

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING			
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG			
B. HORIZONTAL SLIDER	Andersen	Gliding Double	FL19563.1
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER	Andersen	Awning	FL19561.2
3. PANEL WALL			
A. SIDING			
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES			
B. NON-STRUCTURAL METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCTURAL COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			

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

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

Contractor OR Agent Signature

4/3/2025

Date

NOTES: _____



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Product Approval
USER: Public User

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 Application Detail



FL #	FL19563-R6
Application Type	Affirmation
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
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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
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Referenced Standard and Year (of Standard)	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	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_COC_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

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_R6_IL_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_R6_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_R6_IL_AWD322_SS_2022-10-13.pdf Verified By: Hermes F. Norero, P.E. Florida P.E. 73778 Created by Independent Third Party: Yes Evaluation Reports FL19563_R6_AE_PER8163_SS_2022-10-13.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:



Credit Card

Safe

SECURITYMETRICS

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:
 - AIAA/WDMA/CSA 101A.5.2/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: FIBER & 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 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 80"	XOX	+40.0 / -40.0 PSF	1:1:1
84" X 80"	XOX	+35.0 / -35.0 PSF	1:1:1
84" X 80"	XOX	+30.0 / -30.0 PSF	1:1:1
144" X 54"	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 / -55.0 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 / -55.0 PSF	1:1:1 & 1:2:1
108" X 64"	XOX	+40.0 / -40.0 PSF	1:1:1 & 1:2:1

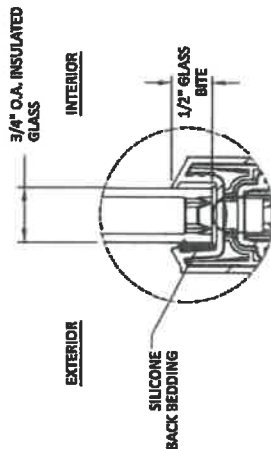
*SEE FRAME DESCRIPTIONS ON SHEET 6 & 8

NOTES:

1. UP UPGRADE PRODUCT POSITIVE BATING IS DRIVEN BY STRUCTURAL ONLY. WATER IS NOT INCLUDED.
2. UP UPGRADE PRODUCT MUST BE INSTALLED TO EXISTING FRAME ONLY, EXCEPT ON SILL WHERE JAMB CLIPS MUST BE USED.

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ANCHOR DETAILS	
INSTALLATION NOTES & ANCHOR SCHEDULE	



GLAZING DETAIL

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 DUKOMETER HANDNESS 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\"/>
4. D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN DESIGN PRESSURE TABLES ON SHEET 1.

ANDERSEN CORPORATION
1400 UNIVERSITY AVENUE
MAYFORD, ILLINOIS 60155
PH: (815) 284-2150 FAX: (815) 284-2148

RENEWAL SERIES GLIDER
(NON-HVHZ)
GLAZING DETAIL

PREPARED BY:
BUILDING DROPS, INC.
130 E. DANA ROAD, SUITE 200
MAYFORD, ILLINOIS 60155
PH: (815) 284-2150 FAX: (815) 284-2148
WWW.BUILDINGDROPS.COM

DATE: 11.07.18

DWG. BY: RV

SCALE: NTS

DWG. #: AWD243

SHEET: 1

FL19563

DATE: 11.07.18

DWG. BY: RV

SCALE: NTS

DWG. #: AWD243

SHEET: 1

PROFESSIONAL ENGINEER
STATE OF ILLINOIS
No. 7778
JAMES M. HENRY, P.E.
130 E. DANA ROAD, SUITE 200
MAYFORD, ILLINOIS 60155
PH: (815) 284-2150 FAX: (815) 284-2148

DATE: 11.07.18
BY: DATE

REMARKS:

OF 9

FL #:	FL19563	
DATE:	11.07.18	
DWG. BY:	RV	CHK. BY: HFN
SCALE:	NTS	
DWG. NO:	AWD243	
SHEET:	2	
		OF 9



100 POLYMER JUNE 2018
DAYTON, OH 45424-1000

PREPARED BY: BUILDING DROPS, INC.

508 E. DUNDAS STREET, SUITE 200
DAYTON, OH 45424-1000
PH: (937) 233-4300 FAX: (937) 233-4301
WWW.BUILDINGDROPS.COM

RENEWAL SERIES GUIDING
WINDOW (NON-IMPACT)
ELEVATIONS



TITLE:

REMARKS

BY DATE

DATE

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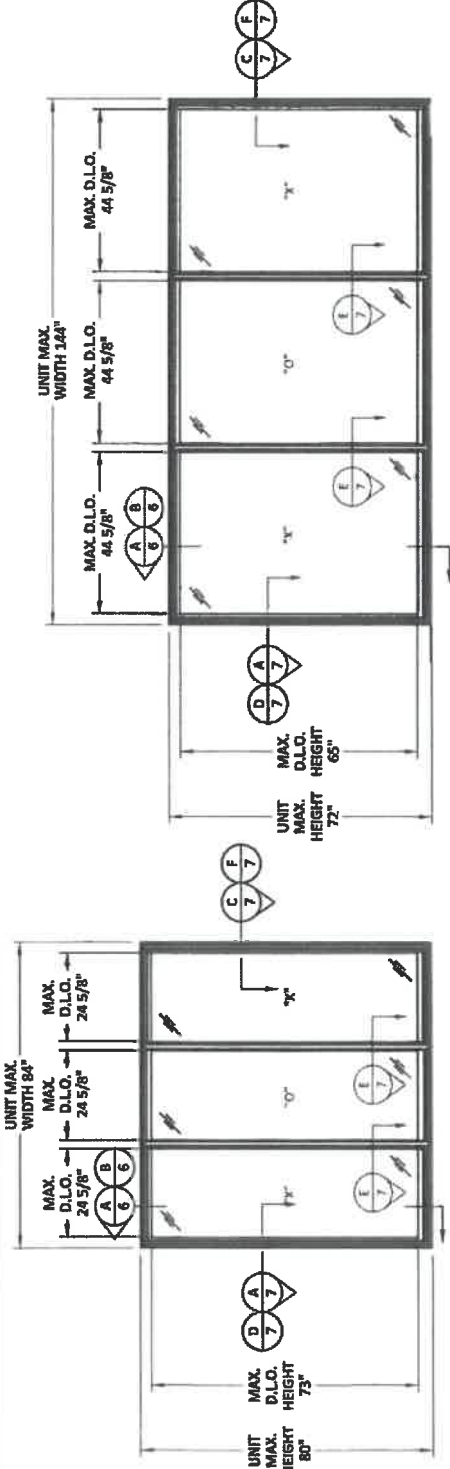
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DATE

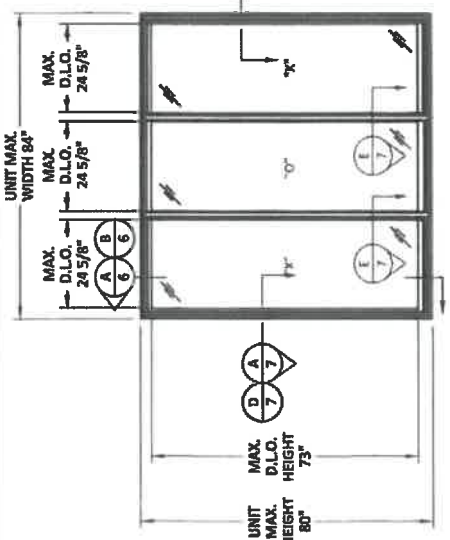
DATE

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

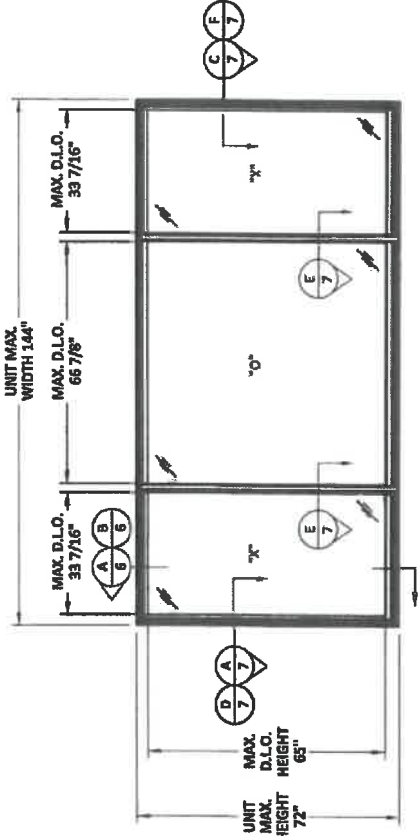
ELEVATION
144" X 72" XOX UNIT
1:1:1 SASH RATIO



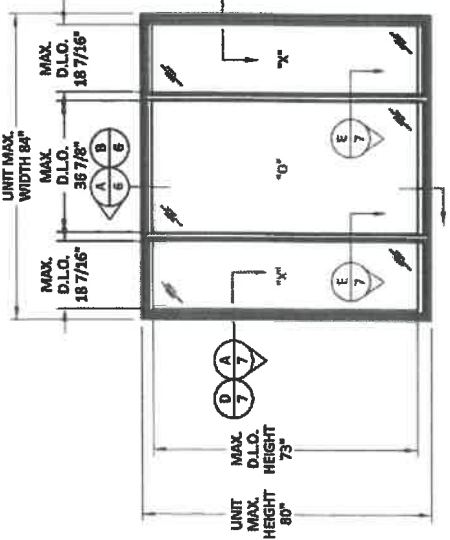
ELEVATION
84" X 80" XOX UNIT
1:1:1 SASH RATIO



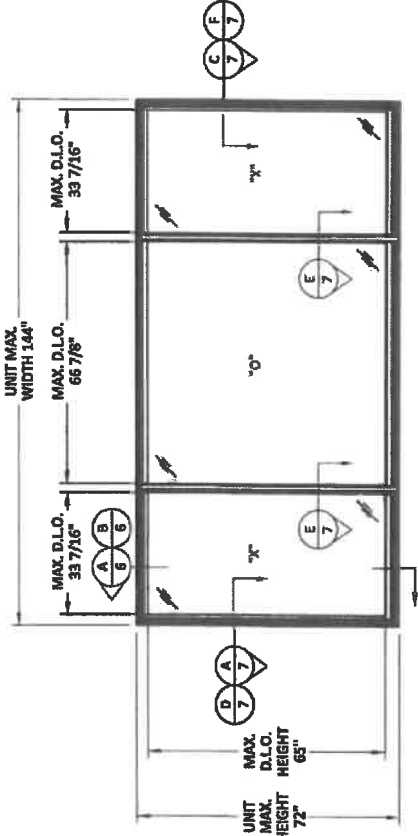
ELEVATION
144" X 72" XOX UNIT
1:1:1 SASH RATIO



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



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



FL19563

DATE: 11.07.18

DWG. BY: RV

CHK. BY: HFN

SCALE: NTS

DWG. #: AWD243

SHEET: 3

OF 9



ANDERSEN WINDOW
AND DOOR DIVISION
P.O. BOX 100
ANDERSEN, MN 55005
TEL: (612) 284-5150 FAX: (612) 284-5485

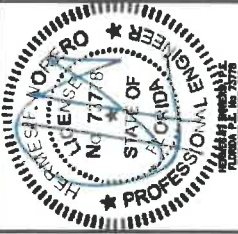
BUILDING DROPS, INC.
209 E. DAWNA DRIVE, SUITE 300
DANA POINT, CA 92629
TEL: (949) 441-1111 FAX: (949) 441-1112
WWW.BUILDINGDROPS.COM



PREPARED BY: _____
DATE: _____

REMARKS: _____

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FL R: **FL19563**

DATE: **11.07.18**

DWG. BY: **RV** CHL. BY: **HFH**

SCALE: **NTS**

DWG. #: **AWD243**

SHEET: **4**

OF 9

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 "OX" 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 "OX" 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

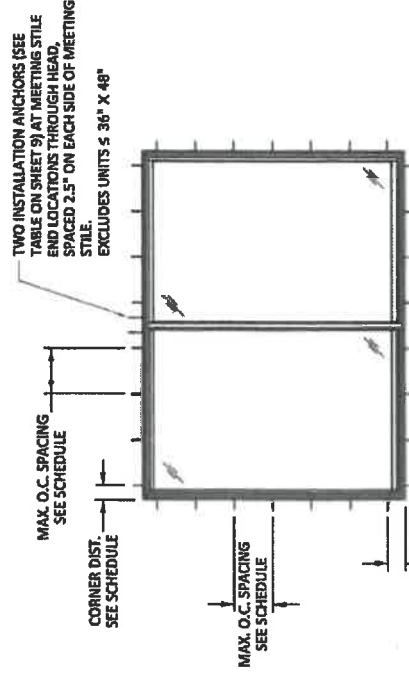
INSTALLATION NOTES:

- 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 REFER TO SHEET 1, SEE TABLE ON SHEET 9 FOR ANCHOR TYPE DEPENDENT ON INSTALLATION METHOD AND SUBSTRATE.

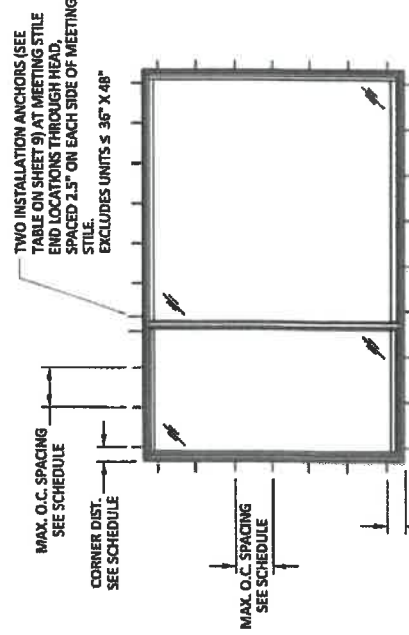
RENEWAL SERIES DP UPGRADE GLIDER ANCHOR SPACING					
CONFIG. & SIZE	INSTALLATION METHOD	FROM CORNERS (IN)	MAX O.C. HEAD (IN)	MAX O.C. SILL (IN)	MAX O.C. JAMBS (IN)
XO & OX GLIDER 40" X 40"	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	9	9	9
XO & OX GLIDER 56" X 64"	THROUGH FRAME & JAMB CLIP INSTALL (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 82" 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 A 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.



TYPICAL ANCHOR LAYOUT
XO OR OX GLIDER
1:1 SASH RATIO



TYPICAL ANCHOR LAYOUT
XO GLIDER
1:2 SASH RATIO

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



ANDERSEN WINDOW
ANDERSEN WINDOW
ANDERSEN WINDOW

PREPARED BY:
BUILDING DROPS, INC.
300 E. CHAMBERS BLVD., STE. 300
DALLAS, TX 75201
TEL: (214) 777-7777
WWW.BUILDINGDROPS.COM



DATE: _____
BY: _____

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FL 19563
DATE: 11.07.18
DWG. BY: RV
CHK. BY: HFN
SCALE: NTS
DWG. #: AWD243
SHEET: 5

OF 9

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)	NOTES
"XOX" GLIDER	NAIL FIN	3.5	3.5	3.5	3.5	
1:1:1 SASH RATIO	INSTALLATION CLIP	5.5	14.5	14.5	16	
	THROUGH FRAME	5.5	10.375	SEE NOTES	21.5	
"XOX" GLIDER	NAIL FIN	3.5	3.5	3.5	3.5	
1:2:1 SASH RATIO	INSTALLATION CLIP	5.5	12.125	12.125	16	
	THROUGH FRAME	5.5	10.5	SEE NOTES	22	

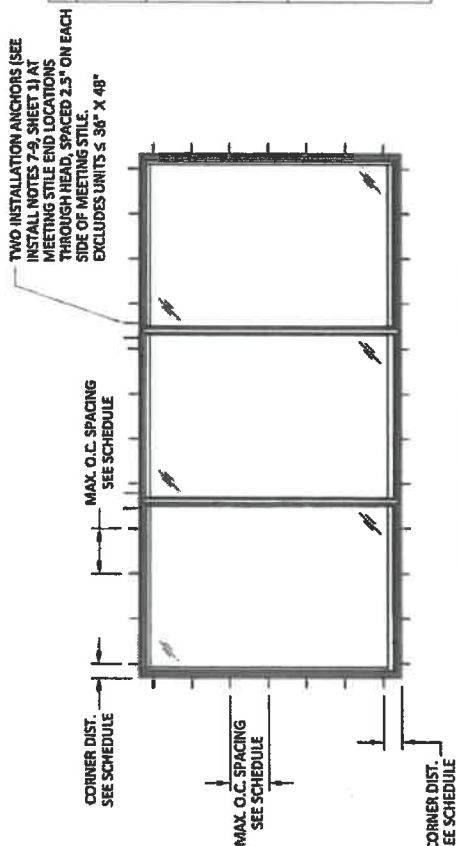
INSTALLATION NOTES:

- FOR THROUGH FRAME INSTALLATIONS, INSTALLATION CLIPS MUST BE USED AT THE SILL IN 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.

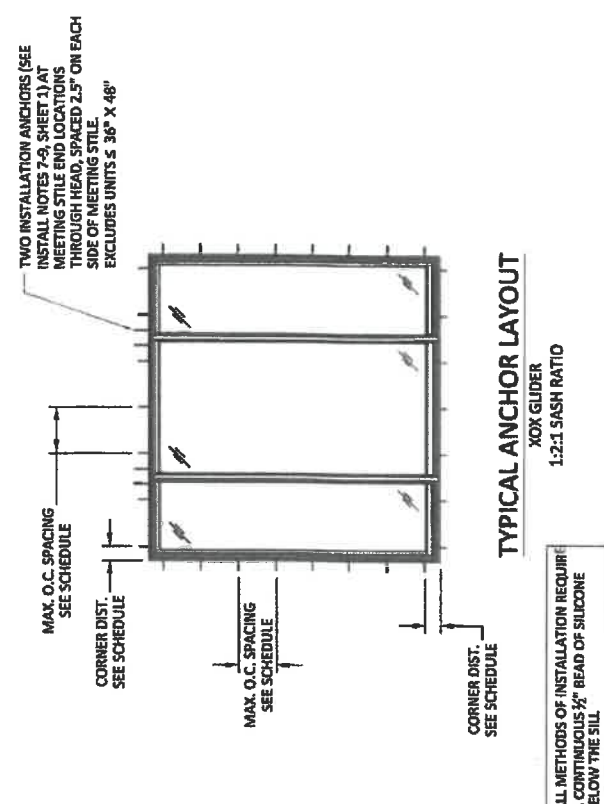
INSTALLATION NOTES:

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

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)	NOTES
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	

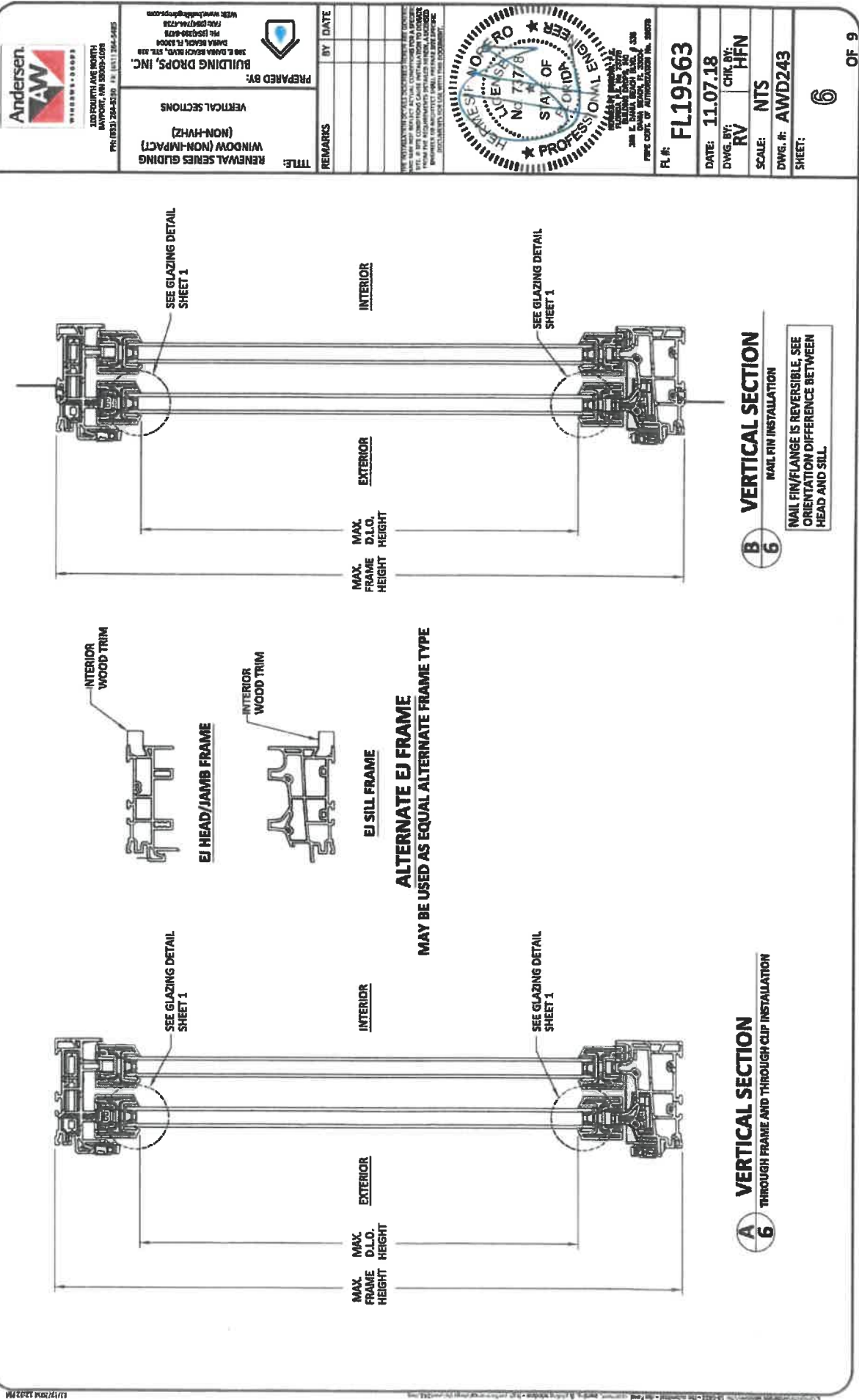


TYPICAL ANCHOR LAYOUT
XOX GLIDER
1:2:1 SASH RATIO



TYPICAL ANCHOR LAYOUT
XOX GLIDER
1:2:1 SASH RATIO

ALL METHODS OF INSTALLATION REQUIRE A CONTINUOUS 1/2\"/>



100 EQUITY AVE NORTH
BAYPORT, MN 55008-1095
PH: (888) 264-1300 FX: (800) 264-3485
WWW.ANDERSENWINDOWS.COM

PREPARED BY:
BUILDING DROPS, INC.
308 E. DANA BEACH BLVD., STE. 308
DANA BEACH, FL 33426
PH: (561) 264-4370 FX: (800) 264-3485
WWW.BUILDINGDROPS.COM

DATE:
11.07.18

CHK BY:
HFN

SCALE:
NTS

DWG. #:
AWD243

SHEET:
7

FL19563

DATE:
11.07.18

DWG. BY:
RV

SCALE:
NTS

DWG. #:
AWD243

SHEET:
7

FL19563

DATE:
11.07.18

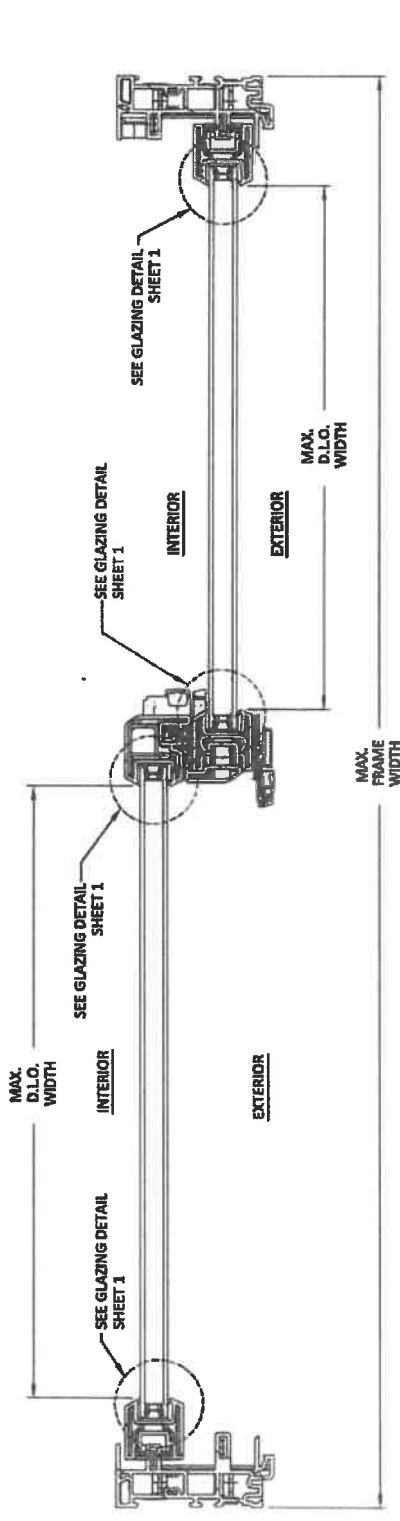
DWG. BY:
HFN

SCALE:
NTS

DWG. #:
AWD243

SHEET:
7

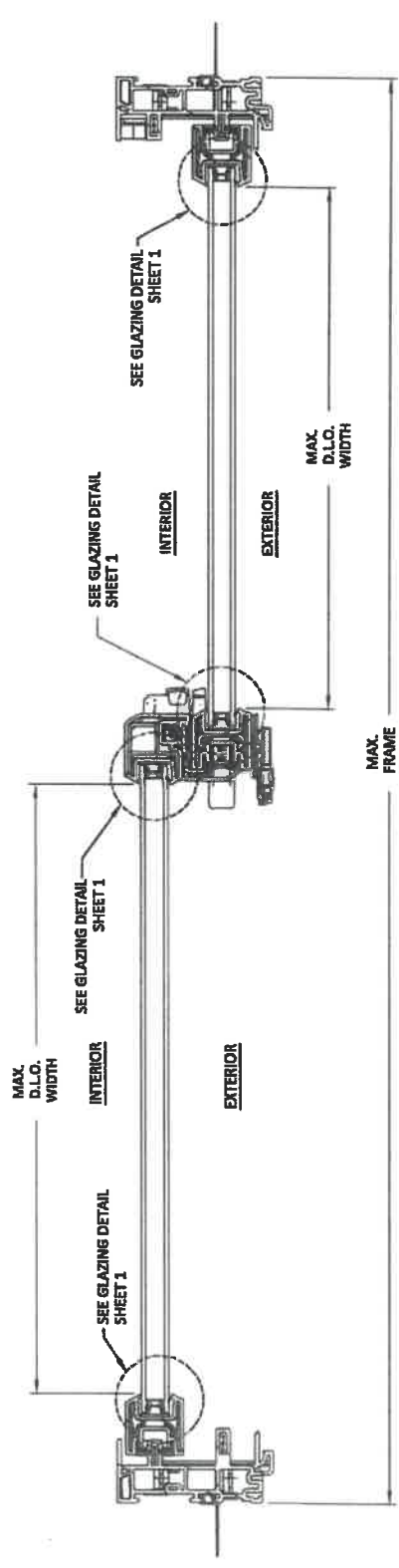
FL19563



A HORIZONTAL SECTION
7 THROUGH FRAME AND THROUGH CLIP INSTALLATION

B HORIZONTAL SECTION
7 ACTIVE/PASSIVE MEETING STYLE

C HORIZONTAL SECTION
7 THROUGH FRAME AND THROUGH CLIP INSTALLATION



D HORIZONTAL SECTION
7 NAIL PIN INSTALLATION

E HORIZONTAL SECTION
7 ACTIVE/STATIONARY MEETING STYLE

F HORIZONTAL SECTION
7 NAIL PIN INSTALLATION



ANDERSEN AW
 500 FOURTH AVE NORTH
 WATKINS, MN 55003-5005
 PH: (651) 254-2320 FAX: (651) 764-5445
 WWW.ANDERSENAW.COM

PREPARED BY:
 BUILDING DROPS, INC.
 200 E. DAKOTA AVE. SUITE 300
 MINNEAPOLIS, MN 55401
 PH: (612) 434-4343 FAX: (612) 434-4344
 WWW.BUILDINGDROPS.COM

PROJECT:
 RENEWAL SERIES GLIDING
 WINDOW (NON-IMPACT)
 ANCHOR DETAILS

DATE: _____
BY: _____

REMARKS:

FL #: _____

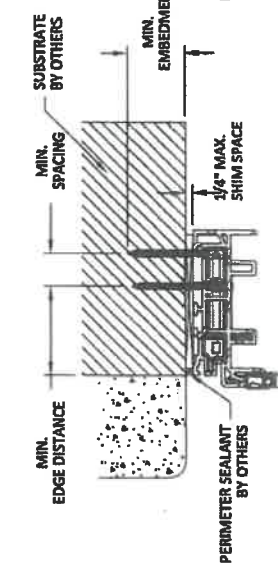


DATE: 11.07.18
DWG. BY: RV
CHK. BY: HFN

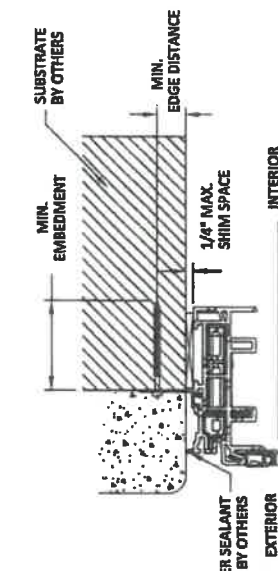
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DWG. #: AWD243
SHEET: 8

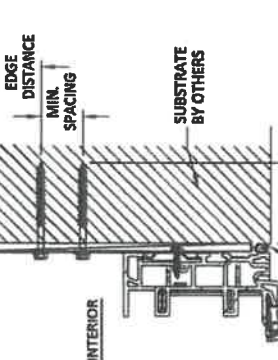
FL19563



A VERTICAL SECTION
 THROUGH FRAME (HEAD)

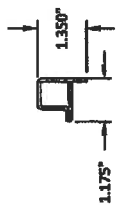


B VERTICAL SECTION
 SILL & JAMB DETAIL SIMILAR.

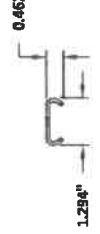


C HORIZONTAL SECTION
 THROUGH CLIP (JAMB)

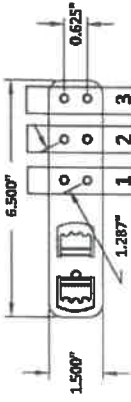
ACTIVE SASH MEETING STILE REINFORCEMENT DETAIL



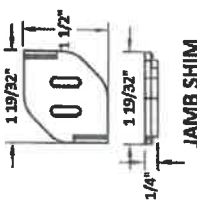
PASSIVE/STATIONARY SASH MEETING STILE REINFORCEMENT DETAIL



INSTALLATION CLIP DETAIL



INSTALLATION CLIP DETAIL



SASH REINFORCEMENT REQUIREMENTS

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

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 HHW SMS ANCHORS PER CLIP, IN ROW NUMBER ONE OF PREDRILLED HOLES SHOWN BELOW.

CONCRETE/MASONRY: USE TWO 3/4" 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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Product Approval
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[Product Approval Menu](#) >
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 Application Detail



FL #	FL19561-R7																		
Application Type	Affirmation																		
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	Awning																		
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	12/01/2030																		
Validated By	Zachary R. Priest, P.E. Validation Checklist - Hardcopy Received																		
Certificate of Independence	FL19561_R7_COI_COI Andersen_SS 2021-10-18.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>2013</td></tr> <tr> <td>ASTM E1996</td><td>2017</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	2013	ASTM E1996	2017	TAS 201	1994	TAS 202	1994	TAS 203	1994
Standard	Year																		
AAMA/WDMA/CSA 101/I.S.2/A440	2008																		
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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

[FL19561 R7 COC SA19561 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

Summary of Products

FL #	Model, Number or Name	Description
19561.1	Renewal by Andersen Awning Window (HVHZ) (Impact)	Renewal by Andersen Awning Window (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 FL19561 R7 IL AWD320 SS 2022-12-19.pdf Verified By: Hermes F. Norero, P.E. Florida P.E. 73778 Created by Independent Third Party: Yes Evaluation Reports FL19561 R7 AE PER8117 SS 2022-12-19.pdf Created by Independent Third Party: Yes
19561.2	Renewal by Andersen Awning Window (Non-HVHZ) (Non-Impact)	Renewal by Andersen Awning 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 FL19561 R7 IL AWD241 SS 2018-12-17.pdf Verified By: Hermes F. Norero, P.E. FL PE No. 73778 Created by Independent Third Party: Yes Evaluation Reports FL19561 R7 AE PER5896 SS 2022-10-17.pdf Created by Independent Third Party: Yes

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Product Approval Accepts:



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SECURITY METRICS

ANDERSEN CORPORATION

RENEWAL BY ANDERSEN SERIES AWNING 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:
* AIAA/MOMA/CSA 101/1.5.2/440-08/11
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 BRICS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BRIC 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 DESIGN 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.

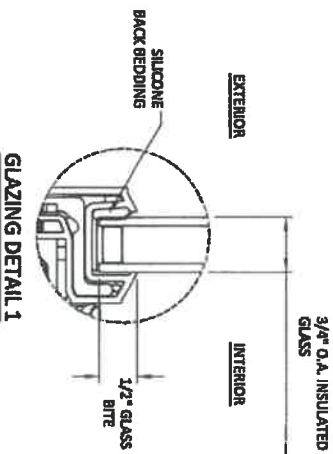
DESIGN PRESSURE RATING	
SIZE	DESIGN PRESSURE
60" X 36"	+40.0 / -40.0 PSF
48" X 48"	+40.0 / -40.0 PSF

DESIGN PRESSURE UPGRADE RATING	
SIZE	DESIGN PRESSURE
27 9/16" X 84 9/16"	+42.0 / -51.0 PSF
27 9/16" X 26 0/16"	+47.0 / -57.0 PSF
48 0/16" X 48 0/16"	+50.0 / -65.0 PSF
56 0/16" X 86 0/16"	+50.0 / -65.0 PSF
60 0/16" X 86 0/16"	+50.0 / -50.0 PSF

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

TABLE OF CONTENTS	
SHEET	REVISION
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3	-
4	-
5	-
6	-

SHEET DESCRIPTION	
1	GENERAL NOTES & GLAZING DETAILS
2	ELEVATIONS & ANCHOR LAYOUTS
3	VERTICAL SECTIONS
4	HORIZONTAL SECTIONS
5	ANCHOR DETAILS
6	INSTALLATION NOTES & ANCHOR SCHEDULE



- 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 70-80 DIAMETER AS PER CH 24 OF THE CURRENT FBC.
 4. GLASS LITES THAT EXCEED 36\"/>



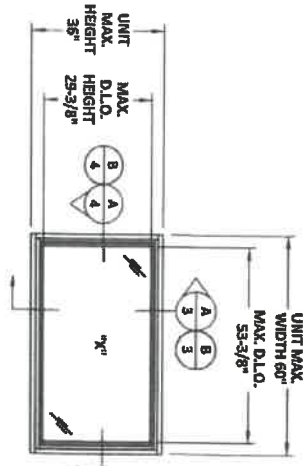
TITLE: RENEWAL SERIES AWNING WINDOW (NON-IMPACT) (NON-HVHZ) GENERAL NOTES & GLAZING DETAIL

PREPARED BY: BUILDING DROPS, INC. 696 E. DANA BEACH BLVD., STE. 118, DANA BEACH, FL 33404, PHONE: (561) 259-6475, FAX: (561) 254-4238, WWW: www.buildingdrops.com

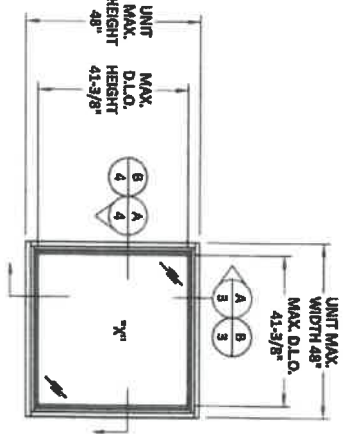
REMARKS: BY DATE



FL #: FL19561
DATE: 11.06.18
DWG. BY: CHK. BY: HR HFN
SCALE: NTS
DWG. #: AWD241
SHEET: 1 OF 6

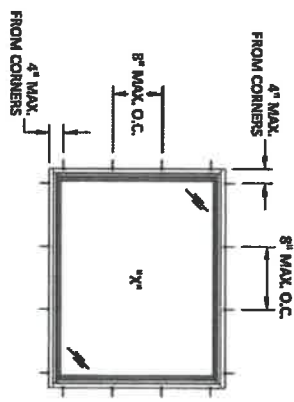


ELEVATION
60" X 36"

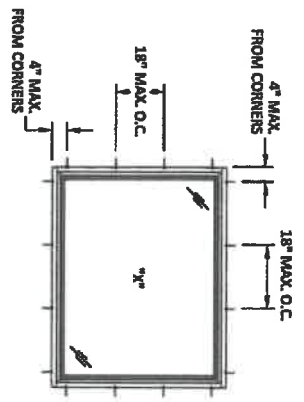


ELEVATION
48" X 48"

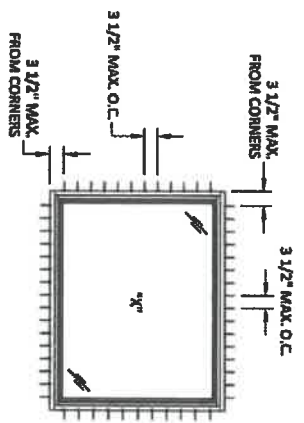
NOTE: ALL TYPICAL SUBSTRATES OR INSTALLATION METHODS SHOWN HEREIN MAY BE USED AT THE HEAD, JAMB, OR SILL. EDGE DISTANCE AND EMBEDMENT SHALL BE AS SPECIFIED IN TYPICAL DETAILS. SEE INSTALLATION NOTES AND DETAILS ON SHEET 3 FOR EACH TYPE OF INSTALLATION METHOD.



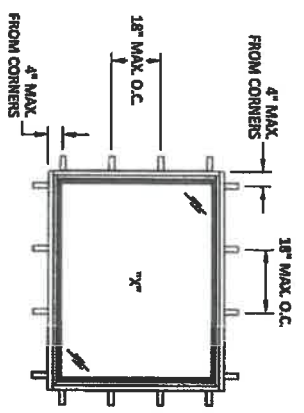
DP UPGRADE ANCHOR LAYOUT
THROUGH FRAME



TYPICAL ANCHOR LAYOUT
THROUGH FRAME



TYPICAL ANCHOR LAYOUT
NAIL FIN



TYPICAL ANCHOR LAYOUT
INSTALLATION CLIP

Andersen
300 EQUITY AVE NORTH
DAYTON, OH 45424-1000
PH: (937) 284-5100 FAX: (937) 284-5400
WWW.ANDERSEN-WINDOWS.COM

TITLE: RENEWAL SERIES AWNING WINDOW (NON-IMPACT) (NON-HVHZ)
ELEVATIONS AND ANCHOR LAYOUTS

PREPARED BY: BUILDING DROPS, INC.
300 S. DANIA BEACH BLVD., STE. 210
DANIA BEACH, FL 33024
PH: (954) 239-0478 FAX: (954) 244-4738
WWW.BUILDINGDROPS.COM

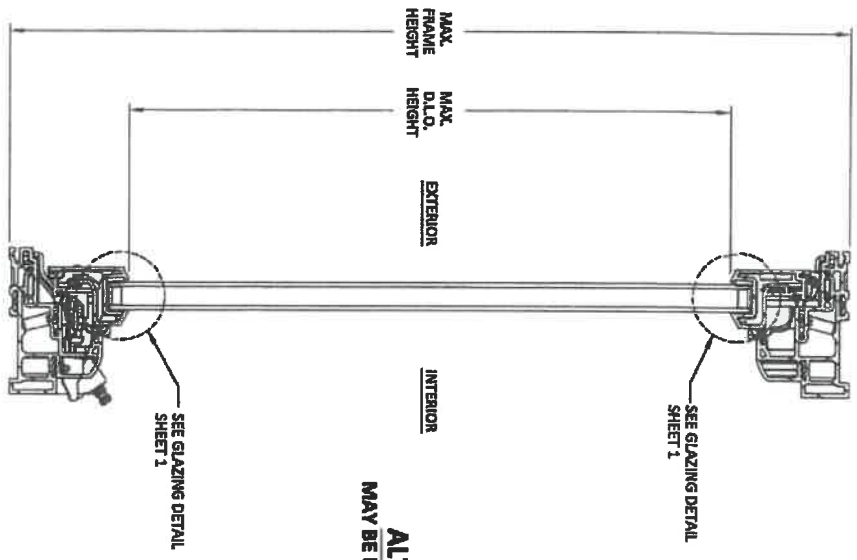
REMARKS:

BY: **DATE:**

FL #: FL19561
DATE: 11.06.18
DWG. BY: HR
CHK. BY: HRN
SCALE: NTS
DWG. #: AWD241
SHEET: 2

PROFESSIONAL ENGINEER
SIA OF
N 717
H 100
FL 19561
300 S. DANIA BEACH BLVD., STE. 210
DANIA BEACH, FL 33024
PH: (954) 239-0478 FAX: (954) 244-4738
WWW.BUILDINGDROPS.COM

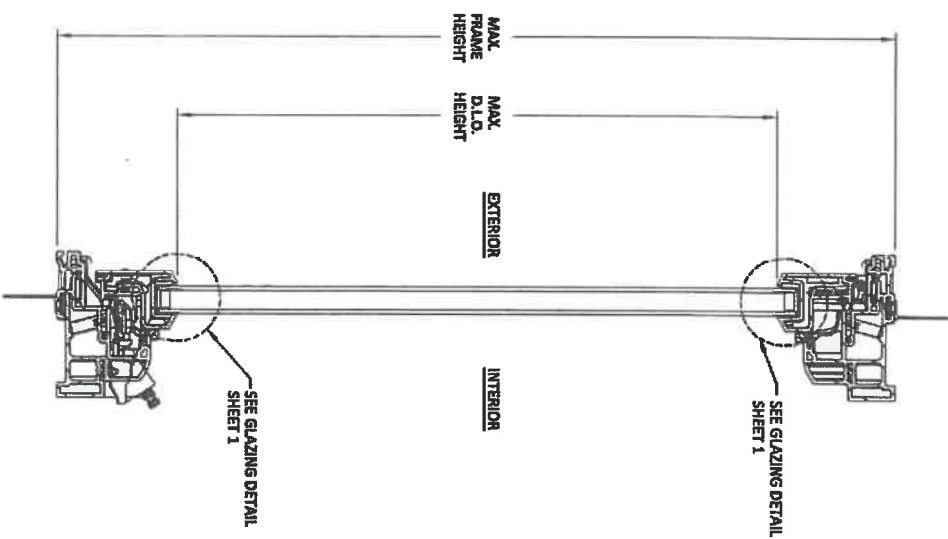
A
VERTICAL SECTION
THROUGH FRAME AND THROUGH CLIP INSTALLATION



ALTERNATE EJ FRAME DETAIL
MAY BE USED AS EQUAL ALTERNATE FRAME TYPE



B
VERTICAL SECTION
NAIL FIN INSTALLATION



NAIL FIN/FLANGE IS REVERSIBLE, SEE ORIENTATION DIFFERENCE IN DETAIL B/A HEAD AND SILL.



TITLE: RENEWAL SERIES AWNING WINDOW (NON-IMPACT) (NON-HVHZ)
VERTICAL SECTIONS

PREPARED BY: BUILDING DROPS, INC.
208 E. DAVIA REACH BLVD., STE. 208
DAVIA REACH, FL 33004
PH: (954) 395-8478
FAX: (954) 444-4728
WEB: www.buildingdrops.com

REMARKS	BY	DATE



FL #: **FL19561**

DATE: **11.06.18**

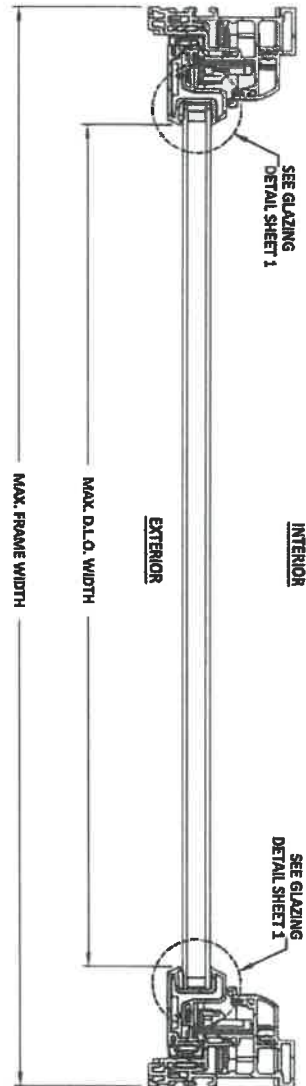
DWG. BY: **HR** CHK. BY: **HN**

SCALE: **NTS**

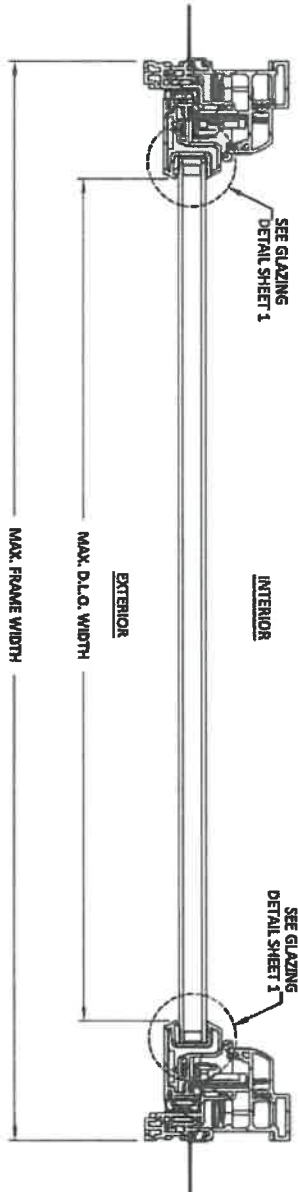
DWG. #: **AWD241**

SHEET: **3**

OF 6



A
4
HORIZONTAL SECTION
THROUGH FRAME AND THROUGH GLIP INSTALLATION



B
4
HORIZONTAL SECTION
NAIL FIN INSTALLATION

Andersen
RENEWAL SERIES
300 PLUMMER AVE NORTH
DAVENPORT, FL 33603-1006
PH: (813) 264-6120 FAX: (813) 264-6483

TITLE:
RENEWAL SERIES AWNING
WINDOW (NON-IMPACT)
(NON-HVHZ)
HORIZONTAL SECTIONS

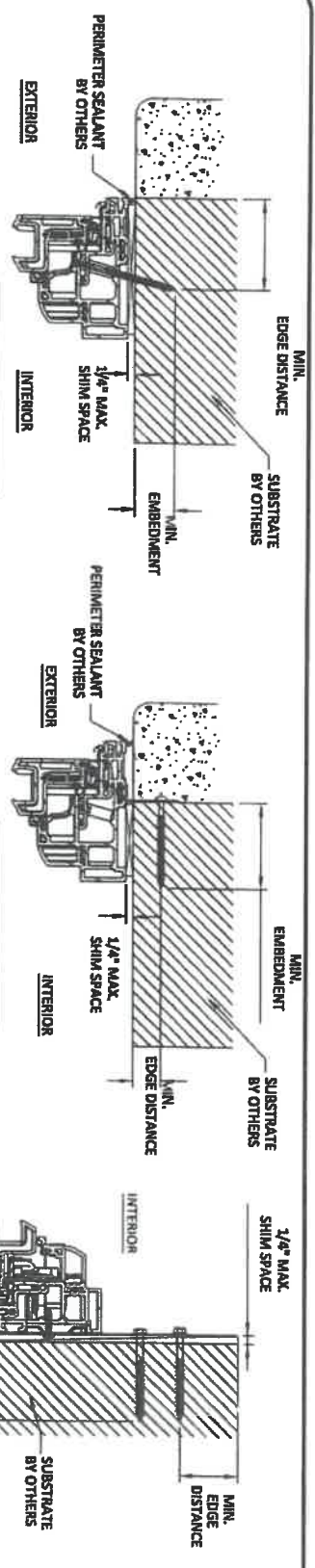
PREPARED BY:
 **BUILDING DROPS, INC.**
208 E. OAKA BEACH BLVD., STE. 208
OAKA BEACH, FL 33004
PH: (954) 889-8478
FAX: (954) 744-4738
WEB: www.bldgdrops.com

REMARKS	BY	DATE

NOTES: 1. SEE DETAIL SHEET 1 FOR GLAZING DETAILS. 2. SEE DETAIL SHEET 2 FOR FRAME DETAILS. 3. SEE DETAIL SHEET 3 FOR FINISHES. 4. SEE DETAIL SHEET 4 FOR ACCESSORIES. 5. SEE DETAIL SHEET 5 FOR OPTIONS. 6. SEE DETAIL SHEET 6 FOR ACCESSORIES. 7. SEE DETAIL SHEET 7 FOR OPTIONS. 8. SEE DETAIL SHEET 8 FOR ACCESSORIES. 9. SEE DETAIL SHEET 9 FOR OPTIONS. 10. SEE DETAIL SHEET 10 FOR ACCESSORIES.

HERMES
REGISTERED PROFESSIONAL ENGINEER
No. 7178
STATE OF FLORIDA
200 S. OAKA BEACH BLVD., STE. 208
OAKA BEACH, FL 33004
PH: (954) 889-8478
FAX: (954) 744-4738
WEB: www.bldgdrops.com

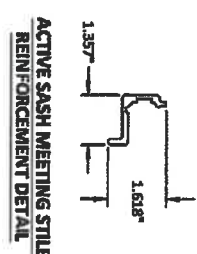
FL19561
DATE: 11.06.18
DWG. BY: HR
CHK. BY: HFN
SCALE: NTS
DWG. #: AWD241
SHEET: 4



A
VERTICAL SECTION
THROUGH FRAME (HEAD)

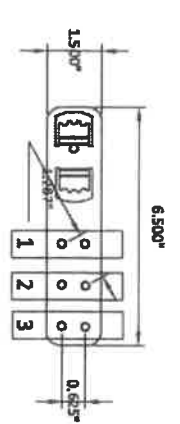
B
VERTICAL SECTION
TAIL FIN (HEAD)

C
HORIZONTAL SECTION
THROUGH CLIP (JAMB)



SIZE	REINFORCING
UNIT WIDTH > 46.5"	REQUIRES FIBERGLASS REINFORCEMENT INSERTED INTO HINGE-SIDE RAIL
UNIT WIDTH ≤ 46.5"	NOT REQUIRED

SIZE	REINFORCING
UNIT WIDTH > 46.5"	REQUIRES FIBERGLASS REINFORCEMENT INSERTED INTO HINGE-SIDE RAIL AND BOTTOM RAIL
UNIT WIDTH ≤ 46.5"	NOT REQUIRED



INSTALLATION CLIP DETAIL

INSTALLATION CLIP ANCHOR REQUIREMENTS:

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

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

CONCRETE/MASONRY: USE TWO 3/4" TWP 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.

Andersen

300 QUINCY AVE NORTH
BIRMINGHAM, AL 35203-3508
PH: (205) 224-4320 FAX: (205) 250-0485

PREPARED BY:
BUILDING DROPS, INC.
800 E. DIXIE BLVD. SUITE 100
DIXIE HEIGHTS, IL 60014
PH: (815) 439-0478
FAX: (815) 474-4738
WEB: www.bldgdrop.com

TITLE:
RENEWAL SERIES AWNING WINDOW (NON-IMPACT) (NON-HVHZ)
ANCHOR DETAILS

REMARKS:

BY: _____ DATE: _____

FL #: FL19561

DATE: 11.06.18

DWG. BY: HR **CHK. BY:** HFN

SCALE: NTS

DWG. #: AWD241

SHEET: 5 OF 6

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, 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 $\pm 1/4$ 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 SHIMS. MAXIMUM ALLOWABLE SHIM STACK TO BE $1/4$ INCH. SHIM WHERE SPACE OF $1/16$ INCH OR GREATER OCCURS. SHIMS SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
5. FOR MASONRY OR CONCRETE OPENINGS, A 2X 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 CLIP & NAIL FIN	WOOD: MIN. SG = 0.55 METAL: 18 GAUGE Steel, MIN. Py = 33KSI	#8 WOOD SCREW #8 HWI SMS SCREW	1.5" 3 THREADS MIN PENETRATION BEYOND METAL	0.75" 0.5"
THROUGH FRAME	WOOD: MIN. SG = 0.55 METAL: 18 GAUGE Steel, MIN. Py = 33KSI	#10 WOOD SCREW FLAT HEAD	1.5" 3 THREADS MIN PENETRATION BEYOND METAL	0.75" 0.5"
THROUGH FRAME	CONCRETE: MIN. F _{cr} 3000 PSI	3/16" TW TAPCON FLAT HEAD	1.25" PENETRATION BEYOND METAL	2.5"
THROUGH FRAME THROUGH CLIP	MASONRY: CHU per ASTM C80 MIN. 2000 PSI	3/16" TW TAPCON FLAT HEAD	1" PENETRATION BEYOND METAL	2.25"



100 ROUTE 1 AVE NORTH
DAYTON, OH 45424-1088
PH: (937) 233-3150 FX: (937) 287-5455

TITLE: RENEWAL SERIES AWNING WINDOW (NON-IMPACT) (NON-HVHZ)
INSTALLATION NOTES & ANCHOR SCHEDULE

PREPARED BY: BUILDING DROPS, INC.
288 E. DAWG BEACH BLVD., STE. 338
DAYTONA BEACH, FL 32024
PH: (386) 939-6478
FAX: (386) 934-6738
WEB: www.buildingdrops.com

REMARKS:

BY:

DATE:



STATE OF FLORIDA
PROFESSIONAL ENGINEER
S. A. OF
NO. 7178

DATE: 11.06.18
DWG. BY: HR
CHK. BY: HFN
SCALE: NTS
DWG. #: AWD241
SHEET: 6