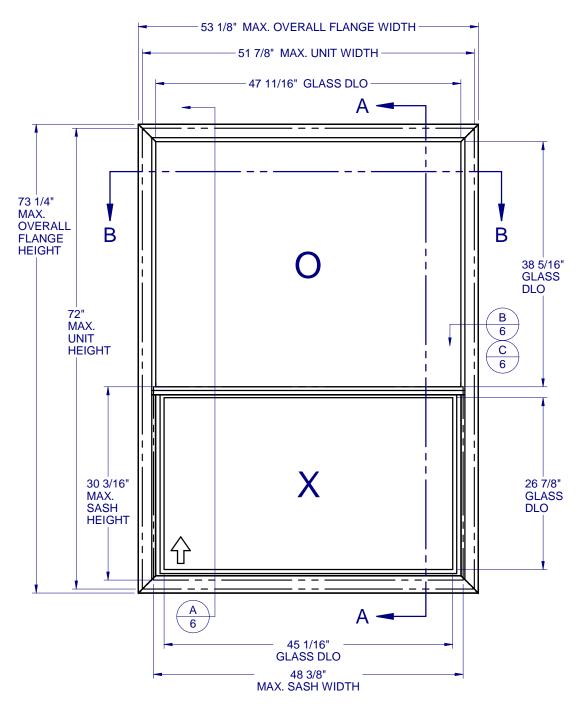
MODEL 8100 SYSTEM 4 SINGLE HUNG ORIEL - LARGE MISSILE IMPACT



SYSTEM 4 (CAR 138-507/138-1031)

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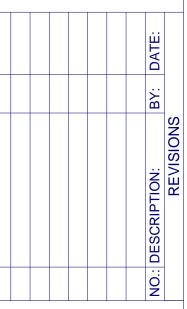
GENERAL NOTES:

- 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. SHUTTERS ARE NOT REQUIRED.
- 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.



1900 SW 44TH AVE. OCALA, FLORIDA 34474 WWW.CWS.CC

8100 PVC SINGLE HUNG IMPACT





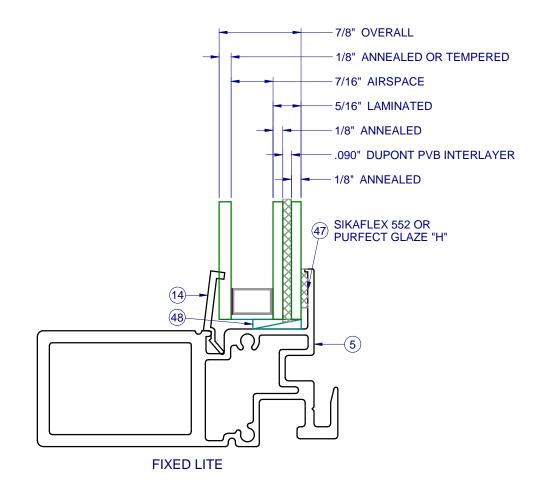
ZZ 9/29/2016

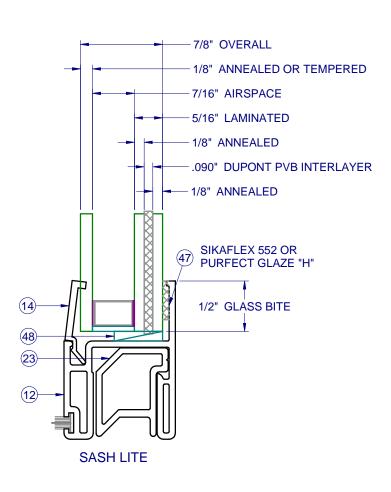
LUCAS A. TURNER, P.E. TX PE # 115094 1239 JABARA AVE. NORTH PORT, FL 34288 PH. 941-380-1574

SHEET DESCRIPTION:

GENERAL NOTES AND ELEVATIONS

DRAWN BY:	DATE:
EMK	11/12/15
DWG #:	REV.:
TDI-882	-
SCALE:	SHEET
1:15	1 OF 6

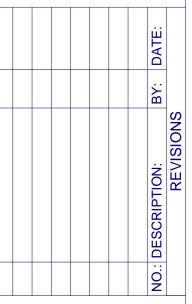






1900 SW 44TH AVE. OCALA, FLORIDA 34474 WWW.CWS.CC

8100 PVC SINGLE HUNG IMPACT







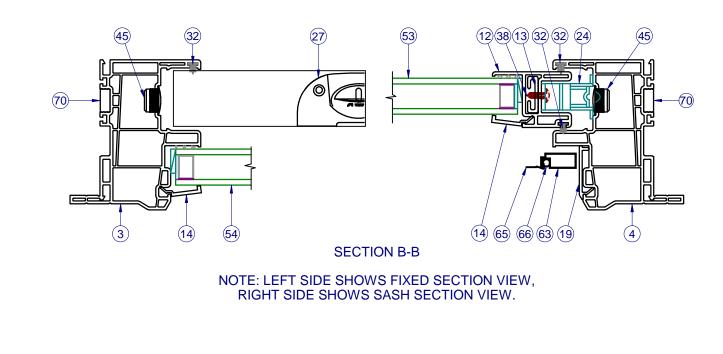
LUCAS A. TURNER, P.E. TX PE # 115094 1239 JABARA AVE. NORTH PORT, FL 34288 PH. 941-380-1574

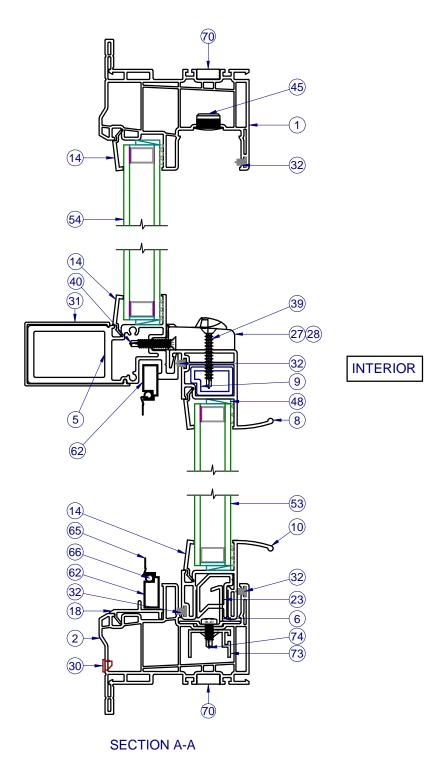
SHEET DESCRIPTION:

GLAZING DETAILS

DRAWN BY:	DATE:
EMK	11/12/15
DWG #:	REV.:
TDI-882	-
SCALE:	SHEET
1:1	2 OF 6

INTERIOR



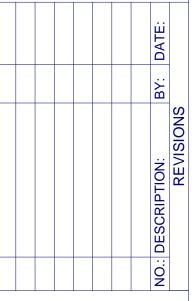


NOTE: ITEMS NOT SHOWN FOR CLARITY: 20, 25-26, 36-37, 44, 51-52, 55-56, 64, 67-68



1900 SW 44TH AVE. OCALA, FLORIDA 34474 WWW.CWS.CC

8100 PVC SINGLE HUNG IMPACT





9/29/2016

LUCAS A. TURNER, P.E. TX PE # 115094 1239 JABARA AVE. NORTH PORT, FL 34288 PH. 941-380-1574

SHEET DESCRIPTION:

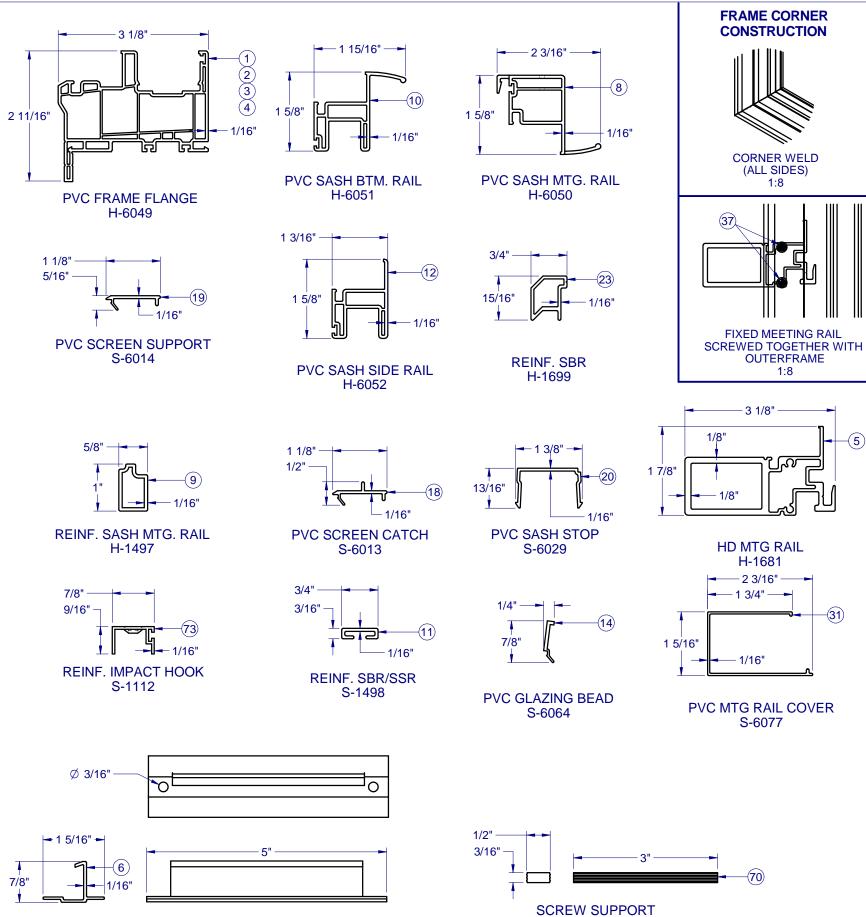
SECTION VIEWS

DRAWN BY:	DATE:
EMK	11/12/15
DWG #:	REV.:
TDI-882	-
SCALE:	SHEET
1:2	3 OF 6

TEM			PARTS LIST		
1 H-6049 Main Fr., SH, w/Flg., PVC, Sill Mikron Vinyl 2 H-6049 Main Fr., SH, w/Flg., PVC, Sill Mikron Vinyl 3 H-6049 Main Fr., SH, w/Flg., PVC, L. Jb. Mikron Vinyl 4 H-6049 Main Fr., SH, w/Flg., PVC, R. Jb. Mikron Vinyl 5 H-1681 Heavy Duty, Meet. Rail, Fxd. Aluminum Keymark Alum 6 S-1577 Impact Hook Keymark Alum 8 H-6050 Sash Meet. Rail Keymark Alum 9 H-1497 Reinf. Sash Meet. Rail Keymark Alum 10 H-6051 Sash Bottom Rail, PVC Mikron Vinyl 11 S-1498 Reinf. S.B.R./S.S.R Keymark Alum 12 H-6051 Sash Bottom Rail, PVC Mikron Vinyl 14 S-6064 Glz. Bd., 7/8" Mikron Vinyl 18 S-6013 Scm. Adapt., w/Nib, PVC, Horiz. Mikron Vinyl 29 S-6014 Scm.	ITEM	PART #	VENDOR	MATERIAL	
H-6049	1	H-6049	Main Fr., SH, w/Flg., PVC, Head	Mikron	Vinyl
3	2			Mikron	
4 H-6049 Main Fr., SH, w/Flg., PVC, R. Jb. Mikron Vinyl 5 H-1681 Heavy Duty, Meet. Rail, Fxd. Aluminum Keymark Alum 6 S-1577 Impact Hook Keymark Alum 8 H-6050 Sash Meet. Rail Keymark Alum 9 H-1497 Reinf. Sash Meet. Rail Keymark Alum 10 H-6051 Sash Bottom Rail, PVC Mikron Vinyl 11 S-1498 Reinf. Sash Keymark Alum 12 H-6052 Sash Side/Toy/Bot. Rail Mikron Vinyl 14 S-6064 Glz. Bd., 7/8" Mikron Vinyl 18 S-6013 Scm. Adapt., w/Nib, PVC, Horiz. Mikron Vinyl 19 S-6014 Scm. Adapt., pVC, Vert. Mikron Vinyl 20 S-6029 Sash Stop / Filler, PVC, Vert. Mikron Vinyl 21 P-5013 Reinforcement, SBR Keymark Alum 24 P-2190 Balance BSI SS	3			Mikron	
5 H-1681 Heavy Duty, Meet. Rail, Fxd. Aluminum Keymark Alum 6 S-1577 Impact Hook Keymark Alum 8 H-6050 Sash Meet. Rail, PVC Mikron Vinyl 9 H-1497 Reinf. Sash Meet. Rail Keymark Alum 10 H-6051 Sash Bottom Rail, PVC Mikron Vinyl 11 S-1498 Reinf. S.B.R./S.S.R Keymark Alum 12 H-6052 Sash Side/Top/Bot. Rail Mikron Vinyl 14 S-6064 Glz. Bd., 7/8" Mikron Vinyl 18 S-6013 Scm. Adapt., w/Nib, PVC, Horiz. Mikron Vinyl 19 S-6029 Sash Stop / Filler, PVC, Vert. Mikron Vinyl 20 S-6029 Sash Stop / Filler, PVC, Vert. Mikron Vinyl 21 H-1699 Reinforcement, SBR Keymark Alum 22 P-2190 Balance BSI Pssl 25 P-3059 Sash Cam, PVC BSI	4	H-6049	Main Fr., SH, w/Flg., PVC, R. Jb.	Mikron	
6 S-1577 Impact Hook Keymark Alum 8 H-6050 Sash Meet. Rail, PVC Mikron Vinyl 9 H-1497 Reinf. Sash Meet. Rail Keymark Alum 10 H-6051 Sash Bottom Rail, PVC Mikron Vinyl 11 S-1498 Reinf. S.B.R./S.S.R Keymark Alum 12 H-6052 Sash Side/Top/Bot. Rail Mikron Vinyl 14 S-6064 Glz. Bd., 7/8" Mikron Vinyl 18 S-6013 Scm. Adapt., w/Nib, PVC, Horiz. Mikron Vinyl 19 S-6014 Scm. Adapt., w/Nib, PVC, Horiz. Mikron Vinyl 20 S-6029 Sash Stop / Filler, PVC, Vert. Mikron Vinyl 21 P-2190 Balance BSI Sem 22 P-3059 Sash Cam, PVC BSI Plastic 25 P-3059 Sash Cam, PVC BSI Plastic 26 P-3046 Take Out Clip BSI SS	5	H-1681		Keymark	Alum
9 H-1497 Reinf. Sash Meet. Rail Keymark Alum 10 H-6051 Sash Bottom Rail, PVC Mikron Vinyl 11 S-1498 Reinf. S.B.R./S.S.R Keymark Alum 12 H-6052 Sash Side/Top/Bot. Rail Mikron Vinyl 14 S-6064 Glz. Bd., 7/8" Mikron Vinyl 18 S-6013 Scm. Adapt., W/Nib, PVC, Horiz. Mikron Vinyl 19 S-6044 Scm. Adapt., W/Nib, PVC, Vert. Mikron Vinyl 20 S-6029 Sash Stop / Filler, PVC, Vert. Mikron Vinyl 20 S-6029 Sash Stop / Filler, PVC, Vert. Mikron Vinyl 21 H-699 Reinforcement, SBR Keymark Alum 22 P-3059 Sash Cam, PVC BSI Plastic 25 P-3059 Sash Cam, PVC BSI SS 26 P-3048 Keeper, Impact, PVC Interlock Zamac 28 P-4069 Keeper, Impact, PVC I	6	S-1577	Impact Hook		Alum
H-6051 Sash Bottom Rail, PVC Mikron Vinyl	8	H-6050	Sash Meet. Rail, PVC	Mikron	Vinyl
111 S-1498 Reinf. S.B.R./S.S.R Keymark Alum 12 H-6052 Sash Side/Top/Bot. Rail Mikron Vinyl 14 S-6064 Glz. Bd., 7/8" Mikron Vinyl 18 S-6014 Scm. Adapt., w/Nib, PVC, Horiz. Mikron Vinyl 19 S-6014 Scm. Adapt., PVC, Vert. Mikron Vinyl 20 S-6029 Sash Stop / Filler, PVC, Vert. Mikron Vinyl 20 S-6029 Sash Stop / Filler, PVC, Vert. Mikron Vinyl 21 H-1699 Reinforcement, SBR Keymark Alum 24 P-2190 Balance BSI Plastic 25 P-3046 Take Out Clip BSI SS 26 P-3046 Keeper, Impact, PVC Interlock Zamac 28 P-4069 Keeper, Impact, PVC Interlock Zamac 30 P-3215 Weep Cover w/ Flap Gaer Plastic 31 S-6077 HD Fixed Meeting Rail Cover Mikron	9	H-1497	Reinf. Sash Meet. Rail	Keymark	Alum
12 H-6052 Sash Side/Top/Bot. Rail Mikron Vinyl 14 S-6064 Glz. Bd., 7/8" Mikron Vinyl 18 S-6014 Scm. Adapt., w/Nib, PVC, Horiz. Mikron Vinyl 19 S-6014 Scm. Adapt., PVC, Vert. Mikron Vinyl 20 S-6029 Sash Stop / Filler, PVC, Vert. Mikron Vinyl 23 H-1699 Reinforcement, SBR Keymark Alum 24 P-2190 Balance BSI Plastic 25 P-3059 Sash Cam, PVC BSI Plastic 26 P-3046 Take Out Clip BSI SS 27 P-3783 Lock, Impact, PVC Interlock Zamac 28 P-4069 Keeper, Impact, PVC Interlock Zamac 30 P-3215 Weep Cover w/ Flap Gaer Plastic 31 S-6077 HD Fixed Meeting Rail Cover Mikron Vinyl 32 P-3429 Wstp., 0.270 x. 187 back FinSeal, Gray Ultrafab	10	H-6051	Sash Bottom Rail, PVC	Mikron	Vinyl
14 S-6064 Glz. Bd., 7/8" Mikron Vinyl 18 S-6013 Scrn. Adapt., w/Nib, PVC, Horiz. Mikron Vinyl 19 S-6014 Scrn. Adapt., PVC, Vert. Mikron Vinyl 20 S-6029 Sash Stop / Filler, PVC, Vert. Mikron Vinyl 20 S-6029 Sash Stop / Filler, PVC, Vert. Mikron Vinyl 21 P-1909 Reinforcement, SBR Keymark Alum 24 P-2190 Balance BSI Plastic 25 P-3059 Sash Cam, PVC BSI Plastic 26 P-3046 Take Out Clip BSI SS 27 P-3783 Lock, Impact, PVC Interlock Zamac 28 P-4069 Keeper, Impact, PVC Interlock Zamac 29 P-4069 Keeper, Impact, PVC Interlock Zamac 30 P-37215 Weep Cover W/ Flap Gaer Plastic 31 S-6077 HD Fixed Meeting Rail Cover Mikron	11	S-1498	Reinf. S.B.R./S.S.R	Keymark	Alum
18 S-6013 Scm. Adapt., w/Nib, PVC, Horiz. Mikron Vinyl 19 S-6014 Scm. Adapt., PVC, Vert. Mikron Vinyl 20 S-6029 Sash Stop / Filler, PVC, Vert. Mikron Vinyl 23 H-1699 Reinforcement, SBR Keymark Alum 24 P-2190 Balance BSI Plastic 25 P-3059 Sash Cam, PVC BSI Plastic 26 P-3046 Take Out Clip BSI SS 27 P-3783 Lock, Impact, PVC Interlock Zamac 28 P-4069 Keeper, Impact, PVC Interlock Zamac 30 P-3215 Weep Cover w/ Flap Gaer Plastic 31 S-6077 HD Fixed Meeting Rail Cover Mikron Vinyl 31 S-6077 HD Fixed Meeting Rail Cover Mikron Vinyl 32 P-3429 Wstp., 0.270 x .187 back FinSeal, Gray Ultrafab 37 P-4638 #8 x 2-1/2 PH Mod. Truss, Type A, TEK 2	12	H-6052	Sash Side/Top/Bot. Rail	Mikron	Vinyl
19 S-6014 Scm. Adapt., PVC, Vert. Mikron Vinyl 20 S-6029 Sash Stop / Filler, PVC, Vert. Mikron Vinyl 23 H-1699 Reinforcement, SBR Keymark Alum 24 P-2190 Balance BSI 25 P-3059 Sash Cam, PVC BSI SS 26 P-3046 Take Out Clip BSI SS 27 P-3783 Lock, Impact, PVC Interlock Zamac 30 P-3215 Weep Cover w/ Flap Gaer Plastic 31 S-6077 HD Fixed Meeting Rail Cover Mikron Vinyl 31 S-6077 HD Fixed Meeting Rail Cover Mikron Vinyl 32 P-3429 Wstp., 0.270 x .187 back FinSeal, Gray Ultrafab 37 P-4638 #8 x 2-1/2 PH Mod. Truss, Type A, TEK 2 Fastenal 38 P-3768 #8 x 2-1/2 PH Mod. Truss, Type A, TEK 2 Fastenal 39 P-4638 #8 x 2-1/2 PH Mod. Truss, Type A, TEK 2 Fastenal 40	14	S-6064	Glz. Bd., 7/8"	Mikron	Vinyl
20 S-6029 Sash Stop / Filler, PVC, Vert. Mikron Vinyl 23 H-1699 Reinforcement, SBR Keymark Alum 24 P-2190 Balance BSI 25 P-3059 Sash Cam, PVC BSI Plastic 26 P-3046 Take Out Clip BSI SS 27 P-3046 Keeper, Impact, PVC Interlock Zamac 30 P-3215 Weep Cover W/ Flap Gaer Plastic 31 S-6077 HD Fixed Meeting Rail Cover Mikron Vinyl 32 P-3429 Wstp., 0.270 x .187 back FinSeal, Gray Ultrafab 37 P-4638 #8 x 2-1/2 PH Mod. Truss, Type A, TEK 2 Fastenal Steel 38 P-3768 #8 x 0.625 Ph PH SMS Hub City Steel 39	18	S-6013	Scrn. Adapt., w/Nib, PVC, Horiz.	Mikron	Vinyl
23 H-1699 Reinforcement, SBR Keymark Alum 24 P-2190 Balance BSI Plastic 25 P-3059 Sash Cam, PVC BSI Plastic 26 P-3046 Take Out Clip BSI SS 27 P-3783 Lock, Impact, PVC Interlock Zamac 28 P-4069 Keeper, Impact, PVC Interlock Zamac 30 P-3215 Weep Cover w/ Flap Gaer Plastic 31 S-6077 HD Fixed Meeting Rail Cover Mikron Vinyl 32 P-3429 Wstp., 0.270 x .187 back FinSeal, Gray Ultrafab 37 P-4638 #8 x 2-1/2 PH Mod. Truss, Type A, TEK 2 Fastenal Steel 38 P-3768 #8 x 0.625 Ph PH SMS Hub City Steel 39 P-4051W #8 x 1.250 Ph FH TEK, Wht. Hub City Steel 40 P-4264W #8 x 3/4 FH PH w/#6 Head, TEK, Wht. Hub City Steel 44 P-3342 Seam Sealer, SM-5504	19	S-6014	Scrn. Adapt., PVC, Vert.	Mikron	Vinyl
24 P-2190 Balance BSI Plastic 25 P-3059 Sash Cam, PVC BSI Plastic 26 P-3046 Take Out Clip BSI SS 27 P-3783 Lock, Impact, PVC Interlock Zamac 28 P-4069 Keeper, Impact, PVC Interlock Zamac 30 P-3215 Weep Cover w/ Flap Gaer Plastic 31 S-6077 HD Fixed Meeting Rail Cover Mikron Vinyl 32 P-3429 Wstp., 0.270 x .187 back FinSeal, Gray Ultrafab 37 P-3428 #8 x 2-1/2 PH Mod. Truss, Type A, TEK 2 Fastenal 38 P-3768 #8 x 2-1/2 PH Mod. Truss, Type A, TEK 2 Fastenal 38 P-3768 #8 x 0.625 Ph PH SMS Hub City Steel 38 P-3768 #8 x 0.625 Ph FH TEK, Wht. Hub City Steel 40 P-4264W #8 x 3/4 FH PH w/#6 Head, TEK, Wht. Hub City Steel 44 P-3342 Seam Sealer, SM-5504 Schnee	20	S-6029	Sash Stop / Filler, PVC, Vert.	Mikron	Vinyl
25 P-3059 Sash Cam, PVC BSI Plastic 26 P-3046 Take Out Clip BSI SS 27 P-3783 Lock, Impact, PVC Interlock Zamac 28 P-4069 Keeper, Impact, PVC Interlock Zamac 30 P-3215 Weep Cover w/ Flap Gaer Plastic 31 S-6077 HD Fixed Meeting Rail Cover Mikron Vinyl 32 P-3429 Wstp., 0.270 x .187 back FinSeal, Gray Ultrafab 37 P-4638 #8 x 2-1/2 PH Mod. Truss, Type A, TEK 2 Fastenal Steel 38 P-3428 #8 x 0.625 Ph PH SMS Hub City Steel 38 P-3638 #8 x 1.250 Ph FH TEK, Wht. Hub City Steel 40 P-4264W #8 x 3/4 FH PH w/#6 Head, TEK, Wht. Hub City Steel 44 P-3342 Seam Sealer, SM-5504 Schnee 45 P-3752 Cap Plug, 1/2" Hole M&M Nylon 47 P-3438 Sikaffex 552 or Purfect Glaze "H" <td< td=""><td>23</td><td>H-1699</td><td>Reinforcement, SBR</td><td>Keymark</td><td>Alum</td></td<>	23	H-1699	Reinforcement, SBR	Keymark	Alum
26 P-3046 Take Out Clip BSI SS 27 P-3783 Lock, Impact, PVC Interlock 28 P-4069 Keeper, Impact, PVC Interlock Zamac 30 P-3215 Weep Cover w/ Flap Gaer Plastic 31 S-6077 HD Fixed Meeting Rail Cover Mikron Vinyl 32 P-3429 Wstp., 0.270 x .187 back FinSeal, Gray Ultrafab 37 P-4638 #8 x 2-1/2 PH Mod. Truss, Type A, TEK 2 Fastenal Steel 38 P-3768 #8 x 0.625 Ph PH SMS Hub City Steel 39 P-4051W #8 x 1.250 Ph FH TEK, Wht. Hub City Steel 40 P-4264W #8 x 3/4 FH PH w/#6 Head, TEK, Wht. Hub City Steel 44 P-3342 Seam Sealer, SM-5504 Schnee 45 P-3752 Cap Plug, 1/2" Hole M&M Nylon 47 P-3438 Sikaflex 552 or Purfect Glaze "H" Sika/Henkel 48 P-3352 Set. Blk., 85 Dur., 1/8" x 5/8" x 2" Lg. F. Lowe <td>24</td> <td>P-2190</td> <td>Balance</td> <td>BSI</td> <td></td>	24	P-2190	Balance	BSI	
27 P-3783 Lock, Impact, PVC Interlock Zamac 28 P-4069 Keeper, Impact, PVC Interlock Zamac 30 P-3215 Weep Cover w/ Flap Gaer Plastic 31 S-6077 HD Fixed Meeting Rail Cover Mikron Vinyl 32 P-3429 Wstp., 0.270 x .187 back FinSeal, Gray Ultrafab 37 P-4638 #8 x 2-1/2 PH Mod. Truss, Type A, TEK 2 Fastenal Steel 38 P-3768 #8 x 0.625 Ph PH SMS Hub City Steel 39 P-4051W #8 x 1.250 Ph FH TEK, Wht. Hub City Steel 40 P-4264W #8 x 3/4 FH PH w/#6 Head, TEK, Wht. Hub City Steel 44 P-3342 Seam Sealer, SM-5504 Schnee 45 P-3752 Cap Plug, 1/2" Hole M&M Nylon 47 P-3438 Sikaflex 552 or Purfect Glaze "H" Sika/Henkel 48 P-3352 Set. Blk., 85 Dur., 1/8" x 5/8" x 2" Lg. F. Lowe Rubber 53 Sash SEE SHEET 2 </td <td>25</td> <td>P-3059</td> <td>Sash Cam, PVC</td> <td>BSI</td> <td>Plastic</td>	25	P-3059	Sash Cam, PVC	BSI	Plastic
28 P-4069 Keeper, Impact, PVC Interlock Zamac 30 P-3215 Weep Cover w/ Flap Gaer Plastic 31 S-6077 HD Fixed Meeting Rail Cover Mikron Vinyl 32 P-3429 Wstp., 0.270 x .187 back FinSeal, Gray Ultrafab 37 P-4638 #8 x 2-1/2 PH Mod. Truss, Type A, TEK 2 Fastenal Steel 38 P-3768 #8 x 0.625 Ph PH SMS Hub City Steel 39 P-4051W #8 x 1.250 Ph FH TEK, Wht. Hub City Steel 40 P-4264W #8 x 3/4 FH PH w/#6 Head, TEK, Wht. Hub City Steel 44 P-3342 Seam Sealer, SM-5504 Schnee 45 P-3752 Cap Plug, 1/2" Hole M&M Nylon 47 P-3438 Sikaflex 552 or Purfect Glaze "H" Sika/Henkel 48 P-3352 Set. Blk., 85 Dur., 1/8" x 5/8" x 2" Lg. F. Lowe Rubber 53 Sash SEE SHEET 2 GLASS 54 Fixed SEE SHEET 2 GLASS <td>26</td> <td>P-3046</td> <td>Take Out Clip</td> <td>BSI</td> <td>SS</td>	26	P-3046	Take Out Clip	BSI	SS
30 P-3215 Weep Cover w/ Flap Gaer Plastic 31 S-6077 HD Fixed Meeting Rail Cover Mikron Vinyl 32 P-3429 Wstp., 0.270 x .187 back FinSeal, Gray Ultrafab 37 P-4638 #8 x 2-1/2 PH Mod. Truss, Type A, TEK 2 Fastenal Steel 38 P-3768 #8 x 0.625 Ph PH SMS Hub City Steel 39 P-4051W #8 x 1.250 Ph FH TEK, Wht. Hub City Steel 40 P-4264W #8 x 3/4 FH PH w/#6 Head, TEK, Wht. Hub City Steel 44 P-3342 Seam Sealer, SM-5504 Schnee 45 P-3752 Cap Plug, 1/2" Hole M&M Nylon 47 P-3438 Sikaflex 552 or Purfect Glaze "H" Sika/Henkel 48 P-3352 Set. Blk., 85 Dur., 1/8" x 5/8" x 2" Lg. F. Lowe Rubber 53 Sash SEE SHEET 2 GLASS 54 Fixed SEE SHEET 2 GLASS 56 P-3281 Screen Frame, Vert. Allmetal Alum	27	P-3783	Lock, Impact, PVC	Interlock	
31 S-6077 HD Fixed Meeting Rail Cover Mikron Vinyl 32 P-3429 Wstp., 0.270 x .187 back FinSeal, Gray Ultrafab 37 P-4638 #8 x 2-1/2 PH Mod. Truss, Type A, TEK 2 Fastenal Steel 38 P-3768 #8 x 0.625 Ph PH SMS Hub City Steel 39 P-4051W #8 x 1.250 Ph FH TEK, Wht. Hub City Steel 40 P-4264W #8 x 3/4 FH PH w/#6 Head, TEK, Wht. Hub City Steel 44 P-3342 Seam Sealer, SM-5504 Schnee Schnee 45 P-3752 Cap Plug, 1/2" Hole M&M Nylon 47 P-3438 Sikaflex 552 or Purfect Glaze "H" Sika/Henkel 48 P-3352 Set. Blk., 85 Dur., 1/8" x 5/8" x 2" Lg. F. Lowe Rubber 53 Sash SEE SHEET 2 GLASS 54 Fixed SEE SHEET 2 GLASS 56 P-3281 Screen Frame, Horiz. Allmetal Alum 63 P-3218 Screen Frame Corner Key Allmetal	28	P-4069	Keeper, Impact, PVC	Interlock	Zamac
32 P-3429 Wstp., 0.270 x .187 back FinSeal, Gray Ultrafab 37 P-4638 #8 x 2-1/2 PH Mod. Truss, Type A, TEK 2 Fastenal Steel 38 P-3768 #8 x 0.625 Ph PH SMS Hub City Steel 39 P-4051W #8 x 1.250 Ph FH TEK, Wht. Hub City Steel 40 P-4264W #8 x 3/4 FH PH w/#6 Head, TEK, Wht. Hub City Steel 40 P-4264W #8 x 3/4 FH PH w/#6 Head, TEK, Wht. Hub City Steel 44 P-3342 Seam Sealer, SM-5504 Schnee 45 P-3752 Cap Plug, 1/2" Hole M&M Nylon 47 P-3438 Sikaflex 552 or Purfect Glaze "H" Sika/Henkel 48 P-3352 Set. Blk., 85 Dur., 1/8" x 5/8" x 2" Lg. F. Lowe Rubber 53 Sash SEE SHEET 2 GLASS 54 Fixed SEE SHEET 2 GLASS 56 P-3218 Screen Frame, Horiz. Allmetal Alum 63 P-3218 Screen Frame Corner Key Allmetal P	30	P-3215	Weep Cover w/ Flap	Gaer	Plastic
37 P-4638 #8 x 2-1/2 PH Mod. Truss, Type A, TEK 2 Fastenal Steel 38 P-3768 #8 x 0.625 Ph PH SMS Hub City Steel 39 P-4051W #8 x 1.250 Ph FH TEK, Wht. Hub City Steel 40 P-4264W #8 x 3/4 FH PH w/#6 Head, TEK, Wht. Hub City Steel 44 P-3342 Seam Sealer, SM-5504 Schnee 45 P-3752 Cap Plug, 1/2" Hole M&M Nylon 47 P-3438 Sikaflex 552 or Purfect Glaze "H" Sika/Henkel 48 P-3352 Set. Blk., 85 Dur., 1/8" x 5/8" x 2" Lg. F. Lowe Rubber 53 Sash SEE SHEET 2 GLASS 54 Fixed SEE SHEET 2 GLASS 56 P-3281 Spacer Duraseal 62 P-3218 Screen Frame, Horiz. Allmetal Alum 64 P-3321 Screen Frame Corner Key Allmetal Plastic 65 P-3581 Screen Cloth, 18 x 16 Fiberglass Bettervue Fiberglass	31	S-6077	HD Fixed Meeting Rail Cover	Mikron	Vinyl
38 P-3768 #8 x 0.625 Ph PH SMS Hub City Steel 39 P-4051W #8 x 1.250 Ph FH TEK, Wht. Hub City Steel 40 P-4264W #8 x 3/4 FH PH w/#6 Head, TEK, Wht. Hub City Steel 44 P-3342 Seam Sealer, SM-5504 Schnee 45 P-3752 Cap Plug, 1/2" Hole M&M Nylon 47 P-3438 Sikaflex 552 or Purfect Glaze "H" Sika/Henkel 48 P-3352 Set. Blk., 85 Dur., 1/8" x 5/8" x 2" Lg. F. Lowe Rubber 53 Sash SEE SHEET 2 GLASS 54 Fixed SEE SHEET 2 GLASS 56 P-3281 Spacer Duraseal 62 P-3218 Screen Frame, Horiz. Allmetal Alum 63 P-3218 Screen Frame Corner Key Allmetal Plastic 65 P-3321 Screen Cloth, 18 x 16 Fiberglass Bettervue Fiberglass 66 P-3228 Screen Spline, .155 Dia., Blk. Dapa Vinyl	32	P-3429	Wstp., 0.270 x .187 back FinSeal, Gray	Ultrafab	
39 P-4051W #8 x 1.250 Ph FH TEK, Wht. Hub City Steel 40 P-4264W #8 x 3/4 FH PH w/#6 Head, TEK, Wht. Hub City Steel 44 P-3342 Seam Sealer, SM-5504 Schnee 45 P-3752 Cap Plug, 1/2" Hole M&M Nylon 47 P-3438 Sikaflex 552 or Purfect Glaze "H" Sika/Henkel 48 P-3352 Set. Blk., 85 Dur., 1/8" x 5/8" x 2" Lg. F. Lowe Rubber 53 Sash SEE SHEET 2 GLASS 54 Fixed SEE SHEET 2 GLASS 56 P-3281 Spacer Duraseal 62 P-3218 Screen Frame, Horiz. Allmetal Alum 63 P-3218 Screen Frame Corner Key Allmetal Plastic 65 P-3581 Screen Cloth, 18 x 16 Fiberglass Bettervue Fiberglass 66 P-3228 Screen Spline, .155 Dia., Blk. Dapa Vinyl 67 P-3033 Screen Spring, SS Fl. Screen SS 70 </td <td>37</td> <td>P-4638</td> <td>#8 x 2-1/2 PH Mod. Truss, Type A, TEK 2</td> <td>Fastenal</td> <td>Steel</td>	37	P-4638	#8 x 2-1/2 PH Mod. Truss, Type A, TEK 2	Fastenal	Steel
40 P-4264W #8 x 3/4 FH PH w/#6 Head, TEK, Wht. Hub City Steel 44 P-3342 Seam Sealer, SM-5504 Schnee 45 P-3752 Cap Plug, 1/2" Hole M&M Nylon 47 P-3438 Sikaflex 552 or Purfect Glaze "H" Sika/Henkel 48 P-3352 Set. Blk., 85 Dur., 1/8" x 5/8" x 2" Lg. F. Lowe Rubber 53 Sash SEE SHEET 2 GLASS 54 Fixed SEE SHEET 2 GLASS 56 P-3281 Spacer Duraseal 62 P-3218 Screen Frame, Horiz. Allmetal Alum 63 P-3218 Screen Frame Corner Key Allmetal Plastic 65 P-3321 Screen Frame Corner Key Allmetal Plastic 65 P-3228 Screen Spline, .155 Dia., Blk. Dapa Vinyl 67 P-3029 Screen Spring, SS FI. Screen SS 70 P-3113 Screw Support for PVC T. Plastics Nylon 73	38	P-3768	#8 x 0.625 Ph PH SMS	Hub City	Steel
44 P-3342 Seam Sealer, SM-5504 Schnee 45 P-3752 Cap Plug, 1/2" Hole M&M Nylon 47 P-3438 Sikaflex 552 or Purfect Glaze "H" Sika/Henkel 48 P-3352 Set. Blk., 85 Dur., 1/8" x 5/8" x 2" Lg. F. Lowe Rubber 53 Sash SEE SHEET 2 GLASS 54 Fixed SEE SHEET 2 GLASS 56 P-3281 Spacer Duraseal 62 P-3218 Screen Frame, Horiz. Allmetal Alum 63 P-3218 Screen Frame, Vert. Allmetal Alum 64 P-3321 Screen Frame Corner Key Allmetal Plastic 65 P-3581 Screen Cloth, 18 x 16 Fiberglass Bettervue Fiberglass 66 P-3228 Screen Spline, .155 Dia., Blk. Dapa Vinyl 67 P-3029 Screen Pull Tab Summit Alum 68 P-3033 Screen Spring, SS Fl. Screen SS 70 P-3113	39	P-4051W	#8 x 1.250 Ph FH TEK, Wht.	Hub City	Steel
45P-3752Cap Plug, 1/2" HoleM&MNylon47P-3438Sikaflex 552 or Purfect Glaze "H"Sika/Henkel48P-3352Set. Blk., 85 Dur., 1/8" x 5/8" x 2" Lg.F. LoweRubber53SashSEE SHEET 2GLASS54FixedSEE SHEET 2GLASS56P-3281SpacerDuraseal62P-3218Screen Frame, Horiz.AllmetalAlum63P-3218Screen Frame, Vert.AllmetalAlum64P-3321Screen Frame Corner KeyAllmetalPlastic65P-3581Screen Cloth, 18 x 16 FiberglassBettervueFiberglass66P-3228Screen Spline, .155 Dia., Blk.DapaVinyl67P-3029Screen Pull TabSummitAlum68P-3033Screen Spring, SSFI. ScreenSS70P-3113Screw Support for PVCT. PlasticsNylon73S-1112Reinforcement, Impact HooksKeymarkAlum	40	P-4264W		Hub City	Steel
47P-3438Sikaflex 552 or Purfect Glaze "H"Sika/Henkel48P-3352Set. Blk., 85 Dur., 1/8" x 5/8" x 2" Lg.F. LoweRubber53SashSEE SHEET 2GLASS54FixedSEE SHEET 2GLASS56P-3281SpacerDuraseal62P-3218Screen Frame, Horiz.AllmetalAlum63P-3218Screen Frame Corner KeyAllmetalPlastic64P-3321Screen Frame Corner KeyAllmetalPlastic65P-3581Screen Cloth, 18 x 16 FiberglassBettervueFiberglass66P-3228Screen Spline, .155 Dia., Blk.DapaVinyl67P-3029Screen Pull TabSummitAlum68P-3033Screen Spring, SSFI. ScreenSS70P-3113Screw Support for PVCT. PlasticsNylon73S-1112Reinforcement, Impact HooksKeymarkAlum	44	P-3342	Seam Sealer, SM-5504	Schnee	
48P-3352Set. Blk., 85 Dur., 1/8" x 5/8" x 2" Lg.F. LoweRubber53SashSEE SHEET 2GLASS54FixedSEE SHEET 2GLASS56P-3281SpacerDuraseal62P-3218Screen Frame, Horiz.AllmetalAlum63P-3218Screen Frame, Vert.AllmetalAlum64P-3321Screen Frame Corner KeyAllmetalPlastic65P-3581Screen Cloth, 18 x 16 FiberglassBettervueFiberglass66P-3228Screen Spline, .155 Dia., Blk.DapaVinyl67P-3029Screen Pull TabSummitAlum68P-3033Screen Spring, SSFl. ScreenSS70P-3113Screw Support for PVCT. PlasticsNylon73S-1112Reinforcement, Impact HooksKeymarkAlum	45	P-3752		M&M	Nylon
53SashSEE SHEET 2GLASS54FixedSEE SHEET 2GLASS56P-3281SpacerDuraseal62P-3218Screen Frame, Horiz.AllmetalAlum63P-3218Screen Frame, Vert.AllmetalAlum64P-3321Screen Frame Corner KeyAllmetalPlastic65P-3581Screen Cloth, 18 x 16 FiberglassBettervueFiberglass66P-3228Screen Spline, .155 Dia., Blk.DapaVinyl67P-3029Screen Pull TabSummitAlum68P-3033Screen Spring, SSFI. ScreenSS70P-3113Screw Support for PVCT. PlasticsNylon73S-1112Reinforcement, Impact HooksKeymarkAlum	47	P-3438	Sikaflex 552 or Purfect Glaze "H"	Sika/Henkel	
54FixedSEE SHEET 2GLASS56P-3281SpacerDuraseal62P-3218Screen Frame, Horiz.AllmetalAlum63P-3218Screen Frame, Vert.AllmetalAlum64P-3321Screen Frame Corner KeyAllmetalPlastic65P-3581Screen Cloth, 18 x 16 FiberglassBettervueFiberglass66P-3228Screen Spline, .155 Dia., Blk.DapaVinyl67P-3029Screen Pull TabSummitAlum68P-3033Screen Spring, SSFl. ScreenSS70P-3113Screw Support for PVCT. PlasticsNylon73S-1112Reinforcement, Impact HooksKeymarkAlum	48	P-3352	Set. Blk., 85 Dur., 1/8" x 5/8" x 2" Lg.	F. Lowe	Rubber
56P-3281SpacerDuraseal62P-3218Screen Frame, Horiz.AllmetalAlum63P-3218Screen Frame, Vert.AllmetalAlum64P-3321Screen Frame Corner KeyAllmetalPlastic65P-3581Screen Cloth, 18 x 16 FiberglassBettervueFiberglass66P-3228Screen Spline, .155 Dia., Blk.DapaVinyl67P-3029Screen Pull TabSummitAlum68P-3033Screen Spring, SSFl. ScreenSS70P-3113Screw Support for PVCT. PlasticsNylon73S-1112Reinforcement, Impact HooksKeymarkAlum	53	Sash			
62P-3218Screen Frame, Horiz.AllmetalAlum63P-3218Screen Frame, Vert.AllmetalAlum64P-3321Screen Frame Corner KeyAllmetalPlastic65P-3581Screen Cloth, 18 x 16 FiberglassBettervueFiberglass66P-3228Screen Spline, .155 Dia., Blk.DapaVinyl67P-3029Screen Pull TabSummitAlum68P-3033Screen Spring, SSFl. ScreenSS70P-3113Screw Support for PVCT. PlasticsNylon73S-1112Reinforcement, Impact HooksKeymarkAlum	54	Fixed	SEE SHEET 2		GLASS
63P-3218Screen Frame, Vert.AllmetalAlum64P-3321Screen Frame Corner KeyAllmetalPlastic65P-3581Screen Cloth, 18 x 16 FiberglassBettervueFiberglass66P-3228Screen Spline, .155 Dia., Blk.DapaVinyl67P-3029Screen Pull TabSummitAlum68P-3033Screen Spring, SSFl. ScreenSS70P-3113Screw Support for PVCT. PlasticsNylon73S-1112Reinforcement, Impact HooksKeymarkAlum	56	P-3281		Duraseal	
64P-3321Screen Frame Corner KeyAllmetalPlastic65P-3581Screen Cloth, 18 x 16 FiberglassBettervueFiberglass66P-3228Screen Spline, .155 Dia., Blk.DapaVinyl67P-3029Screen Pull TabSummitAlum68P-3033Screen Spring, SSFl. ScreenSS70P-3113Screw Support for PVCT. PlasticsNylon73S-1112Reinforcement, Impact HooksKeymarkAlum	62	P-3218		Allmetal	Alum
65P-3581Screen Cloth, 18 x 16 FiberglassBettervueFiberglass66P-3228Screen Spline, .155 Dia., Blk.DapaVinyl67P-3029Screen Pull TabSummitAlum68P-3033Screen Spring, SSFl. ScreenSS70P-3113Screw Support for PVCT. PlasticsNylon73S-1112Reinforcement, Impact HooksKeymarkAlum	63	P-3218		Allmetal	
66P-3228Screen Spline, .155 Dia., Blk.DapaVinyl67P-3029Screen Pull TabSummitAlum68P-3033Screen Spring, SSFl. ScreenSS70P-3113Screw Support for PVCT. PlasticsNylon73S-1112Reinforcement, Impact HooksKeymarkAlum	64	P-3321	•	Allmetal	
67P-3029Screen Pull TabSummitAlum68P-3033Screen Spring, SSFI. ScreenSS70P-3113Screw Support for PVCT. PlasticsNylon73S-1112Reinforcement, Impact HooksKeymarkAlum	65	P-3581	_	Bettervue	Fiberglass
68P-3033Screen Spring, SSFI. ScreenSS70P-3113Screw Support for PVCT. PlasticsNylon73S-1112Reinforcement, Impact HooksKeymarkAlum	66	P-3228	Screen Spline, .155 Dia., Blk.		Vinyl
70P-3113Screw Support for PVCT. PlasticsNylon73S-1112Reinforcement, Impact HooksKeymarkAlum	67	P-3029			Alum
73 S-1112 Reinforcement, Impact Hooks Keymark Alum	68	P-3033	. 5	Fl. Screen	SS
•	70	P-3113		T. Plastics	Nylon
74 D 2544 #0 v 4/21 Den Heed TEI/	73	S-1112	•	Keymark	Alum
74 P-3541 #8 X 1/2", Pan Head, TEK Fastenal Steel	74	P-3541	#8 x 1/2", Pan Head, TEK	Fastenal	Steel

LINE ITEMS NOT USED:

7, 13, 15-17, 21-22, 29, 33-36, 41-43, 46, 49-52, 55, 57-61, 69, 71-72



P-3113

WINDOW SYSTEMS

1900 SW 44TH AVE. OCALA, FLORIDA 34474

8100 PVC

SINGLE HUNG

IMPACT

LUCAS A. TURNER

IT

9/29/2016 LUCAS A. TURNER, P.E. TX PE # 115094

1239 JABARA AVE. NORTH PORT, FL 34288 PH. 941-380-1574

BOM AND EXTRUSIONS

DATE:

REV.:

11/12/15

SHEET

4 OF 6

SHEET DESCRIPTION:

DRAWN BY:

DWG #:

SCALE:

EMK

TDI-882

1:2

DATE:

BY:

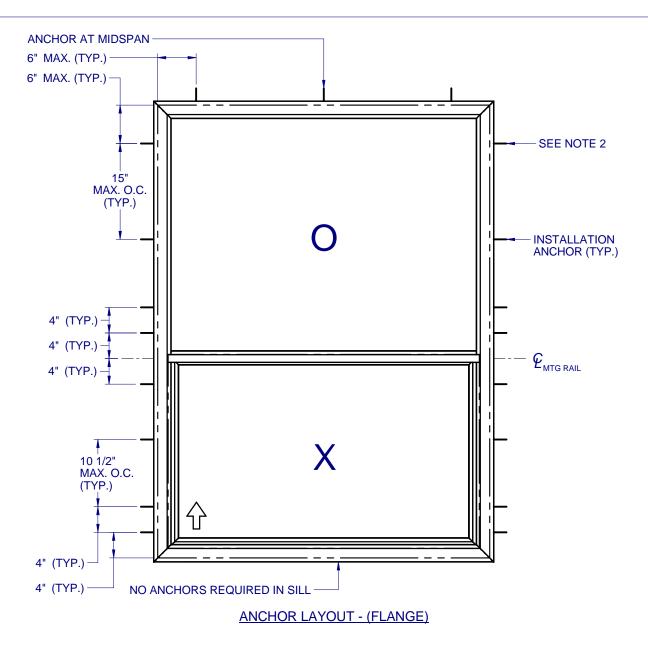
DESCRIPTION:
REVISIONS

.: ON

WWW.CWS.CC

IMPACT HOOK

S-1577



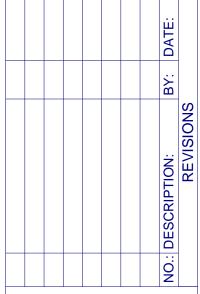
NOTES:

- 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)



1900 SW 44TH AVE. OCALA, FLORIDA 34474 WWW.CWS.CC

8100 PVC SINGLE HUNG IMPACT





9/29/2016

LUCAS A. TURNER, P.E. TX PE # 115094 1239 JABARA AVE. NORTH PORT, FL 34288 PH. 941-380-1574

SHEET DESCRIPTION:

ANCHOR SCHEDULE AND NOTES

DRAWN BY:	DATE:
EMK	11/12/15
DWG #:	REV.:
TDI-882	-
SCALE:	SHEET
1:15	5 OF 6

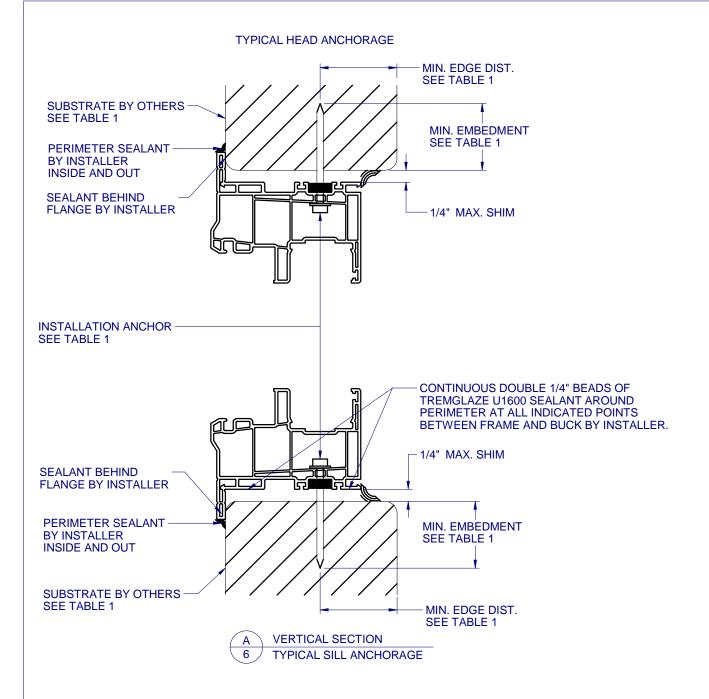
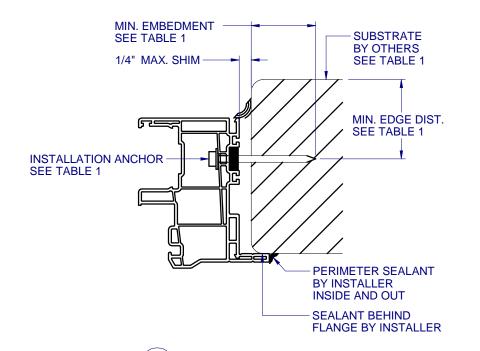
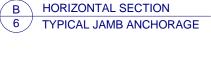
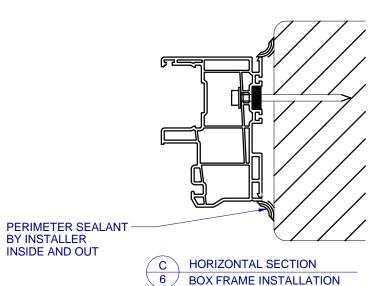


TABLE 1: APPROVED INSTALLATION FASTENERS			
SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DIST.
CONCRETE (2.0 KSI MIN.)	3/16" ITW TAPCON	1-1/2"	1-1/8"
HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	3/16" ITW TAPCON	1"	2"
CONCRETE (2.85 KSI MIN.)	3/16" ELCO ULTRACON	1"	1"
GROUT-FILLED CMU (ASTM C-90)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

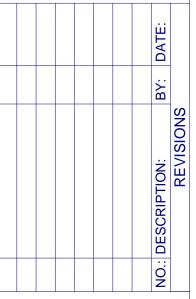
HEAD AND SILL SIMILAR FOR BOX INSTALLATION

- 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.



1900 SW 44TH AVE. OCALA, FLORIDA 34474 WWW.CWS.CC

8100 PVC SINGLE HUNG IMPACT





9/29/2016

LUCAS A. TURNER, P.E. TX PE # 115094 1239 JABARA AVE. NORTH PORT, FL 34288 PH. 941-380-1574

SHEET DESCRIPTION:

INSTALLATION DETAILS

:	DRAWN BY:	DATE:
	EMK	11/12/15
	DWG #:	REV.:
	TDI-882	-
	SCALE:	SHEET
	1:2	6 OF 6