

ANDERSEN CORPORATION

A-SERIES AWNING & VENTING TRANSOM WINDOWS - (IMPACT)



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

GENERAL NOTES:

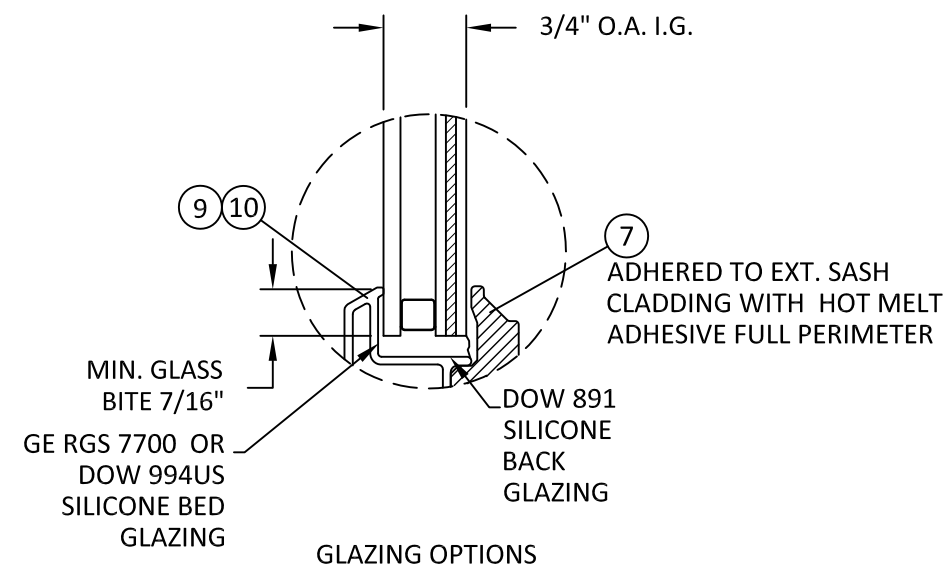
- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE (IBC) AND 2018 INTERNATIONAL RESIDENTIAL CODE (IRC) AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/I.S.2/A440-17
 - ASTM E1886-13a
 - ASTM E1996-14a
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL 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.
- 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.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: PINE (*MIN S.G. = 0.40*)
- CLADDING MATERIAL: FIBREX® AND FIBERGLASS
- IN ACCORDANCE WITH THE FBC, WOOD COMPONENTS SHALL HAVE BEEN PRESERVATIVE TREATED OR SHALL BE OF A DURABLE SPECIES.
- GLASS SHALL MEET THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.
- CONFIGURATION (CONFIG.) NOTATION:
 - 'X' - OPERABLE SASH
 - 'O' - STATIONARY SASH

OVERALL SIZE		DESIGN PRESSURE	GLAZING OPTION	CONFIG.	MISSILE IMPACT RATING
WIDTH	HEIGHT				
59 1/4"	31 1/4"	+70/- 70 PSF	G1 OR G2	'X' OR 'O'	LARGE & SMALL MISSILE IMPACT
51 1/4"	35 1/4"	+70/- 70 PSF	G1 OR G2	'X' OR 'O'	LARGE & SMALL MISSILE IMPACT
47 1/4"	47 1/4"	+50/- 50 PSF	G2	'X' OR 'O'	LARGE & SMALL MISSILE IMPACT
71 1/4"	47 1/4"	+50/- 50 PSF	G3	'X' OR 'O'	LARGE & SMALL MISSILE IMPACT

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7	COMPONENTS

GLAZING NOTES

- GLAZING TYPES:
 - GLAZING OPTION 1, 3/4" O.A. INSULATED GLASS: 5/32" ANNEALED - STAINLESS STEEL SPACER - 3/32" ANNEALED - 0.090" PVB INTERLAYER BY KURARAY - 3/32" ANNEALED.
 - GLAZING OPTION 2, 3/4" O.A. INSULATED GLASS: 5/32" TEMPERED - STAINLESS STEEL SPACER - 3/32" ANNEALED - 0.090" PVB INTERLAYER BY KURARAY - 3/32" ANNEALED.
 - GLAZING OPTION 3, 3/4" O.A. INSULATED GLASS: 5/32" TEMPERED - STAINLESS STEEL SPACER - 7/64" ANNEALED - 0.090" PVB INTERLAYER BY KURARAY - 7/64" ANNEALED.
- FOR INSTALLATION ABOVE 30 FT. ABOVE GRADE IN AREAS REQUIRING IMPACT RESISTANCE, ALL UNITS MUST BE SAFETY GLAZED OR COVERED BY AN IMPACT PROTECTIVE SYSTEM IN ACCORDANCE WITH THE FBC.



NOTE:

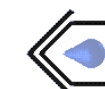
- FOR INSTALLATION ABOVE 30 FT. ABOVE GRADE IN AREAS REQUIRING IMPACT RESISTANCE, ALL UNITS MUST BE SAFETY GLAZED OR COVERED BY AN IMPACT PROTECTIVE SYSTEM.
- FOR FIXED LITES GREATER THAN 36" IN WIDTH, TWO (2) APPROVED SETTING BLOCKS SHALL BE USED

TITLE: A-SERIES AWNING WINDOW (IMPACT)

GENERAL NOTES & GLAZING 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

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HERMES F. NORERO, P.E.
TEXAS P.E. No. 118471
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
TBPE FIRM No. 13734

DATE: 03.13.20

DWG. BY: MS

CHK. BY: HFN

SCALE: NTS

DWG. #: AWD271

SHEET:

1

OF 7



100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
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TITLE: A-SERIES AWNING WINDOW
(IMPACT)
ELEVATIONS, ANCHOR LAYOUTS,
& ASSEMBLY NOTES

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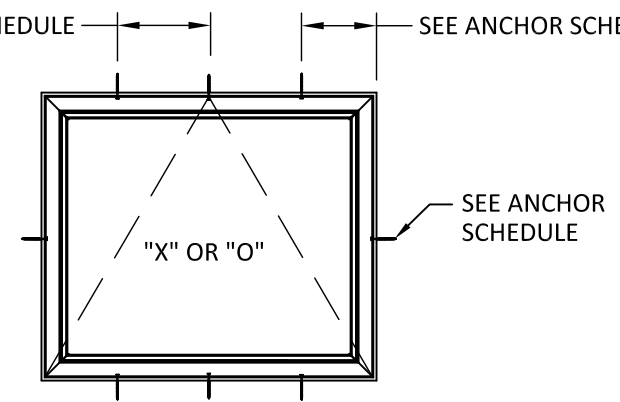
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SEE ANCHOR SCHEDULE



ANCHOR LEGEND	
—	INSTALLATION CLIP LOCATION.

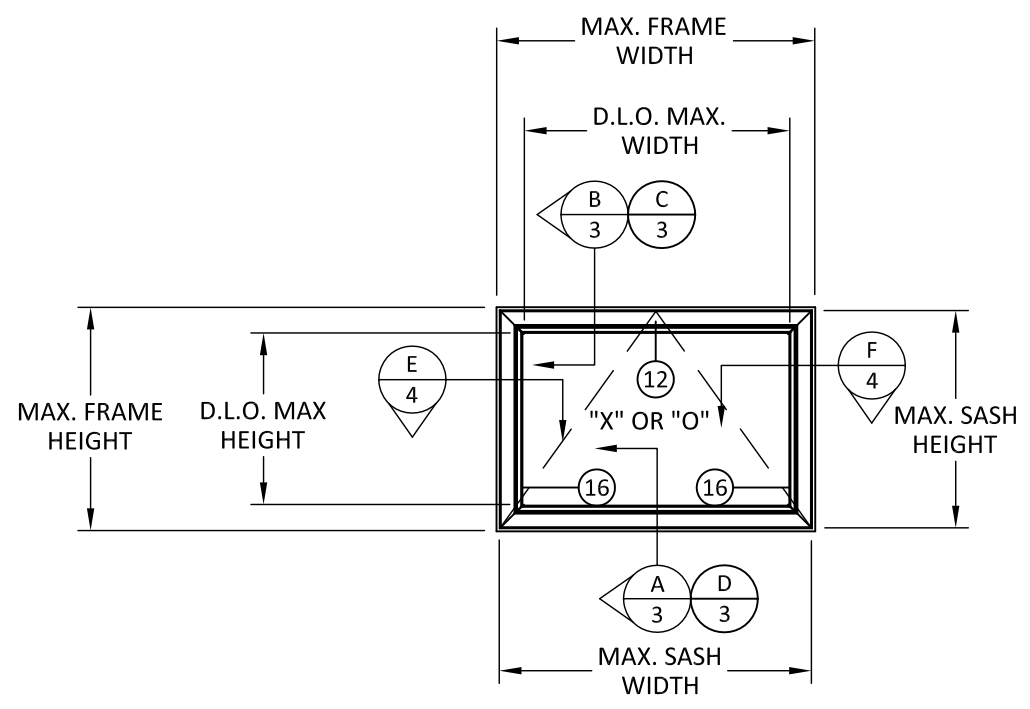
TYPICAL ANCHOR LAYOUT
INSTALLATION CLIP

ANCHOR SCHEDULE - HEAD/SILL		
WIDTH (W)	DESCRIPTION	TOTAL QUANTITY
W > 51.25"	USE ONE CLIP 12" FROM EACH CORNER AND ONE AT MIDSPAN	3
35.25" < W ≤ 51.25"	USE ONE CLIP 12" FROM EACH CORNER	2
W ≤ 35.25"	USE ONE CLIP AT MIDSPAN	1

ANCHOR SCHEDULE - JAMBS		
WIDTH (W)	DESCRIPTION	TOTAL QUANTITY
H ≤ 35.25"	USE ONE CLIP AT MIDSPAN	1
H > 35.25"	USE ONE CLIP 12" FROM EACH CORNER	2

HARDWARE SCHEDULE			
UNIT TYPE	SIZE	HARDWARE	QUANTITY
X	H ≤ 31.25"	LOCK KEEPER	2
X	H > 31.25"	LOCK KEEPER	4
O	H ≤ 31.25"	STATIONARY BRACKETS	3 (1 AT EA. JAMB, 1 AT SILL)
O	H > 31.25"	STATIONARY BRACKETS	6 (2 AT EA. JAMB, 2 AT SILL)

HARDWARE SCHEDULE			
UNIT TYPE	SIZE	HARDWARE	QUANTITY
X or O	H ≤ 28" & W ≤ 24"	SNUGGERS	0
X or O	H ≤ 24" & W ≤ 28"	SNUGGERS	0
X or O	H ≤ 40" & W ≤ 40"	SNUGGERS	1
X or O	H ≤ 30" & W ≤ 44"	SNUGGERS	1
X or O	H ≤ 28" & W ≤ 50"	SNUGGERS	1
X or O	H ≤ 24" & W ≤ 58"	SNUGGERS	1
X or O	H ≤ 20" & W ≤ 60"	SNUGGERS	1
X or O	H ≤ 40" & W ≤ 60"	SNUGGERS	2



ELEVATION

Product Dimension			
Product	Overall Size	Sash Size	D.L.O. Size
AAN6028	71.25" X 31.25"	69.25" X 29.25"	64.60" X 23.80"
AAN6040	71.25" X 47.25"	69.25" X 47.25"	64.60" X 41.80"
AAN4040	47.25" X 47.25"	45.25" X 45.25"	40.56" X 39.81"
ATV4430	51.25" X 35.25"	51.25" X 33.25"	44.625" X 28.625"
ATV5028	59.25" X 31.25"	57.25" X 29.25"	52.625" X 24.625"

ASSEMBLY NOTES:

- 1) LOCK KEEPERS SHALL BE FASTENED TO SASH WITH TWO #7 X 1-1/16" SCREWS.
- 2) SNUGGER SETS AT HEAD JAMBS SHALL BE FASTENED TO SASH AND FRAME WITH FOUR #8 X 1" SCREWS, TWO THROUGH SNUGGER TO FRAME, AND TWO THROUGH SNUGGER TO SASH.
- 3) INTERIOR TRIM STOPS SHALL BE SECURED WITH 7/32" X 1" STAPLES 3" FROM CORNERS AND 7" O.C. THEREAFTER.
- 4) TRIM STOPS SHALL BE SECURED WITH VINYL SPLINE.
- 5) WOOD FRAME MEMBERS SHALL BE BONDED TO EXTERIOR FRAME CLADDING WITH HOT MELT ADHESIVE.
- 6) BOTTOM RAIL TO HAVE GALVANIZED STEEL STIFFNER INSERTED LOOSELY INTO INTERNAL CAVITY OF RAIL FOR ALL UNITS EQUAL TO OR LARGER IN WIDTH AND / OR HEIGHT THAN 47.25" X 35.25"

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TITLE: A-SERIES AWNING WINDOW
(IMPACT)

VERTICAL SECTIONS

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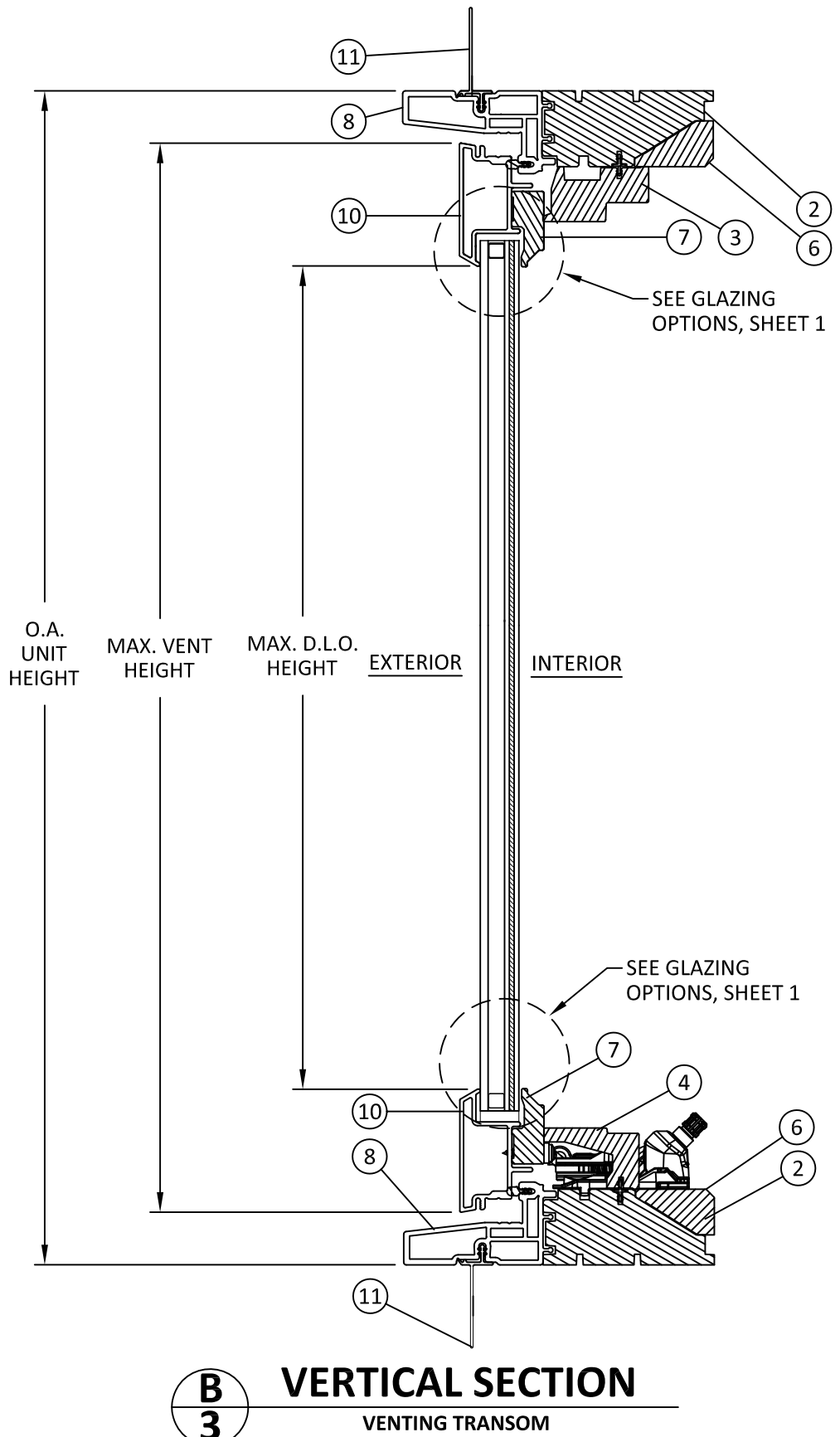
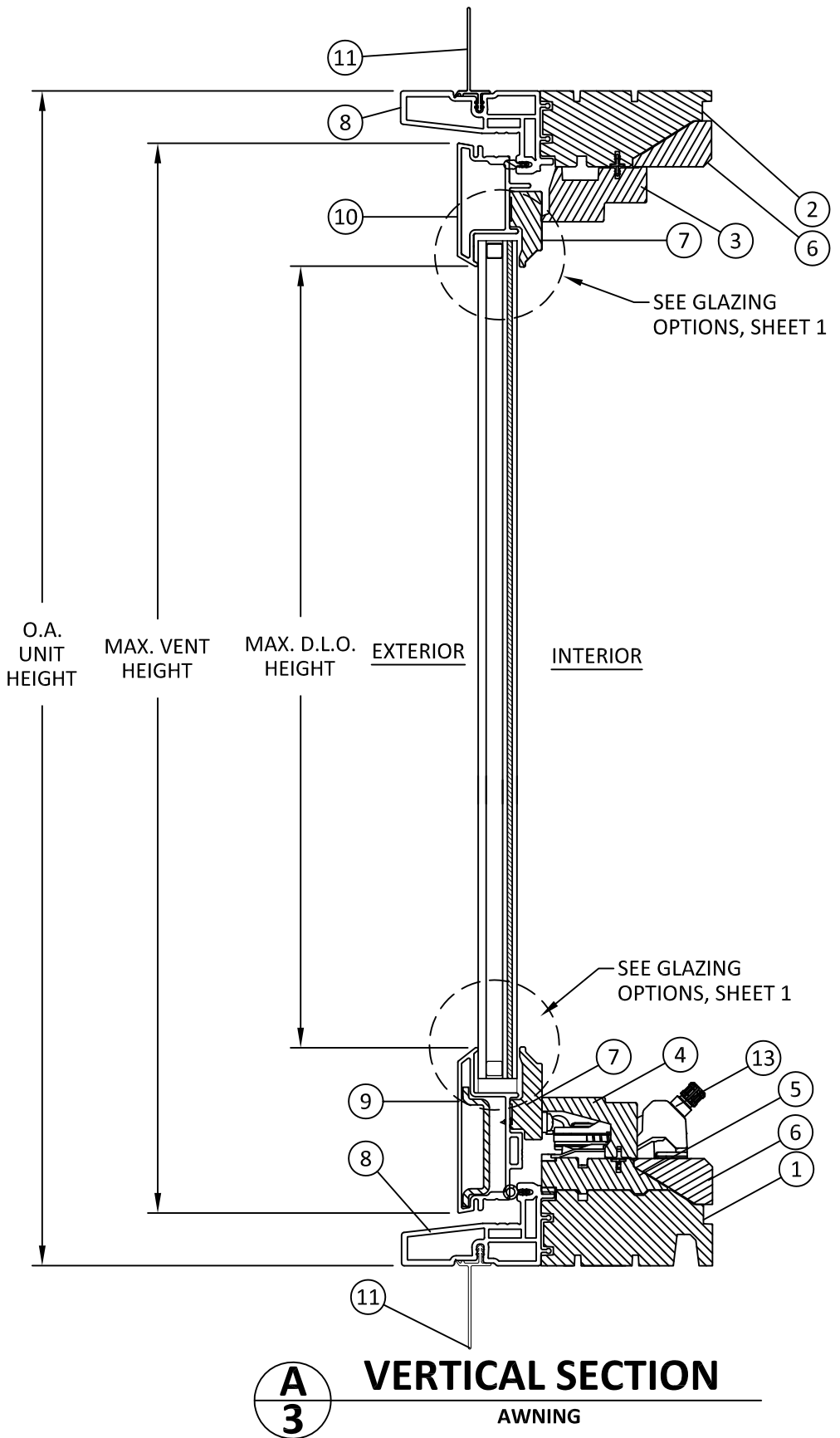
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DWG. #: AWD271

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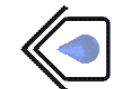
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HORIZONTAL SECTIONS

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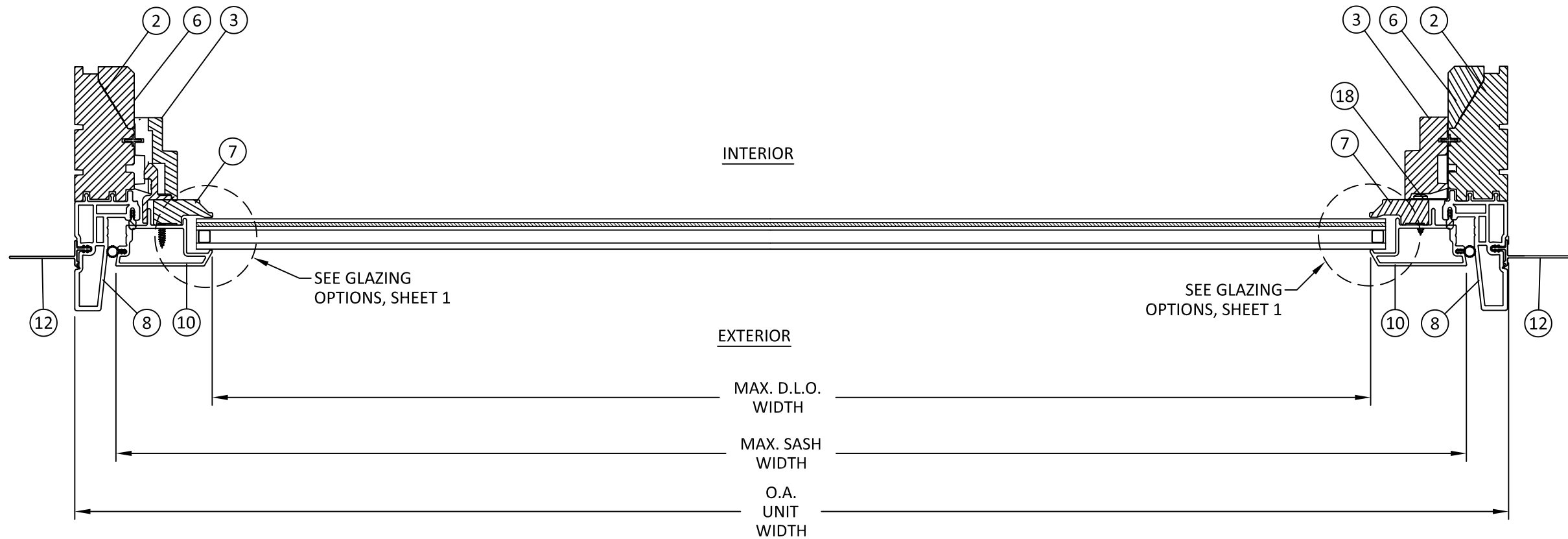
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OF 7



A
4

HORIZONTAL SECTION

AWNING/VENTING TRANSOM



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TITLE: A-SERIES AWNING WINDOW
(IMPACT)

INSTALLATION NOTES, ANCHOR DETAIL
& SCHEDULE

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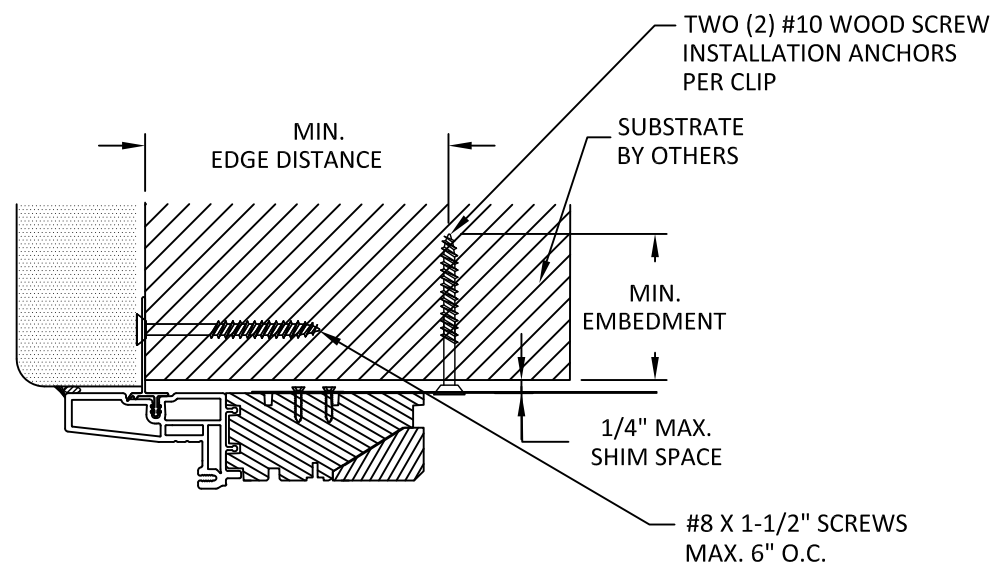
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OF 7



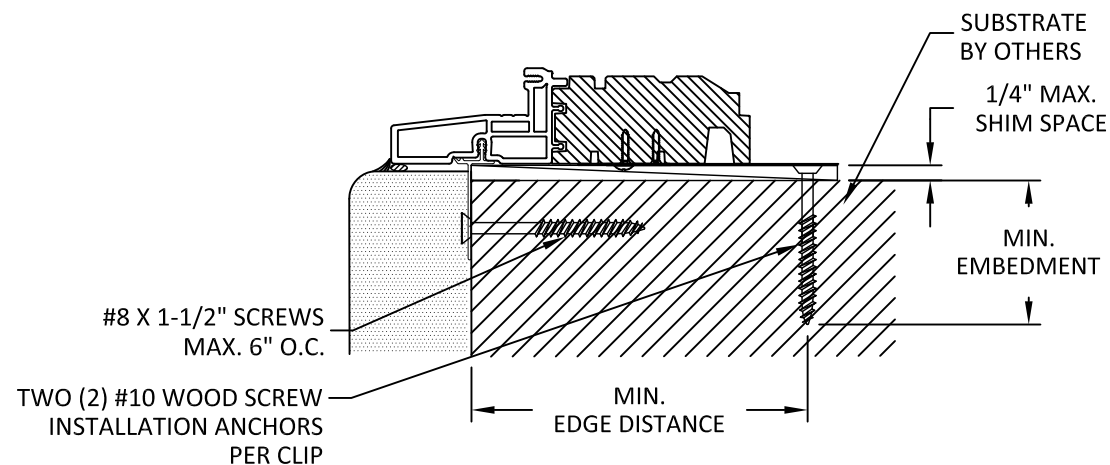
A
5 VERTICAL SECTION
THROUGH INSTALLATION CLIP (HEAD AWNING/ VENTING TRANSOM)

NOTE:

- 1) JAMB FOR AWNING/VENTING TRANSOM & SILL FOR VENTING TRANSOM HAS SIMILAR DETAILS OF INSTALLATION.

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1.000 INCH THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
4. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
5. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
6. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
7. FOR MASONRY OR CONCRETE OPENINGS, A 1X WOOD BUCK MAY BE USED (OPTIONAL) AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE STILL MET WITHIN THE CORRESPONDING HOST SUBSTRATE. SEE GENERAL NOTE #3 ON SHEET 1 FOR MORE INFORMATION.
8. 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.
9. 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.



B
5 VERTICAL SECTION
THROUGH INSTALLATION CLIP (SILL AWNING)

ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE
NAIL FIN	WOOD: MIN. SG = 0.55	#8 WOOD SCREW PAN HEAD	1.5"	0.75"
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	#8 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"
THROUGH INSTALLATION CLIP	WOOD: MIN. SG = 0.55	#10 PAN HEAD WOOD SCREW	1.5"	0.75"
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	#10 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"
	CONCRETE: f _c =3000PSI	3/16" ITW TAPCON FLAT HEAD	1.25"	1.75"
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON FLAT HEAD	1.25"	1.75"



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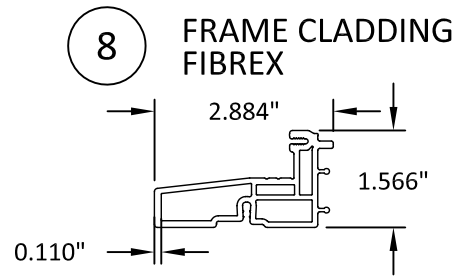
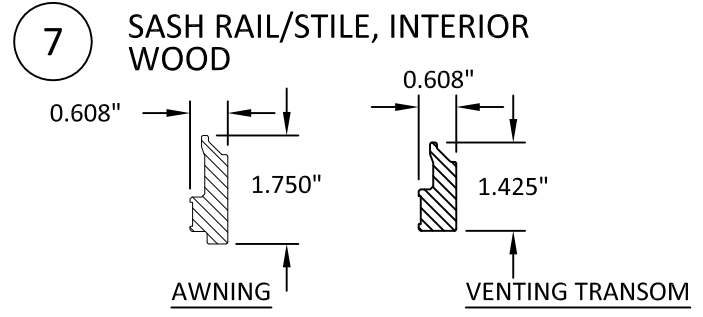
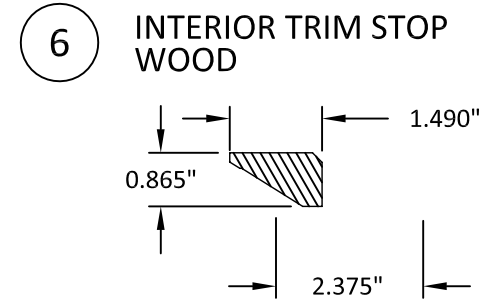
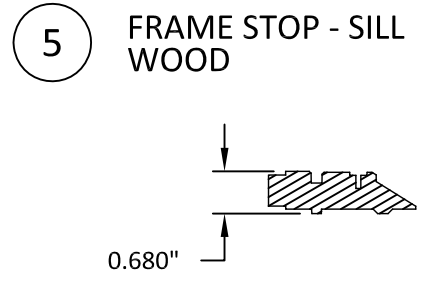
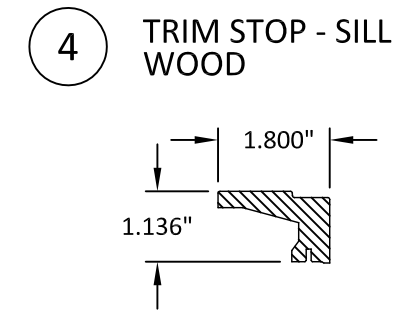
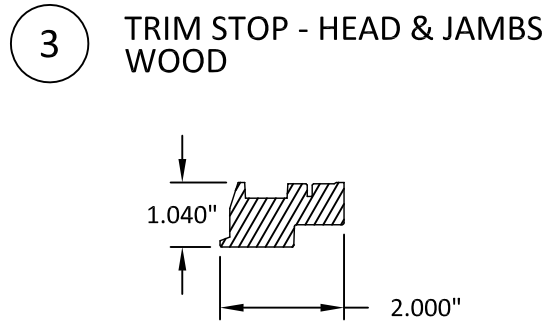
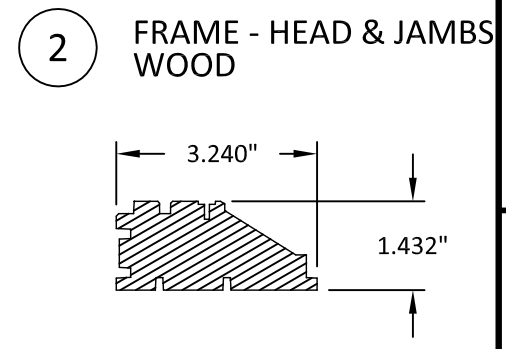
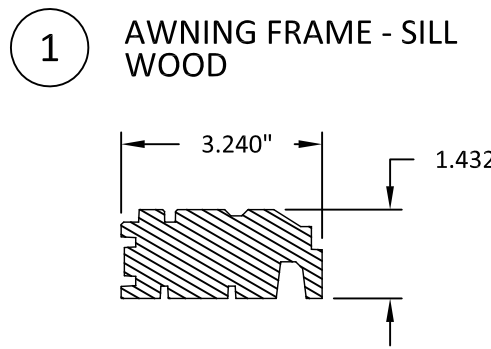
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BILL OF MATERIALS

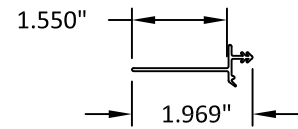
ITEM #	DESCRIPTION	MATERIAL	MANUFACTURER
1	AWNING FRAME - SILL	WOOD	ANDERSEN
2	FRAME - HEAD/JAMBS/SILL	WOOD	ANDERSEN
3	TRIM STOP - HEAD & JAMBS	WOOD	ANDERSEN
4	TRIM STOP - SILL	WOOD	ANDERSEN
5	FRAME STOP - SILL	WOOD	ANDERSEN
6	INTERIOR TRIM STOP	WOOD	ANDERSEN
7	SASH RAIL/STILE, INTERIOR	WOOD	ANDERSEN
8	FRAME CLADDING	FIBREX®	ANDERSEN
9	SASH CLADDING - BOTTOM RAIL	FIBERGLASS	ANDERSEN
10	SASH CLADDING - RAILS/STILES	FIBERGLASS	ANDERSEN
11	NAILING FLANGE	RIGID PVC	ANDERSEN
12	SNUGGER KIT	-	ANDERSEN
13	ROTO-OPERATOR (STRAIGHT OR SPLIT ARM)	-	ANDERSEN
14	-	-	-
15	SWEEP LOCK	-	ANDERSEN
16	LOCK KEEPER	-	ANDERSEN
17	10" HINGE KIT ASSEMBLY	-	ANDERSEN
18	BOTTOM RAIL STIFFENER	GALV. STEEL	ANDERSEN
19	INSTALLATION CLIP	304 SS	ANDERSEN
20	STATIONARY BRACKET	GALV. STEEL	ANDERSEN
21	SLIDE SHOE SUPPORT BRACKET	304 SS	ANDERSEN

NOTE: ALL WOOD COMPONENTS ARE PINE (MIN S.G. = 0.40)

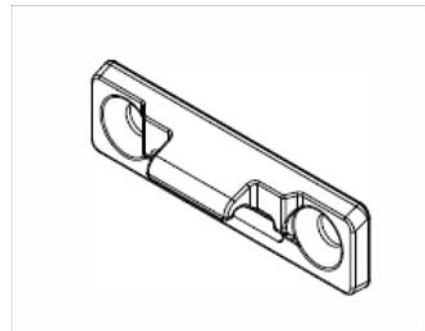


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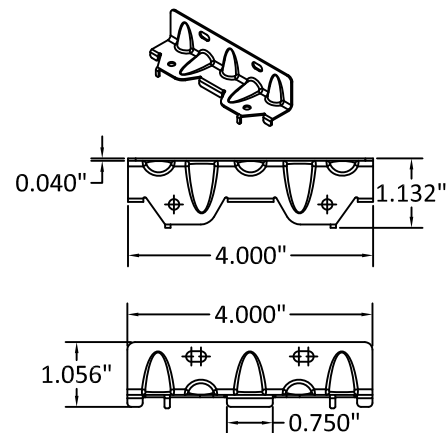
11 NAILING FLANGE RIGID PVC



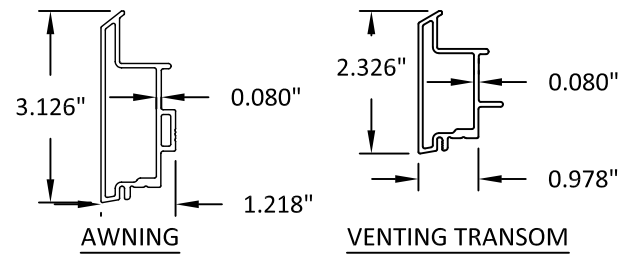
12 SNUGGER KIT



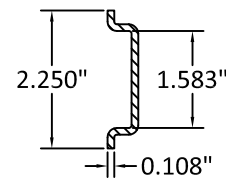
20 STATIONARY BRACKET STEEL



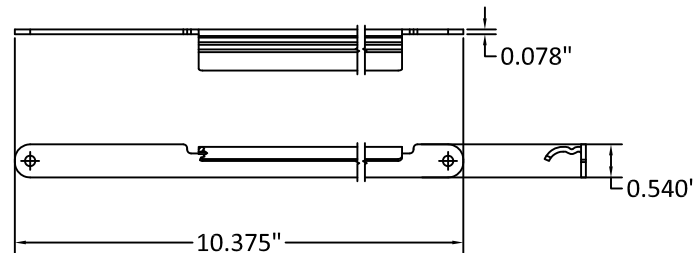
9 SASH CLADDING - BOTTOM RAIL FIBERGLASS



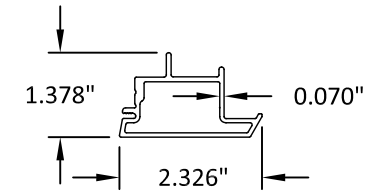
18 BOTTOM RAIL REINFORCING GALV. STEEL



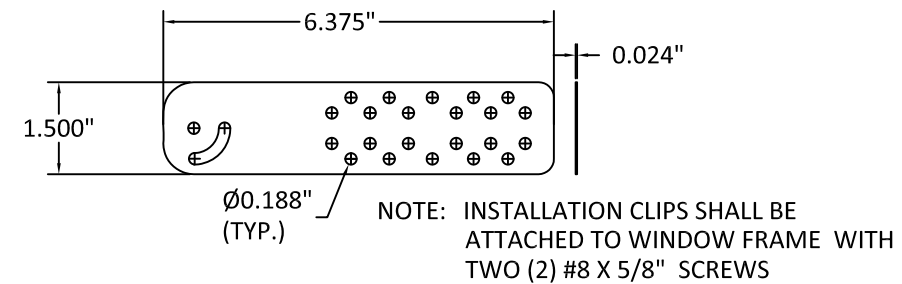
21 SLIDE SHOE SUPPORT BRACKET 304 SS



10 SASH CLADDING - RAILS/STILES FIBERGLASS



19 INSTALLATION CLIP 304 SS



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

TITLE: A-SERIES AWNING WINDOW (IMPACT)
COMPONENTS
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

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



HERMES F. NORERO, P.E.
TEXAS P.E. No 118471
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
TBPE FIRM No. 13734

DATE: 03.13.20
DWG. BY: MS
CHK. BY: HFN
SCALE: NTS
DWG. #: AWD271
SHEET: