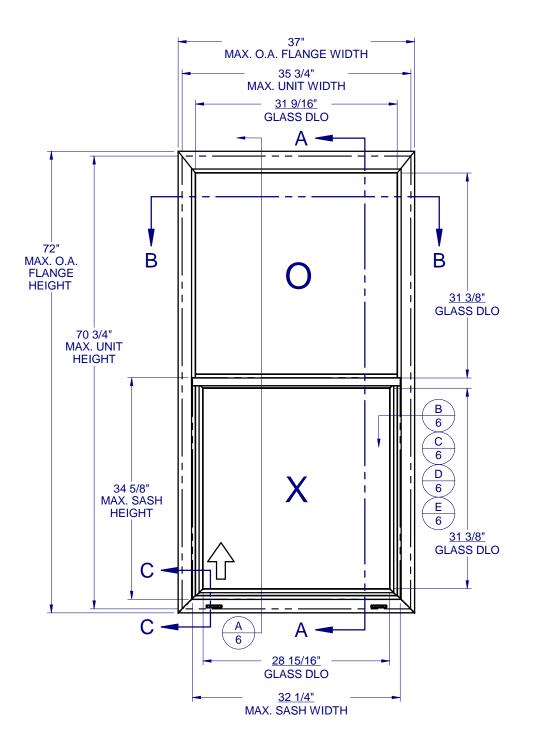
SINGLE HUNG - LARGE MISSILE IMPACT



GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE (FBC), CURRENT EDITION AND IS RATED FOR MISSILE LEVEL D IMPACT USE IN WIND ZONE 3 AREAS AS DEFINED IN ASTM E 1996 PER THE FBC.

THIS PRODUCT MAY NOT BE USED IN THE HIGH VELOCITY HURRICANE ZONE (HVHZ) OR IN ASTM E 1996 WIND ZONE 4 AREAS.

- 2. GLAZING OPTIONS: (SEE SHEET 2)
- 3. CONFIGURATIONS: "O/X".
- 4. DESIGN PRESSURE RATING:
 -NEGATIVE DESIGN LOADS BASED ON, TESTED PRESSURE AND
 GLASS TABLES ASTM E-1300-04e01/09.
 -POSITIVE DESIGN LOADS BASED ON, TESTED PRESSURE, WATER
 INFILTRATION TEST PRESSURE AND GLASS TABLES
 ASTM E-1300-04e01/09.
- 5. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEET 6 FOR ANCHOR DETAILS. WINDLOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
- 6. PRODUCT APPROVED FOR IMPACT RESISTANCE. SHUTTERS ARE NOT REQUIRED.
- 7. ALL FRAMES AND VENTS FULLY WELDED. SMALL JOINT SEAM SEALANT USED AT FIXED MEETING RAIL AND JAMB.
- 8. SERIES / MODEL DESIGNATION SH-8100.
- 9. THE DESIGNATION X AND O STAND FOR THE FOLLOWING: X = OPERABLE SASH, O = FIXED SASH
- 10. SECTION CALLOUTS APPLY TO ALL ELEVATIONS IN A SIMILAR LOCATION.
- 11. WEEP SLOTS = 1/4" x 1-1/4" LOCATED 4" FROM BOTH ENDS.



510 PVC SINGLE HUNG IMPACT

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33549



9/26/2023

LUCAS A. TURNER, P.E. FL PE # 58201 Turner Engineering & Consulting, Inc. 2428 Old Natchez Trc Trl Camden, TN 38320 PH. 941-380-1574

SHEET DESCRIPTION:

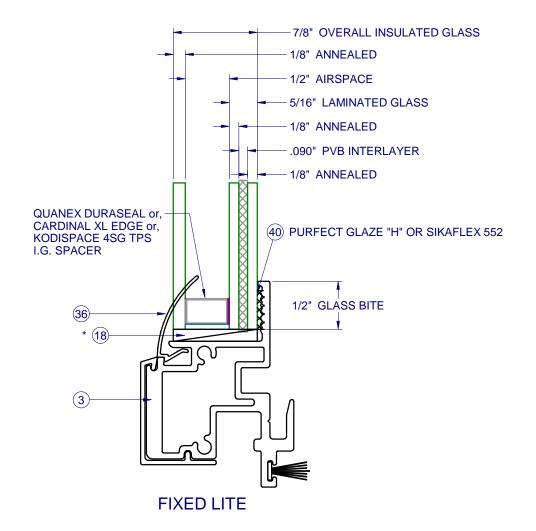
GENERAL NOTES AND ELEVATIONS

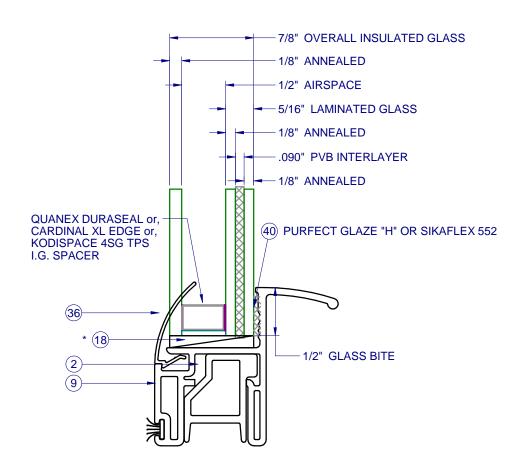
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MCS	9/19/2023
DWG #:	REV.:
PEL-957	С
SCALE:	SHEET
1:15	1 OF 6

TABLE OF CONTENTS

GENERAL NOTES & ELEVATIONS	1
GLAZING DETAILS	2
SECTION VIEWS	3
BOM & EXTRUSIONS	4
ANCHOR SCHEDULE & NOTES	5
INSTALLATION DETAILS	6

FRAME TYPE	MAX. UNIT SIZE	DESIGN PRESSURE RATING	IMPACT RATING
FLANGE	35-3/4" x 70-3/4"	+/- 60 PSF	LARGE MISSILE IMPACT
FIN	33-3/4 X / U-3/4	+/- 55 PSF	LARGE MISSILE IMPACT





SASH LITE



510 PVC SINGLE HUNG IMPACT

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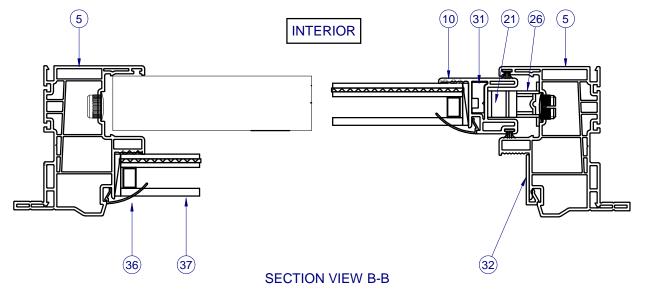
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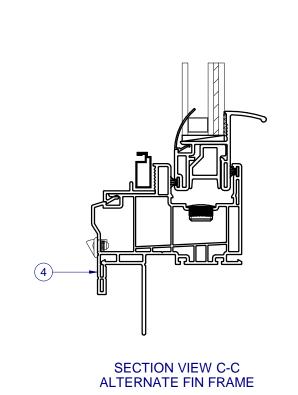
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GLAZING DETAILS

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DWG #:	REV.:
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SCALE:	SHEET
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NOTE: LEFT SIDE SHOWS FIXED SECTION VIEW, RIGHT SIDE SHOWS SASH SECTION VIEW.







510 PVC SINGLE HUNG IMPACT

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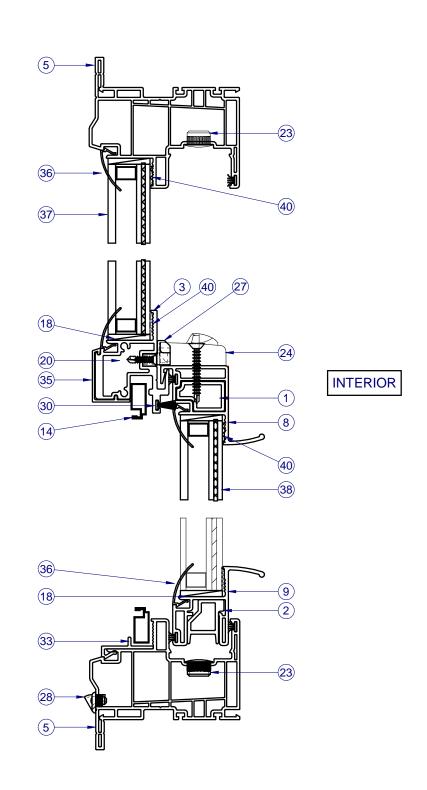
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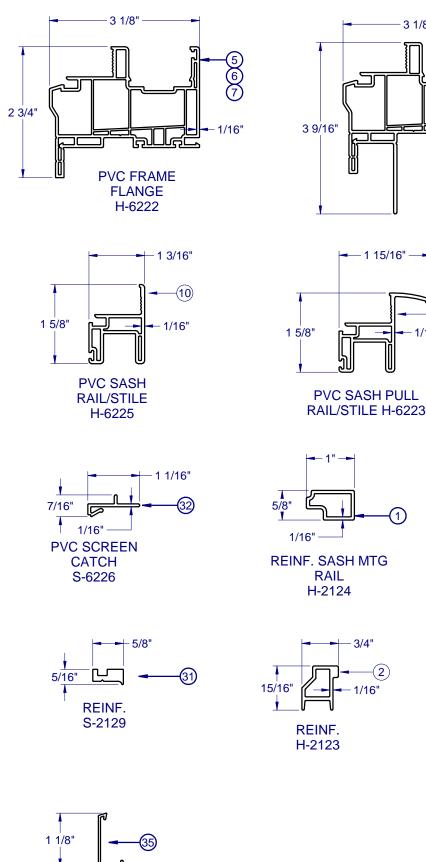
SECTION VIEWS

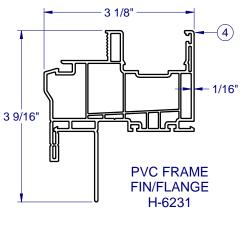
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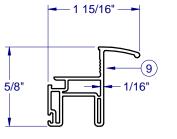


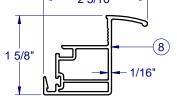
SECTION VIEW A-A

1 H-2124 Reinforcement for STR ALUMINUM 2 H-2123 Reinforcement for SBR ALUMINUM 3 H-2121 Alum. Fixed Meet. Rail ALUMINUM 4 H-6231 Main Frame, Fin, Single Hung PVC 5 H-6222 Main Frame, Fig, Single Hung PVC 8 H-6224 Sash Top Rail PVC 9 H-6223 Sash Botlom Rail PVC 10 H-6225 Sash Side Rail PVC 11 P-4755 Screen Corner Key W/ Safety Pull Tab STEEL 12 P-3195 SPRING, NO HOLE TENSION C-8400 STEEL 14 P-3218 Screen Frame ALUMINUM 15 P-5576 Screen Spline, .125" VINYL FOAM 16 P-4754 SCREEN CORNER KEY NYLON 17 P-3342 Seam Sealer NYLON 18 P-5612 Setting Block, .12 x 1 x 2 RUBBER 19 P-3305 #8 x 3/4" Phillips Square SMS STEEL 21	ITEM#	PART#	DESCRIPTION	MATERIAL
3 H-2121 Alum. Fixed Meet. Rail ALUMINUM 4 H-6231 Main Frame, Fin, Single Hung PVC 5 H-6222 Main Frame, Flg, Single Hung PVC 8 H-6224 Sash Top Rail PVC 9 H-6223 Sash Bottom Rail PVC 10 H-6225 Sash Side Rail PVC 11 P-4755 Screen Corner Key W/ Safety Pull Tab STEEL 12 P-3195 SPRING, NO HOLE TENSION C-8400 STEEL 14 P-3218 Screen Frame ALUMINUM 15 P-5576 Screen Spline, .125" VINYL FOAM 16 P-4754 SCREEN CORNER KEY NYLON 17 P-3342 Seam Sealer RUBBER 18 P-5612 Setting Block, .12 x 1 x 2 RUBBER 19 P-3305 #8 x 3/4" Phillips Square SMS STEEL 21 P-3541 #8 x x 1/2" Quadrex PH TEK STEEL 22 P-4771 36"-BetterVue Insect Screen, 18x16 VINYL <td< td=""><td>1</td><td>H-2124</td><td>Reinforcement for STR</td><td>ALUMINUM</td></td<>	1	H-2124	Reinforcement for STR	ALUMINUM
4 H-6231 Main Frame, Fin, Single Hung PVC 5 H-6222 Main Frame, Flg, Single Hung PVC 8 H-6224 Sash Top Rail PVC 9 H-6223 Sash Bottom Rail PVC 10 H-6225 Sash Side Rail PVC 11 P-4755 Screen Corner Key W/ Safety Pull Tab STEEL 12 P-3195 SPRING, NO HOLE TENSION C-8400 STEEL 14 P-3218 Screen Frame ALUMINUM 15 P-5576 Screen Spline, .125" VINYL FOAM 16 P-4754 SCREEN CORNER KEY NYLON 17 P-3342 Seam Sealer NYLON 18 P-5612 Setting Block, .12 x 1 x 2 RUBBER 19 P-3305 Wstp., 0.270 x 0.187 High Density NYLON 20 P-3539 #8 x 3 /4" Phillips Square SMS STEEL 21 P-3541 #8 x 1/2" Quadrex PH TEK STEEL 22 P-4771 36"-Better Vue Insect Screen, 18x16 VINYL		H-2123	Reinforcement for SBR	ALUMINUM
5 H-6222 Main Frame, Flg, Single Hung PVC 8 H-6224 Sash Top Rail PVC 9 H-6223 Sash Bottom Rail PVC 10 H-6225 Sash Side Rail PVC 11 P-4755 Screen Corner Key W/ Safety Pull Tab STEEL 12 P-3195 SPRING, NO HOLE TENSION C-8400 STEEL 14 P-3218 Screen Frame ALUMINUM 15 P-5576 Screen Spline, .125" VINYL FOAM 16 P-4754 SCREEN CORNER KEY NYLON 17 P-3342 Seam Sealer NYLON 18 P-5612 Setting Block, .12 x 1 x 2 RUBBER 19 P-3305 Wstp., 0.270 x 0.187 High Density NYLON 20 P-3539 #8 x 3/4" Phillips Square SMS STEEL 21 P-3541 #8 x 1/2" Quadrex PH TEK STEEL 22 P-4771 36"-Better Vue Insect Screen, 18x16 VINYL 23 P-5588 Hole Plug, 1/2" NYLON 24	3	H-2121	Alum. Fixed Meet. Rail	ALUMINUM
8 H-6224 Sash Top Rail PVC 9 H-6223 Sash Bottom Rail PVC 10 H-6225 Sash Side Rail PVC 11 P-4755 Screen Corner Key W/ Safety Pull Tab STEEL 12 P-3195 SPRING, NO HOLE TENSION C-8400 STEEL 14 P-3218 Screen Frame ALUMINUM 15 P-5576 Screen Spline, .125" VINYL FOAM 16 P-4754 SCREEN CORNER KEY NYLON 17 P-3342 Seam Sealer NYLON 17 P-3342 Seam Sealer NYLON 18 P-5612 Setting Block, .12 x 1 x 2 RUBBER 19 P-3305 Wsb., .0.270 x 0.187 High Density NYLON 20 P-3539 #8 x 3/4" Phillips Square SMS STEEL 21 P-3541 #8 x 1/2" Quadrex PH TEK STEEL 22 P-4771 36"-Better Vue Insect Screen, 18x16 VINYL 23 P-5588 Hole Plug, 1/2" NYLON 24	4	H-6231	Main Frame, Fin, Single Hung	PVC
9 H-6223 Sash Bottom Rail PVC 10 H-6225 Sash Side Rail PVC 11 P-4755 Screen Corner Key W/ Safety Pull Tab STEEL 12 P-3195 SPRING, NO HOLE TENSION C-8400 STEEL 14 P-3218 Screen Frame ALUMINUM 15 P-5576 Screen Spline, .125" VINYL FOAM 16 P-4754 SCREEN CORNER KEY NYLON 17 P-3342 Seam Sealer NYLON 18 P-5612 Setting Block, .12 x 1 x 2 RUBBER 19 P-3305 Wstp., 0.270 x 0.187 High Density NYLON 20 P-3539 #8 x 3/4" Phillips Square SMS STEEL 21 P-3541 #8 x 1/2" Quadrex PH TEK STEEL 22 P-4771 36"-BetterVue Insect Screen, 18x16 VINYL 23 P-5588 Hole Plug, 1/2" NYLON 24 P-3783 Lock, Impact NYLON 25 P-4051 #8 x 1 1/4" Ph Fh TEK, Wht. STEEL <td< td=""><td>5</td><td></td><td></td><td></td></td<>	5			
10 H-6225 Sash Side Rail PVC 11 P-4755 Screen Corner Key W/ Safety Pull Tab STEEL 12 P-3195 SPRING, NO HOLE TENSION C-8400 STEEL 14 P-3218 Screen Frame ALUMINUM 15 P-5576 Screen Spline, .125" VINYL FOAM 16 P-4754 SCREEN CORNER KEY NYLON 17 P-3342 Seam Sealer RUBBER 18 P-5612 Setting Block, .12 x 1 x 2 RUBBER 19 P-3305 Wstp., 0.270 x 0.187 High Density NYLON 20 P-3539 #8 x 3/4" Phillips Square SMS STEEL 21 P-3541 #8 x 1/2" Quadrex PH TEK STEEL 22 P-4771 36"-BetterVue Insect Screen, 18x16 VINYL 23 P-5588 Hole Plug, 1/2" NYLON 24 P-3783 Lock, Impact NYLON 25 P-4051 #8 x 1 1/4" Ph Fh TEK, Wht. STEEL 26 P-4056 Sash Cam NYLON 27<				
11 P-4755 Screen Corner Key W/ Safety Pull Tab STEEL 12 P-3195 SPRING, NO HOLE TENSION C-8400 STEEL 14 P-3218 Screen Frame ALUMINUM 15 P-5576 Screen Spline, .125" VINYL FOAM 16 P-4754 SCREEN CORNER KEY NYLON 17 P-3342 Seam Sealer RUBBER 18 P-5612 Setting Block, .12 x 1 x 2 RUBBER 19 P-3305 Wstp., 0.270 x 0.187 High Density NYLON 20 P-3539 #8 x 3/4" Phillips Square SMS STEEL 21 P-3539 #8 x 3/4" Phillips Square SMS STEEL 21 P-3541 #8 x 1/2" Quadrex PH TEK STEEL 22 P-4771 36"-Better Vue Insect Screen, 18x16 VINYL 23 P-5588 Hole Plug, 1/2" NYLON 24 P-3783 Lock, Impact NYLON 25 P-4051 #8 x 1 1/4" Ph Fh TEK, Wht. STEEL 26 P-4056 Sash Cam NYLON <t< td=""><td>9</td><td></td><td></td><td>_</td></t<>	9			_
12 P-3195 SPRING, NO HOLE TENSION C-8400 STEEL 14 P-3218 Screen Frame ALUMINUM 15 P-5576 Screen Spline, .125" VINYL FOAM 16 P-4754 SCREEN CORNER KEY NYLON 17 P-3342 Seam Sealer RUBBER 18 P-5612 Setting Block, .12 x 1 x 2 RUBBER 19 P-3305 Wstp., 0.270 x 0.187 High Density NYLON 20 P-3539 #8 x 3/4" Phillips Square SMS STEEL 21 P-3541 #8 x 1/2" Quadrex PH TEK STEEL 22 P-4771 36"-BetterVue Insect Screen, 18x16 VINYL 23 P-5588 Hole Plug, 1/2" NYLON 24 P-3783 Lock, Impact NYLON 25 P-4051 #8 x 1 1/4" Ph Fh TEK, Wht. STEEL 26 P-4056 Sash Cam NYLON 27 P-4069 Keeper, Impact ZAMAC 28 P-4479 Weep Housing & Flap Assm. PVC 30	10	H-6225	Sash Side Rail	PVC
14 P-3218 Screen Frame ALUMINUM 15 P-5576 Screen Spline, .125" VINYL FOAM 16 P-4754 SCREEN CORNER KEY NYLON 17 P-3342 Seam Sealer RUBBER 18 P-5612 Setting Block, .12 x 1 x 2 RUBBER 19 P-3305 Wstp., 0.270 x 0.187 High Density NYLON 20 P-3539 #8 x 3/4" Phillips Square SMS STEEL 21 P-3541 #8 x 1/2" Quadrex PH TEK STEEL 22 P-4771 36"-BetterVue Insect Screen, 18x16 VINYL 23 P-5588 Hole Plug, 1/2" NYLON 24 P-3783 Lock, Impact NYLON 25 P-4051 #8 x 1 1/4" Ph Fh TEK, Wht. STEEL 26 P-4056 Sash Cam NYLON 27 P-4069 Keeper, Impact ZAMAC 28 P-4479 Weep Housing & Flap Assm. PVC 29 P-4638 #8 x 2 1/2 Phil Truss SMS STEEL 30 <td< td=""><td>11</td><td>P-4755</td><td>Screen Corner Key W/ Safety Pull Tab</td><td>STEEL</td></td<>	11	P-4755	Screen Corner Key W/ Safety Pull Tab	STEEL
15 P-5576 Screen Spline, .125" VINYL FOAM 16 P-4754 SCREEN CORNER KEY NYLON 17 P-3342 Seam Sealer RUBBER 18 P-5612 Setting Block, .12 x 1 x 2 RUBBER 19 P-3305 Wstp., 0.270 x 0.187 High Density NYLON 20 P-3539 #8 x 3/4" Phillips Square SMS STEEL 21 P-3541 #8 x 1/2" Quadrex PH TEK STEEL 21 P-3541 #8 x 1/2" Quadrex PH TEK STEEL 22 P-4771 36"-Better Vue Insect Screen, 18x16 VINYL 23 P-5588 Hole Plug, 1/2" NYLON 24 P-3783 Lock, Impact NYLON 25 P-4051 #8 x 1 1/4" Ph Fh TEK, Wht. STEEL 26 P-4056 Sash Cam NYLON 27 P-4069 Keeper, Impact ZAMAC 28 P-4479 Weep Housing & Flap Assm. PVC 30 P-4959 Wstp., 0.420 x 0.187 back FinSeal NYLON 3	12	P-3195	SPRING, NO HOLE TENSION C-8400	STEEL
16 P-4754 SCREEN CORNER KEY NYLON 17 P-3342 Seam Sealer RUBBER 18 P-5612 Setting Block, .12 x 1 x 2 RUBBER 19 P-3305 Wstp., 0.270 x 0.187 High Density NYLON 20 P-3539 #8 x 3/4" Phillips Square SMS STEEL 21 P-3541 #8 x 1/2" Quadrex PH TEK STEEL 22 P-4771 36"-BetterVue Insect Screen, 18x16 VINYL 23 P-5588 Hole Plug, 1/2" NYLON 24 P-3783 Lock, Impact NYLON 25 P-4051 #8 x 1 1/4" Ph Fh TEK, Wht. STEEL 26 P-4056 Sash Cam NYLON 27 P-4069 Keeper, Impact ZAMAC 28 P-4479 Weep Housing & Flap Assm. PVC 29 P-4638 #8 x 2 1/2 Phil Truss SMS STEEL 30 P-4959 Wstp., 0.420 x 0.187 back FinSeal NYLON 31 S-2129 Reinforcement for SSR ALUMINUM 32	14	P-3218	Screen Frame	ALUMINUM
17 P-3342 Seam Sealer RUBBER 19 P-5612 Setting Block, .12 x 1 x 2 RUBBER 19 P-3305 Wstp., 0.270 x 0.187 High Density NYLON 20 P-3539 #8 x 3/4" Phillips Square SMS STEEL 21 P-3541 #8 x 1/2" Quadrex PH TEK STEEL 22 P-4771 36"-BetterVue Insect Screen, 18x16 VINYL 23 P-5588 Hole Plug, 1/2" NYLON 24 P-3783 Lock, Impact NYLON 25 P-4051 #8 x 1 1/4" Ph Fh TEK, Wht. STEEL 26 P-4056 Sash Cam NYLON 27 P-4069 Keeper, Impact ZAMAC 28 P-4479 Weep Housing & Flap Assm. PVC 29 P-4638 #8 x 2 1/2 Phil Truss SMS STEEL 30 P-4959 Wstp., 0.420 x 0.187 back FinSeal NYLON 31 S-2129 Reinforcement for SSR ALUMINUM 32 S-6226 Screen Support PVC 34	15	P-5576	Screen Spline, .125"	VINYL FOAM
18 P-5612 Setting Block, .12 x 1 x 2 RUBBER 19 P-3305 Wstp., 0.270 x 0.187 High Density NYLON 20 P-3539 #8 x 3/4" Phillips Square SMS STEEL 21 P-3541 #8 x 1/2" Quadrex PH TEK STEEL 22 P-4771 36"-BetterVue Insect Screen, 18x16 VINYL 23 P-5588 Hole Plug, 1/2" NYLON 24 P-3783 Lock, Impact NYLON 25 P-4051 #8 x 1 1/4" Ph Fh TEK, Wht. STEEL 26 P-4056 Sash Cam NYLON 27 P-4069 Keeper, Impact ZAMAC 28 P-4479 Weep Housing & Flap Assm. PVC 29 P-4638 #8 x 2 1/2 Phil Truss SMS STEEL 30 P-4959 Wstp., 0.420 x 0.187 back FinSeal NYLON 31 S-2129 Reinforcement for SSR ALUMINUM 32 S-6226 Screen Support PVC 34 S-6025 Sash Stop PVC 35	16	P-4754	SCREEN CORNER KEY	NYLON
19 P-3305 Wstp., 0.270 x 0.187 High Density NYLON 20 P-3539 #8 x 3/4" Phillips Square SMS STEEL 21 P-3541 #8 x 1/2" Quadrex PH TEK STEEL 22 P-4771 36"-BetterVue Insect Screen, 18x16 VINYL 23 P-5588 Hole Plug, 1/2" NYLON 24 P-3783 Lock, Impact NYLON 25 P-4051 #8 x 1 1/4" Ph Fh TEK, Wht. STEEL 26 P-4056 Sash Cam NYLON 27 P-4069 Keeper, Impact ZAMAC 28 P-4479 Weep Housing & Flap Assm. PVC 29 P-4638 #8 x 2 1/2 Phil Truss SMS STEEL 30 P-4959 Wstp., 0.420 x 0.187 back FinSeal NYLON 31 S-2129 Reinforcement for SSR ALUMINUM 32 S-6226 Screen Support PVC 33 S-6227 Screen Adaptor PVC 34 S-6025 Sash Stop PVC 35 S-6228<	17	P-3342	Seam Sealer	
20 P-3539 #8 x 3/4" Phillips Square SMS STEEL 21 P-3541 #8 x 1/2" Quadrex PH TEK STEEL 22 P-4771 36"-BetterVue Insect Screen, 18x16 VINYL 23 P-5588 Hole Plug, 1/2" NYLON 24 P-3783 Lock, Impact NYLON 25 P-4051 #8 x 1 1/4" Ph Fh TEK, Wht. STEEL 26 P-4056 Sash Cam NYLON 27 P-4069 Keeper, Impact ZAMAC 28 P-4479 Weep Housing & Flap Assm. PVC 29 P-4638 #8 x 2 1/2 Phil Truss SMS STEEL 30 P-4959 Wstp., 0.420 x 0.187 back FinSeal NYLON 31 S-2129 Reinforcement for SSR ALUMINUM 32 S-6226 Screen Support PVC 33 S-6227 Screen Adaptor PVC 34 S-6025 Sash Stop PVC 35 S-6228 Fixed Rail Cover PVC 36 S-6237 Gl	18	P-5612	Setting Block, .12 x 1 x 2	RUBBER
21 P-3541 #8 x 1/2" Quadrex PH TEK STEEL 22 P-4771 36"-Better Vue Insect Screen, 18x16 VINYL 23 P-5588 Hole Plug, 1/2" NYLON 24 P-3783 Lock, Impact NYLON 25 P-4051 #8 x 1 1/4" Ph Fh TEK, Wht. STEEL 26 P-4056 Sash Cam NYLON 27 P-4069 Keeper, Impact ZAMAC 28 P-4479 Weep Housing & Flap Assm. PVC 29 P-4638 #8 x 2 1/2 Phil Truss SMS STEEL 30 P-4959 Wstp., 0.420 x 0.187 back FinSeal NYLON 31 S-2129 Reinforcement for SSR ALUMINUM 32 S-6226 Screen Support PVC 33 S-6227 Screen Adaptor PVC 34 S-6025 Sash Stop PVC 35 S-6228 Fixed Rail Cover PVC 36 S-6237 Glazing Bead PVC 37 FIXED SEE SHEET 2	19	P-3305	Wstp., 0.270 x 0.187 High Density	NYLON
22 P-4771 36"-Better Vue Insect Screen, 18x16 VINYL 23 P-5588 Hole Plug, 1/2" NYLON 24 P-3783 Lock, Impact STEEL 25 P-4051 #8 x 1 1/4" Ph Fh TEK, Wht. STEEL 26 P-4056 Sash Cam NYLON 27 P-4069 Keeper, Impact ZAMAC 28 P-4479 Weep Housing & Flap Assm. PVC 29 P-4638 #8 x 2 1/2 Phil Truss SMS STEEL 30 P-4959 Wstp., 0.420 x 0.187 back FinSeal NYLON 31 S-2129 Reinforcement for SSR ALUMINUM 32 S-6226 Screen Support PVC 33 S-6227 Screen Adaptor PVC 34 S-6025 Sash Stop PVC 35 S-6228 Fixed Rail Cover PVC 36 S-6237 Glazing Bead PVC 37 FIXED SEE SHEET 2 GLASS 38 SASH SEE SHEET 2 GLASS </td <td>20</td> <td>P-3539</td> <td>#8 x 3/4" Phillips Square SMS</td> <td>STEEL</td>	20	P-3539	#8 x 3/4" Phillips Square SMS	STEEL
23 P-5588 Hole Plug, 1/2" NYLON 24 P-3783 Lock, Impact STEEL 25 P-4051 #8 x 1 1/4" Ph Fh TEK, Wht. STEEL 26 P-4056 Sash Cam NYLON 27 P-4069 Keeper, Impact ZAMAC 28 P-4479 Weep Housing & Flap Assm. PVC 29 P-4638 #8 x 2 1/2 Phil Truss SMS STEEL 30 P-4959 Wstp., 0.420 x 0.187 back FinSeal NYLON 31 S-2129 Reinforcement for SSR ALUMINUM 32 S-6226 Screen Support PVC 33 S-6227 Screen Adaptor PVC 34 S-6025 Sash Stop PVC 35 S-6228 Fixed Rail Cover PVC 36 S-6237 Glazing Bead PVC 37 FIXED SEE SHEET 2 GLASS 38 SASH SEE SHEET 2 GLASS 39 SASH BALANCE STEEL 40	21	P-3541	#8 x 1/2" Quadrex PH TEK	STEEL
24 P-3783 Lock, Impact 25 P-4051 #8 x 1 1/4" Ph Fh TEK, Wht. STEEL 26 P-4056 Sash Cam NYLON 27 P-4069 Keeper, Impact ZAMAC 28 P-4479 Weep Housing & Flap Assm. PVC 29 P-4638 #8 x 2 1/2 Phil Truss SMS STEEL 30 P-4959 Wstp., 0.420 x 0.187 back FinSeal NYLON 31 S-2129 Reinforcement for SSR ALUMINUM 32 S-6226 Screen Support PVC 33 S-6227 Screen Adaptor PVC 34 S-6025 Sash Stop PVC 35 S-6228 Fixed Rail Cover PVC 36 S-6237 Glazing Bead PVC 37 FIXED SEE SHEET 2 GLASS 38 SASH SEE SHEET 2 GLASS 39 SASH BALANCE STEEL 40 Purfect Glaze "H" or Sikaflex 552 SILICONE	22	P-4771	36"-BetterVue Insect Screen, 18x16	VINYL
25 P-4051 #8 x 1 1/4" Ph Fh TEK, Wht. STEEL 26 P-4056 Sash Cam NYLON 27 P-4069 Keeper, Impact ZAMAC 28 P-4479 Weep Housing & Flap Assm. PVC 29 P-4638 #8 x 2 1/2 Phil Truss SMS STEEL 30 P-4959 Wstp., 0.420 x 0.187 back FinSeal NYLON 31 S-2129 Reinforcement for SSR ALUMINUM 32 S-6226 Screen Support PVC 33 S-6227 Screen Adaptor PVC 34 S-6025 Sash Stop PVC 35 S-6228 Fixed Rail Cover PVC 36 S-6237 Glazing Bead PVC 37 FIXED SEE SHEET 2 GLASS 38 SASH SEE SHEET 2 GLASS 39 SASH BALANCE STEEL 40 Purfect Glaze "H" or Sikaflex 552 SILICONE	23	P-5588	Hole Plug, 1/2"	NYLON
26 P-4056 Sash Cam NYLON 27 P-4069 Keeper, Impact ZAMAC 28 P-4479 Weep Housing & Flap Assm. PVC 29 P-4638 #8 x 2 1/2 Phil Truss SMS STEEL 30 P-4959 Wstp., 0.420 x 0.187 back FinSeal NYLON 31 S-2129 Reinforcement for SSR ALUMINUM 32 S-6226 Screen Support PVC 33 S-6227 Screen Adaptor PVC 34 S-6025 Sash Stop PVC 35 S-6228 Fixed Rail Cover PVC 36 S-6237 Glazing Bead PVC 37 FIXED SEE SHEET 2 GLASS 38 SASH SEE SHEET 2 GLASS 39 SASH BALANCE STEEL 40 Purfect Glaze "H" or Sikaflex 552 SILICONE	24			
27 P-4069 Keeper, Impact ZAMAC 28 P-4479 Weep Housing & Flap Assm. PVC 29 P-4638 #8 x 2 1/2 Phil Truss SMS STEEL 30 P-4959 Wstp., 0.420 x 0.187 back FinSeal NYLON 31 S-2129 Reinforcement for SSR ALUMINUM 32 S-6226 Screen Support PVC 33 S-6227 Screen Adaptor PVC 34 S-6025 Sash Stop PVC 35 S-6228 Fixed Rail Cover PVC 36 S-6237 Glazing Bead PVC 37 FIXED SEE SHEET 2 GLASS 38 SASH SEE SHEET 2 GLASS 39 SASH BALANCE STEEL 40 Purfect Glaze "H" or Sikaflex 552 SILICONE	25	P-4051	-	STEEL
28 P-4479 Weep Housing & Flap Assm. PVC 29 P-4638 #8 x 2 1/2 Phil Truss SMS STEEL 30 P-4959 Wstp., 0.420 x 0.187 back FinSeal NYLON 31 S-2129 Reinforcement for SSR ALUMINUM 32 S-6226 Screen Support PVC 33 S-6227 Screen Adaptor PVC 34 S-6025 Sash Stop PVC 35 S-6228 Fixed Rail Cover PVC 36 S-6237 Glazing Bead PVC 37 FIXED SEE SHEET 2 GLASS 38 SASH SEE SHEET 2 GLASS 39 SASH BALANCE STEEL 40 Purfect Glaze "H" or Sikaflex 552 SILICONE		P-4056	Sash Cam	NYLON
29 P-4638 #8 x 2 1/2 Phil Truss SMS STEEL 30 P-4959 Wstp., 0.420 x 0.187 back FinSeal NYLON 31 S-2129 Reinforcement for SSR ALUMINUM 32 S-6226 Screen Support PVC 33 S-6227 Screen Adaptor PVC 34 S-6025 Sash Stop PVC 35 S-6228 Fixed Rail Cover PVC 36 S-6237 Glazing Bead PVC 37 FIXED SEE SHEET 2 GLASS 38 SASH SEE SHEET 2 GLASS 39 SASH BALANCE STEEL 40 Purfect Glaze "H" or Sikaflex 552 SILICONE	27			ZAMAC
30 P-4959 Wstp., 0.420 x 0.187 back FinSeal NYLON 31 S-2129 Reinforcement for SSR ALUMINUM 32 S-6226 Screen Support PVC 33 S-6227 Screen Adaptor PVC 34 S-6025 Sash Stop PVC 35 S-6228 Fixed Rail Cover PVC 36 S-6237 Glazing Bead PVC 37 FIXED SEE SHEET 2 GLASS 38 SASH SEE SHEET 2 GLASS 39 SASH BALANCE STEEL 40 Purfect Glaze "H" or Sikaflex 552 SILICONE	28	P-4479	Weep Housing & Flap Assm.	PVC
31 S-2129 Reinforcement for SSR ALUMINUM 32 S-6226 Screen Support PVC 33 S-6227 Screen Adaptor PVC 34 S-6025 Sash Stop PVC 35 S-6228 Fixed Rail Cover PVC 36 S-6237 Glazing Bead PVC 37 FIXED SEE SHEET 2 GLASS 38 SASH SEE SHEET 2 GLASS 39 SASH BALANCE STEEL 40 Purfect Glaze "H" or Sikaflex 552 SILICONE	29	P-4638	#8 x 2 1/2 Phil Truss SMS	STEEL
32 S-6226 Screen Support PVC 33 S-6227 Screen Adaptor PVC 34 S-6025 Sash Stop PVC 35 S-6228 Fixed Rail Cover PVC 36 S-6237 Glazing Bead PVC 37 FIXED SEE SHEET 2 GLASS 38 SASH SEE SHEET 2 GLASS 39 SASH BALANCE STEEL 40 Purfect Glaze "H" or Sikaflex 552 SILICONE	30	P-4959	Wstp., 0.420 x 0.187 back FinSeal	NYLON
33 S-6227 Screen Adaptor PVC 34 S-6025 Sash Stop PVC 35 S-6228 Fixed Rail Cover PVC 36 S-6237 Glazing Bead PVC 37 FIXED SEE SHEET 2 GLASS 38 SASH SEE SHEET 2 GLASS 39 SASH BALANCE STEEL 40 Purfect Glaze "H" or Sikaflex 552 SILICONE	31	S-2129	Reinforcement for SSR	ALUMINUM
34 S-6025 Sash Stop PVC 35 S-6228 Fixed Rail Cover PVC 36 S-6237 Glazing Bead PVC 37 FIXED SEE SHEET 2 GLASS 38 SASH SEE SHEET 2 GLASS 39 SASH BALANCE STEEL 40 Purfect Glaze "H" or Sikaflex 552 SILICONE	32	S-6226	Screen Support	PVC
35 S-6228 Fixed Rail Cover PVC 36 S-6237 Glazing Bead PVC 37 FIXED SEE SHEET 2 GLASS 38 SASH SEE SHEET 2 GLASS 39 SASH BALANCE STEEL 40 Purfect Glaze "H" or Sikaflex 552 SILICONE				
36 S-6237 Glazing Bead PVC 37 FIXED SEE SHEET 2 GLASS 38 SASH SEE SHEET 2 GLASS 39 SASH BALANCE STEEL 40 Purfect Glaze "H" or Sikaflex 552 SILICONE	34			_
37 FIXED SEE SHEET 2 GLASS 38 SASH SEE SHEET 2 GLASS 39 SASH BALANCE STEEL 40 Purfect Glaze "H" or Sikaflex 552 SILICONE	35	S-6228	Fixed Rail Cover	PVC
38SASHSEE SHEET 2GLASS39SASH BALANCESTEEL40Purfect Glaze "H" or Sikaflex 552SILICONE	36			PVC
39 SASH BALANCE STEEL 40 Purfect Glaze "H" or Sikaflex 552 SILICONE	37	FIXED	SEE SHEET 2	GLASS
40 Purfect Glaze "H" or Sikaflex 552 SILICONE	38	SASH	SEE SHEET 2	GLASS
	39		SASH BALANCE	STEEL
41 #10 x 2" Pan Phil sms STEEL	40		Purfect Glaze "H" or Sikaflex 552	SILICONE
	41		#10 x 2" Pan Phil sms	STEEL



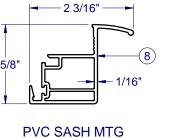


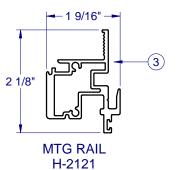


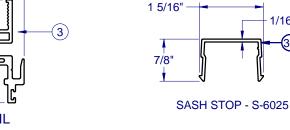


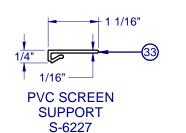
RAIL

H-6224











FRAME CORNER CONSTRUCTION

CORNER WELD (ALL SIDES)

1:8

FIXED MEETING RAIL

SCREWED TOGETHER WITH OUTERFRAME

- 1/16"

510 PVC SINGLE HUNG IMPACT

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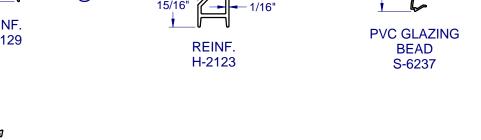
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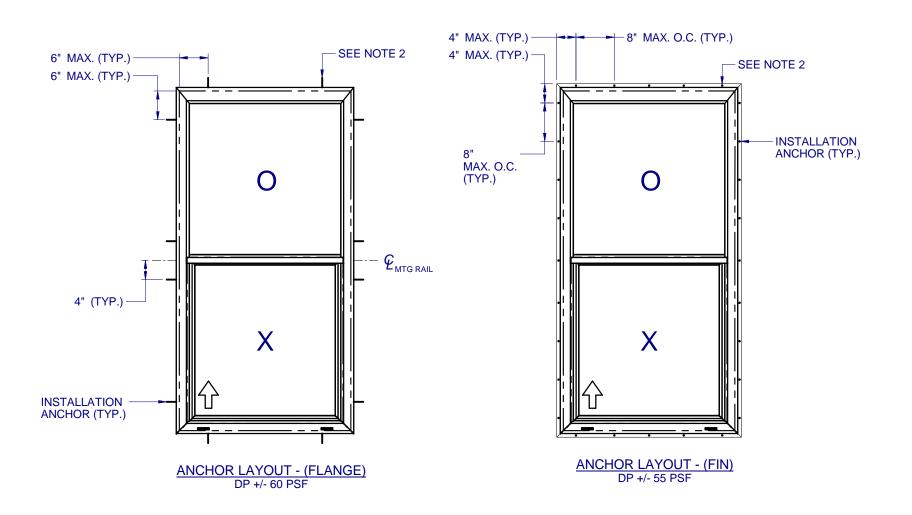
BOM AND EXTRUSIONS

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DWG #:	REV.:
PEL-957	С
SCALE:	SHEET
1:2	4 OF 6





NOTE: ALL ALUMINUM EXTRUSIONS ARE 6063-T6 UNLESS OTHERWISE NOTED.



NOTES:

- 1. INSTALL ONE ANCHOR AT EACH INSTALLATION LOCATION. SILL ANCHOR SPACING SAME AS HEAD.
- 2. SHIM AS REQ AT EACH INSTALLATION ANCHOR USING LOAD BEARING SHIMS. MAX. ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE SPACE GREATER THAN 1/16" IS PRESENT. LOAD BEARING SHIMS SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER, WOOD SHIMS ARE NOT ALLOWED.
- 3. ANCHOR TYPE, SIZE, SPACING AND EMBEDMENT SHALL BE AS SPECIFIED IN THESE DRAWINGS, SEE TABLE 1, SHEET 6.
- 4. ALL INSTALLATION ANCHORS MUST BE MADE OF OR PROTECTED WITH A CORROSION RESISTANT MATERIAL OR COATING. DISSIMILAR METALS OR MATERIALS IN CONTACT WITH PRESSURE TREATED WOOD MUST BE PROTECTED TO PREVENT REACTION.
- 5. INSTALLATION ANCHORS SHALL BE IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM SPECIFIED IN TABLE 1. SHEET 6.
- 6. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO. FOR CONCRETE/CMU OPENINGS, EMBEDMENT SHALL BE BEYOND WOOD BUCKS, IF USED, INTO SUBSTRATE, INSTALLATIONS TO SOLID CONCRETE OR GROUT-FILLED CMU MAY INCLUDE BUT DO NOT REQUIRE 1X WOOD BUCKS BETWEEN THE PRODUCT AND THE SUBSTRATE. INSTALLATIONS TO HOLLOW CMU REQUIRE THE USE OF 1X BUCKS BETWEEN THE PRODUCT AND SUBSTRATE.
- 7. A MINIMUM CENTER-TO-CENTER SPACING SHALL BE MAINTAINED BETWEEN ALL FASTENERS: 3" FOR MASONRY, 1" FOR WOOD AND METAL.
- 8. WOOD OR MASONRY OPENINGS, BUCKS AND BUCK FASTENERS SHALL BE PROPERLY DESIGNED BY THE ARCHITECT OR ENGINEER OF RECORD AND INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE. SUBSTRATES SHALL MEET THE MINIMUM STRENGTH REQUIREMENTS AS SHOWN IN TABLE1, SHEET 6. CONCRETE AND MASONRY SUBSTRATES MAY NOT BE CRACKED.
- 9. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS FOLLOWING THE CURRENT VERSION OF THE REFERENCE DOCUMENTS: FMA/AAMA 100(FIN WINDOWS), FMA/AAMA 200(FLANGE WINDOWS), FMA/WDMA 250(BOX WINDOWS), FMA/AAMA/WDMA 300(EXTERIOR DOORS)

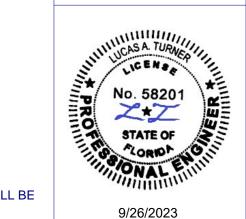


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ANCHOR SCHEDULE AND NOTES

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1:20	5 OF 6

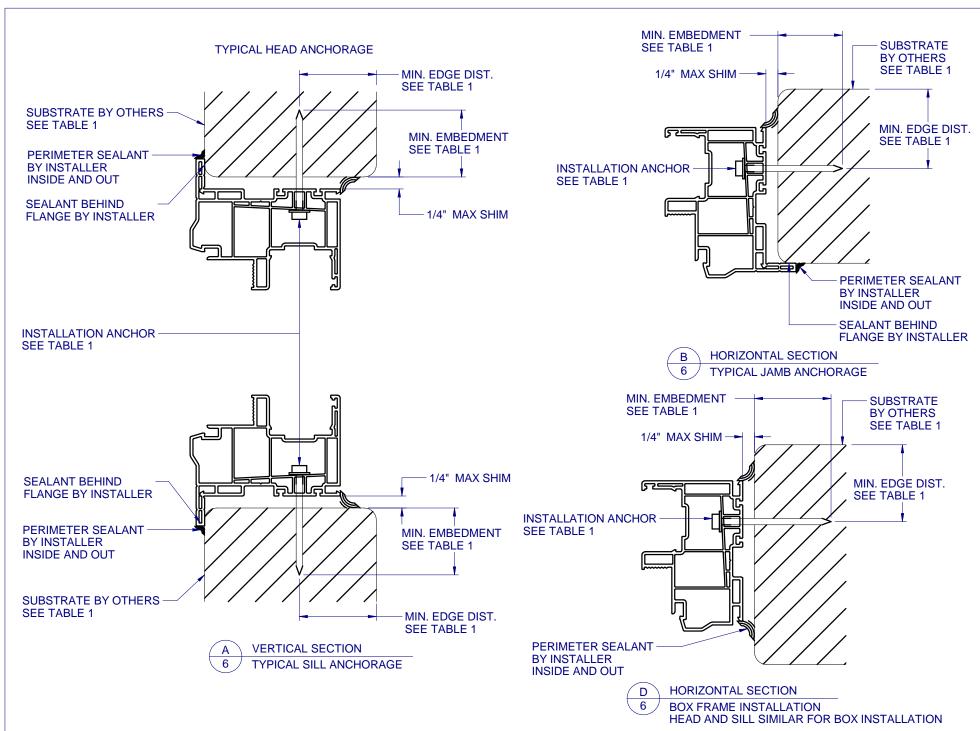
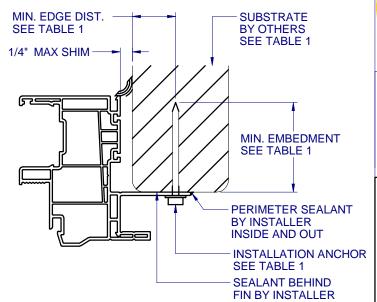
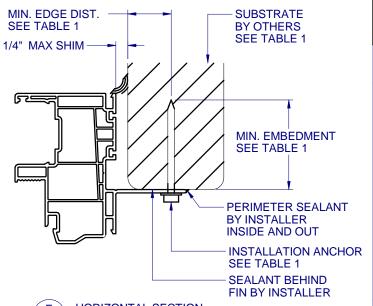


TABLE 1: APPROVED INSTALLATION FASTENERS				
FRAME TYPE	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DIST.
FLANGE	CONCRETE (2.0 KSI MIN.)	3/16" ITW TAPCON	1-1/2"	1-1/8"
FLANGE	HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	3/16" ITW TAPCON	1"	2"
FLANGE	CONCRETE (3.05 KSI MIN.)	3/16" DEWALT ULTRACON+	1-3/4"	1"
FLANGE	HOLLOW OR GROUT-FILLED CMU (ASTM C-90)	3/16" DEWALT ULTRACON+	1-1/4"	2-1/2"
FLANGE	2X MIN. SOUTHERN PINE (G=0.55)	3/16" ITW TAPCON OR DEWALT ULTRACON+	1-3/8"	7/8"
FLANGE	2X MIN. SOUTHERN PINE (G=0.55)	#10 WOOD SCREW	1-3/8"	7/8"
FLANGE	16 GAUGE (0.060") MIN. STEEL STUD (33 KSI YIELD MIN)	#10-16 HILTI KWIK-FLEX OR ITW TEKS SELF-DRILLING SCREW	FULL THREAD THRU 0.060"	7/16"
FLANGE	1/8" ALUM. (6063-T5 MIN.) OR 1/8" STEEL (33 KSI MIN.)	#10 GRADE 5 SELF-TAPPING / DRILLING SCREW	FULL THREAD THRU 0.125"	7/16"
FIN	2X MIN. SOUTHERN PINE (G=0.55)	#8 WOOD SCREW	1-1/2"	7/16"



HORIZONTAL SECTION

TYPICAL FIN ANCHORAGE HEAD AND SILL SIMILAR FOR FIN INSTALLATION



HORIZONTAL SECTION

TYPICAL FIN ANCHORAGE HEAD AND SILL SIMILAR FOR FIN INSTALLATION

FLANGE REMOVAL NOTE: PARTIALLY OR FULLY REMOVING THE FLANGE, UP TO AND INCLUDING A BOX-FRAME APPLICATION IS ACCEPTABLE PROVIDED:

- MIN. 1/4" FILLET OF CONSTRUCTION-GRADE ADHESIVE CAULK IS APPLIED INSIDE AND OUT, FULL PERIMETER, BY INSTALLER.
- PRODUCT ANCHORAGE IS IN ACCORDANCE WITH REQUIREMENTS AS SHOWN FOR FLANGE WINDOWS.



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SCALE:	SHEET
1:2	6 OF 6