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Product Approval
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SECRETARY

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> <thead> <tr> <th>Standard</th><th>Year</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> </tbody> </table>	Standard	Year	AAMA/WDMA/CSA 101/I.S.2/A440	2011	TAS 201	1994
Standard	Year						
AAMA/WDMA/CSA 101/I.S.2/A440	2011						
TAS 201	1994						

TAS 202
TAS 203

1994
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
Date Approved 08/09/2023
Date Revised 08/27/2024

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

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

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Product Approval Accepts:



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Andersen.
AW
WINDOWS • DOORS

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), EXCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/1.5.2/A440-08/11

DO SERIES DOUBLE HUNG
WINDOW
(NON-IMPACT)(NON-HVHZ)
GENERAL NOTES & GLAZING DETAIL

DO SERIES DOUBLE HUNG
WINDOW
(NON-IMPACT)(NON-HVHZ)
GENERAL NOTES & GLAZING DETAIL

3	-	ELEVATIONS & A
4	-	VERTICAL

5	-		VERTICAL
6	-		HORIZONTAL
7	-		INSTALLATION NOTES, REINFORCEMENT

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.

Digitally signed by: Hernan, F. Norero, P.E.
Reason: I am approving this document
Date: 2018.12.16-19:37:34 -0500

HERMES P. ROMERO, P.E.
 3906 E. DANIA BEACH BLVD., # 338
 BUILDING GROUPS, INC.
 STATE OF FLORIDA
 LICENSE NO. 73778
 PROFESSIONAL ENGINEER
 FIBRE CERT. OF AUTHORIZATION NO. 9578

GLAZING DETAIL 1

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 CBC.
3. SETTING BLOCK SHOULD BE 70-90 DUROMETER AS PER CH 24 OF THE CURRENT CBC.
4. GLASS LITES THAT EXCEED 36" IN WIDTH SHALL USE SETTING BLOCKS AT 1/4 SPAN FROM CORNERS.

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 CBC.
3. SETTING BLOCK SHOULD BE 70-90 DUROMETER AS PER CH 24 OF THE CURRENT CBC.
4. GLASS LITES THAT EXCEED 36" IN WIDTH SHALL USE SETTING BLOCKS AT 1/4 SPAN FROM CORNERS.

1. GLASS TYPE / THICKNESS SHALL COMPLY WITH ASTM E-1301 GLASS HATE REQUIREMENTS.
2. ALL GLAZING CONFIGURATIONS SHALL COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN CURRENT CBC.
3. SETTING BLOCK SHOULD BE 70-90 DUROMETER AS PER CH 24 OF THE CURRENT CBC.
4. GLASS LITES THAT EXCEED 36" IN WIDTH SHALL USE SETTING BLOCKS AT 1/4 SPAN FROM CORNERS.

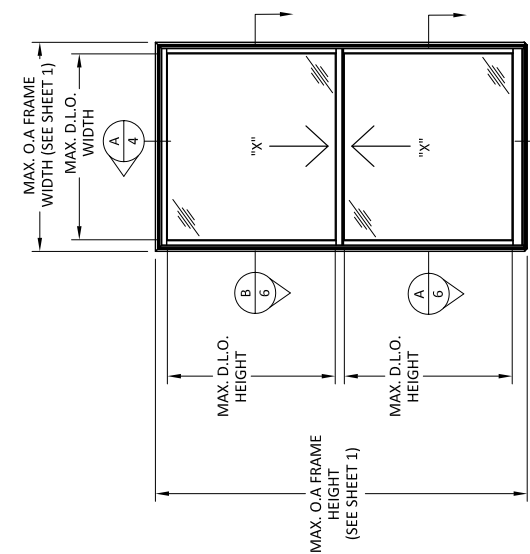
2. ALL GLAZING CONFIGURATIONS SHALL COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN CURRENT CBC
3. SETTING BLOCK SHOULD BE 70-90 DUROMETER AS PER CH 24 OF THE CURRENT CBC.
4. GLASS LITES THAT EXCEED 36" IN WIDTH SHALL USE SETTING BLOCKS AT 1/4 SPAN FROM CORNERS.

3. SETTING BLOCK SHOULD BE 70-90 DUROMETER AS PER CURRENT FCC
4. SETTING BLOCKS AT 1/4 SPAN FROM CORNERS; GLASS LITES THAT EXCEED 36" IN WIDTH SHALL USE CH 24 OF THE CURRENT FCC.

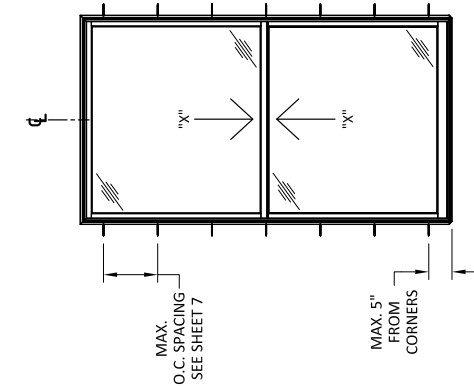
4. GLASS LITES THAT EXCEED 36" IN WIDTH SHALL USE SETTING BLOCKS AT 1/4 SPAN FROM CORNERS.

SETTING BLOCKS AT 1/4 SPAN FROM CORNERS.

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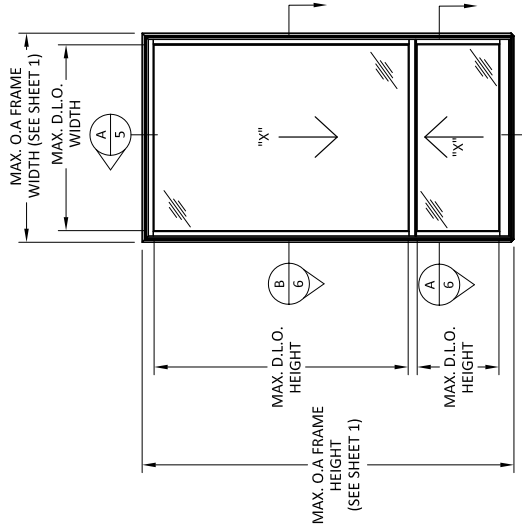


ELEVATION
DOUBLE HUNG WINDOW
SLOPE SILL - 1:1

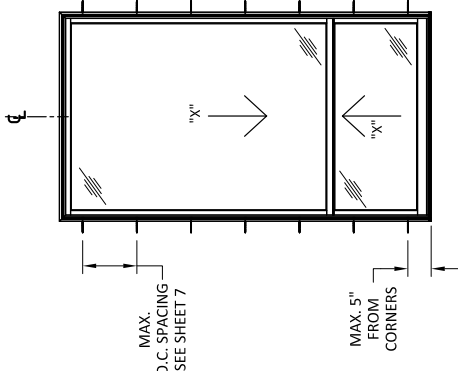


ANCHOR LAYOUT

						100 CORTLAND AVE NORTH BAYPORT, MN 55803-1096 PH: (651) 264-5150, FX: (651) 264-5485							
DG SERIES DOUBLE HUNG WINDOW (NON-IMPACT)/(NON-HVHZ)						ELEVATIONS AND ANCHOR LAYOUTS							
TITLE: BUILDING DROPS, INC.						PREPARED BY:							
						398 E. DANIA BEACH BLVD., STE. 308 DANIA BEACH, FL 33004 PH: (954) 399-0478 FAX: (954) 399-0478 WEB: www.buildingdrops.com							
REMARKS						BY	DATE						
SIZE GRID UPDATE						HR	11.26.18						
(THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERAL IN NATURE AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC PROJECT. THESE DETAILS SHALL BE USED AS A GUIDE TO THE REQUIREMENTS DEFINED HEREIN. A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS TO GOVERN THIS DOCUMENT.)													
FLORIDA PROFESSIONAL ENGINEER No. 73778 STATE OF FLORIDA BUILDING DROPS, INC. 398 E. DANIA BEACH BLVD., STE. 308 DANIA BEACH, FL 33004 FBPE CERT. OF AUTHORIZATION NO. 29578													
FL #:		FL27970											
DATE: 02.22.18													
DWG. BY:	CHK. BY:												
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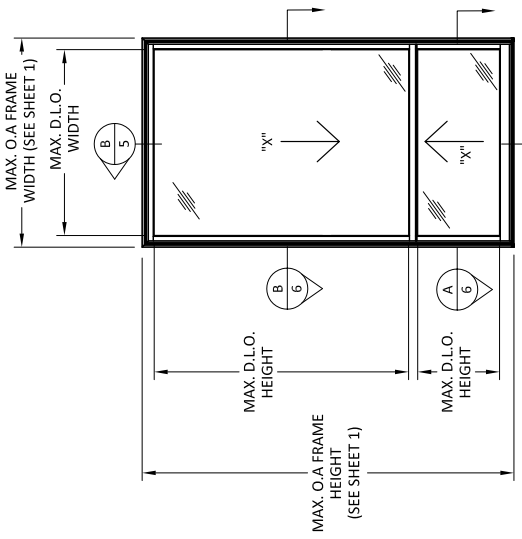


ELEVATION
DOUBLE HUNG WINDOW
SLOPE SILL - 3:1

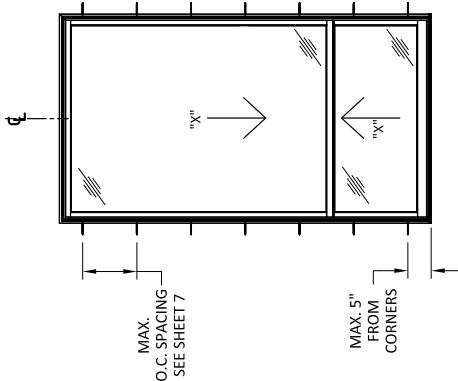


ANCHOR LAYOUT

THROUGH FRAME - DOUBLE HUNG WINDOW
FLAT SILL 3:1



ELEVATION
DOUBLE HUNG WINDOW
FLAT SILL 3:1

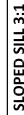


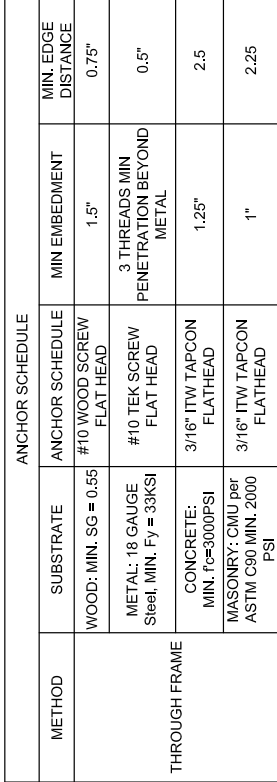
ANCHOR LAYOUT

THROUGH FRAME - DOUBLE HUNG WINDOW

FLAT SILL 3:1







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

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

Anchor Schedule - Max O.C. Spacing			
Fixed Upper Sash Double Hung Grid (INSERT AND BASE FRAME), +/- 40 PSF			
Width (in.)			
Height (in.)	24	32	40
27	8.5	8.5	8.5
36	13.0	13.0	13.0
48	19.0	12.7	12.7
60	24.0	16.7	12.5
72	20.7	15.5	12.4
76	22.0	13.2	11.0
Anchor Schedule - Max O.C. Spacing			
DP Upgrade Double Hung Grid, +69/-81 PSF			
Width (in.)			
Height (in.)	36		
62	16.5		

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION 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 SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE $1/4$ INCH. SHIM WHERE SPACE OF $1/16$ INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
5. DG JAMB SHIM TO BE USED BETWEEN THE FRAME AND THE $1/4$ INCH. SHIM STACK.
6. 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.
7. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
8. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
9. 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.
10. 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.