

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING	Jeld-Wen	Entry door	15474.2 15474.3
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	CGI	Single Hung Window	38618.2
B. HORIZONTAL SLIDER	CGI	Sliding Window	38619.2
C. CASEMENT			
D. FIXED	CGI	Fixed Window	38620.2
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING			
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES			
B. NON-STRUCTURAL METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCTURAL COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR			
ENVELOPE PRODUCTS			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.


4/10/2024
 Contractor OR Agent Signature Date

NOTES: _____

FLORIDA DEPARTMENT OF
Business & Professional Regulation



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Product Approval
USER: Public User

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

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SECRETARY

Search Criteria

[Refine Search](#)

Code Version	2023	FL#	38618.2
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		

Search Results - Applications

FL#	Type	Manufacturer	Validated By	Status
FL38618-R3 History	Revision	CGI Windows and Doors FL#: FL38618.2 Model: SH800V Description: Non-impact Resistant, Vinyl, Tilt-sash Single Hung Window Category: Windows Subcategory: Single Hung	Steven M. Urch, 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.

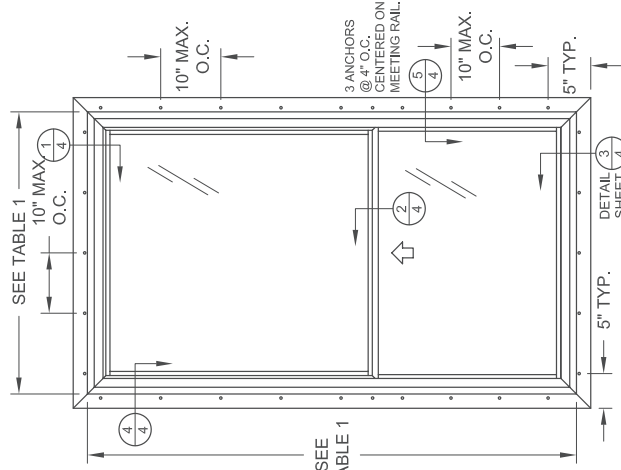
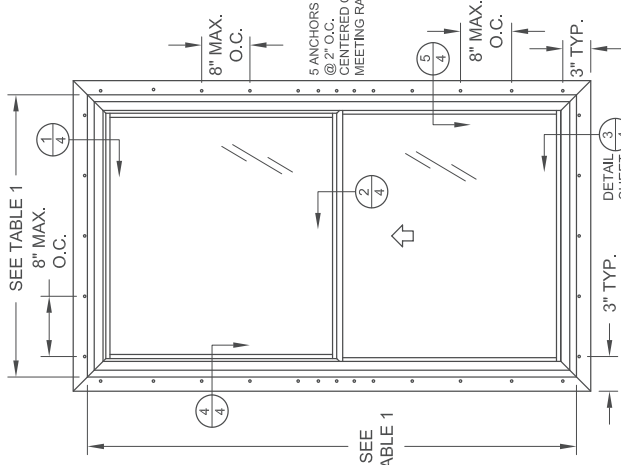
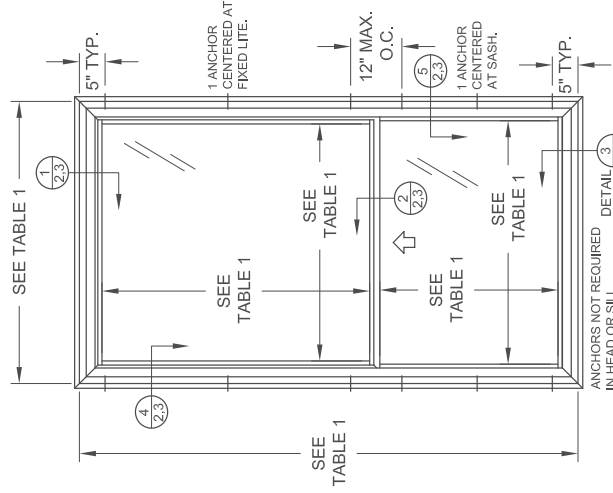
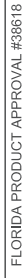
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Product Approval Accepts:





TYP. ANCHOR LOCATIONS
(FLANGED FRAME SHOWN, EQUAL-LEG SIM.)
(ORIEL SHOWN, EQUAL-LITE SIMILAR)

TYP. FIN ANCHOR LOCATIONS (A)
(INTEGRAL FIN FRAME, EQUAL-LITE SHOWN,
ORIEL SIMILAR)

TYP. FIN ANCHOR LOCATIONS (B)
(INTEGRAL FIN FRAME,
MAX. SIZE ORIEL CONFIG.)

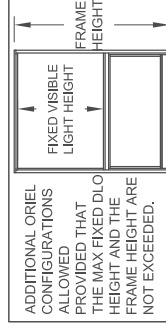


TABLE 1: DESIGN PRESSURES

Buck Width	Buck Height	Max. Sash DLO Size (Width x Height)	Max. Fixed DLO Size (Width x Height)	Configuration	Frame Type	Glass Type	Design Pressure (+) psf	Design Pressure (-) psf
54"	76"	47.25" x 34.44"	49.75" x 34.44"	Equal-Lite	All	1	50.0	50.0
36"	72"	29.25" x 32.44"	31.75" x 32.44"	Equal-Lite	All	1	65.0	75.0
48"	84"	41.25" x 38.25"	43.75" x 38.63"	Equal-Lite	Flange, Equal-Leg	1	45.0	45.0
54"	92"	41.25" x 38.25"	43.75" x 38.63"	Equal-Lite	Fin (A)	1	50.0	55.0
54"	92"	47.25" x 34.19"	49.81" x 50.75"	Oriel	Flange, Equal-Leg	2	30.0	30.0
54"	92"	47.25" x 34.19"	49.81" x 50.75"	Oriel	Fin (B)	2	40.0	40.0

FOR SIZES NOT SHOWN,
ROUND UP TO THE NEXT
AVAILABLE WIDTH OR
HEIGHT DIMENSION.

FOR GLASS TYPES,
SEE SHEET 6.

**SH800V SINGLE HUNG, TILT WINDOW,
NON-IMPACT RESISTANT,
FLANGE. EQUAL-LEG & FIN FRAMES**

1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, EXCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

2) SHUTTERS ARE REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS:

3) MASONRY ANCHORS MAY BE USED INTO WOOD. ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER.

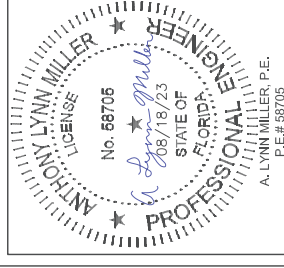
4) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH.

5) MAX: 1/4" SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS.

6) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WIND LOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.

7) FRAME FLANGES OR INTEGRAL FINS MAY BE TRIMMED IN-FIELD TO CREATE AN EQUAL-LEG FRAME.

 Impact Resistant Windows & Doors	CGI WINDOWS AND DOORS 3780 W. 104TH STREET HIALEAH, FL 33018	VINYL SINGLE HUNG WINDOW (NI) Date 04/14/23	ELEVATION & GENERAL NOTES Drawn By LOGAN YODER	DWG No. SH800V-FPA-NI 1 OF 6	SHEET SH800V
	PREPARED BY A. LYNN MILLER N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #229296 COPYRIGHT © 2022 CGI WINDOWS AND DOORS LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.				



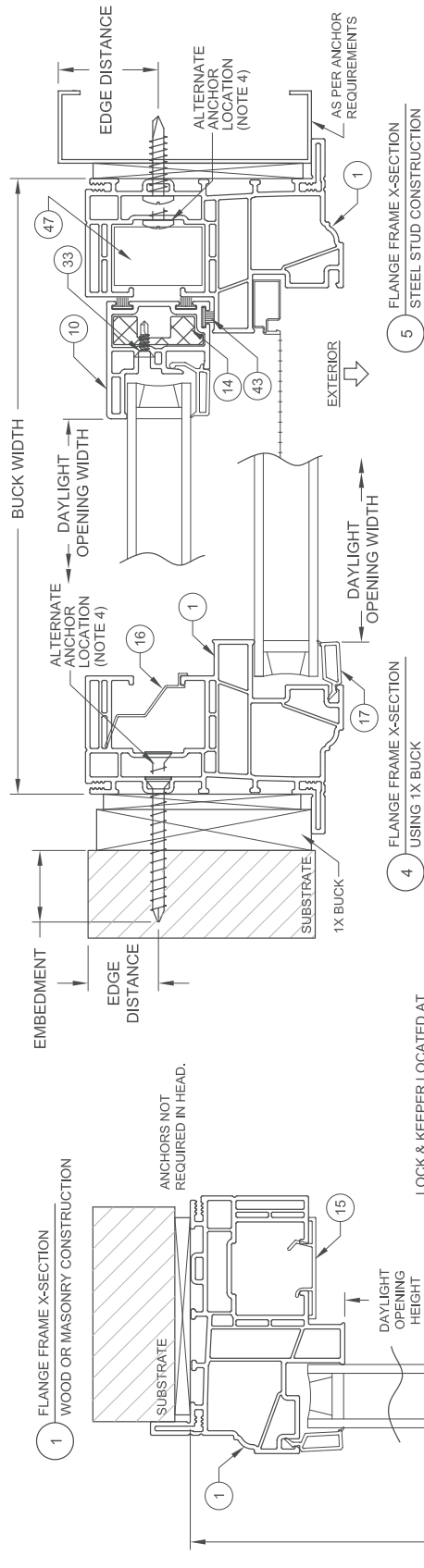


TABLE 2: INSTALLATION ANCHORS

Anchor	Substrate	Minimum Edge Distance	Minimum Embedment
#10 or #12 Steel or 410 SS Screw	Southern Pine (SG = .55)	1/2"	1-3/8"
	Aluminum, 6063-T5 min.	5/16"	0.050"
	Steel Stud, Gr. 33 min. A36 Steel	5/16"	0.045" (20 Ga)
3/16" Steel Ultracon+	Concrete (min. 2.9 ksi)	1"	1-3/4"
	Ungrouted CMU, (ASTM C-90)	1-1/16"	1-1/4"
	Southern Pine (SG = .55)	1"	1-3/8"
1/4" Steel Ultracon+	Concrete (min. 3.0 ksi)	1"	1-3/8"
	Ungrouted CMU, (ASTM C-90)	1"	1-1/4"
	Southern Pine (SG = .55)	1"	1-3/8"

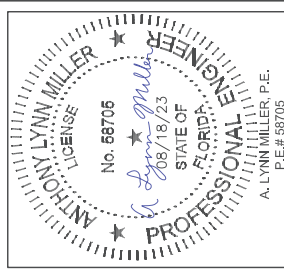
- 1) ANCHOR MUST EXTEND A MINIMUM OF 3 THREADS BEYOND ANY METAL SUBSTRATE.
- 2) "UNROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.
- 3) ALL ANCHOR HEAD TYPES ARE APPLICABLE.

INSTALLATION NOTES:

- INSTALLATION NOTES:
- 1) SEE SHEET 1 FOR ANCHOR SPACING REQUIREMENTS.
 - 2) ANY INSTALLATION OPTION SHOWN (2X BUCK OR WOOD FRAMING, 1X BUCK, DIRECT TO MASONRY, STEEL STUD) MAY BE USED ON ANY SIDE OF THE WINDOW.
 - 3) USE ONLY SUBSTRATE APPROPRIATE ANCHORS LISTED IN ANCHOR TABLE 2. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. MAX. SHIM THICKNESS TO BE 1/4".
 - 4) MAXIMUM DESIGN PRESSURE LIMITED TO +/- 50 PSF FOR ALTERNATE ANCHOR LOCATION.



 Impact Resistant Windows & Doors	CGI WINDOWS AND DOORS 3760 W. 104TH STREET HIALEAH, FL 33018		VINYL SINGLE HUNG WINDOW (NI) 04/14/23	FLANGE INSTALL SECTION VIEWS LOGAN YODER	2 OF 6 DWG No.	SH800V SH800V-FPA-NI	1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	PREPARED BY A. LYNN MILLER REGISTRATION #29296 COPYRIGHT © 2023 CCI WINDOWS AND DOORS	PERMITTING LIMITED LICENSE TO MAKE COPIES FOR





- 1) ANCHOR MUST EXTEND A MINIMUM OF 3 THREADS BEYOND ANY METAL SUBSTRATE.
- 2) "UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.
- 3) ALL ANCHOR HEAD TYPES ARE APPLICABLE.

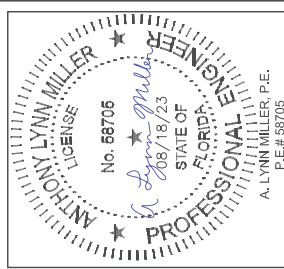
Anchor	Substrate	Minimum Edge Distance	Minimum Embedment
#10 or #12 Steel or 410 SS Screw	Southern Pine (SG = .55)	1/2"	1-3/8"
	Aluminum, 6063-T5 min.	5/16"	0.050"
	Steel Stud, Gr. 33 min.	5/16"	0.045" (20 Ga)
	A36 Steel	5/16"	0.050"
3/16" Steel Ultracon+	Concrete (min. 2.9 ksi)	1"	1-3/4"
	Ungrouted CMU, (ASTM C-90)	1-1/16"	1-1/4"
	Southern Pine (SG = .55)	1"	1-3/8"
1/4" Steel Ultracon+	Concrete (min. 3.0 ksi)	1"	1-3/8"
	Ungrouted CMU, (ASTM C-90)	1"	1-1/4"
	Southern Pine (SG = .55)	1"	1-3/8"

INSTALLATION NOTES:

- INSTALLATION NOTES:
- 1) SEE SHEET 1 FOR ANCHOR SPACING REQUIREMENTS.
 - 2) ANY INSTALLATION OPTION SHOWN (2X BUCK OR WOOD FRAMING, 1X BUCK, DIRECT TO MASONRY, STEEL STUD) MAY BE USED ON ANY SIDE OF THE WINDOW.
 - 3) USE ONLY SUBSTRATE APPROPRIATE ANCHORS LISTED IN ANCHOR TABLE 3. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. MAX. SHIM THICKNESS TO BE 1/4".
 - 4) MAXIMUM DESIGN PRESSURE LIMITED TO +/- 50 PSF FOR ALTERNATE ANCHOR LOCATION.



 Impact Resistant Windows & Doors	CGI WINDOWS AND DOORS 3760 W. 104TH STREET HIALEAH, FL 33108		SHEET 3 OF 6 DWG No.	SH800V SECTION VIEWS EQUAL-LEG INSTALLATION	SH800V-FPA-NI
	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600				
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Rev. #A

08/17/23

MINOR EDITORIAL CHANGES

SH800V

4 OF 6

SH800V-FPA-NI

Impact Resistant Windows & Doors

1070 TECHNOLOGY DRIVE
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CGI WINDOWS AND DOORS
3780 W. 104TH STREET
HIALEAH, FL 33018

CGI

Prepared by A. LYNN MILLER

Drawn By LOGAN YODER

Desc. Title VINYL SINGLE HUNG WINDOW (NI)

4 OF 6

SH800V

ANTHONY LYNN MILLER

PROFESSIONAL ENGINEER

FLORIDA

STATE OF

08/18/23

No. 68705

License

A. LYNN MILLER, P.E.

P.E.# 58705

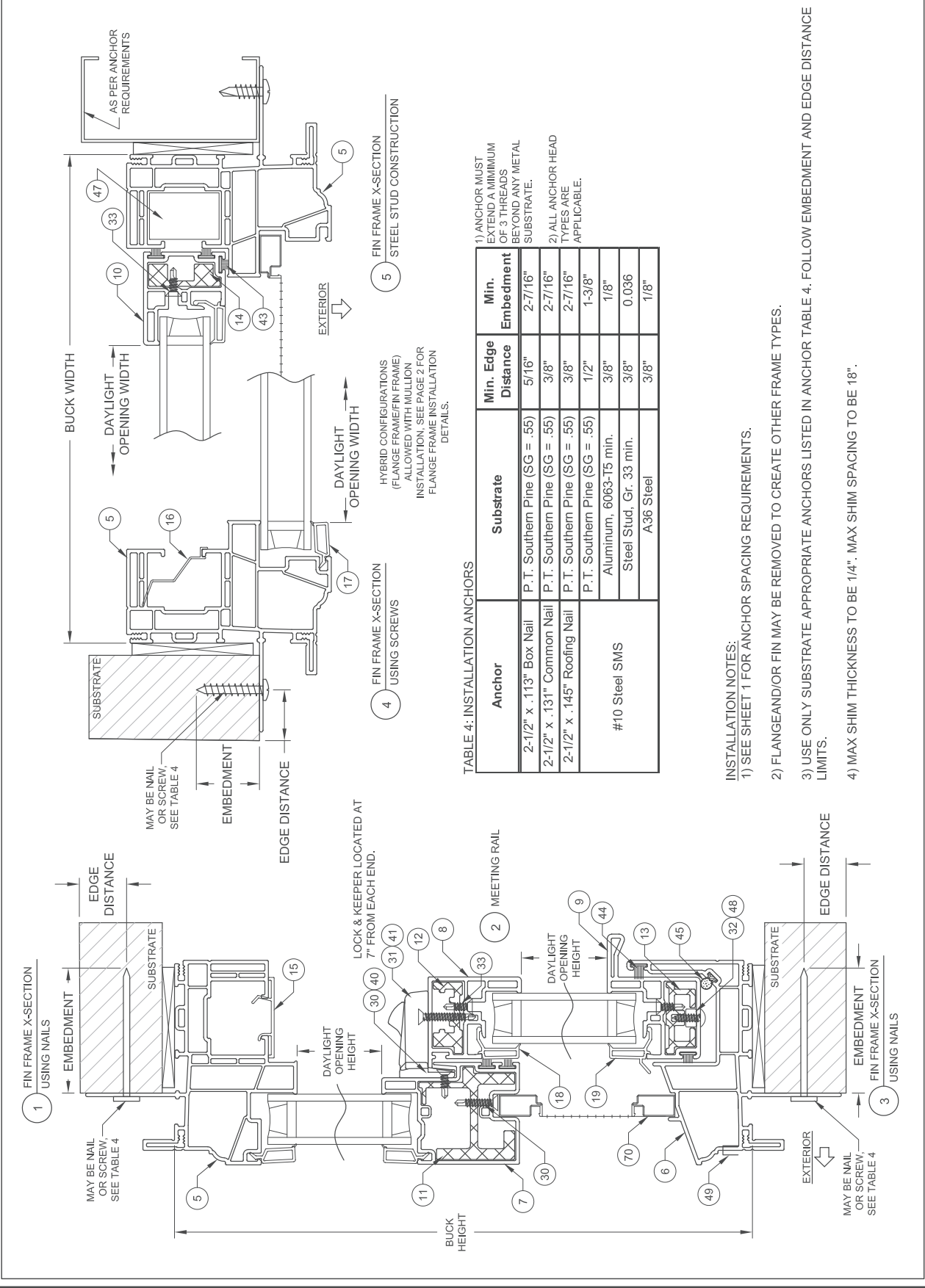
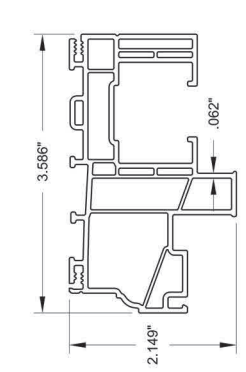


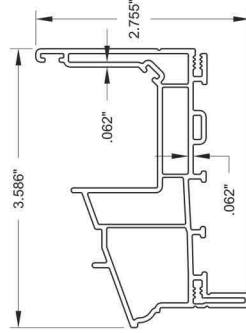
TABLE 5:

#	Part #	Description	Material
1	9465	Head & Jamb, w/Flange	PVC
2	9469	Sill, w/Flange	PVC
3	9465	Head & Jamb, Equal Leg	PVC
4	9469	Sill, Equal Leg	PVC
5	9455	Head & Jamb, w/Nailing Fin	PVC
6	9459	Sill, w/Nailing Fin	PVC
7	9477	Meeting Rail	PVC
8	9485	Lock Rail	PVC
9	9476	Sash Lift Rail	PVC
10	9438	Sash Stiles	PVC
11	6166	Reinf. - Meeting Rail	6063-T5
12	6165	Reinf. - Lock Rail	6063-T5
13	6163	Reinf. - Lift Rail	6063-T5
14	6164	Reinf. - Stiles	6063-T5
15	9473	Sash Stop	PVC
16	9468	Balancer Cover	PVC
17	9736	Fixed Lite Glazing Bead	PVC
18	9425	Sash Glazing Bead	PVC
30	1012	Screw, #6 x 3/4" PFH	Steel
31	1007	Screw, #6 x 1-1/8" PFH	Steel
32	1015	Screw, #8 x 1/2" PTRUSS	Steel
33	1003	Screw, #6 x 1/2" PFH	Steel
40	8096	Keeper	Zinc
41		Lock	
42	8121	MR Backing Plate	SS
43	4006	WSTP, .270" x .220" Polyfin	
44	4008	WSTP, .270" x .320" Polyfin	
45	4012	WSTP, Bulb Vinyl, .187" x .300"	Steel
46	8205/8206	Tilt Latch, L&R	Zinc
47		Balance	
48	8148	Pivot Bar	SS
49	8223	Weep Cover	Nylon
60	RGS 7700	Pecora 895, SikaFlex 552, Dow 791, 983 or 995	
61		Insulated Glass Spacer	
62	7061	Setting Block, 1/8" x 7/8" x 2"	EPDM
70	6244	Screen Frame	Aluminum

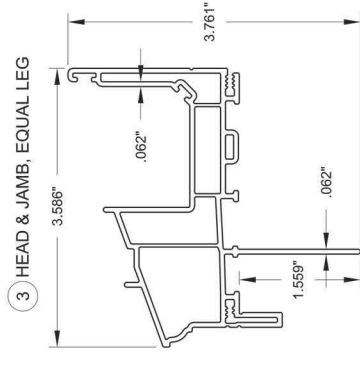
THE APPROVED, RIGID PVC EXTERIOR EXTRUSIONS ARE TO BE PRODUCED BY EXTRUDERS' LICENSEES UNDER "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".



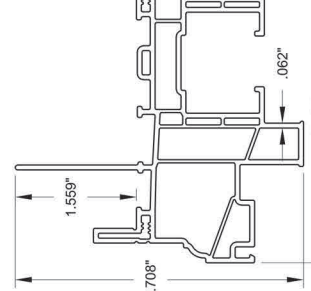
① HEAD & JAMB, w/FLANGE



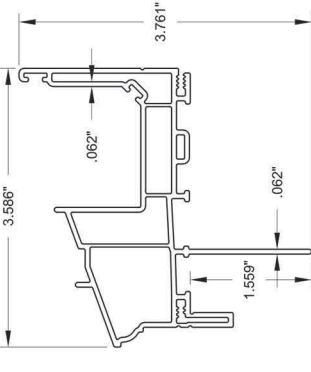
② SILL, w/FLANGE



③ HEAD & JAMB, EQUAL LEG

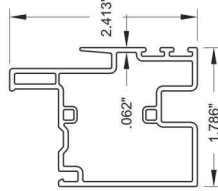


④ SILL, EQUAL LEG

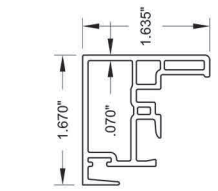


⑤ HEAD & JAMB, w/NAILING FIN

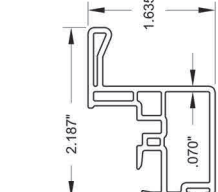
⑥ SILL, w/NAILING FIN



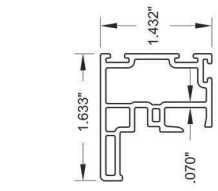
⑦ MEETING RAIL



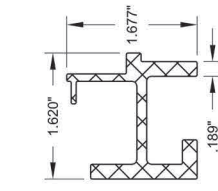
⑧ LOCK RAIL



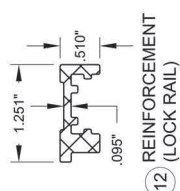
⑨ LIFT RAIL



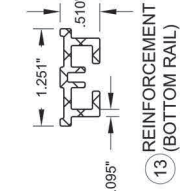
⑩ SASH STILE



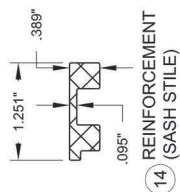
⑪ REINFORCEMENT (MEETING RAIL)



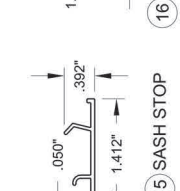
⑫ REINFORCEMENT (LOCK RAIL)



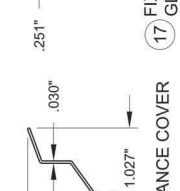
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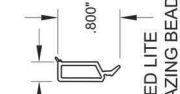
⑭ REINFORCEMENT (SASH STILE)



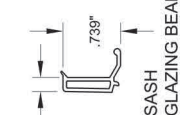
⑮ SASH STOP



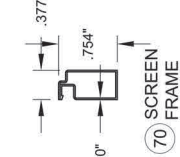
⑯ BALANCE COVER



⑰ FIXED LITE GLAZING BEAD



⑱ SASH GLAZING BEAD



⑳ SCREEN FRAME

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

CGI Windows & Doors
IMPACT RESISTANT
CGI WINDOWS AND DOORS
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HIALEAH, FL 33018
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REGISTRATION #29296
04/14/23
VINYL SINGLE HUNG WINDOW (NI)
EXTRUSIONS & BOM
LOGAN YODER
SH800V-FPA-NI

5 OF 6
DWG No.

SH800V
Sheet

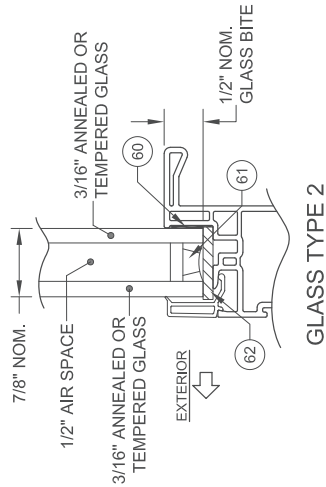
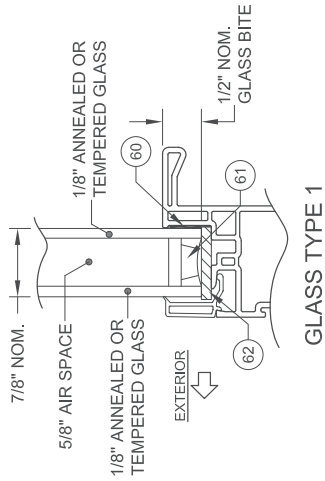
MINOR EDITORIAL CHANGES
08/17/23
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ANTHONY LYNN MILLER
No. 58705
08/18/23
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705



Serial	SH800V	Sheet	6 OF 6	DWG No.	
Desc. Title	GLASS DETAILS				
Drawn By	LOGAN YODER				
Date	04/14/23				
CGI WINDOWS AND DOORS 3780 W. 104TH STREET HIALEAH, FL 33018		VINYL SINGLE HUNG WINDOW (NI)			
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Impact Resistant Windows & Doors		PREPARED BY A. LYNN MILLER			

Rev.	MINOR EDITORIAL CHANGES
Date	08/17/23
Rev. #	A



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Search Criteria

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Code Version	2023	FL#	38619.2
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		

Search Results - Applications

FL#	Type	Manufacturer	Validated By	Status
FL38619-R3 History	Revision	CGI Windows and Doors FL#: FL38619.2 Model: HR810V Description: Non-impact Resistant, Vinyl, Horizontal Roller Window Category: Windows Subcategory: Horizontal Slider	Steven M. Urich, 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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FL #	FL38619-R3										
Application Type	Revision										
Code Version	2023										
Application Status	Approved										
Comments											
Archived	☐										
Product Manufacturer	CGI Windows and Doors										
Address/Phone/Email	10100 NW 25 Street Miami, FL 33172 (305) 593-6590 Lmiller@pgtindustries.com										
Authorized Signature	Jens Rosowski jrosowski@pgtindustries.com										
Technical Representative	Lynn Miller, P.E.										
Address/Phone/Email	1070 Technology Dr N Venice, FL 34275 (941) 486-0100 Ext 21142 lmiller@pgtindustries.com										
Quality Assurance Representative											
Address/Phone/Email											
Category	Windows										
Subcategory	Horizontal Slider										
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	A. Lynn Miller, P.E.										
Florida License	PE-58705										
Quality Assurance Entity	Keystone Certifications, Inc.										
Quality Assurance Contract Expiration Date	12/31/2032										
Validated By	Steven M. Urlich, PE ☒ Validation Checklist - Hardcopy Received										
Certificate of Independence	FL38619_R3_COI_Cert of Independence.pdf										
Referenced Standard and Year (of Standard)	<table> <thead> <tr> <th>Standard</th> <th>Year</th> </tr> </thead> <tbody> <tr> <td>AAMA/WDMA/CSA 101/1S2/A440</td> <td>2017</td> </tr> <tr> <td>ASTM E1300</td> <td>2009</td> </tr> <tr> <td>ASTM E1886</td> <td>2013</td> </tr> <tr> <td>ASTM E1996</td> <td>2017</td> </tr> </tbody> </table>	Standard	Year	AAMA/WDMA/CSA 101/1S2/A440	2017	ASTM E1300	2009	ASTM E1886	2013	ASTM E1996	2017
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AAMA/WDMA/CSA 101/1S2/A440	2017										
ASTM E1300	2009										
ASTM E1886	2013										
ASTM E1996	2017										
Equivalence of Product Standards Certified By	Florida Licensed Professional Engineer or Architect FL38619_R3_Equiv_AAMA 101-97 and 05 to AAMA 101-17 Equivalency Letter 2020-09-15.pdf										

HR810V HORIZONTAL ROLLER WINDOW,
NON-IMPACT RESISTANT,
FLANGE, EQUAL-LEG & FIN FRAMES

- 1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, EXCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2) SHUTTERS ARE REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.
- 3) MASONRY ANCHORS MAY BE USED INTO WOOD. ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER.
- 4) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH.
- 5) MAX. 1/4" SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS.
- 6) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WIND LOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.
- 7) FRAME FLANGES OR INTEGRAL FINIS MAY BE TRIMMED IN-FIELD TO CREATE AN EQUAL-LEG FRAME.

FLORIDA PRODUCT APPROVAL #38619

DP RATING	NOT RATED FOR MISSILE IMPACT RESISTANCE
SEE TABLES 1 & 2	

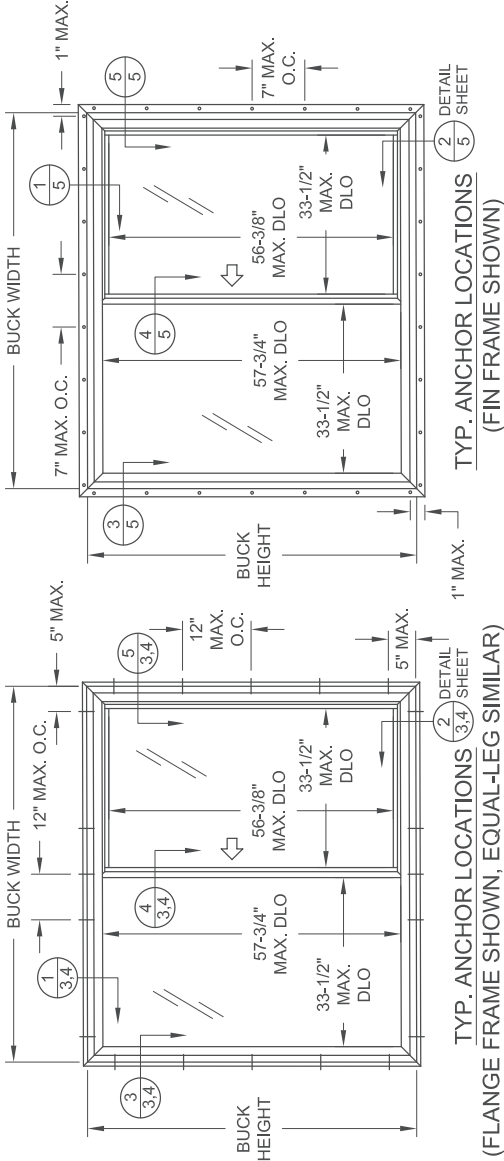
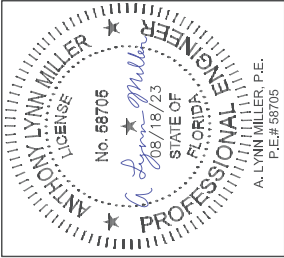


TABLE 1: DESIGN PRESSURES

Buck Width	Buck Height	Configuration	Impact Level	Frame Type	Glass Type	Design Pressure	
						(+) psf	(-) psf
74"	62"	XO/OX	Non-Impact	Flange, Equal-Leg	1 or 2	45.0	45.0
74"	62"	XO/OX	Non-Impact	Flange, Equal-Leg	3 or 4	55.0	65.0
60"	60"	XO/OX	Non-Impact	Flange, Equal-Leg	1 or 2	55.0	55.0
74"	62"	XO/OX	Non-Impact	Integral Fin	1 or 2	45.0	45.0
74"	62"	XO/OX	Non-Impact	Integral Fin	3 or 4	55.0	60.0
60"	60"	XO/OX	Non-Impact	Integral Fin	1 or 2	50.0	50.0

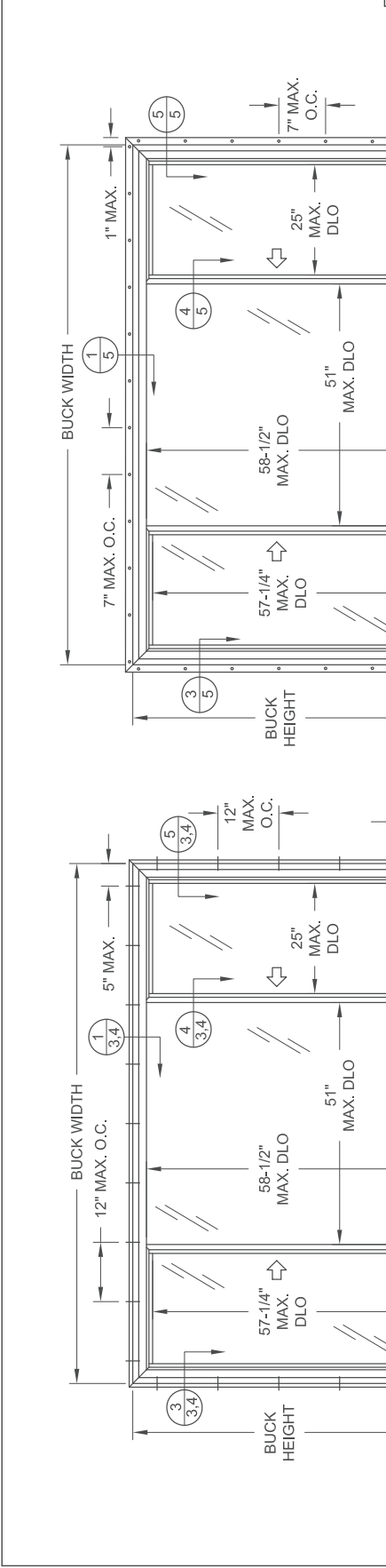
FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION.
FOR GLASS TYPES, SEE SHEET 7.

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IMPACT RESISTANT		VINYL HORIZONTAL ROLLER WINDOW (NI)		ELEVATION & GENERAL NOTES	
Drawn By: LOGAN YODER		Date: 04/17/23		Sheet: 1 OF 6	
DWG No. HR810V-FPA-NI					



Rev	Date	Minor Editorial Updates
1	08/17/22	

Rev.	Minor Editorial Updates	Date	08/17/22
Rev.	A		



Series	Desc.	Title
HR810V	GENERAL NOTES, XOX DESIGN PRESSURES & ANCHOR ELEVATION	VINYL HORIZONTAL ROLLER WINDOW (NI)
2 OF 6	Drawn By	LOGAN YODER
DWG No.	Date	04/17/23
HR810V-FPA-NI		

Buck Width	Buck Height	Configuration	Impact Level	Frame Type	Glass Types	Design Pressure	
						(+) psf	(-) psf
82-7/8"	63"	XOX (1/3, 1/3, 1/3)	Non-Impact	Flange, Equal-Leg	Operable Lite: 1-4 Fixed Lite: 1-4	50.0	50.0
82-7/8"	63"	XOX (1/3, 1/3, 1/3)	Non-Impact	Fin	Operable Lite: 1-4 Fixed Lite: 1-4	45.0	45.0
111"	63"	XOX (1/4, 1/2, 1/4)	Non-Impact	Flange, Equal-Leg	Operable Lite: 1-4 Fixed Lite: See Table 2A	50.0	50.0
111"	63"	XOX (1/4, 1/2, 1/4)	Non-Impact	Fin	Operable Lite: 1-4 Fixed Lite: See Table 2A	45.0	45.0

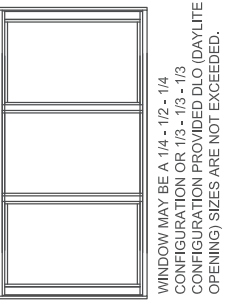
Impact Resistant Windows & Doors
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ANTHONY LYNN MILLER
 No. 58705
 08/18/23
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 A. LYNN MILLER, P.E.
 P.E.# 58705

TABLE 2A:

Allowable Glass Types for the Fixed Lite of an XOX 1/4 - 1/2 - 1/4

Height	Width					
	60"	72"	84"	96"	108"	111"
36"	1 - 4	1 - 4	1 - 4	1 - 4	1 - 4	1 - 4
48"	1 - 4	1 - 4	1 - 4	1 - 4	2 - 4	2 - 4
54"	1 - 4	1 - 4	1 - 4	2 - 4	2 - 4	2 - 4
60"	1 - 4	1 - 4	2 - 4	2 - 4	3 & 4	3 & 4
63"	1 - 4	1 - 4	2 - 4	2 - 4	3 & 4	3 & 4



- 1) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION.
- 2) FOR GLASS DESCRIPTIONS, SEE SHEET 7.
- 3) BUCK DIMENSIONS SHOWN.

TABLE 2A:

Allowable Glass Types for the Fixed Lite of an XOX 1/4 - 1/2 - 1/4

Height	Width					
	60"	72"	84"	96"	108"	111"
36"	1 - 4	1 - 4	1 - 4	1 - 4	1 - 4	1 - 4
48"	1 - 4	1 - 4	1 - 4	1 - 4	2 - 4	2 - 4
54"	1 - 4	1 - 4	1 - 4	2 - 4	2 - 4	2 - 4
60"	1 - 4	1 - 4	2 - 4	2 - 4	3 & 4	3 & 4
63"	1 - 4	1 - 4	2 - 4	2 - 4	3 & 4	3 & 4

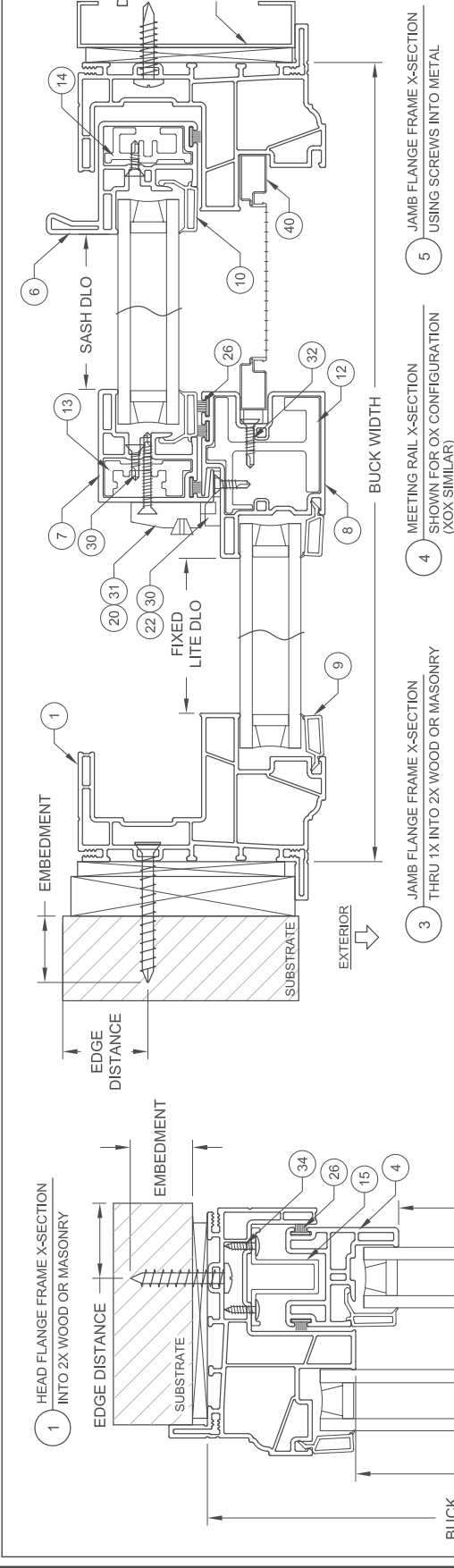
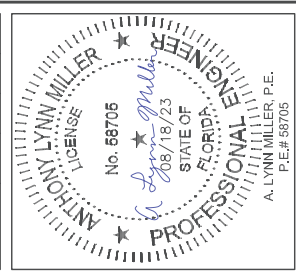
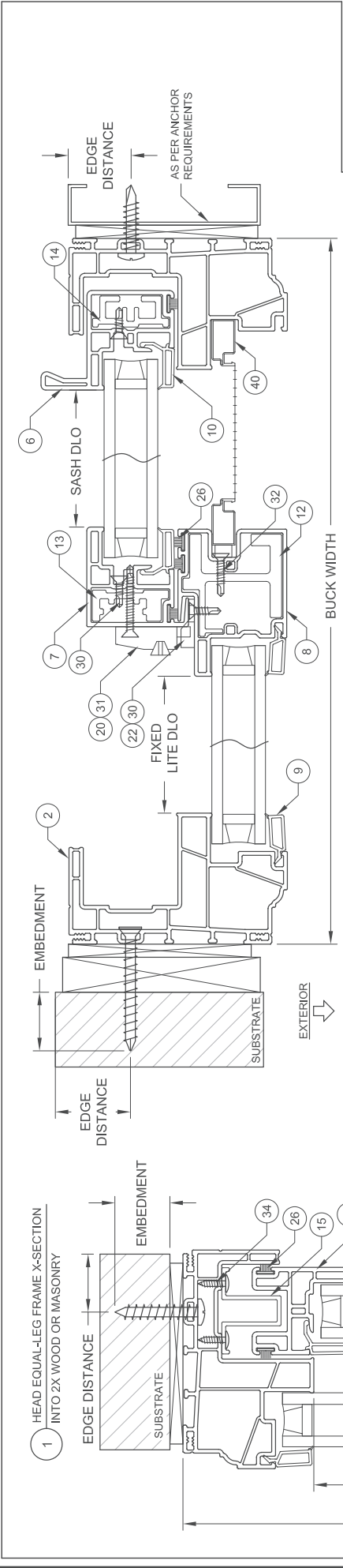


TABLE 3: INSTALLATION ANCHORS

Anchor	Substrate	Minimum Edge Distance	Minimum Embedment
#10 or #12 Steel or 410 SS Screw	Southern Pine (SG = .55)	9/16"	1-3/8"
	Aluminum, 6063-T5 min.	3/8"	0.050"
	Steel Stud, Gr. 33 min.	3/8"	0.045" (20 Ga)
	A36 Steel	3/8"	0.050"
3/16" Steel Ultracon+	Concrete (min. 2.9 ksi)	1"	1-3/4"
	Ungrouted CMU, (ASTM C-90)	1"	1-1/4"
1/4" Steel Ultracon+	Southern Pine (SG = .55)	1"	1-3/8"
	Concrete (min. 3.0 ksi)	1"	1-3/8"
	Ungrouted CMU, (ASTM C-90)	1"	1-1/4"
	Southern Pine (SG = .55)	1"	1-3/8"

- 1) ANCHOR MUST EXTEND A MINIMUM OF 3 THREADS BEYOND ANY METAL SUBSTRATE.
 2) "UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.
 3) ALL ANCHOR HEAD TYPES ARE APPLICABLE.

- INSTALLATION NOTES:
 1) SEE SHEET 1 FOR ANCHOR SPACING REQUIREMENTS.
 2) ANY INSTALLATION OPTION SHOWN (2X BUCK OR WOOD FRAMING, 1X BUCK, DIRECT TO MASONRY, STEEL STUD) MAY BE USED ON ANY SIDE OF THE WINDOW.
 3) USE ONLY SUBSTRATE APPROPRIATE ANCHORS LISTED IN ANCHOR TABLE 3. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. MAX. SHIM THICKNESS TO BE 1/4".



Prepared by A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
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REGISTRATION #29296

Desc. Title

HR810V

4 OF 6

Sheet

ANCHOR TYPES

Drawn By

LOGAN YODER

Date

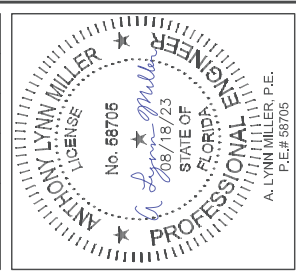
04/17/23

VINYL HORIZONTAL ROLLER WINDOW (NI)

EQUAL-LEG INSTALLATION &

HR810V-FPA-NI

DWG No.



- 1) SEE SHEET 1 FOR ANCHOR SPACING REQUIREMENTS.
- 2) ANY INSTALLATION OPTION SHOWN (2X BUCK OR WOOD FRAMING, 1X BUCK, DIRECT TO MASONRY, STEEL STUD) MAY BE USED ON ANY SIDE OF THE WINDOW.
- 3) USE ONLY SUBSTRATE APPROPRIATE ANCHORS LISTED IN ANCHOR TABLE 4. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. MAX. SHIM THICKNESS TO BE 1/4".

TABLE 4: INSTALLATION ANCHORS

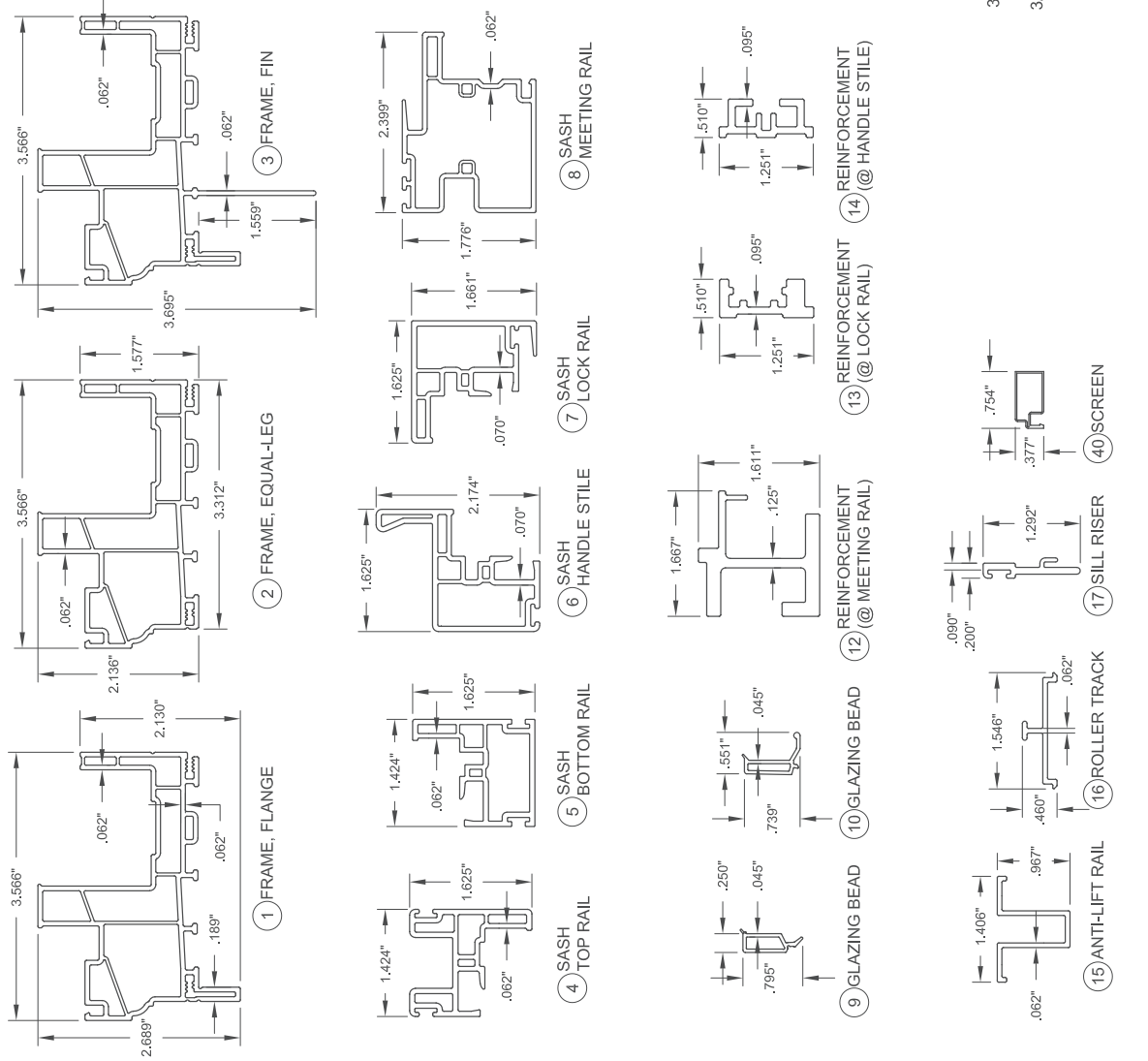
Anchor	Substrate	Minimum Edge Distance	Minimum Embedment
#10 or #12 Steel or 410 SS Screw	Southern Pine (SG = .55)	9/16"	1-3/8"
	Aluminum, 6063-T5 min.	3/8"	0.050"
	Steel Stud, Gr. 33 min.	3/8"	0.045" (20 Ga)
	A36 Steel	3/8"	0.050"
3/16" Steel Ultracon+	Concrete (min. 2.9 ksi)	1"	1-3/4"
	Ungrouted CMU, (ASTM C-90)	1"	1-1/4"
1/4" Steel Ultracon+	Southern Pine (SG = .55)	1"	1-3/8"
	Concrete (min. 3.0 ksi)	1"	1-3/8"
	Ungrouted CMU, (ASTM C-90)	1"	1-1/4"
	Southern Pine (SG = .55)	1"	1-3/8"

1) ANCHOR MUST EXTEND A MINIMUM OF 3 THREADS BEYOND ANY METAL SUBSTRATE.
2) "UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.
3) ALL ANCHOR HEAD TYPES ARE APPLICABLE.

BILL OF MATERIALS

BILL OF MATERIALS			
ITEM #	PART #	DESCRIPTION	MATERIAL
1		Frame, Flange	PVC
2	9439	Frame, Equal-Leg	PVC
3		Frame, Fin	PVC
4	9478	Sash Top Rail	PVC
5	9424	Sash Bottom Rail	PVC
6	9475	Sash Handle Stile	PVC
7	9476	Sash Lock Rail	PVC
8	9477	Sash Meeting Rail	PVC
9	9436	Glazing Bead	PVC
10	9425	Glazing Bead	PVC
12	6165	Reinforcement @ Meeting Rail	6063-16
13	6163	Reinforcement @ Lock Rail	6063-16
14	6166	Reinforcement @ Handle Stile	6063-16
15	6162	Anti-Lift Rail	6063-16
16	6161	Roller Track	6063-16
17	6158	Sill Riser	6063-16
20		Lock	
22		Keeper	
24	8153	Roller Assm.	
25	8223	Weep Cover	
26	4007	Weatherstrip, .270" x .250" Polyfin	Composite
30	1003	Screw, #6 x 1 1/2" PFH	Steel
31	1007	Screw, #6 x 1-1/4" PFH	Steel
32	1012	Screw, #6 x 3/4" PFH	Steel
33	1015	Screw, #8 x 1 1/2" PTRUSS	Steel
34	1067	Screw, #6 x 3/8" PPH	Steel
35		RG5/700, Sika 552, Dow 791,983,995 Backbedding	
36		IG Spacer	varies
37		Setting Block	varies
40	6244	Screen	Nylon

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 Impact Resistant Windows & Doors	CGI WINDOWS AND DOORS 3760 W. 104TH STREET HIALEAH, FL 33018		VINYL HORIZONTAL ROLLER WINDOW (NI) 04/17/23	Drawn By: LOGAN YODER	EXTRUSIONS & BOM	Sheet 6 OF 6 DWG No.	HR1810V HR810V-FPA-NI	CHAIRS (SEAT) / 1000
	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296 COPYRIGHT © 2023 PGT, INC., LIMITED LICENSE TO MAKE COPIES FOR PERMANENT.							

A circular professional engineer seal for Lynn Miller, No. 58705, State of Florida, License 1. The seal features the text "JOHN LYNN MILLER" around the top inner edge, "PROFESSIONAL ENGINEER" around the bottom inner edge, and "FLORIDA" in the center. The license number "No. 58705" is on the left, and "STATE OF FLORIDA" is on the right. The name "Lynn Miller" is handwritten in blue ink across the center.



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Search Criteria

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Code Version	2023	FL#	38620.2
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		

Search Results - Applications

FL#	Type	Manufacturer	Validated By	Status
FL38620-R3 History	Revision	CGI Windows and Doors FL#: FL38620.2 Model: PW820V Description: Non-impact Resistant, Vinyl, Fixed Window Category: Windows Subcategory: Fixed	Steven M. Urich, 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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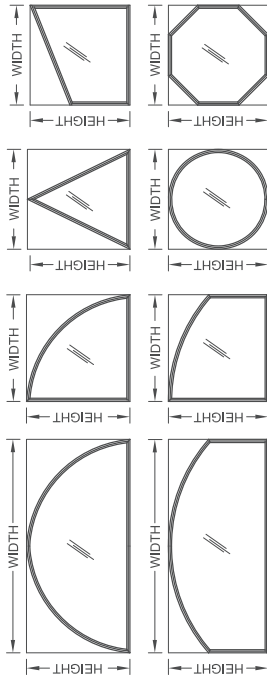
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FL #	FL38620-R3												
Application Type	Revision												
Code Version	2023												
Application Status	Approved												
Comments													
Archived	☐												
Product Manufacturer	CGI Windows and Doors												
Address/Phone/Email	10100 NW 25 Street Miami, FL 33172 (305) 593-6590 Lmiller@pgtindustries.com												
Authorized Signature	Jens Rosowski jrosowski@pgtindustries.com												
Technical Representative	Lynn Miller, P.E.												
Address/Phone/Email	1070 Technology Dr N Venice, FL 34275 (941) 486-0100 Ext 21142 lmiller@pgtindustries.com												
Quality Assurance Representative													
Address/Phone/Email													
Category	Windows												
Subcategory	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	A. Lynn Miller, P.E.												
Florida License	PE-58705												
Quality Assurance Entity	Keystone Certifications, Inc.												
Quality Assurance Contract Expiration Date	12/31/2032												
Validated By	Steven M. Urch, PE ☒ Validation Checklist - Hardcopy Received												
Certificate of Independence	FL38620_R3_COI_Cert of Independence.pdf												
Referenced Standard and Year (of Standard)	<table> <thead> <tr> <th>Standard</th><th>Year</th></tr> </thead> <tbody> <tr> <td>AAMA/WDMA/CSA 101/1S2/A440</td><td>2017</td></tr> <tr> <td>ASTM E1300</td><td>2009</td></tr> <tr> <td>ASTM E1886</td><td>2019</td></tr> <tr> <td>ASTM E1996</td><td>2020</td></tr> <tr> <td>TAS 201, 202 & 203</td><td>1994</td></tr> </tbody> </table>	Standard	Year	AAMA/WDMA/CSA 101/1S2/A440	2017	ASTM E1300	2009	ASTM E1886	2019	ASTM E1996	2020	TAS 201, 202 & 203	1994
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Equivalence of Product Standards Certified By	Florida Licensed Professional Engineer or Architect FL38620_R3_Equiv_AAMA 101-97 and 05 to AAMA 101-17 Equivalency												

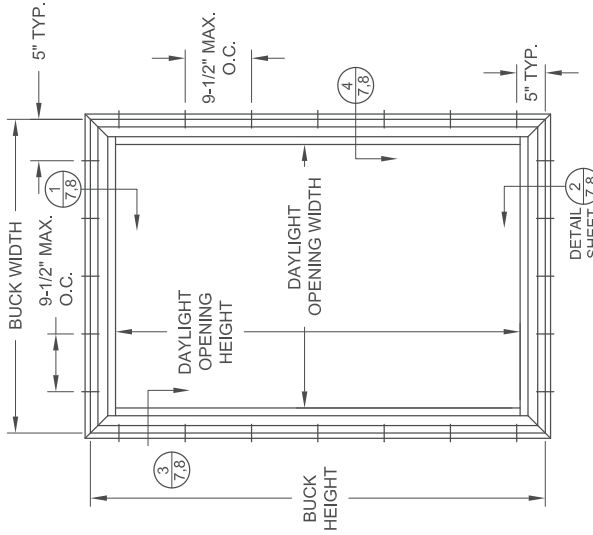
PW820V FIXED WINDOW, NON-IMPACT RESISTANT, FLANGE, EQUAL-LEG, & FIN FRAMES

- 1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, EXCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2) SHUTTERS ARE REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.
- 3) MASONRY ANCHORS MAY BE USED INTO WOOD. ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER.
- 4) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH.
- 5) MAX. 1/4" SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS.
- 6) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WIND LOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.
- 7) FRAME FLANGES OR INTEGRAL FINS MAY TRIMMED IN-FIELD TO CREATE AN EQUAL-LEG FRAME.

SHAPES AS SHOWN BELOW, OR SIMILAR, MAY BE USED BY INSCRIBING THE SHAPE IN A BLOCK AND OBTAINING DESIGN PRESSURES FOR THAT BLOCK SIZE FROM THE TABLES ON SHEETS 2-6.

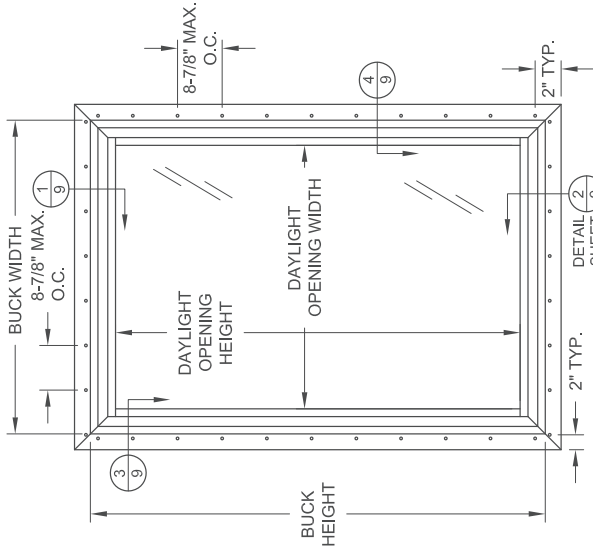


ALL TEMPERED AND/OR LAMINATED GLASS OPTIONS IN THIS APPROVAL HAVE BEEN CERTIFIED BY THE SGCC FOR COMPLIANCE TO ANSI Z97.1, CLASS A AND CPSC 16 CFR 1201, CATEGORY II. THIS INCLUDES LAMINATED GLASS THAT IS MANUFACTURED WITH ANNEALED GLASS PILES. FOR APPLICATIONS WHERE THE WINDOW IS BEING USED AS A GUARD, HEAT STRENGTHENED OR TEMPERED LAMINATED GLASS MUST BE USED.



TYP. ANCHOR LOCATIONS
(FLANGED FRAME, EQUAL-LEG SIM.)
SEE TABLES A-E FOR SIZES

DETAIL (2)
SHEET (7/8)



TYP. ANCHOR LOCATIONS
(INTEGRAL FIN FRAME)
SEE TABLES A-E FOR SIZES

DETAIL (2)
SHEET (9)

FLORIDA PRODUCT APPROVAL #38620

DP RATING
SEE TABLES A-E

NOT RATED FOR
IMPACT RESISTANCE

Rev. MINOR EDITORIAL UPDATES 08/17/23

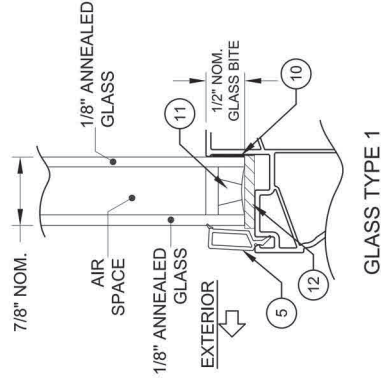
Impact Resistant Windows & Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296 COPYRIGHT © 2023 PGT, INC., LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.		CGI WINDOWS AND DOORS 3780 W. 104TH STREET HIALEAH, FL 33018	VINYL FIXED WINDOW (NI) DATE 04/17/23 DRAWN BY LOGAN YODER	PW820V SHEET 1 OF 10 DWG NO. PW820V-FPA-NI
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ANTHONY LYNN MILLER LICENSE No. 58705 08/18/23 STATE OF FLORIDA PROFESSIONAL ENGINEER A. LYNN MILLER, P.E. P.E.# 58705

DAYLIGHT OPENING WIDTH = BUCK WIDTH - 4.25
DAYLIGHT OPENING HEIGHT = BUCK HEIGHT - 4.25

TABLE A:

Window Design Pressure (+/- psf)																				
Glass Type 1: 7/8" IG (1/8" A - AIRSPACE - 1/8" A)																				
Window Dimensions		Long Side (in.)																		
		48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84
Short Side (in.)	18	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.3	98.4	97.7	97.2	96.6	96.2
	20	96.9	94.0	91.6	89.6	87.5	85.8	84.5	83.1	81.8	80.7	79.6	78.7	77.9	77.1	76.5	76.0	75.5	75.0	74.6
	22	87.8	83.8	80.2	77.0	74.8	72.9	71.2	69.8	68.4	67.2	66.0	65.0	64.1	63.2	62.4	61.7	61.0	60.4	59.8
	24	84.5	79.2	74.9	72.0	69.1	66.6	64.1	61.8	59.7	57.8	56.4	55.3	54.1	53.2	52.2	51.5	50.8	50.1	49.4
	26	83.7	78.6	74.0	70.7	67.4	64.1	60.7	57.5	55.2	53.4	51.6	50.1	48.5	47.2	46.2	45.3	44.4	43.7	43.1
	28	83.5	78.4	74.0	70.8	67.5	63.9	60.4	56.7	54.3	52.0	49.9	47.6	45.9	44.6	43.3	42.0	40.8	39.8	38.6
	30	82.3	78.2	74.1	70.8	67.7	64.5	61.0	57.3	54.6	52.3	49.9	47.3	45.6	44.1	42.4	40.7	39.2	37.7	
	32	80.6	76.4	73.3	70.4	67.3	64.2	61.4	58.1	55.2	52.8	50.5	48.1	46.0	44.3	42.7				
	34	77.8	74.4	71.5	68.8	66.3	63.6	60.6	57.7	55.4	53.3	51.0	48.6	46.6						
	36	74.3	71.8	69.5	66.8	64.1	61.8	59.5	56.8	54.7	52.7	51.1								
	38	71.6	68.9	66.5	64.2	61.9	59.4	57.1	55.3	53.6										
	40	68.6	66.2	63.7	61.2	59.0	56.8	55.0												
	42	65.6	63.2	60.8	58.3	56.0	54.3													
	44	62.6	60.1	57.6	55.6															
	46	59.9	57.2	55.0																
	48	57.2	54.9																	



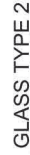
NOTES: 1) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION.

Impact Resistant Windows & Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296 COPYRIGHT © 2023 PGT, INC., LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.		CGL WINDOWS AND DOORS 3780 W. 104TH STREET HIALEAH, FL 33018
VINYL FIXED WINDOW (NI) Date: 04/17/23	Drawn By: LOGAN YODER	DP TABLES & GLASS TYPES PW820V
2 OF 10 DWG No.	PW820V-FPA-NI	Sheet 2 OF 10



Window Design Pressure (+/- psf)
Glass Type 2: 7/8" IG (3/16" A - AIRSPACE - 3/16" A)

Short Side (in.)



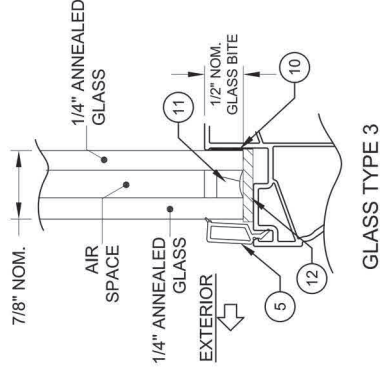
NOTES: 1) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION.

TABLE C:

Window Design Pressure (+/- psf)																									
Glass Type 3: 7/8" IG (1/4" A - AIRSPACE - 1/4" A)																									
Window Dimensions		Long Side (in.)																							
		74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
44		80.0	78.1	75.2	73.2	71.2	69.2	67.3	65.3	63.3	61.1	58.8	56.7	55.6	54.5	53.4	52.3	51.2	50.3	49.4	48.4	47.5	46.8	46.2	45.6
46		80.0	77.1	74.5	72.6	70.7	68.7	66.7	64.6	62.6	60.5	58.3	56.1	54.6	53.2	52.1	50.9	49.8	48.4	47.2	46.4	45.6	45.0	44.4	43.6
48		79.4	76.3	74.0	72.1	70.3	68.3	66.2	64.2	62.1	60.1	57.9	55.8	54.4	53.0	51.5	50.0	48.7	47.5	46.4	45.5	44.5	43.6	42.9	42.2
50		78.6	75.6	73.5	71.6	69.8	67.8	65.9	63.9	61.9	59.7	57.6	55.8	54.4	52.9	51.5	49.9	48.4	46.9	46.0	45.1	44.2			
52		77.4	74.9	73.0	71.1	69.2	67.3	65.4	63.5	61.5	59.5	57.4	55.6	54.2	52.9	51.5	49.9	48.4	47.0	45.9					
54		75.9	74.0	72.3	70.7	68.7	66.8	64.9	63.0	61.1	59.3	57.2	55.6	54.2	52.7	51.4	50.0	48.4							
56		74.7	72.9	71.3	69.7	68.1	66.3	64.4	62.4	60.6	58.7	56.8	55.4	54.1	52.7	51.3									
58		73.8	72.0	70.2	68.5	67.0	65.5	63.9	61.9	60.0	58.1	56.4	55.1	54.0											
60		72.7	70.9	69.1	67.5	65.8	64.2	62.8	61.3	59.5	57.6	56.0	54.6												
62		71.3	69.8	68.1	66.4	64.6	63.0	61.5	60.1	58.7	57.1														
64		69.7	68.2	66.8	65.2	63.5	61.9	60.3	58.7	57.2															
66		68.1	66.6	65.2	63.8	62.2	60.6	59.0																	
68		66.6	65.1	63.6	62.1	60.7	59.3																		
70		65.2	63.6	62.0	60.5	59.1																			
72		63.8	62.1	60.5	59.0																				
74		62.3	60.7																						

Short Side (in.)

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PREPARED BY A. LYNN MILLER		VINYL FIXED WINDOW (NI)		04/17/23	
DP TABLES & GLASS TYPES		LOGAN YODER		Drawn By	
PW820V		4 OF 10		DWG No.	
PW820V-FPA-NI					

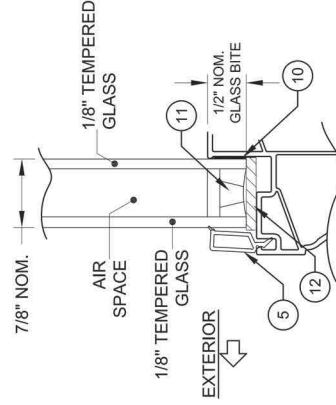


NOTES:

1) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION.

TABLE D:

		Window Design Pressure (+/- psf)															
		Glass Type 4: 7/8" IG (1/8" T - AIRSPACE - 1/8" T)															
Window Dimensions		Long Side (in.)															
		48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78
18	Short Side (in.)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
20		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
22		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
24		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
26		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
28		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
32		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
34		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
36		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
38		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
40		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
42		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
44		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
46		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
48		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0



GLASS TYPE 4

NOTES:

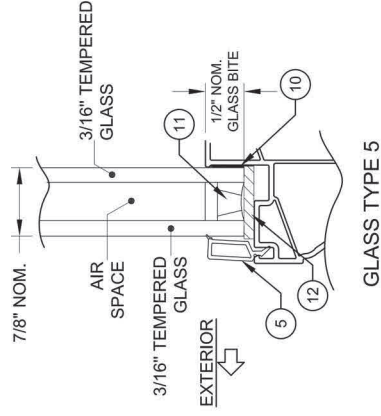
1) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION.

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PREPARED BY A. LYNN MILLER PW820V-FPA-NI	5 OF 10 DWG No.	Sheet PW820V	Series Title	Date 04/17/23	Date 08/17/23

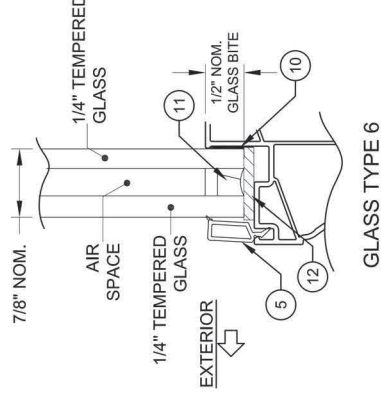


TABLE E:

Window Dimensions	Window Design Pressure (+/- psf)																								
	Glass Type 5: 7/8" IG (3/16" T - AIRSPACE - 3/16" T)																								
	Glass Type 6: 7/8" IG (1/4" T - AIRSPACE - 1/4" T)																								
	Long Side (in.)																								
	75.875	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120	
46	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	84.5	84.1	83.7	80.0	80.0	80.0	80.0	
48	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	84.4	83.9	83.4	82.9	82.4	82.0	80.0	80.0	80.0	80.0	80.0	80.0	
50	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	84.7	84.0	83.4	82.7	82.2	81.6	81.1	80.0	80.0	80.0	80.0	80.0	80.0				
52	85.0	85.0	85.0	85.0	85.0	85.0	84.3	83.5	82.8	82.0	81.3	80.7	80.1	80.0	80.0	80.0	80.0	80.0	80.0						
54	85.0	85.0	85.0	85.0	84.5	83.5	82.6	81.7	81.0	80.2	80.0	80.0	80.0	80.0	80.0	80.0	80.0								
56	85.0	85.0	85.0	84.1	83.0	82.0	81.0	80.1	80.0	80.0	80.0	80.0	80.0	80.0	80.0										
58	85.0	85.0	84.0	82.8	81.6	80.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0												
60	84.4	84.3	82.9	81.6	80.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0													
62	83.4	83.4	81.9	80.6	80.0	80.0	80.0	80.0	80.0	80.0															
64	82.7	82.6	81.1	80.0	80.0	80.0	80.0	80.0	80.0																
66	82.0	81.9	80.4	80.0	80.0	80.0	80.0																		
68	81.5	81.4	80.0	80.0	80.0	80.0																			
70	80.0	80.0	80.0	80.0	80.0																				
72	80.0	80.0	80.0	80.0																					
74	80.0	80.0																							
75.875	80.0																								



GLASS TYPE 5



GLASS TYPE 6

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NOTES:
 1) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION.

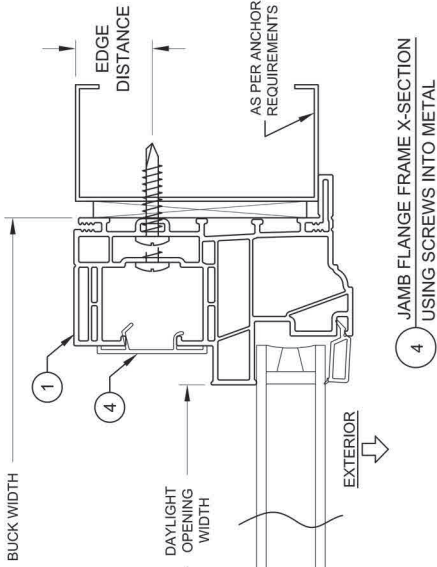
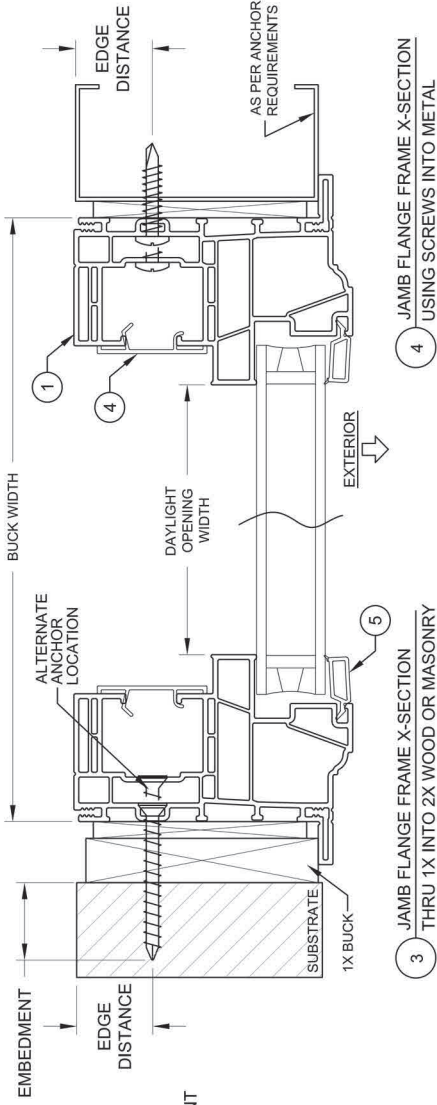
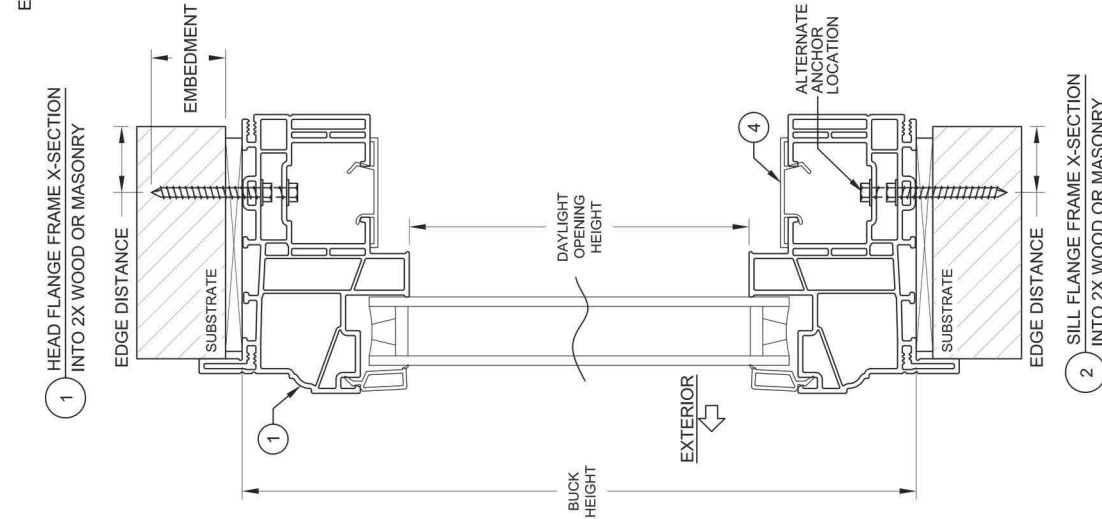


TABLE 2: INSTALLATION ANCHORS

Anchor	Substrate	Minimum Edge Distance	Minimum Embedment
#10 or #12 Steel or 410 SS Screw	Southern Pine (SG = .55)	9/16"	1-3/8"
	Aluminum, 6063-T5 min.	3/8"	0.050"
	Steel Stud, Gr. 33 min.	3/8"	0.045" (20 Ga)
3/16" Steel Ultracon+	A36 Steel	3/8"	0.050"
	Concrete (min. 2.9 ksi)	1"	1-3/4"
	UngROUTED CMU, (ASTM C-90)	1"	1-1/4"
1/4" Steel Ultracon+	Southern Pine (SG = .55)	1"	1-3/8"
	Concrete (min. 3.0 ksi)	1"	1-3/8"
	UngROUTED CMU, (ASTM C-90)	1"	1-1/4"
	Southern Pine (SG = .55)	1"	1-3/8"

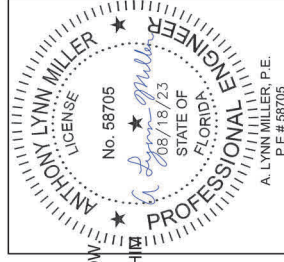
- ANCHOR MUST EXTEND A MINIMUM OF 3 THREADS BEYOND ANY METAL SUBSTRATE.
- "UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.
- ALL ANCHOR HEAD TYPES ARE APPLICABLE.

INSTALLATION NOTES:

- SEE SHEET 1 FOR ANCHOR SPACING REQUIREMENTS.
- ANY INSTALLATION OPTION SHOWN (2X BUCK, 1X BUCK, DIRECT TO MASONRY, STEEL STUD) MAY BE USED ON ANY SIDE OF THE WINDOW.
- USE ONLY SUBSTRATE APPROPRIATE ANCHORS LISTED IN ANCHOR TABLE. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. MAX. STUD THICKNESS TO BE 1/4". ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY OR ALL SIDES OF THE WINDOW.



Prepared By A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	CGI Windows & Doors 3780 W. 104TH STREET HIALEAH, FL 33018	CGI Windows & Doors 3780 W. 104TH STREET HIALEAH, FL 33018
REGISTRATION #29296	COPYRIGHT © 2023 PGT, INC. LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.	DATE 04/17/23
VINYL FIXED WINDOW (NI)		
FLANGE INSTALL SECTION VIEWS		
Drawn By LOGAN YODER	Sheet No. 7 OF 10	DWG No. PW820V-FPA-NI



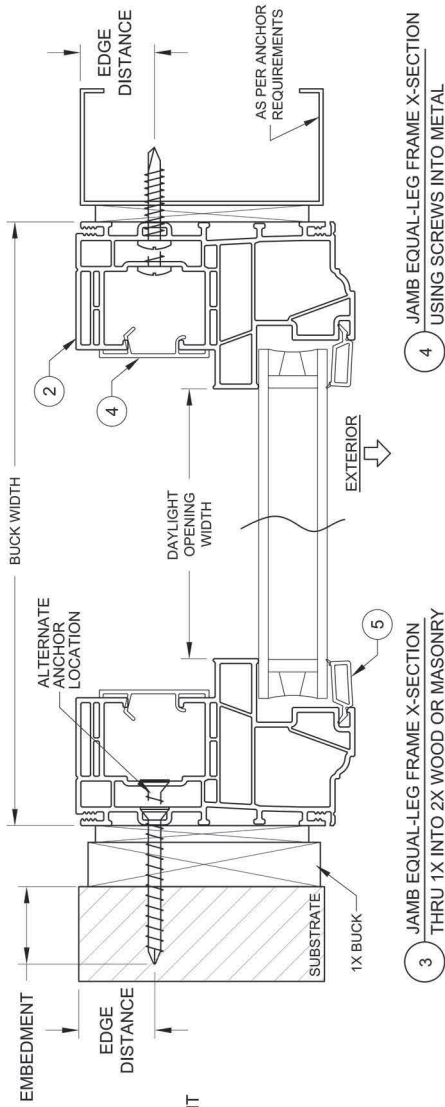
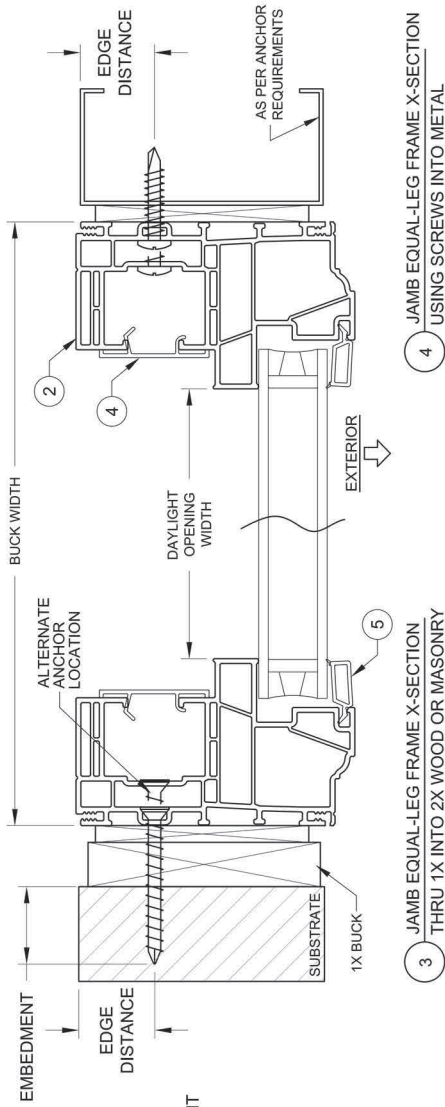
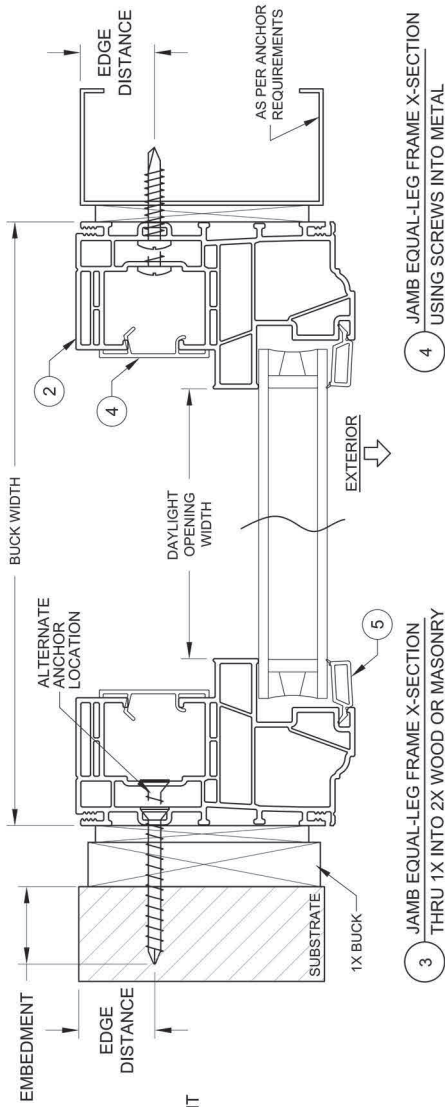
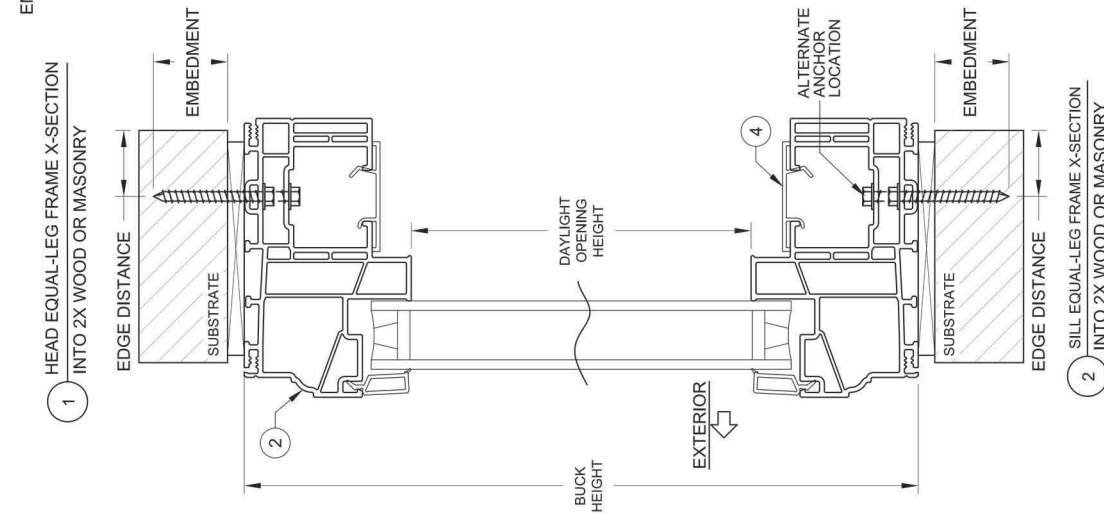


TABLE 3: INSTALLATION ANCHORS

Anchor	Substrate	Minimum Edge Distance	Minimum Embedment
#10 or #12 Steel or 410 SS Screw	Southern Pine (SG = .55)	9/16"	1-3/8"
	Aluminum, 6063-T5 min.	3/8"	0.050"
	Steel Stud, Gr. 33 min.	3/8"	0.045" (20 Ga)
	A36 Steel	3/8"	0.050"
3/16" Steel Ultracon+	Concrete (min. 2.9 ksi)	1"	1-3/4"
	Ungrouted CMU, (ASTM C-90)	1"	1-1/4"
	Southern Pine (SG = .55)	1"	1-3/8"
1/4" Steel Ultracon+	Concrete (min. 3.0 ksi)	1"	1-3/8"
	Ungrouted CMU, (ASTM C-90)	1"	1-1/4"
	Southern Pine (SG = .55)	1"	1-3/8"

- 1) ANCHOR MUST
EXTEND A MINIMUM OF 3
THREADS BEYOND ANY
METAL SUBSTRATE.
- 2) "UNGROUTED CMU"
VALUES MAY BE USED
FOR GROUTED CMU
APPLICATIONS.
- 3) ALL ANCHOR HEAD
TYPES ARE APPLICABLE.

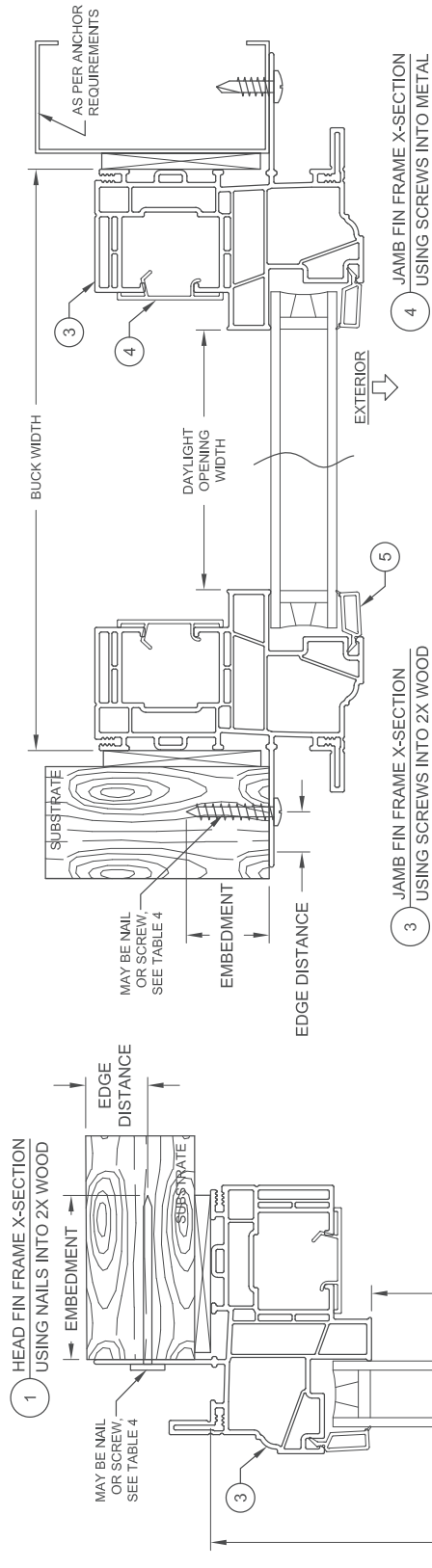
INSTALLATION NOTES:

- INSTALLATION NOTES:
1) SEE SHEET 1 FOR ANCHOR SPACING REQUIREMENTS.
2) ANY INSTALLATION OPTION SHOWN (2X BUCK, 1X BUCK, DIRECT TO MASONRY, STEEL STUD) MAY BE USED ON ANY SIDE OF THE WINDOW.
3) USE ONLY SUBSTRATE APPROPRIATE ANCHORS LISTED IN ANCHOR TABLE. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. MAX. SHEET THICKNESS TO BE 1/4". ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY OR ALL SIDES OF THE WINDOW.

 Impact Resistant Windows & Doors	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296 COPYRIGHT © 2023 PGT, INC., LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.	
	VINYL FIXED WINDOW (NI) EQUAL-LEG INSTALLATION SECTION VIEWS	Drawn By Date	LOGAN YODER 04/17/23	Sheet Dwg. No. 8 OF 10

ANTHONY LYNN MILLER
PROFESSIONAL ENGINEER
FLORIDA
No. 58705
08/18/23
A. Lynn Miller

A. LYNN MILLER, P.E.
P.E.# 58705



HYBRID CONFIGURATIONS
(FLANGE FRAME/FIN FRAME)
ALLOWED WITH MULLION
INSTALLATION. SEE PAGE 7 FOR
FLANGE FRAME INSTALLATION
DETAILS.

TABLE 4: INSTALLATION ANCHORS

Anchor	Substrate	Min. Edge Distance	Min. Embedment
2-1/2" x .113" Box Nail	P.T. Southern Pine (SG = .55)	5/16"	2-7/16"
2-1/2" x .131" Common Nail	P.T. Southern Pine (SG = .55)	3/8"	2-7/16"
2-1/2" x .145" Roofing Nail	P.T. Southern Pine (SG = .55)	1/2"	2-7/16"
#10 Steel SMS	Aluminum, 6063-T5 min.	3/8"	1-3/8"
	Steel Stud, Gr. 33 min.	3/8"	1/8"
	A36 Steel	3/8"	1/8"

- 1) ANCHOR MUST EXTEND A MINIMUM OF 3 THREADS BEYOND ANY METAL SUBSTRATE.
- 2) ALL ANCHOR HEAD TYPES ARE APPLICABLE.

INSTALLATION NOTES:

- 1) SEE SHEET 1 FOR SPACING REQUIREMENTS.
- 2) FLANGE AND/OR FIN MAY BE REMOVED TO CREATE OTHER APPROVED FRAME TYPES.
- 3) USE ONLY SUBSTRATE APPROPRIATE ANCHORS LISTED IN ANCHOR TABLE. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY OR ALL SIDES OF THE WINDOW.
- 4) MAX. SHIM THICKNESS TO BE 1/4". MAX. SHIM SPACING TO BE 18".

Impact Resistant Windows & Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296 COPYRIGHT © 2023 PGT, INC., LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.		CGI WINDOWS AND DOORS 3780 W. 104TH STREET HIALEAH, FL 33018
VINYL FIXED WINDOW (NI) Date: 04/17/23 Drawn By: LOGAN YODER	FIN INSTALLATION SECTION VIEWS Sheet: 9 OF 10 DWG No.: PW820V-FPA-NI	PREPARED BY A. LYNN MILLER A. LYNN MILLER, P.E. P.E.# 58705



Rev.	MINOR EDITORIAL UPDATES	Date	08/17/23
Rev.#	A		

CGI

Impact Resistant
Windows & Doors

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
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CGI

CGI WINDOWS AND DOORS
3780 W. 104TH STREET
HIALEAH, FL 33018

Series

PW820V

Sheet

10 OF 10

DWG No.

10

Drawn By

LOGAN YODER

Date

04/17/23

Desc

EXTRUSIONS/BOM

Title

VINYL FIXED WINDOW (NI)

ANTHONY LYNN MILLER

PROFESSIONAL ENGINEER

FLORIDA

STATE OF

08/18/23

No. 68705

LICENSE

A. LYNN MILLER, P.E.

P.E.# 68705

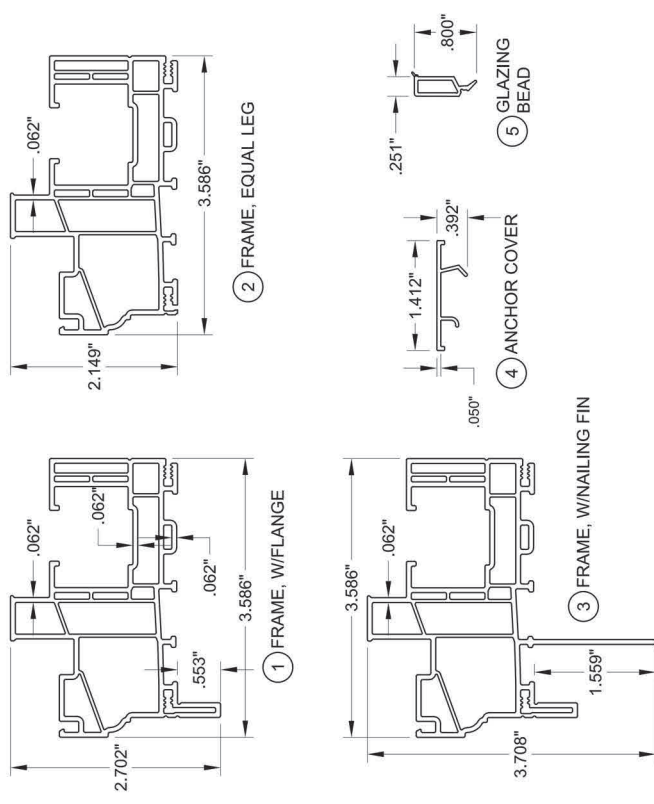


TABLE 5:

#	Part #	Description	Material
1	9465	Frame, w/Flange	PVC
2	9465	Frame, Equal Leg	PVC
3	9455	Frame, w/Nailing Fin	PVC
4	9473	Anchor Cover	PVC
5	9736	Glazing Bead	PVC
10		Backbedding: RGS7700, Dow 791/983/995	SILICONE
11		Metal or TPS Spacer	VARIES
12	7061	Setting Block, 1/8" x 7/8" x 2"	EPDM

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Search Criteria

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Code Version	2023	FL#	15474.2
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		

Search Results - Applications

FL#	Type	Manufacturer	Validated By	Status
FL15474-R7 History	Revision	Jeld-Wen FL#: FL15474.2 Model: Contours Steel, Wood Edge Description: 12'-0" x 8'-0", Opaque Inswing and Outswing with Sidelites Category: Exterior Doors Subcategory: Swinging Exterior Door Assemblies	National Accreditation & Management Institute (804) 684-5124	Approved
FL15474-R8	Revision	Jeld-Wen FL#: FL15474.2 Model: Contours Steel, Wood Edge Description: 12'-0" x 8'-0", Opaque Inswing and Outswing with Sidelites Category: Exterior Doors Subcategory: Swinging Exterior Door Assemblies	National Accreditation & Management Institute (804) 684-5124	Applied For

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

[Contact Us](#) :: [2601 Blair Stone Road, Tallahassee FL 32399](#) Phone: 850-487-1824

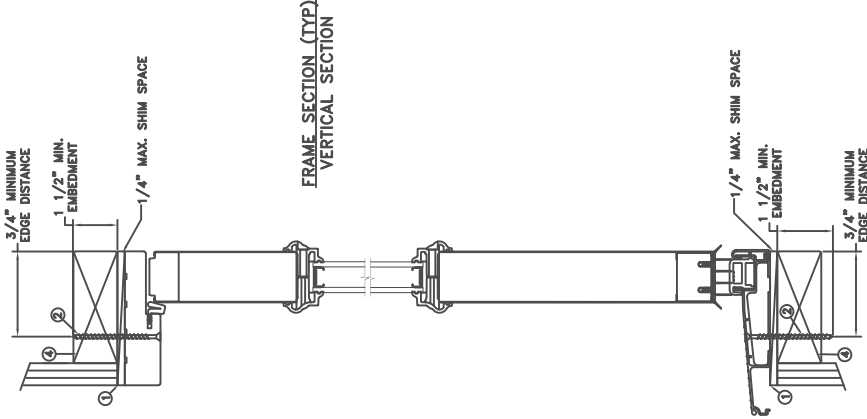
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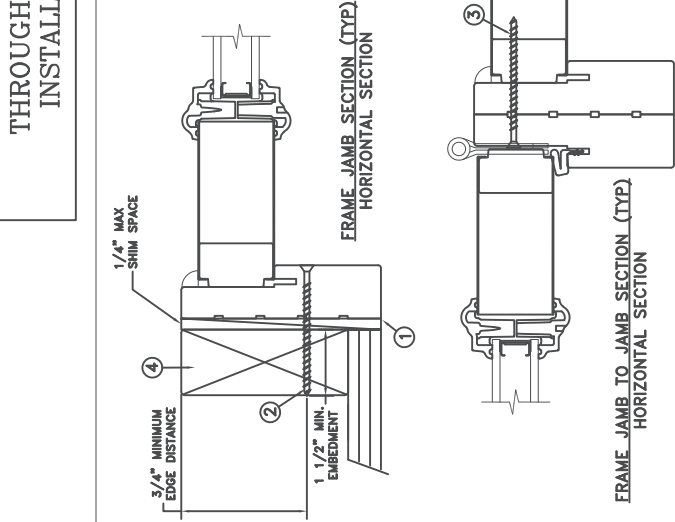
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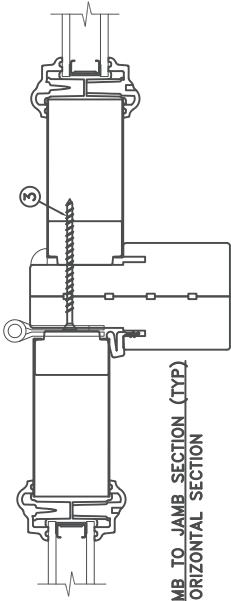
THROUGH FRAME
INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



FRAME SECTION (TYP)
VERTICAL SECTION



FRAME JAMB TO JAMB SECTION (TYP)
HORIZONTAL SECTION

MAXIMUM FRAME	DP	IMPACT
149 x 98	+35/-35	NO

Installation Notes:

- Seal flange/frame to substrate. Sill shall be set on a continuous serpentine bead of structural grade silicone caulk when no fastener is used to anchor the sill (typical).
- Use #10 PH or greater fastener through the head & side jambs with sufficient length to penetrate a minimum of 1 1/2" into the wood framing. For 2x wood frame substrate (min. S.G. = 0.55)
- Install corrosion resistant (2)- 1/4"x 3" Tapcon screws through each hinge into rough opening.
- Host structure (wood buck, masonry, steel) to be designed and anchored to properly transfer all loads to the structure. The host structure is the responsibility of the architect or engineer of record for the project of installation.

General Notes:

- The product shown herein is designed, tested and manufactured to comply with the wind load criteria of the adopted International Building Code (IBC), the International Residential Code (IRC), the current Florida Building Code (FBC) and the industry requirement for the stated conditions.
- All glazing shall conform to ASTM E1300.
- Use structural or composite shims where required.

This schedule addresses only the fasteners required to anchor the unit to achieve the rated design pressure and impact performance (where applicable) up to the size limitations noted. It is not intended as a guide to the installation process and does not address the sealing consideration that may arise in different wall conditions. For the complete installation procedure, see the instructions packaged with the unit or go to www.jeld-wen.com.

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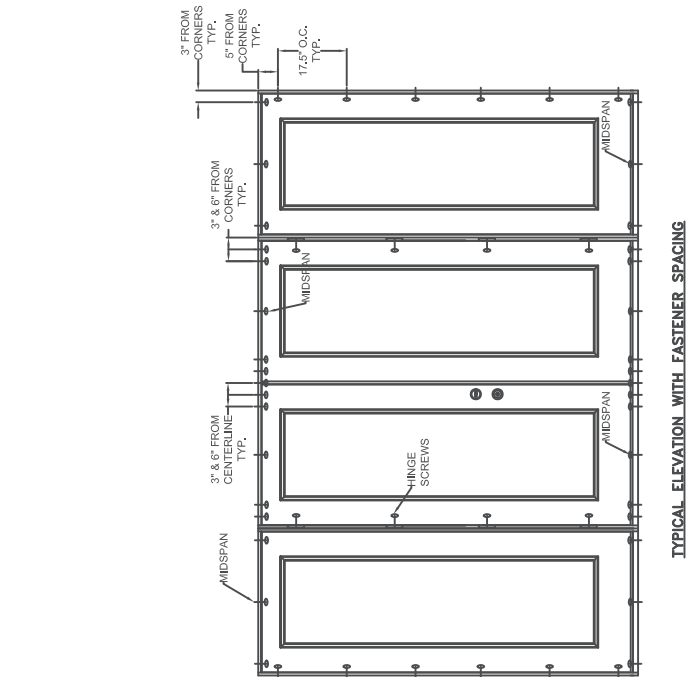
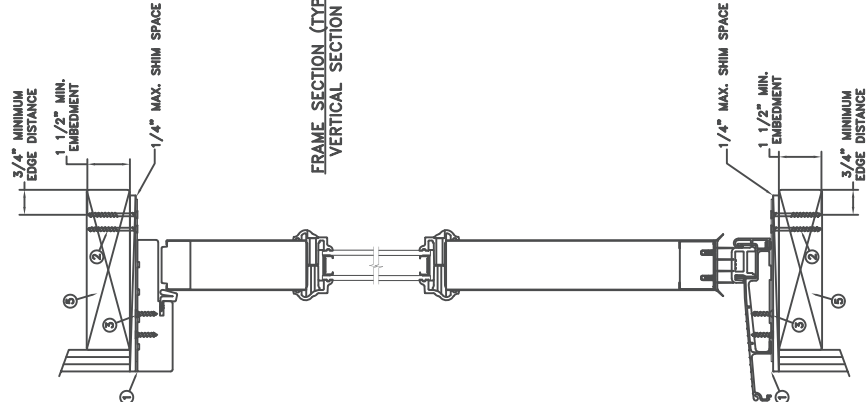
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M.HAM	09/27/2023
CHECKED BY:	SCALE:
D.Vezo	NTS
APPROVED BY:	TITLE:
D.Vezo	
RECORD No.:	
D015859	
REPORT No.:	
NCTL-210-3804-3	

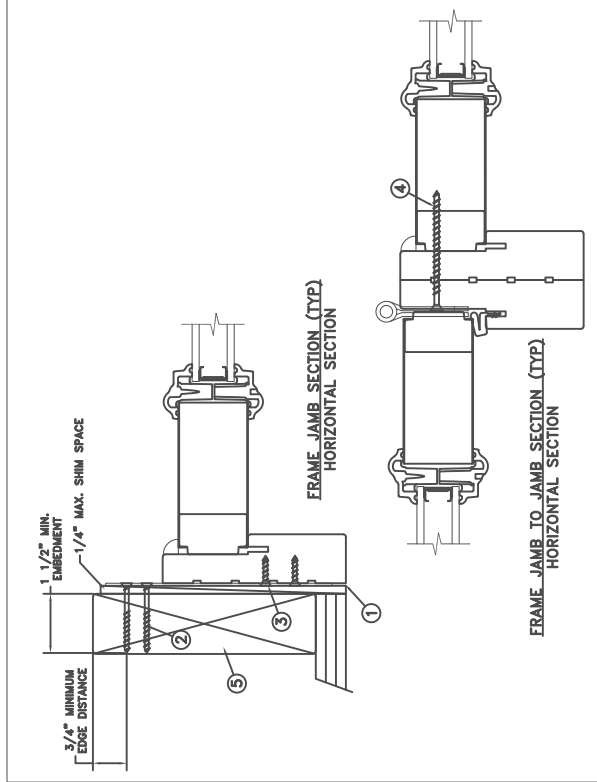
JELD-WEN 3737 LAKEPORT BLVD.
KLAMATH FALLS OR, 97601
PHONE: (800) 535-3936

Contours Steel Wood Edge Inswing Glazed OXXO

MASONRY STRAP
INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



MAXIMUM FRAME	DP	IMPACT
149 x 98	+35/-35	NO

Installation Notes:

- Seal flange/frame to substrate. Sill shall be set on a continuous serpentine bead of structural grade silicone caulk when no fastener is used to anchor the sill (typical).
- Use 2 - #10 PFH or larger fasteners through masonry strap with sufficient length to penetrate a minimum of 1 1/2" into the buck. For 2x wood frame substrate (min. S.G. = 0.55).
- Use 2 - #10 PFH or larger fasteners through masonry strap into jamb without penetrating through the jamb into product causing visibility or collateral damage to product.
- Install corrosion resistant (2) - 1/4"x 3" Tapcon screws through each hinge into rough opening.
- Host structure (wood buck, masonry, steel) to be designed and anchored to properly transfer all loads to the structure. The host structure is the responsibility of the architect or engineer of record for the project of installation.

General Notes:

- The product shown herein is designed, tested and manufactured to comply with the wind load criteria of the adopted International Building Code (IBC), the International Residential Code (IRC), the current Florida Building Code (FBC) and the industry requirement for the stated conditions.
- All glazing shall conform to ASTM E1300.
- Use structural or composite shims where required.
- Masonry strap specifications: 20 Ga. galvanized steel, .036" min. thickness x 1.5" min. width.

This schedule addresses only the fasteners required to anchor the unit to achieve the rated design pressure and impact performance (where applicable) up to the size limitations noted. It is not intended as a guide to the installation process and does not address the sealing consideration that may arise in different wall conditions. For the complete installation procedure, see the instructions packaged with the unit or go to www.jeld-wen.com.

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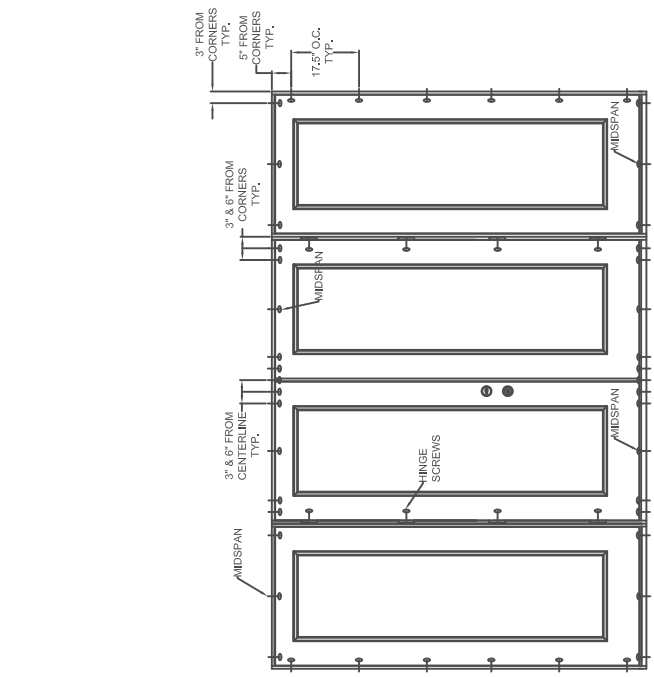
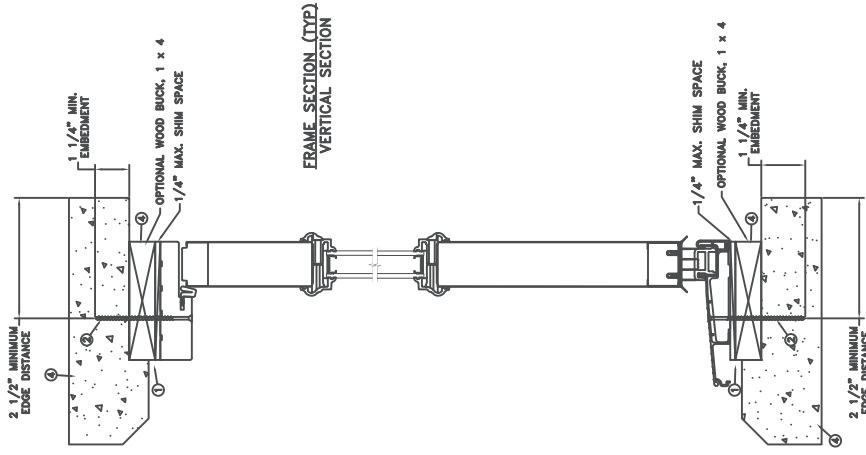
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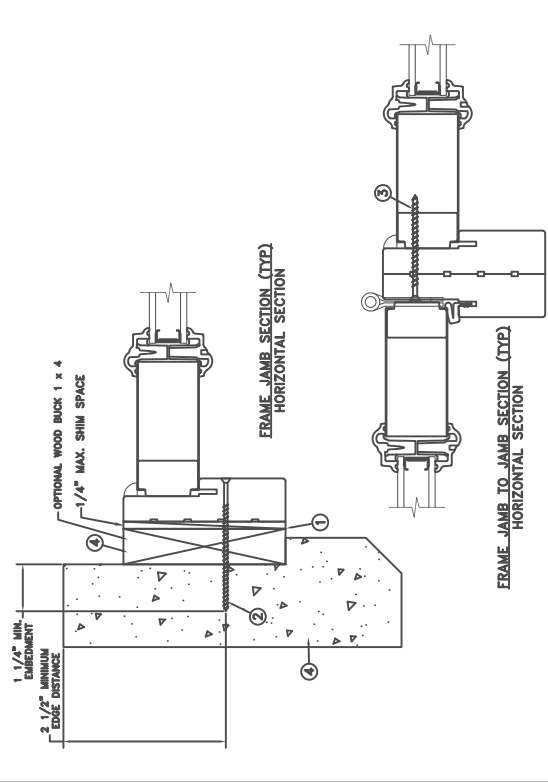
MICHAEL D. STREMMEL, P.E.
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DRAWN BY: M.HAM	DATE: 09/27/2023	JELD-WEN 3737 LAKEPORT BLVD. KLAMATH FALLS OR, 97601 PHONE: (800) 535-3936		
CHECKED BY: D.VEZO	SCALE: NTS	Contours Steel Wood Edge Inswing Glazed OXO		
APPROVED BY: D.VEZO	TITLE:			
RECORD No.: D015859				
REPORT No.: NCTL-210-3804-3		CAD DWG. No.: —	REV: C	SHEET 2 of 5

CONCRETE/MASONRY
INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



FRAME JAMB TO JAMB SECTION (TYP)
HORIZONTAL SECTION

FRAME JAMB SECTION (TYP)
HORIZONTAL SECTION

MAXIMUM FRAME	DP	IMPACT
149 x 98	+35/-35	NO

Installation Notes:

- Seal flange/frame to substrate. Sill shall be set on a continuous serpentine bead of structural grade silicone caulk when no fastener is used to anchor the sill (typical).
- Use 3/16" tapcon or equivalent fasteners through frame with sufficient length to penetrate a minimum of 1 1/4" into concrete or masonry at each location with a 2 1/2" min. from edge distance. For concrete (min. fc = 3000 psi) or masonry substrate (CMU shall adhere to ASTM C90).
- Install corrosion resistant (2)- 1/4"x 3" Tapcon screws through each hinge into rough opening.
- Host structure (wood buck, masonry, steel) to be designed and anchored to properly transfer all loads to the structure. The host structure is the responsibility of the architect or engineer of record for the project of installation.

General Notes:

- The product shown herein is designed, tested and manufactured to comply with the wind load criteria of the adopted International Building Code (IBC), the International Residential Code (IRC), the current Florida Building Code (FBC) and the industry requirement for the stated conditions.
- All glazing shall conform to ASTM E1300.
- Use structural or composite shims where required.

This schedule addresses only the fasteners required to anchor the unit to achieve the rated design pressure and impact performance (where applicable) up to the size limitations noted. It is not intended as a guide to the installation process and does not address the sealing consideration that may arise in different wall conditions. For the complete installation procedure, see the instructions packaged with the unit or go to www.jeld-wen.com.

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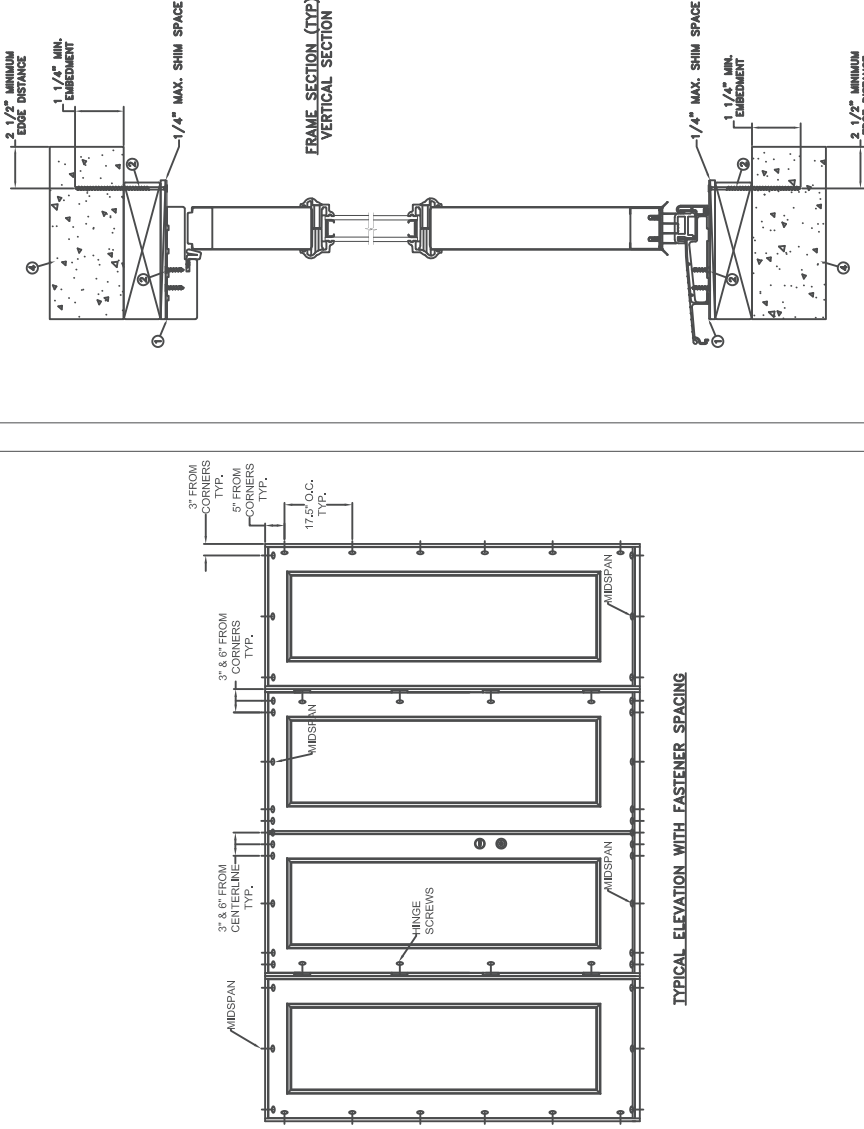
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CHECKED BY: D.Vezo	SCALE: NTS
APPROVED BY: D.Vezo	TITLE: Contours Steel Wood Edge Inswing Glazed OXO
RECORD No.: D015859	REPORT No.: NCTL-210-3804-3

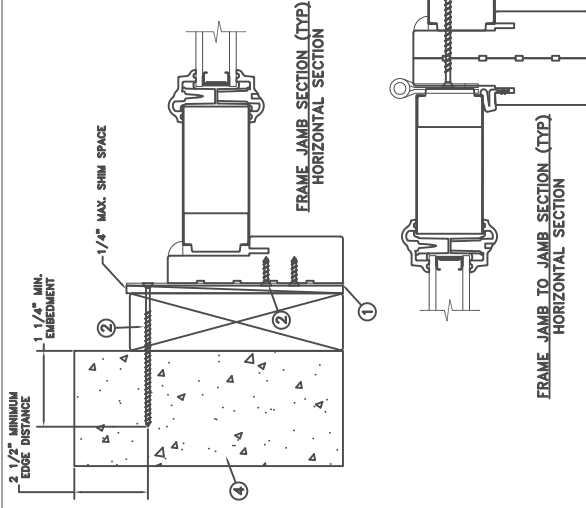
JELD-WEN 3737 LAKEPORT BLVD.
KLAMATH FALLS OR, 97601
PHONE: (800) 535-3936

Contours Steel Wood Edge Inswing Glazed OXO

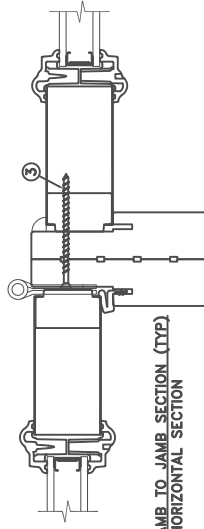
CONCRETE/MASONRY
INSTALLATION



TYPICAL ELEVATION WITH FASTENER SPACING



FRAME JAMB TO JAMB SECTION (TYP)
HORIZONTAL SECTION



MAXIMUM FRAME	DP	IMPACT
149 x 98	+35/-35	NO

Installation Notes:

1. Seal flange/frame to substrate. Sill shall be set on a continuous serpentine bead of structural grade silicone caulk when no fastener is used to anchor the sill (typical).
2. Use (1) - 1/4" Tapcon or equivalent fasteners through strap with sufficient length to penetrate a minimum of 1 1/4" into concrete or masonry at each location with a 2 1/2" min. from edge distance. Use (2) - #8 PFH fasteners through masonry strap into frame. For concrete (min. fc = 3000 psi) or masonry substrate (CMU shall adhere to ASTM C90).
3. Install corrosion resistant (2)- 1/4"x 3" Tapcon screws through each hinge into rough opening.
4. Host structure (wood buck, masonry, steel) to be designed and anchored to properly transfer all loads to the structure. The host structure is the responsibility of the architect or engineer of record for the project of installation.

General Notes:

1. The product shown herein is designed, tested and manufactured to comply with the wind load criteria of the adopted International Building Code (IBC), the International Residential Code (IRC), the current Florida Building Code (FBC) and the industry requirement for the stated conditions.
2. All glazing shall conform to ASTM E1300.
3. Use structural or composite shims where required.
4. Masonry strap specifications: 20 Ga. galvanized steel, .036" min. thickness x 1.5" min. width.

This schedule addresses only the fasteners required to anchor the unit to achieve the rated design pressure and impact performance (where applicable) up to the size limitations noted. It is not intended as a guide to the installation process and does not address the sealing consideration that may arise in different wall conditions. For the complete installation procedure, see the instructions packaged with the unit or go to www.jeld-wen.com.

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MICHAEL D. STREMMEL, P.E.
Florida P.E. No. 65868, REG. No. 37122
1410 Eden Road
York, PA 17408
(717) 916-6300

DATE: 09/27/2023

SCALE: NTS

TITLE:

DRAWN BY: M.HAM

CHECKED BY: D.Vezo

APPROVED BY: D.Vezo

RECORD No.: D015859

REPORT No.: NCTL-210-3804-3

JELD-WEN 3737 LAKEPORT BLVD.
KLAMATH FALLS OR, 97601
PHONE: (800) 535-3936

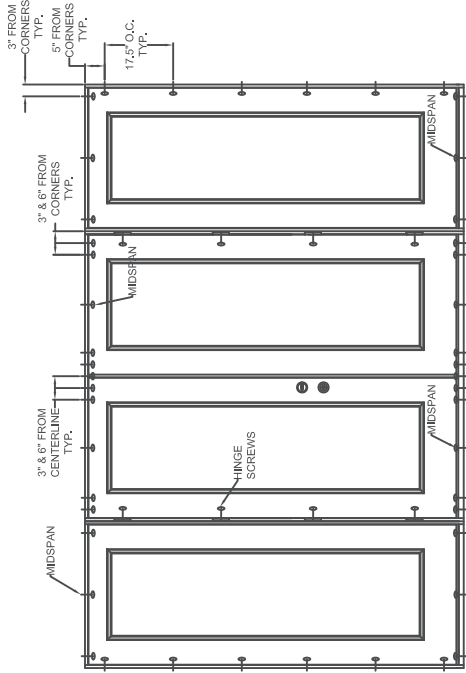
Contours Steel Wood Edge Inswing Glazed OXO

REV: C

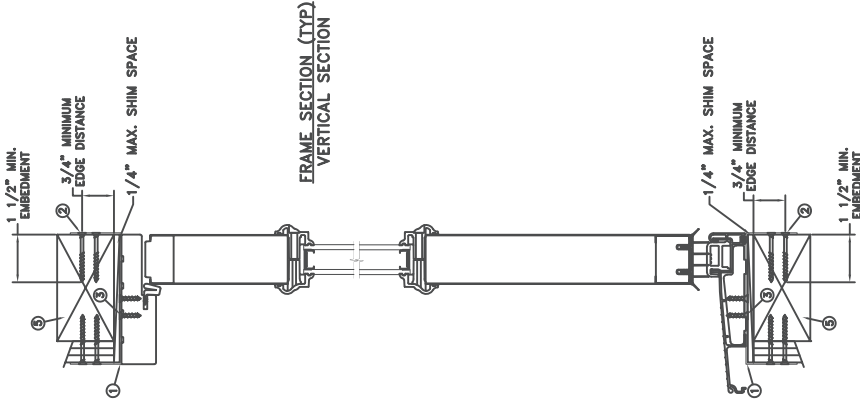
CAD DWG. No.:

SHEET 4 of 5

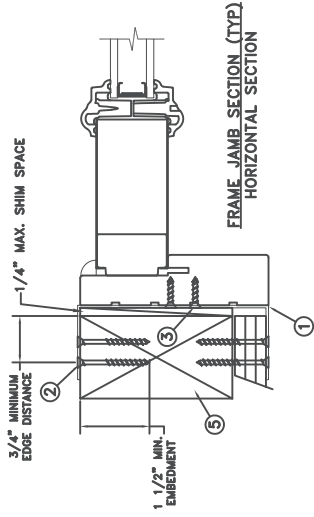
MASONRY STRAP
INSTALLATION



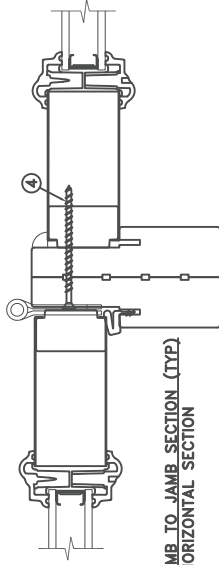
TYPICAL ELEVATION WITH FASTENER SPACING



FRAME SECTION (TYP)
VERTICAL SECTION



FRAME JAMB SECTION (TYP)
HORIZONTAL SECTION



FRAME JAMB TO JAMB SECTION (TYP)
HORIZONTAL SECTION

MAXIMUM FRAME	DP	IMPACT
149 x 98	+35/-35	NO

Installation Notes:

- Seal flange/frame to substrate. Sill shall be set on a continuous serpentine bead of structural grade silicone caulk when no fastener is used to anchor the sill (typical).
- Use min. 2 - #8 PFH or larger fasteners through masonry strap with sufficient length to penetrate a minimum of 1 1/2" into the buck. Bend straps around both sides of the buck. For 2x wood frame substrate (min. S.G. = 0.42).
- Use min. 2 - #8 PFH or larger fasteners through masonry strap into jamb without penetrating through the jamb into product causing visibility or collateral damage to product.
- Install corrosion resistant (2)- 1/4"x 3" Tapcon screws through each hinge into rough opening.
- Host structure (wood buck, masonry, steel) to be designed and anchored to properly transfer all loads to the structure. The host structure is the responsibility of the architect or engineer of record for the project of installation.

General Notes:

- The product shown herein is designed, tested and manufactured to comply with the wind load criteria of the adopted International Building Code (IBC), the International Residential Code (IRC), the current Florida Building Code (FBC) and the industry requirement for the stated conditions.
- All glazing shall conform to ASTM E1300.
- Use structural or composite shims where required.
- Masonry strap specifications: 20 Ga. galvanized steel, .036" min. thickness x 1.5" min. width.

This schedule addresses only the fasteners required to anchor the unit to achieve the rated design pressure and impact performance (where applicable) up to the size limitations noted. It is not intended as a guide to the installation process and does not address the sealing consideration that may arise in different wall conditions. For the complete installation procedure, see the instructions packaged with the unit or go to www.jeld-wen.com.

DISCLAIMER:

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MICHAEL D. STREMME, P.E.
Florida P.E. No. 05868, REG. No. 37122
1410 Eden Road
York, PA 17408
(717) 916-6300

This item has been digitally signed and sealed by Michael D. Stremmel, P.E. on the date adjacent to the seal. Printed signatures adjacent to this seal are considered signed, sealed and the signature must be verified on any electronic copies.

DRAWN BY: M.HAM	DATE: 09/27/2023
CHECKED BY: D.Vezo	SCALE: NTS
APPROVED BY: D.Vezo	TITLE: Contours Steel Wood Edge Inswing Glazed OXO
RECORD No.: D015859	
REPORT No.: NCTL-210-3804-3	

JELD-WEN 3737 LAKEPORT BLVD.
KLAMATH FALLS OR, 97601
PHONE: (800) 535-3936

Contours Steel Wood Edge Inswing Glazed OXO

FLORIDA DEPARTMENT OF
Business & Professional Regulation



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Product Approval
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Search Criteria

[Refine Search](#)

Code Version	2023	FL#	15474.3
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		

Search Results - Applications

FL#	Type	Manufacturer	Validated By	Status
FL15474-R7 History	Revision	Jeld-Wen FL#: FL15474.3 Model: Contours Steel, Wood Edge Description: 3'-0" x 6'-8", Glazed Inswing and Outswing Door Category: Exterior Doors Subcategory: Swinging Exterior Door Assemblies	National Accreditation & Management Institute (804) 684-5124	Approved
FL15474-R8	Revision	Jeld-Wen FL#: FL15474.3 Model: Contours Steel, Wood Edge Description: 3'-0" x 6'-8", Glazed Inswing and Outswing Door Category: Exterior Doors Subcategory: Swinging Exterior Door Assemblies	National Accreditation & Management Institute (804) 684-5124	Applied For

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

[Contact Us](#) :: [2601 Blair Stone Road, Tallahassee FL 32399](#) Phone: 850-487-1824

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Product Approval Accepts:





ENERGY SAVER/CONTOUR, FULL LITE,
WOOD EDGE 5-4 X 8-0 (O/OXO)
INSWING/OUTSWING

24 GA. STEEL NON-IMPACT DOOR SYSTEM

GENERAL NOTES

1. THE PRODUCT SHOWN HEREIN IS DESIGNED TO COMPLY WITH THE CURRENT IRC AND FLORIDA BUILDING CODE (FBC) BASED ON THE SIGNED AND SEALED DATE. PRODUCT HAS BEEN TESTED TO ASTM E330-02, E331-00, E283-04 & AAMA 1304-2. DOOR SYSTEMS HAVING SIDELITE/TRANSOM COMBINATIONS RATE AT WINDZONE (WD) 3.
2. 2X AND 1X WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
4. FOR DESIGN PRESSURE RATING SEE TABLE 1, SHEET 1.
5. SCALE BASED ON 11x17 SHEET SIZE.
6. ALL 1X & 2X TO BE 0.55 SPECIFIC GRAVITY OR GREATER.
7. FLORIDA APPROVED IMPACT RESISTANT SHUTTERS ARE REQUIRED ON ALL UNITS WHERE RELEVANT.
8. WHERE WATER INFILTRATION IS REQD, UNIT SHALL BE INSTALLED AT LOCATION PROTECTED BY OVERHANG SUCH THAT OVERHANG(OH) RATIO = OH LENGTH/OH HEIGHT IS EQUAL TO OR GREATER THAN 1.0.

DOOR LEAF CONSTRUCTION:

FACE SHEETS: THE FACE SHEETS ARE GLUED TO THE CORE AND SUBSTRATE WITH LMC ADHESIVE.

CORE DESIGN: DOOR CORE BY JELD-WEN.

PANEL CONSTRUCTION: EACH DOOR PANEL IS CONSTRUCTED FROM TWO SHEETS OF 24-GAUGE (.021" MIN) GALVANIZED STEEL. THE AVERAGE MIN. YIELD STRENGTH OF 24 GA SHEET METAL SKIN IS 40,300 psi. THE FACE SHEETS ARE BENT 90° OVER THE 1.688" X 1.0" LVL (LAMINATED VENEER LUMBER) STILES AND TOP RAIL. THE 1.688" X 1.203" BOTTOM RAIL CONSISTS OF ROLLED-FORMED GALVANIZED 25-GAUGE (.018" MIN) STEEL. THE LOCK BLOCK IS 1.688" X 3 1/8" X 12" FINGER JOINTED PINE. INSULATED GLAZING CONSISTS OF TWO 0.125" TEMPERED GLASS PANE SEPARATED BY A 0.25" AIR SPACE. ODL LITE FRAME MEETING STEEL SKIN RECEIVES DOW 1199 SILICONE OR EQUIVALENT.

SIDELITE CONSTRUCTION: EACH SIDELITE IS CONSTRUCTED THE SAME AS A DOOR PANEL, INCLUDING CORE DESIGN, BUT EXCLUDING THE WOOD LOCK BLOCK. INSULATED GLAZING CONSISTS OF TWO 0.125" TEMPERED GLASS PANE SEPARATED BY A 0.25" AIR SPACE.

FRAME CONSTRUCTION: THE FRAME JAMBS AND HEAD ARE CONSTRUCTED OF WOOD.

THE OUTSWING SILL IS COMPRISED OF COMPOSITE MATERIAL WITH ALUMINUM CLADDING. THE INSWING SILL IS COMPRISED OF A COMPOSITE MATERIAL WITH AN ALUMINUM CLADDING AND A PLASTIC ADJUSTABLE HEIGHT THRESHOLD. ALL BOTTOM FRAME CORNERS ARE COPED, BUTTED, SEALED USING SILICONE AND FASTENED USING THREE 16 GA. 7/16" X 2" LONG STAPLES AND ONE #8X2 FH WOOD SCREW PER CORNER. INSWING SYSTEMS HAVE A #8X2 FH WOOD SCREW IN EACH SILL/JAMB CORNER ANGLED FROM SILL INTO THICK PORTION OF JAMB. TOP FRAME CORNERS ARE COPED, BUTTED, SEALED USING SILICONE AND FASTENED USING FOUR 16 GA. 7/16" X 2" LONG STAPLES AND ONE #8X2 FH WOOD SCREW PER CORNER. ALL FRAME JOINERY ARE SEALED AT THE EXTERIOR USING DOW 1199 SILICONE.

TRANSOM FRAME CONSTRUCTION: FRAME HEADS, SILLS AND JAMBS ARE MADE OF WOOD. THE FRAME CORNERS ARE JOINED USING RABBIT JOINTS, SILICONE SEALANT AND FOUR 16GA X 7/16" X 2" LONG CROWN STAPLES THROUGH THE JAMB. THE MULLION TO DOOR/SIDELITE IS CREATED BY SANDWICHING SILICONE SEALANT BETWEEN THE JAMBS OF THE TWO FRAMES. 1" X 1/2" CORRUGATED NAILS ARE USED ON THE EXTERIOR SIDE TO FASTEN THE JAMBS TOGETHER AND #8 X 2" SCREWS ARE INSTALLED THROUGH JAMBS ON THE INTERIOR SIDE. A WOOD MULLION COVER IS THEN INSTALLED OVER THE ENTIRE LENGTH OF THE EXTERIOR JOINT. SEALED WITH SILICONE SEALANT AND HELD IN PLACE WITH 16GA X 7/16" X 2" STAPLES.

TABLE OF CONTENTS

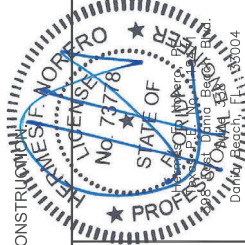
SHT #	DESCRIPTION
1	GENERAL NOTES
2	INSWING ELEVATIONS
3	INSWING ELEVATIONS & BILL OF MATERIAL
4	INSWING VERTICAL CROSS SECTIONS
5	INSWING VERTICAL CROSS SECTIONS
6	INSWING HORIZONTAL CROSS SECTIONS
7	INSWING HORIZONTAL CROSS SECTIONS
8	OUTSWING ELEVATIONS
9	OUTSWING VERTICAL CROSS SECTIONS
10	OUTSWING VERTICAL CROSS SECTIONS
11	OUTSWING HORIZONTAL CROSS SECTIONS
12	OUTSWING HORIZONTAL CROSS SECTIONS
13	ANCHORING LOCATIONS
14	ANCHORING LOCATIONS
15	ANCHORING LOCATIONS & DETAILS
16	UNIT COMPONENTS

TABLE 1

DESIGN PRESSURE RATING	
DESIGN PRESSURE RATING:	
SINGLE DOOR WITH & WITHOUT SIDELITE(S) AND/OR TRANSOM	
INSWING	+50
NEGATIVE	-50
OUTSWING	+50
NEGATIVE	-50

TRANSOM GLAZING: THE GLAZING CONSISTS OF 2 PIECES OF S.S. (0.087") ANNEALED GLASS AND ARE HELD IN PLACE BY THE SASH AND THE GLAZING CLIP. AN ALUMINUM SPACER BETWEEN THE GLASS PROVIDES A 0.50" AIR GAP.

- NOTES:
- 1- ALL VIEWS FROM INTERIOR.
 - 2- MASONRY AND CONCRETE CONSTRUCTION.



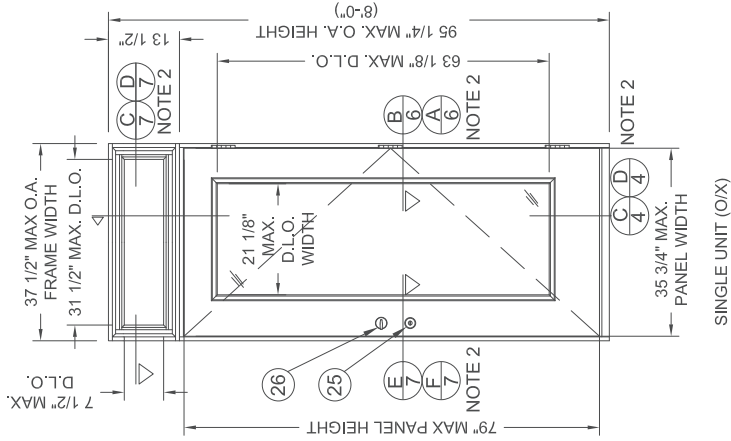
Digitally signed by Hermes F Norero
Reason: I am approving this document
Date: 2020.09.26 09:05:49 +0200

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KILAMATH FALLS, OR, 97061
PH. 541-882-3451

ENERGY SAVER/CONTOUR, FULL LITE,
WOOD EDGE 5-4x8-0 (O/OXO)
INSWING/OUTSWING 24GA. STEEL DOOR
PART OR ASSEMBLY:
GENERAL NOTES

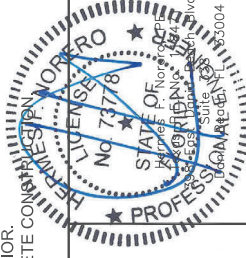
REVISIONS	
ADD ADA THRESHLD	DATE
CHANGED CORE	BY

DATE: 12/31/09
SCALE: 1/2" = 1'
DWG. BY: S. FREY
CHECKED BY: S. FREY
DRAWING NO.: JW172009
SHEET 1 OF 16



Item	DESCRIPTION	Material
1	HINGE JAMB (1 1/4" X 4-9/16" FINGERJOINTED PINE)	PINE
2	HEAD JAMB (1 1/4" X 4-9/16" FINGERJOINTED PINE)	PINE
3	LATCH JAMB (1-1/4" X 4-9/16" FINGERJOINTED PINE)	PINE
4	SIDELITE JAMB (1-1/4" X 4-9/16" FINGERJOINTED PINE)	PINE
5	#10 PHILLIPS FLATHEAD WOOD SCREW WITH 1 1/2" MIN. EMBEDMENT	STEEL
6	4" X 4" BUTT HINGE 12GA. (.098" MIN)	STEEL
7	#9 X 3/4" PHILLIPS FLATHEAD WOOD SCREW	STEEL
8	#10 X 1 1/2" PHILLIPS FLATHEAD WOOD SCREW	STEEL
9	3/16" ITW BUILDEX TAPCON WITH 1 1/4" MIN. EMBEDMENT	STEEL
10	COMPRESSION WEATHERSTRIP (QEBD-650)	FOAM
11	INSWING THRESHOLD.	ALUM./COMP
12	#8 X 1/2" PHILLIPS FLAT HEAD WOOD SCREW	STEEL
13	ITEM NOT USED	
14	#8 X 1" FLAT HEAD WOOD SCREW	STEEL
15	SIDELITE/FIXED PANEL SEAT. Z60 SERIES (ENDURA)	PLASTIC
16	TOP RAIL LAMINATED VENEER LUMBER (LVL)	LVL
17	BOTTOM RAIL 25GA. (0.018") GALVANIZED STEEL	STEEL
18	HINGE SIDE STILE LAMINATED VENEER LUMBER (LVL)	LVL
19	LATCH SIDE STILE LAMINATED VENEER LUMBER (LVL)	LVL
20	LOCK BLOCK 1-1/16" X 3-1/8" X 12 FINGERJOINTED PINE TREATED	PINE
21	ODL LIP-LITE FRAME	PLASTIC
22	1/2" O.A. INSULATED TEMPERED GLASS	GLASS
23	16 Ga. 7/16" CROWN X 2" LONG STAPLES	STEEL
24	CORRUGATED NAIL 1/2" X 1-1/16" 25 GA.	STEEL
25	LOCK SERIES 400	STEEL
26	DEADBOLT SERIES 660	STEEL
27	#8 X 2" PHILLIPS FLATHEAD WOOD SCREW	STEEL
28	2X WOOD BUCK GRADE 2 SOUTHERN YELLOW PINE	WOOD
29	NON-COMPRESSION SHIM	WOOD
30	DOOR CORE BY JELD-WEN	FOAM
31	STEEL DOOR PANEL SKIN MATERIAL A-525 COMMERCIAL QUALITY 0.021" MIN. THICK.)	STEEL
32	INSWING VINYL DOOR BOTTOM SWEEP	VINYL
33	CORNER PADS 2", LOCATED AT THE BOTTOM OF EACH JAMB LEG SETTING ON TOP OF THE SILL, BEHIND THE WEATHERSTRIP	FOAM
34	OUTSWING THRESHOLD	ALUM./COMP.
35	MULL POST. EDGE GLUED FINGERJOINTED PINE	PINE
36	ROUNDED SCOTIA	PLASTIC
37	SILICONE BEAD DOW 1199	SILICONE
38	JAMB, 1-1/4" X 4-9/16" FINGERJOINTED PINE	PINE
39	OUTSWING THRESHOLD	ALUM./COMP.
40	ITEM NOT USED	
41	OPTIONAL 1X WOOD BUCK GRADE 2 SOUTHERN YELLOW PINE	WOOD
42	11/16" O.A. W/ SINGLE STRENGTH (0.087") ANNEALED GLASS I.G.	GLASS
43	CORNER TRIM	PLASTIC
44	ALUMINUM GLAZING SPACER	AL/SEALANT
45	GLAZING CLIP	CELLULAR PVC
46	SASH	CELLULAR PVC
47	FLAT LITE KIT	ALUMINUM
48	ADA THRESHOLD	ALUMINUM

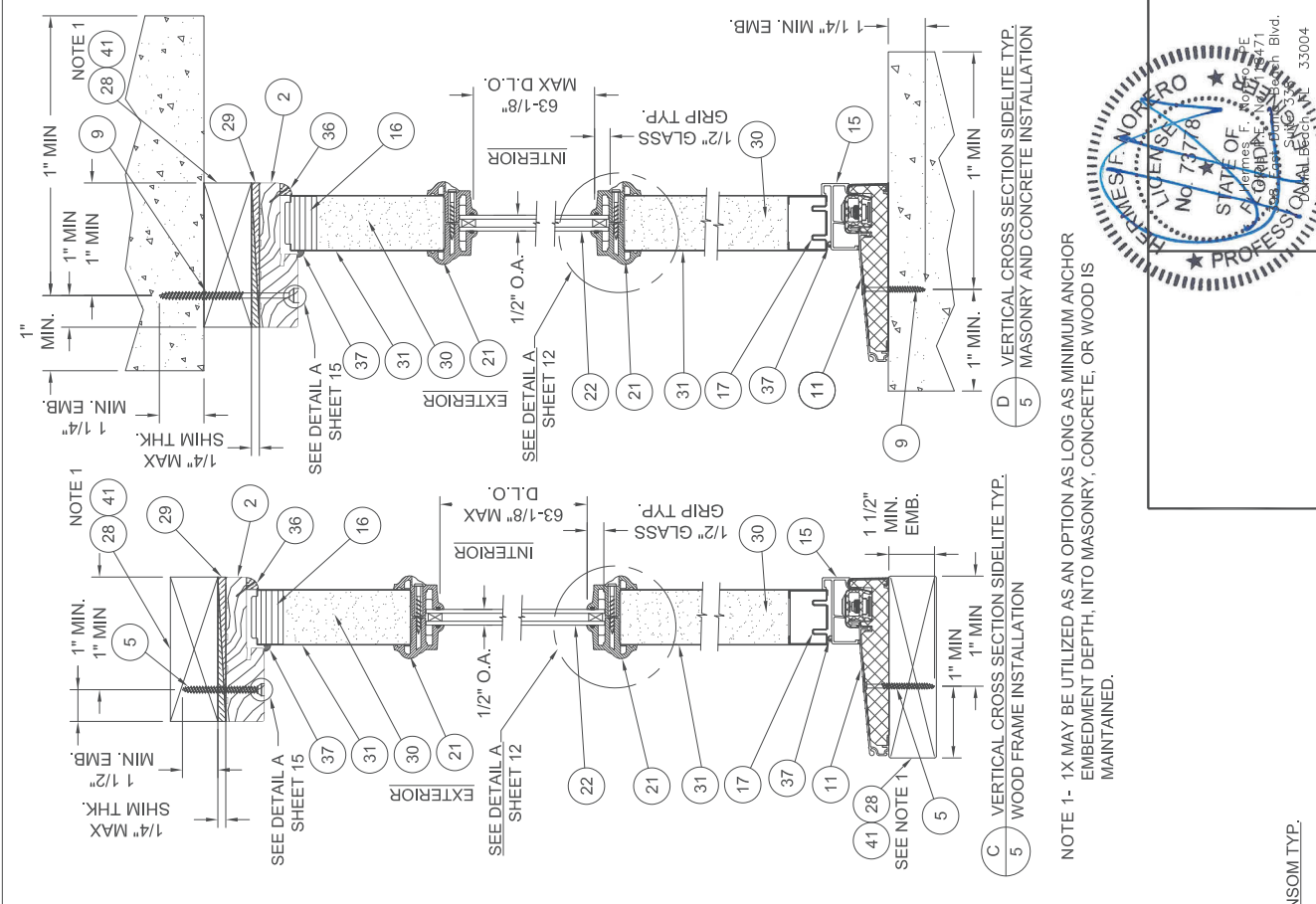
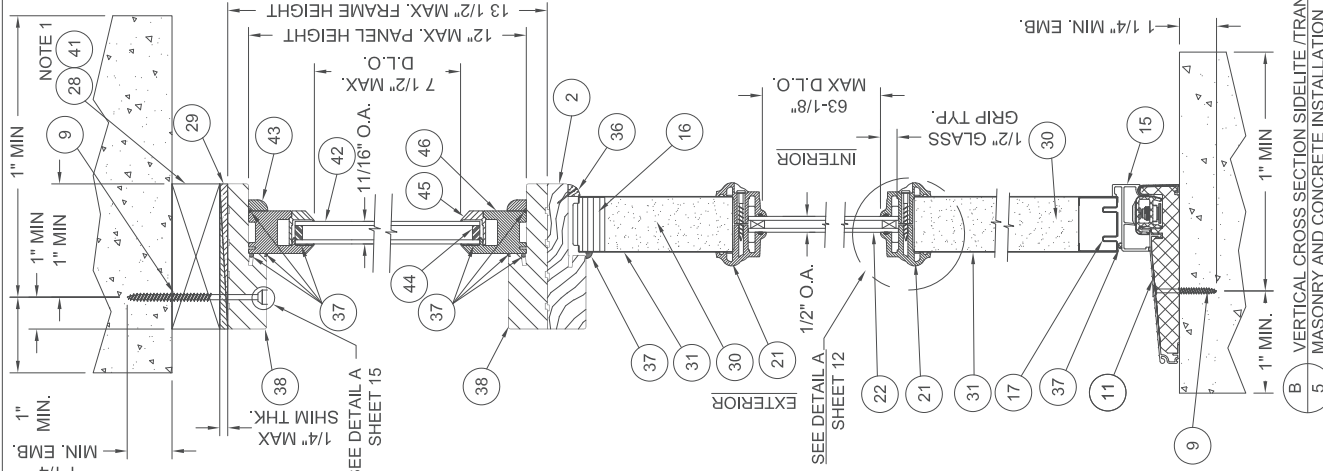
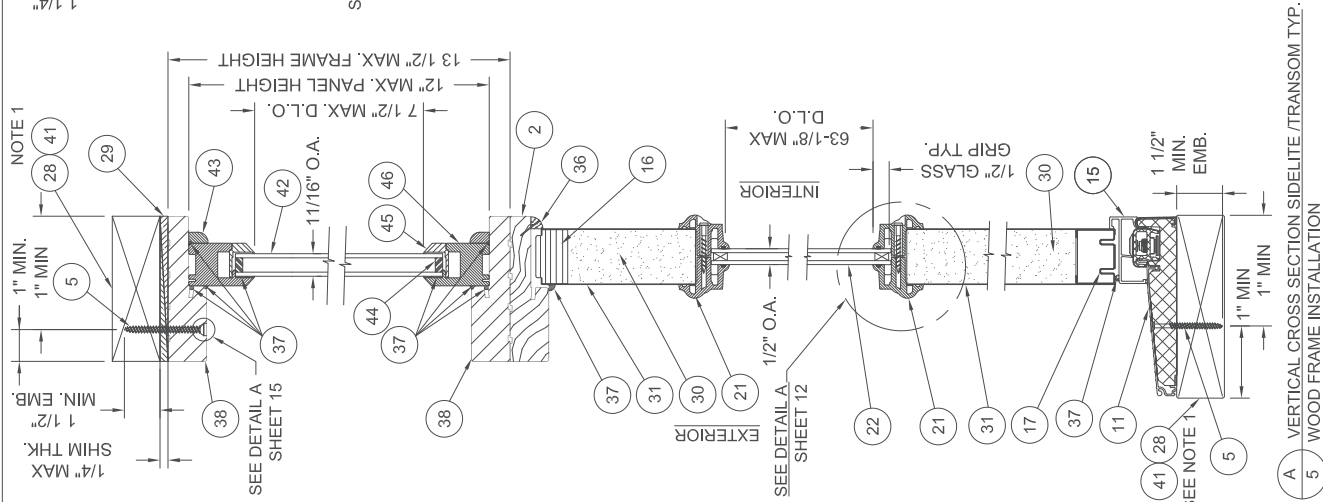
NOTES:
1- ALL VIEWS FROM INTERIOR.
2 - MASONRY AND CONCRETE CONSTRUCTION.



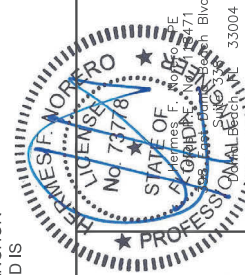
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CHK. BY: S. FREY
DRAWING NO.: JW172009
SHEET 3 OF 16

NO.	DATE	REVISIONS
B	01-24-20	ADD ADA THRSHL
A	8-17-17	CHANGED CORE
JH		
BY		
PRODUCT:		
ENERGY SAVER/CONTOUR, FULL LITE,		
WOOD EDGE 5-4x8-0 (O/OXO)		
INSWING/OUTSWING 24GA. STEEL DOOR		
PART OR ASSEMBLY:		
INSWING ELEVATIONS &		
BILL OF MATERIALS		

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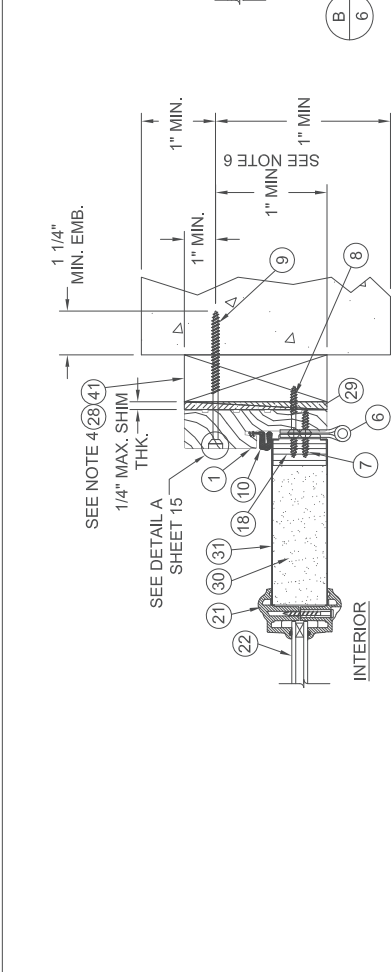
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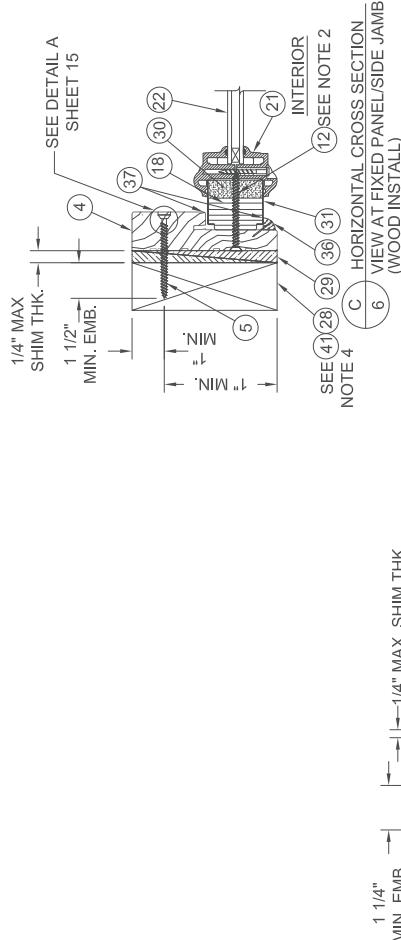
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CHK. BY:	S. FREY
DRAWING NO.:	JW172009
SHEET	5 OF 16

PRODUCT:	ENERGY SAVER/CONTOUR, FULL LITE,
WOOD EDGE 54x8-0 (O/OXO)	
INSWING/OUTSWING 24GA. STEEL DOOR	
PART OR ASSEMBLY:	
INSWING VERTICAL CROSS SECTIONS	
REVISIONS	
NO.	A
DATE	8-17-17
CHANGED CORE	
ADD ADA THRSOLD	
BY	JH

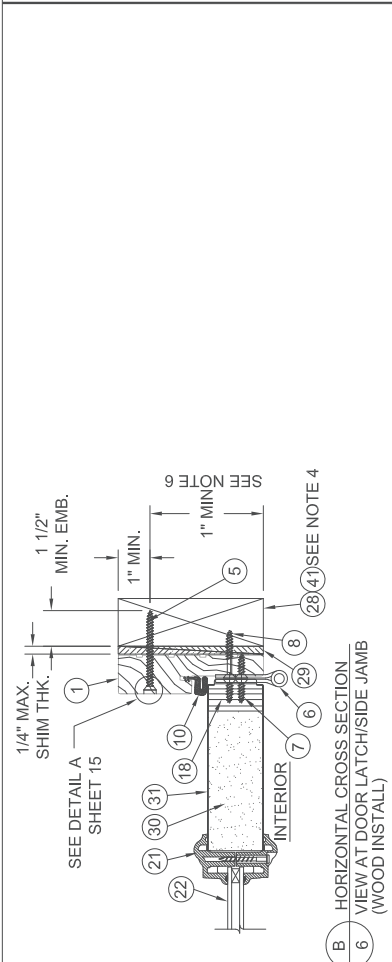
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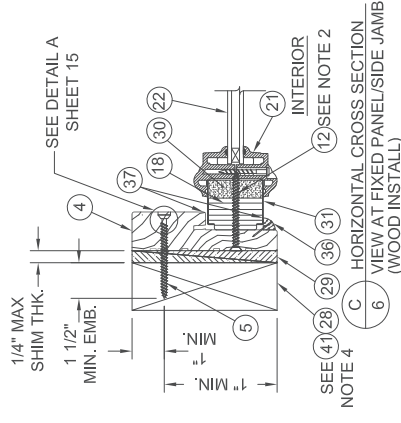
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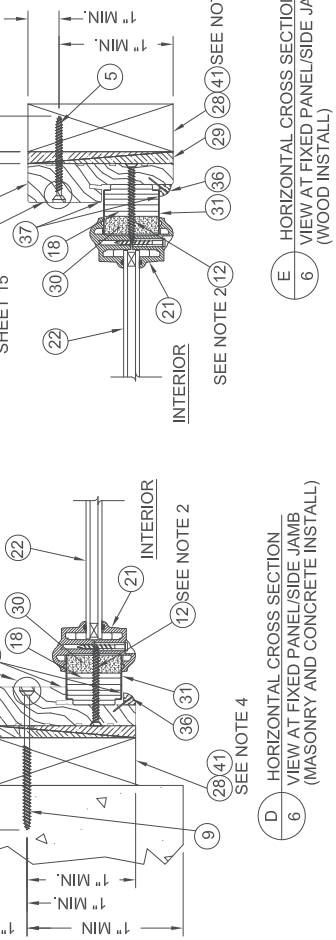
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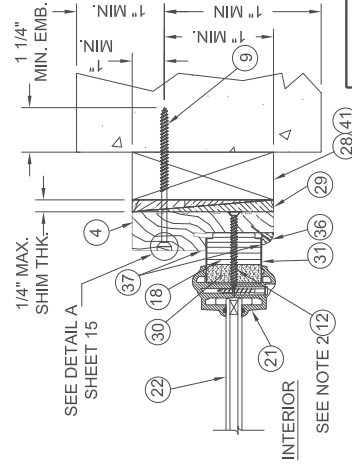
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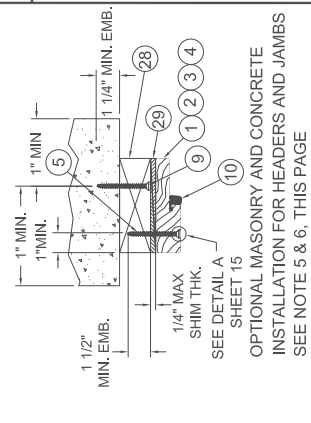
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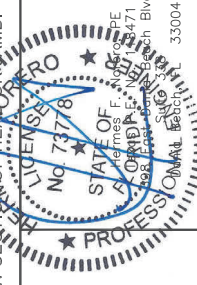


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G HORIZONTAL CROSS SECTION
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(WOOD INSTALL)

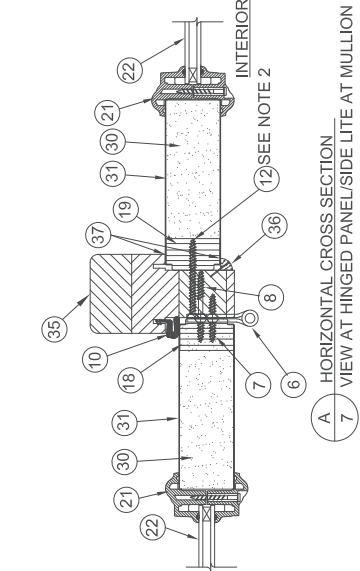
- NOTES
1. FOR ANCHOR SPACING, SEE SHEETS 13, 14 & 15.
 2. SPACING FOR ITEM #12 FROM TOP DOWN: 6", 28-5/8", 50-7/8", 73-1/4".
 3. ASTRAGAL SCREW SPACING FOR ITEM #14 FROM TOP DOWN: 3", 3-3/8", 20", 24-3/8", 39".
 4. 1X BUCK MAY BE UTILIZED AS AN OPTION AS LONG AS MIN. ANCHOR EMBEDMENT DEPTH, INTO MASONRY, CONCRETE, OR WOOD, IS MAINTAINED.
 5. TAPCON (ITEM #9) ANCHOR SPACING SAME AS WOOD ANCHOR (ITEM #5) SPACING.
 6. OPTIONALLY, ANCHOR CAN BE PLACED IN NARROW SECTION OF WOOD JAMB.



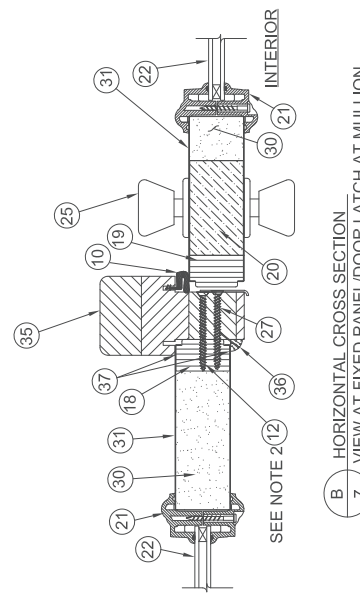
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SCALE:	3" = 1'
DWG. BY:	S. FREY
CHK. BY:	S. FREY
DRAWING NO.:	JW172009
SHEET	6 OF 16

PRODUCT:	ENERGY SAVING/CONTOUR, FULL LITE, WOOD EDGE 5-4x8-0 (O/OXO)
PART OR ASSEMBLY:	INSWING/OUTSWING 24GA. STEEL DOOR
REVISIONS	ADD ADA THRSHLD
BY	CHANGED CORE
JH	
BY	

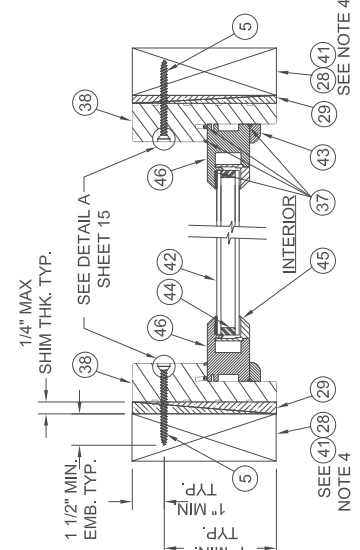
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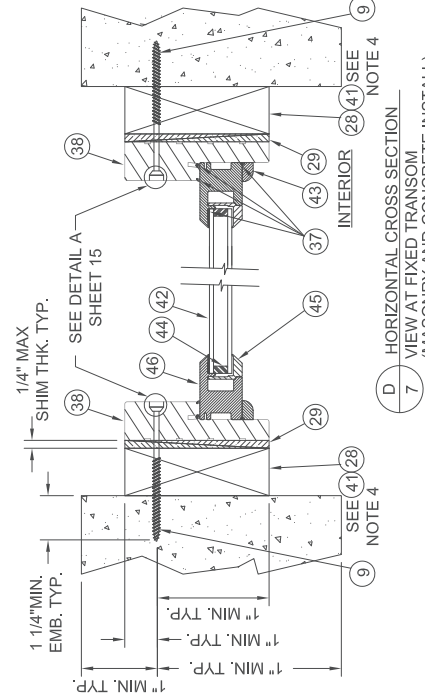
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VIEW AT HINGED PANEL/SIDE LITE AT MULLION



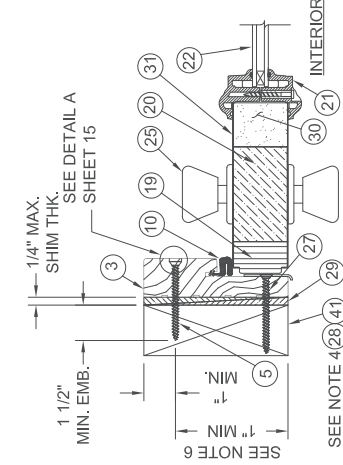
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VIEW AT FIXED PANEL/DOOR LATCH AT MULLION



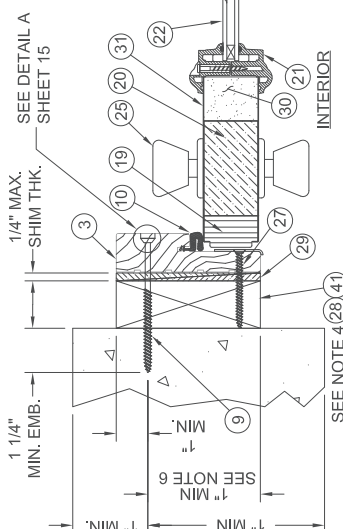
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VIEW AT FIXED TRANSOM
(WOOD INSTALL)



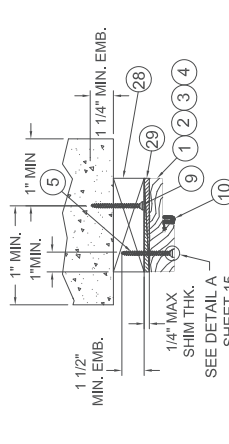
D HORIZONTAL CROSS SECTION
VIEW AT FIXED TRANSOM
(MASONRY AND CONCRETE INSTALL)



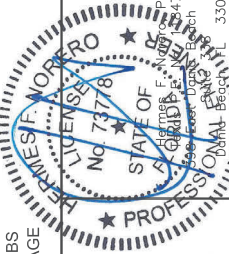
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VIEW AT DOOR LATCH/SIDE JAMB
(WOOD INSTALL)



F HORIZONTAL CROSS SECTION
VIEW AT DOOR LATCH/SIDE JAMB
(MASONRY AND CONCRETE INSTALL)



OPTIONAL MASONRY AND CONCRETE INSTALLATION
FOR HEADERS AND JAMBS
SEE NOTE 5 & 6, THIS PAGE



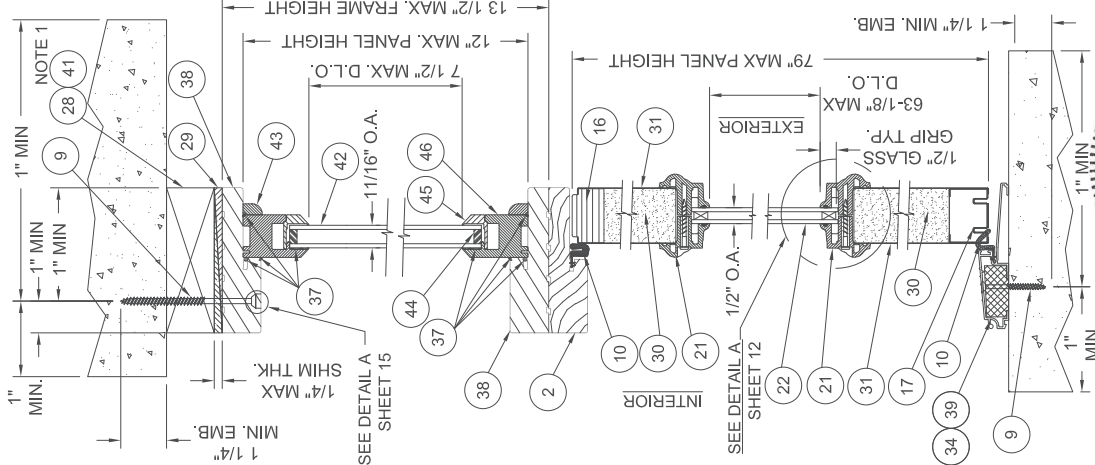
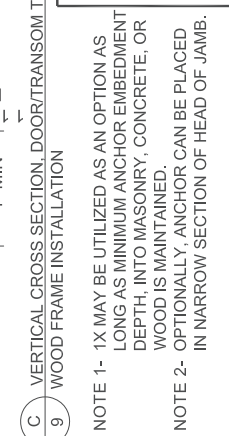
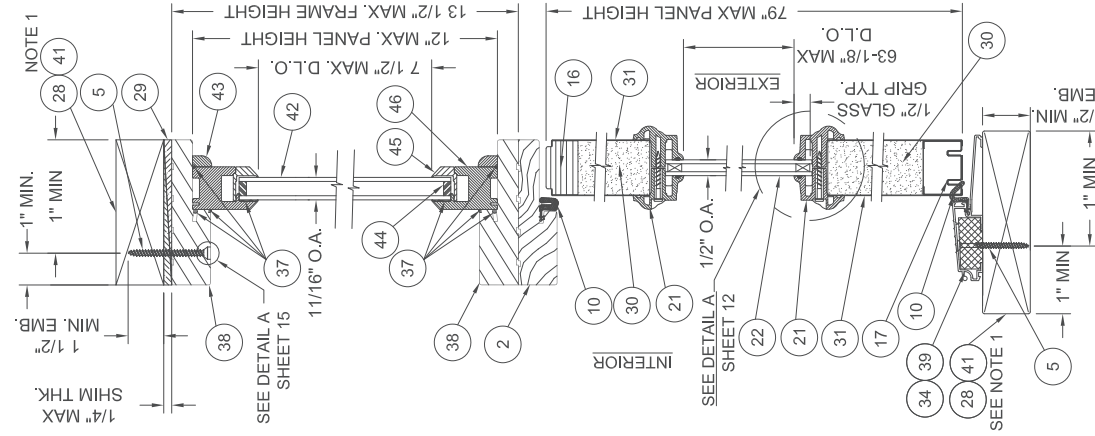
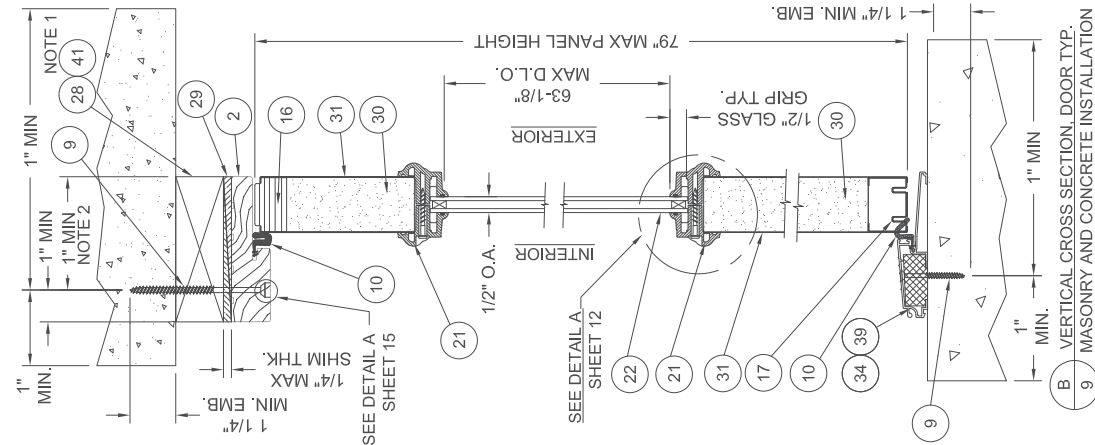
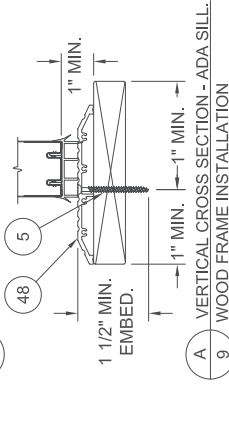
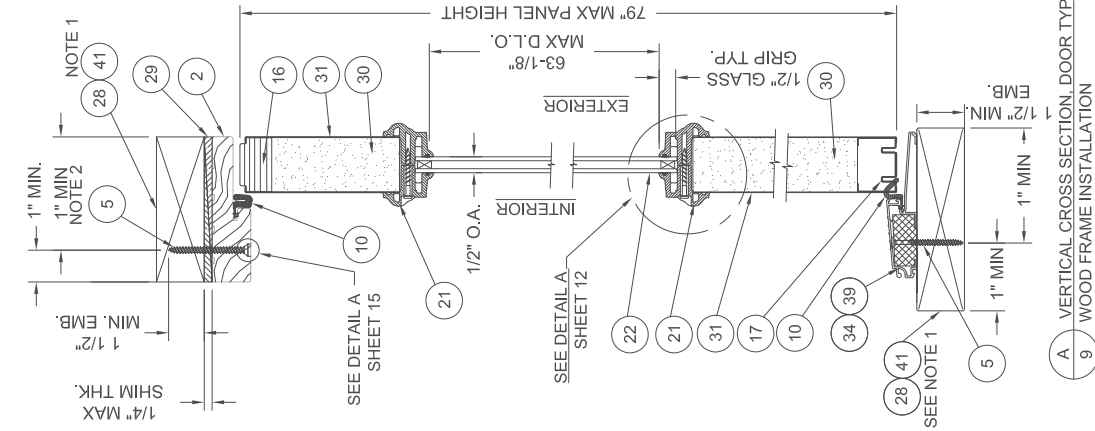
DATE: 12/31/09
SCALE: 3" = 1'
DWG. BY: LUBBECKE
CHK BY: S. FREY
DRAWING NO.: JW172009
SHEET 7 OF 16

PRODUCT:
ENERGY SAVER/CONTOUR, FULL LITE,
WOOD EDGE 5-4x8-0 (O/OXO)
INSWING/OUTSWING 24GA. STEEL DOOR
PART OR ASSEMBLY:
BY

NO.	DATE	REVISIONS
B	8-17-17	ADD ADA THRESHOLD
A	01-24-20	CHANGED CORE

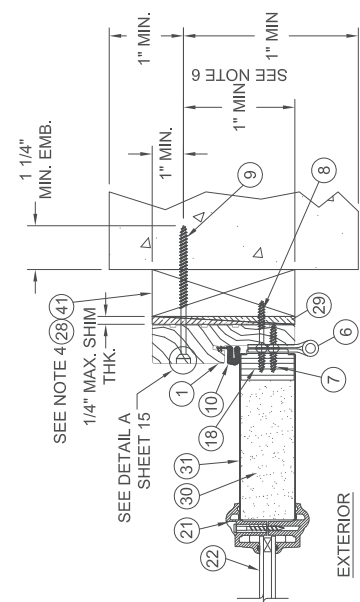
JELD-WEN, INC.
3737 LAKEPORT BLVD.
KLAMATH FALLS, OR, 97601
PH. 541-882-3451

- NOTES
1. FOR ANCHOR SPACING, SEE SHEETS 13, 14 & 15.
 2. SPACING FOR ITEM #12 FROM TOP DOWN:
6", 28-5", 50-7", 73-3"
 3. ASTRAGAL SCREW SPACING FOR ITEM #14
FROM TOP DOWN: 3", 2" 3-7", 20", 24-3", 39"
 4. 1X BUCK MAY BE UTILIZED AS AN OPTION
AS LONG AS MIN. ANCHOR EMBEDMENT
DEPTH, INTO MASONRY, CONCRETE, OR
WOOD, IS MAINTAINED.
 5. TAPCON (ITEM #9) ANCHOR SPACING SAME
AS WOOD ANCHOR (ITEM #5) SPACING.
 6. OPTIONALLY, ANCHOR CAN BE PLACED IN
NARROW SECTION OF HEAD OR JAMB.

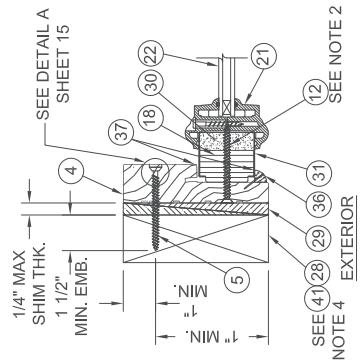
[illegible]

JELD-WEN, INC.
3737 LAKEPORT BLVD.
KLAMATH FALLS, OR, 97601
PH. 541-882-3451

DATE: 12/31/09
SCALE: 3" = 1'
DWG. BY: S. FREY
DRAWING NO.: JW172009
SHEET 0 OF 16

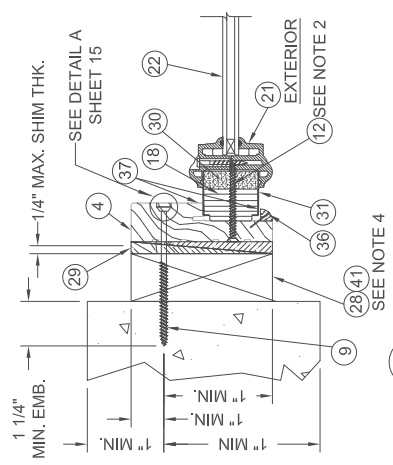


A HORIZONTAL CROSS SECTION
11 VIEW AT DOOR HINGE/SIDE JAMB
(MASONRY AND CONCRETE INSTALL)

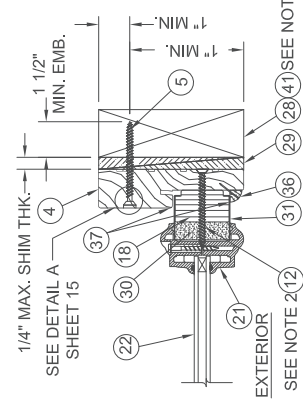


B HORIZONTAL CROSS SECTION
11 VIEW AT DOOR LATCH/SIDE JAMB
(WOOD INSTALL)

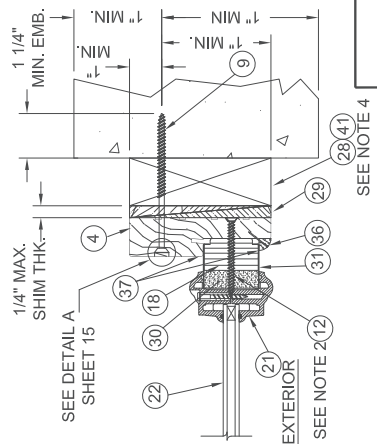
C HORIZONTAL CROSS SECTION
11 VIEW AT FIXED PANEL/SIDE JAMB
(WOOD INSTALL)



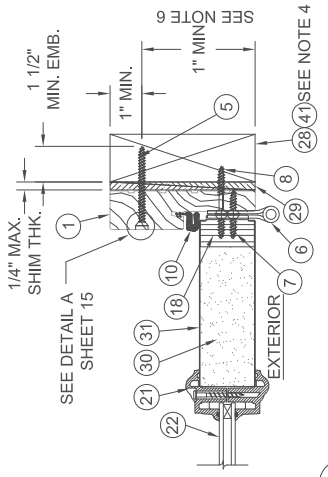
D HORIZONTAL CROSS SECTION
11 VIEW AT FIXED PANEL/SIDE JAMB
(MASONRY AND CONCRETE INSTALL)



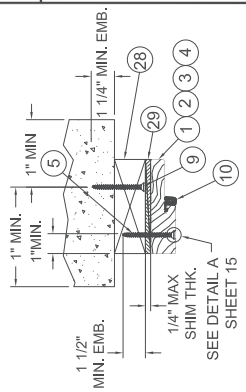
E HORIZONTAL CROSS SECTION
11 VIEW AT FIXED PANEL/SIDE JAMB
(WOOD INSTALL)



F HORIZONTAL CROSS SECTION
11 VIEW AT FIXED PANEL/SIDE JAMB
(MASONRY AND CONCRETE INSTALL)

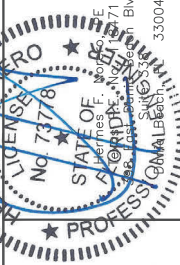


G HORIZONTAL CROSS SECTION
11 VIEW AT DOOR LATCH/SIDE JAMB
(WOOD INSTALL)



OPTIONAL MASONRY AND CONCRETE
INSTALLATION FOR HEADERS AND JAMBS
SEE NOTE 5 & 6, THIS PAGE

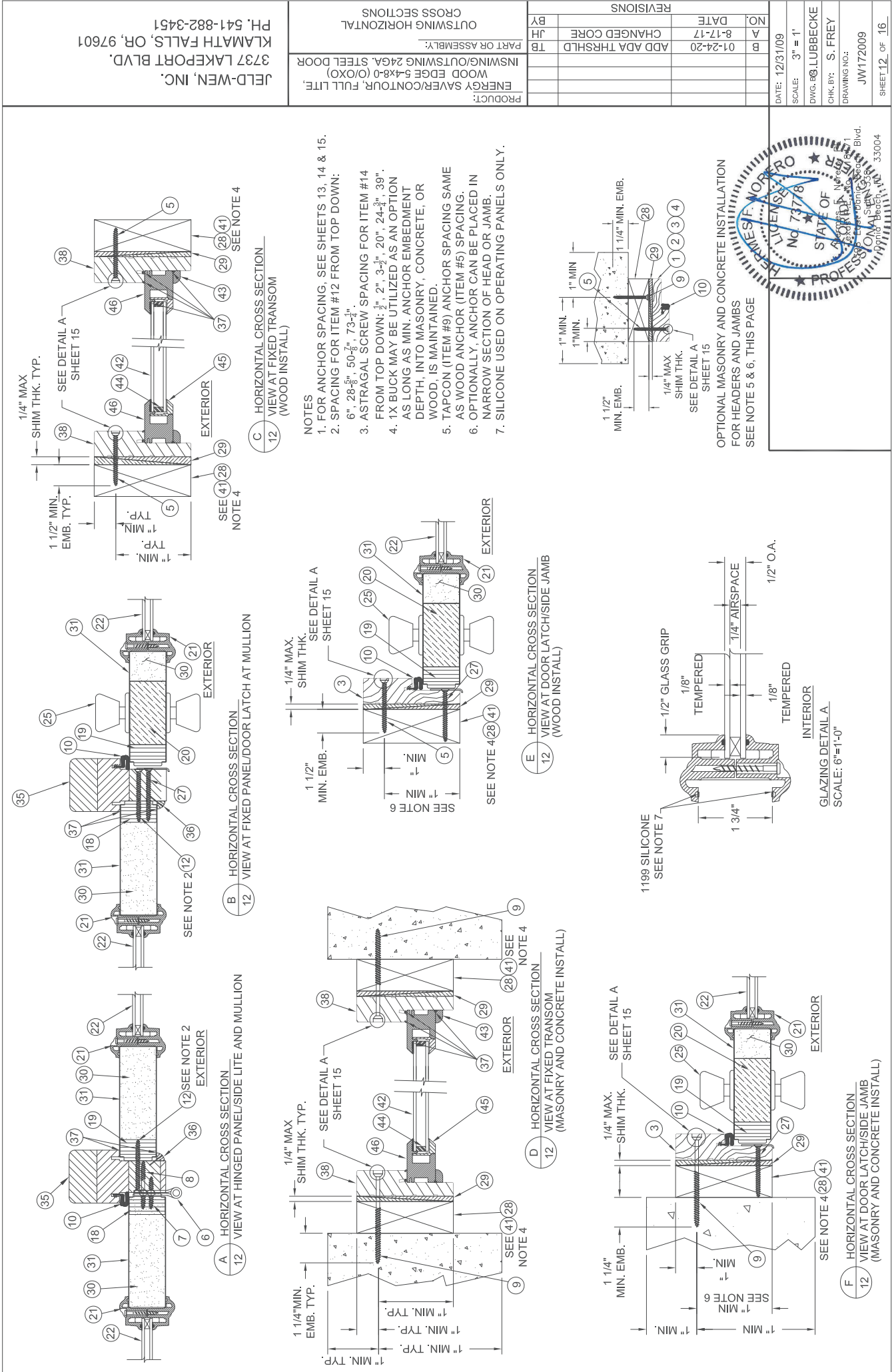
- NOTES**
1. FOR ANCHOR SPACING, SEE SHEETS 13, 14 & 15.
 2. SPACING FOR ITEM #12 FROM TOP DOWN:
6", 28-5/8", 50-7/8", 73-1/4".
 3. ASTRAGAL SCREW SPACING FOR ITEM #14 FROM TOP DOWN: 3", 2", 3-1/2", 20", 24-3/8", 39".
 4. 1X BUCK MAY BE UTILIZED AS AN OPTION AS LONG AS MIN. ANCHOR EMBEDMENT DEPTH, INTO MASONRY, CONCRETE, OR WOOD, IS MAINTAINED.
 5. TAPCON (ITEM #9) ANCHOR SPACING SAME AS WOOD ANCHOR (ITEM #5) SPACING.
 6. OPTIONALLY, ANCHOR #9 MAY BE PLACED IN NARROW SECTION OF HEAD OR JAMB.



PRODUCT:	
ENERGY SAVING/CONTOUR, FULL LITE, WOOD EDGE 5-4x8-0 (O/OXO) INSWING/OUTSWING 24GA. STEEL DOOR	
PART OR ASSEMBLY:	
OUTSWING HORIZONTAL CROSS SECTIONS	
REVISIONS	
NO.	DATE
A	8-17-17
B	01-24-20
ADD ADA THRSHLD	
CHANGED CORE	
BY	
JH	

DATE:	12/31/09
SCALE:	3" = 1'
DWG. BY:	S. FREY
CHK. BY:	S. FREY
DRAWING NO.:	JW172009
SHEET	11 OF 16

JELD-WEN, INC.
3737 LAKEPORT BLVD.
KLAMATH FALLS, OR, 97601
PH. 541-882-3451



1/4" MAX SHIM THK. TYP.

1 1/2" MIN. EMB. TYP.

1" MIN. TYP.

SEE DETAIL A SHEET 15

SEE NOTE 4

SEE 41/28 NOTE 4

EXTERIOR

12 HORIZONTAL CROSS SECTION VIEW AT FIXED TRANSOM (WOOD INSTALL)

NOTES

1. FOR ANCHOR SPACING, SEE SHEETS 13, 14 & 15.

2. SPACING FOR ITEM #12 FROM TOP DOWN:

6" 28-5/8" 50-7/8" 73-1/4"

3. ASTRAGAL SCREW SPACING FOR ITEM #14 FROM TOP DOWN: 3" 3-3/8" 20" 24-3/8" 39"

4. 1X BUCK MAY BE UTILIZED AS AN OPTION AS LONG AS MIN. ANCHOR EMBEDMENT DEPTH, INTO MASONRY, CONCRETE, OR WOOD, IS MAINTAINED.

5. TAPCON (ITEM #9) ANCHOR SPACING SAME AS WOOD ANCHOR (ITEM #5) SPACING.

6. OPTIONALLY, ANCHOR CAN BE PLACED IN NARROW SECTION OF HEAD OR JAMB.

7. SILICONE USED ON OPERATING PANELS ONLY.

1" MIN.

1" MIN.

1 1/2" MIN. EMB.

1/4" MAX SHIM THK.

1" MIN.

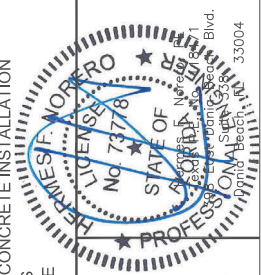
1 1/4" MIN. EMB.

SEE DETAIL A SHEET 15

12 HORIZONTAL CROSS SECTION VIEW AT DOOR LATCH/SIDE JAMB (WOOD INSTALL)

12 HORIZONTAL CROSS SECTION VIEW AT DOOR LATCH/SIDE JAMB (MASONRY AND CONCRETE INSTALL)

OPTIONAL MASONRY AND CONCRETE INSTALLATION FOR HEADERS AND JAMBS SEE NOTE 5 & 6, THIS PAGE



DATE: 12/31/09

SCALE: 3" = 1'

DWG. BY: S. FREY

CHK. BY: S. FREY

DRAWING NO.: JW172009

SHEET 12 OF 16

12 HORIZONTAL CROSS SECTION VIEW AT HINGED PANEL/SIDE LITE AND MULLION

1 1/2" MIN. EMB.

1/4" MAX. SHIM THK.

SEE DETAIL A SHEET 15

1" MIN.

1" MIN.

12 HORIZONTAL CROSS SECTION VIEW AT DOOR LATCH/SIDE JAMB (WOOD INSTALL)

1199 SILICONE SEE NOTE 7

1/2" GLASS GRIP

1/8" TEMPERED

1/4" AIRSPACE

1/2" O.A.

12 HORIZONTAL CROSS SECTION VIEW AT DOOR LATCH/SIDE JAMB (MASONRY AND CONCRETE INSTALL)

12 HORIZONTAL CROSS SECTION VIEW AT DOOR LATCH/SIDE JAMB (MASONRY AND CONCRETE INSTALL)

1 1/4" MIN. EMB. TYP.

1" MIN. TYP.

1" MIN. TYP.

1" MIN. TYP.

12 HORIZONTAL CROSS SECTION VIEW AT FIXED TRANSOM (WOOD INSTALL)

1 1/4" MIN. EMB. TYP.

1" MIN. TYP.

1" MIN. TYP.

1" MIN. TYP.

12 HORIZONTAL CROSS SECTION VIEW AT FIXED TRANSOM (MASONRY AND CONCRETE INSTALL)

1 1/4" MIN. EMB.

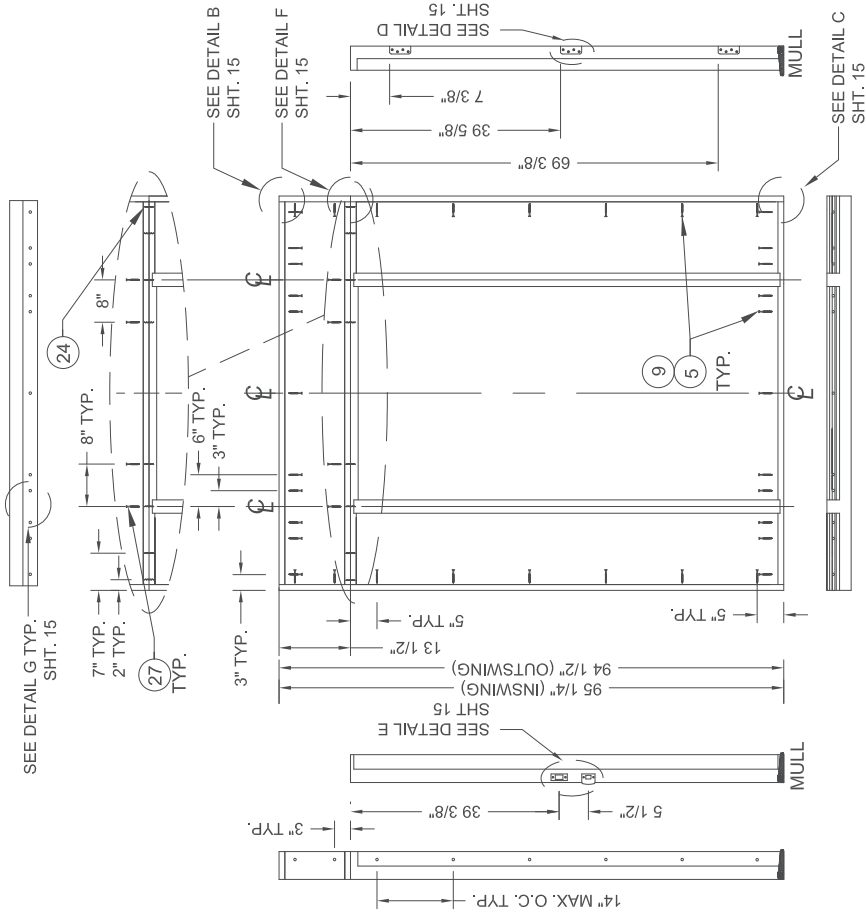
1" MIN.

1" MIN.

1" MIN.

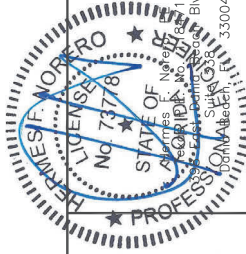
12 HORIZONTAL CROSS SECTION VIEW AT DOOR LATCH/SIDE JAMB (MASONRY AND CONCRETE INSTALL)

12 HORIZONTAL CROSS SECTION VIEW AT DOOR LATCH/SIDE JAMB (MASONRY AND CONCRETE INSTALL)



ANCHORING LOCATIONS TRI UNIT W/ TRANSOM
INSWING/OUTSWING UNIT (O/OXO)
SCALE: 1/2" = 1'-0"

NOTE:
1 - ANCHOR SPACING FOR BOTH INSWING & OUTSWING.

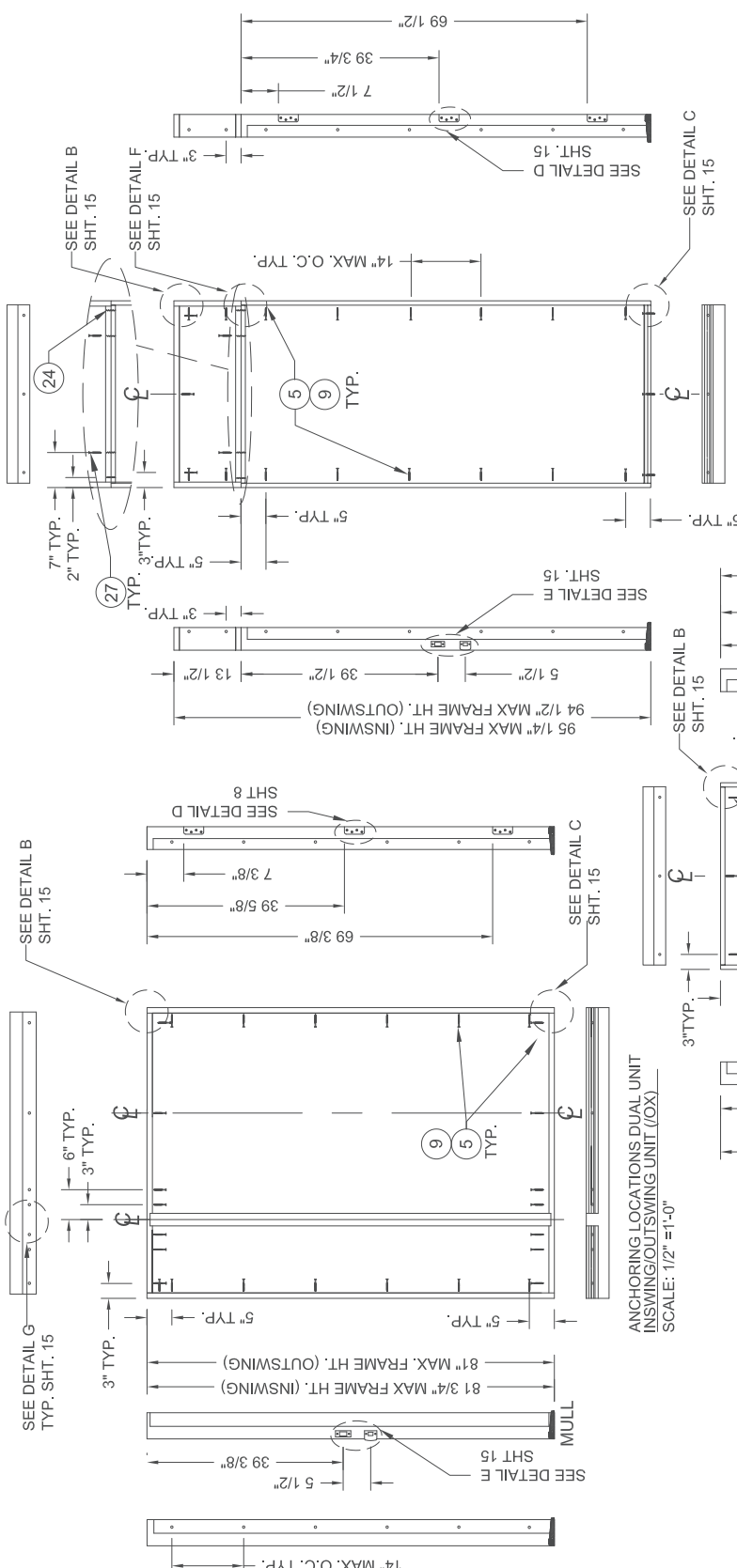


DATE: 12/31/09
SCALE: 1/2" = 1'
DWG. BY: S. FREY
CHK. BY: S. FREY
DRAWING NO: JW172009
SHEET 13 OF 16

NO.	DATE	REVISIONS
A	8-17-17	CHANGED CORE
B	01-24-20	ADD ADA THRSULD
JH		
BY		

PRODUCT:	ENERGY SAVER/CONTOUR, FULL LITE, INSWING/OUTSWING 24GA. STEEL DOOR
PART OR ASSEMBLY:	ANCHORING LOCATIONS INSWING/OUTSWING

JELD-WEN, INC.
3737 LAKEPORT BLVD.
KLAMATH FALLS, OR, 97601
PH. 541-882-3451



ANCHORING LOCATIONS SINGLE UNIT W/ TRANSOM
INSWING/OUTSWING UNIT (OX)
SCALE: 1/2" = 1'-0"

ANCHORING LOCATIONS SINGLE UNIT
INSWING/OUTSWING UNIT (X)
SCALE: 1/2" = 1'-0"

NOTE:
1-ANCHOR SPACING FOR BOTH INSWING AND OUTSWING.

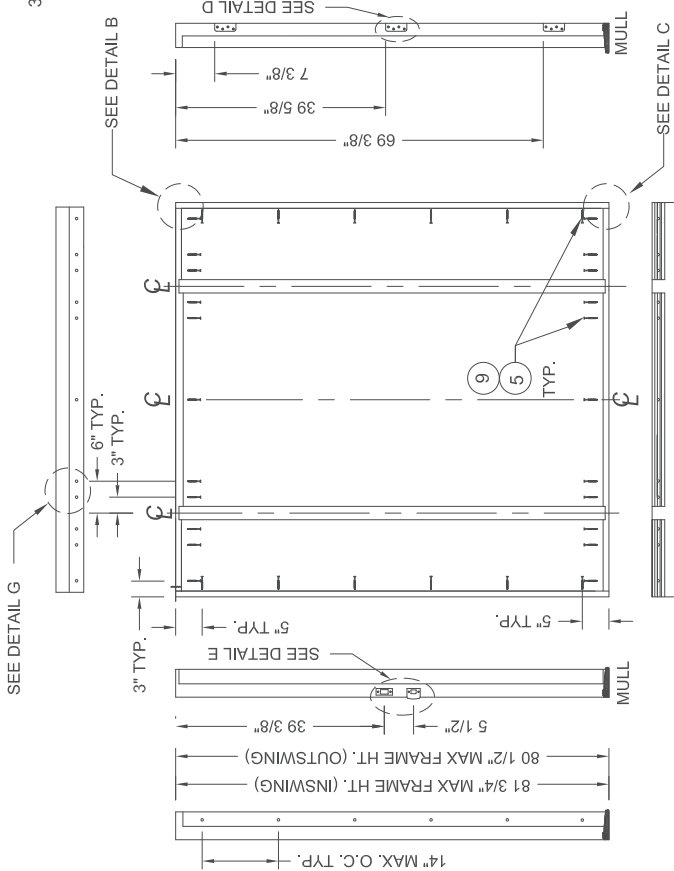


DATE: 12/31/09
SCALE: 1/2" = 1'
DWG. BY: S. FREY
CHK. BY: S. FREY
DRAWING NO: JW172009
SHEET 14 OF 16

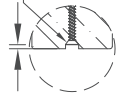
NO.	DATE	REVISIONS
A	8-17-17	CHANGED CORE
B	01-24-20	ADD ADA THRSOLD
JH		
BY		

PRODUCT: ENERGY SAYER/CONTOUR, FULL LITE, WOOD EDGE 5-4x8-0 (O/OXO) INSWING/OUTSWING 24GA. STEEL DOOR
PART OR ASSEMBLY:
ANCHORING LOCATIONS INSWING/OUTSWING UNITS

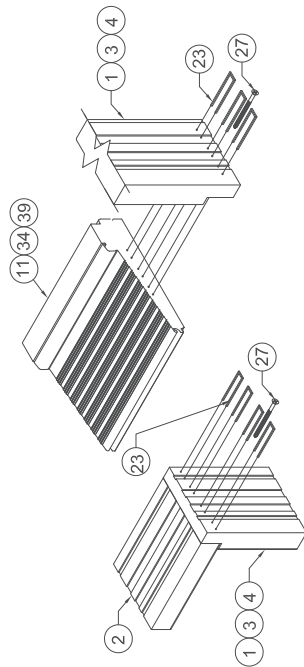
JELD-WEN, INC.
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KLAMATH FALLS, OR, 97601
PH. 541-882-3451



3/16" C-SINK.

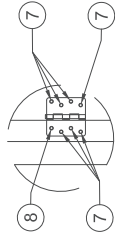


NOTE
 1 - USE #10 WOOD INSTALLATION SCREW W/ 1.50" MIN. EMBEDMENT WHEN INSTALLING INTO WOOD SUBSTRATE AT HEAD & JAMBS.
 2 - USE 3/16" ITW TAPCON ANCHOR W/ 1 1/4" MIN. EMBD. WHEN INSTALLING INTO CONCRETE/MASONRY SUBSTRATE AT SIDELITE SILLS.
 3 - SCREW AND TAPCON ANCHORS CAN BE EMBEDDED IN EITHER THE 1 1/4" OR 3/4" THICK PORTION OF THE JAMB AS LONG AS THE SUBSTRATE EMBEDMENT IS MAINTAINED.



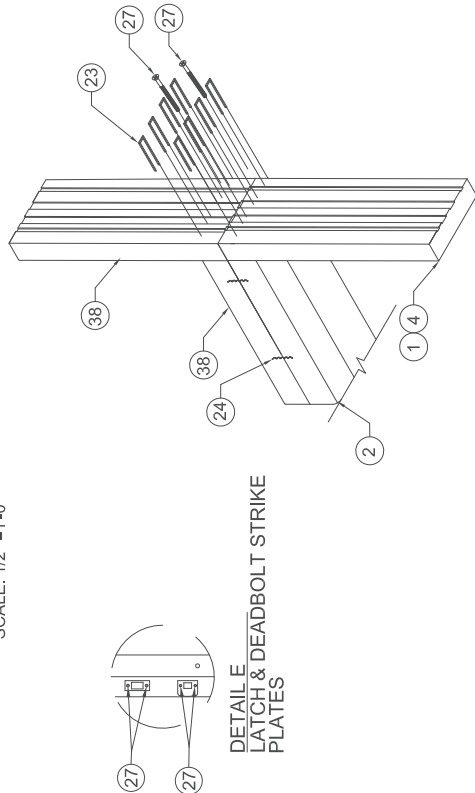
DETAIL B
CORNER DETAIL AT HEAD

DETAIL C
CORNER DETAIL AT SILL

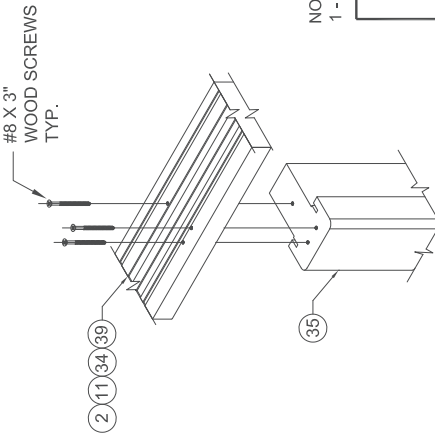


DETAIL D
HINGE DETAIL

ANCHORING LOCATIONS TRI UNIT
 INSWING/OUTSWING UNIT (OXO)
 SCALE: 1/2" = 1'-0"

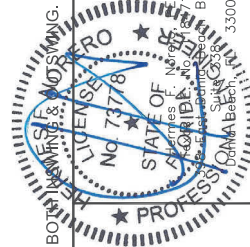


DETAIL E
LATCH & DEADBOLT STRIKE
PLATES



DETAIL G
MULL POST (SILL SIMILAR)

NOTE:
 1 - ANCHOR SPACING FOR BOTH UNITS IS 16" ON CENTER.



DATE: 12/31/09
 SCALE: AS SHOWN
 DWG. BY: S. FREY
 CHK. BY: S. FREY
 DRAWING NO.: JW172009
 SHEET 15 OF 16

PRODUCT:		ANCHORING LOCATIONS & DETAILS	
ENERGY SAVER/CONTOUR, FULL LITE, WOOD EDGE 5-4x8-0 (O/OXO)		PART OR ASSEMBLY:	
INSWING/OUTSWING 24GA. STEEL DOOR		REVISONS	
		NO.	DATE
		BY	
		JH	
		TB	
		CHANGED CORE	
		ADD ADA THRSHL	

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