ANDERSEN CORPORATION

A-SERIES AWNING & VENTING TRANSOM
PG UPGRADE WINDOW
(NON-IMPACT)

GENERAL NOTES:

1. 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
2. ADEQUACY OF THE EXISTING STRUCTURAL 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.
3. 1X & 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** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. WINDOW FRAME MATERIAL: PONDEROSA PINE *(MIN S.G. = 0.40)*
7. CLADDING MATERIAL: FIBREX ® AND FIBERGLASS
8. IN ACCORDANCE WITH THE IBC/IRC, WOOD COMPONENTS SHALL HAVE BEEN PRESERVATIVE TREATED OR SHALL BE OF A DURABLE SPECIES.
9. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAIL.
10. CONFIGURATION NOTATION:
    - 'X' - OPERABLE VENT
    - 'O' - STATIONARY VENT

OVERALL SIZE		DESIGN PRESSURE	CONFIGURATION	MISSILE IMPACT RATING
WIDTH	HEIGHT			
47 1/4"	47 1/4"	+70/- 70 PSF	'X' OR 'O'	NON-IMPACT
59 1/4"	47 1/4"	+60/- 60 PSF	'X'	NON-IMPACT
71 1/4"	31 1/4"	+60/- 60 PSF	'X'	NON-IMPACT
71 1/4"	31 1/4"	+70/- 70 PSF	'O'	NON-IMPACT
71 1/4"	47 1/4"	+70/- 70 PSF	'O'	NON-IMPACT

GLAZING NOTES

1) GLASS TYPE AND THICKNESS COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. THICKNESS, TEMPER, AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
2) SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A).
3) SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36".
4) D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX. VALUES SHOWN HEREIN.

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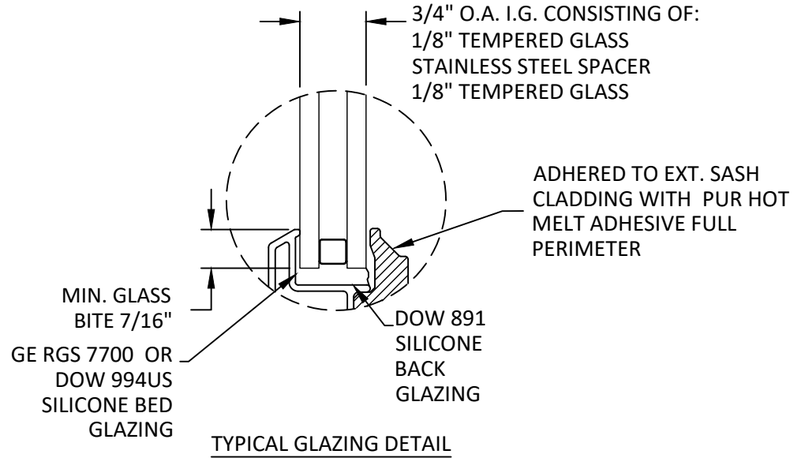
2	ELEVATION, ANCHOR LAYOUTS, & ASSEMBLY NOTES
3	VERTICAL SECTIONS
4	HORIZONTAL SECTION
5	ANCHOR DETAIL & SCHEDULE



TYPICAL GLAZING DETAIL

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

TITLE: A-SERIES AWNING & VENTING TRANSOM PG UPGRADE WINDOW (NON-IMPACT)

INSTALLATION & GENERAL NOTES

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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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2022.08.16 15:04:27 -04'00'

STATE OF TEXAS
HERMES F. NORERO
118471
LICENSED
PROFESSIONAL ENGINEER

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

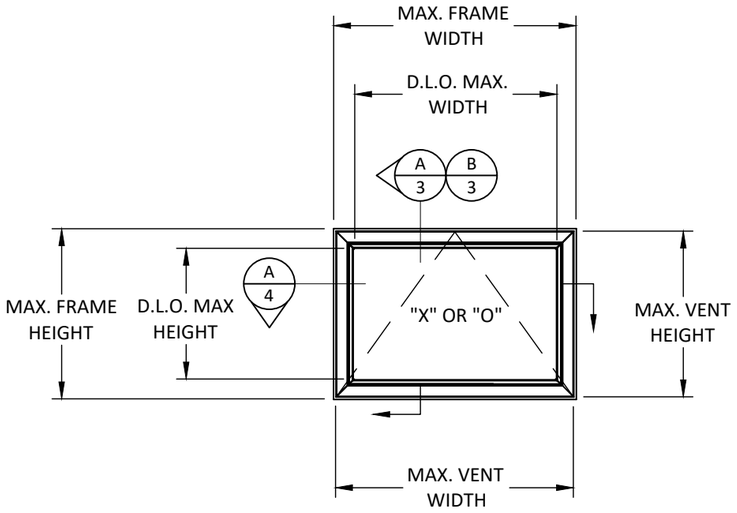
DATE: 06.30.22

DWG. BY: SH | CHK. BY: HFN

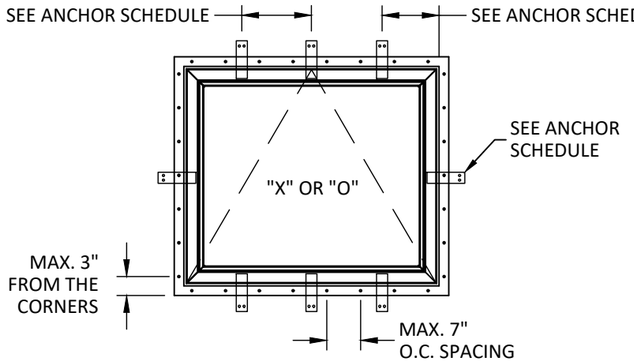
SCALE: NTS

DWG. #: AWD303

SHEET 1 OF 5



ELEVATION

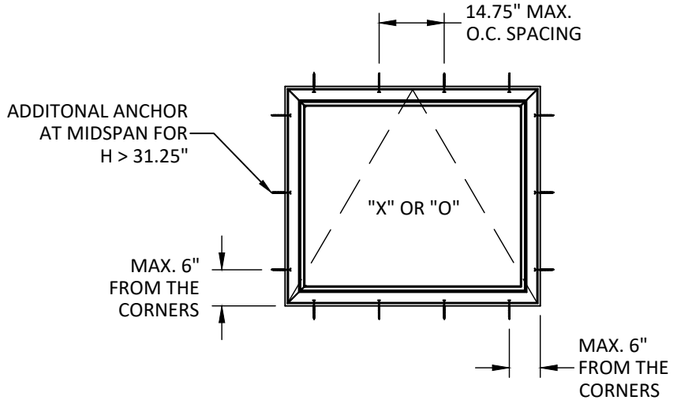


TYPICAL ANCHOR LAYOUT

INSTALLATION CLIP & NAIL FIN

NOTE:
INSTALLATION CLIP AND NAIL FIN MUST BE USED TOGETHER.

ANCHOR LEGEND	
	INSTALLATION CLIP
—	ANCHOR THRU FRAME



TYPICAL ANCHOR LAYOUT

THROUGH FRAME INSTALLATION

SASH HEIGHT = FRAME HEIGHT - 2"
SASH WIDTH = FRAME WIDTH - 2"
D.L.O. HEIGHT = FRAME HEIGHT - 7 7/16"
D.L.O. WIDTH = FRAME WIDTH - 6 11/16"

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 FRAME 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 STIFFENER INSERTED LOOSELY INTO INTERNAL CAVITY OF RAIL FOR ALL UNITS EQUAL TO OR LARGER IN WIDTH AND / OR HEIGHT THAN 47.25" X 47.25"

ANCHOR SCHEDULE - HEAD/SILL		
WIDTH (W)	**DESCRIPTION**	**TOTAL QUANITITY**
W > 47.25"	USE ONE CLIP 12" FROM EACH CORNER AND ONE AT MIDSPAN	3
28.25" < W ≤ 47.25"	USE ONE CLIP 12" FROM EACH CORNER	2
W ≤ 28.25"	USE ONE CLIP AT MIDSPAN	1

ANCHOR SCHEDULE - JAMBS		
HEIGHT (H)	**DESCRIPTION**	**TOTAL QUANITITY**
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 ≤ 47" & W ≤ 47"	SNUGGERS	1
X or O	H ≤ 47" & W ≤ 59"	SNUGGERS	1
X or O	H ≤ 31" & W ≤ 71"	SNUGGERS	2
X or O	H ≤ 47" & W ≤ 71"	SNUGGERS	2

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ELEVATIONS, ANCHOR LAYOUTS, & ASSEMBLY NOTES

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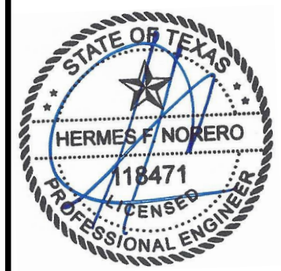
REMARKS	BY	DATE



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SCALE: NTS

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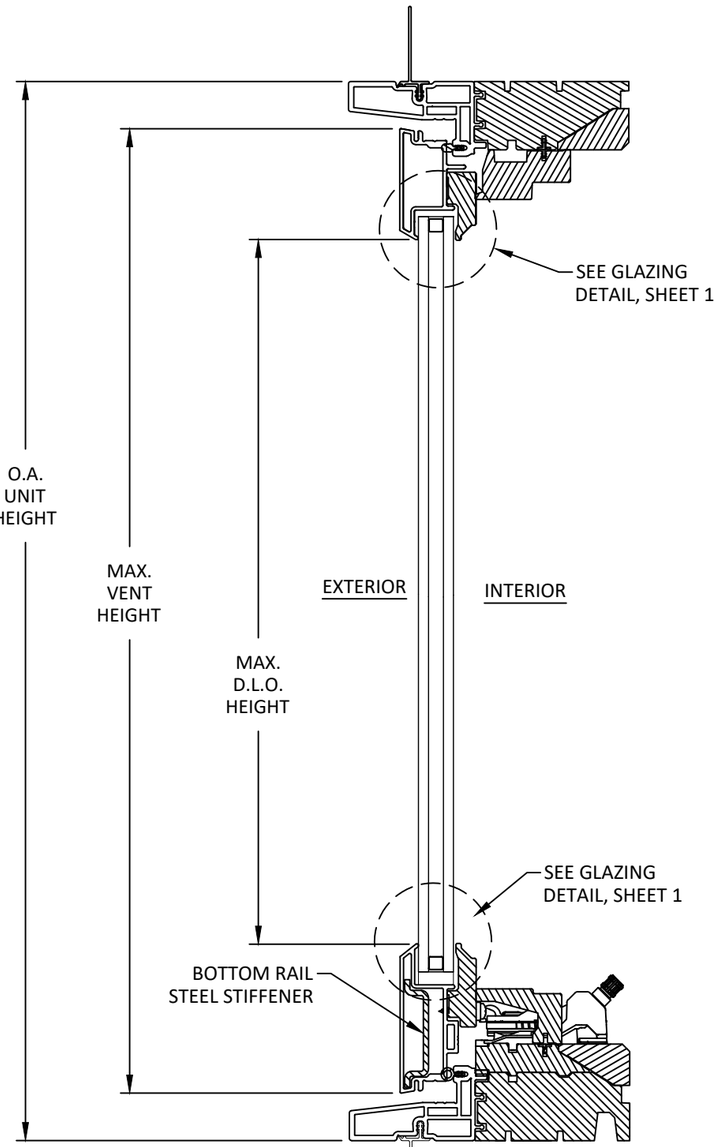
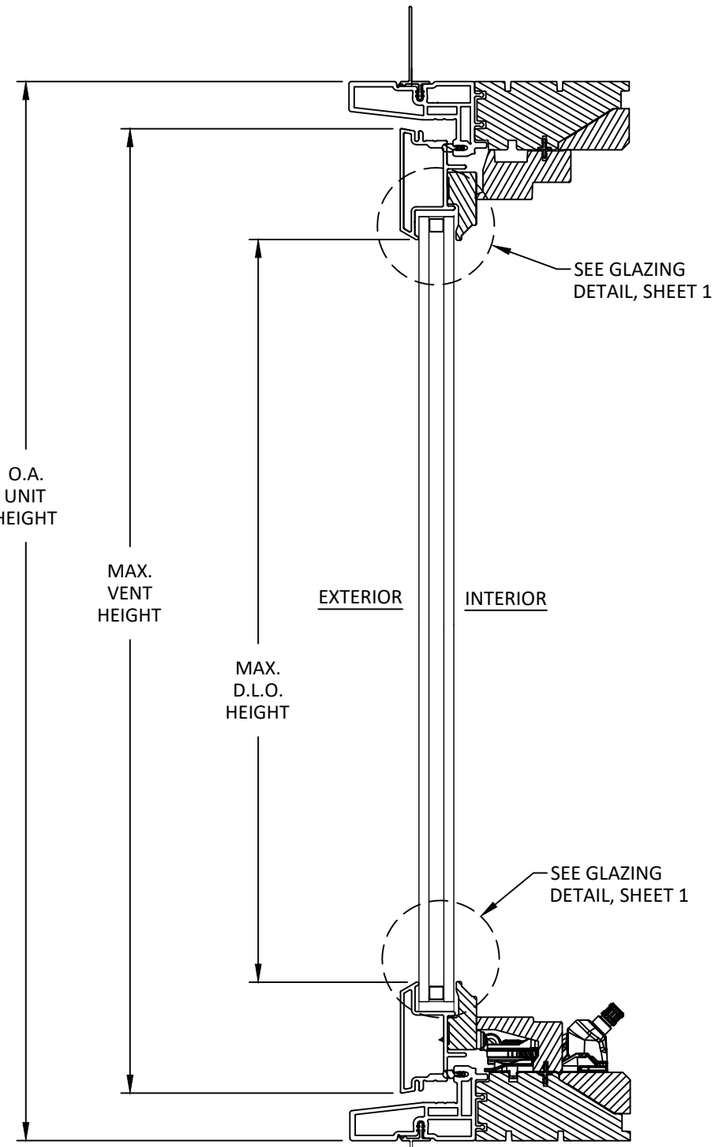
SHEET 2 OF 5



A/3 VERTICAL SECTION

AWNING
OPERABLE WINDOW



B/3 VERTICAL SECTION

VENTING TRANSOM
OPERABLE WINDOW

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VERTICAL SECTIONS

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BUILDING DROPS

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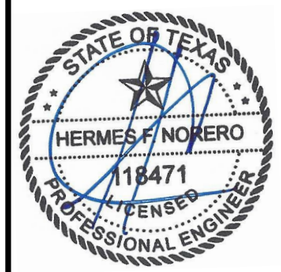

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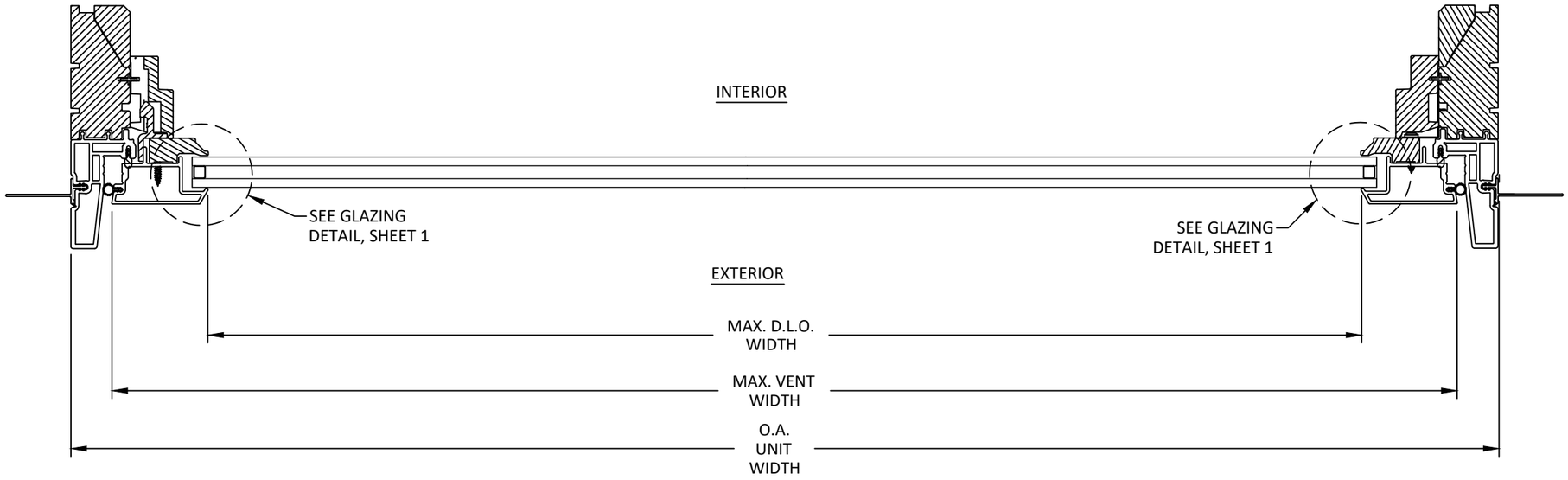
SHEET 3 OF 5



A/4 **HORIZONTAL SECTION**

AWNING/VENTING TRANSOM OPERABLE WINDOW

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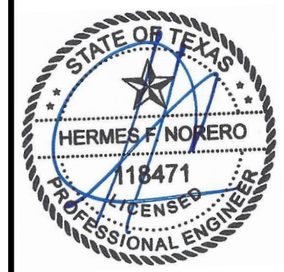

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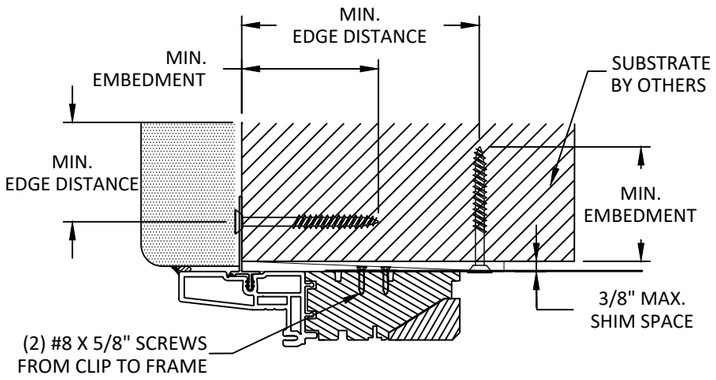
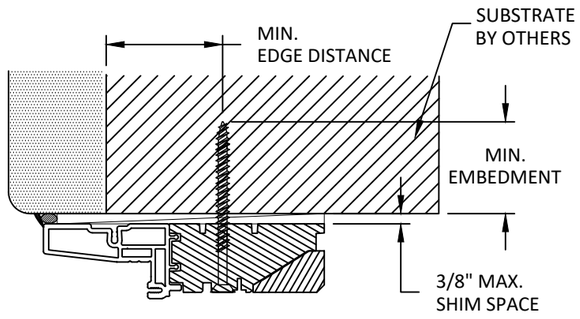
SHEET 4 OF 5



NOTE:
JAMB FOR AWNING/VENTING TRANSOM & SILL FOR VENTING TRANSOM HAS SIMILAR DETAILS OF INSTALLATION.

A/5 VERTICAL SECTION

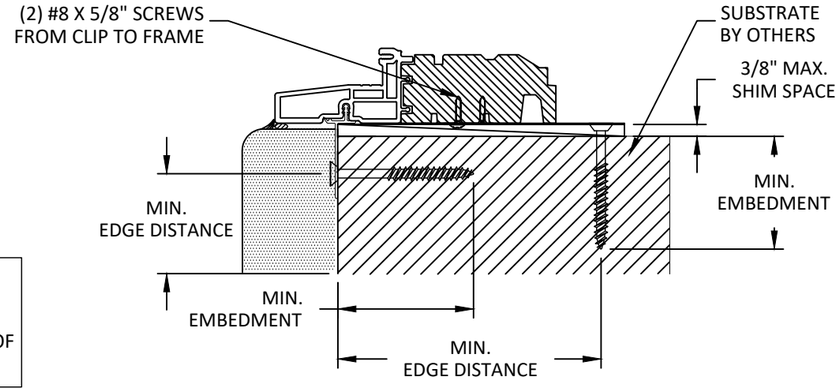
THROUGH INSTALLATION CLIP & NAIL FIN (HEAD AWNING/ VENTING TRANSOM)



NOTE:
JAMB FOR AWNING/VENTING TRANSOM & SILL FOR VENTING TRANSOM HAS SIMILAR DETAILS OF INSTALLATION.

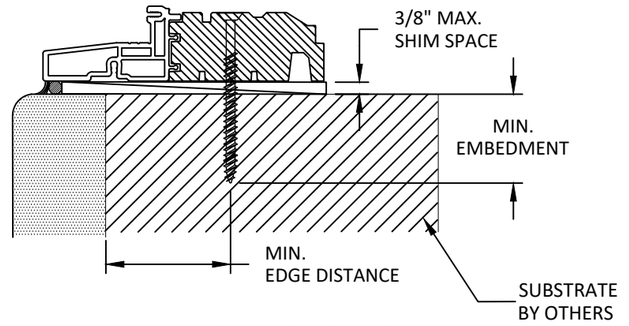
C/5 VERTICAL SECTION

THROUGH FRAME (HEAD AWNING/ VENTING TRANSOM)



B/5 VERTICAL SECTION

THROUGH INSTALLATION CLIP & NAIL FIN (SILL AWNING)



D/5 VERTICAL SECTION

THROUGH FRAME (SILL AWNING)

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 3/8 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. 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.

ANCHOR SCHEDULE

METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE	SPACING
NAIL FIN	WOOD: MIN. SG = 0.42	#8 WOOD SCREW PAN HEAD	1.50"	0.75"	3" FROM CORNERS 7" ON CENTER
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	#8 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"	
THROUGH INSTALLATION CLIP	WOOD: MIN. SG = 0.42	#10 PAN HEAD WOOD SCREW	1.50"	0.75"	SEE SCHEDULE ON SHEET 2
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	#10 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"	
THROUGH FRAME	WOOD: MIN. SG = 0.42	#10 WOOD SCREW	1.50"	1.00"	SEE ELEVATION ON SHEET 2
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	#10 TEK SELF-TAP	3 THREADS MIN PENETRATION BEYOND METAL	0.50"	
	CONCRETE: f'c=3000PSI	3/16" ITW TAPCON	1.25"	2.00"	
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON	1.25"	2.00"	

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ANCHOR DETAIL & SCHEDULE

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SHEET 5 OF 5