

ANDERSEN CORPORATION

400 SERIES AWNING WINDOW WITH STORMWATCH PROTECTION (HVHZ)(IMPACT)

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR CLIP 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 SCREWS OR ONE (1) #12 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-DRILLING SCREWS PER INSTALLATION CLIP 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 BUILDING CODE (FBC), **INCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
- 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 NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: PONDEROSA PINE OR EQUAL. (MINIMUM SPECIFIC GRAVITY OF 0.40)
- GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 3 FOR GLAZING DETAIL.
- DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:

X: OPERABLE PANEL
O: FIXED PANEL
- IN ACCORDANCE WITH THE FBC, WOOD COMPONENTS SHALL HAVE BEEN PRESERVATIVE TREATED OR SHALL BE OF A DURABLE SPECIES AS SPECIFIED IN CHAPTER 23.
- CUSTOM SIZES AVAILABLE UPON REQUEST.

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2	ELEVATIONS & ANCHOR LAYOUTS
3	VERTICAL & HORIZONTAL SECTIONS & GLAZING DETAIL
4	COMPONENTS & BILL OF MATERIALS

UNIT	MAXIMUM SIZE	DESIGN PRESSURE	MISSILE IMPACT RATING
AW51	59-7/8" X 28-3/8"	+ 67.0 /- 82.0 PSF	LARGE & SMALL MISSILE IMPACT
AX51	59-7/8" X 31-1/2"	+ 60.0 /- 65.0 PSF	



ANDERSEN
WINDOWS & DOORS

100 FOURTH AVE NORTH
BAYPORT, MN 55003
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TITLE:
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WITH STORMWATCH PROTECTION
(HVHZ)(IMPACT)
GENERAL &
INSTALLATION NOTES

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
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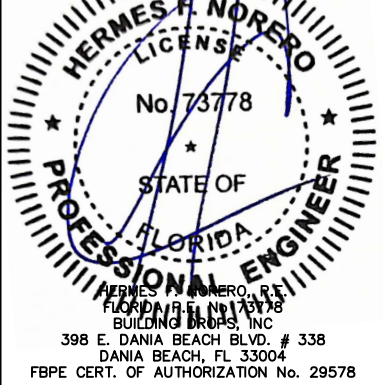


BUILDING DROPS

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 20:38:16 -0400



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

FL #:
FL15727

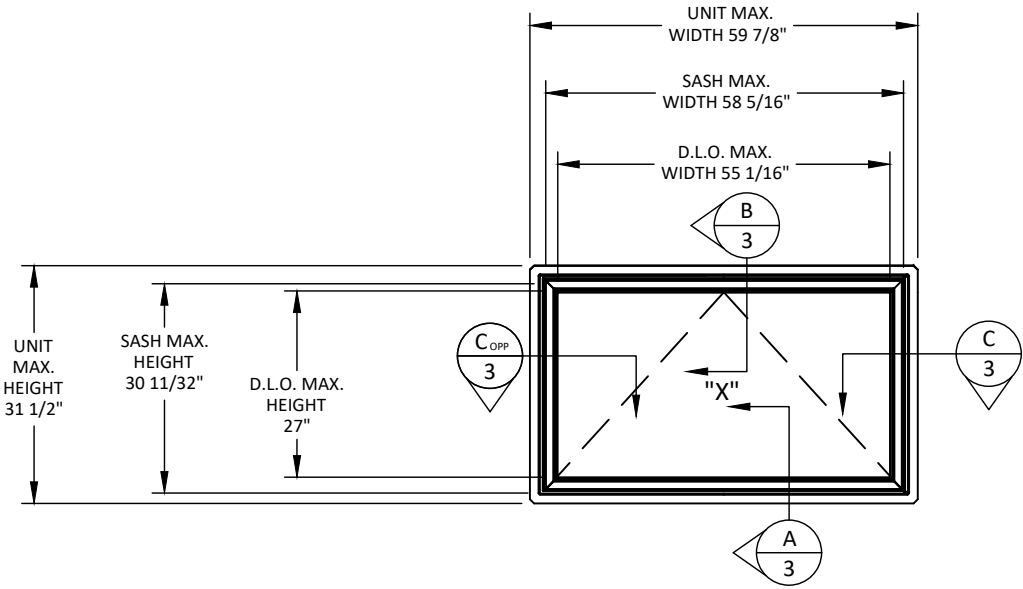
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SCALE: **NTS**

DWG. #: **AWD136**

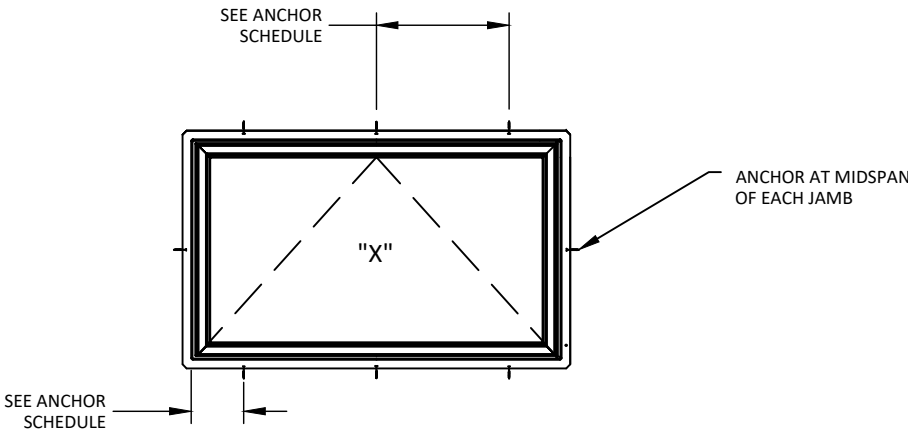
SHEET:
1
OF 4



ELEVATION
AX51

ASSEMBLY NOTES:

- 1. OPERABLE UNITS:
 - A. FULL LENGTH ALUMINUM SNUGGER (ITEM #13) AT HEAD.
 - B. HINGE ASSEMBLY (ITEM #16) LOCATED AT TOP CORNERS OF EACH OPERATING SASH.
 - C. METAL SWEEP LOCK WITH KEEPERS (ITEM #17) ON JAMBS.
 - D. ROTO OPERATOR (ITEM #12) AT SILL.



ANCHOR LAYOUT
INSTALLATION CLIP

ANCHOR SCHEDULE							
QTY PER CLIP	SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT (IN.)	MIN. EDGE DISTANCE (IN.)	HEAD/SILL MAX. O.C. DISTANCE	JAMB MAX. O.C. DISTANCE	CORNER DISTANCE ON HEAD/SILL (IN.)
2	WOOD	#8 WOOD ANCHOR	1.50	0.75	MIDSPAN	MIDSPAN	12
1	WOOD	#12 WOOD ANCHOR	1.50	0.75	MIDSPAN	MIDSPAN	12
1	CONCRETE / MASONRY	3/16" ITW TAPCON	1.25	2.50	MIDSPAN	MIDSPAN	12
2	STEEL STUD	#8 SELF-TAPPING SCREW	3 THREADS	0.50	MIDSPAN	MIDSPAN	12



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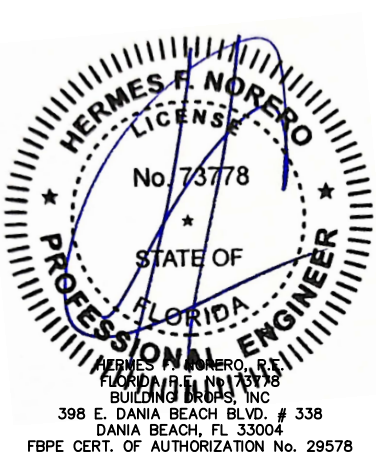
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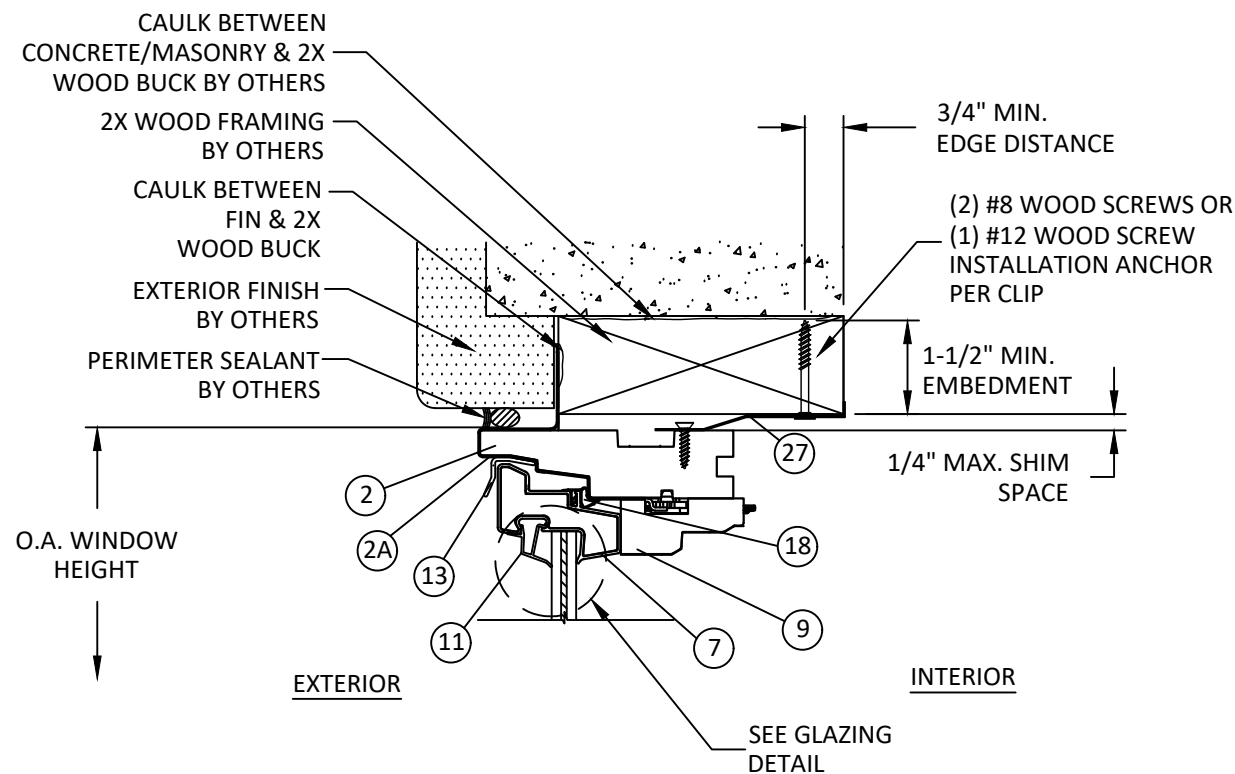
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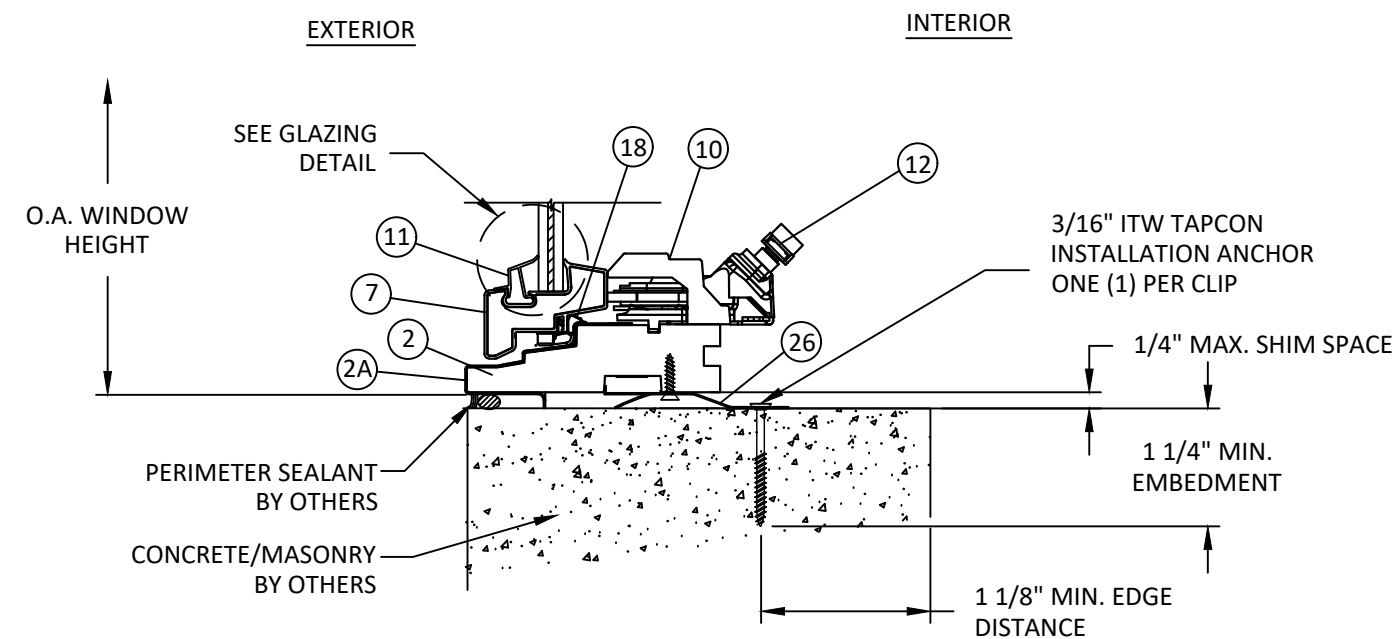
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2

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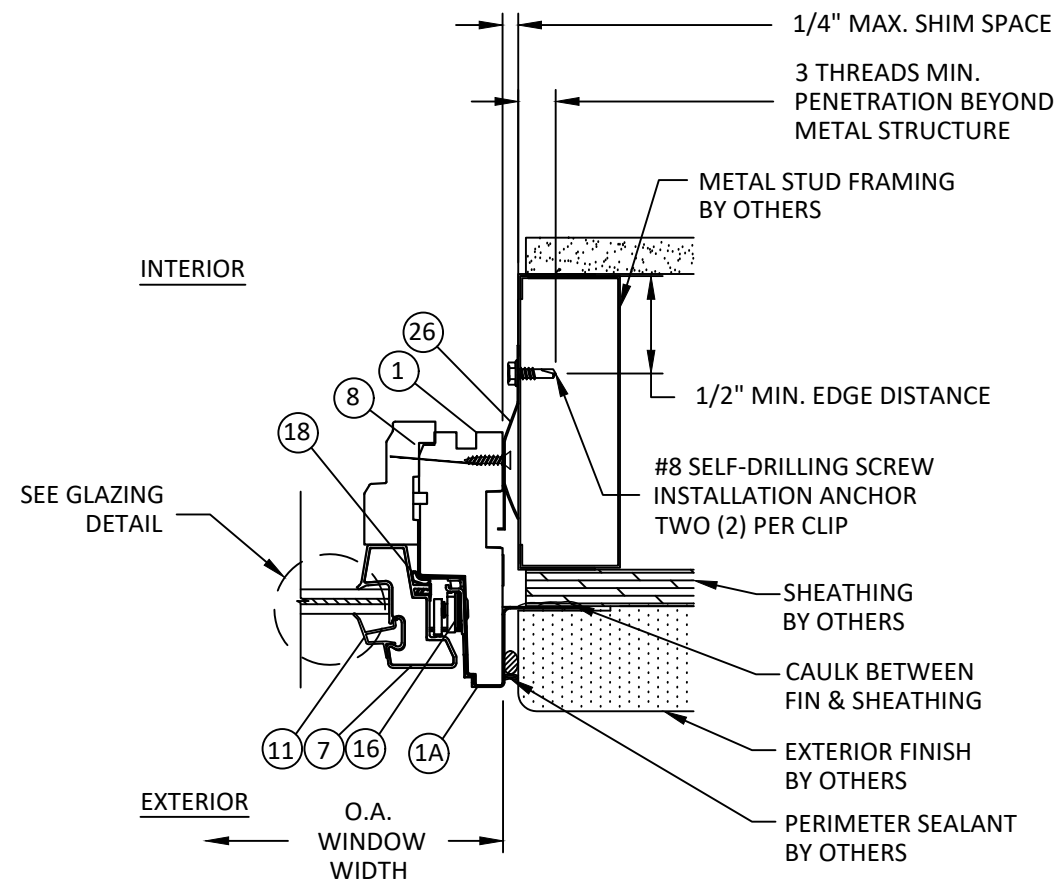


B
3 **VERTICAL SECTION**
HEAD - 2X WOOD FRAME
INSTALLATION CLIP



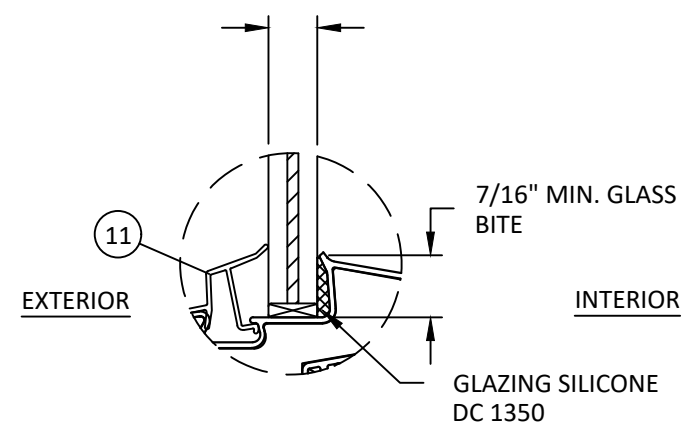
A
3 **VERTICAL SECTION**
SILL - CONCRETE/MASONRY
INSTALLATION CLIP

- DETAIL A/3 NOTES:
1. OPTIONAL 1X WOOD BUCK MAY BE EMPLOYED.
 2. NAILING FIN OPTIONAL.



C
3 **HORIZONTAL SECTION**
JAMB - METAL STUD
INSTALLATION CLIP

10.1 MM O.A. LAMINATED GLASS CONSISTING OF:
3.9 MM ANNEALED GLASS
0.090" PVB INTERLAYER BY KURARAY
3.9 MM ANNEALED GLASS



GLAZING DETAIL 1

- GLAZING NOTES:
1. GLAZING COMPLIES 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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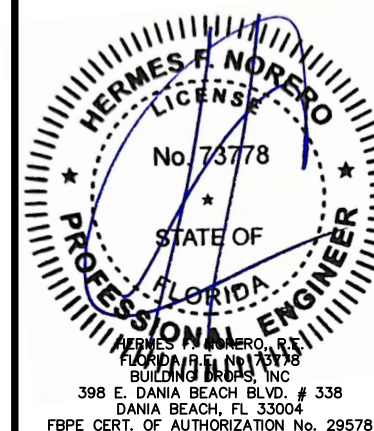
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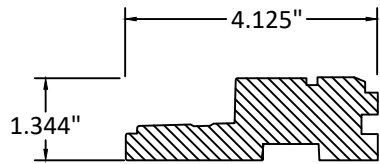
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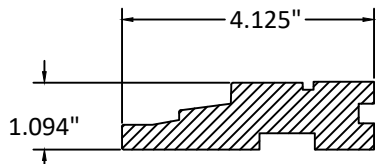
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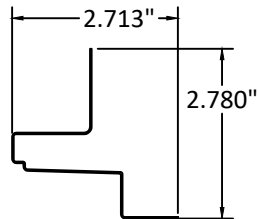
1 FRAME JAMB
WOOD



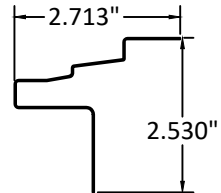
2 FRAME HEAD/SILL
WOOD



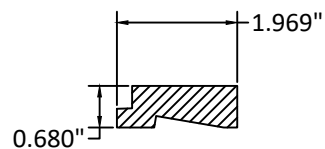
1A FRAME JAMB VINYL CLADDING
PVC



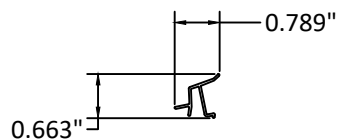
2A FRAME HEAD/SILL VINYL CLADDING
PVC



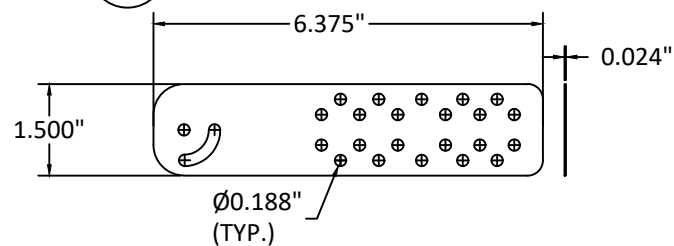
3 EXTENSION JAMB
WOOD



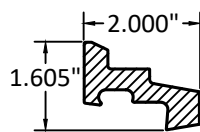
11 GLAZING BEAD
PVC
LAMI GLAZING



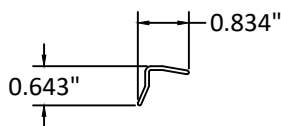
27 INSTALLATION CLIP
304 SS



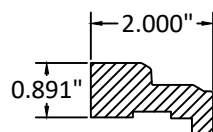
7 SASH RAIL/STILE
WOOD/PVC



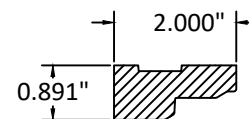
13 SNUGGER
ALUMINUM



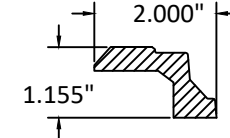
8 TRIM STOP JAMB
WOOD



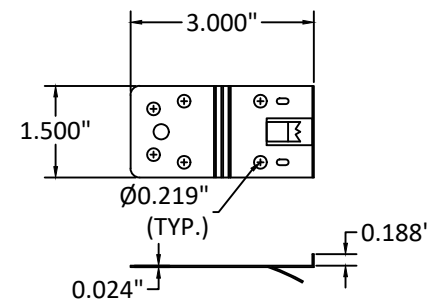
9 TRIM STOP HEAD
WOOD



10 TRIM STOP SILL
WOOD



26 INSTALLATION CLIP
304 SS



NOTE:

1. INSTALLATION CLIPS (#26 & #27) MAY BE USED INTERCHANGEABLY
2. INSTALLATION CLIPS SHALL BE ATTACHED TO WINDOW FRAME WITH TWO (2) #8 X 5/8\"/>

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		NOT USED	-	-
5		NOT USED	-	-
6		NOT USED	-	-
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	30894	GLAZING BEAD	PVC	-
12	0102409	ROTO OPERATOR	STEEL	TRUTH HARDWARE
13	30442	SNUGGER	ALUMINUM	-
14	#8 X 1/2"	SNUGGER SCREW	-	-
15		NOT USED	-	-
16	30462/3	HINGES	STEEL	TRUTH/AMEROCK CORP.
17	30813/4	LOCK WITH KEEPERS	STEEL	-
18	0105827	WEATHER STRIPPING	-	-
19		NOT USED	-	-
20		NOT USED	-	-
21		NOT USED	-	-
22		BRAD NAILS 1-1/2" LONG	GALV. STEEL	-
23	30172	FOAM WEATHERSTRIPPING	-	-
24		NOT USED	-	-
2A	30023	FRAME HEAD/SILL VINYL CLADDING	PVC	ANDERSEN
1A	30023	FRAME JAMB 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



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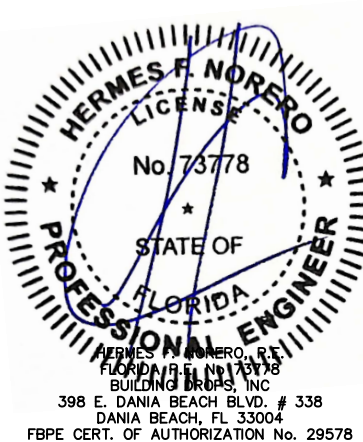
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