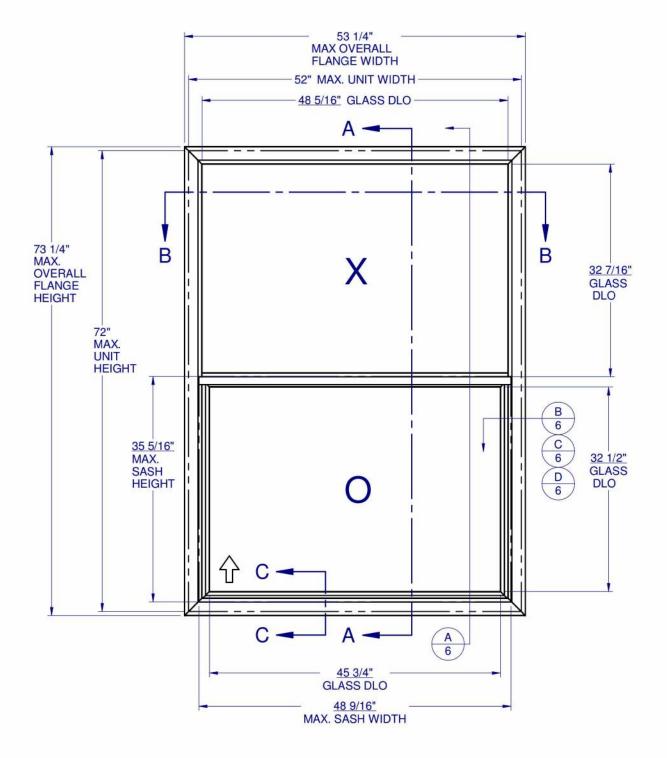
SINGLE HUNG - LARGE MISSILE IMPACT



GENERAL NOTES:

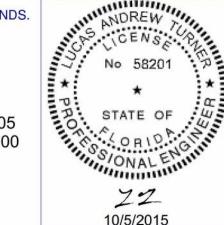
- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE (FBC), CURRENT EDITION INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2. GLAZING OPTIONS: (SEE SHEET 2)
- 3. CONFIGURATIONS: "O/X".
- 4. DESIGN PRESSURE RATING:
 -NEGATIVE DESIGN LOADS BASED ON, TESTED PRESSURE AND
 GLASS TABLES ASTM E-1300-04.
 -POSITIVE DESIGN LOADS BASED ON, TESTED PRESSURE, WATER
 INFILTRATION TEST PRESSURE AND GLASS TABLES
 ASTM E-1300-04.
- 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. EXTERNAL WEEP SLOT = 1/4" x 1-1/4" LOCATED 4" FROM BOTH ENDS.

Lucas A. Turner 2015-10-05 16:50-04:00



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8100 PVC SINGLE HUNG IMPACT



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SHEET DESCRIPTION:

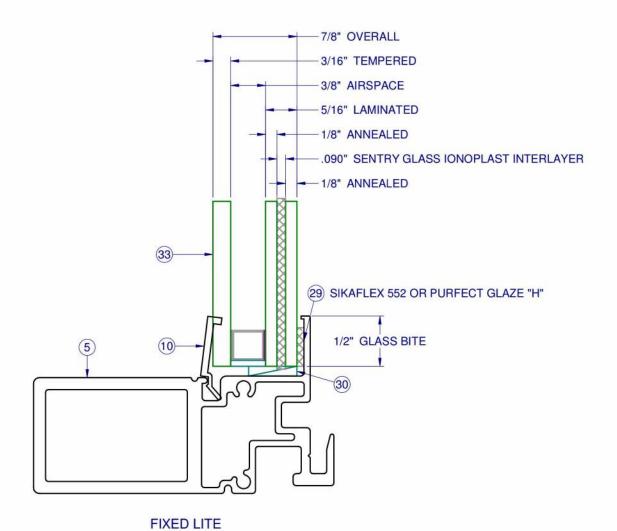
GENERAL NOTES AND ELEVATIONS

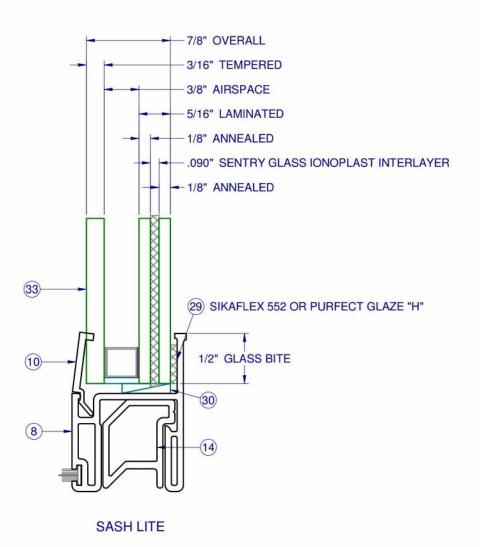
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DWG #:	REV.:
CWS-369	C
SCALE:	SHEET
1:15	1 OF 6

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GENERAL NOTES & ELEVATIONS	1
GLAZING DETAIL	2
SECTION VIEWS	3
EXTRUSIONS & B.O.M	4
ANCHOR SCHEDULE & NOTES	5
INSTALLATION DETAILS	6

MAX. UNIT SIZE	DESIGN PRESSURE RATING	IMPACT RATING
52" x 72"	+67.5 / -100 PSF	LARGE MISSILE IMPACT

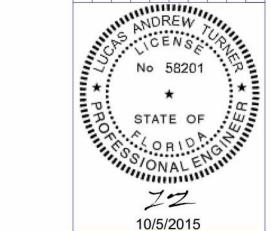






8100 PVC SINGLE HUNG IMPACT

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	09/24/15	EMK	UPDATED PER 2014 FBC	O

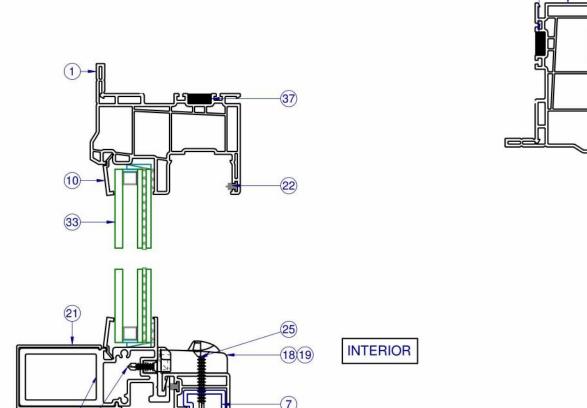


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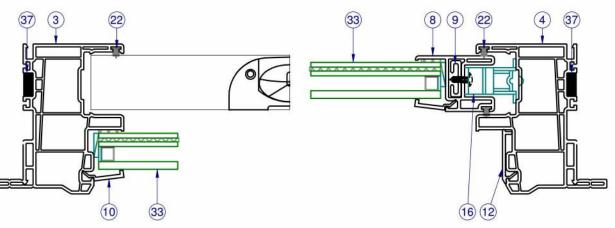
GLAZING DETAILS

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AAJ	08/14/08		
DWG #:	REV.:		
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SCALE:	SHEET		
1:1	2 OF 6		



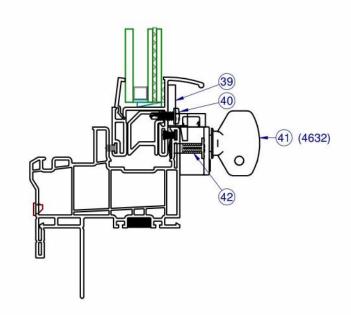
(41) (4632)

SECTION A-A



SECTION B-B

NOTE: LEFT SIDE SHOWS FIXED SECTION VIEW, RIGHT SIDE SHOWS SASH SECTION VIEW.



SECTION C-C ALT. FIN FRAME

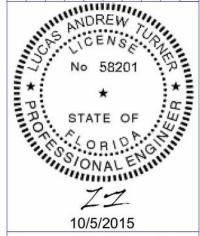
NOTES:

- 1. ITEMS 13, 15, 17, 21, 23, 27, 28, 31, 32, 36 ARE NOT SHOWN FOR CLARITY.
- 2. SWEEP LOCKS (4632) ARE REQUIRED. SWEEP LOCKS MAY BE USED ON FIN OR FLANGE APPLICATIONS.



8100 PVC SINGLE HUNG IMPACT

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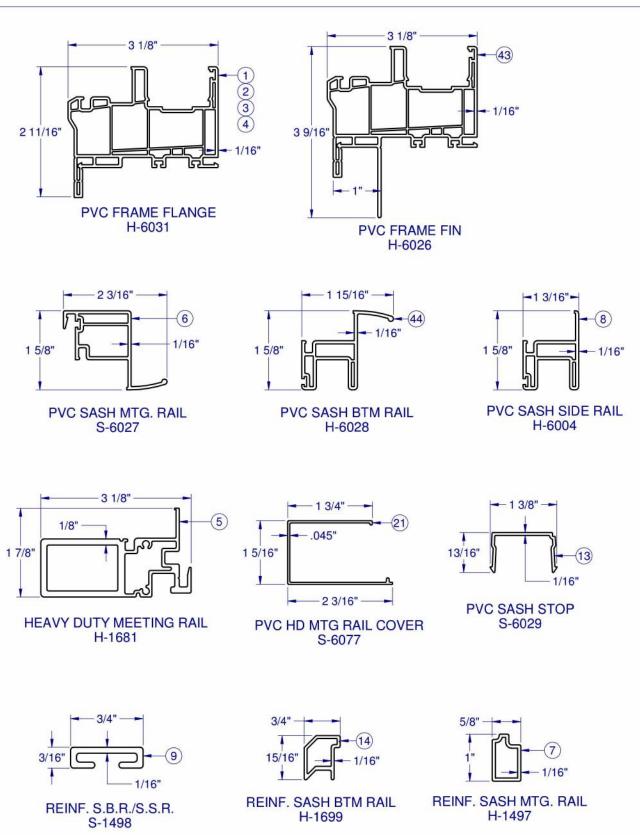
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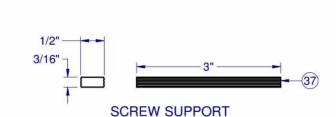
SECTION VIEWS

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AAJ	08/14/08
DWG #:	REV.:
CWS-369	C
SCALE:	SHEET
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PARTS LIST				
ITEM	PART #	DESCRIPTION	VENDOR	MATERIAL
1	H-6031	Main Fr., SH, w/Flg., PVC, Head	MIKRON	PVC
2	H-6031	Main Fr., SH, w/Flg., PVC, Sill	MIKRON	PVC
3	H-6031	Main Fr., SH, w/Flg., PVC, L. Jb.	MIKRON	PVC
4	H-6031	Main Fr., SH, w/Flg., PVC, R. Jb.	MIKRON	PVC
5	H-1681	Heavy Duty, Meet. Rail, Fxd. Aluminum	KEYMARK	ALUM
6	H-6027	Sash Meet. Rail, PVC	MIKRON	PVC
7	H-1497	Reinf. Sash Meet. Rail	KEYMARK	ALUM
8	H-6004	Sash Bottom Rail/Side Rail PVC	MIKRON	PVC
9	S-1498	Reinf. S.B.R./S.S.R	KEYMARK	ALUM
10	S-6064	Glazing Bead, 7/8"	MIKRON	PVC
11	S-6013	Scrn. Adapt., w/Nib, PVC, Horiz.	MIKRON	PVC
12	S-6014	Scrn. Adapt., PVC, Vert.	MIKRON	PVC
13	S-6029	Sash Stop / Filler, PVC, Vert.	MIKRON	PVC
14	H-1699	Reinforcement, SBR	KEYMARK	ALUM
15	P-2190	Balance	BSI	
16	P-3059	Sash Cam, PVC	M&M	NYLON
17	P-3046	Take Out Clip		
18	P-3783	Spring Lock, Impact, PVC	INTERLOCK	
19	P-3784	Spring Lock Keeper, Impact, PVC	INTERLOCK	
20	P-3215	Weep Cover w/ Flap	M&M	NYLON
21	S-6077	HD Fixed Meeting Rail Cover	MIKRON	PVC
22	P-3429	Wstp., 0.270 x .187 back FinSeal, Gray	ULTRAFAB	200 300 700
23	P-4638	#8 x 2-1/2 PH Mod. Truss, Type A, TEK 2	FASTENAL	STEEL
25	P-4051W	#8 x 1.250 Ph FH TEK, Wht.	FASTENAL	STEEL
26	P-3748W	#6 x 0.625 Quad FH TEK, Wht.	FASTENAL	STEEL
27	P-3342	Seam Sealer, SM-5504	SCHNEE	V. 2000.00.00.00.00.00.00.00.00.00.00.00.00
28	P-3752	Cap Plug, 1/2" Hole	M&M	NYLON
29	P-3438	Sikaflex 552 or Purfect Glaze "H"	SIKA/HENKEL	
30	P-3352	Set. Blk., 85 Dur., 1/8" x 5/8" x 2" Lg.	FRANKLO	RUBBER
33	GLASS	SEE SHEET 2		
37	P-3113	Screw Support for PVC	RUBBER	TEAM
38	S-1577	Impact Hook	KEYMARK	ALUM
39	P-3118	Keeper, Sweep Lock	SULLIVAN	STEEL
40	P-3541	#8 x 1/2, Pan Head, TEK	FASTENAL	ZINC
41	P-4632	Sweep Lock	SULLIVAN	ZINC
42	P-4633	Barrel Fastener	FASTENAL	STEEL
43	H-6026	Main Fr., SH, w/Fin, PVC	MIKRON	PVC
44	H-6028	Sash, Bottom Rail	MIKRON	PVC
45	S-1112	Glaze Bead (reinforcement)	KEYMARK	ALUM

LINE ITEMS NOT USED: 24, 31-32, 34-36





P-3113

5/16"

1/2" -

PVC SCREEN SUPPORT S-6014

PVC SCREEN CATCH S-6013

PVC GLAZING BEAD

S-6064

-.070"



FRAME CORNER CONSTRUCTION

(ALL SIDES)

FIXED MEETING RAIL

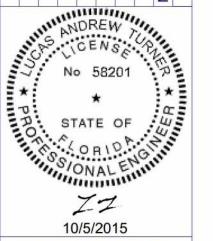
SCREWED TOGETHER WITH

OUTERFRAME

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8100 PVC SINGLE HUNG IMPACT



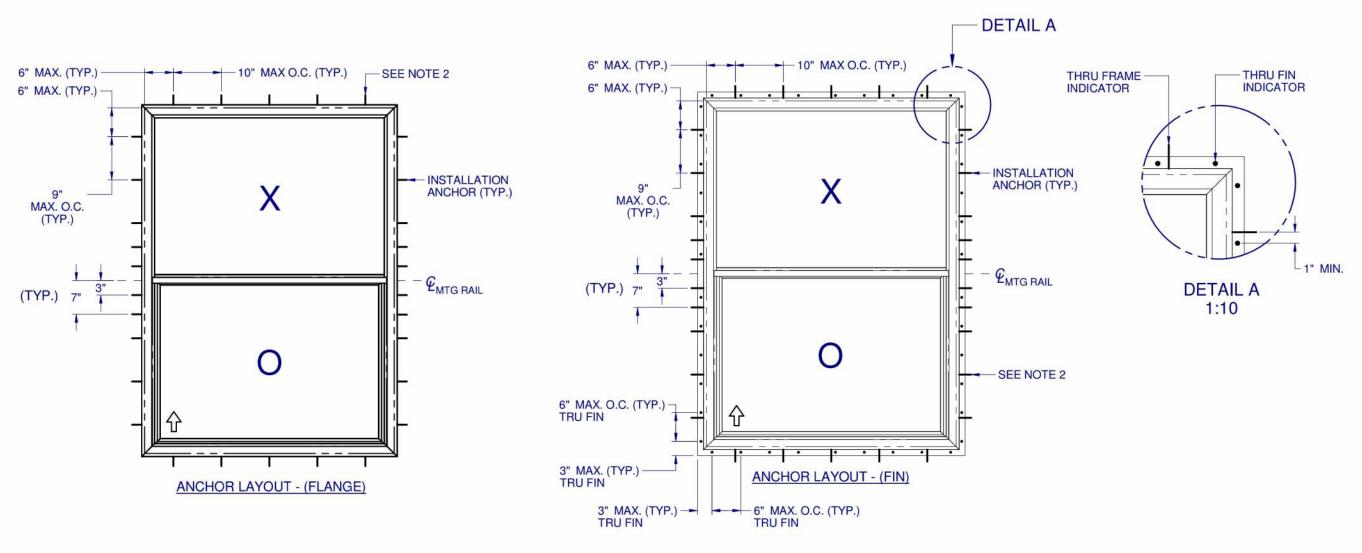


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SHEET DESCRIPTION:

BOM AND EXTRUSIONS

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AAJ	08/14/08
DWG #:	REV.:
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SCALE:	SHEET
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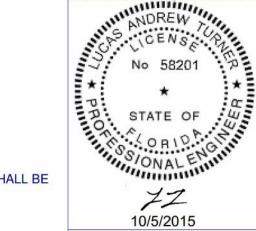
NOTES:

- 1. INSTALL ONE ANCHOR AT EACH INSTALLATION LOCATION, NO ANCHORS REQUIRED IN SILL.
- 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)



8100 PVC SINGLE HUNG IMPACT

EMK 09/24/15	TEF 11/11/11	05/19/11	DATE:	
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SHEET DESCRIPTION:

ANCHOR SCHEDULE AND NOTES

DATE:		
08/14/08		
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SHEET 5 OF 6		

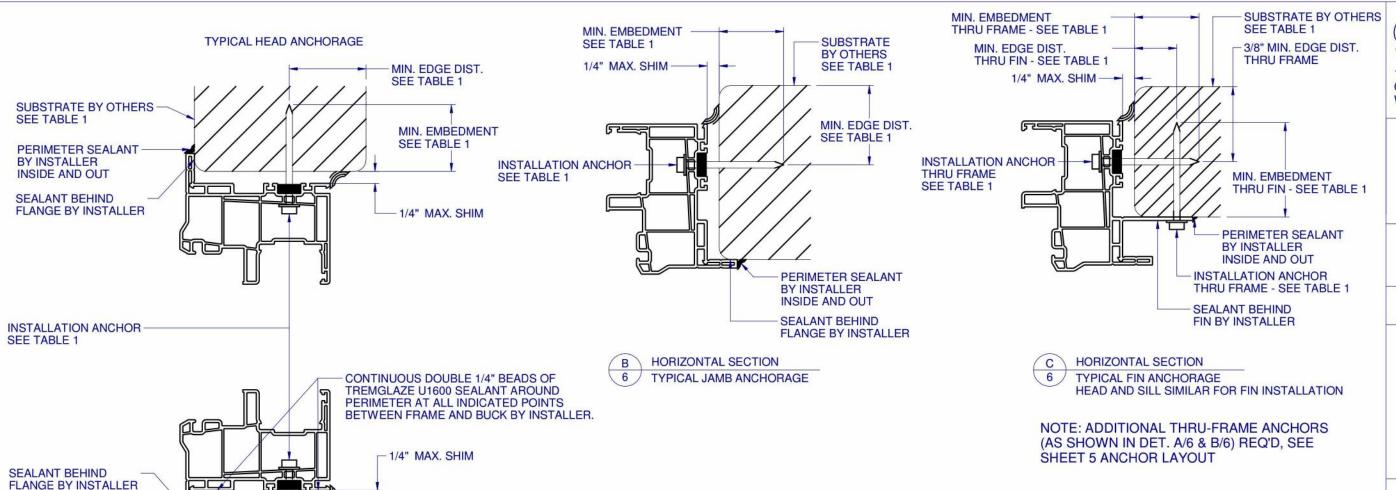


	TABLE 1: APPROVED INSTALLATION FASTENERS							
THRU	SUBSTRATE TYPE	ANCHOR TYPE MIN. EMBEDMENT MIN. EDGE DIST.						
FRAME	CONCRETE (2.0 KSI MIN.)	3/16" ITW TAPCON	1-1/2"	1-1/8"				
FRAME	HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	3/16" ITW TAPCON	1" 2"					
FRAME	CONCRETE (2.85 KSI MIN.)	3/16" ELCO ULTRACON	1"	1"				
FRAME	GROUT-FILLED CMU (ASTM C-90)	3/16" ELCO ULTRACON	1-1/4"	2-1/2"				
FRAME	2X MIN. SOUTHERN PINE (G=0.55)	3/16" ITW TAPCON OR ELCO ULTRACON	1-3/8"	7/8"				
FRAME	2X MIN. SOUTHERN PINE (G=0.55)	#10 WOOD SCREW	1-3/8"	7/8"				
FRAME	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"				
FRAME	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	1-3/8"	7/16"				
FIN	2X MIN. SOUTHERN PINE (G=0.55)	#10 WOOD SCREW	1-3/8"	1/2"				

MIN. EMBEDMENT

MIN. EDGE DIST. SEE TABLE 1

SEE TABLE 1

لسال

VERTICAL SECTION TYPICAL SILL ANCHORAGE

PERIMETER SEALANT

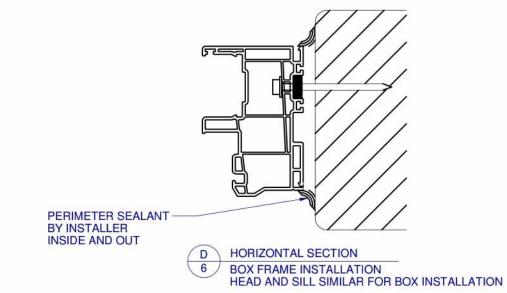
SUBSTRATE BY OTHERS

BY INSTALLER

SEE TABLE 1

INSIDE AND OUT

NOTE: 3/8" MIN. EDGE DIST. FOR THRU FRAME ANCHORS ON FIN UNITS. ALL OTHERS FOLLOW TABLE 1 ABOVE.



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

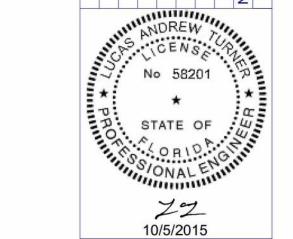
- MIN. 1/4" FILLET OF CONSTRUCTION-GRADE ADHESIVE CAULK IS APPLIED INSIDE AND OUT, FULL PERIMETER, BY INSTALLER.
- PRODUCT ANCHORAGE IS IN ACCORDANCE WITH REQUIREMENTS AS SHOWN FOR FLANGE WINDOWS.



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8100 PVC SINGLE HUNG **IMPACT**

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SHEET DESCRIPTION:

INSTALLATION DETAILS

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AAJ	08/14/08
DWG #:	REV.:
CWS-369	C
SCALE:	SHEET
1:2	6 OF 6