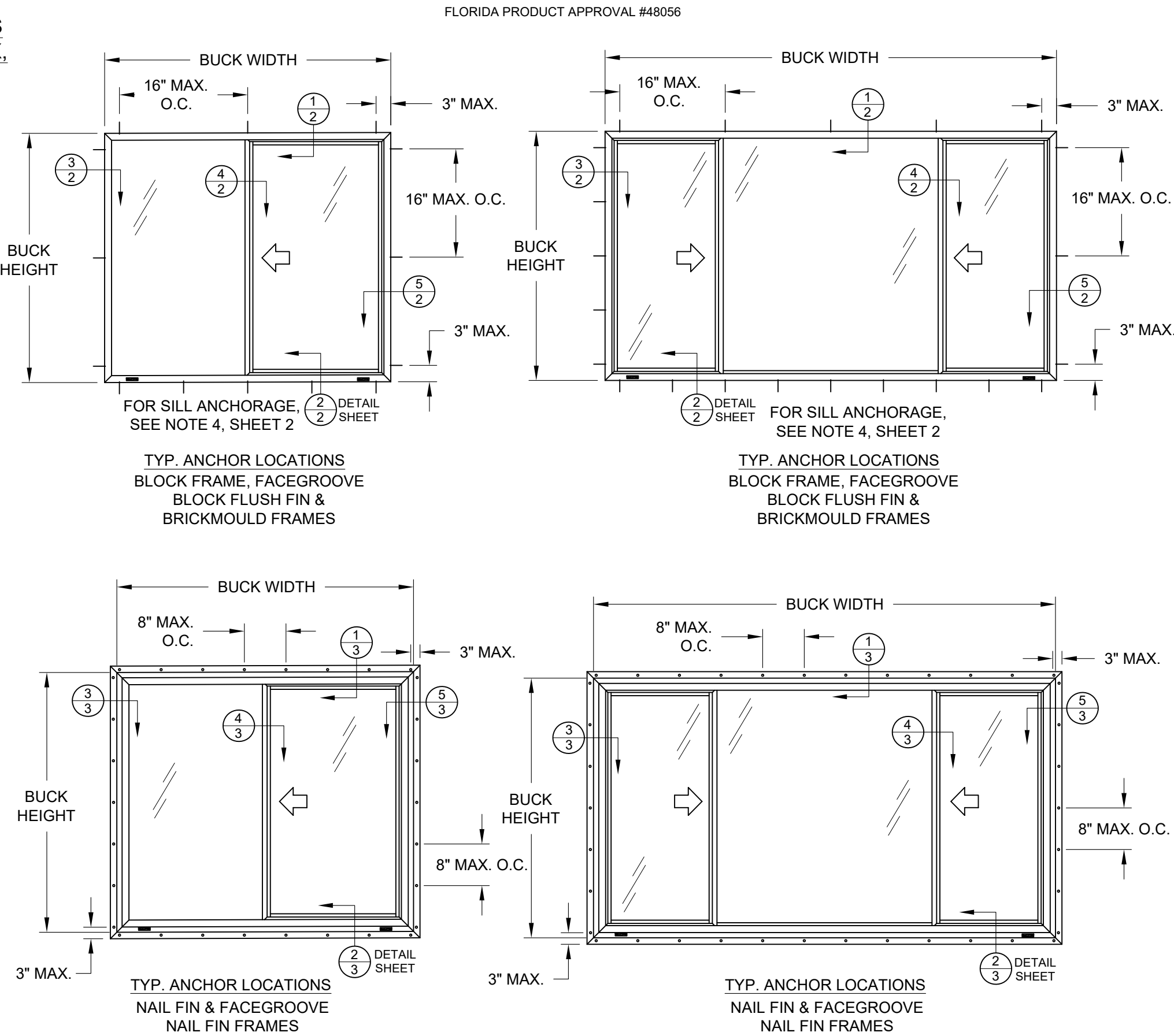


DELMAR SERIES & CATALINA SERIES
NON-IMPACT RESISTANT, XO/OX/XOX,
HORIZONTAL SLIDER WINDOW

- 1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, EXCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2) SHUTTERS ARE REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.
- 3) MASONRY ANCHORS MAY BE USED INTO WOOD. ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER.
- 4) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH.
- 5) MAX. 1/4" SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS.
- 6) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WIND LOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.

TABLE 1:

Buck Size	Configuration	Rating	CPD No.
96" x 72"	XO/OX	R-PG20	10074
120" x 65"	XOX	R-PG20	10166
144" x 72"	XOX	R-PG20	10167



DESIGN PRESSURE RATING

R-PG20

NOT RATED FOR MISSILE IMPACT RESISTANCE

PREPARED BY A. LYNN MILLER
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HS-FL APP -2

1 OF 3

DELMAR & CATALINA

VINYL HORIZONTAL SLIDER, XO/OX/XOX

ANCHOR ELEVATIONS/NOTES

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STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

1 FACEGROOVE BLOCK FRAME, HEAD INTO 2X WOOD OR MASONRY

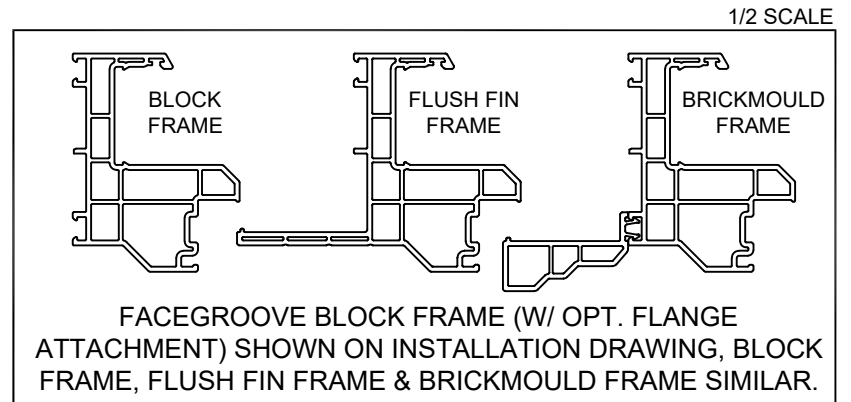
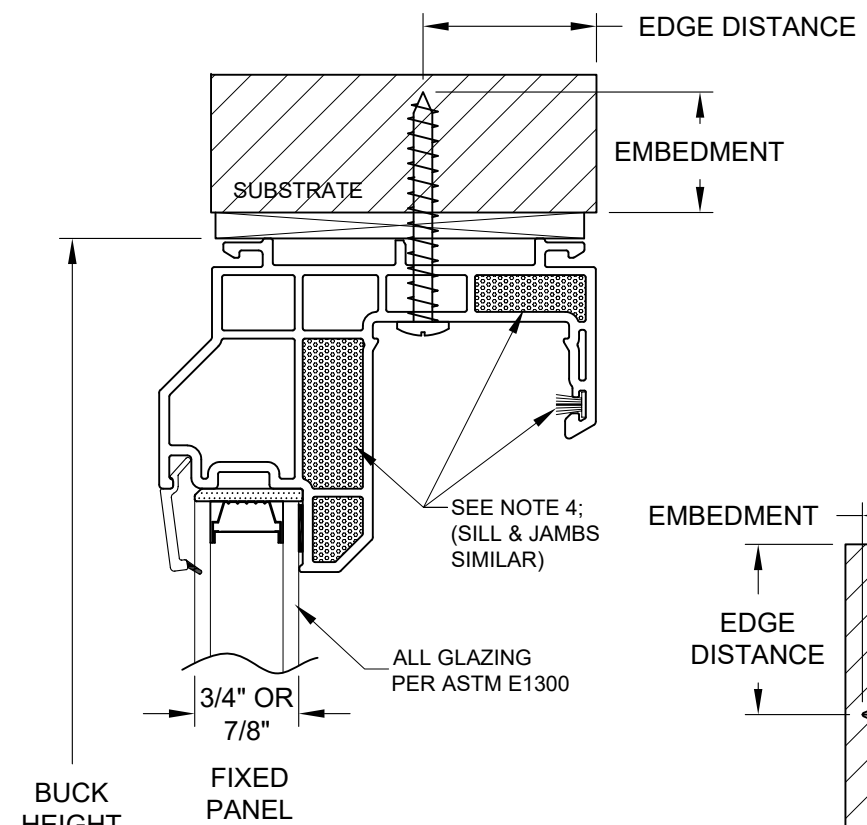
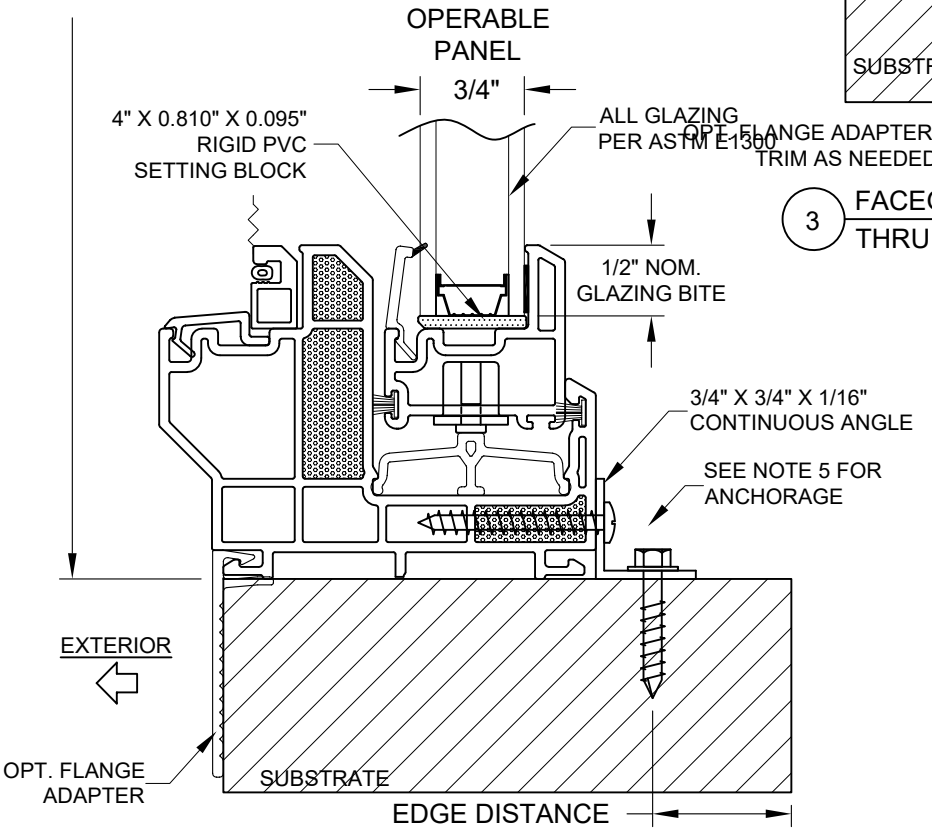


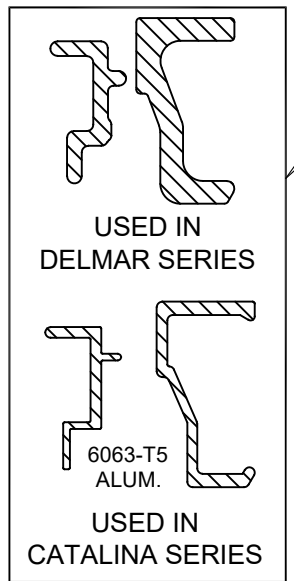
TABLE 2:

Anchor	Substrate	Minimum Edge Distance	Minimum Embedment
#8 Steel SMS	Wood	7/16"	1-3/8"
	Aluminum, 6063-T5 min.	1/4"	0.050"
	Steel Stud, Gr. 33 min.	3/8"	0.0345" (20 Ga)
	A36 Steel	3/8"	0.0345" (20 Ga)
3/16" Masonry Anchor	Concrete (min. 2.9 ksi)	1"	1-3/4"
	UngROUTED CMU, (ASTM C-90)	1"	1-1/4"
	Wood	1"	1-3/8"

- 1) ANCHOR MUST EXTEND A MINIMUM OF 3 THREADS BEYOND ANY METAL SUBSTRATE.
2) "UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.
3) ALL ANCHOR HEAD TYPES ARE APPLICABLE.

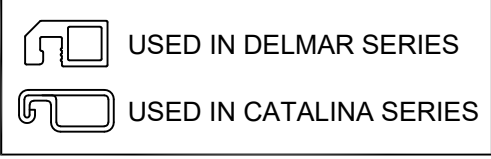
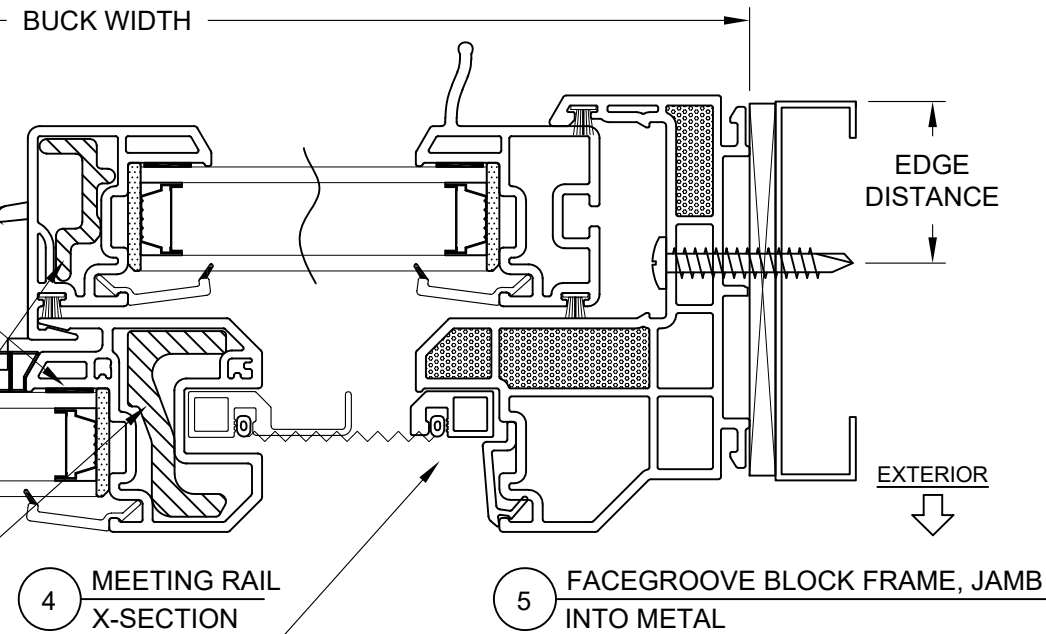


3 FACEGROOVE BLOCK FRAME, JAMB THRU 1X INTO 2X WOOD OR MASONRY



INSTALLATION NOTES:

- 1) DOWSIL 1199 SILICONE BACKBEDDING AT ALL GLAZING LEGS EXCEPT WHERE TAPE-GLAZING IS NOTED.
- 2) ANY INSTALLATION OPTION SHOWN (2X BUCK OR WOOD FRAMING, 1X BUCK, DIRECT TO MASONRY, STEEL STUD) MAY BE USED ON ANY SIDE OF THE WINDOW. OX SHOWN, XO & XOX SIMILAR.
- 3) USE ONLY SUBSTRATE APPROPRIATE ANCHORS LISTED IN THE ANCHOR TABLE. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. MAX. SHIM THICKNESS TO BE 1/4".
- 4) DELMAR SERIES USES INNERGY COMPOSITE REINFORCEMENTS, AN EXTRUDED SCREEN FRAME, FOAM-FILLED WINDOW FRAME AND ADDITIONAL WEATHERSTRIP AS SHOWN IN THE ABOVE DRAWING.
- 5) INSTALL #10 X 1-1/2" THROUGH ANGLE INTO DOOR SILL @ MAX 3" FROM EACH END AND 12" O.C.; USE APPROPRIATE INSTALLATION ANCHOR THROUGH ANGLE INTO SUBSTRATE @ MAX 3" FROM EACH END AND 16" O.C.



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By

HS-FL APP -2
DWG No.

2 OF 3
Sheet

VINYL HORIZONTAL SLIDER, XO/OX/XOX
Title

X-SECTIONS DETAILS
Desc

DELMAR & CATALINA
Series

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No. 58705
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PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

1 1" OFFSET NAILING FIN FRAME, HEAD INTO 2X WOOD

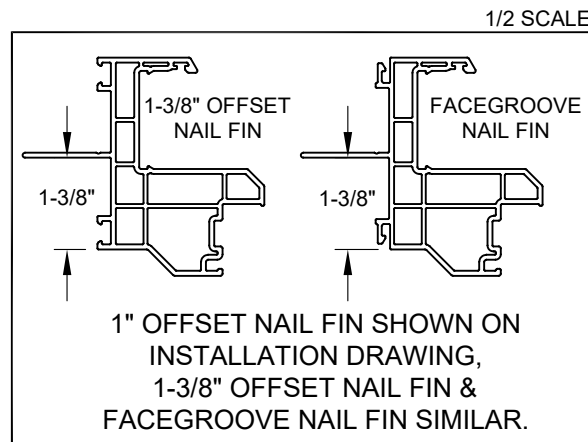
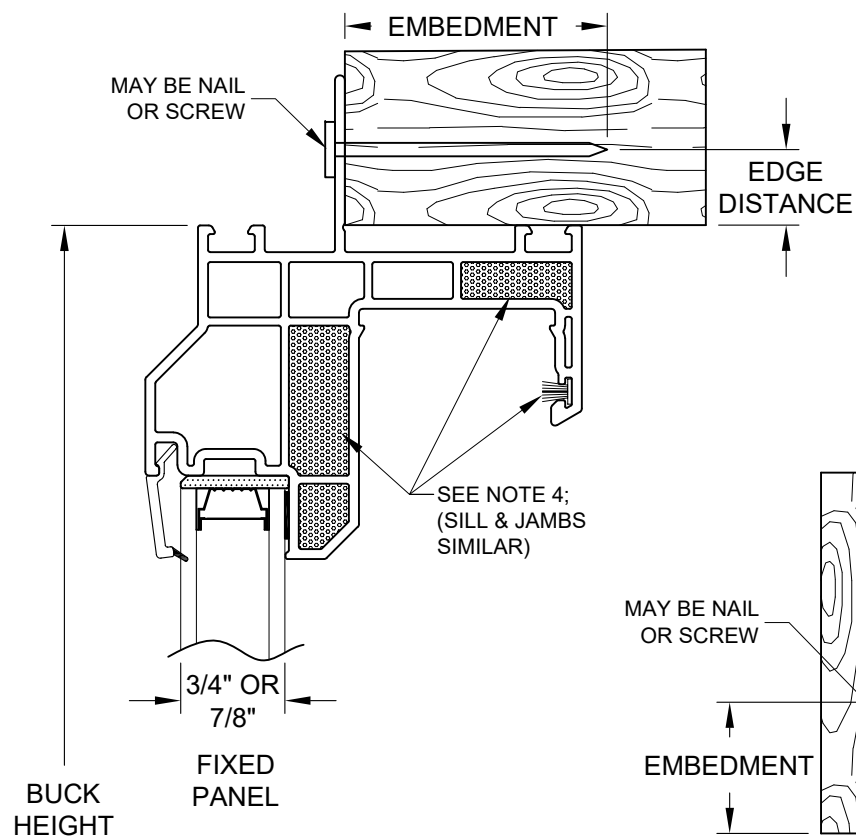
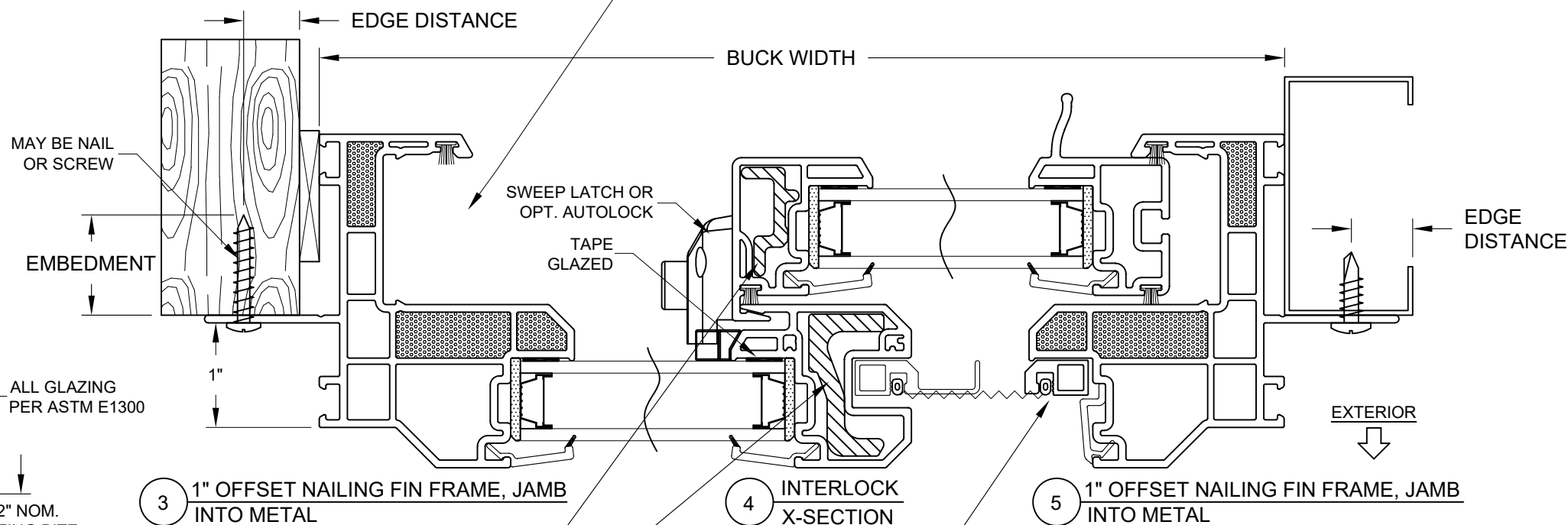


TABLE 3:

Anchor	Substrate	Min. Edge Distance	Min. Embedment
#6 x 1-5/8" Drywall Screw	Wood	3/8"	1-3/8"
2-1/2" x .145" Roofing Nail	Wood	3/8"	2-7/16"
#8 Steel SMS	Wood	1/2"	1-3/8"
	Aluminum, 6063-T5 min.	3/8"	1/8"
	Steel Stud, Gr. 33 min.	3/8"	0.0346" (20 Ga)
	A36 Steel	3/8"	0.0346" (20 Ga)

- 1) ANCHOR MUST EXTEND A MINIMUM OF 3 THREADS BEYOND ANY METAL SUBSTRATE.
2) ALL ANCHOR HEAD TYPES ARE APPLICABLE.

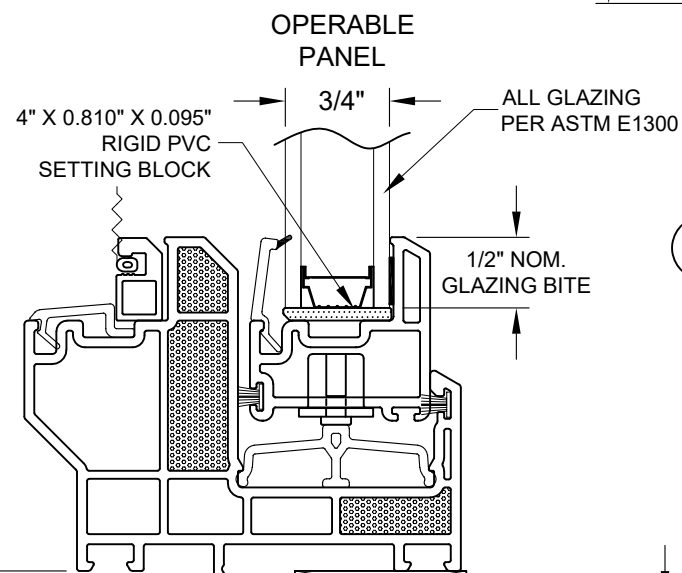
EDGE DISTANCE



3 1" OFFSET NAILING FIN FRAME, JAMB INTO METAL

4 INTERLOCK X-SECTION

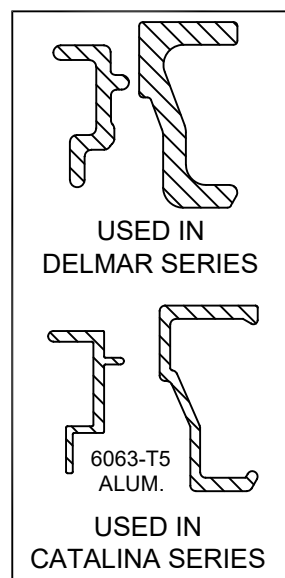
5 1" OFFSET NAILING FIN FRAME, JAMB INTO METAL



3 1" OFFSET NAILING FIN FRAME, JAMB INTO METAL

4 INTERLOCK X-SECTION

5 1" OFFSET NAILING FIN FRAME, JAMB INTO METAL



INSTALLATION NOTES:

- 1) SEE SHEET 1 FOR SPACING REQUIREMENTS. MAX. SHIM THICKNESS TO BE 1/4". MAX. SHIM SPACING TO BE 18". DOWSIL 1199 SILICONE BACKBEDDING AT ALL GLAZING LEGS EXCEPT WHERE TAPE-GLAZING IS NOTED.
- 2) FIN MAY BE REMOVED TO CREATE OTHER FRAME TYPES.
- 3) USE ONLY SUBSTRATE APPROPRIATE ANCHORS LISTED IN ANCHOR TABLE. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY OR ALL SIDES OF THE WINDOW. OX SHOWN, XO & XOX SIMILAR.
- 4) DELMAR SERIES USES INNERGY COMPOSITE REINFORCEMENTS, AN EXTRUDED SCREEN FRAME, FOAM-FILLED WINDOW FRAME AND ADDITIONAL WEATHERSTRIP AS SHOWN IN THE ABOVE DRAWING.

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