

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING			
B. SLIDING	Pella	Sliding Door	33464.1
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	Pella	Single Hung Window	33513.4
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING			
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES			
B. NON-STRUCTURAL METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCTURAL COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR			
ENVELOPE PRODUCTS			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.



 Contractor OR Agent Signature

7/2/2025

Date

NOTES: _____



Product Approval
USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > **Application List**

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SECRETARY

Search Criteria

[Refine Search](#)

Code Version	2023	FL#	33464.1
Application Type	ALL	Product Manufacturer	ALL
Category	ALL	Subcategory	ALL
Application Status	ALL	Compliance Method	ALL
Quality Assurance Entity	ALL	Quality Assurance Entity Contract Expired	ALL
Product Model, Number or Name	ALL	Product Description	ALL
Approved for use in HVHZ	ALL	Approved for use outside HVHZ	ALL
Impact Resistant	ALL	Design Pressure	ALL
Other	ALL		

Search Results - Applications

FL#	Type	Manufacturer	Validated By	Status
FL33464-R1 History	Revision	Pella Corporation FL#: FL33464.1 Model: SPD-590 Description: SPD-590 Sliding Patio Door, 16080, OXXO, Non-Impact Category: Exterior Doors Subcategory: Sliding Exterior Door Assemblies	Steven M. Urich, PE (717) 317-8454	Approved

*Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.

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Product Approval Accepts:



SLIDING GLASS DOOR - NON-IMPACT

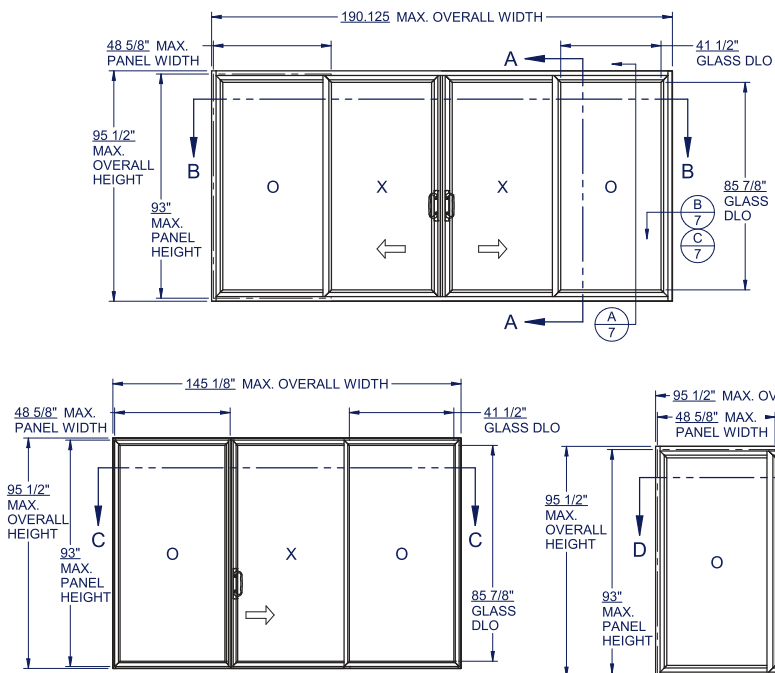


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MAX. PANEL SIZE	DESIGN PRESSURE RATING	IMPACT RATING
48-5/8" x 93"	SEE COMPARATIVE ANALYSIS CHART, SHEET 2	NONE

MAX. OF FOUR (4) PANELS IS ALLOWED AS LONG AS INDIVIDUAL PANELS DO NOT EXCEED PANEL SIZE AS SHOWN.

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 USE IN THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
2. GLAZING OPTIONS: (SEE SHEET 2)
3. APPROVED CONFIGURATIONS INCLUDE BUT ARE NOT LIMITED TO: "XO", "OX", "OXO", "OXXO".
4. DESIGN PRESSURE RATING (SEE SHEET 2):
-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 7 FOR ANCHOR DETAILS. WINDLOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
6. NOT APPROVED FOR IMPACT RESISTANCE. IMPACT PROTECTIVE SYSTEM IS REQUIRED IN WIND BORNE DEBRIS REGION.
7. FRAMES ARE PROCESSED AND SCREWED TOGETHER. VENTS ARE FULLY WELDED.
8. SERIES / MODEL DESIGNATION SGD-8900.
9. THE DESIGNATION X AND O STAND FOR THE FOLLOWING:
X = OPERABLE SASH, O = FIXED SASH
10. SECTION CALLOUTS APPLY TO ALL CONFIGURATIONS IN A SIMILAR LOCATION.
11. WEEP SLOTS = 1/4" x 1-1/4" LOCATED 3" FROM BOTH ENDS.

Lucas Turner
2023.10.03
15:18:09
-05'00'



590 PVC SLIDING PATIO DOOR NON-IMPACT

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FLORIDA APPROVAL NO.:
33464

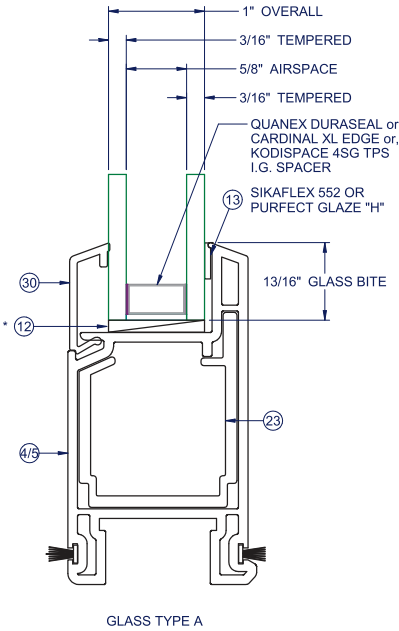


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2428 Old Natchez Trc Trl
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GENERAL NOTES AND ELEVATIONS

DRAWN BY:	DATE:
MCS	9/18/2023
DWG #:	REV.:
PEL-496	A
SCALE:	SHEET
1:40	1 OF 7

		Width											
		59.5	71.5	84	95.5	91	109	126	145	118	142	168	190
Panel Size		30.625	36.625	42.875	48.625	30.625	36.625	42.25	48.625	30.625	36.625	42.625	48.625
Unit	Configuration	OX,XO	OX,XO	OX,XO	OX,XO	OXO	OXO	OXO	OXO	OXO	OXO	OXO	OXO
Height	Glass Type												
80	A	-90/+60	-90/+60	-82.2/+60	-72/+60	-90/+60	-90/+60	-82.2/+60	-72/+60	-90/+60	-90/+60	-82.2/+60	-72/+60
84	A	-90/+60	-87.3/+60	-78.4/+60	-68.5/+60	-90/+60	-87.3/+60	-78.4/+60	-68.5/+60	-90/+60	-87.3/+60	-78.4/+60	-68.5/+60
90	A	-90/+60	-80/+60	-71.6/+60	-64/+60	-90/+60	-80/+60	-71.6/+60	-64/+60	-90/+60	-80/+60	-71.6/+60	-64/+60
96	A	-85.3/+60	-73.8/+60	-65.8/+60	+60/-60	-85.3/+60	-73.8/+60	-65.8/+60	+60/-60	-85.3/+60	-73.8/+60	-65.8/+60	+60/-60



SILL RISER	MAX. POSITIVE DP
* NONE	60
1737	60

* INSTALLATION WITH NO SILL RISER ALLOWED ONLY WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED.



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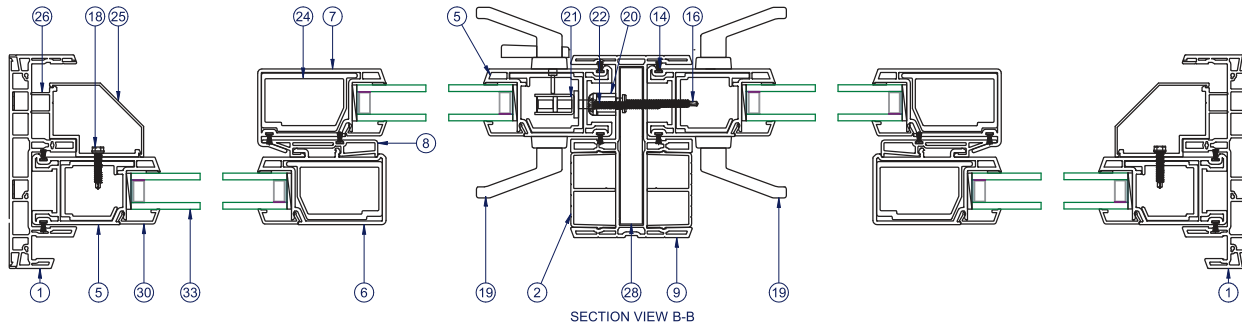
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SHEET DESCRIPTION:
COMPARATIVE ANALYSIS AND GLAZING DETAIL

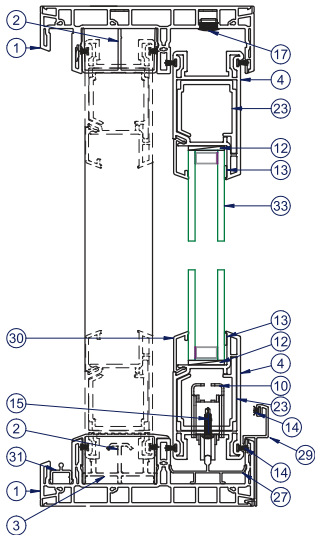
DRAWN BY:	DATE:
MCS	9/18/2023
DWG #:	REV.:
PEL-496	A
SCALE:	SHEET
1:1	2 OF 7

NOTE: IF SIZE INTENDED IS NOT SHOWN, USE NEXT LARGER SIZE.

SETTING BLOCKS PER FBC 2411.3.3.1



SECTION VIEW B-B



SECTION VIEW A-A

SILL RISER	MAX. POSITIVE DP
* NONE	60
1737	60

* INSTALLATION WITH NO SILL RISER ALLOWED ONLY WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED.



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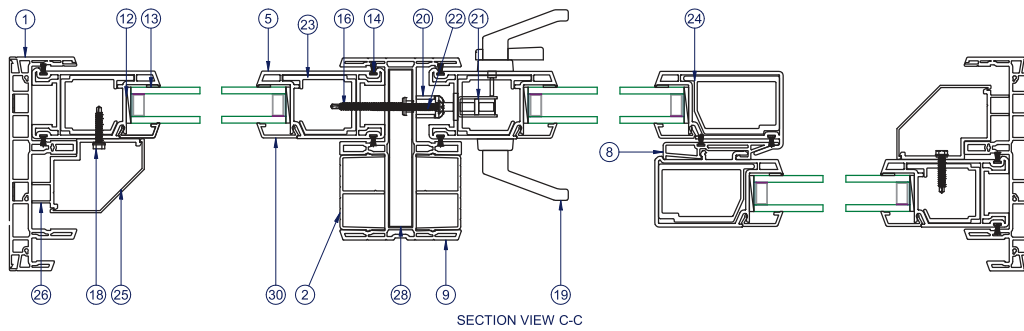
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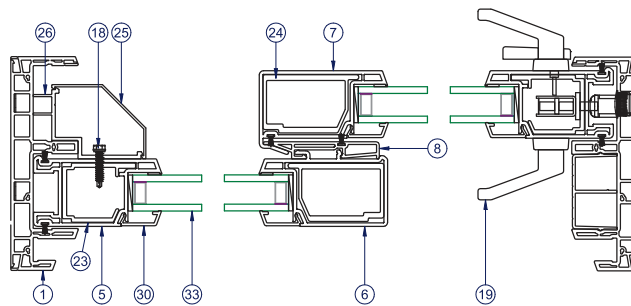
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SECTION VIEWS
OXXO

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PEL-496	A
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1:2	3 OF 7



SECTION VIEW C-C



SECTION VIEW D-D

NOTE: VERTICAL SECTION SIMILAR FOR ALL CONFIGURATIONS, SEE SHEET 3



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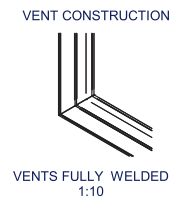
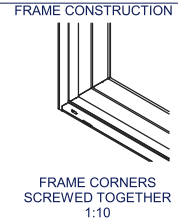
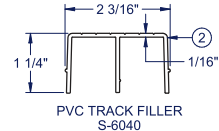
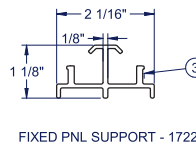
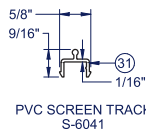
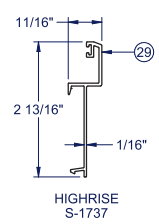
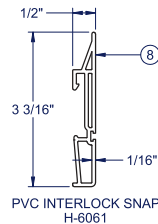
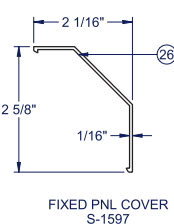
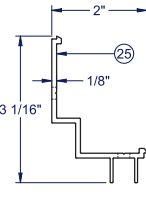
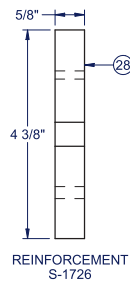
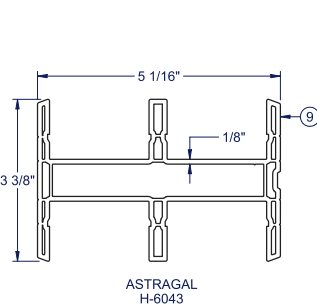
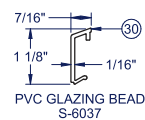
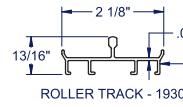
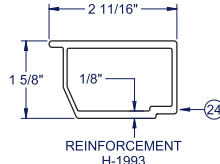
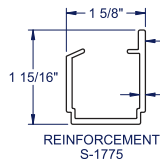
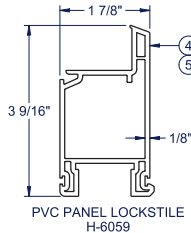
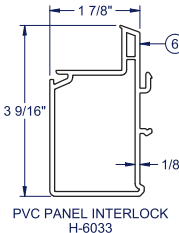
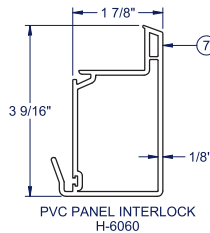
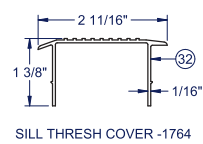
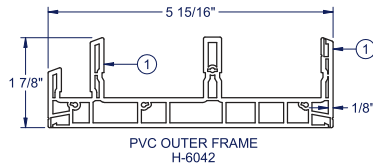
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SHEET DESCRIPTION:

SECTION VIEWS
OXO & OX

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MCS	9/18/2023
DWG #:	REV.:
PEL-496	A
SCALE:	SHEET
1:2	4 OF 7

PARTS LIST			
ITEM	PART NO.	DESCRIPTION	MATERIAL
1	H-6042	FRAME, MAIN, SGD	PVC
2	S-6040	THRESHOLD/FILLER, SGD	PVC
3	S-1722	Fixed Panel Support	ALUM
4	H-6059	PANEL RAIL PVC SGD W/INTEGRAL WSTP	PVC
5	H-6059	PANEL RAIL PVC SGD W/INTEGRAL WSTP	PVC
6	H-6033	PANEL, INTERLOCK, FIXED	PVC
7	H-6060	PANEL INTLK, OPER, PVC SGD	PVC
8	H-6061	CATCH PNL INTLK, PVC SGD W/ INTEGRAL	PVC
9	H-6043	ASTRAGAL, SGD	PVC
10	P-3142	ROLLER,SGD,ADJUSTABLE,STAINLESS W	STEEL
11	P-3342	SEAM SEALER, SM-5504	
12	P-5531	Setting Block, .09 x 1 x 2	RUBBER
13	P-3438	SIKAFLEX 552 OR PURFECT GLAZE "H"	
14	P-3429	WSTP, 0.270 X .187, BACK FINSEAL, GRAY	
15	P-3539	#8 X 3/4" QUAD PHILIPS, TEK	ZINC
16	P-3557	#10 x 2, HEX HEAD, TEK	ZINC
17	P-5588	CAP PLUG, 1/2" HOLE	NYLON
18	P-3767	#10 X 1" HEX WASHER HEAD, TEK	ZINC
19	P-5535	LOCK & HANDLE KIT, PVC, SGD	STEEL
20	P-3792	3/4" KEEPER	STEEL
21	P-3793	MORTISE LOCK	STEEL
22	P-4250	#10 x 2 1/2", PH PAN, SMS	
23	S-1775	REINFORCEMENT, PVC SGD, PANEL	ALUM
24	H-1993	REINFORCEMENT, ALUMINUM, SGD, PANE	ALUM
25	S-1618	CLIP, FIXED PANEL	ALUM
26	S-1597	Fixed Panel Snap Cover, PVC SGD	ALUM
27	S-1930	Sill Roller Track, Aluminum	ALUM
28	S-1726	REINFORCEMENT, ASTRAGAL, SGD	ALUM
29	S-1737	HIGHRISE SILL, ALUMINUM	ALUM
30	S-6037	GLAZING BEAD 1.00", SGD	PVC
31	S-6041	TRACK, SCREEN, SGD	PVC
32	S-1764	SILL THRESHOLD COVER	ALUM
33	GLASS	SEE SHEET 2	



**590 PVC SLIDING
PATIO DOOR
NON-IMPACT**

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33464



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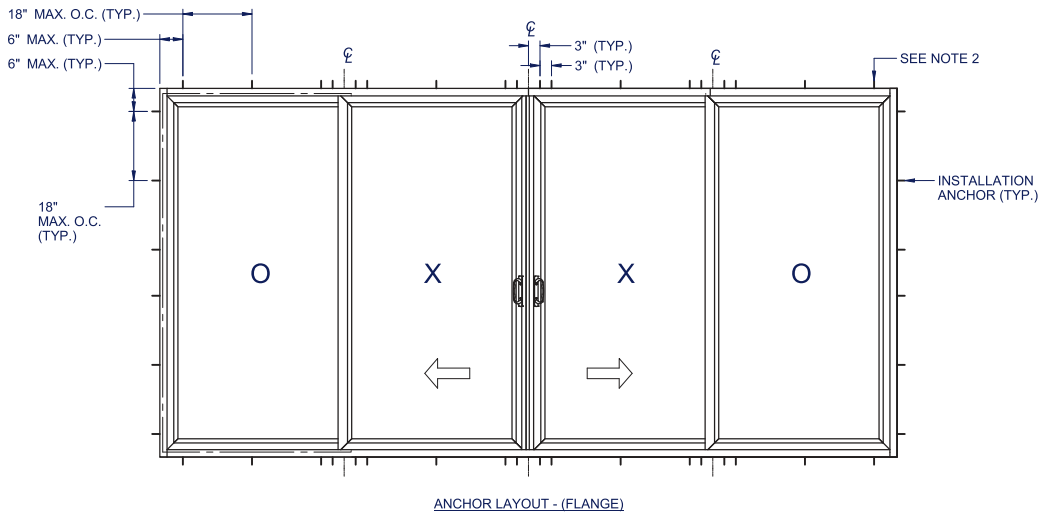
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SHEET DESCRIPTION:

BOM AND EXTRUSIONS

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MCS	9/18/2023
DWG #:	REV.:
PEL-496	A
SCALE:	SHEET
1:2	5 OF 7

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



NOTES:

1. INSTALL TWO ANCHORS 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 7.
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 7.
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 - 1X BUCKS ARE OPTIONAL.
7. A MINIMUM CENTER-TO-CENTER SPACING SHALL BE MAINTAINED BETWEEN ALL FASTENERS: 2-7/16" FOR MASONRY, 2" FOR FIXED PANEL CLIPS (ALL SUBSTRATES), 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 TABLE 1, SHEET 7. 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)



590 PVC SLIDING PATIO DOOR NON-IMPACT

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SHEET DESCRIPTION:
ANCHOR SCHEDULE AND NOTES

DRAWN BY:	MCS	DATE:	9/18/2023
DWG #:	PEL-496	REV.:	A
SCALE:	1:25	SHEET	6 OF 7

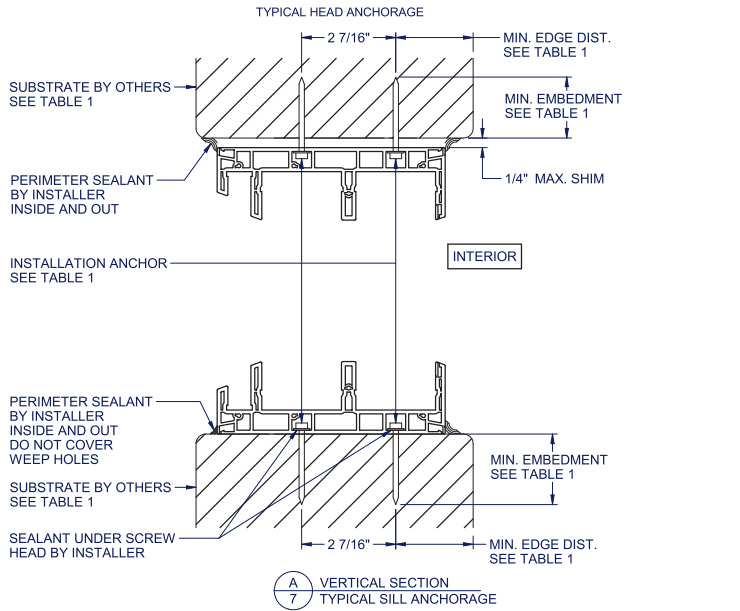
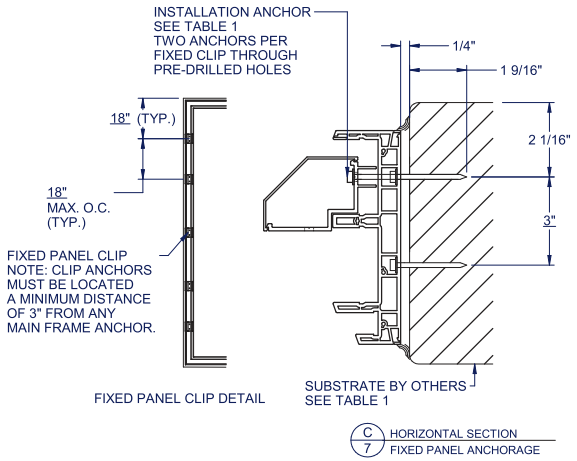
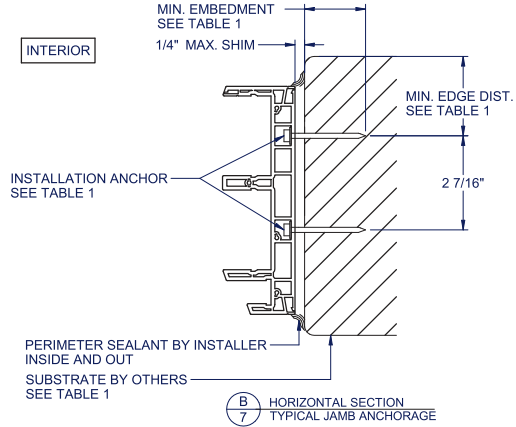


TABLE 1: APPROVED INSTALLATION FASTENERS			
SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DIST.
CONCRETE (2.0 KSI MIN.)	3/16" ITW TAPCON	1"	3"
CONCRETE (3.05 KSI MIN.)	3/16" DEWALT ULTRAACON+	1-3/4"	1"
HOLLOW OR GROUT-FILLED CMU (ASTM C-90)	3/16" DEWALT ULTRAACON+	1-1/4"	1"
2X MIN. SPRUCE-PINE-FIR (G=0.42)	3/16" ITW TAPCON OR DEWALT ULTRAACON+	1-3/8"	7/8"
2X MIN. SPRUCE-PINE-FIR (G=0.42)	#10 WOOD SCREW	1-3/8"	7/8"
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"	1/2"
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"	1/2"
FIXED PANEL CLIP ANCHORS INTO CONCRETE (2.0 KSI MIN.) OR HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	3/16" ITW TAPCON	1"	3"
FIXED PANEL CLIP ANCHORS INTO CONCRETE (3.05 KSI MIN.) OR HOLLOW OR GROUT-FILLED CMU (ASTM C-90)	3/16" DEWALT ULTRAACON+	1-1/4"	2-1/2"

NOTE: FIXED PANEL CLIP ANCHORS INTO WOOD OR METAL SHALL FOLLOW THE ANCHOR TYPE, MIN. EMBEDMENT AND MIN. EDGE DISTANCE LISTED IN TABLE 1.



590 PVC SLIDING PATIO DOOR NON-IMPACT

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FLORIDA APPROVAL NO.: 33464



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

SHEET DESCRIPTION:

INSTALLATION DETAILS

DRAWN BY:	MCS	DATE:	9/18/2023
DWG #:	PEL-496	REV.:	A
SCALE:	1:2	SHEET	7 OF 7



Product Approval
USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > **Application List**

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SECRETARY

Search Criteria

[Refine Search](#)

Code Version	2023	FL#	33513.4
Application Type	ALL	Product Manufacturer	ALL
Category	ALL	Subcategory	ALL
Application Status	ALL	Compliance Method	ALL
Quality Assurance Entity	ALL	Quality Assurance Entity Contract Expired	ALL
Product Model, Number or Name	ALL	Product Description	ALL
Approved for use in HVHZ	ALL	Approved for use outside HVHZ	ALL
Impact Resistant	ALL	Design Pressure	ALL
Other	ALL		

Search Results - Applications

FL#	Type	Manufacturer	Validated By	Status
FL33513-R2 History	Revision	Pella Corporation FL#: FL33513.4 Model: SH-510 Description: SH-510 Vinyl Single Hung Oriel Window w. HD FMR, 5 HI sash. Category: Windows Subcategory: Single Hung	Steven M. Urich, PE (717) 317-8454	Approved

*Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.

[Contact Us](#) :: 2601 Blair Stone Road, Tallahassee FL 32399 Phone: 850-487-1824

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Product Approval Accepts:



SINGLE HUNG ORIEL - LARGE MISSILE IMPACT

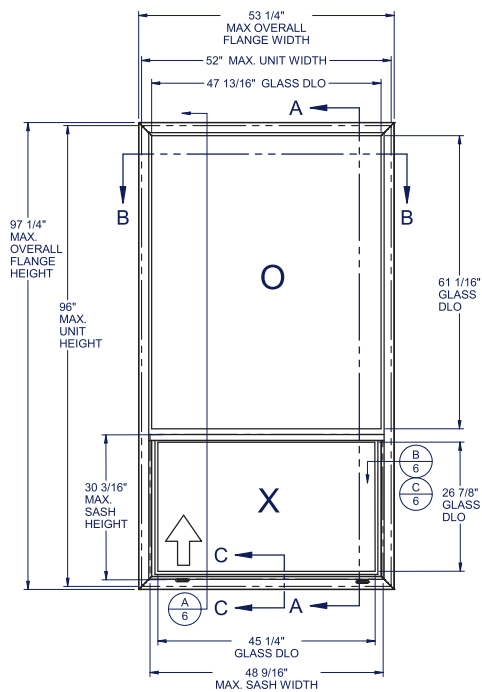


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INSTALLATION DETAILS.....	6

MAX. UNIT SIZE	DESIGN PRESSURE RATING	IMPACT RATING
52" x 96"	+/- 70 PSF	LARGE MISSILE IMPACT

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE (FBC), CURRENT EDITION INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ) AND IS RATED FOR WIND ZONE 4 MISSILE LEVEL D IMPACT USE AS DEFINED IN ASTM E 1996 PER THE FBC.
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. THE IMPACT SWEEP LOCKS ARE INTENDED TO BE LEFT UNLATCHED DURING NORMAL OPERATION OF THIS PRODUCT, BUT MUST BE ENGAGED PRIOR TO EXPOSURE TO HURRICANE WINDS AND FLYING DEBRIS.
7. ALL FRAMES AND VENTS FULLY WELDED. SMALL JOINT SEAM SEALANT USED AT FIXED MEETING RAIL AND JAMB.
8. THE DESIGNATION X AND O STAND FOR THE FOLLOWING:
X = OPERABLE SASH, O = FIXED SASH
9. SECTION CALLOUTS APPLY TO ALL ELEVATIONS IN A SIMILAR LOCATION.
10. EXTERNAL WEEP SLOT = 1/4" x 1-1/4" LOCATED 4" FROM BOTH ENDS.

Lucas Turner
2023.10.10
13:25:58
-05'00'



510 PVC SINGLE HUNG IMPACT

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FLORIDA APPROVAL NO.:

33513



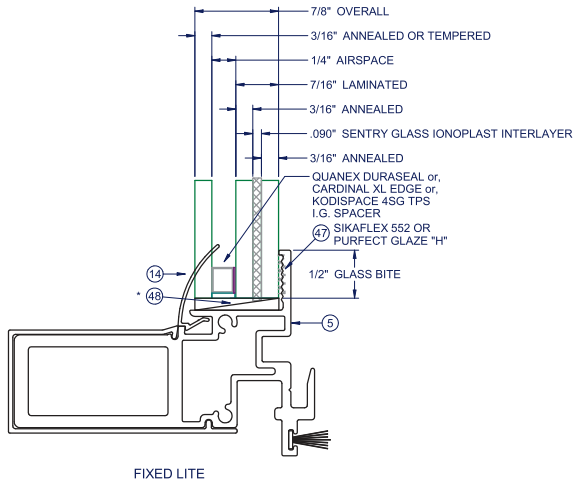
9/26/2023

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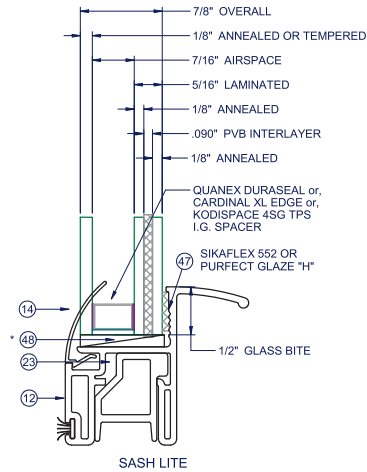
SHEET DESCRIPTION:

GENERAL NOTES AND ELEVATIONS

DRAWN BY:	DATE:
MCS	10/6/2023
DWG #:	REV.:
PEL-295	C
SCALE:	SHEET
1:20	1 OF 6



FIXED LITE



SASH LITE

* SETTING BLOCKS PER FBC 2411.3.3.1



510 PVC SINGLE HUNG IMPACT

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SHEET DESCRIPTION:

GLAZING DETAILS

DRAWN BY:	DATE:
MCS	10/6/2023
DWG #:	REV.:
PEL-295	C
SCALE:	SHEET
1:1	2 OF 6

**510 PVC
SINGLE HUNG
IMPACT**

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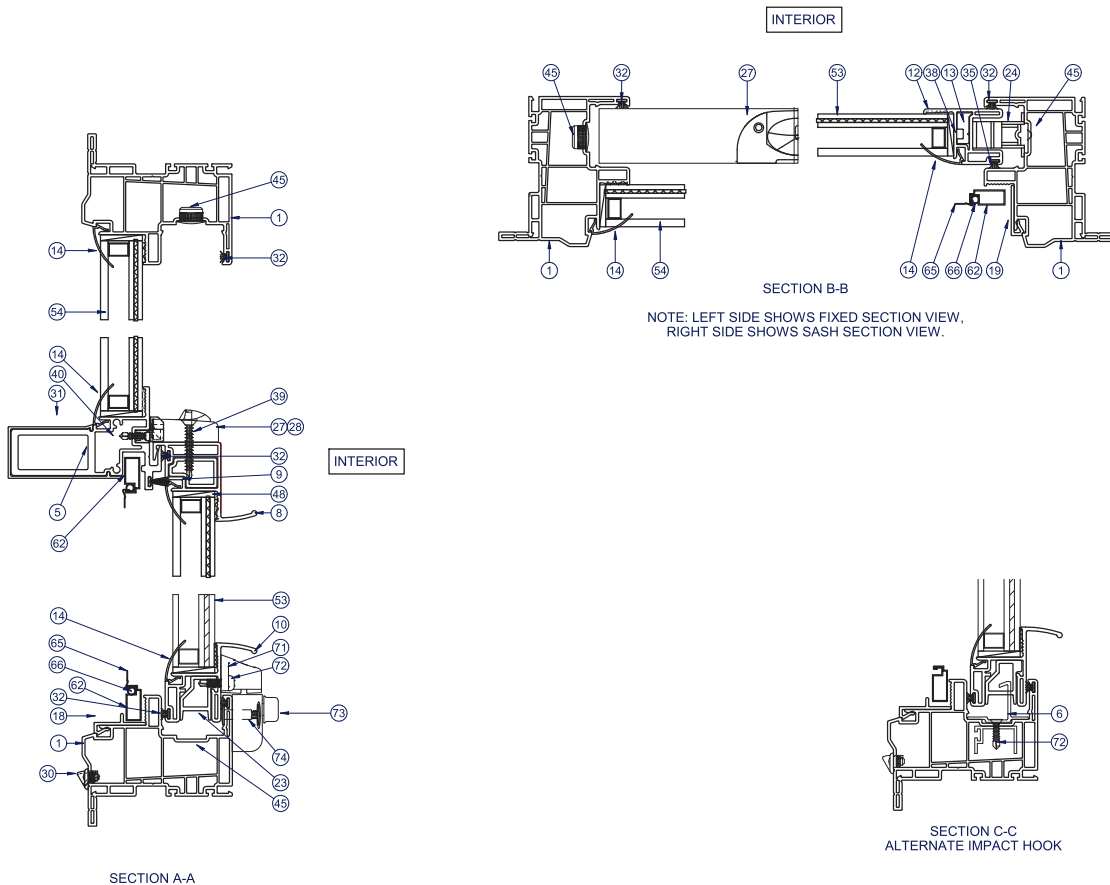
9/26/2023

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SHEET DESCRIPTION:

SECTION VIEWS

DRAWN BY:	DATE:
MCS	10/6/2023
DWG #:	REV.:
PEL-295	C
SCALE:	SHEET
1:2	3 OF 6



NOTE: ITEMS NOT SHOWN FOR CLARITY:
20, 25-26, 31, 36-37, 44, 51-52, 55-56, 64, 67-68

PARTS LIST			
Item	Part #	Description	Material
1	H-6222	Main Frame., SH, w/Flg., PVC	Vinyl
5	H-2122	Heavy Duty, Meet. Rail, Fxd, Aluminum	Alum
6	S-1577	Impact Hook	Alum
8	H-6224	Sash Meet. Rail, PVC	Vinyl
9	H-2124	Reinf. Sash Meet. Rail	Alum
10	H-6223	Sash Bottom Rail, PVC	Vinyl
12	H-6225	Sash Side/Top/Bot. Rail	Vinyl
13	S-2129	Reinf. S.B.R./S.S.R	
14	S-6237	Glz. Bd., 7/8", Fxd., Horiz.	Vinyl
18	S-6226	Scrm. Adapt., w/Nib, PVC, Horiz.	Vinyl
19	S-6227	Scrm. Adapt., PVC, Vert.	Vinyl
20	S-5087	SASH STOP, PVC 8100 FRAME, PRECUT	Vinyl
23	H-2123	Reinforcement, SBR	Alum
24		Sash Balance	
25	P-4056	SASH CAM FOR PVD WINDOW	Plastic
26	P-3295	Take Out Clip	SS
27	P-3783	Lock, Impact, PVC	
28	P-4069	Keeper, Impact, PVC	Zamac
30	P-4479	WEEP HOLE COVER	Plastic
31	S-6229	HD Fixed Meeting Rail Cover	Vinyl
32	P-3305	Wstp., 0.270 x .187 High Density	
37	P-4638	#8 x 2-1/2 PH Mod. Truss, Type A, TEK 2	Steel
38	P-3541	#8 x 1/2" Quadrex PH TEK	Steel
39	P-4051W	#8 x 1.250 Ph FH TEK, Wht.	Steel
40	P-3539	#8 x 3/4" Phillips Square SMS	Steel
44	P-3342	Seam Sealer, SM-5504	
45	P-5588	Cap Plug, 1/2" Hole	Nylon
47		Sikaflex 552 or Perfect Glaze "H"	
48	P-5612	Setting Block, .12 x 1 x 2	Rubber
53	Sash	See Glazing Chart (pg. 3)	
54	Fixed	See Glazing Chart (pg. 3)	
56		Spacer	
62	P-3218	Screen Frame	Alum
64	P-4754	SCREEN CORNER KEY (Rollform Screen)	Plastic
65	P-4770	30" BetterVue Insect Screen, 18 x 16	Fiberglass
66	P-5576	Screen Spline, .125 Black PE Ribbed	Vinyl
67	P-4755	SCREEN CORNER KEY (Rollform scrm 1")	Alum
68	P-3195	Screen Spring, SS	SS
70	P-4959	Wstp., 0.420 x .187 back FinSeal, Gray	Nylon
71	P-4952	SWEEP KEEPER	Steel
72	P-3541	#8 x 1/2", Pan Head, TEK	Zinc
73	P-4951	SWEEP LOCK	Zinc
74	P-4633	Barrel Fastener	Steel

PVC FRAME FLANGE
H-6222

PVC SASH PULL
RAIL/STILE H-6223

PVC SASH MTG
RAIL
H-6224

FRAME CORNER
CONSTRUCTION

CORNER WELD
(ALL SIDES)
1:8

FIXED MEETING RAIL
SCREWED TOGETHER WITH
OUTERFRAME
1:8

PVC SCREEN
SUPPORT
S-6227

PVC SASH
RAIL/STILE
H-6225

REINF.
H-2123

REINF. SASH MTG
RAIL
H-2124

PVC SCREEN
CATCH
S-6226

PVC SASH
STOP
S-5087

HD MTG
RAIL
H-2122

PVC HD MTG RAIL
COVER
S-6229

REINF.
S-2129

PVC GLAZING
BEAD
S-6237

IMPACT HOOK
S-1577

5"

LINE ITEMS NOT USED:
7, 11, 21-22, 29, 41-43, 49-50, 55, 57-61, 69

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

510 PVC SINGLE HUNG IMPACT

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FLORIDA APPROVAL NO.:
33513

9/26/2023

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Turner Engineering & Consulting, Inc.
2428 Old Natchez Trc Trl
Camden, TN 38320
PH. 941-380-1574

SHEET DESCRIPTION:
BOM AND EXTRUSIONS

DRAWN BY: MCS DATE: 10/6/2023

DWG #: PEL-295 REV.: C

SCALE: 1:2 SHEET 4 OF 6

**510 PVC
SINGLE HUNG
IMPACT**

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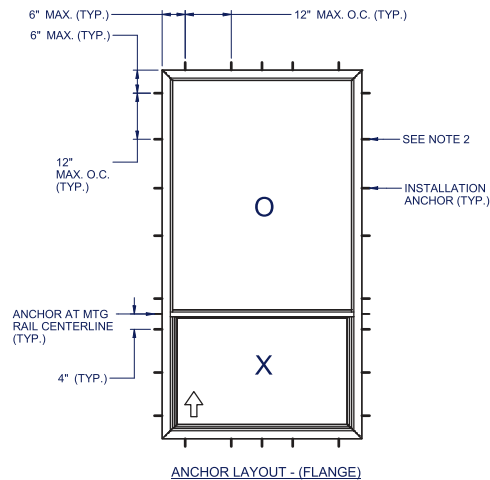
9/26/2023

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PH. 941-380-1574

SHEET DESCRIPTION:

**ANCHOR SCHEDULE AND
NOTES**

DRAWN BY:	DATE:
MCS	10/6/2023
DWG #:	REV.:
PEL-295	C
SCALE:	SHEET
1:25	5 OF 6



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 TABLE 1, 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)

**510 PVC
SINGLE HUNG
IMPACT**

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9/26/2023

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PH. 941-380-1574

SHEET DESCRIPTION:

INSTALLATION DETAILS

DRAWN BY:	DATE:
MCS	10/6/2023
DWG #:	REV.:
PEL-295	C
SCALE:	SHEET
1:2	6 OF 6

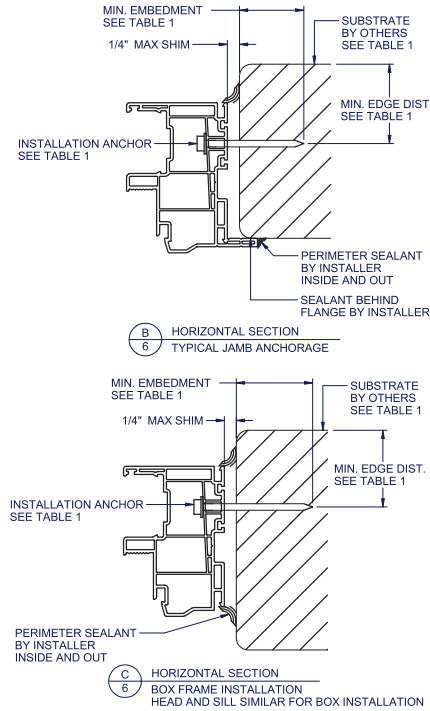
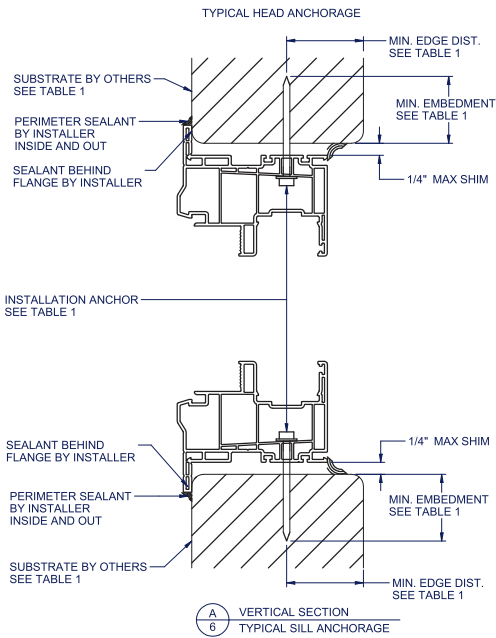


TABLE 1: APPROVED INSTALLATION FASTENERS

SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DIST.
CONCRETE (2.0 KSI MIN.)	3/16" ITW TAPCON	1-1/2"	1-1/8"
HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	3/16" ITW TAPCON	1"	2"
CONCRETE (3.05 KSI MIN.)	3/16" DEWALT ULTRAACON+	1-3/4"	1"
HOLLOW OR GROUT-FILLED CMU (ASTM C-90)	3/16" DEWALT ULTRAACON+	1-1/4"	2-1/2"
2X MIN. SOUTHERN PINE (G=0.55)	3/16" ITW TAPCON OR DEWALT ULTRAACON+	1-3/8"	7/8"
2X MIN. SOUTHERN PINE (G=0.55)	#10 WOOD SCREW	1-3/8"	7/8"
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"
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"

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.