

ANDERSEN CORPORATION

RENEWAL BY ANDERSEN SERIES AWNING WINDOW (NON-IMPACT) (NON-HVHZ)

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/I.S.2/A440-08/11
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 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.
- 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.
- 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.

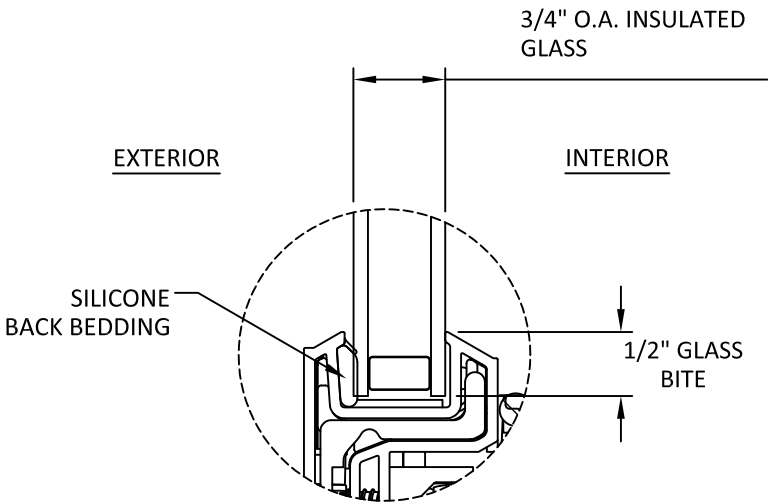
DESIGN PRESSURE RATING	
SIZE	DESIGN PRESSURE
60" X 36"	+40.0 / -40.0 PSF
48" X 48"	+40.0 / -40.0 PSF

DESIGN PRESSURE UPGRADE RATING	
SIZE	DESIGN PRESSURE
27.99" X 34.99"	+62.0 / -81.0 PSF
27.99" X 26.00"	+67.0 / -87.0 PSF
48.00" X 48.00"	+50.0 / -65.0 PSF
56.00" X 36.00"	+50.0 / -65.0 PSF
60.00" X 36.00"	+50.0 / -50.0 PSF

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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6	-	INSTALLATION NOTES & ANCHOR SCHEDULE



GLAZING DETAIL 1

NOTE:

- GLASS TYPE & THICKNESS SHALL COMPLY WITH ASTM E-1300 GLASS CHART REQUIREMENTS.
- ALL GLAZING CONFIGURATIONS SHALL COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN CURRENT FBC
- SETTING BLOCK SHOULD BE 70-90 DUROMETER AS PER CH 24 OF THE CURRENT FBC.
- GLASS LITES THAT EXCEED 36" IN WIDTH SHALL USE SETTING BLOCKS AT 1/4 SPAN FROM CORNERS.



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

PREPARED BY:

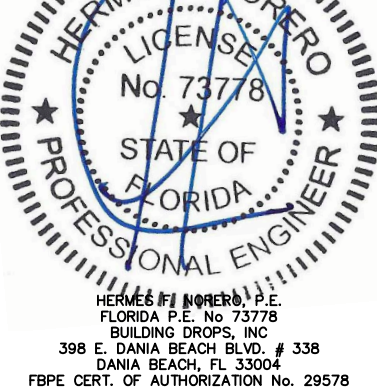


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REMARKS	BY	DATE

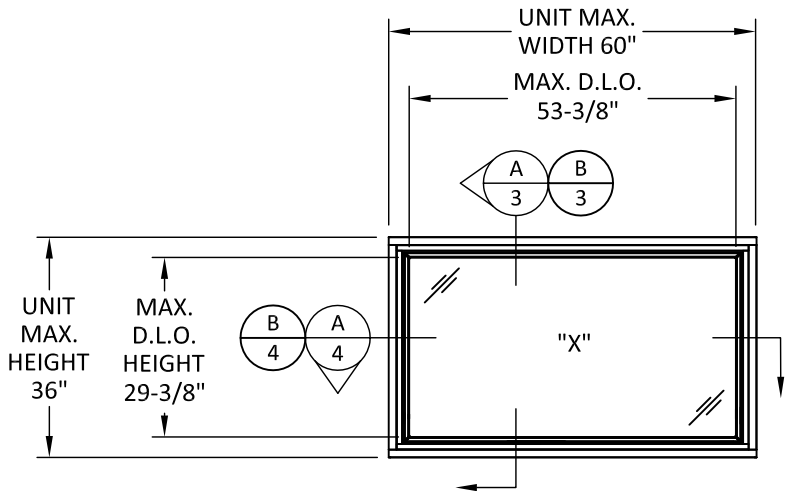
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Digitally signed by **Hermes F. Norero, P.E.**
Reason: I am approving this document
Date: 2018.10.17 15:49:48 -05'00'

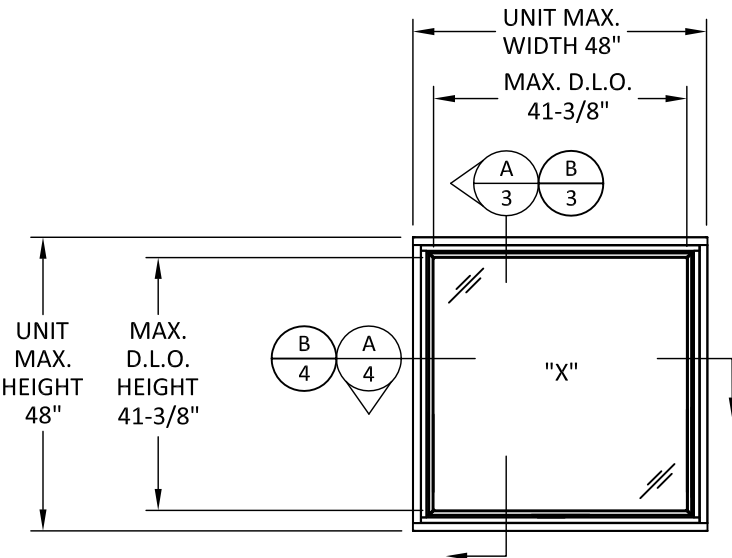


FL #:	FL19561
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DWG. BY:	HR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD241
SHEET:	1

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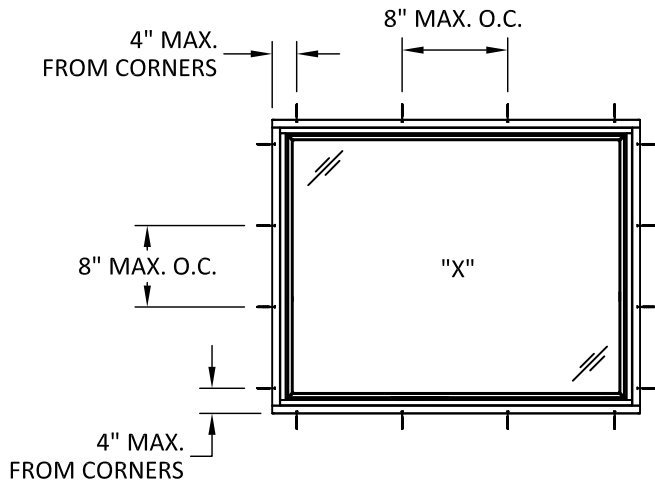


ELEVATION
60" X 36"

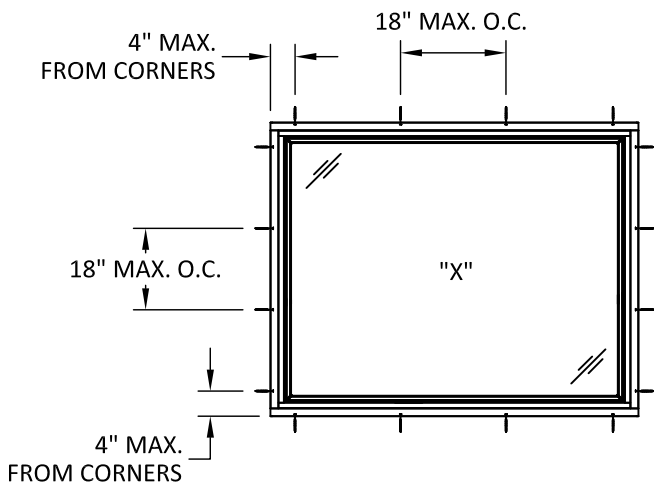


ELEVATION
48" x 48"

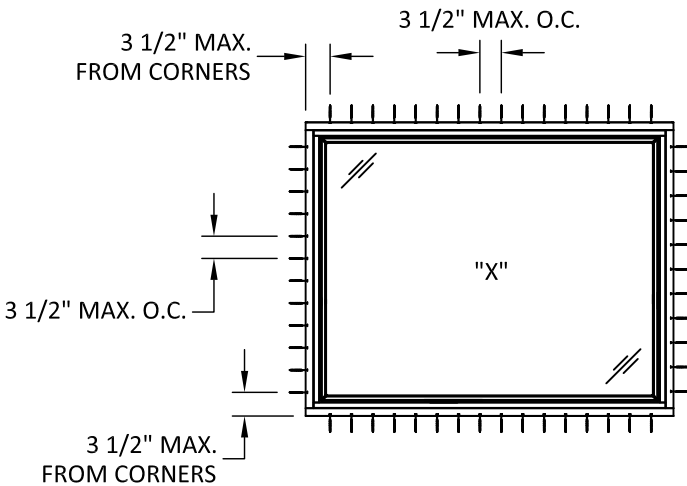
NOTE: ALL TYPICAL SUBSTRATES OR INSTALLATION METHODS SHOWN HEREIN MAY BE USED AT THE HEAD, JAMBS, OR SILL. EDGE DISTANCE AND EMBEDMENT SHALL BE AS SPECIFIED IN TYPICAL DETAILS. SEE INSTALLATION NOTES AND DETAILS ON SHEET 5 FOR EACH TYPE OF INSTALLATION METHOD.



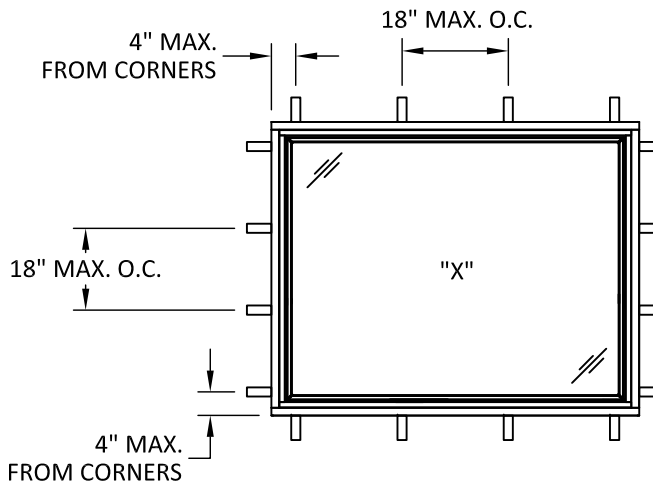
DP UPGRADE ANCHOR LAYOUT
THROUGH FRAME



TYPICAL ANCHOR LAYOUT
THROUGH FRAME



TYPICAL ANCHOR LAYOUT
NAIL FIN



TYPICAL ANCHOR LAYOUT
INSTALLATION CLIP



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

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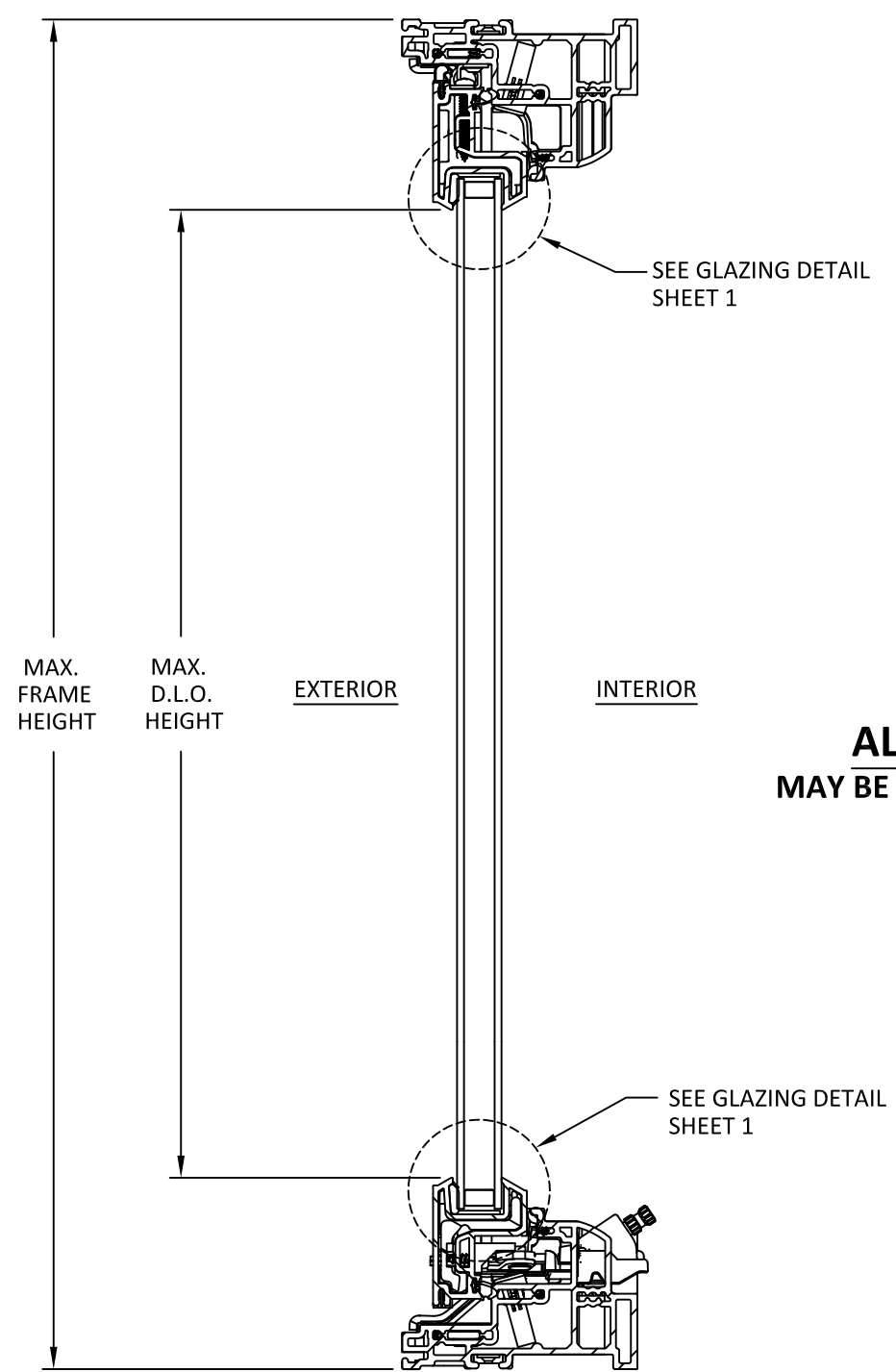
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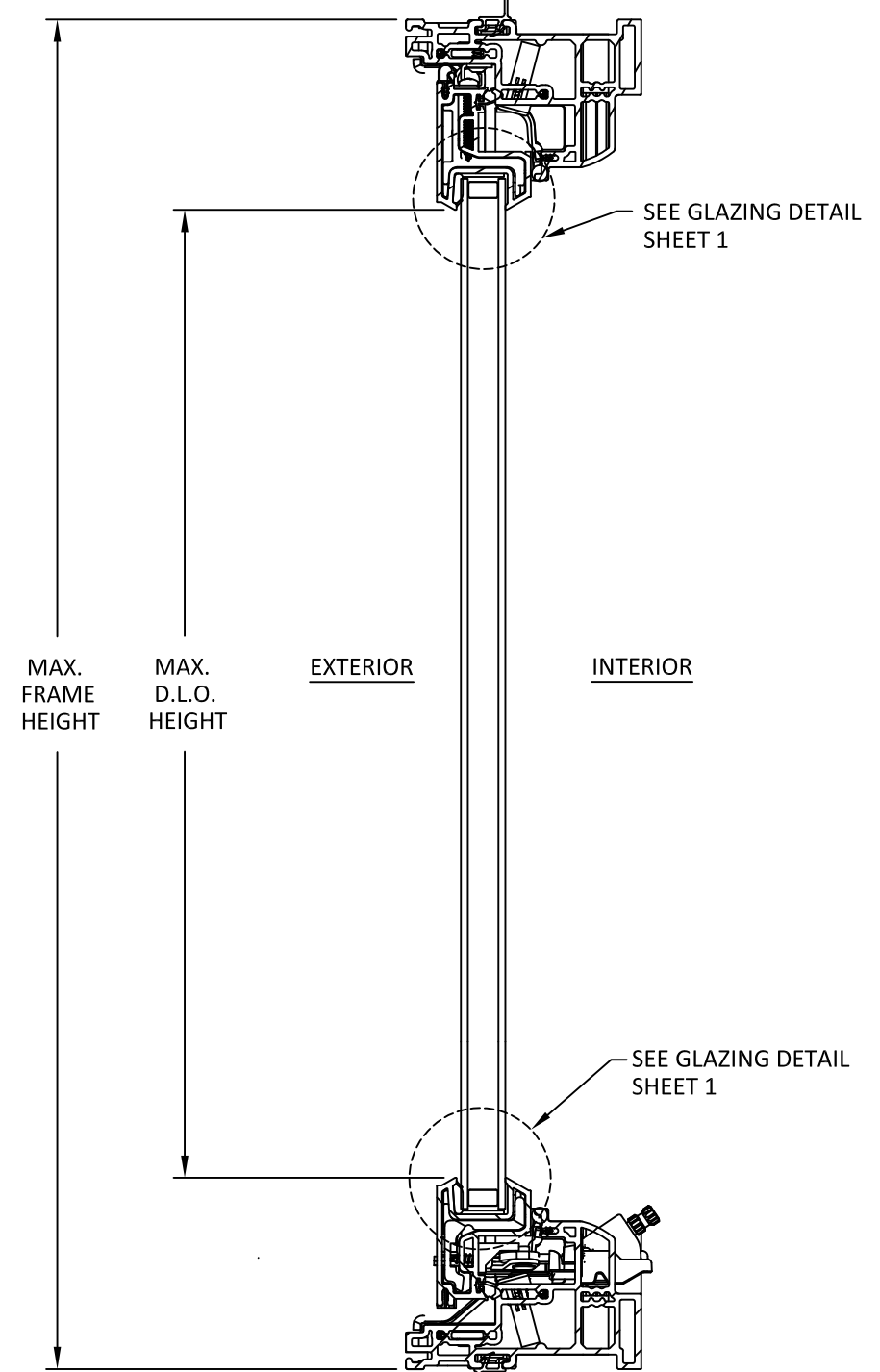
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A
3 **VERTICAL SECTION**
THROUGH FRAME AND THROUGH CLIP INSTALLATION

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



B
3 **VERTICAL SECTION**
NAIL FIN INSTALLATION
NAIL FIN/FLANGE IS REVERSIBLE, SEE ORIENTATION DIFFERENCE IN DETAIL B/4 HEAD AND SILL.



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

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HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC
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FBPE CERT. OF AUTHORIZATION No. 29578

FL #: **FL19561**

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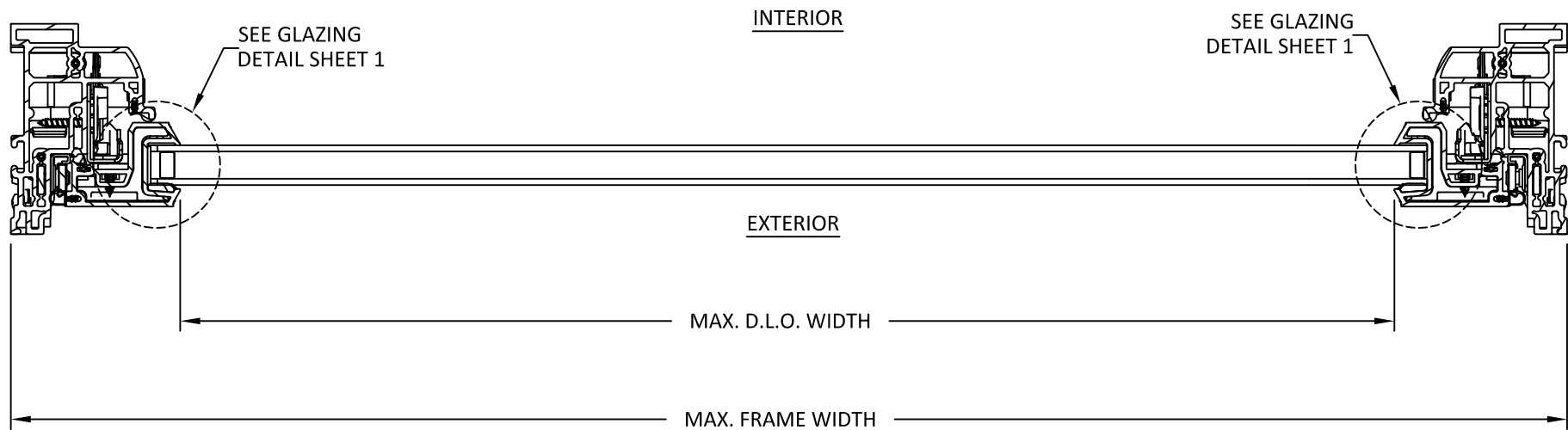
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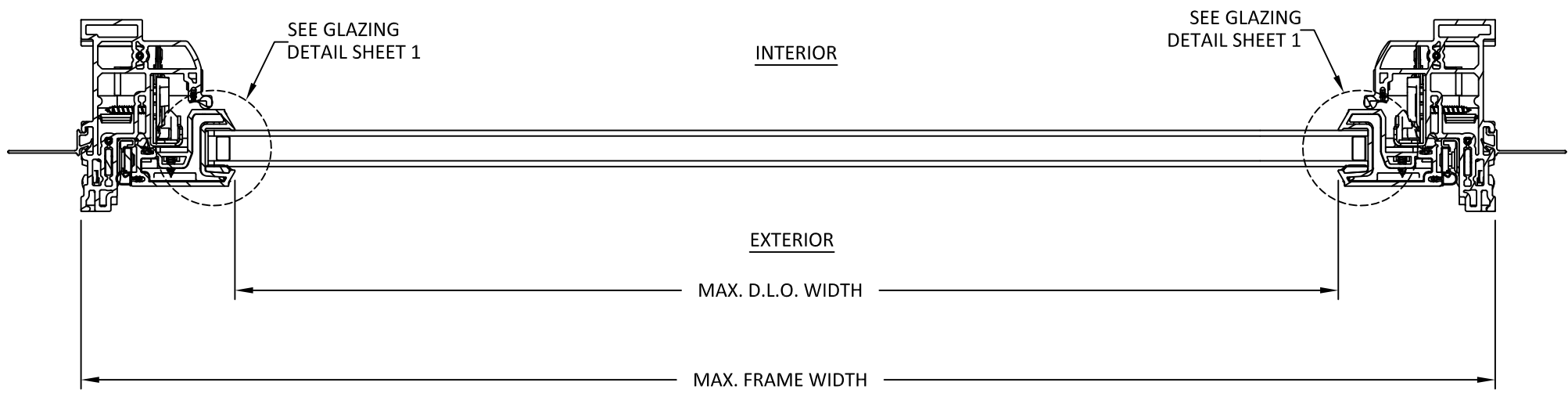
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A
4 **HORIZONTAL SECTION**
THROUGH FRAME AND THROUGH CLIP INSTALLATION



B
4 **HORIZONTAL SECTION**
NAIL FIN INSTALLATION



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(NON-HVHZ)

HORIZONTAL SECTIONS

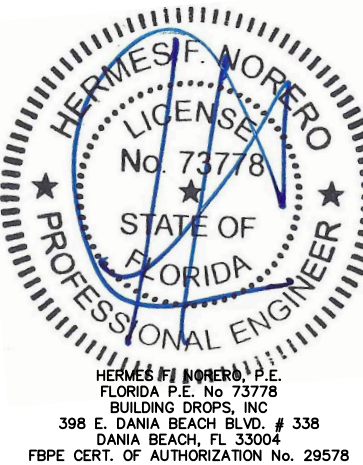
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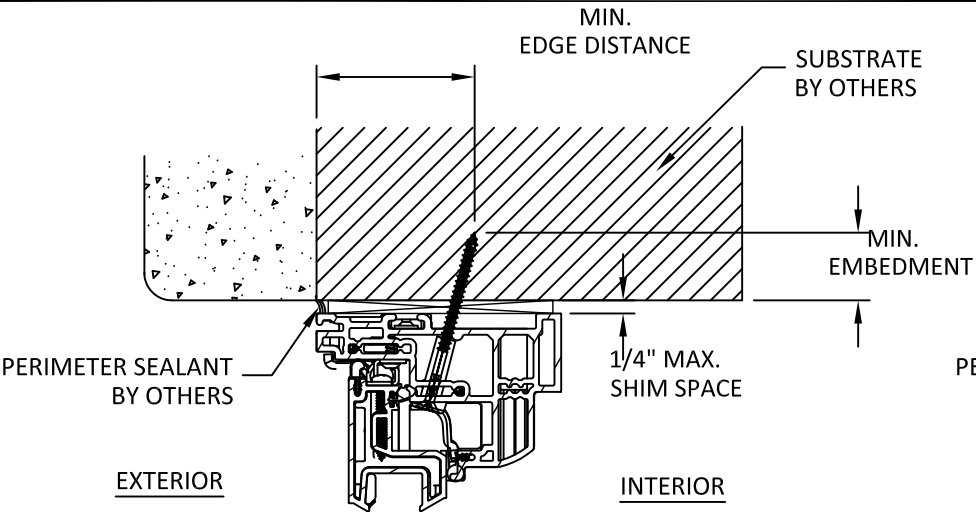
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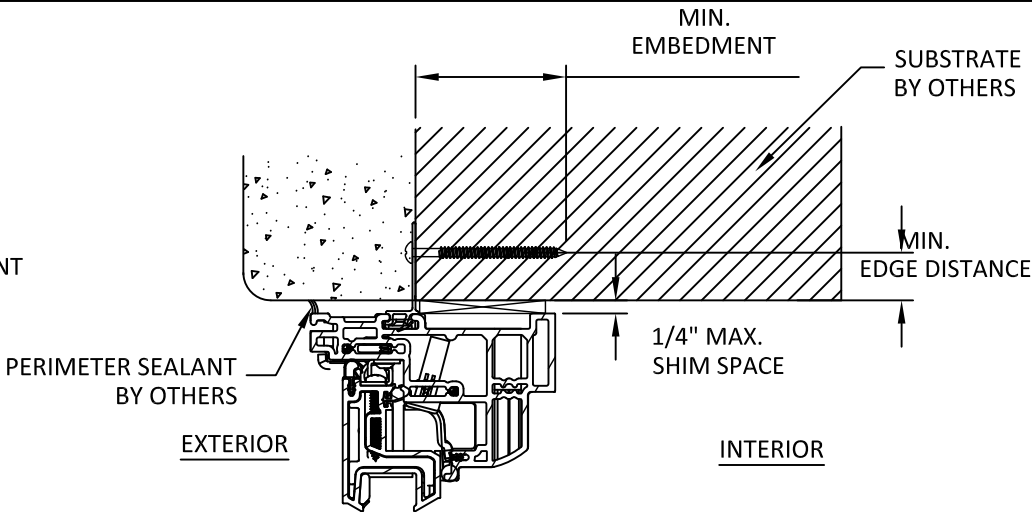
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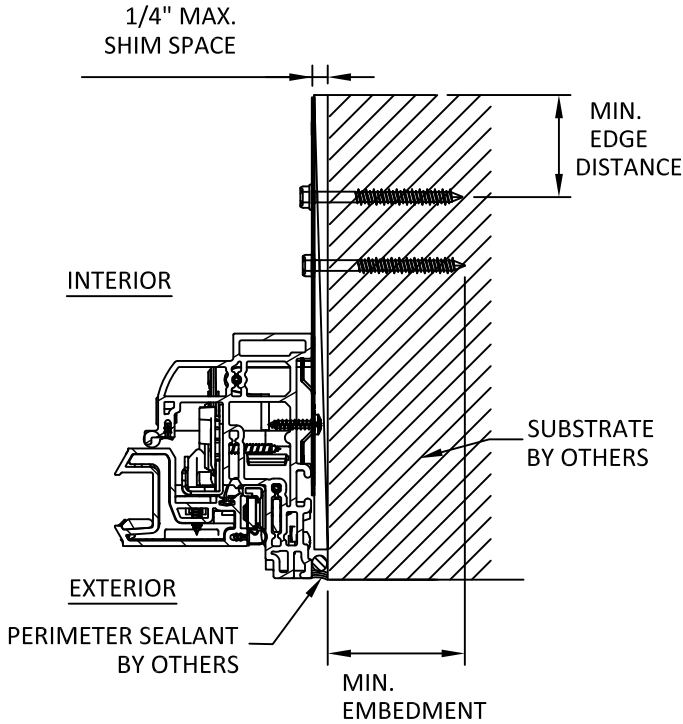
NOTE:
SILL & JAMB DETAIL SIMILAR.

A
6 **VERTICAL SECTION**
THROUGH FRAME (HEAD)



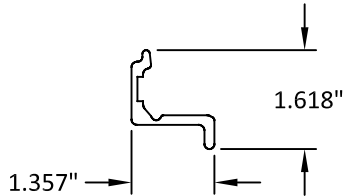
NOTE:
SILL & JAMB DETAIL SIMILAR.

B
6 **VERTICAL SECTION**
NAIL FIN (HEAD)



NOTE:
HEAD & SILL DETAIL SIMILAR.

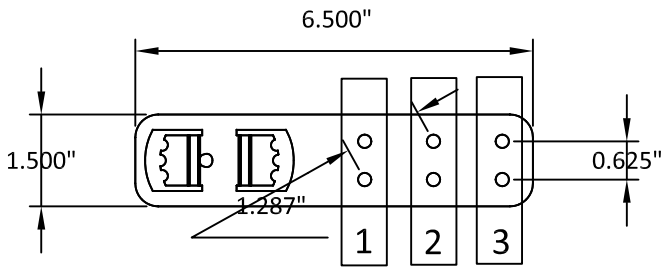
C
6 **HORIZONTAL SECTION**
THROUGH CLIP (JAMB)



**ACTIVE SASH MEETING STILE
REINFORCEMENT DETAIL**

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

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



INSTALLATION CLIP DETAIL

INSTALLATION CLIP ANCHOR REQUIREMENTS:

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

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

CONCRETE/MASONRY: USE TWO 3/16" ITW TAPCON ANCHORS, WITH ONE ANCHOR PLACED IN ROW NUMBER ONE AND ONE ANCHOR PLACED IN ROW NUMBER TWO OF PREDRILLED HOLES SHOWN BELOW. ANCHORS MUST BE PLACED DIAGONALLY ACROSS THE CLIP.

DO NOT INSTALL ANCHORS THROUGH ROW NUMBER THREE.



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ANCHOR DETAILS

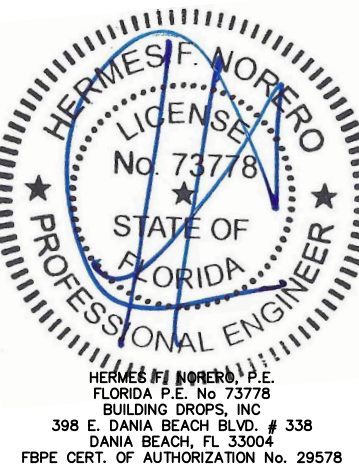
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1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/4$ INCH THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
4. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING 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. 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.
6. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
7. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
8. FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
9. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.

ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE
THROUGH CLIP & NAIL FIN	WOOD: MIN. SG = 0.55	#8 WOOD SCREW PAN HEAD	1.5"	0.75"
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	#8 HWH SMS SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.5"
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"
THROUGH FRAME & THROUGH CLIP	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



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INSTALLATION NOTES & ANCHOR SCHEDULE

PREPARED BY:



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DANIA BEACH, FL 33004

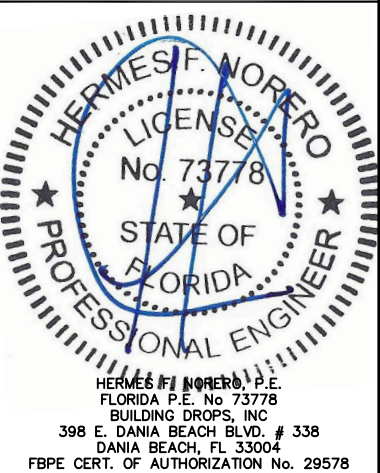
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OF 6