HR810V HORIZONTAL ROLLER WINDOW, NON-IMPACT RESISTANT, FLANGE, EQUAL-LEG & FIN FRAMES

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.

7) FRAME FLANGES OR INTEGRAL FINS MAY BE TRIMMED IN-FIELD TO CREATE AN EQUAL-LEG FRAME.

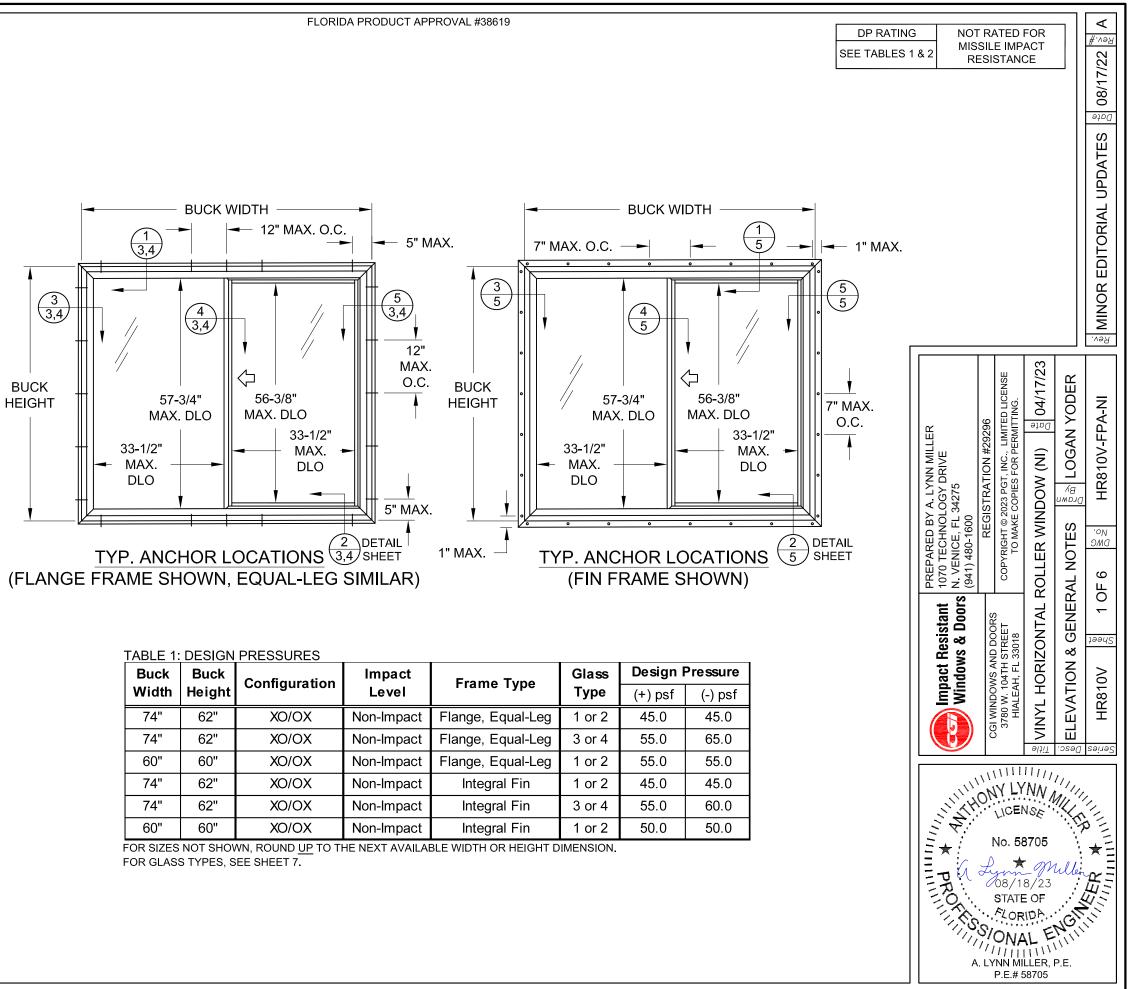


TABLE 1: DESIGN PRESSURES

Buck	Buck	Configuration	Impact	Frame Type Glass		B Design Press	
Width	Height	conniguration	Level	Frame Type	Туре	(+) psf	(-) p
74"	62"	XO/OX	Non-Impact	Flange, Equal-Leg	1 or 2	45.0	45.
74"	62"	XO/OX	Non-Impact	Flange, Equal-Leg	3 or 4	55.0	65.
60"	60"	XO/OX	Non-Impact	Flange, Equal-Leg	1 or 2	55.0	55.
74"	62"	XO/OX	Non-Impact	Integral Fin	1 or 2	45.0	45.
74"	62"	XO/OX	Non-Impact	Integral Fin	3 or 4	55.0	60.
60"	60"	XO/OX	Non-Impact	Integral Fin	1 or 2	50.0	50.

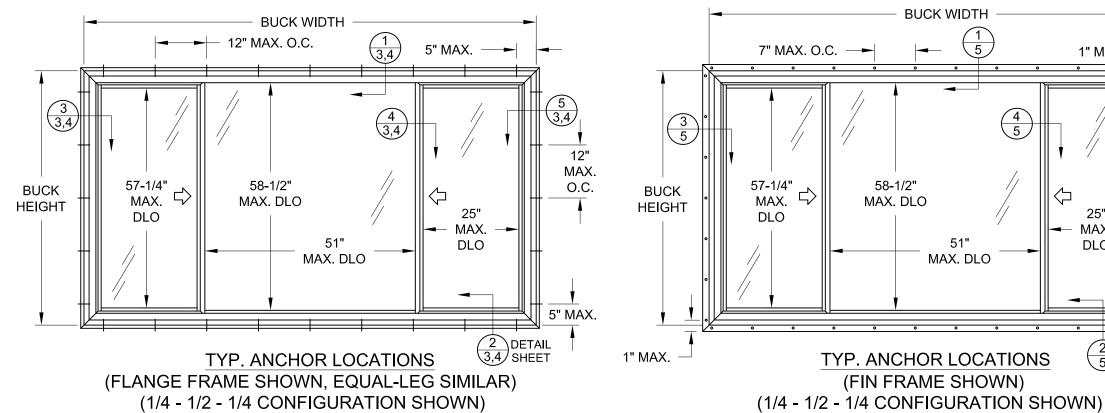


TABLE 2								
Buck	Buck	Configuration	Impact Level	Frame	Glass Types	Design Pressure		
Width	Height	comgulation		Туре	Glass Types	(+) psf	(-) psf	
82-7/8"	63"	XOX,	Non-Impact	Flange, Equal-Leg	Operable Lite: 1-4	50.0	50.0	
02-110		(1/3, 1/3, 1/3)			Fixed Lite: 1-4	50.0		
82-7/8"	63"	XOX, (1/3, 1/3, 1/3)	Non-Impact	Fin	Operable Lite: 1-4	45.0	45.0	
02-110	05				Fixed Lite: 1-4	43.0		
111"	63"	XOX,	Non-Impact	Flange,	Operable Lite: 1-4	50.0	50.0	
		(1/4, 1/2, 1/4)	Non-Impact	Equal-Leg	Fixed Lite, See Table 2A	50.0		
111"	63"	XOX,	Non-Impact	Fin	Operable Lite: 1-4	45.0	45.0	
	05	(1/4, 1/2, 1/4)	Non-impact		Fixed Lite, See Table 2A	40.0	45.0	

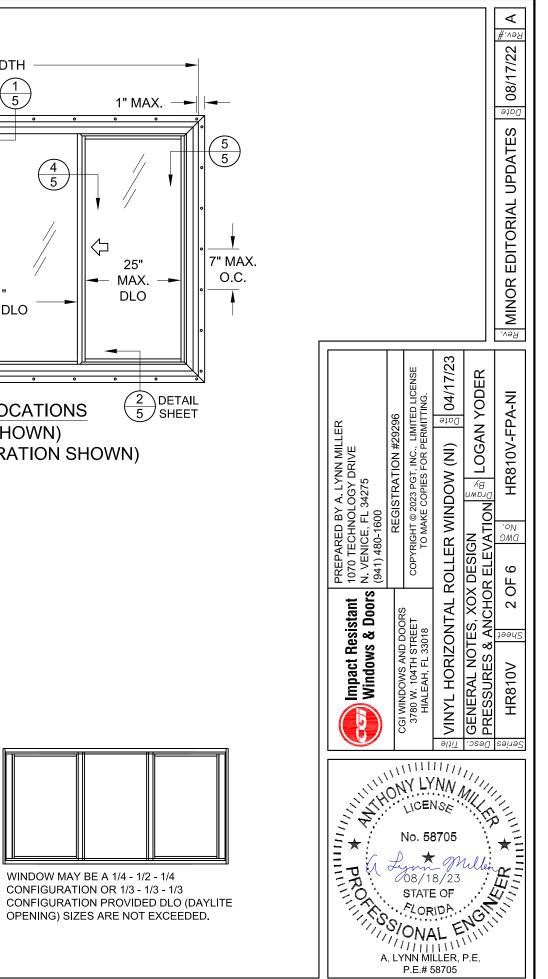
TABLE 2A:

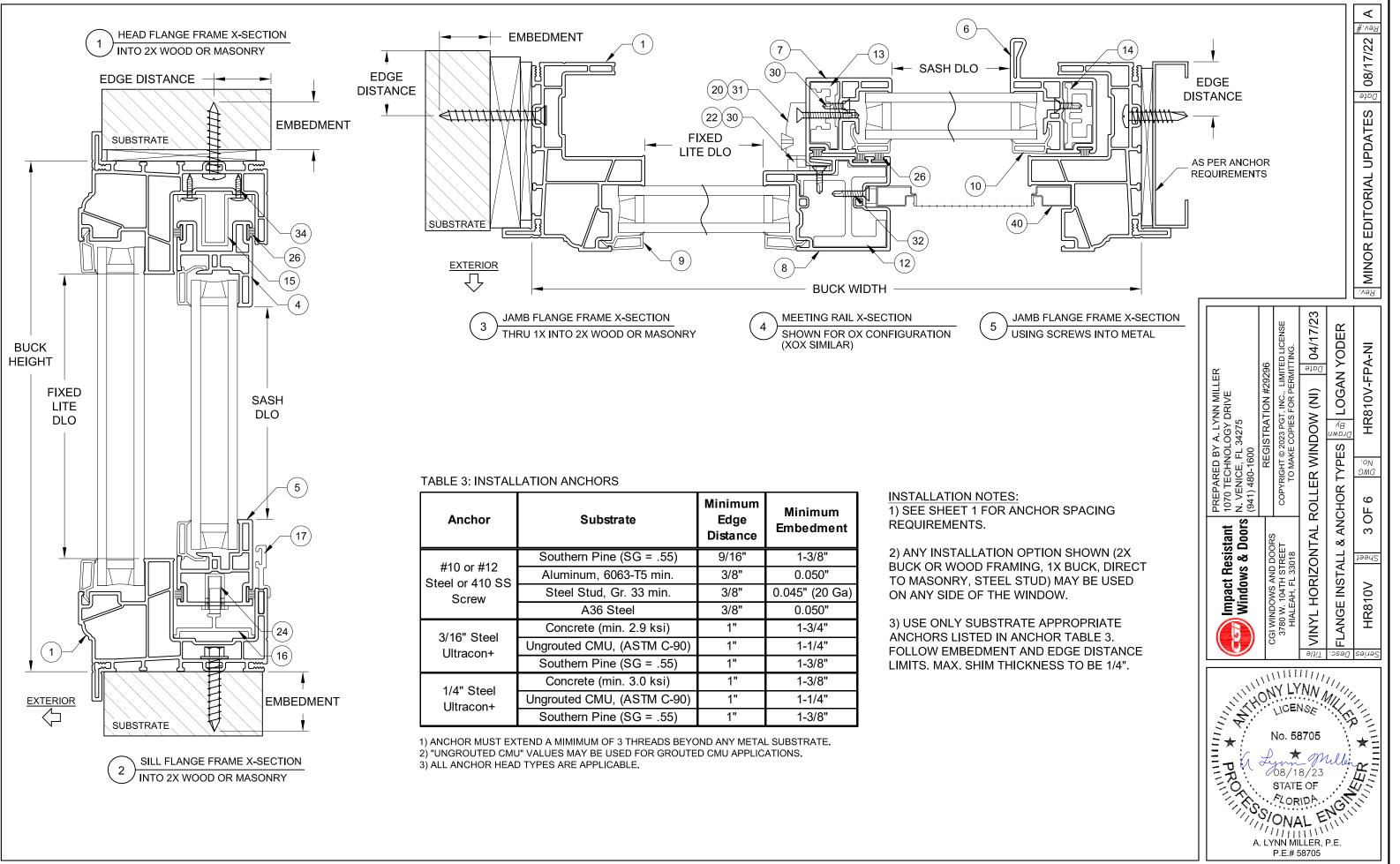
A	lowab	le Glass T	ypes for t	he Fixed I	Lite of an	XOX 1/4 -	1/2 - 1/4		
		Width							
		60"	72"	84"	96"	108"	111"		
	36"	1 - 4	1 - 4	1 - 4	1 - 4	1 - 4	1 - 4		
t	48"	1 - 4	1 - 4	1 - 4	1 - 4	2 - 4	2 - 4		
Height	54"	1 - 4	1 - 4	1 - 4	2 - 4	2 - 4	2 - 4		
I	60"	1 - 4	1 - 4	2 - 4	2 - 4	3 & 4	3 & 4		
	63"	1 - 4	1 - 4	2 - 4	2 - 4	3 & 4	3 & 4		

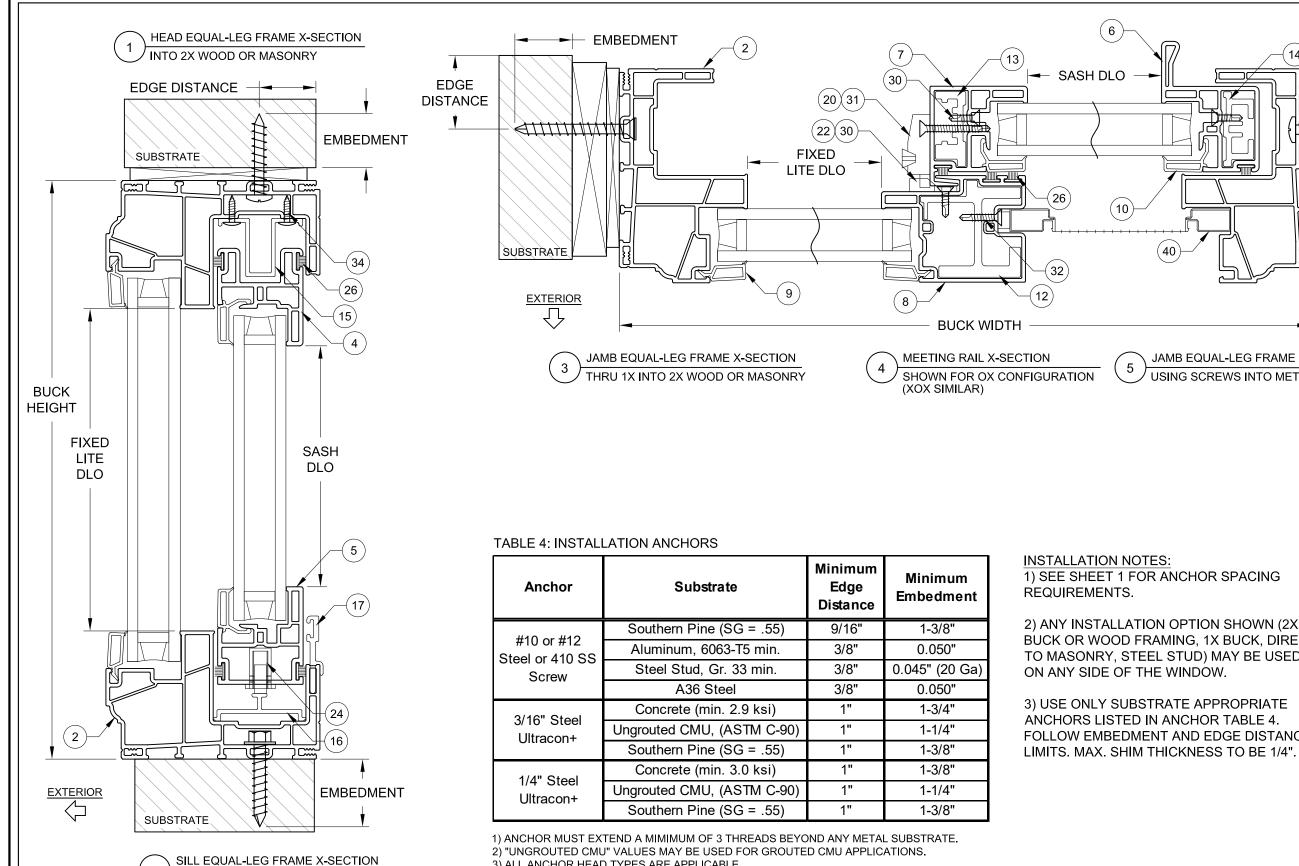
1) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION.

2) FOR GLASS DESCRIPTIONS, SEE SHEET 7.

3) BUCK DIMENSIONS SHOWN.

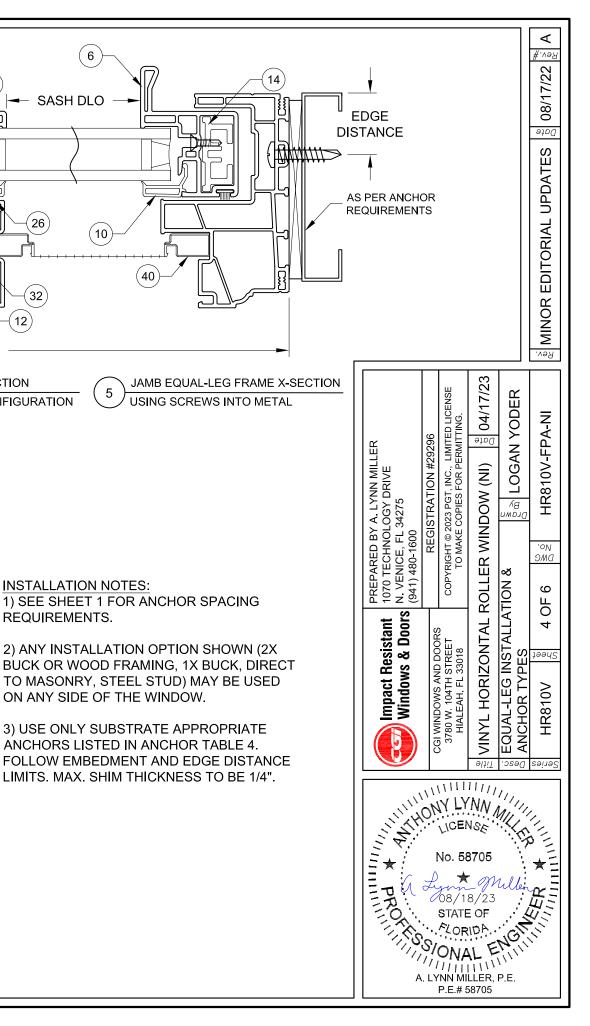


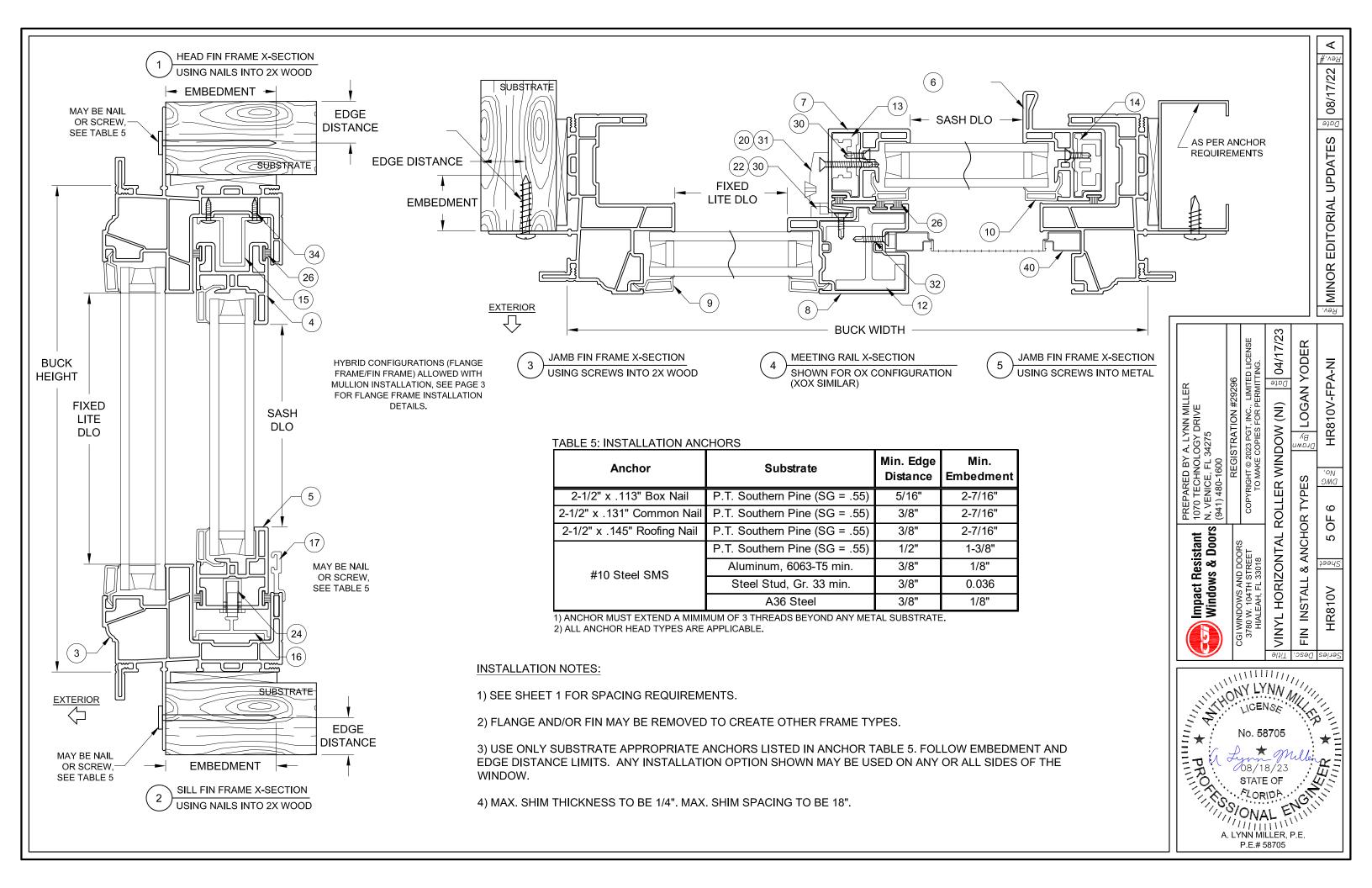


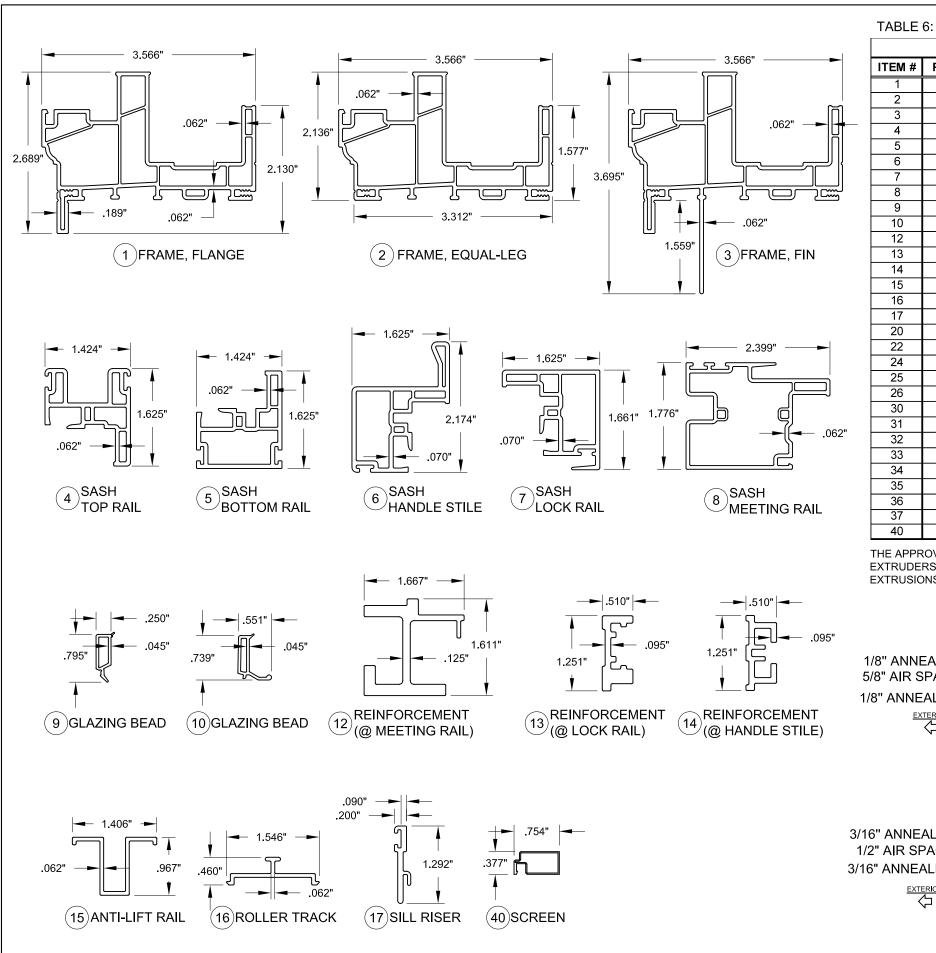


3) ALL ANCHOR HEAD TYPES ARE APPLICABLE.

INTO 2X WOOD OR MASONRY







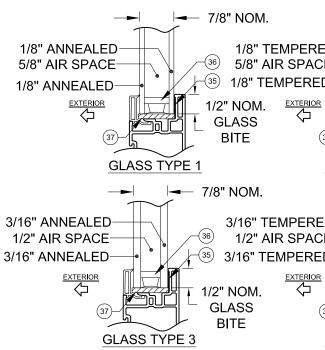
BILL OF MATERIAL PART # DESCRIPTION ITEM # Frame, Flange 2 9439 Frame, Equal-Leg 3 Frame, Fin 9478 Sash Top Rail 4 5 9424 Sash Bottom Rail 9475 Sash Handle Stile 6 7 9476 Sash Lock Rail 8 9477 Sash Meeting Rail 9436 Glazing Bead 9 10 9425 Glazing Bead 12 6165 Reinforcement @ Meeting Rail 13 6163 Reinforcement @ Lock Rail 14 Reinforcement @ Handle Stile 6166 15 6162 Anti-Lift Rail 16 6161 Roller Track 17 6158 Sill Riser 20 Lock 22 Keeper 24 8153 Roller Assm. 25 8223 Weep Cover 26 4007 Weatherstrip, .270" x .250" Polyfir 30 1003 Screw, #6 x 1/2" PFH 31 1007 Screw, #6 x 1-1/4" PFH 32 1012 Screw, #6 x 3/4" PFH 33 Screw, #8 x 1/2" PTRUSS 1015 34 Screw, #6 x 3/8" PPH 1067 35 RGS7700, Sika 552, Dow 791,983 36 IG Spacer 37 Setting Block

THE APPROVED, RIGID PVC EXTERIOR EXTRUSIONS AR EXTRUDERS' LICENSEES UNDER "AAMA CERTIFICATION EXTRUSIONS".

Screen

40

6244



								A
								∦.∨эЯ
LS								08/17/22
	MATERIAL PVC							117
	PVC PVC							80
	PVC							Date
	PVC							ပ္ပ
	PVC							MINOR EDITORIAL UPDATES
	PVC							A D
	PVC							르니
	PVC							
	PVC							N N
	PVC							ЬŖ
	6063-T6 6063-T6							L E
	6063-T6							🗄
	6063-T6							<u>ا</u> کر
	6063-T6							Z
	6063-T6							Σ
		_						Rev.
						~		
					ЗE	o4/17/23	R	
	Composite				ENS	17	LOGAN YODER	
n					NG.	04/		HR810V-FPA-NI
	Steel		r	96	RIGHT © 2023 PGT, INC., LIMITED LIC TO MAKE COPIES FOR PERMITTING.	Date	ž	A A
	Steel Steel		III III	REGISTRATION #29296	LIM ERN		AN	<u> </u>
	Steel		AIL V	# Z	IC.,	Ē	U U	2
	Steel		NN	TIO	T, IN S FO	V (I	2	8
3,995 Backbedding	01001		۲۲ ۲2 12	RA ⁻	PIES	S	Ву Drawn	1 4
, g	varies		342 342	ST	2023 CO	ğ	имрл	
	varies		N N N N N N N N N N N N N N N N N N N	EG	⊂© 2 AKE	AIN N		
	Nylon		-16 E E	Я	GH1 0 M,	۶		. _{0N} DMG
RE TO BE PRODUCED	BY		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		COPYRIGHT © 2023 PGT, INC., LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.	ROLLER WINDOW (NI)		
N PROGRAMS FOR RI	GID PVC		71) VE		COF			9
						RC		OF 6
			or a		`	٦L	Σ	9
			Do	L A			l M	
	7/8" NOM.		lmpact Resistant Windows & Doors		3780 W. 104TH STREET HIALEAH, FL 33018	ð	EXTRUSIONS & BOM	199AZ
			WS N				NS NS	
	36)		aci	UN N	04TF	0F	Ō	
	35)				V. 1(Ĭ	N	HR810V
					80 V HIAI	Ч	TR	4
				CGI WINDOWS AND DOORS	37	VINYL HORIZONTAL		
	/2" NOM.				,	→ Pitite	.osəU	səµəs
(37)	GLASS			_				
GLASS TYPE 2	BITE			11		11///	11.	
GLASS TIFL Z				ΟŅ	YLY	NN /	Mill.	
	7/8" NOM.		221		LICEN	VSE	\mathbb{K}	
\prod			2 2	_				
			IE <u>÷</u> i	ľ	10. 58	3705		
	36)		E	P	*	m	1.11	
	35)			ď	08/1	8/23	ne	
	1/2" NOM.		50.	-	STATE			
	GLASS			٠.,	ALOR	IDA.	ंदर्ड	
	BITE		S	SI	····: ••••	ΪF	NY,	N
- M			''	$\hat{\eta}$	UNA		111.	
GLASS TYPE 4			PROFESSI	LY	NN MI	LLER, I	P.E.	
					P.E.# 5	58705		