

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 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.
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. INSTALLATION CLIP: FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE ONE (1) 3/16 INCH ITW TAPCON PER INSTALLATION CLIP OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
6. INSTALLATION CLIP: FOR INSTALLATION INTO 2X BUCK USE TWO (2) #8 OR ONE (1) #12 WOOD SCREWS PER INSTALLATION CLIP OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
7. INSTALLATION CLIP: FOR INSTALLATION THROUGH METAL STRUCTURE USE TWO (2) #8 SELF-TAPPING SCREWS PER INSTALLATION CLIP OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND METAL STRUCTURE FRAME SUBSTRATE.
8. FASTENER THROUGH FRAME: FOR INSTALLATION OF SPRINGLINE UNITS ONLY, INTO 2X BUCK USE ONE (1) #10 WOOD SCREW OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
9. FASTENER THROUGH FRAME: FOR INSTALLATION OF SPRINGLINE UNITS ONLY, THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE ONE (1) 3/16 INCH ITW TAPCON OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
10. FASTENER THROUGH FRAME: FOR INSTALLATION OF SPRINGLINE UNITS ONLY, THROUGH METAL STRUCTURE USE ONE (1) #10 SELF-TAPPING SCREWS PER INSTALLATION CLIP OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND METAL STRUCTURE.
11. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
12. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
13. 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.
14. 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.
15. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.

B. CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.

C. GROUT-FILLED CMU- UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.

D. HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.

E. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 33 MILS (20 GAUGE).

F. ALUMINUM - ALUMINUM - 1/8" MINIMUM THICKNESS (6063-T5).

ANDERSEN CORPORATION

400 SERIES SPECIALTY WINDOW - FLEXIFRAME,

ARCH FLEXIFRAME AND SPRINGLINE

(NON-HVHZ)(IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), **EXCLUDING** HVHZ, AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:

• AAMA/WDMA/CSA 101/ I.S.2/A440-17

• ASTM E1886-19

• ASTM E1996-20
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND METAL STUD 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. 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.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 4 OR LESS.
6. WINDOW FRAME MATERIAL: PONDEROSA PINE (MIN. S.G. = 0.40)/VINYL
7. GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 7 FOR GLAZING DETAILS.
8. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:

X: OPERABLE PANEL

O: FIXED PANEL

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5	VERTICAL SECTIONS
6	HORIZONTAL SECTIONS
7	BOM, COMPONENTS, & GLAZING DETAILS

DESIGN PRESSURE RATING			
PRODUCT SIZE	GLASS TYPE	DESIGN PRESSURE	MISSILE IMPACT RATING
60" X 120"	1 OR 2	+70.0 / -70.0 PSF *	LARGE & SMALL MISSILE IMPACT RATED
72" X 84"	1	+70.0 / -70.0 PSF *	

ADDITIONAL SIZES DESIGN PRESSURE RATING			
PRODUCT SIZE	GLASS TYPE	DESIGN PRESSURE	MISSILE IMPACT RATING
48" X 144"	1 OR 2	+70.0 / -70.0PSF *	LARGE & SMALL MISSILE IMPACT RATED
54" X 132"	1 OR 2	+70.0 / -70.0PSF *	
66" X 108"	1 OR 2	+63.6 / -63.6 PSF *	

* NOTE: SEE SHEET 7 FOR GLAZING REQUIREMENTS BASED ON SIZE



ANDERSEN
WINDOWS & DOORS

100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096

PH: (651) 264-5150 FX: (651) 264-5485

TITLE: 400 SERIES SPECIALTY WINDOW - FLEXIFRAME, ARCH FLEXIFRAME AND SPRINGLINE (NON-HVHZ)(IMPACT)

GENERAL & INSTALLATION NOTES

PREPARED BY: BUILDING DROPS, INC.

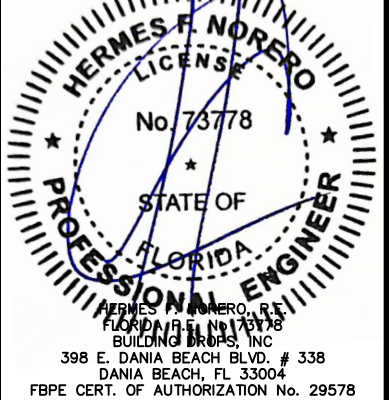
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DANIA BEACH, FL 33004
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
5TH FBC CODE CHANGE	SM	4.14.15
6TH FBC CODE CHANGE	CL	8.15.17
7TH FBC CODE CHANGE	SR	3.20.20
8TH FBC CODE CHANGE	SH	5.25.23

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.08.14 20:52:17 -0400'



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

FL #:

FL15905

DATE:

08.15.17

DWG. BY:

CL

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

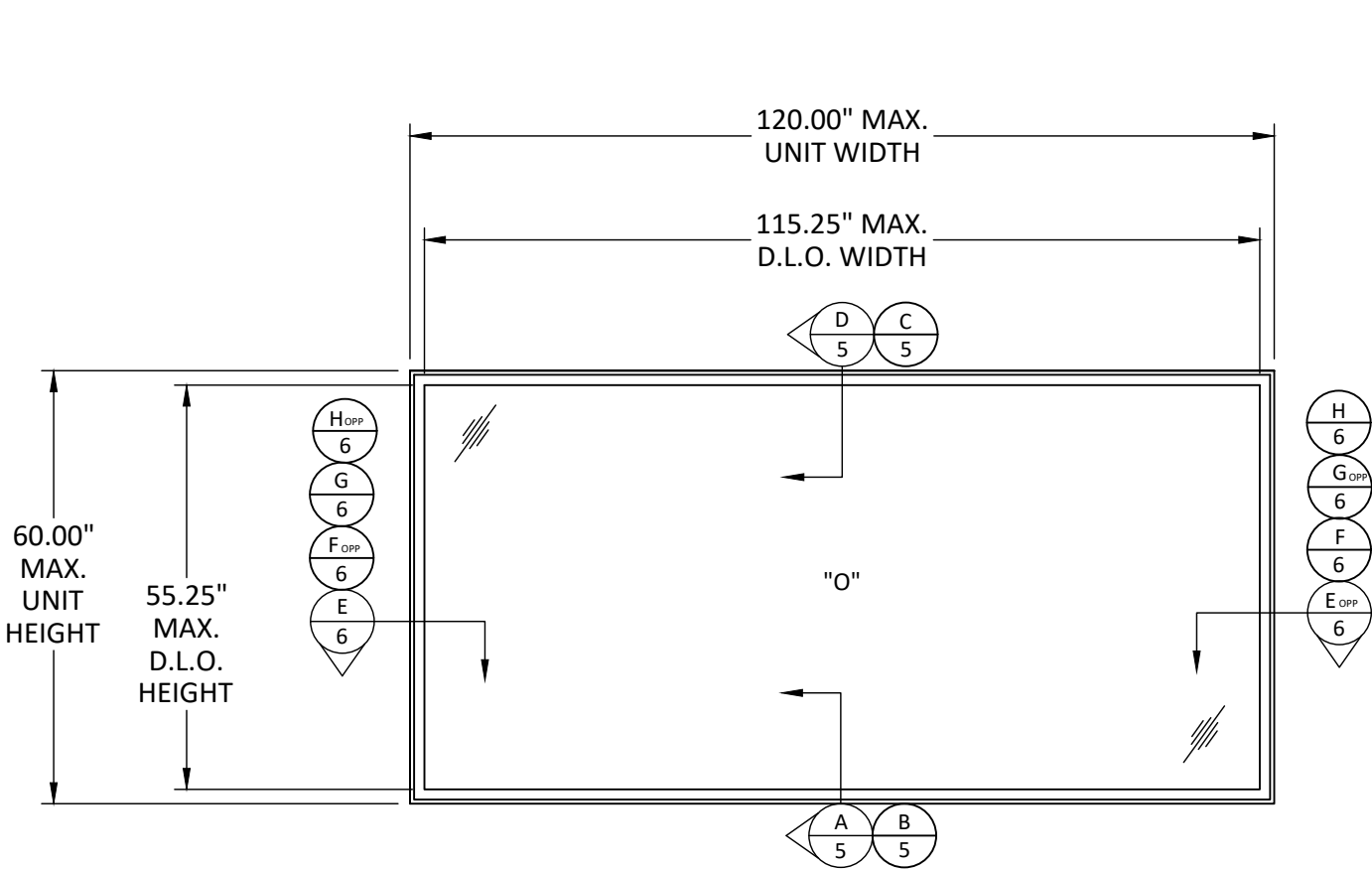
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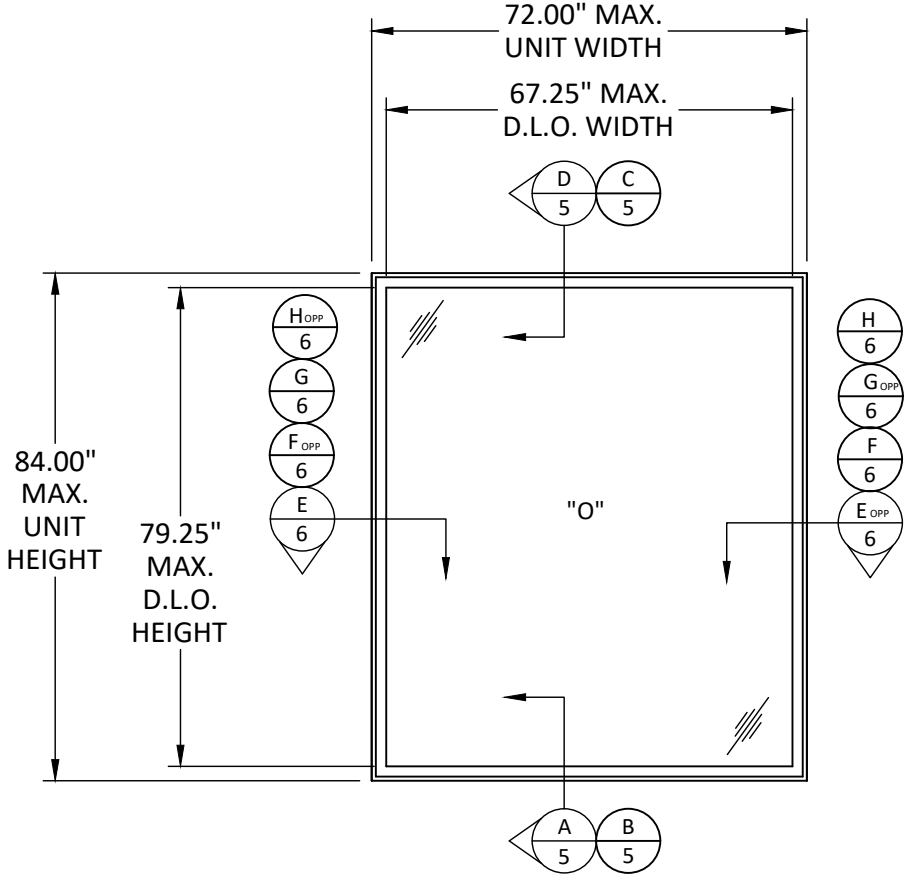
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ELEVATION



ELEVATION

SEE ANCHOR SCHEDULE, SHEET 4, FOR TYP. DIST. FROM CORNERS

SEE ANCHOR SCHEDULE, SHEET 4

INSTALLATION CLIP

SEE ANCHOR SCHEDULE, SHEET 4

SEE ANCHOR SCHEDULE, SHEET 4, FOR TYP. DIST. FROM CORNERS

ANCHOR LAYOUT
INSTALLATION CLIP

SEE ANCHOR SCHEDULE, SHEET 4, FOR TYP. DIST. FROM CORNERS

SEE ANCHOR SCHEDULE, SHEET 4

INSTALLATION CLIP

SEE ANCHOR SCHEDULE, SHEET 4

SEE ANCHOR SCHEDULE, SHEET 4, FOR TYP. DIST. FROM CORNERS

ANCHOR LAYOUT
INSTALLATION CLIP



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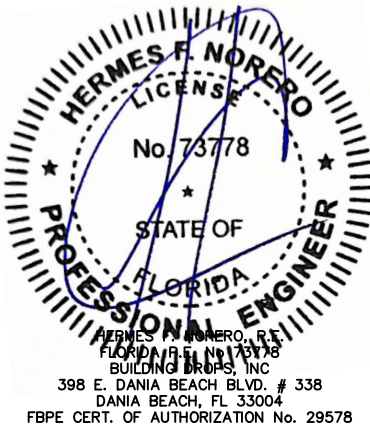
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ELEVATIONS & ANCHOR LAYOUTS

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SCALE: NTS

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ELEVATION & ANCHOR LAYOUT

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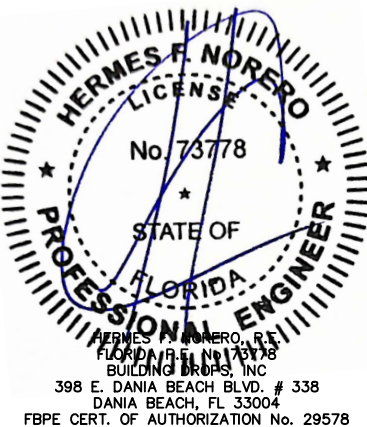
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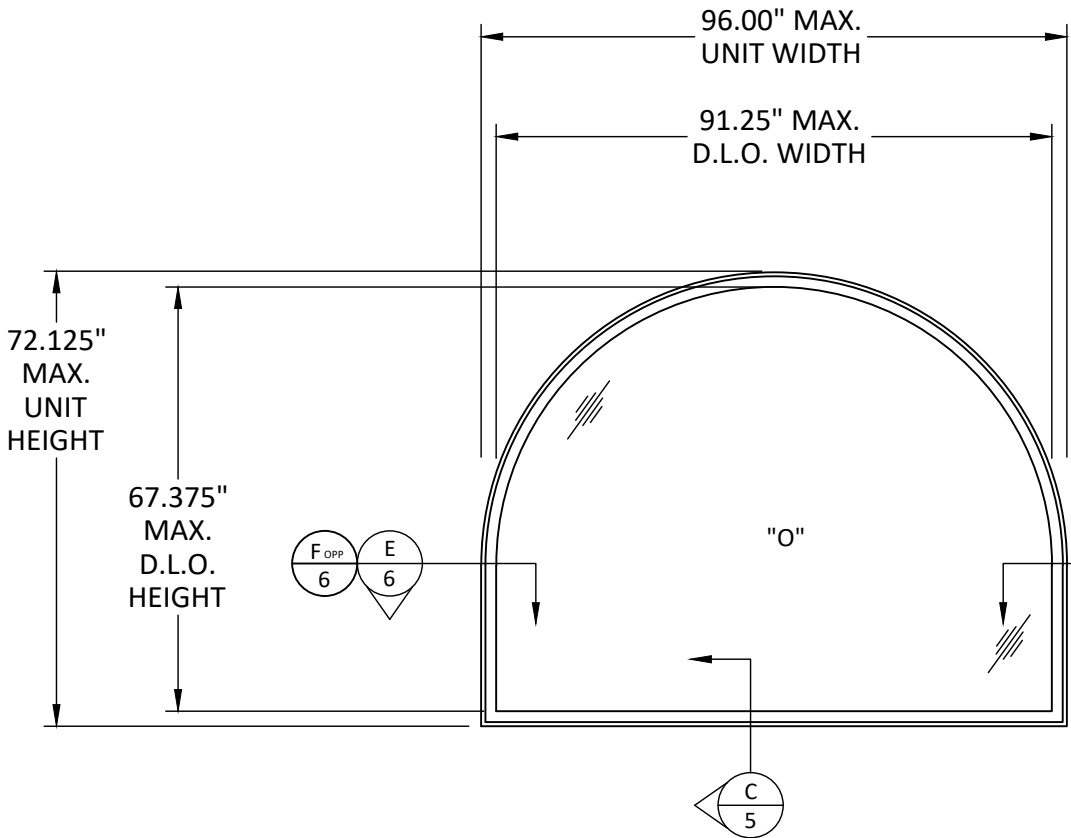
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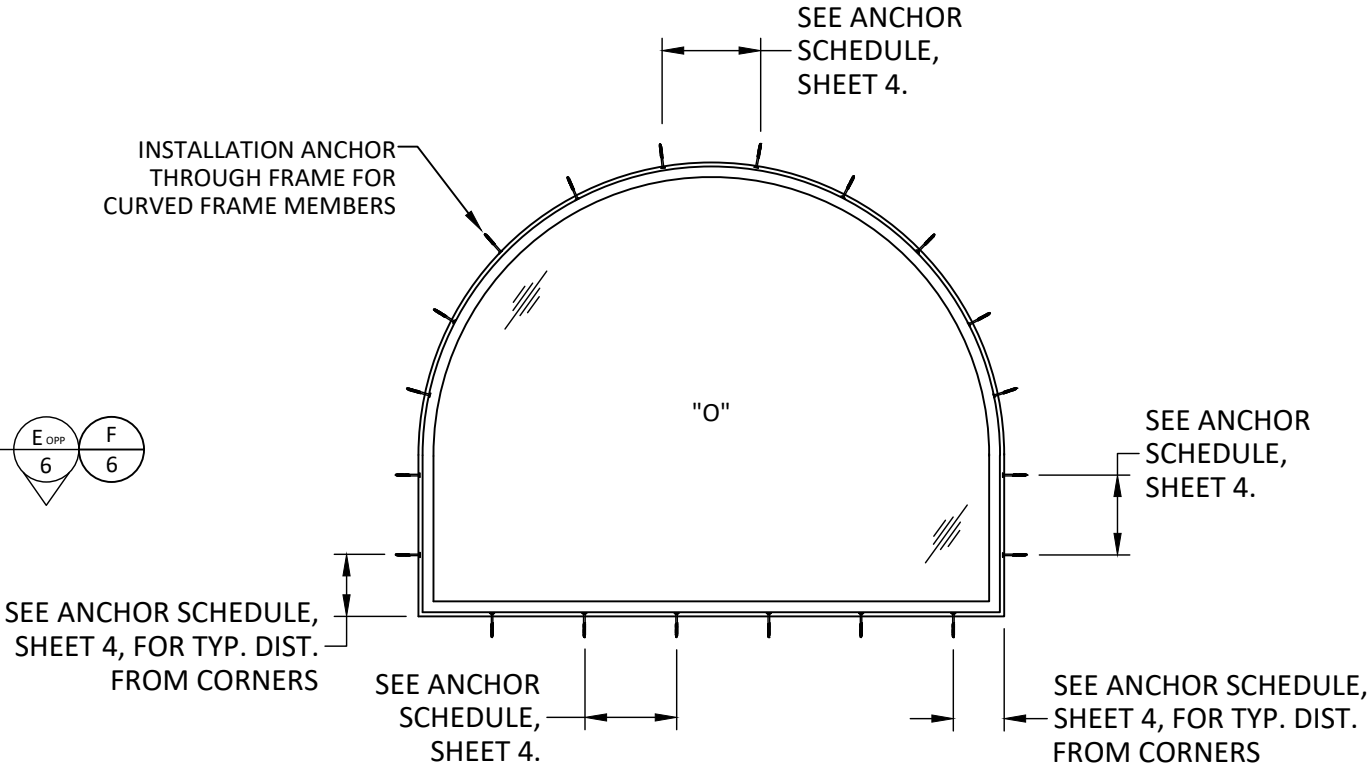
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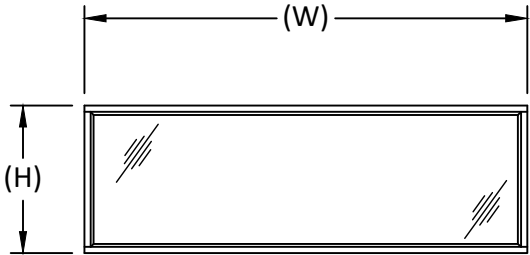
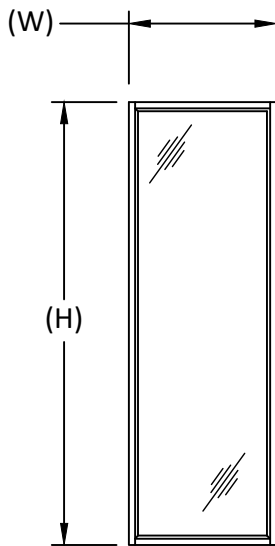
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ELEVATION



ANCHOR LAYOUT
FASTENER THROUGH FRAME

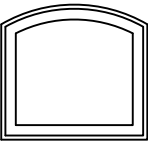


NOTE:
WINDOW WIDTH (W) AND HEIGHT (H) ARE INTERCHANGEABLE FOR ALL SIZES SHOWN HEREIN NOT TO EXCEED MAXIMUM TESTED SQUARE FOOT AREA. ANCHOR SPACING SHALL NOT EXCEED THOSE SHOWN FOR LONG OR SHORT LEG OF UNIT.

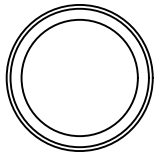
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+70 / -70 PSF FASTENER THROUGH FRAME OR INSTALLATION CLIP ANCHOR SCHEDULE						
QTY.	SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT (in.)	MAX. O.C. SPACING		DIST. FROM CORNER
				HEAD & SILL	JAMBS	
2 PER CLIP	WOOD	#8 WOOD ANCHOR	1.50"	20"	20"	6"
1 PER CLIP	WOOD	#12 WOOD ANCHOR	1.50"	20"	20"	6"
1 PER CLIP	CONCRETE / MASONRY	3/16" ITW TAPCON	1.25"	16"	15"	6"
2 PER CLIP	METAL STRUCTURE	#8 SELF-TAPPING SCREW	3 THREADS	20"	20"	6"
1 (THROUGH FRAME)	WOOD	#10 WOOD ANCHOR	1.50"	15"	15"	12"
1 (THROUGH FRAME)	CONCRETE / MASONRY	3/16" ITW TAPCON	1.25"	15"	15"	12"
1 (THROUGH FRAME)	METAL STRUCTURE	#10 SELF-TAPPING SCREW	3 THREADS	13.75"	15"	12"

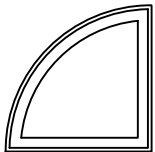
- NOTES:
- OVERALL WIDTH AND HEIGHT DIMENSIONS OF SHAPES SHOWN BELOW SHALL BE WITHIN AND CIRCUMSRIBED BY MAX. OVERALL DIMENSIONS SHOWN ON SHEETS 2 & 3.
 - CURVED OR ANGLED SIDES SHALL UTILIZE THE LESSER MAX. O.C. ANCHOR SPACING BETWEEN HEAD/SILL AND JAMB SPACING AS SPECIFIED IN THE ANCHOR SCHEDULE TABLE AT LEFT



ARCH



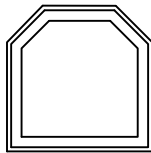
MONUMENTAL
CIRCLE



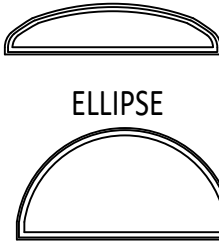
MONUMENTAL QUARTER
ROUND



EQUILATERAL
HEXAGON



HEXAGON



ELLIPSE

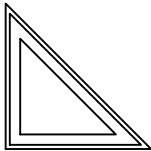
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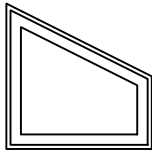
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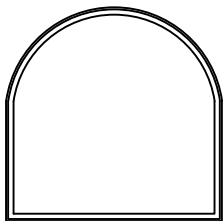
ISOSCELES
TRIANGLE



RIGHT
TRIANGLE



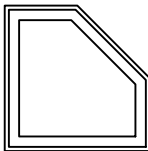
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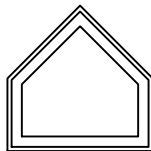
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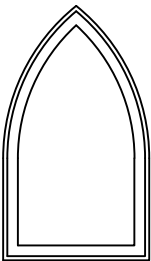
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ANGLED
PENTAGON



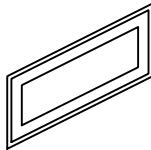
PEAKED
PENTAGON



GOTHIC



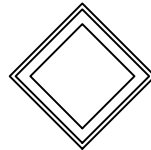
CHORD



VERTICAL
PARALLELOGRAM



HORIZONTAL
PARALLELOGRAM



DIAMOND



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QUALIFIED SHAPES & ANCHOR SCHEDULE

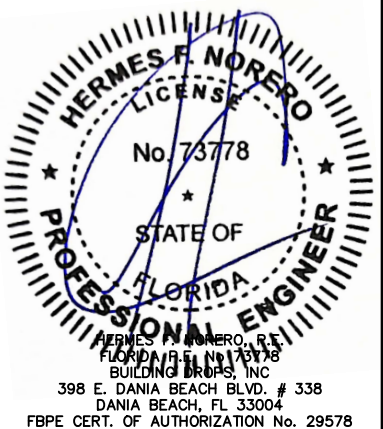
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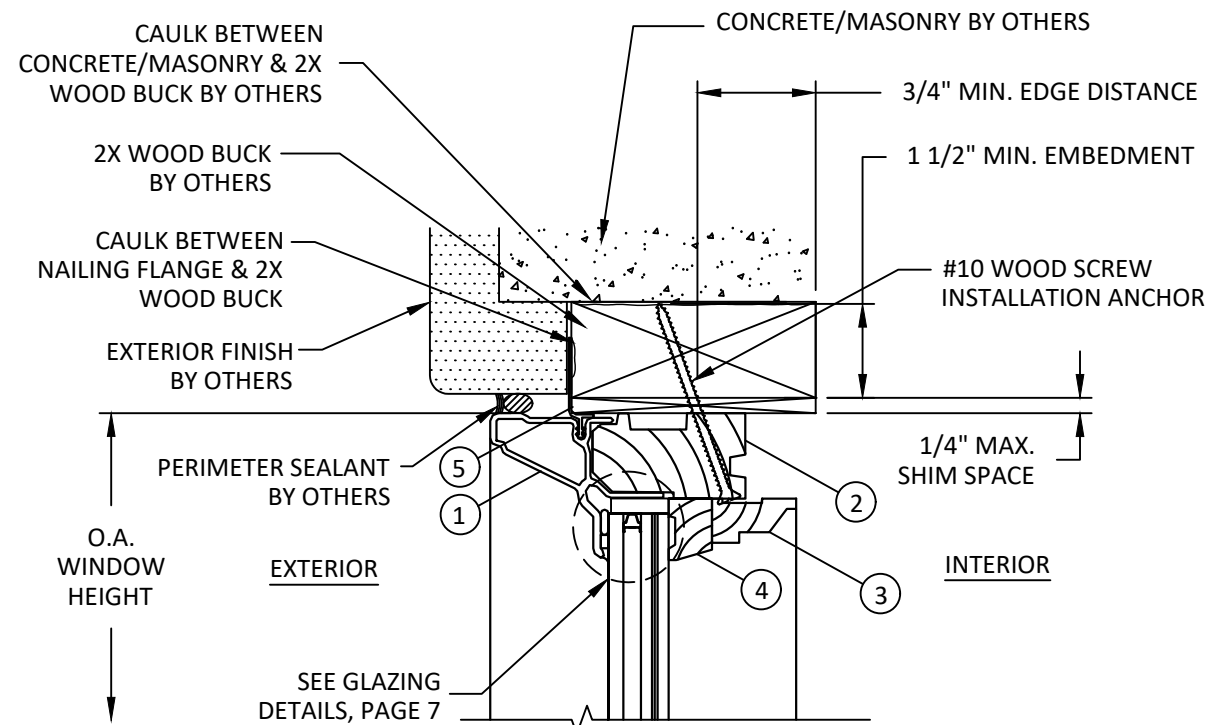
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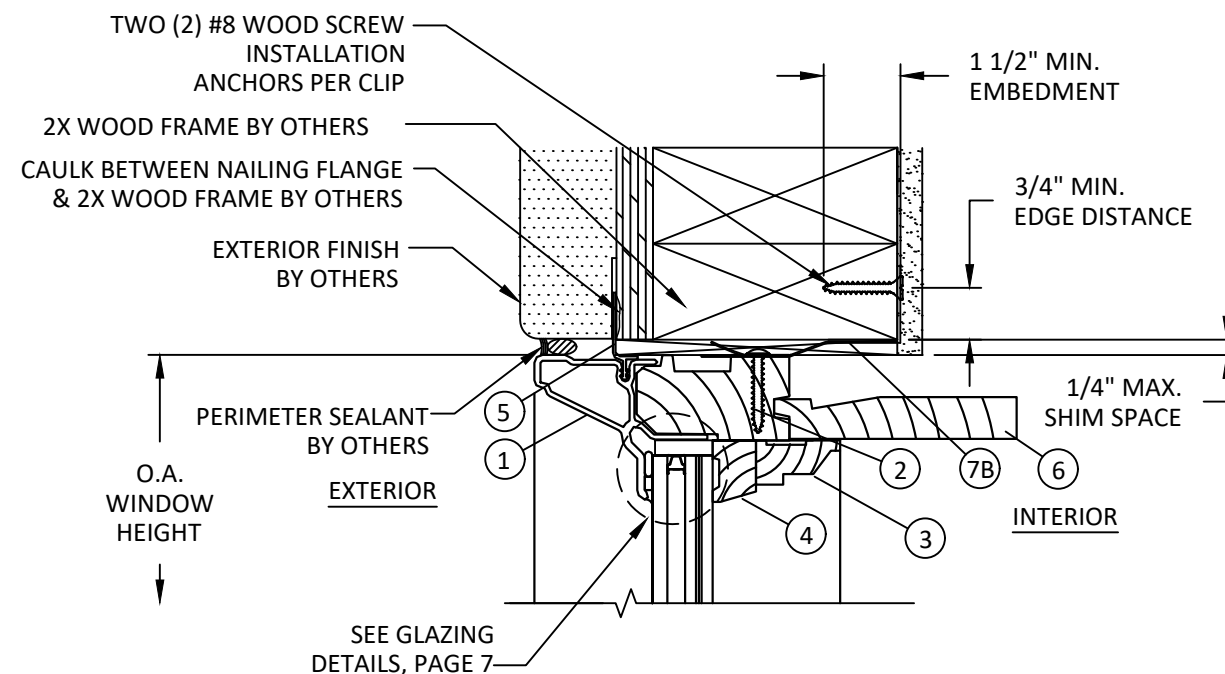


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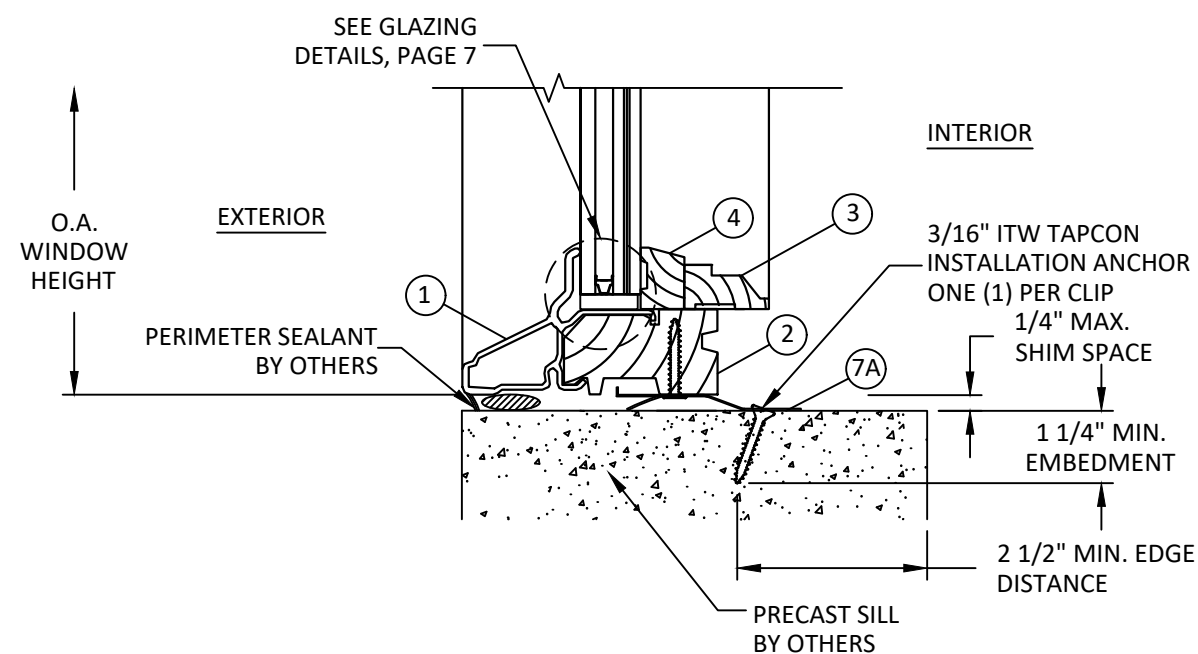
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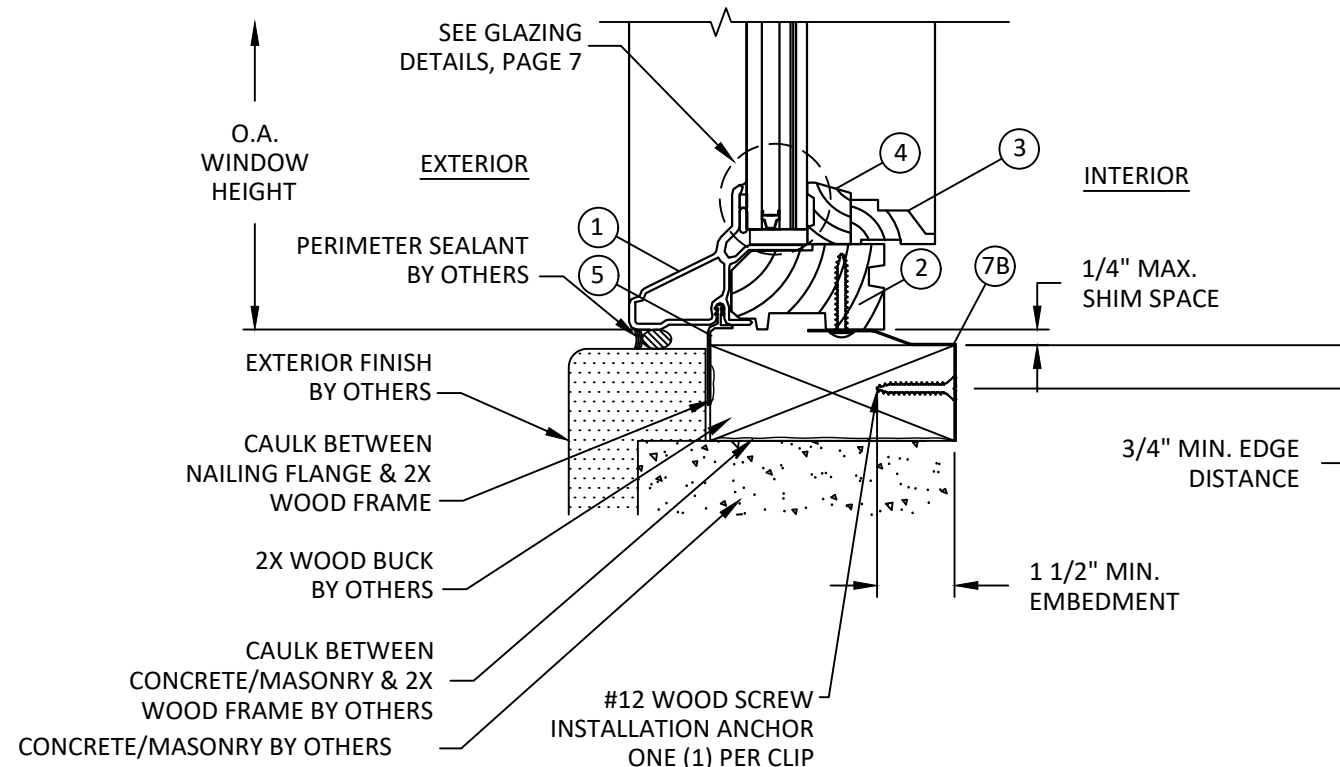
C
5 **VERTICAL SECTION**
HEAD - 2X WOOD FRAME
FASTENER THROUGH FRAME



D
5 **VERTICAL SECTION**
HEAD - 2X WOOD FRAME
INSTALLATION CLIP



A
5 **VERTICAL SECTION**
SILL - CONCRETE/MASONRY
INSTALLATION CLIP



NOTE: NAILING FIN USE IS REQUIRED WHEN INSTALLATION CLIP (ITEM #7B) IS WRAPPED AROUND BUCK AS SHOWN IN DETAILS B/5 & D/5.

B
5 **VERTICAL SECTION**
SILL - 2X WOOD FRAME
INSTALLATION CLIP



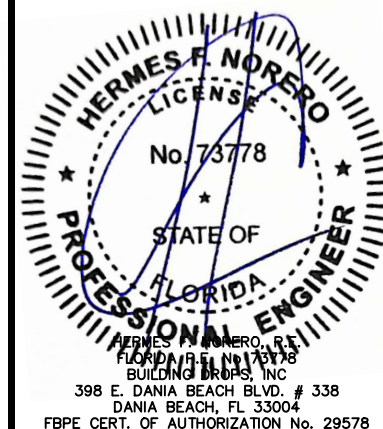
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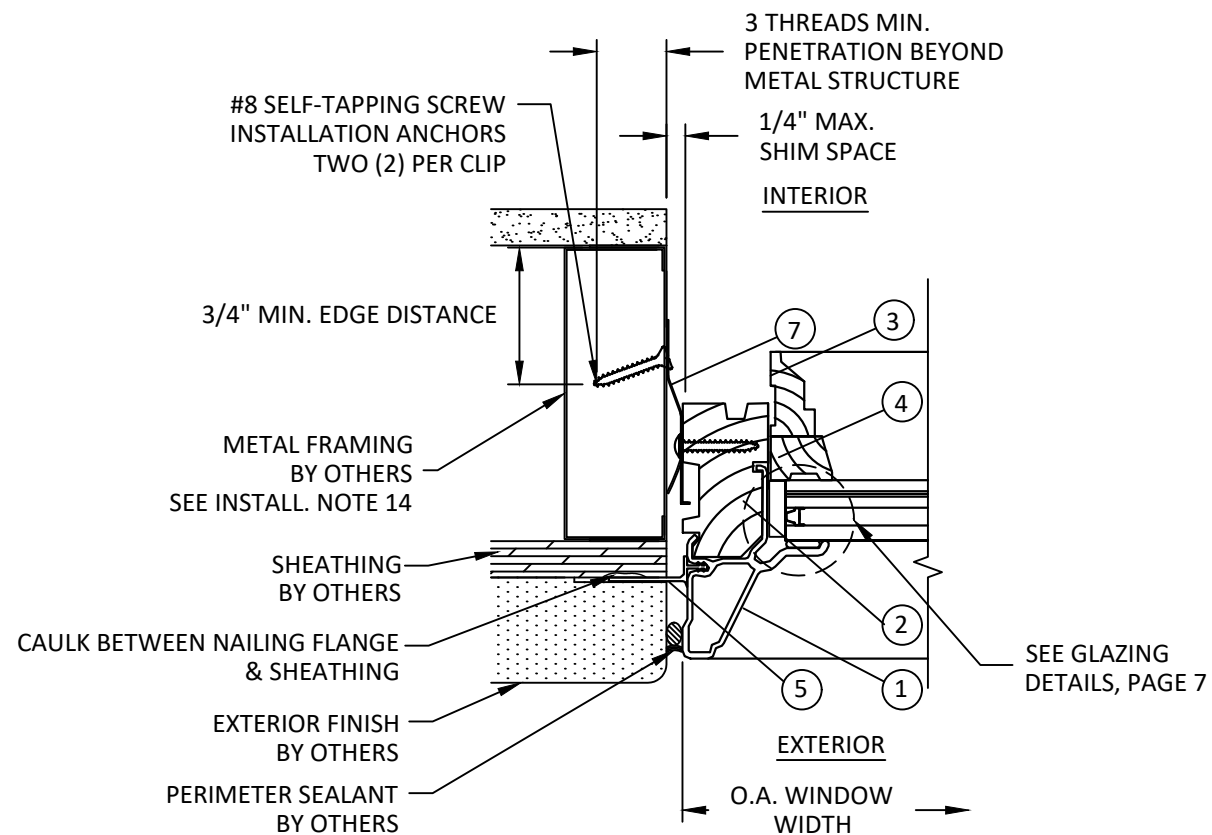
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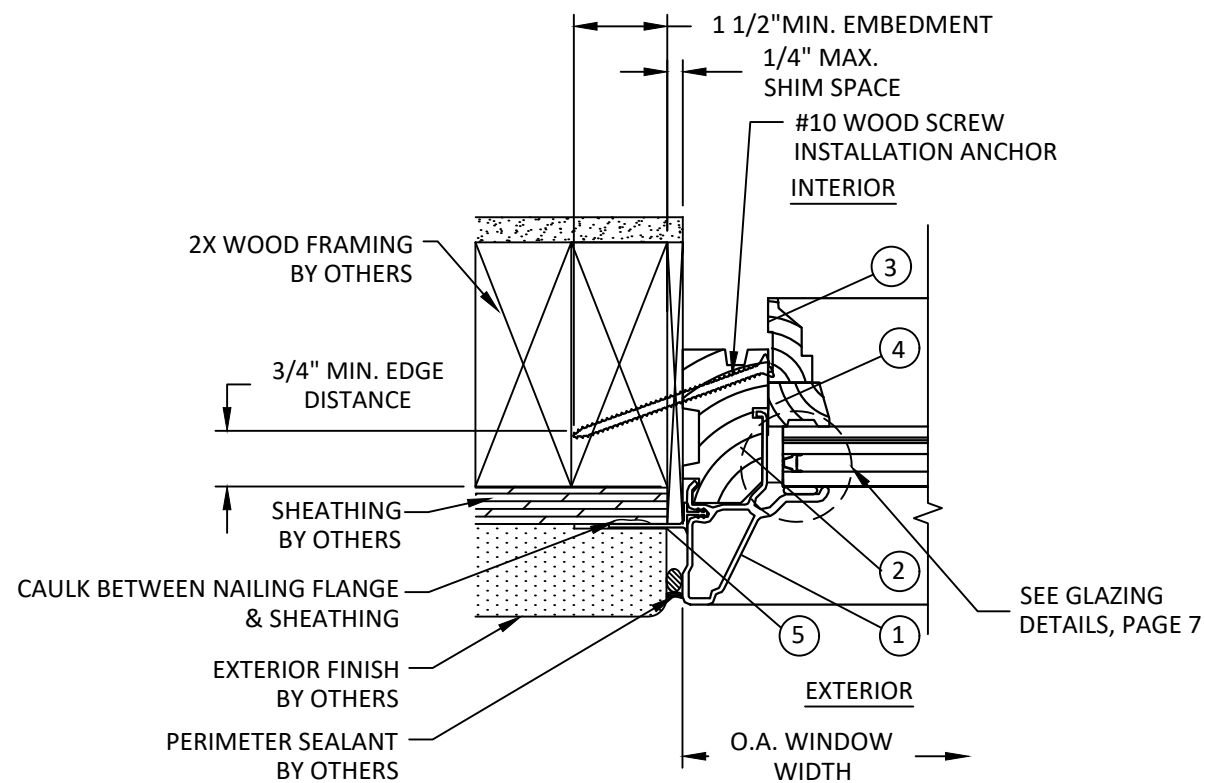
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OF 7

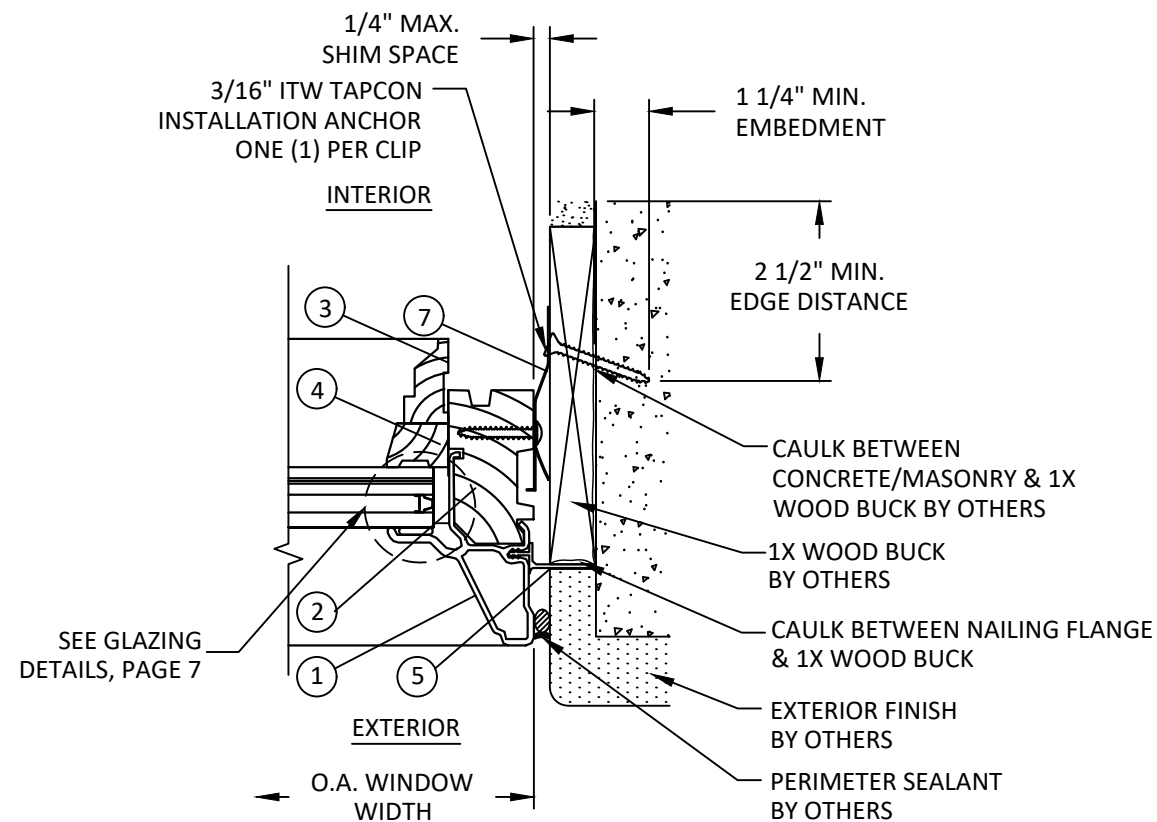
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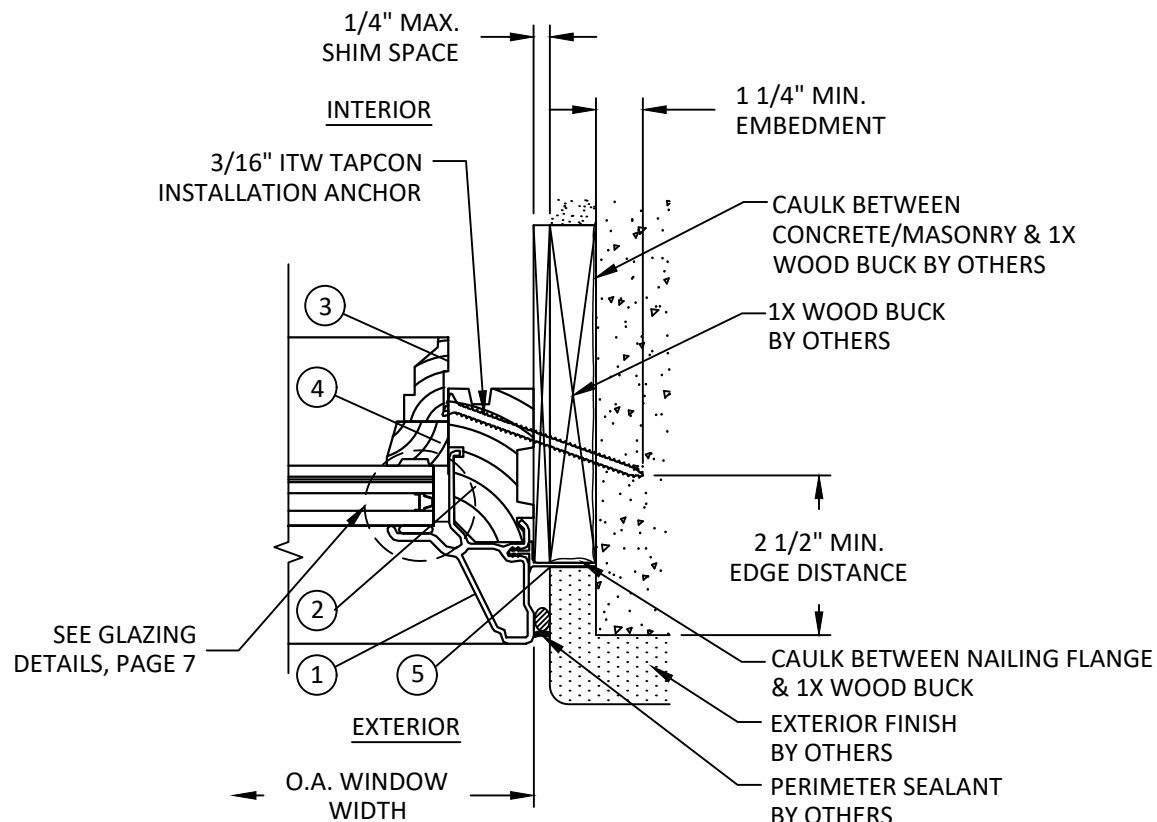
G
6 **HORIZONTAL SECTION**
JAMB - METAL FRAME
INSTALLATION CLIP



E
6 **HORIZONTAL SECTION**
JAMB - 2X WOOD FRAME
FASTENER THROUGH FRAME



H
6 **HORIZONTAL SECTION**
JAMB - CONCRETE/MASONRY
INSTALLATION CLIP



F
6 **HORIZONTAL SECTION**
JAMB - CONCRETE/MASONRY
FASTENER THROUGH FRAME



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

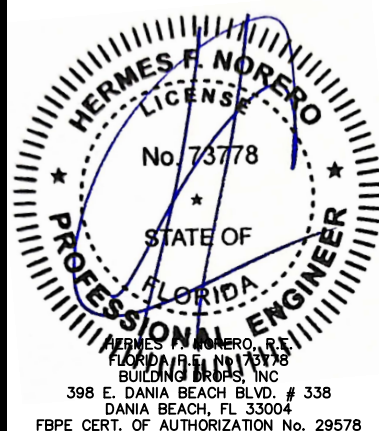
TITLE: 400 SERIES SPECIALTY WINDOW -
FLEXIFRAME, ARCH FLEXIFRAME
AND SPRINGLINE
(NON-HVHZ)/(IMPACT)
HORIZONTAL SECTIONS

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
5TH FBC CODE CHANGE	SM	4.14.15
6TH FBC CODE CHANGE	CL	8.15.17
7TH FBC CODE CHANGE	SR	3.20.20
8TH FBC CODE CHANGE	SH	5.25.23

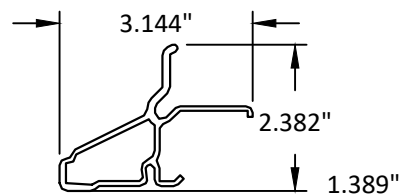
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC
AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC
SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE
FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED
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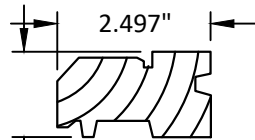
FL #:	FL15905
DATE:	08.15.17
DWG. BY:	CL
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD138
SHEET:	6

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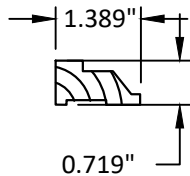
1 EXTERIOR FRAME
FIBERGLASS/ALUMINUM



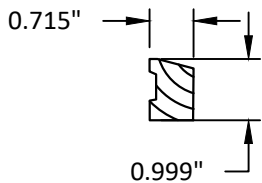
2 FRAME
WOOD/LVL



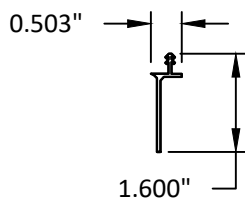
3 TRIM STOP
WOOD



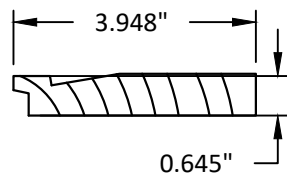
4 GLASS STOP
WOOD



5 FLANGE
PVC



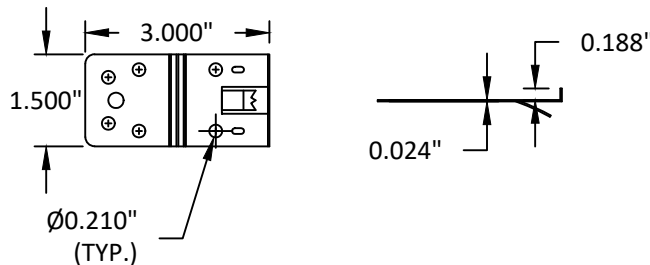
6 EXTENSION JAMB
WOOD



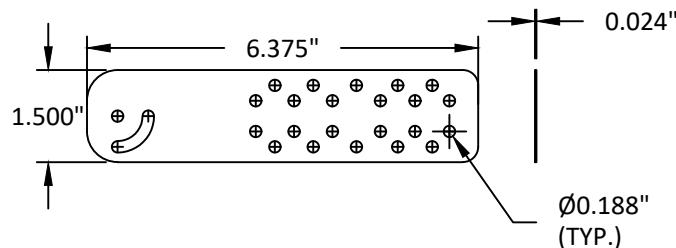
BILL OF MATERIALS			
NO.	DESCRIPTION	MATERIAL	MANUFACTURERS
1	EXTERIOR FRAME	FIBERGLASS/ALUMINUM	ANDERSEN CORPORATION
2	FRAME	WOOD	ANDERSEN CORPORATION
3	TRIM STOP	WOOD	ANDERSEN CORPORATION
4	GLASS STOP	WOOD	ANDERSEN CORPORATION
5	FLANGE	PVC	ANDERSEN CORPORATION
6	EXTENSION JAMB	WOOD	ANDERSEN CORPORATION
7	INSTALLATION CLIP	STAINLESS STEEL	ANDERSEN CORPORATION

NOTE: ALL WOOD TO BE PONDEROSA PINE OR EQUAL

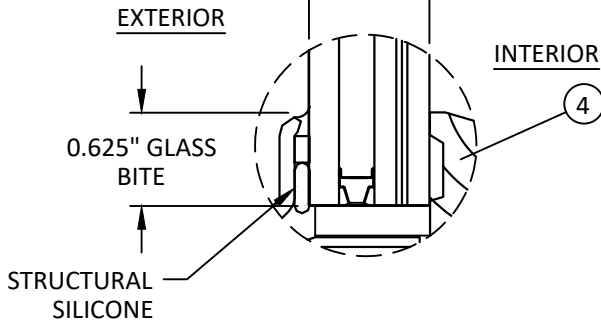
7A INSTALLATION CLIPS
304 SS



7B INSTALLATION CLIPS
304 SS

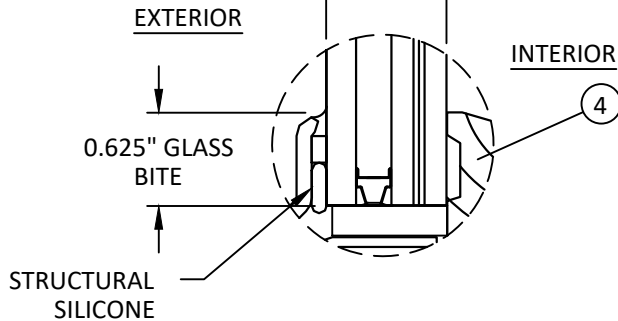


1.20" O.A. IG GLASS
CONSISTING OF:
0.224" ANNEALED GLASS
AIR SPACE: METAL SPACER
0.185" ANNEALED GLASS
0.090" SENTRYGLAS INTERLAYER BY DUPONT
0.185" ANNEALED GLASS



GLAZING DETAIL 1

1.20" O.A. IG GLASS
CONSISTING OF:
0.224" TEMPERED GLASS
AIR SPACE: METAL SPACER
0.185" ANNEALED GLASS
0.090" SENTRYGLAS INTERLAYER BY DUPONT
0.185" ANNEALED GLASS



GLAZING DETAIL 2

- NOTE:
- ALL GLAZING MEETS ASTM E1300 REQUIREMENTS AND SAFETY GLAZING REQUIREMENTS AS PER CH 24 OF THE FBC.
 - SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN CHAPTER 24.
 - SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER CHAPTER 24.
 - D.L.O. MAY NOT EXCEED MAX DIMENSIONS SHOWN IN ELEVATIONS.



ANDERSEN
WINDOWS & DOORS

100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
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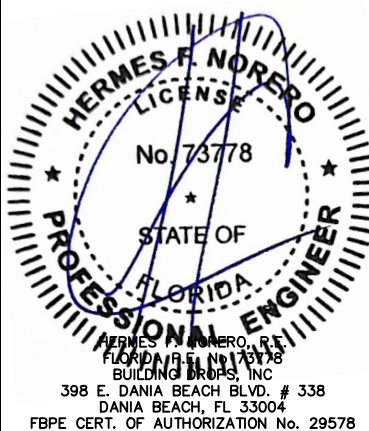
TITLE: 400 SERIES SPECIALTY WINDOW -
FLEXIFRAME, ARCH FLEXIFRAME
AND SPRINGLINE
(NON-HVHZ)/(IMPACT)
BOM, COMPONENTS,
& GLAZING DETAILS

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SHEET:	7