



Product Approval

USER: Public User

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SECRETARY

FL #

FL19563-R6

Application Type

Affirmation

Code Version

2023

Application Status

Approved

Comments

Archived



Product Manufacturer

Andersen Corporation

Address/Phone/Email

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Authorized Signature

Alan Barstad

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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_R6_COI_COI Andersen SS 2021-10-18.pdf](#)

Referenced Standard and Year (of Standard)

Standard

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

Year

2008

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

2011

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

2017

ASTM E1886

2013

ASTM E1996	2017
TAS 201	1994
TAS 202	1994
TAS 203	1994

Equivalence of Product Standards
Certified By

Sections from the Code

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

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

[FL19563_R6_COA_SA19563_SS_2023-06-19.pdf](#)

Product Approval Method

Method 1 Option D

Date Submitted	08/08/2023
Date Validated	08/08/2023
Date Pending FBC Approval	
Date Approved	08/10/2023
Date Revised	08/27/2024

Summary of Products

FL #	Model, Number or Name	Description
19563.1	Renewal by Andersen Glider Window (Non-HVHZ) (Non-Impact)	<p>Renewal by Andersen Glider Window (Non-HVHZ) (Non-Impact)</p> <p>Limits of Use</p> <p>Approved for use in HVHZ: No</p> <p>Approved for use outside HVHZ: Yes</p> <p>Impact Resistant: No</p> <p>Design Pressure: N/A</p> <p>Other: See Installation Details and Evaluation Report for allowable design pressures, sizes, configurations, installation requirements and limits of use.</p> <p>Installation Instructions FL19563_R6_II_AWD243_SS_2018-12-17.pdf Verified By: Hermes F. Norero, P.E. FL PE No. 73778 Created by Independent Third Party: Yes</p> <p>Evaluation Reports FL19563_R6_AE_PER5898_SS_2018-12-16.pdf Created by Independent Third Party: Yes</p>
19563.2	Renewal by Andersen Glider Windows (HVHZ) (Impact)	<p>Renewal by Andersen Glider Windows (HVHZ) (Impact)</p> <p>Limits of Use</p> <p>Approved for use in HVHZ: Yes</p> <p>Approved for use outside HVHZ: Yes</p> <p>Impact Resistant: Yes</p> <p>Design Pressure: +60/-70</p> <p>Other: See Installation Details and Evaluation Report for allowable sizes, configurations, installation requirements and limits of use.</p> <p>Installation Instructions FL19563_R6_II_AWD322_SS_2022-10-13.pdf Verified By: Hermes F. Norero, P.E. Florida P.E. 73778 Created by Independent Third Party: Yes</p> <p>Evaluation Reports FL19563_R6_AE_PER8163_SS_2022-10-13.pdf Created by Independent Third Party: Yes</p>

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

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Product Evaluation Report

of

**Andersen Corporation
Renewal by Andersen Glider Windows**

for

Florida Product Approval

FL# FL19563

Report No. 5898

Current Florida Building Code

Method: 1 – D (Engineering Evaluation)

Category: Windows

Sub – Category: Glider Window

Product: *Renewal by Andersen Glider Windows*

Material: Fibrex® & PVC

Product Dimensions: See installation instructions, AWD243

Prepared For:

Andersen Corporation

100 4th Ave. N

Bayport, Minnesota 55003

Prepared by:

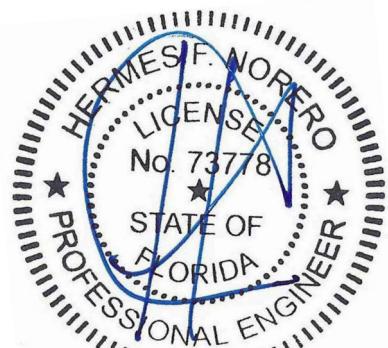
Hermes F. Norero, P.E.

Florida Professional Engineer # 73778

Date: 12/15/18

Contents:
Evaluation Report Pages 1 – 4

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2018.12.16 18:10:20 -05'00'



Hermes F. Norero, P.E.
Florida No. 73778



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Certificate of Authorization: 29578

FL#: **FL19563**

Date: 12/15/18

Report No: 5898

Manufacturer: **Andersen Corporation**

Product Category: Windows

Product Sub-Category: Glider Window

Compliance Method: State Product Approval Method (1)(d)

Product Name: Renewal Glider Windows

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Andersen Corporation** based on Method 1d of the State of Florida Product Approval, Florida Department of Business and Professional Regulation - Florida Building Commission.

Hermes F. Norero, P.E. does not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

This product has been evaluated for use in locations adhering to the Current Florida Building Code.

See Installation Instructions **AWD243**, signed and sealed by Hermes F. Norero, P.E. (FL # 73778) for specific use parameters.

Limits of Use:

1. This product has been evaluated and is in compliance with the Current Florida Building Code, excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment into substrate material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product complies with Chapter 16 of the Current Florida Building Code and does require an impact resistant covering.
4. Site conditions that deviate from the details of drawing **AWD243** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **AWD243** for size and design pressure limitations.

Hermes F. Norero, P.E.

Florida No. 73778

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FL#: FL19563

Date: 12/15/18

Report No: 5898

Quality Assurance:

The manufacturer has demonstrated compliance of products in accordance with the Florida Building Code for manufacturing under a quality assurance program audited by an approved quality assurance entity through **Window and Door Manufacturers Association** (FBC Organization #: QUA2515).

Performance Standards:

The product described herein has been tested per:

- AAMA/WDMA/CSA 101/I.S.2/A440-08/11

Referenced Data:

1.	Product Testing performed by Architectural Testing (FBC Organization # TST1795)
	D2720.01-201-47-R0 01/06/14
	D2720.02-201-47-R0 01/06/14
	D2721.01-201-47-R0 01/06/14
	D2721.02-201-47-R0 01/06/14
	D2722.01-201-47-R0 01/06/14
	D2722.02-201-47-R0 01/06/14
	D3502.02-201-47-R0 01/06/14
	D3502.01-201-47-R0 01/06/14
	D3503.01-201-47-R0 01/06/14
	D3503.02-201-47-R0 01/06/14
	D3499.01-201-47-R0 01/06/14
	D3499.02-201-47-R0 01/06/14
	D3500.01-201-47-R0 01/06/14
	D3500.02-201-47-R0 01/06/14
	D3501.01-201-47-R0 01/06/14
	D3501.02-201-47-R0 01/06/14
	D2724.01-201-47-R0 01/06/14
	D2724.02-201-47-R0 01/06/14
	D2730.01-201-47-R0 01/06/14
	D2730.02-201-47-R0 01/06/14
	D3498.01-201-47-R0 01/06/14
	D3498.02-201-47-R0 01/06/14
	D2733.01-201-47-R0 01/06/14
	D2733.02-201-47-R0 01/06/14
	D2726.01-201-47-R0 01/06/14
	D2726.02-201-47-R0 01/06/14

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Florida No. 73778

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D2728.01-201-47-R0	01/06/14
D2728.02-201-47-R0	01/06/14
D2734.01-201-47-R0	01/06/14
D2734.02-201-47-R0	01/06/14
D2736.01-201-47-R0	01/06/14
D2736.02-201-47-R0	01/06/14
D2727.01-201-47-R0	01/06/14
D2727.02-201-47-R0	01/06/14
D2729.01-201-47-R0	01/06/14
D2729.02-201-47-R0	01/06/14
D2735.01-201-47-R0	01/06/14
D2735.02-201-47-R0	01/06/14
D2737.01-201-47-R0	01/06/14
D2737.02-201-47-R0	01/06/14

2. Product Testing performed by **Intertek**
(FBC Organization # TST1795)

I9389.01-201-47	12/10/18
I9393.01-201-47	12/11/18
I9398.01-201-47	12/10/18
I9388.01-201-47	12/10/18
I9392.01-201-47	12/10/18
I9397.01-201-47	12/10/18
I9390.01-201-47	12/10/18
I9396.01-201-47	12/11/18
I9301.01-201-47	12/10/18
I9394.01-201-47	12/11/18
I9300.01-201-47	12/10/18

3. Quality Assurance
Window and Door Manufacturers Association
(FBC Organization #: QUA2515)

Installation:

Refer to Installation Instructions (**AWD243**) for anchor type, embedment, edge distance and anchor spacing details.

Design Pressure:

Refer to Installation Instructions (**AWD243**) for design pressures based on unit construction, size, and configuration.



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AVENTURA, FL 33180

ANDERSEN CORPORATION

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

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

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/J1.5/2/A440-08/11
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE, MASONRY, 2X FRAMING, AND METAL FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM APPLIED OF WITHSTANDING AND TRANSFERRING THE 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 $\pm 1/4$ 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 FACTUAL 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 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
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:

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

TABLE OF CONTENTS

SHEET / REVISION

ELEVATIONS

GENERAL NOTES & GLAZING DETAIL

PREPARED BY:



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FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL19563

DATE: 11-07-18

DWG. BY: RV

CHK. BY: HFN

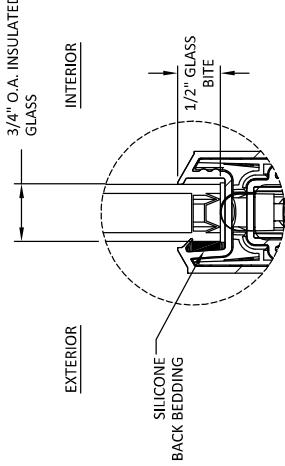
SCALE: NTS

DWG. #: AWD243

SHEET:

1

OF 9



GLAZING DETAIL

- GLAZING NOTES:
- GLASS TYPE & THICKNESS SHALL COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE 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.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN DESIGN PRESSURE TABLES ON SHEET 1.

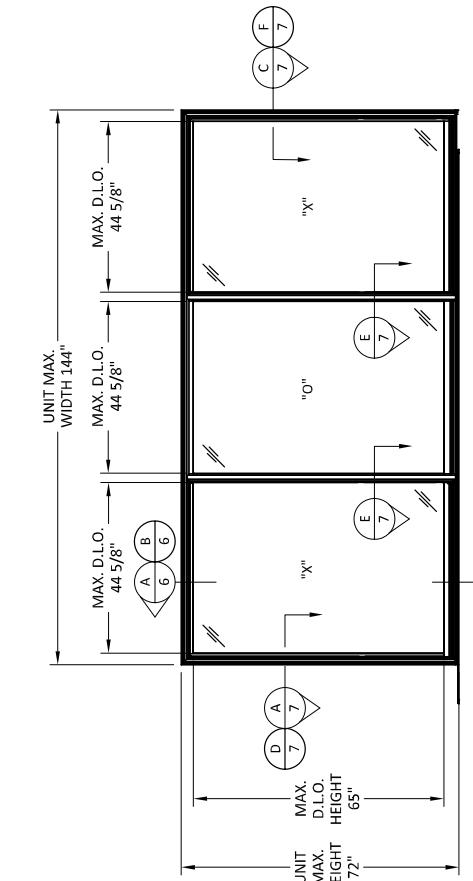


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398 E. DAVIN BEACH BLVD., SUITE 338
MAILING ADDRESS: P.O. BOX 3304
TITLE: RENEWAL SERIES GLASS DROPS
(NON-HVHZ)
ELEVATIONS
PREPARED BY:
BUILDING DROPS, INC.

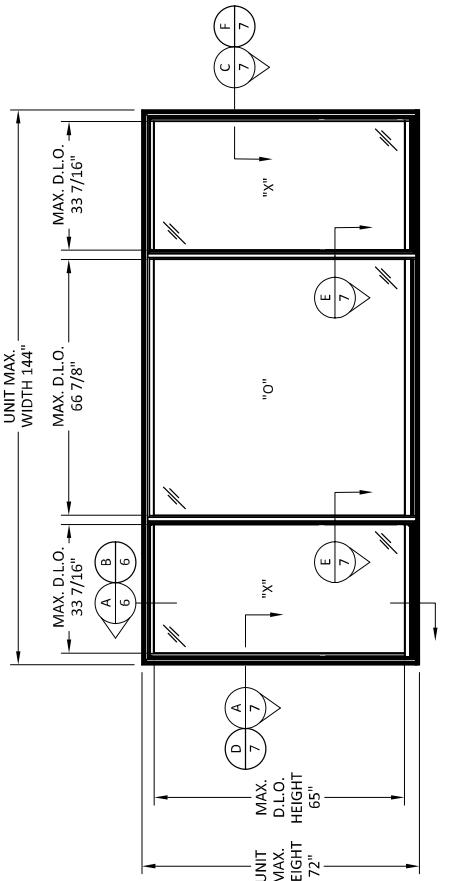
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BY DATE

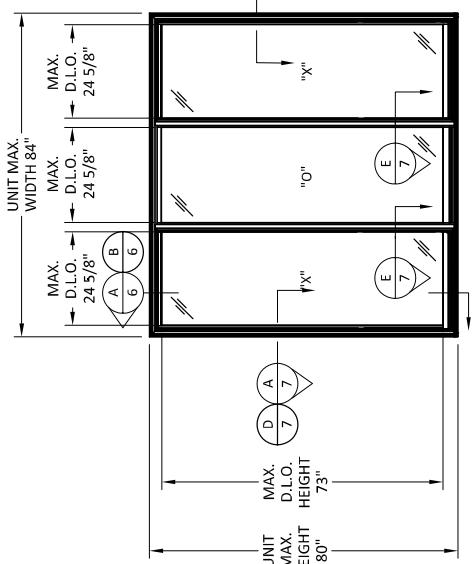


ELEVATION
144" X 84" XOX UNIT
1:1:1 SASH RATIO

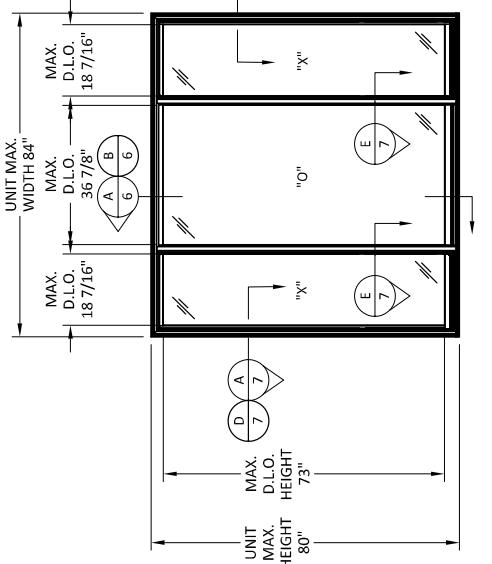
NOTE: ALTERNATE MEETING STILE LOCATIONS MAY BE USED SUCH THAT MAX. D.L.O. DIMENSIONS SHOWN HEREIN ARE NOT EXCEEDED.



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



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



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

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

FL# : FL19563
DATE: 11.07.18
DWG. BY: RV
CHK. BY: HFN
SCALE: NTS
DWG. #: AWD243
SHEET: 3 OF 9

FL# : FL19563
DATE: 11.07.18
DWG. BY: RV
CHK. BY: HFN
SCALE: NTS
DWG. #: AWD243
SHEET: 3 OF 9



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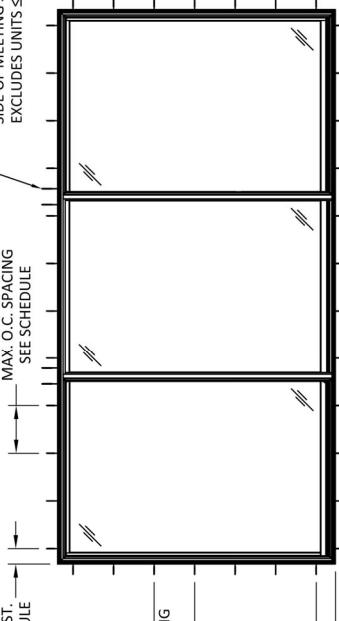
BUILDING DROPS, INC.
ANCHOR LAYOUTS
RENEWAL SERIES GLIDER
(NON-HVHZ)
WINDOW (NON-IMPACT)

PREPARED BY:
TITLE:

REMARKS:

BY DATE:

TWO INSTALLATION ANCHORS (SEE
INSTALL NOTES 7-9, SHEET 1) AT
MEETING STILE END LOCATIONS
THROUGH HEAD, SPACED 2.5" ON EACH
SIDE OF MEETING STILE.
EXCLUDES UNITS ≤ 36" X 48"

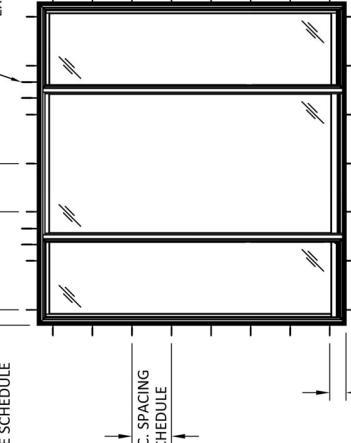


TYPICAL ANCHOR LAYOUT

XOX GLIDER

1:1.1 SASH RATIO

TWO INSTALLATION ANCHORS (SEE
INSTALL NOTES 7-9, SHEET 1) AT
MEETING STILE END LOCATIONS (SEE
THROUGH HEAD, SPACED 2.5" ON EACH
SIDE OF MEETING STILE.
EXCLUDES UNITS ≤ 36" X 48"



TYPICAL ANCHOR LAYOUT

XOX GLIDER

1:1.1 SASH RATIO

ALL METHODS OF INSTALLATION REQUIRE
A CONTINUOUS ½" 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)
NAIL FIN	NAIL FIN	3.5	3.5	3.5	3.5
INSTALLATION CLIP	THROUGH FRAME	5.5	14.5	14.5	16
"XOX" GLIDER	"XOX" GLIDER	5.5	10.375	SEE NOTES	21.5
INSTALLATION CLIP	THROUGH FRAME	5.5	3.5	3.5	3.5

INSTALLATION NOTES:

- FOR THROUGH FRAME INSTALLATIONS, INSTALLATION CLIPS MUST BE USED AT THE SILL IN LIEU OF FASTENERS THROUGH THE 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 108" X 64"	GLIDER	74" X 64"	56" X 48"	5.5	9
XOX 108" X 72"	GLIDER	108" X 64"	74" X 64"	5.5	9

INSTALLATION NOTES:

- DP UPGRADE PRODUCTS WHEN ANCHORING WITH ¾" 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.

FL19563

DATE: 11.07.18

DWG. BY: RV

CHK. BY: HFN

SCALE: NTS

DWG. #: AWD243

SHEET:

5

OF 9



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PREPARED BY:
BUILDING DROPS, INC.
VERTICAL SECTIONS
TITLE: RENEWAL SERIES GLIDING
WINDOW (NON-IMPACT)



REMARKS

BY DATE

REMARKS
NOTICE: THE INFORMATION CONTAINED IN THIS DOCUMENT IS CONFIDENTIAL AND MAY NOT REFLECT ACTUAL CONDITIONS EXISTING AT THE SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEPART FROM THE REQUIREMENTS STATED HEREIN, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER OF RECORDS FOR USE WITH THIS DOCUMENT.



FL 28578
REG'D PROFESSIONAL ENGINEER
NO. 73778
STATE OF FLORIDA
DANA BEACH, INC.
398 E. DANA BEACH BLVD., STE 338
ADINA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 28578

FL #: FL19563

DATE: 11.07.18

DWG. BY: RV CHK. BY: HFN

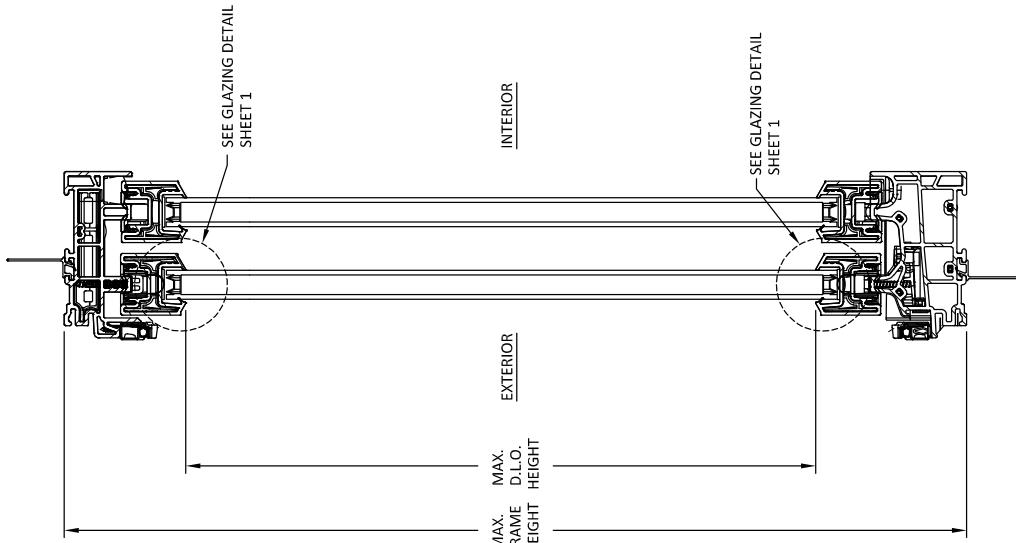
SCALE: NTS

DWG. #: AWD243

SHEET:

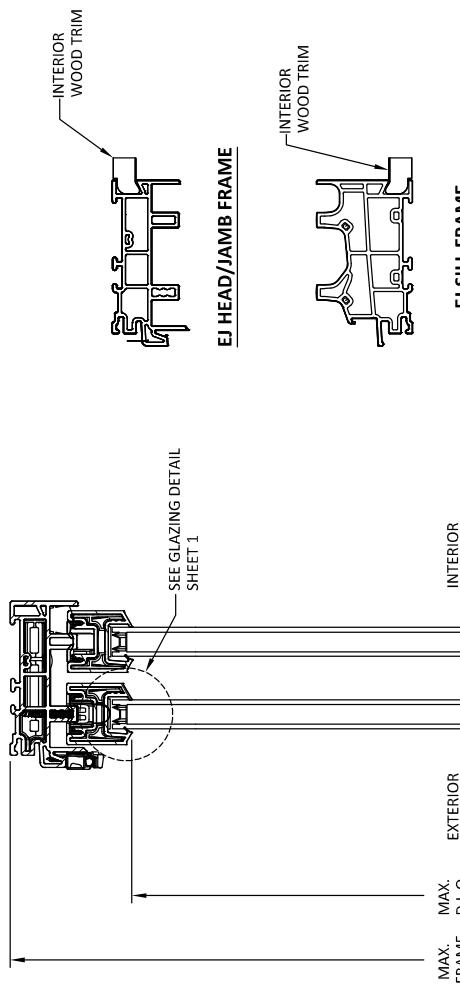
6

OF 9



ALTERNATE EJ FRAME

MAY BE USED AS EQUAL ALTERNATE FRAME TYPE



A VERTICAL SECTION

6 THROUGH FRAME AND THROUGH CLIP INSTALLATION

B VERTICAL SECTION
6 NAIL FIN INSTALLATION

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



WINDOWS & DOORS

100 FORTUNATE NORTH
BROOKFIELD, WI 53025-2096
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WEB: www.buildingdrops.com
FAX: (954) 744-4738
PH: (954) 744-3304
398 E. DANA BEACH BLVD., STE 338
NON-HVHZ
RENEWAL SERIES GLULINE
WINDOW (NON-IMPACT)



PREPARED BY:

ANCHOR DETAILS

SUBSTRATE

BY OTHERS

MIN.

SPACING

MIN.

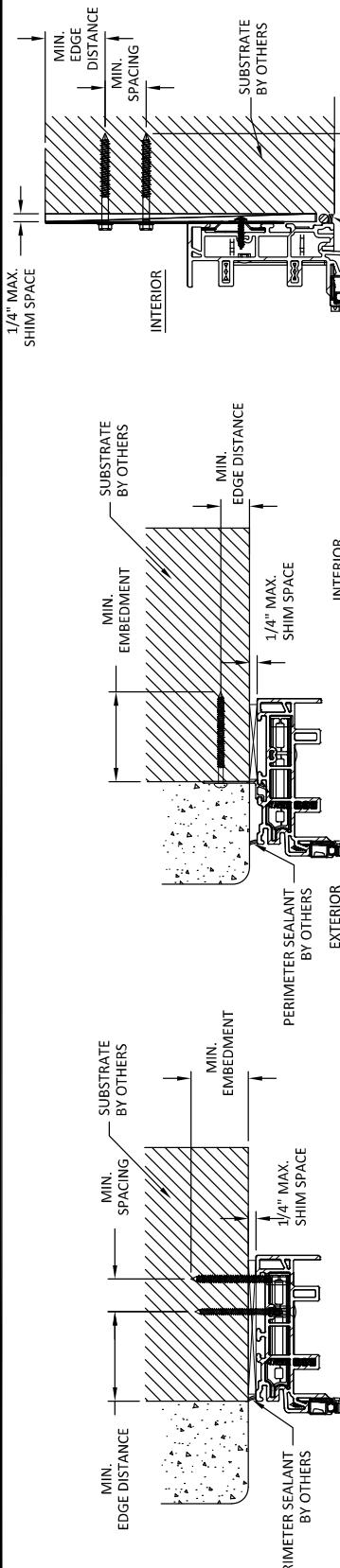
EDGE DISTANCE

MIN.

EMBEDMENT

MIN.

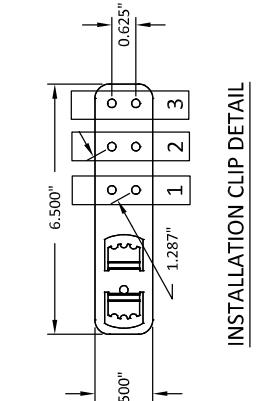
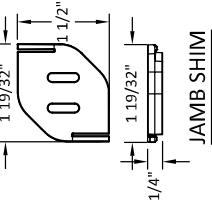
SHIM SPACE



A ACTIVE SASH MEETING STILE
REINFORCEMENT DETAIL
8



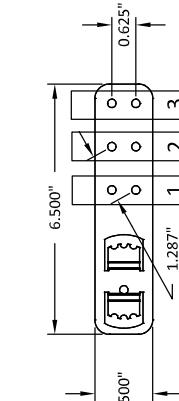
B PASSIVE/STATIONARY SASH MEETING STILE REINFORCEMENT DETAIL
8



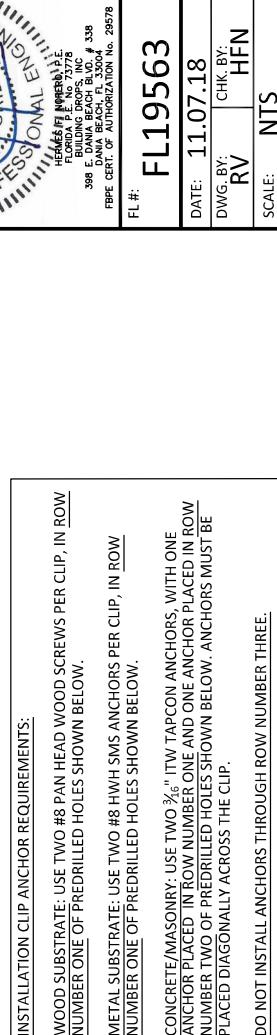
C INSTALLATION CLIP DETAIL
8

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 $\frac{3}{16}$ " TTW 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.	

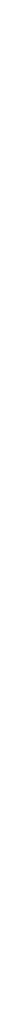
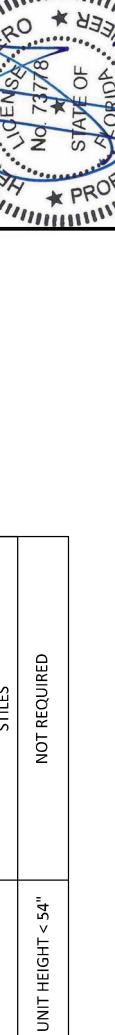
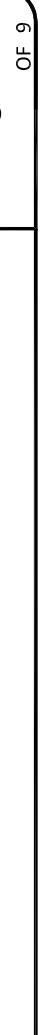
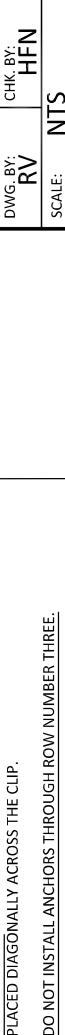
D PASSIVE/STATIONARY SASH MEETING STILE REINFORCEMENT DETAIL
8



E ACTIVE SASH MEETING STILE REINFORCEMENT DETAIL
8



F PASSIVE/STATIONARY SASH MEETING STILE REINFORCEMENT DETAIL
8





WINDOWS & DOORS
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398 E. DANA BEACH BLVD., STE 338
AVENTURA, FL 33180-3004



PREPARED BY:

TITLE:

ANCHOR SCHEDULE

RENEWAL SERIES GLIDING DOORS
(NON-VH/VHZ)
RENEWAL SERIES GLIDING DOORS
(NON-IMPACT)

INSTALLATION NOTES &
ANCHOR SCHEDULE

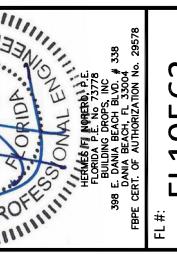
REMARKS

BY

DATE

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

NOTICE: THESE SPECIFICATIONS ARE FOR THE USE OF PROFESSIONAL CONTRACTORS ONLY AND MAY NOT REFLECT ACTUAL CONDITIONS AT A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEPART FROM THE REQUIREMENTS SET FORTH HEREIN, THE CONTRACTOR IS RESPONSIBLE FOR DESIGNING AN ALTERNATE METHOD OF INSTALLATION THAT IS IN ACCORDANCE WITH THIS DOCUMENT.



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DWG. #: AWD243

SHEET:

9

- 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 $\pm 1/4$ INCH THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (IE., 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.