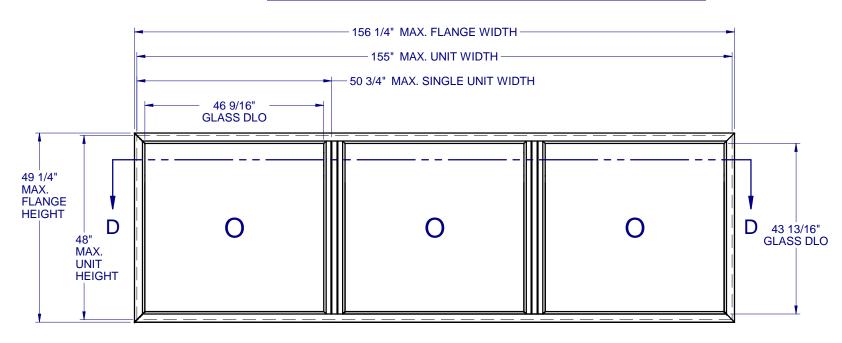
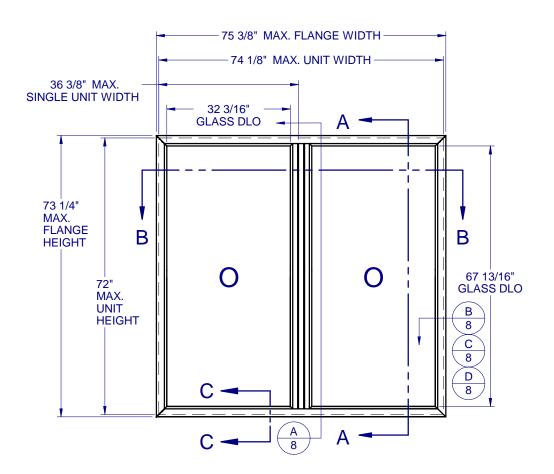
PICTURE WINDOW - NON-IMPACT





GENERAL NOTES:

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE (FBC), CURRENT EDITION.
- 2. GLAZING OPTIONS: (SEE SHEET 2)
- 3. CONFIGURATIONS: "O/O", "O/O/O".
- 4. DESIGN PRESSURE RATING (SEE SHEET 3):
 -NEGATIVE DESIGN LOADS BASED ON, TESTED PRESSURE AND
 GLASS TABLES ASTM E-1300-04e01/09.
 -POSITIVE DESIGN LOADS BASED ON, TESTED PRESSURE, WATER
 INFILTRATION TEST PRESSURE AND GLASS TABLES
 ASTM E-1300-04e01/09.
- 5. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEET 8 FOR ANCHOR DETAILS. WINDLOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
- 6. NOT APPROVED FOR IMPACT RESISTANCE. IMPACT PROTECTIVE SYSTEM IS REQUIRED IN WIND BORNE DEBRIS REGION.
- 7. ALL FRAMES FULLY WELDED. SMALL JOINT SEAM SEALANT USED AT INTERNAL MULL.
- 8. SERIES / MODEL DESIGNATION PW-8150 CONTINUOUS FRAME.
- 9. THE DESIGNATION X AND O STAND FOR THE FOLLOWING: O = FIXED SASH
- 10. SECTION CALLOUTS APPLY TO ALL ELEVATIONS IN A SIMILAR LOCATION.



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

8150 PVC PICTURE WINDOW NON-IMPACT

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8/05/2020

LUCAS A. TURNER, P.E. FL PE # 58201 2428 Old Natchez Trc Trl Camden, TN 38320 PH. 941-380-1574

SHEET DESCRIPTION:

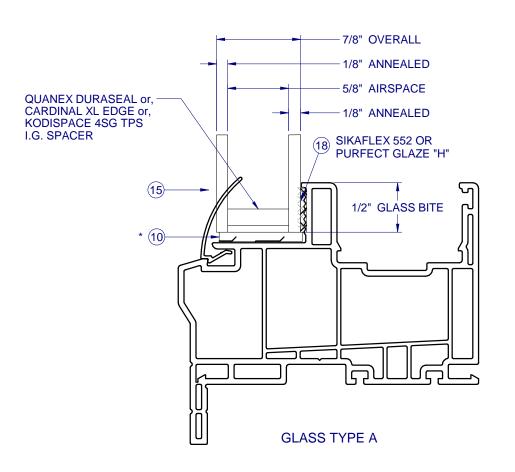
GENERAL NOTES AND ELEVATIONS

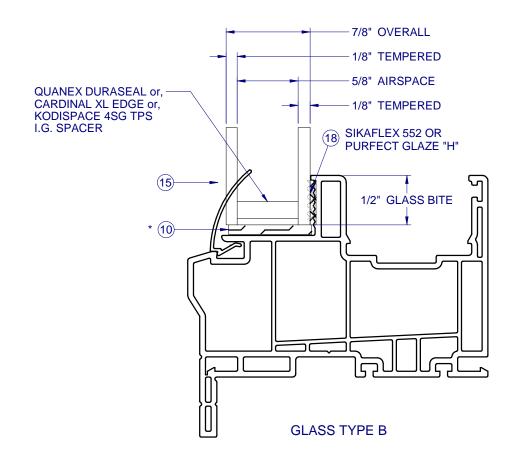
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ADE	08/18/09
DWG #:	REV.:
CWS-511	D
SCALE:	SHEET
1:25	1 OF 8

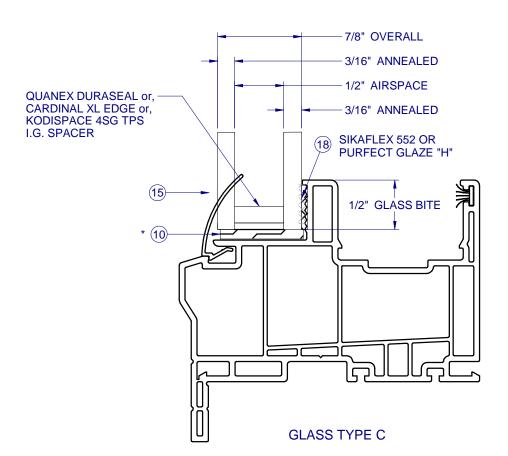
TABLE OF CONTENTS

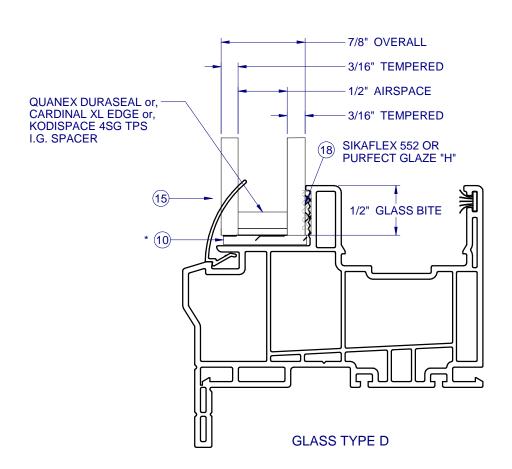
GENERAL NOTES & ELEVATIONS.	1
GLAZING DETAILS	2
COMPARATIVE ANALYSIS	3
SECTION VIEWS & ALT. FRAME	4
BOM & EXTRUSIONS	5
ANCHOR SCHEDULE & NOTES	6-7
INSTALLATION DETAILS	8

CONFIG.	MAX. UNIT SIZE	DESIGN PRESSURE RATING	IMPACT RATING
0/0	74-1/8" x 72"	SEE COMPARATIVE ANALYSIS	NONE
0/0/0	155" x 48"	CHARTS, SHEET 3	NONE









* SETTING BLOCKS PER FBC 2411.3.3.1



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SHEET DESCRIPTION:

GLAZING DETAILS

DRAWN BY:	DATE:
ADE	08/18/09
DWG #:	REV.:
CWS-511	D
SCALE:	SHEET
1:1	2 OF 8

	Design Pressures (PSF) for "O/O" Configuration with Glass Types A, B, C, or D													
UNIT	GLASS		UNIT HEIGHT (IN.)											
WIDTH	TYPE	27 1/2	29 1/2	31 1/2	35 1/2	39 1/2	41 1/2	43 1/2	47 1/2	51 1/2	53 1/2	55 1/2	59 1/2	72
48 3/8	Α	±101.3	±101.3	±101.3	±101.3	±101.3	±101.3	±95.7	±85.7	±76.5	±73	±70.5		
40 3/0	B, C, D	±101.3	±101.3	±101.3	±101.3	±101.3	±101.3	±101.3	±101.3	±101.3	±101.3	±101.3	±101.3	±92.3
56 3/8	Α	±101.3	±101.3	±101.3	±101.3	±101.3	±100.6	±93.6	±84.5	±74.8	±71.4	±68		
30 3/0	B, C, D	±101.3	±101.3	±101.3	±101.3	±101.3	±101.3	±101.3	±101.3	±101.3	±101.3	±101.3	±101.3	±82
60 3/8	Α	±101.3	±101.3	±101.3	±101.3	±101.3	±98.3	±92.6	±83.5	±74.8	±71.4	±68.3		
00 3/0	B, C, D	±101.3	±101.3	±101.3	±101.3	±101.3	±101.3	±101.3	±101.3	±101.3	±101.3	±101.3	±99.8	±77.9
64 3/8	Α	±91.4	±90.1	±89.5	±89.5	±89.5	±89.5	±89.5	±81.8	±74.2	±71.1	±68		
04 3/0	B, C, D	±91.4	±90.1	±89.5	±89.5	±89.5	±89.5	±89.5	±89.5	±89.5	±89.5	±89.5	±89.5	±74.3
74 1/8	Α	±72.3	±70.4	±69.1	±67.6	±67.5	±67.5	±67.5	±67.5	±67.5				
7 4 1/0	B, C, D	±72.3	±70.4	±69.1	±67.6	±67.5	±67.5	±67.5	±67.5	±67.5	±67.5	±67.5	±67.5	±67.5

	Design Pressures (PSF) for "O/O/O" Configuration with Glass Types C or D													
UNIT	GLASS		UNIT HEIGHT (IN.)											
WIDTH	TYPE	24	26	28	30	32	34	36	38	40	42	44	46	48
116 3/8	C or D	±60	±60	±60	±60	±60	±60	±60	±60	±57.7	±52.6	±48.3	±44.7	±41.5
128 3/8	C or D	±60	±60	±60	±60	±60	±60	±59.5	±58.8	±57.6	±52.2	±47.6	±43.8	±40.5
134 3/8	C or D	±60	±60	±60	±59.4	±57.7	±56.2	±55.1	±54.2	±53.6	±52.2	±47.6	±43.6	±40.2
140 3/8	C or D	±60	±60	±57.9	±55.7	±53.9	±52.4	±51.2	±50.3	±49.6	±49	±47.6	±43.6	±40
155	C or D	±55.8	±52.8	±50.4	±48.3	±46.5	±45.1	±43.8	±42.8	±41.9	±41.2	±40.7	±40.3	±40

NOTES:



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8150 PVC PICTURE WINDOW NON-IMPACT

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LUCAS A. TURNER, P.E. FL PE # 58201 2428 Old Natchez Trc Trl Camden, TN 38320 PH. 941-380-1574

SHEET DESCRIPTION:

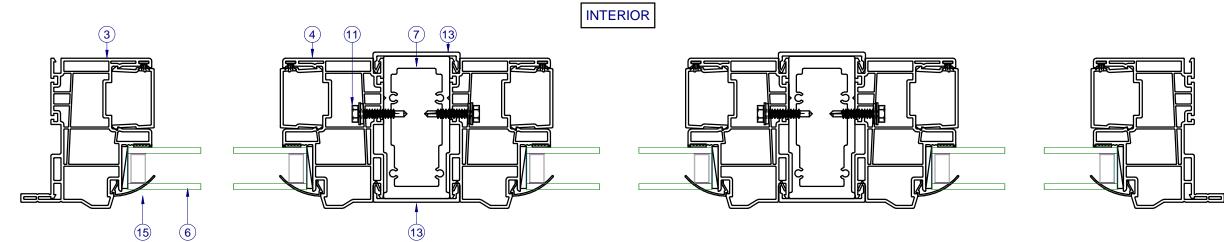
DD AMAI DV:

COMPARATIVE ANALYSIS

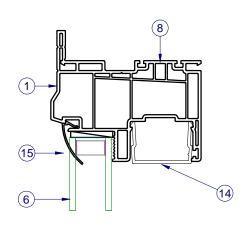
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ADE	08/18/09
DWG #:	REV.:
CWS-511	D
SCALE:	SHEET
1:1	3 OF 8

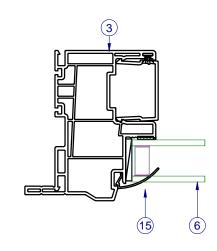
^{1.} IF SIZE INTENDED IS NOT SHOWN, USE NEXT LARGER SIZE.

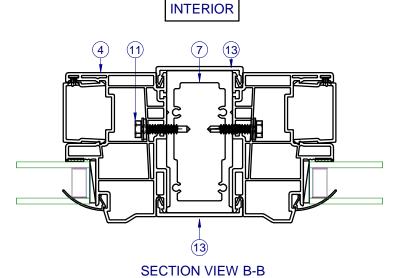
^{2.} SHADED SIZES ARE NOT ALLOWED FOR THAT GLASS TYPE.

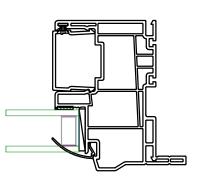




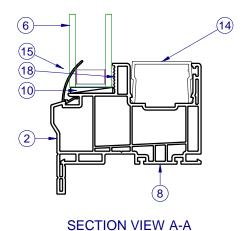


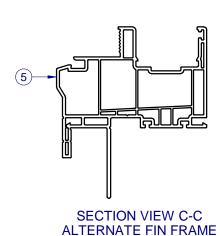


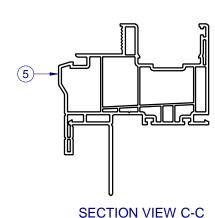




INTERIOR







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8150 PVC **PICTURE WINDOW NON-IMPACT**

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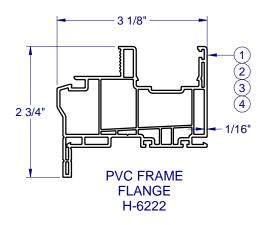
LUCAS A. TURNER, P.E. FL PE # 58201 2428 Old Natchez Trc Trl Camden, TN 38320 PH. 941-380-1574

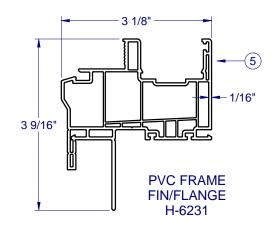
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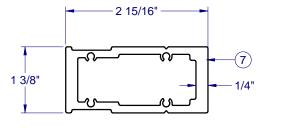
SECTION VIEWS

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ADE	08/18/09
DWG #:	REV.:
CWS-511	D
000-011	
SCALE: 1.2	SHEET

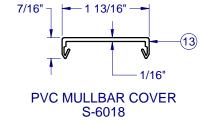
PARTS LIST					
ITEM	PART #	DESCRIPTION	MATERIAL		
1	H-6222	Frame Head, Flg,	PVC		
2	H-6222	Frame Sill, Flg,	PVC		
3	H-6222	Frame Jamb, Flg,	PVC		
4	H-6222	Internal Fr.,Jb.	PVC		
5	H-6231	Frame, Fin	PVC		
6	GLASS	SEE SHEET 2			
7	H-2127	Internal Mullbar	Alum		
9	P-3342	Seam Sealer, SM-5504			
10	P-5615	Set. Blk. 1/8" x 1" x 2"	Rubber		
11	P-3767	#10 x 1 Hex Head Tek	Steel		
12	P-4638	#8 x 2 1/4 Square Modified Truss	Steel		
13	S-6018	Mullbar Cover	PVC		
14	S-6025	Sash Stop / Filler	PVC		
15	S-6237	Glazing Bead	PVC		
16		#10 x 1 1/2" Panhead SMS	Steel		
17		Flat Washer	Steel		
18	_	SikaFlex 552 or Purfect Glaze "H"			

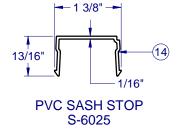




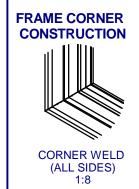


INTERNAL MULL BAR H-2127











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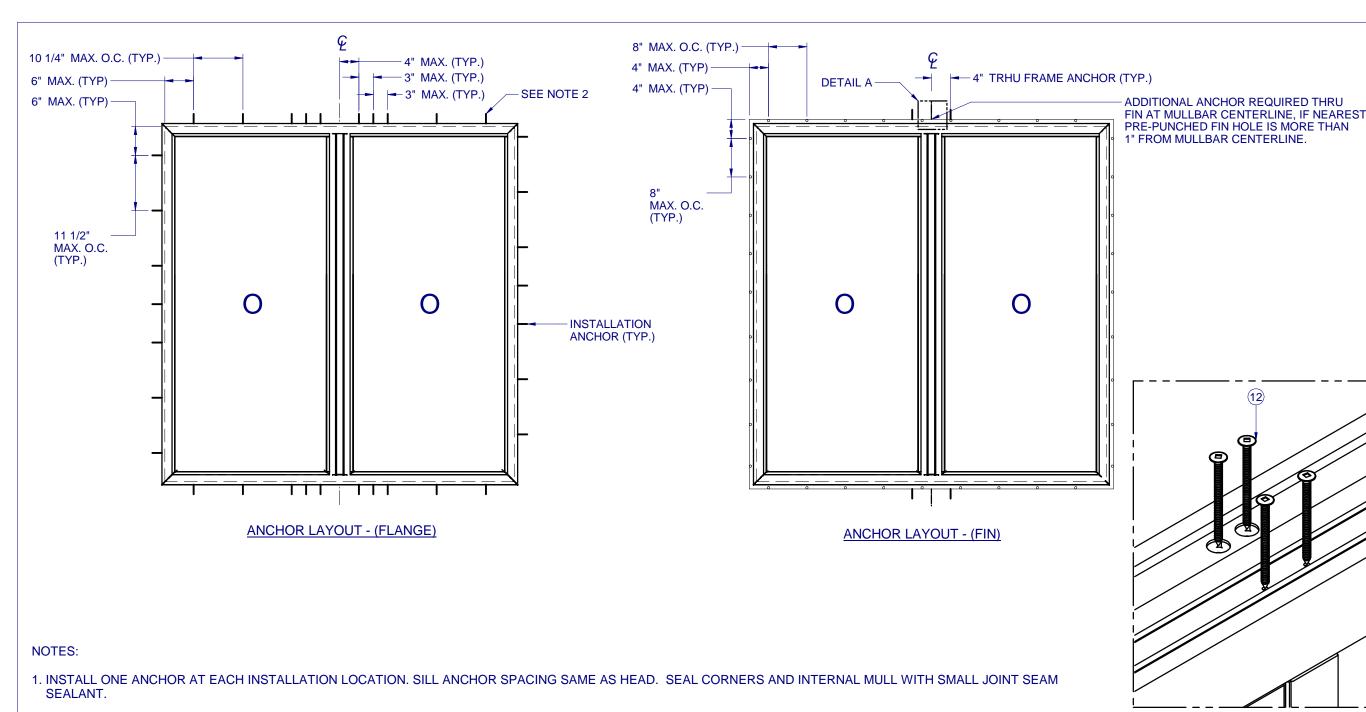
8/05/2020

LUCAS A. TURNER, P.E. FL PE # 58201 2428 Old Natchez Trc Trl Camden, TN 38320 PH. 941-380-1574

SHEET DESCRIPTION:

DP CHART, BOM AND EXTRUSIONS

DRAWN BY:	DATE:
ADE	08/18/09
DWG #:	REV.:
CWS-511	D
CWS-511 SCALE:	D SHEET

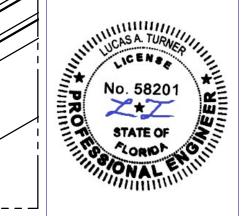


CUSTOMO WINDOW SYSTEMS

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DETAIL A

INTERNAL MULL ATTACHMENT

LUCAS A. TURNER, P.E. FL PE # 58201 2428 Old Natchez Trc Trl Camden, TN 38320 PH. 941-380-1574

SHEET DESCRIPTION:
ANCHOR SCHEDULE AND
NOTES

O/O

DRAWN BY: DATE:

ADE 08/18/09

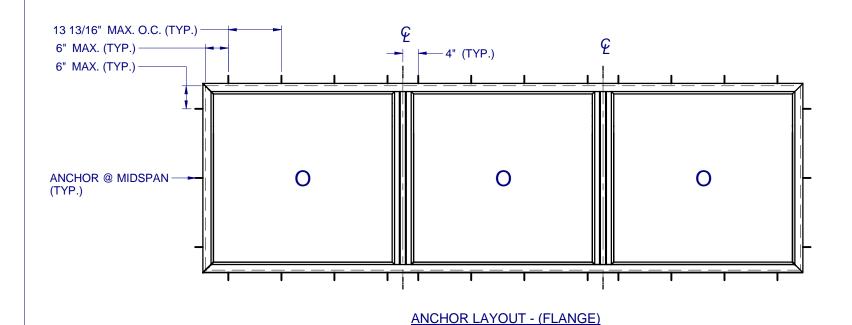
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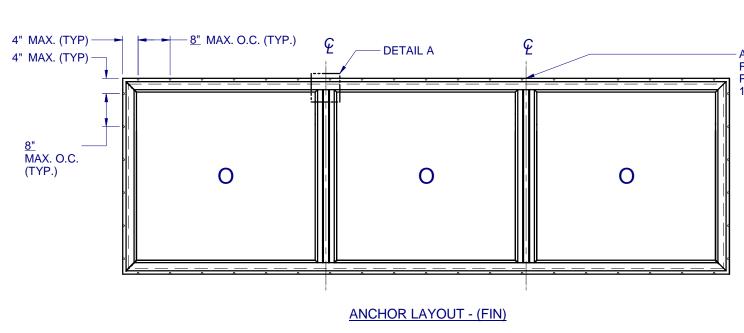
CWS-511 D

SCALE: SHEET

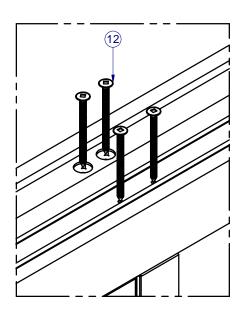
1:20 6 OF 8

- 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 8.
- 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 8.
- 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 8. 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)





- ADDITIONAL ANCHOR REQUIRED THRU FIN AT MULLBAR CENTERLINE, IF NEAREST PRE-PUNCHED FIN HOLE IS MORE THAN 1" FROM MULLBAR CENTERLINE.



DETAIL A
INTERNAL MULL ATTACHMENT



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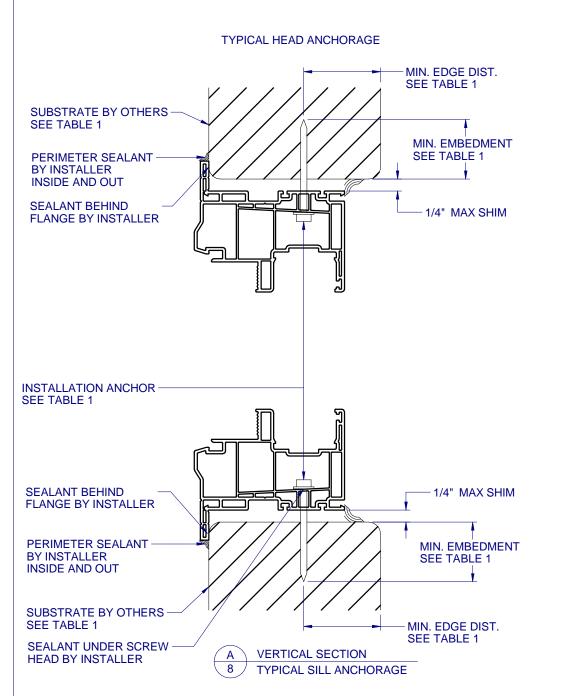
8/05/2020

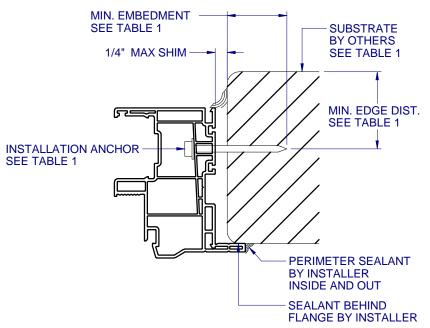
LUCAS A. TURNER, P.E. FL PE # 58201 2428 Old Natchez Trc Trl Camden, TN 38320 PH. 941-380-1574

SHEET DESCRIPTION:
ANCHOR SCHEDULE AND
NOTES

0/0	0/0
DRAWN BY:	DATE:
ADE	08/18/09
DWG #:	REV.:
CWS-511	ח

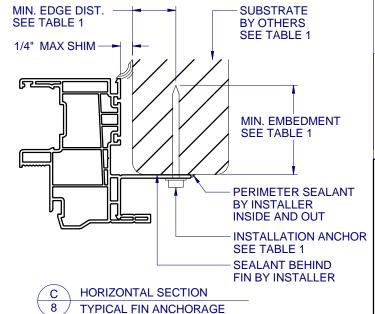
SCALE: SHEET 7 OF 8





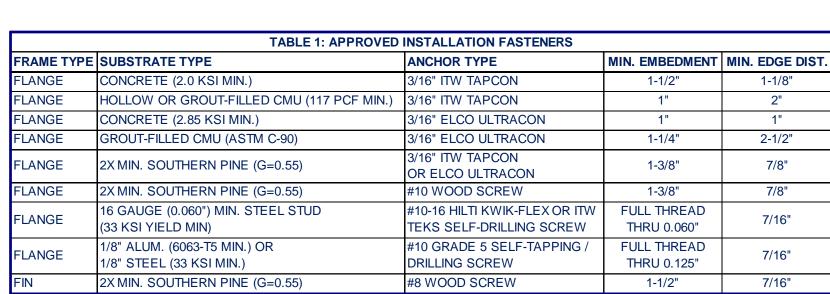
B HORIZONTAL SECTION

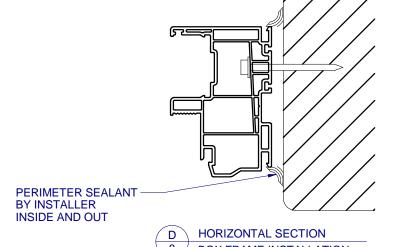
8 TYPICAL JAMB ANCHORAGE



NOTE: ADDITIONAL THRU-FRAME ANCHORS (AS SHOWN IN DET. A/8) REQ'D AT HEAD AND SILL AT MULLION FOR O/O UNITS, SEE SHEET 6 ANCHOR LAYOUT.

HEAD AND SILL SIMILAR FOR FIN INSTALLATION





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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SHEET DESCRIPTION:

INSTALLATION DETAILS

	DRAWN BY:	DATE:
):	ADE	08/18/09
	DWG #:	REV.:
	CWS-511	D
	SCALE:	SHEET
	1:2	8 OF 8