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Business & Professional Regulation

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[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#)

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Search Criteria

Code Version	2017	FL #	17354.1
Application Type	ALL	Product Manufacturer	ALL
Category	ALL	Subcategory	ALL
Application Status	ALL	Compliance Method	ALL
Quality Assurance Entity	ALL	Quality Assurance Entity Contract Expired	ALL
Product Model, Number or Name	ALL	Product Description	ALL
Approved for use in HVHZ	ALL	Approved for use outside HVHZ	ALL
Impact Resistant	ALL	Design Pressure	ALL
Other	ALL		ALL

[Refine Search](#)

Search Results - Applications

FL #	Type	Manufacturer	Validated By	Status
FL17354-R2 History	Affirmation	Custom Window Systems Inc. FL #: FL17354.1 Model: PW-615 Vinyl Fixed Window Description: PW-615 Vinyl Fixed Window, Non-Impact Category: Windows Subcategory: Fixed	Steven M. Ulrich, PE (717) 317-8454	Approved

*Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.

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Product Approval Accepts:



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FL #
Application Type
Code Version
Application Status

FL17354-R2
Affirmation
2017
Approved

Comments
Archived

☐

Product Manufacturer
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Category
Subcategory

Windows
Fixed

Compliance Method

Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer
☐ Evaluation Report - Hardcopy Received

Florida Engineer or Architect Name who developed the Evaluation Report
Florida License
Quality Assurance Entry
Quality Assurance Contract Expiration Date
Validated By

Lucas. A Turner
PE-58201
Keystone Certifications, Inc.
07/21/2030
Steven M. Ulrich, PE
☐ Validation Checklist - Hardcopy Received

Certificate of Independence

[FL17354_R2_COI_EvalRep_CWS-944A/PW-615_NI.pdf](#)

Referenced Standard and Year (of Standard)

Standard

AAMA/WDMA/CSA 101/1.S.2/A440-08
ASTM E1300-04

Year

2008
2004

Equivalence of Product Standards
Certified By

Sections from the Code

☒ I affirm that there are no changes in the new Florida Building Code which affect my product(s) and my product(s) are in compliance with the new Florida Building Code.

Documentation from approved Evaluation or Validation Entity ☐ Yes ☐ No ☐ N/A

[FL17354_R2_COC_6thEdFBC-FL17354.pdf](#)

Product Approval Method	Method 1 Option D
Date Submitted	09/14/2017
Date Validated	09/14/2017
Date Pending FBC Approval	
Date Approved	09/15/2017

Summary of Products

FL #	Model, Number or Name	Description
17354.1	PW-615 Vinyl Fixed Window	PW-615 Vinyl Fixed Window, Non-Impact
Limits of Use Approved for use in HVHZ: No Impact Resistant: No Design Pressure: +50/-50 Other: PW-615, Max sizes 54" x 96" & 68" x 76", Fin, Flange, DP +50/-50 PSF. Glass complies with ASTM E1300-04.		
Installation Instructions FL17354_R2_II_CWS-944A(PW-615_NI).pdf Verified By: Lucas A. Turner PE-58201 Created by Independent Third Party: Yes Evaluation Reports FL17354_R2_AE_EvalRep_CWS-944A(PW-615_NI).pdf Created by Independent Third Party: Yes		
17354.2	PW-655 Vinyl Fixed Window	PW-655 Vinyl Fixed Window, Non-Impact
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other: PW-655, Max sizes 54" x 96" & 68" x 76", Fin, Flange, DP +50/-50 PSF. Glass complies with ASTM E1300-04.		
Installation Instructions FL17354_R2_II_CWS-945A(PW-655_NI).pdf Verified By: Lucas A. Turner PE-58201 Created by Independent Third Party: Yes Evaluation Reports FL17354_R2_AE_EvalRep_CWS-945A(PW-655_NI).pdf Created by Independent Third Party: Yes		

[Back](#) [Next](#)

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Product Approval Accepts:



PICTURE WINDOW - NON-IMPACT

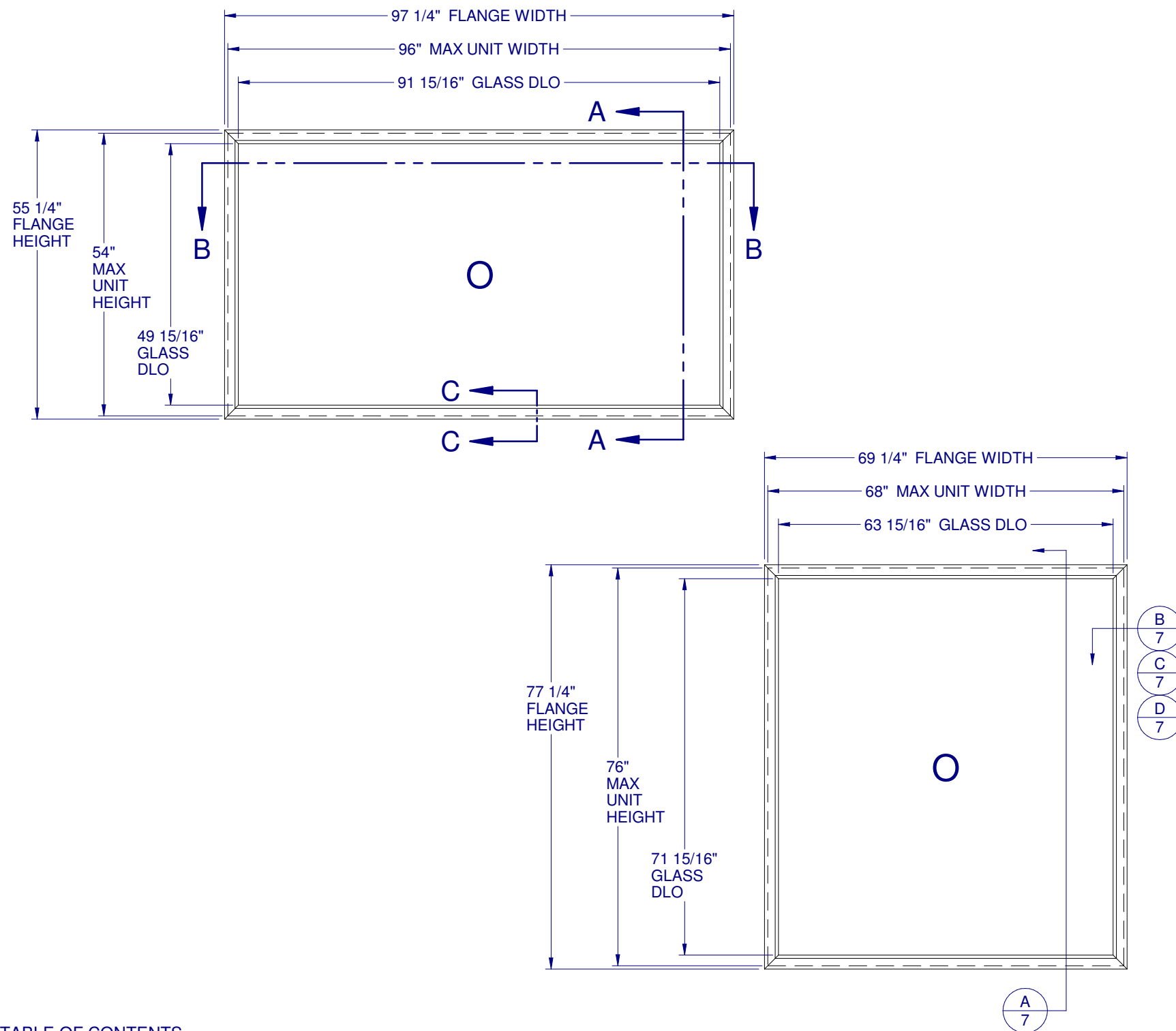


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DP CHART, BOM & EXTRUSIONS.....5
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MAX. UNIT SIZE	DESIGN PRESSURE RATING	IMPACT RATING
68" x 76"	SEE COMPARATIVE ANALYSIS CHART, SHEET 5	NONE
96" x 54"		NONE

GENERAL NOTES:

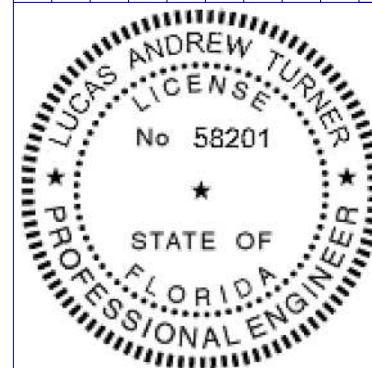
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE (FBC), CURRENT EDITION.
2. GLAZING OPTIONS: (SEE SHEET 3)
3. CONFIGURATIONS: "O". ARCHITECTURAL SHAPES INCLUDE, BUT ARE NOT LIMITED TO, THOSE SHOWN ON SHEET 2.
4. DESIGN PRESSURE RATING (SEE SHEET 5):
 - 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 $C_d=1.6$ 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 FULLY WELDED.
8. SERIES / MODEL DESIGNATION PW-615.
9. THE DESIGNATION X AND O STAND FOR THE FOLLOWING:
 - O = FIXED SASH
10. SECTION CALLOUTS APPLY TO ALL ELEVATIONS IN A SIMILAR LOCATION.

Lucas A. Turner
2015-04-03
16:43-04:00



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

**615 PVC
PICTURE WINDOW
NON-IMPACT**

[illegible]

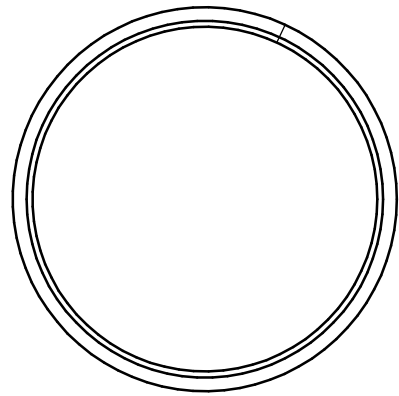
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4/3/2015

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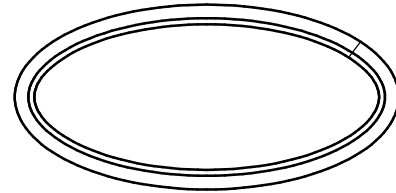
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GENERAL NOTES AND ELEVATIONS

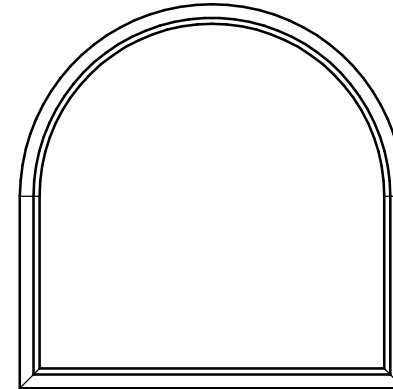
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DWG #: CWS-944	REV.: A
SCALE: 1:25	SHEET 1 OF 7



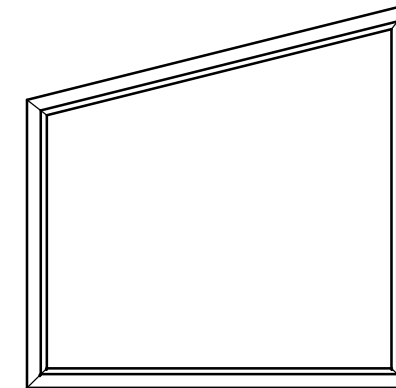
FULL CIRCLE



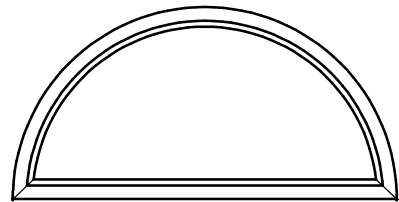
FULL ELLIPSE (OVAL)



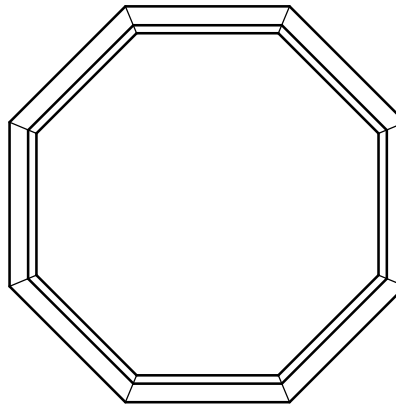
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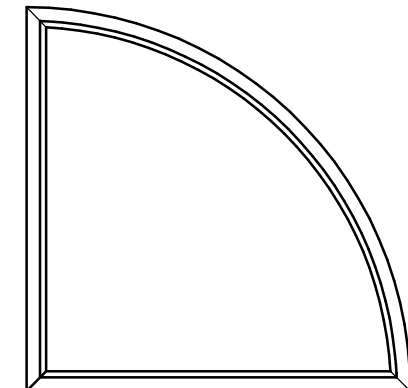
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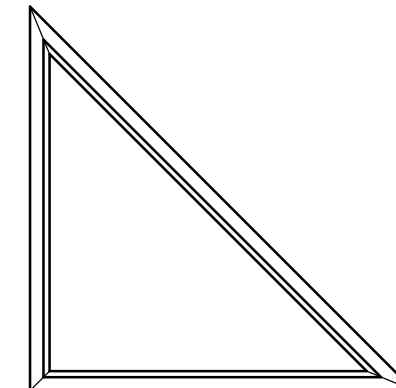
1/2 CIRCLE



OCTAGON



1/4 CIRCLE

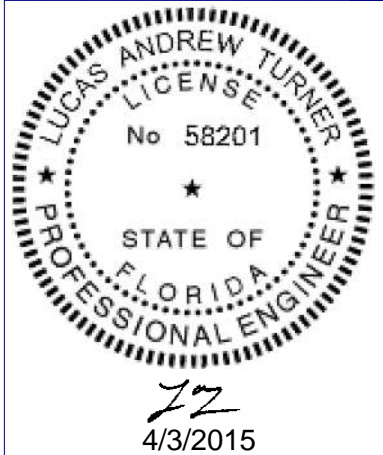


TRIANGLE

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.

**615 PVC
PICTURE WINDOW
NON-IMPACT**

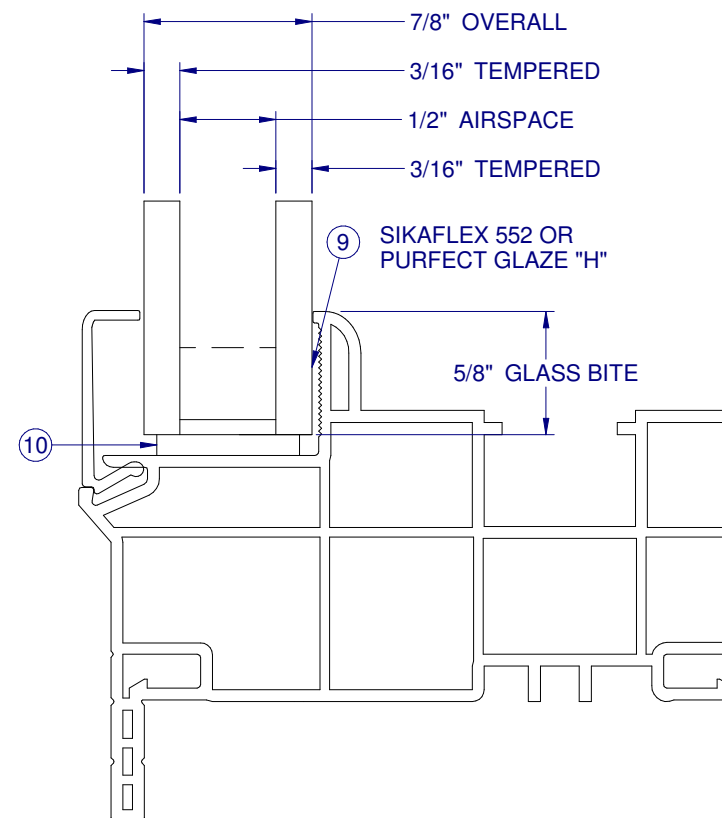
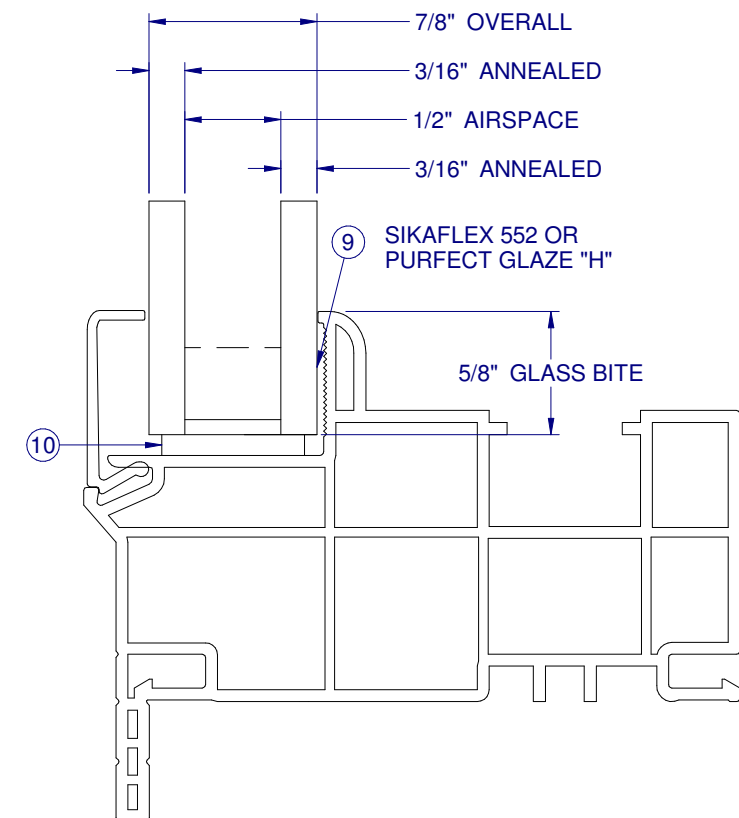
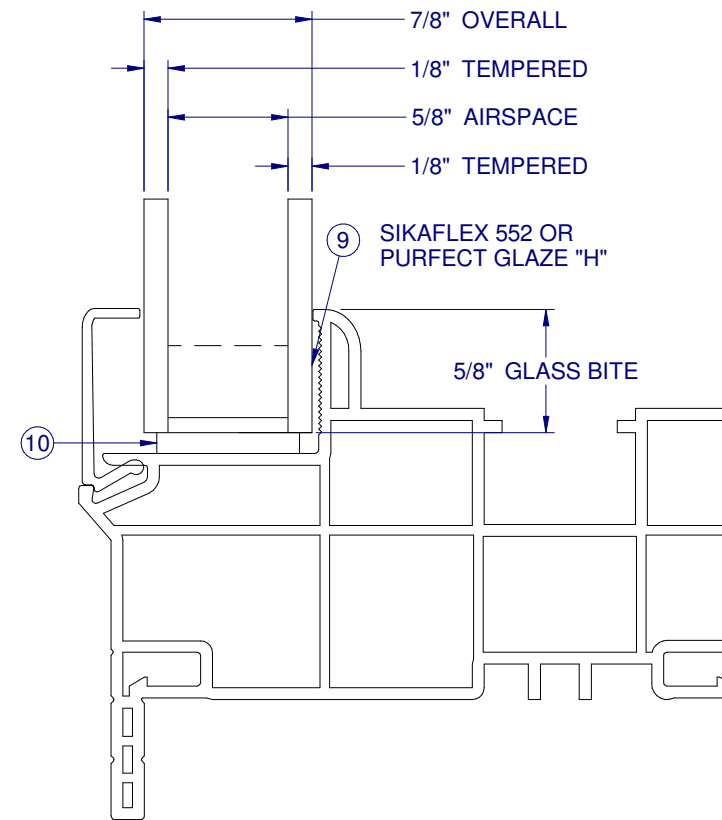
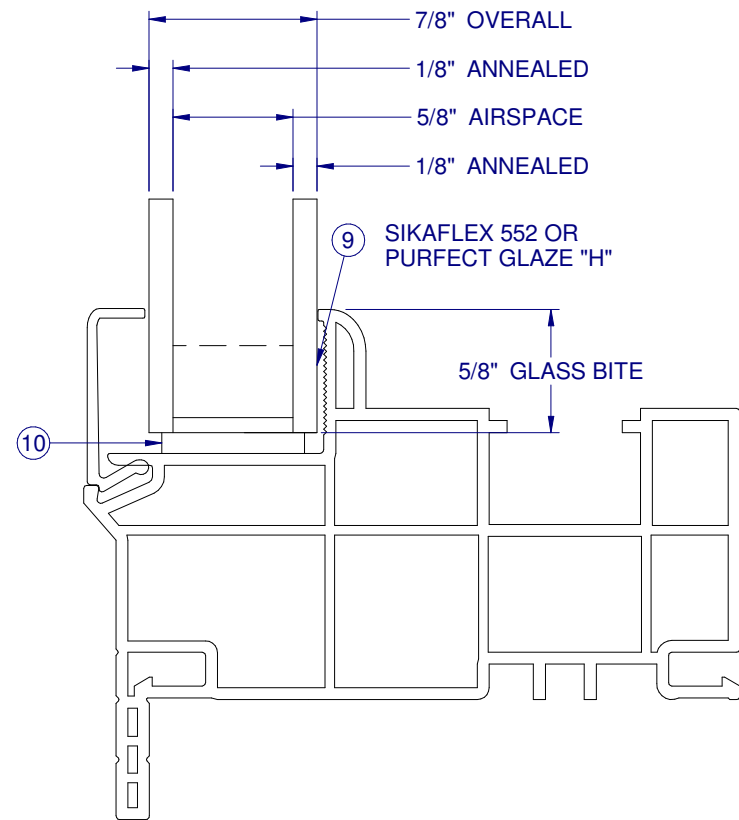
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SHEET DESCRIPTION:

ARCHITECTURAL SHAPES

DRAWN BY: ADE	DATE: 09/05/14
DWG #: CWS-944	REV.: A
SCALE: 1:1	SHEET 2 OF 7



**615 PVC
PICTURE WINDOW
NON-IMPACT**

[illegible]

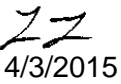
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SHEET DESCRIPTION:

GLAZING DETAILS

DRAWN BY: ADE	DATE: 09/05/14
DWG #: CWS-944	REV.: A
SCALE: 1:1	SHEET 3 OF 7

[illegible]

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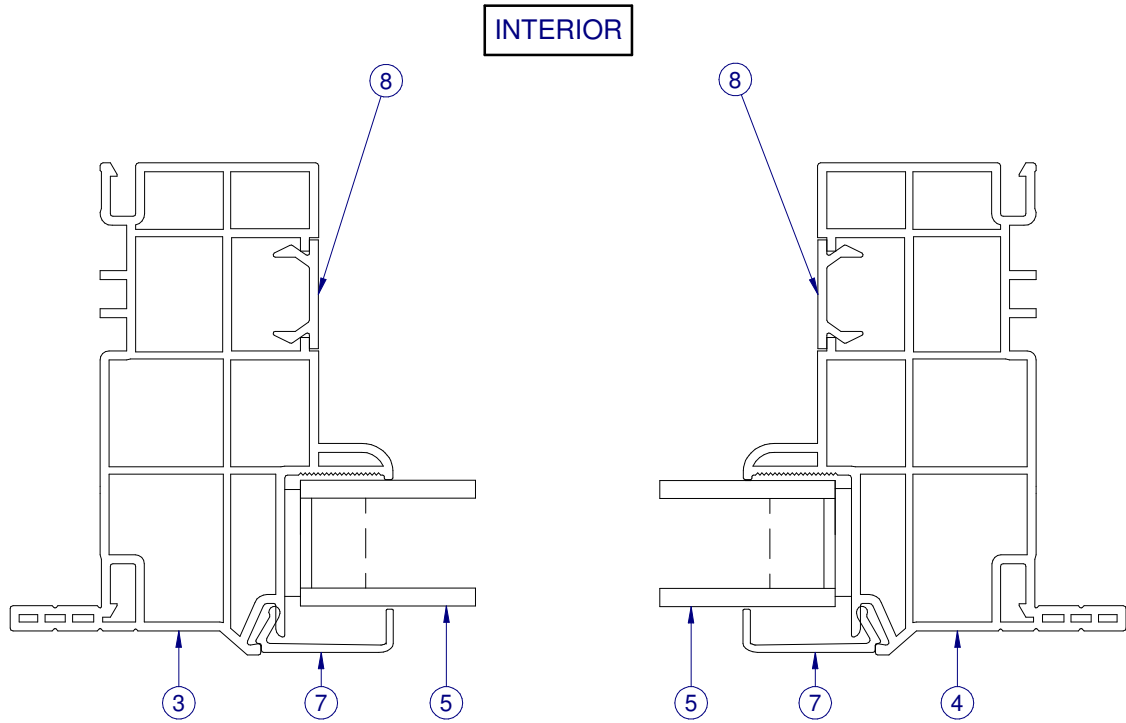
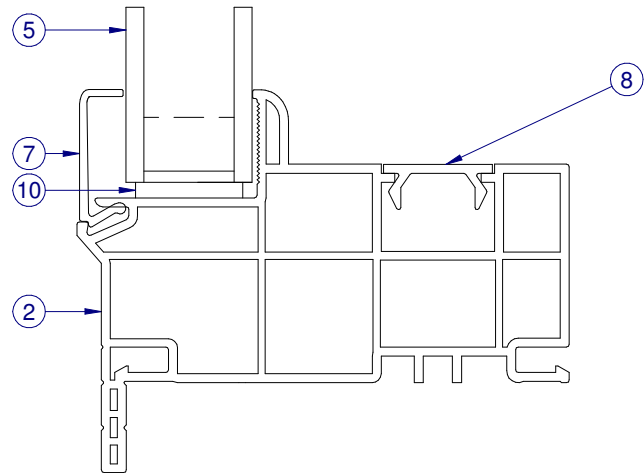
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SECTION VIEWS

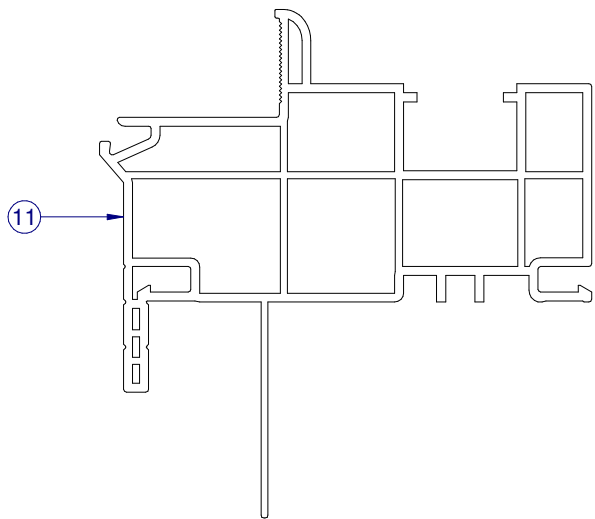
DRAWN BY: ADE	DATE: 09/05/14
DWG #: CWS-944	REV.: A
SCALE: 1:1.33	SHEET 4 OF 7



SECTION VIEW A-A



SECTION VIEW B-B

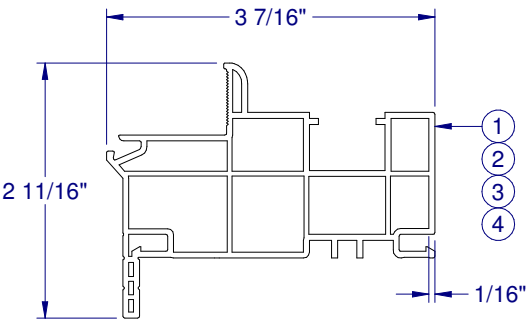
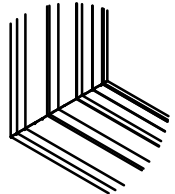


SECTION VIEW C-C
ALTERNATE FIN FRAME

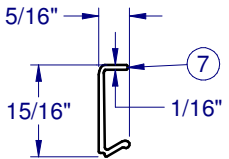
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NOTE: IF SIZE INTENDED IS NOT SHOWN, USE NEXT LARGER SIZE.

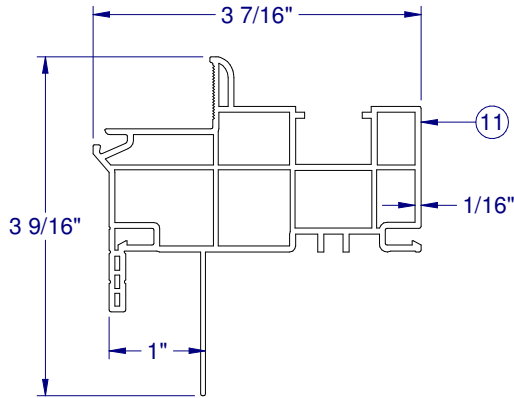
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		9	9	9	



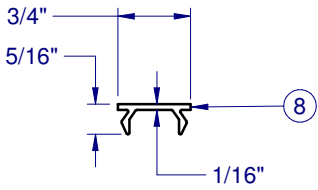
PVC FRAME FLANGE
H-6128FLG



PVC GLAZING BEAD S-6141



PVC FRAME FIN
H-6128FIN



PVC TRIM S-6144



Custom-e
WINDOW SYSTEMS

1900 SW 44TH AVE.
OCALA, FLORIDA 34474
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**615 PVC
PICTURE WINDOW
NON-IMPACT**

[illegible]

4/3/2015

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1239 JABARA AVE.
NORTH PORT, FL 34288
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SHEET DESCRIPTION:

DP CHART, BOM AND EXTRUSIONS

DRAWN BY:

ADE

DATE:

09/05/14

DWG #:

CWS-944

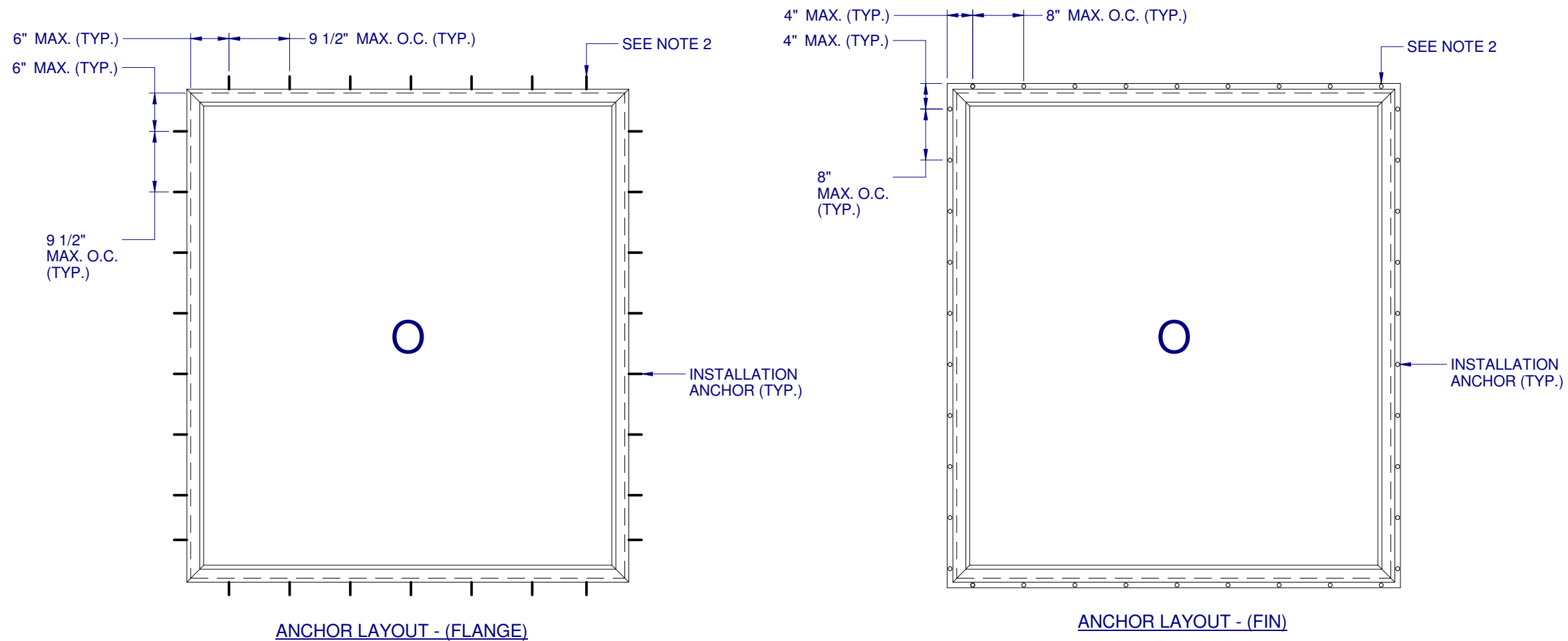
REV.:

A

SCALE:

1:2

SHEET
5 OF 7



NOTES:

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 - 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)

**615 PVC
PICTURE WINDOW
NON-IMPACT**

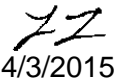
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										EMK	BY:
										UPDATED PER 2014 FBC	NO.: DESCRIPTION:
											REVISIONS



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:
ADE	09/05/14
DWG #:	REV.:
CWS-944	A
SCALE:	SHEET
1:20	6 OF 7

[illegible]

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

SHEET DESCRIPTION:

INSTALLATION DETAILS

DRAWN BY: ADE	DATE: 09/05/14
DWG #: CWS-944	REV.: A
SCALE: 1:2	SHEET 7 OF 7

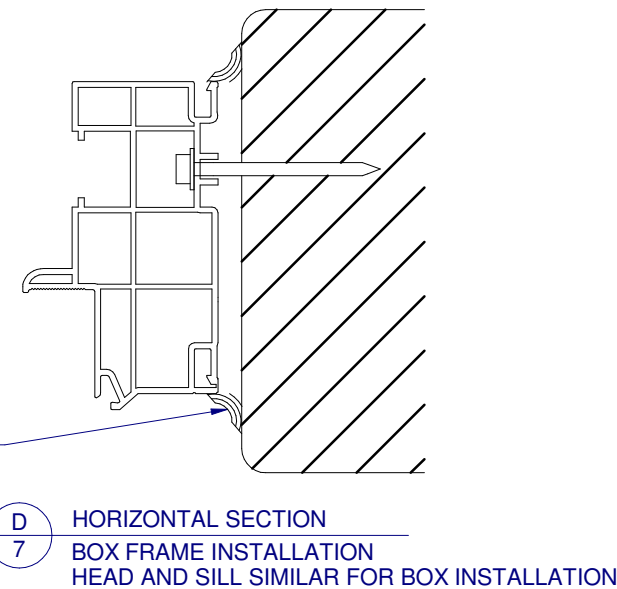
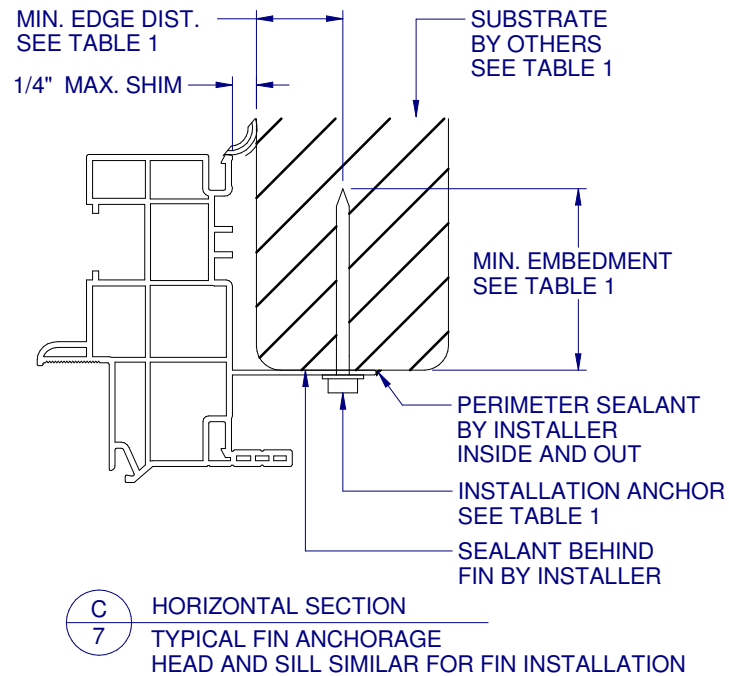
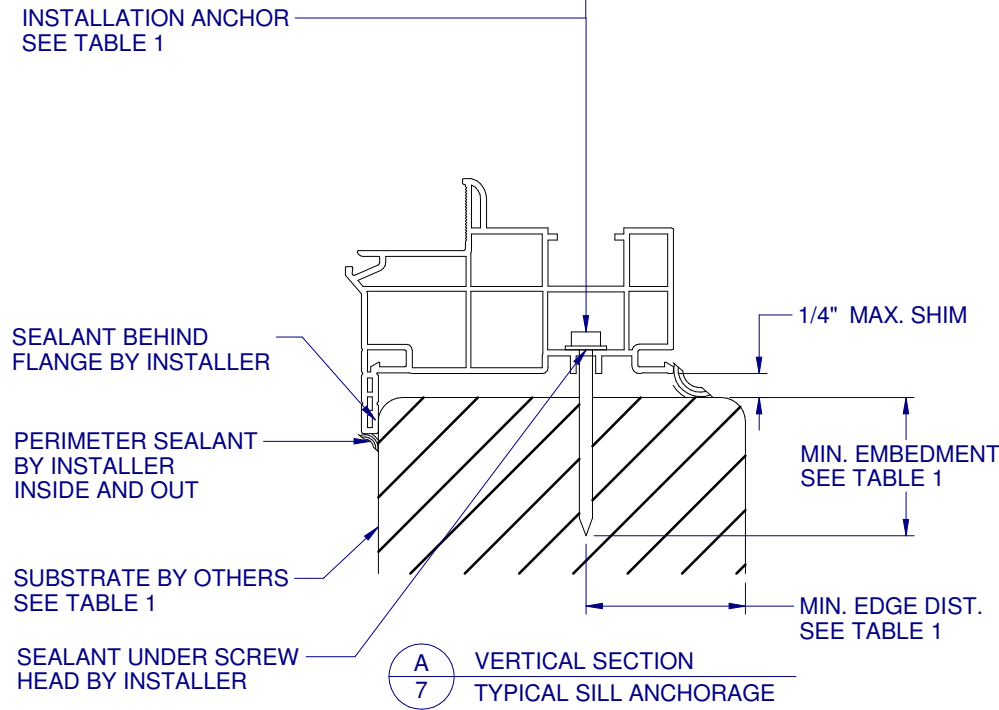


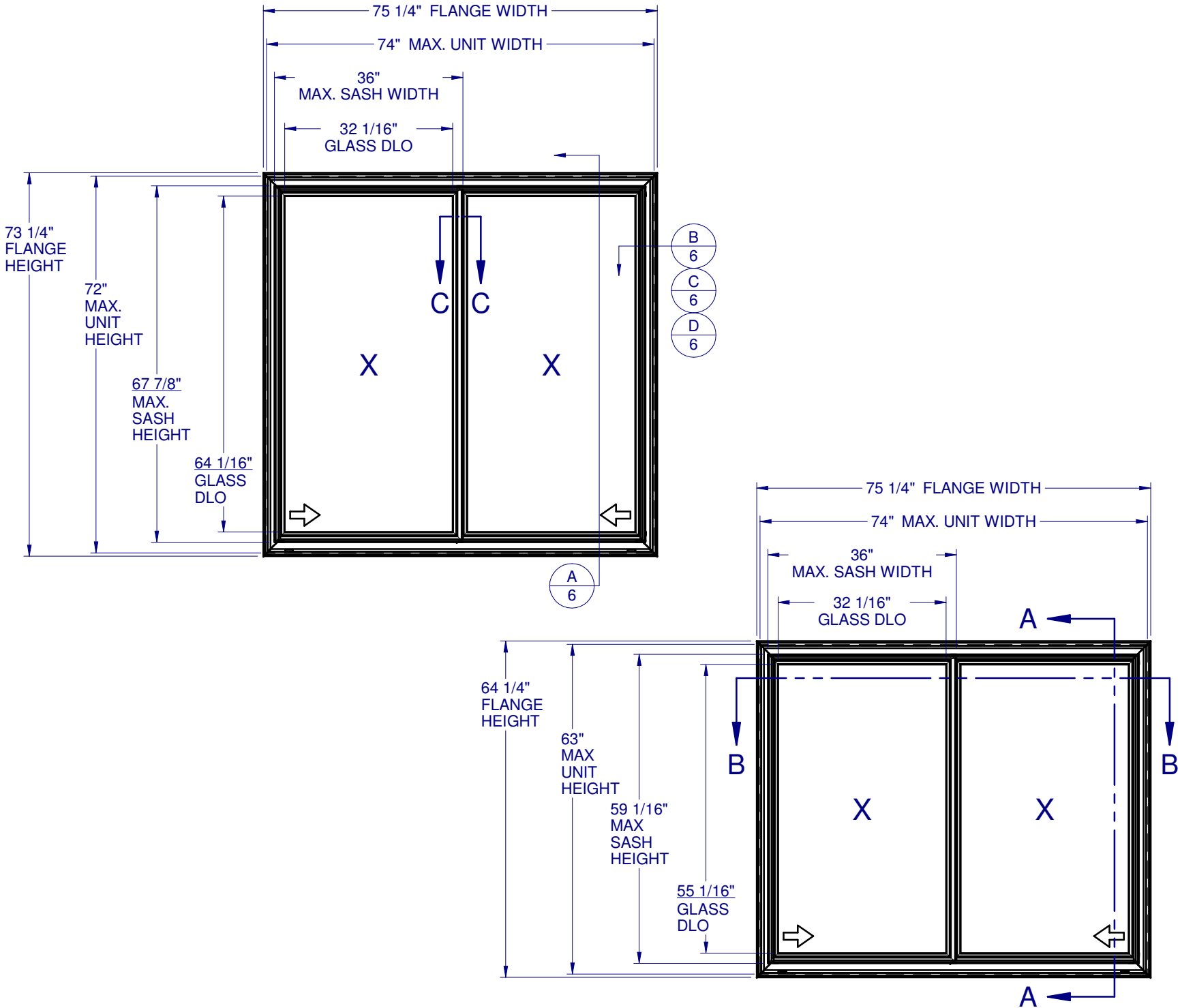
TABLE 1: APPROVED INSTALLATION FASTENERS

FRAME TYPE	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DIST.
FLANGE	CONCRETE (2.0 KSI MIN.)	3/16" ITW TAPCON	1-1/2"	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 WOOD SCREW	1-3/8"	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)	#8 WOOD SCREW	1-1/2"	7/16"

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.

HORIZONTAL SLIDER - 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: "XX".
 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 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 AND VENTS FULLY WELDED.
 8. SERIES / MODEL DESIGNATION HS-620.
 9. THE DESIGNATION X AND O STAND FOR THE FOLLOWING:
X = OPERABLE SASH
 10. SECTION CALLOUTS APPLY TO ALL ELEVATIONS IN A SIMILAR LOCATION.
 11. EXTERNAL WEEP SLOT = 5/16" x 2-1/8" LOCATED 4-1/2" FROM BOTH ENDS.

Lucas A. Turner
2015-04-27
21:05-04:00

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

620 PVC
HORIZ. SLIDER
NON-IMPACT

						DATE:
						BY:
						DESCRIPTION:
						NO.:
						REVISIONS



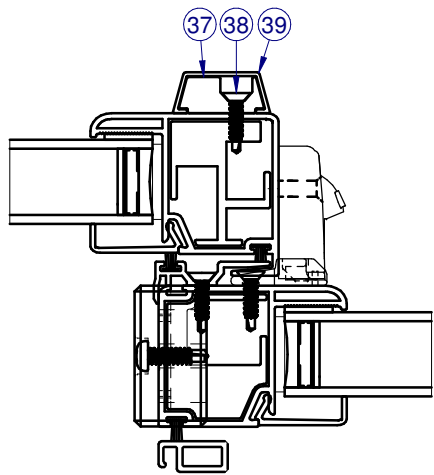
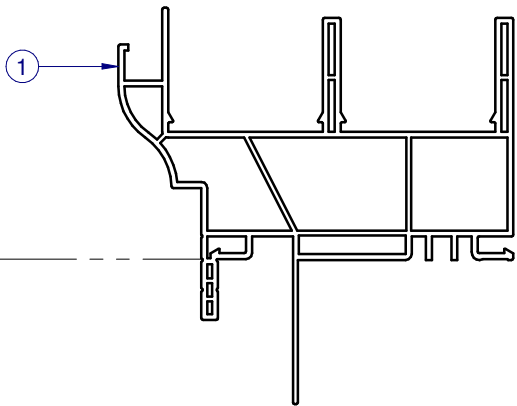
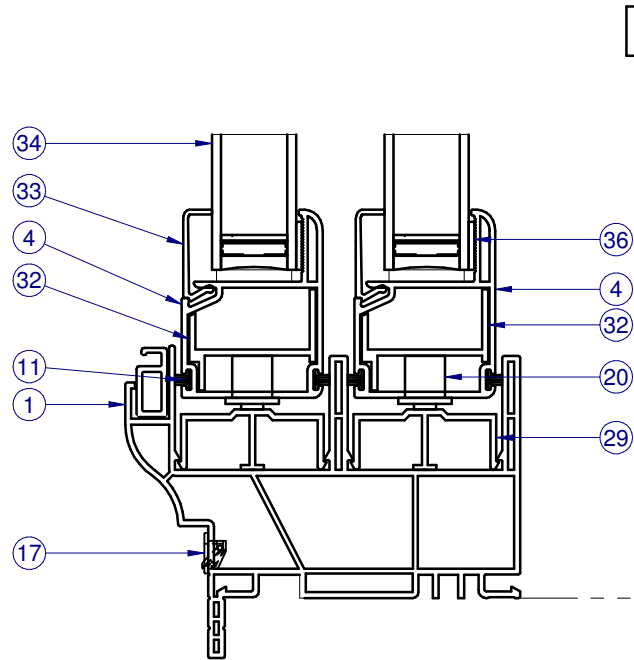
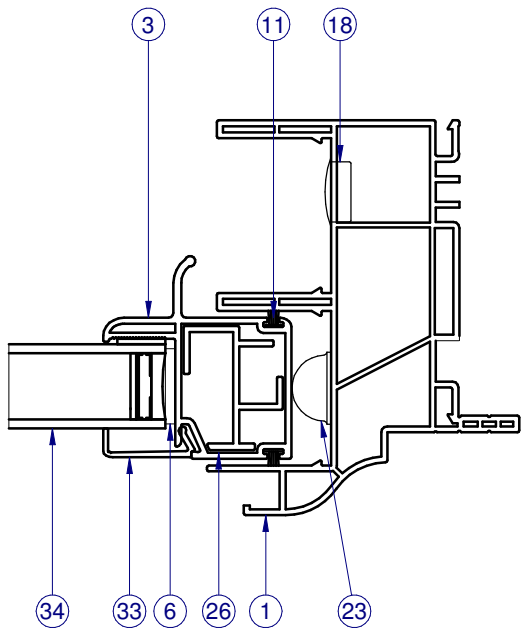
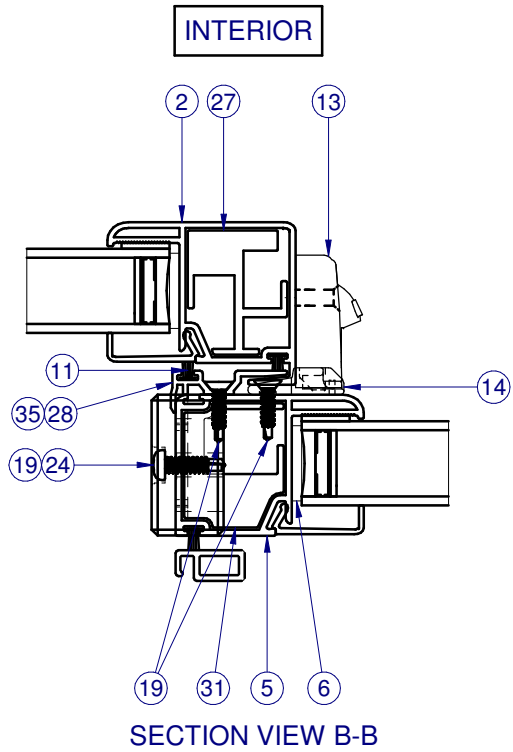
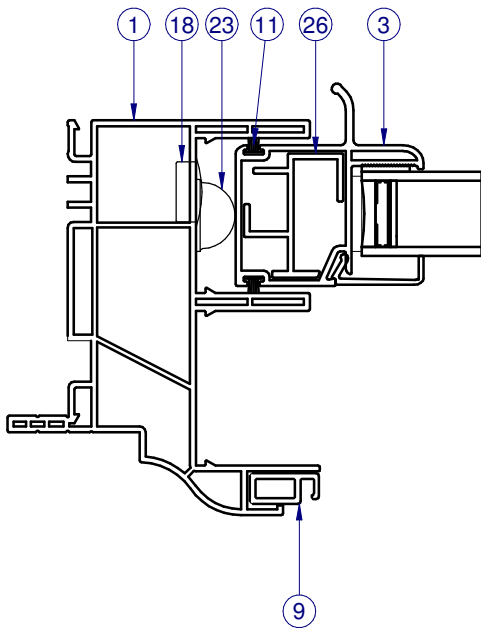
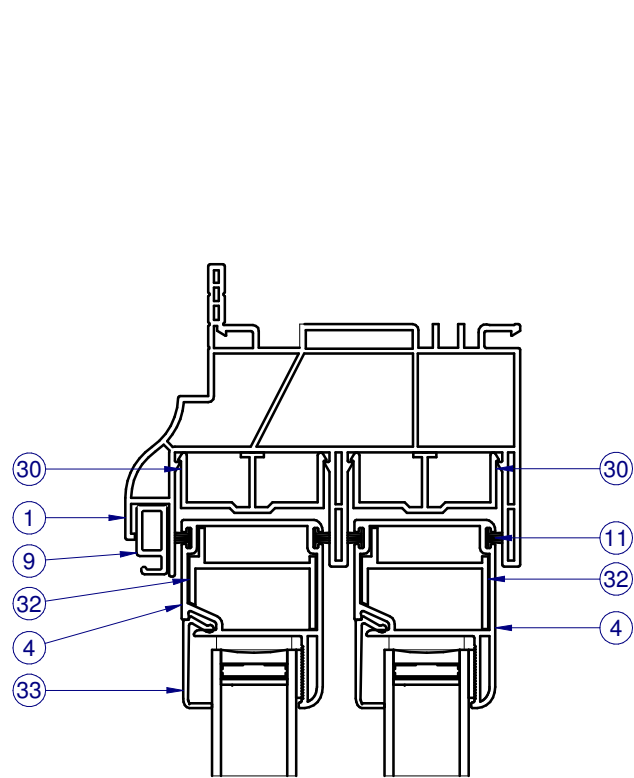
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FL PE # 58201
1239 JABARA AVE.
NORTH PORT, FL 34288
PH. 941-380-1574

SHEET DESCRIPTION:	
GENERAL NOTES AND ELEVATIONS	
DRAWN BY:	DATE:
EMK	04/22/15
DWG #:	REV.:
CWS-1059	-
SCALE:	SHEET
1:25	1 OF 6

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DP CHARTS & GLAZING DETAIL.....2
SECTION VIEWS.....3
EXTRUSIONS & B.O.M.....4
ANCHOR SCHEDULE & NOTES.....5
INSTALLATION DETAIL.....6

MAX. UNIT SIZE	2011 MTG. RAIL REINF.	DESIGN PRESSURE RATING	IMPACT RATING
74" x 63"	NO	SEE COMPARATIVE ANALYSIS CHARTS, SHEET 2	NONE
74" x 72"	YES		



INTERIOR

INTERIOR

SECTION VIEW B-B

SECTION VIEW C-C
MTG RAIL REINFORCEMENT (2011) REQUIRED
ON UNIT HEIGHTS ABOVE 63"

SECTION VIEW A-A

ALTERNATE FIN FRAME

ITEMS NOT SHOWN FOR CLARITY:
7-8, 10, 12, 15-16 & 21

**620 PVC
HORIZ. SLIDER
NON-IMPACT**

REVISIONS				
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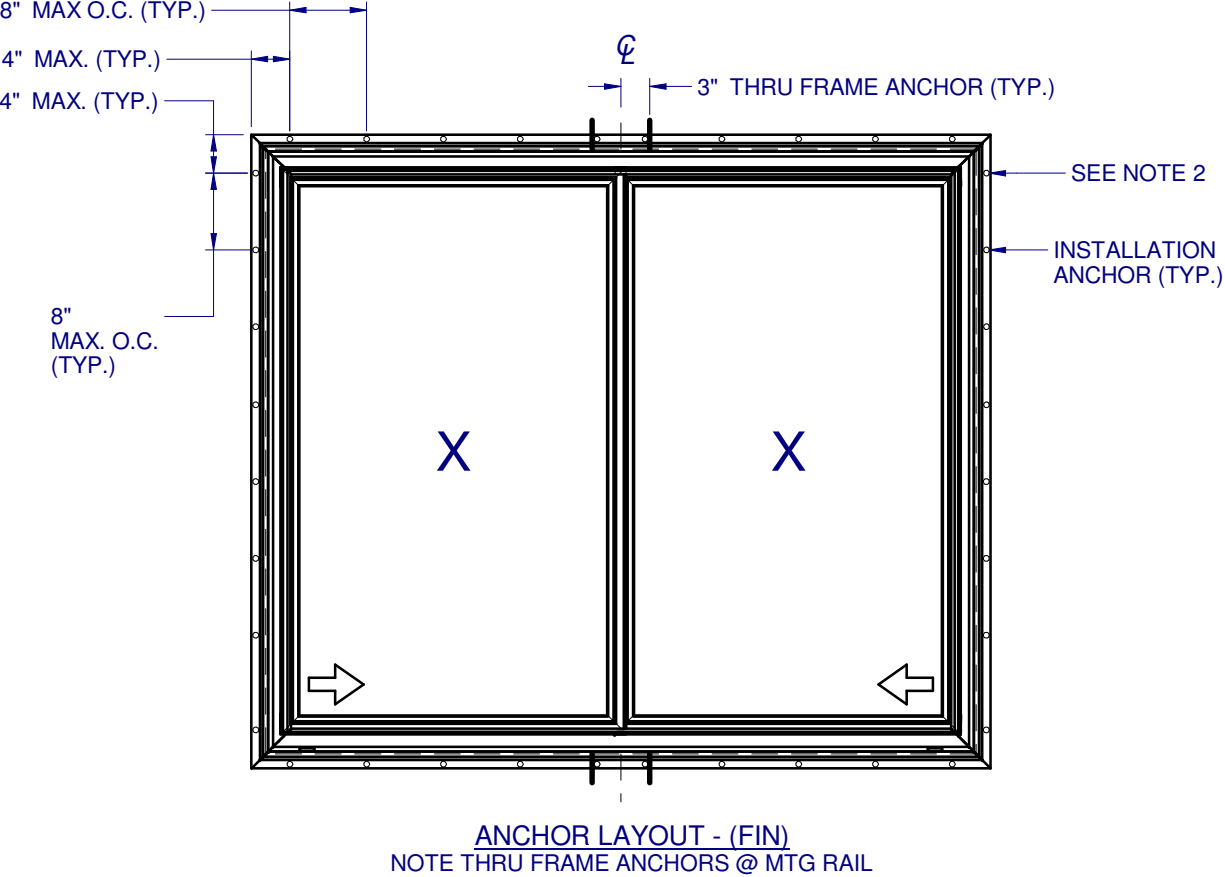
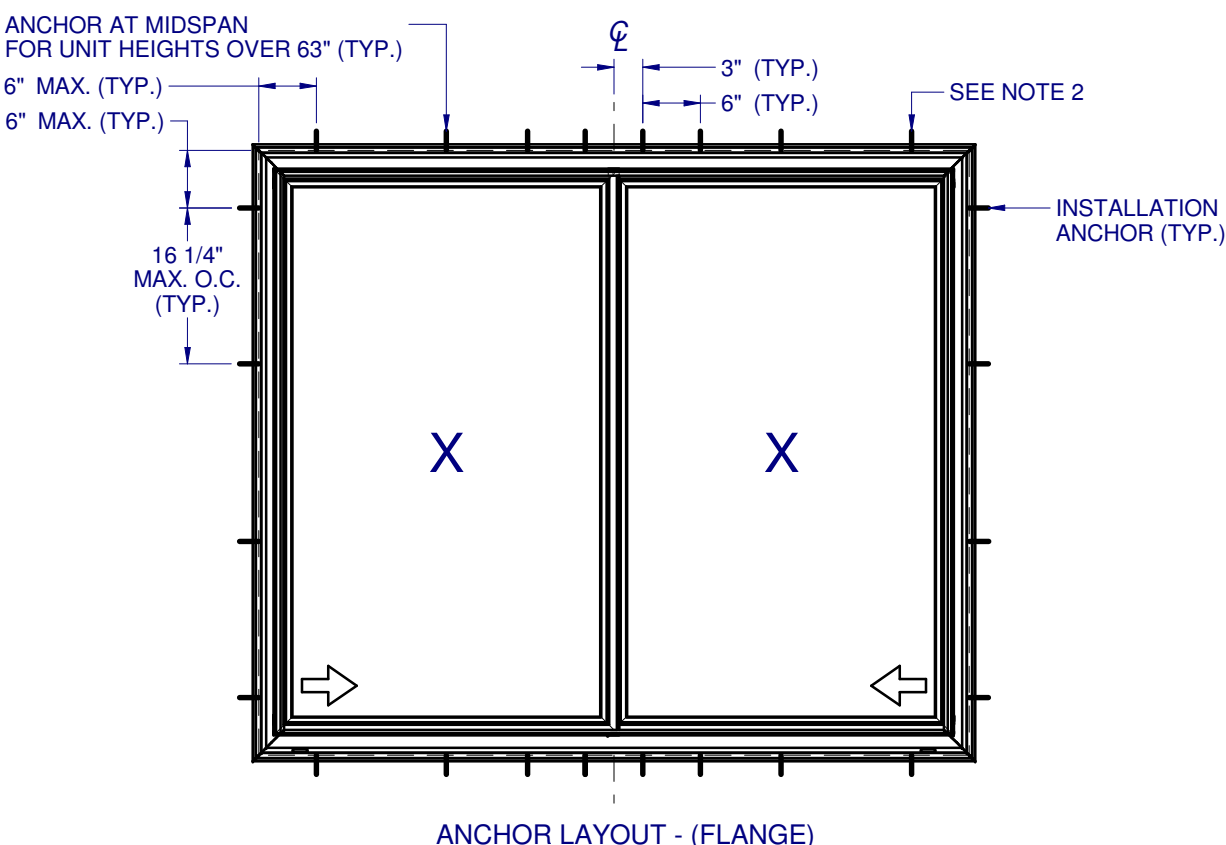


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SHEET DESCRIPTION:

SECTION VIEWS

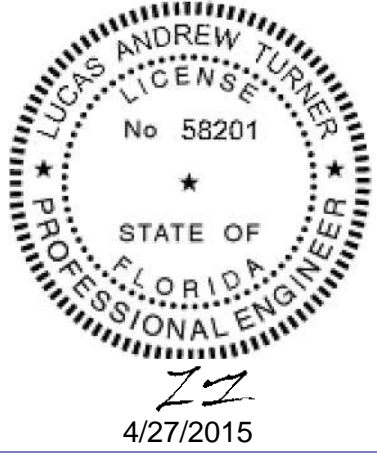
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EMK	04/22/15
DWG #:	REV.:
CWS-1059	-
SCALE:	SHEET
1:2	3 OF 6



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 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 TABLE1, 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)

620 PVC HORIZ. SLIDER NON-IMPACT									
NO.	DESCRIPTION:	BY:	DATE:	REVISIONS					



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PH. 941-380-1574

SHEET DESCRIPTION:	
ANCHOR SCHEDULE AND NOTES	
DRAWN BY:	DATE:
EMK	04/22/15
DWG #:	REV.:
CWS-1059	-
SCALE:	SHEET
1:20	5 OF 6

620 PVC
HORIZ. SLIDER
NON-IMPACT

NO.	DESCRIPTION	BY	DATE	REVISIONS

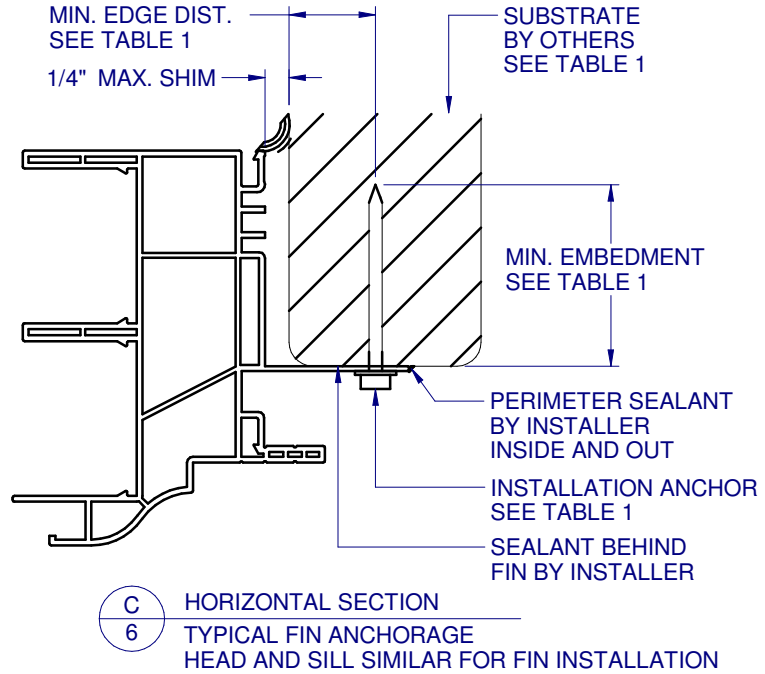
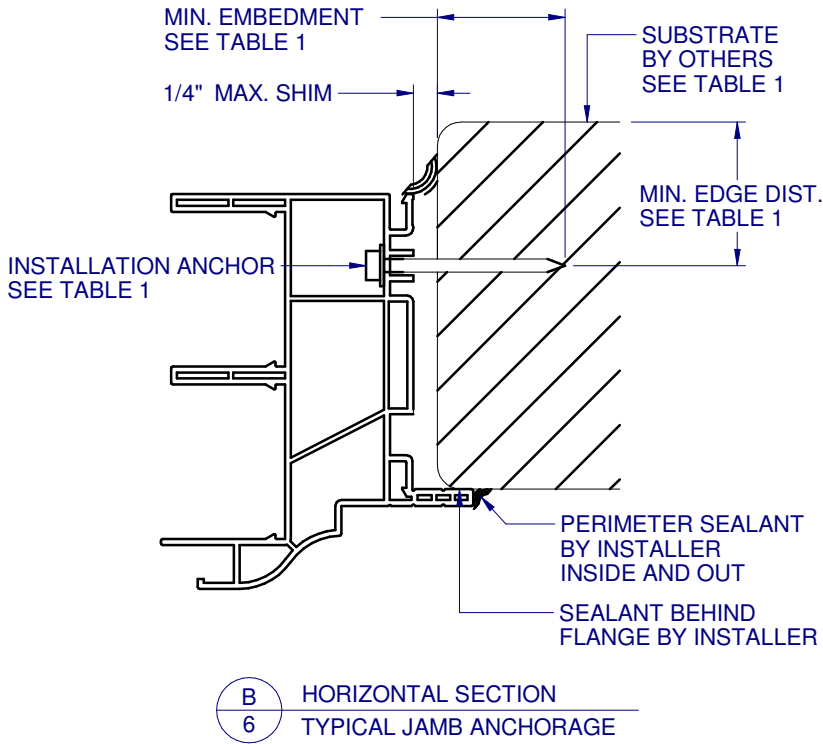
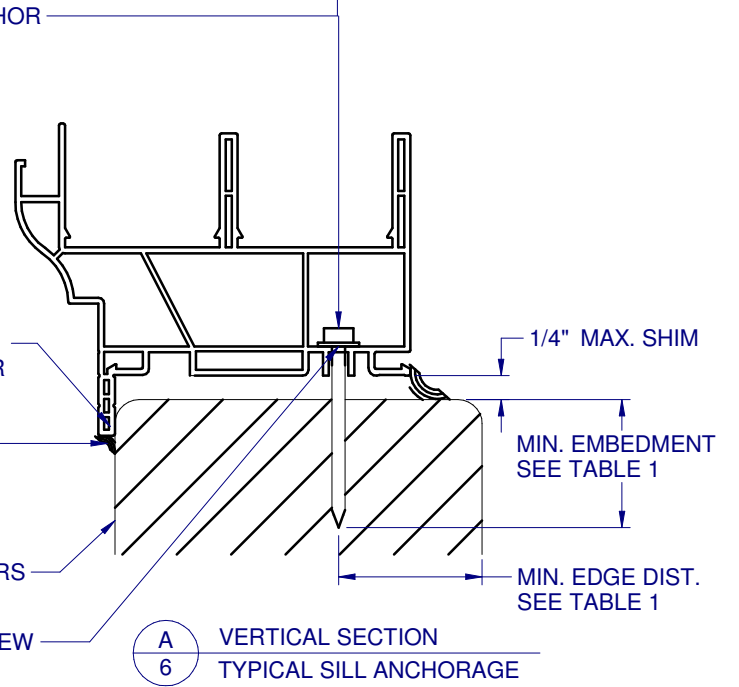
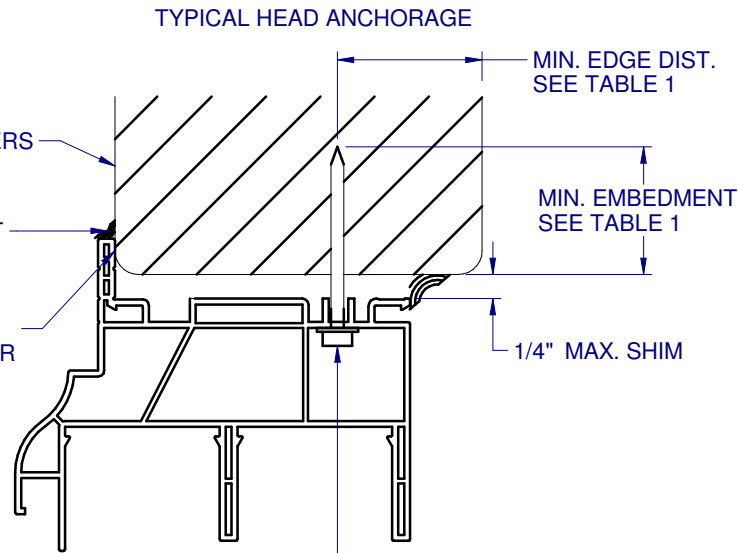


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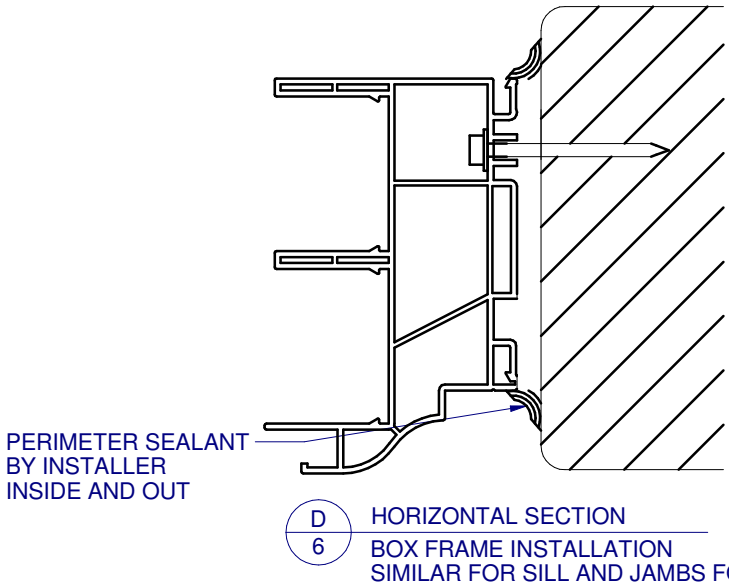
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INSTALLATION DETAILS

DRAWN BY:	DATE:
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DWG #:	REV.:
CWS-1059	-
SCALE:	SHEET
1:2	6 OF 6



NOTE: ADDITIONAL THRU-FRAME ANCHORS
(AS SHOWN IN DET. A/6) REQ'D AT MTG RAIL,
SEE SHEET 5 ANCHOR LAYOUT.



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.

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	HOLLOW or 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 WOOD SCREW	1-3/8"	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 WOOD SCREW	1-1/2"	1/2"



Product Approval
USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > Application Detail

OFFICE OF THE
SECRETARY

FL #
Application Type
Code Version
Application Status

FL13541-R14
Editorial Change
2017
Approved

* Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the FOC and/or the Commission if necessary.

Comments
Archived



Product Manufacturer
Address/Phone/Email

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Technical Representative
Address/Phone/Email

JELD-WEN Corporate Customer Service
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(800) 535-3936
customerserviceagents@jeld-wen.com

Quality Assurance Representative
Address/Phone/Email

Category
Subcategory

Exterior Doors
Swinging Exterior Door Assemblies

Compliance Method

Certification Mark or Listing

Certification Agency
Validated By

National Accreditation & Management Institute
National Accreditation & Management Institute

Referenced Standard and Year (of Standard)

Standard	Year
AAMA 1304	2002
ASTM E283	2004
ASTM E330	2002
TAS 202	1994

Equivalence of Product Standards
Certified By

Product Approval Method

Method 1 Option A

Date Submitted02/01/2018

Date Validated02/02/2018

Date Pending FBC Approval

Date Approved02/07/2018

Summary of Products		
FL #	Model, Number or Name	Description
13541.1	A. Design Pro / Smooth Pro / Studio Fiberglass	Single (X) Opaque Fiberglass Door, 3'-0" x 6'-8" and 3'-0" x 8'-0", Inswing and Outswing
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other:		Certification Agency Certificate EL13541_R14_C_CAC_NI011906.01-R7.pdf EL13541_R14_C_CAC_NI011906-R6.pdf Quality Assurance Contract Expiration Date 03/30/2026 Installation Instructions EL13541_R14_IL_A010831A_SS_2014-09-26.pdf Verified By: Hermes F. Norero 73778 Created by Independent Third Party: Yes Evaluation Reports EL13541_R14_AE_PER2742_SS_2014-09-26.pdf Created by Independent Third Party: Yes
13541.2	B. Design Pro / Smooth Pro Fiberglass	Single (X) Glazed Fiberglass Door, 3'-0" x 6'-8" and 3'-0" x 8'-0", Inswing and Outswing
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other:		Certification Agency Certificate EL13541_R14_C_CAC_NI011921.01-R6.pdf EL13541_R14_C_CAC_NI011921-R7.pdf Quality Assurance Contract Expiration Date 03/30/2026 Installation Instructions EL13541_R14_IL_A010832A_SS_2014-09-26.pdf Verified By: Hermes F. Norero, P.E. 73778 Created by Independent Third Party: Yes Evaluation Reports EL13541_R14_AE_PER2743_SS_2014-09-26.pdf Created by Independent Third Party: Yes
13541.3	C. Design Pro / Smooth Pro / Studio Fiberglass	Double (XX) Opaque Fiberglass Door, 6'-0" x 6'-8" and 6'-0" x 8'-0", Inswing and Outswing
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other:		Certification Agency Certificate EL13541_R14_C_CAC_NI011907.01-R6.pdf EL13541_R14_C_CAC_NI011907-R6.pdf Quality Assurance Contract Expiration Date 03/30/2026 Installation Instructions EL13541_R14_IL_A010833A_SS_2014-09-26.pdf Verified By: Hermes F. Norero 73778 Created by Independent Third Party: Yes Evaluation Reports EL13541_R14_AE_PER2744_SS_2014-09-26.pdf Created by Independent Third Party: Yes
13541.4	D. Design Pro / Smooth Pro Fiberglass	Double (XX) Glazed Fiberglass Door, 6'-0" x 6'-8" and 6'-0" x 8'-0", Inswing and Outswing
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other:		Certification Agency Certificate EL13541_R14_C_CAC_NI011908.01-R7.pdf EL13541_R14_C_CAC_NI011908-R7.pdf Quality Assurance Contract Expiration Date 03/30/2026 Installation Instructions EL13541_R14_IL_A010834A_SS_2014-09-26.pdf Verified By: Hermes F. Norero 73778 Created by Independent Third Party: Yes Evaluation Reports EL13541_R14_AE_PER2745_SS_2014-09-26.pdf Created by Independent Third Party: Yes

13541.5	E. Design Pro / Smooth Pro / Studio Fiberglass	Single with side lite(s) (X,O/ O,X/ O,X,O) Opaque Fiberglass Door, 9'-0" x 6'-8" and 9'-0" x 8'-0", Inswing and Outswing
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other:		
Certification Agency Certificate EL13541_R14_C_CAC_NI011910.01-R7.pdf EL13541_R14_C_CAC_NI011910-R7.pdf Quality Assurance Contract Expiration Date 03/30/2026 Installation Instructions EL13541_R14_IL_A010838A_SS_2014-09-26.pdf Verified By: Hermes F. Norero 73778 Created by Independent Third Party: Yes Evaluation Reports EL13541_R14_AE_PER2746_SS_2014-09-26.pdf Created by Independent Third Party: Yes		

13541.6	F. Design Pro / Smooth Pro Fiberglass	Single with side lite(s) (X,O/ O,X/ O,X,O) Glazed Fiberglass Door, 9'-0" x 6'-8" and 9'-0" x 8'-0", Inswing and Outswing
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other:		
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13541.7	G. Design Pro / Smooth Pro / Studio Fiberglass	Double with side lite(s) (XX,O/ O,XX/ O,XX,O) Opaque Fiberglass Door, 12'-0" x 6'-8" and 12'-0" x 8'-0", Inswing and Outswing
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other:		
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13541.8	H. Design Pro / Smooth Pro Fiberglass	Double with side lite(s) (XX,O/ O,XX/ O,XX,O) Glazed Fiberglass Door, 12'-0" x 6'-8" and 12'-0" x 8'-0", Inswing and Outswing
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other:		
Certification Agency Certificate EL13541_R14_C_CAC_NI011912.01-R7.pdf EL13541_R14_C_CAC_NI011912-R7.pdf Quality Assurance Contract Expiration Date 03/30/2026 Installation Instructions EL13541_R14_IL_A010838A_SS_2014-09-26.pdf Verified By: Hermes F. Norero, P.E. 73778 Created by Independent Third Party: Yes Evaluation Reports EL13541_R14_AE_PER2749_SS_2014-09-26.pdf Created by Independent Third Party: Yes		

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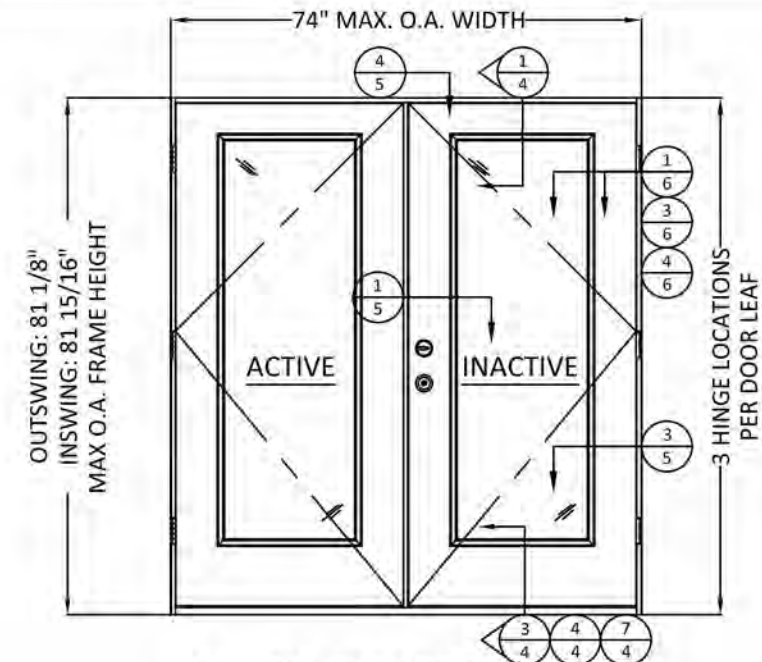
DESIGN PRO / SMOOTH PRO FULL LITE NON-IMPACT

FOR USE OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ)

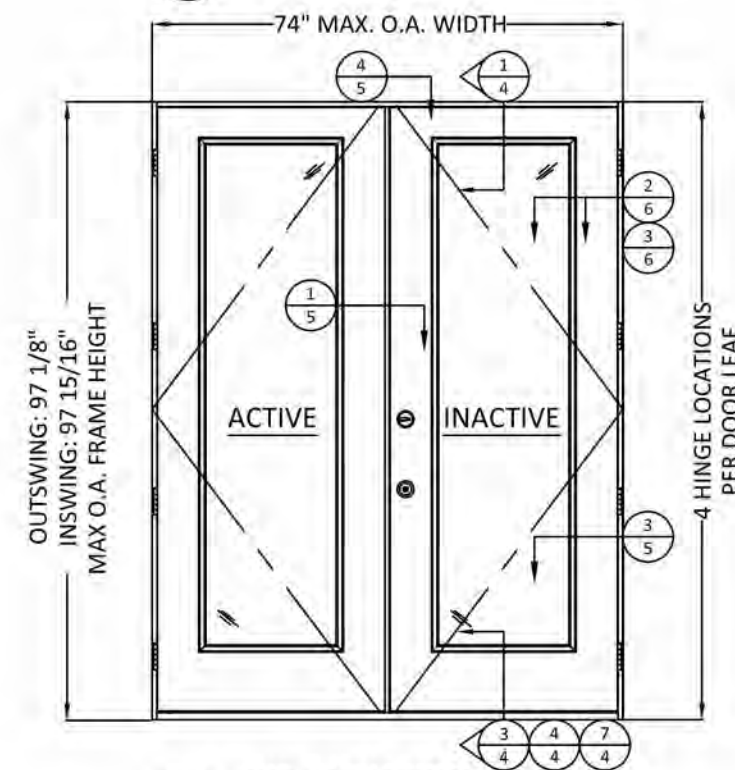
GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT INTERNATIONAL BUILDING CODE (IBC), INTERNATIONAL RESIDENTIAL CODE (IRC), AND FLORIDA BUILDING CODE (FBC), **EXCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - ASTM E330-02
 - ASTM E283-04
 - AAMA 1304-02
 - TAS 202-94
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY OR 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 6 FOR GLAZING DETAILS.
- FULL LITE APPROVAL COVERS USE OF FRACTIONAL GLAZING, INCLUDING INTERNAL GRID, BLINDS BETWEEN GLASS, DECORATIVE, AND EXTERNAL AND INTERNAL WROUGHT IRON. RADIUS (SHAPED) LITES ARE QUALIFIED FOR 6'-8" DOORS AT DP +/-50 PSF ONLY.
- NOTE: AFCO H-497 SILL MEETS WATER INFILTRATION AT WATER TEST PRESSURE (WTP) OF 9.0 PSF. REMAINING SILLS NOT RATED FOR WATER INFILTRATION. IF AUTHORITY HAVING JURISDICTION REQUIRES THAT PRODUCT MEETS THIS REQUIREMENT, PRODUCT SHALL BE USED WHEN INSTALLED AT LOCATION PROTECTED BY OVERHANG SUCH THAT OVERHANG (OH) RATIO = OH LENGTH ÷ OH HEIGHT IS ≥ 1.0

TABLE OF CONTENTS		
SHEET	REVISION	SHEET DESCRIPTION
1	B	TYPICAL ELEVATIONS, DESIGN PRESSURES, AND GENERAL NOTES
2	A	TYPICAL ANCHOR LAYOUTS AND NOTES
3	A	OPTIONAL 2X BUCK ANCHORING DETAILS
4	A	VERTICAL ASSEMBLIES
5	A	HORIZONTAL ASSEMBLIES
6	A	GLAZING DETAILS
7	A	WOOD SUBSTRATES
8	A	CONCRETE SUBSTRATES
9	A	COMPONENTS & BILL OF MATERIALS



1 TYP. ELEVATION 1
6'-8" DOOR HEIGHT



2 TYP. ELEVATION 2
8'-0" DOOR HEIGHT

NOTE:
INACTIVE AND ACTIVE DOOR PANEL
ORIENTATION IS INTERCHANGEABLE.

CONFIGURATION	MAX. OVERALL NOMINAL SIZE		DESIGN PRESSURE (PSF)				MISSILE IMPACT RATING
	WIDTH	HEIGHT	INSWING		OUTSWING		
			POS.	NEG.	POS.	NEG.	
XX	6'-0"	6'-8"	50*	50	50*	50	NON-IMPAC
XX RADIUS	6'-0"	6'-8"	50*	50	50*	50	NON-IMPAC
XX	6'-0"	8'-0"	50*	50	50*	50	NON-IMPAC

*SEE GENERAL NOTE 7, SHEET 1, FOR WATER INFILTRATION APPROVED SILLS.

PREPARED BY:



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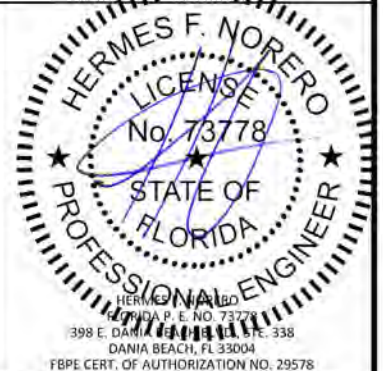
TITLE: DESIGN PRO/SMOOTH PRO FULL LITE
NON-IMPACT
TYPICAL ELEVATIONS, DESIGN
PRESSURES, AND GENERAL NOTES

3737 LAKEPORT BLVD.,
KLAMATH FALLS, OR 97601
PH: (541)882-3451
FAX: (541)850-2609



REMARKS	BY	DATE
Add Multi-Point Lock	GL	06/12/14
Add TAS 202-94 Standard	SM	09/22/14

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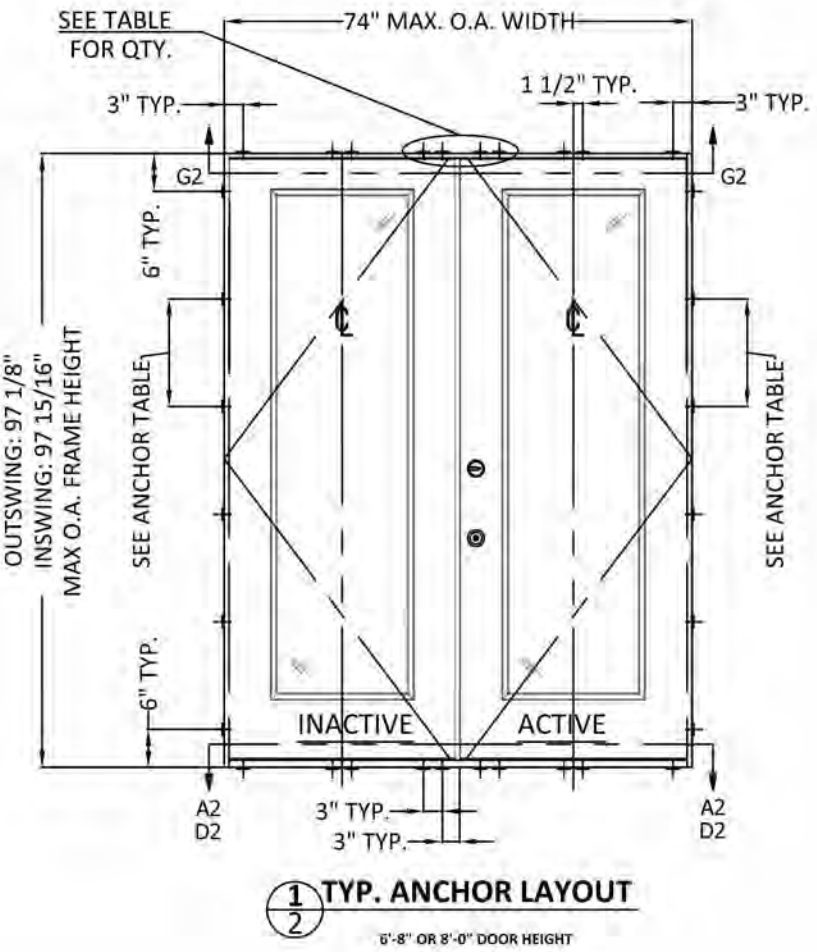
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Reason: I am approving this document
Date: 2014.09.26 14:55:17 -04'00'

DATE:	02.05.14
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DWG. #:	A010834A
SHEET:	OF 9

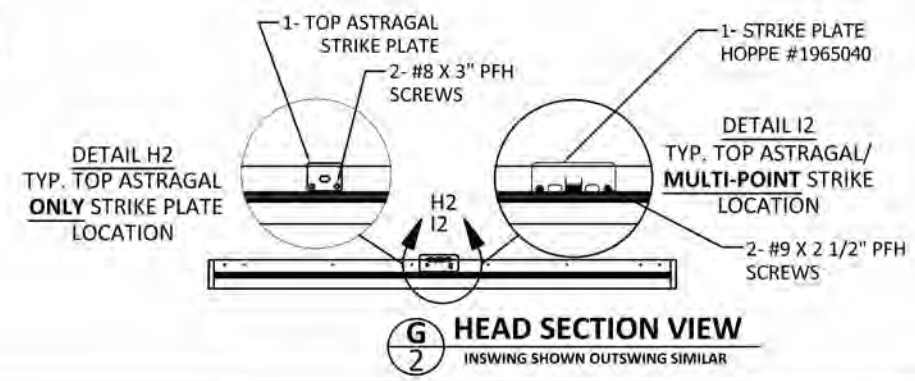
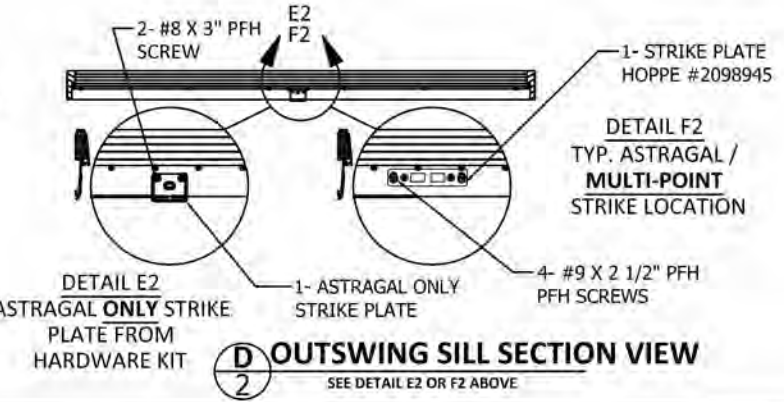
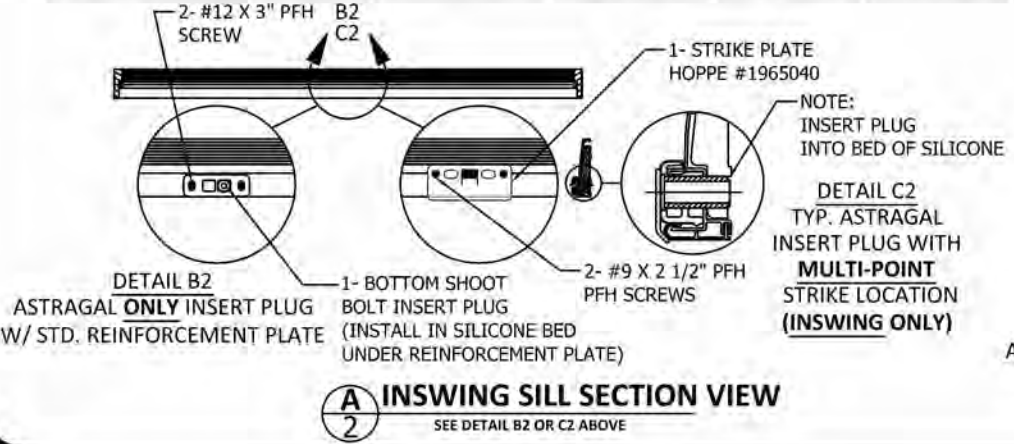
INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE A NON-COMPRESSIBLE COMPOSITE OR BETTER.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING, AND SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- FOR 2X STUD CONSTRUCTION, ANCHORING OF THESE PRODUCTS SHALL BE THE SAME AS FOR 2X BUCK CONCRETE/MASONRY CONSTRUCTION.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - GROUT-FILLED CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.
 - HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
- SEE SHEETS 7 AND 8 FOR MORE DETAILS OF THE INSTALLATION REQUIREMENTS, INCLUDING ANCHOR LOCATIONS, EDGE DISTANCES, EMBEDMENTS, AND SHIM SPACING.
- OPTIONALLY, ANCHORS CAN BE PLACED IN NARROW SECTION OF HEAD OR JAMB AS LONG AS MINIMUM EMBEDMENT AND EDGE DISTANCE ARE ACHIEVED.

ANCHOR TABLE								
ANCHOR TYPE	ANCHOR SIZE	SUBSTRATE	MIN. EMBEDMENT	MIN. EDGE DISTANCE	6'8" DOORS		8'0" DOORS	
					MAX. O.C. SPACING AT JAMBS	# OF ANCHORS AT HEAD/SILL CLUSTERS	MAX. O.C. SPACING AT JAMBS	# OF ANCHORS AT HEAD/SILL CLUSTERS
WOOD SCREW	#10	2X WOOD BUCK OR FRAMING	1-1/2"	3/4"	17-1/2"	4	17-1/4"	4
ITW TAPCON	3/16"	CONCRETE/CMU	1-1/4"	2-1/2"	17-1/2"	4	17-1/4"	4
ELCO ULTRACON	1/4"	CONCRETE/CMU	1-3/8" - CONC. 1-1/4" - CMU	1"	17-1/2"	4	17-1/4"	4
ITW TAPCON	3/16"	CONCRETE/CMU	1-1/4"	1"	11-5/8"	8	14-3/8"	6



NOTE:
INACTIVE AND ACTIVE DOOR PANEL
ORIENTATION IS INTERCHANGEABLE.



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TITLE: DESIGN PRO/SMOOTH PRO FULL LITE
NON-IMPACT

ANCHOR LAYOUTS AND NOTES

3737 LAKEPORT BLVD.,
KLAMATH FALLS, OR 97601
PH: (541)882-3451
FAX: (541)850-2609

REMARKS	BY	DATE
Add Multi-Point Lock	GL	06/12/14

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HERMES F. NORERO
LICENSE
No. 73778
STATE OF FLORIDA
PROFESSIONAL ENGINEER

HERMES F. NORERO
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 29578

DATE:	02.05.14
DWG. BY:	GL/TJM
CHK. BY:	SS/MSS
SCALE:	NTS
DWG. #:	A010834A
SHEET:	OF 9

PREPARED BY:



BUILDING DROPS, INC.

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TITLE: DESIGN PRO/SMOOTH PRO FULL LITE
NON-IMPACT
OPTIONAL 2X BUCK
ANCHORING DETAILS

3737 LAKEPORT BLVD.,
KLAMATH FALLS, OR 97601
PH: (541)882-3451
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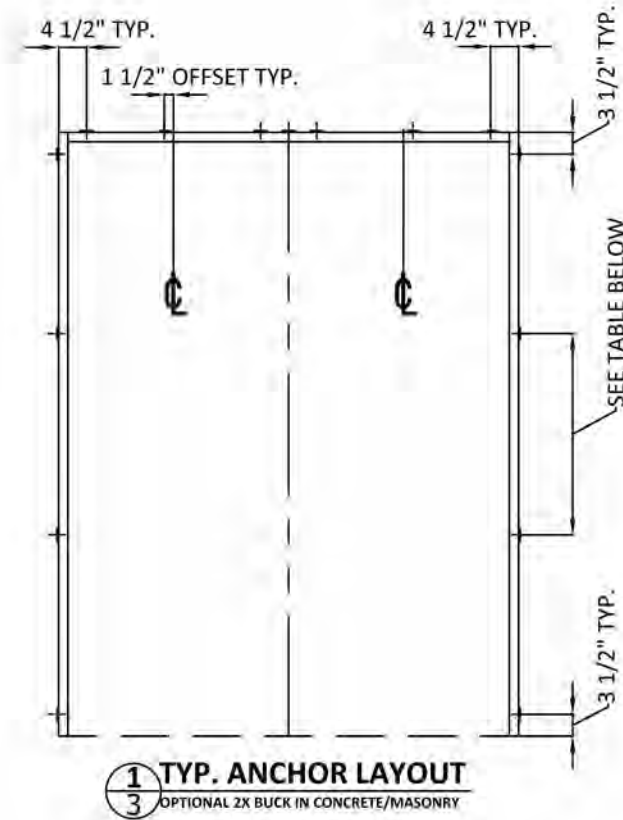
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CHK. BY: SS/MSS

SCALE: NTS

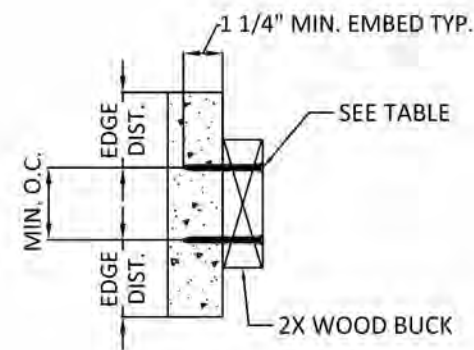
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SHEET: OF 9

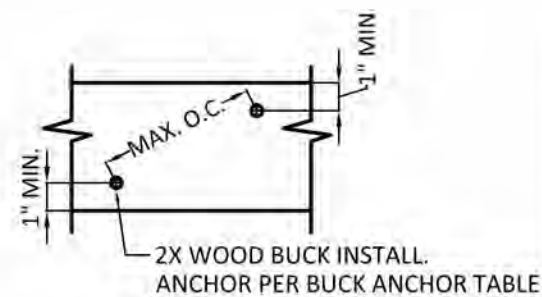
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1
3 TYP. ANCHOR LAYOUT
OPTIONAL 2X BUCK IN CONCRETE/MASONRY



3
3 2X WOOD BUCK INSTALL.
CROSS SECTION

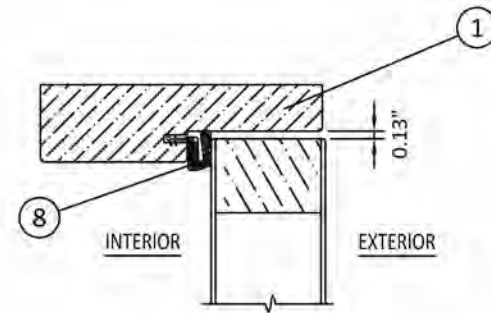


4
3 2X WOOD BUCK INSTALL.
SIDE VIEW

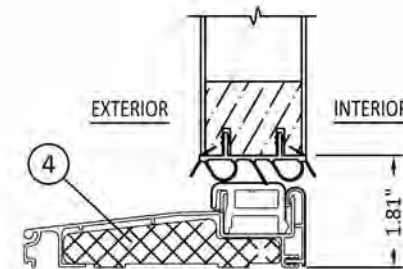
2X BUCK ANCHOR TABLE							
ANCHOR TYPE	ANCHOR SIZE	SUBSTRATE	MIN. EMBEDMENT	MIN. EDGE DIST. TO SUBSTRATE	MIN. CENTER TO CENTER DISTANCE	6'8" DOORS	8'0" DOORS
						MAX. O.C. SPACING AT JAMBS	MAX. O.C. SPACING AT JAMBS
ITW TAPCON	1/4"	CONCRETE/CMU	1-1/4"	2-1/2"	4"	25"	30-1/4"
ELCO ULTRACON	1/4"	CONCRETE/CMU	1-3/8" - CONC. 1-1/4" - CMU	1"	4"	25"	30-1/4"

NOTES:

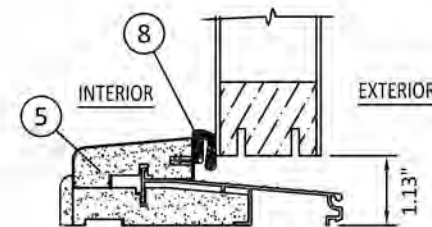
- 2X BUCK IS NOT FOR INSTALLATION AT SILL. THRESHOLD SHALL BE FASTENED IN ACCORDANCE WITH ANCHOR LOCATIONS SHOWN ON SHEET 2.
- ANCHORS MAY BE STAGGERED AS SHOWN IN DETAIL 4/3.



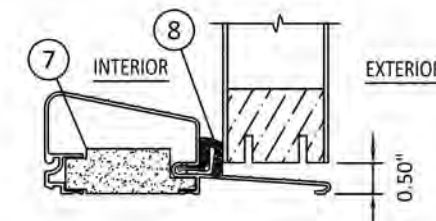
1
4 **OPERABLE HEAD**
OUTSWING SHOWN - INSWING SIMILAR



3
4 **OPERABLE SILL**
INSWING
ENDURA ZAIL4565F



4
4 **OPERABLE SILL**
OUTSWING
AFCO J-2297



7
4 **OPERABLE SILL**
OUTSWING
OPTIONAL AFCO H-497

PREPARED BY:



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VERTICAL ASSEMBLIES

3737 LAKEPORT BLVD.,
KLAMATH FALLS, OR 97601
PH: (541)882-3451
FAX: (541)850-2609

JELD-WEN
WINDOWS & DOORS

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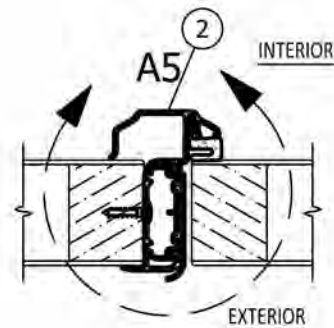
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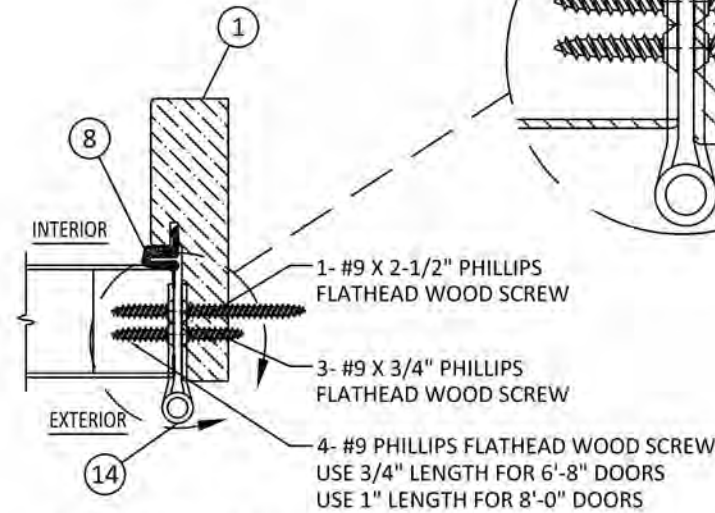
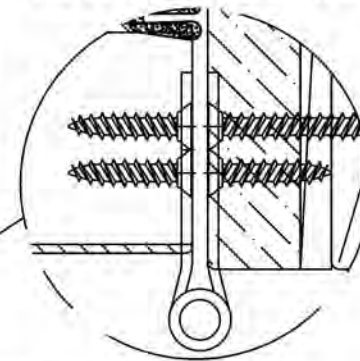
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SHEET: OF 9



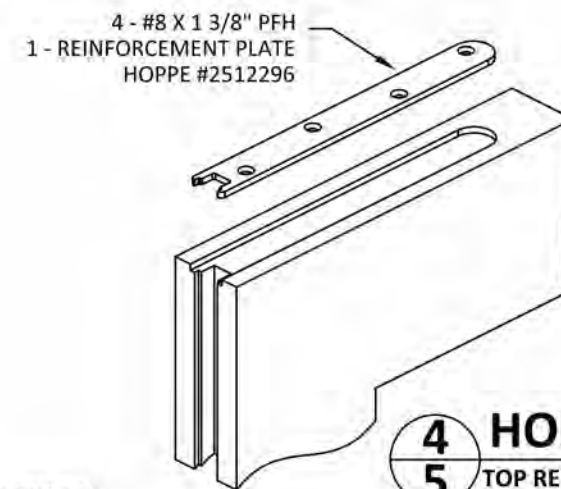
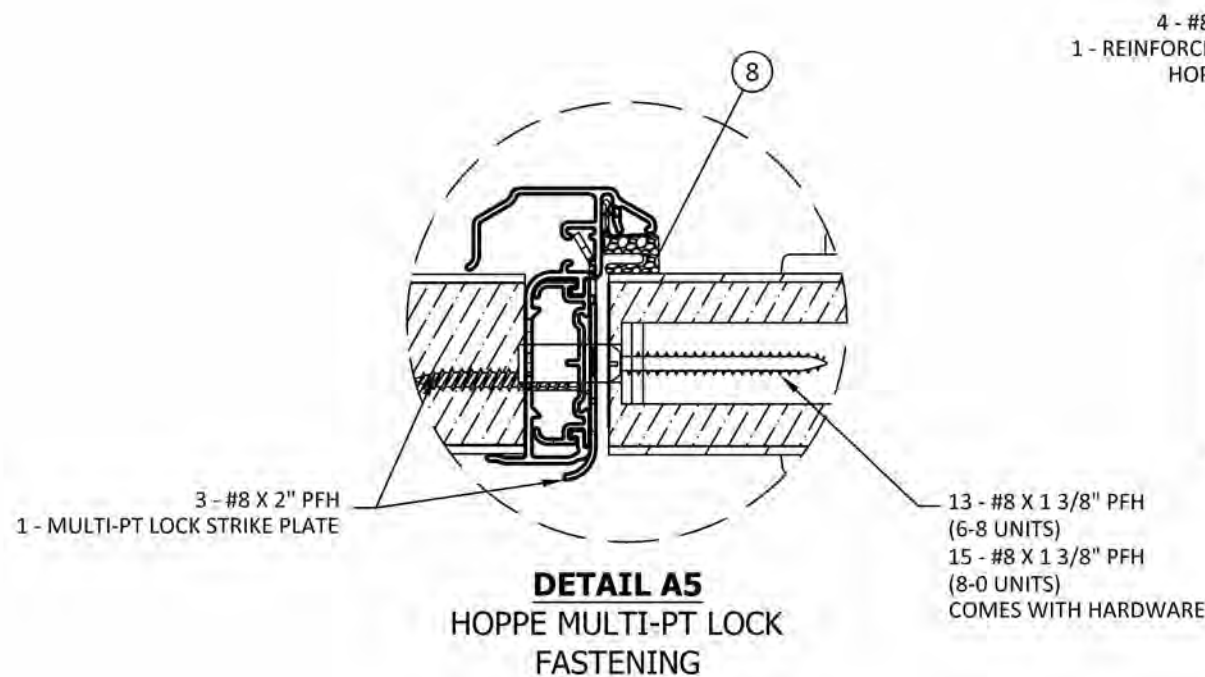
HINGE SCHEDULE	
DOOR HEIGHT	QUANTITY
6'-8"	3
8'-0"	4

HINGE DETAIL AT JAMB:
PLACE #9 X 2-1/2" PFH SCREW NEXT TO WEATHERSTRIP



1 5 MEETING STILE OUTSWING SHOWN - INSWING SIMILAR

3 5 HINGE JAMB OUTSWING SHOWN - INSWING SIMILAR



4 5 HOPPE MULTI-POINT LOCK TOP REINFORCEMENT PLATE - ACTIVE PANEL ONLY

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TITLE:
DESIGN PRO/SMOOTH PRO FULL LITE
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HORIZONTAL ASSEMBLIES

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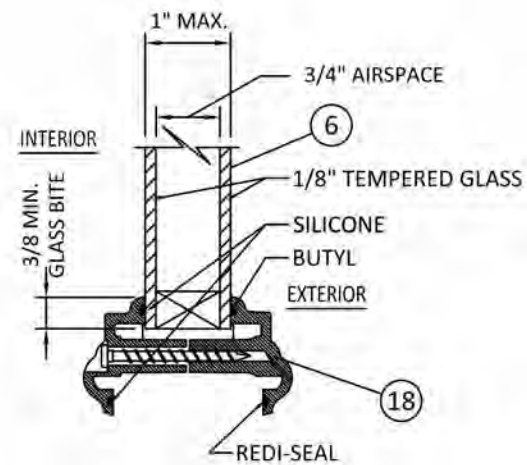
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WINDOWS & DOORS

REMARKS	BY	DATE
Add Multi-Point Lock	GL	06/12/14

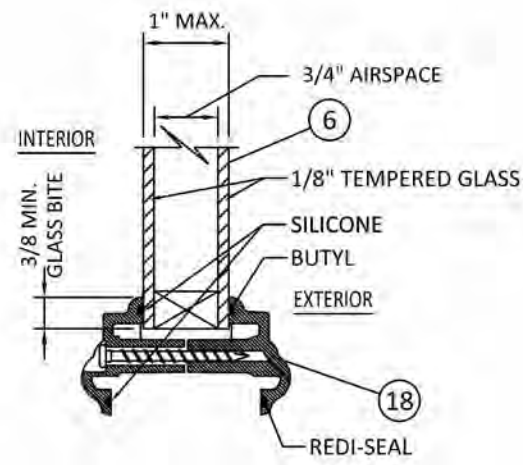
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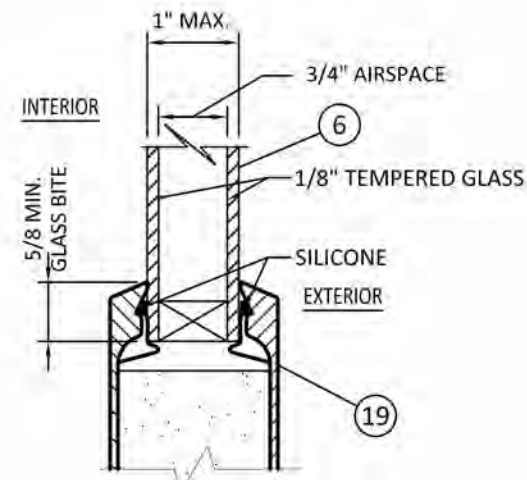
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DWG. BY: GL/TJM
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SCALE: NTS
DWG. #: A010834A
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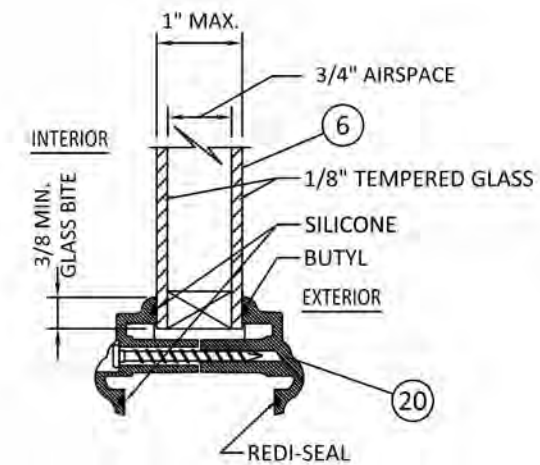
1 **6'-8" GLAZING DETAIL**
6 20 1/2" MAX. D.L.O. WIDTH
 62 1/2" MAX. D.L.O. HEIGHT



2 **8'-0" GLAZING DETAIL**
6 20 1/2" MAX. D.L.O. WIDTH
 78 1/2" MAX. D.L.O. HEIGHT




3 **FLUSH GLAZE DETAIL**
6 23 7/8" MAX. D.L.O. WIDTH
 78 7/8" MAX. D.L.O. HEIGHT



4 **GLAZING DETAIL**
6 FOR OVAL, SUNBURST, AND ROUND TOPS
 ONLY IN 6'8" UNITS AT DP+/- 50 PSF

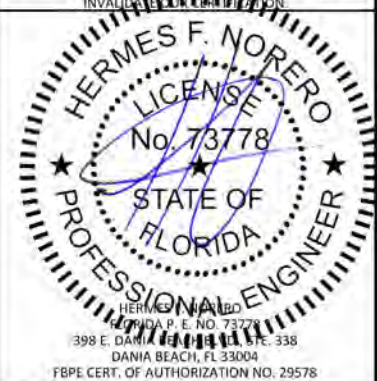
NOTE:
 FRACTIONAL GLAZING, INCLUDING INTERNAL GRID, BLINDS
 BETWEEN GLASS, DECORATIVE, EXTERNAL AND INTERNAL
 WROUGHT IRON AND RADIUS (SHAPED) LITES ARE APPROVED
 IN ALL GLAZING DETAILS SHOWN ABOVE.

TITLE: DESIGN PRO/SMOOTH PRO FULL LITE
 NON-IMPACT
 GLAZING DETAILS

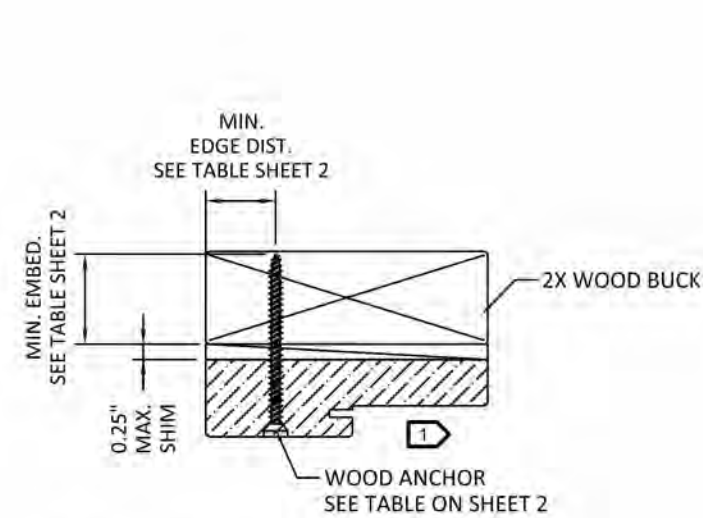
3737 LAKEPORT BLVD.,
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 FAX: (541)850-2609


REMARKS	BY	DATE
Add Multi-Point Lock	GL	06/12/14

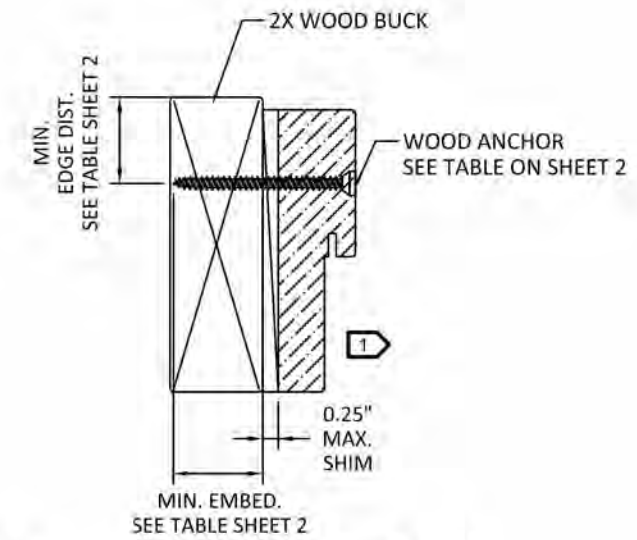
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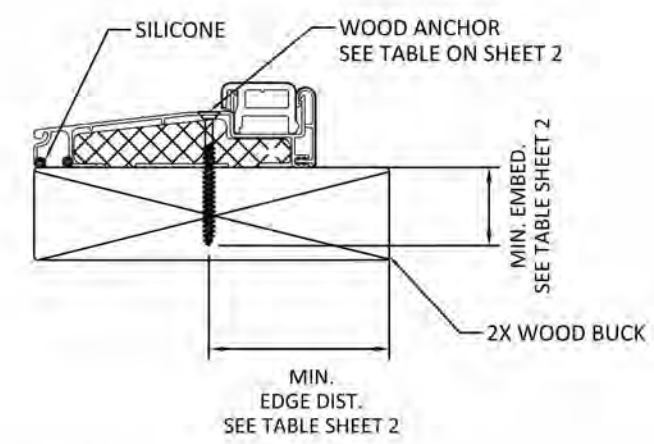
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 CHK. BY: SS/MSS
 SCALE: NTS
 DWG. #: A010834A
 SHEET: OF 9



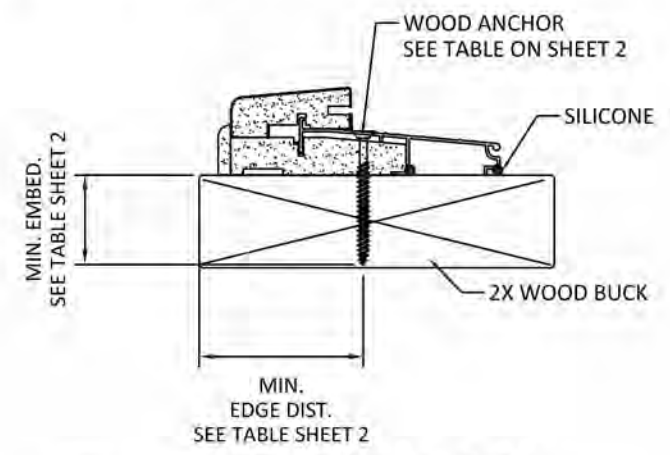
1
7 **HEAD (TYPICAL)**
OUTSWING SHOWN - INSWING SIMILAR



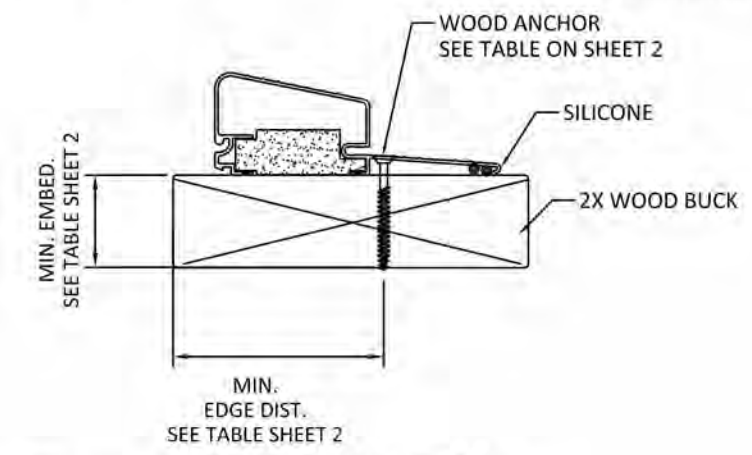
2
7 **JAMB (TYPICAL)**
OUTSWING SHOWN - INSWING SIMILAR



3
7 **OPERABLE SILL**
INSWING
ENDURA ZAIL4565F



4
7 **OPERABLE SILL**
OUTSWING
AFco J-2297



7
7 **OPERABLE SILL**
HIGH BUMP OUTSWING
AFco H-497

1 OPTIONALLY, ANCHOR CAN BE PLACED IN NARROW SECTION OF HEAD OR JAMB AS LONG AS MINIMUM EMBEDMENT AND EDGE DISTANCE ARE ACHIEVED.

TITLE: **DESIGN PRO/SMOOTH PRO FULL LITE NON-IMPACT WOOD INSTALLATION**

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FAX: (541)850-2609

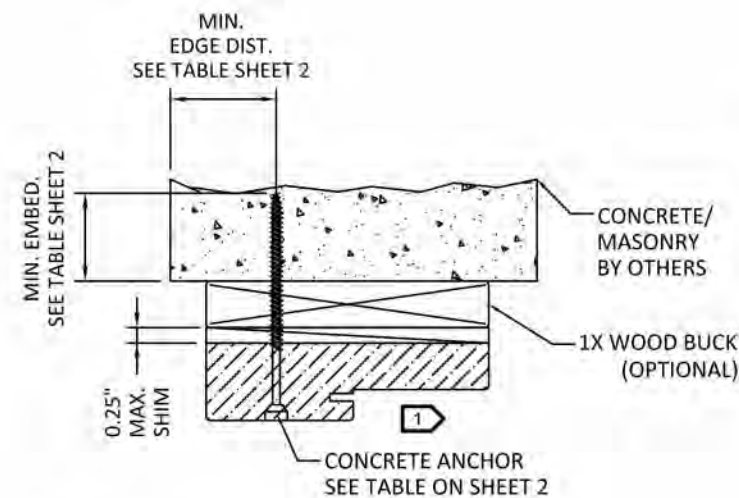
JELD-WEN
WINDOWS & DOORS

REMARKS	BY	DATE
Add Multi-Point Lock	GL	06/12/14

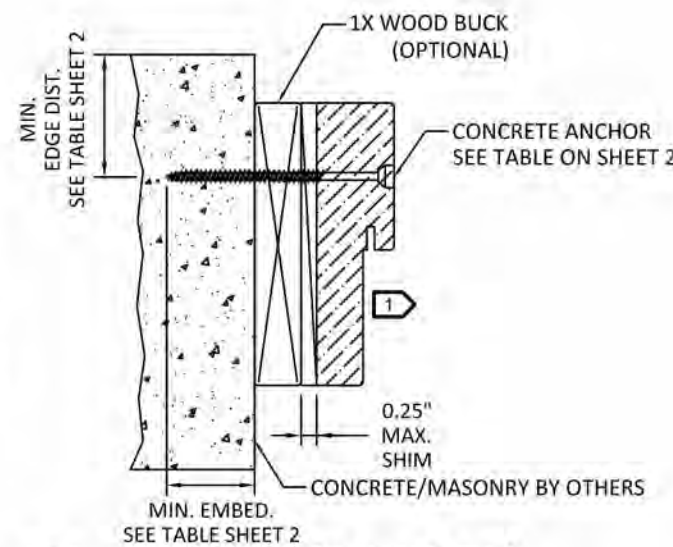
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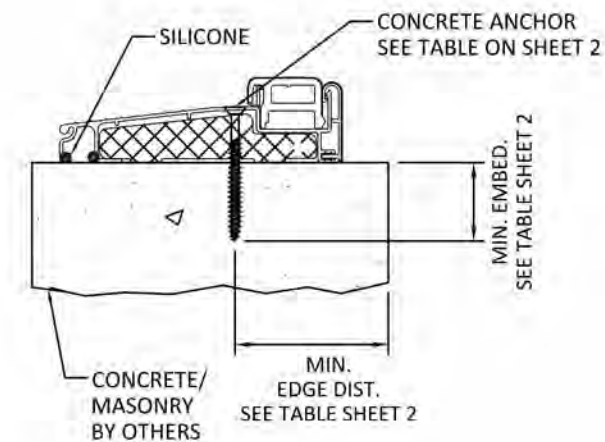
DATE: 02.05.14	
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SCALE: NTS	
DWG. #: A010834A	
SHEET: OF 9	



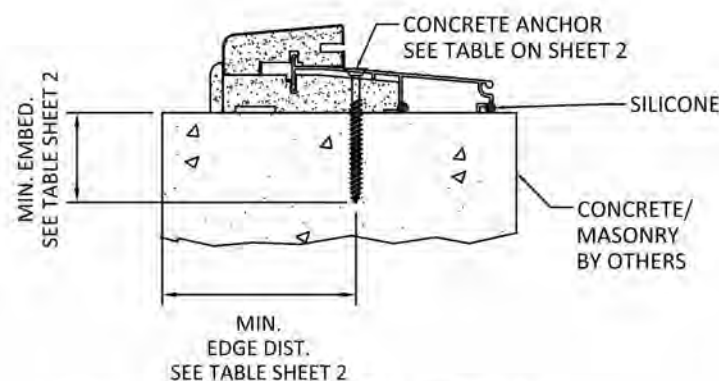
1
8 **HEAD (TYPICAL)**
OUTSWING SHOWN - INSWING SIMILAR



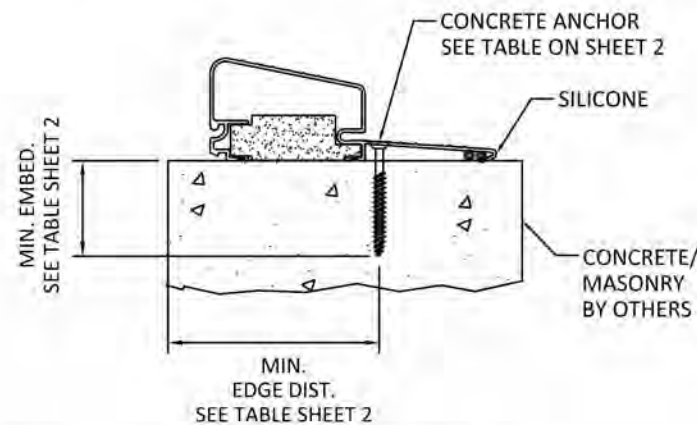
2
8 **JAMB (TYPICAL)**
OUTSWING SHOWN - INSWING SIMILAR



3
8 **OPERABLE SILL**
INSWING
ENDURA ZAIL4565F



4
8 **OPERABLE SILL**
OUTSWING
AFco J-2297



7
8 **OPERABLE SILL**
HIGH BUMP OUTSWING
AFco H-497

1 OPTIONALLY, ANCHOR CAN BE PLACED IN NARROW SECTION OF HEAD OR JAMB AS LONG AS MINIMUM EMBEDMENT AND EDGE DISTANCE ARE ACHIEVED.

PREPARED BY:



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TITLE: DESIGN PRO/SMOOTH PRO FULL LITE
NON-IMPACT

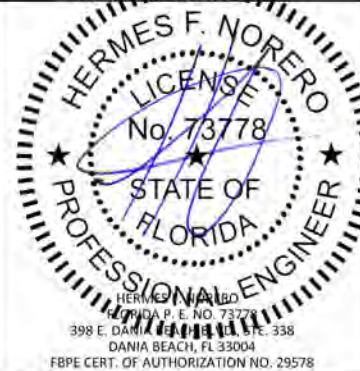
CONCRETE INSTALLATION

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KIAMATH FALLS, OR 97601
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FAX: (541)850-2609

JELD-WEN
WINDOWS & DOORS

REMARKS	BY	DATE
Add Multi-Point Lock	GL	06/12/14

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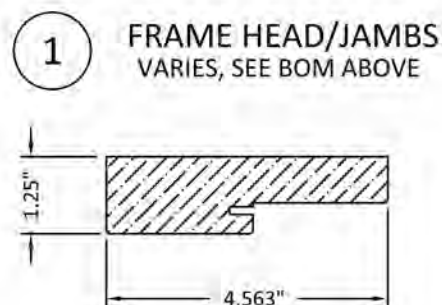
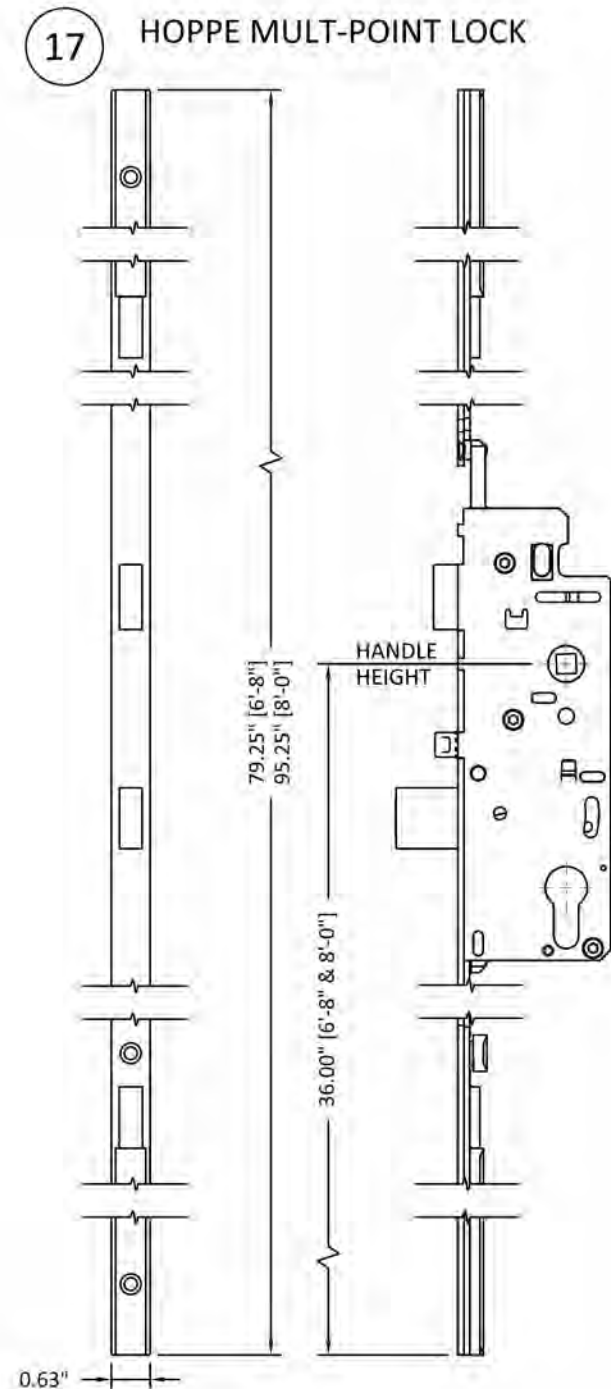
SCALE: NTS

DWG. #: A010834A

SHEET: OF 9

8

BILL OF MATERIALS		
ITEM#	DESCRIPTION	MATERIAL
1	FRAME HEAD/JAMBS	FINGER-JOINTED PINE
		SOLID PINE
		LAMINATED VENEER LUMBER
		COMPOSITE
2	ASTRAGAL, ENDURA ULTIMATE HURRICANE (SEE SHEET 2 FOR HARDWARE AND FASTENING DETAILS)	6063-T6 ALUMINUM
3	(NOT USED)	-
4	ENDURA ZAIL4565F THRESHOLD	-
5	AFCO J-2297 THRESHOLD	-
6	1" O.A. IG TEMPERED NON-IMPACT GLASS	-
7	AFCO H-497 THRESHOLD	-
8	WEATHERSTRIP	URETHANE FOAM & POLYETHYLENE
9	NON-COMPRESSION SHIM (0.25" MAX. THK.)	COMPOSITE
10	2X WOOD (S.G. MUST BE 0.55 OR GREATER)	WOOD
11	1X WOOD (S.G. MUST BE 0.55 OR GREATER)	WOOD
12	#10 WOOD INSTALLATION SCREW W/ 1 1/2" MIN. EMBEDMENT	STEEL
13	CONC./CMU ANCHOR (SEE ANCHOR TABLE SHEETS 2 & 3)	STEEL
14	BUTT HINGE (SEE SCHEDULE SHEET 5)	-
15	KWIKSET LOCK SERIES 400	STEEL
16	KWIKSET DEADBOLT SERIES 780	STEEL
17	HOPPE MULTI-POINT HARDWARE HLS9000 (SEE SHEET 2 FOR HARDWARE AND FASTENING DETAILS)	STEEL
18	ODL LIPLITE KIT (NI)	PLASTIC
19	FLUSH GLAZING LEG	FIBERGLASS
20	ODL LIPLITE KIT (RADIUS LITES)	PLASTIC



PREPARED BY:



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TITLE: DESIGN PRO/SMOOTH PRO FULL LITE
NON-IMPACT

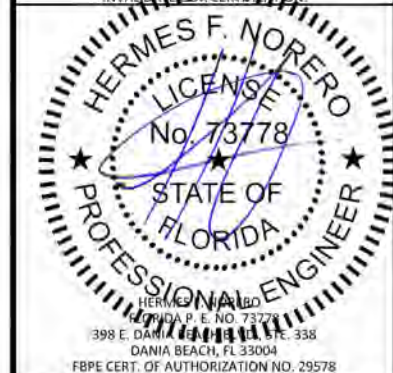
COMPONENTS AND BILL OF MATERIALS

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FAX: (541)850-2609

JELD-WEN
WINDOWS & DOORS

REMARKS	BY	DATE
Add Multi-Point Lock	GL	06/12/14

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CHK. BY: SS/MSS

SCALE: NTS

DWG. #: A010834A

SHEET: OF 9



Product Approval
USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > Application List

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Search Criteria

[Refine Search](#)

Code Version	2017	FL#	13541.4
Application Type	ALL	Product Manufacturer	ALL
Category	ALL	Subcategory	ALL
Application Status	ALL	Compliance Method	ALL
Quality Assurance Entity	ALL	Quality Assurance Entity Contract Expired	ALL
Product Model, Number or Name	ALL	Product Description	ALL
Approved for use in HVHZ	ALL	Approved for use outside HVHZ	ALL
Impact Resistant	ALL	Design Pressure	ALL
Other	ALL		ALL

Search Results - Applications

FL#	Type	Manufacturer	Validated By	Status
EL13541-R15	Editorial Change	JELD-WEN FL# : FL13541.4 Model: D. Design Pro / Smooth Pro Fiberglass Description: Double (XX) Glazed Fiberglass Door, 6'-0" x 6'-8" and 6'-0" x 8'-0", Inswing and Outswing Category: Exterior Doors Subcategory: Swinging Exterior Door Assemblies	National Accreditation & Management Institute (804) 684-5124	Approved *

* Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.

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Product Approval Accepts:





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FL #
Application Type
Code Version
Application Status

FL13541-R15
Editorial Change
2017
Approved

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Comments
Archived



Product Manufacturer
Address/Phone/Email

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3737 Lakeport Blvd
Klamath Falls, OR 97601
(800) 535-3936
fbct1@jeld-wen.com

Authorized Signature

Rylee Sumner Fricks
fbct1@jeld-wen.com

Technical Representative
Address/Phone/Email

JELD-WEN Corporate Customer Service
3737 Lakeport Blvd.
Klamath Falls, OR 97601
(800) 535-3936
customerserviceagents@jeld-wen.com

Quality Assurance Representative
Address/Phone/Email

Category
Subcategory

Exterior Doors
Swinging Exterior Door Assemblies

Compliance Method

Certification Mark or Listing

Certification Agency
Validated By

National Accreditation & Management Institute
National Accreditation & Management Institute

Referenced Standard and Year (of Standard)

Standard	Year
AAMA 1304	2002
ASTM E283	2004
ASTM E330	2002
TAS 202	1994

Equivalence of Product Standards
Certified By

Product Approval Method

Method 1 Option A

Date Submitted05/21/2019

Date Validated05/22/2019

Date Pending FBC Approval

Date Approved05/30/2019

Summary of Products		
FL #	Model, Number or Name	Description
13541.1	A. Design Pro / Smooth Pro / Studio Fiberglass	Single (X) Opaque Fiberglass Door, 3'-0" x 6'-8" and 3'-0" x 8'-0", Inswing and Outswing
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other:		Certification Agency Certificate EL13541_R15_C_CAC_NI011906.01-R11.pdf EL13541_R15_C_CAC_NI011906-R10.pdf Quality Assurance Contract Expiration Date 03/30/2026 Installation Instructions EL13541_R15_II_A010831A_SS_2014-09-26.pdf Verified By: Hermes F. Norero 73778 Created by Independent Third Party: Yes Evaluation Reports EL13541_R15_AE_PER2742_SS_2014-09-26.pdf Created by Independent Third Party: Yes
13541.2	B. Design Pro / Smooth Pro Fiberglass	Single (X) Glazed Fiberglass Door, 3'-0" x 6'-8" and 3'-0" x 8'-0", Inswing and Outswing
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other:		Certification Agency Certificate EL13541_R15_C_CAC_NI011921.01-R10.pdf EL13541_R15_C_CAC_NI011921-R11.pdf Quality Assurance Contract Expiration Date 03/30/2026 Installation Instructions EL13541_R15_II_A010832A_SS_2014-09-26.pdf Verified By: Hermes F. Norero, P.E. 73778 Created by Independent Third Party: Yes Evaluation Reports EL13541_R15_AE_PER2743_SS_2014-09-26.pdf Created by Independent Third Party: Yes
13541.3	C. Design Pro / Smooth Pro / Studio Fiberglass	Double (XX) Opaque Fiberglass Door, 6'-0" x 6'-8" and 6'-0" x 8'-0", Inswing and Outswing
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other:		Certification Agency Certificate EL13541_R15_C_CAC_NI011907.01-R10.pdf EL13541_R15_C_CAC_NI011907-R10.pdf Quality Assurance Contract Expiration Date 03/30/2026 Installation Instructions EL13541_R15_II_A010833A_SS_2014-09-26.pdf Verified By: Hermes F. Norero 73778 Created by Independent Third Party: Yes Evaluation Reports EL13541_R15_AE_PER2744_SS_2014-09-26.pdf Created by Independent Third Party: Yes
13541.4	D. Design Pro / Smooth Pro Fiberglass	Double (XX) Glazed Fiberglass Door, 6'-0" x 6'-8" and 6'-0" x 8'-0", Inswing and Outswing
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other:		Certification Agency Certificate EL13541_R15_C_CAC_NI011908.01-R11.pdf EL13541_R15_C_CAC_NI011908-R11.pdf Quality Assurance Contract Expiration Date 03/30/2026 Installation Instructions EL13541_R15_II_A010834A_SS_2014-09-26.pdf Verified By: Hermes F. Norero 73778 Created by Independent Third Party: Yes Evaluation Reports EL13541_R15_AE_PER2745_SS_2014-09-26.pdf Created by Independent Third Party: Yes

13541.5	E. Design Pro / Smooth Pro / Studio Fiberglass	Single with side lite(s) (X,O/ O,X/ O,X,O) Opaque Fiberglass Door, 9'-0" x 6'-8" and 9'-0" x 8'-0", Inswing and Outswing
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other:		
Certification Agency Certificate EL13541_R15_C_CAC_NI011910.01-R11.pdf EL13541_R15_C_CAC_NI011910-R11.pdf Quality Assurance Contract Expiration Date 03/30/2026 Installation Instructions EL13541_R15_IL_A010835A_SS_2014-09-26.pdf Verified By: Hermes F. Norero 73778 Created by Independent Third Party: Yes Evaluation Reports EL13541_R15_AE_PER2746_SS_2014-09-26.pdf Created by Independent Third Party: Yes		

13541.6	F. Design Pro / Smooth Pro Fiberglass	Single with side lite(s) (X,O/ O,X/ O,X,O) Glazed Fiberglass Door, 9'-0" x 6'-8" and 9'-0" x 8'-0", Inswing and Outswing
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other:		
Certification Agency Certificate EL13541_R15_C_CAC_NI011923.01-R11.pdf EL13541_R15_C_CAC_NI011923-R11.pdf Quality Assurance Contract Expiration Date 03/30/2026 Installation Instructions EL13541_R15_IL_13541.6.pdf Verified By: Hermes F. Norero 73778 Created by Independent Third Party: Yes Evaluation Reports EL13541_R15_AE_PER2747_SS_2014-09-26.pdf Created by Independent Third Party: Yes		

13541.7	G. Design Pro / Smooth Pro / Studio Fiberglass	Double with side lite(s) (XX,O/ O,XX/ O,XX,O) Opaque Fiberglass Door, 12'-0" x 6'-8" and 12'-0" x 8'-0", Inswing and Outswing
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other:		
Certification Agency Certificate EL13541_R15_C_CAC_NI011911.01-R11.pdf EL13541_R15_C_CAC_NI011911-R11.pdf Quality Assurance Contract Expiration Date 03/30/2026 Installation Instructions EL13541_R15_IL_A010837A_SS_2014-09-26.pdf Verified By: Hermes F. Norero 73778 Created by Independent Third Party: Yes Evaluation Reports EL13541_R15_AE_PER2748_SS_2014-09-26.pdf Created by Independent Third Party: Yes		

13541.8	H. Design Pro / Smooth Pro Fiberglass	Double with side lite(s) (XX,O/ O,XX/ O,XX,O) Glazed Fiberglass Door, 12'-0" x 6'-8" and 12'-0" x 8'-0", Inswing and Outswing
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other:		
Certification Agency Certificate EL13541_R15_C_CAC_NI011912.01-R10.pdf EL13541_R15_C_CAC_NI011912-R10.pdf Quality Assurance Contract Expiration Date 03/30/2026 Installation Instructions EL13541_R15_IL_A010838A_SS_2014-09-26.pdf Verified By: Hermes F. Norero, P.E. 73778 Created by Independent Third Party: Yes Evaluation Reports EL13541_R15_AE_PER2749_SS_2014-09-26.pdf Created by Independent Third Party: Yes		

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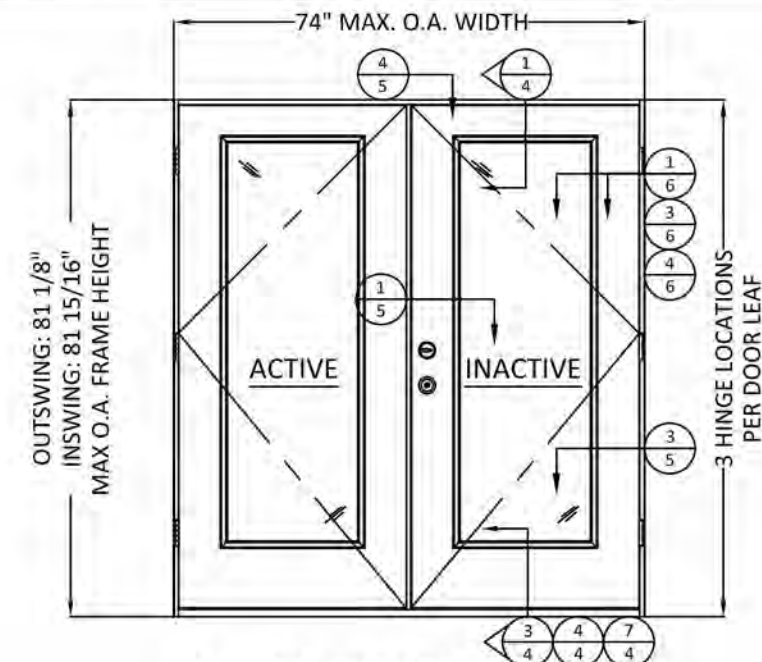
DESIGN PRO / SMOOTH PRO FULL LITE NON-IMPACT

FOR USE OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ)

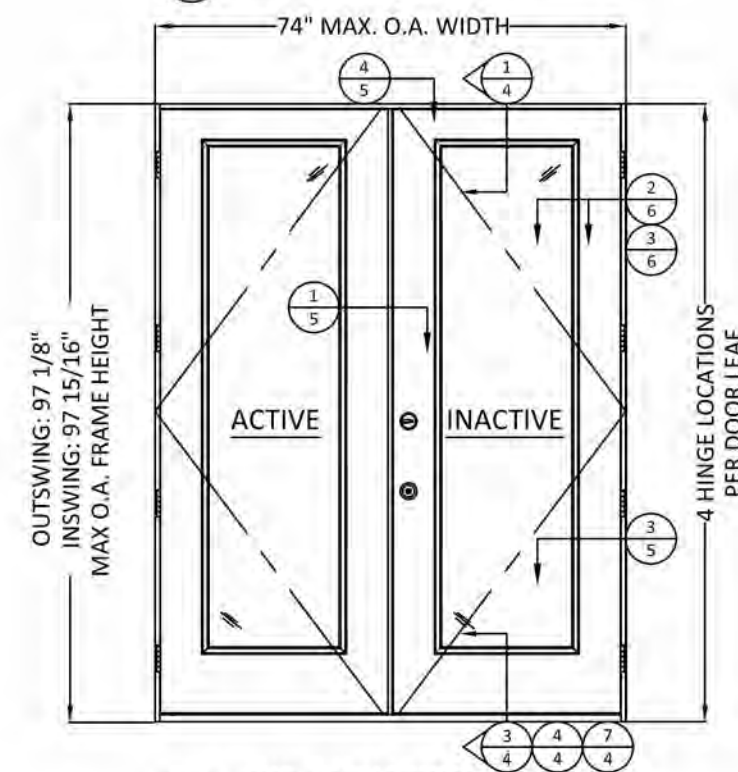
GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT INTERNATIONAL BUILDING CODE (IBC), INTERNATIONAL RESIDENTIAL CODE (IRC), AND FLORIDA BUILDING CODE (FBC), **EXCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - ASTM E330-02
 - ASTM E283-04
 - AAMA 1304-02
 - TAS 202-94
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY OR 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
4. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
5. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 6 FOR GLAZING DETAILS.
6. FULL LITE APPROVAL COVERS USE OF FRACTIONAL GLAZING, INCLUDING INTERNAL GRID, BLINDS BETWEEN GLASS, DECORATIVE, AND EXTERNAL AND INTERNAL WROUGHT IRON. RADIUS (SHAPED) LITES ARE QUALIFIED FOR 6'-8" DOORS AT DP +/-50 PSF ONLY.
7. NOTE: AFCO H-497 SILL MEETS WATER INFILTRATION AT WATER TEST PRESSURE (WTP) OF 9.0 PSF. REMAINING SILLS NOT RATED FOR WATER INFILTRATION. IF AUTHORITY HAVING JURISDICTION REQUIRES THAT PRODUCT MEETS THIS REQUIREMENT, PRODUCT SHALL BE USED WHEN INSTALLED AT LOCATION PROTECTED BY OVERHANG SUCH THAT OVERHANG (OH) RATIO = OH LENGTH ÷ OH HEIGHT IS ≥ 1.0

TABLE OF CONTENTS		
SHEET	REVISION	SHEET DESCRIPTION
1	B	TYPICAL ELEVATIONS, DESIGN PRESSURES, AND GENERAL NOTES
2	A	TYPICAL ANCHOR LAYOUTS AND NOTES
3	A	OPTIONAL 2X BUCK ANCHORING DETAILS
4	A	VERTICAL ASSEMBLIES
5	A	HORIZONTAL ASSEMBLIES
6	A	GLAZING DETAILS
7	A	WOOD SUBSTRATES
8	A	CONCRETE SUBSTRATES
9	A	COMPONENTS & BILL OF MATERIALS



1 TYP. ELEVATION 1
6'-8" DOOR HEIGHT



2 TYP. ELEVATION 2
8'-0" DOOR HEIGHT

NOTE:
INACTIVE AND ACTIVE DOOR PANEL
ORIENTATION IS INTERCHANGEABLE.

CONFIGURATION	MAX. OVERALL NOMINAL SIZE		DESIGN PRESSURE (PSF)				MISSILE IMPACT RATING
	WIDTH	HEIGHT	INSWING		OUTSWING		
			POS.	NEG.	POS.	NEG.	
XX	6'-0"	6'-8"	50*	50	50*	50	NON-IMPACT
XX RADIUS	6'-0"	6'-8"	50*	50	50*	50	NON-IMPACT
XX	6'-0"	8'-0"	50*	50	50*	50	NON-IMPACT

*SEE GENERAL NOTE 7, SHEET 1, FOR WATER INFILTRATION APPROVED SILLS.

PREPARED BY:



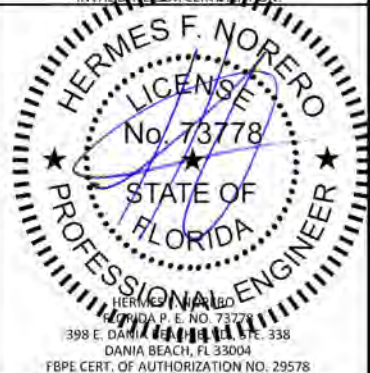
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com

TITLE: DESIGN PRO/SMOOTH PRO FULL LITE
NON-IMPACT
TYPICAL ELEVATIONS, DESIGN
PRESSURES, AND GENERAL NOTES

3737 LAKEPORT BLVD.,
KLAMATH FALLS, OR 97601
PH: (541)882-3451
FAX: (541)850-2609



REMARKS	BY	DATE
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Add TAS 202-94 Standard	SM	09/22/14
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Reason: I am approving this document
Date: 2014.09.26 14:55:17 -04'00'

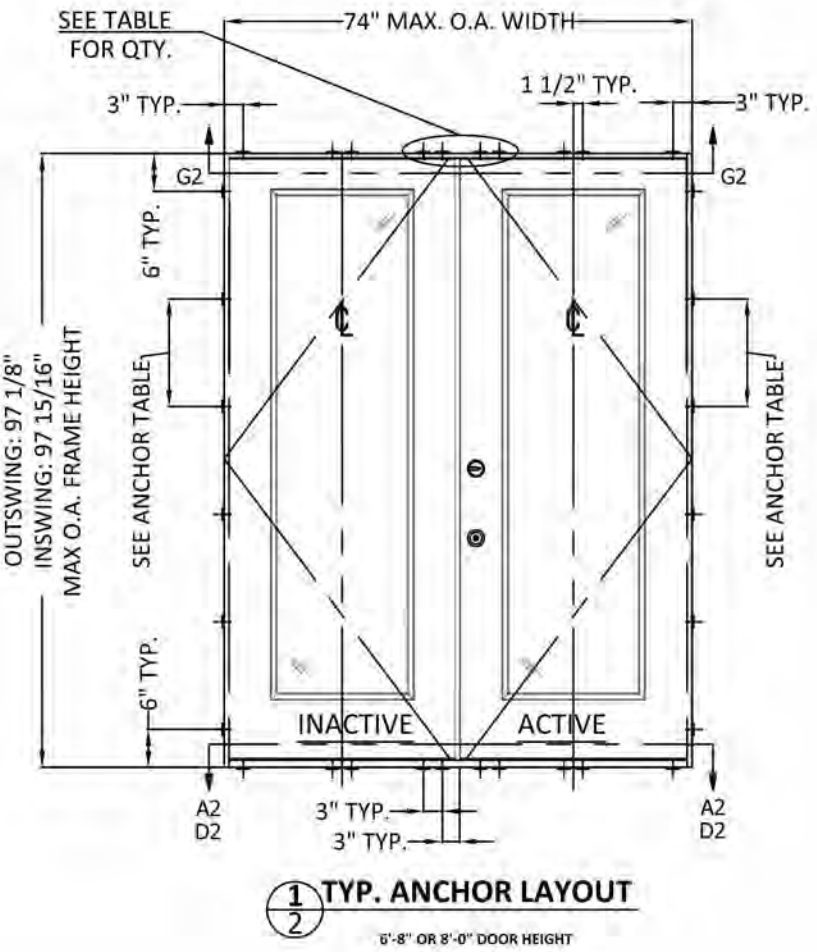
DATE: 02.05.14
DWG. BY: GL/TJM
CHK. BY: SS/MSS
SCALE: NTS
DWG. #: A010834A

SHEET: OF 9

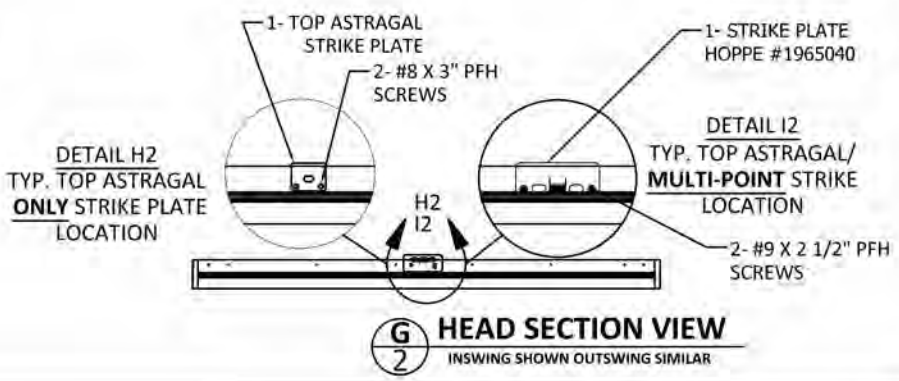
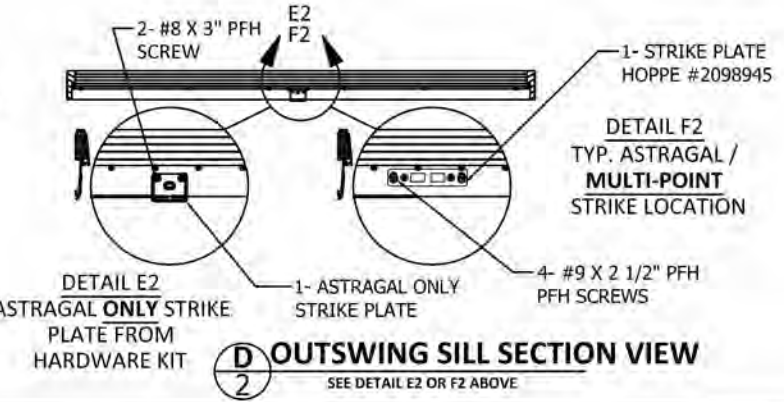
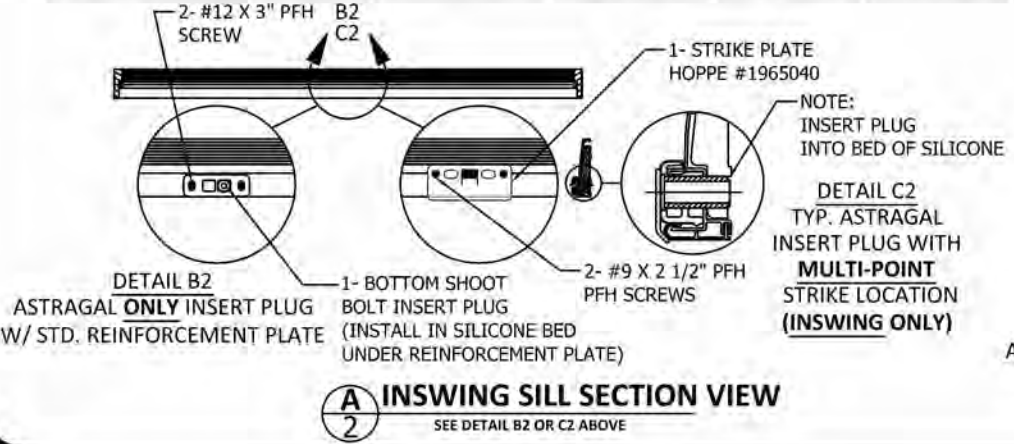
INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE A NON-COMPRESSIBLE COMPOSITE OR BETTER.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING, AND SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- FOR 2X STUD CONSTRUCTION, ANCHORING OF THESE PRODUCTS SHALL BE THE SAME AS FOR 2X BUCK CONCRETE/MASONRY CONSTRUCTION.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - GROUT-FILLED CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.
 - HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
- SEE SHEETS 7 AND 8 FOR MORE DETAILS OF THE INSTALLATION REQUIREMENTS, INCLUDING ANCHOR LOCATIONS, EDGE DISTANCES, EMBEDMENTS, AND SHIM SPACING.
- OPTIONALLY, ANCHORS CAN BE PLACED IN NARROW SECTION OF HEAD OR JAMB AS LONG AS MINIMUM EMBEDMENT AND EDGE DISTANCE ARE ACHIEVED.

ANCHOR TABLE								
ANCHOR TYPE	ANCHOR SIZE	SUBSTRATE	MIN. EMBEDMENT	MIN. EDGE DISTANCE	6'8" DOORS		8'0" DOORS	
					MAX. O.C. SPACING AT JAMBS	# OF ANCHORS AT HEAD/SILL CLUSTERS	MAX. O.C. SPACING AT JAMBS	# OF ANCHORS AT HEAD/SILL CLUSTERS
WOOD SCREW	#10	2X WOOD BUCK OR FRAMING	1-1/2"	3/4"	17-1/2"	4	17-1/4"	4
ITW TAPCON	3/16"	CONCRETE/CMU	1-1/4"	2-1/2"	17-1/2"	4	17-1/4"	4
ELCO ULTRACON	1/4"	CONCRETE/CMU	1-3/8" - CONC. 1-1/4" - CMU	1"	17-1/2"	4	17-1/4"	4
ITW TAPCON	3/16"	CONCRETE/CMU	1-1/4"	1"	11-5/8"	8	14-3/8"	6



NOTE:
INACTIVE AND ACTIVE DOOR PANEL
ORIENTATION IS INTERCHANGEABLE.



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TITLE: DESIGN PRO/SMOOTH PRO FULL LITE
NON-IMPACT

ANCHOR LAYOUTS AND NOTES

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No. 73778
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 29578

DATE: 02.05.14	
DWG. BY: GL/TJM	CHK. BY: SS/MSS
SCALE: NTS	
DWG. #: A010834A	
SHEET:	OF 9

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TITLE: DESIGN PRO/SMOOTH PRO FULL LITE
NON-IMPACT
OPTIONAL 2X BUCK
ANCHORING DETAILS

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KLAMATH FALLS, OR 97601
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JELD-WEN
WINDOWS & DOORS

REMARKS	BY	DATE
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DATE: 02.05.14

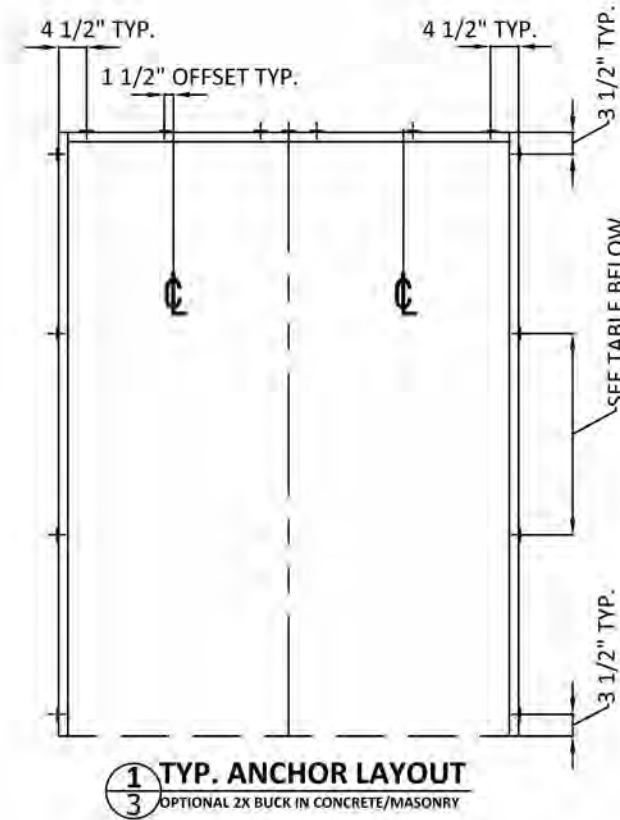
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CHK. BY: SS/MSS

SCALE: NTS

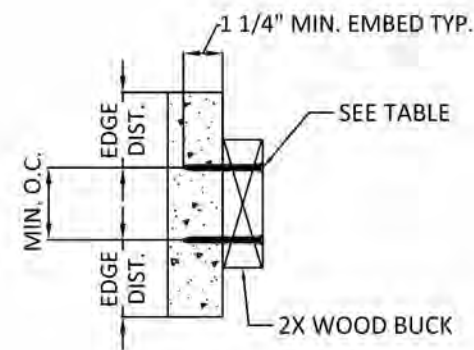
DWG. #: A010834A

SHEET: OF 9

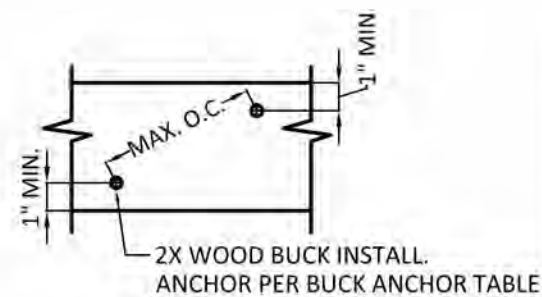
3



1
3 TYP. ANCHOR LAYOUT
OPTIONAL 2X BUCK IN CONCRETE/MASONRY



3
3 2X WOOD BUCK INSTALL.
CROSS SECTION

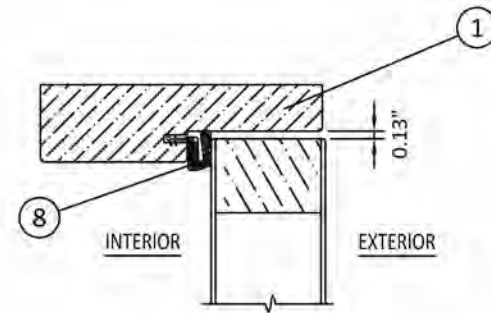


4
3 2X WOOD BUCK INSTALL.
SIDE VIEW

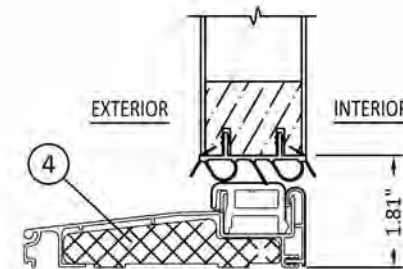
2X BUCK ANCHOR TABLE							
ANCHOR TYPE	ANCHOR SIZE	SUBSTRATE	MIN. EMBEDMENT	MIN. EDGE DIST. TO SUBSTRATE	MIN. CENTER TO CENTER DISTANCE	6'8" DOORS	8'0" DOORS
						MAX. O.C. SPACING AT JAMBS	MAX. O.C. SPACING AT JAMBS
ITW TAPCON	1/4"	CONCRETE/CMU	1-1/4"	2-1/2"	4"	25"	30-1/4"
ELCO ULTRACON	1/4"	CONCRETE/CMU	1-3/8" - CONC. 1-1/4" - CMU	1"	4"	25"	30-1/4"

NOTES:

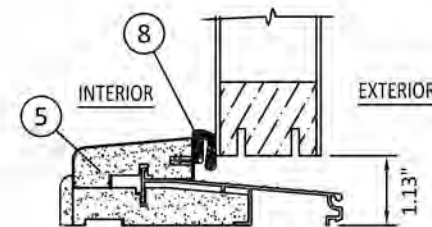
- 2X BUCK IS NOT FOR INSTALLATION AT SILL. THRESHOLD SHALL BE FASTENED IN ACCORDANCE WITH ANCHOR LOCATIONS SHOWN ON SHEET 2.
- ANCHORS MAY BE STAGGERED AS SHOWN IN DETAIL 4/3.



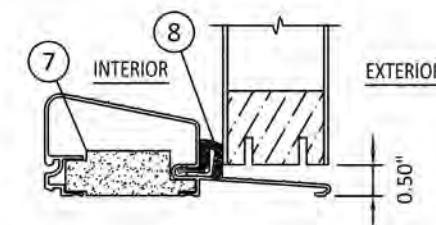
1
4 **OPERABLE HEAD**
OUTSWING SHOWN - INSWING SIMILAR



3
4 **OPERABLE SILL**
INSWING
ENDURA ZAIL4565F



4
4 **OPERABLE SILL**
OUTSWING
AFCO J-2297



7
4 **OPERABLE SILL**
OUTSWING
OPTIONAL AFCO H-497

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DANIA BEACH, FL 33004

PH: (954)399-8478

FAX: (954)744.4738

WEB: www.buildingdrops.com

TITLE: DESIGN PRO/SMOOTH PRO FULL LITE
NON-IMPACT

VERTICAL ASSEMBLIES

3737 LAKEPORT BLVD.,
KLAMATH FALLS, OR 97601
PH: (541)882-3451
FAX: (541)850-2609

JELD-WEN
WINDOWS & DOORS

REMARKS	BY	DATE
Add Multi-Point Lock	GL	06/12/14

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DATE: 02.05.14

DWG. BY: GL/TJM
CHK. BY: SS/MSS

SCALE: NTS

DWG. #: A010834A

SHEET: OF 9

PREPARED BY:



BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338

DANIA BEACH, FL 33004

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DESIGN PRO/SMOOTH PRO FULL LITE
NON-IMPACT
HORIZONTAL ASSEMBLIES

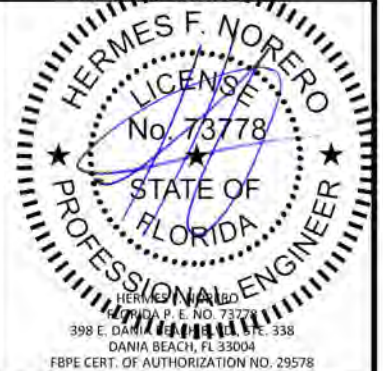
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KLAMATH FALLS, OR 97601
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JELD-WEN
WINDOWS & DOORS

TITLE:

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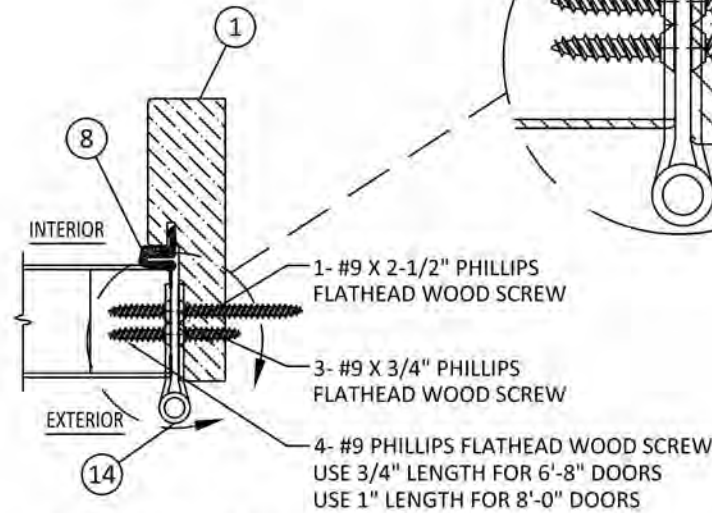
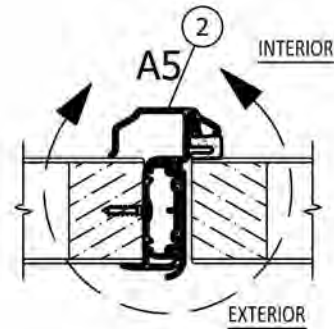
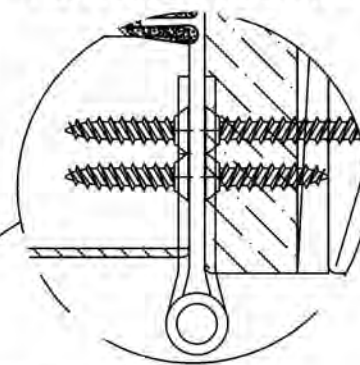
DWG. #: A010834A

SHEET: OF 9

5

HINGE SCHEDULE	
DOOR HEIGHT	QUANTITY
6'-8"	3
8'-0"	4

HINGE DETAIL AT JAMB:
PLACE #9 X 2-1/2" PFH SCREW NEXT TO WEATHERSTRIP



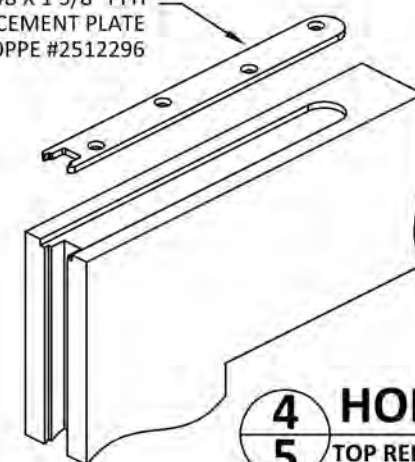
HINGE JAMB

OUTSWING SHOWN - INSWING SIMILAR

MEETING STILE

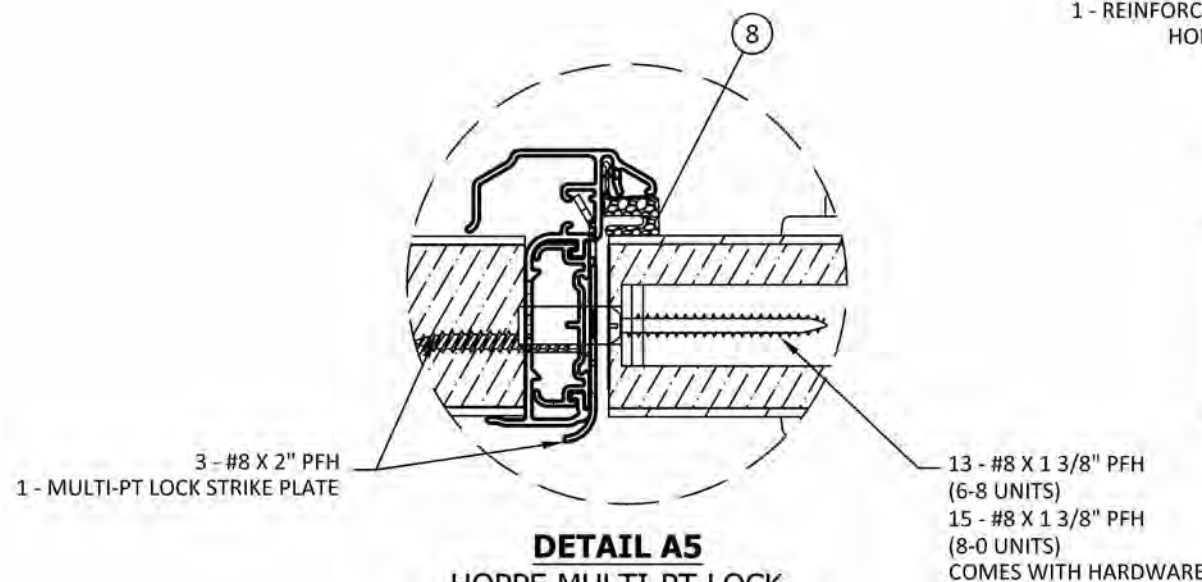
OUTSWING SHOWN - INSWING SIMILAR

4 - #8 X 1 3/8" PFH
1 - REINFORCEMENT PLATE
HOPPE #2512296

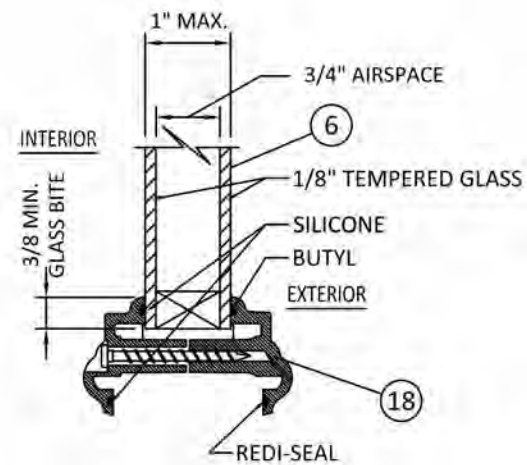


HOPPE MULTI-POINT LOCK

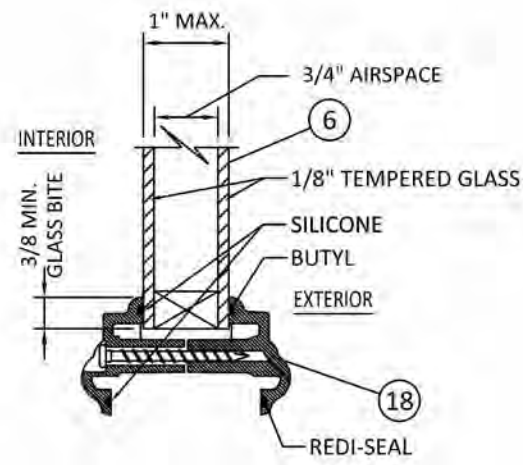
TOP REINFORCEMENT PLATE - ACTIVE PANEL ONLY



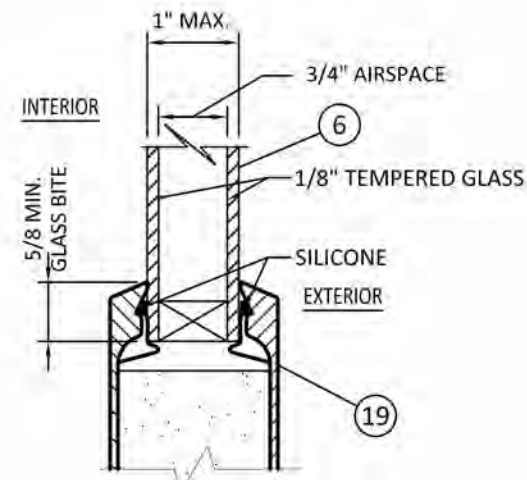
DETAIL A5 HOPPE MULTI-PT LOCK FASTENING



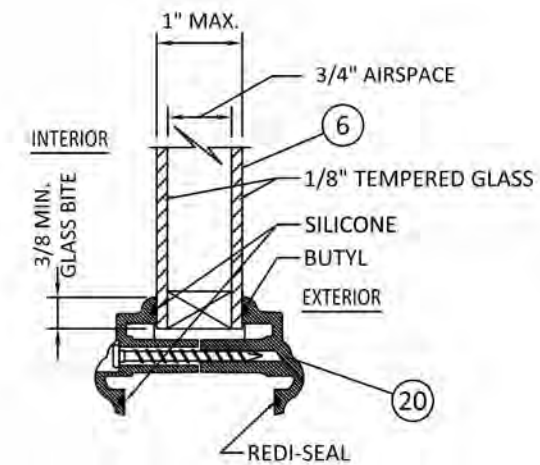
1 **6'-8" GLAZING DETAIL**
6 20 1/2" MAX. D.L.O. WIDTH
 62 1/2" MAX. D.L.O. HEIGHT



2 **8'-0" GLAZING DETAIL**
6 20 1/2" MAX. D.L.O. WIDTH
 78 1/2" MAX. D.L.O. HEIGHT



3 **FLUSH GLAZE DETAIL**
6 23 7/8" MAX. D.L.O. WIDTH
 78 7/8" MAX. D.L.O. HEIGHT



4 **GLAZING DETAIL**
6 FOR OVAL, SUNBURST, AND ROUND TOPS
 ONLY IN 6'8" UNITS AT DP+/- 50 PSF

NOTE:
 FRACTIONAL GLAZING, INCLUDING INTERNAL GRID, BLINDS
 BETWEEN GLASS, DECORATIVE, EXTERNAL AND INTERNAL
 WROUGHT IRON AND RADIUS (SHAPED) LITES ARE APPROVED
 IN ALL GLAZING DETAILS SHOWN ABOVE.

TITLE: DESIGN PRO/SMOOTH PRO FULL LITE
 NON-IMPACT
 GLAZING DETAILS

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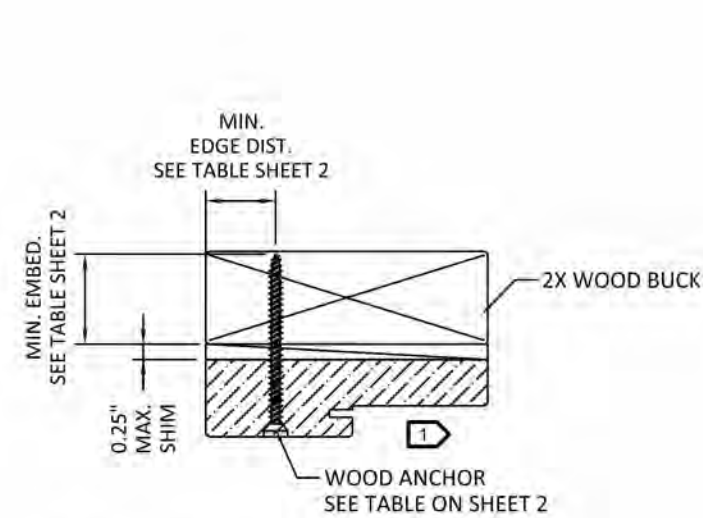
JELD-WEN
 WINDOWS & DOORS

REMARKS	BY	DATE
Add Multi-Point Lock	GL	06/12/14

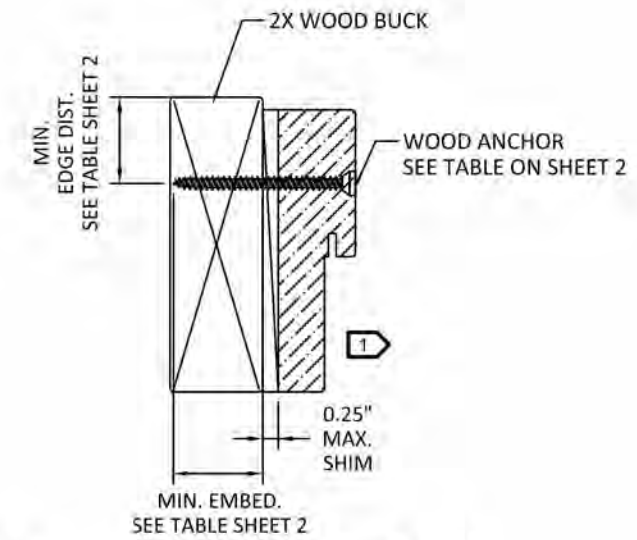
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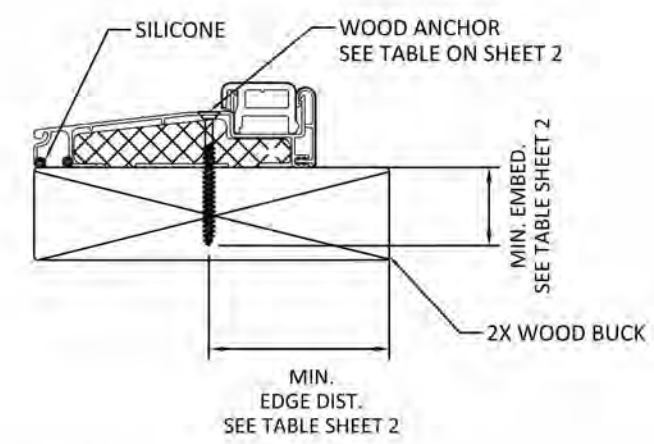
DATE: 02.05.14	
DWG. BY: GL/TJM	CHK. BY: SS/MSS
SCALE: NTS	
DWG. #: A010834A	
SHEET:	OF 9



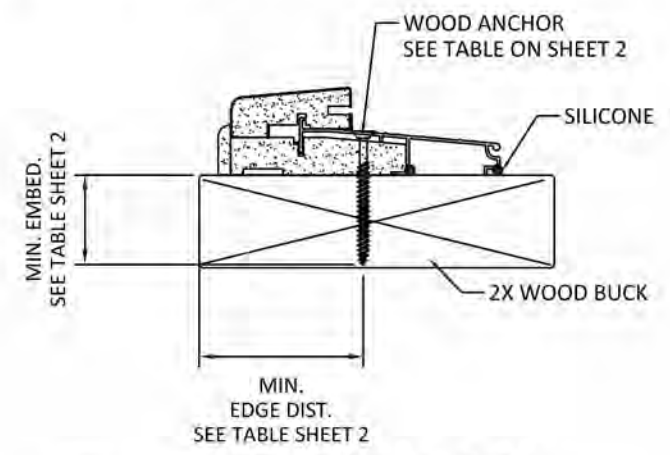
1
7 **HEAD (TYPICAL)**
OUTSWING SHOWN - INSWING SIMILAR



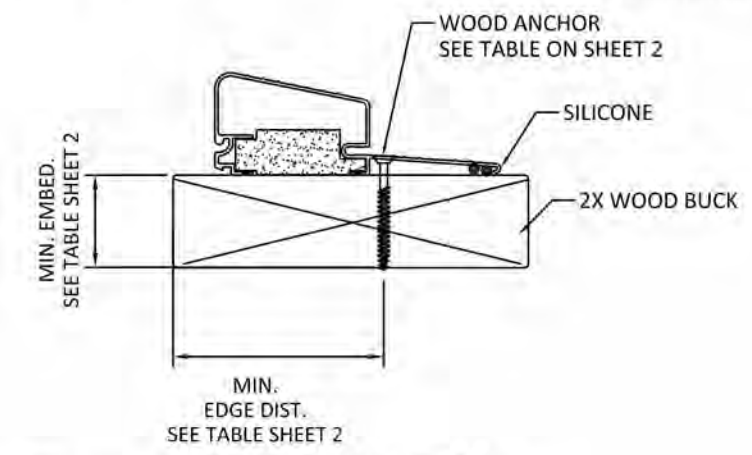
2
7 **JAMB (TYPICAL)**
OUTSWING SHOWN - INSWING SIMILAR



3
7 **OPERABLE SILL**
INSWING
ENDURA ZAIL4565F



4
7 **OPERABLE SILL**
OUTSWING
AFco J-2297



7
7 **OPERABLE SILL**
HIGH BUMP OUTSWING
AFco H-497

1 OPTIONALLY, ANCHOR CAN BE PLACED IN NARROW SECTION OF HEAD OR JAMB AS LONG AS MINIMUM EMBEDMENT AND EDGE DISTANCE ARE ACHIEVED.

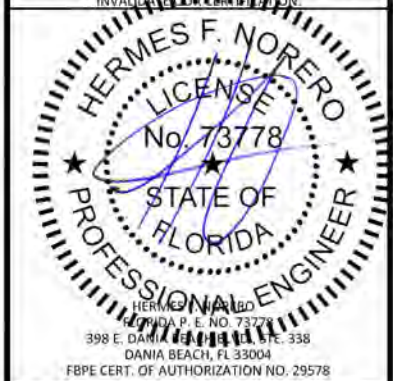
TITLE: **DESIGN PRO/SMOOTH PRO FULL LITE NON-IMPACT WOOD INSTALLATION**

3737 LAKEPORT BLVD.,
KIAMATH FALLS, OR 97601
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FAX: (541)850-2609

JELD-WEN
WINDOWS & DOORS

REMARKS	BY	DATE
Add Multi-Point Lock	GL	06/12/14

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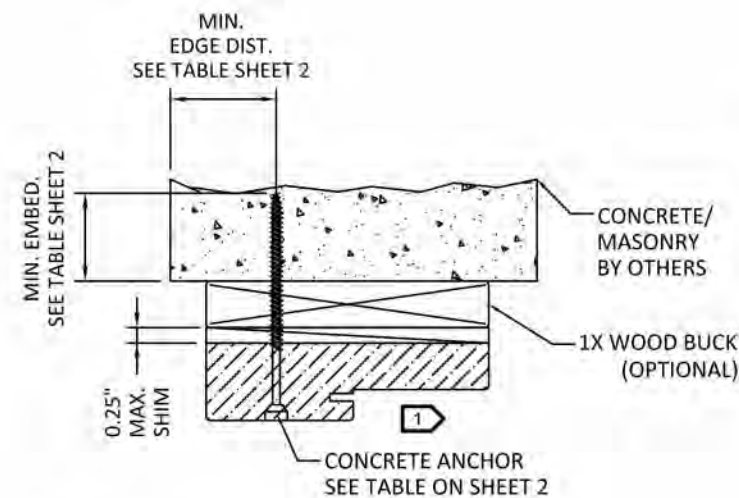
DATE: **02.05.14**

DWG. BY: **GL/TJM** CHK. BY: **SS/MSS**

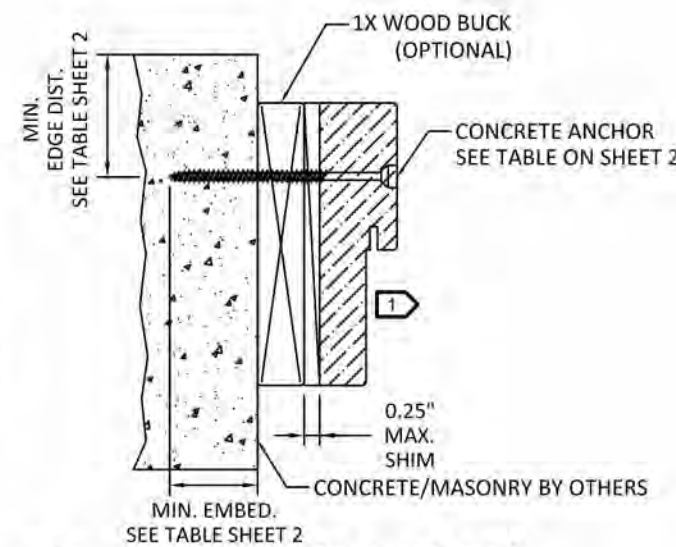
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DWG. #: **A010834A**

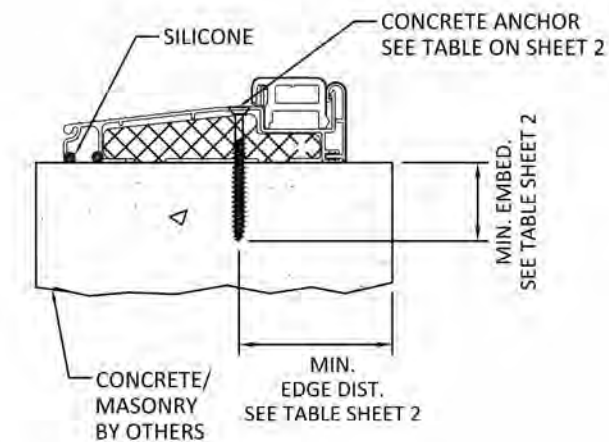
SHEET: **7** OF 9



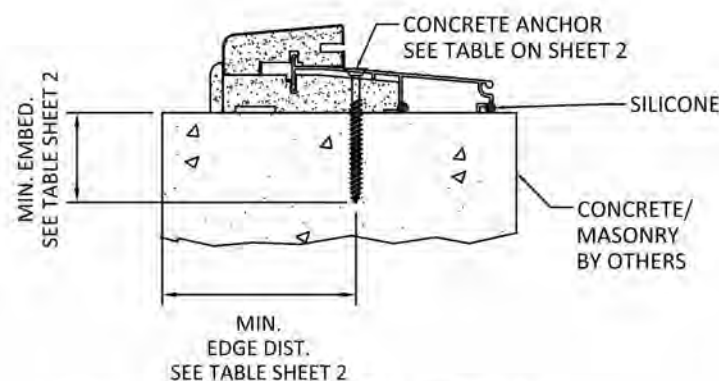
1
8 **HEAD (TYPICAL)**
OUTSWING SHOWN - INSWING SIMILAR



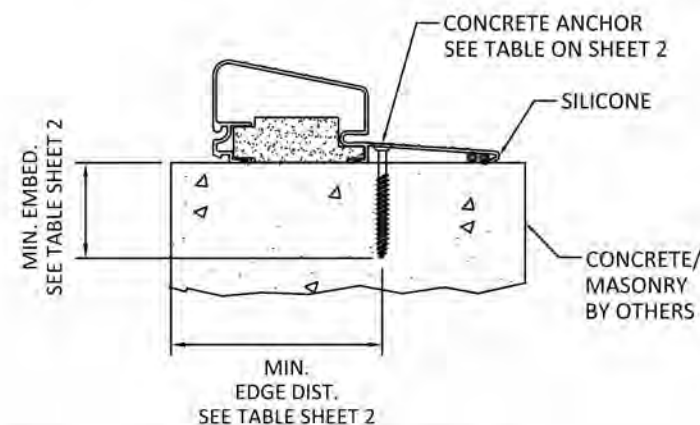
2
8 **JAMB (TYPICAL)**
OUTSWING SHOWN - INSWING SIMILAR



3
8 **OPERABLE SILL**
INSWING
ENDURA ZAIL4565F



4
8 **OPERABLE SILL**
OUTSWING
AFCE J-2297



7
8 **OPERABLE SILL**
HIGH BUMP OUTSWING
AFCE H-497

1 OPTIONALLY, ANCHOR CAN BE PLACED IN NARROW SECTION OF HEAD OR JAMB AS LONG AS MINIMUM EMBEDMENT AND EDGE DISTANCE ARE ACHIEVED.

PREPARED BY:



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DANIA BEACH, FL 33004

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TITLE: DESIGN PRO/SMOOTH PRO FULL LITE
NON-IMPACT

CONCRETE INSTALLATION

3737 LAKEPORT BLVD.,
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JELD-WEN
WINDOWS & DOORS

REMARKS	BY	DATE
Add Multi-Point Lock	GL	06/12/14

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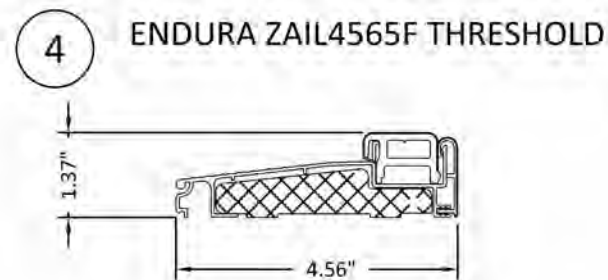
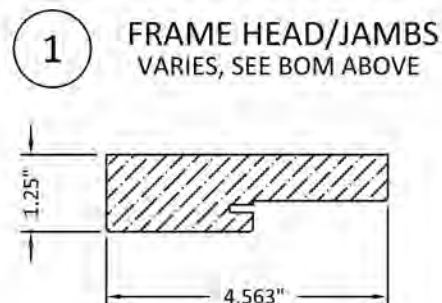
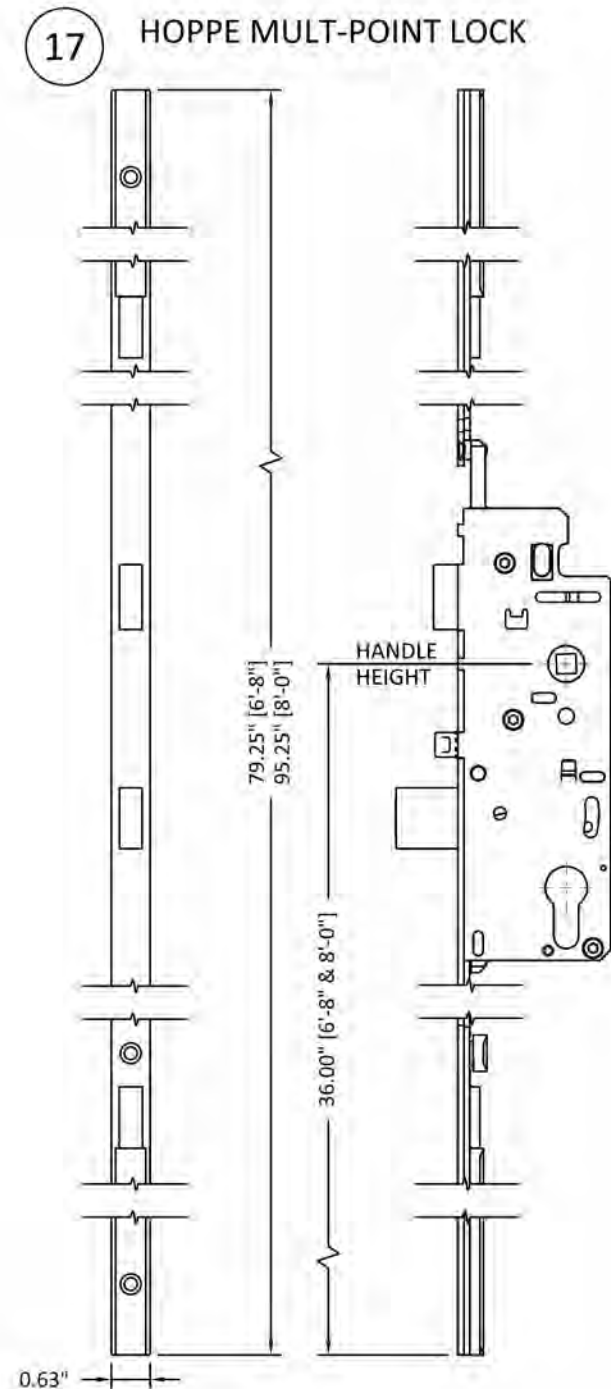
SCALE: NTS

DWG. #: A010834A

SHEET: OF 9

8

BILL OF MATERIALS		
ITEM#	DESCRIPTION	MATERIAL
1	FRAME HEAD/JAMBS	FINGER-JOINTED PINE
		SOLID PINE
		LAMINATED VENEER LUMBER
		COMPOSITE
2	ASTRAGAL, ENDURA ULTIMATE HURRICANE (SEE SHEET 2 FOR HARDWARE AND FASTENING DETAILS)	6063-T6 ALUMINUM
3	(NOT USED)	-
4	ENDURA ZAIL4565F THRESHOLD	-
5	AFCO J-2297 THRESHOLD	-
6	1" O.A. IG TEMPERED NON-IMPACT GLASS	-
7	AFCO H-497 THRESHOLD	-
8	WEATHERSTRIP	URETHANE FOAM & POLYETHYLENE
9	NON-COMPRESSION SHIM (0.25" MAX. THK.)	COMPOSITE
10	2X WOOD (S.G. MUST BE 0.55 OR GREATER)	WOOD
11	1X WOOD (S.G. MUST BE 0.55 OR GREATER)	WOOD
12	#10 WOOD INSTALLATION SCREW W/ 1 1/2" MIN. EMBEDMENT	STEEL
13	CONC./CMU ANCHOR (SEE ANCHOR TABLE SHEETS 2 & 3)	STEEL
14	BUTT HINGE (SEE SCHEDULE SHEET 5)	-
15	KWIKSET LOCK SERIES 400	STEEL
16	KWIKSET DEADBOLT SERIES 780	STEEL
17	HOPPE MULTI-POINT HARDWARE HLS9000 (SEE SHEET 2 FOR HARDWARE AND FASTENING DETAILS)	STEEL
18	ODL LIPLITE KIT (NI)	PLASTIC
19	FLUSH GLAZING LEG	FIBERGLASS
20	ODL LIPLITE KIT (RADIUS LITES)	PLASTIC



PREPARED BY:



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TITLE: DESIGN PRO/SMOOTH PRO FULL LITE
NON-IMPACT

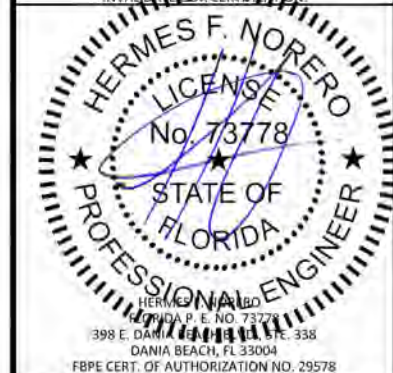
COMPONENTS AND BILL OF MATERIALS

3737 LAKEPORT BLVD.,
KLAMATH FALLS, OR 97601
PH: (541)882-3451
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