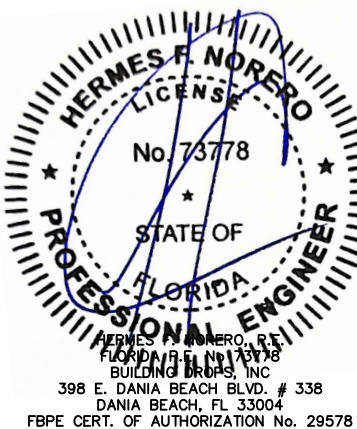
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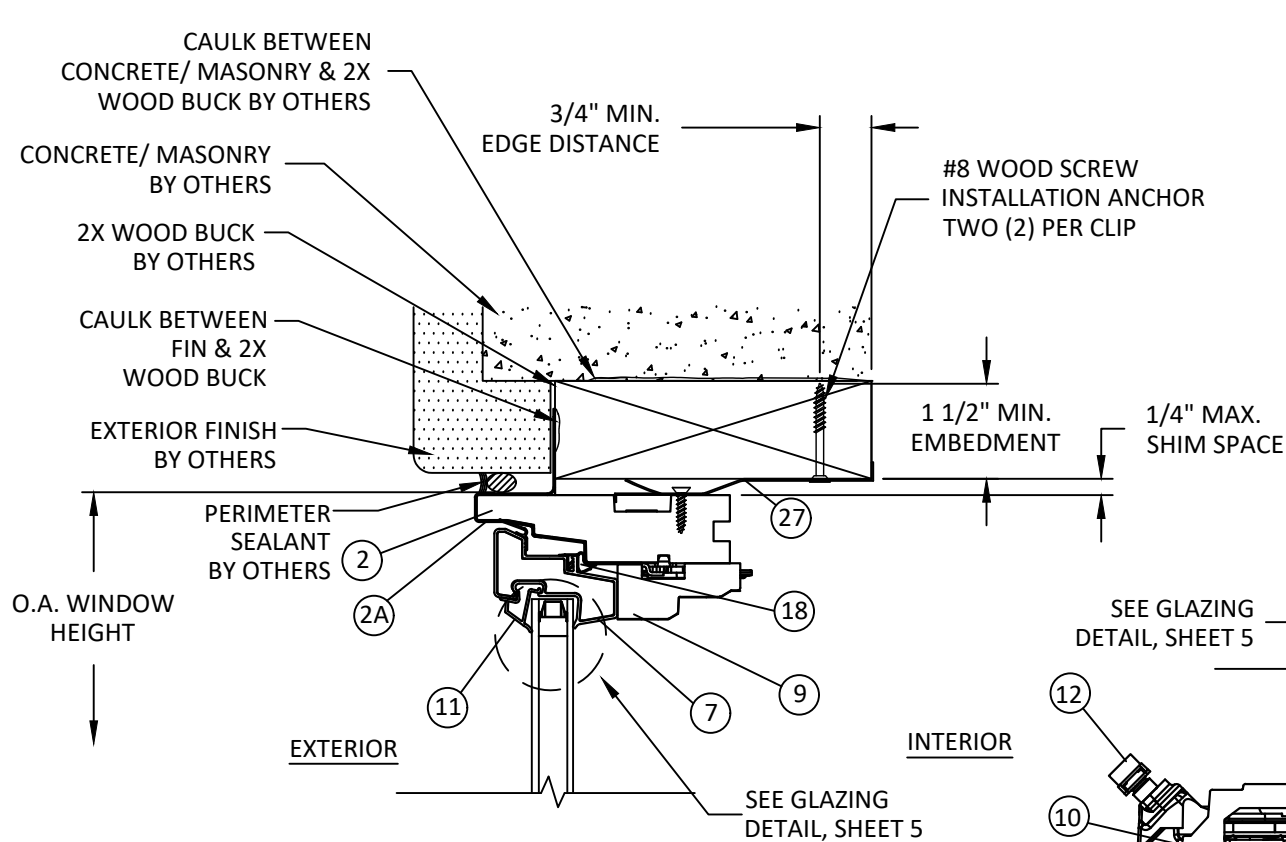
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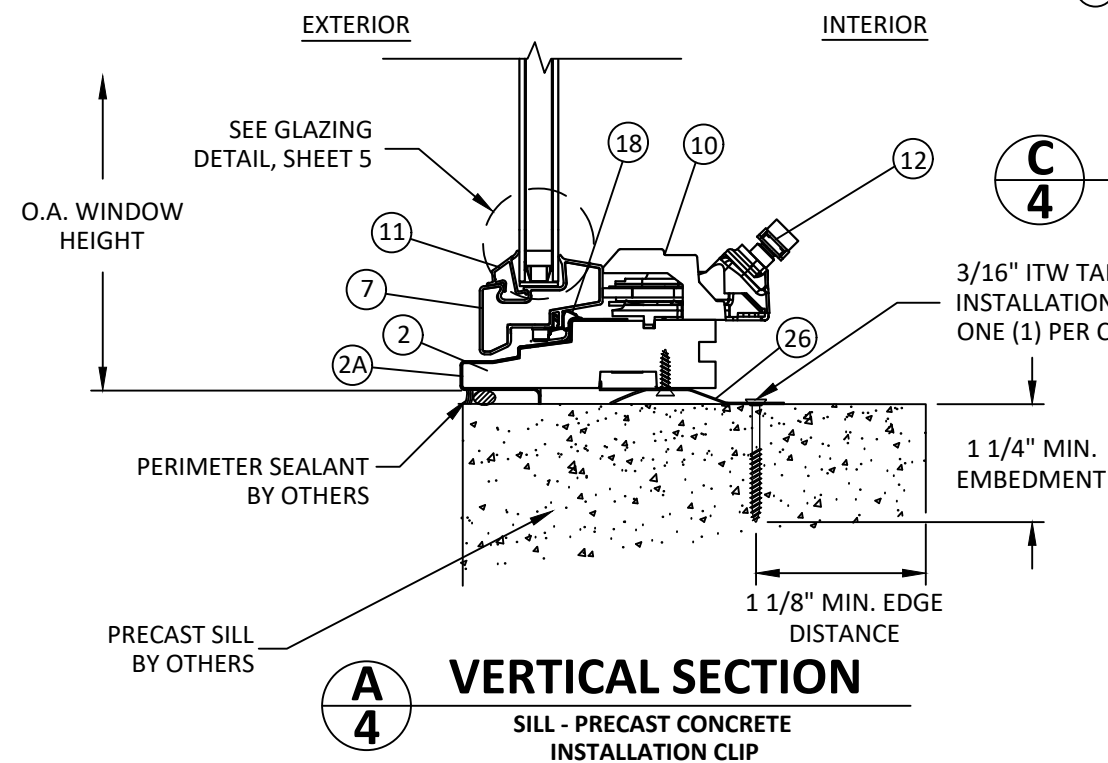
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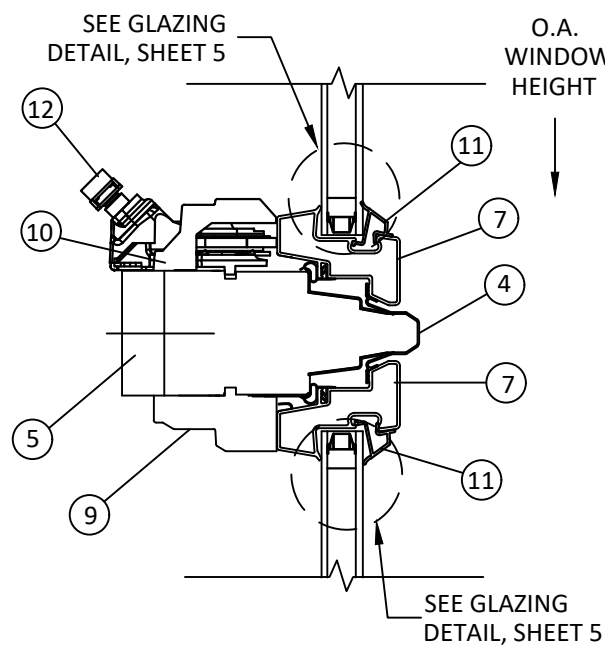
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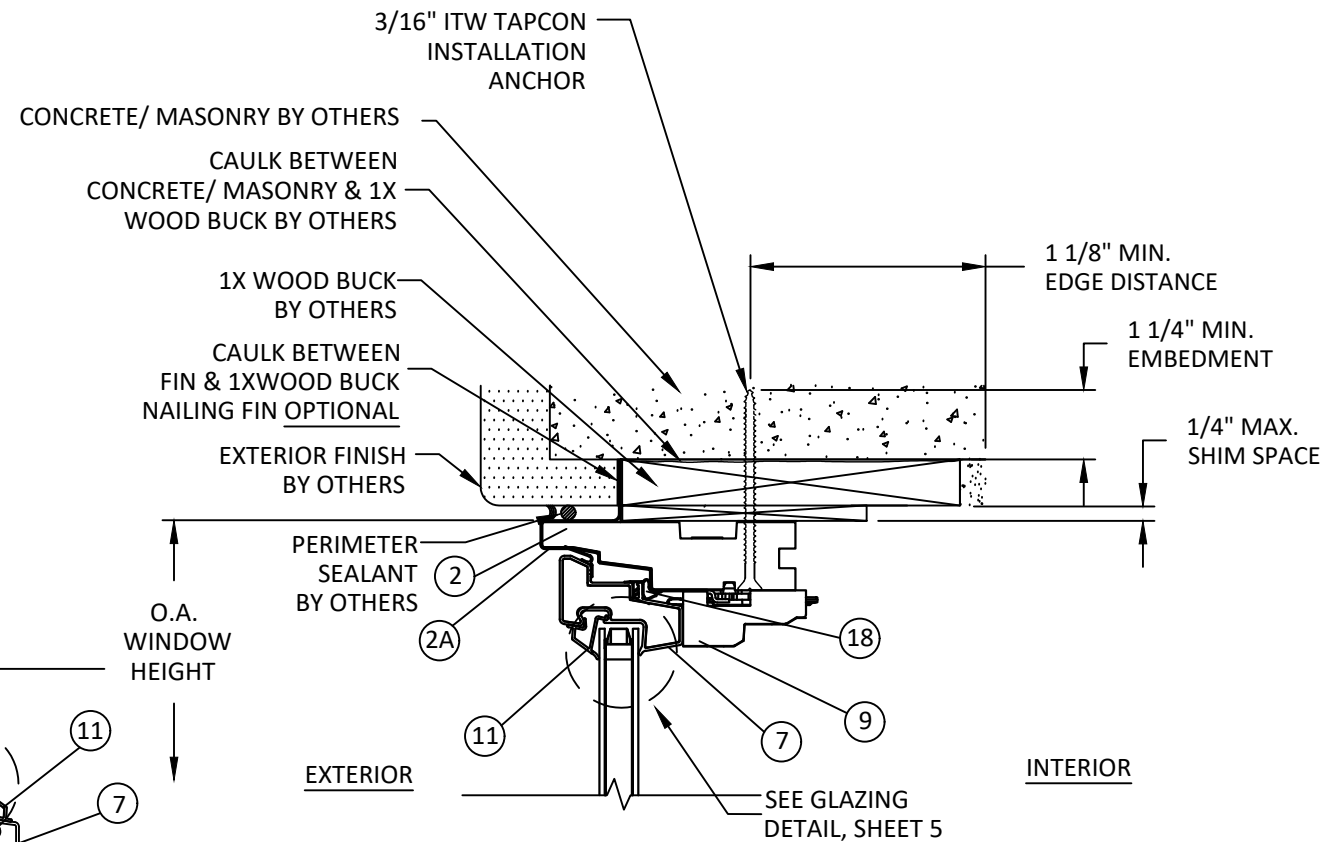
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4
VERTICAL SECTION
HEAD - 2X WOOD FRAME
INSTALLATION CLIP



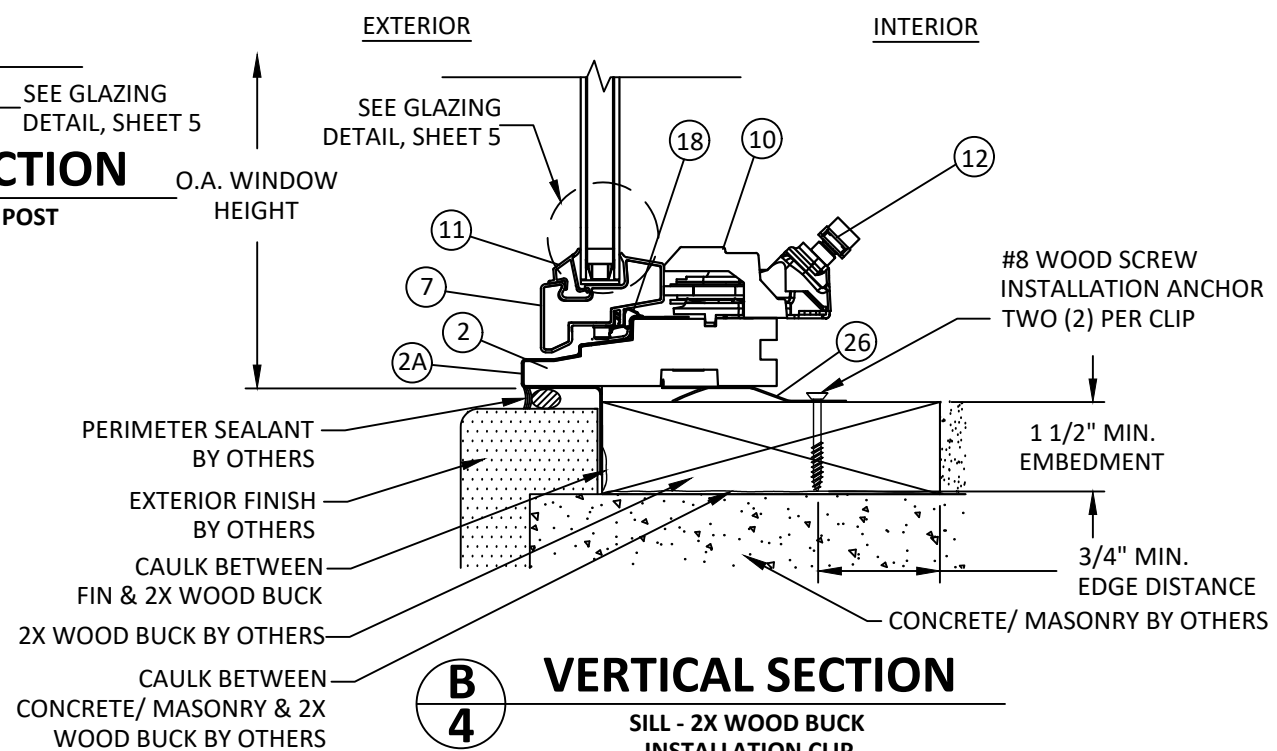
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4
VERTICAL SECTION
SILL - PRECAST CONCRETE
INSTALLATION CLIP



C
4
VERTICAL SECTION
INTEGRAL MULLION POST



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



B
4
VERTICAL SECTION
SILL - 2X WOOD BUCK
INSTALLATION CLIP



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VERTICAL SECTIONS

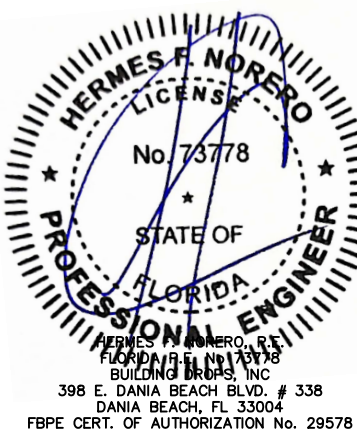
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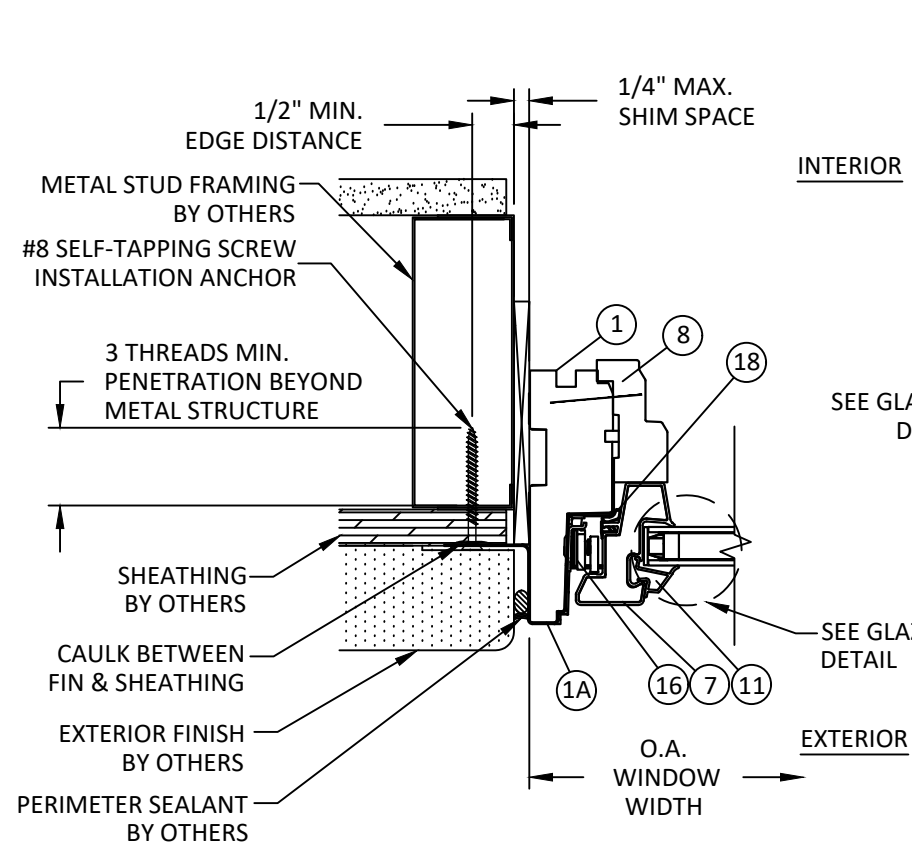
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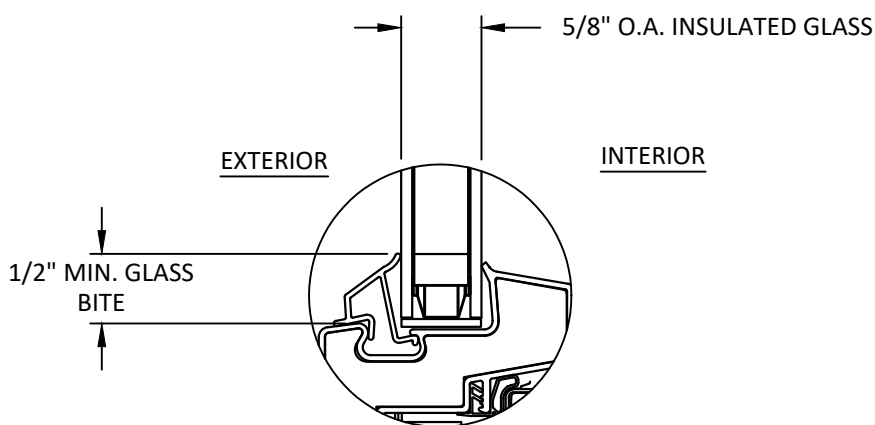
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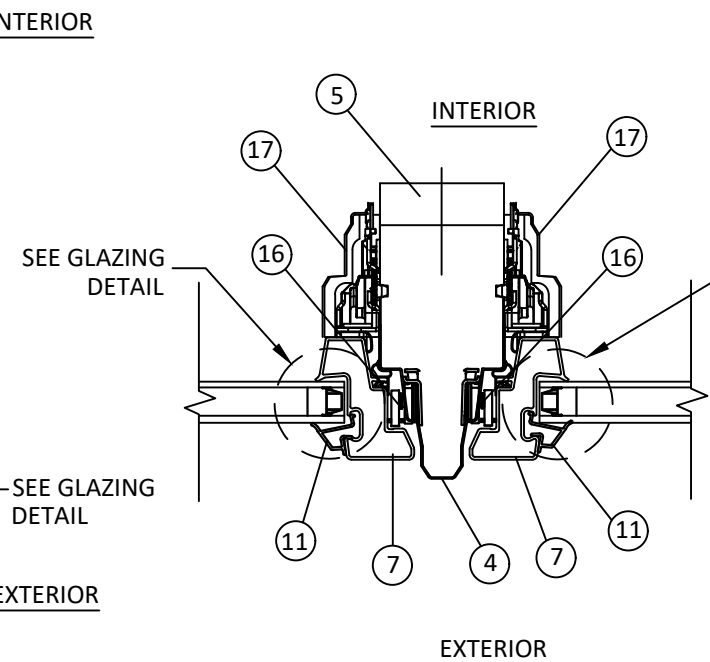


F
5 **HORIZONTAL SECTION**
JAMB - METAL STUD FRAME
NAILING FLANGE

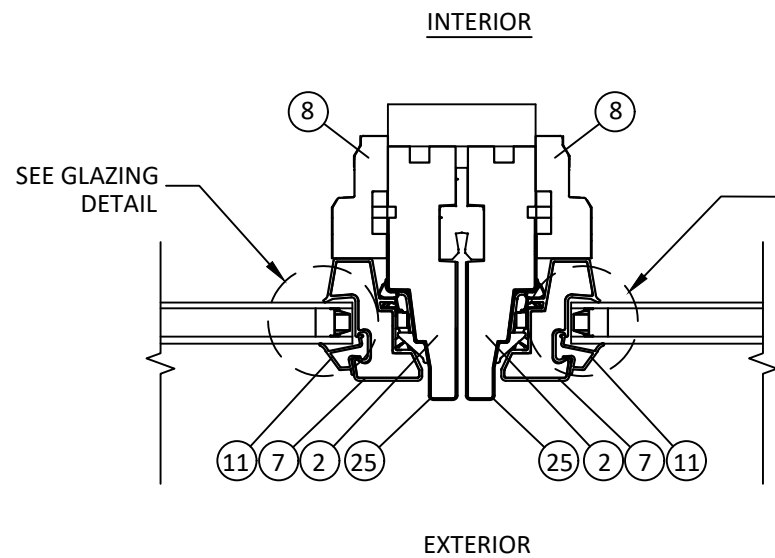


GLAZING DETAIL 1

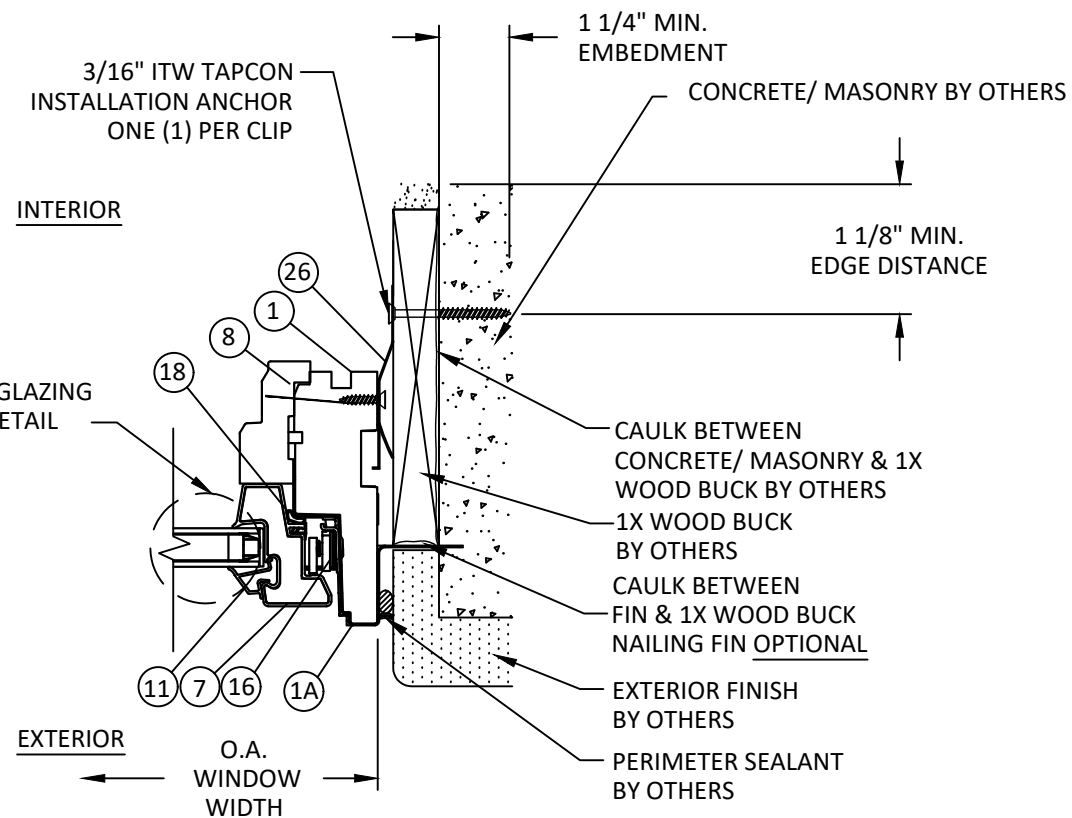
- GLAZING NOTES:
1. GLAZING SHALL COMPLY WITH ASTM E1300 AND FBC SAFETY GLAZING REQUIREMENTS.
 2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN CHAPTER 24.
 3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER CHAPTER 24.
 4. D.L.O. MAY NOT EXCEED MAX DIMENSIONS SHOWN ON ELEVATIONS.



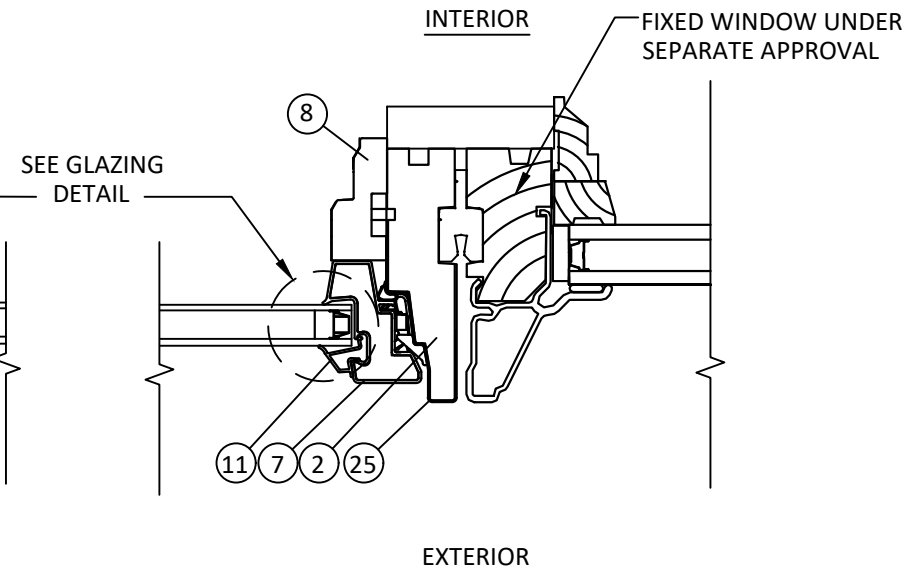
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5 **HORIZONTAL SECTION**
INTEGRAL MULLION POST



I
5 **VERTICAL SECTION**
CASEMENT/AWNING TO CASEMENT/AWNING
NARROW WOOD MULL



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



J
5 **VERTICAL SECTION**
CASEMENT/AWNING TO DIRECT SET FLEXI
NARROW WOOD MULL



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HORIZONTAL SECTIONS
AND GLAZING DETAIL

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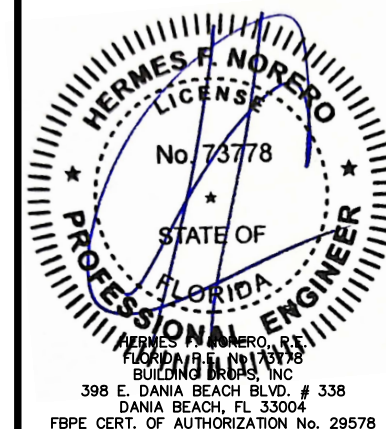
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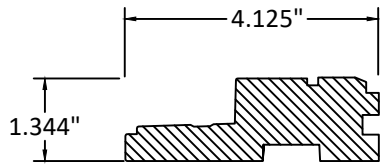
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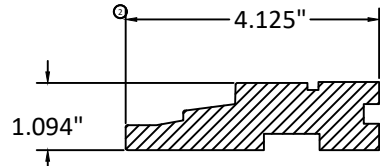
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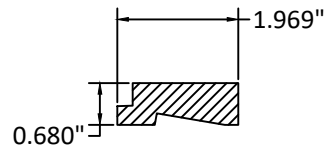
1 FRAME JAMB
WOOD



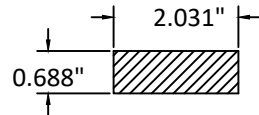
2 FRAME HEAD/SILL
WOOD



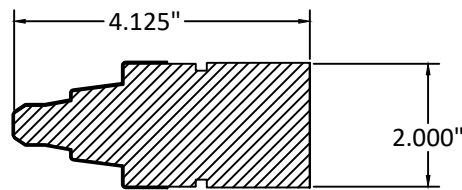
3 EXTENSION JAMB
WOOD



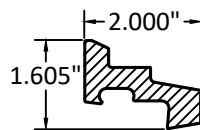
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WOOD



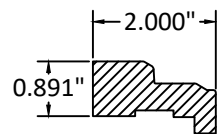
4 MULLION POST
WOOD/PVC



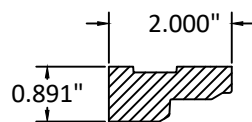
7 SASH RAIL/STILE
WOOD/PVC



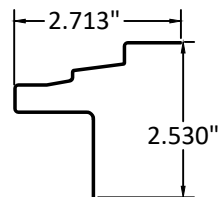
8 TRIM STOP JAMB
WOOD



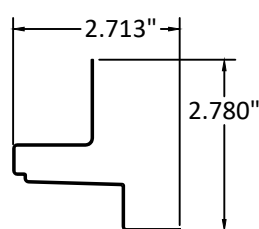
9 TRIM STOP HEAD
WOOD



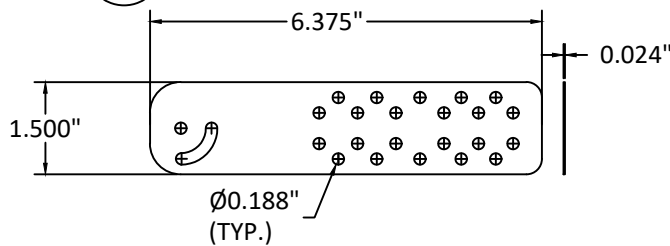
2A FRAME HEAD/SILL VINYL CLADDING
PVC



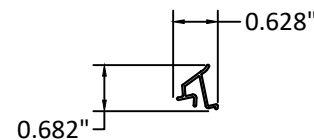
1A FRAME JAMB VINYL CLADDING
PVC



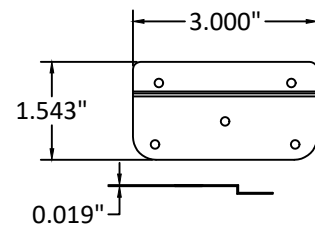
27 INSTALLATION CLIP
304 SS



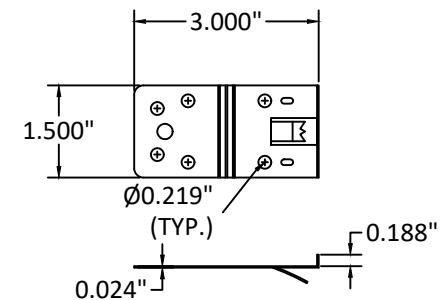
11 GLAZING BEAD
PVC



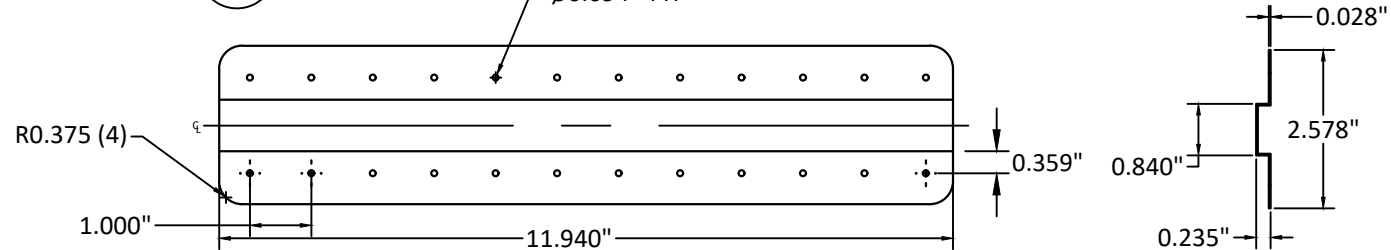
15 STATIONARY SASH CLIP
GALV. STEEL



26 INSTALLATION CLIP
304 SS



27 NARROW WOOD MULL GUSSET PLATE
CR3 STEEL



BILL OF MATERIALS				
NO	DRAWING NUMBER	DESCRIPTION	MATERIAL	MANUFACTURER
1	30835	FRAME JAMB	WOOD	ANDERSEN
2	30838	FRAME HEAD/SILL	WOOD	ANDERSEN
3	30208	EXTENSION JAMB	WOOD	ANDERSEN
4	30839/40163	MULLION POST	WOOD	ANDERSEN
5	30056	MULLION POST CASING	WOOD	ANDERSEN
6	-	-	-	-
7	30016	SASH RAIL/STILE	PVC/WOOD	ANDERSEN
8	40147/48	TRIM STOP JAMB	WOOD	ANDERSEN
9	40145	TRIM STOP HEAD	WOOD	ANDERSEN
10	40146	TRIM STOP SILL	WOOD	ANDERSEN
11	35031	GLAZING BEAD	PVC	-
12	0102409	ROTO OPERATOR	STEEL	TRUTH HARDWARE
13	40151	SNUGGER	-	-
14	#8 X 5/8"	SNUGGER SCREW	-	-
15	30053	STATIONARY SASH CLIP	GALV. STEEL	-
16	30462/3	HINGES	STEEL	TRUTH/AMEROCK CORP.
17	30813/4	LOCK WITH KEEPERS	STEEL	-
18	30213/30214	WEATHER STRIPPING	-	-
19	-	-	-	-
20	-	-	-	-
21	-	-	-	-
22	-	BRAD NAILS 1-1/2" LONG	GALV. STEEL	-
23	30172	FOAM WEATHERSTRIPPING	-	-
24	-	-	-	-
2A	40165/67	FRAME HEAD/SILL VINYL CLADDING	PVC	ANDERSEN
1A	40165/67	FRAME JAMB VINYL CLADDING	PVC	ANDERSEN
26	20165	INSTALLATION CLIP	304 SS	-
27	94577	INSTALLATION CLIP	304 SS	-
28	30065	NARROW WOOD MULL GUSSET PLATE	CR3 STEEL	-

NOTE: ALL WOOD TO BE
PONDEROSA PINE OR EQUAL



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

COMPONENTS AND
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	4.10.15
6TH FBC CODE CHANGE	CL	8.15.17
7TH FBC CODE CHANGE	SR	3.19.20
8TH FBC CODE CHANGE	OL	5.25.23

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DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL #:
FL15727

DATE: **08.15.17**

DWG. BY: **CL** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **AWD134**

SHEET:

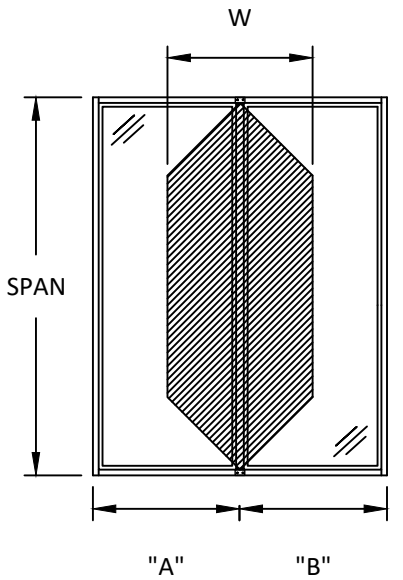
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OF 10

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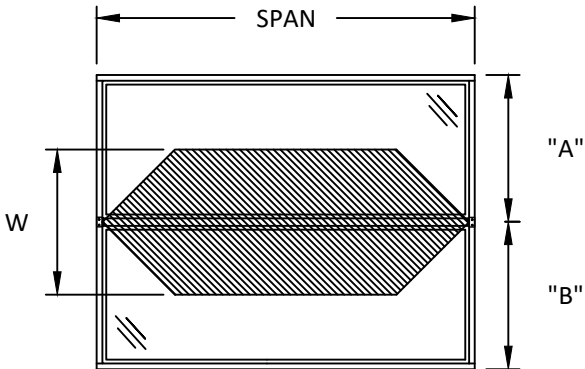
Maximum Design Pressure Capacity Chart (psf)
CS/CS and AW/CS One-Way Narrow Wood Mullion
Design pressures are limited by mullion capacity only.

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	
30.0	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	
42.0	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	
54.0	80.0	80.0	80.0	71.4	66.4	62.6	61.9	61.9	61.9	61.9	61.9	
61.0	80.0	73.9	63.3	53.8	49.3	45.4	43.7	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	
73.0	69.1	50.7	43.0	36.0	32.6	29.3	27.6	26.0	25.4	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	
85.0	50.7	37.0	31.3	25.9	23.3	20.6	19.2	17.8	17.0	16.3	16.0	
90.0	45.1	32.9	27.7	23.0	20.6	18.2	16.9	15.5	14.8	14.1	13.7	
97.0	38.8	28.2	23.8	19.6	17.5	15.4	14.3	13.0	12.4	11.7	11.3	
102.0	35.0	25.5	21.4	17.6	15.8	13.8	12.7	11.6	11.0	10.3	9.9	
109.0	30.6	22.3	18.7	15.4	13.7	12.0	11.0	10.0	9.4	8.8	8.4	
114.0	28.0	20.3	17.0	14.0	12.5	10.9	10.0	9.1	8.5	7.9	7.6	
121.0	24.8	18.0	15.1	12.4	11.0	9.6	8.8	7.9	7.5	6.9	6.6	



ELEVATION A

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



ELEVATION B

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

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, AND/OR AWNING WINDOWS.
- 6) ADJACENT WINDOWS SHALL BE FASTENED TO THE ROUGH OPENING WITH ADDITIONAL ANCHORS IN ACCORDANCE WITH DETAILS K/9 OR L/9, SHEET 9.



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WINDOWS & DOORS

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TITLE:

400 SERIES AWNING WINDOW
(NON-HVHZ)(NON-IMPACT)

ONE-WAY MULL DP TABLES (1)
& ELEVATIONS

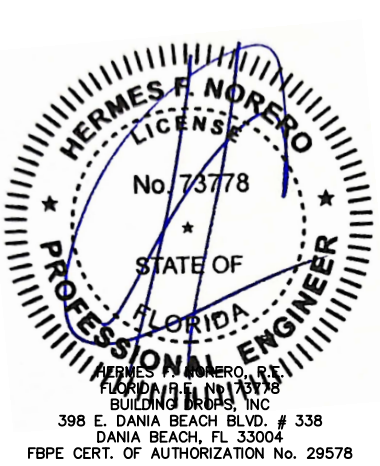
PREPARED BY:

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REMARKS	BY	DATE
5TH FBC CODE CHANGE	SM	4.10.15
6TH FBC CODE CHANGE	CL	8.15.17
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398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL15727

DATE:

08.15.17

DWG. BY:

CL

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

AWD134

SHEET:

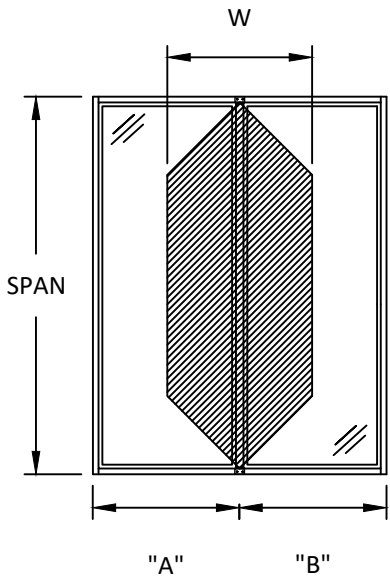
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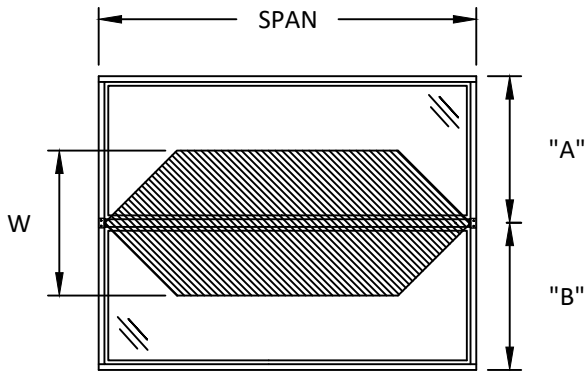
Maximum Design Pressure Capacity Chart (psf)
CS/FW and AW/FX One-Way Narrow Wood Mullion
Design pressures are limited by mullion capacity only.

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
30.0	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
42.0	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
54.0	80.0	66.5	57.4	49.5	46.0	43.4	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
66.0	58.9	43.4	37.0	31.2	28.4	25.8	24.6	23.7	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
78.0	39.5	29.0	24.6	20.6	18.7	16.7	15.8	14.8	14.4	14.3	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
90.0	25.6	18.7	15.8	13.1	11.8	10.5	9.7	9.0	8.6	8.5	8.3
97.0	20.4	14.9	12.5	10.4	9.3	8.2	7.6	7.0	6.7	6.5	6.3
102.0	18.0	13.1	11.1	9.1	8.2	7.2	6.7	6.1	5.8	5.4	5.3
109.0	14.7	10.7	9.0	7.4	6.6	5.8	5.4	4.9	4.6	4.3	4.2
114.0	12.9	9.4	7.9	6.5	5.8	5.0	4.7	4.2	4.0	3.7	3.6
121.0	10.8	7.8	6.6	5.4	4.8	4.2	3.9	3.5	3.3	3.1	2.9

- 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 WITH ADDITIONAL ANCHORS IN ACCORDANCE WITH DETAILS K/9 OR L/9, SHEET 9.



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



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



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

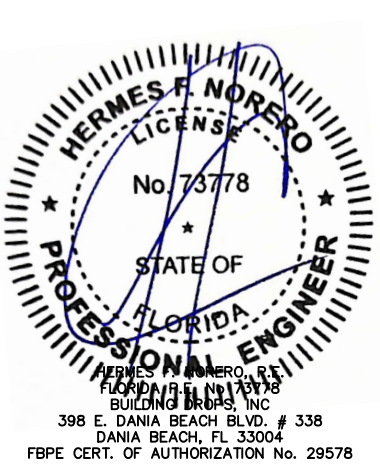
ONE-WAY MULL DP TABLES (2)
& ELEVATIONS

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REMARKS	BY	DATE
5TH FBC CODE CHANGE	SM	4.10.15
6TH FBC CODE CHANGE	CL	8.15.17
7TH FBC CODE CHANGE	SR	3.19.20
8TH FBC CODE CHANGE	OL	5.25.23

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398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL15727

DATE: **08.15.17**

DWG. BY: **CL**CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **AWD134**

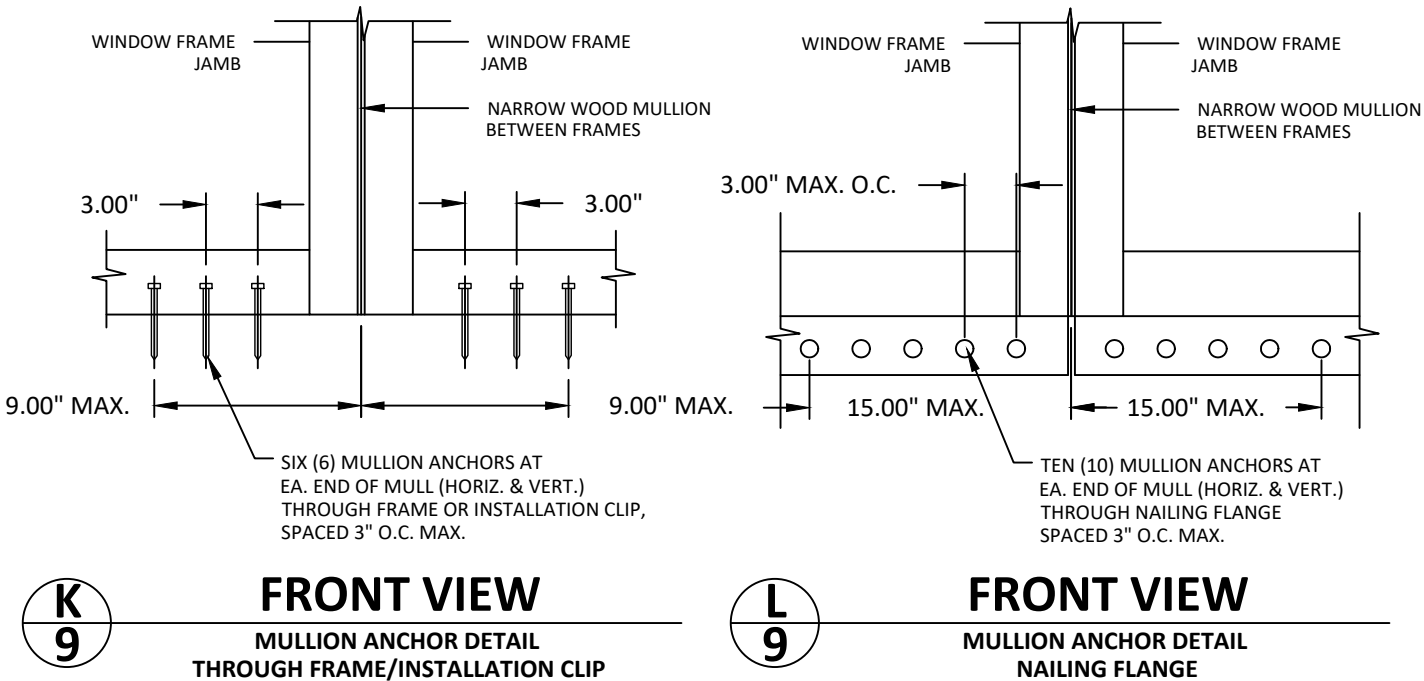
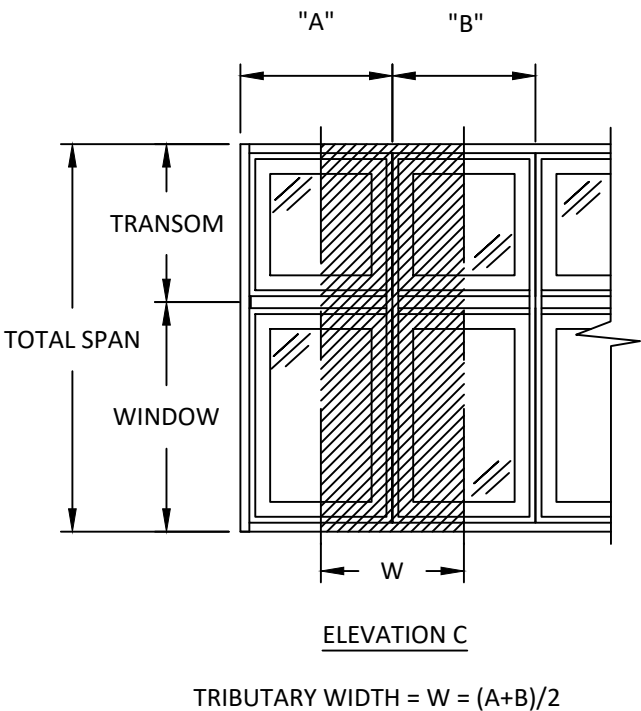
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Maximum design pressure capacity chart (psf)
CS/CS and AW/CS Two-Way Narrow Wood Mullion
Design pressures are limited by mullion capacity only.

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
30.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
36.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	75.9	68.6	64.2
42.0	80.0	80.0	80.0	80.0	80.0	75.1	68.2	60.3	55.8	50.4	47.2
48.0	80.0	80.0	80.0	76.2	67.1	57.5	52.2	46.2	42.7	38.6	36.1
54.0	80.0	80.0	74.2	60.2	53.0	45.4	41.2	36.5	33.7	30.5	28.5
60.0	80.0	72.1	60.1	48.7	42.9	36.8	33.4	29.6	27.3	24.7	23.1
66.0	80.0	59.6	49.7	40.3	35.5	30.4	27.6	24.4	22.6	20.4	19.1
72.0	69.6	50.1	41.8	33.9	29.8	25.6	23.2	20.5	19.0	17.2	16.1
78.0	59.3	42.7	35.6	28.8	25.4	21.8	19.8	17.5	16.2	14.6	13.7
84.0	51.1	36.8	30.7	24.9	21.9	18.8	17.0	15.1	13.9	12.6	11.8
90.0	44.5	32.1	26.7	21.7	19.1	16.4	14.8	13.1	12.1	11.0	10.3
96.0	39.1	28.2	23.5	19.0	16.8	14.4	13.0	11.6	10.7	9.7	9.0
102.0	34.7	25.0	20.8	16.9	14.9	12.7	11.6	10.2	9.5	8.5	8.0
108.0	30.9	22.3	18.6	15.0	13.3	11.4	10.3	9.1	8.4	7.6	7.1
114.0	27.8	20.0	16.7	13.5	11.9	10.2	9.3	8.2	7.6	6.8	6.4
120.0	25.1	18.0	15.0	12.2	10.7	9.2	8.4	7.4	6.8	6.2	5.8

- NOTE:
- 1) MULLION CHART APPLIES TO NARROW WOOD MULLION ASSEMBLIES, SEE DETAIL I/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.
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 - 6) ADJACENT WINDOWS SHALL BE FASTENED TO THE ROUGH OPENING IN ACCORDANCE WITH DETAILS K/9 OR L/9, SHEET 9.





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TITLE:
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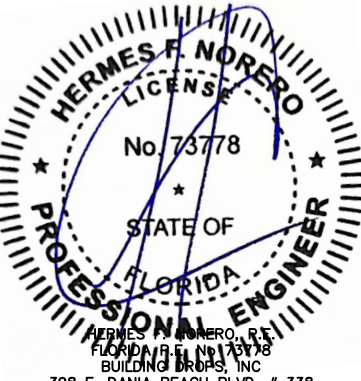
TWO-WAY MULL DP TABLES (1),
ELEVATIONS & MULL ANCHOR DETAILS

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
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REMARKS	BY	DATE
5TH FBC CODE CHANGE	SM	4.10.15
6TH FBC CODE CHANGE	CL	8.15.17
7TH FBC CODE CHANGE	SR	3.19.20
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DATE: **08.15.17**

DWG. BY: CL	CHK. BY: HFN
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SCALE: **NTS**

DWG. #: **AWD134**

SHEET:

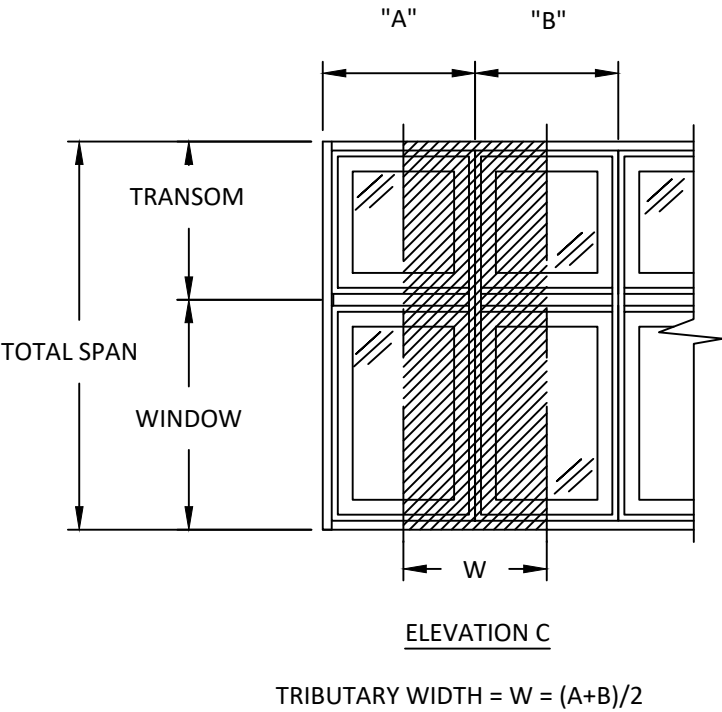
9

OF 10

Maximum Design Pressure Capacity Chart (psf)
CS/FW and AW/FX Two-Way Narrow Wood Mullion
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	18.0	25.0	30.0	37.0	42.0	49.0	54.0	61.0	66.0	73.0	78.0
30.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	75.8	68.5	64.1
36.0	80.0	80.0	80.0	80.0	80.0	70.9	64.3	56.9	52.6	47.6	44.5
42.0	80.0	80.0	80.0	69.0	60.8	52.1	47.3	41.8	38.7	35.0	32.7
48.0	80.0	78.2	65.1	52.8	46.5	39.9	36.2	32.0	29.6	26.8	25.0
54.0	80.0	61.8	51.5	41.7	36.8	31.5	28.6	25.3	23.4	21.1	19.8
60.0	69.5	50.0	41.7	33.8	29.8	25.5	23.2	20.5	18.9	17.1	16.0
66.0	57.4	41.3	34.4	27.9	24.6	21.1	19.1	16.9	15.7	14.2	13.2
72.0	48.2	34.7	28.9	23.5	20.7	17.7	16.1	14.2	13.2	11.9	11.1
78.0	41.1	29.6	24.7	20.0	17.6	15.1	13.7	12.1	11.2	10.1	9.5
84.0	33.3	24.4	20.6	17.0	15.2	13.0	11.8	10.5	9.7	8.7	8.2
90.0	27.0	19.7	16.6	13.7	12.2	10.7	9.8	8.7	8.1	7.4	7.0
96.0	22.2	16.2	13.7	11.2	10.0	8.7	8.0	7.2	6.7	6.1	5.7
102.0	18.4	13.5	11.3	9.3	8.3	7.2	6.6	5.9	5.5	5.0	4.7
108.0	15.5	11.3	9.5	7.8	7.0	6.1	5.5	5.0	4.6	4.2	4.0
114.0	13.2	9.6	8.1	6.6	5.9	5.1	4.7	4.2	3.9	3.6	3.4
120.0	11.3	8.2	6.9	5.7	5.0	4.4	4.0	3.6	3.3	3.1	2.9

- NOTE:
- MULLION CHART APPLIES TO NARROW WOOD MULLION ASSEMBLIES, SEE DETAIL J/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 DIRECT SET FLEXIFRAME WINDOWS, AWNING WINDOWS AND/OR CASEMENT WINDOWS.
 - ADJACENT WINDOWS SHALL BE FASTENED TO THE ROUGH OPENING WITH ADDITIONAL ANCHORS IN ACCORDANCE WITH DETAILS K/9 OR L/9, SHEET 9.





ANDERSEN
WINDOWS & DOORS

100 FOURTH AVE NORTH
BAYPORT, MN 55003
PH: (651) 264-5308 FX: (651) 264-5074

TITLE:

400 SERIES AWNING WINDOW
(NON-HVHZ)(NON-IMPACT)

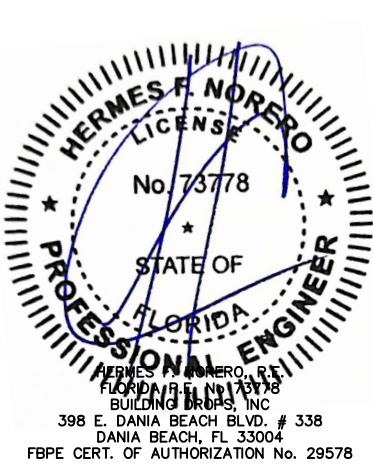
TWO-WAY MULL DP TABLES (2)
& ELEVATIONS

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

REMARKS	BY	DATE
5TH FBC CODE CHANGE	SM	4.10.15
6TH FBC CODE CHANGE	CL	8.15.17
7TH FBC CODE CHANGE	SR	3.19.20
8TH FBC CODE CHANGE	OL	5.25.23

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.



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

FL #:

FL15727

DATE:

08.15.17

DWG. BY:

CL

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

AWD134

SHEET:

10