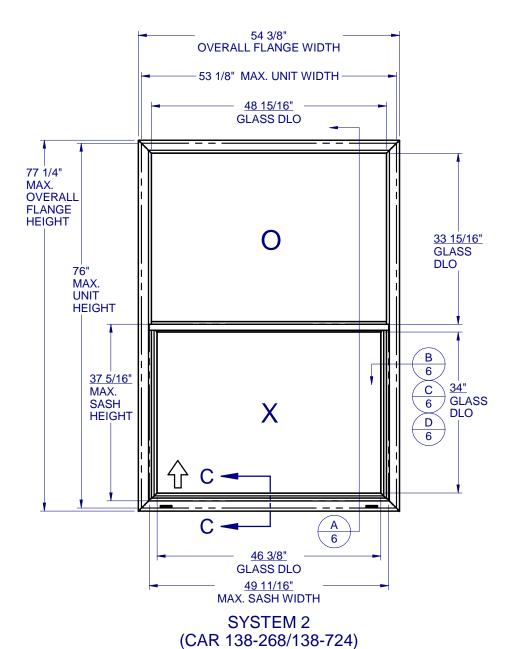
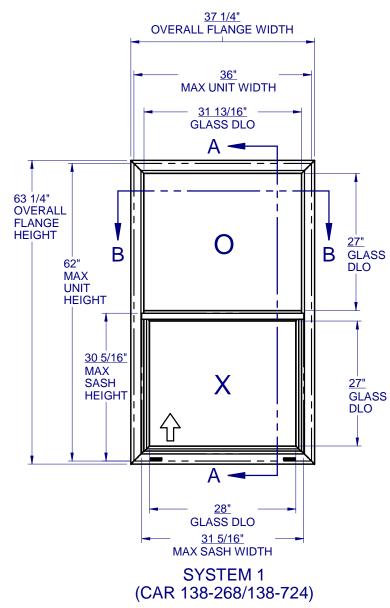
MODEL 8100 SYSTEMS 1 AND 2 SINGLE HUNG - LARGE MISSILE IMPACT

(SHOWN w/DIFFERENT OPTIONS)





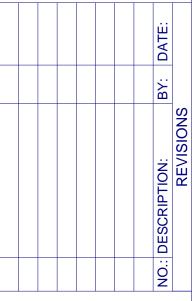
GENERAL NOTES:

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (IBC) AND INTERNATIONAL RESIDENTIAL CODE (IRC), WITH TEXAS REVISIONS EFFECTIVE JANUARY 1, 2008.
- 2. GLAZING OPTIONS: (SEE SHEET 2)
- 3. CONFIGURATIONS: "O/X".
- 4. 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.
- 5. PRODUCT APPROVED FOR IMPACT RESISTANCE. THE IMPACT SWEEP LOCKS ARE INTENDED TO BE LEFT UNLATCHED DURING NORMAL OPERATION BUT MUST BE ENGAGED PRIOR TO EXPOSURE TO HURRICANE WINDS AND FLYING DEBRIS.
- 6. ALL FRAMES AND VENTS FULLY WELDED. SMALL JOINT SEAM SEALANT USED AT FIXED MEETING RAIL AND JAMB.
- 7. SERIES / MODEL DESIGNATION SH-8100.
- 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.
- 11. SWEEP LOCKS INSTALLED ON WINDOWS OVER 36" x 62".



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8100 PVC SINGLE HUNG IMPACT





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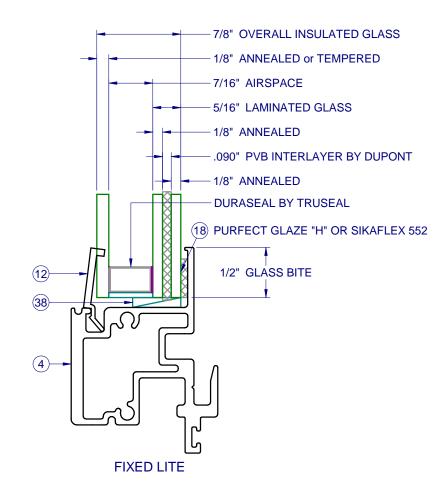
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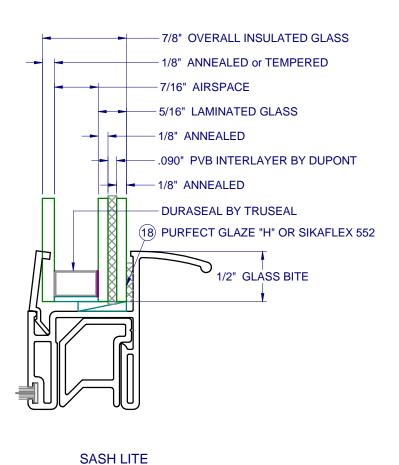
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GENERAL NOTES AND ELEVATIONS

DRAWN BY:	DATE:
EMK	11/12/15
DWG #:	REV.:
TDI-155	-
SCALE:	SHEET
1:1	1 OF 6

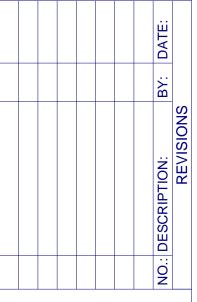
TABLE OF CONTENTS







8100 PVC SINGLE HUNG IMPACT





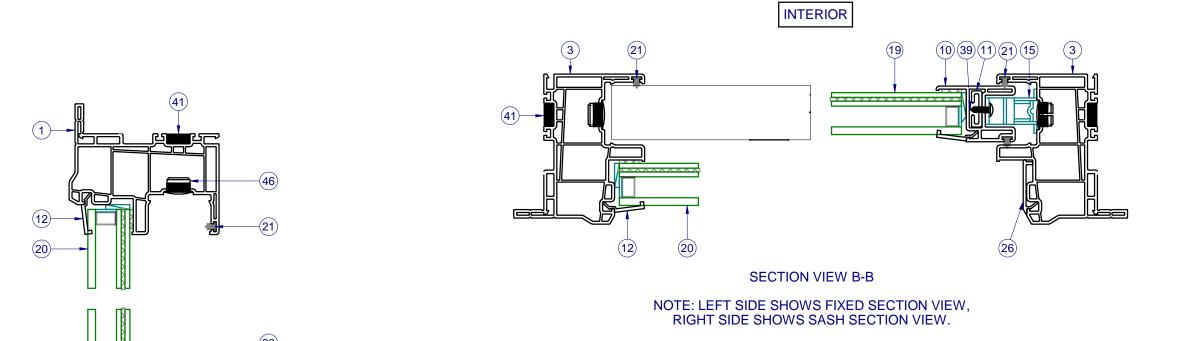
9/29/2016

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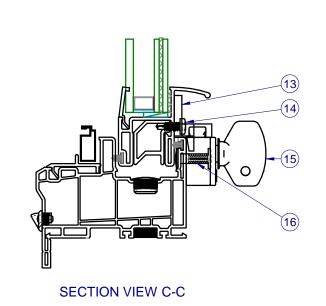
GLAZING DETAILS

DRAWN BY:	DATE:
EMK	11/12/15
DWG #:	REV.:
TDI-155	-
SCALE:	SHEET
1:1	2 OF 6



INTERIOR

ALTERNATE FIN FRAME



SWEEP LOCK REQUIRED

FOR SIZES OVER 36" x 62".

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> 8100 PVC SINGLE HUNG IMPACT

> > DATE

BY:

DESCRIPTION:
REVISIONS

.: Q

LUCAS A. TURNER

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NORTH PORT, FL 34288 PH. 941-380-1574

SECTION VIEWS

DATE:

REV.:

11/12/15

SHEET

3 OF 6

SHEET DESCRIPTION:

DRAWN BY:

DWG #:

SCALE:

EMK

TDI-155

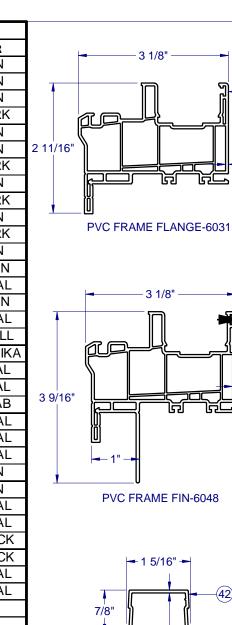
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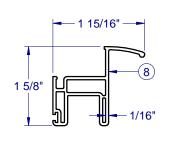


SECTION VIEW A-A

NO SWEEP LOCKS ALLOWED FOR UNITS 36" x 62" AND UNDER.

PARTS LIST				
ITEM		DESCRIPTION	MATERIAL	VENDOR
1		Frame Head, Flg, Single Hung	PVC	MIKRON
2		Frame Sill, Flg, Single Hung	PVC	MIKRON
3		Frame Jamb, Flg, Single Hung	PVC	MIKRON
4	H-1836	Alum. Fixed Meet. Rail	ALUMINUM	KEYMARK
5	S-6063	Fixed Rail Cover	PVC	MIKRON
6	H-6027	Sash Top Rail	PVC	MIKRON
7	H-1497	Reinforcement for STR	ALUMINUM	KEYMARK
8	H-6028	Sash Bottom Rail	PVC	MIKRON
9	H-1699	Reinforcement for SBR	ALUMINUM	KEYMARK
10		Sash Side Rail	PVC	MIKRON
11		Reinforcement for SSR	ALUMINUM	KEYMARK
12	S-6064	Glazing Bead	PVC	MIKRON
13		Keeper, Sweep Lock	ZINC	SULLIVAN
14		#8 x 1/2", Pan Head, Tek	STEEL	FASTENAL
15	P-4632	Sweep Lock	ZINC	SULLIVAN
16	P-4633	Barrel Fastener	STEEL	FASTENAL
17		Block & Tackle Balance	STEEL	CALDWELL
18		Purfect Glaze "H" or Sikaflex 552	SILICONE	HENKEL/SIKA
19	Sash	SEE SHEET 2	GLASS	CARDINAL
20	Fixed	SEE SHEET 2	GLASS	CARDINAL
21		Wstp., 0.270 x 0.187 back FinSeal	NYLON	ULTRAFAB
22	P-4638	#8 x 2-1/2 PH Mod. Truss, Type A, TEK :	STEEL	FASTENAL
23		#10 x 1 1/2" Panhead SMS	STEEL	FASTENAL
24		Flat Washer	STEEL	FASTENAL
25	S-6014	Screen Catch	PVC	MIKRON
26		Screen Support	PVC	MIKRON
27		#8 x 1 1/4" Ph Fh TEK, Wht.	ZINC	FASTENAL
28		#6 x 0.625" Quad Fh TEK, Wht.	ZINC	FASTENAL
29		Impact, Lock	STEEL	INTERLOCK
30		Impact, Keeper	STEEL	INTERLOCK
31		#8 x 3/4 FH PH w/#6 Head, TEK, Wht	STEEL	FASTENAL
32	P-3218	Screen Frame	ALUMINUM	ALLMETAL
33		Screen Corner Key	PLASTIC	M&M
34		Screen Spline	RUBBER	DAPA
35		Screen Cloth	VINYL	WIER
36		Screen Spring	STEEL	HURLEY
37		Screen Pull Tab	STEEL	HURLEY
38		Set. Blk. 1/8" x 5/8" x 2"	RUBBER	FRANK LOWE
39		#8 x 5/8 Phil Pan Zinc	ZINC	FASTENAL
40		Weepcover	PLASTIC	M&M
41	P-3113	Screw Support	RUBBER	TEAM
42	P-6025	Sash Stop	PVC	MIKRON
43		Sash Cam	PLASTIC	M&M
44		Take Out Clip	STEEL	SUMMIT
45	P-3342	Seam Sealer	SILICONE	SCHNEE
46		Hole Plug	PLASTIC	M&M
47		Frame Head, FIN, Single Hung	PVC	MIKRON
48	P-4959	Wstp., 0.420 x 0.187 back	NYLON	ULTRAFAB

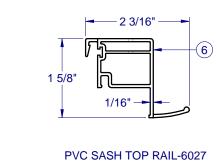




PVC SASH BTM. RAIL-6028

PVC SASH SIDE RAIL-6004

2 3



─ 1 1/2" **─**

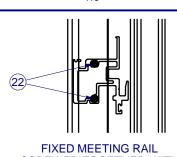
FIXED RAIL - 1836

2 1/8"

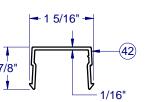


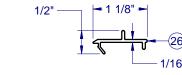


FRAME CORNER



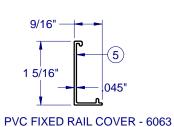
SCREWED TOGETHER WITH OUTERFRAME 1:8

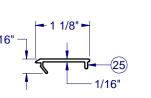




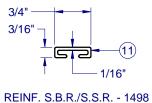
1 3/16" —

1 5/8"

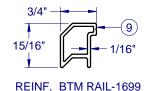




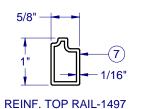
PVC SCREEN SUPPORT - 6014

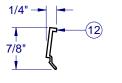


PVC SASH STOP - 6025



PVC SCREEN CATCH - 6013





PVC GLAZING BEAD-6064



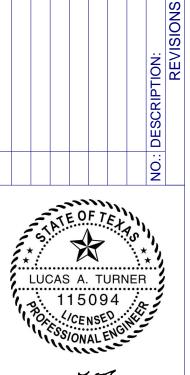


BY:

8100 PVC

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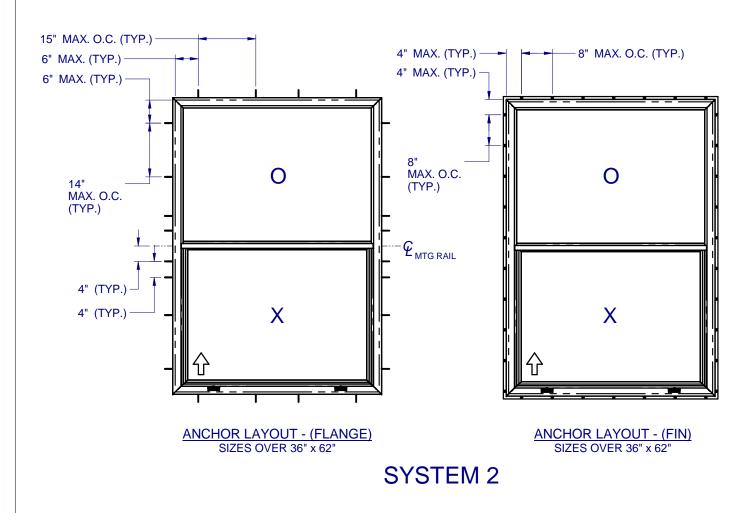


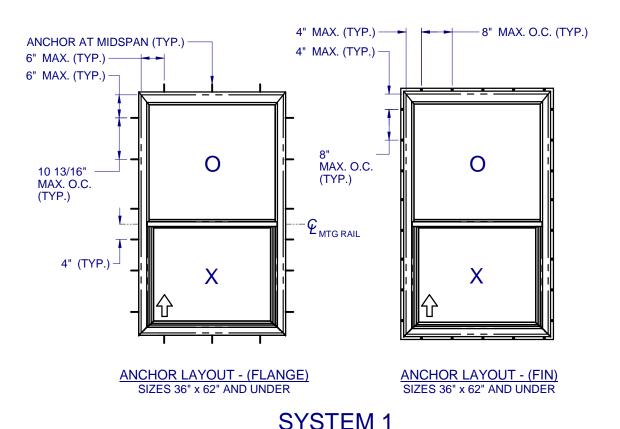
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SHEET DESCRIPTION:

BOM AND EXTRUSIONS

DRAWN BY:	DATE:
EMK	11/12/15
DWG #:	REV.:
TDI-155	-
SCALE:	SHEET
1:2	4 OF 6





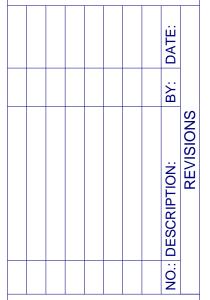


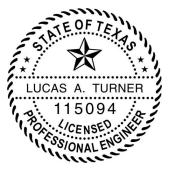
- 1. INSTALL ONE ANCHOR AT EACH INSTALLATION LOCATION. SILL ANCHOR SPACING SAME AS HEAD.
- 2. SHIM AS REQ AT EACH INSTALLATION ANCHOR USING LOAD BEARING SHIMS. MAX. ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE SPACE GREATER THAN 1/16" IS PRESENT. LOAD BEARING SHIMS SHALL BE CONSTRUCTED OF HIGH DENSITY 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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8100 PVC SINGLE HUNG IMPACT





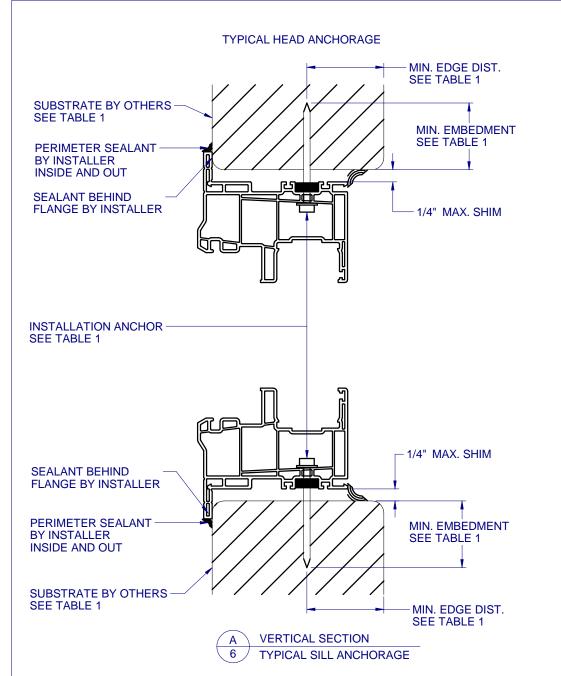
9/29/2016

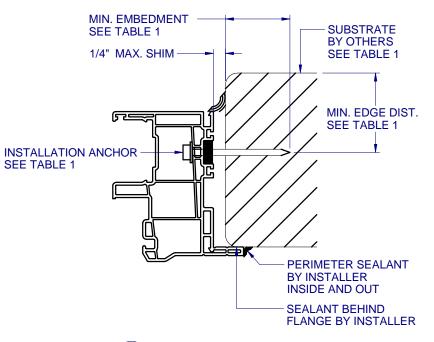
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SHEET DESCRIPTION:

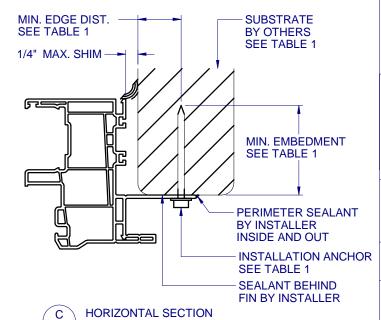
ANCHOR SCHEDULE AND NOTES

DRAWN BY:	DATE:
EMK	11/12/15
DWG #:	REV.:
TDI-155	-
SCALE:	SHEET
1:25	5 OF 6

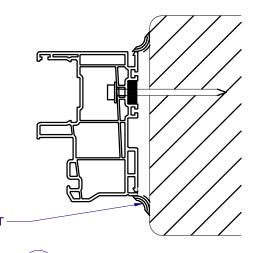








TYPICAL FIN ANCHORAGE
HEAD AND SILL SIMILAR FOR FIN INSTALLATION



PERIMETER SEALANT BY INSTALLER INSIDE AND OUT

D HORIZONTAL SECTION

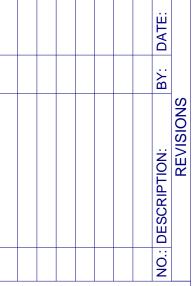
6 BOX FRAME INSTALLATION
HEAD AND SILL SIMILAR FOR BOX INSTALLATION

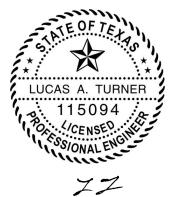
FLANGE REMOVAL NOTE: PARTIALLY OR FULLY REMOVING THE FLANGE, UP TO AND INCLUDING A BOX-FRAME APPLICATION IS ACCEPTABLE PROVIDED:

- 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.



8100 PVC SINGLE HUNG IMPACT





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SHEET DESCRIPTION:

INSTALLATION DETAILS

DRAWN BY:	DATE:
EMK	11/12/15
DWG #:	REV.:
TDI-155	-
SCALE:	SHEET
1:2	6 OF 6

