

ANDERSEN CORPORATION

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

GENERAL NOTES:

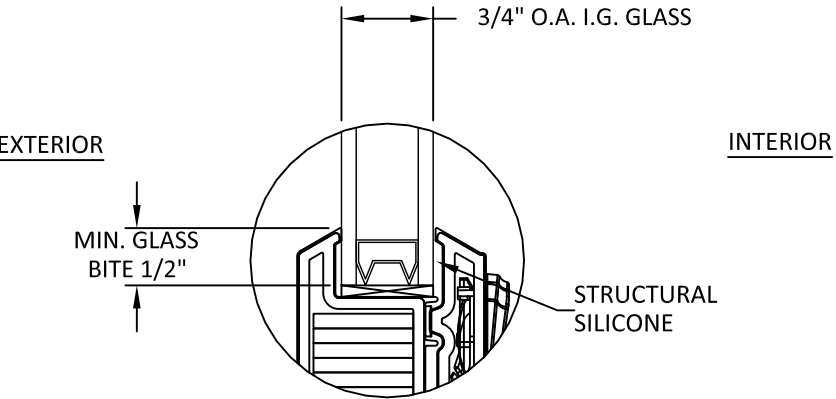
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), EXCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/I.S.2/A440-08/11
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL 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. IN HVHZ AREAS, ONE TIME PRODUCT APPROVAL TO BE OBTAINED FROM MIAMI-DADE RER OR AHJ.
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		MAX D.L.O. SIZE			DESIGN PRESSURE	RATIO	CONFIG.	MISSILE IMPACT RATING
	WIDTH	HEIGHT	WIDTH	UPPER SASH	LOWER SASH				
FLAT OR SLOPE	32.0	76.0	25-15/16	33-3/8	33-3/8	+/-40	1:1	X/X	NON-IMPACT
	40.0	76.0	33-15-16	33-3/8	33-3/8				
	48.0	76.0	41-15/16	33-3/8	33-3/8				
	54.0	72.0	47-15/16	31-3/8	31-3/8	+/-30			
	40.0	96.0	33-15/16	43-3/8	43-3/8				
	48.0	96.0	41-15/16	43-3/8	43-3/8				
FLAT OR SLOPE	48.0	96.0	41-15/16	65-1/16	21-11/16	+/-40	3:1		
	40.0	76.0	33-15/16	50-1/16	16-11/16				
	54.0	72.0	47-15/16	47-1/16	15-11/16				

DESIGN PRESSURE UPGRADE RATING									
SILL TYPE	MAX OVERALL SIZE		MAX D.L.O. SIZE			DESIGN PRESSURE	RATIO	CONFIG.	MISSILE IMPACT RATING
	WIDTH	HEIGHT	WIDTH	UPPER SASH	LOWER SASH				
FLAT OR SLOPE	30.0	68.0	23-15/16	29-3/8	29-3/8	+50/-65	1:1	X/X	NON-IMPACT
	36.0	68.0	29-15/16	29-3/4	29-3/4				
	40.0	72.0	33-15/16	31-3/8	31-3/8				
FLAT	40.0	76.0	33-15/16	33-3/8	33-3/8				
SLOPE	40.0	75.3	33-15/16	33-2/5	33-2/5				
FLAT	36.0	62.0	29-15/16	26-3/8	26-3/8	+69/-81			
SLOPE	36.0	61.3	29-15/16	26-2/5	26-2/5				

- 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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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 70-90 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.



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

PREPARED BY:
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398 E. DANIA BEACH BLVD., STE. 338
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REMARKS	BY	DATE
SIZE GRID UPDATE	HR	11.26.18

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Reason: I am approving this document
Date: 2018.11.16 19:37:54 -0500

HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL27970

DATE:
02.22.18

DWG. BY:
RV

CHK. BY:
HFN

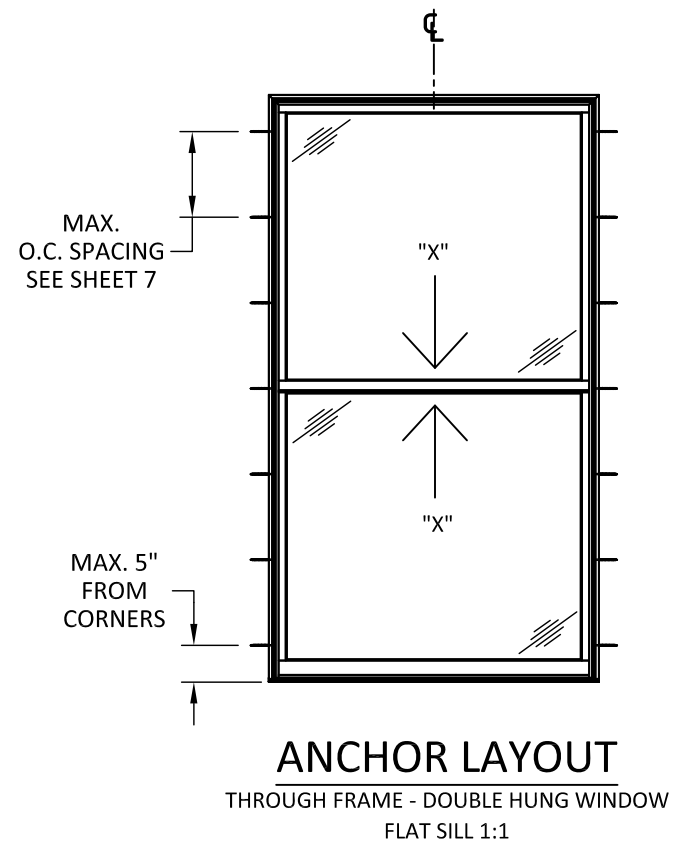
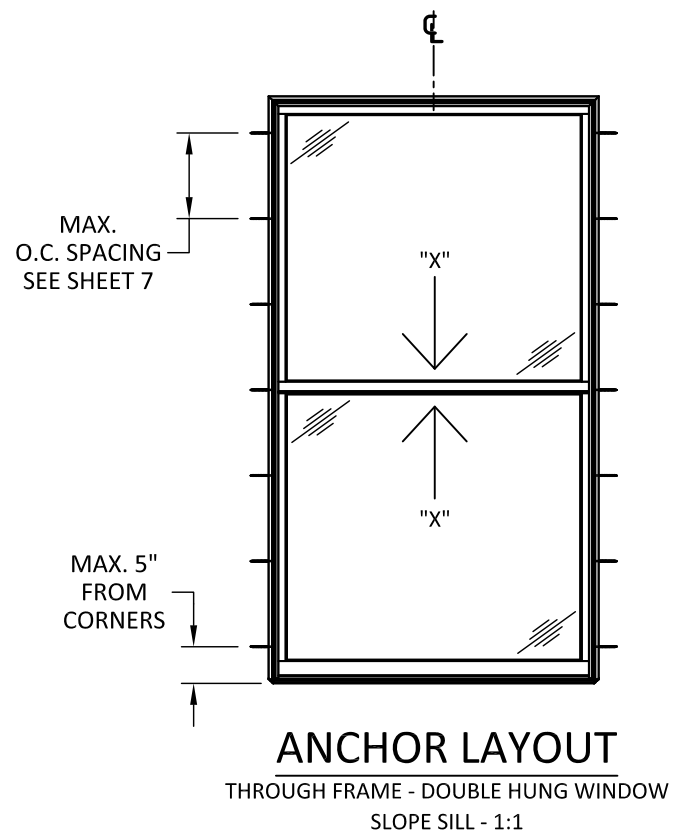
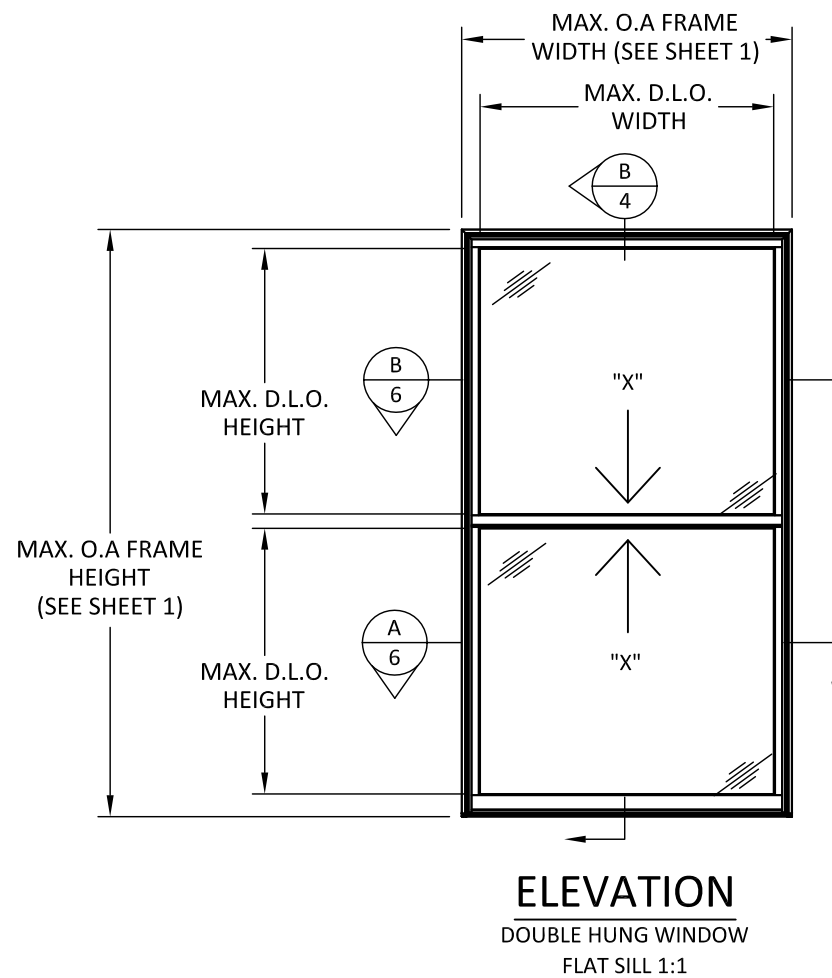
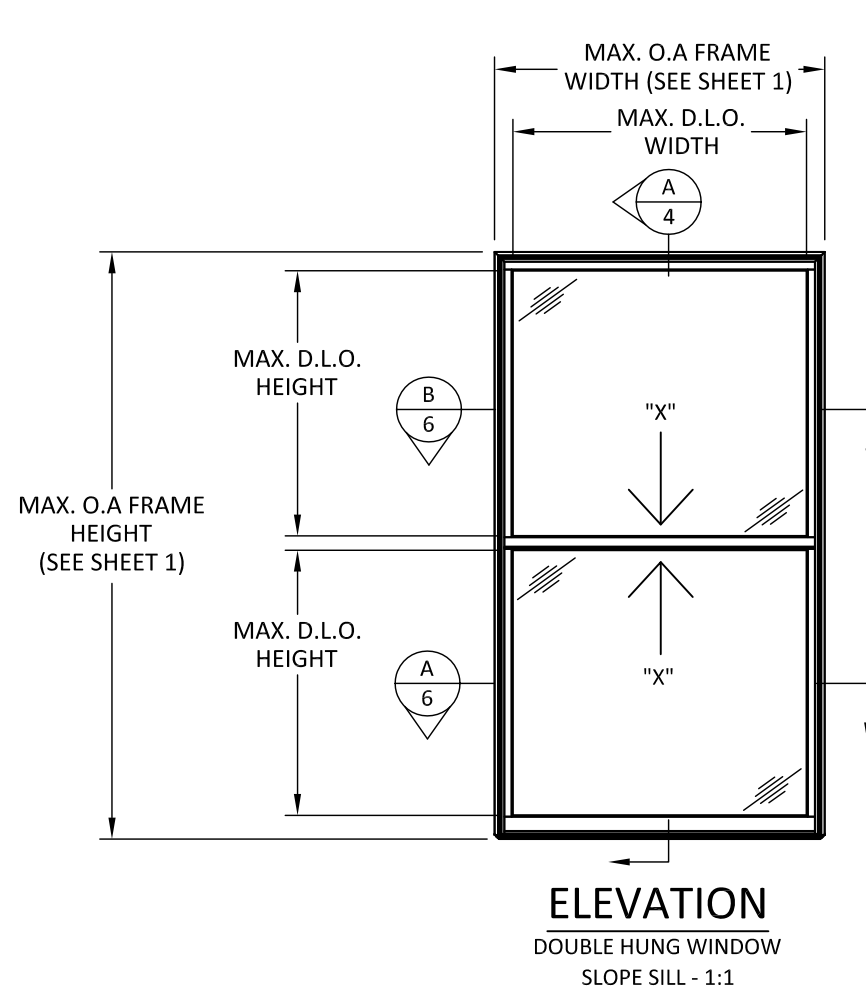
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TITLE: DG SERIES DOUBLE HUNG WINDOW (NON-IMPACT)(NON-HVHZ) ELEVATIONS AND ANCHOR LAYOUTS

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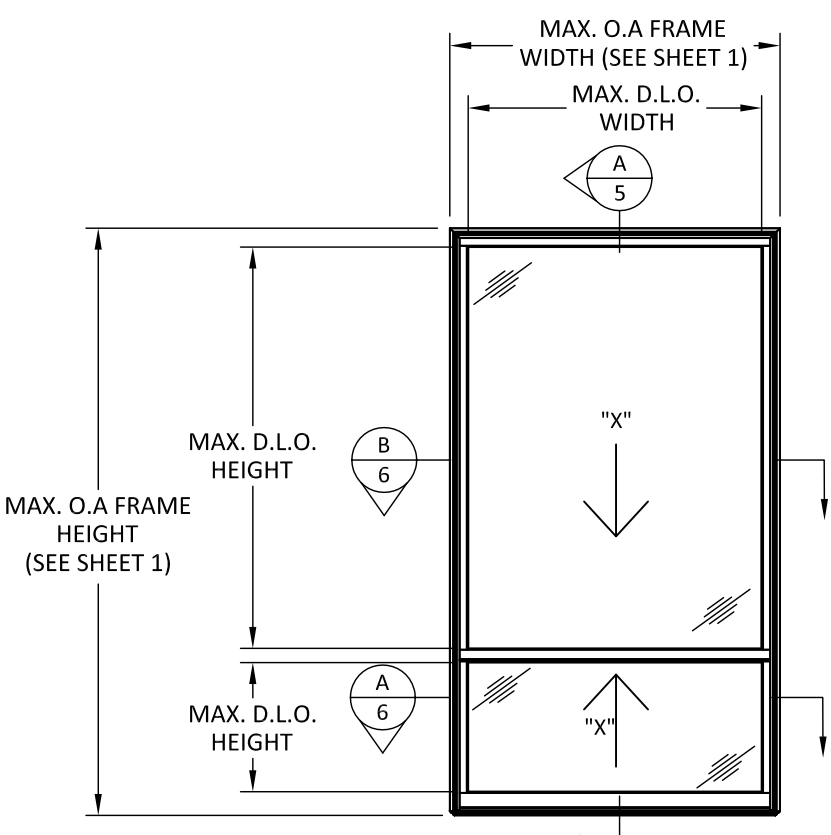


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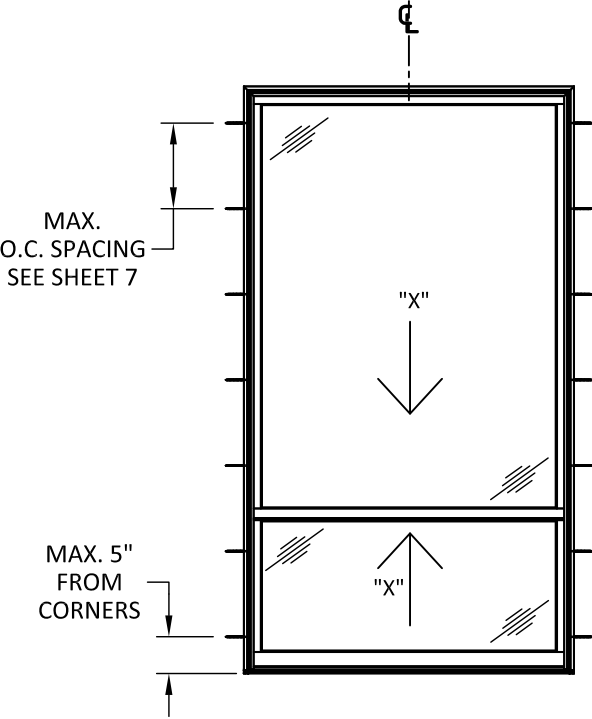


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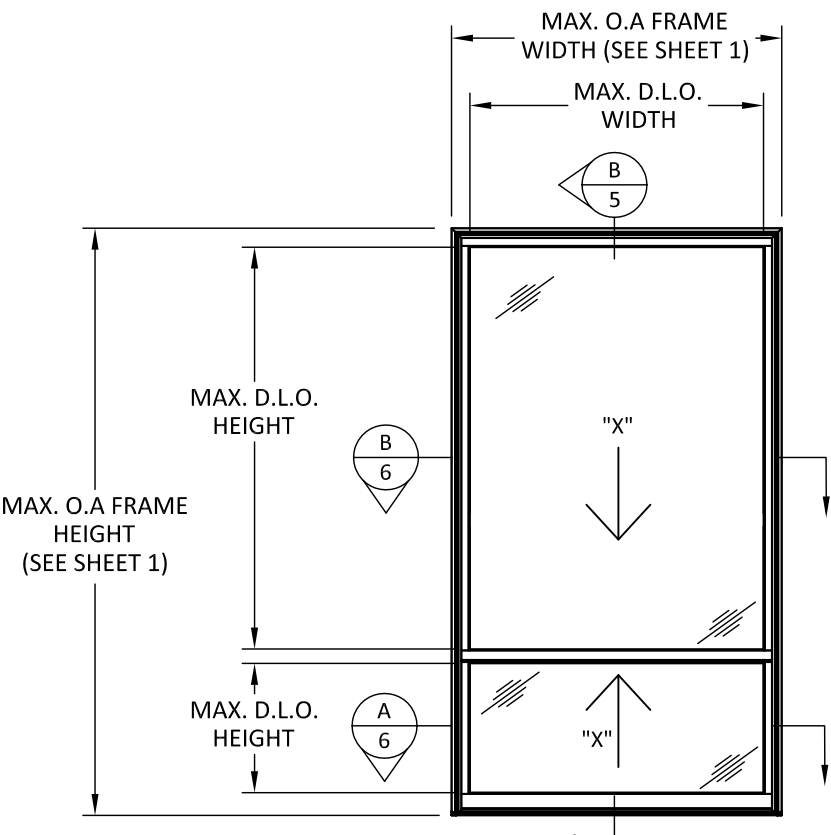
ELEVATION

DOUBLE HUNG WINDOW
SLOPE SILL - 3:1



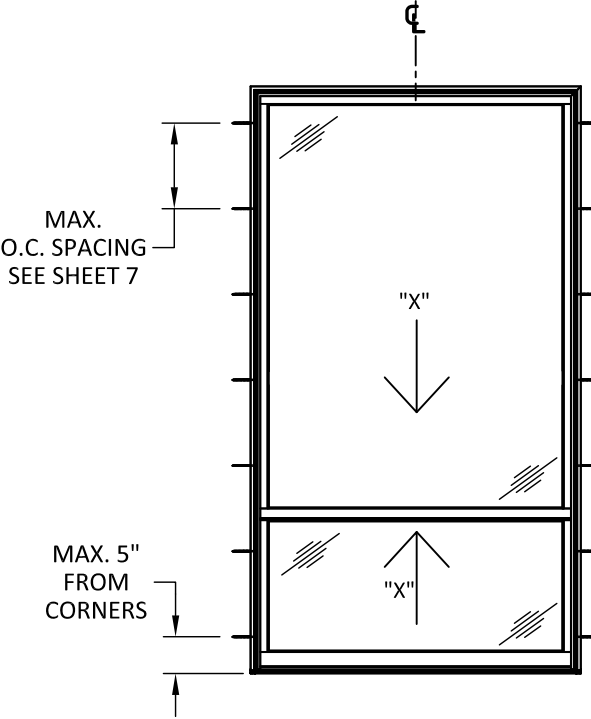
ANCHOR LAYOUT

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



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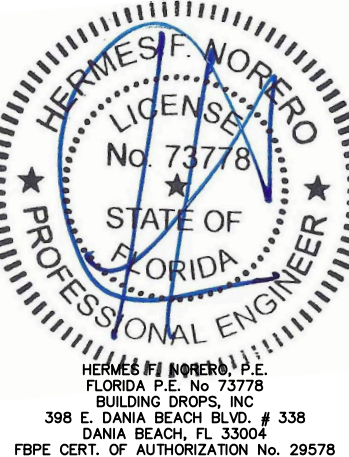
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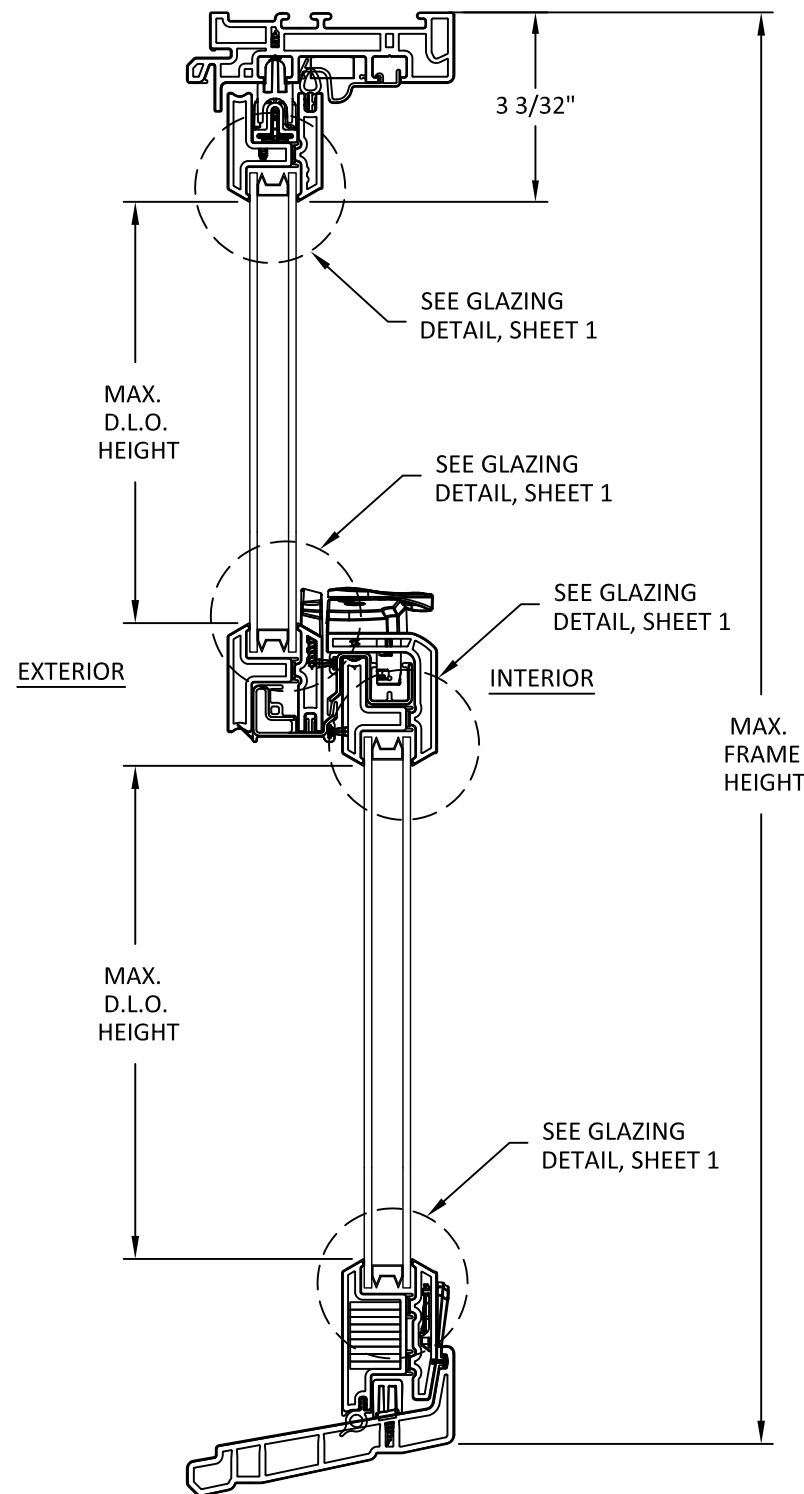
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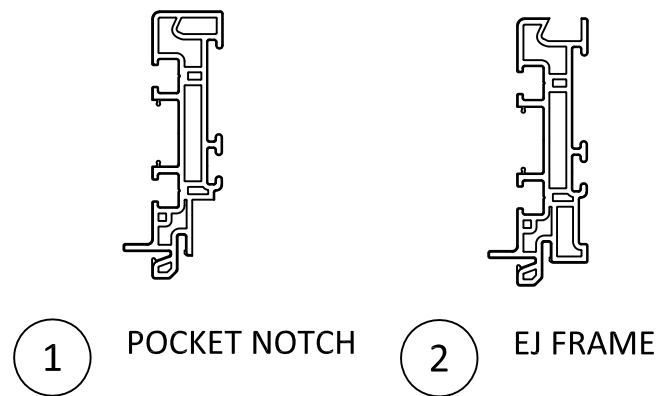
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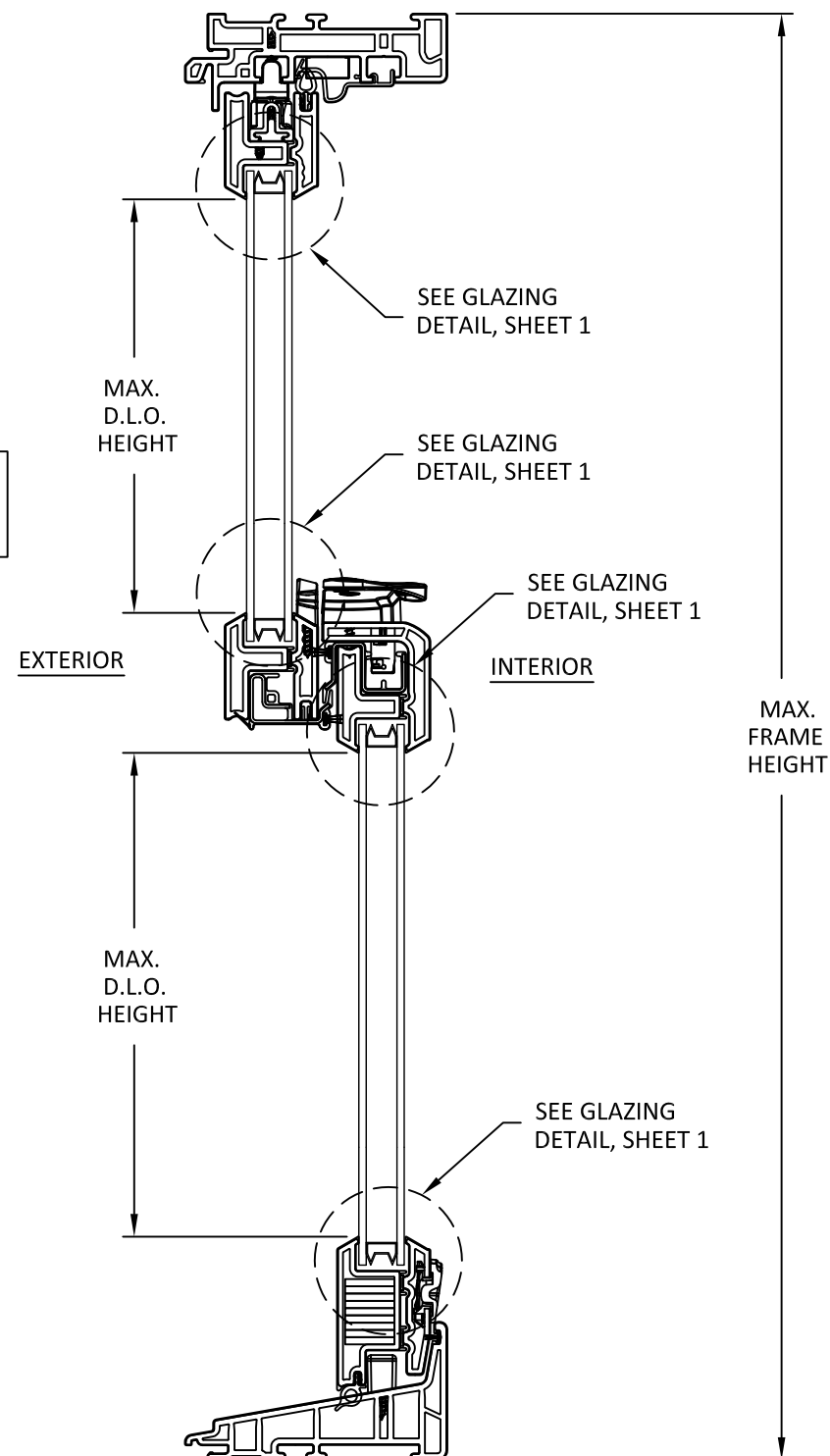
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A
4 **VERTICAL SECTION**
SLOPE SILL 1:1



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



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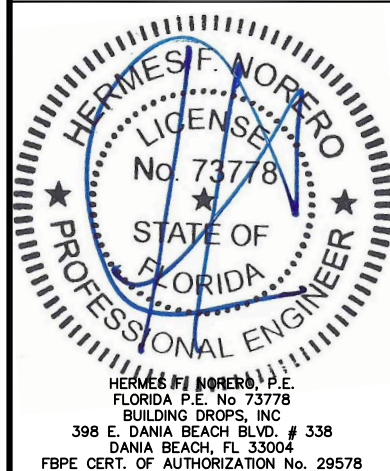
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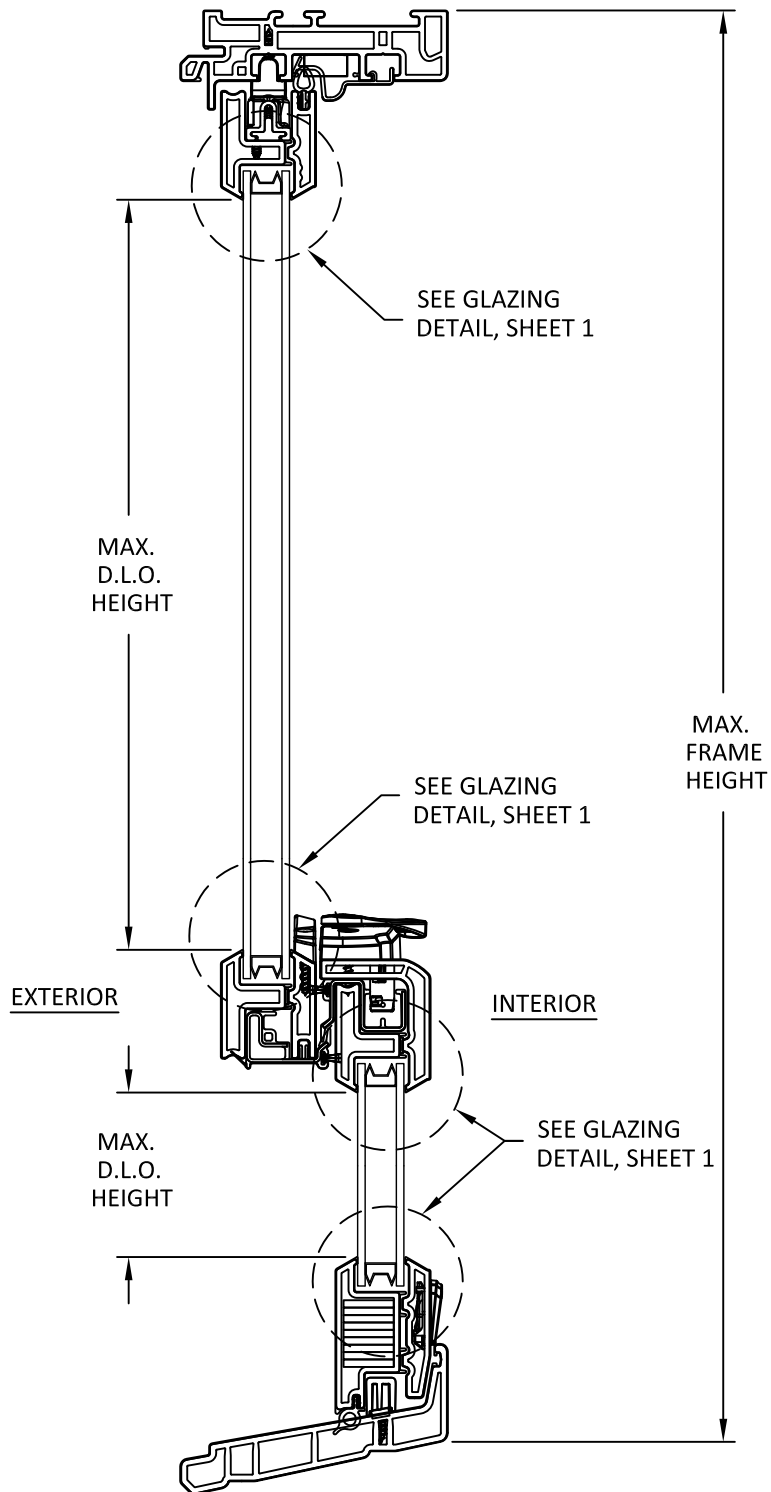
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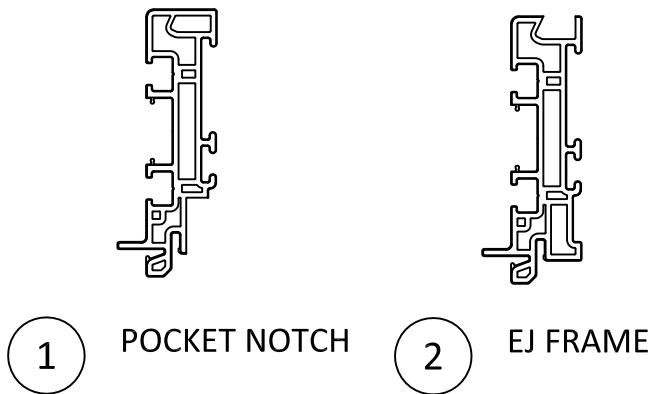
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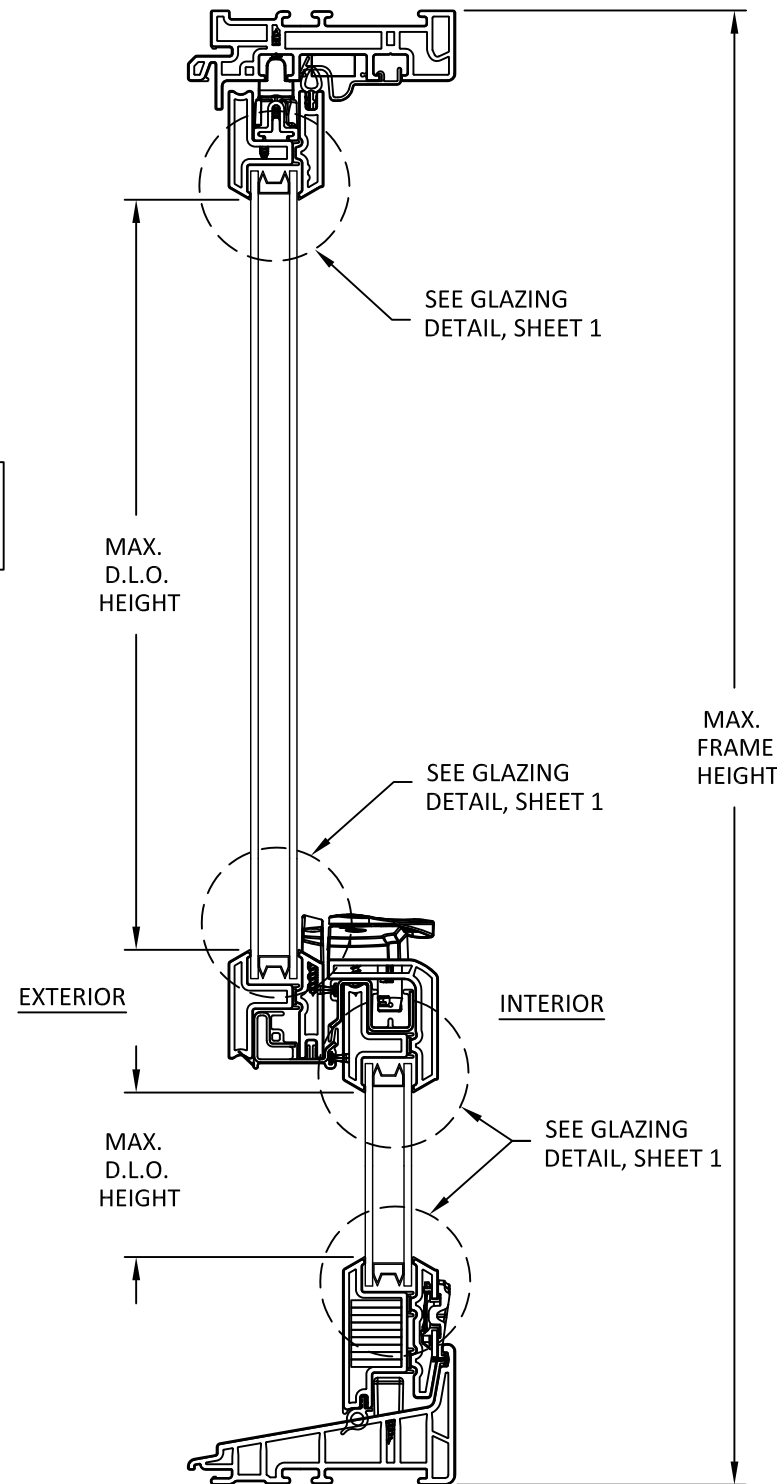
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A
5 **VERTICAL SECTION**
SLOPED SILL 3:1



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



B
5 **VERTICAL SECTION**
FLAT SILL 3:1



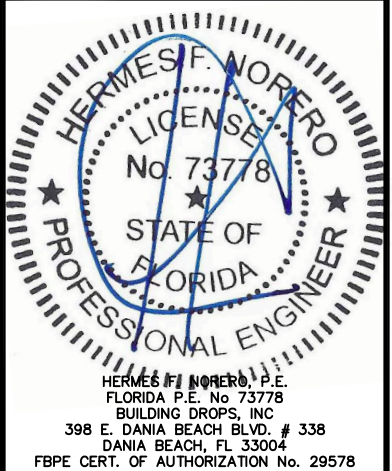
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(NON-IMPACT)(NON-HVHZ)
VERTICAL SECTIONS

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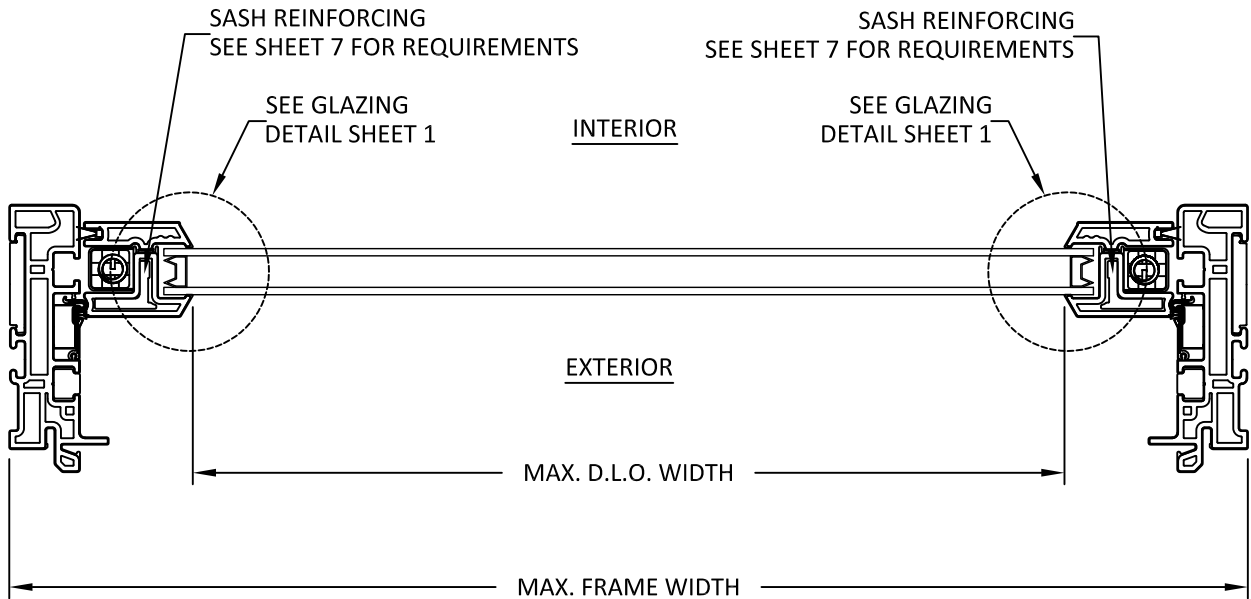
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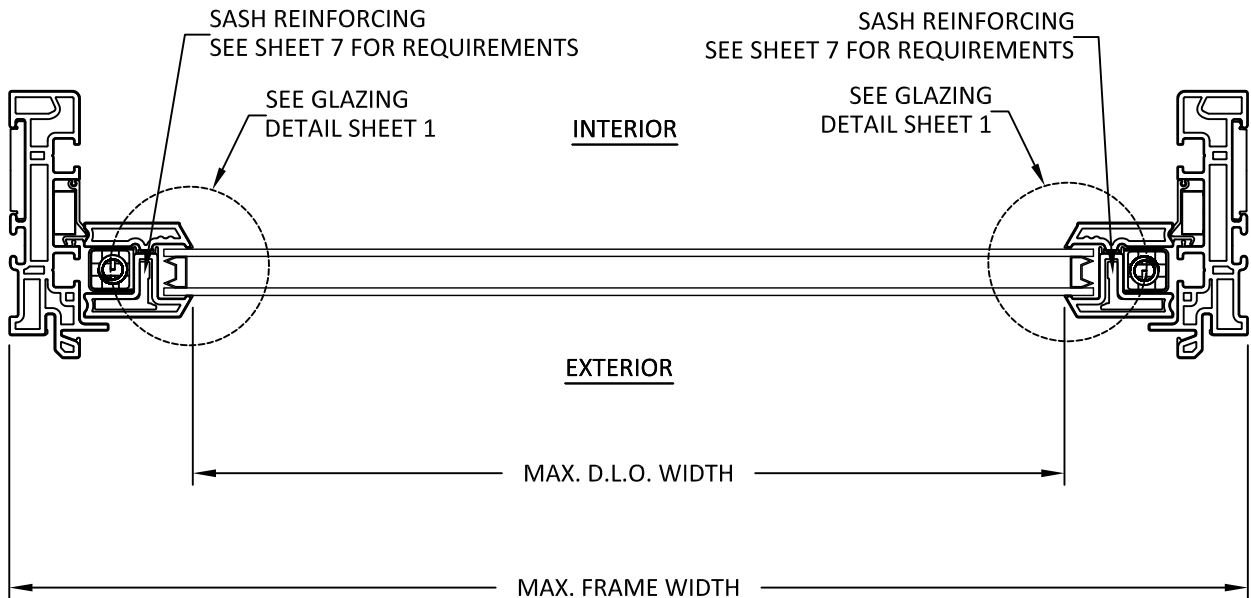
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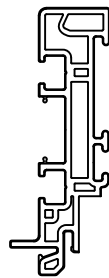
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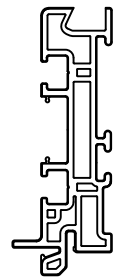
A
6 **HORIZONTAL SECTION**
LOWER SASH



B
6 **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



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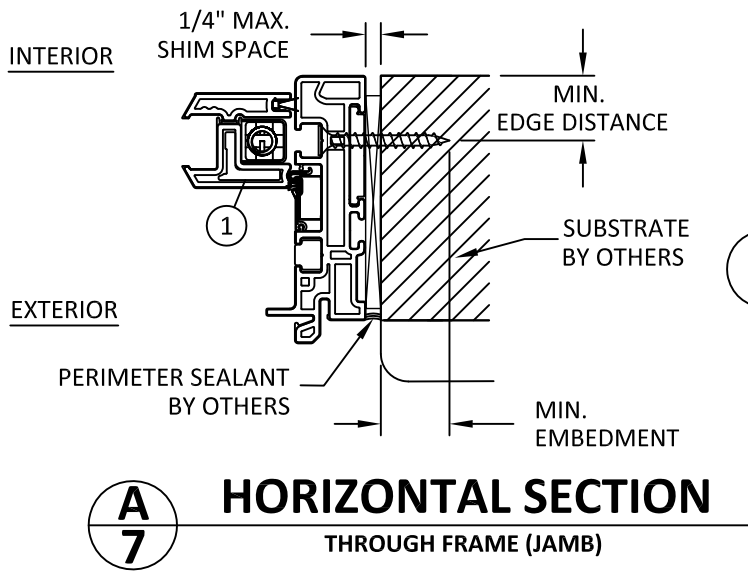
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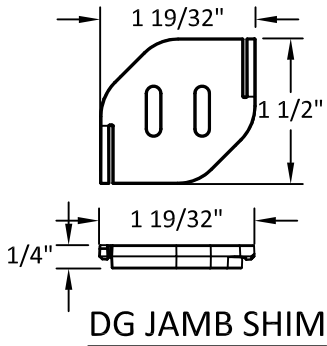
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1 MEETING RAIL, LOWER & UPPER SASH LVL

2 LVL REINFORCEMENT BOTTOM SASH LVL



REINFORCEMENT DETAIL

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				
	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 DP Upgrade Double Hung Grid, +50/-65 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			

Anchor Schedule - Max O.C. Spacing Standard Double Hung Grid, +/- 30 PSF				
	Width (in.)			
Height (in.)	24	36	48	54
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 Fixed Upper Sash Double Hung Grid (INSERT AND BASE FRAME), +/- 40 PSF				
	Width (in.)			
Height (in.)	24	36	48	54
27	8.5	8.5	8.5	8.5
36	13.0	13.0	13.0	13.0
48	19.0	19.0	19.0	12.7
60	24.0	24.0	16.7	12.5
72	24.0	20.7	15.5	15.5
76	24.0	22.0	16.5	
84	24.0	24.0	14.8	
96	24.0	21.5	17.2	

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 ±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.
- 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.
- 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 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.



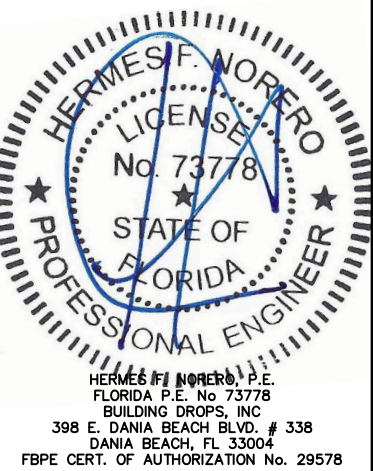
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE:
DG SERIES DOUBLE HUNG WINDOW
(NON-IMPACT)(NON-HVHZ)
INSTALLATION NOTES,
REINFORCEMENT
& ANCHOR DETAILS

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
SIZE GRID UPDATE	HR	11.26.18

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.



FL #:
FL27970

DATE: **02.22.18**

DWG. BY: **RV**CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **AWD234**

SHEET: