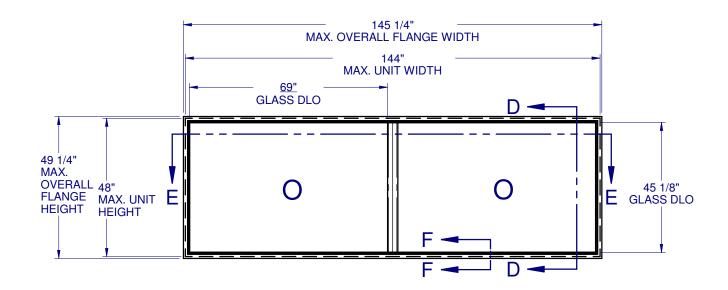
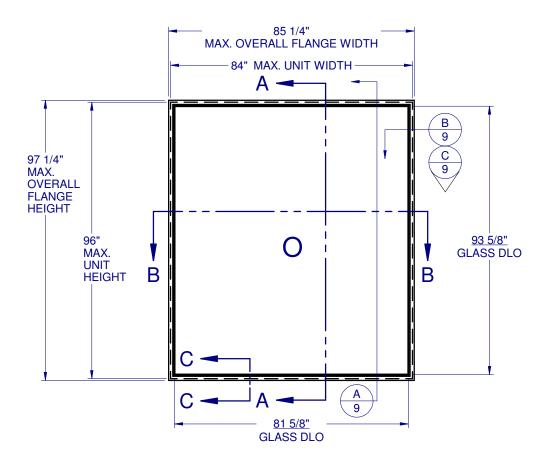
PICTURE WINDOW - NON-IMPACT





GENERAL NOTES:

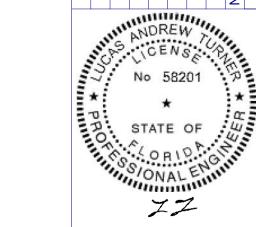
- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE (FBC), CURRENT EDITION.
- 2. GLAZING OPTIONS: (SEE SHEET 2)
- 3. CONFIGURATIONS: "O", "O/O".
- 4. DESIGN PRESSURE RATING: (SEE SHEET 3)
 -NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES
 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 9 FOR INSTALLATION DETAILS.
- 6. NOT APPROVED FOR IMPACT RESISTANCE. IMPACT PROTECTIVE SYSTEM IS REQUIRED IN WIND BORNE DEBRIS REGION.
- 7. ALL RECTANGULAR FRAMES SCREWED TOGETHER. JOINTS WITH ANGLES GREATER THAN 105 DEGREES OR LESS THAN 75 DEGREES ARE WELDED TOGETHER. SMALL JOINT SEAM SEALANT USED AT ALL JOINTS.
- 8. SERIES / MODEL DESIGNATION PW-4000.
- 9. THE DESIGNATION X AND O STAND FOR THE FOLLOWING: O = FIXED SASH.
- 10. SECTION CALLOUTS FROM ELEVATIONS APPLY TO ALL ELEVATIONS IN A SIMILAR LOCATION.

CUSTOMO* WINDOW SYSTEMS [

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

4000 ALUM. PICTURE WINDOW NON-IMPACT

	6.000	Ω	O	В	⋖	NO.:	
		UPDATED PER 2014 FBC	UPDATED PER 2010 FBC	UPDATED PER FBC REQ.	CORRECTED LAYOUTS	NO.: DESCRIPTION:	REVISIONS
		EMK	ADE	ADE	ADE	BY:	
		EMK 03/09/15	ADE 03/09/10	ADE 07/10/09	ADE 06/10/08	DATE:	



4/3/2015

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

SHEET DESCRIPTION:

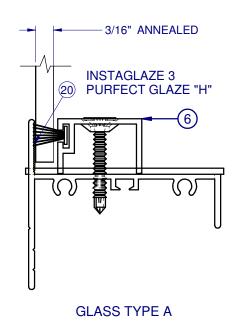
GENERAL NOTES AND ELEVATIONS

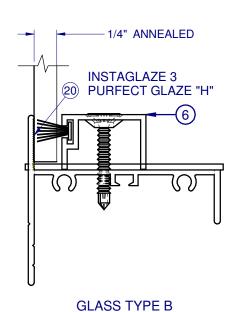
DRAWN BY:	DATE:
ADE	02/07/08
DWG #:	REV.:
CWS-169	D
SCALE:	SHEET
1:33.33	1 OF 9

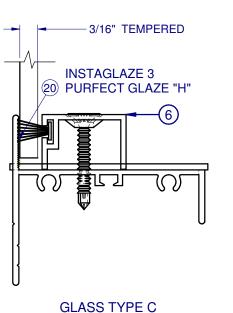
TABLE OF CONTENTS

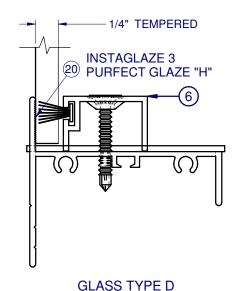
GENERAL NOTES & ELEVATIONS	
GLAZING DETAIL	2
COMPARATIVE ANALYSIS (DP)	3
SECTION VIEWS & ALT. FRAME	
EXTRUSIONS & B.O.M	6
ANCHOR SCHEDULE & NOTES	7-8
INSTALLATION DETAILS	Ç

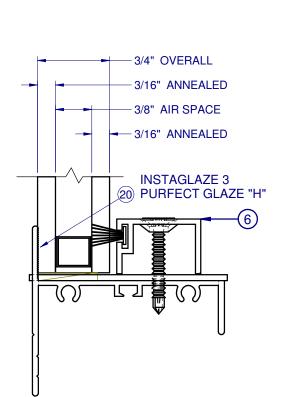
CONFIG.	MAX. UNIT SIZE	DESIGN PRESSURE RATING	IMPACT RATING
0	84" x 96"	SEE COMPARATIVE ANALYSIS	NONE
0/0	144" x 48"	CHARTS, SHEET 3	NONE



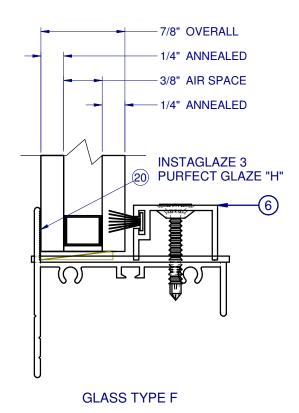


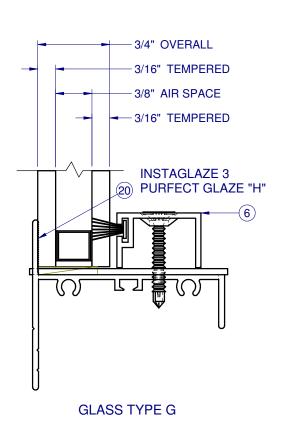


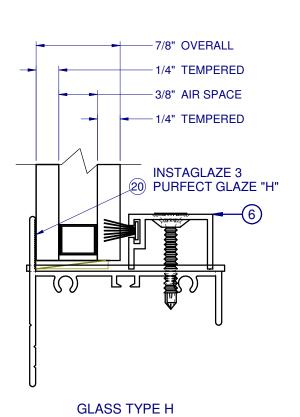




GLASS TYPE E







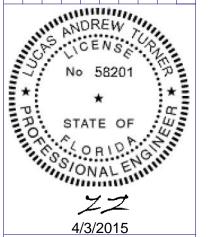
WINDOW SYSTEMS

1900 SW 44TH AVE.
OCALA, FLORIDA 34474

WWW.CWS.CC

4000 ALUM. PICTURE WINDOW NON-IMPACT

		EMK 03/09/15	ADE 03/09/10	ADE 07/10/09	ADE 06/10/08	DATE:	
		EM	ADE	ADE	ADE	BY:	
		UPDATED PER 2014 FBC	UPDATED PER 2010 FBC	UPDATED PER FBC REQ.	CORRECTED LAYOUTS	NO.: DESCRIPTION:	REVISIONS
		Ω	ပ	В	⋖	NO.:	



LUCAS A. TURNER, P.E. FL PE # 58201 1239 JABARA AVE. NORTH PORT, FL 34288

PH. 941-380-1574

SHEET DESCRIPTION:

GLAZING DETAILS

DRAWN BY:	DATE:
ADE	02/07/08
DWG #:	REV.:
CWS-169	D
SCALE:	SHEET
1:1	2 OF 9

	"O" CONFIGURATION - ANNEALED GLASS OPTIONS DESIGN PRESSURES, PSF (POSITIVE AND NEGATIVE PRESSURES ARE EQUAL)															
		GLASS	1		20001120	,, . J. (.					UNIT SI		12)			
		TYPE	18	24	30	36	42	48	54	60	66	72	78	84	90	96
		Α	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	18	В	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	10	E	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
		F	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
		Α	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	58.9	56.6	55.1	53.7	52.9
	24	В	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
		E	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
		F	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
		Α	60.0	60.0	60.0	60.0	60.0	60.0	57.6	50.8	45.6	41.5				
	30	В	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	58.3	55.0	52.8	50.9	49.7
		E	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
		F	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
		A	60.0	60.0	60.0	60.0	60.0	60.0	54.4	48.1	42.2	40.0	40.7	40.7		
	36	В	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.3	52.6	48.0	43.7	40.7	54.2	47.7
		E	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	55.4	51.2	47.7
		F	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
		A	60.0	60.0	60.0	60.0	60.0	57.7	51.5	46.5	41.3	45.2	40.7			
Ĭ.	42	B E	60.0	60.0	60.0	60.0	60.0	60.0	60.0	56.0 60.0	50.2 60.0	45.2 60.0	40.7 60.0	E 4 E	49.4	45.2
ZE		F	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	54.5 60.0	60.0	55.8
T SI			60.0	60.0	60.0	60.0	57.7	52.7	47.6	43.5	00.0	00.0	00.0	00.0	00.0	33.6
		A B	60.0	60.0	60.0	60.0	60.0	60.0	58.5	53.2	48.2	43.9				
Z,	48	E	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.5	54.5	49.7	45.6
ISIC		F	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	57.3	52.5
/EP		A	60.0	60.0	57.6	54.4	51.5	47.6	43.5	00.0	00.0	00.0	00.0	00.0	37.5	32.3
		В	60.0	60.0	60.0	60.0	60.0	58.5	54.3	49.6	45.9	41.7				
)RT	54	E	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	56.1	52.3	48.6	45.2
INDOW SHORT DIMENSION, UNIT SIZE (IN.)		F	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	58.9	53.3	48.7
>		Α	60.0	60.0	50.8	48.1	46.5	43.5								
00		В	60.0	60.0	60.0	59.3	56.0	53.2	49.6	46.4	42.4					
×	60	Е	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	55.8	52.1	48.6	45.7	43.1
		F	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	56.0	50.4	45.8
		Α	60.0	60.0	45.6	42.2	41.3									
	66	В	60.0	60.0	60.0	52.6	50.2	48.2	45.9	42.4						
	66	Е	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	55.6	51.7	47.8	45.0	42.4	40.1
		F	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	55.9	55.9	55.9	53.9	48.2	43.6
		Α	60.0	58.9	41.5											
	72	В	60.0	60.0	58.3	48.0	45.2	43.9	41.7							
	/ 2	E	60.0	60.0	60.0	60.0	60.0	60.0	60.0	55.8	51.7	47.8	44.4	41.7		
		F	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	55.9	51.0	51.0	51.0	46.7	42.0
		Α	60.0	56.6												
	78	В	60.0	60.0	55.0	43.7	40.7									
	, 0	E	60.0	60.0	60.0	60.0	60.0	59.5	56.1	52.1	47.8	44.4	41.4			
		F	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	55.9	51.0	46.4	46.4	45.6	40.8
		Α	60.0	55.1												
	84	В	60.0	60.0	52.8	40.7										
		E	60.0	60.0	60.0	55.4	54.5	54.5	52.3	48.6	45.0	41.7				
		F	60.0	60.0	60.0	60.0	60.0	60.0	58.9	56.0	53.9	51.0	46.4	40.0	40.0	40.0

"O" CONFIGU	RATION - TEMPERED GLASS OPTIONS
DESIGN PRESSURES, PSF	(POSITIVE AND NEGATIVE PRESSURES ARE EQUAL)

	DESIGN PRESSURES, PSF (POSITIVE AND NEGATIVE PRESSURES ARE EQUAL)														
		GLASS				WINE	OW LO	NG DIME	NSION,	UNIT SIZ	E (IN.)				,
		TYPE	30	36	42	48	54	60	66	72	78	84	90	96].
	30	С	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	
	30	D, G, H	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	١
	36	С	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	123.2	113.8	105.9	┢
(IN.)	30	D, G, H	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	
(≥	42	С	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	121.2	109.8	100.5	
SIZE	42	D, G, H	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	124.0	
UNIT	48	С	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	132.2	121.2	110.5	101.4	
		D, G, H	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	128.9	118.1	
DIMENSION,	54	С	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	124.8	116.3	108.0	100.5	┢
INSI		D, G, H	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	132.6	120.0	109.6	
ME	60	С	133.3	133.3	133.3	133.3	133.3	126.9	126.9	124.1	115.7	108.0	101.6	95.7	
TD	60	D, G, H	133.3	133.3	133.3	133.3	133.3	126.9	126.9	126.9	126.9	126.0	113.4	103.1	
SHORT	66	С	133.3	133.3	133.3	133.3	133.3	126.9	117.1	114.8	106.2	100.1	94.2		
	00	D, G, H	133.3	133.3	133.3	133.3	133.3	126.9	115.4	115.4	115.4	115.4	108.5	98.2	
WINDOW	72	С	133.3	133.3	133.3	133.3	133.3	124.1	114.8	106.3	98.7	92.7			H
ND	72	D, G, H	133.3	133.3	133.3	133.3	133.3	126.9	115.4	105.7	105.7	105.7	105.0	94.5	
\mathbb{A}	78	С	133.3	133.3	133.3	132.2	124.8	115.7	106.2	98.7	91.9				
	/8	D, G, H	133.3	133.3	133.3	133.3	133.3	126.9	115.4	105.7	97.5	97.5	97.5	91.8	
	0.1	С	133.3	123.2	121.2	121.2	116.3	108.0	100.1	92.7					
	84	D, G, H	133.3	133.3	133.3	133.3	132.6	126.0	115.4	105.7	97.5	90.0	90.0	90.0	

	"O/O" EQUAL SPLIT CONFIGURATION WITH FAKE MULL										
	DESIGN I	·	(POSITIVE AND NEGATIVE PRESSURES ARE EQUAL)								
		GLASS		WINDOW HEIGHT, UNIT SIZE (IN.)							
		TYPE	24	30	36	42	48				
	36	Α	60.0	60.0	60.0	60.0	60.0				
	30	B THRU H	60.0	60.0	60.0	60.0	60.0				
	48	Α	60.0	60.0	60.0	60.0	53.3				
	46	B THRU H	60.0	60.0	60.0	60.0	53.3				
	60	Α	60.0	60.0	60.0	56.9	46.5				
ź	60	B THRU H	60.0	60.0	60.0	56.9	46.5				
E (I	72	Α	60.0	60.0	60.0	53.3	42.7				
SIZ		B THRU H	60.0	60.0	60.0	53.3	42.7				
불	84	Α	60.0	60.0	60.0	52.2	40.6				
) ,		B THRU H	60.0	60.0	60.0	52.2	40.6				
	0.0	Α	60.0	60.0	60.0	52.2	40.0				
\geq	96	B THRU H	60.0	60.0	60.0	52.2	40.0				
<u></u> ≥	100	Α	60.0	58.5	55.4	52.2	40.0				
	108	B THRU H	60.0	60.0	60.0	52.2	40.0				
WINDOW WIDTH, UNIT SIZE (IN.)	120	Α	60.0	51.4	48.9	47.1	40.0				
	120	B THRU H	60.0	60.0	60.0	52.2	40.0				
	122	Α	60.0	46.0	42.7	41.6					
	132	B THRU H	60.0	60.0	53.3	48.8	40.0				
	1 1 1	А	58.9	41.7							
	144	B THRU H	60.0	53.9	47.4	43.0	40.0				

NOTES:

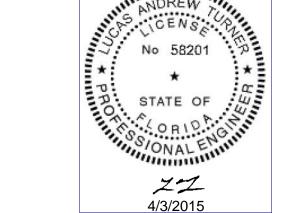
- 1. IF SIZE INTENDED IS NOT SHOWN, USE NEXT LARGER SIZE.
- 2. GLASS TYPES IN "GRAYED OUT" AREAS ARE NOT AVAILABLE.



4000 ALUM. PICTURE WINDOW NON-IMPACT

03/09/15 03/09/10 07/10/09 06/10/08 DATE:

			EMK	ADE	ADE	ADE	BY:	
			UPDATED PER 2014 FBC	UPDATED PER 2010 FBC	UPDATED PER FBC REQ.	CORRECTED LAYOUTS	NO.: DESCRIPTION:	REVISIONS
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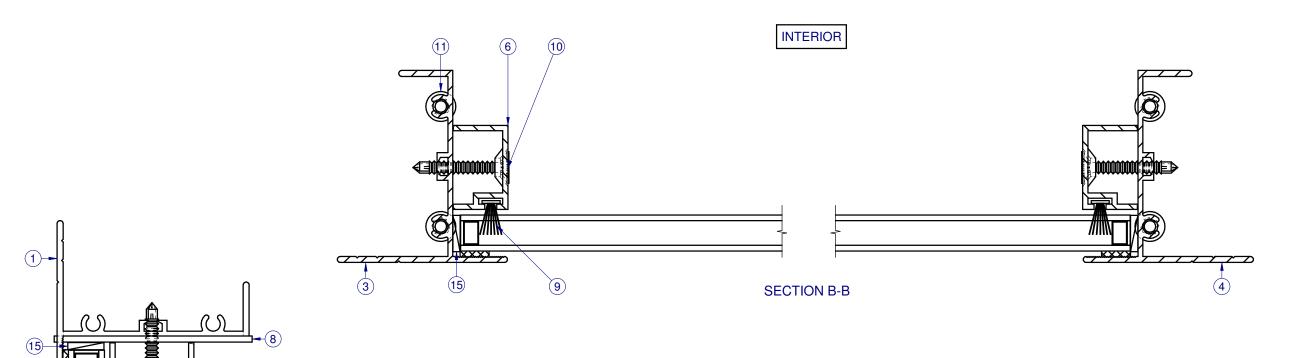


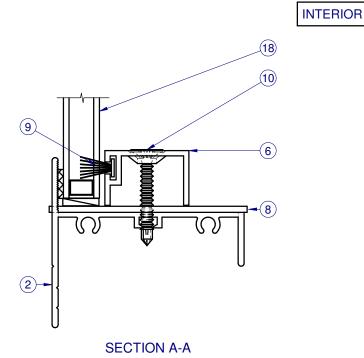
LUCAS A. TURNER, P.E. FL PE # 58201 1239 JABARA AVE. NORTH PORT, FL 34288 PH. 941-380-1574

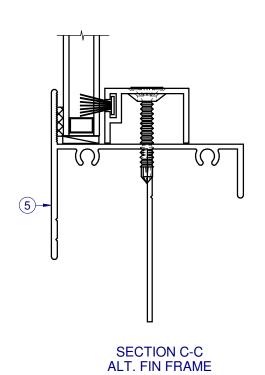
SHEET DESCRIPTION:

COMPARATIVE ANALYSIS

DRAWN BY:	DATE:
ADE	02/07/08
DWG #:	REV.:
CWS-169	D
SCALE:	SHEET
1:1	3 OF 9







ITEMS NOT SHOWN FOR CLARITY: 12-14, 16, 17

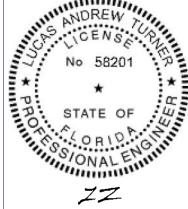
9

CUSTOIM WINDOW SYSTEMS

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

4000 ALUM. PICTURE WINDOW NON-IMPACT

		EMK 03/09/15	ADE 03/09/10	ADE 07/10/09	06/10/08	DATE:	
		EMK	ADE	ADE	ADE	BY:	
		UPDATED PER 2014 FBC	UPDATED PER 2010 FBC	UPDATED PER FBC REQ.	CORRECTED LAYOUTS	NO.: DESCRIPTION:	REVISIONS
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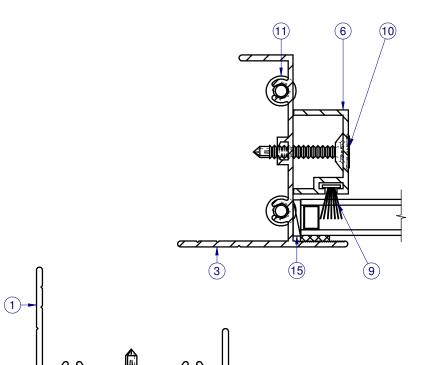
4/3/2015

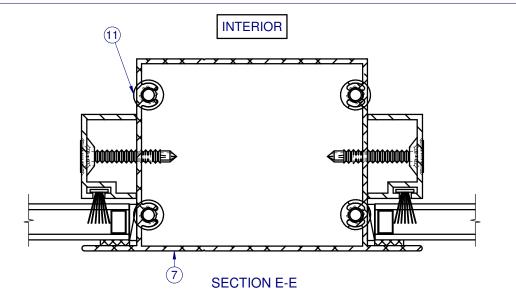
LUCAS A. TURNER, P.E. FL PE # 58201 1239 JABARA AVE. NORTH PORT, FL 34288 PH. 941-380-1574

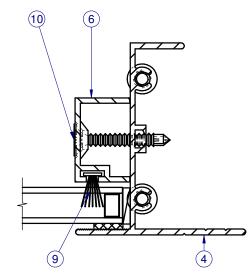
SHEET DESCRIPTION:

SECTION VIEWS O

DRAWN BY:	DATE:
ADE	02/07/08
DWG #:	REV.:
CWS-169	D
SCALE:	SHEET
1:1	4 OF 9









4000 ALUM. PICTURE WINDOW NON-IMPACT

		EMK 03/09/15	ADE 03/09/10	ADE 07/10/09	ADE 06/10/08	DATE:	
		EMK	ADE	ADE	ADE	BY:	
		UPDATED PER 2014 FBC	UPDATED PER 2010 FBC	UPDATED PER FBC REQ.	CORRECTED LAYOUTS	NO.: DESCRIPTION:	REVISIONS
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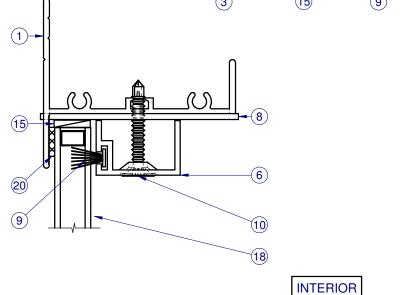


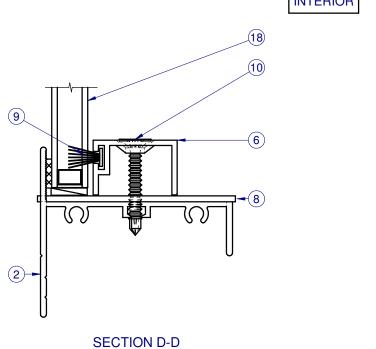
LUCAS A. TURNER, P.E. FL PE # 58201 1239 JABARA AVE. NORTH PORT, FL 34288 PH. 941-380-1574

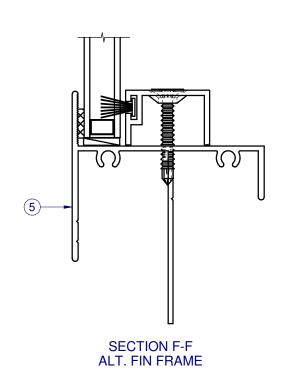
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SECTION VIEWS O/O

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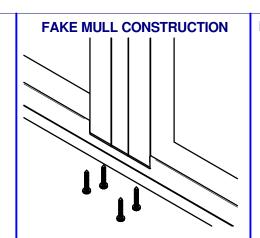


ITEMS NOT SHOWN FOR CLARITY: 12-14, 16, 17

	PARTS LIST									
ITEM	PART #	DESCRIPTION	VENDOR	MATERIAL						
1	S-1183	Fr., PW, Main, Head	Keymark	Alum						
2	S-1183	Fr., PW, Main, Sill	Keymark	Alum						
3	S-1183	Fr., PW, Main, L. Jamb	Keymark	Alum						
4	S-1183	Fr. PW, Main, R. Jamb	Keymark	Alum						
5	S-1184	Fr., Main, PW, with Fin	Keymark	Alum						
6	S-1112	Glz. Bd., Aluminum, Horiz.	Keymark	Alum						
7	H-1424	Fake Mull	Keymark	Alum						
8	P-3006	4000 Jamb Gasket	HOP							
9	P-3310-B	Wstp., No Fin, Black (Cut to Size with Glazing Bead)	Ultrafab							
10	P-3587	#8 x 1" Bugle Head Phillips TEK Self-Drilling Type A, S	Fastenal	Steel						
11	P-3612	#8 x 1" w/ 1/4" Lead Pan Head Quadrex Self-Tapping T	Fastenal	Steel						
12	P-3401D	Silicon, Sealant (55 gallon drum)	Schnee	Silicone						
15	P-3352	Set. Blk., 85 Dur., 1/8" x 5/8" x 2" Lg.	Franke Lowe	Rubber						
18		Glass, Fixed								
20		Instaglaze 3, Purfect Glaze "H"	Dow, Henkel							

LINE ITEMS NOT USED: 13-14, 16-17, 19

NOTE: ALUMINUM PROFILES ARE 6063-T6 UNLES OTHERWISE NOTED.

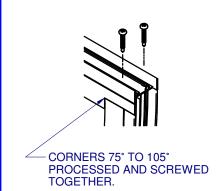


FRAME CORNER CONSTRUCTION



CORNER WELD (ALL ANGLES GREATER THAN 105° OR LESS THAN 75°)

FRAME PROCESSED CONSTRUCTION



GLAZING BEAD - S-1112

UNDOW SYSTEMS

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

4000 ALUM. PICTURE WINDOW NON-IMPACT

		EMK 03/09/15	ADE 03/09/10	ADE 07/10/09	ADE 06/10/08	DATE:	
		EMK	ADE	ADE	ADE	BY:	
		UPDATED PER 2014 FBC	UPDATED PER 2010 FBC	UPDATED PER FBC REQ.	CORRECTED LAYOUTS	NO.: DESCRIPTION:	REVISIONS
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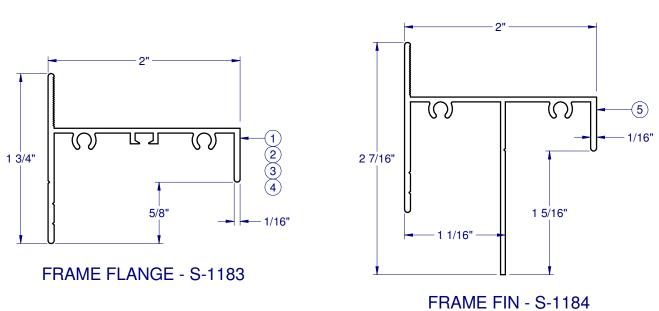


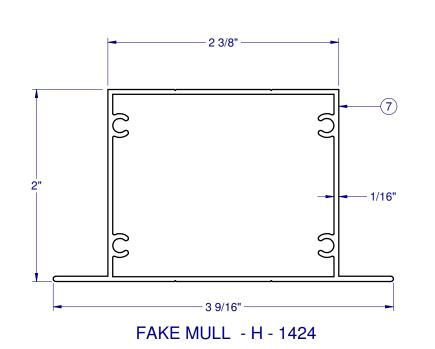
4/3/2015 LUCAS A. TURNER, P.E. FL PE # 58201 1239 JABARA AVE. NORTH PORT, FL 34288 PH. 941-380-1574

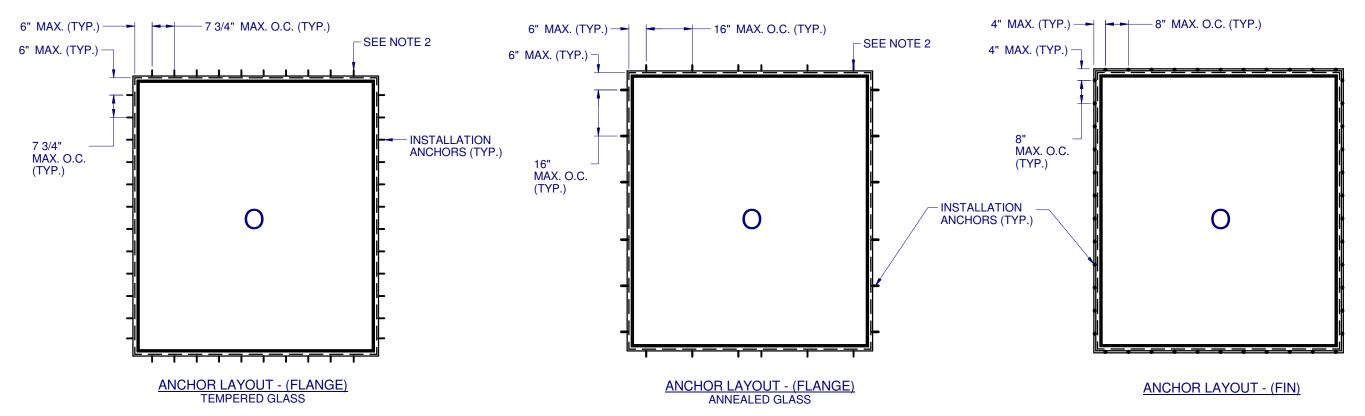
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NOTES:

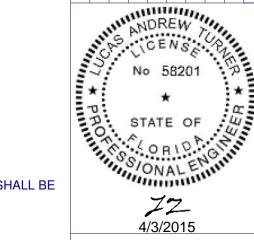
- 1. INSTALL ONE ANCHOR AT EACH LOCATION. SILL ANCHOR SPACING SAME AS HEAD.
- 2. SHIM AS REQ AT EACH INSTALLATION ANCHOR USING LOAD BEARING SHIMS. MAX. ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE SPACE GREATER THAN 1/16" IS PRESENT. LOAD BEARING SHIMS SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC 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 9.
- 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 9.
- 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: 4" FOR SOLID CONCRETE, 6" FOR CMU, 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 9. 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)



4000 ALUM. PICTURE WINDOW NON-IMPACT

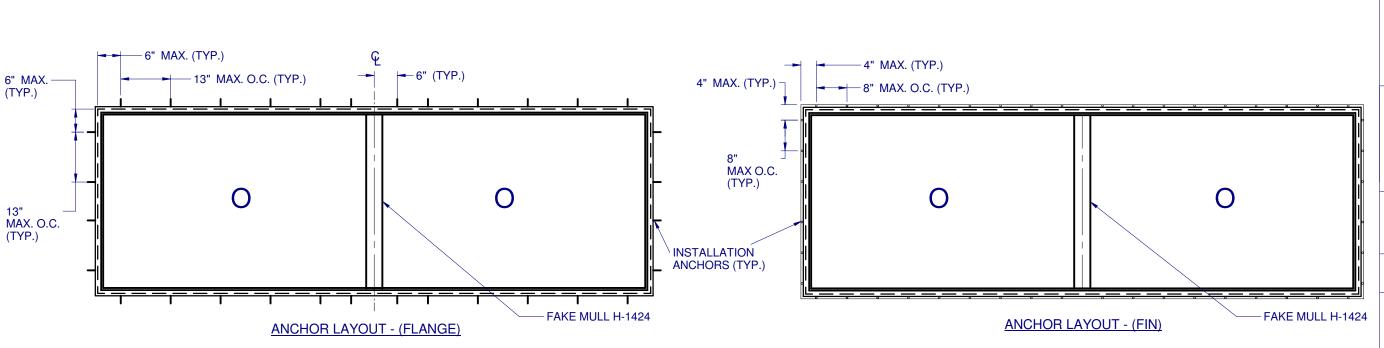
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		EMK	ADE	ADE	ADE	BY:	
		UPDATED PER 2014 FBC	UPDATED PER 2010 FBC	UPDATED PER FBC REQ.	CORRECTED LAYOUTS	NO.: DESCRIPTION:	REVISIONS
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LUCAS A. TURNER, P.E. FL PE # 58201 1239 JABARA AVE. NORTH PORT, FL 34288 PH. 941-380-1574

SHEET DESCRIPTION:
ANCHOR SCHEDULE AND
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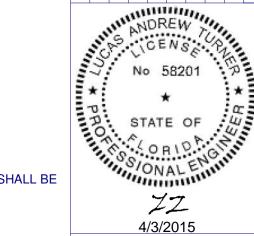
NOTES:

- 1. INSTALL ONE ANCHOR AT EACH 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.
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4000 ALUM. PICTURE WINDOW NON-IMPACT

		EMK 03/09/15	03/09/10	ADE 07/10/09	06/10/08	DATE:	
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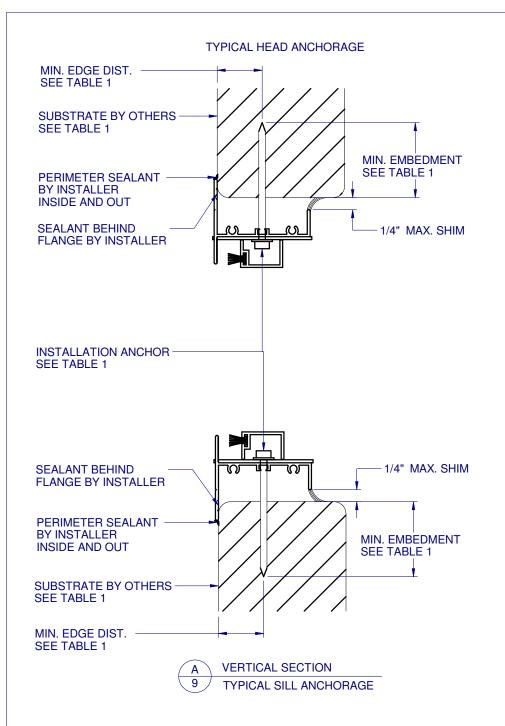


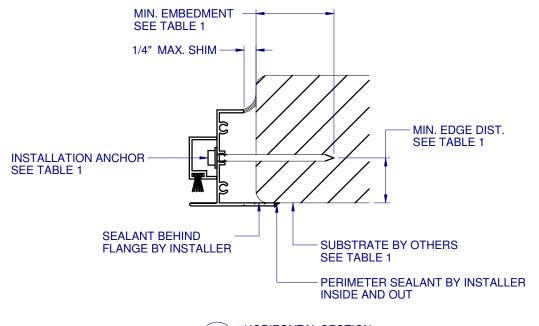
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SHEET DESCRIPTION:

ANCHOR SCHEDULE AND
NOTES
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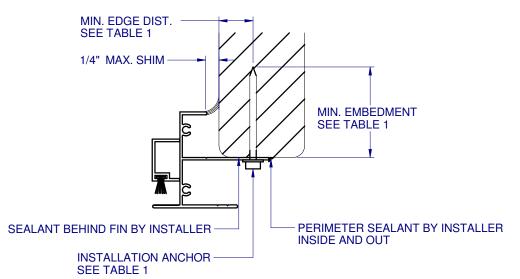
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B HORIZONTAL SECTION

9 TYPICAL JAMB ANCHORAGE



(C)

HORIZONTAL SECTION

TYPICAL JAMB (FIN) ANCHORAGE
HEAD AND SILL SIMILAR FOR FIN INSTALLATION

	TABLE 1: APPROVED INSTALLATION FASTENERS									
FRAME TYPE	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DIST.						
FLANGE	CONCRETE (2.0 KSI MIN.)	1/4" ITW TAPCON	1-1/2"	1-1/2"						
FLANGE	CONCRETE (2.85 KSI MIN.)	1/4" ELCO ULTRACON	1-3/8"	1"						
FLANGE	HOLLOW OR GROUT-FILLED CMU (ASTM C-90)	1/4" ELCO ULTRACON	1-1/4"	2-1/2"						
FLANGE	2x MIN. SOUTHERN PINE WOOD (G=0.55 MIN.)	1/4" ITW TAPCON OR ELCO ULTRACON	1-3/8"	7/8"						
FLANGE	2x MIN. SOUTHERN PINE WOOD (G=0.55 MIN.)	#12 WOOD SCREW	1-3/8"	7/8"						
FLANGE	16 GAUGE (0.060") MIN. STEEL STUD (33 KSI YIELD MIN.)	#12-14 HILTI KWIK-FLEX OR ITW TEKS SELF-DRILLING	FULL THREAD THRU 0.060"	1/2"						
FLANGE	1/8" ALUM. (6063-T5 MIN.) OR 1/8" STEEL (33 KSI MIN.)	#12 GRADE 5 SELF-TAPPING / DRILLING SCREW	FULL THREAD THRU 0.125"	1/2"						
FIN	2x MIN. SPRUCE-PINE-FIR WOOD (G=0.42 MIN.)	#10 WOOD SCREW	2-1/4"	1/2"						

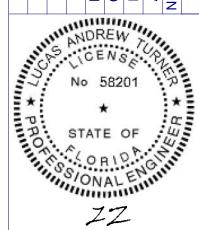
NOTES:

- 1. GLAZING BEAD SCREWS NOT SHOWN HERE FOR CLARITY. GLAZING BEAD MUST BE REMOVED FOR INSTALLATION, AND INSTALLATION ANCHORS APPLIED FLUSH TO PRODUCT FRAME.
- 2. INSTALLATION ANCHOR THRU FRAME MAY BE EITHER INSTALLED:
 A.) THRU GLAZING BEAD HOLE BY REMOVING EXISTING SCREW
 AND REPLACING. SCREWS THRU BEAD MUST BE EQUAL TO OR LESS
 THAN REQUIRED ANCHOR SPACING.
 - B.) PLACED UNDER THE GLAZING BEAD AS SHOWN ON THIS SHEET.



4000 ALUM. PICTURE WINDOW NON-IMPACT

		EMK 03/09/15	ADE 03/09/10	ADE 07/10/09	ADE 06/10/08	DATE:	
		EMK	ADE	ADE	ADE	BY:	
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4/3/2015 LUCAS A. TURNER, P.E.

FL PE # 58201 1239 JABARA AVE. NORTH PORT, FL 34288 PH. 941-380-1574

SHEET DESCRIPTION:

INSTALLATION DETAILS

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