

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	Andersen Corporation	DG Series Double Hung Window (Non-Impact) (Non-HVHZ)	FL27970.1
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			

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Product Approval

USER: Public User

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

OFFICE OF THE SECRETARY

FL #	FL19563-R7																		
Application Type	Revision																		
Code Version	2023																		
Application Status	Approved																		
Comments																			
Archived	☐																		
Product Manufacturer	Andersen Corporation																		
Address/Phone/Email	100 Fourth Avenue North Bayport, MN 55003 (651) 264-5308 alan.barstad@AndersenCorp.com																		
Authorized Signature	Alan Barstad alan.barstad@AndersenCorp.com																		
Technical Representative																			
Address/Phone/Email																			
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	Hermes F. Norero, P.E.																		
Florida License	PE-73778																		
Quality Assurance Entity	Window and Door Manufacturers Association-QA																		
Quality Assurance Contract Expiration Date	12/16/2030																		
Validated By	Zachary R. Priest, P.E. ☒ Validation Checklist - Hardcopy Received																		
Certificate of Independence	FL19563_R7_COI_COI Andersen Corporation SS 2024-04-30.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/I.S.2/A440</td><td>2008</td></tr><tr><td>AAMA/WDMA/CSA 101/I.S.2/A440</td><td>2011</td></tr><tr><td>AAMA/WDMA/CSA 101/I.S.2/A440</td><td>2017</td></tr><tr><td>ASTM E1886</td><td>2019</td></tr><tr><td>ASTM E1996</td><td>2020</td></tr><tr><td>TAS 201</td><td>1994</td></tr><tr><td>TAS 202</td><td>1994</td></tr><tr><td>TAS 203</td><td>1994</td></tr></tbody></table>	Standard	Year	AAMA/WDMA/CSA 101/I.S.2/A440	2008	AAMA/WDMA/CSA 101/I.S.2/A440	2011	AAMA/WDMA/CSA 101/I.S.2/A440	2017	ASTM E1886	2019	ASTM E1996	2020	TAS 201	1994	TAS 202	1994	TAS 203	1994
Standard	Year																		
AAMA/WDMA/CSA 101/I.S.2/A440	2008																		
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ASTM E1886	2019																		
ASTM E1996	2020																		
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

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

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Product Approval Accepts:

ANDERSEN CORPORATION

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

GENERAL NOTES:

1. 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
2. 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.
3. 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.
4. 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.
5. 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.
6. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
7. WINDOW FRAME MATERIAL: FIBREX & PVC
8. 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.
9. 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

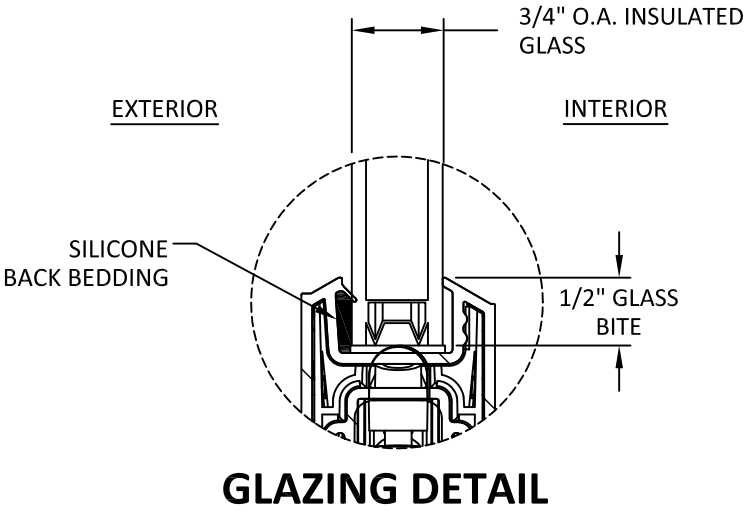
DESIGN PRESSURE UPGRADE RATING			
SIZE	CONFIGURATION	DESIGN PRESSURE	SASH WIDTH RATIO
56" X 48"	XO	+61.0 / -79.0 PSF	1:1
40" X 40"	XO	+81.0 / -100.0 PSF	1:1
88" X 64"	XO	+42.0 / -43.0 PSF	1:1
74" X 72"	XO	+50.0 / -50.0 PSF	1:1
74" X 64"	XO	+50.0 / -65.0 PSF	1:1
108" X 72"	XOX	+26.0 / -26.0 PSF	1:1:1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

1. DP UPGRADE PRODUCT POSITIVE RATING IS DRIVEN BY STRUCTURAL ONLY. WATER IS NOT INCLUDED.
2. 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
2	-	ELEVATIONS
3	-	ELEVATIONS
4	-	ANCHOR LAYOUTS
5	-	ANCHOR LAYOUTS
6	-	VERTICAL SECTIONS
7	-	HORIZONTAL SECTIONS
8	-	ANCHOR DETAILS
9	-	INSTALLATION NOTES & ANCHOR SCHEDULE

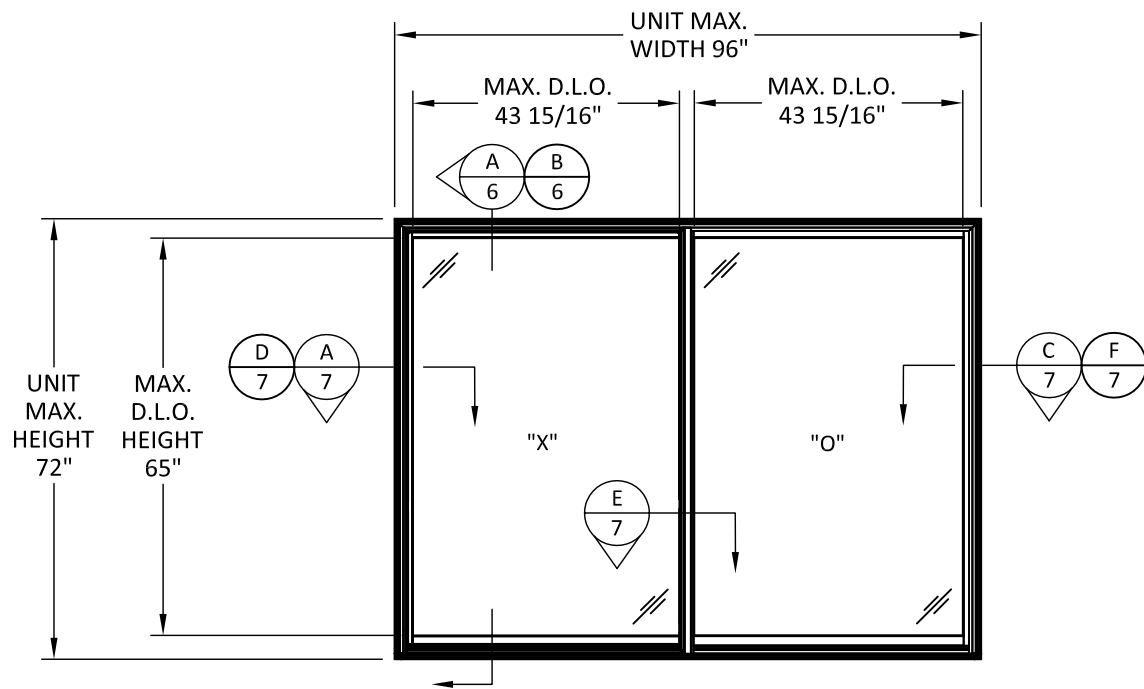


GLAZING NOTES:

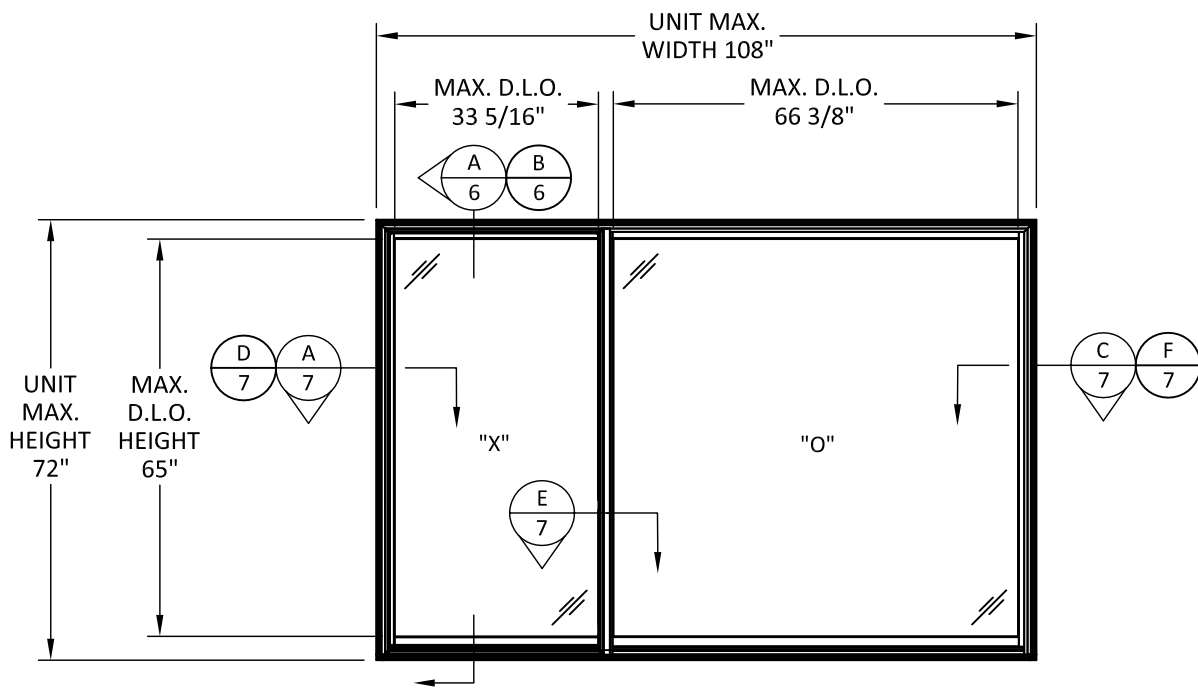
1. GLASS TYPE & THICKNESS SHALL COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36\"/>
-
- 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
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- | REMARKS | BY | DATE |
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- Digitally signed by **Hermes F. Norero, P.E.**
Reason: I am approving this document
Date: 2018.12.17 15:52:37 -0500
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- | | | |
|----------|----------|--------------|
| FL #: | FL19563 | |
| DATE: | 11.07.18 | |
| DWG. BY: | RV | CHK. BY: HFN |
| SCALE: | NTS | |
| DWG. #: | AWD243 | |
| SHEET: | 1 | |
| | OF 9 | |

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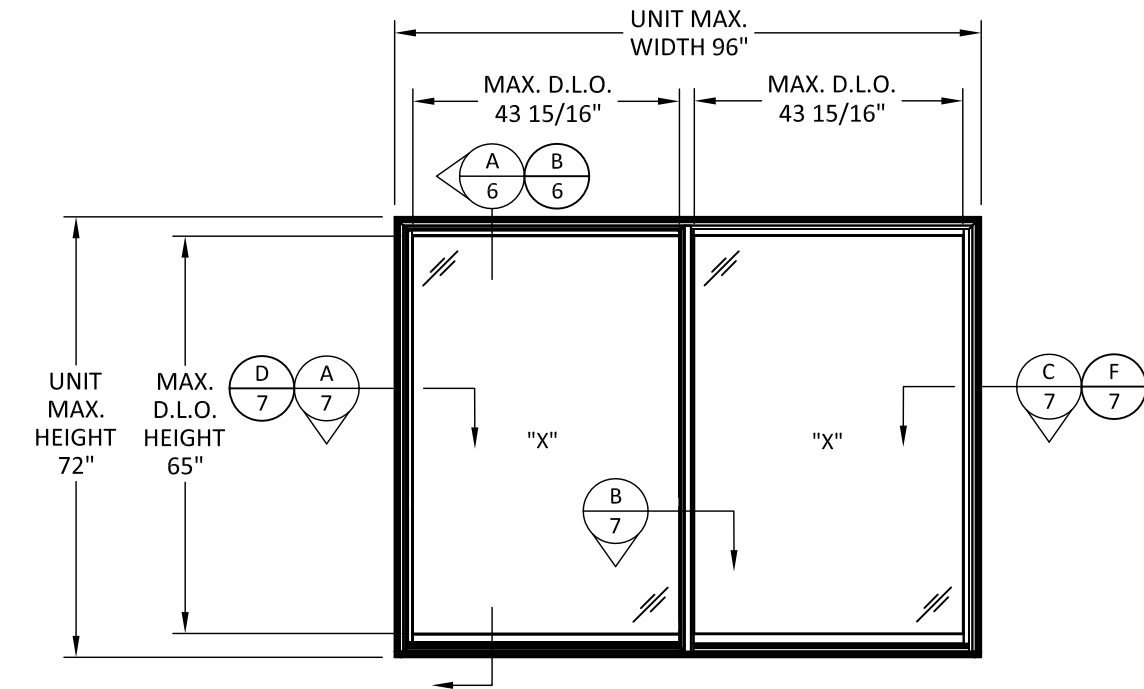


ELEVATION
96" X 72" XO UNIT
1:1 SASH RATIO

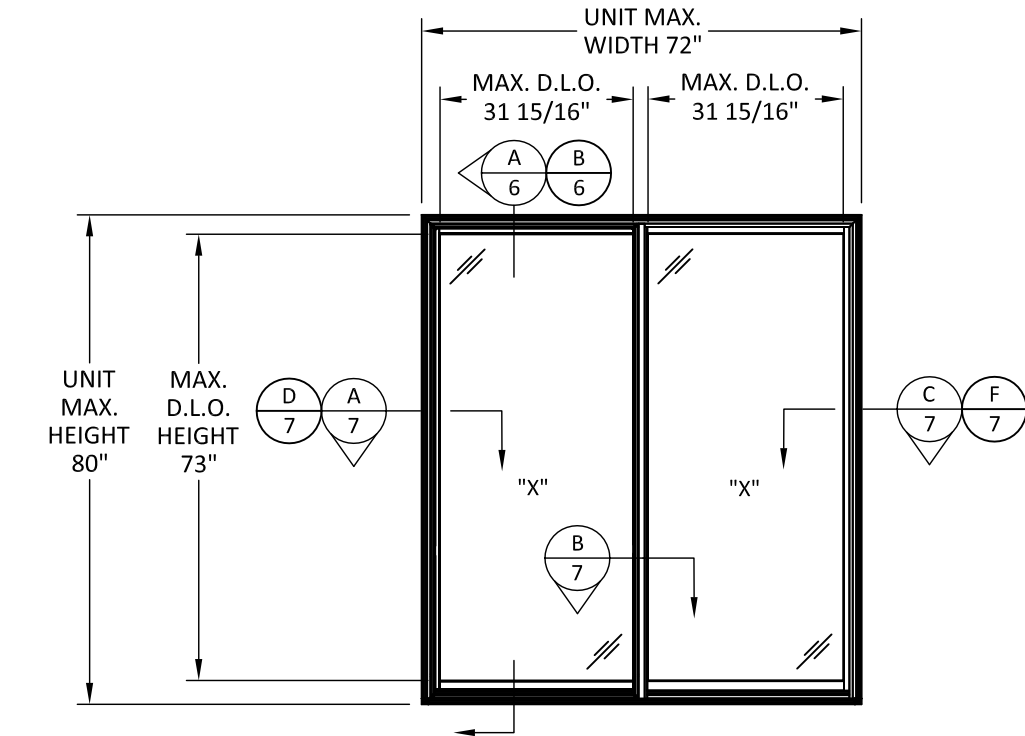


ELEVATION
108" X 72" XO UNIT
1:2 SASH RATIO

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



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(NON-HVHZ)

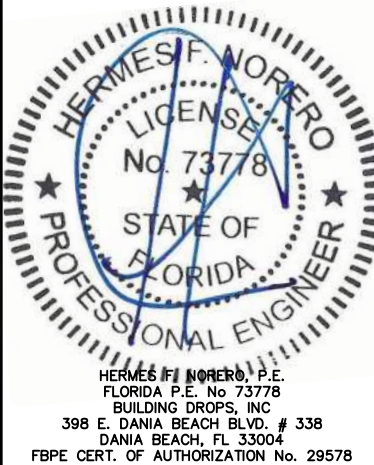
ELEVATIONS

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DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

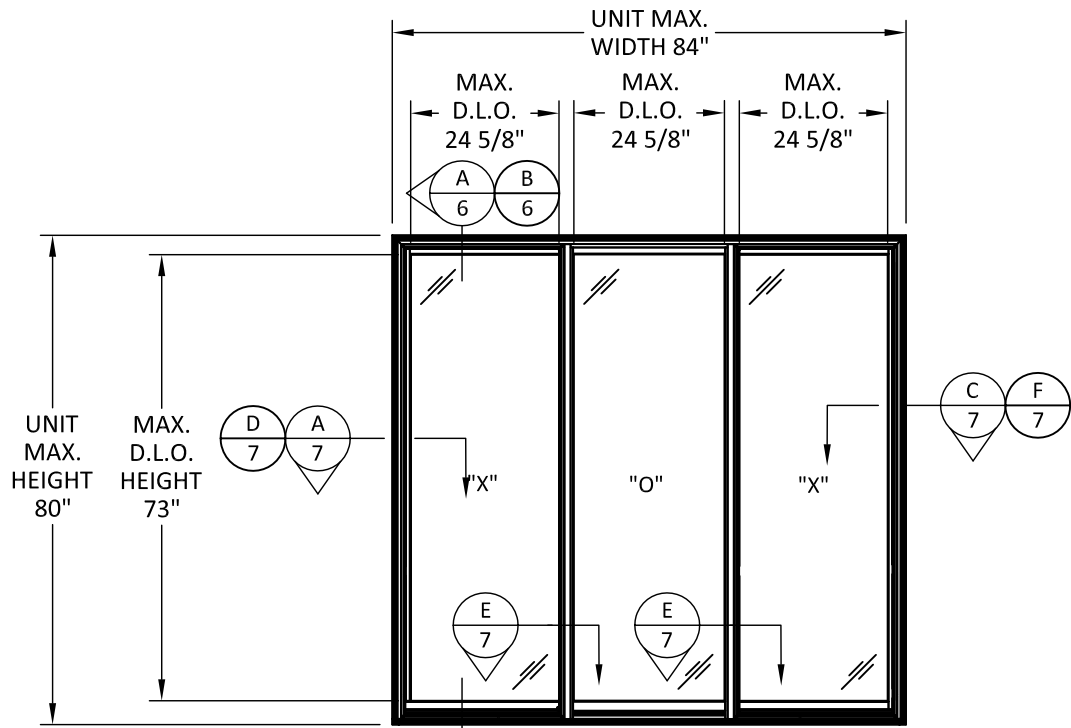


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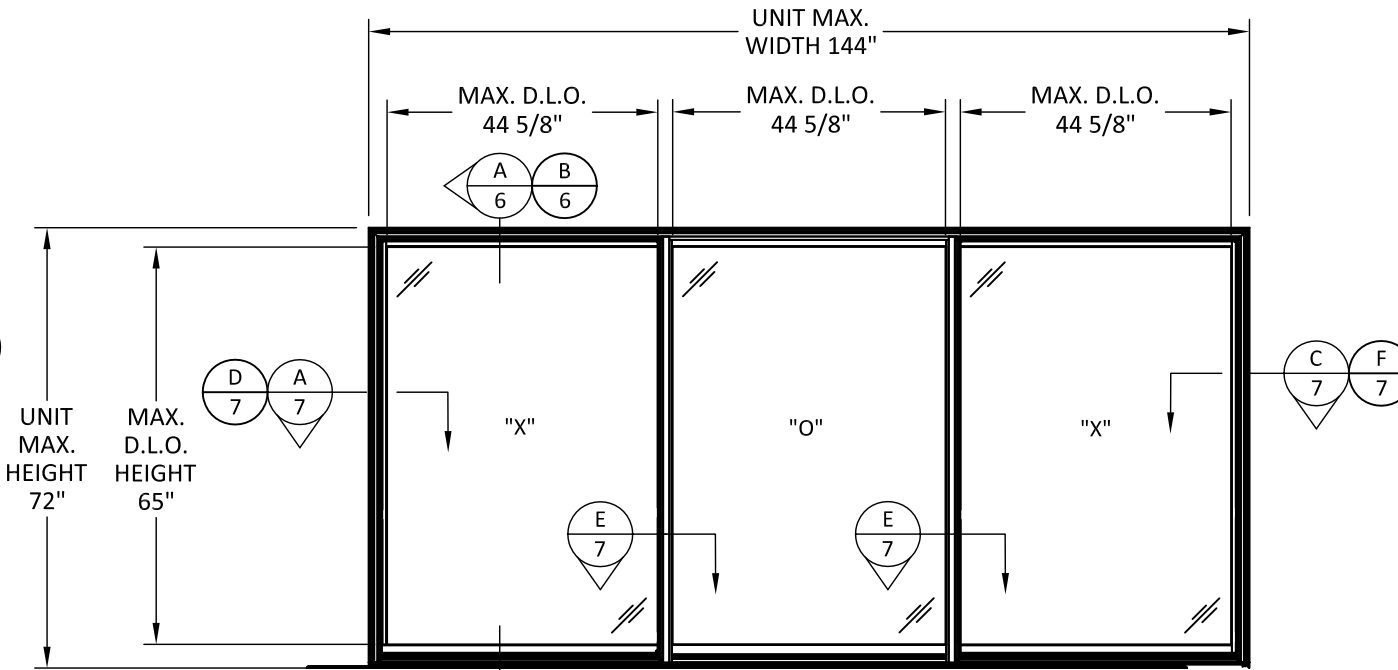
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FL #:	FL19563
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SCALE:	NTS
DWG. #:	AWD243
SHEET:	2

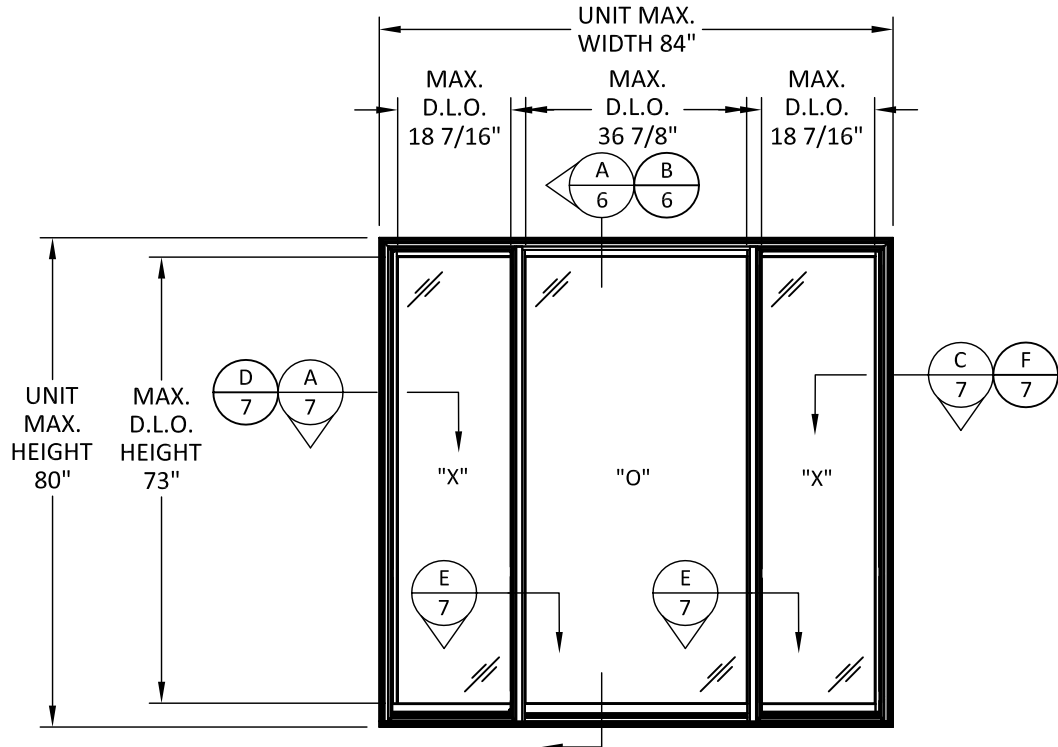


ELEVATION
84" X 80" XOX UNIT
1:1:1 SASH RATIO

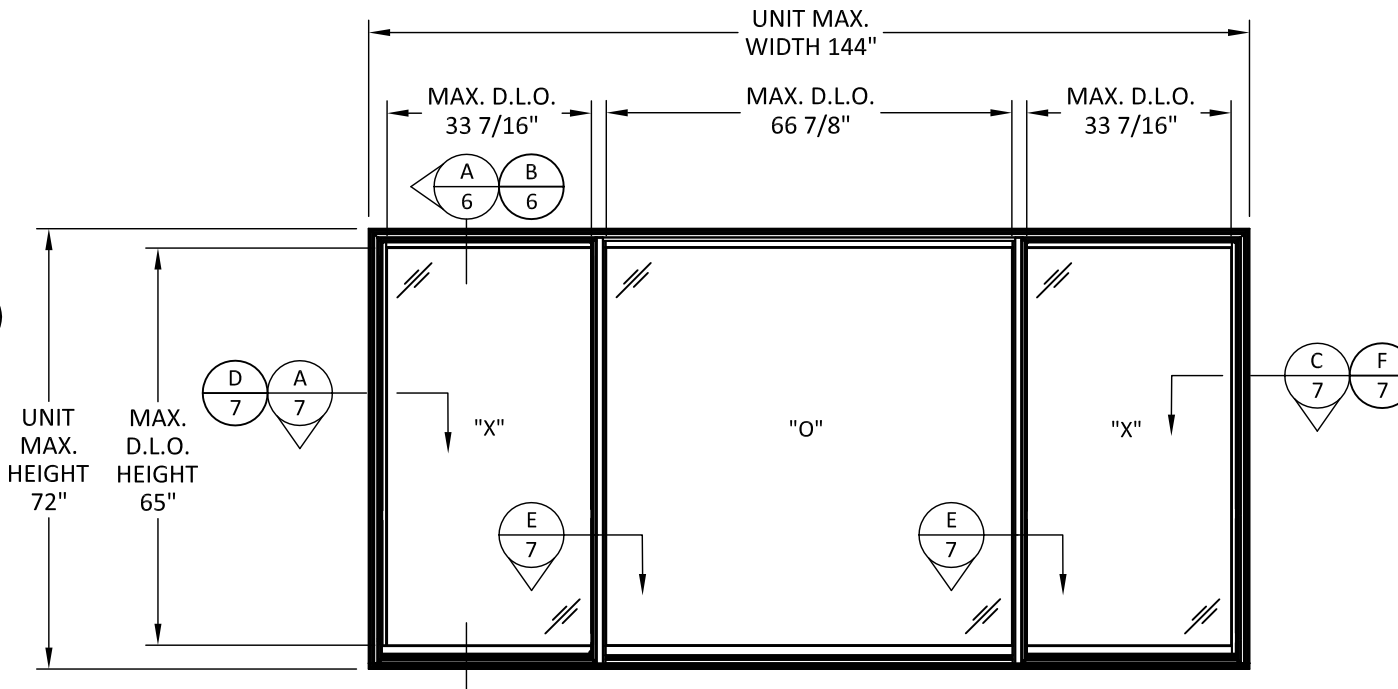


ELEVATION
144" X 72" XOX UNIT
1:1:1 SASH RATIO

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



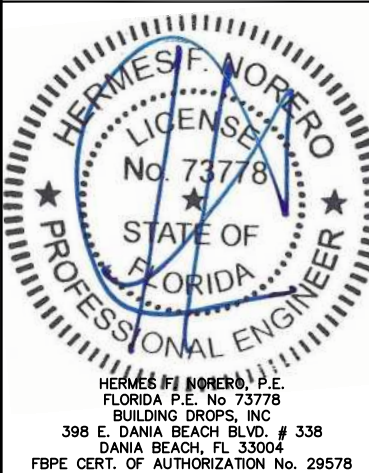
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: RENEWAL SERIES GLIDING
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ELEVATIONS

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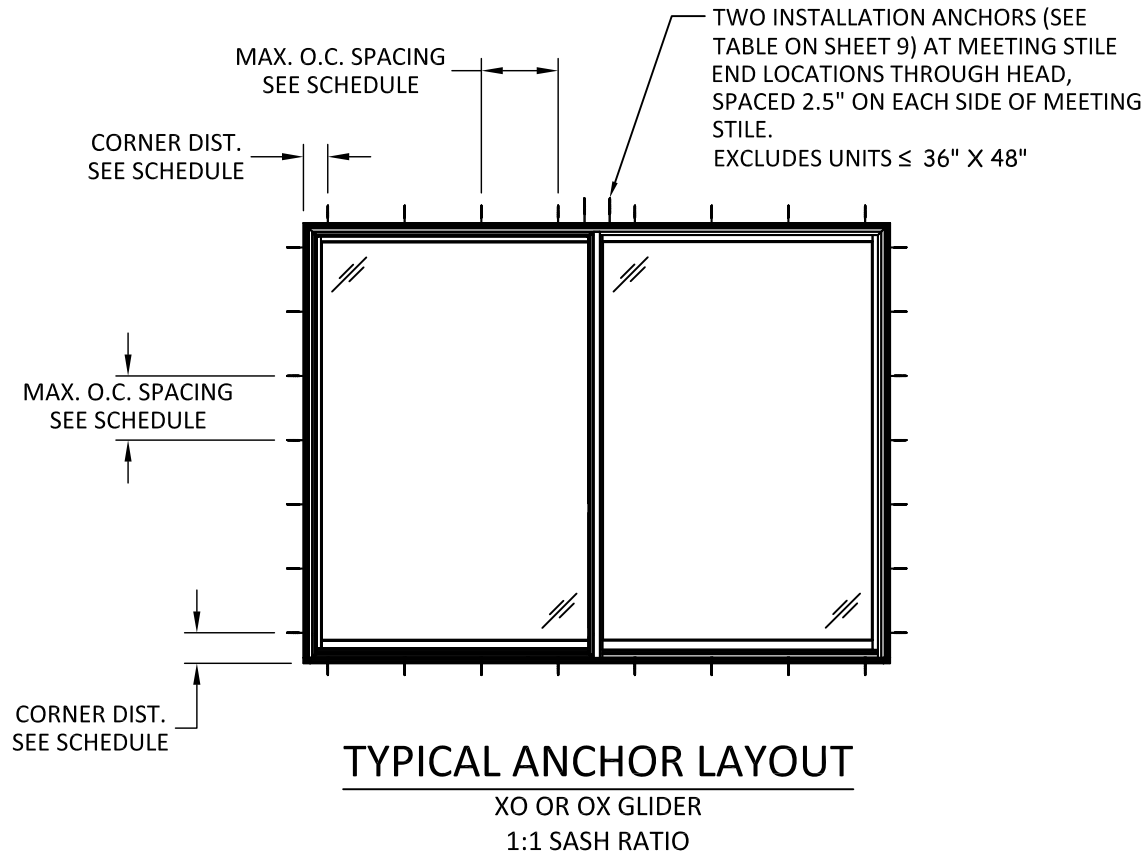
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DWG. #: **AWD243**

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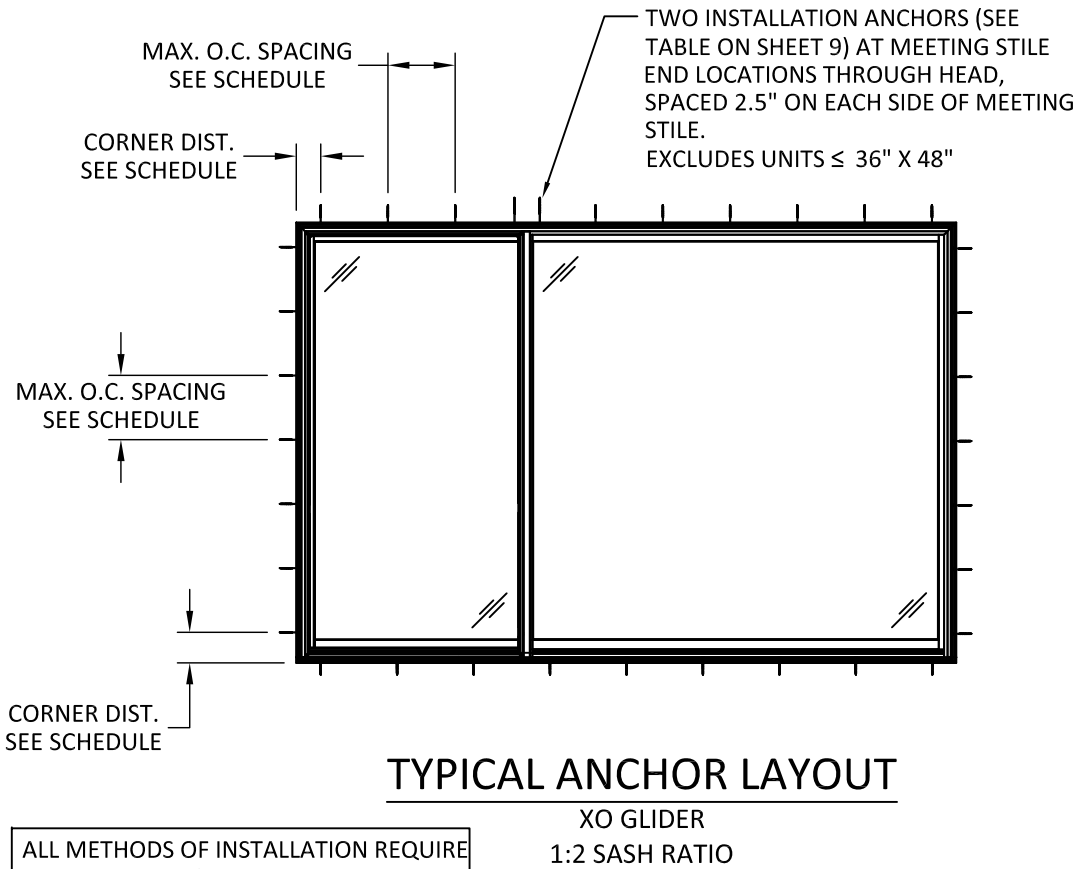
s:\projects\andersen windows\fboc-18-0822 - fbc submittal - rba fixed, casement, awning, & gliding window - high performance\dwgs\hslawd243.dwg



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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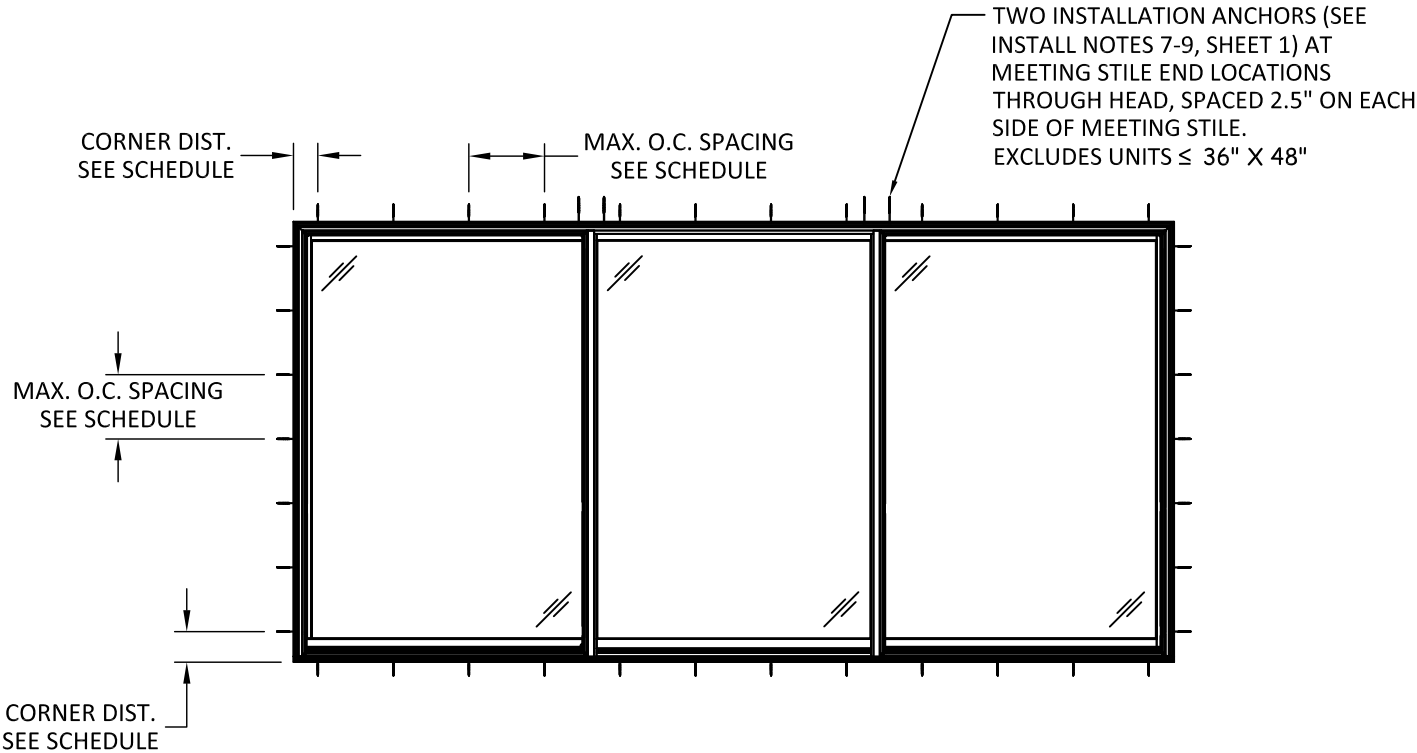
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SHEET:	4

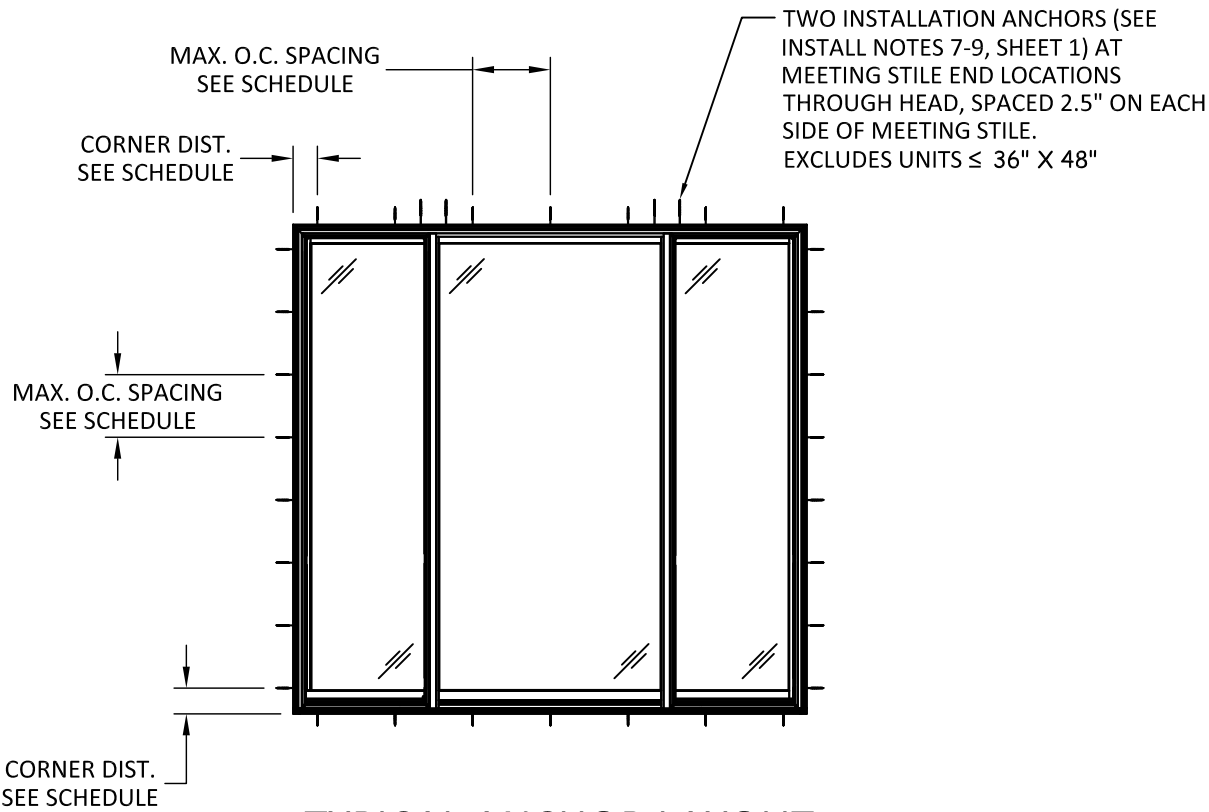
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TYPICAL ANCHOR LAYOUT

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 1:1:1 & 1:2:1 GLIDER 56" X 48"	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	9	9	9
XOX 1:1:1 & 1:2:1 GLIDER 74" X 64"	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	9	9	9
XOX 1:1:1 & 1:2:1 GLIDER 108" X 64"	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	10.5	12.125	13.75
XOX 1:1:1 & 1:2:1 GLIDER 108" X 72"	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	10.5	12.125	19.25
XOX 1:1:1 & 1:2:1 GLIDER 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.



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.

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

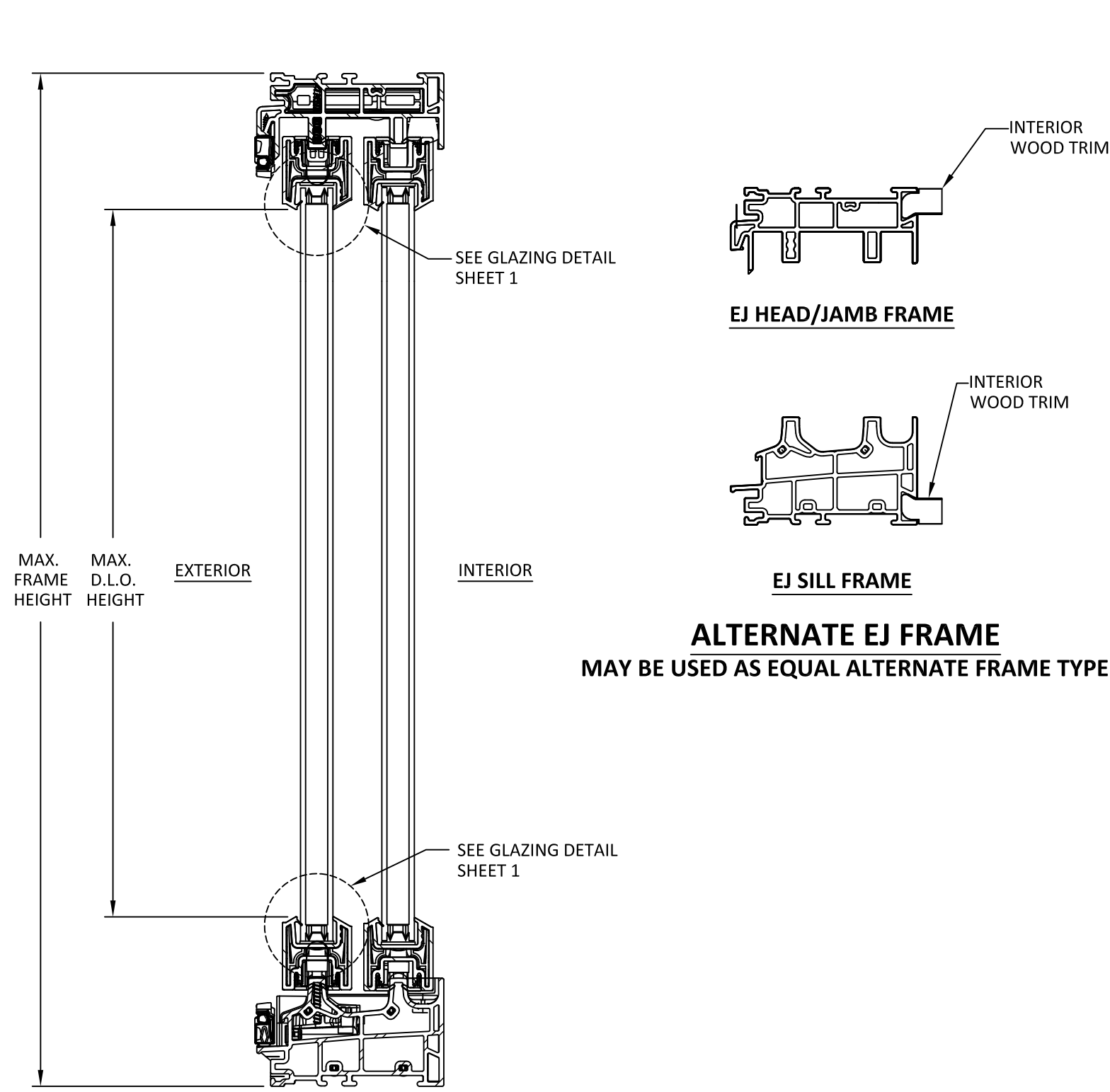
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL #:	FL19563
DATE:	11.07.18
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD243
SHEET:	5

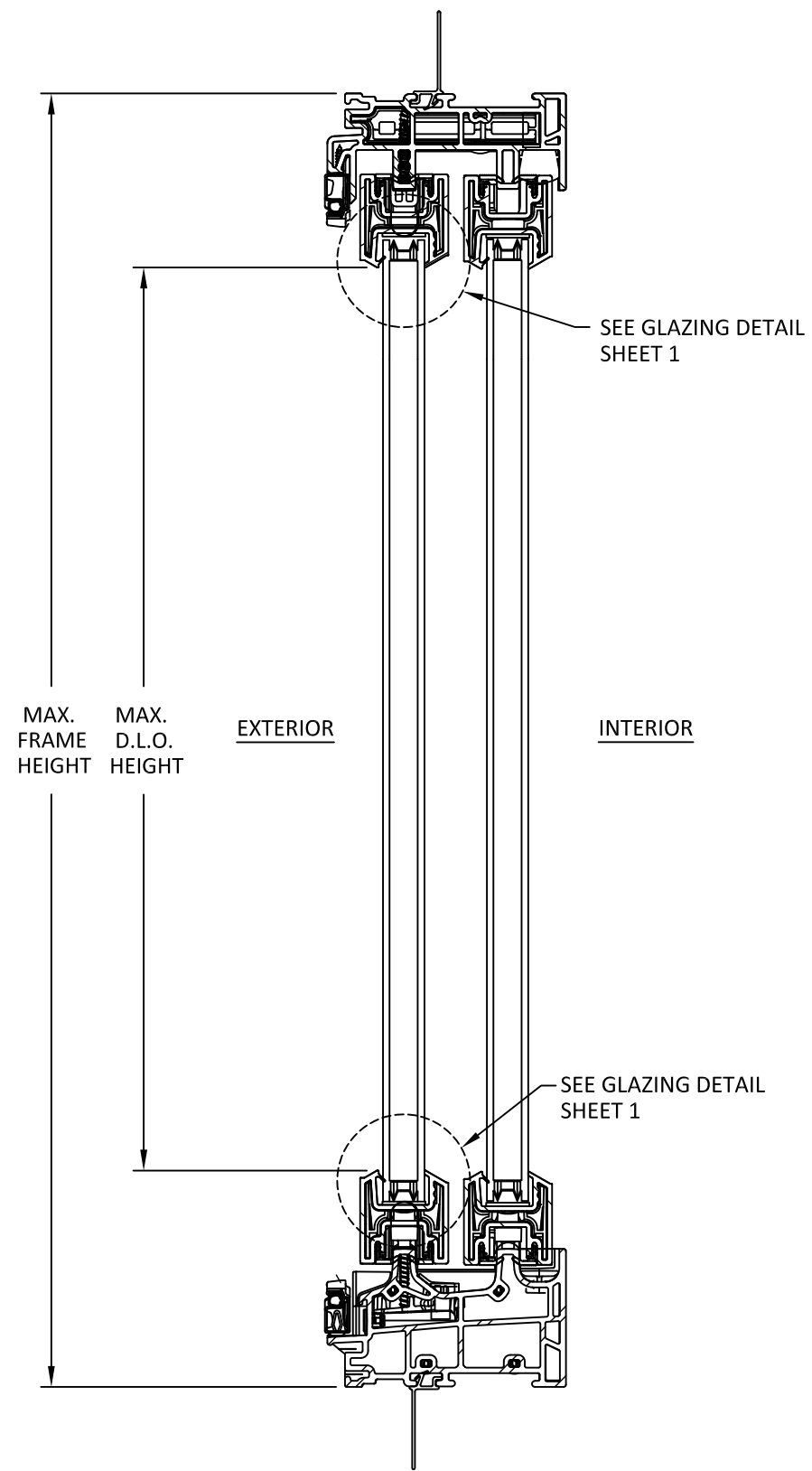
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A
6 **VERTICAL SECTION**
THROUGH FRAME AND THROUGH CLIP INSTALLATION

ALTERNATE EJ FRAME
MAY BE USED AS EQUAL ALTERNATE FRAME TYPE



B
6 **VERTICAL SECTION**
NAIL FIN INSTALLATION

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



100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
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TITLE: RENEWAL SERIES GLIDING WINDOW (NON-IMPACT) (NON-HVHZ) VERTICAL SECTIONS

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

FL #: **FL19563**

DATE: **11.07.18**

DWG. BY: **RV** CHK. BY: **HFN**

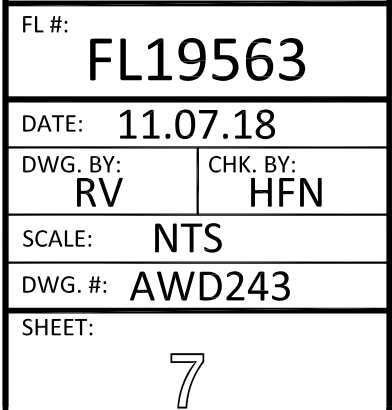
SCALE: **NTS**

DWG. #: **AWD243**

SHEET: **6**

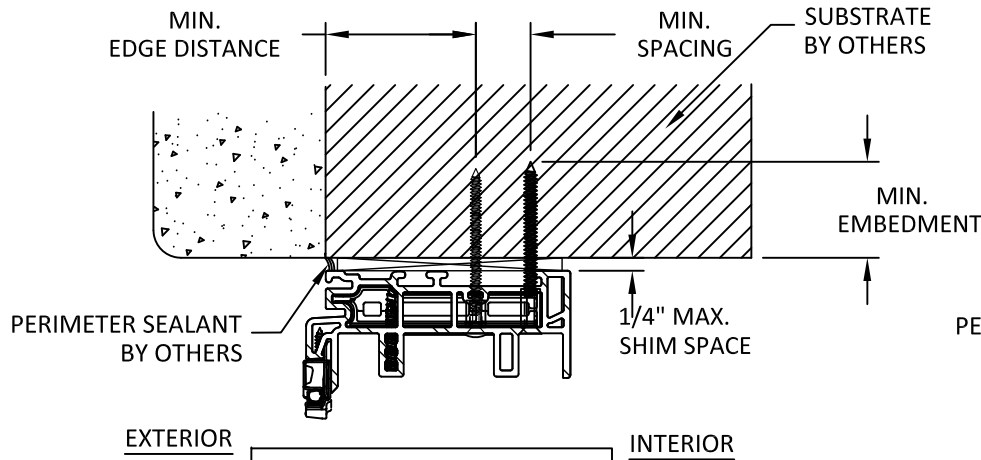


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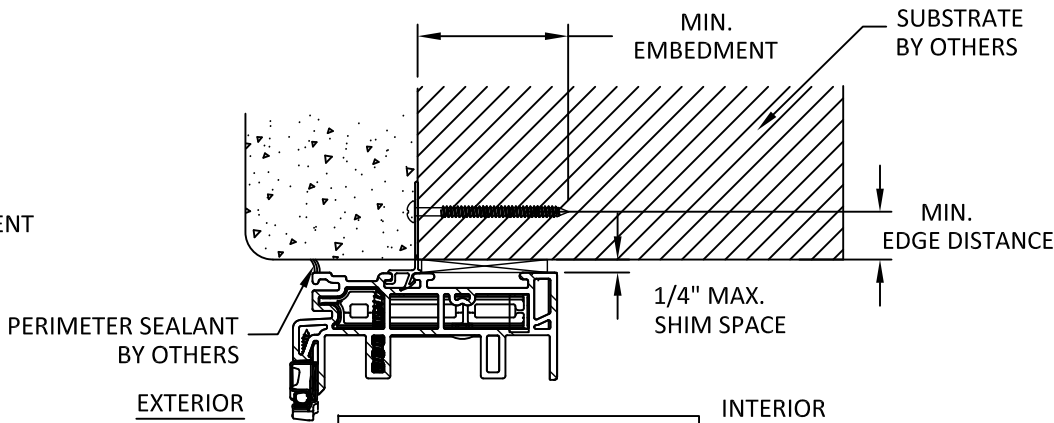
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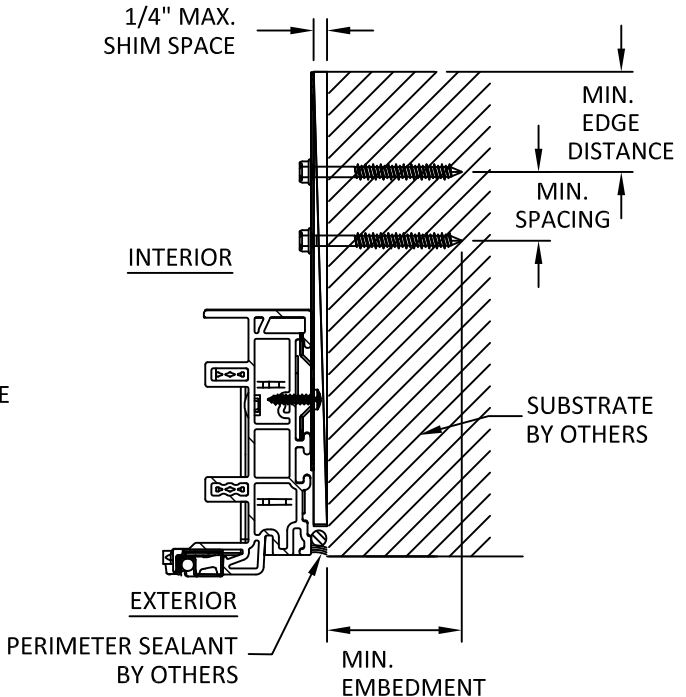
NOTE:
SILL & JAMB DETAIL SIMILAR.

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



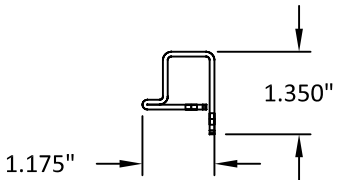
NOTE:
SILL & JAMB DETAIL SIMILAR.

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

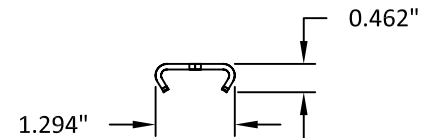


NOTE:
HEAD & SILL DETAIL SIMILAR.

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

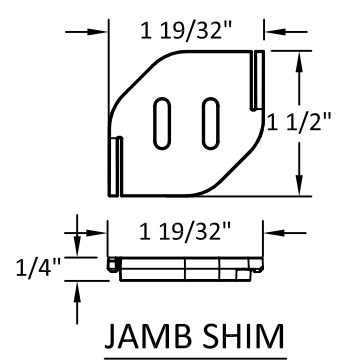


ACTIVE SASH MEETING STILE
REINFORCEMENT DETAIL

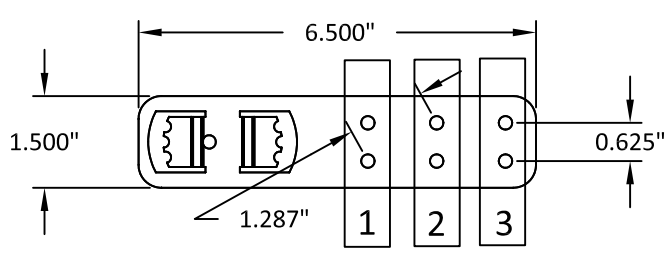


PASSIVE/STATIONARY SASH MEETING
STILE REINFORCEMENT DETAIL

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.

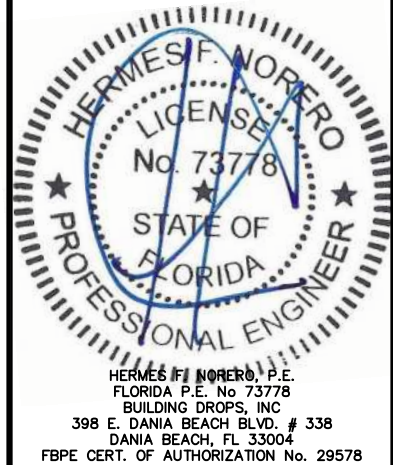


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PH: (651) 264-5150 FX: (651) 264-5485

TITLE: RENEWAL SERIES GLIDING WINDOW (NON-IMPACT) (NON-HVHZ)
ANCHOR DETAILS
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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HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL19563

DATE: **11.07.18**

DWG. BY: **RV** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **AWD243**

SHEET:

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION, UNLESS OTHERWISE SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
- 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.
- 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.
- 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.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- 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.
- 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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BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

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

INSTALLATION NOTES &
ANCHOR SCHEDULE

PREPARED BY:

BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
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FL #:

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DATE: 11.07.18

DWG. BY:
RV

CHK. BY:
HFN

SCALE: NTS

DWG. #: AWD243

SHEET:

9

FLORIDA DEPARTMENT OF
Business & Professional Regulation

Florida
dbpr
Department of Business
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Product Approval

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FL27970-R6

Revision

2023

Approved

Comments

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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

Andersen Corporation

100 Fourth Avenue North

Bayport, MN 55003

(651) 264-5308

alan.barstad@AndersenCorp.com

Alan Barstad

alan.barstad@AndersenCorp.com

Alan Barstad

100 Fourth Avenue North

Bayport, MN 55003

(651) 264-5308

abarstad@andersencorp.com

Windows

Double Hung

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

[FL27970_R6_COI_COI Andersen Corporation SS 2024-04-30.pdf](#)

Standard	Year
AAMA/WDMA/CSA 101/I.S.2/A440	2011
AAMA/WDMA/CSA 101/I.S.2/A440	2008
AAMA/WDMA/CSA 101/I.S.2/A440	2017
ASTM E1886	2019
ASTM E1996	2020
TAS 201	1994
TAS 202	1994
TAS 203	1994

Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted

10/16/2025

Date Validated

10/20/2025

Date Pending FBC Approval

10/22/2025

Date Approved

12/09/2025

Summary of Products

FL #	Model, Number or Name	Description
27970.1	Renewal by Andersen DG Series Double Hung Window (Non-Impact) (Non-HVHZ)	Renewal by Andersen DG Series Double Hung Window (Non-Impact) (Non-HVHZ)
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 Instructions and Product Evaluation Report for allowable design pressures, sizes, installation requirements and limits of use.		Installation Instructions FL27970_R6_II_AWD234_SS_2018-12-16.pdf Verified By: Hermes F. Norero, P.E. Florida P.E. 73778 Created by Independent Third Party: Yes Evaluation Reports FL27970_R6_AE_PER5531_SS_2018-08-17.pdf Created by Independent Third Party: Yes
27970.2	Renewal by Andersen Double Hung Window (HVHZ) (Impact)	Renewal by Andersen Double Hung Window (HVHZ) (Impact)
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: See Installation Instructions and Product Evaluation Report for allowable design pressures, sizes, installation requirements and limits of use.		Installation Instructions FL27970_R6_II_AWD291_SS_2025-10-10.pdf Verified By: Hermes F. Norero, P.E. Florida P.E. 73778 Created by Independent Third Party: Yes Evaluation Reports FL27970_R6_AE_PER10157_SS_2025-10-10.pdf Created by Independent Third Party: Yes

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Product Approval Accepts:

12/14/2018 5:21 PM

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ANDERSEN CORPORATION

RENEWAL BY ANDERSEN DG SERIES DOUBLE HUNG WINDOW (NON-IMPACT) (NON-HVHZ)

GENERAL NOTES:

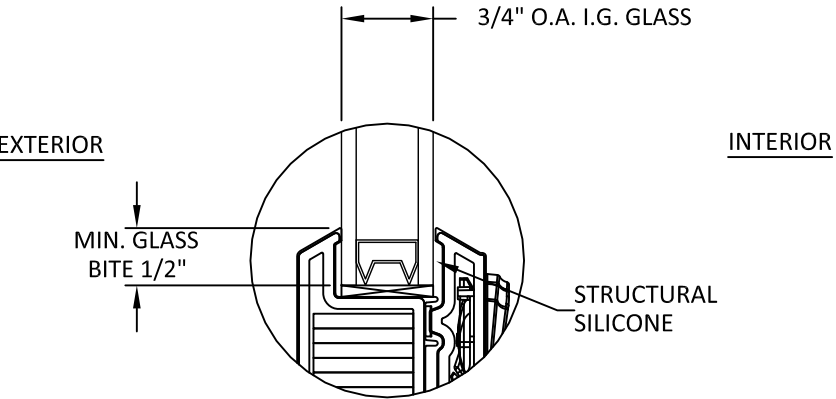
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), EXCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/I.S.2/A440-08/11
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL 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.
3. 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.
4. 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.
5. 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. IN HVHZ AREAS, ONE TIME PRODUCT APPROVAL TO BE OBTAINED FROM MIAMI-DADE RER OR AHJ.
6. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
7. WINDOW FRAME MATERIAL: FIBREX
8. 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.

SILL TYPE	MAX OVERALL SIZE		MAX D.L.O. SIZE			DESIGN PRESSURE	RATIO	CONFIG.	MISSILE IMPACT RATING
	WIDTH	HEIGHT	WIDTH	UPPER SASH	LOWER SASH				
FLAT OR SLOPE	32.0	76.0	25-15/16	33-3/8	33-3/8	+/-40	1:1	X/X	NON-IMPACT
	40.0	76.0	33-15-16	33-3/8	33-3/8				
	48.0	76.0	41-15/16	33-3/8	33-3/8				
	54.0	72.0	47-15/16	31-3/8	31-3/8	+/-30			
	40.0	96.0	33-15/16	43-3/8	43-3/8				
	48.0	96.0	41-15/16	43-3/8	43-3/8				
FLAT OR SLOPE	48.0	96.0	41-15/16	65-1/16	21-11/16	+/-40	3:1		
	40.0	76.0	33-15/16	50-1/16	16-11/16				
	54.0	72.0	47-15/16	47-1/16	15-11/16				

DESIGN PRESSURE UPGRADE RATING									
SILL TYPE	MAX OVERALL SIZE		MAX D.L.O. SIZE			DESIGN PRESSURE	RATIO	CONFIG.	MISSILE IMPACT RATING
	WIDTH	HEIGHT	WIDTH	UPPER SASH	LOWER SASH				
FLAT OR SLOPE	30.0	68.0	23-15/16	29-3/8	29-3/8	+50/-65	1:1	X/X	NON-IMPACT
	36.0	68.0	29-15/16	29-3/4	29-3/4				
	40.0	72.0	33-15/16	31-3/8	31-3/8				
FLAT	40.0	76.0	33-15/16	33-3/8	33-3/8				
SLOPE	40.0	75.3	33-15/16	33-2/5	33-2/5				
FLAT	36.0	62.0	29-15/16	26-3/8	26-3/8	+69/-81			
SLOPE	36.0	61.3	29-15/16	26-2/5	26-2/5				

- NOTES:
1. DP UPGRADE PRODUCT POSITIVE RATING IS DRIVEN BY STRUCTURAL ONLY. WATER IS NOT INCLUDED.
2. DP UPGRADE PRODUCT MUST BE INSTALLED THROUGH FRAME ONLY.

TABLE OF CONTENTS		
SHEET	REVISION	SHEET DESCRIPTION
1	A	INSTALLATION AND GENERAL NOTES
2	-	ELEVATIONS & ANCHOR LAYOUTS
3	-	ELEVATIONS & ANCHOR LAYOUTS
4	-	VERTICAL SECTIONS
5	-	VERTICAL SECTIONS
6	-	HORIZONTAL SECTIONS
7	-	INSTALLATION NOTES, REINFORCEMENT & ANCHOR DETAILS



GLAZING DETAIL 1

- NOTE:
1. GLASS TYPE THICKNESS SHALL COMPLY WITH ASTM E-1300 GLASS CHART REQUIREMENTS.
2. ALL GLAZING CONFIGURATIONS SHALL COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN CURRENT FBC
3. SETTING BLOCK SHOULD BE 70-90 DUROMETER AS PER CH 24 OF THE CURRENT FBC.
4. GLASS LITES THAT EXCEED 36" IN WIDTH SHALL USE SETTING BLOCKS AT 1/4 SPAN FROM CORNERS.



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TITLE:
DG SERIES DOUBLE HUNG 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
SIZE GRID UPDATE	HR	11.26.18

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Digitally signed by **Hermes F. Norero, P.E.**
Reason: I am approving this document
Date: 2018.12.16 19:37:54 -0500

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

FL #:
FL27970

DATE: **02.22.18**

DWG. BY: **RV** CHK. BY: **HFN**

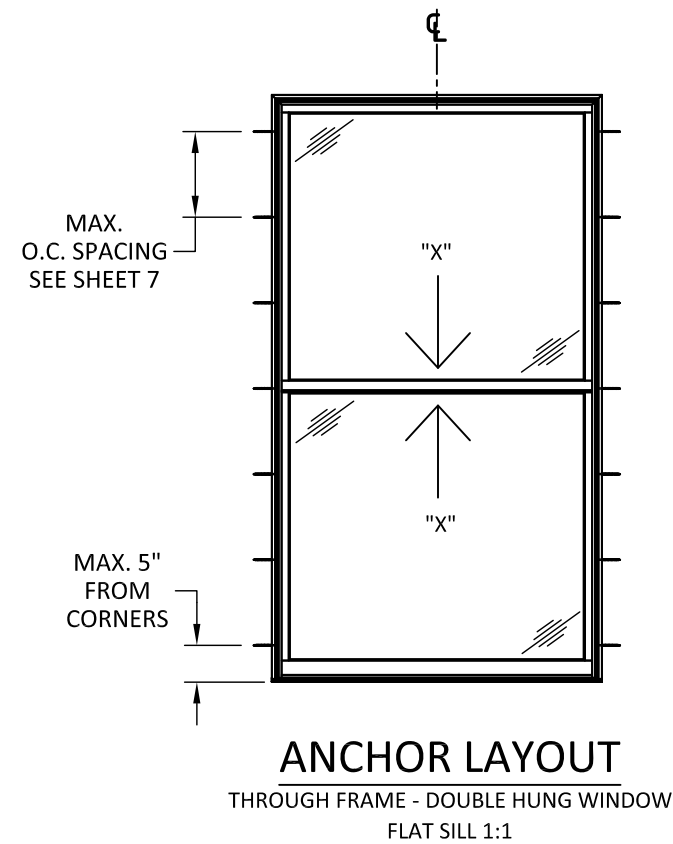
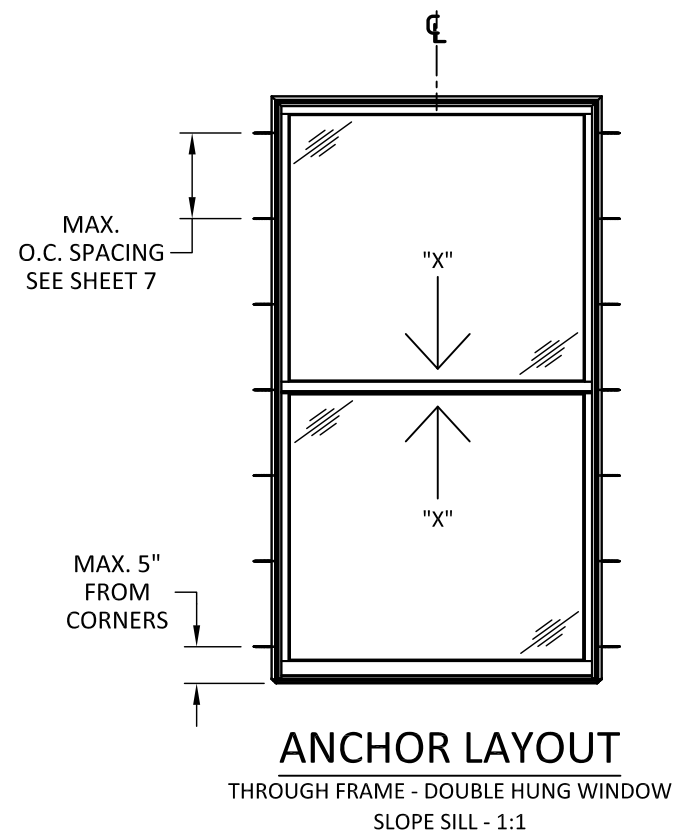
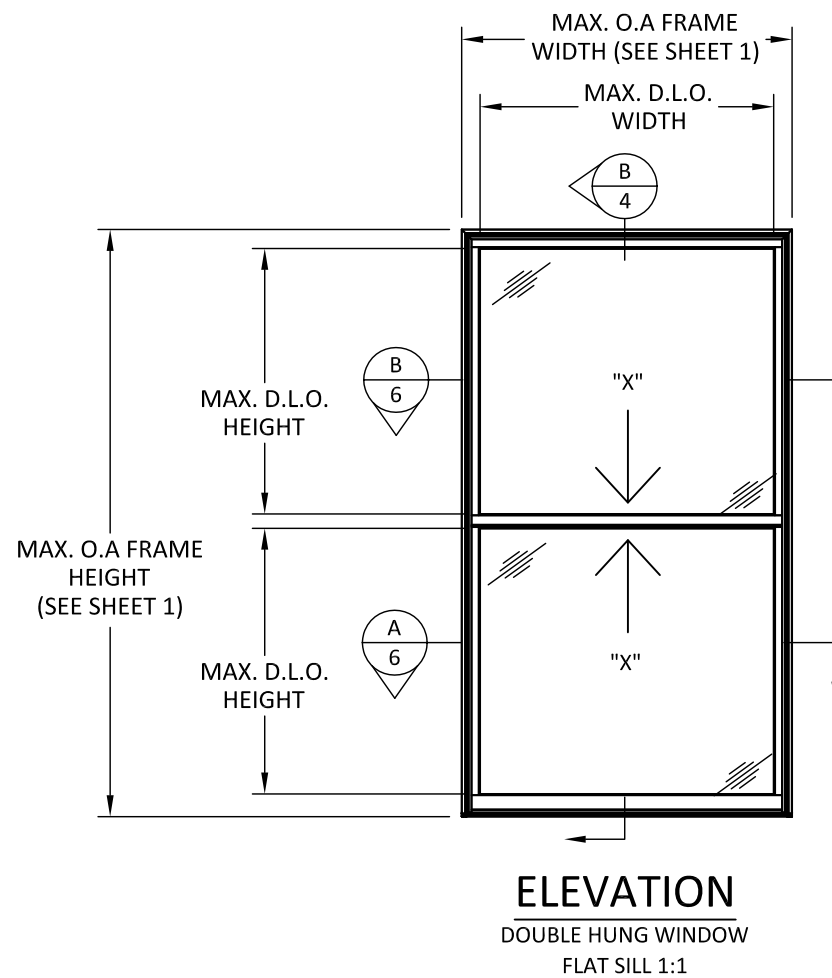
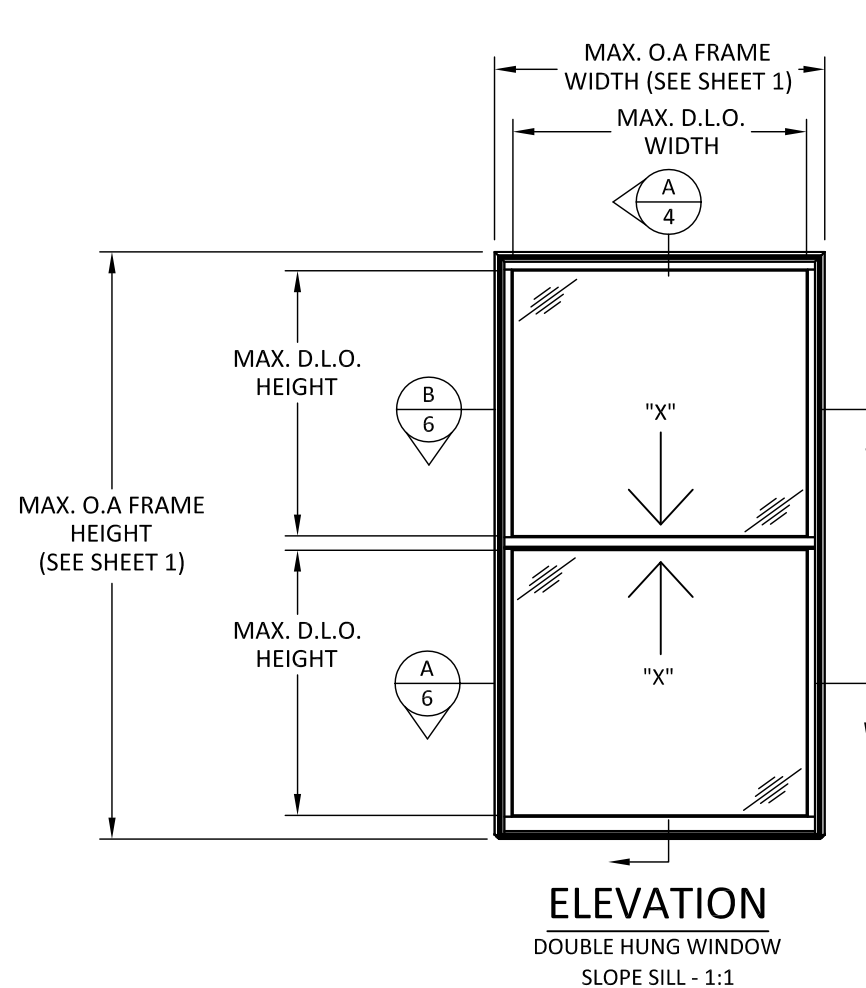
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DWG. #: **AWD234**

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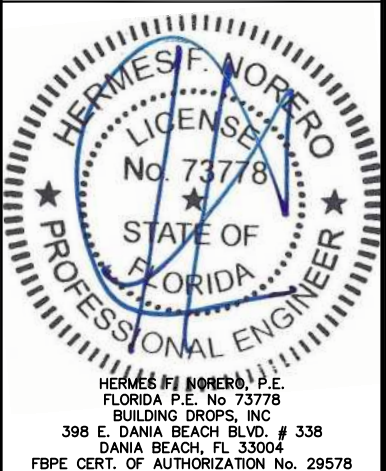
TITLE: DG SERIES DOUBLE HUNG WINDOW (NON-IMPACT)(NON-HVHZ) ELEVATIONS AND ANCHOR LAYOUTS

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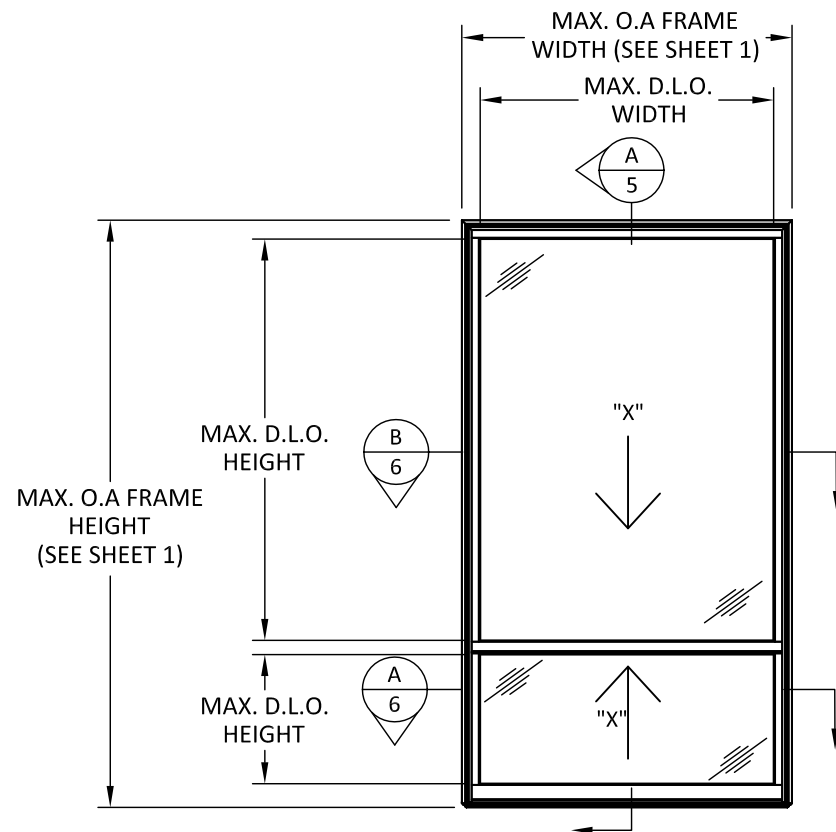
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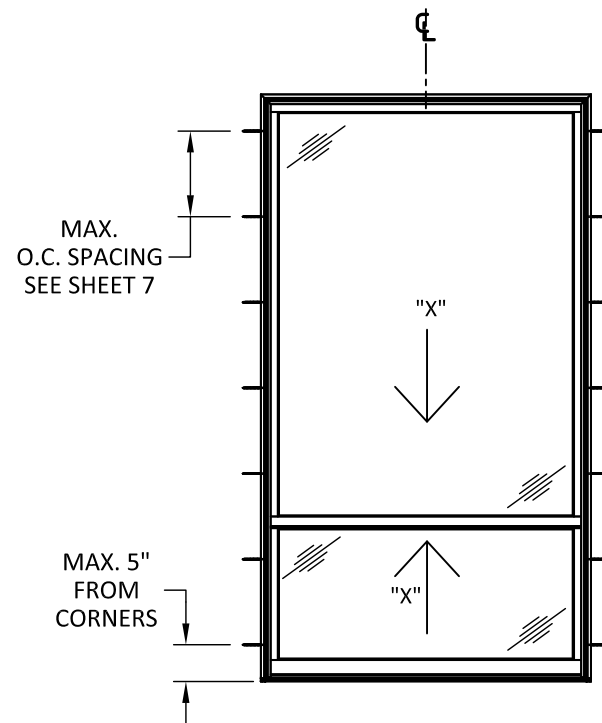
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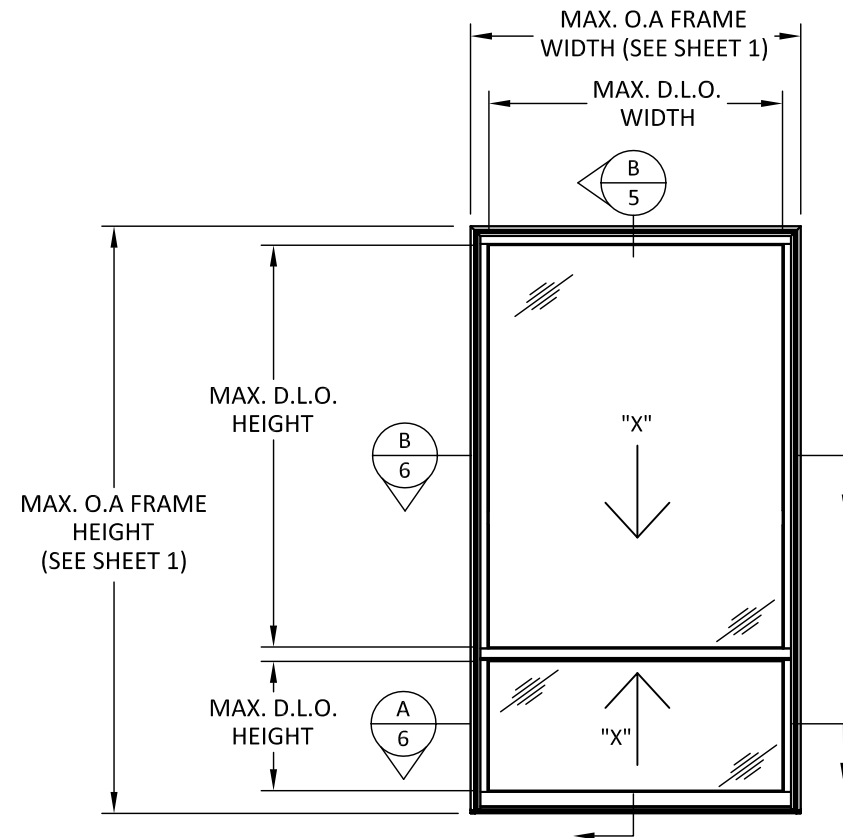
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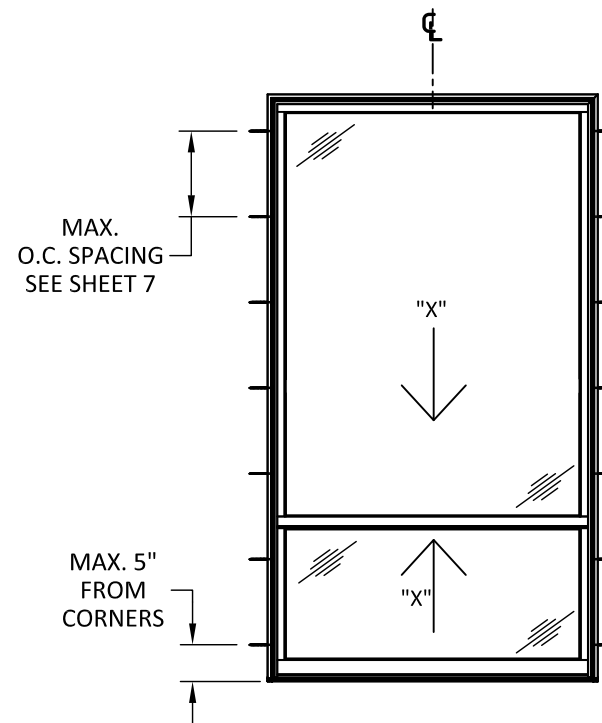
ELEVATION
DOUBLE HUNG WINDOW
SLOPE SILL - 3:1



ANCHOR LAYOUT
THROUGH FRAME - DOUBLE HUNG WINDOW
FLAT SILL 3:1



ELEVATION
DOUBLE HUNG WINDOW
FLAT SILL 3:1



ANCHOR LAYOUT
THROUGH FRAME - DOUBLE HUNG WINDOW
FLAT SILL 3:1



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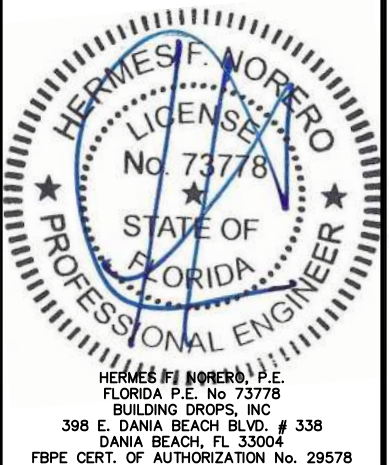
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SIZE GRID UPDATE	HR	11.26.18

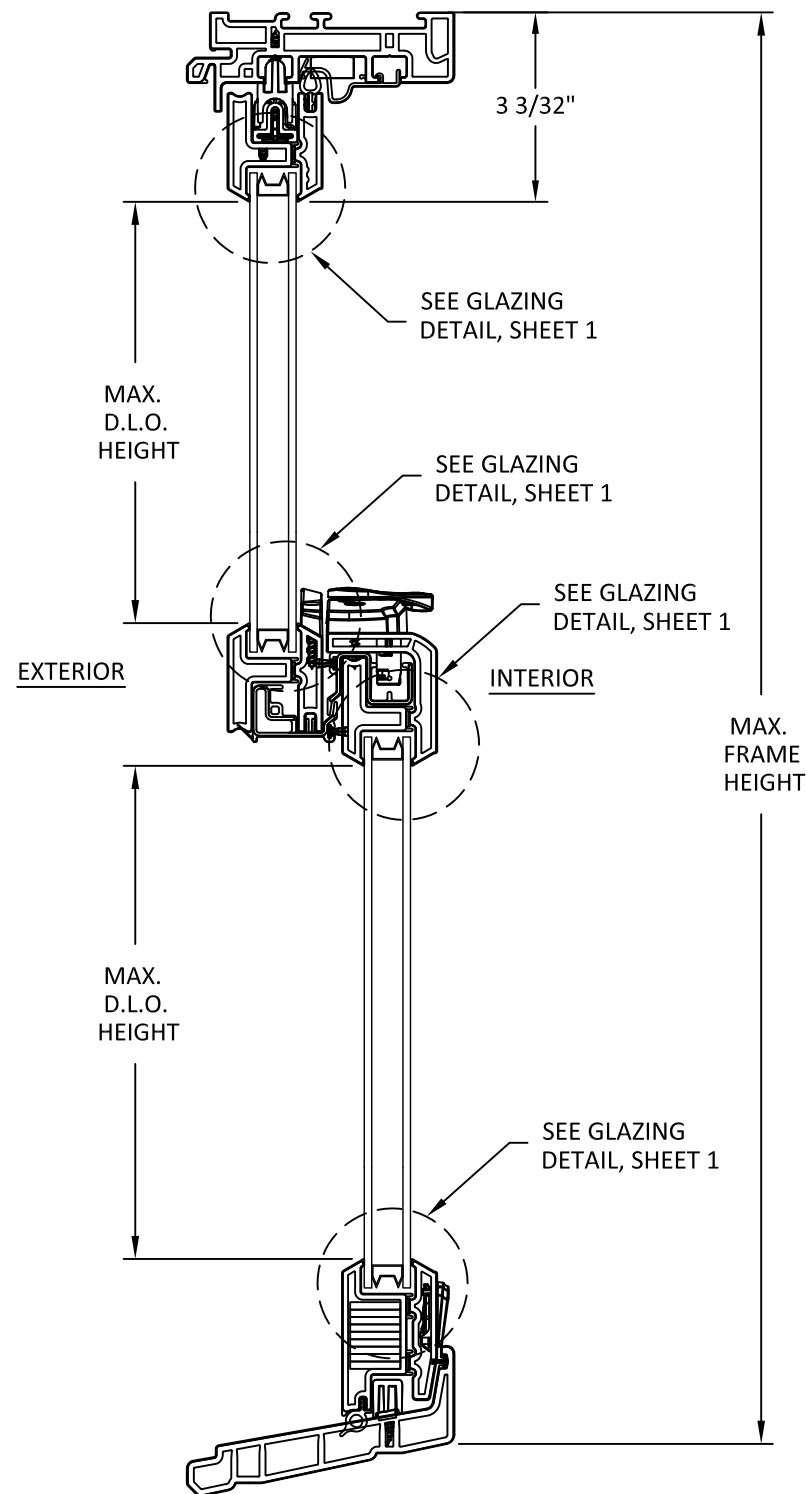
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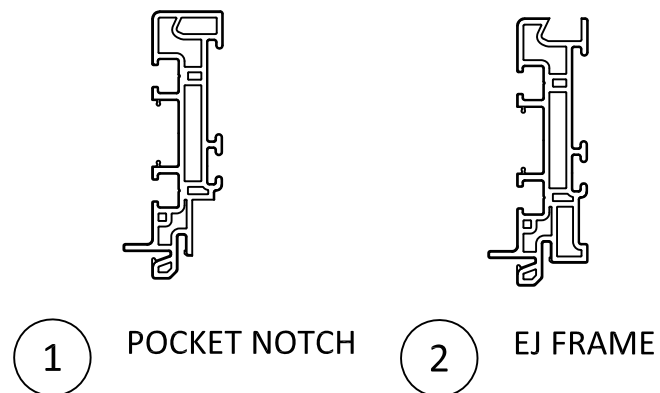
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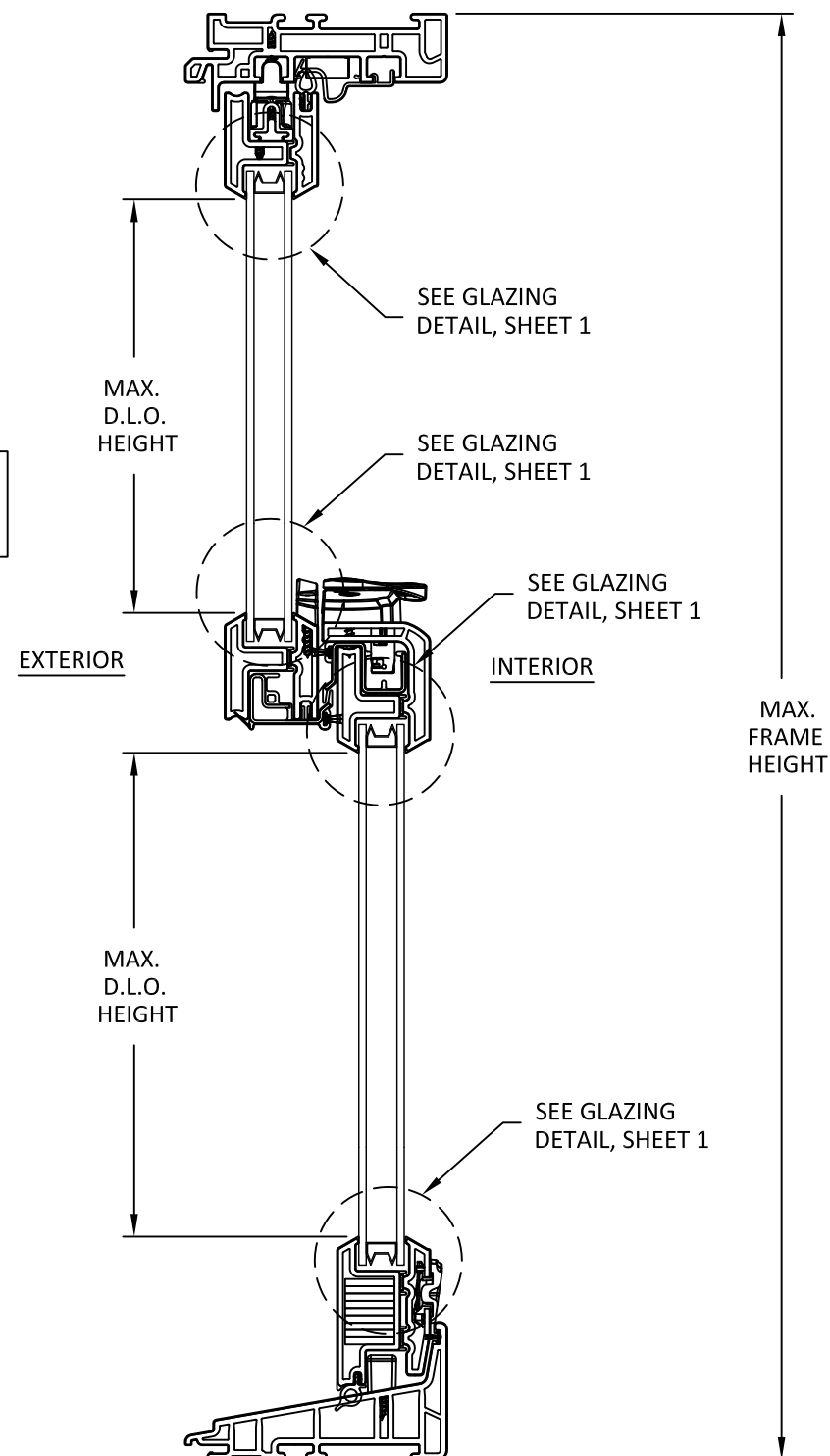
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A
4 **VERTICAL SECTION**
SLOPE SILL 1:1



NOTE:
1. THE PROFILES SHOWN ABOVE ARE ALSO QUALIFIED AS AN OPTION FOR USE OTHER THAN BASE FRAME AT THE HEAD.



B
4 **VERTICAL SECTION**
FLAT SILL 1:1



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TITLE: DG SERIES DOUBLE HUNG WINDOW (NON-IMPACT)(NON-HVHZ) VERTICAL SECTIONS

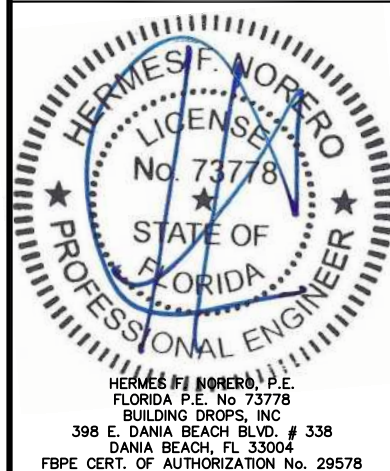
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REMARKS	BY	DATE
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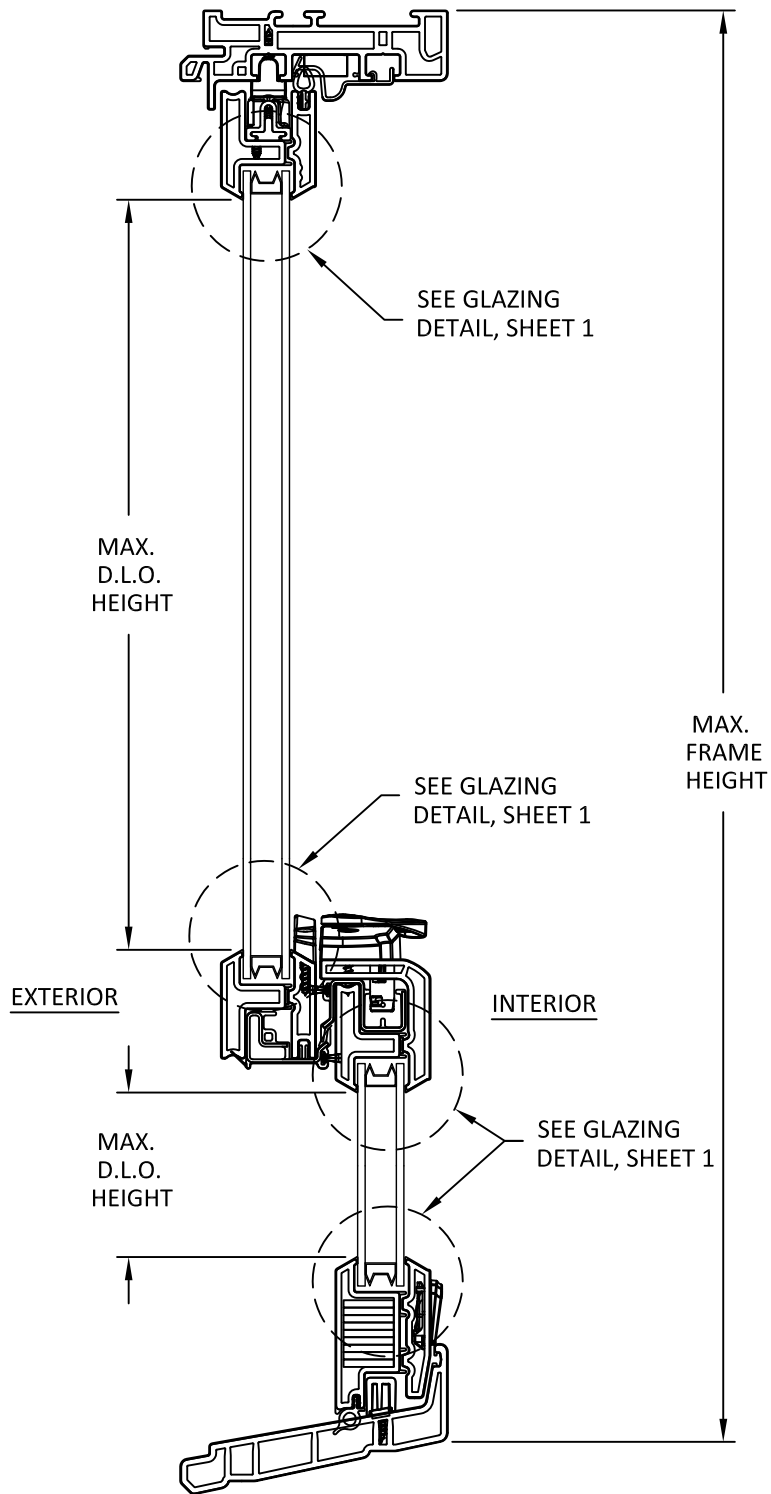
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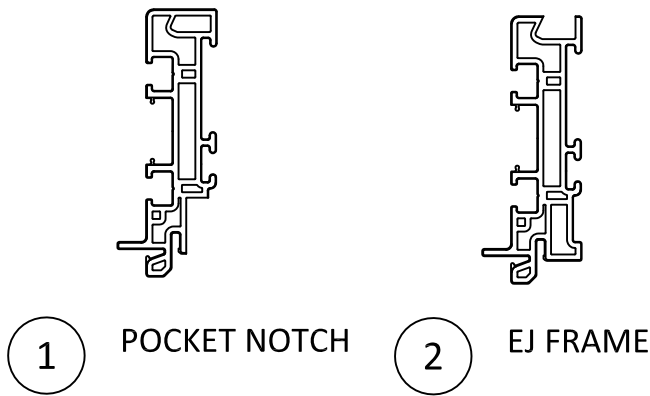
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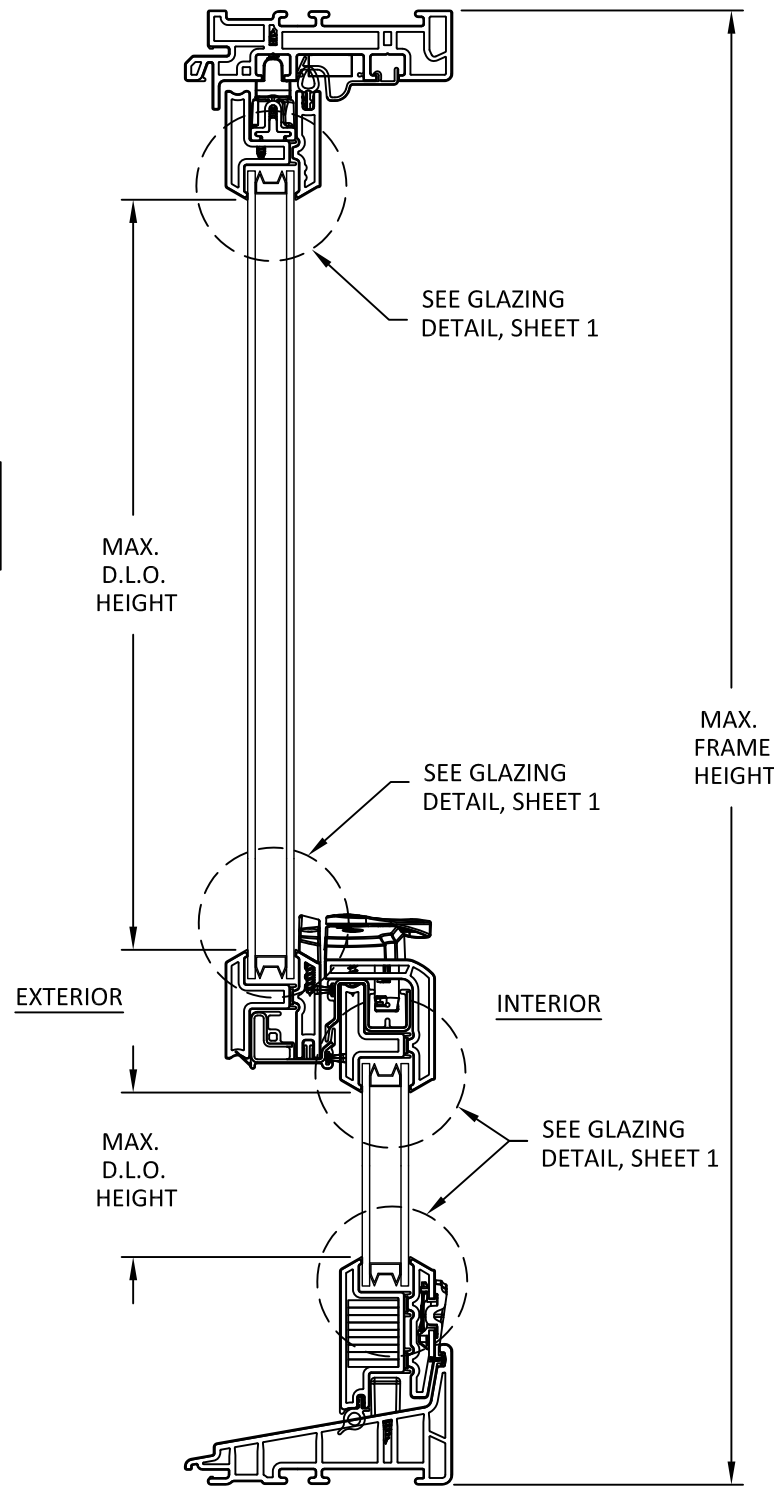
OF 7



A
5 **VERTICAL SECTION**
SLOPED SILL 3:1



NOTE:
1. THE PROFILES SHOWN ABOVE ARE ALSO QUALIFIED AS AN
OPTION FOR USE OTHER THAN BASE FRAME AT THE HEAD.



B
5 **VERTICAL SECTION**
FLAT SILL 3:1



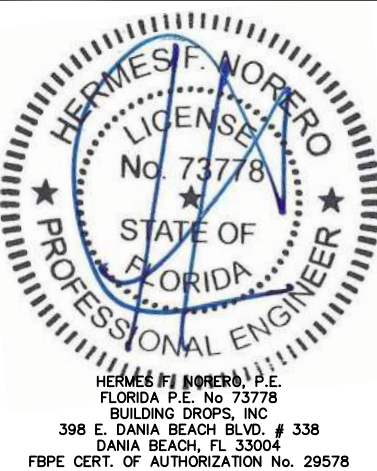
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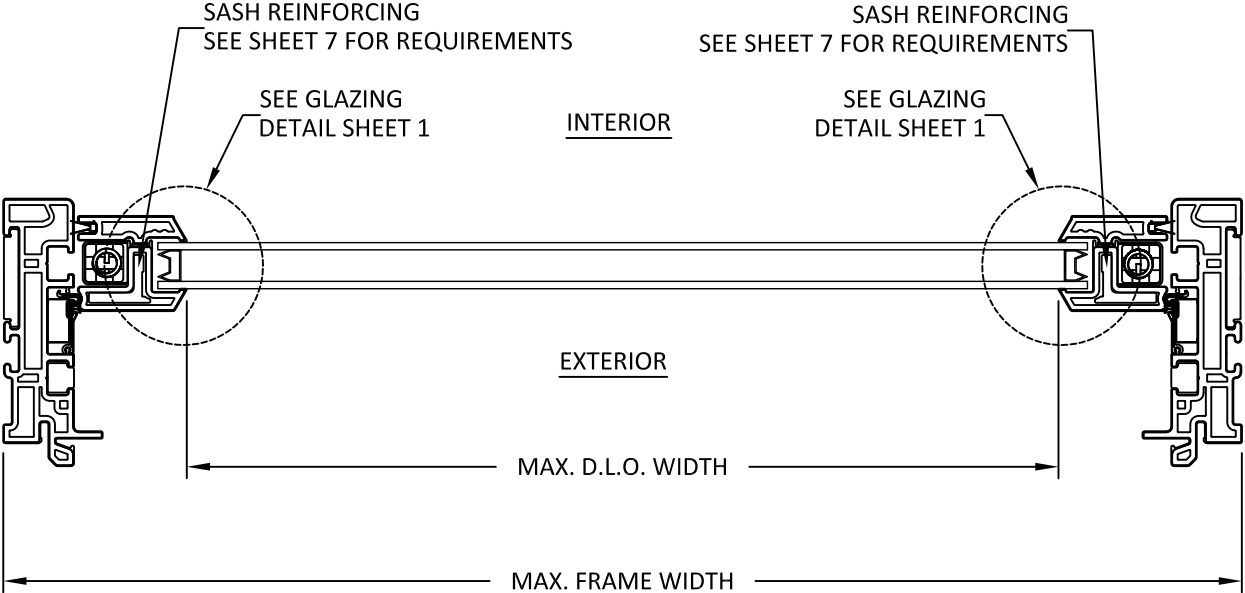
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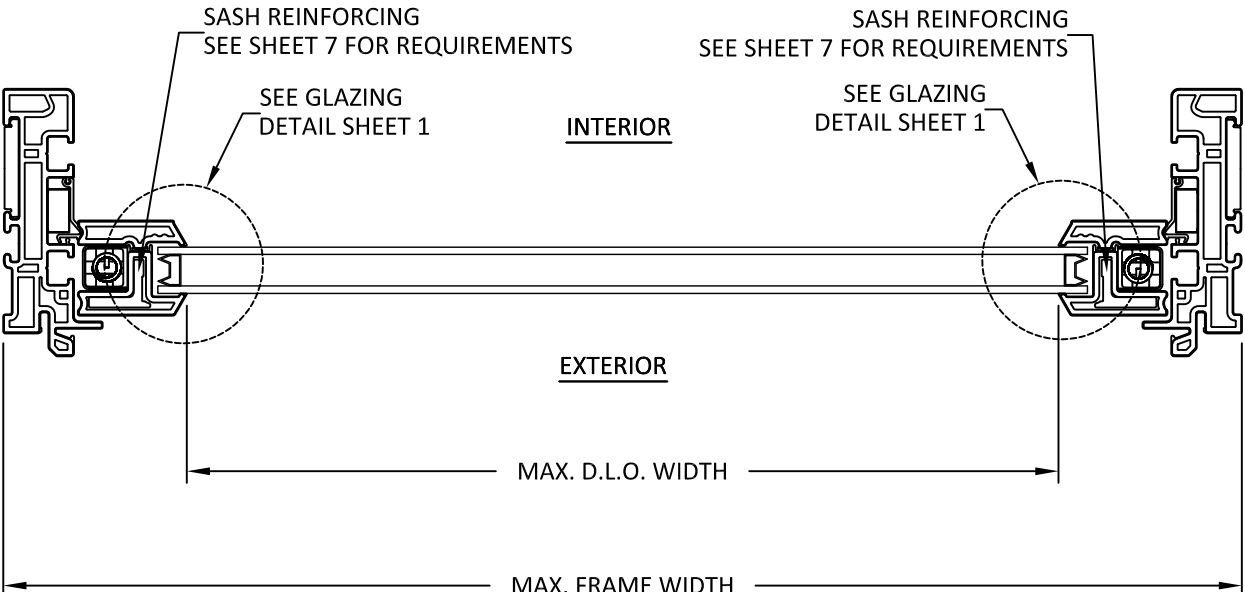
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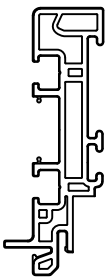
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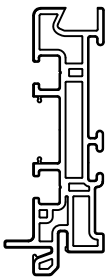
A
6 **HORIZONTAL SECTION**
LOWER SASH



B
6 **HORIZONTAL SECTION**
UPPER SASH



1 POCKET NOTCH



2 EJ FRAME

NOTE:
1. THE PROFILES SHOWN ABOVE ARE ALSO QUALIFIED AS AN
OPTION FOR USE OTHER THAN BASE FRAME



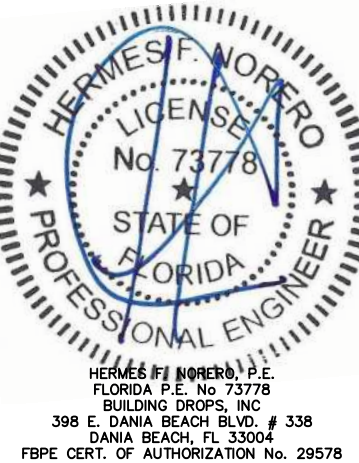
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TITLE: DG SERIES DOUBLE HUNG
WINDOW
(NON-IMPACT)(NON-HVHZ)
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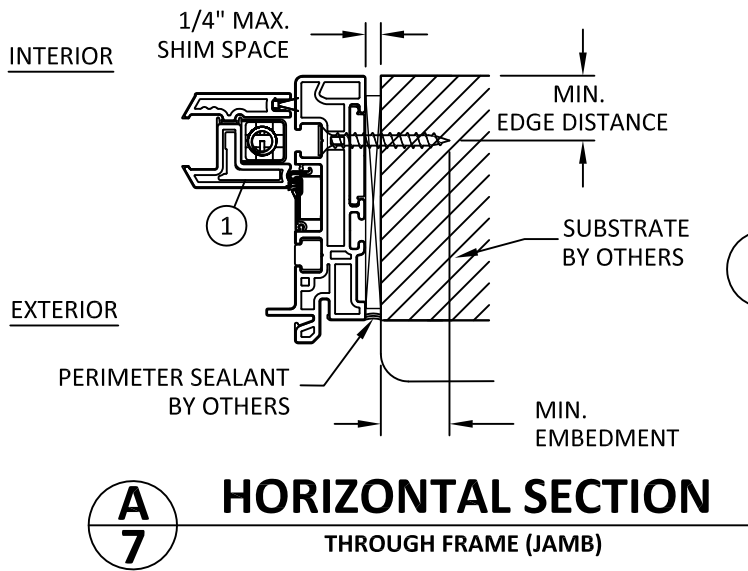
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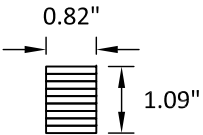
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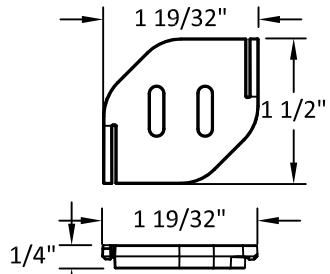
SHEET:
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1 MEETING RAIL, LOWER & UPPER SASH LVL



2 LVL REINFORCEMENT BOTTOM SASH LVL



DG JAMB SHIM

REINFORCEMENT DETAIL

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"
	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

Anchor Schedule - Max O.C. Spacing Standard Double Hung Grid, +/- 40 PSF				
	Width (in.)			
Height (in.)	24	36	48	
27	8.5	8.5	8.5	
36	13.0	13.0	13.0	
48	19.0	19.0	19.0	
60	24.0	24.0	16.7	
72	24.0	20.7	15.5	
76	24.0	22.0	16.5	

Anchor Schedule - Max O.C. Spacing DP Upgrade Double Hung Grid, +50/-65 PSF				
	Width (in.)			
Height (in.)	24	32	40	
27	8.5	8.5	8.5	
36	13.0	13.0	13.0	
48	19.0	12.7	12.7	
60	24.0	16.7	12.5	
72	20.7	15.5	12.4	
76	22.0	13.2	11.0	

Anchor Schedule - Max O.C. Spacing DP Upgrade Double Hung Grid, +69/-81 PSF				
	Width (in.)			
Height (in.)	36			
62	16.5			

Anchor Schedule - Max O.C. Spacing Standard Double Hung Grid, +/- 30 PSF				
	Width (in.)			
Height (in.)	24	36	48	54
27	-	-	-	17.0
36	-	-	-	24.0
48	-	-	-	19.0
60	-	-	-	16.7
72	-	-	-	20.7
76	-	-	-	-
84	24.0	24.0	24.0	
96	24.0	24.0	21.5	

Anchor Schedule - Max O.C. Spacing Fixed Upper Sash Double Hung Grid (INSERT AND BASE FRAME), +/- 40 PSF				
	Width (in.)			
Height (in.)	24	36	48	54
27	8.5	8.5	8.5	8.5
36	13.0	13.0	13.0	13.0
48	19.0	19.0	19.0	12.7
60	24.0	24.0	16.7	12.5
72	24.0	20.7	15.5	15.5
76	24.0	22.0	16.5	
84	24.0	24.0	14.8	
96	24.0	21.5	17.2	

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
- 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.
- 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.
- DG JAMB SHIM TO BE USED BETWEEN THE FRAME AND THE 1/4 INCH. SHIM STACK.
- 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.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- 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.
- 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.



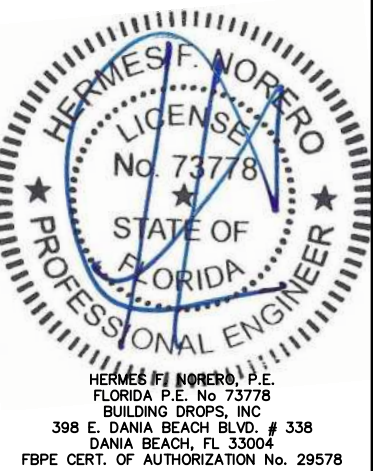
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