



Order Summary

dba: RENEWAL BY ANDERSEN OF FLORIDA

Legal Name: JLM Windows, LLC | License # CGC1527613
 997 West Kennedy Blvd. Suite A1 | Orlando, FL 32810
 Phone: 407-803-4723 | Fax: 407-386-8262 | concierge@rbafla.com
 Measure Tech: Jeffrey Galdikas,

Ron Buchner
 635 NW Rodeo Court
 Lake City, FL 32055
 H: (386)623-0175

ID#	ROOM	SIZE	DETAILS
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JOB

101	Foyer	35"	59"	Window: , Double-Hung (DG), 1:1, Flat Sill, Base Frame, Modern Checkrail, Exterior Dark Bronze, Interior Dark Bronze Performance Calculator: , PG Rating: 40 DP Rating: + 40 / - 40 Glass: , All Sash: High Performance SmartSun Glass, No Pattern Hardware: , Dark Bronze Screen: , Fiberglass, Full Screen Grille Style: , No Grille Misc: , None Construction: , None Material: , 2.25" x 5/8" L-Trim, (12 ft), Dark Bronze (2), Caulk - Dark Bronze Exterior , (1), Interior Caulk- White (1), #10 X 3.5" Deck Screws (Wood Frame) (0.25), 1/16 Flat Shims (1), 1/32 Flat Shims (1), Flashing Tape (0.5), Foam: Low Expansion Polyurethane (1)
		34-3/8"	58-3/8"	

102	Office	35"	59"	Window: , Double-Hung (DG), 1:1, Flat Sill, Base Frame, Modern Checkrail, Exterior Dark Bronze, Interior Dark Bronze Performance Calculator: , PG Rating: 40 DP Rating: + 40 / - 40 Glass: , All Sash: High Performance SmartSun Glass, No Pattern Hardware: , Dark Bronze Screen: , Fiberglass, Full Screen Grille Style: , No Grille Misc: , None Construction: , None Material: , 2.25" x 5/8" L-Trim, (12 ft), Dark Bronze (2), Caulk - Dark Bronze Exterior , (1), Interior Caulk- White (1), #10 X 3.5" Deck Screws (Wood Frame) (0.25), 1/16 Flat Shims (1), 1/32 Flat Shims (1), Flashing Tape (0.5), Foam: Low Expansion Polyurethane (1)
		34-1/2"	58-3/8"	

103	Bedroom	35"	59"	Window: , Double-Hung (DG), 1:1, Flat Sill, Base Frame, Modern Checkrail, Exterior Dark Bronze, Interior Dark Bronze Performance Calculator: , PG Rating: 40 DP Rating: + 40 / - 40 Glass: , All Sash: High Performance SmartSun Glass, No Pattern Hardware: , Dark Bronze Screen: , Fiberglass, Full Screen Grille Style: , No Grille Misc: , None Construction: , None Material: ,
		34-1/2"	58-1/2"	



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104	Dining	108" 107-1/8"	50" 49-7/8"	Window: , Gliding, Triple, 1:2:1, Base Frame, Exterior Dark Bronze, Interior Dark Bronze Performance Calculator: , PG Rating: 30 DP Rating: + 30 / - 30 Glass: , All Sash: High Performance SmartSun Glass, No Pattern Hardware: , Dark Bronze Screen: , Fiberglass, Full Screen Grille Style: , No Grille Misc: , None Construction: , Interior synthetic marble sill (per opening) (2) Material: , F-Trim, (12 ft), Dark Bronze (3), Glider Clips (8), Caulk - Dark Bronze Exterior , (1), Interior Caulk- White (1), #10 X 3.5" Deck Screws (Wood Frame) (0.25), 1/16 Flat Shims (1), 1/32 Flat Shims (1), Flashing Tape (0.5), Foam: Low Expansion Polyurethane (1), Marble sill (2)
105	Garage	24" 22-3/8"	60" 58-1/2"	Window: , Double-Hung (DG), 1:1, Flat Sill, Base Frame, Modern Checkrail, Exterior Dark Bronze, Interior Dark Bronze Performance Calculator: , PG Rating: 40 DP Rating: + 40 / - 40 Glass: , All Sash: High Performance SmartSun Glass, No Pattern Hardware: , Dark Bronze Screen: , Fiberglass, Full Screen Grille Style: , No Grille Misc: , None Construction: , None Material: , 2.25" x 5/8" L-Trim, (12 ft), Dark Bronze (2), Caulk - Dark Bronze Exterior , (1), Interior Caulk- White (1), #10 X 3.5" Deck Screws (Wood Frame) (0.25), 1/16 Flat Shims (1), 1/32 Flat Shims (1), Flashing Tape (0.5), Foam: Low Expansion Polyurethane (1)
106	Garage	24" 22-3/8"	60" 58-1/2"	Window: , Double-Hung (DG), 1:1, Flat Sill, Base Frame, Modern Checkrail, Exterior Dark Bronze, Interior



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 635 NW Rodeo Court
 Lake City, FL 32055
 H: (386)623-0175

ID#	ROOM	SIZE		DETAILS
				Dark Bronze Performance Calculator: , PG Rating: 40 DP Rating: + 40 / - 40 Glass: , All Sash: High Performance SmartSun Glass, No Pattern Hardware: , Dark Bronze Screen: , Fiberglass, Full Screen Grille Style: , No Grille Misc: , None Construction: , None Material: , 2.25" x 5/8" L-Trim, (12 ft), Dark Bronze (2), Caulk - Dark Bronze Exterior , (1), Interior Caulk- White (1), #10 X 3.5" Deck Screws (Wood Frame) (0.25), 1/16 Flat Shims (1), 1/32 Flat Shims (1), Flashing Tape (0.5), Foam: Low Expansion Polyurethane (1)
107	Garage	24" 22-3/8"	60" 58-1/2"	Window: , Double-Hung (DG), 1:1, Flat Sill, Base Frame, Modern Checkrail, Exterior Dark Bronze, Interior Dark Bronze Performance Calculator: , PG Rating: 40 DP Rating: + 40 / - 40 Glass: , All Sash: High Performance SmartSun Glass, No Pattern Hardware: , Dark Bronze Screen: , Fiberglass, Full Screen Grille Style: , No Grille Misc: , None Construction: , None Material: , 2.25" x 5/8" L-Trim, (12 ft), Dark Bronze (2), Caulk - Dark Bronze Exterior , (1), Interior Caulk- White (1), #10 X 3.5" Deck Screws (Wood Frame) (0.25), 1/16 Flat Shims (1), 1/32 Flat Shims (1), Flashing Tape (0.5), Foam: Low Expansion Polyurethane (1)
108	Utility	24" 23"	60" 58-5/8"	Window: , Double-Hung (DG), 1:1, Flat Sill, Base Frame, Modern Checkrail, Exterior Dark Bronze, Interior Dark Bronze Performance Calculator: , PG Rating: 40 DP Rating: + 40 / - 40 Glass: , All Sash: High Performance SmartSun Glass, No Pattern Hardware: , Dark Bronze Screen: , Fiberglass, Full Screen Grille Style: , No Grille Misc: , None Construction: , None Material: , 2.25" x 5/8" L-Trim, (12 ft), Dark Bronze (2), Caulk - Dark Bronze Exterior ,



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(1), Interior Caulk- White (1), #10 X 3.5" Deck Screws (Wood Frame) (0.25),
 1/16 Flat Shims (1), 1/32 Flat Shims (1), Flashing Tape (0.5), Foam: Low
 Expansion Polyurethane (1)

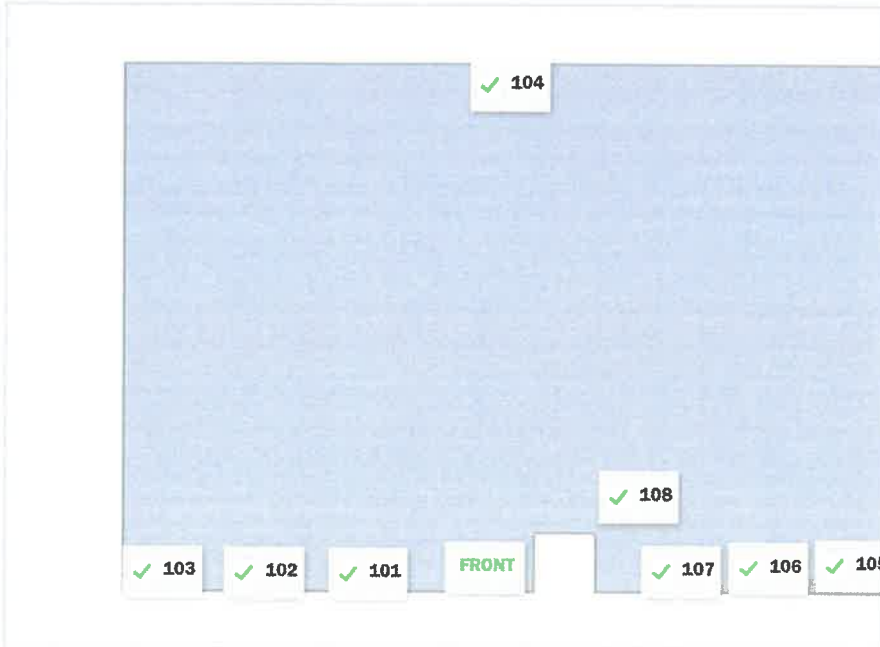
PRODUCTS: 8 WINDOWS: 8 PATIO DOORS: 0 ENTRY DOORS: 0 SPECIALTY: 0 MISC: 0

Updated 3/19/24

JOB NOTES

- Marble sills
 - Drywall return
 - Blinds
 - Curtains
 - Wireless security system
- Estimated Duration: 1 days**

FLOORPLAN - 1ST FLOOR



UNIT NOTES

- 101** Marble sill
Drywall return
Wireless security system
- 102** Marble sill
Drywall return
Wireless security system
- 103** Marble sill
Drywall return
Wireless security system
- 104** Marble sill-customer was able purchase at Lowe's
Drywall return
- 105** Marble sill
Drywall return
- 106** Marble sill
Drywall return
- 107** Marble sill
Drywall return
- 108** Marble sill
Drywall return
Wireless security system



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Product Approval
USER: Public User

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



FL #	FL27970-R4										
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	Alan Barstad										
Address/Phone/Email	100 Fourth Avenue North Bayport, MN 55003 (651) 264-5308 abarstad@andersencorp.com										
Category	Windows										
Subcategory	Double Hung										
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer Evaluation Report - Hardcopy Received										
Florida Engineer or Architect Name who developed the Evaluation Report	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	FL27970_R4_COI_COI Andersen SS 2015-08-31.pdf										
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th><u>Standard</u></th> <th><u>Year</u></th> </tr> </thead> <tbody> <tr> <td>AAMA/WDMA/CSA 101/I.S.2/A440</td> <td>2011</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>	<u>Standard</u>	<u>Year</u>	AAMA/WDMA/CSA 101/I.S.2/A440	2011	TAS 201	1994	TAS 202	1994	TAS 203	1994
<u>Standard</u>	<u>Year</u>										
AAMA/WDMA/CSA 101/I.S.2/A440	2011										
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

[FL27970 R4 COC SA27970 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 08/09/2023

Date Approved 08/09/2023

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 R4 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 R4 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 R4 II AWD291 SS 2021-06-15.pdf Verified By: Hermes F. Norero, P.E. Florida P.E. 73778 Created by Independent Third Party: Yes Evaluation Reports FL27970 R4 AE PER7620 SS 2021-06-15.pdf Created by Independent Third Party: Yes

[Back](#) [Next](#)

Contact Us :: 2601 Blair Stone Road, Tallahassee FL 32399 Phone: 850-487-1824

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Credit Card
Safe



ANDERSEN CORPORATION

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



320 SOUTH ANKENY AVENUE, #17-5005-108
WINDSOR, MO 65051-108
PREPARED BY: BUILDING DROPS, INC.
GENERAL NOTES & GLAZING DETAIL

TABLE OF CONTENTS

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2	-	ELEVATIONS & ANCHOR LAYOUTS
3	-	ELEVATIONS & ANCHOR LAYOUTS
4	-	VERTICAL SECTIONS
5	-	VERTICAL SECTIONS
6	-	HORIZONTAL SECTIONS
7	-	INSTALLATION NOTES, REINFORCEMENT & ANCHOR DETAILS

PREPARED BY: BUILDING DROPS, INC.
GENERAL NOTES & GLAZING DETAIL

BY DATE
HR 11.26.11

REMARKS

SIZE GRID UPDATE

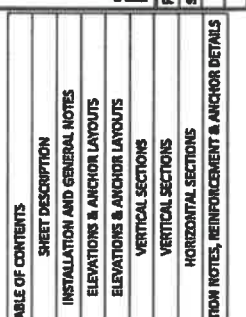
FL #: FL27970

DATE: 02.22.18

DWG. BY: RV
CHK. BY: HFN

SCALE: NTS
DWG. #: AWD234

SHEET: 1
OF 7



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 70-80 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.

SILL TYPE	MAX OVERALL SIZE	MAX D.L.O. SIZE	DESIGN PRESSURE	RATIO	CORNG.	MISSILE IMPACT RATING
FLAT OR SLOPE	WIDTH 32.0	UPPER SASH 35-3/8 LOWER SASH 39-3/8	+/-40	1:1	N/A	NON-IMPACT
	HEIGHT 76.0	UPPER SASH 39-3/8 LOWER SASH 39-3/8				
FLAT OR SLOPE	WIDTH 40.0	UPPER SASH 39-3/8 LOWER SASH 39-3/8	+/-40	3:1	N/A	NON-IMPACT
	HEIGHT 76.0	UPPER SASH 39-3/8 LOWER SASH 39-3/8				
FLAT OR SLOPE	WIDTH 48.0	UPPER SASH 39-3/8 LOWER SASH 39-3/8	+/-40	3:1	N/A	NON-IMPACT
	HEIGHT 76.0	UPPER SASH 39-3/8 LOWER SASH 39-3/8				
FLAT OR SLOPE	WIDTH 54.0	UPPER SASH 39-3/8 LOWER SASH 39-3/8	+/-40	3:1	N/A	NON-IMPACT
	HEIGHT 76.0	UPPER SASH 39-3/8 LOWER SASH 39-3/8				

SILL TYPE	MAX OVERALL SIZE	MAX D.L.O. SIZE	DESIGN PRESSURE	RATIO	CORNG.	MISSILE IMPACT RATING
FLAT OR SLOPE	WIDTH 30.0	UPPER SASH 29-3/8 LOWER SASH 29-3/8	+50/-65	1:1	N/A	NON-IMPACT
	HEIGHT 68.0	UPPER SASH 29-3/8 LOWER SASH 29-3/8				
FLAT OR SLOPE	WIDTH 36.0	UPPER SASH 29-3/8 LOWER SASH 29-3/8	+50/-65	1:1	N/A	NON-IMPACT
	HEIGHT 68.0	UPPER SASH 29-3/8 LOWER SASH 29-3/8				
FLAT OR SLOPE	WIDTH 40.0	UPPER SASH 29-3/8 LOWER SASH 29-3/8	+50/-65	1:1	N/A	NON-IMPACT
	HEIGHT 72.0	UPPER SASH 29-3/8 LOWER SASH 29-3/8				
FLAT OR SLOPE	WIDTH 40.0	UPPER SASH 29-3/8 LOWER SASH 29-3/8	+50/-65	1:1	N/A	NON-IMPACT
	HEIGHT 75.3	UPPER SASH 29-3/8 LOWER SASH 29-3/8				
FLAT OR SLOPE	WIDTH 36.0	UPPER SASH 26-2/5 LOWER SASH 26-2/5	+69/-83	1:1	N/A	NON-IMPACT
	HEIGHT 61.3	UPPER SASH 26-2/5 LOWER SASH 26-2/5				

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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 WINDMA/CSA 103/1.5.2/A448-08/11
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSMITTING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 3X AND 2X BRICKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BRICK 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 3/16 INCH OF THE DERIVED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS PRODUCT IN NON-HVHZ AREAS. IN HVHZ AREAS, ONE TIME PRODUCT APPROVAL TO BE OBTAINED FROM MIAMI-DADE PER OR AHI.
- APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: FIBREX
- IN ACCORDANCE WITH THE CURRENT EDITION FBC, WOOD CONTACT SURFACES SHALL BE PRESERVATIVE TREATED AND SHALL BE OF A DURABLE SPECIES AS DEFINED IN CHAPTER 22.

NOTES:

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

DESIGN PRESSURE UPGRADE RATING

SILL TYPE	MAX OVERALL SIZE	MAX D.L.O. SIZE	DESIGN PRESSURE	RATIO	CORNG.	MISSILE IMPACT RATING
FLAT OR SLOPE	WIDTH 30.0	UPPER SASH 29-3/8 LOWER SASH 29-3/8	+50/-65	1:1	N/A	NON-IMPACT
	HEIGHT 68.0	UPPER SASH 29-3/8 LOWER SASH 29-3/8				
FLAT OR SLOPE	WIDTH 36.0	UPPER SASH 29-3/8 LOWER SASH 29-3/8	+50/-65	1:1	N/A	NON-IMPACT
	HEIGHT 68.0	UPPER SASH 29-3/8 LOWER SASH 29-3/8				
FLAT OR SLOPE	WIDTH 40.0	UPPER SASH 29-3/8 LOWER SASH 29-3/8	+50/-65	1:1	N/A	NON-IMPACT
	HEIGHT 72.0	UPPER SASH 29-3/8 LOWER SASH 29-3/8				
FLAT OR SLOPE	WIDTH 40.0	UPPER SASH 29-3/8 LOWER SASH 29-3/8	+50/-65	1:1	N/A	NON-IMPACT
	HEIGHT 75.3	UPPER SASH 29-3/8 LOWER SASH 29-3/8				
FLAT OR SLOPE	WIDTH 36.0	UPPER SASH 26-2/5 LOWER SASH 26-2/5	+69/-83	1:1	N/A	NON-IMPACT
	HEIGHT 61.3	UPPER SASH 26-2/5 LOWER SASH 26-2/5				

NOTES:

- DP UPGRADE PRODUCT POSITIVE RATING IS DRIVEN BY STRUCTURAL ONLY. WATER IS NOT INCLUDED.
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	HEIGHT 68.0	UPPER SASH 29-3/8 LOWER SASH 29-3/8				
FLAT OR SLOPE	WIDTH 36.0	UPPER SASH 29-3/8 LOWER SASH 29-3/8	+50/-65	1:1	N/A	NON-IMPACT
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FLAT OR SLOPE	WIDTH 40.0	UPPER SASH 29-3/8 LOWER SASH 29-3/8	+50/-65	1:1	N/A	NON-IMPACT
	HEIGHT 72.0	UPPER SASH 29-3/8 LOWER SASH 29-3/8				
FLAT OR SLOPE	WIDTH 40.0	UPPER SASH 29-3/8 LOWER SASH 29-3/8	+50/-65	1:1	N/A	NON-IMPACT
	HEIGHT 75.3	UPPER SASH 29-3/8 LOWER SASH 29-3/8				
FLAT OR SLOPE	WIDTH 36.0	UPPER SASH 26-2/5 LOWER SASH 26-2/5	+69/-83	1:1	N/A	NON-IMPACT
	HEIGHT 61.3	UPPER SASH 26-2/5 LOWER SASH 26-2/5				

NOTES:

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

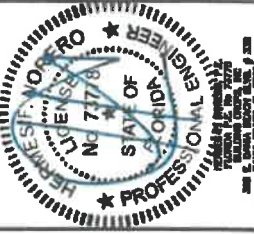
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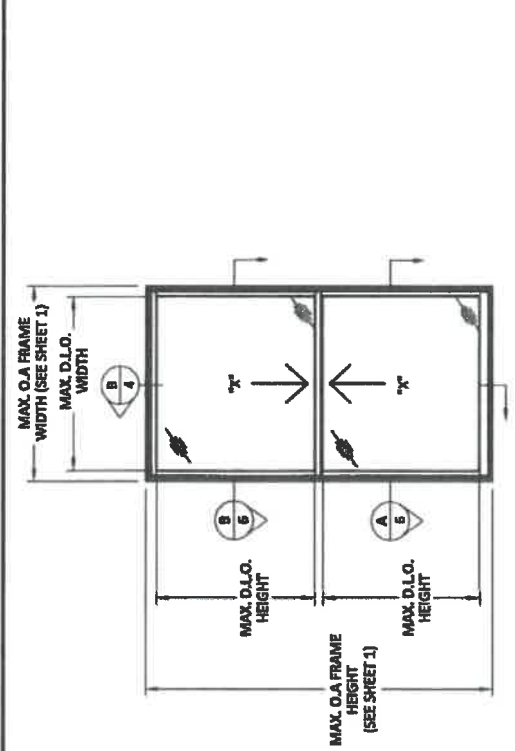
300 COUNTY AVE. WEST
BAYPORT, MN 55820-1096
PH: (800) 364-5359 FAX: (953) 264-2485
WWW.ANDERSENWINDOW.COM

PREPARED BY:
BUILDING DROPS, INC.
200 S. DEBRA ROAD, SUITE 210
COLUMBIA, SC 29904
PH: (803) 733-1111 FAX: (803) 733-1112
WWW.BUILDINGDROPS.COM

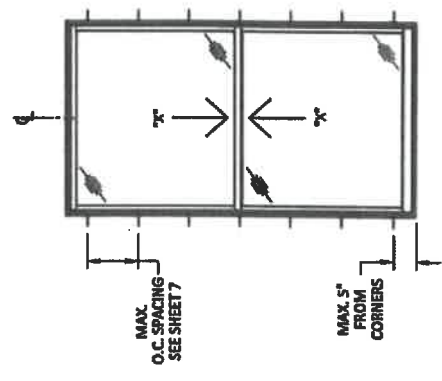
REMARKS	BY	DATE
SIZE GRID UPDATE	HR	11.26.18



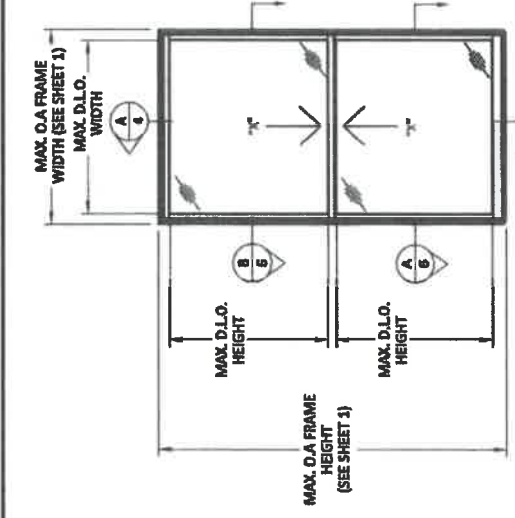
FLR: **FL27970**
 DATE: **02.22.18**
 DWG. BY: **RV** CHG. BY: **HFN**
 SCALE: **NTS**
 DWG. #: **AWD234**
 SHEET: **2** OF **7**



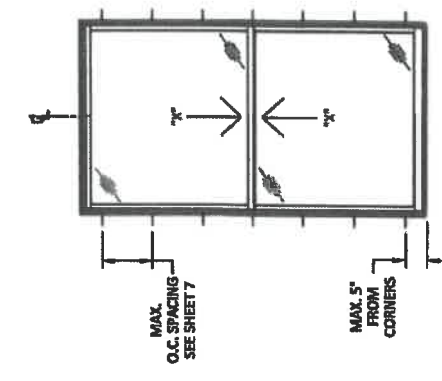
ELEVATION
DOUBLE HUNG WINDOW
FLAT SILL - 13



ANCHOR LAYOUT
THROUGH FRAME - DOUBLE HUNG WINDOW
FLAT SILL - 13



ELEVATION
DOUBLE HUNG WINDOW
SLOPE SILL - 11



ANCHOR LAYOUT
THROUGH FRAME - DOUBLE HUNG WINDOW
SLOPE SILL - 11

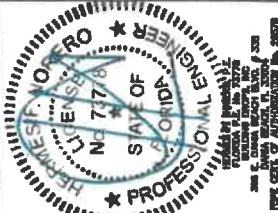


PREPARED BY:
BUILDING DROPS, INC.
 300 S. DANA ROAD, SUITE 200
 DANA POINT, CA 92629
 FAX: (949) 444-4738
 WWW: www.bldgdrps.com

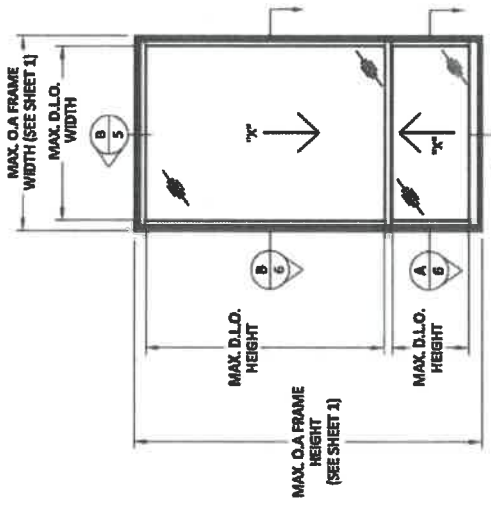
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 WINDOW (NON-IMPACT)(NON-HWZ)
 ELEVATIONS AND
 ANCHOR LAYOUTS

REMARKS:
 SEE GRID UPDATE

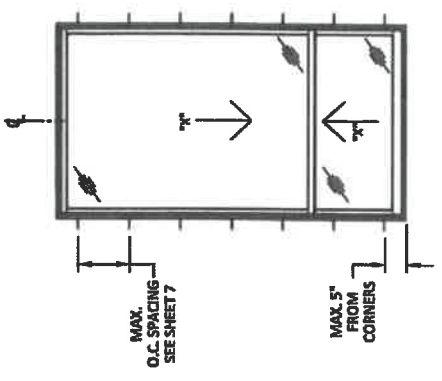
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 HR 01.26.11



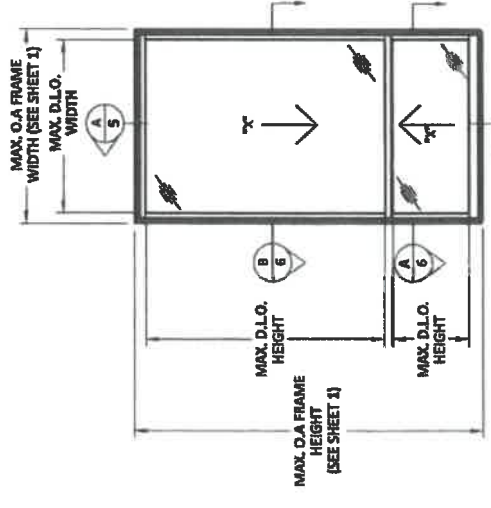
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DATE: 02.22.18
DWG. BY: RV
CHK. BY: HFN
SCALE: NTS
DWG. #: AWD234
SHEET: 3
 OF 7



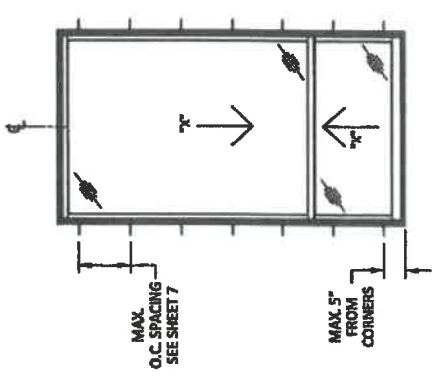
ELEVATION
 DOUBLE HUNG WINDOW
 FLAT SILL - 3:1



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



ELEVATION
 DOUBLE HUNG WINDOW
 SLOPE SILL - 3:1



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

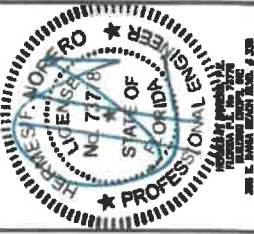


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300 E. DAVENPORT BLVD., STE. 100
MILWAUKEE, WI 53212
PH: (414) 441-4470
WWW.BUILDINGDROPS.COM

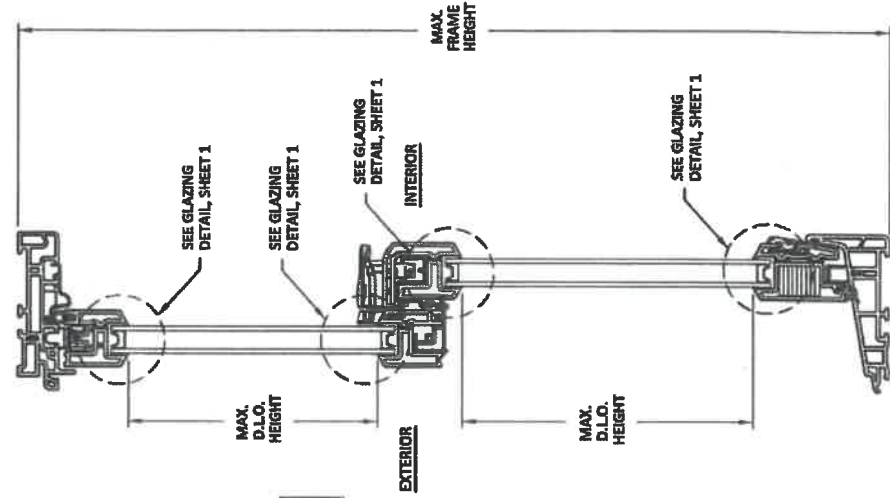


REMARKS	BY	DATE
SIZE GRID UPDATE	HR	11.26.11



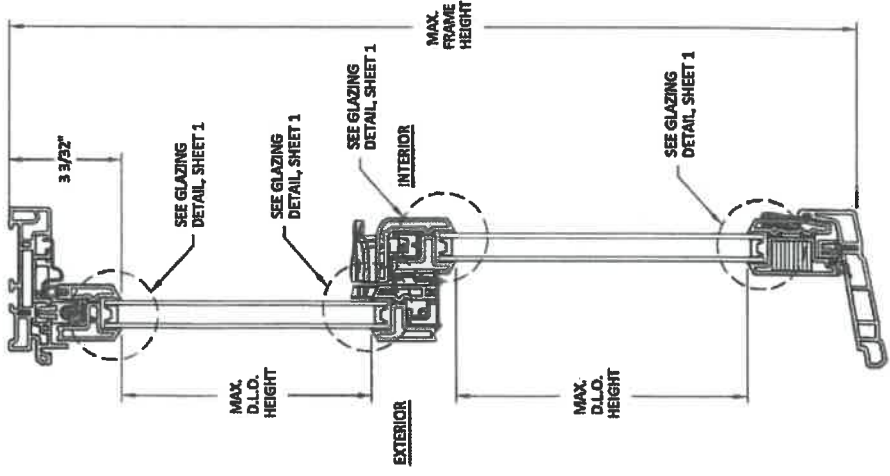
PL # **FL27970**
DATE: **02.22.18**
DWG. BY: **RV** CHK. BY: **HFN**
SCALE: **NTS**
DWG. #: **AWD234**
SHEET:

4 OF 7



- 1 POCKET NOTCH
- 2 EJ FRAME

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

A 4
VERTICAL SECTION
SLOPE SILL 1:1



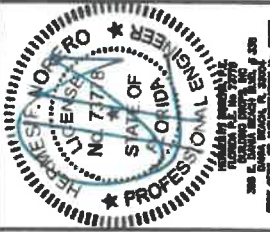
300 FORTUARY AVE NORTH
 WILMINGTON, NC 28403
 PHONE: 704-374-3100 FAX: 704-374-3446

PREPARED BY:
BUILDING DROPS, INC.
 2800 E. DUNN BEACH BLVD., FT. LAUDERDALE, FL 33308
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REMARKS	BY	DATE
SIZE GRID UPDATE	HR	11.26.18

THIS PROJECT IS THE PROPERTY OF BUILDING DROPS, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. A LICENSED PROFESSIONAL ENGINEER HAS REVIEWED THIS DOCUMENT.

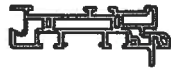


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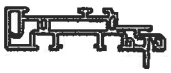
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OF 7

DS SERIES DOUBLE HUNG WINDOW (NON-IMPACT)(NON-HHZ)
 HORIZONTAL SECTIONS

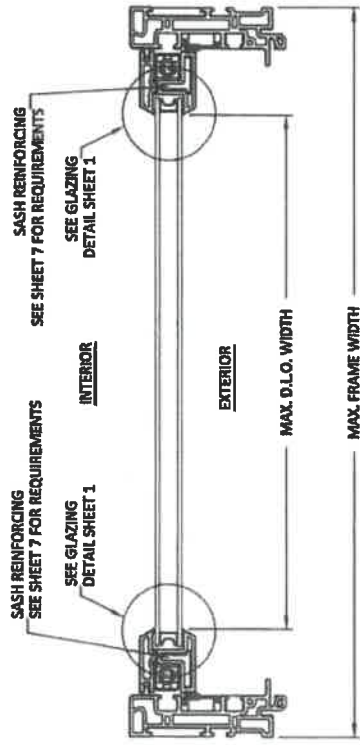


2 EJ FRAME

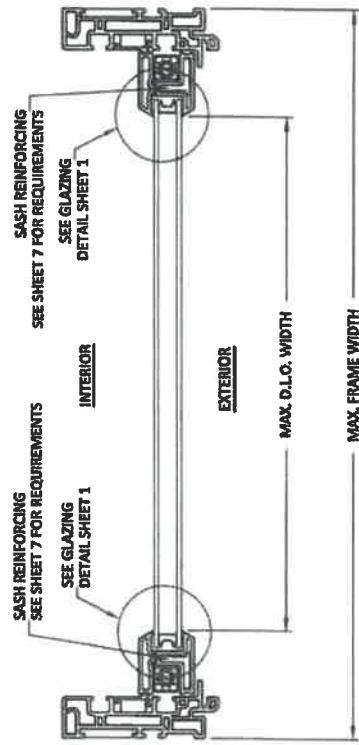


1 POCKET NOTCH

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



A HORIZONTAL SECTION LOWER SASH

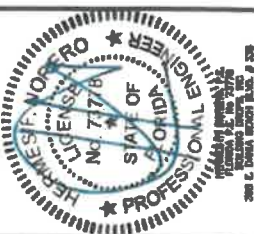


B HORIZONTAL SECTION UPPER SASH

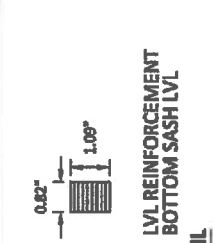
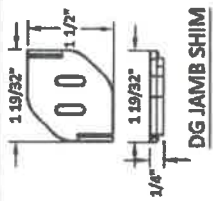


PREPARED BY:
BUILDING DROPS, INC.
 300 E. OAKA WALK FL. 200
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 WWW.BUILDINGDROPS.COM

DATE: 02.22.18
 BY: HFN
 CHECKED BY: NTS
 SCALE: AWD234
 SHEET: 7



FL #: **FL27970**
 DATE: **02.22.18**
 DWG. BY: **RV** CHK. BY: **HFN**
 SCALE: **NTS**
 DWG. #: **AWD234**
 SHEET: **7** OF **7**



METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	WOOD: MIN. SG = 0.65 METAL: 18 GAUGE Sheet, MIN. Fy = 33KSI	#10 WOOD SCREW FLAT HEAD #10 TEK SCREW FLAT HEAD	1.5" 3 THREADS MIN PENETRATION BEYOND METAL	0.75"
	CONCRETE: MIN. Fc=3000PSI MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON FLATHEAD 3/16" ITW TAPCON FLATHEAD	1.25" 1"	0.5" 2.5 2.25

**Anchor Schedule - Max O.C. Spacing
Standard Double Hung Grid, +/- 30 PSF**

Height (in.)	Width (in.)
24	36
27	48
36	54
48	17.0
60	24.0
72	19.0
76	16.7
84	20.7
96	-

**Anchor Schedule - Max O.C. Spacing
Standard Double Hung Grid, +/- 40 PSF**

Height (in.)	Width (in.)
24	48
27	8.5
36	8.5
48	13.0
60	13.0
72	19.0
76	13.0
84	13.0
96	13.0

**Anchor Schedule - Max O.C. Spacing
Fixed Upper Sash Double Hung Grid
(INSERT AND BASE FRAME), +/- 40 PSF**

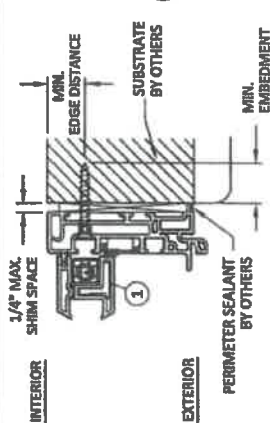
Height (in.)	Width (in.)
24	36
27	8.5
36	8.5
48	8.5
60	13.0
72	13.0
76	13.0
84	13.0
96	13.0

**Anchor Schedule - Max O.C. Spacing
DP Upgrade Double Hung Grid, +/- 65 PSF**

Height (in.)	Width (in.)
24	32
27	8.5
36	8.5
48	13.0
60	13.0
72	12.7
76	12.7
84	12.4
96	11.0

**Anchor Schedule - Max O.C. Spacing
DP Upgrade Double Hung Grid, +/- 81 PSF**

Height (in.)	Width (in.)
62	36
	18.5



A HORIZONTAL SECTION
THROUGH FRAME (JAMB)

- 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 3/4 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.
 - SHIMS 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. 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 POST SUBSTRATE. SEE GENERAL NOTE #8 ON SHEET 1 FOR MORE INFORMATION.
 - MINIMUM EMBEDMENT AND EDGE DISTANCE EXCEED WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FRAM, 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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Product Approval
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FL #	FL19563-R6																		
Application Type	Affirmation																		
Code Version	2023																		
Application Status	Approved																		
Comments	Archived																		
Product Manufacturer Address/Phone/Email	Andersen Corporation 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_R6_COI_COI Andersen_SS 2021-10-18.pdf																		
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th><u>Standard</u></th> <th><u>Year</u></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>	<u>Standard</u>	<u>Year</u>	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
<u>Standard</u>	<u>Year</u>																		
AAMA/WDMA/CSA 101/I.S.2/A440	2008																		
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AAMA/WDMA/CSA 101/I.S.2/A440	2017																		
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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_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_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_II_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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RENEWAL BY ANDERSEN SERIES GLIDER WINDOW (NON-HVHZ)



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MINNETONKA, MN 55345-3200
TEL: 952.895.2200 FAX: 952.895.2201
WWW.ANDERSEN.COM

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

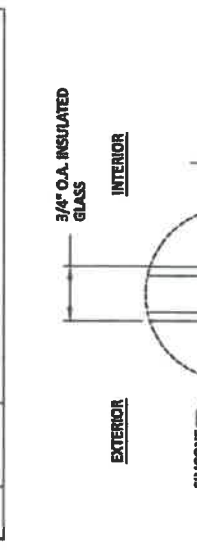
REVISIONS

NO.	DATE	DESCRIPTION
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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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3	-	ELEVATIONS
4	-	ANCHOR LAYOUTS
5	-	ANCHOR LAYOUTS
6	-	VERTICAL SECTIONS
7	-	HORIZONTAL SECTIONS
8	-	ANCHOR DETAILS
9	-	INSTALLATION NOTES & ANCHOR SCHEDULE



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

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
58" X 60"	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	+40.0 / -40.0 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 68"	XO	+65.0 / -70.0 PSF	1:1
40" X 60"	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	+28.0 / -28.0 PSF	1:1.1 & 1:2.1
120" X 64"	XOX	+28.0 / -28.0 PSF	1:1.1 & 1:2.1
58" X 48"	XOX	+60.0 / -70.0 PSF	1:1.1 & 1:2.1
74" X 64"	XOX	+50.0 / -45.0 PSF	1:1.1 & 1:2.1
108" X 64"	XOX	+40.0 / -40.0 PSF	1:1.1 & 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 101/1.5/4/440-08/11
 - ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING SUILED PRODUCT WEIGHT AND PRESSURE TO THE RESISTIVE SYSTEM OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
 - 1X AND 2X BLOCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BLOCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
 - INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/4 INCH OF THE DEFLECTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
 - THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT IN NON-HVHZ AREAS.
 - APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
 - WINDOW FRAME MATERIAL: FIBREX & PVC
 - IN ACCORDANCE WITH THE CURRENT EDITION FBC, WOOD COMPONENTS SHALL HAVE BEEN PRESERVATIVE TREATED OR SHALL BE OF A DURABLE SPECIES AS DEFINED IN CHAPTER 23.
 - GLASS SHALL MEET THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.

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

*SEE FRAME DESCRIPTIONS ON SHEET 6 & 8



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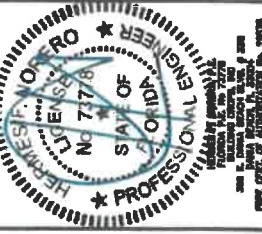
ELEVATIONS
RENEWAL SERIES GUIDING WINDOW (NON-HVHZ)



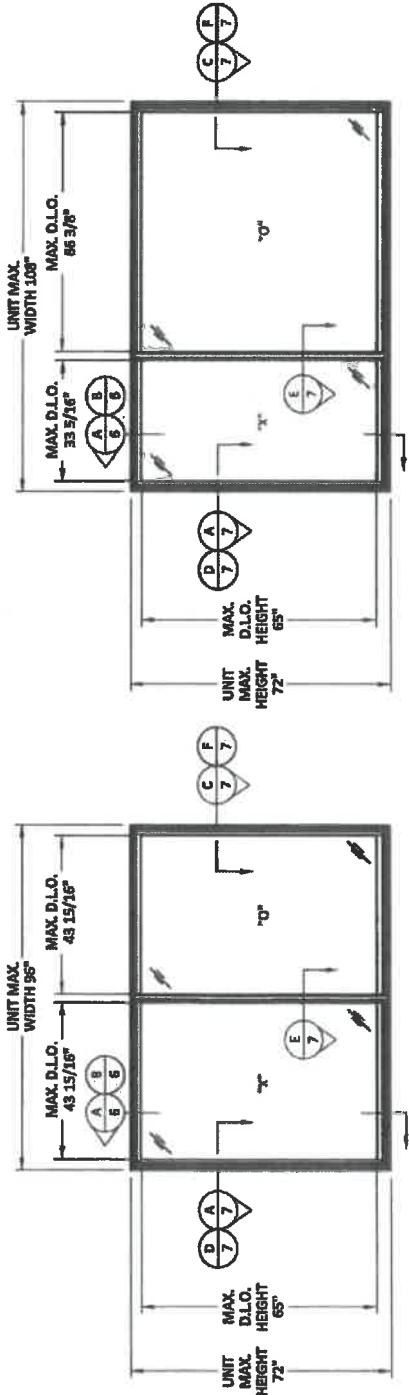
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300 S. DEAN STREET, SUITE 200
CHICAGO, IL 60604
PH: (312) 462-4675

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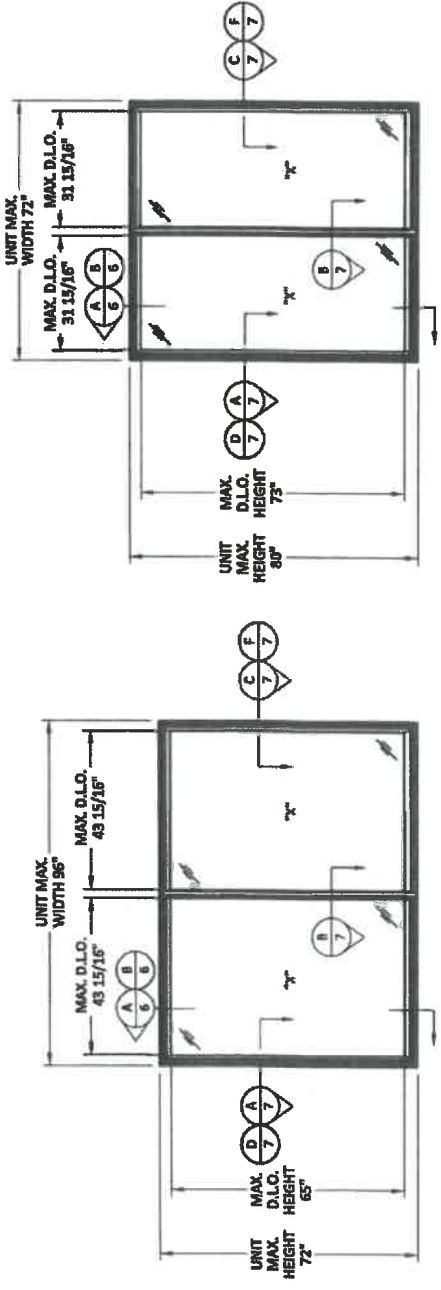
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SCALE: **NTS**
DWG. NO.: **AWD243**
SHEET: **2** OF **9**



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



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

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

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

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

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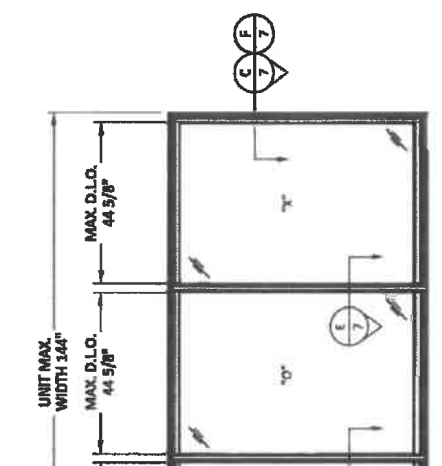
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 BUILDING DROPS, INC.
 290 E. DANA BEACH BLVD., STE. 100
 DANA BEACH, FL 33428
 TEL: (561) 264-4328 FAX: (561) 264-4328

TITLE: RENEWAL SERIES GUIDING WINDOW (NON-HVZ) ELEVATIONS

REMARKS	BY	DATE

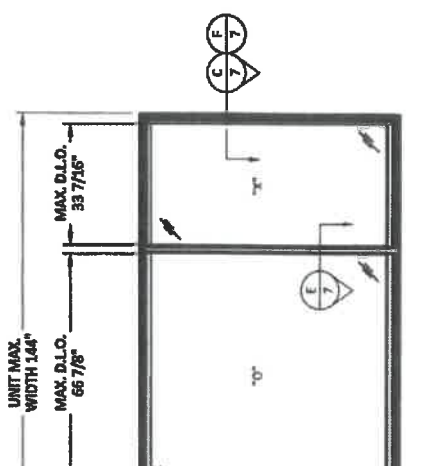
PROFESSIONAL ENGINEER
 JAMES R. JOHNSON
 LICENSE NO. 71778
 STATE OF FLORIDA
 2008
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DWG. #: AWD243
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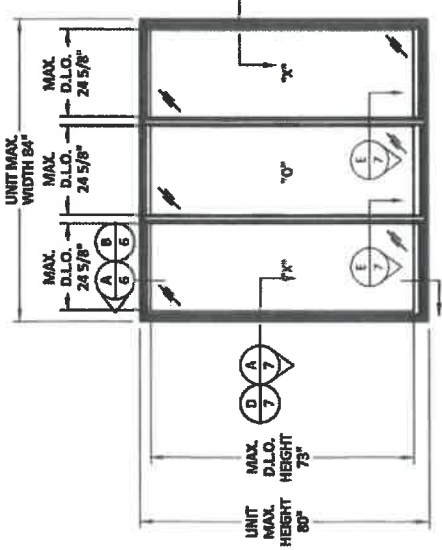


NOTE:
 ALTERNATE MEETING STYLE LOCATIONS MAY BE USED SUCH THAT MAX. D.L.O DIMENSIONS SHOWN HEREIN ARE NOT EXCEEDED.

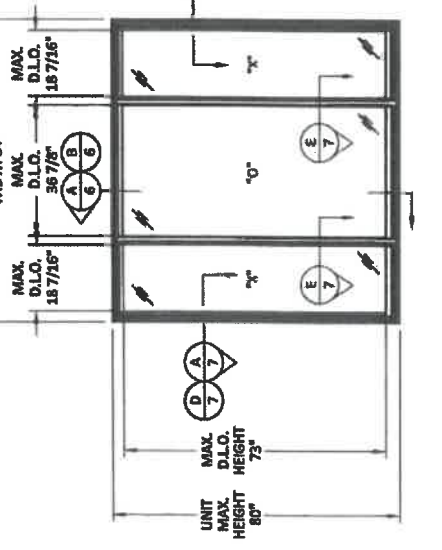
ELEVATION
 144" X 72" XOX UNIT
 1:1:1 SASH RATIO



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



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



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



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WINDOW (NON-HVZ)
RENEWAL SERIES GLIDING
(NON-HVZ)

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SHEET: 4

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 "XO" GLIDER 1:2 SASH RATIO	MAIL FIN	3.5	3.5	3.5	3.5
	INSTALLATION CLIP	5.5	15.25	15.25	16
	THROUGH FRAME	5.5	10.125	NOTES	15.25
"XO" OR "XO" GLIDER 1:2 SASH RATIO	MAIL 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

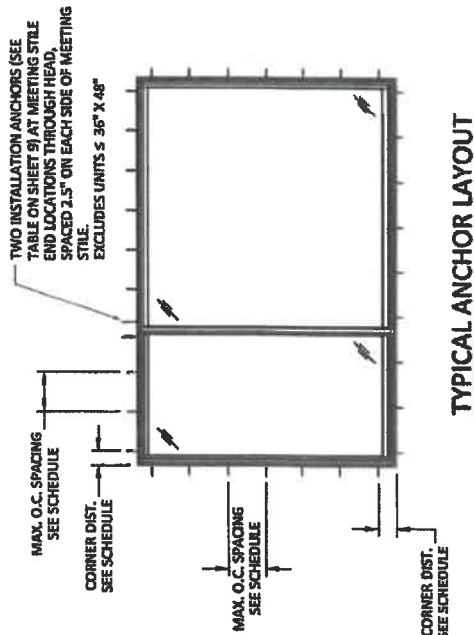
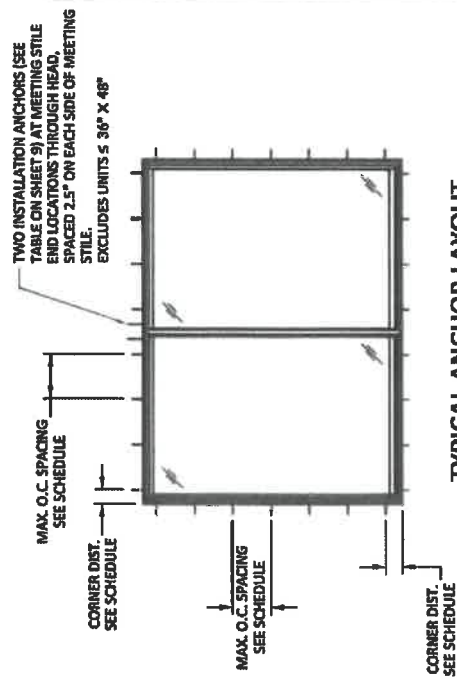
INSTALLATION NOTES:

- 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.

INSTALLATION NOTES:

- DP UPGRADE PRODUCTS WHEN ANCHORING WITH ITW 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)
"XO" OR "XO" GLIDER 1:2 SASH RATIO	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	9	9	9
	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	9	9	9
"XO" OR "XO" GLIDER 1:2 SASH RATIO	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	9	9	9
	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	12.5	12.5	12.5
"XO" OR "XO" GLIDER 1:2 SASH RATIO	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	15.25	15.25	15.25
	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	15.25	15.25	15.25



ALL METHODS OF INSTALLATION REQUIRE A CONTINUOUS $\frac{1}{2}''$ BEAD OF SILICONE BELOW THE SILL



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(NON-HVHZ)
RENEWAL SERIES GUIDING
WINDOW (NON-IMPACT)

BY DATE



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

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INSTALLATION NOTES:

- FOR THROUGH FRAME INSTALLATIONS, INSTALLATION CLIPS MUST BE USED AT THE SILL IN LIEU OF FASTENERS THROUGH FRAME. EXPANDED 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 12 OR 12:1 SASH RATIOS FROM TABLE ABOVE.
- REFER TO SHEET 1, INSTALLATION NOTES 4-11 FOR ANCHOR TYPE DEPENDENT ON INSTALLATION METHOD AND SUBSTRATE.

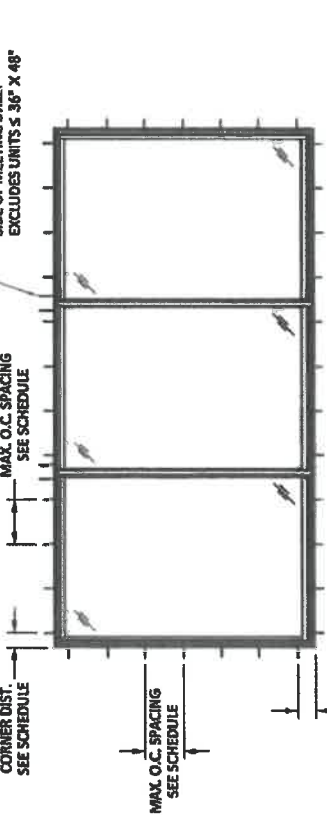
INSTALLATION NOTES:

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

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	NAIL FIN	3.5	3.5	3.5	3.5
"XOX" GLIDER	INSTALLATION CLIP	5.5	14.5	14.5	16
"XOX" GLIDER	THROUGH FRAME	5.5	10.375	SEE NOTES	21.5
"XOX" GLIDER	NAIL FIN	3.5	3.5	3.5	3.5
"XOX" GLIDER	INSTALLATION CLIP	5.5	12.125	12.125	16
"XOX" GLIDER	THROUGH FRAME	5.5	10.5	SEE NOTES	22

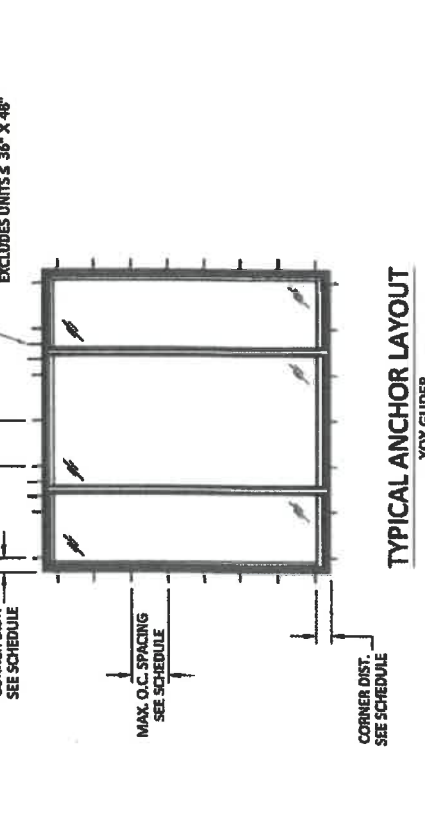
RENEWAL SERIES DP UPGRADE GLIDER ANCHOR SPACING					
CONFIG. & SIZE	INSTALLATION METHOD	FROM CORNERS (IN)	MAX O.C. HEAD (IN)	MAX O.C. SILL (IN)	MAX O.C. JAMBS (IN)
XOX 12" X 48" GLIDER	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	9	9	9
XOX 12" X 64" GLIDER	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	9	9	9
XOX 12" X 72" GLIDER	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	10.5	12.125	13.75
XOX 12" X 84" GLIDER	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	10.5	12.125	19.25
XOX 12" X 96" GLIDER	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	10.5	12.125	17.5

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 THROUGH HEAD, SPACED 2.5" ON EACH SIDE OF MEETING STILE. EXCLUDES UNITS ≤ 36" X 48"



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



300 FOUNTAIN VIEW NORTH
 BAYPORT, NY 11709-1006
 P.O. BOX 300-310 P.O. BOX 300-310

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 100 S. DANA ROAD, SUITE 100
 FORT LAUDERDALE, FL 33304
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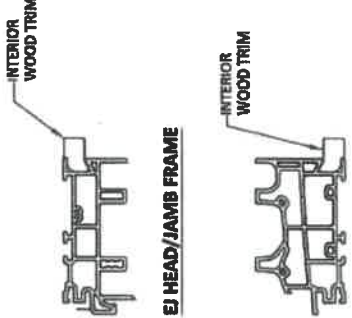
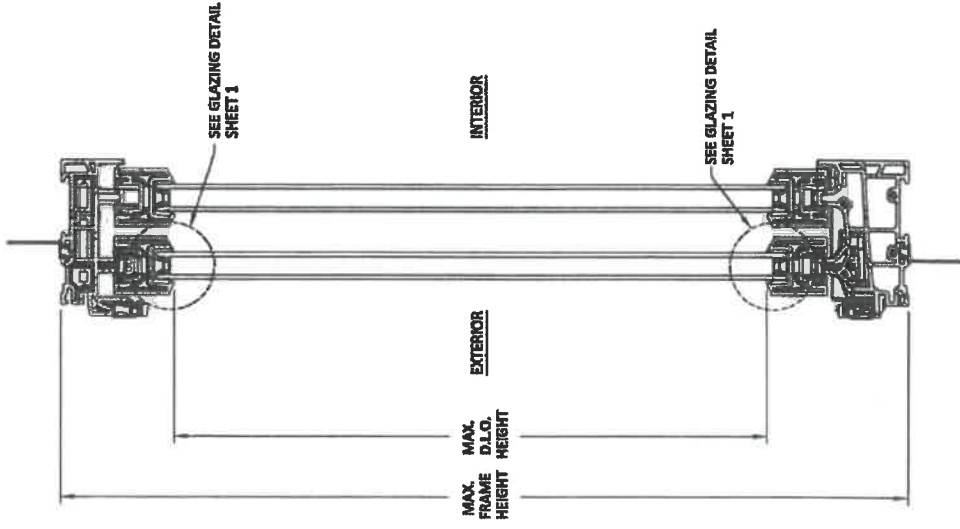
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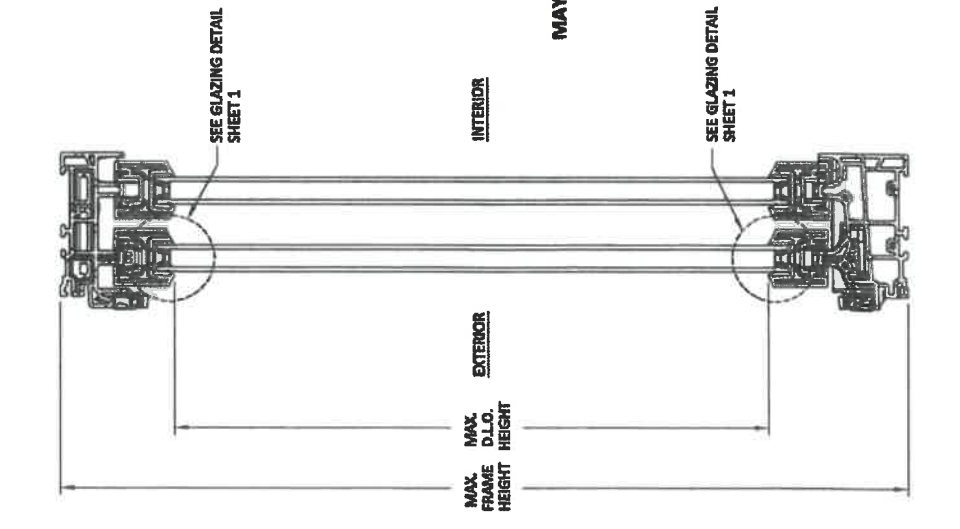


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 DATE: **11.07.18**
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 SCALE: **NTS**
 DWG. #: **AWD243**
 SHEET:

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ALTERNATE EJ FRAME
 MAY BE USED AS EQUAL ALTERNATE FRAME TYPE



B VERTICAL SECTION
 NAIL FIN INSTALLATION

A VERTICAL SECTION
 THROUGH FRAME AND THROUGH CLIP INSTALLATION

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



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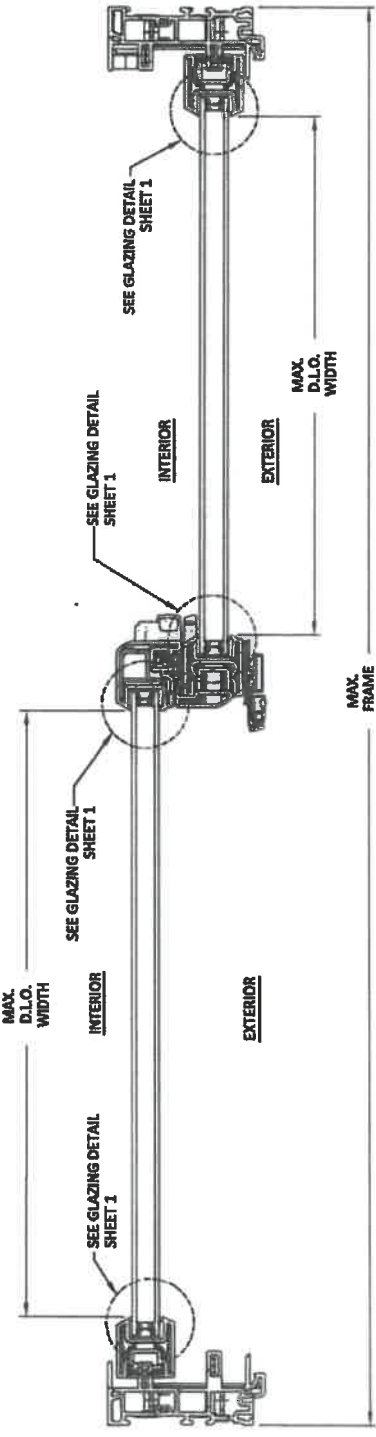
CHK. BY: HFN

SCALE: NTS

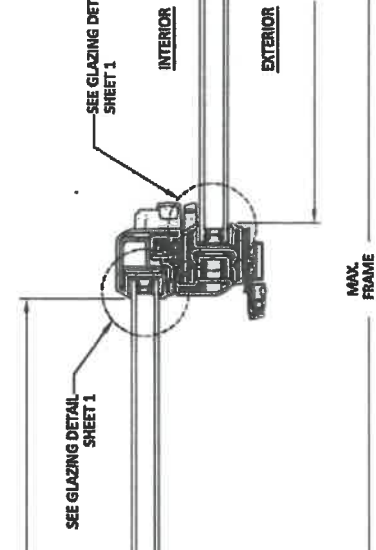
DWG. #: AWD243

SHEET: 7

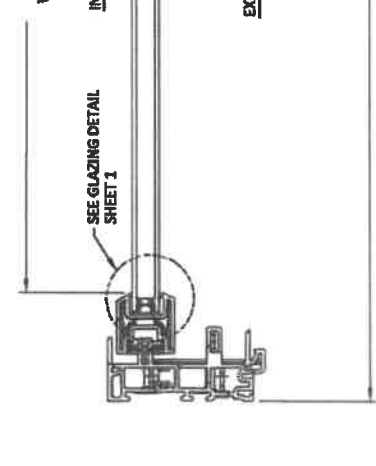
OF 9



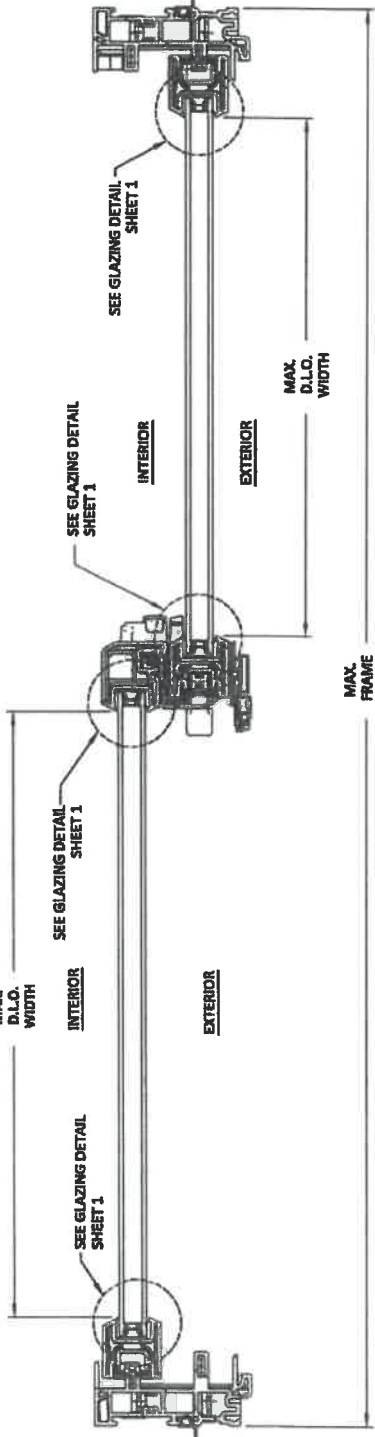
A HORIZONTAL SECTION
THROUGH FRAME AND THROUGH CLIP INSTALLATION



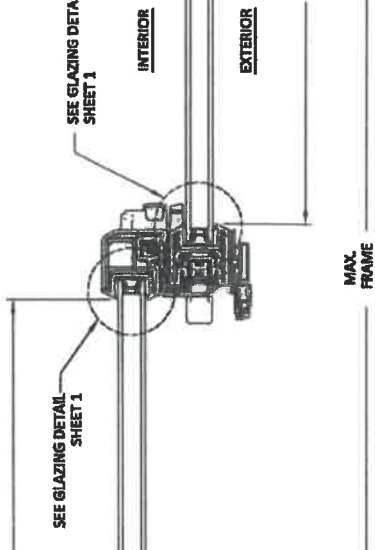
B HORIZONTAL SECTION
ACTIVE/PASSIVE MEETING STILE



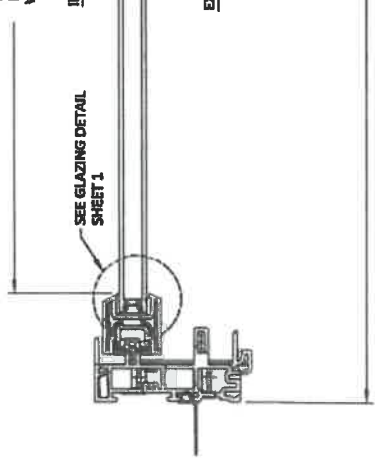
C HORIZONTAL SECTION
THROUGH FRAME AND THROUGH CLIP INSTALLATION



D HORIZONTAL SECTION
NAIL FIN INSTALLATION



E HORIZONTAL SECTION
ACTIVE/STATIONARY MEETING STILE



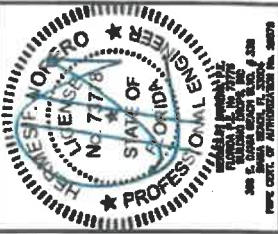
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NAIL FIN INSTALLATION



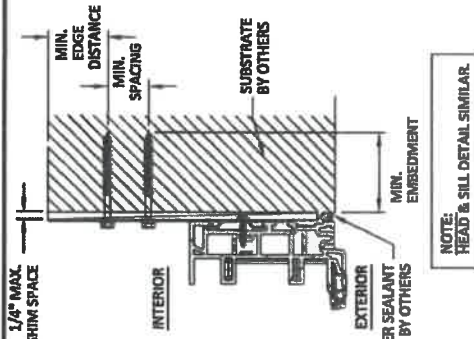
RENEWAL SERIES GLIDING WINDOW (NON-HIHZ) ANCHOR DETAILS
 PREPARED BY: BUILDING DROPS, INC.
 300 S. DAVENPORT BLVD., STE. 300
 ANN ARBOR, MI 48106-4000
 PH: (800) 764-5350 FAX: (800) 764-5408
 WWW.ANDERSENWINDOWS.COM

DATE	BY

REMARKS

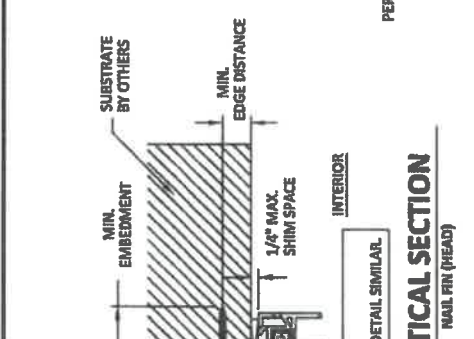


FL #:
 DATE: 11.07.18
 DWG. BY: RV
 CHK. BY: HFN
 SCALE: NTS
 DWG. #: AWD243
 SHEET: 8 OF 9



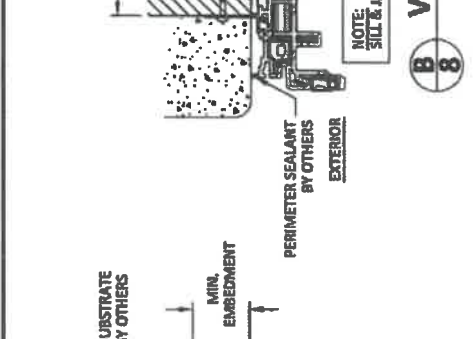
A VERTICAL SECTION
 THROUGH FRAME (HEAD)

NOTE: SILL & JAMB DETAIL SIMILAR.



B VERTICAL SECTION
 SILL & JAMB DETAIL

NOTE: SILL & JAMB DETAIL SIMILAR.



C HORIZONTAL SECTION
 THROUGH CLIP (JAMB)

NOTE: HEAD & SILL DETAIL SIMILAR.



D ACTIVE SASH MEETING STILE
 REINFORCEMENT DETAIL



E PASSIVE/STATIONARY SASH MEETING
 STILE REINFORCEMENT DETAIL



F INSTALLATION CLIP DETAIL



G JAMB SHIM

SIZE	REINFORCING
UNIT HEIGHT \geq 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 HVH SMS ANCHORS PER CLIP, IN ROW NUMBER ONE OF PREDRILLED HOLES SHOWN BELOW.
 CONCRETE/MASONRY: USE TWO 3/8" 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.

THE INSTALLER SHALL VERIFY THE SUBSTRATE TYPE AND CONDITION. THE SUBSTRATE SHALL BE SUFFICIENTLY STRONG TO SUPPORT THE WINDOW WEIGHT AND TO BE PROPERLY PREPARED FOR ANCHORING. FAILURE TO VERIFY SUBSTRATE TYPE AND CONDITION SHALL BE AT THE INSTALLER'S SOLE RISK. THE INSTALLER SHALL VERIFY THE SUBSTRATE TYPE AND CONDITION. THE SUBSTRATE SHALL BE SUFFICIENTLY STRONG TO SUPPORT THE WINDOW WEIGHT AND TO BE PROPERLY PREPARED FOR ANCHORING. FAILURE TO VERIFY SUBSTRATE TYPE AND CONDITION SHALL BE AT THE INSTALLER'S SOLE RISK.



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RENEWAL SERIES GLIDING
WINDOW (NON-IMPACT)
(NON-HVHZ)
INSTALLATION NOTES &
ANCHOR SCHEDULE

PREPARED BY:
BUILDING DROPS, INC.
396 E. DANA BEACH BLVD., STE. 202
DANA BEACH, CA 92625-4878
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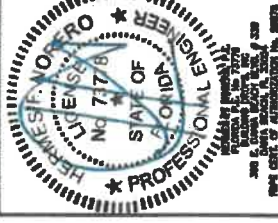


REMARKS

BY DATE

TTFF

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PL #:

DATE: 11.07.18

DWG. BY: RV

SCALE: NTS

DWG. #: AWD243

SHEET: 9

OF 9

ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	WOOD: MIN. SG = 0.55 METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	#19 WOOD SCREW FLAT HEAD #10 TEK SCREW FLAT HEAD	1.5" 3 THREADS MIN PENETRATION BEYOND METAL	0.75" 0.5"
THROUGH FRAME THROUGH CLIP	CONCRETE: MIN. Fc=3000PSI MASONRY: CMU PER ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON FLATHEAD 3/16" ITW TAPCON FLATHEAD	1.25" 1"	2.5 2.25
NAIL FIN & THROUGH CLIP	WOOD: MIN. SG = 0.55 METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	#8 WOOD SCREW FLAT HEAD #8 TEK SCREW FLAT HEAD	1.5" 3 THREADS MIN PENETRATION BEYOND METAL	0.75" 0.5"

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 BY 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 SHIMS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/2 INCH OR GREATER OCCURS. SHIMS 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.