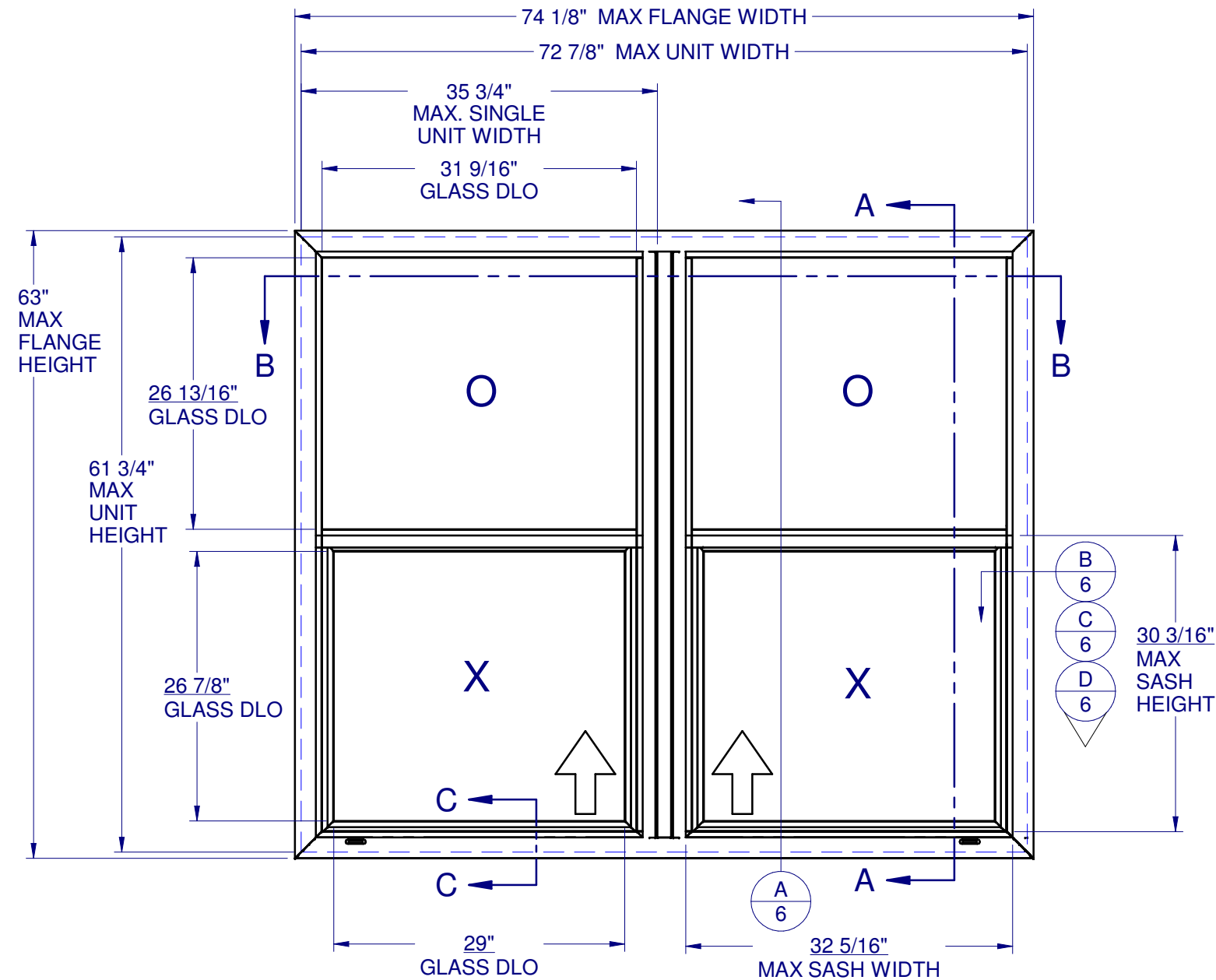


# SINGLE HUNG - NON-IMPACT



## GENERAL NOTES:

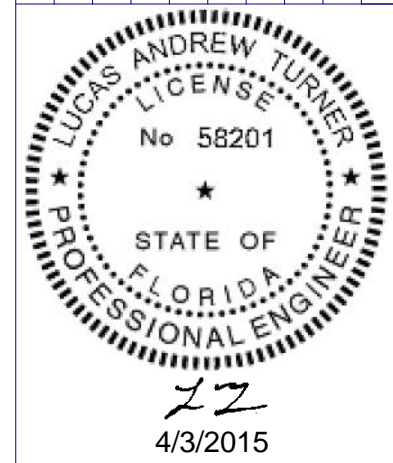
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE (FBC), CURRENT EDITION.
2. GLAZING OPTIONS: (SEE SHEET 2)
3. CONFIGURATIONS: "O/X" - "O/X".
4. DESIGN PRESSURE RATING (SEE SHEET 2):  
 -NEGATIVE DESIGN LOADS BASED ON, TESTED PRESSURE AND GLASS TABLES ASTM 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  $C_d=1.6$  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 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. EXTERNAL WEEP SLOT = 1/2" x 2-1/2" LOCATED 4" FROM BOTH ENDS.



1900 SW 44TH AVE.  
 OCALA, FLORIDA 34474  
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## 8100 PVC SINGLE HUNG NON-IMPACT

NO.:	DESCRIPTION:	BY:	DATE:
B	UPDATED PER 2014 FBC	EMK	03/18/15
A	UPDATED PER 2010 FBC	TEF	10/22/11



LUCAS A. TURNER, P.E.  
 FL PE # 58201  
 1239 JABARA AVE.  
 NORTH PORT, FL 34288  
 PH. 941-380-1574

SHEET DESCRIPTION:  
**GENERAL NOTES AND ELEVATIONS**

DRAWN BY: ADE	DATE: 01/27/09
DWG #: CWS-442	REV.: B
SCALE: 1:15	SHEET 1 OF 6

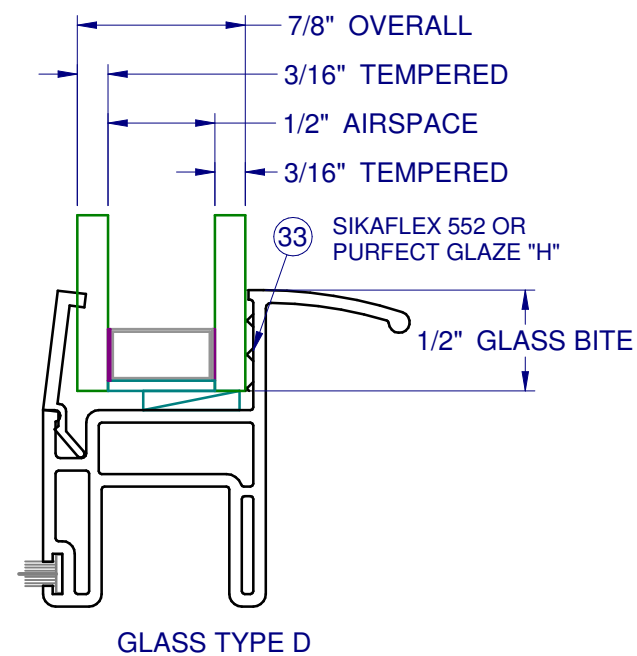
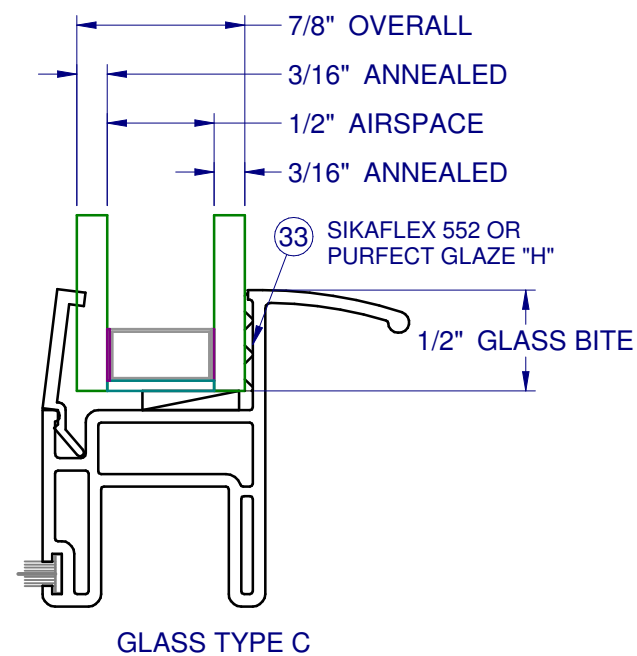
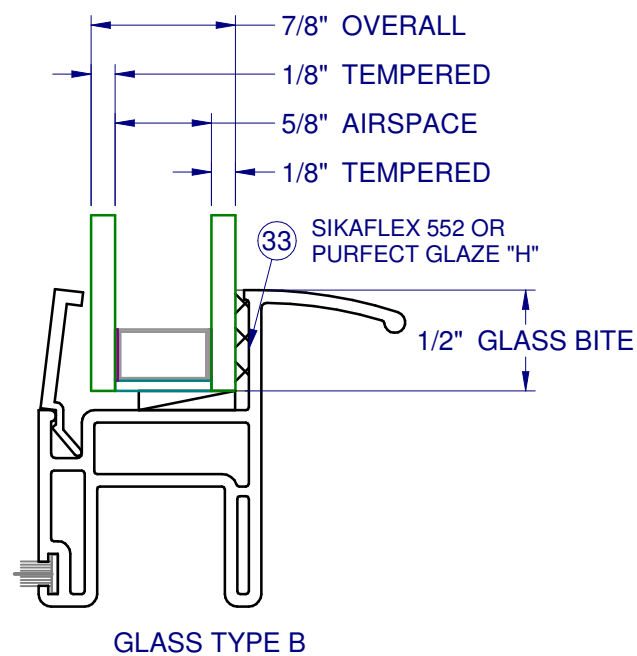
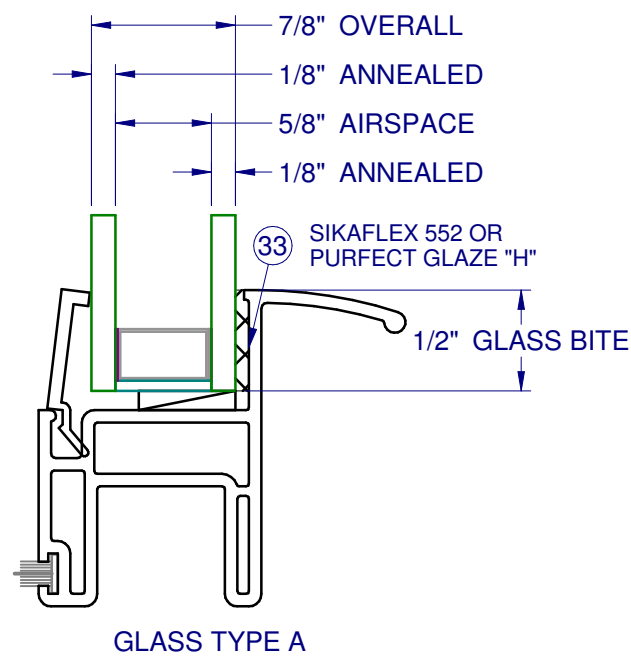
### TABLE OF CONTENTS

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MAX. UNIT SIZE	DESIGN PRESSURE RATING	IMPACT RATING
72-7/8" x 61-3/4"	SEE COMPARATIVE ANALYSIS CHART, SHEET 2	NONE

**DESIGN PRESSURES (PSF) WITH GLASS TYPES A, B, C, AND D**

Unit Width	Unit Height							
	29.500	31.500	37.500	43.500	49.500	55.500	59.500	61.750
35.000	+67.5 / -105	+67.5 / -105	+67.5 / -105	+67.5 / -105	+67.5 / -105	+67.5 / -102.6	+67.5 / -93	+67.5 / -88.3
40.000	+67.5 / -105	+67.5 / -105	+67.5 / -105	+67.5 / -105	+67.5 / -105	+67.5 / -95.5	+67.5 / -86	+67.5 / -81.4
45.000	+67.5 / -105	+67.5 / -105	+67.5 / -105	+67.5 / -105	+67.5 / -105	+67.5 / -90.8	+67.5 / -81.2	+67.5 / -76.6
50.000	+67.5 / -105	+67.5 / -105	+67.5 / -105	+67.5 / -105	+67.5 / -105	+67.5 / -88	+67.5 / -78	+67.5 / -73.3
55.000	+67.5 / -105	+67.5 / -105	+67.5 / -105	+67.5 / -105	+67.5 / -105	+67.5 / -86.8	+67.5 / -76.1	+67.5 / -71.2
60.000	+67.5 / -105	+67.5 / -105	+67.5 / -105	+67.5 / -105	+67.5 / -104.7	+67.5 / -86.7	+67.5 / -75.4	+67.5 / -70.2
65.000	+67.5 / -105	+67.5 / -105	+67.5 / -104.4	+67.5 / -96.4	+67.5 / -91.3	+67.5 / -86.7	+67.5 / -75.4	+67.5 / -70
70.000	+67.5 / -105	+67.5 / -105	+67.5 / -93.9	+67.5 / -86.1	+67.5 / -80.9	+67.5 / -77.4	+67.5 / -75.4	+67.5 / -70
72.875	+67.5 / -104.9	+67.5 / -100	+67.5 / -88.8	+67.5 / -81.1	+67.5 / -75.9	+67.5 / -72.3	+67.5 / -70.7	+67.5 / -70



NOTE: IF SIZE INTENDED IS NOT SHOWN, USE NEXT LARGER SIZE.

**Custom WINDOW SYSTEMS**  
 1900 SW 44TH AVE.  
 OCALA, FLORIDA 34474  
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**8100 PVC  
 SINGLE HUNG  
 NON-IMPACT**

NO.	DESCRIPTION:	BY:	DATE:
B	UPDATED PER 2014 FBC	EMK	03/18/15
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27  
 4/3/2015

LUCAS A. TURNER, P.E.  
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SHEET DESCRIPTION:

**GLAZING DETAIL**

DRAWN BY: <b>ADE</b>	DATE: <b>01/27/09</b>
DWG #: <b>CWS-442</b>	REV.: <b>B</b>
SCALE: <b>1:1</b>	SHEET <b>2 OF 6</b>

**8100 PVC  
SINGLE HUNG  
NON-IMPACT**

NO.:	DESCRIPTION:	BY:	DATE:
B	UPDATED PER 2014 FBC	EMK	03/18/15
A	UPDATED PER 2010 FBC	TEF	10/22/11
			REVISIONS

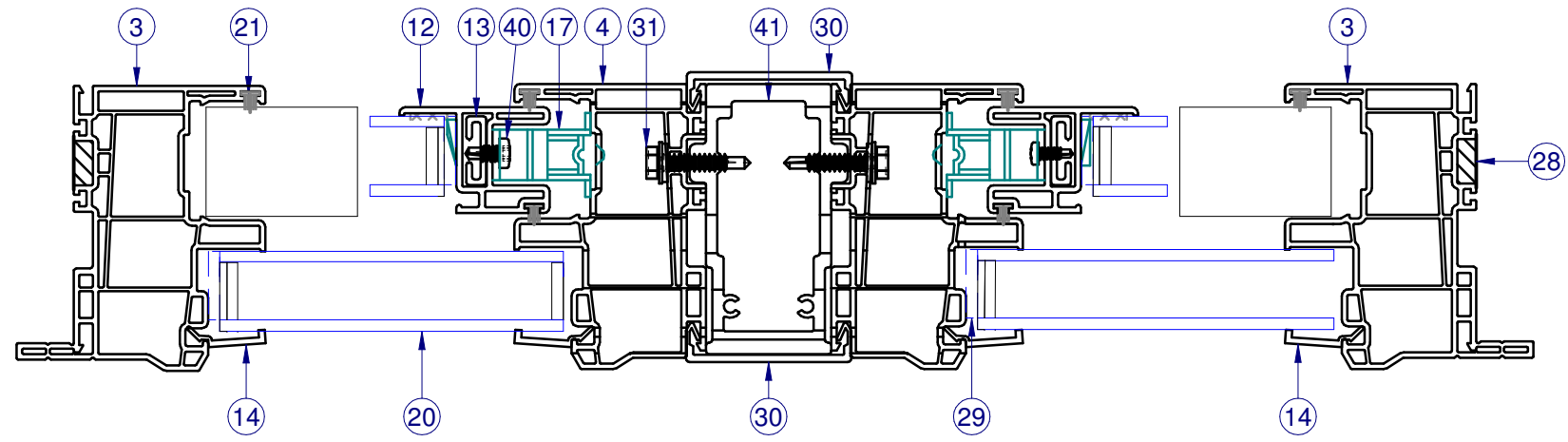


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SHEET DESCRIPTION:  
**SECTION VIEWS**

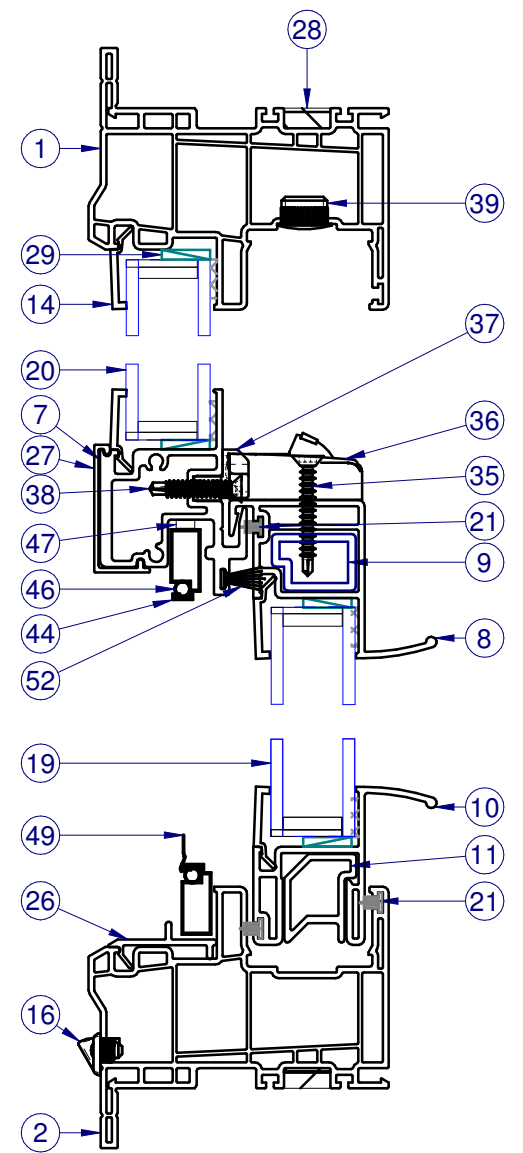
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DWG #: <b>CWS-442</b>	REV.: <b>B</b>
SCALE: <b>1:2</b>	<b>SHEET 3 OF 6</b>

INTERIOR

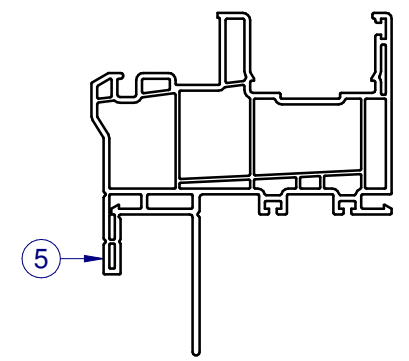


SECTION B-B

INTERIOR



SECTION A-A



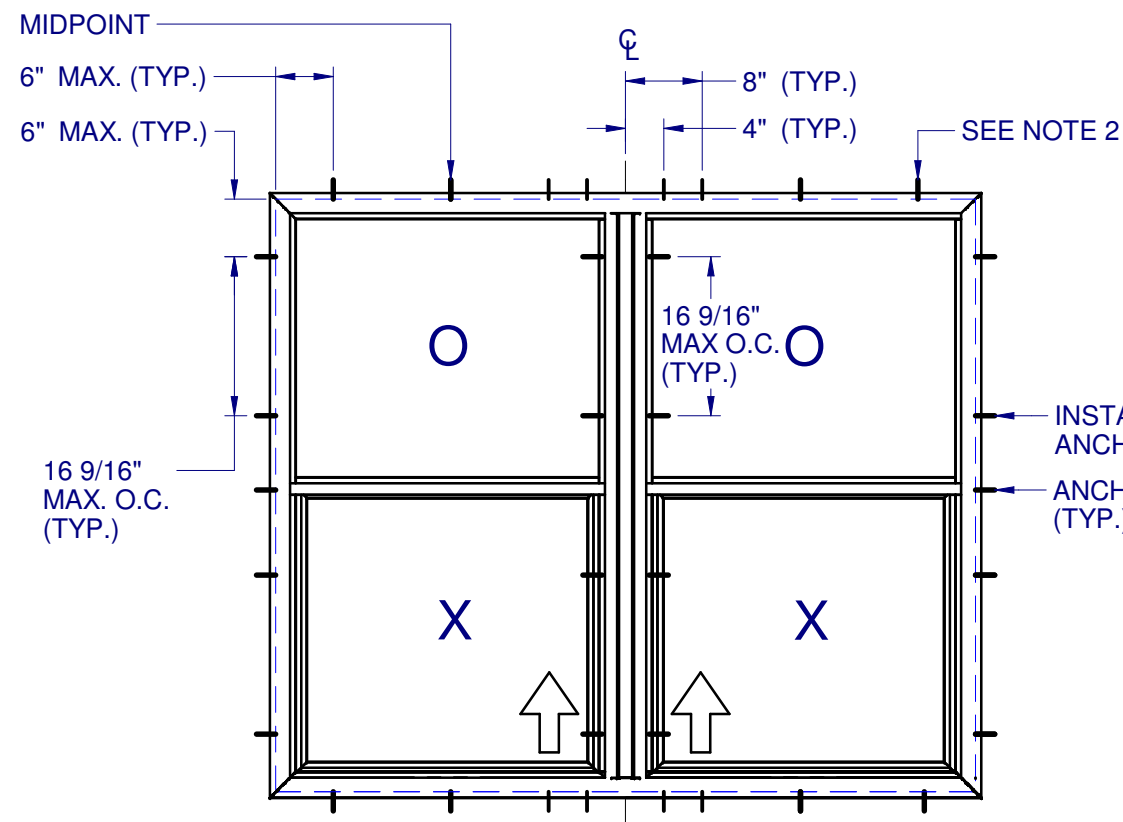
SECTION C-C  
ALTERNATE FIN FRAME

NOTE: ITEMS NOT SHOWN FOR CLARITY:  
6, 18, 32

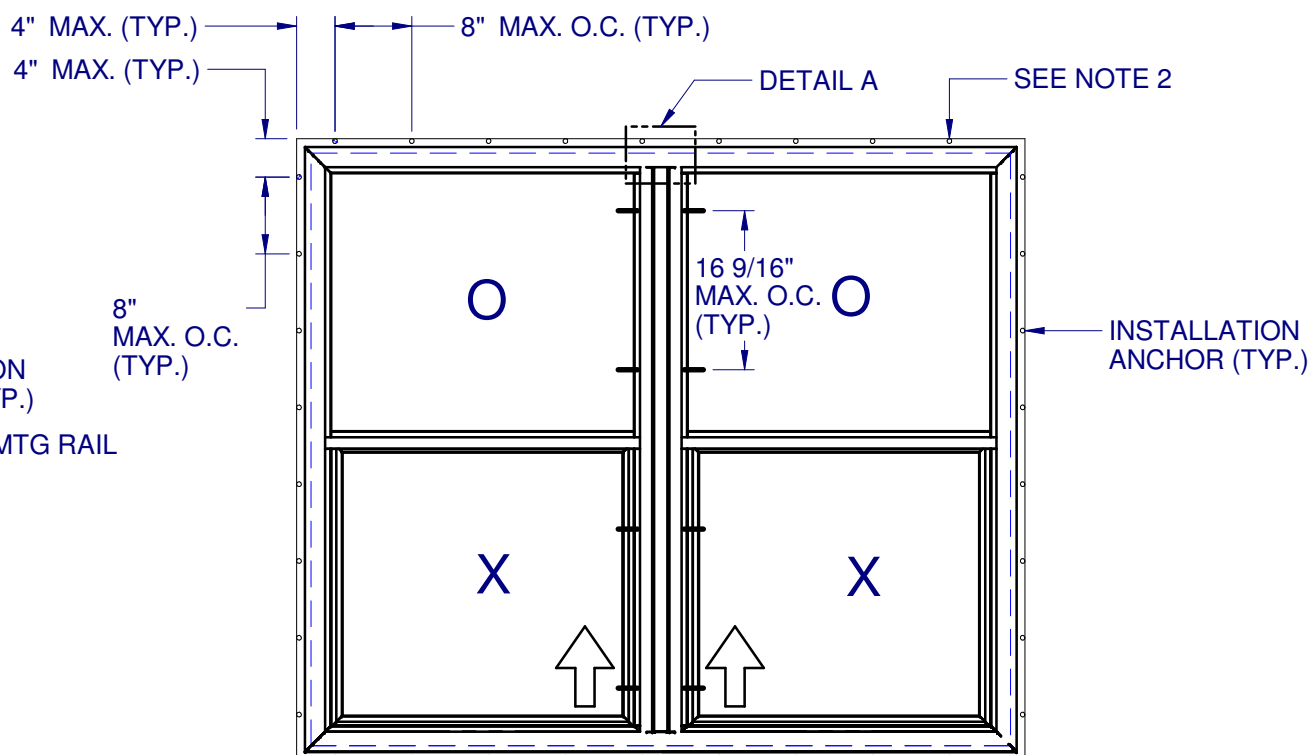




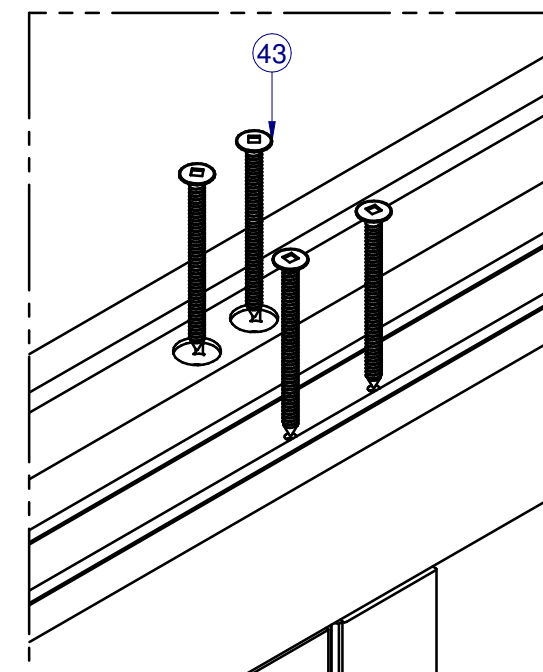
**8100 PVC  
SINGLE HUNG  
NON-IMPACT**



ANCHOR LAYOUT - (FLANGE)



ANCHOR LAYOUT - (FIN)

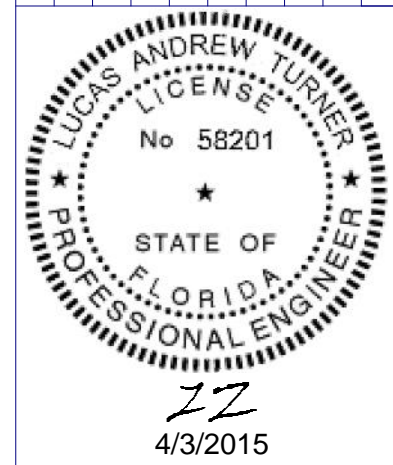


DETAIL A  
INTERNAL MULL ATTACHMENT

NOTES:

1. INSTALL ONE ANCHOR AT EACH INSTALLATION LOCATION. SILL ANCHOR SPACING SAME AS HEAD. SEAL CORNERS AND INTERNAL MULL WITH SMALL JOINT SEAM SEALANT.
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 - 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 TABLE 1, 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)

REVISIONS		NO.:	DESCRIPTION:	BY:	DATE:
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SHEET DESCRIPTION:  
**ANCHOR SCHEDULE AND NOTES**

DRAWN BY: <b>ADE</b>	DATE: <b>01/27/09</b>
DWG #: <b>CWS-442</b>	REV.: <b>B</b>
SCALE: <b>1:20</b>	<b>SHEET 5 OF 6</b>

