

ANDERSEN CORPORATION

200 SERIES TILT WASH DOUBLE HUNG WINDOW (NON-HVHZ)(NON-IMPACT)

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR CLIP 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 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.
5. **INSTALLATION CLIP:** FOR INSTALLATION INTO 2X BUCK USE TWO (2) #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.
6. **INSTALLATION CLIP:** FOR INSTALLATION THROUGH METAL STUD USE TWO (2) #8 SELF-DRILLING SCREWS OR ONE (1) #10 SELF-DRILLING SCREW PER INSTALLATION CLIP OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND METAL FRAME SUBSTRATE.
7. **NAILING FIN:** FOR INSTALLATION THROUGH METAL STUD USE #8 SELF-DRILLING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND METAL FRAME SUBSTRATE.
8. **NAILING FIN:** FOR INSTALLATION INTO 2X BUCK USE #8 WOOD SCREWS OR 8D COMMON NAIL OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
9. **THROUGH FRAME:** FOR INSTALLATION INTO 2X BUCK USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
10. **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.MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- 12.INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- 13.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.
- 14.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.
- 15.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.

E. ALUMINUM - MINIMUM WALL THICKNESS OF 1/8". 6063-T5 ALLOY OR BETTER.

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), **EXCLUDING HVHZ** AND HAS BEEN EVALUATED 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. SG = 0.40)
7. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 4 FOR GLAZING DETAIL.
8. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:

X: OPERABLE PANEL

O: FIXED PANEL

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL & INSTALLATION NOTES
2	ELEVATION & ANCHOR LAYOUTS
3	VERTICAL SECTIONS
4	HORIZONTAL SECTIONS & GLAZING DETAIL
5	COMPONENTS & BILL OF MATERIALS
6	ONE-WAY & TWO-WAY WOOD MULL ELEVATIONS & DETAILS
7	ONE-WAY & TWO-WAY STEEL MULL DP TABLE, ELEVATIONS, & MULL DETAILS

DESIGN PRESSURE RATING		
SIZE	DESIGN PRESSURE	MISSILE IMPACT RATING
39½" x 71½"	+30.0 / -35.0 PSF	NON-IMPACT



100 FOURTH AVE NORTH
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TITLE: 200 SERIES TILT WASH
DOUBLE HUNG WINDOW
(NON-HVHZ)(NON-IMPACT)
GENERAL & INSTALLATION NOTES

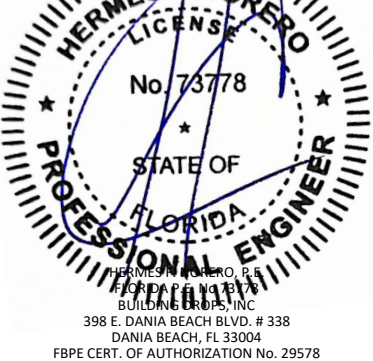
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BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
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REMARKS	BY	DATE
5TH FBC CODE CHANGE	SM	4.14.15
6TH FBC CODE CHANGE	LS	6.16.17
7TH FBC CODE CHANGE	SR	3.20.20
8TH FBC CODE CHANGE	OL	6.01.23

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.10.18 14:43:04 -0400



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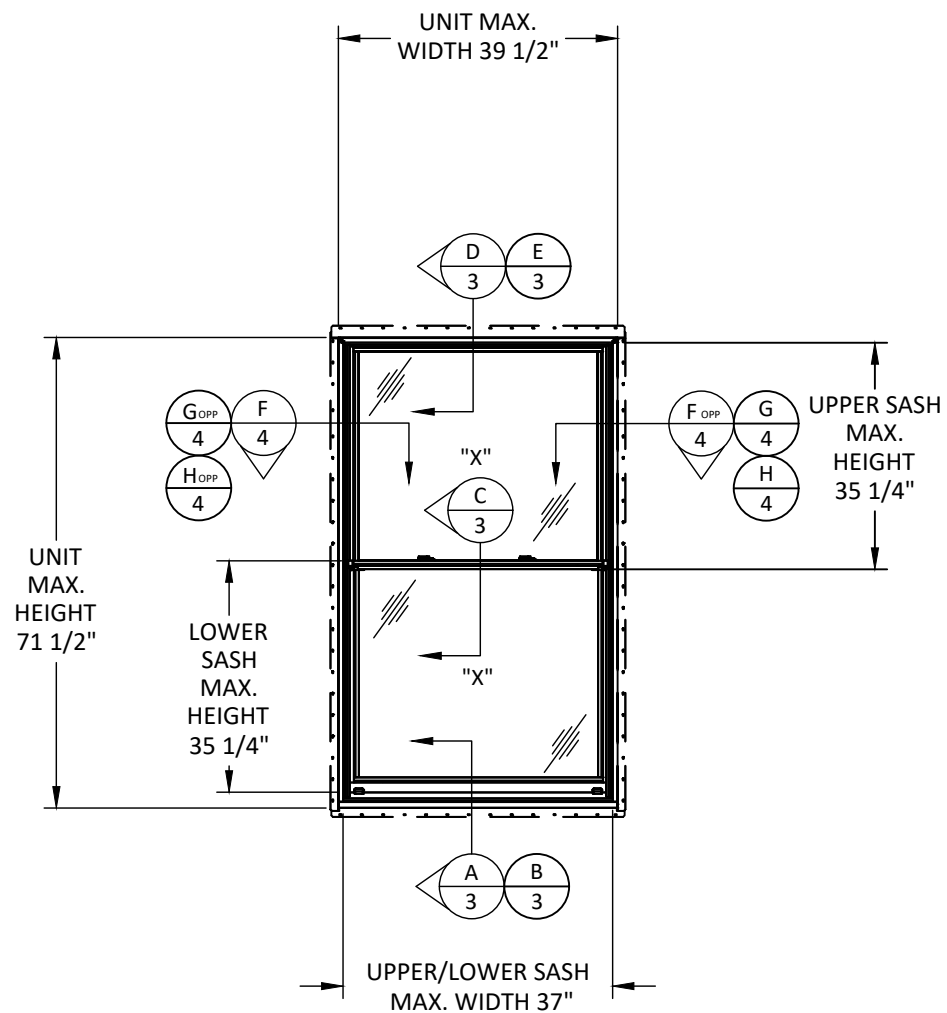
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SCALE:
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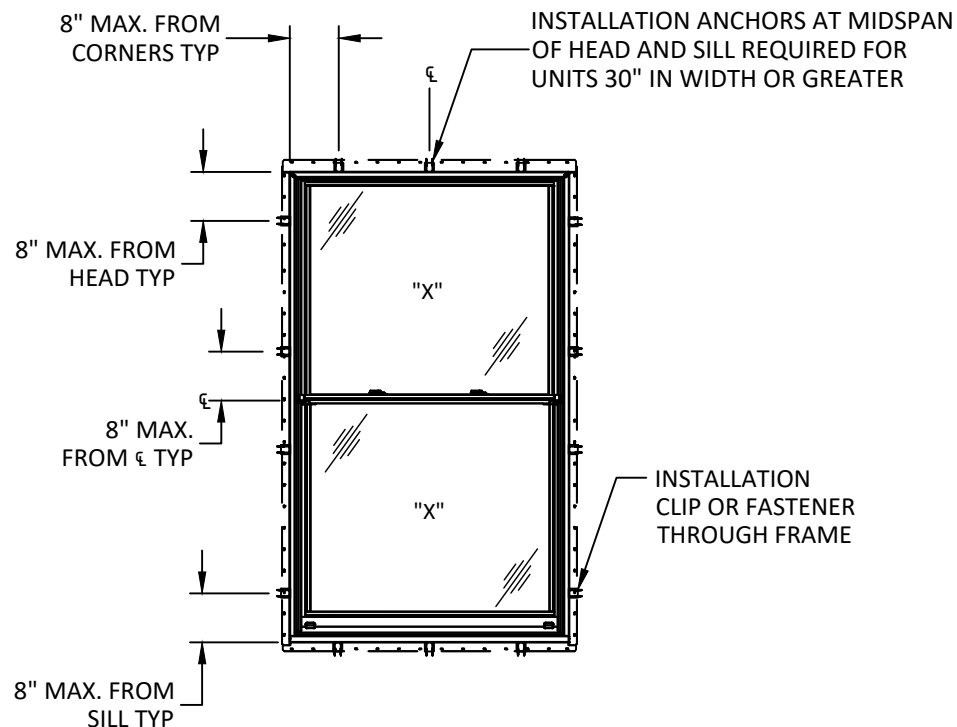
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AWD053

SHEET:
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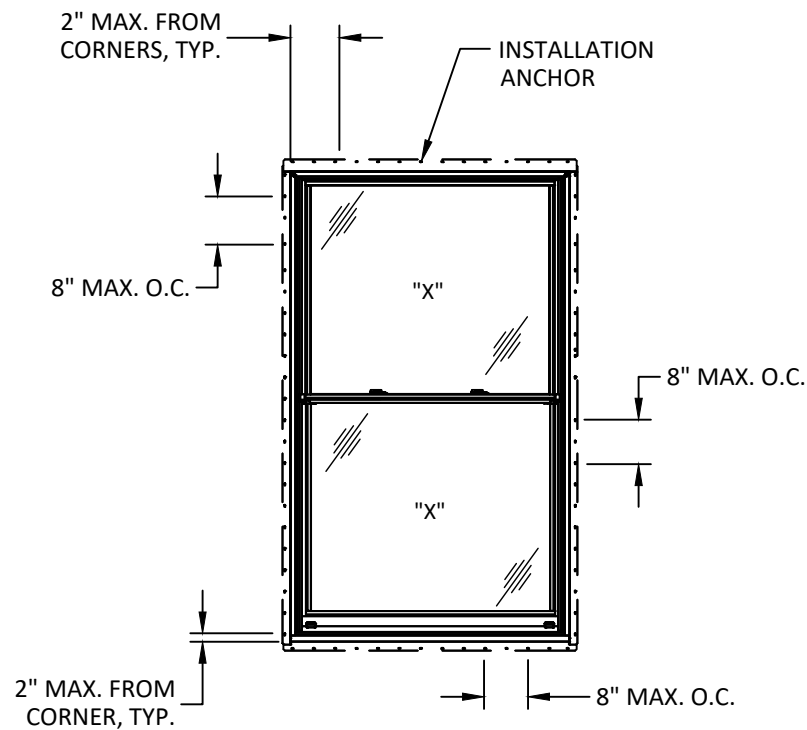


ELEVATION



ANCHOR LAYOUT

INSTALLATION CLIP/THROUGH FRAME



ANCHOR LAYOUT

NAILING FIN



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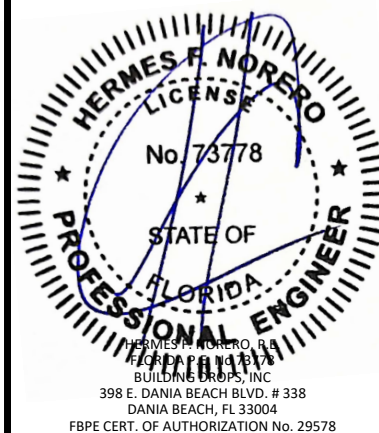
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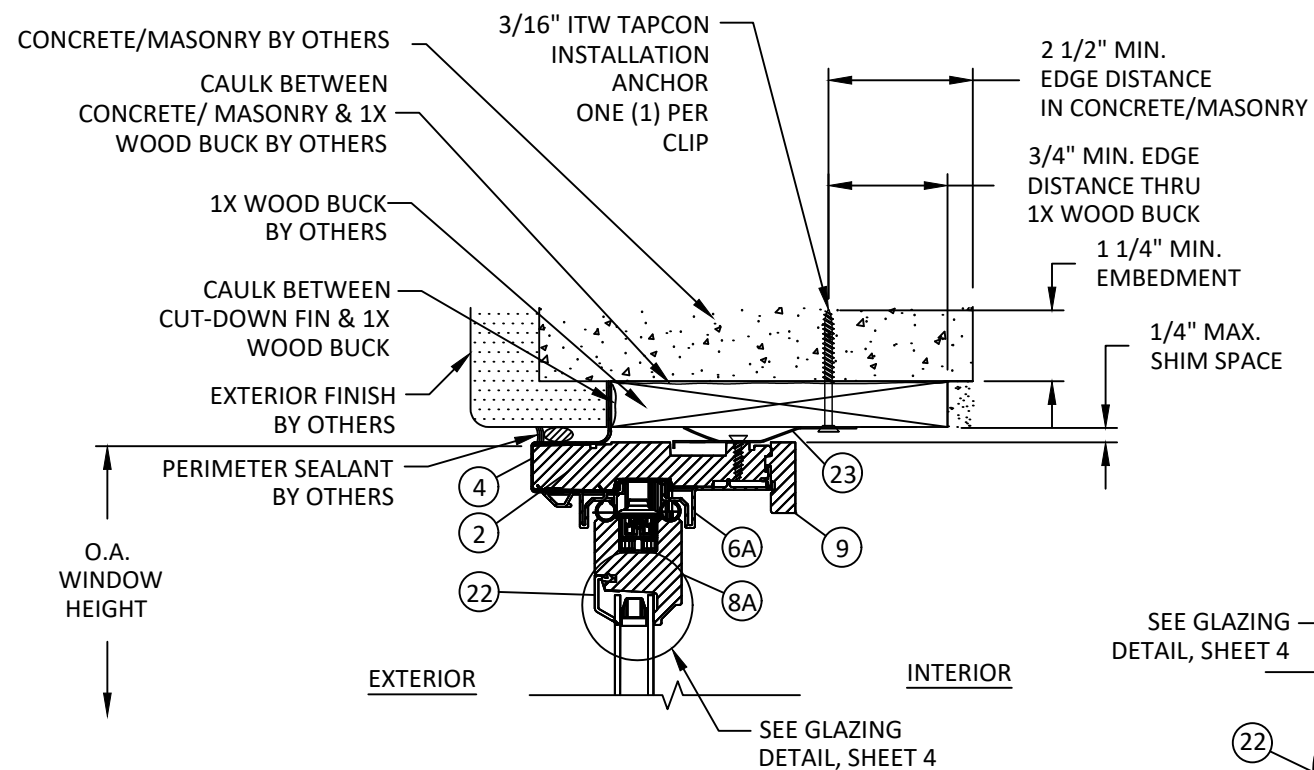
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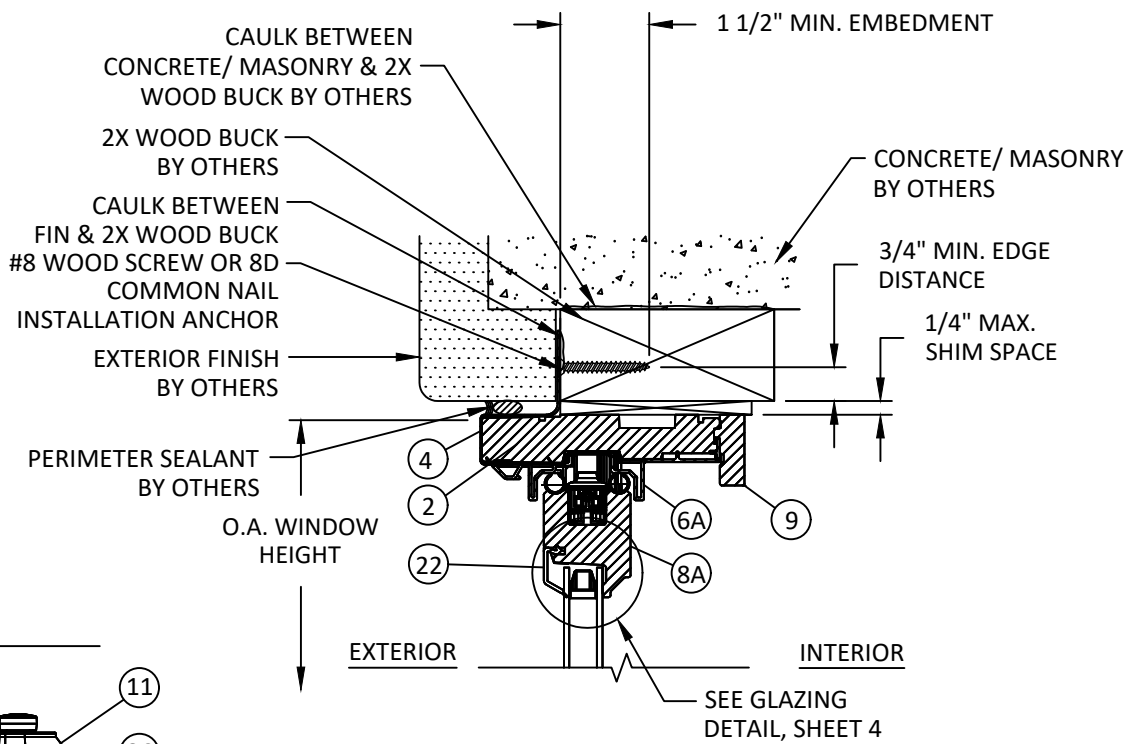
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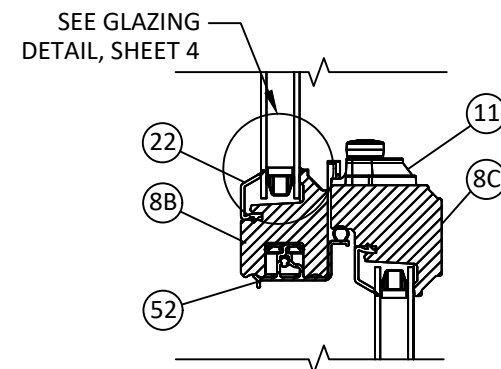
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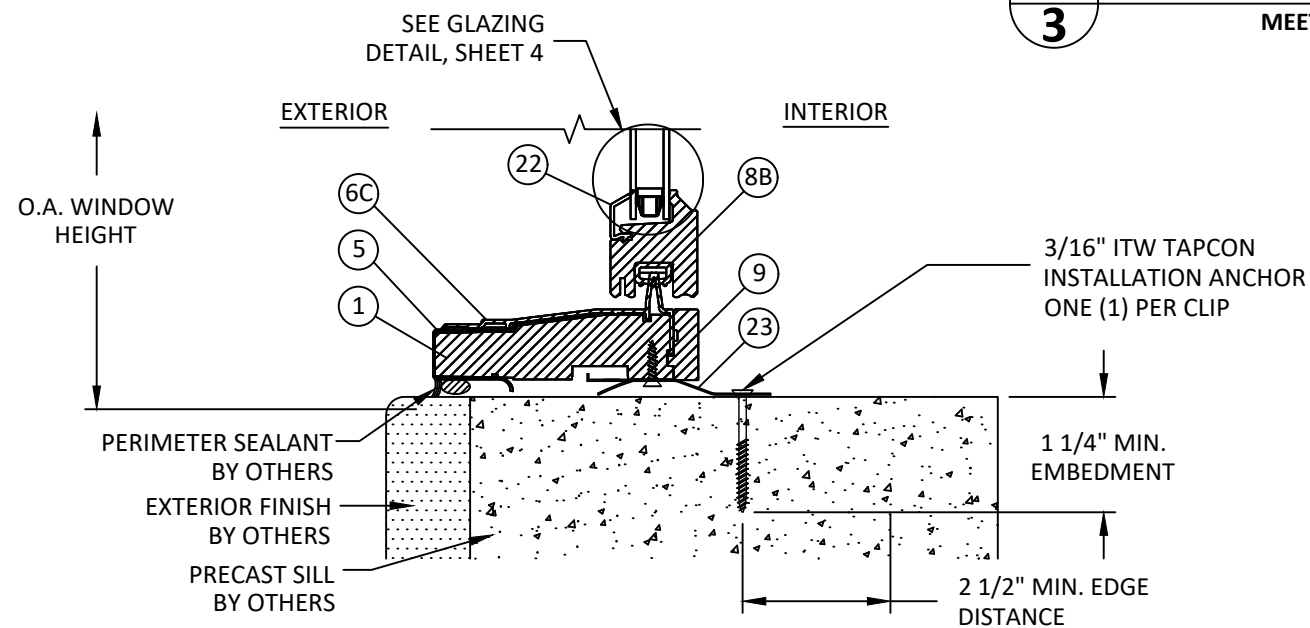
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3 **VERTICAL SECTION**
HEAD - 1X WOOD/CONCRETE/MASONRY
INSTALLATION CLIP



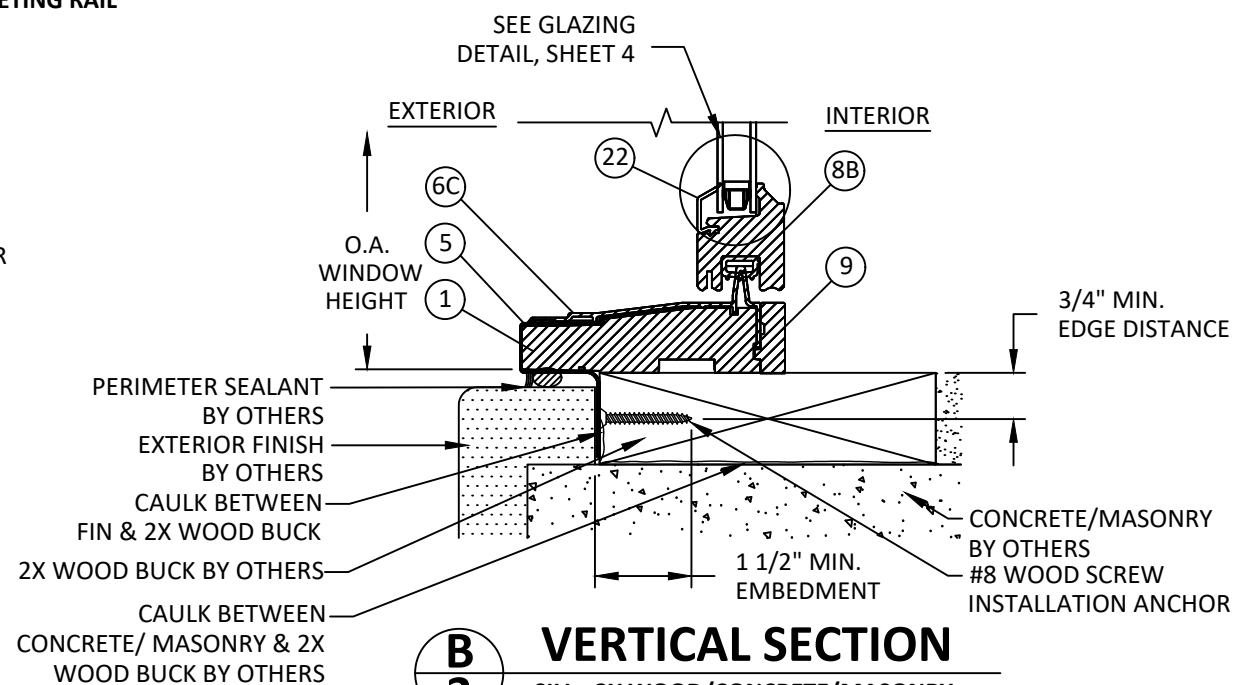
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3 **VERTICAL SECTION**
HEAD - 2X WOOD/CONCRETE/MASONRY
NAILING FIN



C
3 **VERTICAL SECTION**
MEETING RAIL



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



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



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VERTICAL SECTIONS

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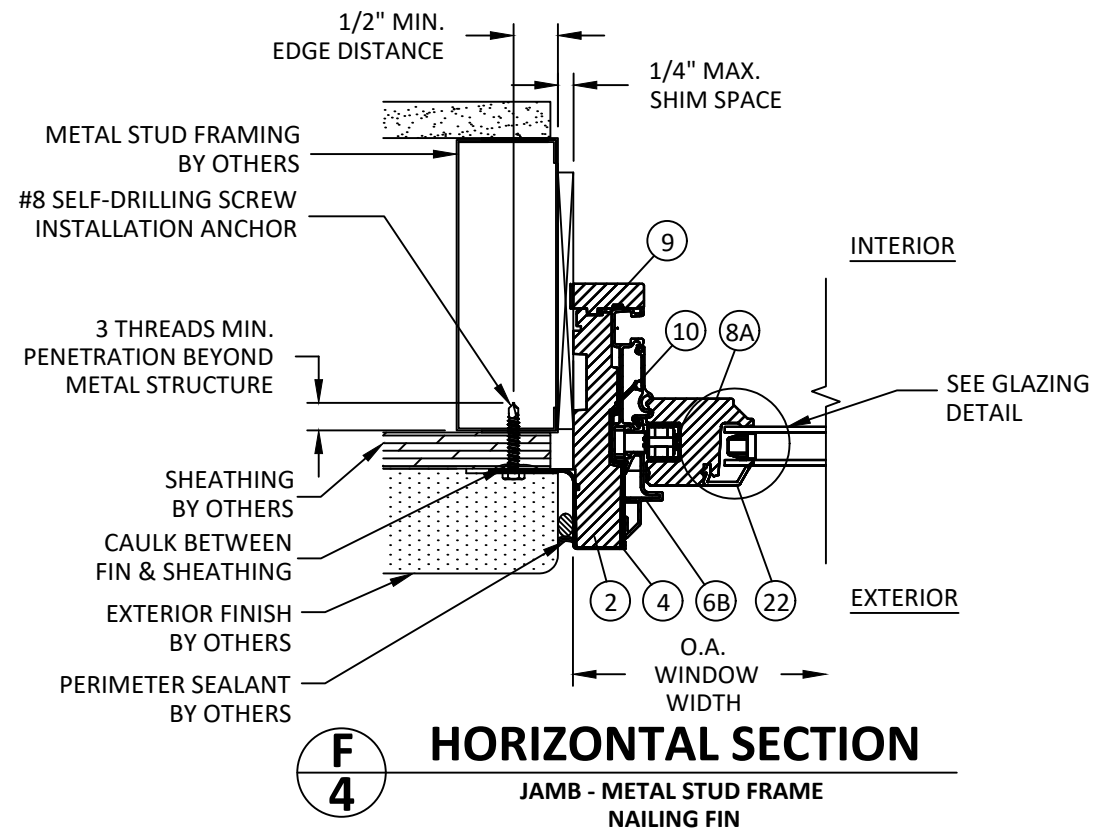
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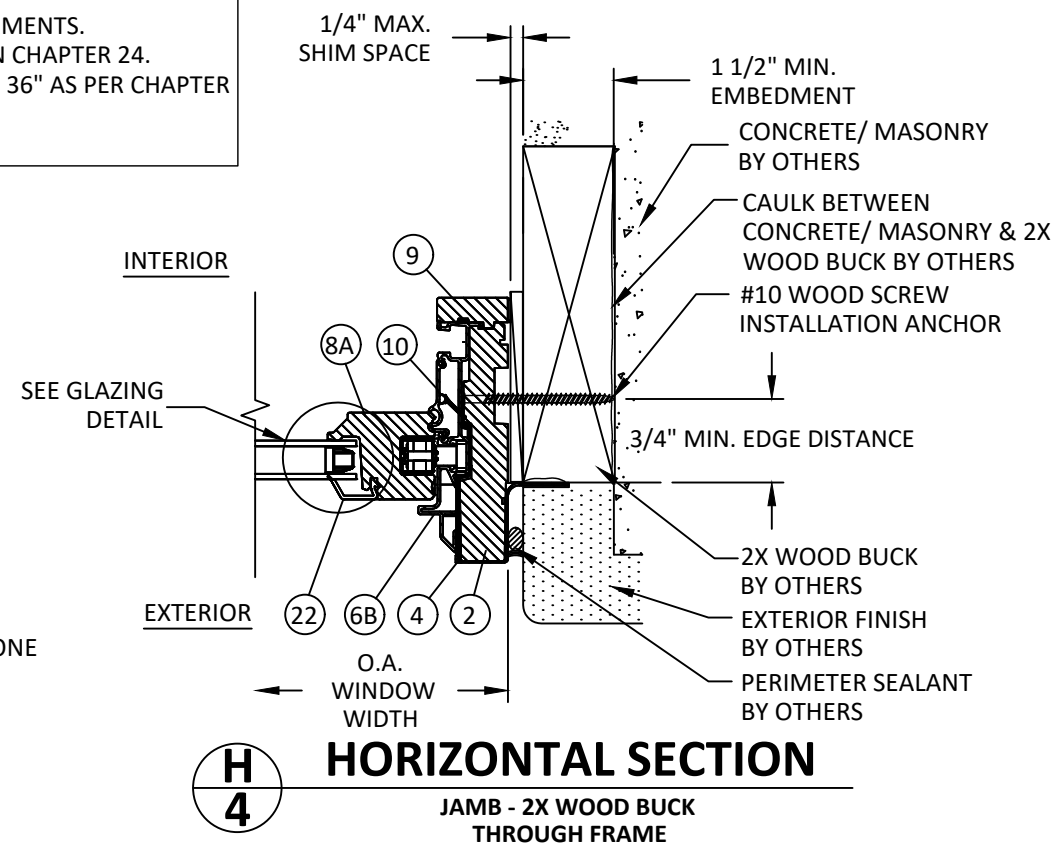
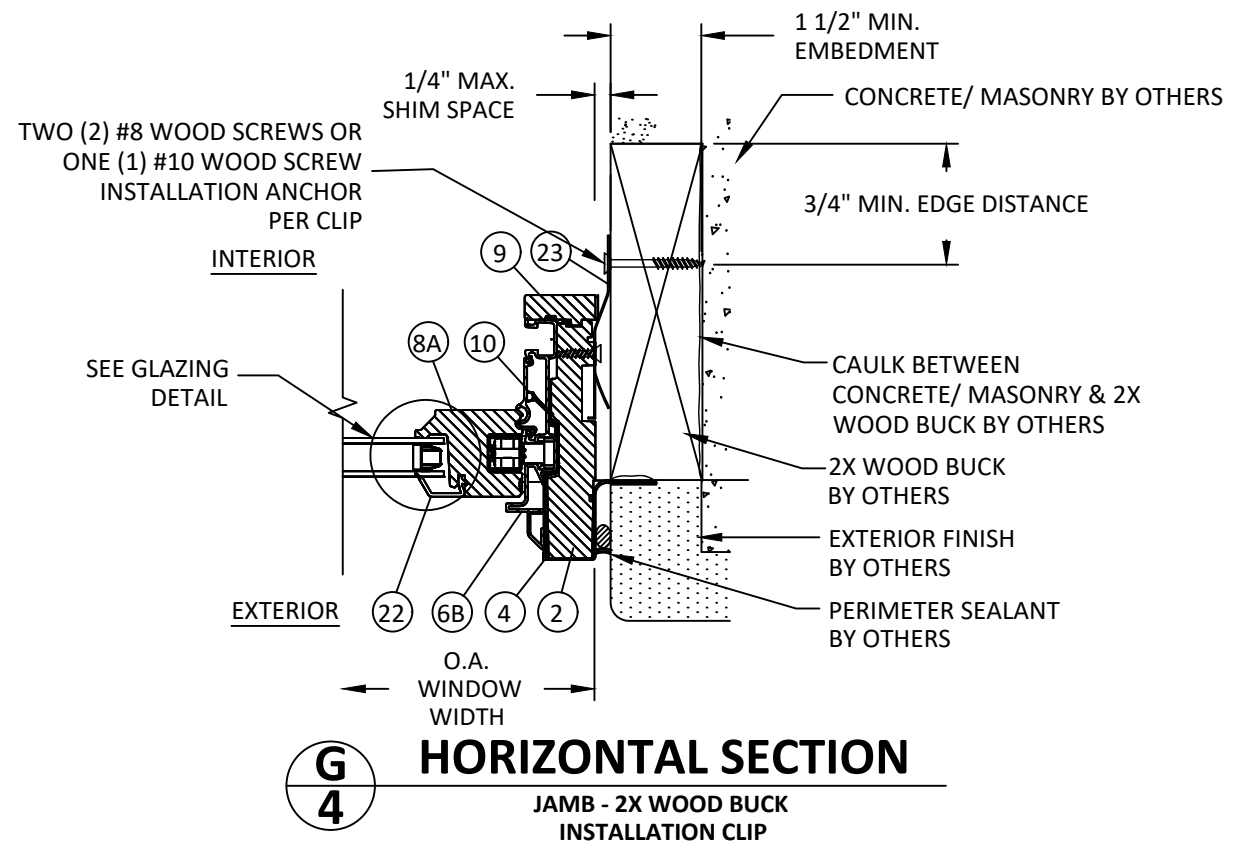
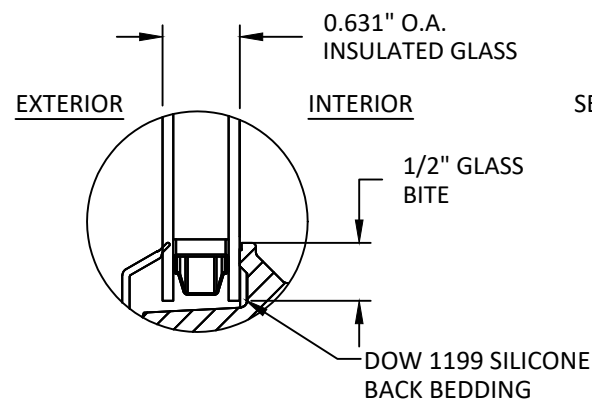
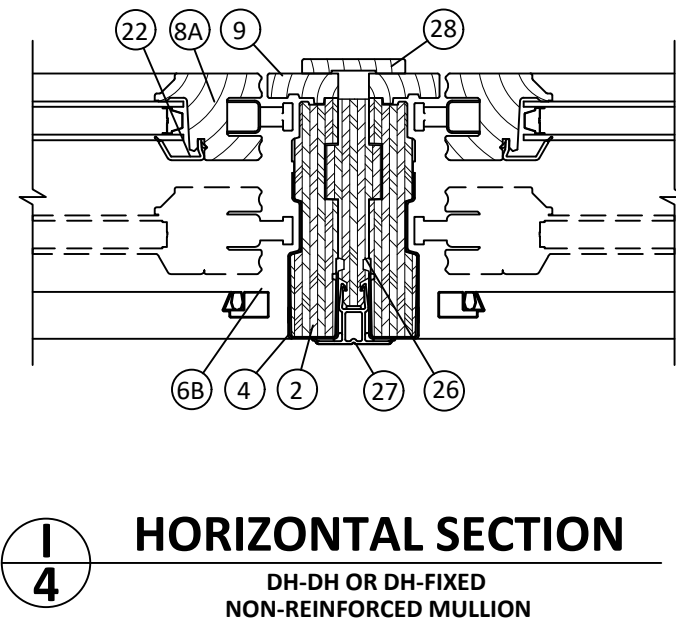
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- GLAZING NOTES:
1. GLAZING SHALL COMPLY WITH ASTM E1300 AND FBC SAFETY GLAZING REQUIREMENTS.
 2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN CHAPTER 24.
 3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN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



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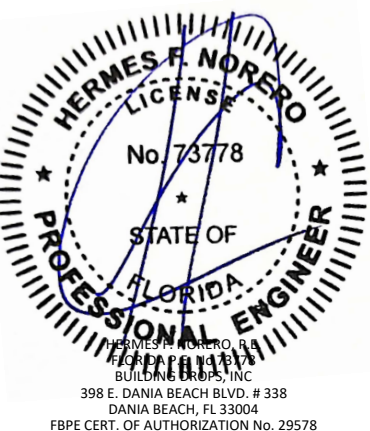
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DOUBLE HUNG WINDOW
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HORIZONTAL SECTIONS
& GLAZING DETAIL

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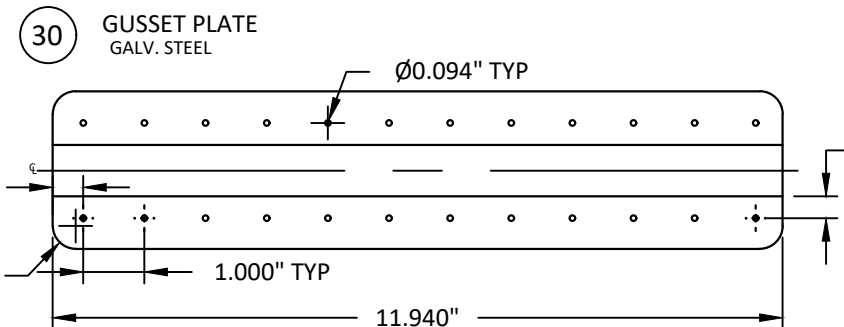
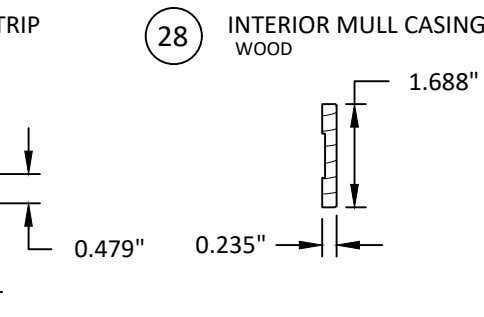
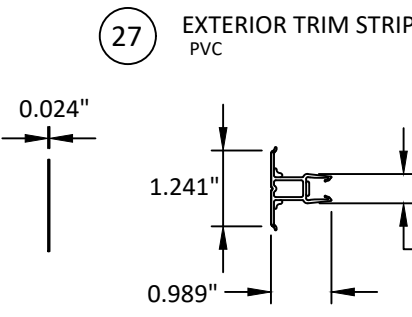
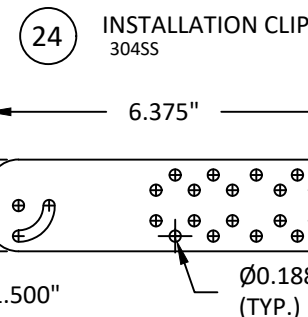
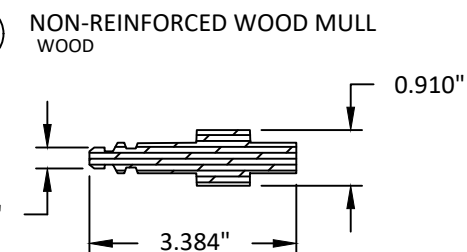
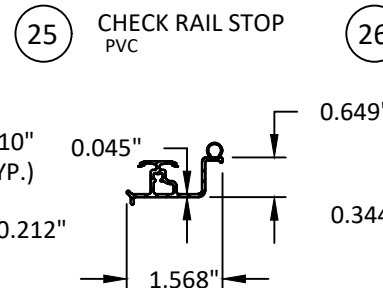
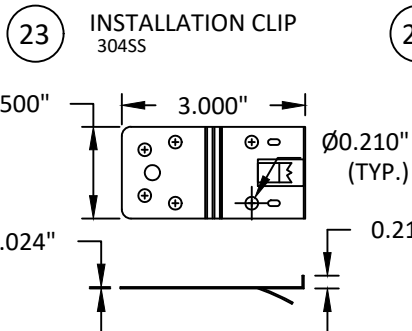
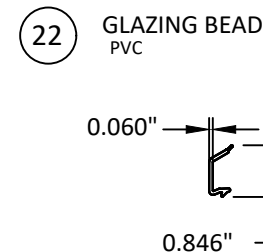
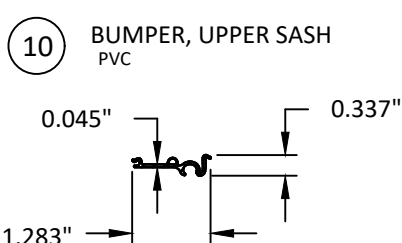
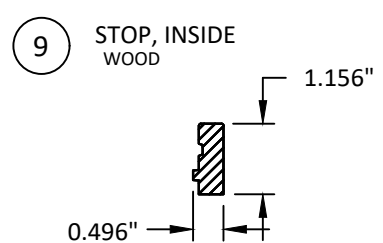
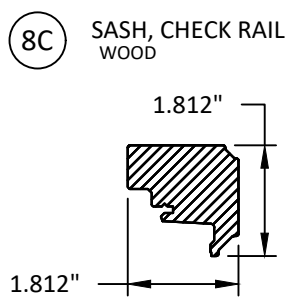
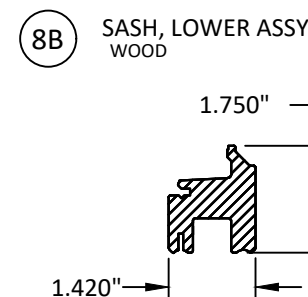
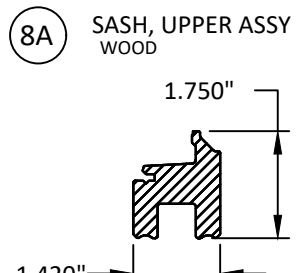
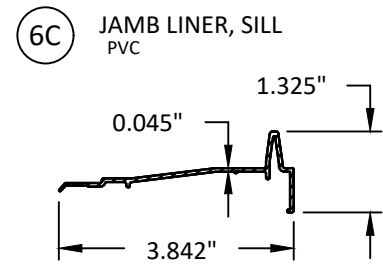
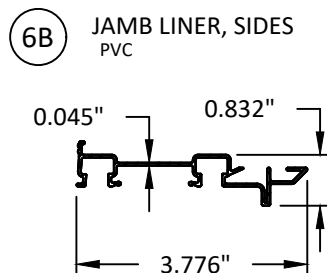
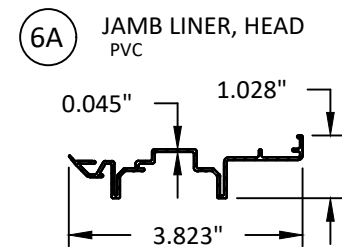
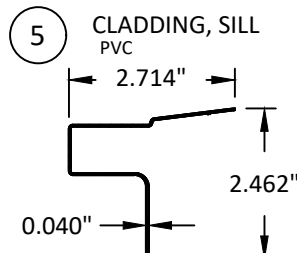
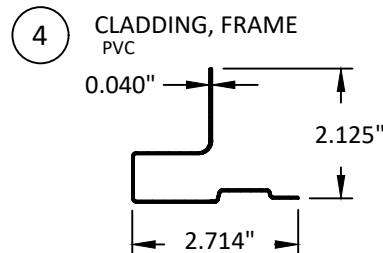
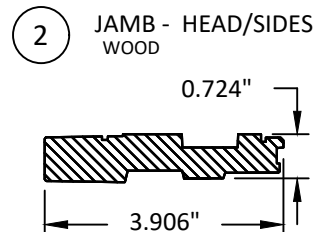
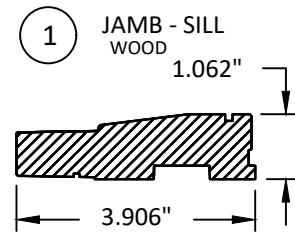
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BILL OF MATERIAL			
ITEM NO.	DESCRIPTION	MATERIAL	MANUFACTURER
1	JAMB, SILL	WOOD	ANDERSEN
2	JAMB, HEAD/SIDES	WOOD	ANDERSEN
4	CLADDING, FRAME	PVC	ANDERSEN
5	CLADDING, SILL	PVC	ANDERSEN
6A	JAMB LINER, HEAD	PVC	ANDERSEN
6B	JAMB LINER, SIDES	PVC	ANDERSEN
6C	JAMB LINER, SILL	PVC	ANDERSEN
8A	SASH, UPPER ASSY	WOOD	ANDERSEN
8B	SASH, LOWER ASSY	WOOD	ANDERSEN
8C	SASH, CHECK RAIL	WOOD	ANDERSEN
9	STOP, INSIDE	WOOD	ANDERSEN
10	BUMPER, UPPER SASH	PVC	ANDERSEN
11	METAL SWEEP LOCK & KEEPER	-	-
12	BLOCK & TACKLE BALANCES	-	-
13	PVC TILT LATCHES	-	-
14	TILT PINS	-	-
15	BRAD NAIL 18GA X 1"	-	-
16	STAPLE, 19 GA X 5/16" X 1"	-	-
17	#6 X 1-1/2" PH BUGLE	-	-
18	STAPLE, 7-16" X 1-1/2", 16 GA.	-	-
19	#8-15 X 5/8 PH SS	-	-
20	DOW 1199	SILICONE	DOW CORNING
21	PLUG, SILL	-	-
22	GLAZING BEAD	PVC	ANDERSEN
23	INSTALLATION CLIP	304SS	ANDERSEN
24	INSTALLATION CLIP	304SS	ANDERSEN
25	CHECK RAIL STOP	PVC	ANDERSEN
26	NON-REINFORCED WOOD MULL	WOOD	ANDERSEN
27	EXTERIOR TRIM STRIP	PVC	ANDERSEN
28	INTERIOR MULL CASING	WOOD	ANDERSEN
29	V-NOTCH GUSSET PLATE (STEEL MULLION)	GALV. STEEL	ANDERSEN
30	GUSSET PLATE	GALV. STEEL	ANDERSEN
31	STEEL MULL REINFORCEMENT	A36 STEEL	ANDERSEN
32	V-NOTCH GUSSET PLATE (NON-REINFORCED MULL)	GALV. STEEL	ANDERSEN

NOTE: ALL WOOD TO BE PONDEROSA PINE OR EQUAL



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COMPONENTS & BILL OF MATERIALS

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8TH FBC CODE CHANGE	OL	6.01.23

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FL #:

FL15752

DATE: 06.14.12

DWG. BY: MSS

CHK. BY: HFN

SCALE: NTS

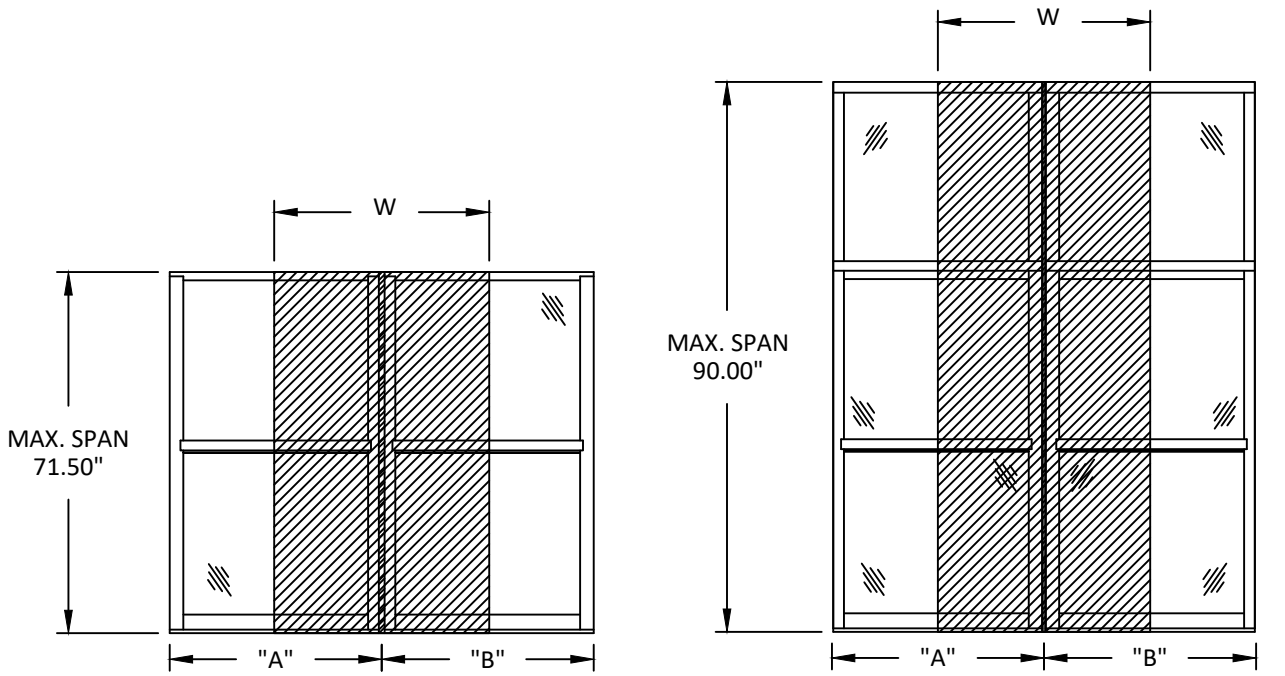
DWG. #: AWD053

SHEET:

5

OF 7

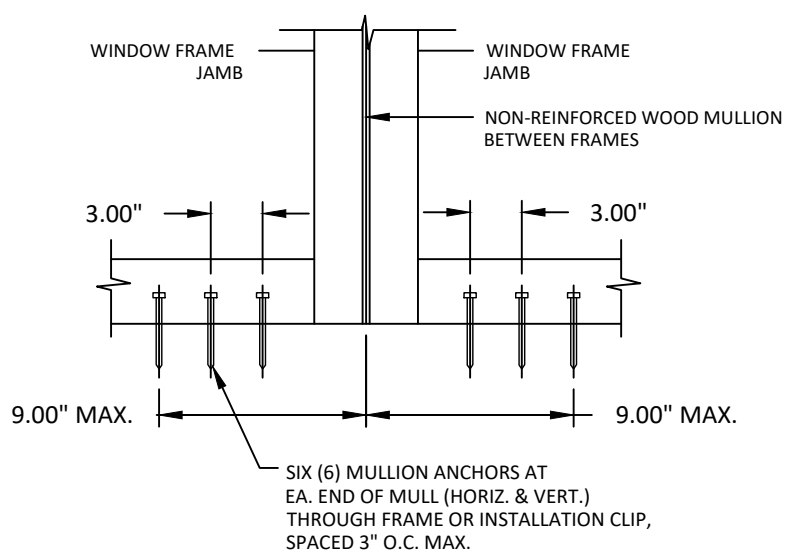
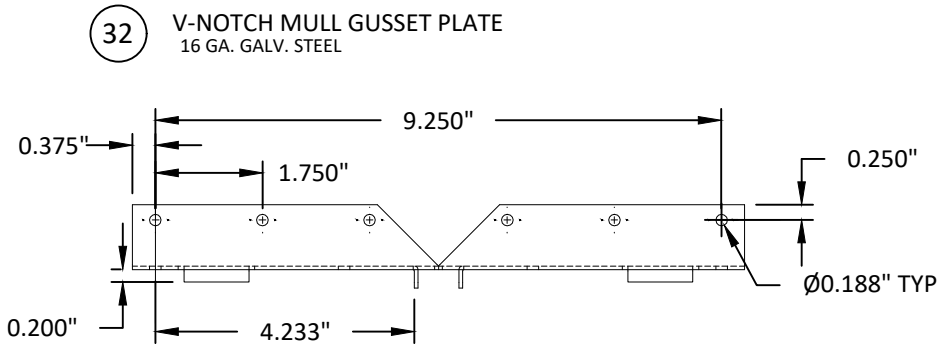
200 SERIES TILT WASH & FIXED UNITS NARROW WOOD JOINING



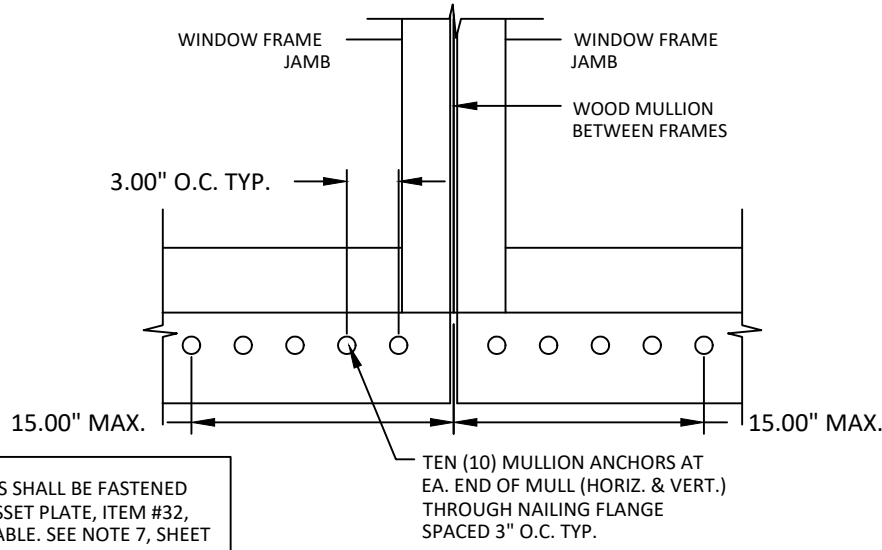
ELEVATION A
MAX. TRIBUTARY WIDTH = $W = (A+B)/2 = 40.00"$

ELEVATION B
MAX. TRIBUTARY WIDTH = $W = (A+B)/2 = 36.00"$

- NOTE:
- 1) MULLION CHART APPLIES TO NARROW WOOD MULLION ASSEMBLIES, SEE TYP. DETAIL I/4, WHEN USED TO MULL WINDOWS IN CONFIGURATIONS SHOWN IN ELEVATIONS A & B.
 - 2) MULLION UNITS MAY BE ONE-WAY RIBBON OR STACK MULLS COMBINATIONS OF 5 UNITS OR LESS WITH A MAX WIDTH/HEIGHT OF 12'-6".
 - 3) TWO-COMBINATIONS ARE LIMITED TO 2 UNITS WIDE BY 2 UNITS TALL, AS SHOWN.
 - 4) MAXIMUM DEFLECTION HAS BEEN LIMITED TO $L/175$.
 - 5) 200 SERIES DOUBLE HUNG FIXED WINDOWS UNDER SEPARATE APPROVAL.
 - 6) DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE NON-REINFORCED WOOD MULL ASSEMBLY OR THE INDIVIDUAL WINDOW UNIT OF INSTALLATION.
 - 7) V-NOTCHED GUSSETS ARE REQUIRED FOR STACKS GREATER THAN 8' HIGH, RIBBONS GREATER THAN 9' WIDE, & ALL TWO-WAY COMBINATIONS. SEE DETAIL M/7, SHEET 7, FOR DETAILS.
 - 8) ADJACENT WINDOWS SHALL BE FASTENED TO THE ROUGH OPENING WITH ADDITIONAL ANCHORS IN ACCORDANCE WITH DETAILS K/6 OR L/6, SHEET 6.
 - 9) MAXIMUM DESIGN PRESSURE: 35 PSF



J
6
FRONT VIEW
MULLION ANCHOR DETAIL
THROUGH FRAME/INSTALLATION CLIP



NOTE: SIX (6) ANCHORS SHALL BE FASTENED THROUGH GUSSET PLATE, ITEM #32, WHEN APPLICABLE. SEE NOTE 7, SHEET 6.

K
6
FRONT VIEW
MULLION ANCHOR DETAIL
NAILING FIN



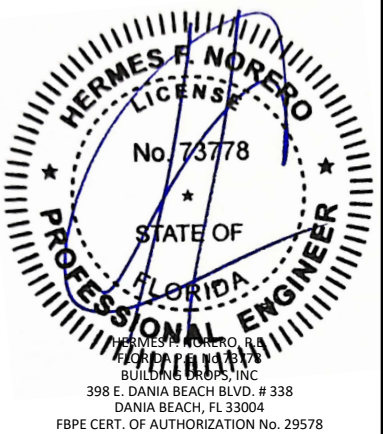
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: 200 SERIES TILT WASH
DOUBLE HUNG WINDOW
(NON-HVHZ)/(NON-IMPACT)
ONE-WAY & TWO-WAY WOOD
MULL ELEVATIONS & DETAILS

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	4.14.15
6TH FBC CODE CHANGE	LS	6.16.17
7TH FBC CODE CHANGE	SR	3.20.20
8TH FBC CODE CHANGE	OL	6.01.23

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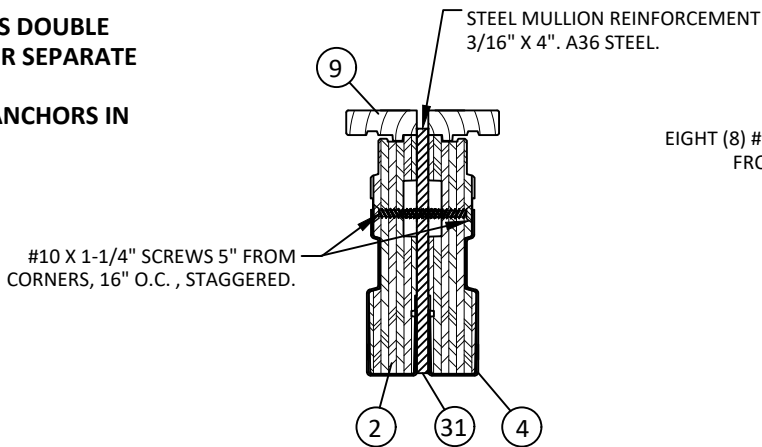


FL #:	FL15752
DATE:	06.14.12
DWG. BY:	MSS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD053
SHEET:	6

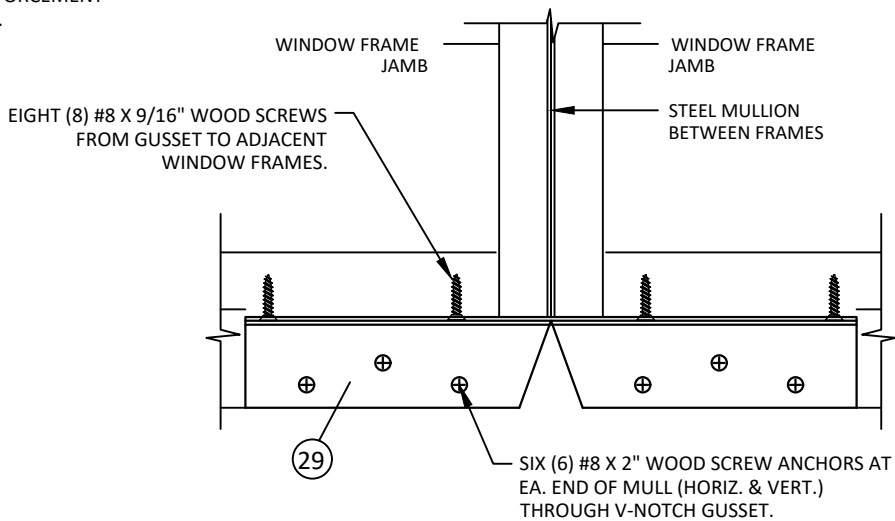
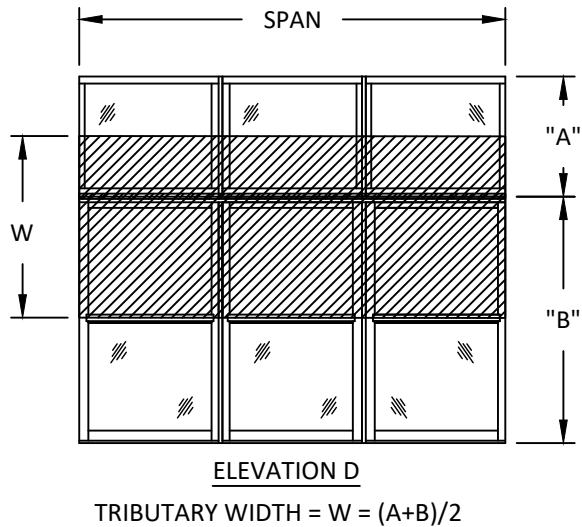
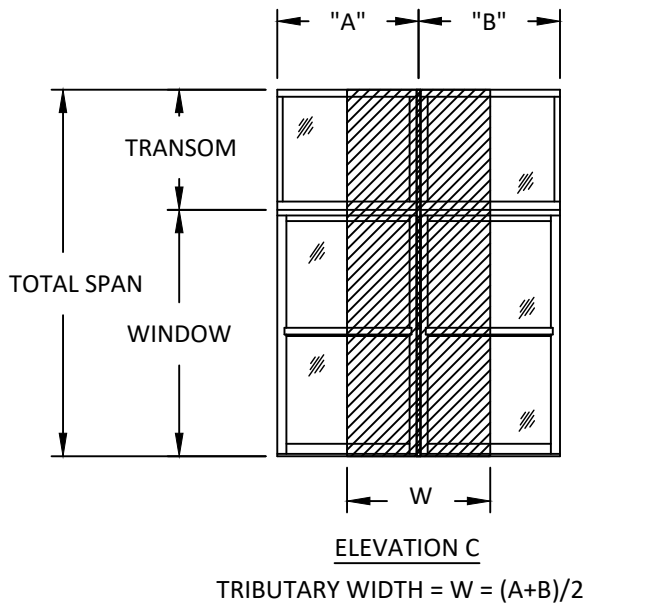
Maximum design pressure capacity chart (psf)
200 Series TW Double Hung & Double Hung Fixed Window, 200S Reinforced Steel with V-Notch Gusset
Design pressures are limited by mullion capacity only.

Span (in.)	Tributary Width (in)														
	12.0	18.0	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	90.0	96.0
24.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
30.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
36.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
42.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
48.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
54.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
60.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	48.9
66.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.8	46.2	43.1	40.4
72.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.4	45.3	41.8	38.8	36.2	34.0	
78.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	46.3	42.1	38.6	35.6	33.1	30.9	29.0	
84.0	50.0	50.0	50.0	50.0	50.0	50.0	49.9	44.4	39.9	36.3	33.3	30.7	28.5	26.6	25.0
90.0	50.0	50.0	50.0	50.0	50.0	49.7	43.5	38.7	34.8	31.6	29.0	26.8	24.9	23.2	21.7
96.0	50.0	50.0	50.0	50.0	48.0	41.7	37.0	33.3	30.3	27.8	25.5	23.5	21.8	20.4	19.1
102.0	50.0	50.0	50.0	47.2	39.8	34.6	30.7	27.6	25.1	23.0	21.3	19.7	18.4	17.3	16.3
108.0	50.0	50.0	49.0	39.6	33.4	29.0	25.7	23.1	21.0	19.3	17.8	16.6	15.5	14.5	13.7
114.0	50.0	50.0	41.5	33.6	28.3	24.5	21.7	19.5	17.8	16.3	15.1	14.0	13.1	12.3	11.6
120.0	50.0	46.9	35.5	28.7	24.2	21.0	18.5	16.7	15.2	13.9	12.9	12.0	11.2	10.5	9.9
126.0	50.0	40.4	30.6	24.7	20.8	18.0	15.9	14.3	13.0	12.0	11.1	10.3	9.6	9.0	8.5
132.0	50.0	35.1	26.6	21.5	18.1	15.6	13.8	12.4	11.3	10.4	9.6	8.9	8.3	7.8	7.4
138.0	45.6	30.7	23.2	18.8	15.8	13.6	12.1	10.8	9.8	9.0	8.3	7.8	7.3	6.8	6.4
144.0	40.1	27.0	20.4	16.5	13.9	12.0	10.6	9.5	8.6	7.9	7.3	6.8	6.4	6.0	5.6

- NOTE:
- MULLION CHART APPLIES TO STEEL MULLION ASSEMBLIES, SEE TYP. DETAIL L/7, WHEN USED TO MULL WINDOWS IN CONFIGURATIONS SHOWN IN ELEVATIONS C & D.
 - 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 MULLION OR THE INDIVIDUAL WINDOW UNIT OF INSTALLATION.
 - MULLION CHART ABOVE APPLIES TO MULLED ASSEMBLIES CONSISTING OF 200 SERIES DOUBLE HUNG AND DOUBLE HUNG FIXED WINDOWS. DOUBLE HUNG FIXED WINDOWS UNDER SEPARATE APPROVAL.
 - ADJACENT WINDOWS SHALL BE FASTENED TO 2X WOOD BUCKS WITH ADDITIONAL ANCHORS IN ACCORDANCE WITH DETAILS M/7, SHEET 7.



L
7
HORIZONTAL SECTION
TW-TW OR TW-FIXED



M
7
FRONT VIEW
MULLION ANCHOR DETAIL
V-NOTCH GUSSET

NOTE: REINFORCED STEEL MULLION WITH V-NOTCH GUSSET PLATE AVAILABLE ONLY AS FIELD MULLING OR DEALER MULLING OPTION, ASSEMBLY NOT AVAILABLE FROM FACTORY.



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

TITLE: 200 SERIES TILT WASH
DOUBLE HUNG WINDOW
(NON-HVHZ)/(NON-IMPACT)
ONE-WAY & TWO-WAY STEEL MULL
DP TABLES, ELEVATIONS & DETAILS

PREPARED BY: BUILDING DROPS, INC.
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DANIA BEACH, FL 33004
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FL #:

FL15752

DATE: **06.14.12**

DWG. BY:

MSS

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

AWD053

SHEET:

7

OF 7