

AMERICAN CRAFTSMAN WINDOWS

SILVER LINE BUILDING PRODUCTS

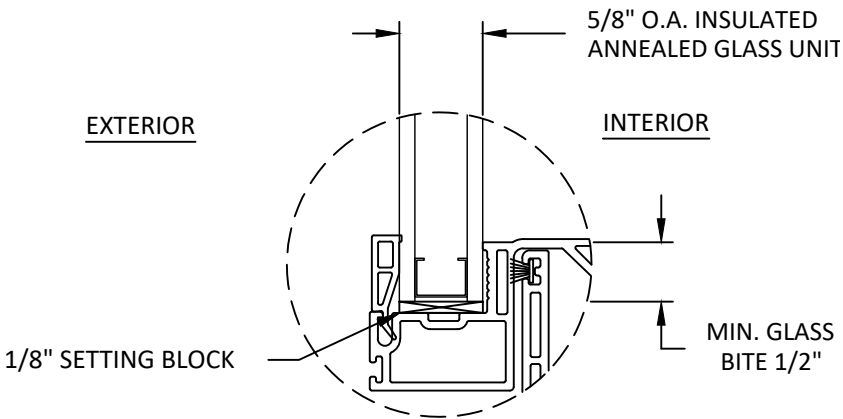
70 SERIES/V1 SERIES/(2900/4900) SINGLE-HUNG WINDOW (NON-IMPACT)

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 AS SPECIFIED HEREIN. REFER TO SHEET 6 FOR FURTHER DETAILS OF BUCK INSTALLATION.
4. 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.
5. APPROVED IMPACT PROTECTIVE SYSTEM IS **REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. WINDOW FRAME MATERIAL: PVC
7. IN ACCORDANCE WITH THE 6TH EDITION FBC, WOOD COMPONENTS SHALL HAVE BEEN PRESERVATIVE TREATED OR SHALL BE OF A DURABLE SPECIES AS DEFINED IN CHAPTER 23.
8. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.

MAX OVERALL		CONFIG.	DESIGN PRESSURE (PSF)	MISSILE RATING
WIDTH	HEIGHT			
38"	66"	OX	+50/-50	NON-IMPACT
38"	77"	OX	+35/-35	NON-IMPACT
38"	74"	OX	+50/-50	NON-IMPACT
44"	62"	OX	+50/-50	NON-IMPACT
48"	84"	OX	+20/-20	NON-IMPACT
48"	72"	OX	+35/-35	NON-IMPACT
52"	72"	OX	+25/-25	NON-IMPACT
36"	84"	ORIEL	+35/-35	NON-IMPACT
48"	96"	ORIEL	+20/-20	NON-IMPACT
72"	62"	OX-OX	+35/-35	NON-IMPACT
72"	84"	OX-OX	+25/-25	NON-IMPACT
72"	84"	OX-OX	+35/-35	NON-IMPACT
76"	62"	OX-OX	+50/-50	NON-IMPACT
76"	77"	OX-OX	+25/-25	NON-IMPACT
76"	72"	OX-OX	+50/-50	NON-IMPACT
79"	60"	OX-OX	+50/-50	NON-IMPACT
80"	74"	OX-OX	+25/-25	NON-IMPACT
80"	74"	OX-OX	+35/-35	NON-IMPACT
96"	74"	OX-OX	+30/-30	NON-IMPACT
108"	84"	OX-OX-OX	+20/-20	NON-IMPACT
108"	62"	OX-OX-OX	+30/-30	NON-IMPACT
108"	84"	OX-OX-OX	+25/-25	NON-IMPACT
108"	74"	OX-OX-OX	+35/-35	NON-IMPACT
108"	72"	OX-OX-OX	+50/-50	NON-IMPACT
108"	62"	OX-OX-OX	+50/-50	NON-IMPACT

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6	C	INSTALLATION NOTES, REINFORCEMENT AND ANCHOR DETAILS & ANCHOR SCHEDULE



GLAZING DETAIL 1

NOTE:
ALL GLAZING CONFIGURATIONS SHALL COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN CURRENT FBC AND ASTM E 1300 GLASS LOAD RESISTANCE.

AMERICAN CRAFTSMAN WINDOWS
SILVER LINE WINDOWS AND DOORS

ONE SILVERLINE DRIVE
NORTH BRUNSWICK, NJ 08902
PH: (888) 741-0354

TITLE:
70 SERIES/V1 SERIES/(2900/4900)
SINGLE-HUNG WINDOW
(NON-IMPACT)

INSTALLATION & GENERAL NOTES

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI CT., SUITE 2-15

MIAMI, FL 33132

PH: (954)399-8478

FAX: (954)744-4738

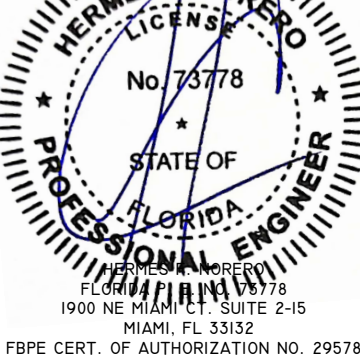
WEB: www.buildingdrops.com



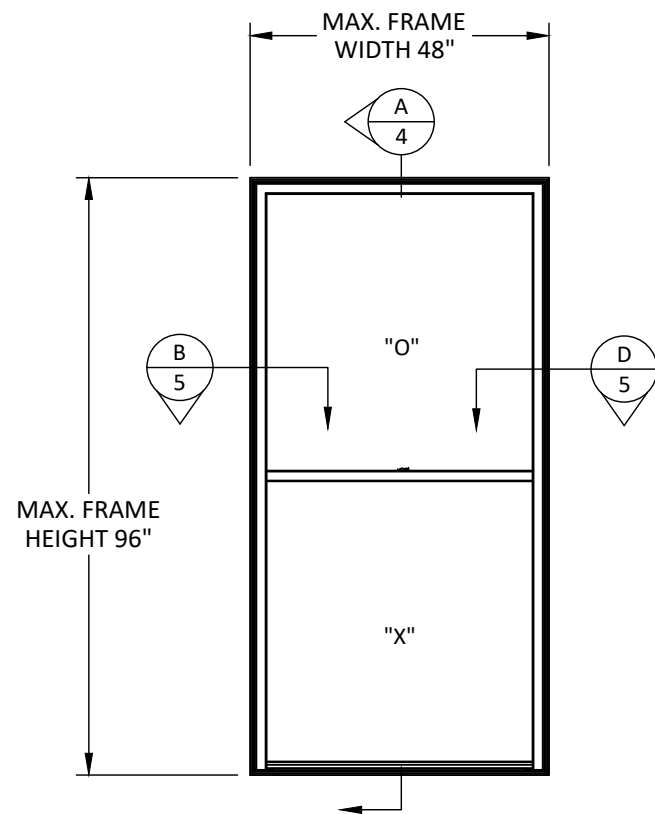
REMARKS	BY	DATE
6TH FBC EDITION	LM	06/14/17
7TH FBC EDITION	LH	10/10/20
Current FBC & EC24-100	LH	01/31/25

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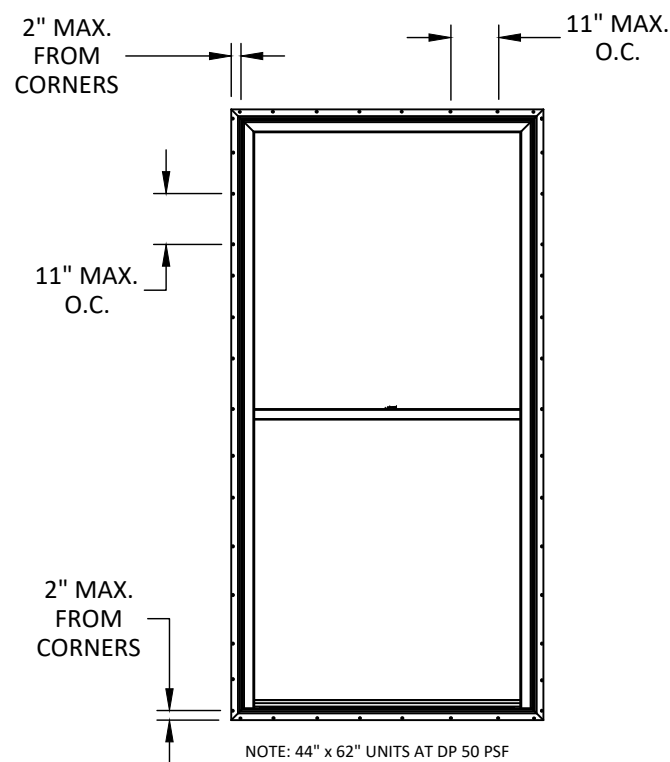
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Reason: I am approving this document
Date: 2025.03.18 11:00:00 -0400



FL #:	FL 19715
DATE:	12.04.17
DWG. BY:	LMS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	SWD002
SHEET:	1
	OF 7



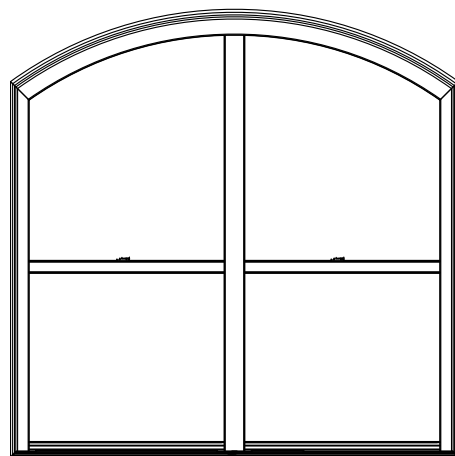
ELEVATION
SINGLE HUNG WINDOW



ANCHOR LAYOUT
NAIL FIN - SINGLE HUNG WINDOW

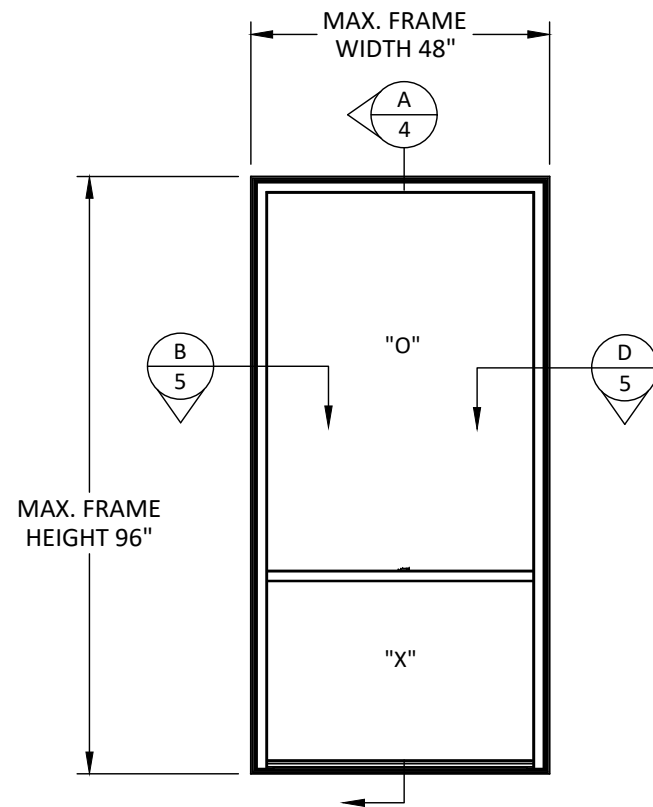
QUALIFIED CONFIGURATIONS

ARCH TOP CONFIGURATIONS FOR ALL 2901-4901
RATINGS, SINGLE UNIT CONFIGURATIONS

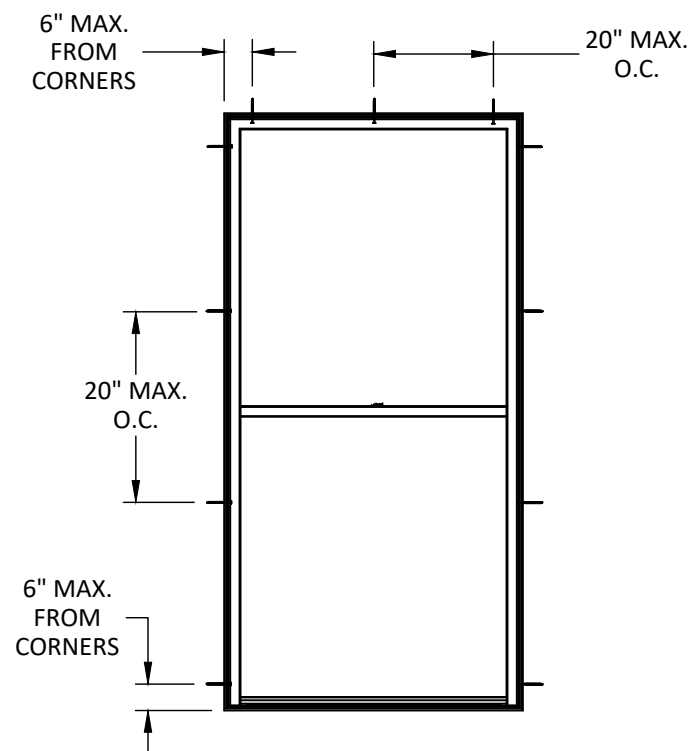


QUALIFIED CONFIGURATIONS

ARCH TOP CONFIGURATIONS FOR ALL 2902-4902
RATINGS, TWIN UNIT CONFIGURATIONS



ELEVATION
SINGLE HUNG ORIEL WINDOW



ANCHOR LAYOUT
THROUGH FRAME - SINGLE HUNG WINDOW

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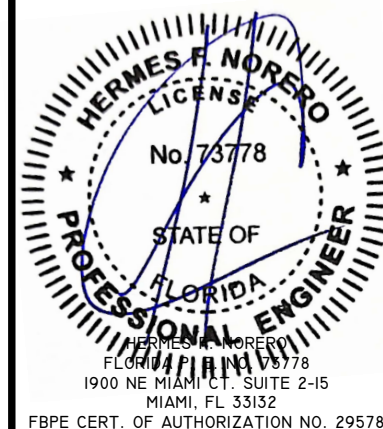
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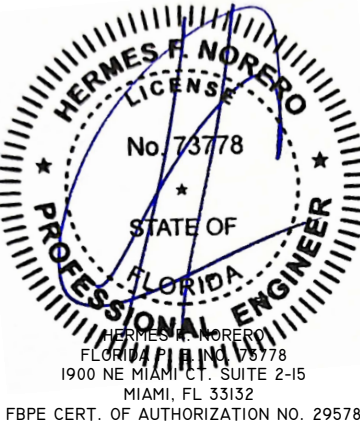
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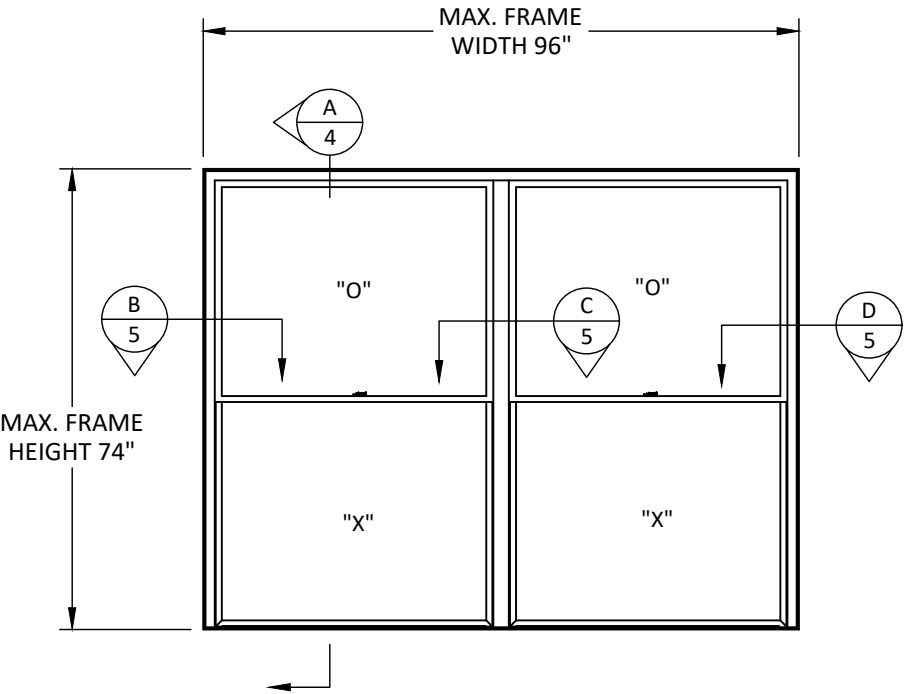
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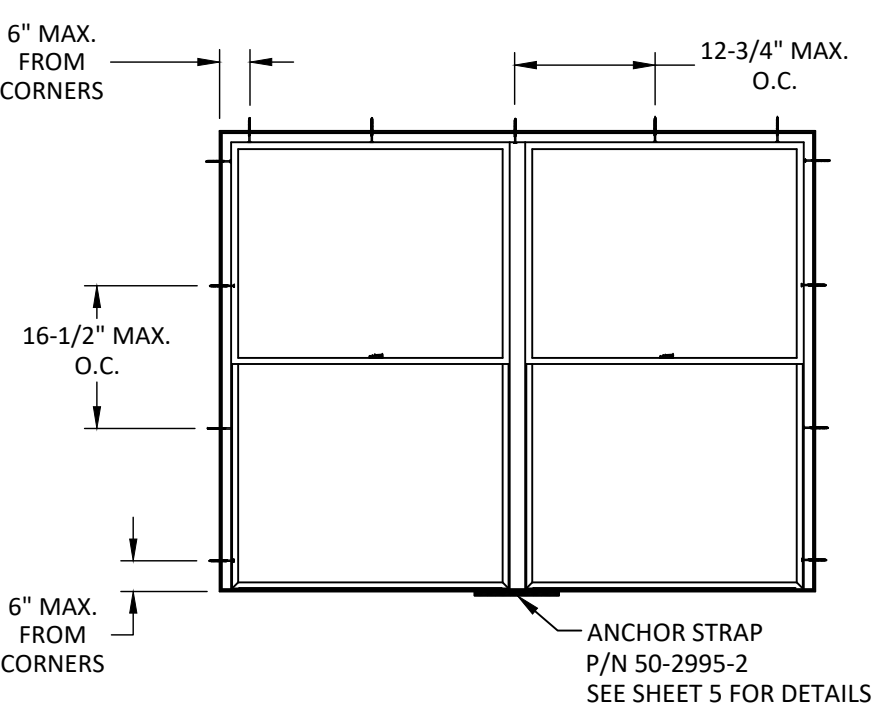
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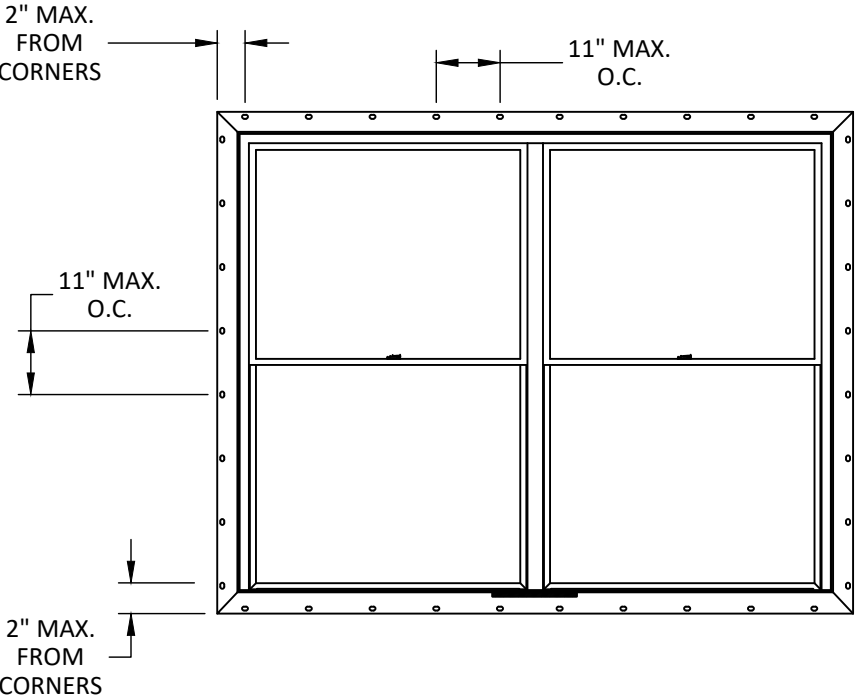
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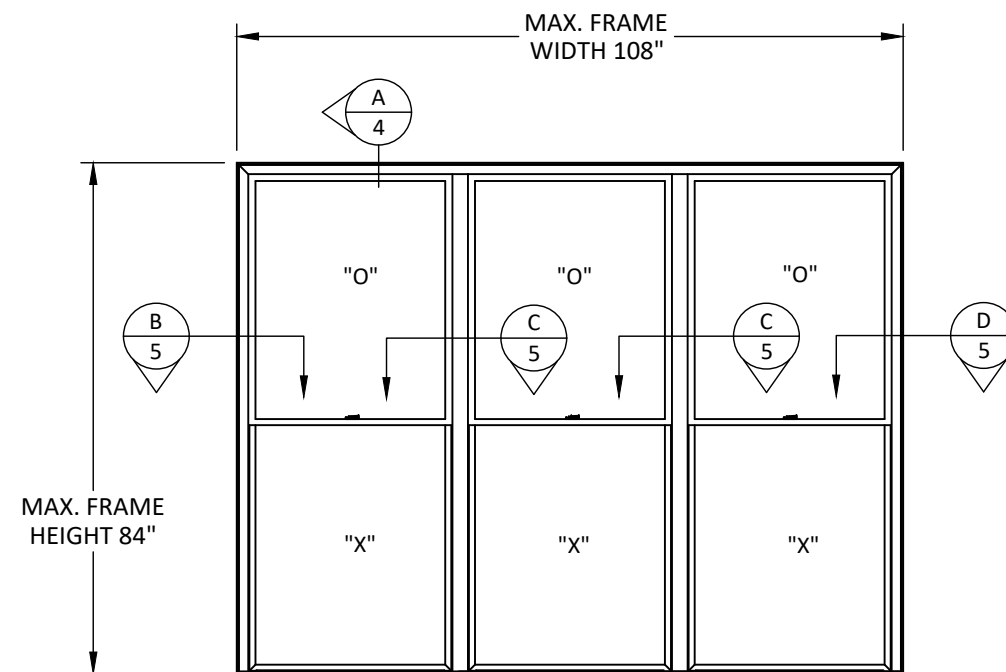
ELEVATION
TWIN SINGLE HUNG WINDOW



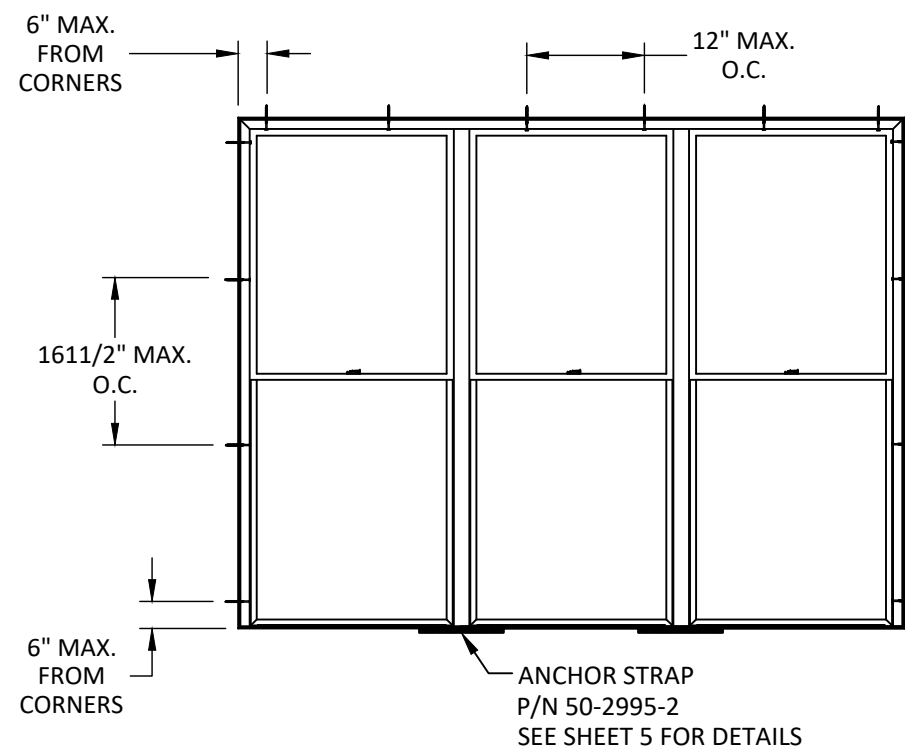
ANCHOR LAYOUT
THROUGH FRAME - TWIN SINGLE HUNG WINDOW



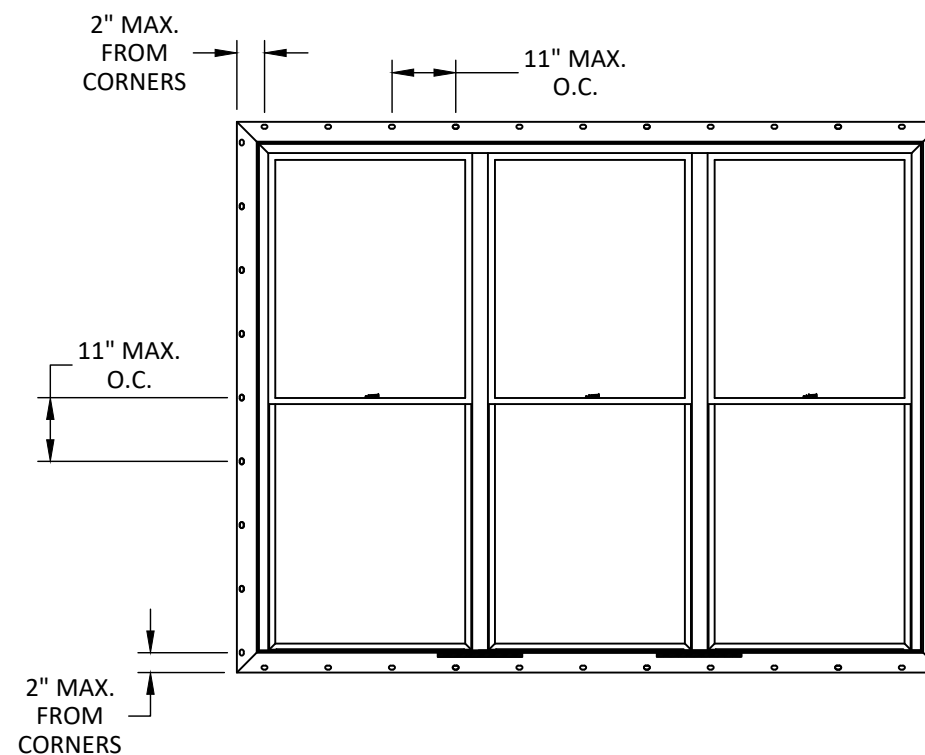
ANCHOR LAYOUT
NAIL FIN - TWIN SINGLE HUNG WINDOW



ELEVATION
TRIPLE SINGLE HUNG WINDOW



ANCHOR LAYOUT
THROUGH FRAME - TRIPLE SINGLE HUNG WINDOW



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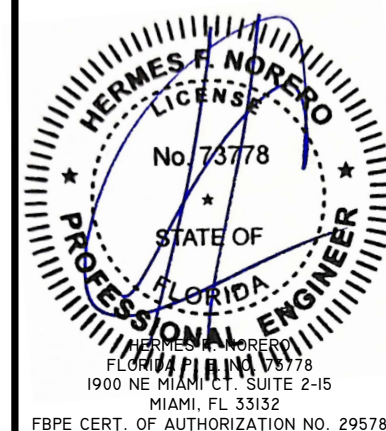
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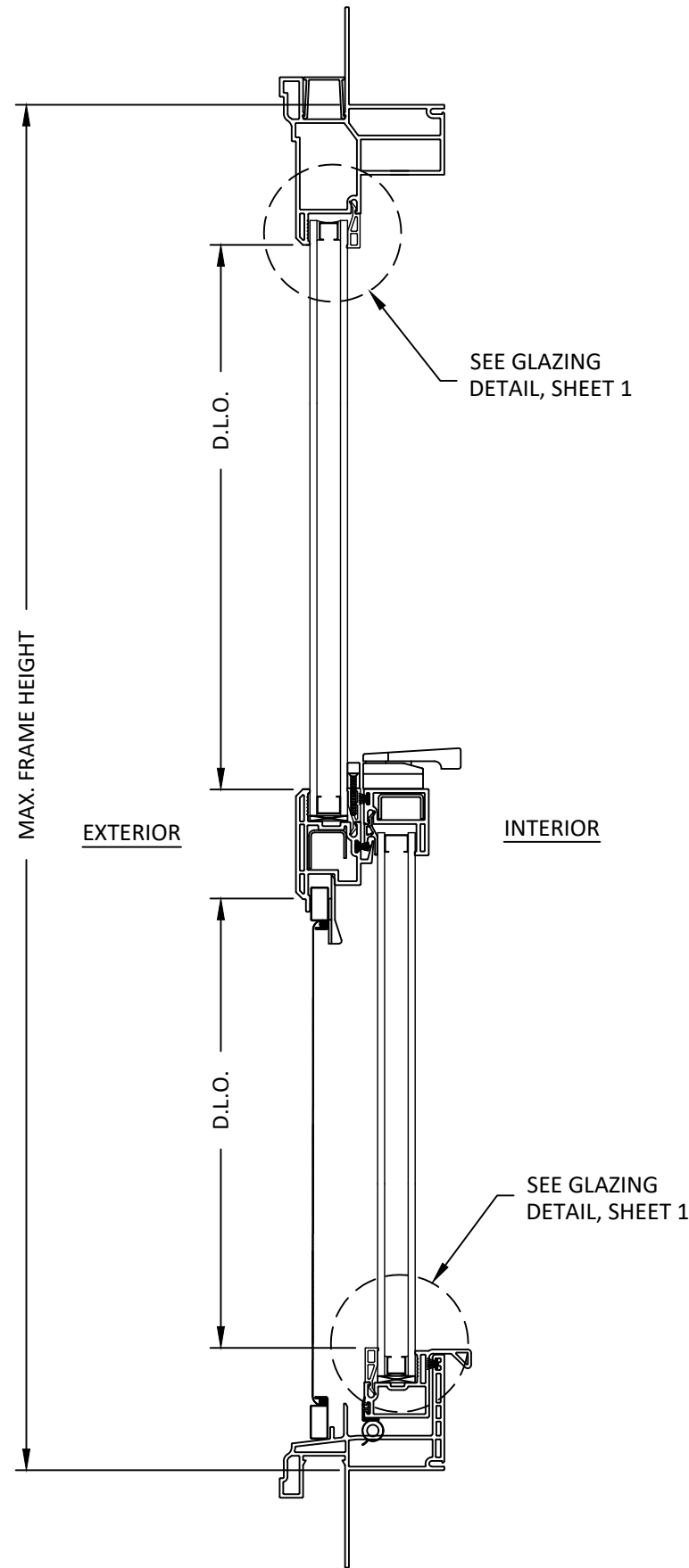
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VERTICAL SECTION

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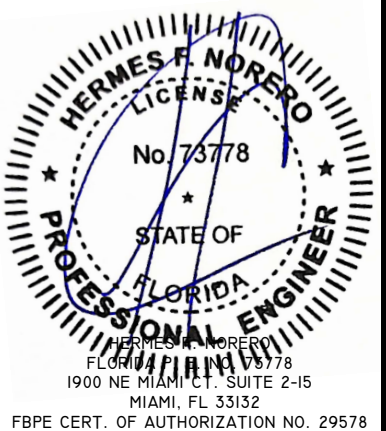
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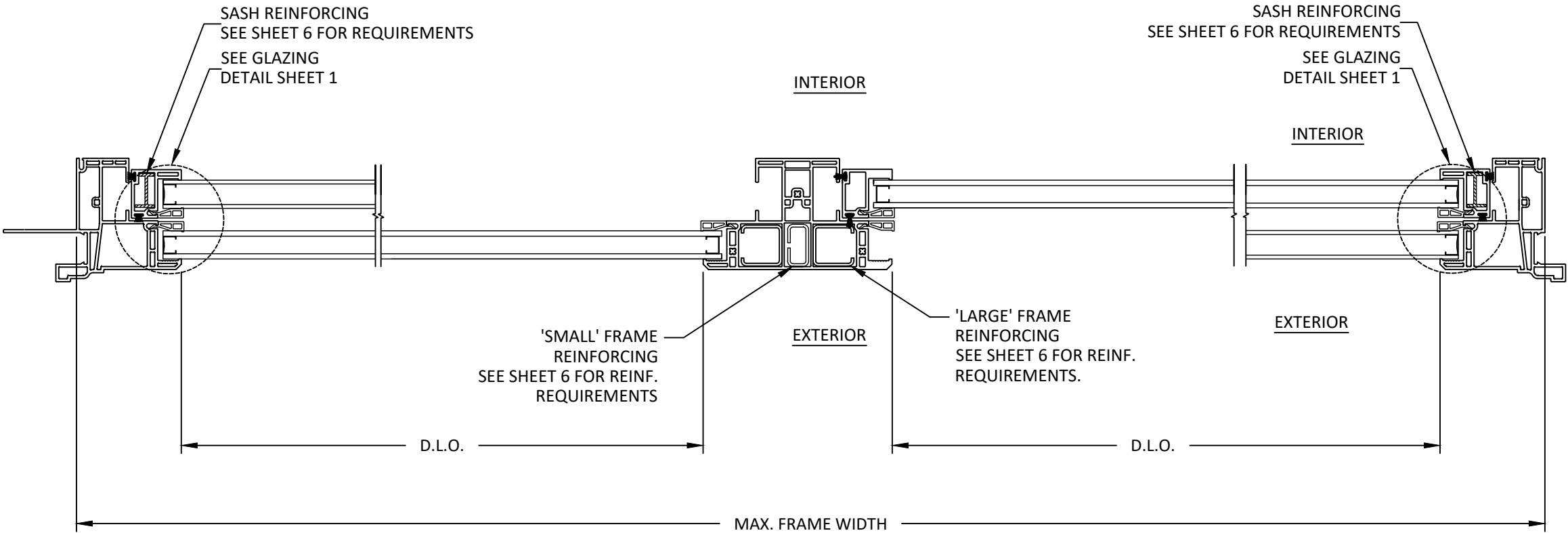
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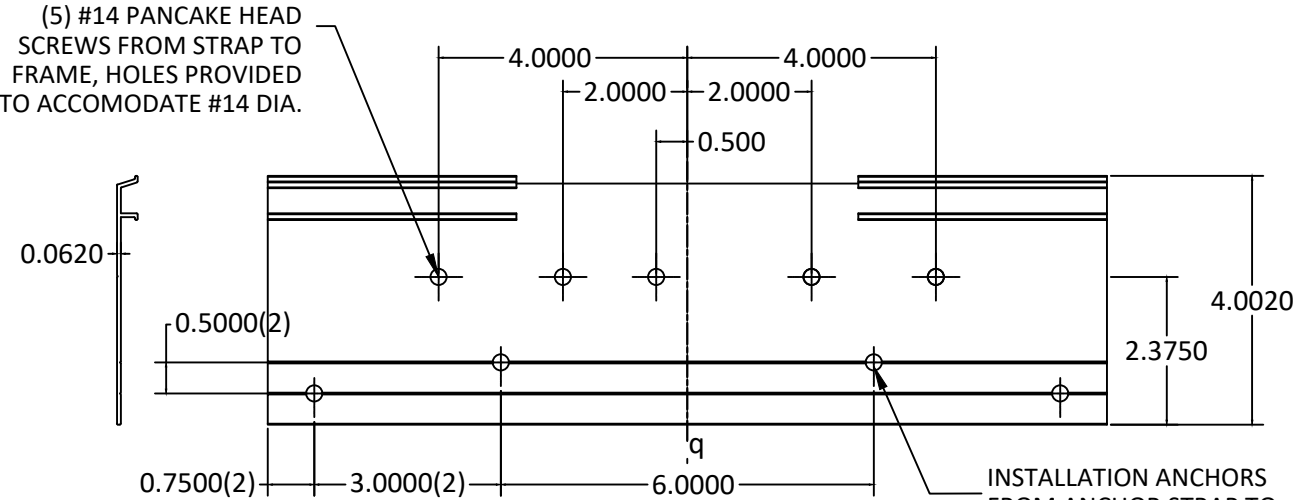
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B
5 **HORIZONTAL SECTION**
FIXED JAMB

C
5 **HORIZONTAL SECTION**
MULLION

D
5 **HORIZONTAL SECTION**
FIXED JAMB



PLAN VIEW - ANCHOR STRAP (P/N 50-2995-2)

ANCHOR STRAP ANCHORING REQUIREMENTS:

- A. FOR INSTALLATION TO CONCRETE/MASONRY, USE (4) 3/16" ITW TAPCONS PER STRAP, MIN. 1-1/4" EMBEDMENT, MIN. 1-3/4" EDGE DISTANCE.
- B. FOR INSTALLATION TO METAL STUD, USE (4) #10 SELF-DRILLING SCREWS, GR. 5, PER STRAP. MIN. 3 THREADS PENETRATION, MIN. 3/4" EDGE DISTANCE.
- C. FOR INSTALLATION TO WOOD, USE (4) #10 WOOD SCREWS PER STRAP. MIN. 1-1/2" EMBEDMENT, MIN. 1" EDGE DISTANCE.

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 ±1/2 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. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- 6. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- 7. 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.
- 8. 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.

 - ALUMINUM SASH REINFORCING

IS REQUIRED FOR THE FOLLOWING SIZE/RATINGS:

- 48 X 72, (O/X), DESIGN PRESSURE +/- 35 PSF
- 36 X 84, (O/X), DESIGN PRESSURE +/- 35 PSF
- 38 X 74, (O/X), DESIGN PRESSURE +/- 50 PSF
- 38 X 77, (O/X), DESIGN PRESSURE +/- 35 PSF
- 72 X 84, (O/X-O/X), DESIGN PRESSURE +/- 35 PSF
- 76 X 72, (O/X-O/X), DESIGN PRESSURE +/- 50 PSF
- 108 X 62, (O/X-O/X-O/X), DESIGN PRESSURE +/-50 PSF
- 108 X 72, (O/X-O/X-O/X), DESIGN PRESSURE +/-50 PSF

  - STEEL INTERMEDIATE FRAME 'LARGE' REINFORCING

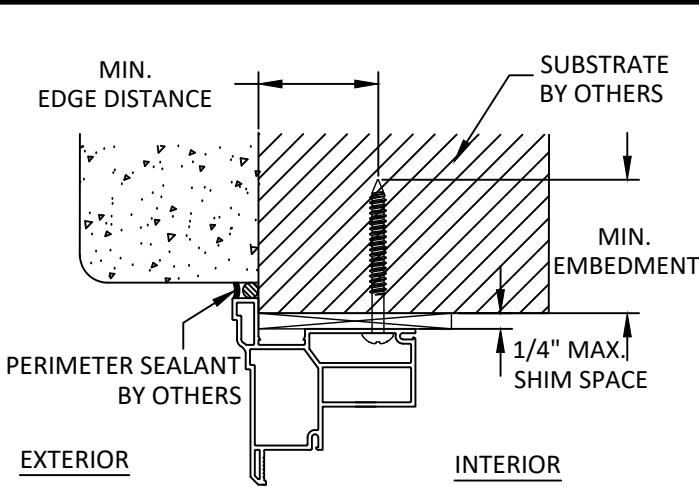
IS NOT REQUIRED FOR THE FOLLOWING SIZE/RATINGS:

- 76 X 62, (O/X-O/X), DESIGN PRESSURE +/- 35 PSF

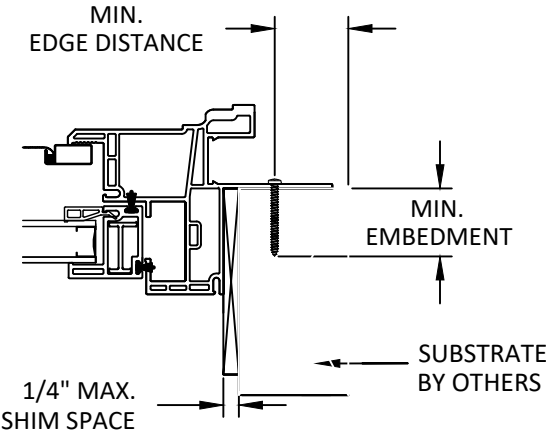
 - STEEL INTERMEDIATE FRAME 'SMALL' REINFORCING

IS NOT REQUIRED FOR THE FOLLOWING SIZE/RATINGS:

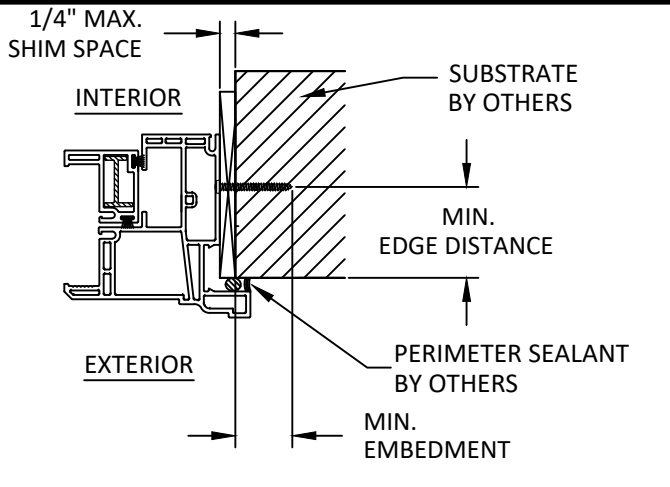
- 76 X 62, (O/X-O/X), DESIGN PRESSURE +/- 35 PSF



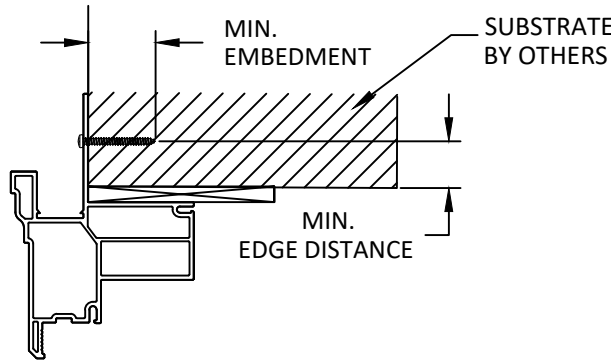
A
6 VERTICAL SECTION
THROUGH FRAME (HEAD)



C
6 HORIZONTAL SECTION
NAIL FIN (JAMB)



B
6 HORIZONTAL SECTION
THROUGH FRAME (JAMB)



D
6 VERTICAL SECTION
NAIL FIN (HEAD)

ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME ABOVE MEDIAN RAIL	WOOD: MIN. SG = 0.55	#10 WOOD SCREW FLAT HEAD	1-1/2"	3/4"
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	#10 TEK SCREW FLAT HEAD	3 THREADS MIN PENETRATION BEYOND METAL	3/4"
	CONCRETE: f _c =3000PSI	3/16" ITW TAPCON FLATHEAD	1-1/4"	1-3/4"
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON FLATHEAD	1-1/4"	1-3/4"
THROUGH FRAME BELOW MEDIAN RAIL AND HEAD	WOOD: MIN. SG = 0.55	#10 WOOD SCREW PAN HEAD	1-1/2"	3/4"
	METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI	#10 TEK SCREW PAN HEAD	3 THREADS MIN PENETRATION BEYOND METAL	3/4"
	CONCRETE: f _c =3000PSI	3/16" ITW TAPCON PAN HEAD	1-1/4"	1-3/4"
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON PAN THEAD	1-1/4"	1-3/4"
NAIL FIN	WOOD: MIN. SG = 0.55	#8 WOOD SCREW	1-1/2"	3/8"
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	#8 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	3/8"

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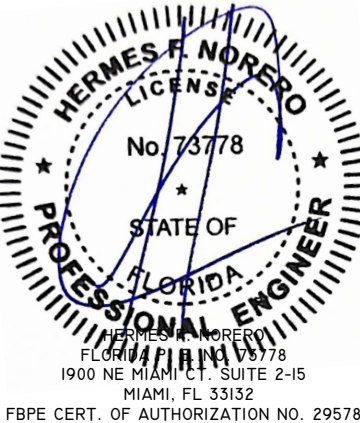
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7TH FBC EDITION	LH	10/10/20
Current FBC & EC24-100	LH	01/31/25

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.



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FBPE CERT. OF AUTHORIZATION NO. 29578

FL #:
FL 19715

DATE: **12.04.17**

DWG. BY: **LMS** | CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **SWD002**

SHEET: