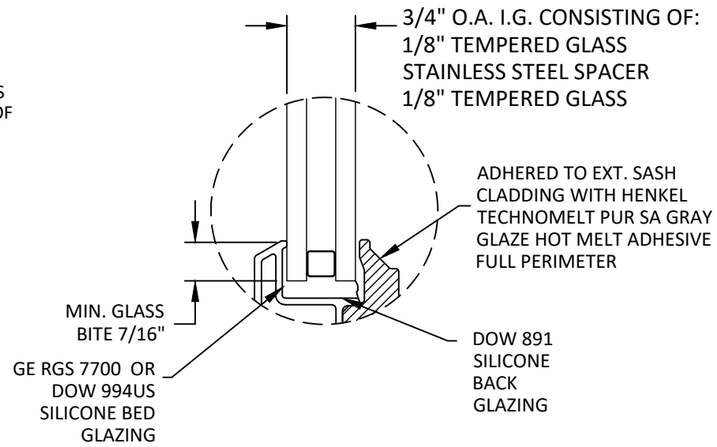
ANDERSEN CORPORATION

A-SERIES CASEMENT 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 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.
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 SASH
    - 'O' - STATIONARY SASH

OVERALL SIZE		DESIGN PRESSURE	CONFIGURATION	MISSILE IMPACT RATING
WIDTH	HEIGHT			
35 1/4"	95 1/4"	+70/- 70 PSF	'X' OR 'O'	NON-IMPACT
39 1/4"	95 1/4"	+60/- 60 PSF	'X'	NON-IMPACT
47 1/4"	46 1/8"	+60/- 60 PSF	'X'	NON-IMPACT
47 1/4"	46 1/8"	+70/- 70 PSF	'O'	NON-IMPACT
47 1/4"	47 1/4"	+70/- 70 PSF	'X' OR 'O'	NON-IMPACT
41 1/4"	71 1/4"	+60/- 60 PSF	'X'	NON-IMPACT
47 1/4"	71 1/4"	+60/- 60 PSF	'O'	NON-IMPACT
47 1/4"	95 1/4"	+60/- 60 PSF	'O'	NON-IMPACT



TYPLICAL GLAZING DETAIL

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1	INSTALLATION & GENERAL NOTES
2	ELEVATIONS & ASSEMBLY NOTES
3	ANCHOR LAYOUTS
4	VERTICAL SECTIONS
5	HORIZONTAL SECTION
6	ANCHOR DETAILS

GLAZING NOTES

1) GLASS TYPE AND THICKNESS COMPLIES WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE IBC. 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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TITLE: A-SERIES CASEMENT PG UPGRADE WINDOW (NON-IMPACT) INSTALLATION & GENERAL NOTES

PREPARED BY: BUILDING DROPS, INC.
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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 18:03:22 -04'00'

STATE OF TEXAS
HERMES F NORERO
118471
LICENSED
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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: 06.30.22
DWG. BY: SH
CHK. BY: HFN
SCALE: NTS
DWG. #: AWD302
SHEET 1 OF 6

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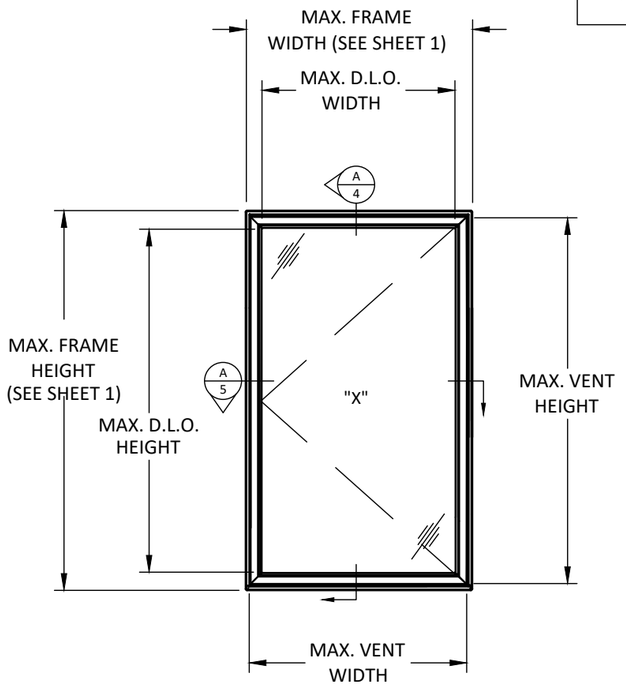
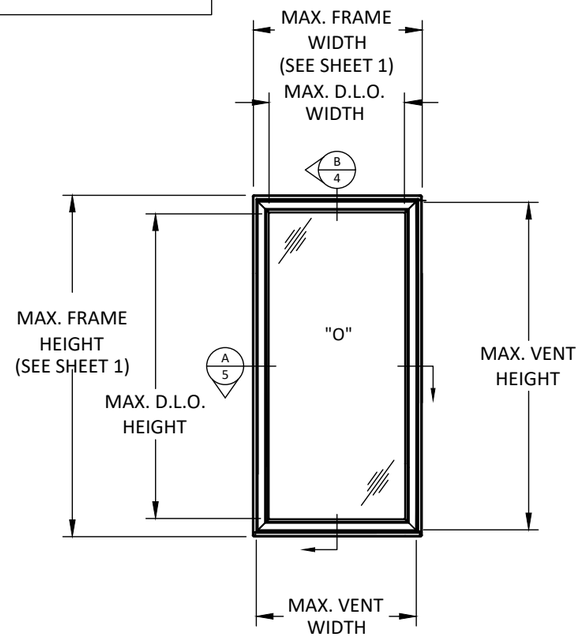
NOTES:
1) OPERABLE UNITS MAY BE EITHER LH OR RH OUTSWING OPERABLE CASEMENT WINDOWS.
2) SEE HARDWARE SCHEDULE BELOW FOR HARDWARE OPTIONS AND QUANTITY.



ELEVATION
OPERABLE

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



ELEVATION
STATIONARY

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

ASSEMBLY NOTES:
1) LOCK KEEPERS SHALL BE FASTENED TO SASH WITH TWO #7 X 1-1/16" SCREWS.
2) STATIONARY BRACKETS SHALL BE FASTENED WITH FOUR #8 X 1" SCREWS; TWO THROUGH BRACKET TO SASH, TWO THROUGH BRACKET TO JAMB.
3) SNUGGER SETS AT HINGE JAMBS SHALL BE FASTENED TO SASH AND FRAME WITH FOUR #7 X 3/4" SCREWS, TWO THROUGH SNUGGER TO FRAME, AND TWO THROUGH SNUGGER TO SASH.
4) INTERIOR STOPS SHALL BE SECURED WITH 7/32" X 1" STAPLES 3" FROM CORNERS AND 7" O.C. THEREAFTER.
5) TRIM STOPS SHALL BE SECURED WITH VINYL SPLINE.
6) WOOD FRAME MEMBERS SHALL BE BONDED TO EXTERIOR FRAME CLADDING WITH HOT MELT ADHESIVE.
7) TOP AND BOTTOM RAILS TO HAVE GALVANIZED STEEL STIFFENERS INSERTED LOOSELY INTO INTERNAL CAVITY OF RAILS. FOR UNITS EQUAL TO OR SMALLER THAN 47.25" X 47.25", NO STIFFENER IS REQUIRED.
8) LEFT HAND AND RIGHT HAND STILE TO HAVE GALVANIZED STEEL STIFFENERS INSERTED LOOSELY INTO CAVITY OF STILES. FOR ALL UNITS TALLER THAN 46.125"

HARDWARE SCHEDULE			
UNIT TYPE	HEIGHT	HARDWARE	QUANTITY
X	95.25" ≥ H > 71.25"	SNUGGERS	3
		LOCK SYSTEM	4-POINT
		STATIONARY BRACKETS	4
X	71.25" ≥ H > 46.125"	SNUGGERS	2
		LOCK SYSTEM	3-POINT
X	H ≤ 46.125"	SNUGGERS	1
		LOCK SYSTEM	2-POINT
O	95.25" ≥ H > 71.25"	SNUGGERS	3
		STATIONARY BRACKETS	8 (4 EACH SIDE)
O	71.25" ≥ H > 46.125"	SNUGGERS	2
		STATIONARY BRACKETS	6 (3 EACH SIDE)
O	H ≤ 46.125"	SNUGGERS	1
		STATIONARY BRACKETS	4 (2 EACH SIDE)

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ELEVATIONS & ASSEMBLY NOTES

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REMARKS	BY	DATE

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TBPE FIRM No. 13734

DATE: 06.30.22
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CHK. BY: HFN
SCALE: NTS
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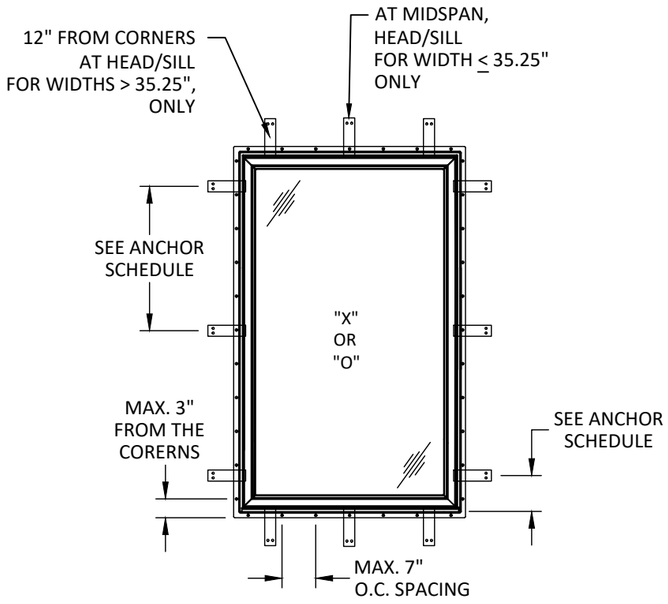
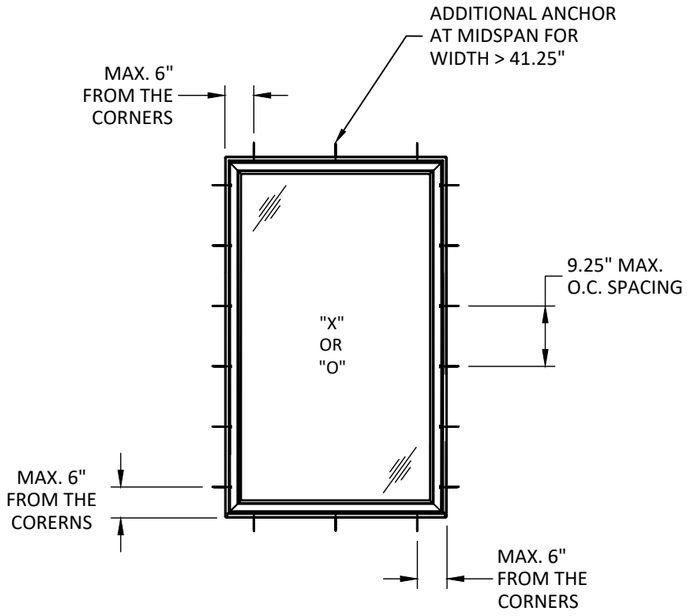


ANCHOR LEGEND	
	INSTALLATION CLIP
	ANCHOR THRU FRAME



TYPICAL ANCHOR LAYOUT

INSTALLATION CLIP & NAIL FIN

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

ANCHOR SCHEDULE - JAMBS		
HEIGHT (H)	DESCRIPTION	QUANTITY
71.25" < H ≤ 95.25"	USE FOUR CLIPS PER SIDE	4
46.125" < H ≤ 71.25"	USE THREE CLIPS PER SIDE	3
28.25" < H ≤ 46.125"	USE TWO CLIPS PER SIDE	2
H ≤ 28.25"	USE ONE CLIP AT MIDSPAN PER SIDE	1
ANCHOR SCHEDULE - HEAD & SILL		
WIDTH (W)	DESCRIPTION	QUANTITY
W ≤ 35.25"	USE ONE CLIP AT MIDSPAN	1
W > 35.25"	USE TWO CLIPS 12" FROM EA. CORNER	2

TYPICAL ANCHOR LAYOUT

THROUGH FRAME INSTALLATION

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TITLE: A-SERIES CASEMENT PG UPGRADE WINDOW (NON-IMPACT) ANCHOR LAYOUTS

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SCALE: NTS

DWG. #: AWD302

SHEET 3 OF 6

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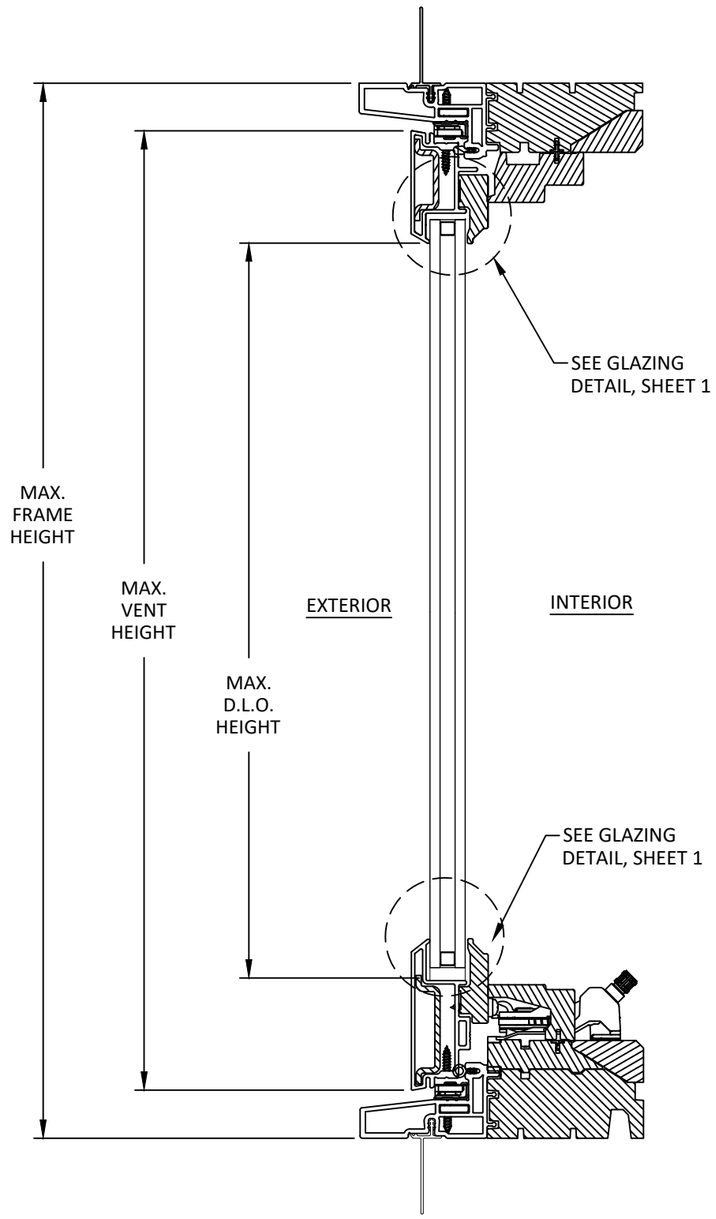
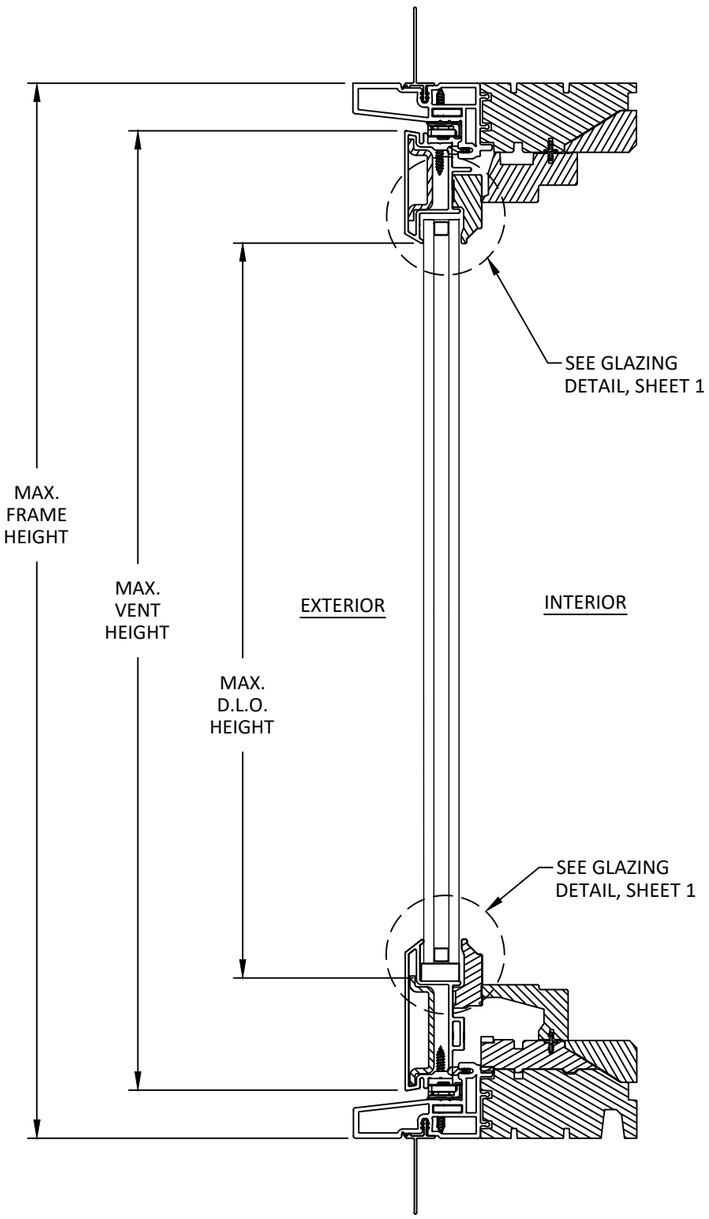


A/4 **VERTICAL SECTION**
OPERABLE CASEMENT



B/4 **VERTICAL SECTION**
FIXED CASEMENT

ANDERSEN
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100 FOURTH AVE NORTH
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TITLE: A-SERIES CASEMENT PG UPGRADE WINDOW (NON-IMPACT) VERTICAL SECTIONS

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BUILDING DROPS

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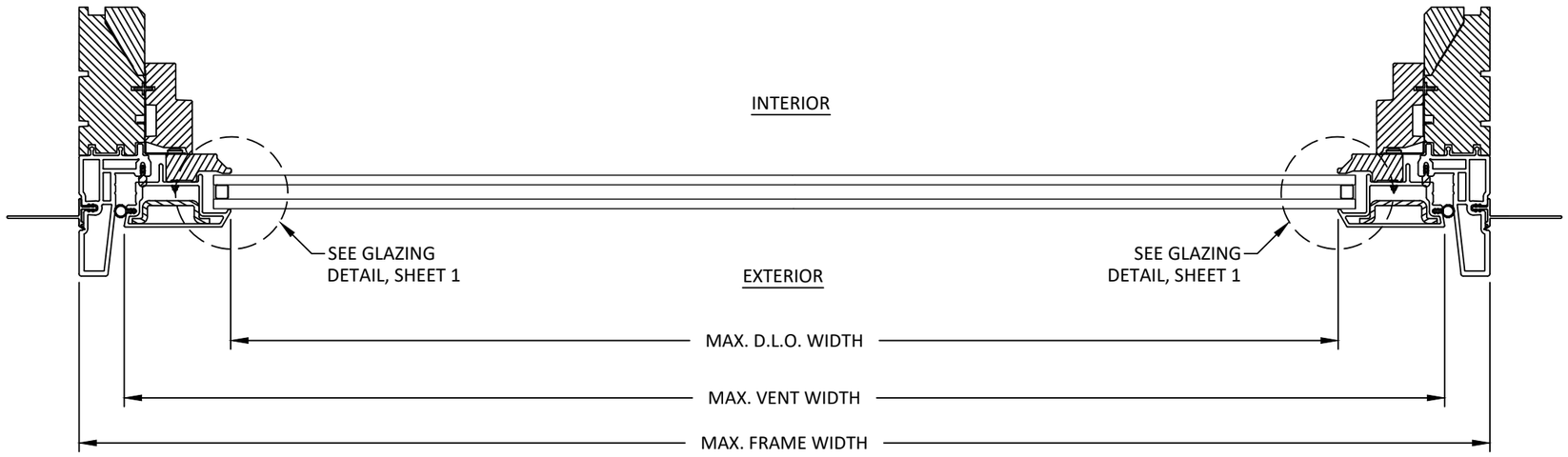

A/5 HORIZONTAL SECTION

OPERABLE AND FIXED CASEMENT

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HORIZONTAL SECTION

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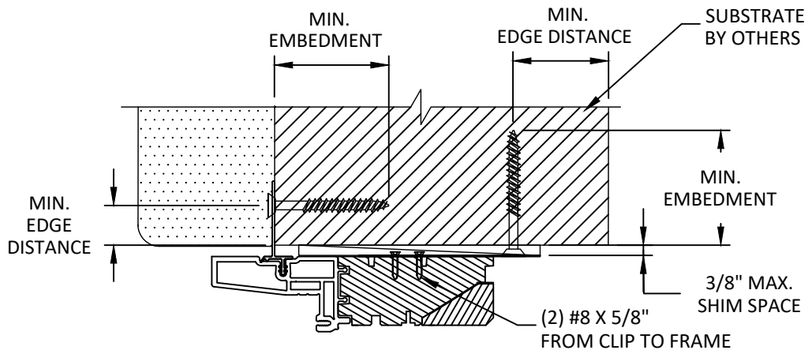
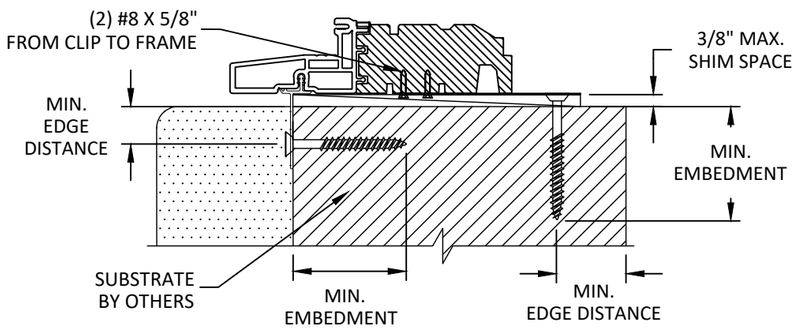
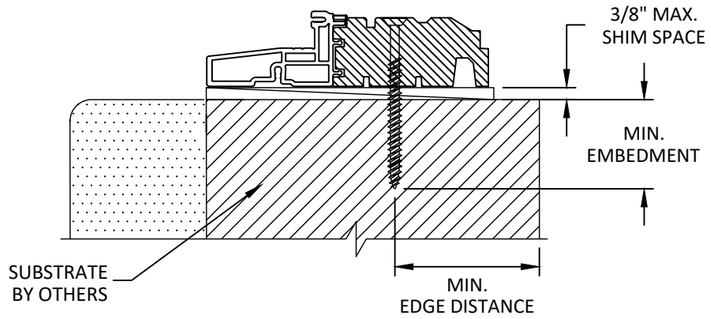


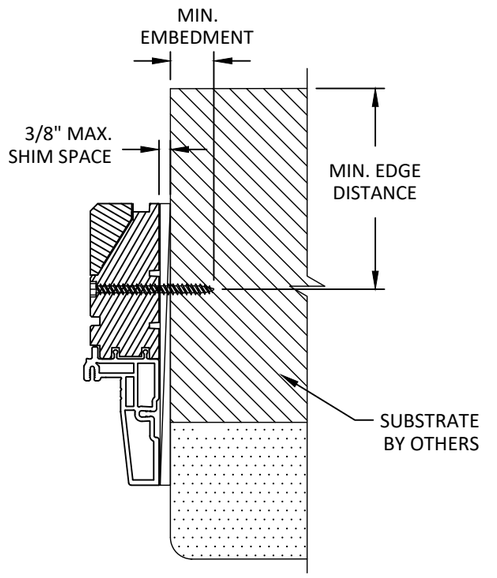
A/6 VERTICAL SECTION
THROUGH INSTALLATION CLIP & NAIL FIN (HEAD/JAMB)



B/6 VERTICAL SECTION
THROUGH INSTALLATION CLIP & NAIL FIN (SILL)



C/6 VERTICAL SECTION
THROUGH FRAME (SILL)



D/6 HORIZONTAL SECTION
THROUGH FRAME (JAMB/HEAD)

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 3
	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 3
	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"	

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.

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