

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	Andersen	Double Hung	FL 27970.1
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
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.

 05-24-24
Contractor OR Agent Signature Date

NOTES: _____



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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> <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> <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	2011	TAS 201	1994	TAS 202	1994	TAS 203	1994
Standard	Year										
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

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_IL_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_IL_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:



Credit Card
Safe

SECURITY METRICS

ANDERSEN CORPORATION

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

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), EXCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AIAA/NBMA/CSA 1017.1.2/4440-08/11
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 BLOCKS (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 3/4" 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 GENERAL 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 DETAILS IN ACCORDANCE WITH THE CURRENT FBC. APPROVAL TO BE OBTAINED FROM MINIM-JUDE RER OR AIA.
6. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
7. WINDOW FRAME MATERIAL: FIBREX
8. IN ACCORDANCE WITH THE CURRENT EDITION FBC, WOOD COMPONENTS SHALL HAVE BEEN PRESERVATIVE TREATED OR SHALL BE OF A DURABLE SPECIES AS DEFINED IN CHAPTER 23.

SILL TYPE	MAX OVERALL SIZE		HEIGHT	MAX D.L.O. SIZE				DESIGN PRESSURE	RATIO	CONFG.	MISSILE IMPACT RATING
	WIDTH	DEPTH		WIDTH	UPPER SASH	LOWER SASH					
FLAT OR SLOPE	32.0	76.0	25-15/16	33-3/8	33-3/8	33-3/8		+/-40			
	40.0	76.0	33-15/16	33-3/8	33-3/8	33-3/8					
	48.0	76.0	41-15/16	33-3/8	33-3/8	33-3/8					
	54.0	72.0	47-15/16	31-3/8	31-3/8	31-3/8					
FLAT OR SLOPE	40.0	96.0	33-15/16	43-3/8	43-3/8	43-3/8		+/-30		X/X	NON-IMPACT
	48.0	96.0	41-15/16	43-3/8	43-3/8	43-3/8					
	48.0	96.0	49-1/16	65-1/16	21-11/16	21-11/16					
	40.0	76.0	33-15/16	50-1/16	16-11/16	16-11/16		+/-40		3:1	
	54.0	72.0	47-15/16	47-1/16	15-11/16	15-11/16					

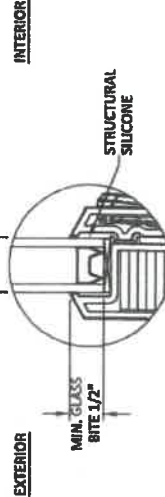
SILL TYPE	MAX OVERALL SIZE		HEIGHT	MAX D.L.O. SIZE				DESIGN PRESSURE	RATIO	CONFG.	MISSILE IMPACT RATING
	WIDTH	DEPTH		WIDTH	UPPER SASH	LOWER SASH					
FLAT OR SLOPE	30.0	68.0	23-15/16	29-3/8	29-3/8	29-3/8					
	36.0	68.0	29-15/16	29-3/4	29-3/4	29-3/4					
FLAT	40.0	72.0	33-15/16	31-3/8	31-3/8	31-3/8		+50/-65			
	40.0	76.0	33-15/16	33-3/8	33-3/8	33-3/8					
FLAT	40.0	76.0	33-15/16	33-3/8	33-3/8	33-3/8					
	36.0	62.0	29-15/16	28-3/8	28-3/8	28-3/8		+69/-81			
SLOPE	36.0	61.0	29-15/16	26-3/5	26-3/5	26-3/5					

NOTES:

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

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5	-	VERTICAL SECTIONS
6	-	HORIZONTAL SECTIONS
7	-	INSTALLATION NOTES, REINFORCEMENT & ANCHOR DETAILS



GLAZING DETAIL 1

- NOTE:
1. GLASS TYPE THICKNESS SHALL COMPLY WITH ASTM E-1300 GLASS CHART REQUIREMENTS.
 2. ALL GLAZING CONFIGURATIONS SHALL COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN CURRENT FBC
 3. SETTING BLOCK SHOULD BE 70-80 DUROMETER AS PER CH 24 OF THE CURRENT FBC.
 4. GLASS LITES THAT EXCEED 36\"/>

300 TOWNSHIRE AVENUE
BAYPORT, MI 48008-1000
PH: (586) 254-2500 FAX: (586) 254-2485
WWW.ANDERSENWINDOW.COM

PREPARED BY:
BUILDING DROPS, INC.
300 E. DANA ROAD
BAYPORT, MI 48008-1000
PH: (586) 254-2500 FAX: (586) 254-2485

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

DATE: 02.22.18
DWG. BY: RV
CHK. BY: HFN
SCALE: NTS
DWG. #: AWD234
SHEET: 1

FL: FL27970

DATE: 02.22.18
DWG. BY: RV
CHK. BY: HFN
SCALE: NTS
DWG. #: AWD234
SHEET: 1

OF 7



300 FOURTH AVE NORTH
BAYPORT, MN 55005-1006
PH: (612) 264-5150 FAX: (612) 264-5465
WWW.ANDERSENWINDOWS.COM

PREPARED BY:
BUILDING DROPS, INC.
ELEVATIONS AND
ANCHOR LAYOUTS
300 C. DAVID MACK RD. STE. 100
DANA POINT, CA 92629
PH: (949) 444-4739 FAX: (949) 444-4738

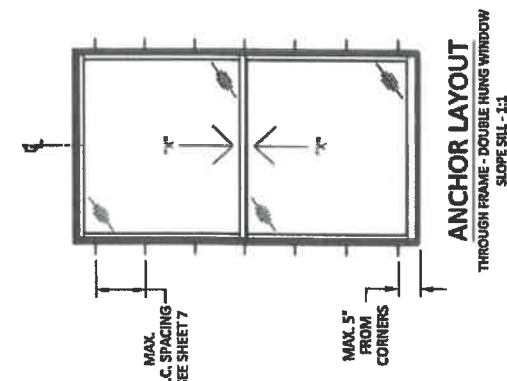
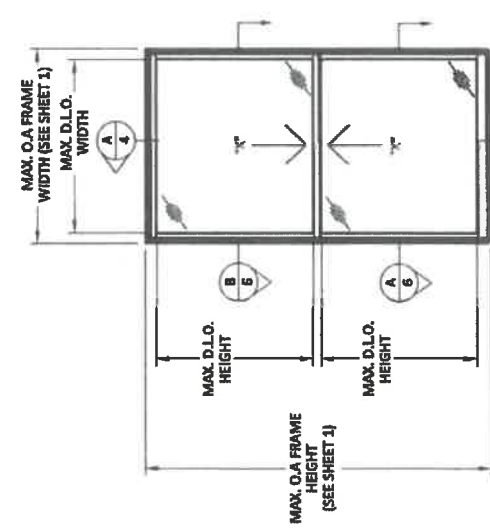
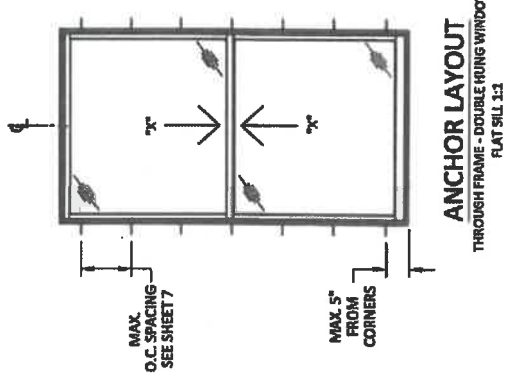
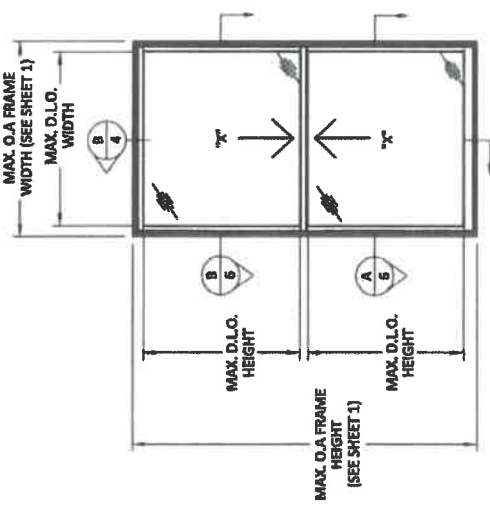
DATE: 02.22.18
BY: RV
CHECKED BY: HFN
SCALE: NTS
DWG. NO.: AWD234
SHEET: 2

FL. #: FL27970
DATE: 02.22.18
BY: RV
CHECKED BY: HFN
SCALE: NTS
DWG. NO.: AWD234
SHEET: 2

REMARKS:
SIZE GRID UPDATE

BY DATE:
NR 11.76.18

NOTES:
1. ALL DIMENSIONS ARE IN FEET AND INCHES. FRACTIONS SHALL BE IN 16THS OF AN INCH.
2. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.
3. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.
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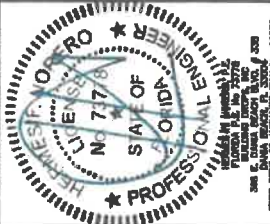
100 FOURTH AVE. NORTH
BAYPORT, MN 55425-4096
TEL: (612) 244-3300 FAX: (612) 244-5485
WWW.ANDERSENWINDOWS.COM

PREPARED BY:
BUILDING DROPS, INC.
ELEVATIONS AND
ANCHOR LAYOUTS
(NON-IMPACT)(NON-HVHZ)
300 S. DAVENPORT BLVD., STE. 300
DANA POINT, CA 92629
TEL: (949) 449-4700
FAX: (949) 449-4738
WWW.BUILDINGDROPS.COM



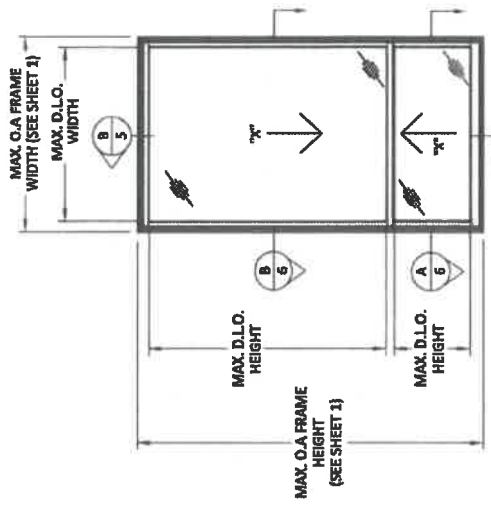
REMARKS	BY	DATE
SIZE GRID UPDATE	HR	11.26.11

THESE ELEVATIONS AND ANCHOR LAYOUTS ARE PREPARED FOR THE ARCHITECT'S REVIEW ONLY. THEY ARE NOT TO BE USED FOR CONSTRUCTION. ANY CHANGES TO THE ELEVATIONS AND ANCHOR LAYOUTS MUST BE APPROVED BY THE ARCHITECT. THE ARCHITECT IS RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED TO THE ARCHITECT. THE ARCHITECT IS RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED TO THE ARCHITECT.

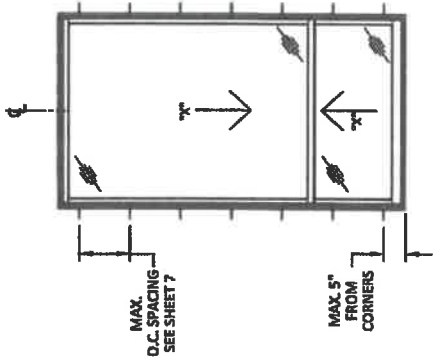


FL #:	FL27970
DATE:	02.22.18
DWG. BY:	RV
CHK. BY:	HFH
SCALE:	NTS
DWG. #: AWD234	
SHEET:	3

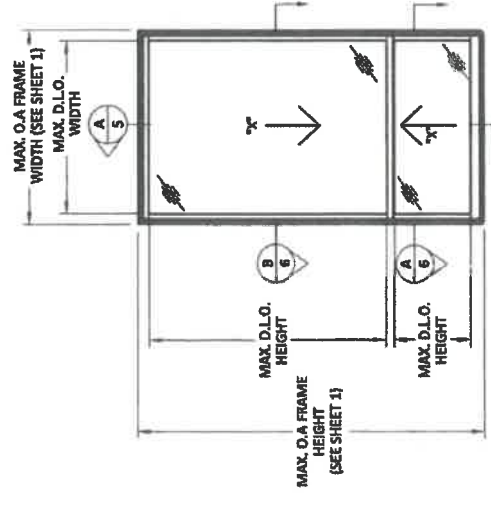
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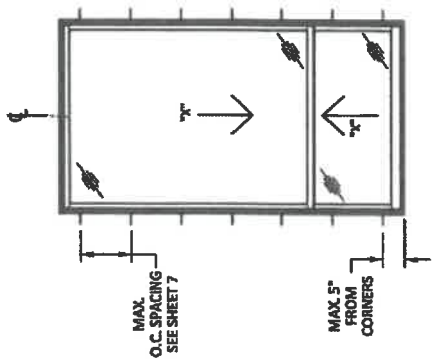
ELEVATION
DOUBLE HUNG WINDOW
FLAT SILL 3:1



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



ANDERSEN
 100 FOURTH AVE NORTH
 MAYPOLE, MI 48040-1898
 PHONE: 313-284-5155 FAX: 313-284-5885
 WWW.ANDERSENWINDOWS.COM

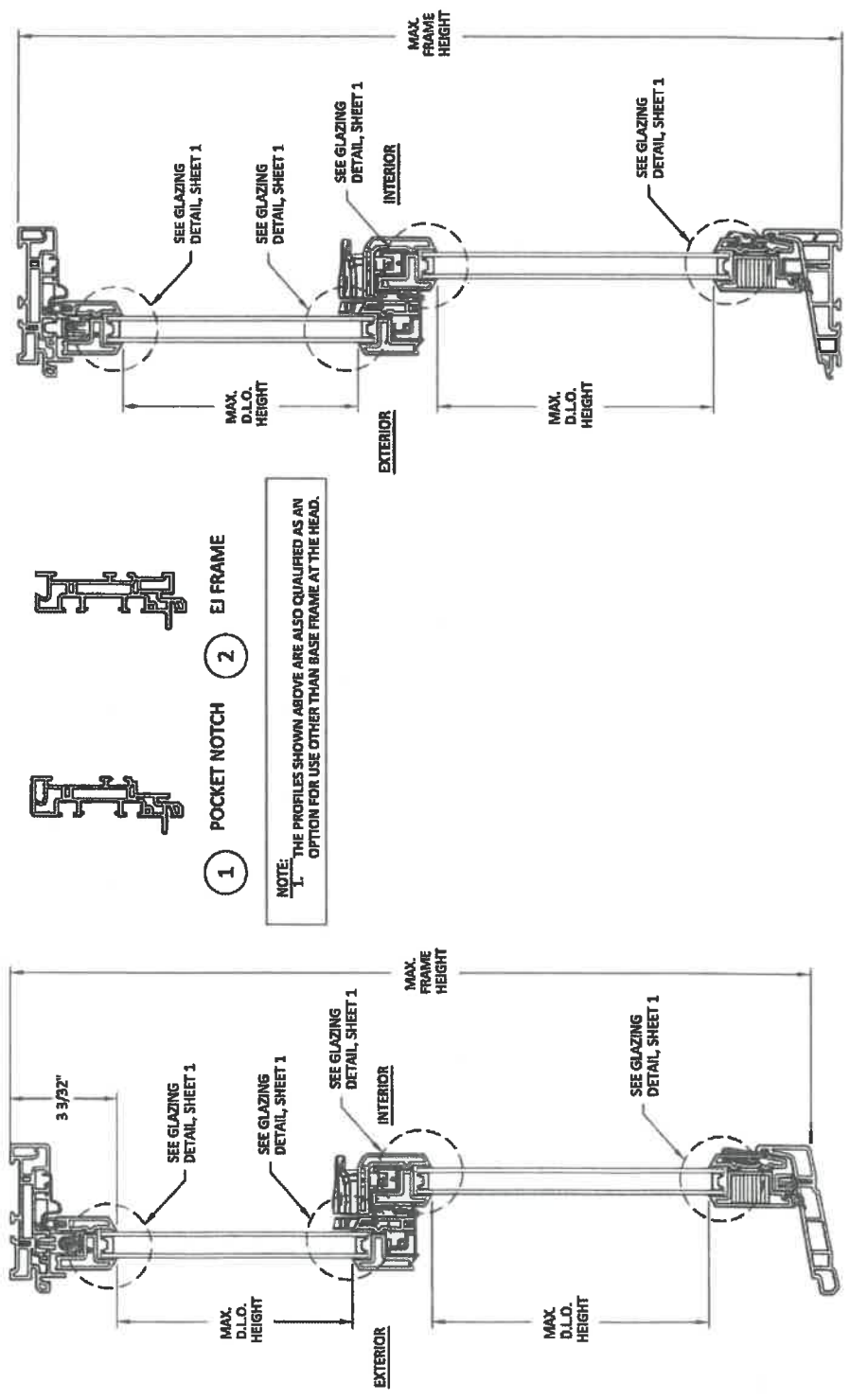
PREPARED BY:
 BUILDING DROPS, INC.
 200 E. DOWNA WOOD DR., STE. 100
 FARMINGTON, MI 48334-4078
 PHONE: 313-284-5155 FAX: 313-284-5885

DATE: 11-24-18
BY:

REMARKS:
 SIZE GRID UPDATE

FL #: FL27970
DATE: 02.22.18
DWG. BY: CHL BY: HFN
SCALE: NTS
DWG. #: AWD234
SHEET:

PROFESSIONAL ENGINEER
 STATE OF MICHIGAN
 NO. 7778
 HERBERT S. ANDERSON
 200 E. DOWNA WOOD DR., STE. 100
 FARMINGTON, MI 48334-4078
 PHONE: 313-284-5155 FAX: 313-284-5885
 PERM. CONT. OF AUTHORIZATION NO. 28078



VERTICAL SECTION
 FLAT SILL 1:1

VERTICAL SECTION
 SLOPE SILL 1:1



130 FOURTH AVE NORTH
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PH: (734) 963-4478
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TITLE:
DG SERIES DOUBLE HUNG
WINDOW (NON-IMPACT)(NON-HWZ)
VERTICAL SECTIONS

REMARKS	BY	DATE
SIZE GRID UPDATE	HS	11.26.17



FL #:
FL27970

DATE: 02.22.18

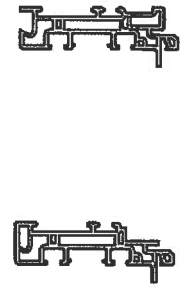
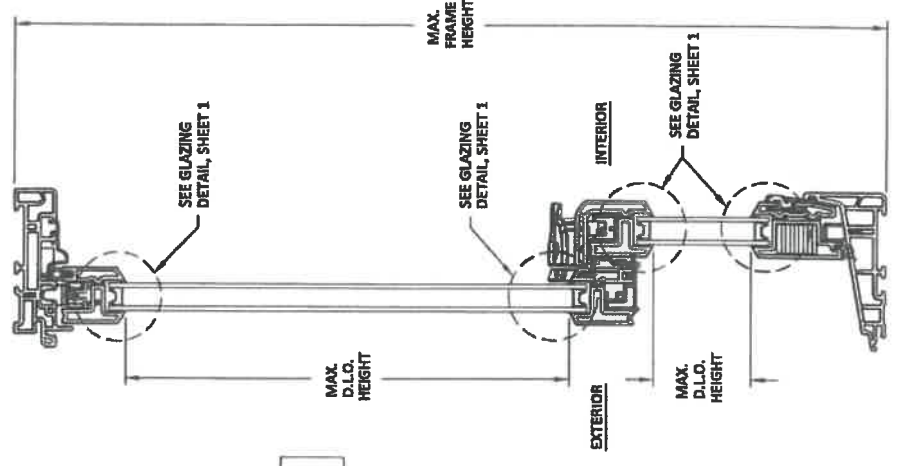
DWG. BY: RV
CHK. BY: HFN

SCALE: NTS

DWG. #: AWD234

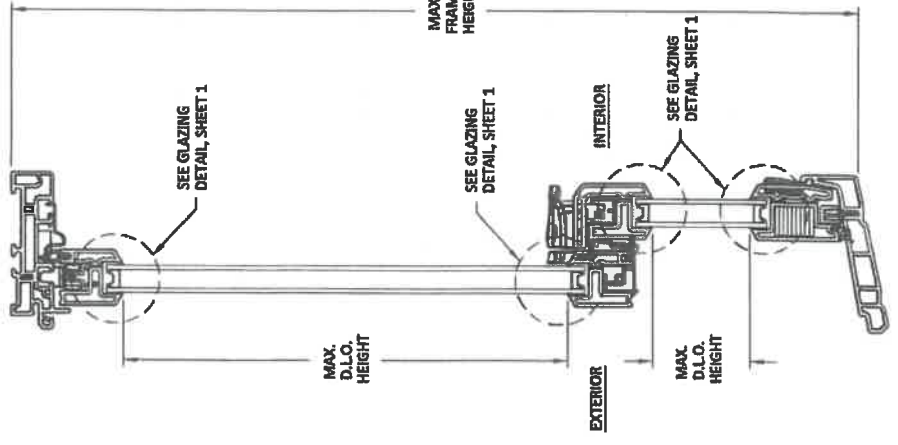
SHEET:
5

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.



VERTICAL SECTION
FLAT SILL 3-1

VERTICAL SECTION
SLOPED SILL 3-1

300 FOURTH AVE NORTH
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PH: (612) 284-3350 FAX: (612) 284-0465

BUILDING DROPS, INC.
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TEL: (949) 444-4735
WWW.BUILDINGDROPS.COM

PREPARED BY:

REMARKS	BY	DATE
SIZE GRID UPDATE	HR	11.26.14

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DAVID BEACH
PROFESSIONAL ENGINEER
NO. 7378
STATE OF FLORIDA
FLORIDA ENGINEERING BOARD
300 E. TOLSON BLVD., SUITE 100
DANA POINT, FL 33504
NAME CERT. OF AUTHORIZATION NO. 00079

FL #:

FL27970

DATE:

02.22.18

DWG. BY:

RV

CHK. BY:

HFN

SCALE:

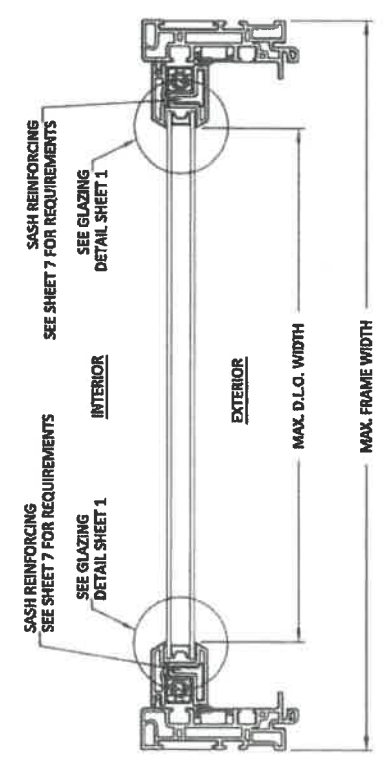
NTS

DWG. #:

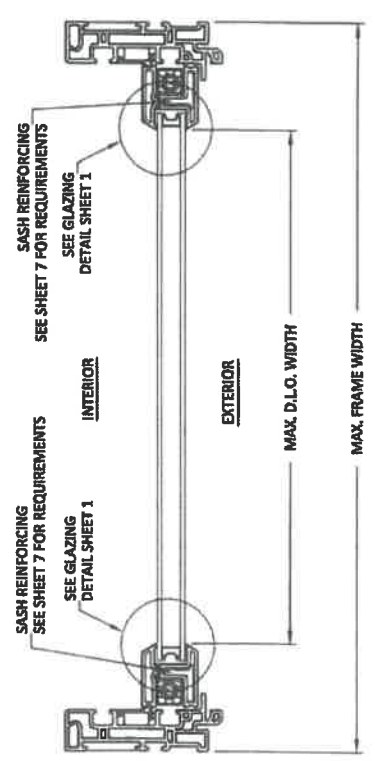
AWD234

SHEET:

6



A **HORIZONTAL SECTION**
LOWER SASH

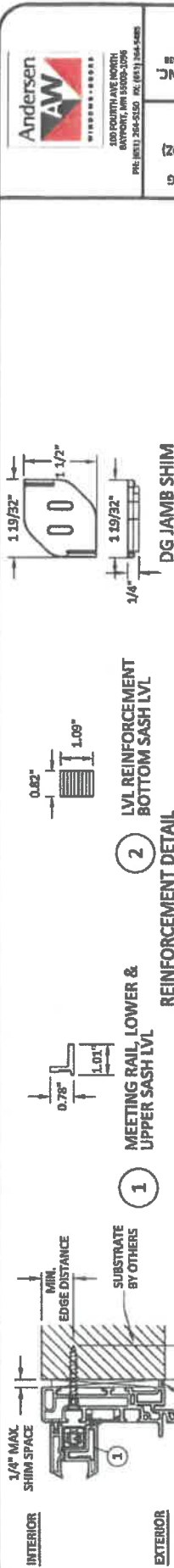


B **HORIZONTAL SECTION**
UPPER SASH

1 POCKET NOTCH

2 EJ FRAME

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



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

Anchor Schedule - Max O.C. Spacing Standard Double Hung Grid, +/- 40 PSF				
Height (ft.)	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	24.0	
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				
Height (ft.)	24	36	48	
27	-	-	-	17.0
36	-	-	-	24.0
48	-	-	-	19.0
60	-	-	-	16.7
72	-	-	-	20.7
76	-	-	-	-
84	24.0	24.0	24.0	
96	24.0	24.0	21.5	

Anchor Schedule - Max O.C. Spacing Standard Double Hung Grid, +/- 50 PSF				
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.)	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

[illegible]