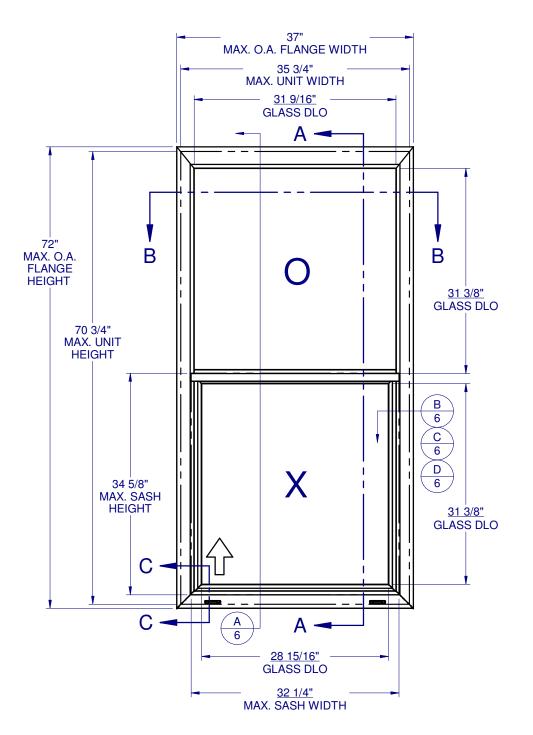
SINGLE HUNG - LARGE MISSILE IMPACT



GENERAL NOTES:

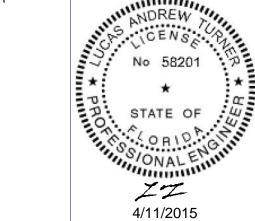
- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE (FBC), CURRENT EDITION INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ) AND IS RATED FOR WIND ZONE 4 MISSILE LEVEL D IMPACT USE AS DEFINED IN ASTM E 1996 PER THE FBC.
- 2. GLAZING OPTIONS: (SEE SHEET 2)
- 3. CONFIGURATIONS: "O/X".
- 4. DESIGN PRESSURE RATING:
 -NEGATIVE DESIGN LOADS BASED ON, TESTED PRESSURE AND GLASS TABLES ASTM E-1300-04.
 - -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. WEEP SLOTS = 1/4" x 1-1/4" LOCATED 4" FROM BOTH ENDS.



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8100 PVC SINGLE HUNG IMPACT

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SHEET DESCRIPTION:

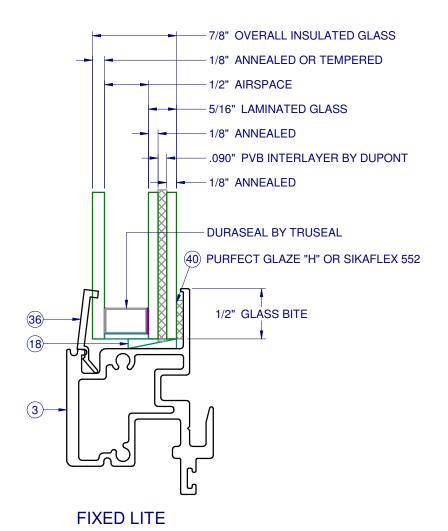
GENERAL NOTES AND ELEVATIONS

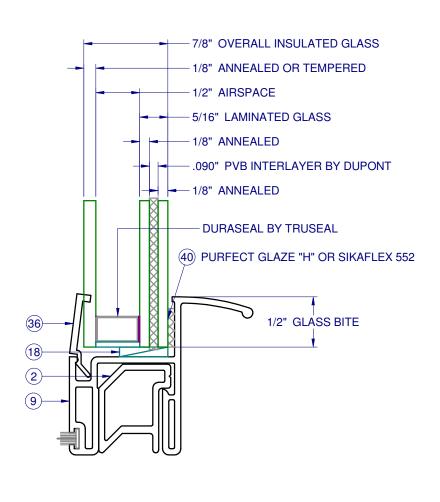
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EMK	09/18/14
DWG #:	REV.:
CWS-958	Α
SCALE:	SHEET
1:15	1 OF 6

TABLE OF CONTENTS

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SECTION VIEWS & ALT. FRAME	3
EXTRUSIONS & B.O.M	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"	+/- 70 PSF	LARGE MISSILE IMPACT
FIN	30-3/4 1/0-3/4	+/- 65 PSF	LANGE MISSILE IMPACT



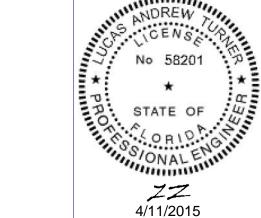


SASH LITE



8100 PVC SINGLE HUNG IMPACT

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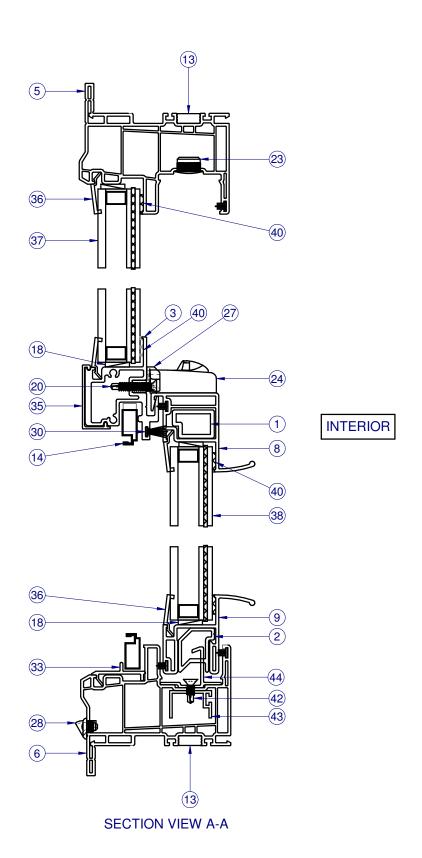


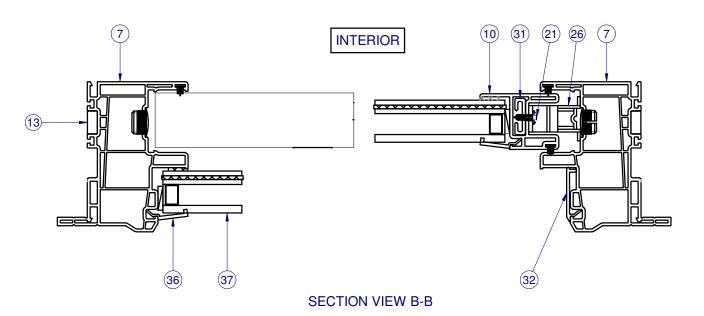
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SHEET DESCRIPTION:

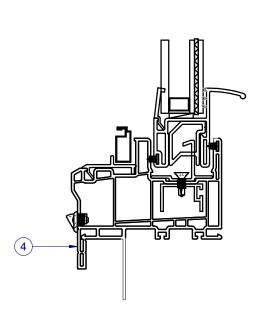
GLAZING DETAILS

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SCALE:	SHEET





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

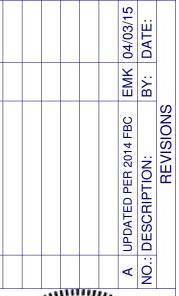


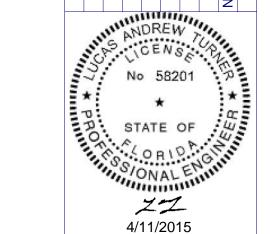
SECTION VIEW C-C ALTERNATE FIN FRAME



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SHEET DESCRIPTION:

SECTION VIEWS

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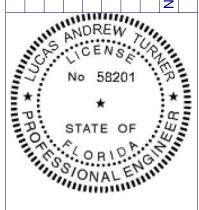
		PARTS LIST		
TE			MATERIAL	VENDOR
1	H-149		ALUMINUM	KEYMARK
2			ALUMINUM	KEYMARK
3			ALUMINUM	KEYMARK
4		<u> </u>	PVC	MIKRON
5			PVC	MIKRON
6		7 87 8	PVC	MIKRON
7		7 67 6	PVC	MIKRON
8		1	PVC	MIKRON
9			PVC	MIKRON
10			PVC	MIKRON
11			STEEL	HURLEY
12		ı ü	STEEL	FLASCREEN
13	P-311	Screw Support	RUBBER	TEAM PLASTIC
14	P-321	Screen Frame	ALUMINUM	FLASCREEN
15	5 P-322	Spline Spline	VINYL FOAM	DAPA
16	6 P-332	Screen Corner Key	NYLON	FLASCREEN
17	7 P-334	2 Seam Sealer		SCHNEE
18	P-335	2 Setting Block	RUBBER	FRANK LOWE
19	P-342	Wstp., 0.270 x 0.187 back FinSeal	NYLON	ULTRAFAB
20	P-353	#8 x 3/4" Ph PH TEK	STEEL	FASTENAL
21	1 P-354	#8 x 3/8 Pan Phil Tek	STEEL	FASTENAL
22	P-358	Screen Cloth	VINYL	WIER
23	P-375	P Hole Plug, 1/2"	NYLON	M&M
24	1 P-378	B Lock, Impact		INTERLOCK
25	5 P-405	#8 x 1 1/4" Ph Fh TEK, Wht.	STEEL	FASTENAL
26	P-405	Sash Cam	NYLON	M&M
27	7 P-406	Keeper, Impact	ZAMAC	SULLIVAN
28	B P-447	Weep Housing & Flap Assm.	PVC	M&M
29	P-463	8 #8 x 2 1/2 Phil Truss SMS	STEEL	FASTENAL
30	P-495	Wstp., 0.420 x 0.187 back FinSeal	NYLON	ULTRAFAB
31	1 S-149	Reinforcement for SSR	ALUMINUM	KEYMARK
32	2 S-601	Screen Support	PVC	MIKRON
33	S-601	Screen Adaptor	PVC	MIKRON
34	4 S-602	Sash Stop	PVC	MIKRON
35	S-606	Fixed Rail Cover	PVC	MIKRON
36	S-606	Glazing Bead	PVC	MIKRON
37	7 FIXE	SEE SHEET 2	GLASS	CARDINAL
38	3 SASH	SEE SHEET 2	GLASS	CARDINAL
39		Block & Tackle Balance	STEEL	BSI
40		Purfect Glaze "H" or Sikaflex 552	SILICONE	HENKEL / SIKA
41		#10 x 2" Pan Phil sms	STEEL	FASTENAL
42			STEEL	FASTENAL
43			ALUMINUM	KEYMARK
44		,	ALUMINUM	KEYMARK



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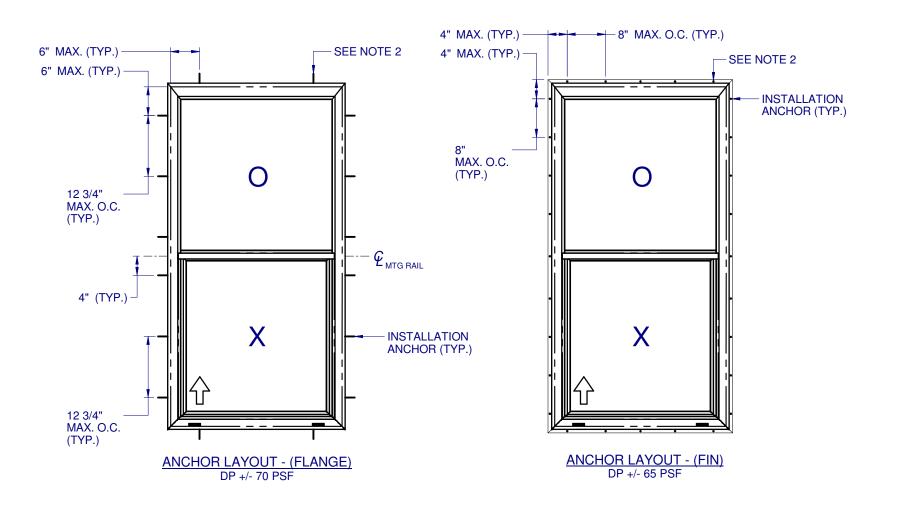
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SHEET DESCRIPTION:

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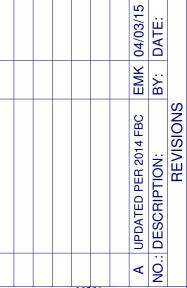
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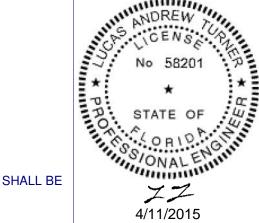
- 1. INSTALL ONE ANCHOR AT EACH INSTALLATION LOCATION. SILL ANCHOR SPACING SAME AS HEAD.
- 2. SHIM AS REQ AT EACH INSTALLATION ANCHOR USING LOAD BEARING SHIMS. MAX. ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE SPACE GREATER THAN 1/16" IS PRESENT. LOAD BEARING SHIMS SHALL BE CONSTRUCTED OF HIGH DENSITY 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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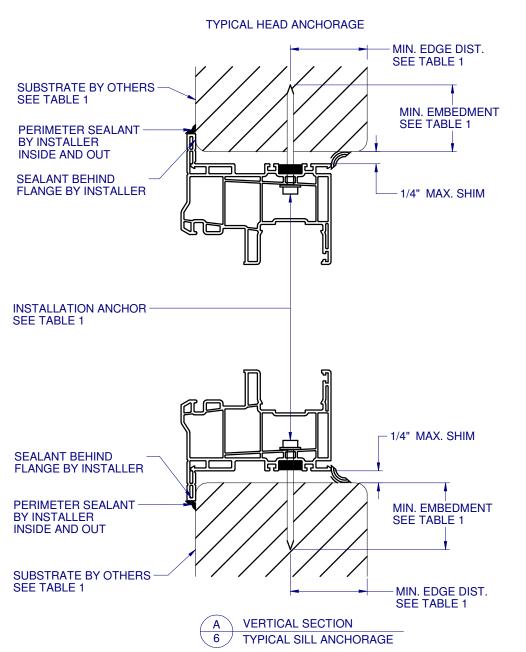


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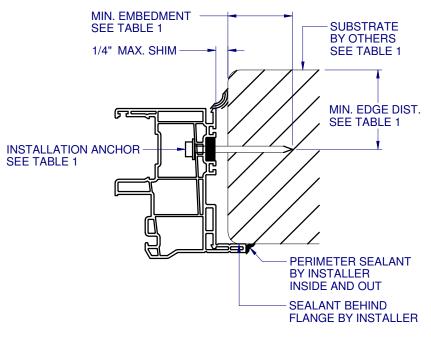
ANCHOR SCHEDULE AND NOTES

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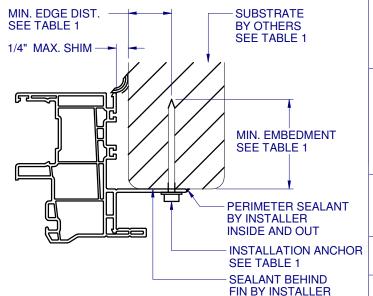


FIN

2X MIN. SOUTHERN PINE (G=0.55)



B HORIZONTAL SECTION
6 TYPICAL JAMB ANCHORAGE



C HORIZONTAL SECTION

6 TYPICAL FIN ANCHORAGE

HEAD AND SILL SIMILAR FOR FIN INSTALLATION



1-1/2"

7/16"

FLANGE FLANGE GROUT-FILLED CMU (ASTM C-90) 3/16" ELCO ULTRACON 1-1/4" 2-1/2" 3/16" ITW TAPCON **FLANGE** 2X MIN. SOUTHERN PINE (G=0.55) 1-3/8" 7/8" OR ELCO ULTRACON FLANGE 2X MIN. SOUTHERN PINE (G=0.55) #10 WOOD SCREW 1-3/8" 7/8" 16 GAUGE (0.060") MIN. STEEL STUD #10-16 HILTI KWIK-FLEX OR ITW **FULL THREAD FLANGE** 7/16" (33 KSI YIELD MIN) TEKS SELF-DRILLING SCREW THRU 0.060" 1/8" ALUM. (6063-T5 MIN.) OR #10 GRADE 5 SELF-TAPPING / **FULL THREAD FLANGE** 7/16" 1/8" STEEL (33 KSI MIN.) **DRILLING SCREW** THRU 0.125"

#8 WOOD SCREW

D HORIZONTAL SECTION

6 BOX FRAME INSTALLATION
HEAD AND SILL SIMILAR FOR BOX INSTALLATION

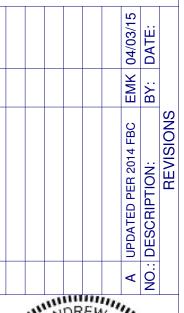
FLANGE REMOVAL NOTE: PARTIALLY OR FULLY REMOVING THE FLANGE, UP TO AND INCLUDING A BOX-FRAME APPLICATION IS ACCEPTABLE PROVIDED

- 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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4/11/2015

LUCAS A. TURNER, P.E.
FL PE # 58201
1239 JABARA AVE.

NORTH PORT, FL 34288

PH. 941-380-1574
SHEET DESCRIPTION:

INSTALLATION DETAILS

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,.	EMK	09/18/14
	DWG #:	REV.:
	CWS-958	Α
	SCALE:	SHEET
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