

Product Approval Code Specifications

As required by Florida Statute 553.842 and Florida Administrative Code 8B-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 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 ***Paper form not required if online submittal for roofs ONLY**

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1.Exterior Doors			
A. Swinging			
B. Sliding			
C. Sectional/Roll Up			
D. Other			
2. Windows			
A. Single/Double Hung			
B. Horizontal Slider	Andersen Corporation	Glider Window (Non-HVHZ) (Non-Impact)	FL19563.1
C. Casement			
D. Fixed			
E. Mullion			
F. Skylights			
G. Other			
3. Panel Walls			
A. Siding			
B. Soffits			
C. Storefronts			
D. Glass Block			
E. Other			
4. Roofing Products			
A. Asphalt Shingles			
B. Non-Struct Metal			
C. Roofing Tiles			
D. Single Ply Roof			
E. Other			
5. Struct Componenets			
A. Wood Connectors			
B. Wood Anchors			
C. Truss Plates			
D. Insulation Forms			
E. Lintels			
F. Others			
6. New Exterior			
A. Envelope Products			



Product Approval
USER: Public User

[Product Approval Menu](#) > **Application Detail**

► OFFICE OF THE
SECRETARY

FL #

Application Type

Code Version

Application Status

Comments

Archived

Product Manufacturer

Address/Phone/Email

Authorized Signature

Technical Representative

Address/Phone/Email

Quality Assurance Representative

Address/Phone/Email

Category

Subcategory

Compliance Method

Florida Engineer or Architect Name who developed the
Evaluation Report

Florida License

Quality Assurance Entity

Quality Assurance Contract Expiration Date

Validated By

Certificate of Independence

Referenced Standard and Year (of Standard)

Equivalence of Product Standards
Certified By

Sections from the Code

FL19563-R7

Revision

2023

Approved

Andersen Corporation

100 Fourth Avenue North

Bayport, MN 55003

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Windows

Horizontal Slider

Evaluation Report from a Florida Registered Architect or a Licensed Florida
Professional Engineer

☐ Evaluation Report - Hardcopy Received

Hermes F. Norero, P.E.

PE-73778

Window and Door Manufacturers Association-QA

12/16/2030

Zachary R. Priest, P.E.

☒ Validation Checklist - Hardcopy Received

[FL19563_R7_COI_COI Andersen Corporation SS 2024-04-30.pdf](#)

Standard

AAMA/WDMA/CSA 101/I.S.2/A440

AAMA/WDMA/CSA 101/I.S.2/A440

AAMA/WDMA/CSA 101/I.S.2/A440

ASTM E1886

ASTM E1996

TAS 201

TAS 202

TAS 203

Year

2008

2011

2017

2019

2020

1994

1994

1994

Product Approval Method

Method 1 Option D

Date Submitted

08/27/2024

Date Validated

08/29/2024

Date Pending FBC Approval

08/31/2024

Date Approved

10/15/2024

Summary of Products

FL #	Model, Number or Name	Description
19563.1	Renewal by Andersen Glider Window (Non-HVHZ) (Non-Impact)	Renewal by Andersen Glider Window (Non-HVHZ) (Non-Impact)
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See Installation Details and Evaluation Report for allowable design pressures, sizes, configurations, installation requirements and limits of use.		Installation Instructions FL19563 R7 II AWD243 SS 2018-12-17.pdf Verified By: Hermes F. Norero, P.E. FL PE No. 73778 Created by Independent Third Party: Yes Evaluation Reports FL19563 R7 AE PER5898 SS 2018-12-16.pdf Created by Independent Third Party: Yes
19563.2	Renewal by Andersen Glider Windows (HVHZ) (Impact)	Renewal by Andersen Glider Windows (HVHZ) (Impact)
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +60/-70 Other: See Installation Details and Evaluation Report for allowable sizes, configurations, installation requirements and limits of use.		Installation Instructions FL19563 R7 II AWD322 SS 2024-08-26.pdf Verified By: Hermes F. Norero, P.E. Florida P.E. 73778 Created by Independent Third Party: Yes Evaluation Reports FL19563 R7 AE PER9394 SS 2024-08-26.pdf Created by Independent Third Party: Yes

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Next

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Product Approval Accepts:



ANDERSEN CORPORATION

RENEWAL BY ANDERSEN SERIES GLIDER WINDOW (NON-IMPACT) (NON-HVHZ)

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), EXCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/I.S.2/A440-08/11
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/4 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT IN NON-HVHZ AREAS.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: FIBREX & PVC
- IN ACCORDANCE WITH THE CURRENT EDITION FBC, WOOD COMPONENTS SHALL HAVE BEEN PRESERVATIVE TREATED OR SHALL BE OF A DURABLE SPECIES AS DEFINED IN CHAPTER 23.
- GLASS SHALL MEET THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.

DESIGN PRESSURE RATING			
SIZE	CONFIGURATION	DESIGN PRESSURE	SASH WIDTH RATIO
72" X 80"	XO	+40.0 / -40.0 PSF	1:1
96" X 54"	XO	+40.0 / -40.0 PSF	1:1
96" X 72"	XO	+40.0 / -40.0 PSF	1:1
108" X 54"	XO	+25.0 / -25.0 PSF	1:2
108" X 72"	XO	+20.0 / -20.0 PSF	1:2
56" X 80"	XO	+40.0 / -40.0 PSF	1:2
74" X 54"	XO	+40.0 / -40.0 PSF	1:2
74" X 72"	XO	+35.0 / -35.0 PSF	1:2
48" X 48"	XX	+40.0 / -40.0 PSF	1:1
72" X 80"	XX	+30.0 / -30.0 PSF	1:1
96" X 54"	XX	+35.0 / -35.0 PSF	1:1
96" X 60"	XX	+35.0 / -35.0 PSF	1:1
96" X 72"	XX	+20.0 / -20.0 PSF	1:1
144" X 54"	XOX	+30.0 / -30.0 PSF	1:1:1
144" X 72"	XOX	+25.0 / -25.0 PSF	1:1:1
84" X 60"	XOX	+40.0 / -40.0 PSF	1:1:1
84" X 80"	XOX	+35.0 / -35.0 PSF	1:1:1
144" X 54"	XOX	+30.0 / -30.0 PSF	1:2:1
144" X 72"	XOX	+25.0 / -25.0 PSF	1:2:1
84" X 60"	XOX	+40.0 / -40.0 PSF	1:2:1
84" X 80"	XOX	+35.0 / -35.0 PSF	1:2:1

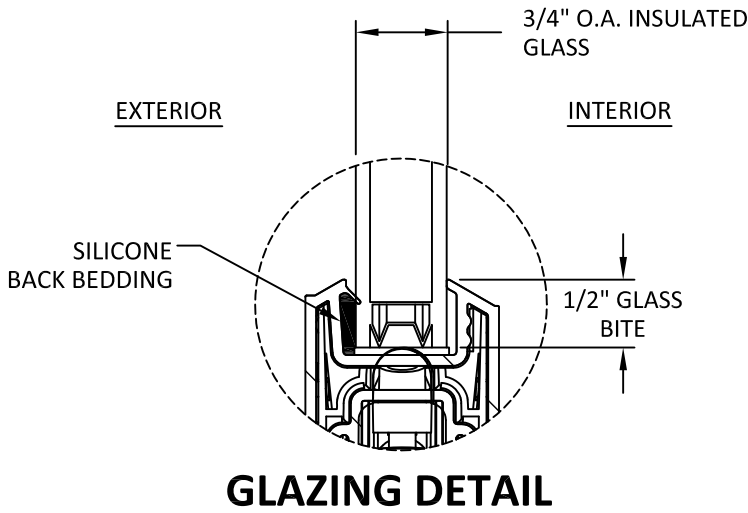
DESIGN PRESSURE UPGRADE RATING			
SIZE	CONFIGURATION	DESIGN PRESSURE	SASH WIDTH RATIO
56" X 48"	XO	+61.0 / -79.0 PSF	1:1
40" X 40"	XO	+81.0 / -100.0 PSF	1:1
88" X 64"	XO	+42.0 / -43.0 PSF	1:1
74" X 72"	XO	+50.0 / -50.0 PSF	1:1
74" X 64"	XO	+50.0 / -65.0 PSF	1:1
108" X 72"	XOX	+26.0 / -26.0 PSF	1:1:1 & 1:2:1
120" X 64"	XOX	+28.0 / -28.0 PSF	1:1:1 & 1:2:1
56" X 48"	XOX	+61.0 / -79.0 PSF	1:1:1 & 1:2:1
74" X 64"	XOX	+50.0 / -65.0 PSF	1:1:1 & 1:2:1
108" X 64"	XOX	+40.0 / -40.0 PSF	1:1:1 & 1:2:1

*SEE FRAME DESCRIPTIONS ON SHEET 6 & 8

NOTES:

- DP UPGRADE PRODUCT POSITIVE RATING IS DRIVEN BY STRUCTURAL ONLY. WATER IS NOT INCLUDED.
- DP UPGRADE PRODUCT MUST BE INSTALLED THROUGH FRAME ONLY, EXCEPT ON SILL WHERE JAMB CLIPS MUST BE USED.

TABLE OF CONTENTS		
SHEET	REVISION	SHEET DESCRIPTION
1	-	GENERAL NOTES & GLAZING DETAIL
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3	-	ELEVATIONS
4	-	ANCHOR LAYOUTS
5	-	ANCHOR LAYOUTS
6	-	VERTICAL SECTIONS
7	-	HORIZONTAL SECTIONS
8	-	ANCHOR DETAILS
9	-	INSTALLATION NOTES & ANCHOR SCHEDULE



GLAZING NOTES:

- GLASS TYPE & THICKNESS SHALL COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
- SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
- SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
- D.I.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN DESIGN PRESSURE TABLES ON SHEET 1.



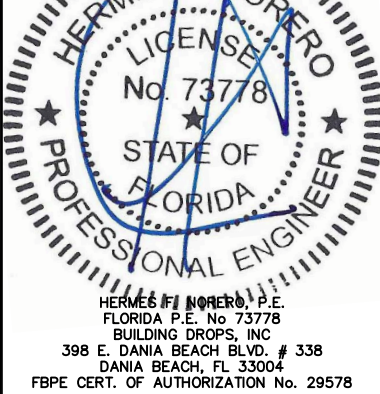
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: RENEWAL SERIES GLIDING WINDOW (NON-IMPACT) (NON-HVHZ)
GENERAL NOTES & GLAZING DETAIL
PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.

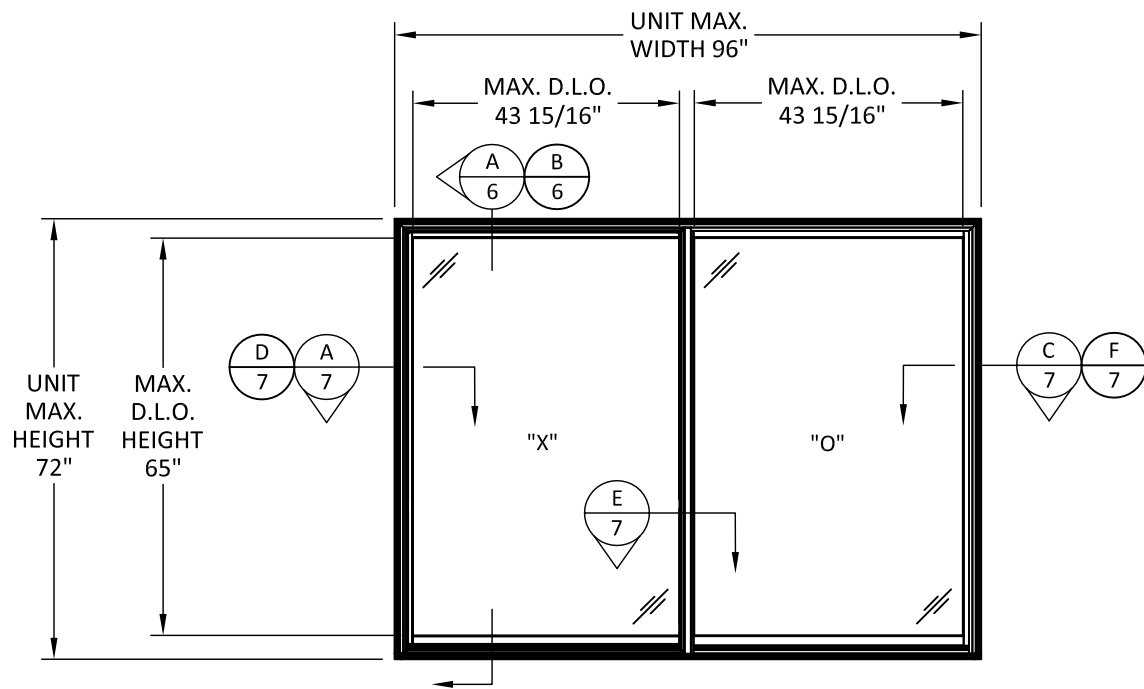
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Reason: I am approving this document
Date: 2018.12.17 15:52:37 -0500



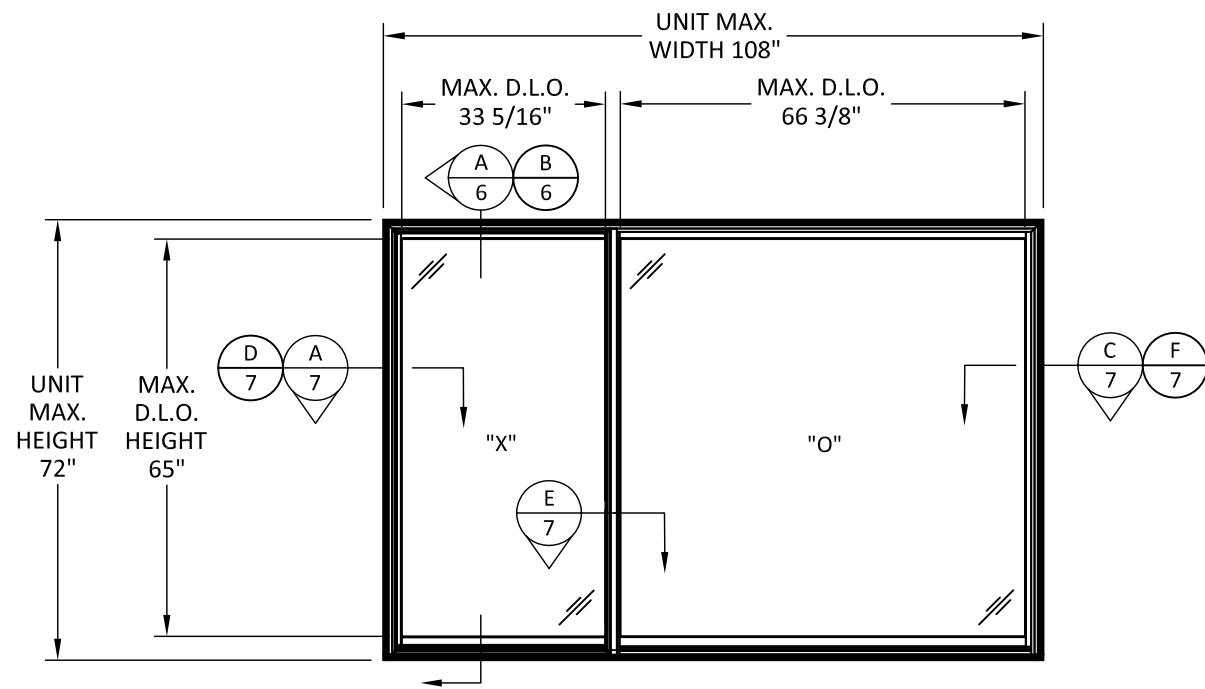
FL #:
FL19563
DATE: **11.07.18**
DWG. BY: **RV** CHK. BY: **HFN**
SCALE: **NTS**
DWG. #: **AWD243**
SHEET:
1

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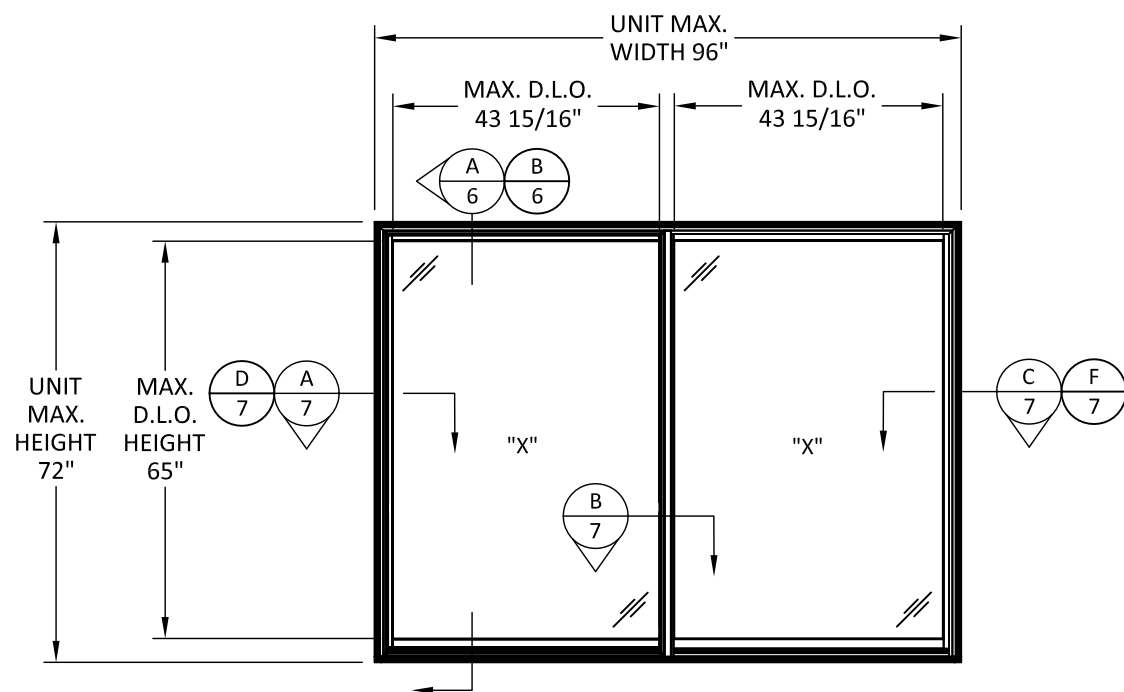


ELEVATION
96" X 72" XO UNIT
1:1 SASH RATIO

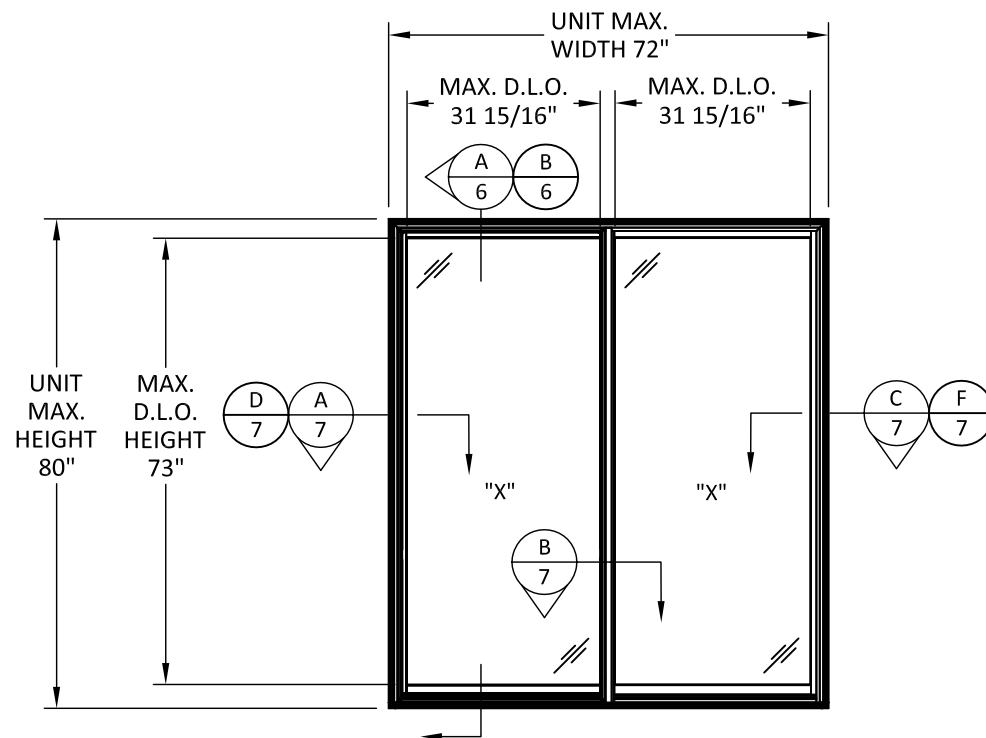


ELEVATION
108" X 72" XO UNIT
1:2 SASH RATIO

NOTE:
ALTERNATE MEETING STILE LOCATIONS
MAY BE USED SUCH THAT MAX. DLO
DIMENSIONS SHOWN HEREIN ARE NOT
EXCEEDED. UNEQUAL SASH RATIO NOT
AVAILABLE FOR ACTIVE/ACTIVE (XX) UNITS.



ELEVATION
96" X 72" XX UNIT
1:1 SASH RATIO



ELEVATION
72" X 80" XX UNIT
1:1 SASH RATIO



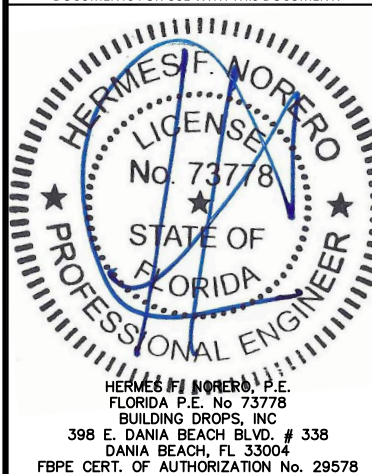
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: RENEWAL SERIES GLIDING WINDOW (NON-IMPACT) (NON-HVHZ) ELEVATIONS

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE

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FL #: **FL19563**

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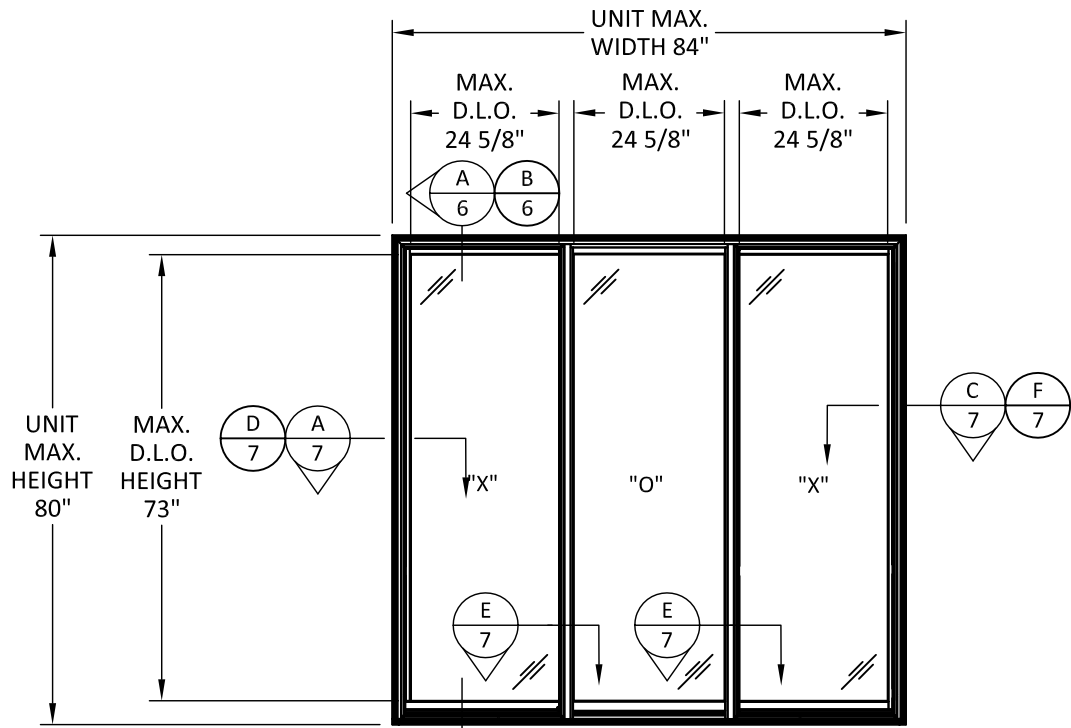
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SCALE: **NTS**

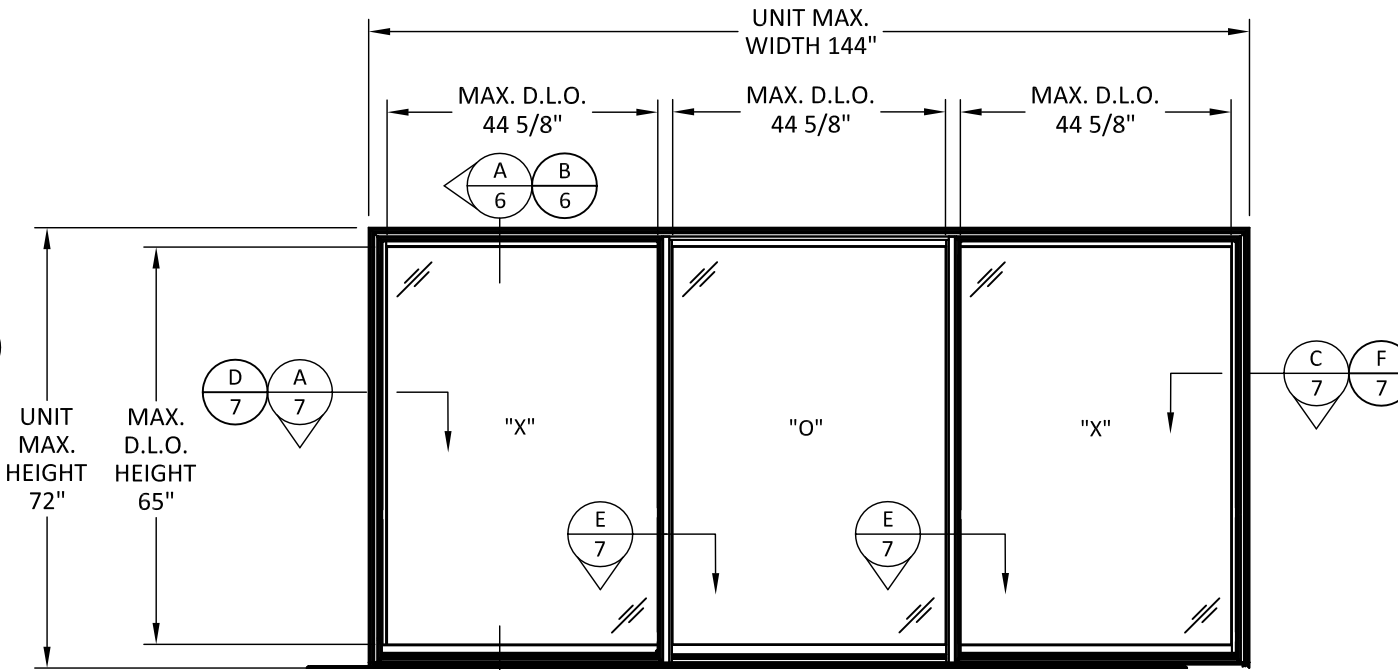
DWG. #: **AWD243**

SHEET:

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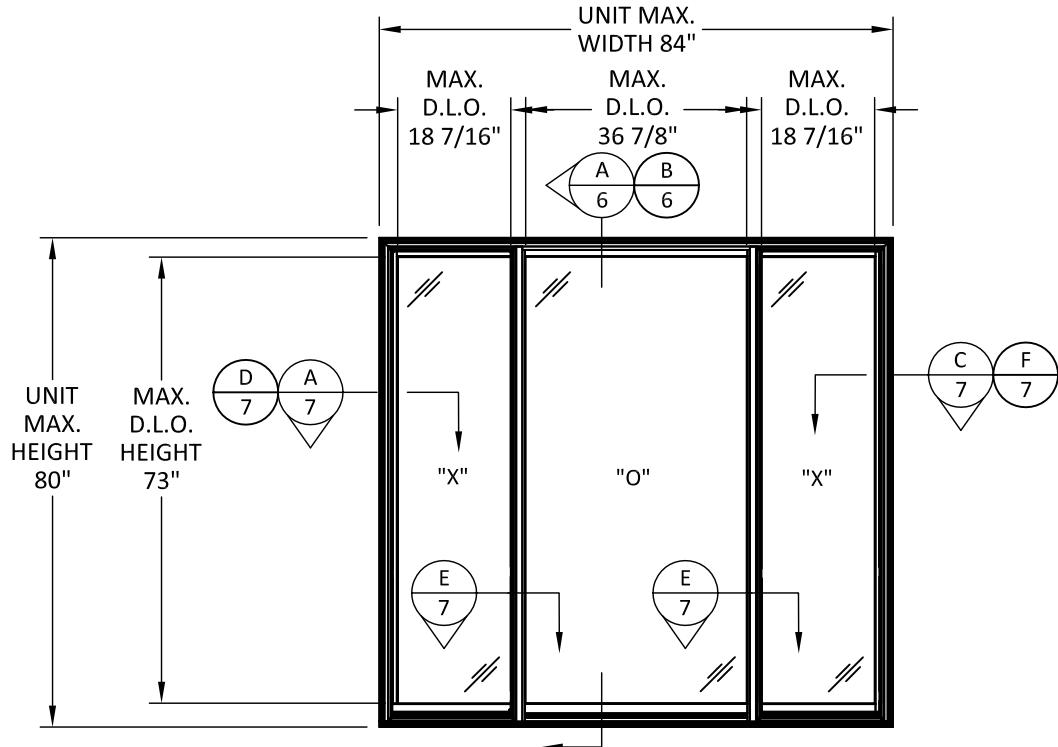


ELEVATION
84" X 80" XOX UNIT
1:1:1 SASH RATIO

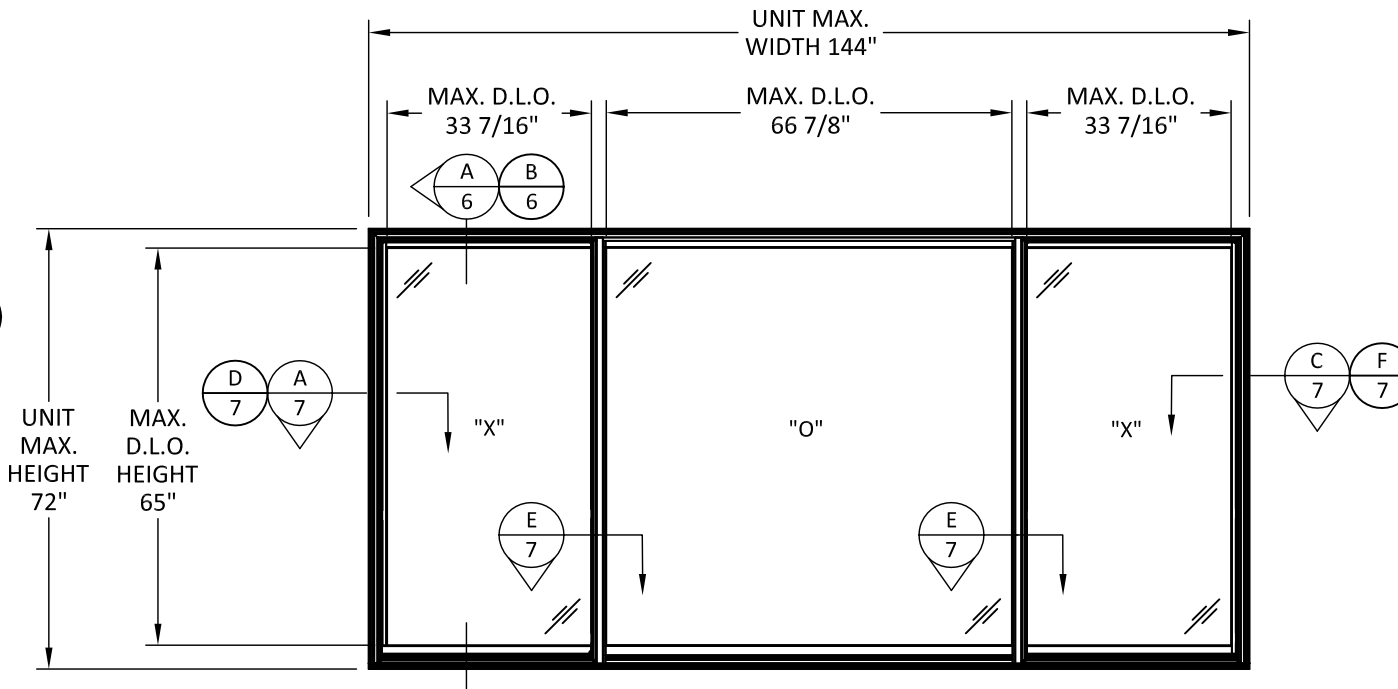


ELEVATION
144" X 72" XOX UNIT
1:1:1 SASH RATIO

NOTE:
ALTERNATE MEETING STILE
LOCATIONS MAY BE USED SUCH
THAT MAX. DLO DIMENSIONS
SHOWN HEREIN ARE NOT
EXCEEDED.



ELEVATION
84" X 80" XOX UNIT
1:2:1 SASH RATIO



ELEVATION
144" X 72" XOX UNIT
1:2:1 SASH RATIO



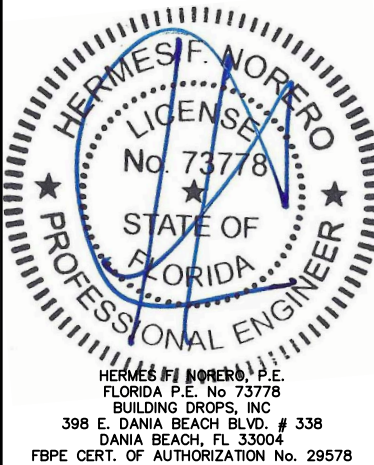
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
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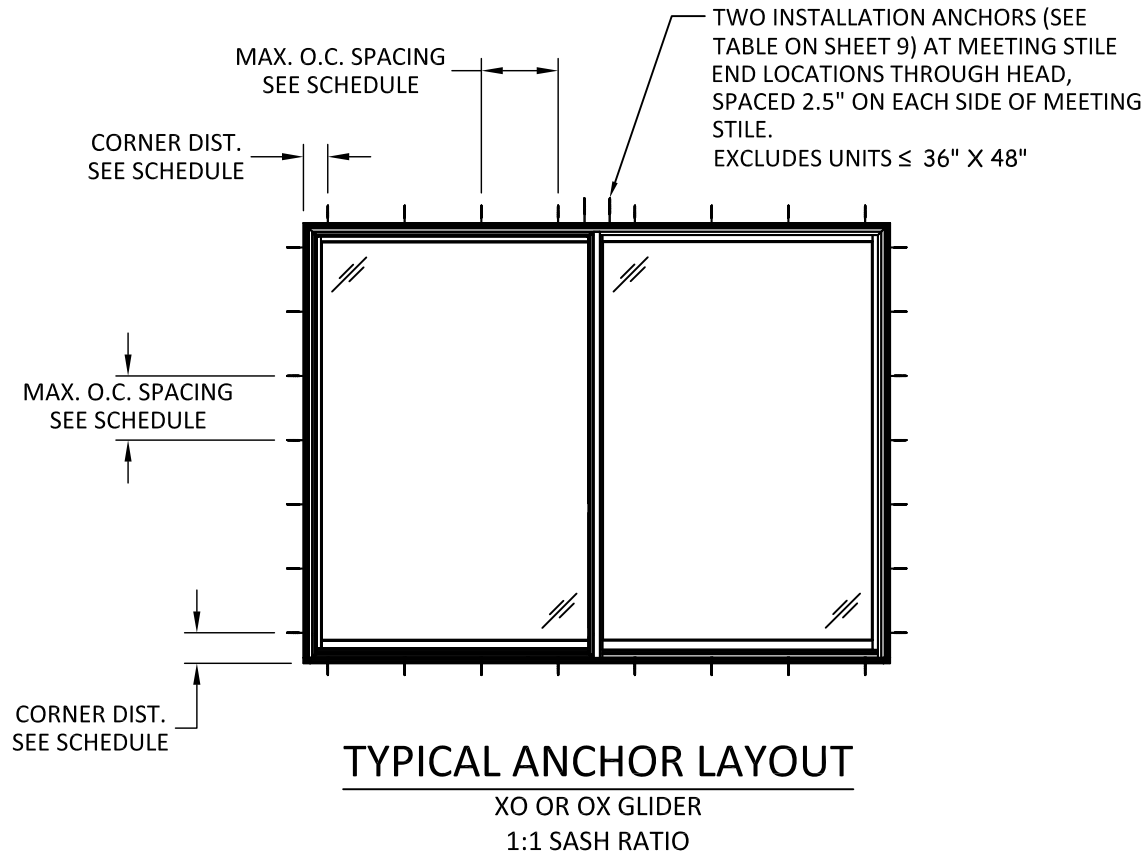
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DWG. #: **AWD243**

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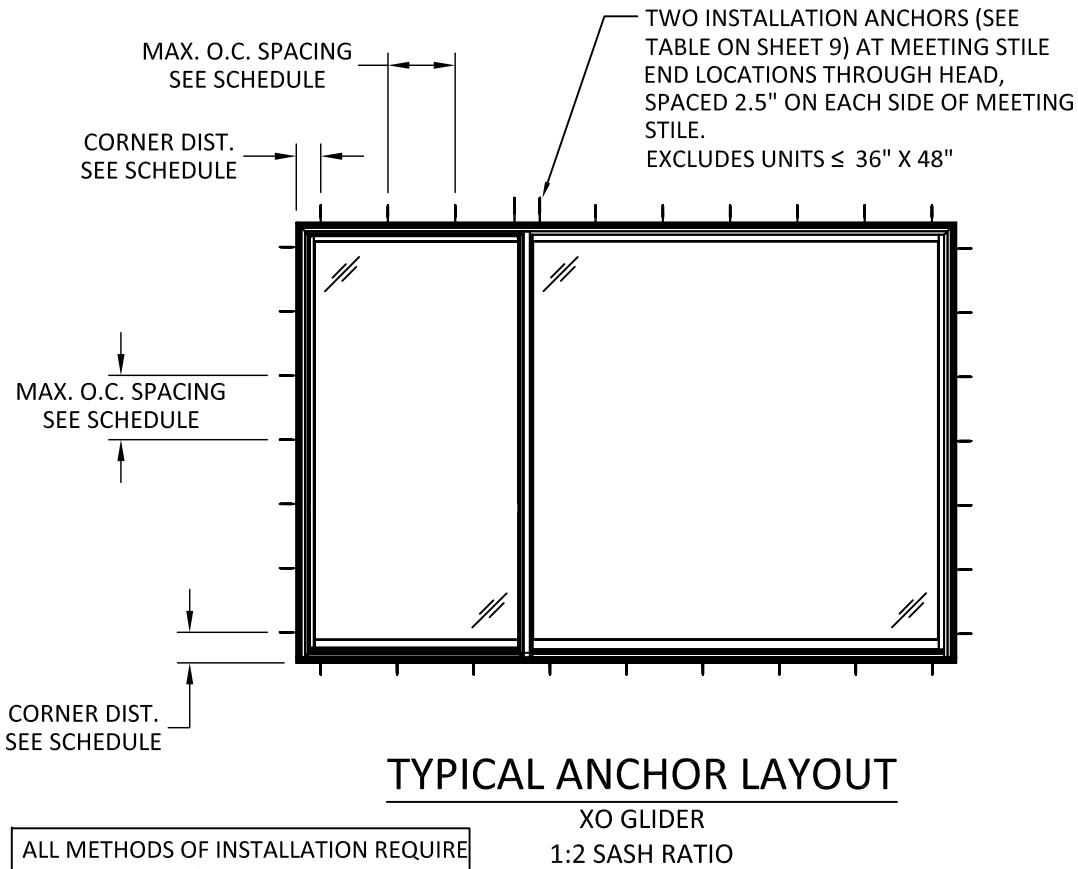
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RENEWAL SERIES GLIDER ANCHOR SPACING					
CONFIG.	INSTALLATION METHOD	FROM CORNERS (IN)	MAX O.C. HEAD (IN)	MAX O.C. SILL (IN)	MAX O.C. JAMBS (IN)
"XO" OR "XX" GLIDER 1:1 SASH RATIO	NAIL FIN	3.5	3.5	3.5	3.5
	INSTALLATION CLIP	5.5	15.25	15.25	16
	THROUGH FRAME	5.5	10.125	SEE NOTES	15.25
"XO" OR "XX" GLIDER 1:2 SASH RATIO	NAIL FIN	3.5	3.5	3.5	3.5
	INSTALLATION CLIP	5.5	15	15	16
	THROUGH FRAME	5.5	11.25	SEE NOTES	17.25

INSTALLATION NOTES:

- FOR THROUGH FRAME INSTALLATIONS, INSTALLATION CLIPS MUST BE USED AT THE SILL IN LIEU OF FASTENERS THROUGH FRAME, SPACED IN ACCORDANCE WITH THE INSTALLATION CLIP SPACING REQUIREMENTS LISTED IN THE ABOVE TABLE.
- FOR CUSTOM SASH RATIOS, USE WORST CASE ANCHOR SPACING BETWEEN EQUAL SASH AND 1:2 OR 1:2:1 SASH RATIOS FROM TABLE ABOVE.
- REFER TO SHEET 1, SEE TABLE ON SHEET 9 FOR ANCHOR TYPE DEPENDENT ON INSTALLATION METHOD AND SUBSTRATE.



ALL METHODS OF INSTALLATION REQUIRE A CONTINUOUS 1/2" BEAD OF SILICONE BELOW THE SILL

RENEWAL SERIES DP UPGRADE GLIDER ANCHOR SPACING					
CONFIG. & SIZE	INSTALLATION METHOD	FROM CORNERS (IN)	MAX O.C. HEAD (IN)	MAX O.C. SILL (IN)	MAX O.C. JAMBS (IN)
XO & OX GLIDER 40" X 40"	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	9	9	9
XO & OX GLIDER 56" X 48"	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	9	9	9
XO & OX GLIDER 74" X 64"	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	9	9	9
XO & OX GLIDER 74" X 72"	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	12.5	12.5	12.5
XO & OX GLIDER 88" X 64"	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	15.25	15.25	15.25

INSTALLATION NOTES:

- DP UPGRADE PRODUCTS WHEN ANCHORING WITH 3/16" ITW TAPCON FASTENERS THE JAMB SHIM MUST BE USED BETWEEN THE FRAME AND THE 1/4" SHIM STACK. JAMB SHIM NOT REQUIRED WHEN USING JAMB CLIP FOR SILL FASTENING.



100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: RENEWAL SERIES GLIDING WINDOW (NON-IMPACT) (NON-HVHZ)

ANCHOR LAYOUTS

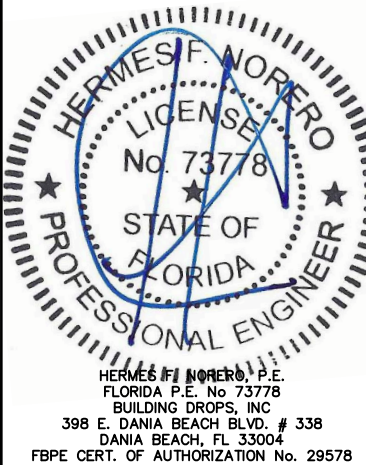
PREPARED BY: BUILDING DROPS, INC.

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REMARKS	BY	DATE

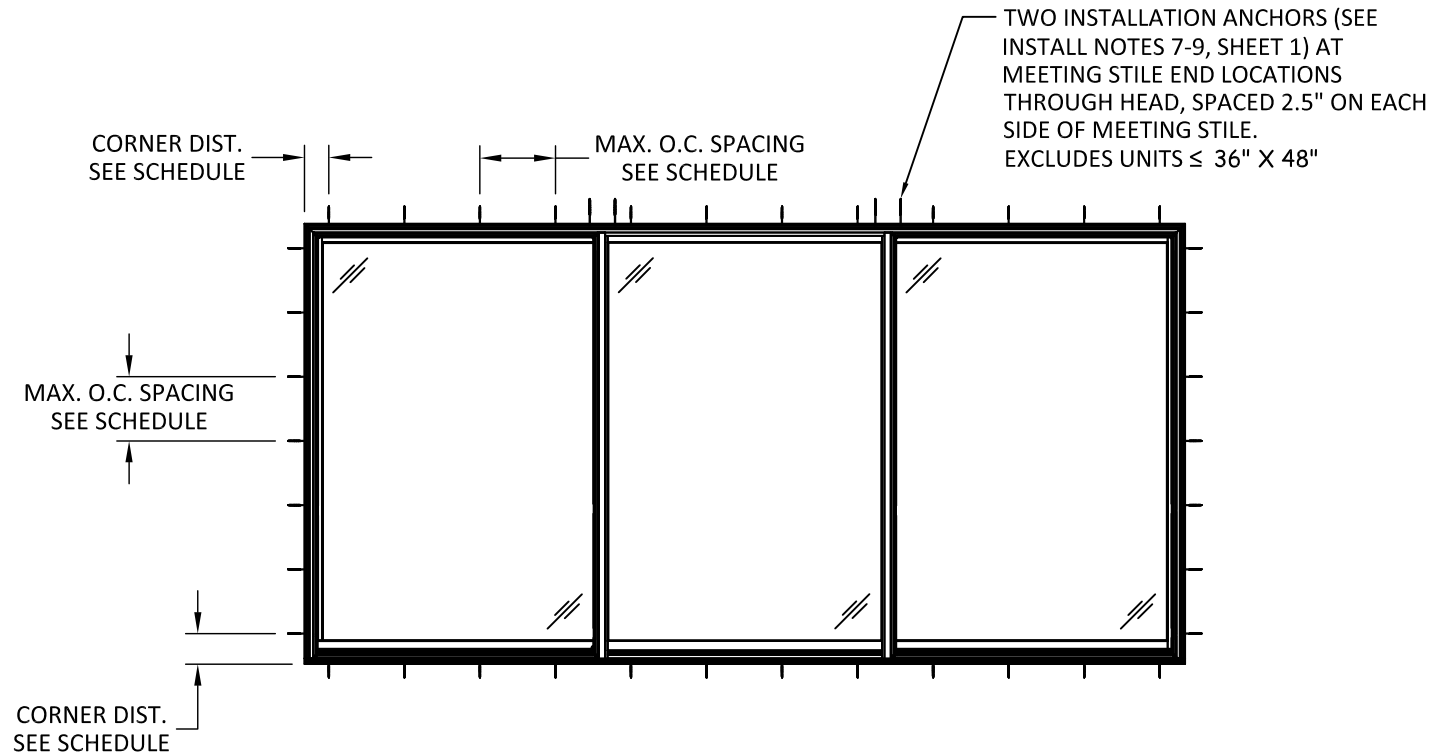
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SHEET:	4

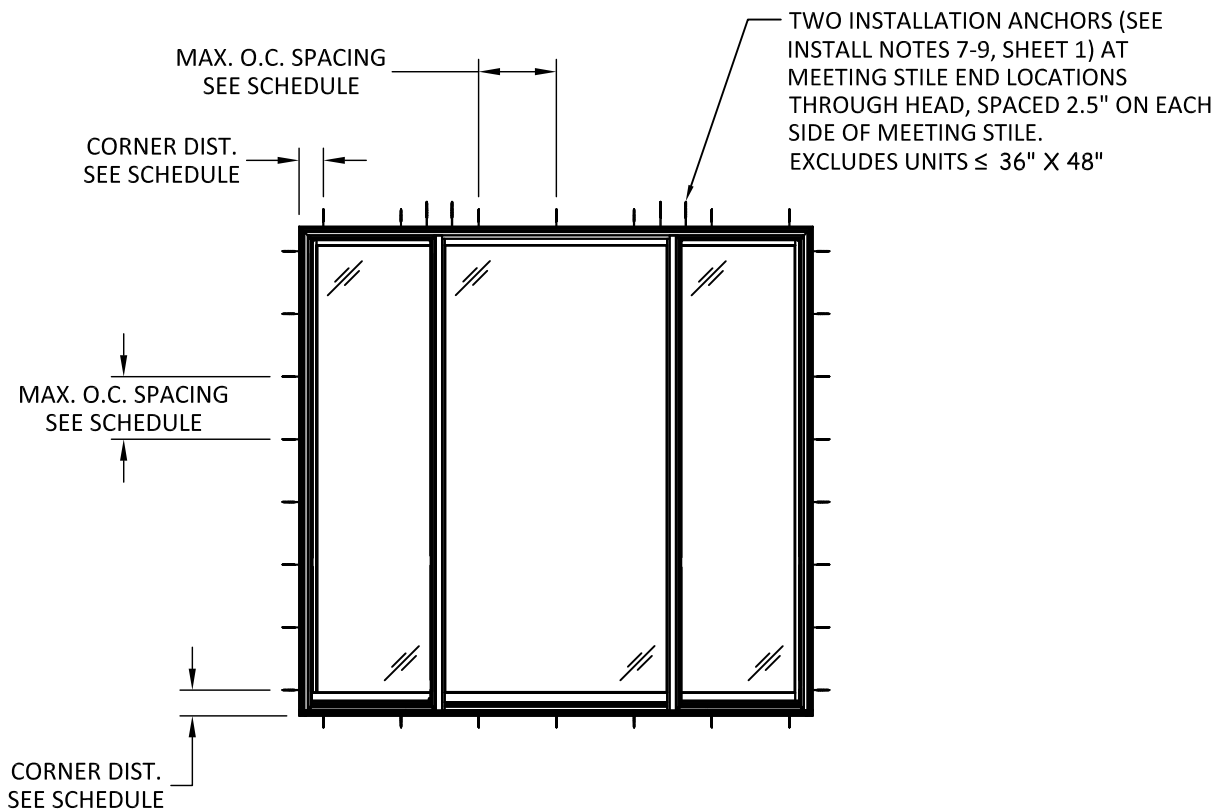
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TYPICAL ANCHOR LAYOUT

XOX GLIDER
1:1:1 SASH RATIO



TYPICAL ANCHOR LAYOUT

XOX GLIDER
1:2:1 SASH RATIO

ALL METHODS OF INSTALLATION REQUIRE
A CONTINUOUS 1/2" BEAD OF SILICONE
BELOW THE SILL

RENEWAL SERIES GLIDER ANCHOR SPACING					
CONFIG.	INSTALLATION METHOD	FROM CORNERS (IN)	MAX O.C. HEAD (IN)	MAX O.C. SILL (IN)	MAX O.C. JAMBS (IN)
"XOX" GLIDER 1:1:1 SASH RATIO	NAIL FIN	3.5	3.5	3.5	3.5
	INSTALLATION CLIP	5.5	14.5	14.5	16
	THROUGH FRAME	5.5	10.375	SEE NOTES	21.5
"XOX" GLIDER 1:2:1 SASH RATIO	NAIL FIN	3.5	3.5	3.5	3.5
	INSTALLATION CLIP	5.5	12.125	12.125	16
	THROUGH FRAME	5.5	10.5	SEE NOTES	22

INSTALLATION NOTES:

- FOR THROUGH FRAME INSTALLATIONS, INSTALLATION CLIPS MUST BE USED AT THE SILL IN LIEU OF FASTENERS THROUGH FRAME, SPACED IN ACCORDANCE WITH THE INSTALLATION CLIP SPACING REQUIREMENTS LISTED IN THE ABOVE TABLE.
- FOR CUSTOM SASH RATIOS, USE WORST CASE ANCHOR SPACING BETWEEN EQUAL SASH AND 1:2 OR 1:2:1 SASH RATIOS FROM TABLE ABOVE.
- REFER TO SHEET 1, INSTALLATION NOTES 4-11 FOR ANCHOR TYPE DEPENDENT ON INSTALLATION METHOD AND SUBSTRATE.

RENEWAL SERIES DP UPGRADE GLIDER ANCHOR SPACING					
CONFIG. & SIZE	INSTALLATION METHOD	FROM CORNERS (IN)	MAX O.C. HEAD (IN)	MAX O.C. SILL (IN)	MAX O.C. JAMBS (IN)
XOX GLIDER 1:1:1 & 1:2:1 56" X 48"	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	9	9	9
XOX GLIDER 1:1:1 & 1:2:1 74" X 64"	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	9	9	9
XOX GLIDER 1:1:1 & 1:2:1 108" X 64"	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	10.5	12.125	13.75
XOX GLIDER 1:1:1 & 1:2:1 108" X 72"	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	10.5	12.125	19.25
XOX GLIDER 1:1:1 & 1:2:1 120" X 64"	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	10.5	12.125	17.5

INSTALLATION NOTES:

- DP UPGRADE PRODUCTS WHEN ANCHORING WITH 3/16" ITW TAPCON FASTENERS THE JAMB SHIM MUST BE USED BETWEEN THE FRAME AND THE 1/4 INCH SHIM STACK. JAMB SHIM NOT REQUIRED WHEN USING JAMB CLIP FOR SILL FASTENING.



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ANCHOR LAYOUTS

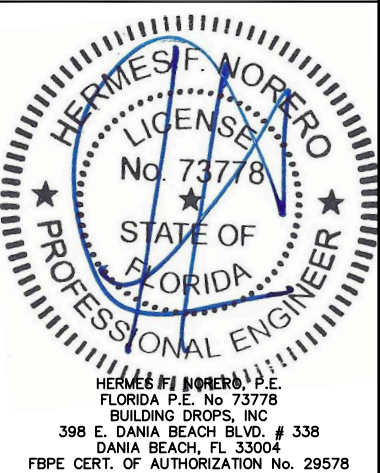
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REMARKS	BY	DATE

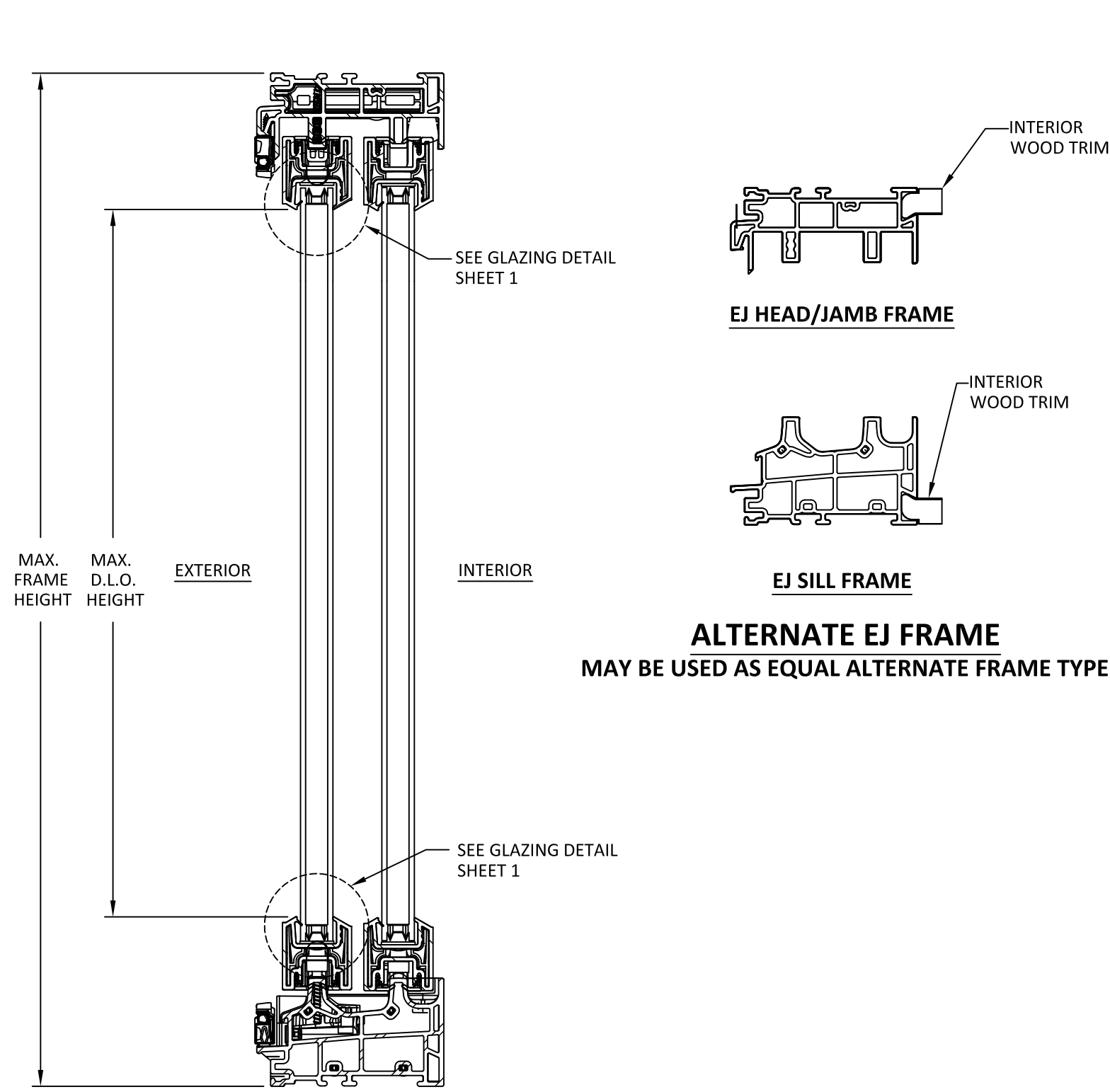
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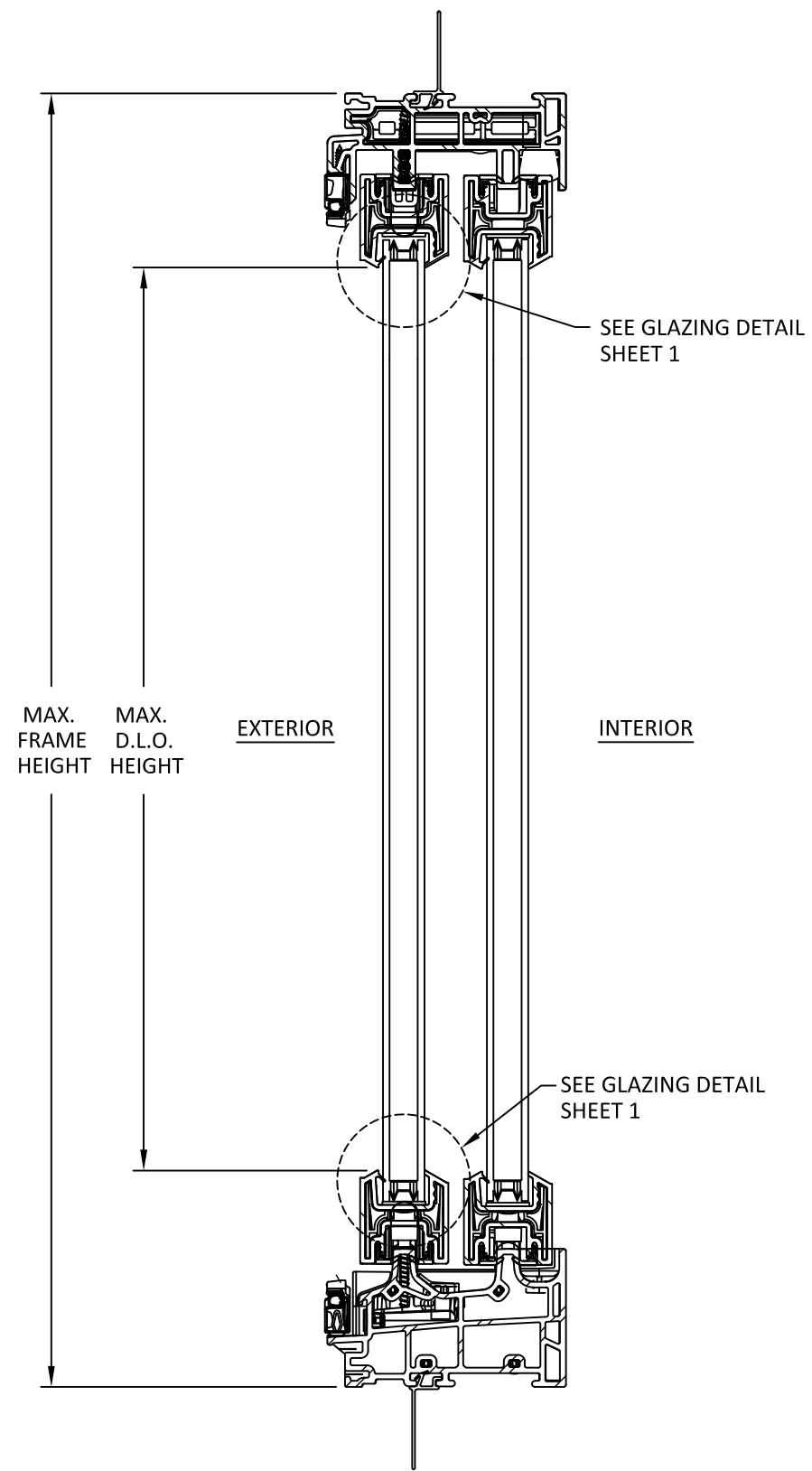
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SCALE:	NTS
DWG. #:	AWD243
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A
6 **VERTICAL SECTION**
THROUGH FRAME AND THROUGH CLIP INSTALLATION



B
6 **VERTICAL SECTION**
NAIL FIN INSTALLATION

NAIL FIN/FLANGE IS REVERSIBLE, SEE ORIENTATION DIFFERENCE BETWEEN HEAD AND SILL.



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VERTICAL SECTIONS

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FLORIDA P.E. No. 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

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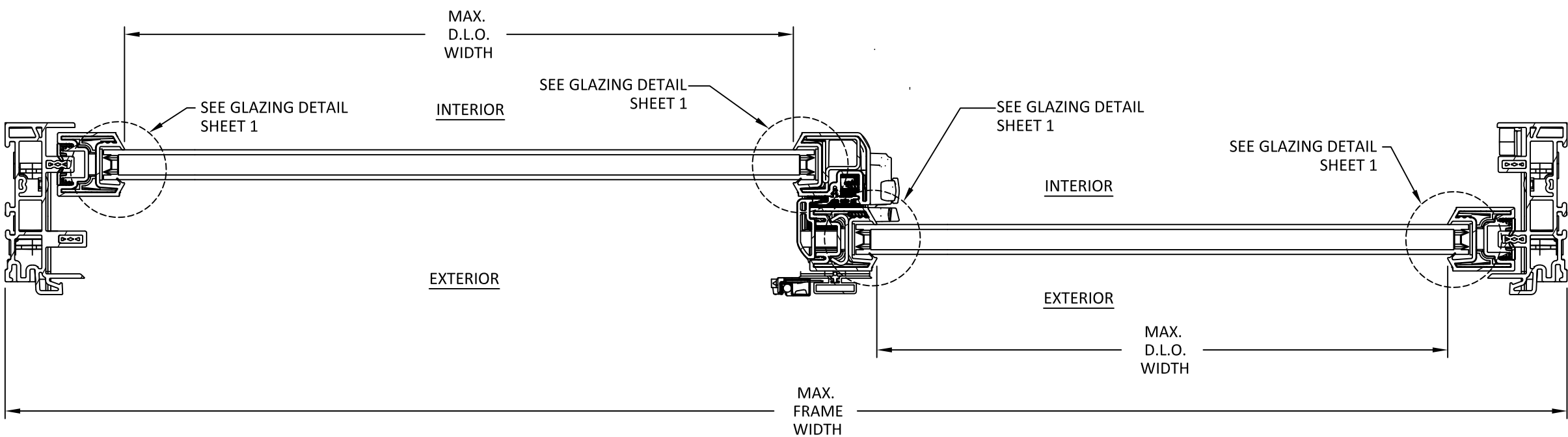
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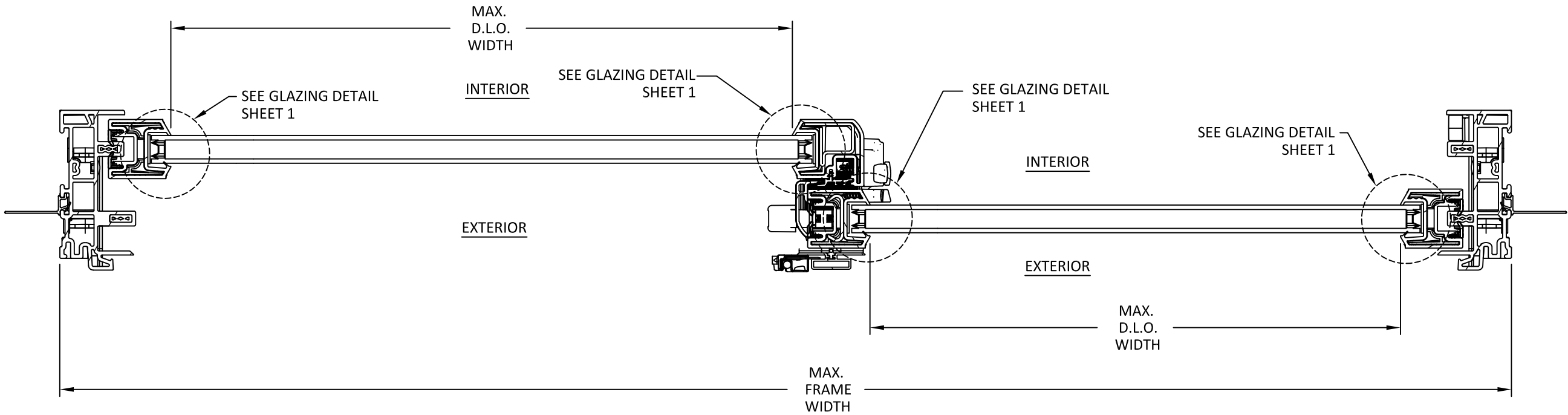
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A
7 HORIZONTAL SECTION
THROUGH FRAME AND THROUGH CLIP INSTALLATION

B
7 HORIZONTAL SECTION
ACTIVE/PASSIVE MEETING STILE

C
7 HORIZONTAL SECTION
THROUGH FRAME AND THROUGH CLIP INSTALLATION



D
7 HORIZONTAL SECTION
NAIL FIN INSTALLATION

E
7 HORIZONTAL SECTION
ACTIVE/STATIONARY MEETING STILE

F
7 HORIZONTAL SECTION
NAIL FIN INSTALLATION



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HORIZONTAL SECTIONS

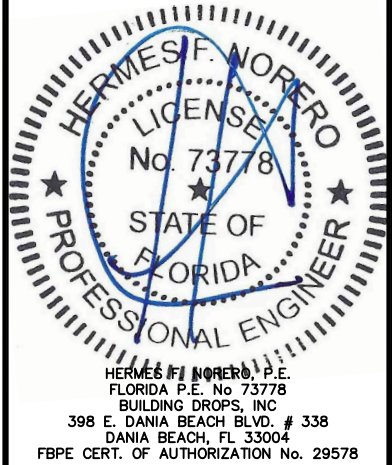
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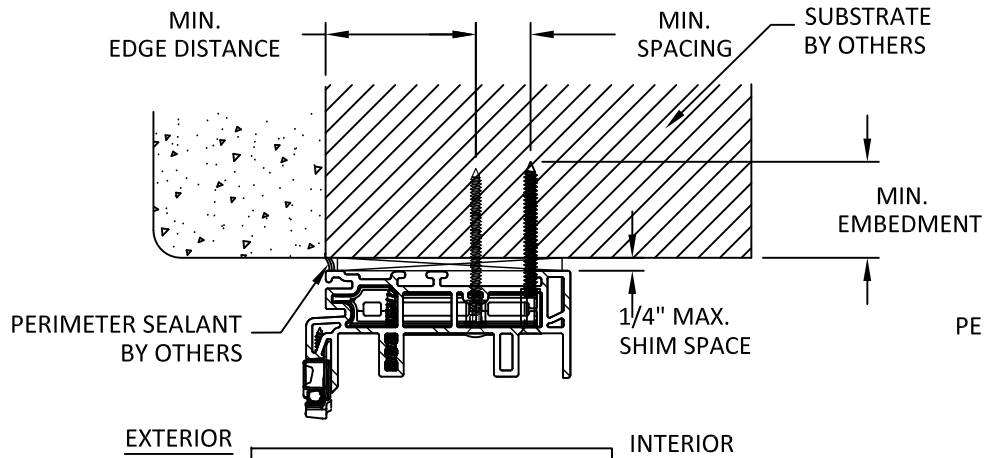


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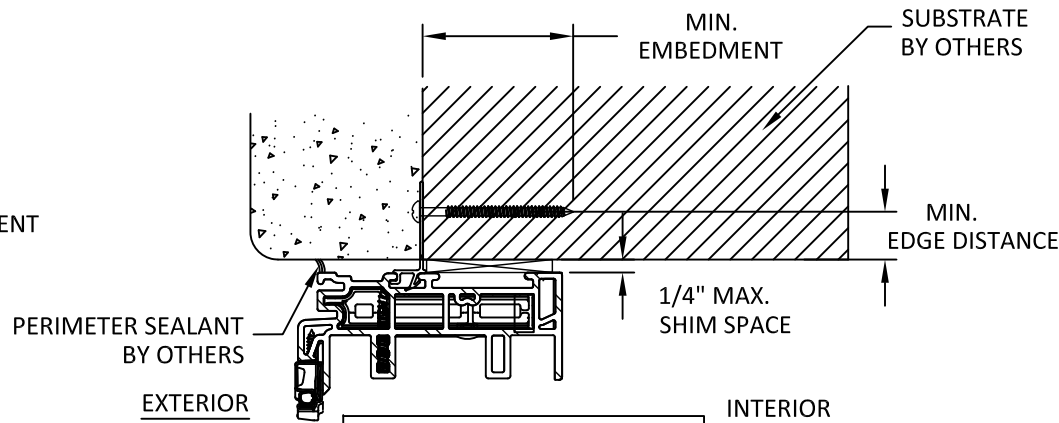


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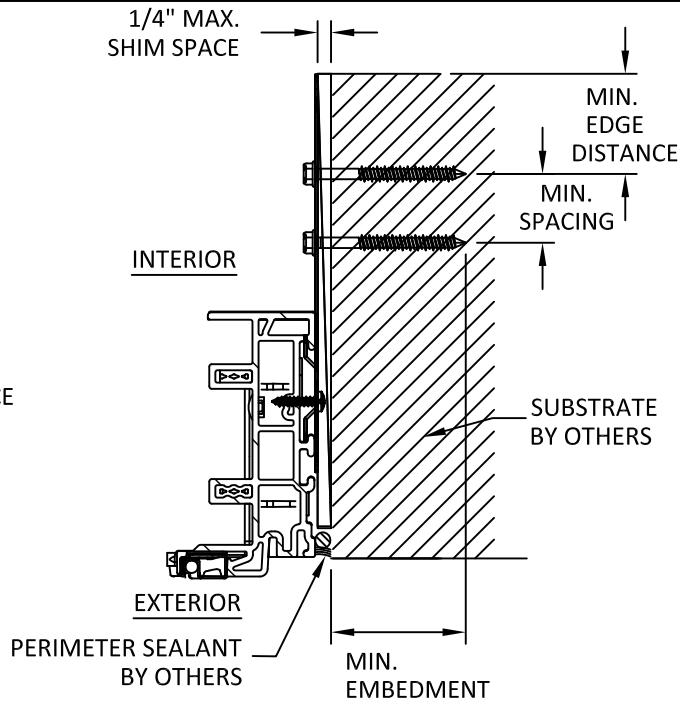
NOTE:
SILL & JAMB DETAIL SIMILAR.

A
8 **VERTICAL SECTION**
THROUGH FRAME (HEAD)



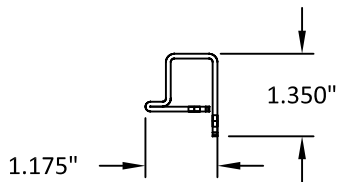
NOTE:
SILL & JAMB DETAIL SIMILAR.

B
8 **VERTICAL SECTION**
NAIL FIN (HEAD)

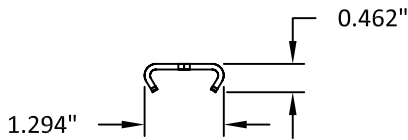


NOTE:
HEAD & SILL DETAIL SIMILAR.

C
8 **HORIZONTAL SECTION**
THROUGH CLIP (JAMB)

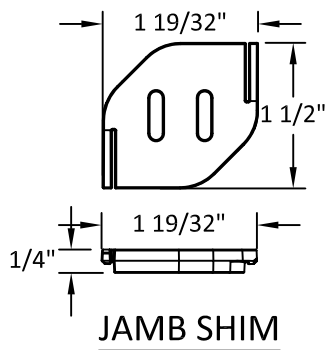


ACTIVE SASH MEETING STILE
REINFORCEMENT DETAIL

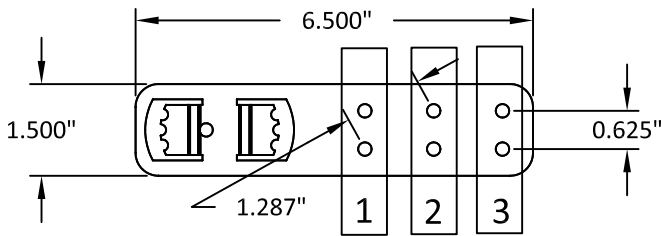


PASSIVE/STATIONARY SASH MEETING
STILE REINFORCEMENT DETAIL

SASH REINFORCEMENT REQUIREMENTS	
SIZE	REINFORCING
UNIT HEIGHT $\geq$ 54"	REQUIRES STEEL REINFORCEMENT IN ACTIVE AND PASSIVE OR STATIONARY SASH MEETING STILES
UNIT HEIGHT < 54"	NOT REQUIRED



JAMB SHIM



INSTALLATION CLIP DETAIL

INSTALLATION CLIP ANCHOR REQUIREMENTS:

WOOD SUBSTRATE: USE TWO #8 PAN HEAD WOOD SCREWS PER CLIP, IN ROW NUMBER ONE OF PREDRILLED HOLES SHOWN BELOW.

METAL SUBSTRATE: USE TWO #8 HWH SMS ANCHORS PER CLIP, IN ROW NUMBER ONE OF PREDRILLED HOLES SHOWN BELOW.

CONCRETE/MASONRY: USE TWO $\frac{3}{16}$ " ITW TAPCON ANCHORS, WITH ONE ANCHOR PLACED IN ROW NUMBER ONE AND ONE ANCHOR PLACED IN ROW NUMBER TWO OF PREDRILLED HOLES SHOWN BELOW. ANCHORS MUST BE PLACED DIAGONALLY ACROSS THE CLIP.

DO NOT INSTALL ANCHORS THROUGH ROW NUMBER THREE.



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ANCHOR DETAILS

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INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION, UNLESS OTHERWISE SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/4 INCH THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
4. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
5. FOR MASONRY OR CONCRETE OPENINGS, A 1X WOOD BUCK MAY BE USED (OPTIONAL) AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE STILL MET WITHIN THE CORRESPONDING HOST SUBSTRATE. SEE GENERAL NOTE #3 ON SHEET 1 FOR MORE INFORMATION.
6. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
7. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
8. FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
9. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.

ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	WOOD: MIN. SG = 0.55	#10 WOOD SCREW FLAT HEAD	1.5"	0.75"
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	#10 TEK SCREW FLAT HEAD	3 THREADS MIN PENETRATION BEYOND METAL	0.5"
THROUGH FRAME & THROUGH CLIP	CONCRETE: MIN. f _c =3000PSI	3/16" ITW TAPCON FLATHEAD	1.25"	2.5
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON FLATHEAD	1"	2.25
NAIL FIN & THROUGH CLIP	WOOD: MIN. SG = 0.55	#8 WOOD SCREW FLAT HEAD	1.5"	0.75"
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	#8 TEK SCREW FLAT HEAD	3 THREADS MIN PENETRATION BEYOND METAL	0.5"



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INSTALLATION NOTES & ANCHOR SCHEDULE

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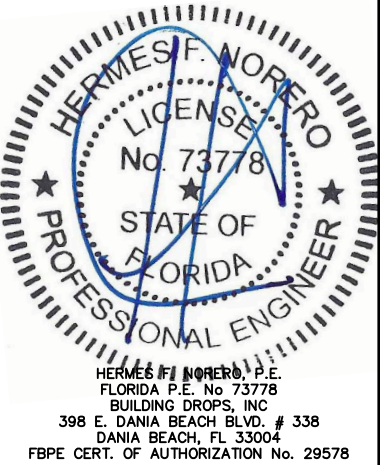
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