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Product Approval
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SECRETARY

FL #	FL47213	
Application Type	New	
Code Version	2023	
Application Status	Approved	
Comments		
Archived	☐	
Product Manufacturer	Eco Window Systems	
Address/Phone/Email	8502 NW 80th Street Suite 103 Medley, FL 33166 (305) 885-5299 carlos.martinez@ecowindowsystems.com	
Authorized Signature	Carlos Martinez carlos.martinez@ecowindowsystems.com	
Technical Representative		
Address/Phone/Email		
Quality Assurance Representative		
Address/Phone/Email		
Category	Windows	
Subcategory	Single Hung	
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	Javad Ahmad	
Florida License	PE-70592	
Quality Assurance Entity	Keystone Certifications, Inc.	
Quality Assurance Contract Expiration Date	12/31/2032	
Validated By	Ammad Riaz, P.E. ☒ Validation Checklist - Hardcopy Received	
Certificate of Independence	FL47213_R0_COI_Certificate_of_Independence_JA-PE.pdf	
Referenced Standard and Year (of Standard)	<u>Standard</u>	<u>Year</u>
	TAS 201	1994
	TAS 202	1994
	TAS 203	1994
Equivalence of Product Standards Certified By		
Sections from the Code		

Product Approval Method

Method 1 Option D

Date Submitted 12/20/2024
Date Validated 12/20/2024
Date Pending FBC Approval 12/22/2024
Date Approved 02/11/2025

Summary of Products

FL #	Model, Number or Name	Description
47213.1	ECO-NOVO Series 175 Single Hung Window System	Large and Small Missile Impact Resistant Single Hung Window System
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +70/-70 Other: Please see enclosed documents for product performance information, anchorage details, anchor type, maximum sizes and spacing information.		Installation Instructions FL47213_R0_II_ECO-NOVO_SERIES_175_SINGLE_HUNG_WINDOW-JA-2042-24.pdf Verified By: Javad Ahmad PE-70592 Created by Independent Third Party: Yes Evaluation Reports FL47213_R0_AE_ECO-NOVO_Series_175_Single_Hung_Window-PA_EVR.pdf Created by Independent Third Party: Yes

[Back](#)

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

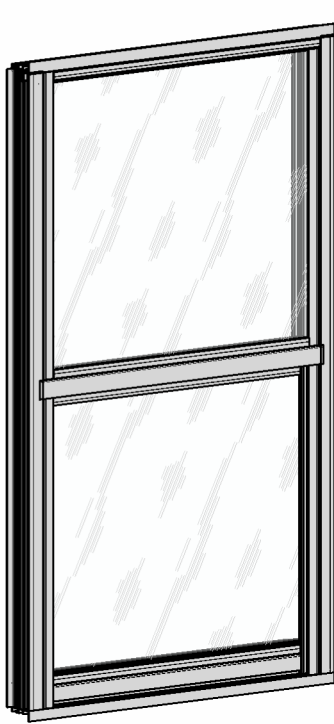
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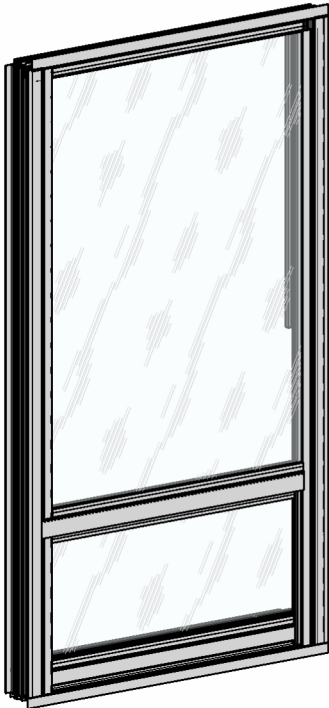
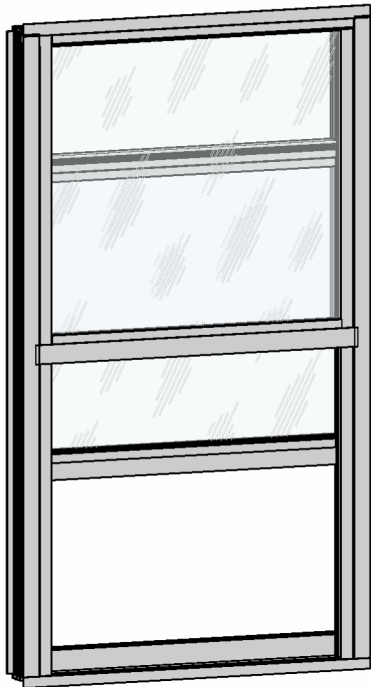
Product Approval Accepts:



SHEET INDEX	
101	COVER PAGE
102	TYPICAL ELEVATIONS
103	SECTIONAL DETAILS- HORIZONTAL
104	SECTIONAL DETAILS- VERTICAL
105	GLAZING DETAIL & LOADING CHART
106	ANCHOR LAYOUT
107	TYPICAL ANCHORAGE DETAILS
108	PARTS LIST
109	CORNER ASSEMBLY DETAIL
NOTE: - THIS PRODUCT APPROVAL DRAWING IS A TABULATED PERFORMANCE ANALYSIS OF THE INDIVIDUAL COMPONENTS AND DOES NOT CONTAIN INFORMATION ON EACH PROJECT SITE SPECIFIC CONDITION. - STRUCTURAL, WATERPROOFING, SEALING, GUARD, AESTHETICS AND/OR OTHER MISCELLANEOUS REQUIREMENTS MUST BE COORDINATED AND APPROVED BY THE AUTHORITY HAVING JURISDICTION - FOR SITE-SPECIFIC CONDITIONS WHERE THE DESIGN PRESSURE / PRODUCT SIZE EXCEEDS THE VALUES SHOWN IN THIS DOCUMENT, CONTACT ECO WINDOW SYSTEM, LLC FOR SPECIAL APPROVALS THROUGH THEIR OFFICIAL MAIL carlos.martinez@ecowindowssystems.com / CONTACT DETAILS PROVIDED ON THE RIGHT SIDE OF THIS SHEET.	
NOTE: - THIS PRODUCT APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF S.H./S.H. OR SINGLE HUNG WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING F.B.C. APPROVED MULLIONS IN BETWEEN. - LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.	



EQUAL LITE CONFIGURATION



UNEQUAL LITE CONFIGURATION

GENERAL NOTES: 1. THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2023 (8 TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ). 2. GLASS CAPACITIES FOUND IN THE CHARTS HEREIN THIS CERTIFICATION ARE BASED ON ASTM E1300-16 (3 SEC. GUSTS). 3. ALL DESIGN PRESSURES NOTED HEREIN ARE 'ALLOWABLE STRESS DESIGN' (ASD) PRESSURES BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR. 4. 1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE. 5. ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. 6. GAURD REQUIREMENTS SHALL BE REVIEWED ON A SITE-SPECIFIC BASIS. 7. NO FACTORS HAVE BEEN USED IN ALLOWABLE STRESS CAPACITY OF THE PRODUCT. ANCHORS FOR WOODEN SUBSTRATE HAVE BEEN PROVIDED USING LOAD DURATION FACTOR OF Cd=1.6. 8. ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE. 9. MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS. 10. THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC. 11. CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL. 12. CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. 13. THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS. 14. SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW. 15. THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT. 16. ENSURE A COMPREHENSIVE REVIEW OF THE NOTES ON EACH SHEET TO AVOID ANY POTENTIAL PROBLEM IN UTILIZING THIS APPROVAL. 17. MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS. 18. FASTENERS DESCRIBED IN THIS CERTIFICATION ARE PERMITTED TO BE SUBSTITUTED, PROVIDED THAT STRENGTH OF THE ALTERNATIVE ANCHOR IS EQUAL TO OR GREATER THAN THE ORIGINALLY SPECIFIED ANCHOR. FINAL APPROVAL OF SUBSTITUTED ANCHORS SHALL BE BY OTHERS. 19. WOOD SCREWS REFERENCED IN THIS CERTIFICATION SHALL BE GRADE 2 MIN. (Fu = 74,000 PSI). 20. FASTENERS SHALL BE CADMIUM PLATED OR OTHERWISE CORROSION-RESISTANT MATERIAL AND SHALL COMPLY WITH "SPECIFICATIONS FOR ALUMINUM STRUCTURES" SECTION J.3 OF THE CURRENT CODE BY THE ALUMINUM ASSOCIATION, INC., & ANY APPLICABLE FEDERAL, STATE, AND/OR LOCAL CODES. 21. ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION. 22. SAFEGUARDS MUST BE OBSERVED (NOT PART OF THIS CERTIFICATION).	
INSTRUCTIONS: (CLICK ON THE BUTTON ON THE RIGHT TO DIRECTLY REACH THE DETAIL) STEP 1 - WIND PRESSURE CALCULATION (BY OTHERS): DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD. STEP 2 SIZE AND CAPACITY SELECTION SEE THE LOADING CHART ON SHEET 105 FOR DESIGN LOAD CAPACITY OF DESIRED WINDOW SIZE. THIS VALUE SHOULD MEET OR EXCEED THE DESIGN WIND LOAD REQUIREMENT OBTAINED IN STEP 1 ABOVE. CLICK HERE STEP 3 ANCHOR SELECTION - SELECT APPROPRIATE ANCHOR FROM SHEET 106. CLICK HERE - ANCHORAGE DETAILS- FOR VARIOUS SUBSTRATES- SEE SHEET 103, 104 AND 107. CLICK HERE	
THIS SYSTEM IS APPROVED FOR INSTALLATION WHERE WATER INFILTRATION RESISTANCE IS REQUIRED. THIS SYSTEM IS RATED FOR LARGE & SMALL MISSILE IMPACT.	
ECO-NOVO SERIES: 175 SINGLE HUNG WINDOW SYSTEM (LARGE AND SMALL MISSILE IMPACT RATED)  ECO WINDOW SYSTEMS, LLC 5800 N.W. 80th ST., MEDLEY, FL 33166 TEL: (305) 885-5299 FAX: (305) 885-5902	
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101	101 OF 109

ECO WINDOW SYSTEMS, LLC

ECO-NOVO SERIES: 175 SINGLE HUNG WINDOW SYSTEM

(LARGE AND SMALL MISSILE IMPACT RATED)

FL# 47213

101

COVER PAGE

102

TYPICAL ELEVATIONS

103

SECTIONAL DETAILS- HORIZONTAL

104

SECTIONAL DETAILS- VERTICAL

105

GLAZING DETAIL & LOADING CHART

106

ANCHOR LAYOUT

107

TYPICAL ANCHORAGE DETAILS

108

PARTS LIST

109

CORNER ASSEMBLY DETAIL

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- FOR SITE-SPECIFIC CONDITIONS WHERE THE DESIGN PRESSURE / PRODUCT SIZE EXCEEDS THE VALUES SHOWN IN THIS DOCUMENT, CONTACT ECO WINDOW SYSTEM, LLC FOR SPECIAL APPROVALS THROUGH THEIR OFFICIAL MAIL
carlos.martinez@ecowindowssystems.com / CONTACT DETAILS PROVIDED ON THE RIGHT SIDE OF THIS SHEET.

NOTE:

- THIS PRODUCT APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF S.H./S.H. OR SINGLE HUNG WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING F.B.C. APPROVED MULLIONS IN BETWEEN.
- LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

BS

drawn by:

JA-2042-24

12-19-24

drawing no.

date:

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REVISION

DESCRIPTION

BY

DATE

No.

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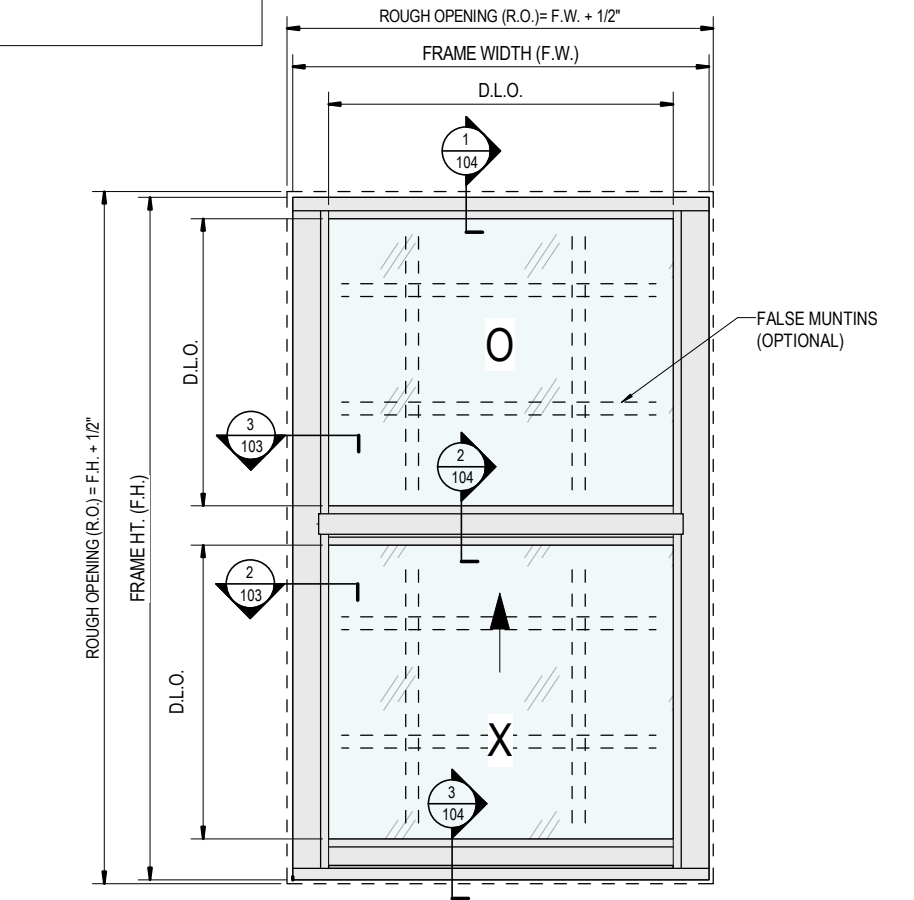
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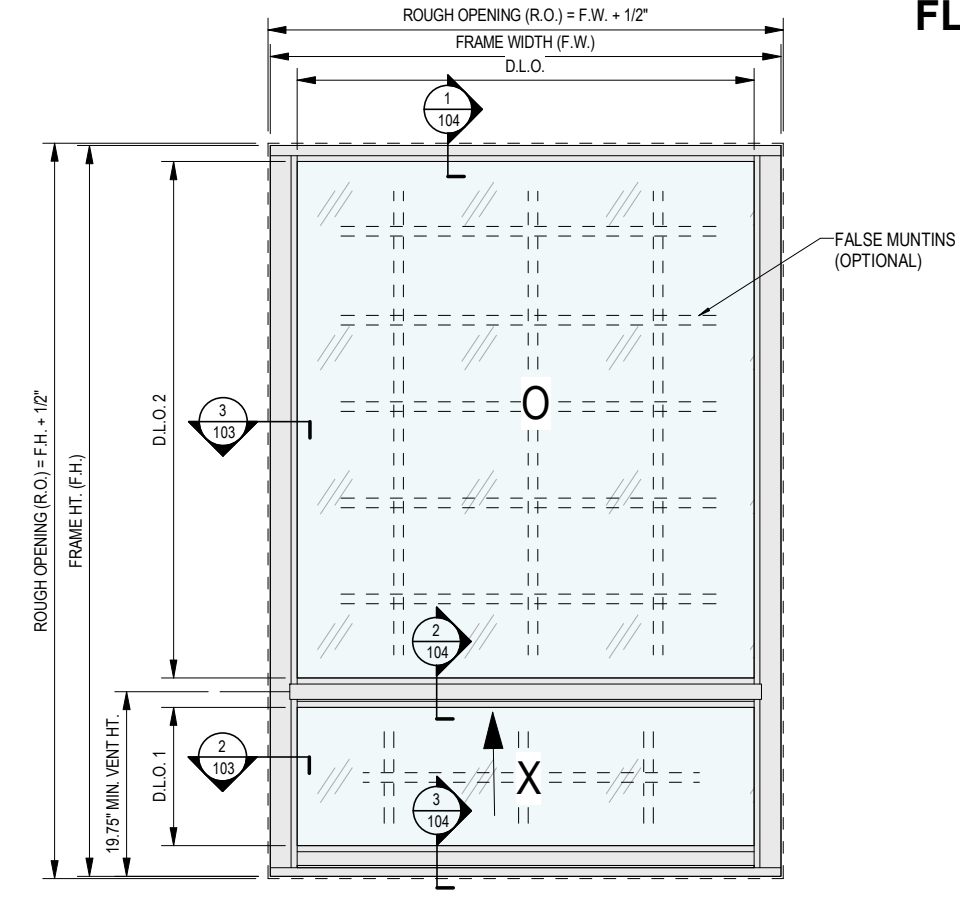
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TYPICAL ELEVATIONS

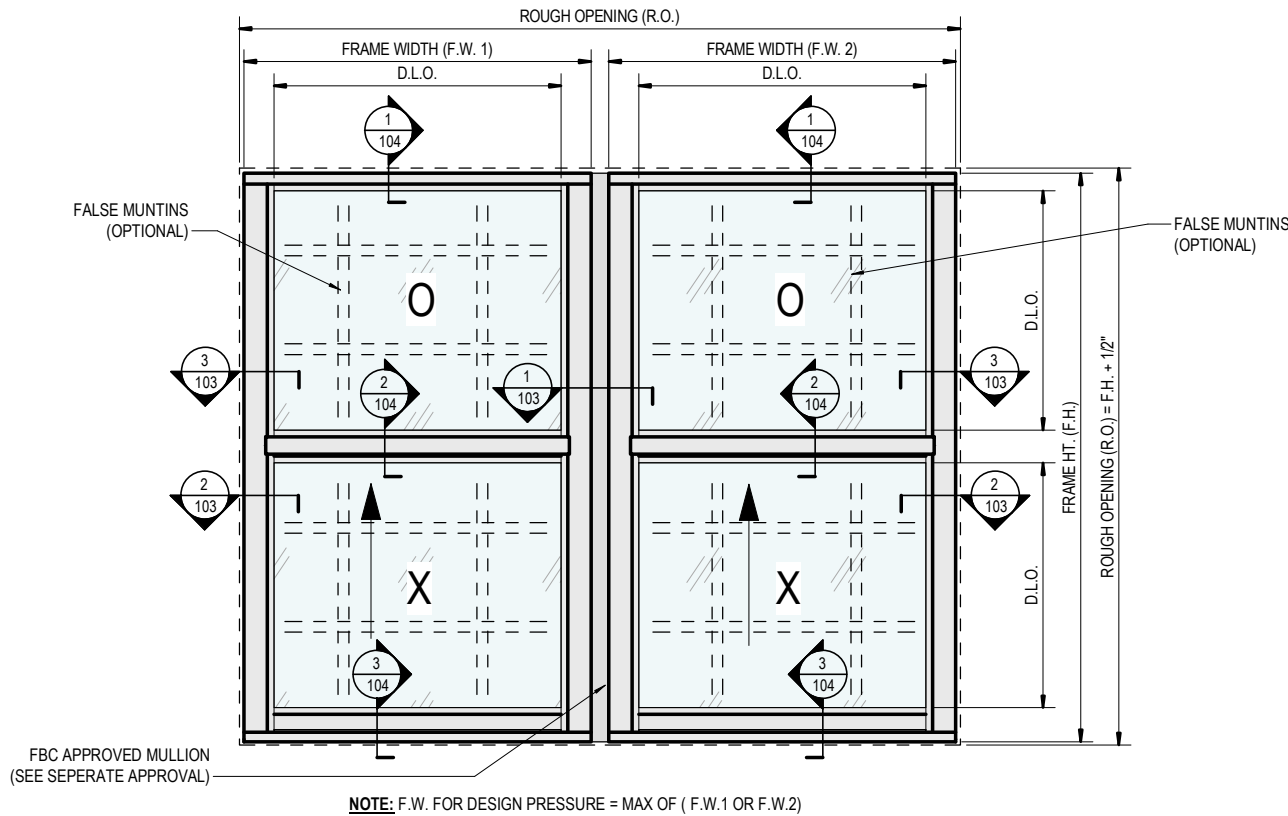
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1
102
EQUAL LITES TYPICAL WINDOW ELEVATION
NOT TO SCALE



2
102
UNEQUAL LITES TYPICAL WINDOW ELEVATION
NOT TO SCALE



3
102
SIDE BY SIDE TYPICAL WINDOW ELEVATION
NOT TO SCALE

NOTE:
FOR ALLOWABLE DESIGN PRESSURES, SEE SHEET 105.



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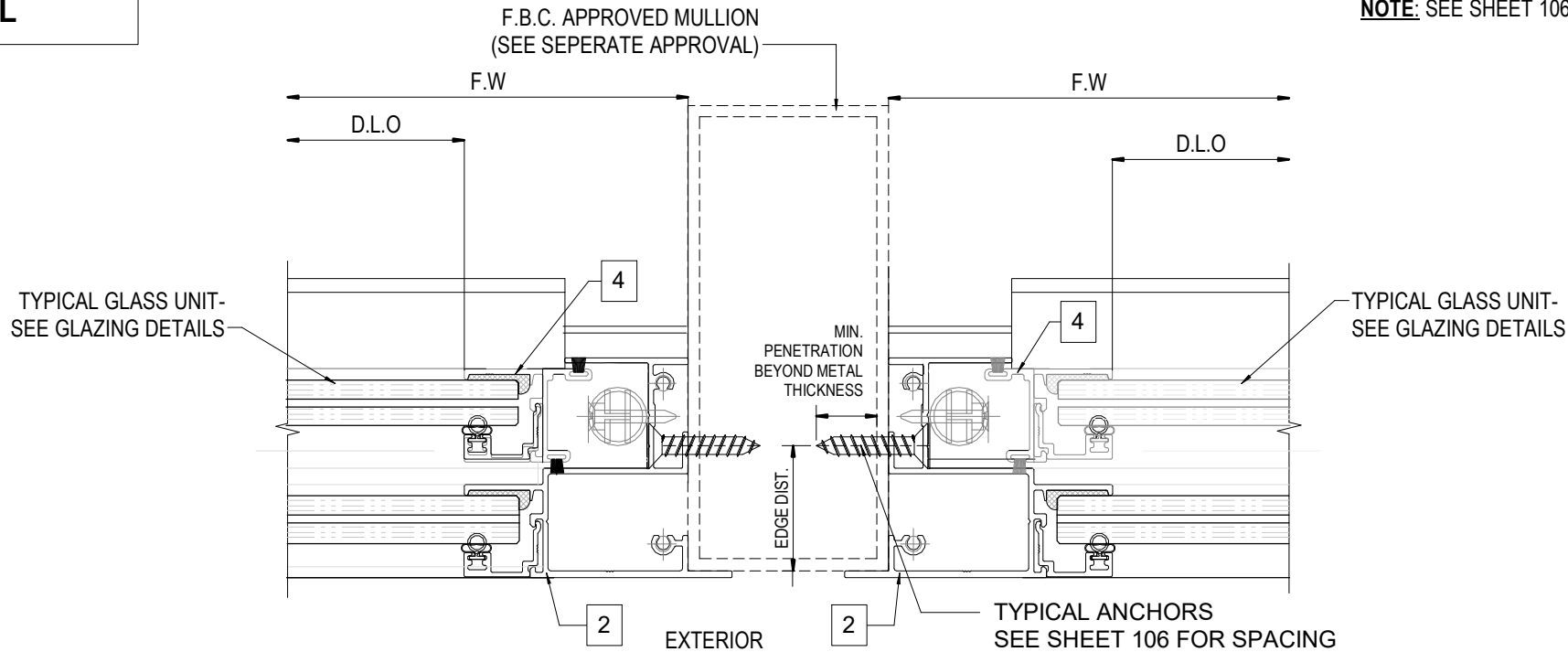
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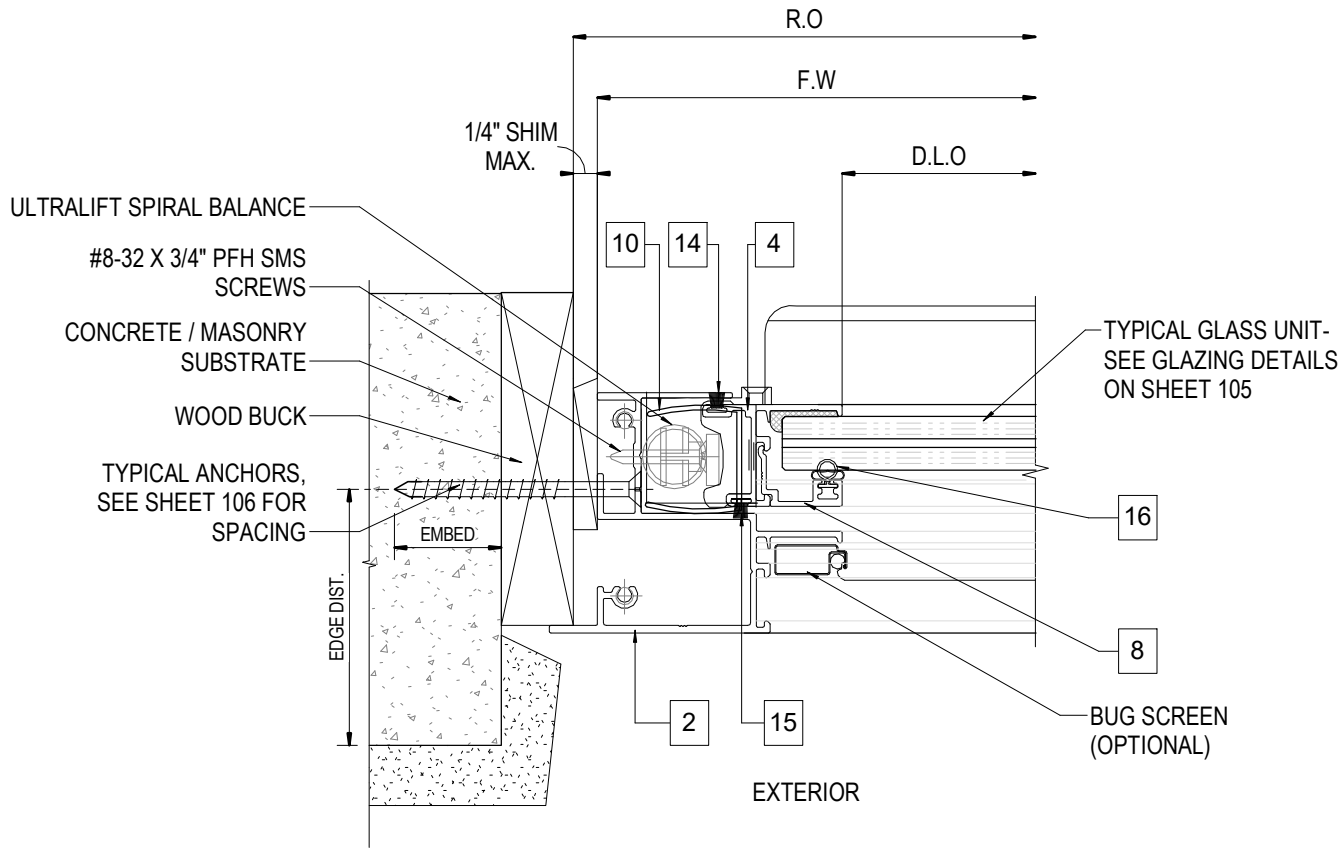
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8602 N.W. 80th ST. MEDLEY, FL 33166
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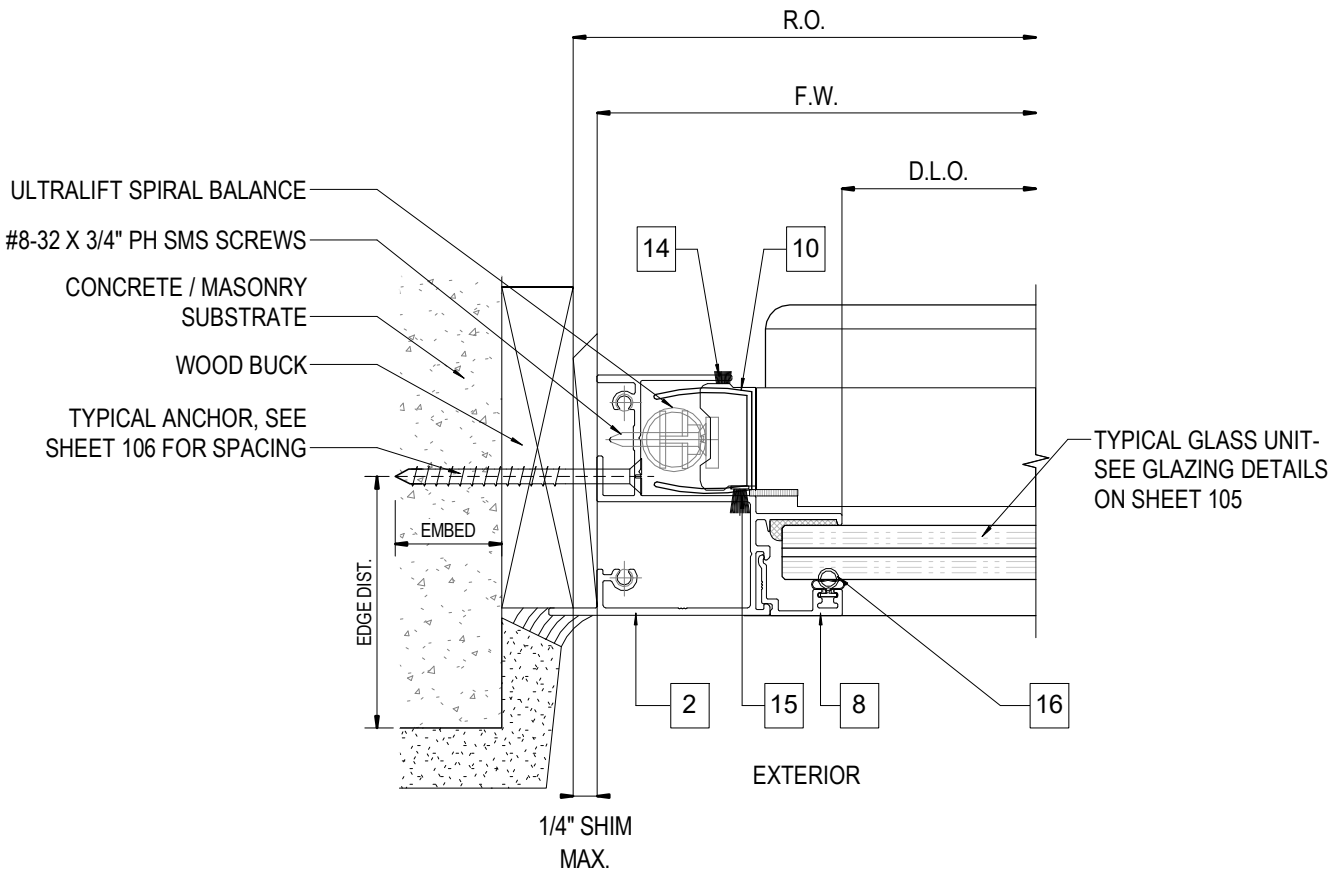
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1
103
TYPICAL JAMB DETAIL - SIDE BY SIDE WINDOWS
NOT TO SCALE



2
103
TYPICAL JAMB DETAIL - LOWER VENT
NOT TO SCALE



3
103
TYPICAL JAMB DETAIL- UPPER VENT
NOT TO SCALE



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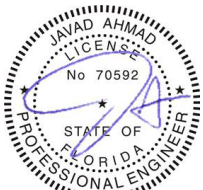
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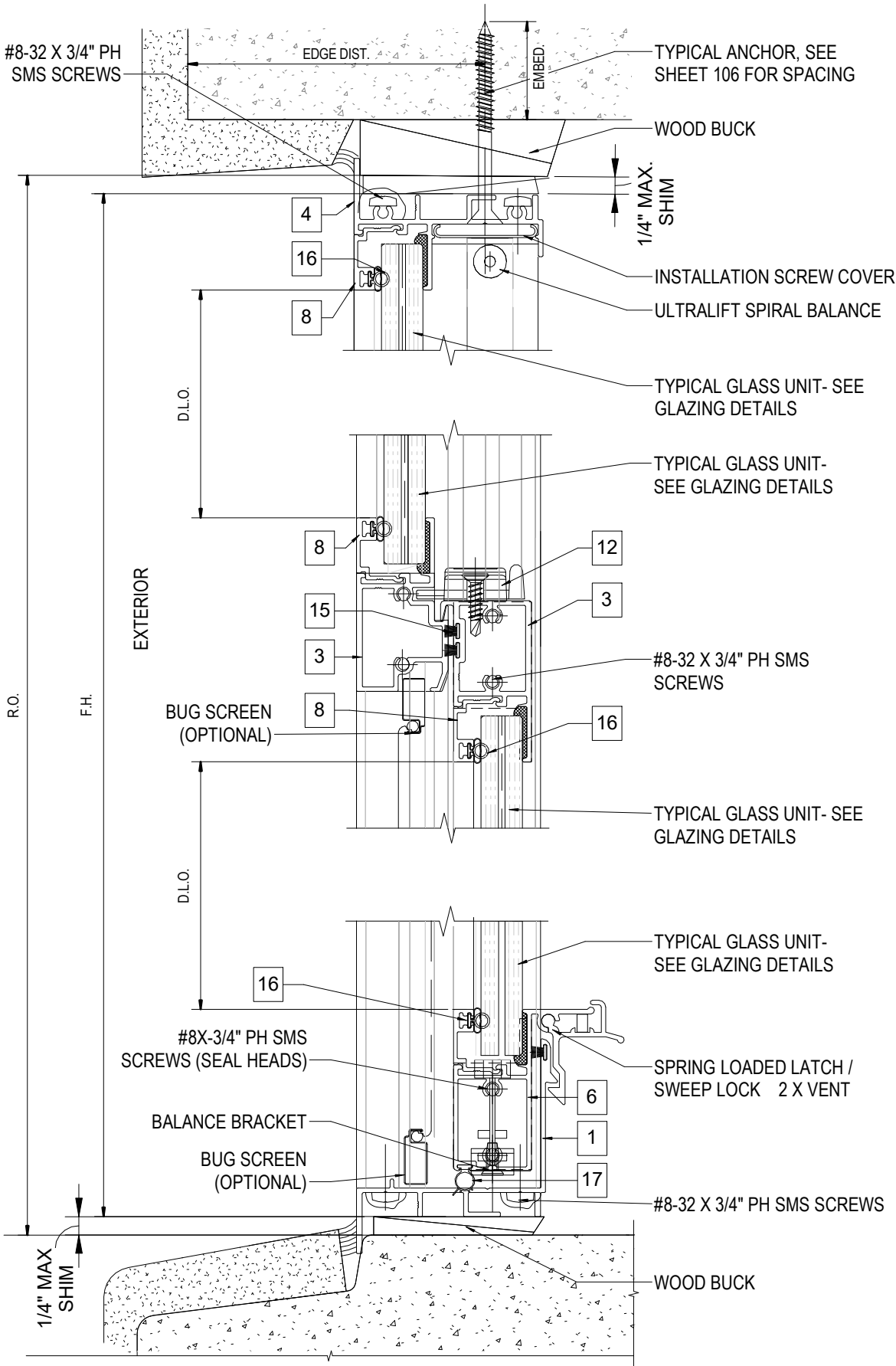
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WINDOW SYSTEM
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1
104
TYPICAL HEADER DETAIL
NOT TO SCALE

2
104
TYPICAL INTERLOCK DETAIL
NOT TO SCALE

3
104
TYPICAL SILL DETAIL
NOT TO SCALE

- NOTE:**
- EGRESS REQUIREMENTS TO BE REVIEWED BY BUILDING OFFICIAL.
 - SEE CHART ON SHEET 106 FOR GLAZING OPTIONS AND ASD LOAD CAPACITIES.
 - HARDWARE-
 1. SURFACE MOUNT METALLIC CAMLOCKS AT 8" FROM EACH END, FASTENED TO WINDOW FRAME WITH (2) #8 X 1" PH SMS SCREWS.
 2. SURFACE MOUNTED METALLIC SPRING LOADED BALANCE ATTACHED TO WINDOW FRAME WITH #10 X 1" PH SMS SCREWS
 - LOCKS MUST BE ENGAGED DURING PERIODS OF HURRICANE WARNING.



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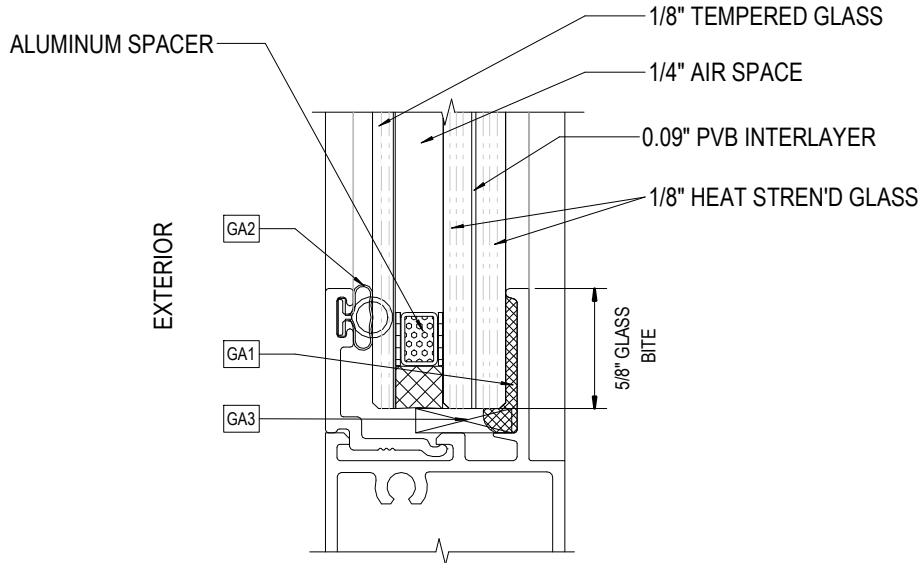


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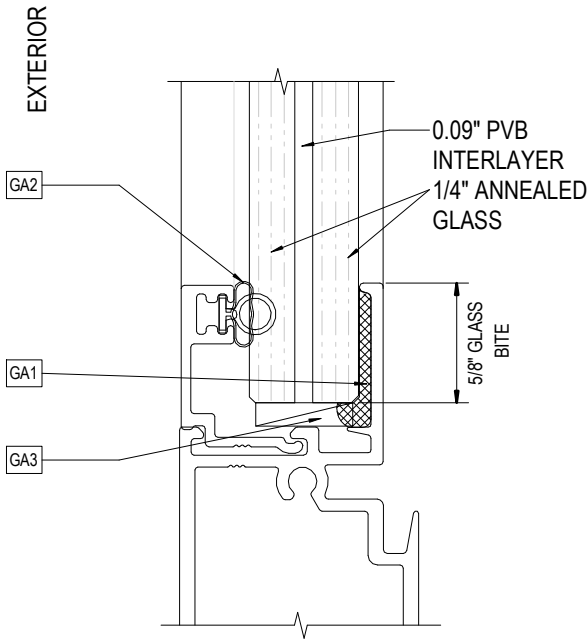
NOTE: SEE SHEET 107 FOR ANCHOR SPACING



GLAZING UNIT PARTS

- GA1- SEALANT- DOW 791 OR SCS 2000
- GA2- BULB GASKET (PART NO. E202)
- GA3- 1/2" X 4" X 1/8 THK. SILICONE SETTING BLOCK @ 1/4 POINTS

1
105
TYPICAL INSULATED GLASS UNIT
NOT TO SCALE



2
105
TYPICAL LAMINATED GLASS UNIT
NOT TO SCALE

LOAD CAPACITY CHART (ASD)					
WINDOW DIMENSIONS		EQ. LITES CONFIGURATION		UNEQ. LITES CONFIGURATION	
WINDOW WIDTH (IN.)	WINDOW HEIGHT (IN.)	GL-1	GL-2	GL-1	GL-2
19 1/8	26 1/2	+ / - 70	+ / - 70	+ / - 70	+ / - 70
26 1/2		+ / - 70	+ / - 70	+ / - 70	+ / - 70
30		+ / - 70	+ / - 70	+ / - 70	+ / - 70
37		+ / - 70	+ / - 70	+ / - 70	+ / - 70
48		+ / - 70	+ / - 70	+ / - 70	+ / - 70
53 1/8	38 3/8	+ / - 70	+ / - 70	+ / - 70	+ / - 70
19 1/8		+ / - 70	+ / - 70	+ / - 70	+ / - 70
26 1/2		+ / - 70	+ / - 70	+ / - 70	+ / - 70
30		+ / - 70	+ / - 70	+ / - 70	+ / - 70
37		+ / - 70	+ / - 70	+ / - 70	+ / - 70
48	50 5/8	+ / - 70	+ / - 70	+ / - 70	+ / - 70
53 1/8		+ / - 70	+ / - 70	+ / - 70	+ / - 70
19 1/8		+ / - 70	+ / - 70	+ / - 70	+ / - 70
26 1/2		+ / - 70	+ / - 70	+ / - 70	+ / - 70
30		+ / - 70	+ / - 70	+ / - 70	+ / - 70
37	63	+ / - 70	+ / - 70	+ / - 70	+ / - 70
48		+ / - 70	+ / - 70	+ / - 70	+ / - 70
53 1/8		+ / - 70	+ / - 70	+ / - 70	+ / - 70
19 1/8		+ / - 70	+ / - 70	+ / - 70	+ / - 70
26 1/2		+ / - 70	+ / - 70	+ / - 70	+ / - 70
30	76	+ / - 70	+ / - 70	+ / - 70	+ / - 70
37		+ / - 70	+ / - 70	+ / - 70	+ / - 70
48		+ / - 70	+ / - 70	+ / - 70	+ / - 70
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19 1/8		+ / - 70	+ / - 70	+ / - 70	+ / - 70

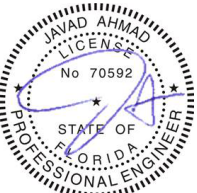


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ECO-NOVO SERIES: 175 SINGLE HUNG WINDOW SYSTEM
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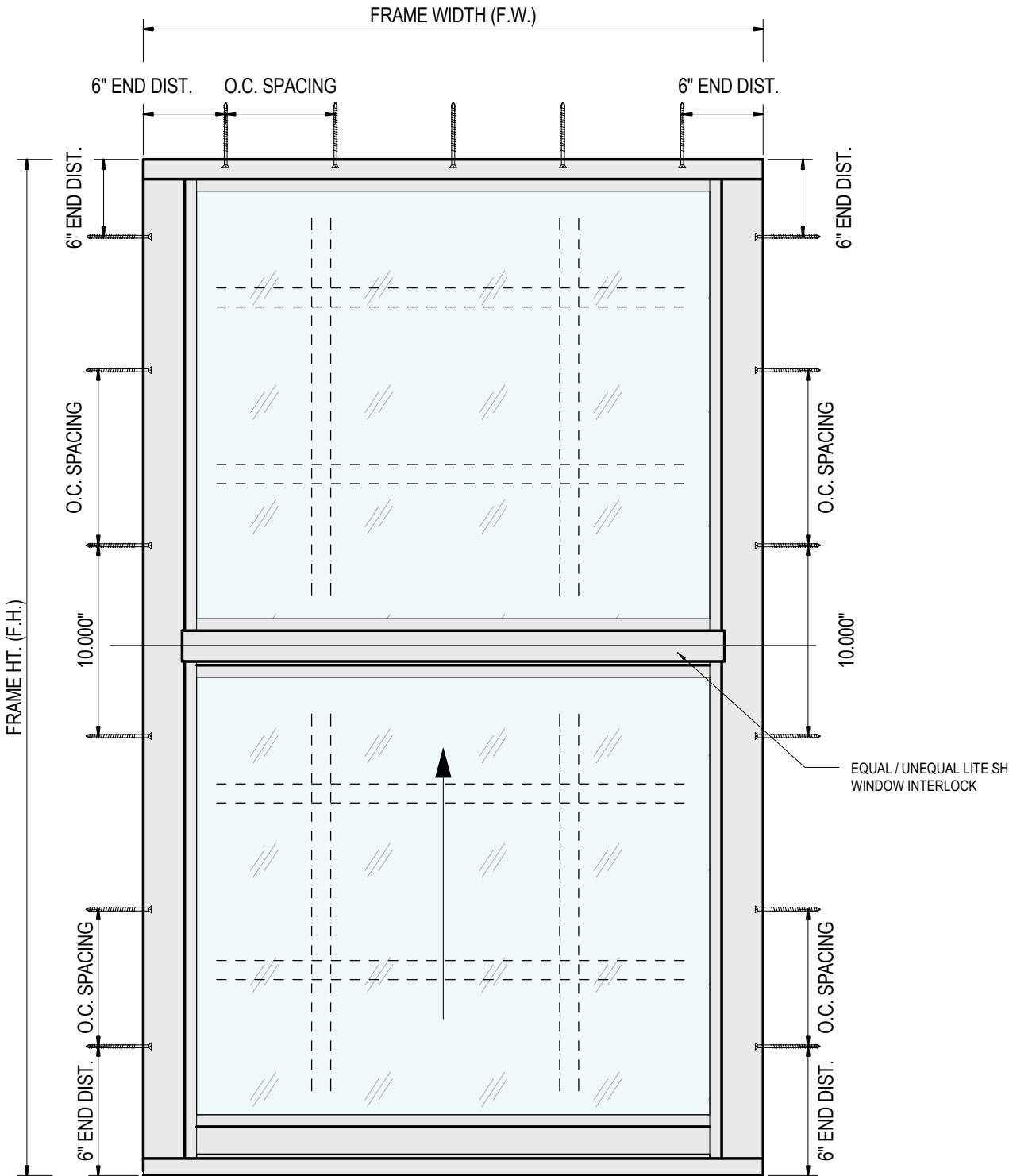


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TYPICAL ANCHOR TYPES

(APPLIES TO ALL ANCHORS GOING THROUGH THE DOOR FRAME):

TYPE A -1/4" DEWALT ULTRACON+ (Fu = 177,000 PSI, Fy = 155,000 PSI)

- INTO 2BY WOOD WITH 2" MIN PENETRATION, AND 1-1/4" MIN EDGE DISTANCE
- THRU 1BY WOOD INTO CONCRETE, OR HOLLOW/GROUT FILLED MASONRY WITH 1-3/4" EMBEDMENT, AND 2-1/2" MIN EDGE DISTANCE, AND 16" O.C. SPACING
- DIRECTLY INTO CONCRETE, OR HOLLOW/GROUT FILLED MASONRY WITH 1-3/4" EMBEDMENT, AND 2-1/2" MIN EDGE DISTANCE AND 16" O.C. SPACING
- THRU 1BY WOOD INTO CONCRETE, OR HOLLOW/GROUT FILLED MASONRY WITH 1-3/4" EMBEDMENT, AND 1" MIN EDGE DISTANCE, AND 10" O.C. SPACING
- DIRECTLY INTO CONCRETE, OR HOLLOW/GROUT FILLED MASONRY WITH 1-3/4" EMBEDMENT, AND 1" MIN EDGE DISTANCE AND 10" O.C. SPACING

TYPE B - #14 SMS OR SELF DRILLING SCREW (GRADE 5 MIN)

- INTO 1/8" MIN. THK. ALUMINUM / STEEL™® WITH (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS, AND 3/4" MIN EDGE DISTANCE AND 16" O.C. SPACING
- INTO APPROVED MULLIONS MIN. 1/8" THK. WITH (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS, AND 3/4" MIN EDGE DISTANCE AND 16" O.C. SPACING

ANCHOR / SUBSTRATE NOTES:

- WOOD AT HEAD OR JAMBS IS SOUTHERN YELLOW PINE #2 (SG=0.55 MIN.)
- CONCRETE AT HEAD OR JAMBS f'c= 3000 PSI
- C-90 HOLLOW/GROUT FILLED MASONRY UNITS AT JAMBS f'm= 2000 PSI
- STEEL (1/8" THK., A36 MIN) AT HEAD OR JAMBS
- ALUMINUM (1/8" THK., 6063-T6 MIN) AT HEAD OR JAMBS
- STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED

NOTE:

THE WOOD BUCKS, CONCRETE AND METAL STRUCTURE SHOWN ON THIS SHEET SHALL BE DESIGNED BY OTHERS AND ARE NOT PART OF THIS APPROVAL. THEY MUST BE CAPABLE OF WITHSTANDING THE LOADS IMPOSED BY THE GLAZING SYSTEM AND TRANSFERRING THEM TO THE BUILDING STRUCTURE.

SEALANTS:

ALL JOINTS AND FRAME CONNECTIONS SHALL BE SEALED WITH ALUMINUM COLOR SEALANT.

ANCHORAGE DETAILS

SEE ANCHORAGE DETAILS SHOWN ON SHEET 103, 104 AND 107 FOR APPLICABLE SUBSTRATE.

drawing no.	date:	JA-2042-24	drawn by:	BS	12-19-24	check by:	SA	REVISION		
								No.	DATE	DESCRIPTION

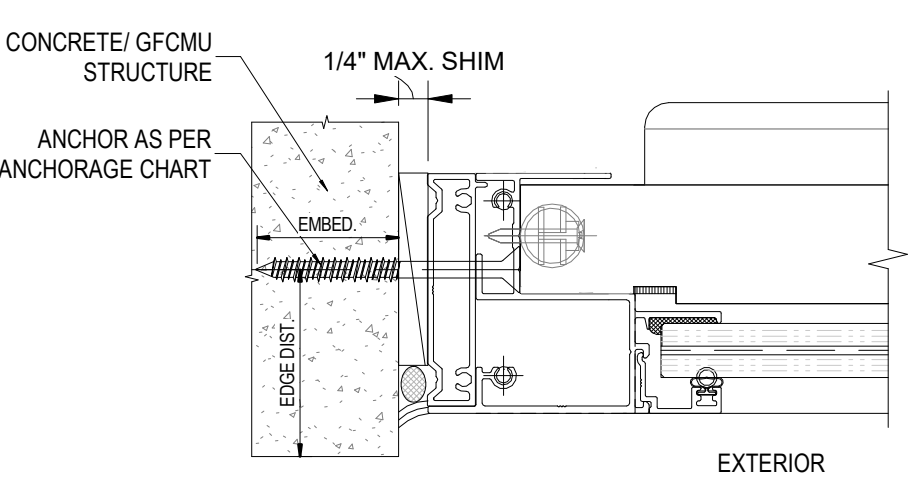
ECO-NOVO SERIES: 175 SINGLE HUNG
WINDOW SYSTEM
(LARGE AND SMALL MISSILE IMPACT RATED)



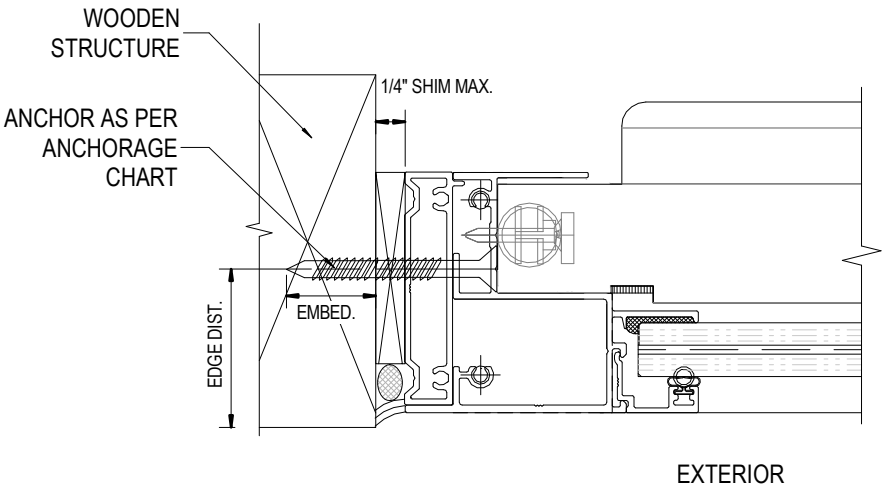
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5800 N.W. 80th ST. MEDLEY, FL 33166
TEL: (305) 885-5299 FAX: (305) 885-5902



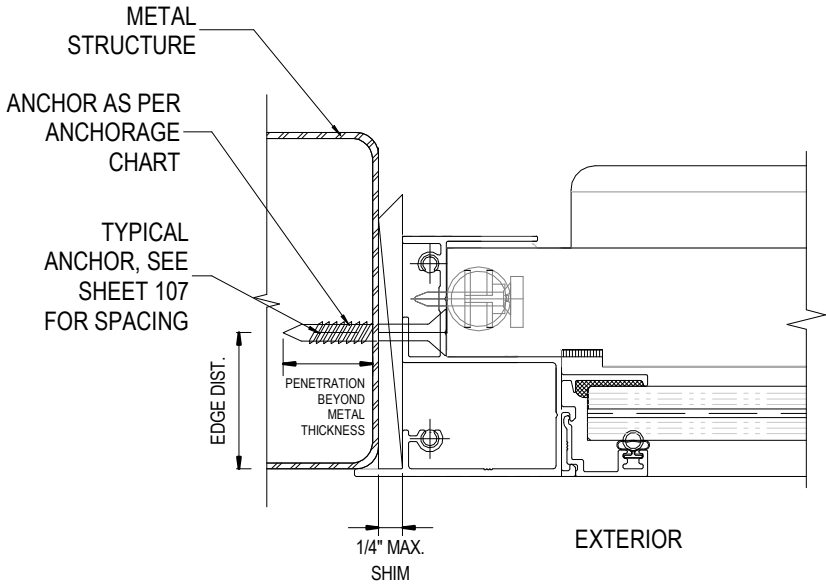
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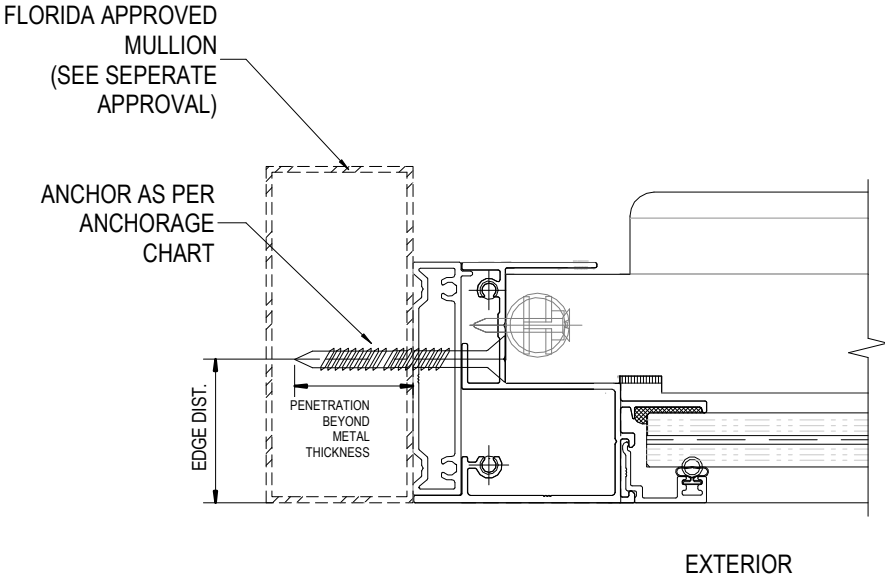
1
107 ANCHORAGE DIRECTLY INTO CONCRETE- WITH FLUSH ADAPTER
NOT TO SCALE



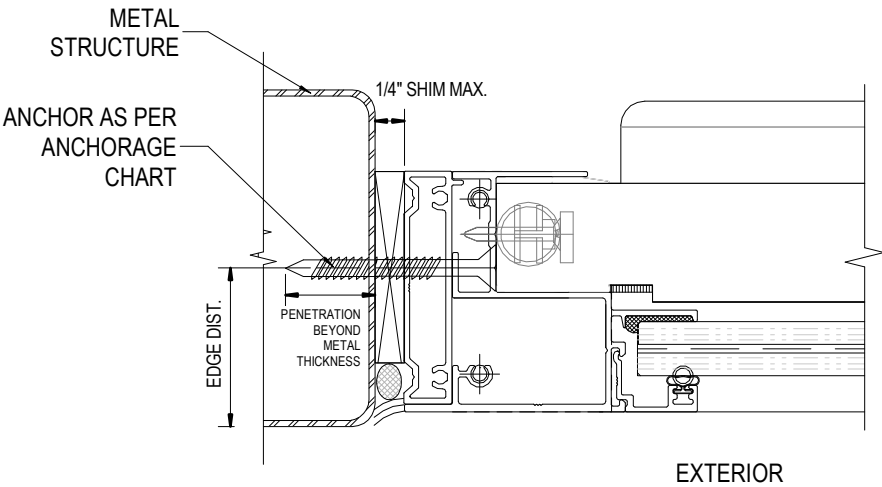
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107 ANCHORAGE INTO WOODEN STRUCTURE-WITH FLUSH ADAPTER
NOT TO SCALE



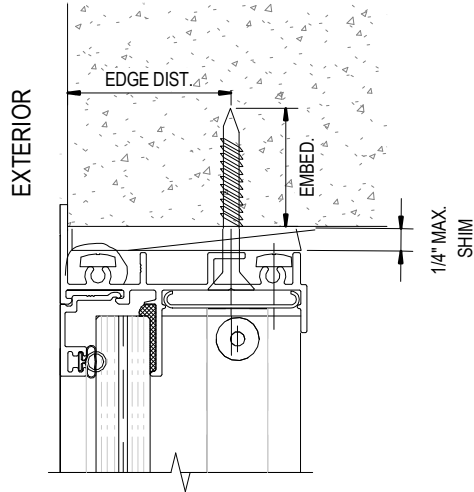
5
107 ANCHORAGE INTO METAL STRUCTURE
NOT TO SCALE



3
107 ANCHORAGE INTO APPROVED MULLION- WITH FLUSH ADAPTER
NOT TO SCALE



4
107 ANCHORAGE INTO METAL STRUCTURE-WITH FLUSH ADAPTER
NOT TO SCALE



6
107 HEADER ANCHORAGE DIRECTLY INTO CONCRETE
NOT TO SCALE

- NOTE:
- FOR MORE ANCHORAGE DETAILS, SEE SECTIONAL DETAILS SHOWN ON SHEET 103 AND 104.
 - THE MIN. ANCHOR EMBEDMENT, SPACING, EDGE DISTANE AND SUBSTRATE SHALL BE AS PER SHEET 106



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JA-2042-24	12-19-24		

ECO-NOVO SERIES: 175 SINGLE HUNG
WINDOW SYSTEM
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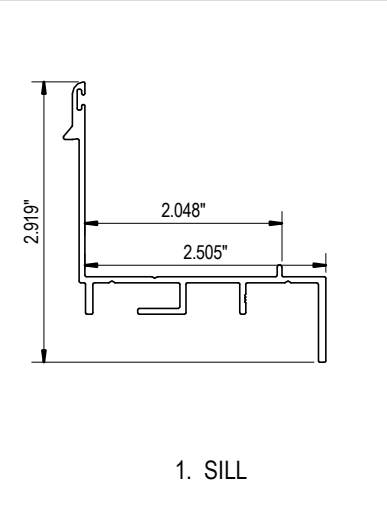


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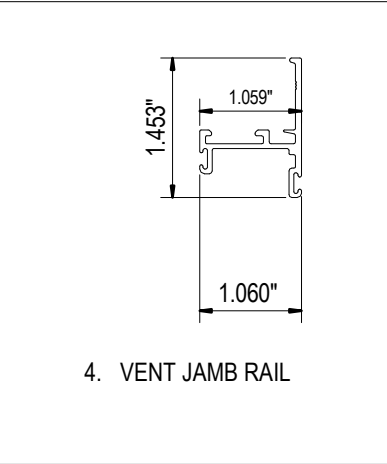
PARTS LIST



1.453"

1.059"

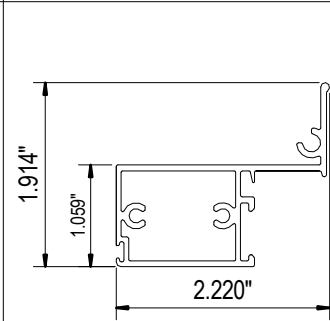
1.060"



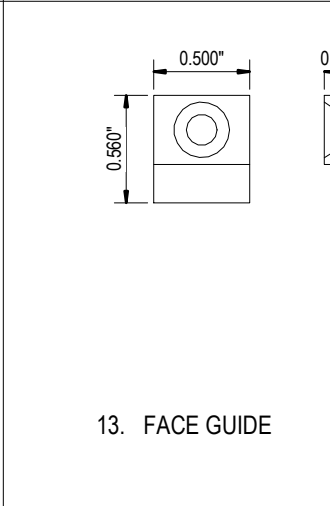
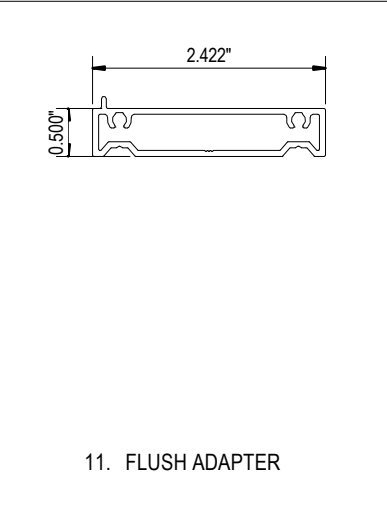
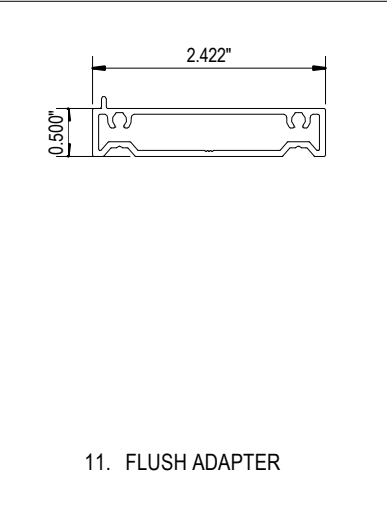
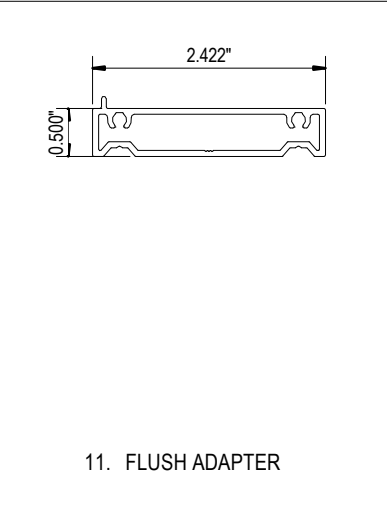
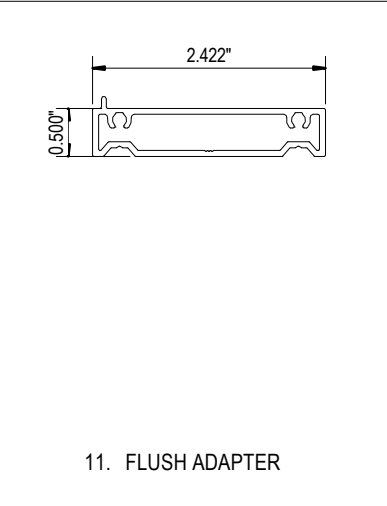
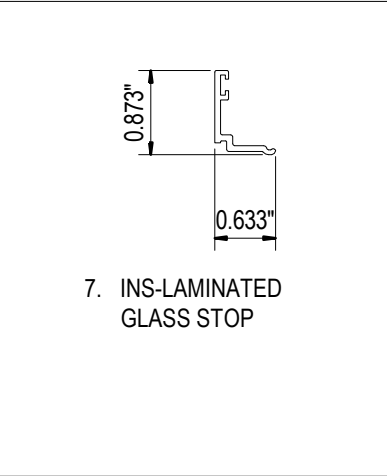
1.453"

1.059"

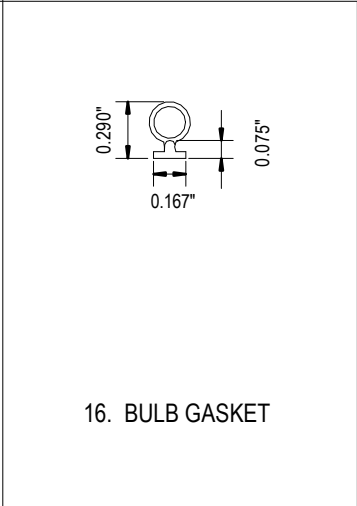
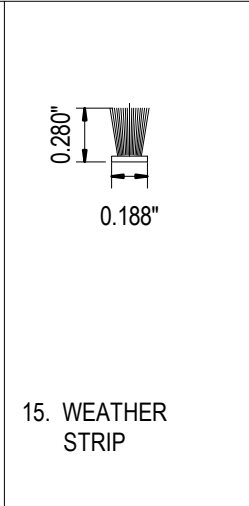
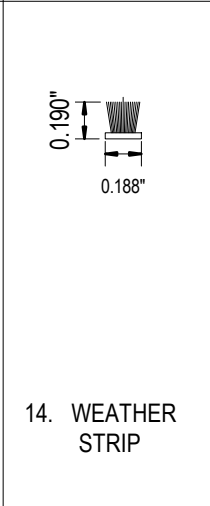
1.060"



6. VENT BOTTOM RAIL



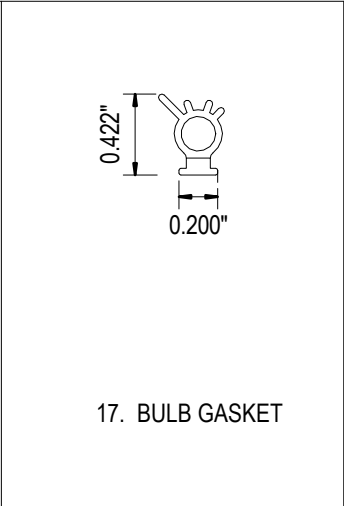
Technical drawing of a square face guide. The drawing shows a square with a circular feature in the center. The dimensions are 0.560 inch (height) and 0.500 inch (width).



0.290"

0.075"

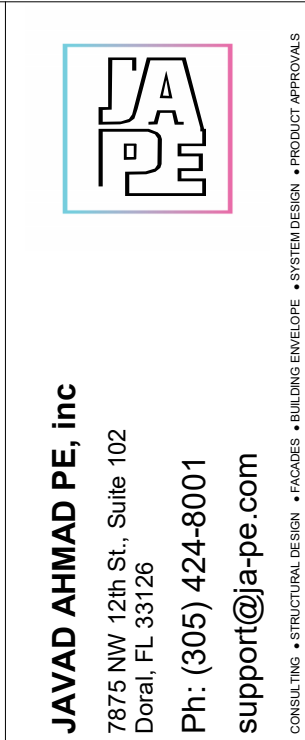
0.167"



BILL OF MATERIAL **FL# 47213**

BILL OF MATERIAL **FL# 47213**

ITEM#	PART#	REQD.	LENGTH	DESCRIPTION	MATERIAL
1	E171	1	AS REQD.	SILL	ALLOY 6063-T6
2	E272	1	AS REQD.	JAMB (SH)	ALLOY 6063-T6
3	E273	1	AS REQD.	MEETING RAIL	ALLOY 6063-T6
4	E274	1	AS REQD.	VENT JAMB RAIL	ALLOY 6063-T6
5	E172	1	AS REQD.	VENT TOP RAIL	ALLOY 6063-T6
6	E276	1	AS REQD.	VENT BOTTOM RAIL	ALLOY 6063-T6
7	E278	1	AS REQD.	INS-LAMINATED GLASS STOP	ALLOY 6063-T6
8	E279	1	AS REQD.	LAMINATED GLASS STOP	ALLOY 6063-T6
9	E371	1	AS REQD.	FRAME HEAD	CELCON,BRASS WHEELS,STAINLESS STEEL SHAFT
10	E281	1	AS REQD.	SASH STOP	ALLOY 6063-T6
11	E372	AS REQD.	AS REQD.	FLUSH ADAPTER	ALLOY 6063-T6
12	A274	AS REQD.	AS REQD.	SWEEP LOCK	DIE CAST
13	A275	AS REQD.	AS REQD.	FACE GUIDE	NYLON
14	A281	AS REQD.	AS REQD.	WEATHER STRIP	WOVEN PILE+ POLYP.BACKING
15	A282	AS REQD.	AS REQD.	WEATHER STRIP	WOVEN PILE+ POLYP.BACKING
16	A283	AS REQD.	AS REQD.	BULB GASKET	TPE & POLYPROPYLENE
17	A284	AS REQD.	AS REQD.	BULB GASKET	TPE & POLYPROPYLENE



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date:	12-19-24	check by:	SA
REVISION			
No.	DATE	BY	DESCRIPTION

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No.	DATE	BY	DESCRIPTION

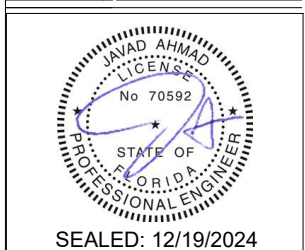
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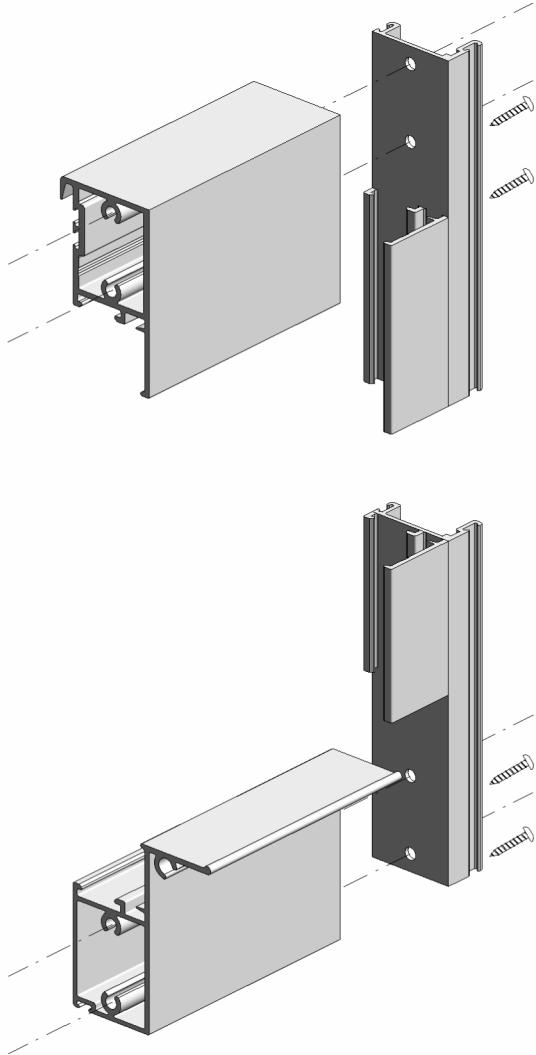
**ECO-NOVO SERIES: 175 SINGLE HUNG
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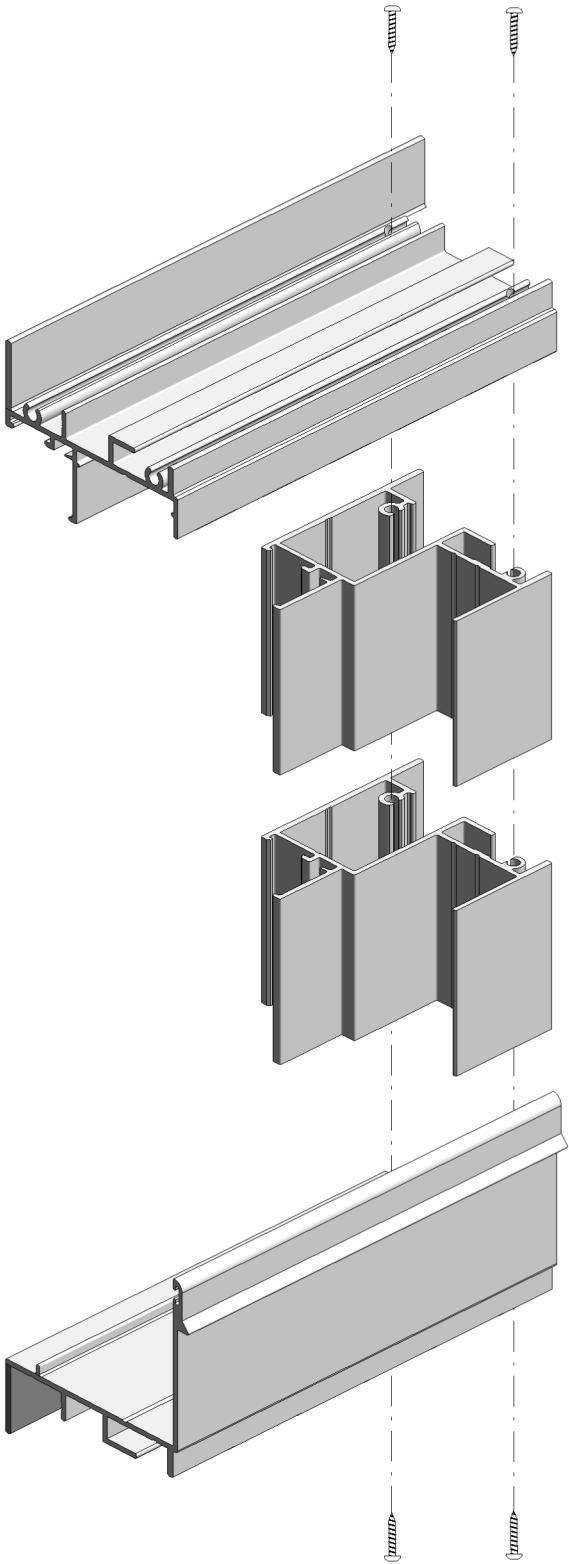
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108	108 OF 109
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108	108 OF 109
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VENT CORNER ASSEMBLY



FRAME CORNERS ASSEMBLY



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