

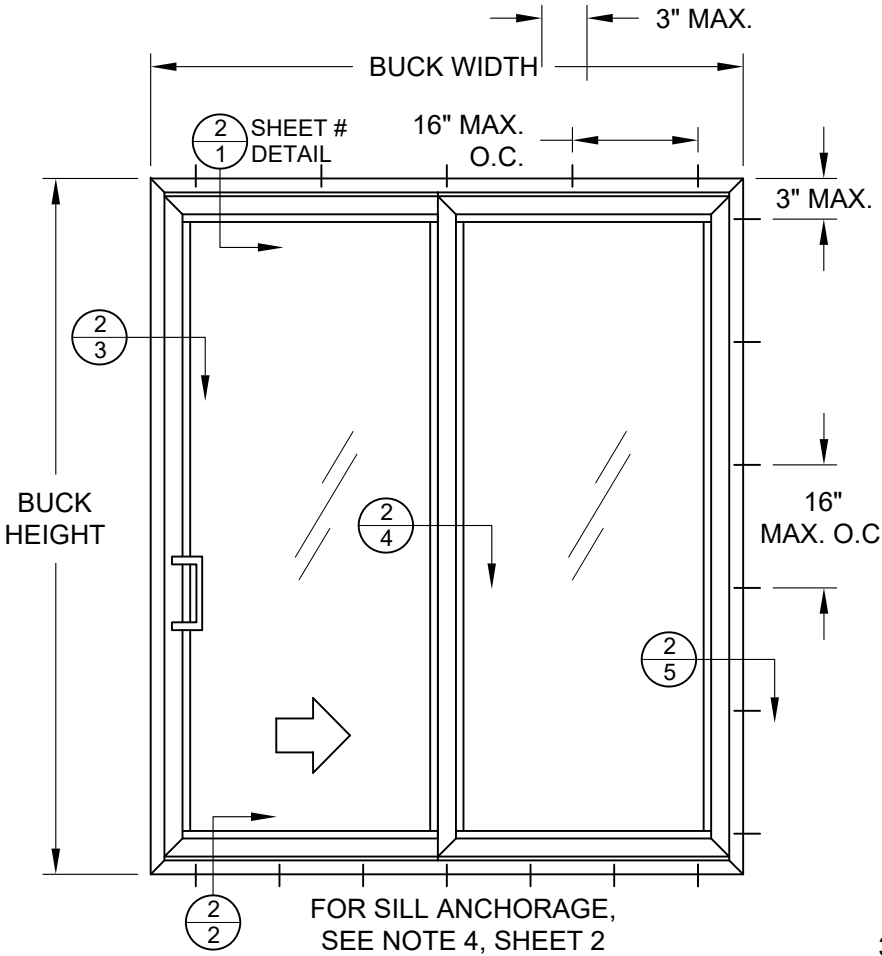
MALIBU SERIES NON-IMPACT
RESISTANT, SLIDING GLASS DOOR

- 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.
- 7) ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.

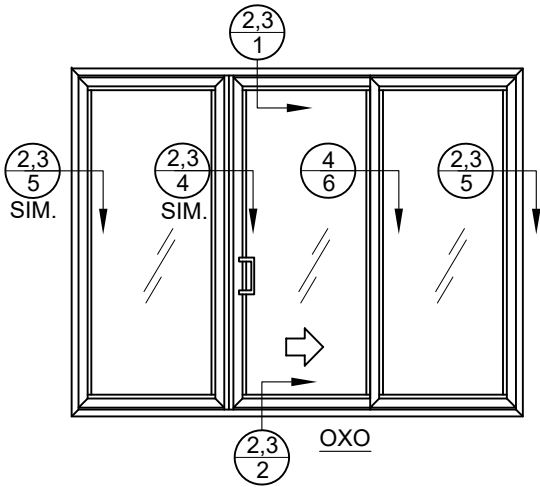
TABLE 1:

Sub Series	Style Type	Config-uration	Size	Reinf. Level*	Design Pressure		CPD No.
					(+)	(-)	
Malibu MAL	Narrow	OX / XO	72" X 83"	Regular	+25.1	-30.8	23093
			96" X 99"	Regular	+20.0	-20.0	19645
			96" X 83"	Heavy	+20.9	-29.2	23095
			96" X 99"	Heavy	+20.9	-23.0	23094
			120" X 99"	Heavy	+20.0	-20.0	19644
		OXO	108" X 83"	Regular	+25.1	-30.8	23096
			144" X 83"	Heavy	+25.1	-29.2	23098
			144" X 99"	Regular	+20.0	-20.0	19647
			144" X 99"	Heavy	+23.0	-23.0	23097
Malibu MFR	Wide	OX / XO	96" X 99"	Regular	+20.0	-20.0	19646
			120" X 99"	Heavy	+20.0	-20.0	19651
		OXO	144" X 99"	Regular	+20.0	-20.0	19649

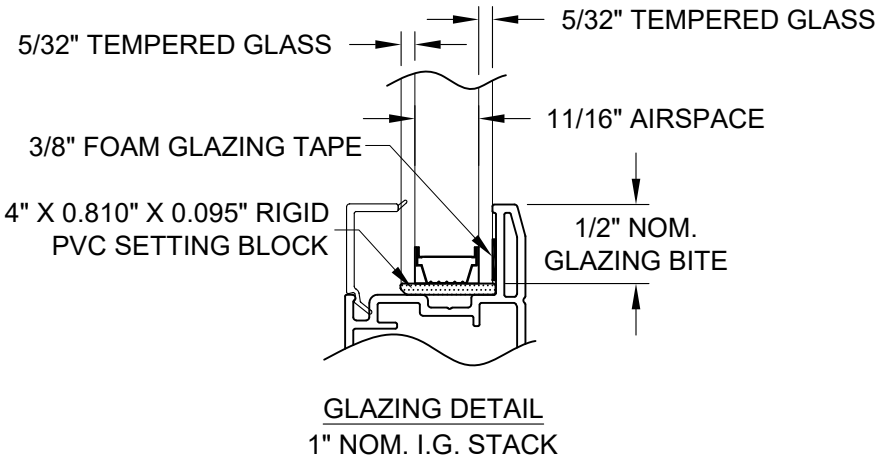
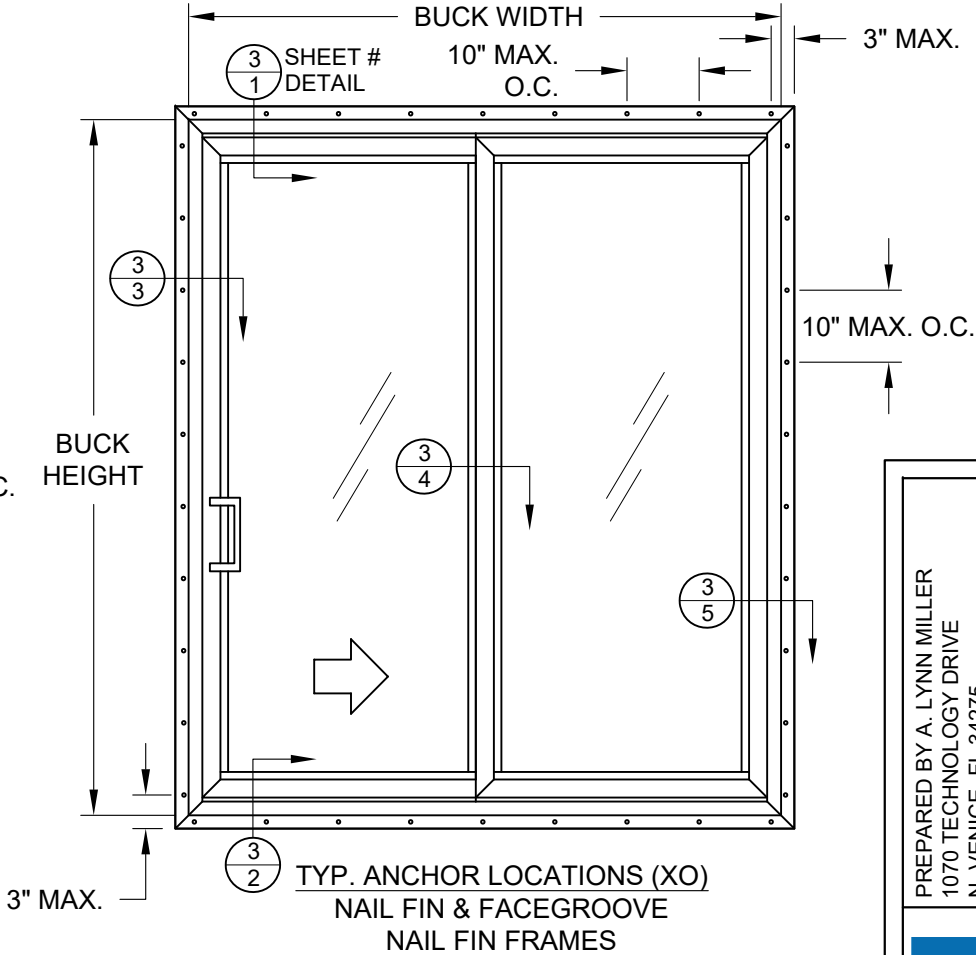
* SEE REINFORCEMENTS, SHEET 4.



TYP. ANCHOR LOCATIONS (XO)
BLOCK, FACEGROOVE BLOCK,
FLUSH FIN & BRICKMOULD FRAMES



ALTERNATE CONFIGURATION
SIMILAR ANCHOR SPACING AS XO/OX
ALL FRAME TYPES



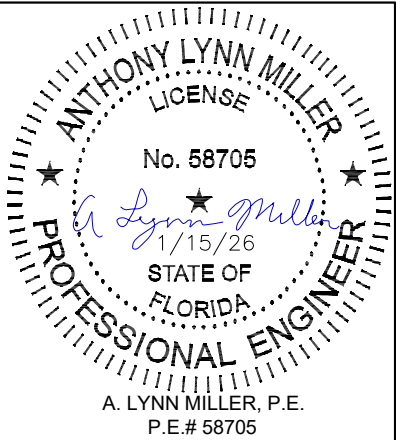
DESIGN PRESSURE RATING
SEE TABLE 1

NOT RATED FOR MISSILE
IMPACT RESISTANCE

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Rev. #	Date	Rev.

01/15/26	JENS ROSOWSKI	SGD-FL APP -1
By	DWG	No.
1 OF 4	1 OF 4	1 OF 4
Sheet	Malibu (MAL & MFR)	Anchor Elevations/Notes
Series	Desc.	Title

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

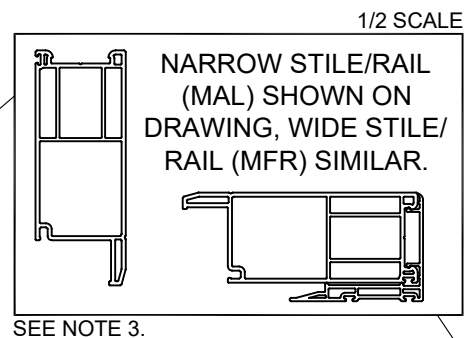
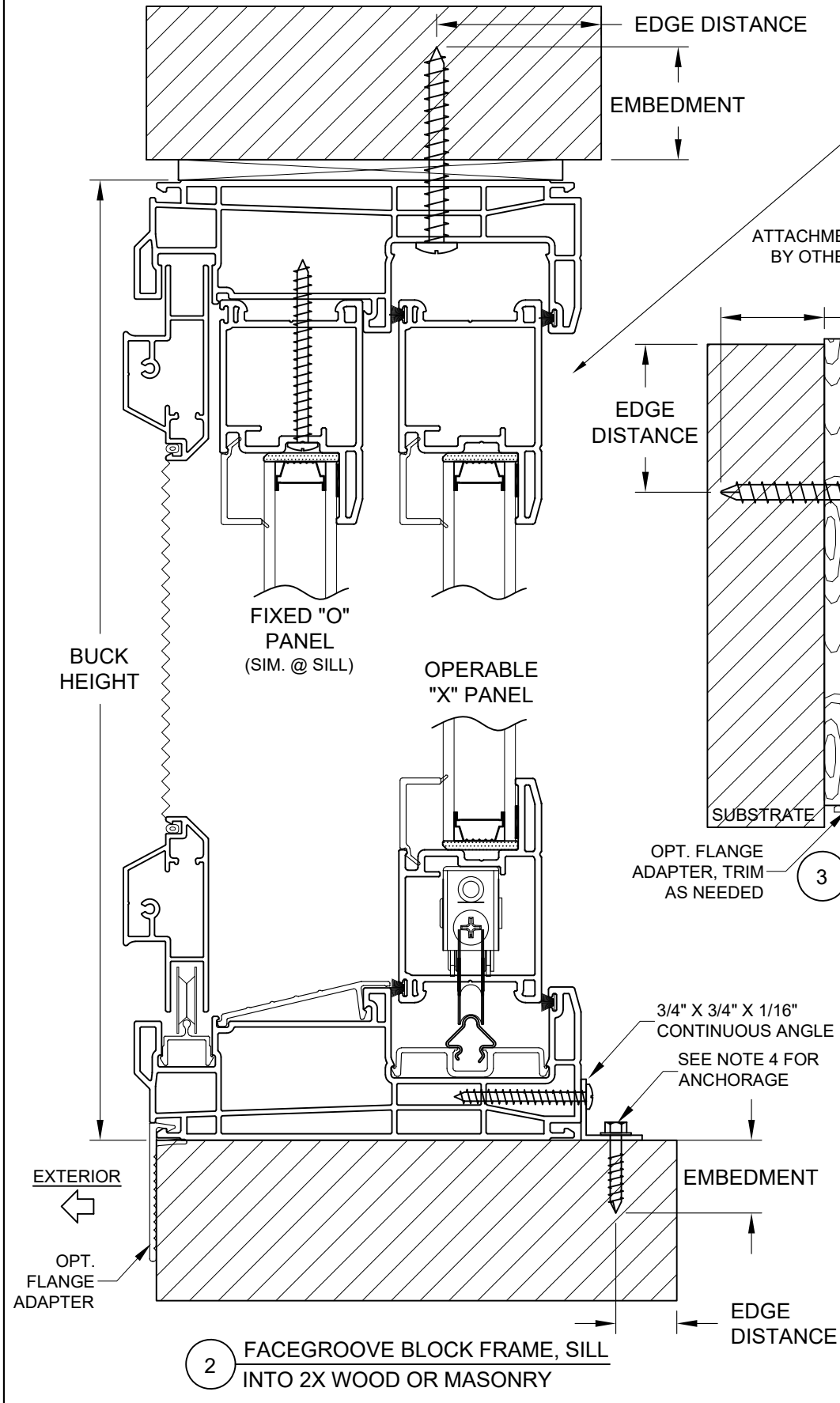
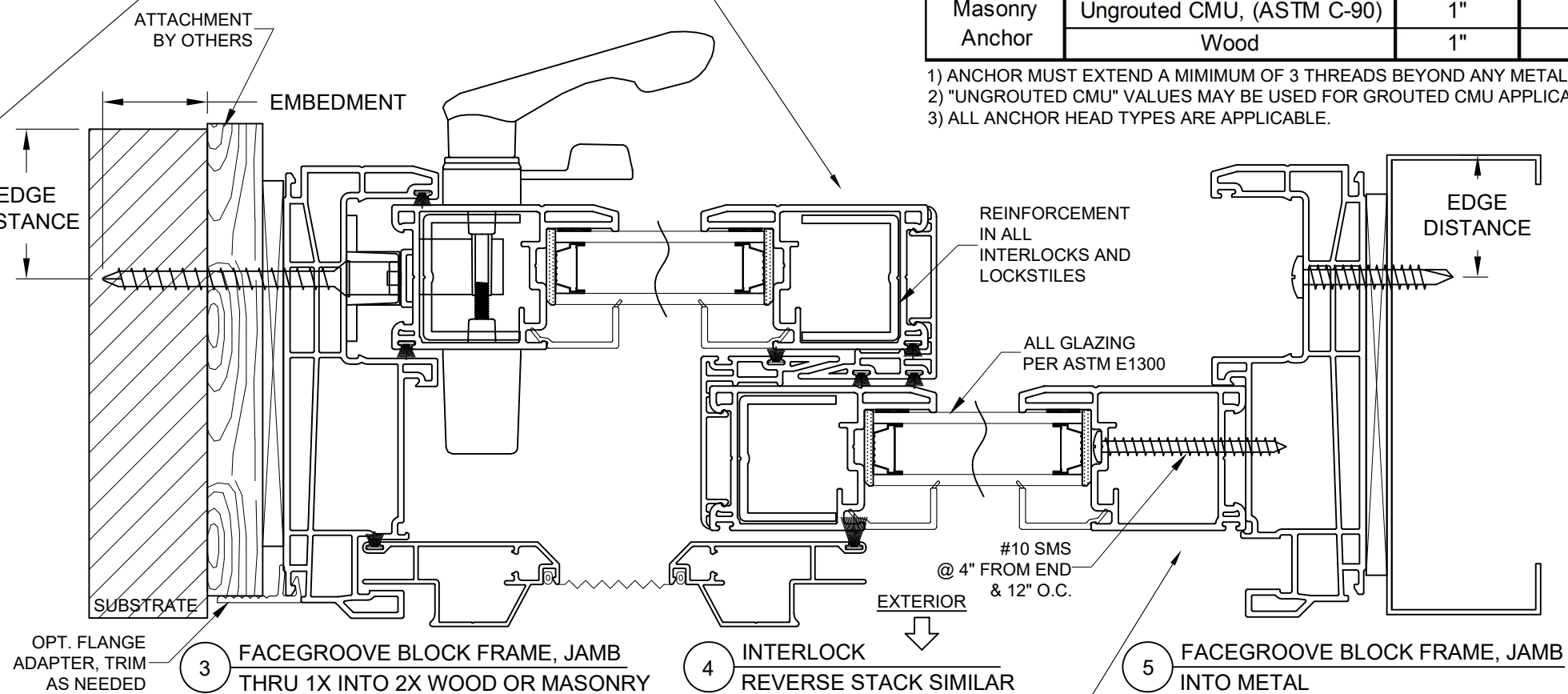


TABLE 2:

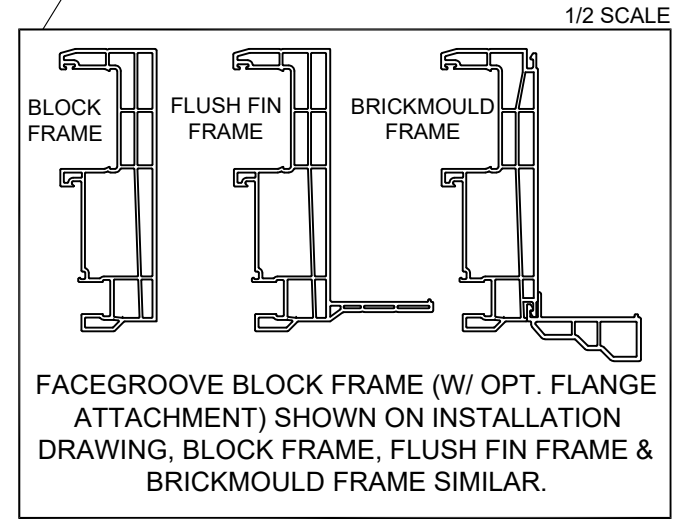
Anchor	Substrate	Minimum Edge Distance	Minimum Embedment
#8 Steel SMS	Wood	7/16"	1-3/8"
	Aluminum, 6063-T5 min.	1/4"	0.050"
	Steel Stud, Gr. 33 min.	3/8"	0.0345" (20 Ga)
	A36 Steel	3/8"	0.0345" (20 Ga)
3/16" Masonry Anchor	Concrete (min. 2.9 ksi)	1"	1-3/4"
	UngROUTed CMU, (ASTM C-90)	1"	1-1/4"
	Wood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



INSTALLATION NOTES:

- 1) ANY INSTALLATION OPTION SHOWN (2X BUCK OR WOOD FRAMING, 1X BUCK, DIRECT TO MASONRY, STEEL STUD) MAY BE USED ON ANY SIDE OF THE DOOR. OX SHOWN, ALL OTHER CONFIGS. SIMILAR.
- 2) USE ONLY SUBSTRATE APPROPRIATE ANCHORS LISTED IN THE ANCHOR TABLE. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. MAX. SHIM THICKNESS TO BE 1/4".
- 3) MALIBU (MAL) SERIES USES NARROW, 1-3/4" STILES & RAILS (AS SHOWN IN DRAWING). MALIBU FRENCH RAIL (MFR) SERIES USES WIDE, 4-9/16" STILES & RAILS.
- 4) 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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VINYL SLIDING GLASS DOOR

X-SECTIONS DETAILS

MALIBU (MAL & MFR)

SGD-FL APP -1

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01/15/26

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1/15/26

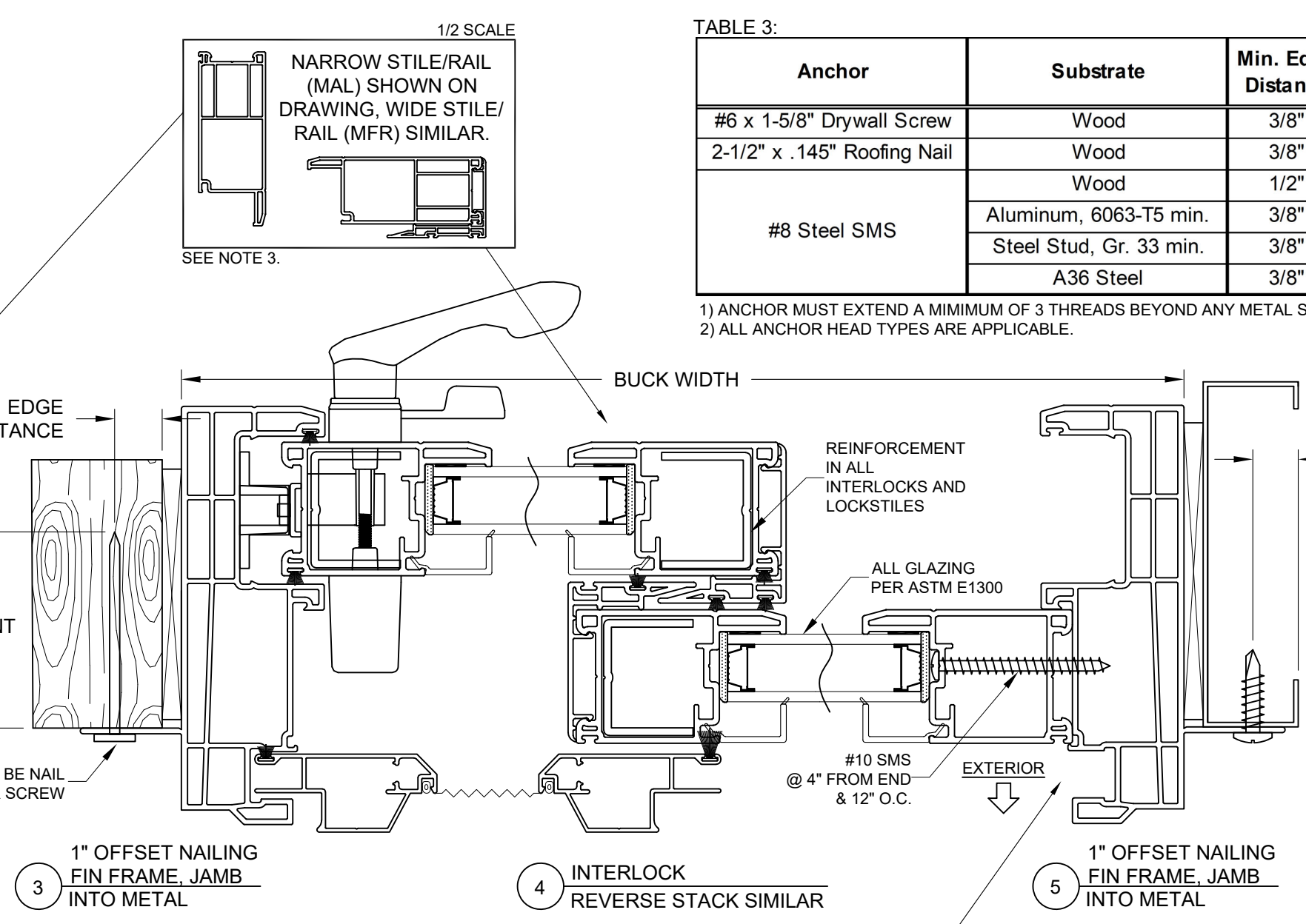
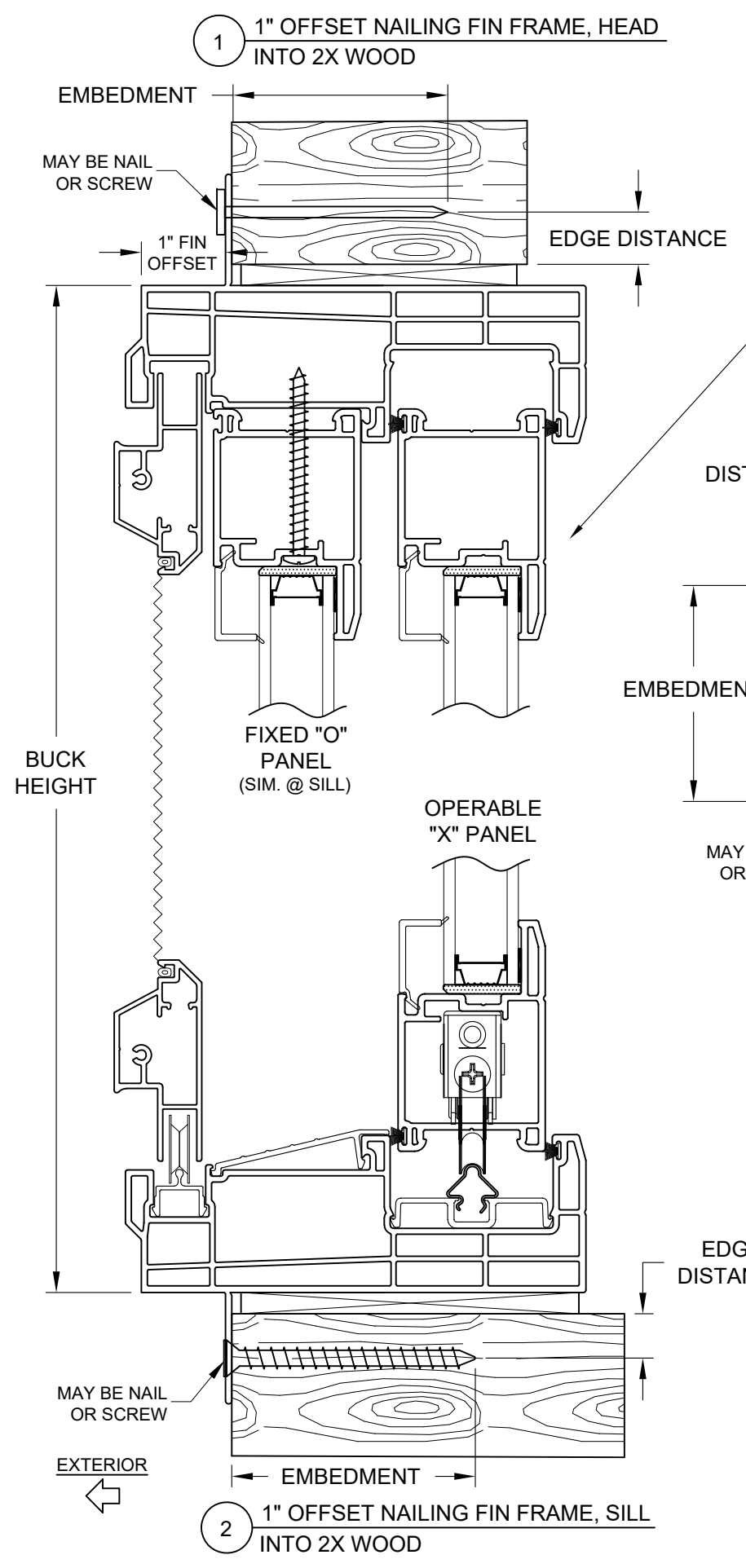
STATE OF FLORIDA

PROFESSIONAL ENGINEER

Anthony Lynn Miller

No. 58705

A. LYNN MILLER, P.E.
P.E.# 58705



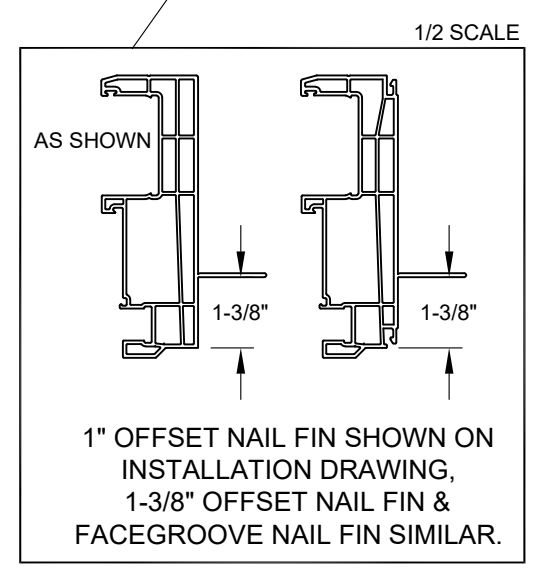
INSTALLATION NOTES:

- 1) ANY INSTALLATION OPTION SHOWN (2X BUCK OR WOOD FRAMING, 1X BUCK, DIRECT TO MASONRY, STEEL STUD) MAY BE USED ON ANY SIDE OF THE DOOR. OX SHOWN, ALL OTHER CONFIGURATIONS SIMILAR.
- 2) USE ONLY SUBSTRATE APPROPRIATE ANCHORS LISTED IN THE ANCHOR TABLE. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. MAX. SHIM THICKNESS TO BE 1/4". MAX. SHIM SPACING TO BE 18"
- 3) MALIBU (MAL) SERIES USES NARROW, 1-3/4" STILES & RAILS (AS SHOWN IN DRAWING). MALIBU FRENCH RAIL (MFR) SERIES USES WIDE, 4-9/16" STILES & RAILS.
- 4) FIN MAY BE REMOVED TO CREATE OTHER FRAME TYPES.

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.



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VINYL SLIDING GLASS DOOR

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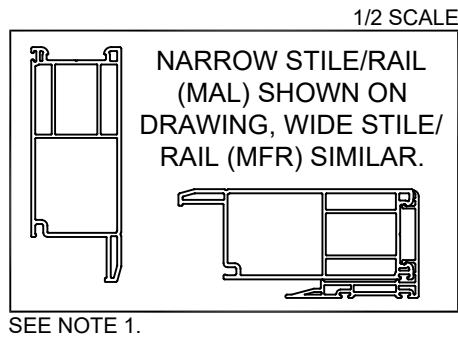
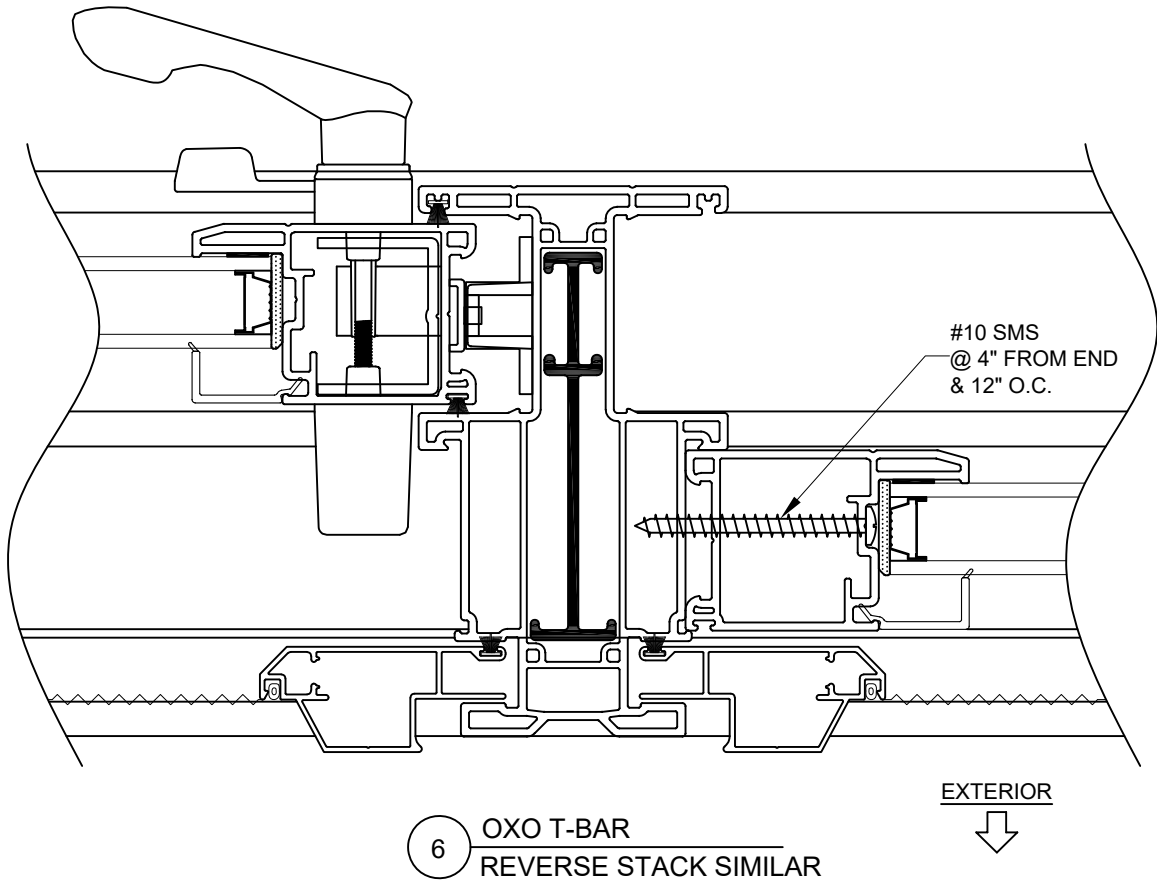
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3 OF 4

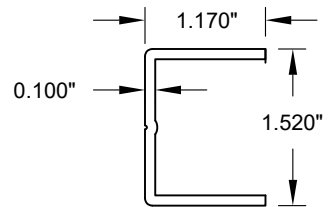
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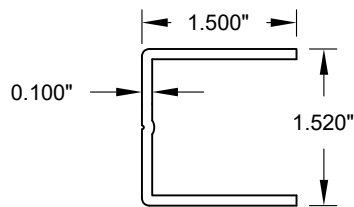


INSTALLATION NOTES:

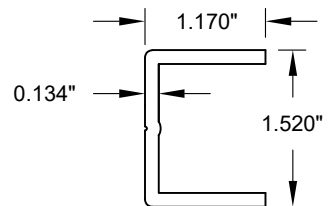
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- 2) ALL FRAME TYPES APPLY.



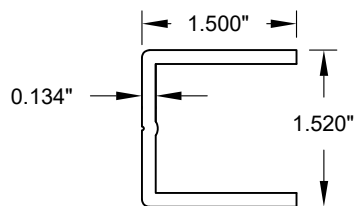
MAL REGULAR GUAGE



MFR REGULAR GUAGE



MAL HEAVY GUAGE



MFR HEAVY GUAGE

REINFORCEMENT TYPES

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VINYL SLIDING GLASS DOOR				X-SECTIONS DETAILS		MALIBU (MAL & MFR)		4 OF 4	
ANLIN WINDOWS & DOORS 1665 TOLLHOUSE RD CLOVIS, CA 93611 (800) 287-7996				ANLIN WINDOWS & DOORS		MALIBU (MAL & MFR)		4 OF 4	

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