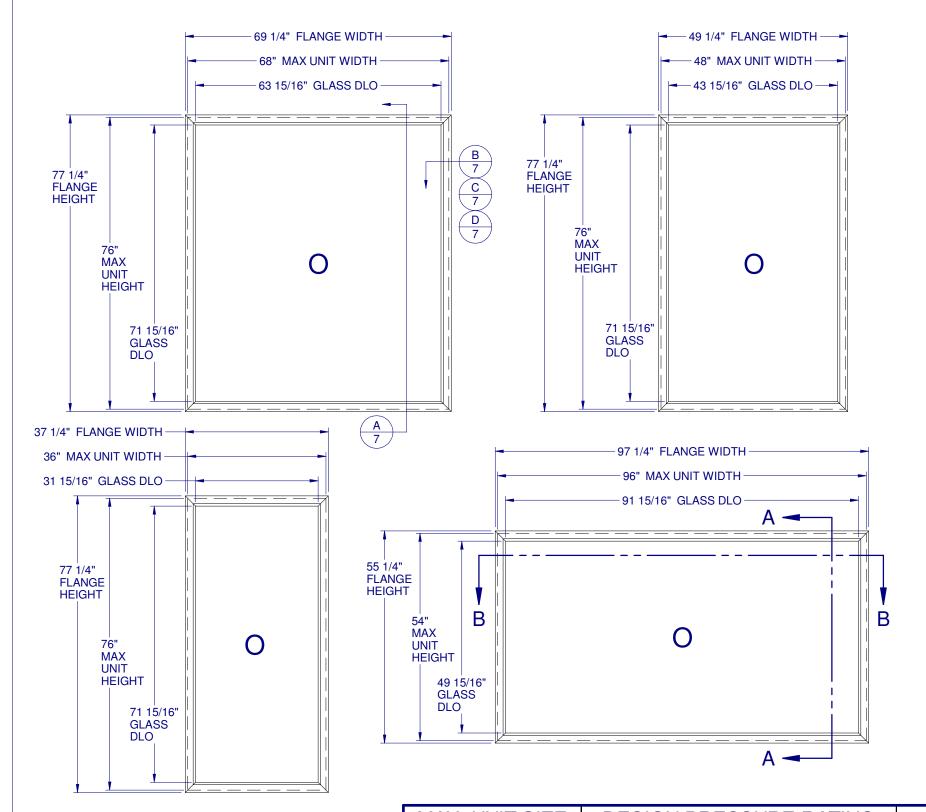
PICTURE WINDOW - LARGE MISSILE IMPACT



96" x 54"

TABLE OF CONTENTS

ARCHITECTURAL SHAPES.

SECTION VIEWS & ALT. FRAME.

ANCHOR SCHEDULE & NOTES.

GLAZING DETAILS.

BOM & EXTRUSIONS...

INSTALLATION DETAILS.

GENERAL NOTES & ELEVATIONS.....

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE (FBC), CURRENT EDITION AND IS RATED FOR MISSILE LEVEL D IMPACT USE IN WIND ZONE 3 AREAS AS DEFINED IN ASTM E 1996 PER THE FBC.

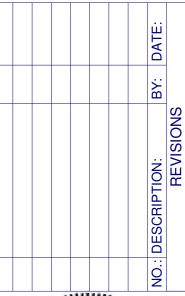
THIS PRODUCT MAY NOT BE USED IN THE HIGH VELOCITY HURRICANE ZONE (HVHZ) OR IN ASTM E 1996 WIND ZONE 4 AREAS.

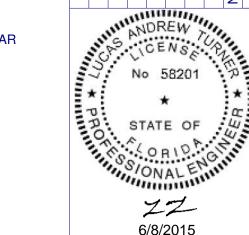
- 2. GLAZING OPTIONS: (SEE SHEET 3)
- 3. CONFIGURATIONS: "O". ARCHITECTURAL SHAPES INCLUDE, BUT ARE NOT LIMITED TO, THOSE SHOWN ON SHEET 2.
- 4. DESIGN PRESSURE RATING:
 - -NEGATIVE DESIGN LOADS BASED ON, TESTED PRESSURE AND GLASS TABLES ASTM E-1300-04.
 - -POSITIVE DESIGN LOADS BASED ON, TESTED PRESSURE, 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 7 FOR ANCHOR DETAILS. WINDLOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
- 6. PRODUCT APPROVED FOR IMPACT RESISTANCE. SHUTTERS ARE NOT REQUIRED.
- 7. ALL FRAMES FULLY WELDED.
- 8. SERIES / MODEL DESIGNATION PW-6150.
- 9. THE DESIGNATION X AND O STAND FOR THE FOLLOWING: O = FIXED SASH
- 10. SECTION CALLOUTS APPLY TO ALL ELEVATIONS IN A SIMILAR LOCATION.



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6150 PVC PICTURE WINDOW IMPACT





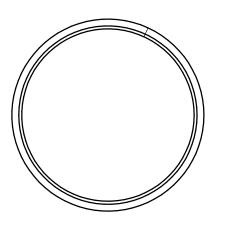
LUCAS A. TURNER, P.E. FL PE # 58201 1239 JABARA AVE. NORTH PORT, FL 34288 PH. 941-380-1574

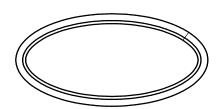
SHEET DESCRIPTION:

GENERAL NOTES AND ELEVATIONS

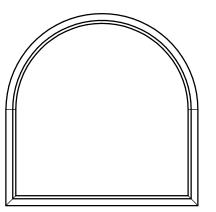
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EMK	05/26/15
DWG #:	REV.:
CWS-1073	-
SCALE:	SHEET
1:25	1 OF 7

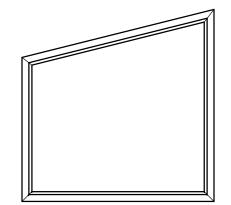
MAX. UNIT SIZE DESIGN PRESSURE RATING IMPACT RATING 36" x 76" 48" x 76" +/- 50 PSF LARGE MISSILE IMPACT





FULL ELLIPSE (OVAL)

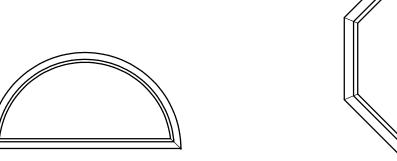


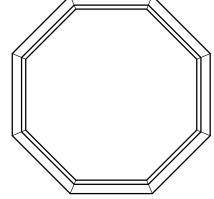


TOMBSTONE

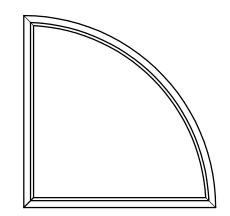
TRAPEZOID





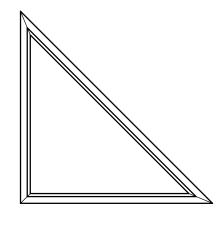


OCTAGON



1/4 CIRCLE

1/2 CIRCLE



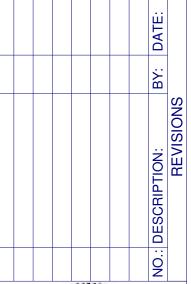
TRIANGLE

NOTES:

- 1. SEE SHEET 6 FOR DETAILED ANCHOR INSTALLATION REQUIREMENTS.
- 2. THRU FRAME MASONRY, WOOD OR METAL OPENING. THRU FIN WOOD OPENING.
- 3. OVERALL SIZE MUST NOT EXCEED THE MAX. WIDTH AND HEIGHT OF RECTANGULAR WINDOWS ON SHEET 1.
- 4. ANCHOR SPACING FOR ARCHITECTUAL FLANGE AND FIN WINDOWS MUST FOLLOW THE LAYOUTS SHOWN ON SHEET 6, WITH ANCHOR SPACING MEASURED ALONG THE LENGTH OF THE PRODUCT.



6150 PVC PICTURE WINDOW IMPACT





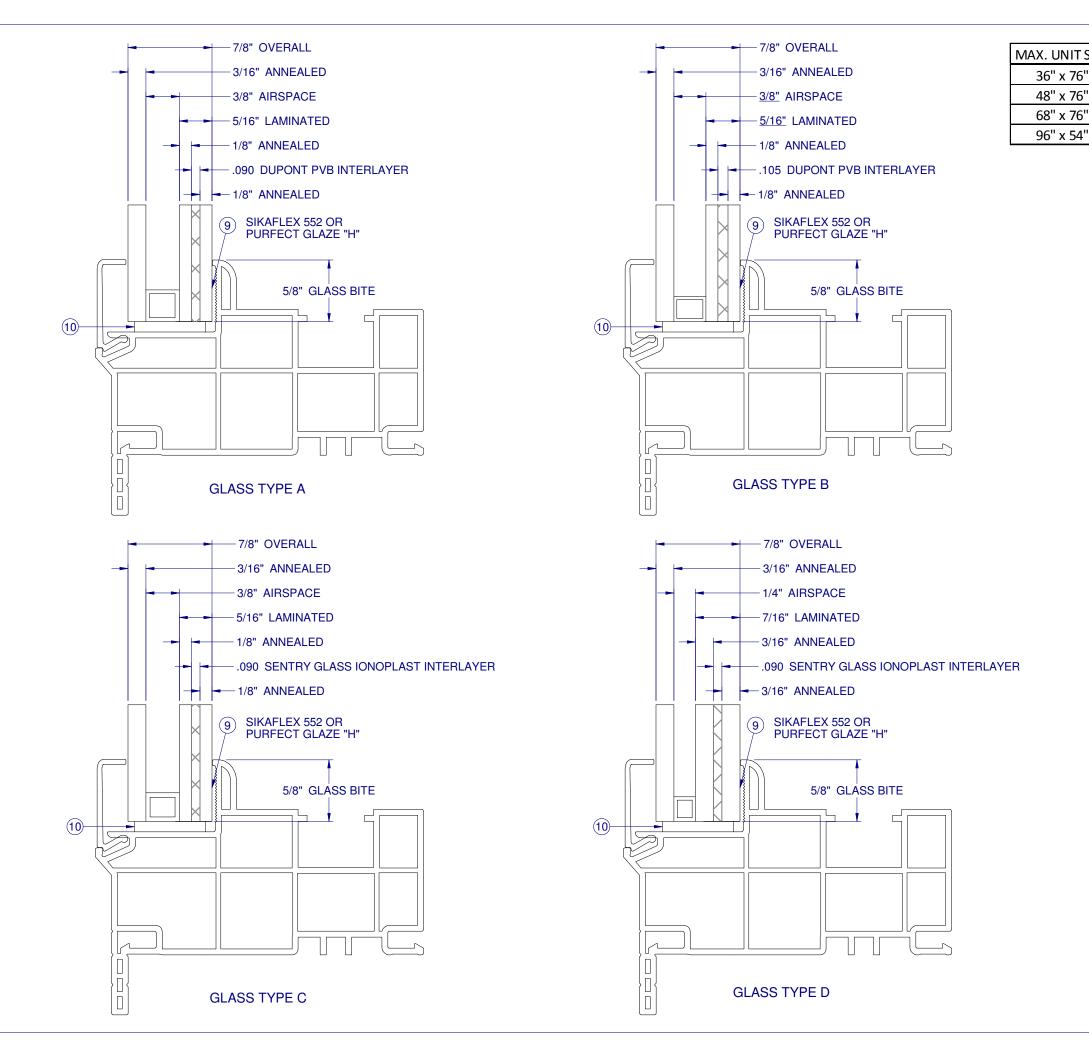
6/8/2015

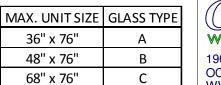
LUCAS A. TURNER, P.E. FL PE # 58201 1239 JABARA AVE. NORTH PORT, FL 34288 PH. 941-380-1574

SHEET DESCRIPTION:

ARCHITECTURAL SHAPES

DRAWN BY:	DATE:
EMK	05/26/15
DWG #:	REV.:
CWS-1073	-
SCALE:	SHEET
1:1	2 OF 7

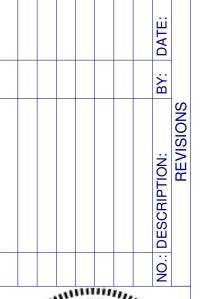


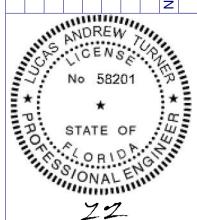


D



6150 PVC PICTURE WINDOW IMPACT





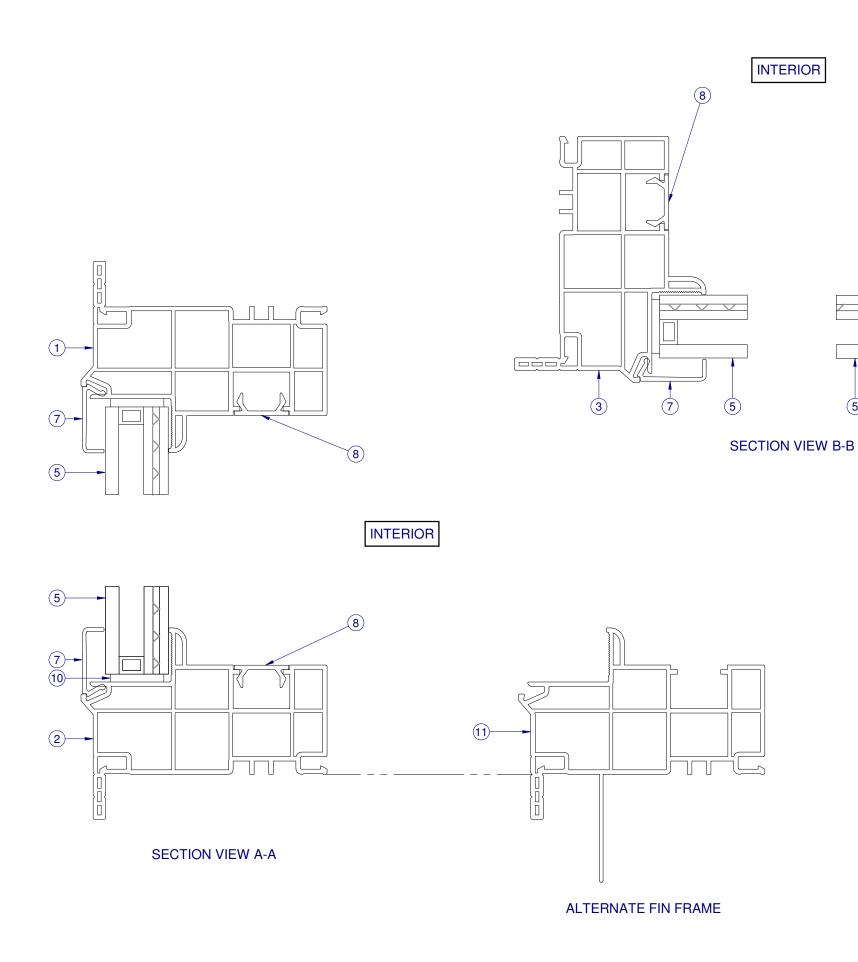
6/8/2015 LUCAS A. TURNER, P.E. FL PE # 58201

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

SHEET DESCRIPTION:

GLAZING DETAILS

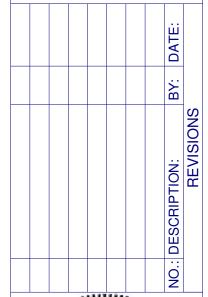
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EMK	05/26/15
DWG #:	REV.:
CWS-1073	-
SCALE:	SHEET
1:1	3 OF 7





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

6150 PVC **PICTURE WINDOW IMPACT**

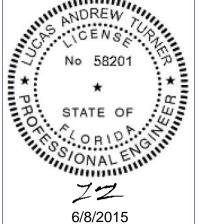


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4

(5)

(7)



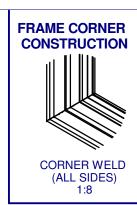
LUCAS A. TURNER, P.E. FL PE # 58201 1239 JABARA AVE. NORTH PORT, FL 34288 PH. 941-380-1574

SHEET DESCRIPTION:

SECTION VIEWS

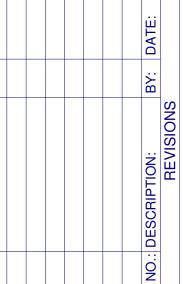
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CWS-1073	-
SCALE:	SHEET
1:1.33	4 OF 7

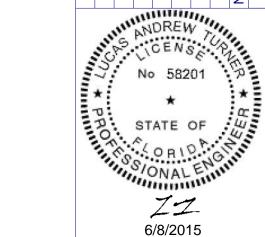
ITEM	PART#	DESCRIPTION	VENDOR	MATERIAL
1	H-6128FLG	MAIN FRAME, FLANGE, HEAD	ATN	PVC
2	H-6128FLG	MAIN FRAME, FLANGE, SILL	ATN	PVC
3	H-6128FLG	MAIN FRAME, FLANGE, L. JAMB	ATN	PVC
4	H-6128FLG	MAIN FRAME, FLANGE, R. JAMB	ATN	PVC
5	GLASS	SEE SHEET 3		
7	S-6141	GLAZING BEAD	ATN	PVC
8	S-6144	FRAME FILLER	ATN	PVC
9		PURFECT GLAZE "H", SIKAFLEX 552 HENKEL / SIKA		
10	P-3352	SET. BLK., 85 DUR., 1/8" x 5/8" x 2" Lg.		
11	H-6128FIN	MAIN FRAME, FIN, PVC	ATN	PVC





6150 PVC PICTURE WINDOW IMPACT



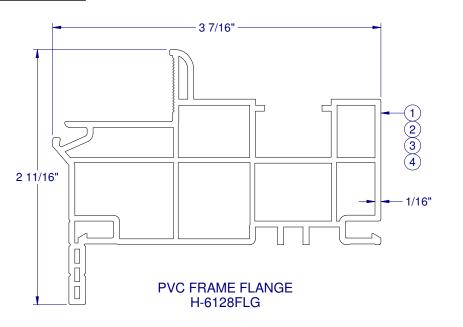


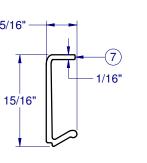
LUCAS A. TURNER, P.E. FL PE # 58201 1239 JABARA AVE. NORTH PORT, FL 34288 PH. 941-380-1574

SHEET DESCRIPTION:

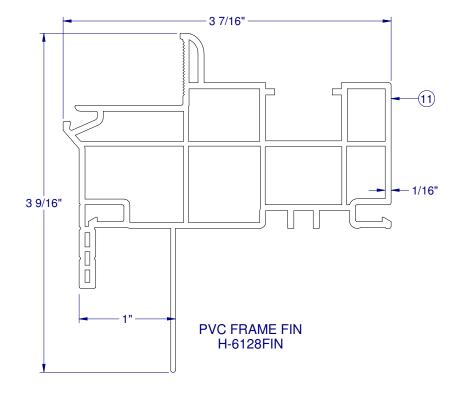
BOM AND EXTRUSIONS

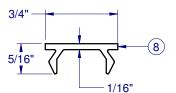
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EMK	05/26/15
DWG #:	REV.:
CWS-1073	-
SCALE:	SHEET
1:1	5 OF 7



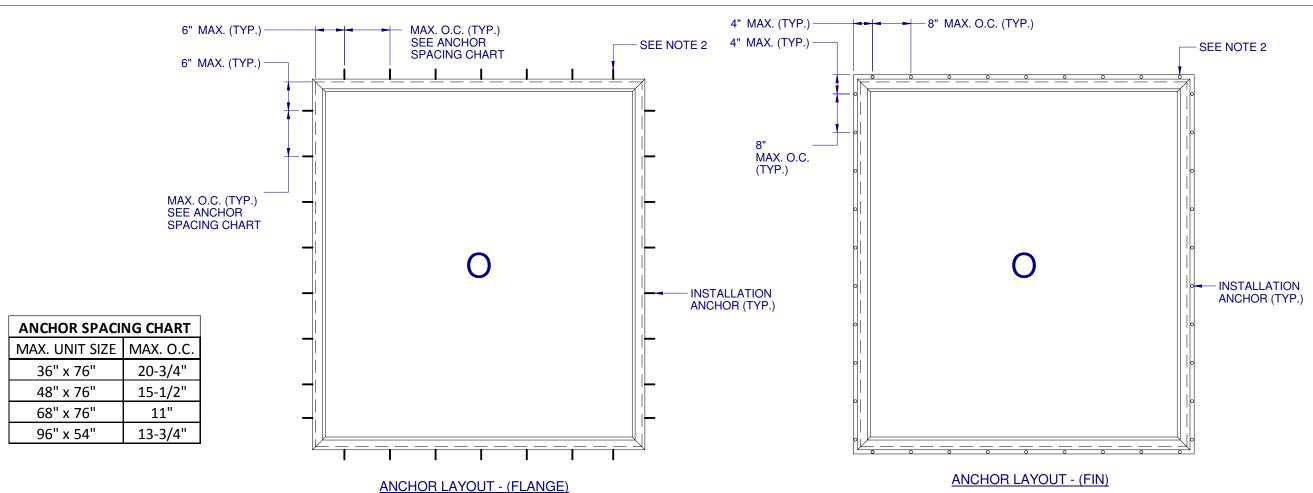


PVC GLAZING BEAD S-6141





PVC TRIM S-6144



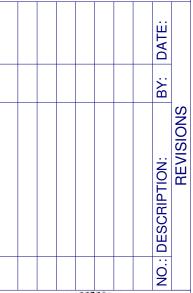
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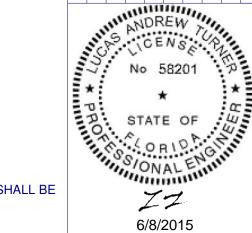
- 1. INSTALL ONE ANCHOR AT EACH INSTALLATION LOCATION. ANCHOR SPACING APPLIES TO ALL SHAPES (SEE SHEET 2) ALONG ALL FRAME EDGES. SILL ANCHOR SPACING SAME AS HEAD.
- 2. SHIM AS REQ AT EACH INSTALLATION ANCHOR USING LOAD BEARING SHIMS. MAX. ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE SPACE GREATER 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. INSTALLATIONS INTO SOLID CONCRETE OR GROUT-FILLED CMU MAY INCLUDE BUT DO NOT REQUIRE 1X WOOD BUCKS BETWEEN THE PRODUCT AND SUBSTRATE. INSTALLATIONS INTO HOLLOW CMU REQUIRE THE USE OF 1X WOOD BUCKS BETWEEN THE PRODUCT AND SUBSTRATE.
- 7. A MINIMUM CENTER-TO-CENTER SPACING SHALL BE MAINTAINED BETWEEN ALL FASTENERS: 3-9/16" 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)



WWW.CWS.CC

6150 PVC PICTURE WINDOW IMPACT



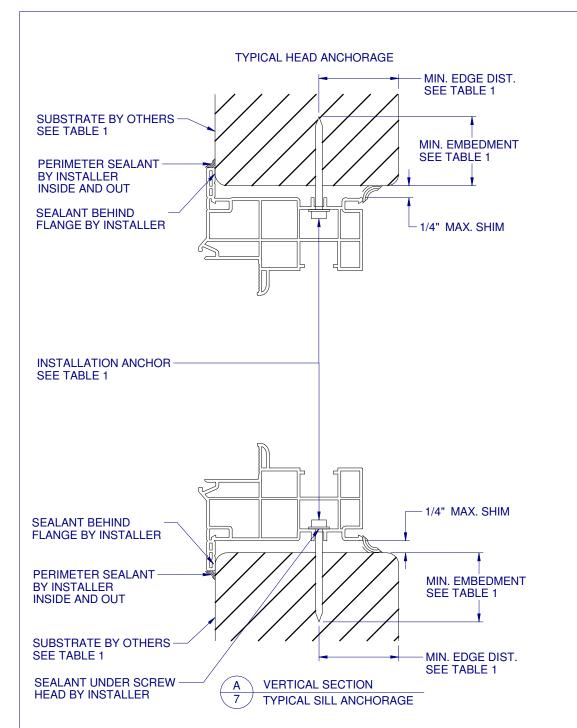


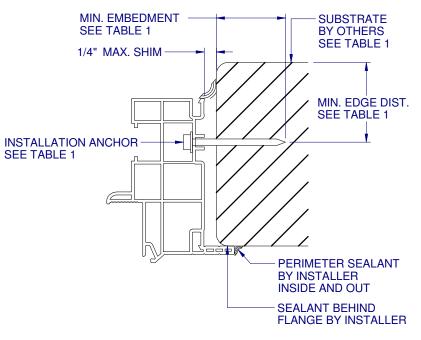
LUCAS A. TURNER, P.E. FL PE # 58201 1239 JABARA AVE. NORTH PORT, FL 34288 PH. 941-380-1574

SHEET DESCRIPTION:

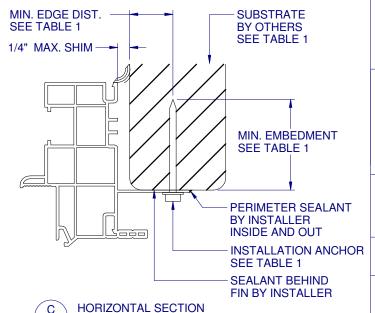
ANCHOR SCHEDULE AND NOTES

DRAWN BY:	DATE:
EMK	05/26/15
DWG #:	REV.:
CWS-1073	-
SCALE:	SHEET
1:20	6 OF 7





B HORIZONTAL SECTION
TYPICAL JAMB ANCHORAGE



HEAD AND SILL SIMILAR FOR FIN INSTALLATION

TYPICAL FIN ANCHORAGE

PERIMETER SEALANT BY INSTALLER INSIDE AND OUT

D HORIZONTAL SECTION

7 BOX FRAME INSTALLATION
HEAD AND SILL SIMILAR FOR BOX INSTALLATION

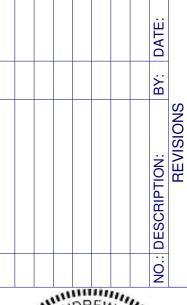
FLANGE REMOVAL NOTE: PARTIALLY OR FULLY REMOVING THE FLANGE, UP TO AND INCLUDING A BOX-FRAME APPLICATION IS ACCEPTABLE PROVIDED:

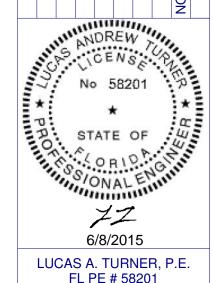
- MIN. 1/4" FILLET OF CONSTRUCTION-GRADE ADHESIVE CAULK IS APPLIED INSIDE AND OUT, FULL PERIMETER, BY INSTALLER.
- PRODUCT ANCHORAGE IS IN ACCORDANCE WITH REQUIREMENTS AS SHOWN FOR FLANGE WINDOWS.



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

6150 PVC PICTURE WINDOW IMPACT





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SHEET DESCRIPTION:

INSTALLATION DETAILS

DRAWN BY:	DATE:
EMK	05/26/15
DWG #:	REV.:
CWS-1073	-
SCALE:	SHEET
1:2	7 OF 7

