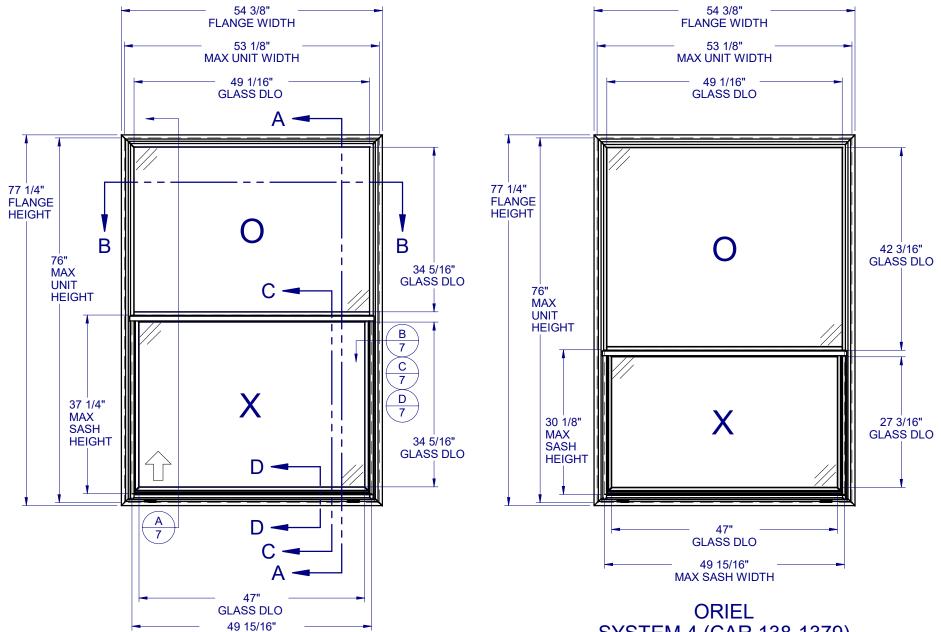
MODEL 610 SYSTEMS 2, 3, AND 4 SINGLE HUNG - NON-IMPACT



GENERAL NOTES:

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE REQUIREMENTS OF THE 2018 INTERNATIONAL BUILDING CODE AND 2018 INTERNATIONAL RESIDENTIAL CODE.
- 2. GLAZING OPTIONS: (SEE SHEET 3)
- 3. CONFIGURATIONS: "O/X".
- 4. 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.
- 5. NOT APPROVED FOR IMPACT RESISTANCE. IMPACT PROTECTIVE SYSTEM IS REQUIRED IN WIND BORNE DEBRIS REGION.
- 6. ALL FRAMES AND VENTS FULLY WELDED. SMALL JOINT SEAM SEALANT USED AT FIXED MEETING RAIL AND JAMB.
- 7. SERIES / MODEL DESIGNATION SH-610.
- 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 1-1/2" LOCATED 5" FROM BOTH ENDS.



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

610 PVC SINGLE HUNG NON-IMPACT

		7/22/21	3/8/17	8/2/16	DATE:	
		JLD	JML	JML	BY:	
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8/5/2021

LUCAS A. TURNER, P.E. TX PE # 115094 2428 Old Natchez Trc Trl Camden, TN 38320 PH. 941-380-1574

SHEET DESCRIPTION:

GENERAL NOTES AND ELEVATIONS

DRAWN BY:	DATE:
EMK	12/17/15
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SCALE:	SHEET
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SYSTEM 4 (CAR 138-1379)
MAXIMUM ALLOWABLE DESIGN PRESSURE: +50/-50 PSF

SYSTEM 2 (CAR 138-1305)

MAXIMUM ALLOWABLE DESIGN PRESSURE: +50/-50 PSF

MAX SASH WIDTH

EQUAL SPLIT

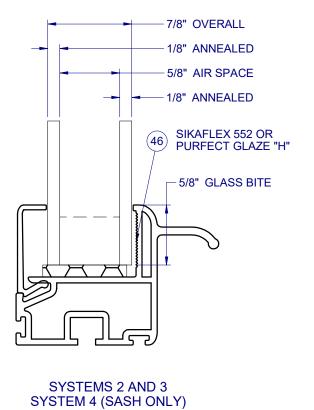
SYSTEM 3 (CAR 138-1306)

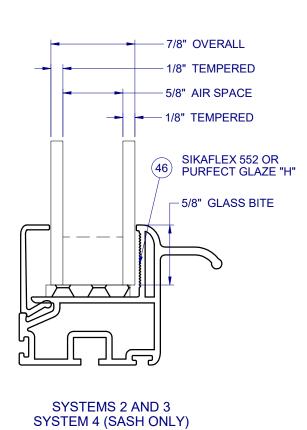
MAXIMUM ALLOWABLE DESIGN PRESSURE: +50/-50 PSF

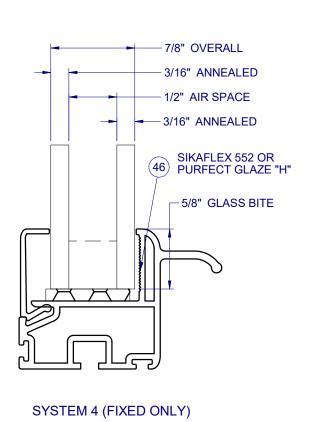
TABLE OF CONTENTS

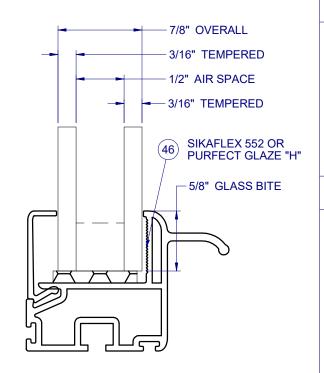
ELEVATIONS.....12 3

* ONLY REQUIRED WITH H-6137 FIXED MEETING RAIL & SCREW-ON INTERLOCK, S-2001 - SEE SHEET 4 FOR DETAILS.









SYSTEM 4 (FIXED ONLY)



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

610 PVC SINGLE HUNG NON-IMPACT

		7/22/21	3/8/17	8/2/16	DATE:		
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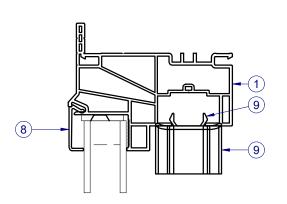
8/5/2021

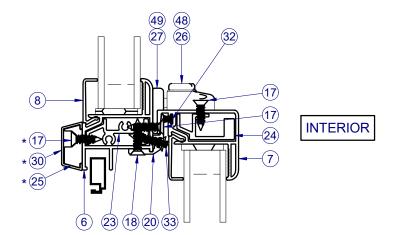
LUCAS A. TURNER, P.E. TX PE # 115094 2428 Old Natchez Trc Trl Camden, TN 38320 PH. 941-380-1574

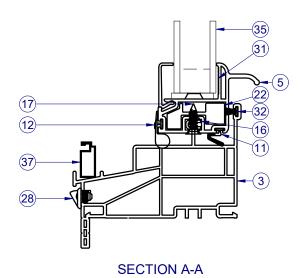
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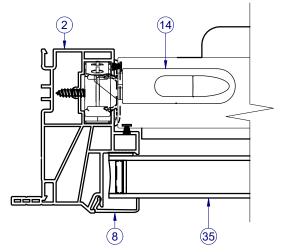
GLAZING DETAILS

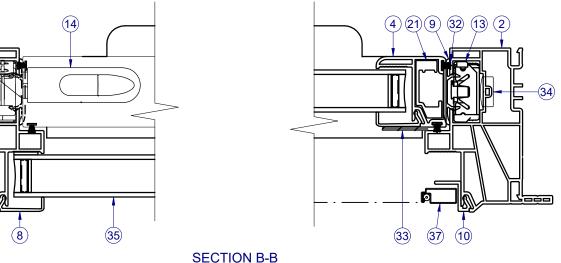
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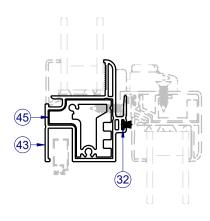


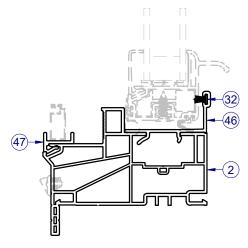




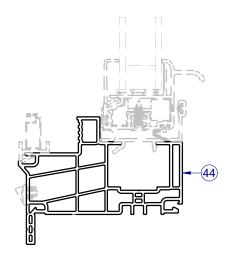
NOTE: LEFT SIDE SHOWS FIXED SECTION VIEW, RIGHT SIDE SHOWS SASH SECTION VIEW.

INTERIOR





SECTION C-C ALTERNATE HD MEETING RAIL AND UNI-FRAME



SECTION D-D DEEP POCKET UNI-FRAME

NOTES:

- FIN FRAME AVAILABLE FOR BOTH UNI-FRAME AND STANDARD FRAME TYPES.
- 880 BALANCERS AND DEEP POCKET UNI-FRAME (H-6193) REQUIRED FOR LARGER SASHES. (NOT SHOWN IN SECTION B-B)
- * EXTERNAL REINFORCEMENT REQUIRED ON UNIT WIDTHS OVER 37" WITH THE H-6137 FIXED MEETING RAIL AND SCREW-ON INTERLOCK, S-2001.



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610 PVC SINGLE HUNG NON-IMPACT

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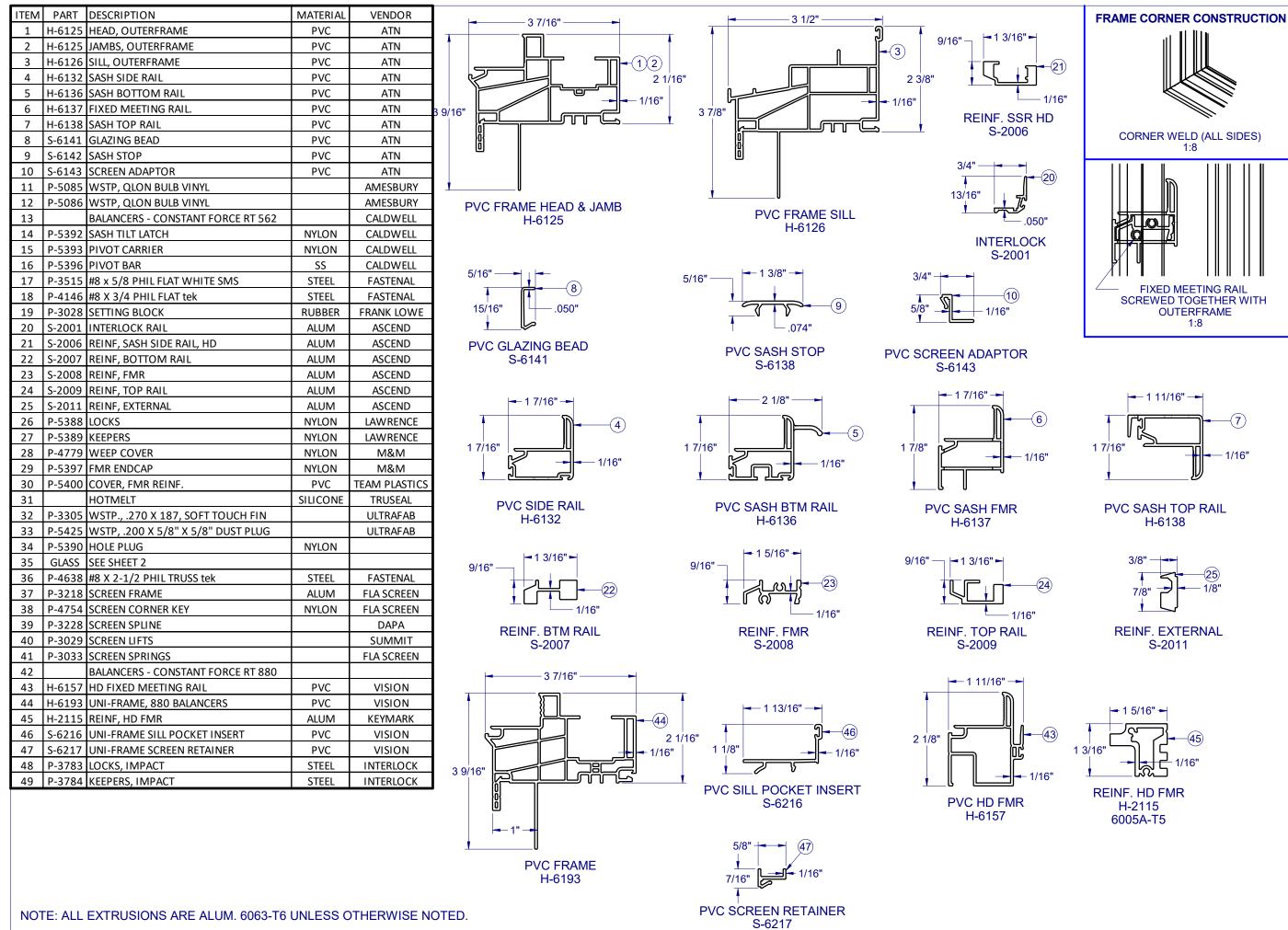
8/5/2021

LUCAS A. TURNER, P.E. TX PE # 115094 2428 Old Natchez Trc Trl Camden, TN 38320 PH. 941-380-1574

SHEET DESCRIPTION:

SECTION VIEWS

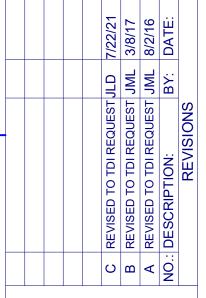
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610 PVC SINGLE HUNG NON-IMPACT





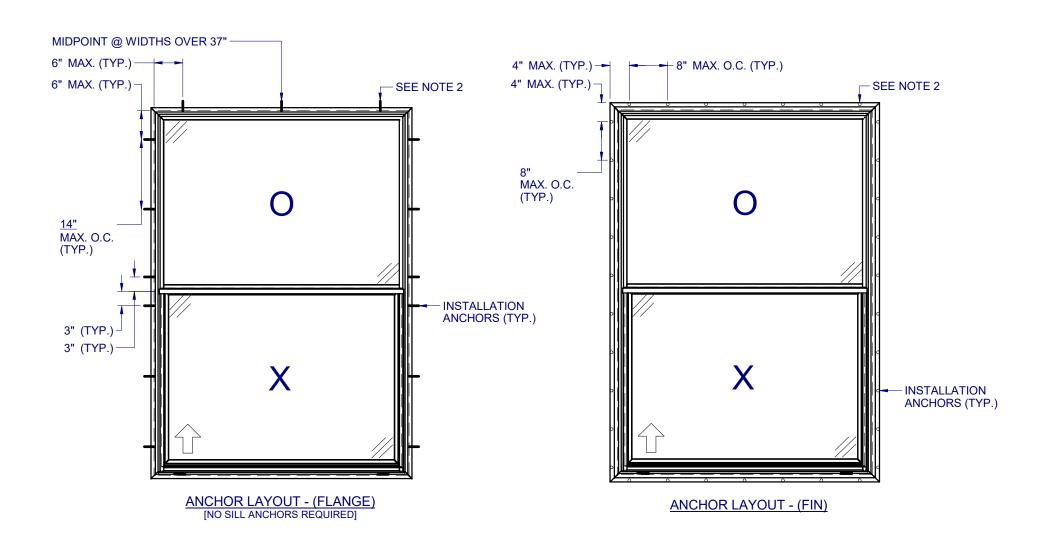
8/5/2021

LUCAS A. TURNER, P.E. TX PE # 115094 2428 Old Natchez Trc Trl Camden, TN 38320 PH. 941-380-1574

SHEET DESCRIPTION:

BOM AND EXTRUSIONS

DATE:
12/17/15
REV.:
С
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4 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 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: 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 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)



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610 PVC SINGLE HUNG NON-IMPACT

		7/22/21	3/8/17	8/2/16	DATE:	
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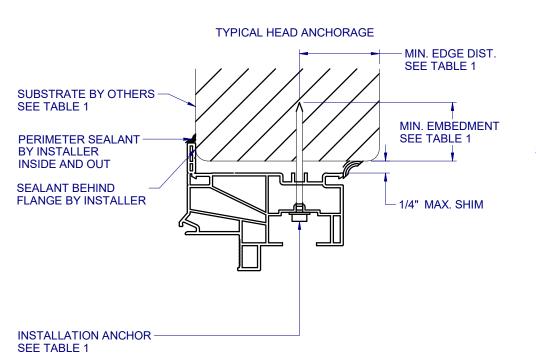
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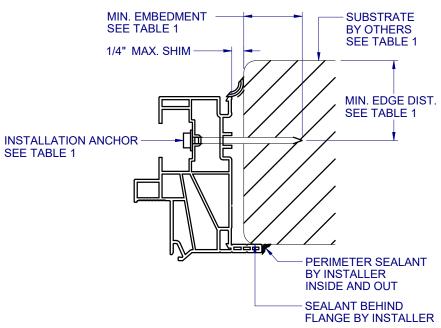
LUCAS A. TURNER, P.E. TX PE # 115094 2428 Old Natchez Trc Trl Camden, TN 38320 PH. 941-380-1574

SHEET DESCRIPTION:

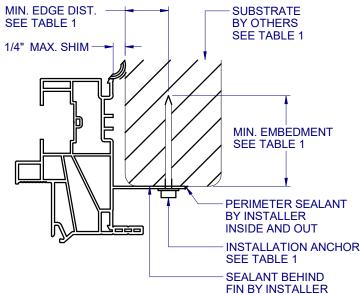
ANCHOR SCHEDULE AND NOTES

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B HORIZONTAL SECTION
7 TYPICAL JAMB ANCHORAGE



C HORIZONTAL SECTION

7 TYPICAL FIN ANCHORAGE
HEAD AND SILL SIMILAR FOR FIN INSTALLATION

CUSTOM[®]
WINDOW SYSTEMS
1900 SW 44TH AVE.

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610 PVC SINGLE HUNG NON-IMPACT

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8/5/2021

LUCAS A. TURNER, P.E. TX PE # 115094 2428 Old Natchez Trc Trl Camden, TN 38320 PH. 941-380-1574

SHEET DESCRIPTION:

INSTALLATION DETAILS

١.	DRAWN BY:	DATE:
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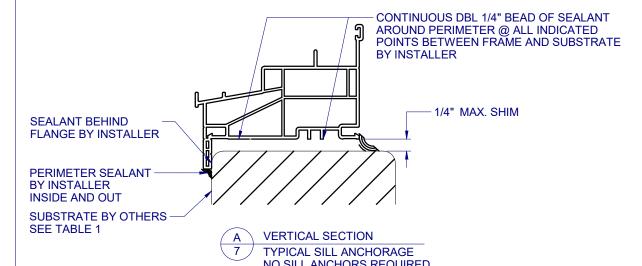


	TABLE 1: APPROVED	INSTALLATION FASTENERS		
FRAME TYPE	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DIST.
FLANGE	CONCRETE (2.0 KSI MIN.)	3/16" ITW TAPCON	1"	1-1/8"
FLANGE	HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	3/16" ITW TAPCON	1"	2"
FLANGE	CONCRETE (2.85 KSI MIN.)	3/16" ELCO ULTRACON	1"	1"
FLANGE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

PERIMETER SEALANT
BY INSTALLER
INSIDE AND OUT

D HORIZONTAL SECTION
T BOX FRAME INSTALLATION
SIMILAR FOR SILL AND JAMBS 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.