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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 (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. **THROUGH FRAME:** FOR INSTALLATION INTO 2X WOOD FRAMING USE **#12 WOOD SCREWS** OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
6. **INSTALLATION CLIP:** FOR INSTALLATION INTO 2X WOOD FRAMING USE **#8 WOOD SCREWS** OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
7. **THROUGH FRAME OR INSTALLATION CLIP:** FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE **3/16 INCH DIAMETER ITW TAPCONS** OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
8. **THROUGH FRAME:** FOR INSTALLATION INTO METAL STUD OR APPROVED MULLION USE **#12-14 SAE GR. 5 SELF TAPPING SCREWS** OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL FRAME SUBSTRATE.
9. **INSTALLATION CLIP:** FOR INSTALLATION INTO METAL STUD OR APPROVED MULLION USE **#10-16 SAE GR. 5 SELF TAPPING SCREWS** OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL FRAME SUBSTRATE.
10. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
11. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
12. 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.
13. 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.
14. 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 59.8 MIL (0.0598" or 16 GAUGE). MIN. 1/2" EDGE DISTANCE.

F. ALUMINUM - MINIMUM ALLOY 6063-T5. MINIMUM WALL THICKNESS OF 1/8" (0.125"). MIN. 1/2" EDGE DISTANCE

GENERAL NOTES:

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

AAMA/WDMA/CSA 101/I.S.2/A440-17

ASTM E 1886-13a

ASTM E 1996-17

TAS 201-94

TAS 202-94

TAS 203-94
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X 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 IN NON-HVHZ AREAS. IN HVHZ AREAS, ONE TIME PRODUCT APPROVAL TO BE OBTAINED FROM MIAMI-DADE RER.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. WINDOW FRAME MATERIAL: PONDEROSA PINE & LVL
7. WINDOW CLADDING MATERIAL: ALUMINUM 6063-T5 & 6063-T4
8. IN ACCORDANCE WITH THE FBC, DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED AS PER CH 20.
9. IN ACCORDANCE WITH THE FBC, WOOD COMPONENTS SHALL HAVE BEEN PRESERVATIVE TREATED OR SHALL BE OF A DURABLE SPECIES AS PER CH 23.
10. GLASS MEET THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 4 FOR GLAZING DETAILS.

ANDERSEN CORPORATION

400 SERIES DIRECT-SET FIXED WINDOWS

WITH STORMWATCH PROTECTION

(HVHZ) (IMPACT)

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	INSTALLATION & GENERAL NOTES
2	ELEVATIONS, ANCHOR LAYOUTS, & QUALIFIED CONFIGS.
3	VERTICAL & HORIZONTAL SECTIONS
4	GLAZING DETAILS
5	COMPONENTS & BILL OF MATERIALS

DESIGN PRESSURE RATING				
MIN. REQUIRED GLASS TYPE	OVERALL SIZE		DESIGN PRESSURE	MISSILE IMPACT RATING
	WIDTH	HEIGHT		
TYPE 1 OR 2	60"	120"	+70/-80 PSF	LARGE & SMALL MISSILE IMPACT
TYPE 3 OR 4	54"	96"	+/- 70 PSF	
TYPE 5 OR 6	36"	60"	+/- 70 PSF	

DESIGN PRESSURE RATING - ADDITIONAL SIZES				
MIN. REQUIRED GLASS TYPE	OVERALL SIZE		DESIGN PRESSURE	MISSILE IMPACT RATING
	WIDTH	HEIGHT		
TYPE 1 OR 2	48"	144"	+70/-80 PSF	LARGE & SMALL MISSILE IMPACT
TYPE 1 OR 2	54"	132"	+70/-80 PSF	
TYPE 1 OR 2	66"	108"	+63.7/-72.7 PSF	

NOTE:

1. UNIT HEIGHT & WIDTH ARE INTERCHANGEABLE. SEE SHEET 2 FOR DETAILS.
2. SEE SHEET 4 FOR FURTHER SIZE LIMITATIONS BASED ON GLAZING TYPE.



ANDERSEN
WINDOWS & DOORS

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BAYPORT, MN 55003-1096

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

TITLE:
400 SERIES DIRECT-SET FIXED WINDOWS
WITH STORMWATCH PROTECTION
(HVHZ) (IMPACT)

GENERAL & INSTALLATION NOTES

PREPARED BY:

BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338

DANIA BEACH, FL 33004

PH: (954)399-8478

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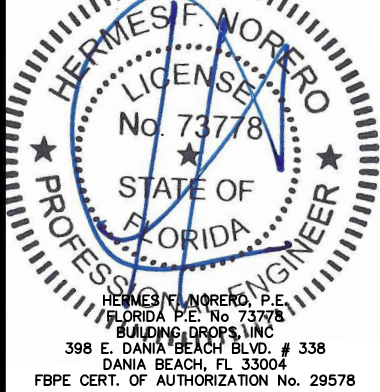
WEB: www.buildingdrops.com



REMARKS	BY	DATE
7TH FBC CODE CHANGE	SR	3.26.20
FORMAT REVISION	MS	8.3.21

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Digitally signed by Hermes F Norero
Reason: I am approving this document
Date: 2021.08.15 17:06:08 -04'00'



FL #:

FL24174

DATE: 08.15.17

DWG. BY: HR	CHK. BY: HFN
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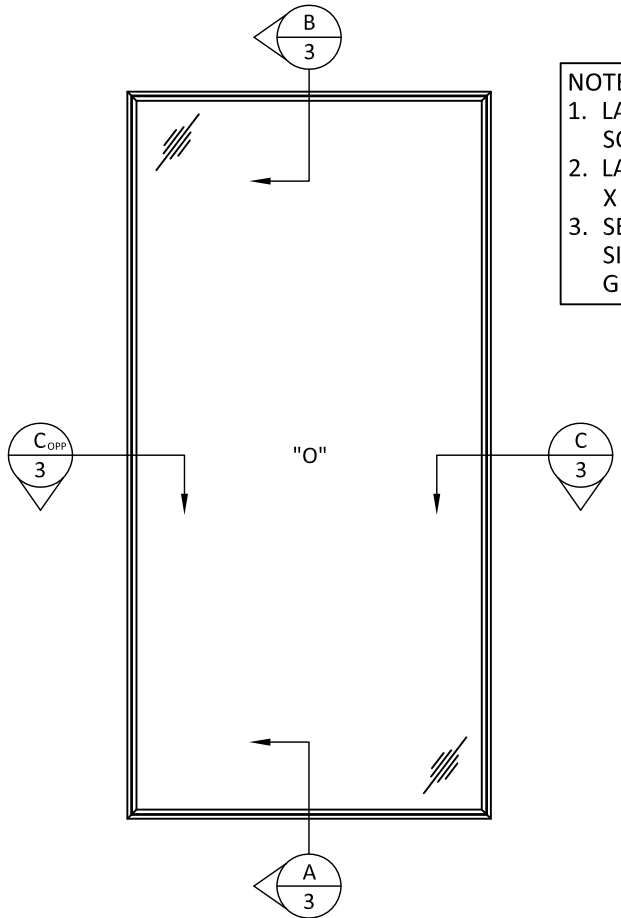
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DWG. #: AWD148

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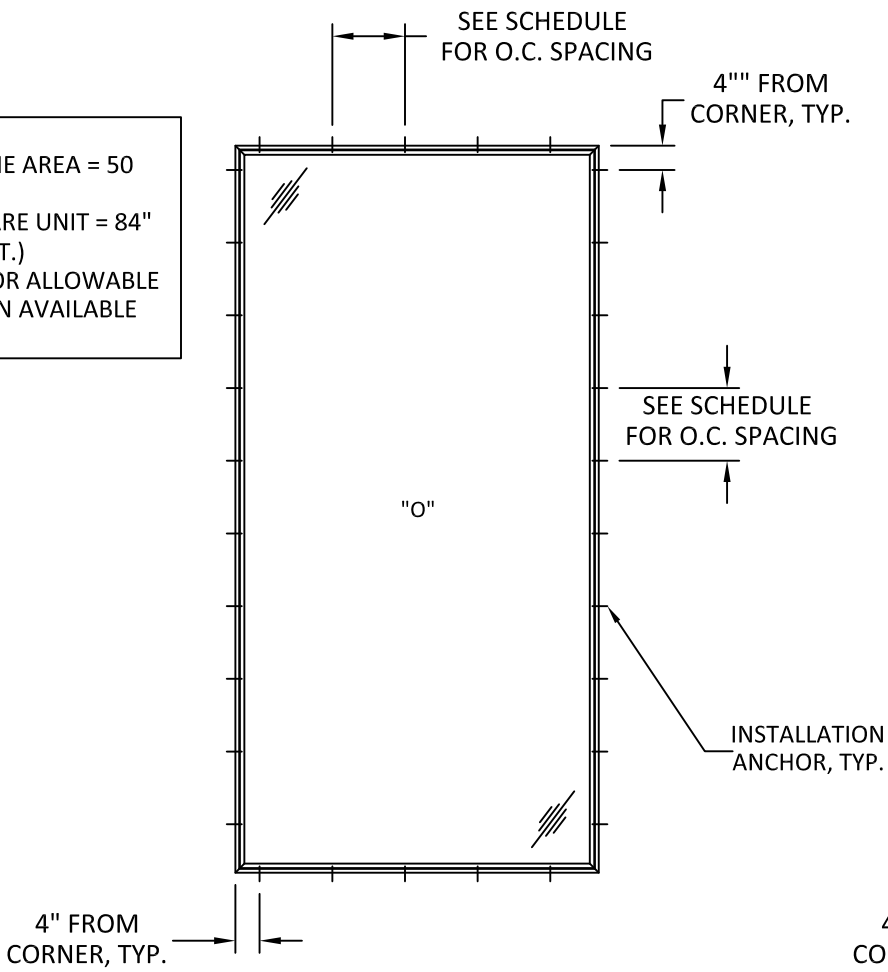
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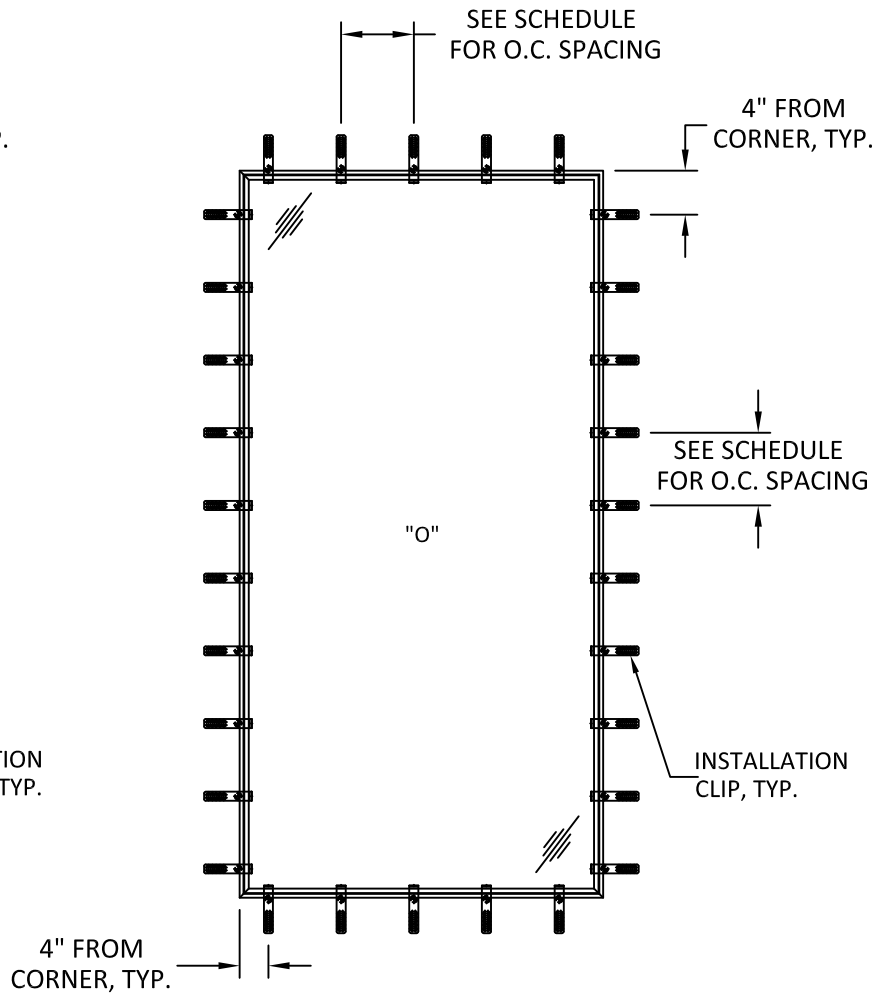


TYPICAL ELEVATION

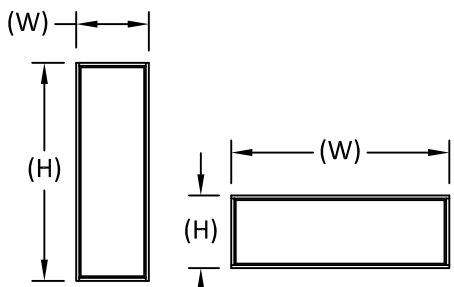
NOTE:
1. LARGEST FRAME AREA = 50 SQ. FT.
2. LARGEST SQUARE UNIT = 84" X 84" (49 SQ. FT.)
3. SEE SHEET 4 FOR ALLOWABLE SIZES BASED ON AVAILABLE GLASS TYPE.



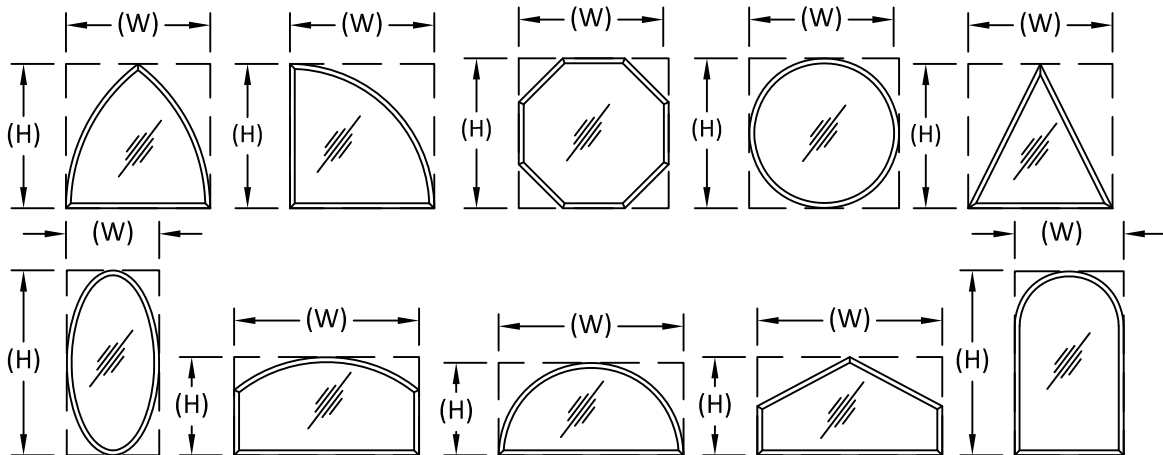
ANCHOR LAYOUT
THROUGH FRAME INSTALLATION



ANCHOR LAYOUT
INSTALLATION CLIP



NOTE:
WINDOW WIDTH (W) AND HEIGHT (H) ARE INTERCHANGEABLE FOR ALL SIZES SHOWN HEREIN NOT TO EXCEED MAXIMUM TESTED SQUARE FOOT AREA.



UNITS OF ANY SHAPE ARE ALLOWED PROVIDED CONSTRUCTION, GLAZING, & ANCHORAGE ARE PER DETAILS SHOWN HEREIN. ALL SHAPED UNITS SHALL FIT WITHIN THE RECTANGULAR AREAS AS SHOWN AND VERIFIED BY OBTAINING THE ALLOWABLE PERFORMANCE RATING FROM TABLE ON SHEET 4.

ANCHOR SPACING SCHEDULE					
UNIT WIDTH	UNIT HEIGHT	THROUGH FRAME		INSTALLATION CLIPS	
		CORNER DIST.	ON CENTER DIST.	CORNER DIST.	ON CENTER DIST.
66"	108"	4"	6"	4"	6"
60"	120"	4"	6"	4"	6"
54"	132"	4"	6"	4"	6"
54"	96"	4"	6"	4"	6"
48"	144"	4"	6"	4"	6"
36"	60"	4"	12"	4"	12"

- NOTES:
1. UNIT HEIGHT AND WIDTH ARE INTERCHANGEABLE.
 2. FOR UNITS WITH SIZES NOT SPECIFICALLY LISTED ABOVE USE THE NEXT LARGEST LISTED SIZE TO DETERMINE ANCHOR SPACING BY TYPE.
 3. ANCHOR SPACING LISTED ABOVE IS APPLICABLE TO ALL ANCHOR TYPES LISTED IN NOTES 5-9, SHEET 1.



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TITLE:
400 SERIES DIRECT-SET FIXED WINDOWS
WITH STORMWATCH PROTECTION
(HVHZ) (IMPACT)

ELEVATIONS, ANCHOR LAYOUTS, &
QUALIFIED CONFIGURATIONS

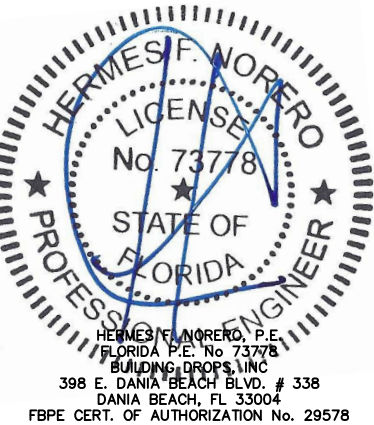
PREPARED BY:
BUILDING DROPS, INC.

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REMARKS	BY	DATE
7TH FBC CODE CHANGE	SR	3.26.20
FORMAT REVISION	MS	8.3.21

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HR

CHK. BY:
HFN

SCALE: **NTS**

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SHEET:

2

OF 5



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

TITLE: 400 SERIES DIRECT-SET FIXED WINDOWS
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VERTICAL & HORIZONTAL SECTIONS

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

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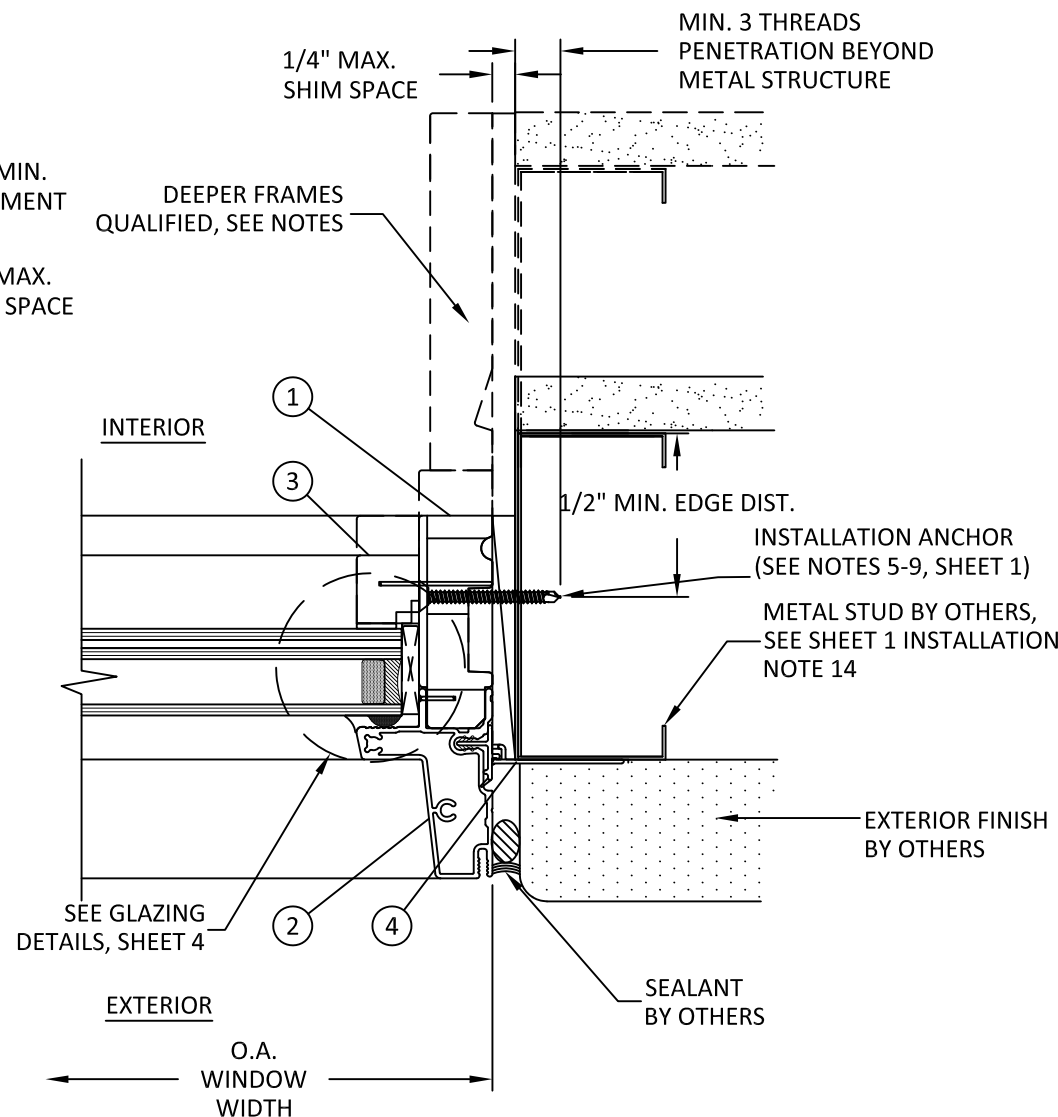
SCALE: **NTS**

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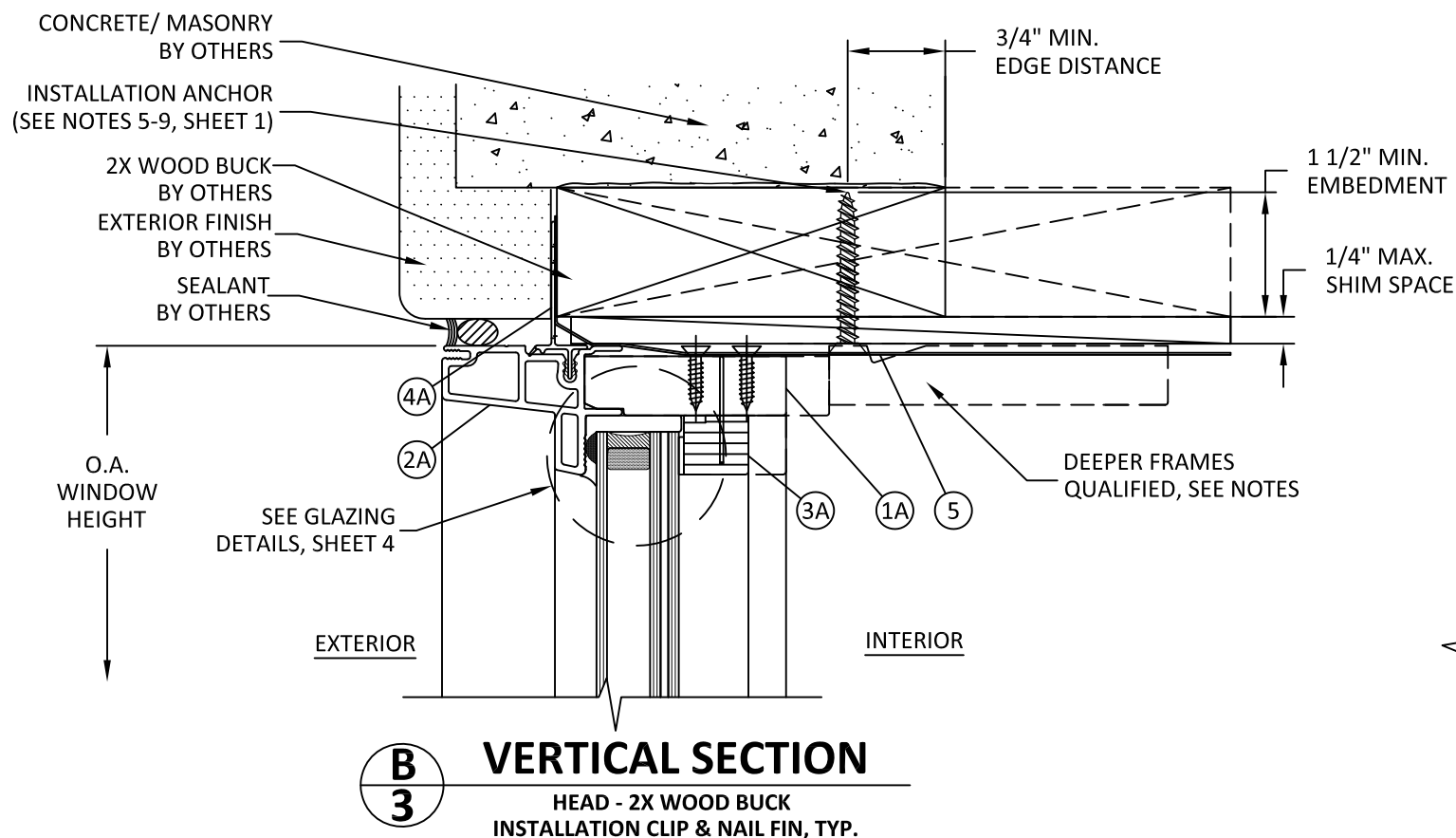
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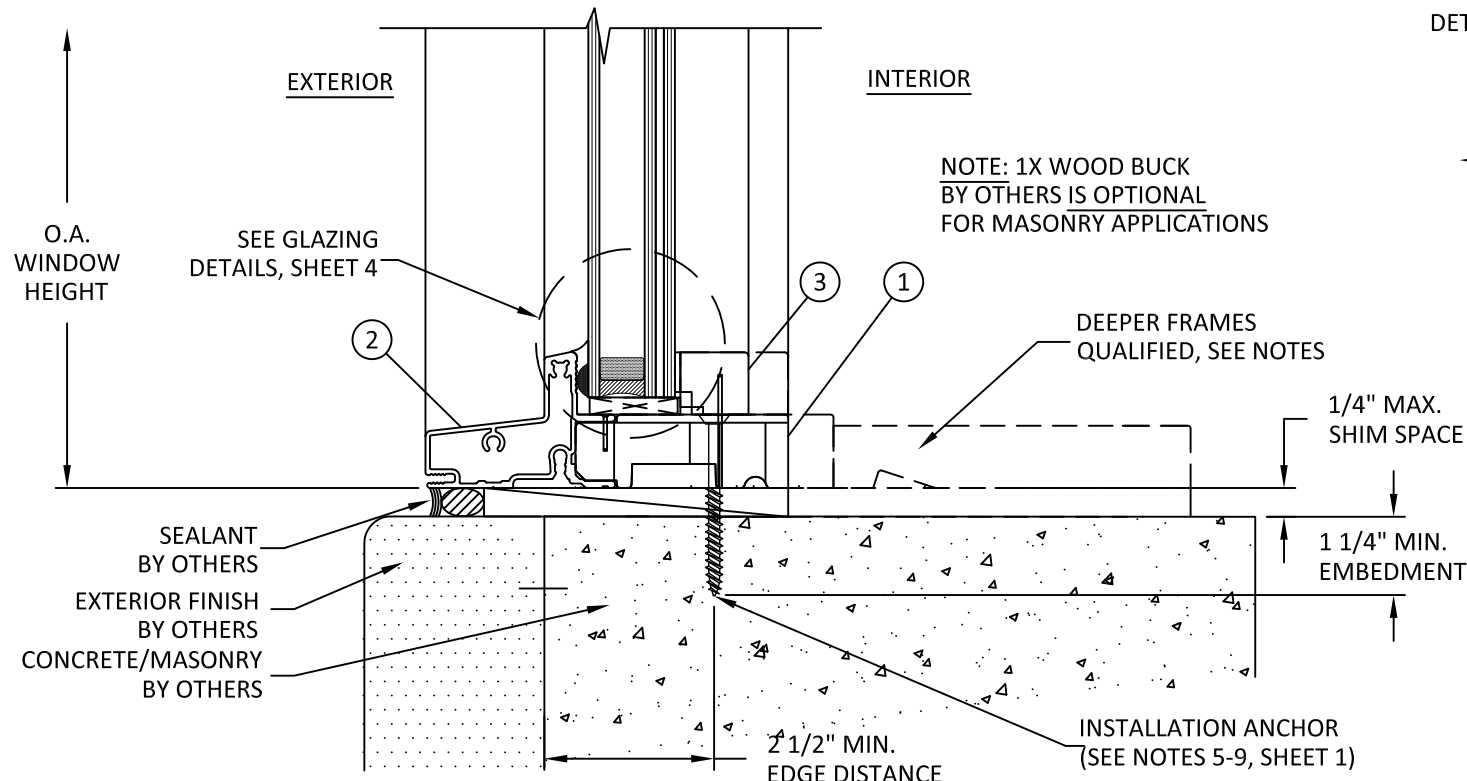
C
3 **HORIZONTAL SECTION**
JAMB - METAL STUD
THROUGH FRAME INSTALLATION, TYP.

NOTE:

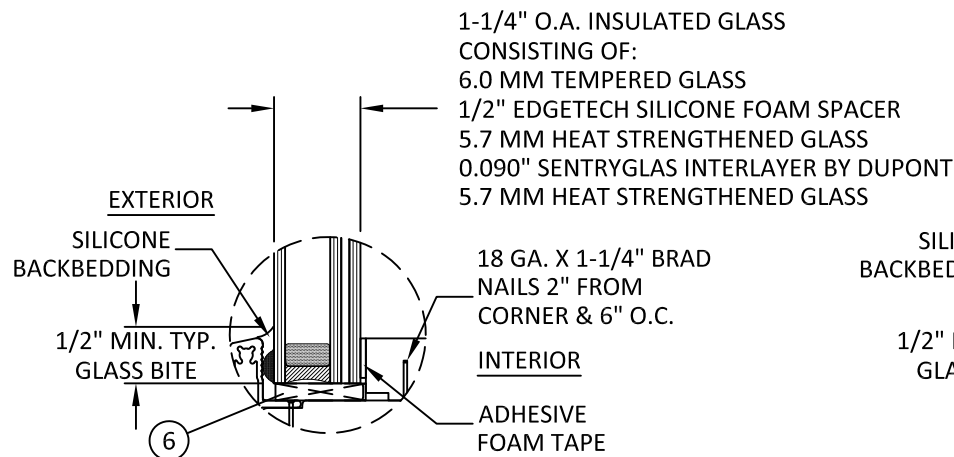
1. DEEPER FRAME TYPES ARE QUALIFIED BY MINIMUM DEPTH TESTED (HATCHED PROFILES).
2. WALL CONDITIONS MUST ACCOMMODATE FRAME DEPTH AND PROVIDE SUPPORT ALONG ENTIRE FRAME.
3. INSTALLATION METHODS SHOWN ARE ALLOWED FOR ANY WALL SUBSTRATE USING INSTALLATION ANCHORS LISTED ON SHEET 1, NOTES 5-9.



B
3 **VERTICAL SECTION**
HEAD - 2X WOOD BUCK
INSTALLATION CLIP & NAIL FIN, TYP.

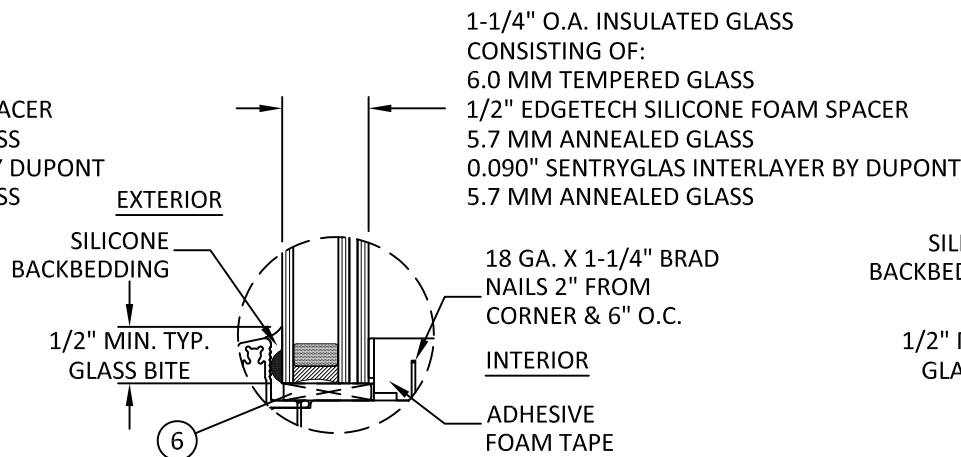


A
3 **VERTICAL SECTION**
SILL - CONCRETE/MASONRY
THROUGH FRAME INSTALLATION, TYP.



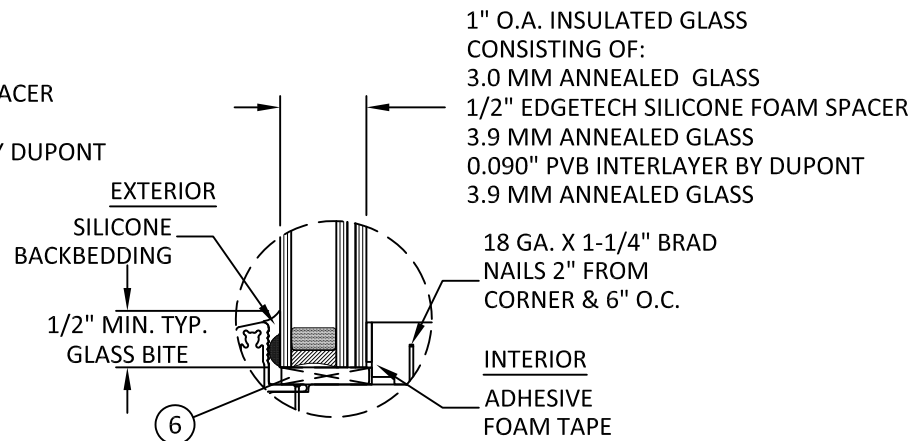
GLAZING DETAIL 1

FOR USE IN UNITS UP TO 50 FT.²



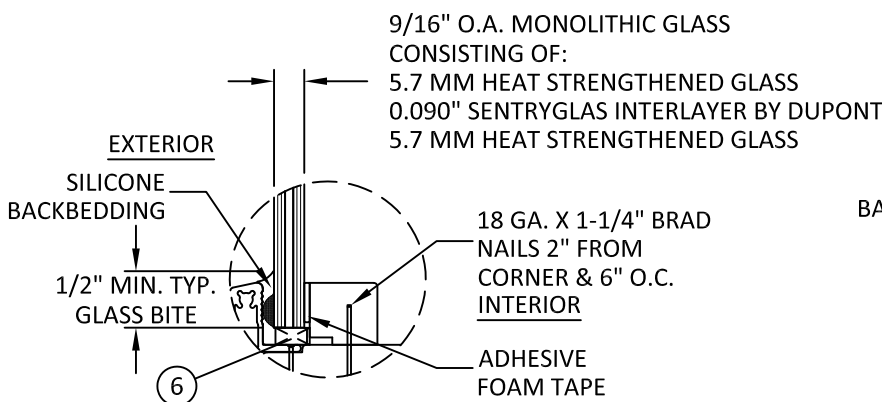
GLAZING DETAIL 3

FOR USE IN UNITS UP TO 36 FT.²



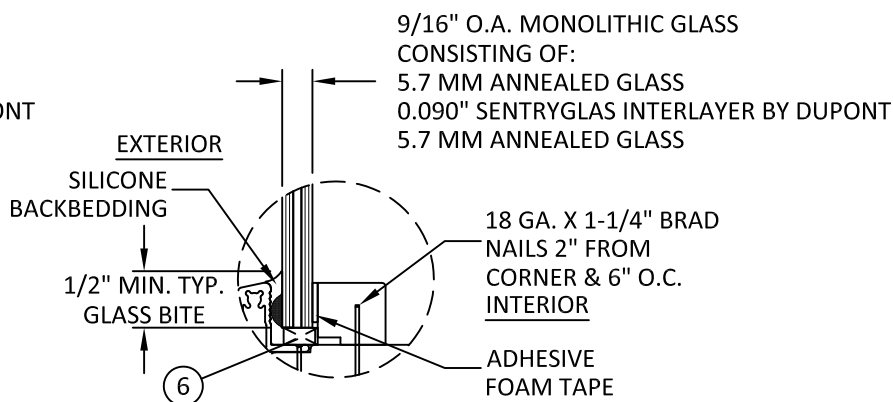
GLAZING DETAIL 5

FOR USE IN UNITS UP TO 15 FT.²



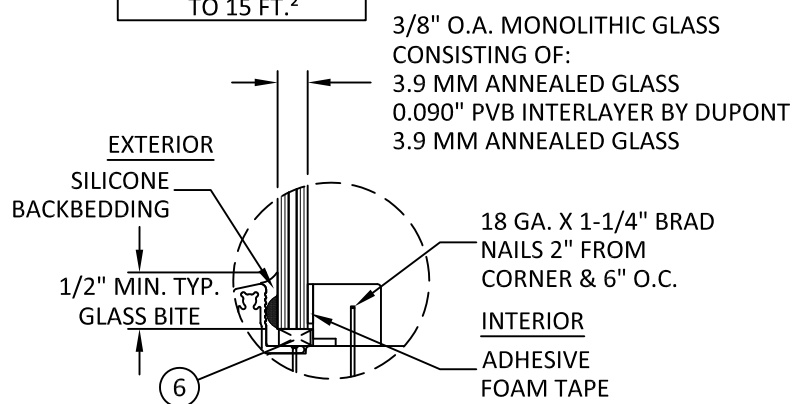
GLAZING DETAIL 2

FOR USE IN UNITS UP TO 50 FT.²



GLAZING DETAIL 4

FOR USE IN UNITS UP TO 36 FT.²



GLAZING DETAIL 6

FOR USE IN UNITS UP TO 15 FT.²

FOR INSTALLATION ABOVE 30 FT. ABOVE GRADE IN AREAS REQUIRING IMPACT RESISTANCE, ALL UNITS MUST BE SAFETY GLAZED OR COVERED BY AN IMPACT PROTECTIVE SYSTEM IN ACCORDANCE WITH THE FBC.

NOTE:

1. GLASS TYPES 1 & 2 LIMITED TO DESIGN PRESSURE OF +70/-80 PSF. GLASS TYPES 1 & 2 AVAILABLE FOR ALL SIZES & MUST BE CHOSEN BY CUSTOMER FOR SIZES <36 FT.².
2. GLASS TYPES 3-6 LIMITED TO DESIGN PRESSURE OF +70/-70 PSF.
3. GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

GLAZING NOTES:

1. GLASS TYPE COMPLIES WITH ASTM E1300 REQUIREMENTS.
2. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
3. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
4. GLASS TYPE SHALL COMPLY WITH APPLICABLE GLAZING REQUIREMENTS PER CHAPTER 24 OF THE FBC

ALLOWABLE GLAZING TYPES BASED ON UNIT AREA (SQ. FT.)																								
		FRAME WIDTH (INCHES)																						
FRAME HEIGHT (INCHES)		12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132	138	144
	12	GLASS TYPES 5 & 6																						
	18																							
	24																							
	30																							
	36																							
	42	GLASS TYPES 3 & 4										GLASS TYPES 1 & 2												
	48																							
	54																							
	60																							
	66																							
	72	15	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
	78	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
	84	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
	90	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
	96	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
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	114	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
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	144	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15



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GLAZING DETAILS

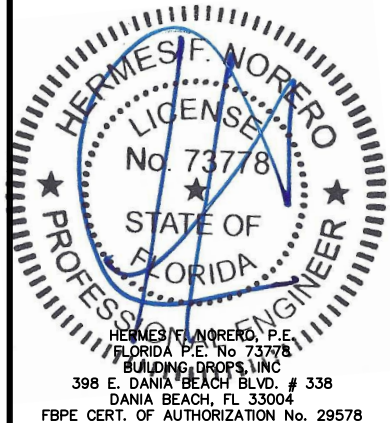
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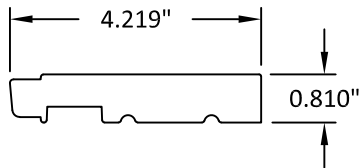
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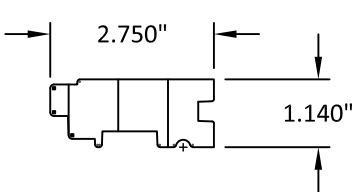
OF 5

BILL OF MATERIALS				
ITEM NO.	PART NO.	DESCRIPTION	MATERIAL	MANUFACTURER/NOTES
1	-	2-11/32" FRAME (LINEAL)	PONDEROSA PINE	ANDERSEN
1A	-	2-11/32" FRAME (LINEAL)	LVL	ANDERSEN
2	-	FRAME CLADDING (LINEAL)	6063-T5	ANDERSEN
2A	-	FRAME CLADDING (CURVED)	6063-T4	ANDERSEN
3	-	GLAZING STOP (LINEAL)	PONDEROSA PINE	ANDERSEN
3A	-	GLAZING STOP (CURVED)	LVL	ANDERSEN
4	-	NAILING FLANGE (LINEAL)	PVC	ANDERSEN
4A	-	FLEXIBLE NAILING FLANGE (CURVED)	PVC	ANDERSEN
5	-	INSTALLATION CLIP	304 SS	ANDERSEN
6	-	SETTING BLOCK (DUROMETER 70)	PVC	ANDERSEN

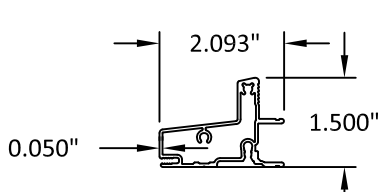
1 2-11/32" FRAME (LINEAL)
PONDEROSA PINE



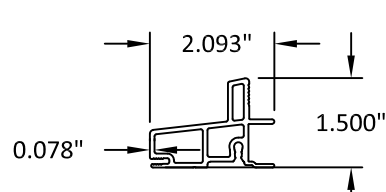
1A 2-11/32" FRAME (LINEAL)
LVL



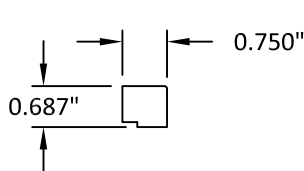
2 FRAME CLADDING (LINEAL)
ALUMINUM 6063-T5



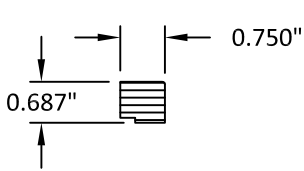
2A FRAME CLADDING (CURVED)
ALUMINUM 6063-T4



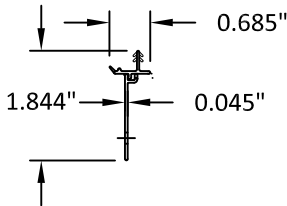
3 GLAZING STOP (LINEAL)
PONDEROSA PINE



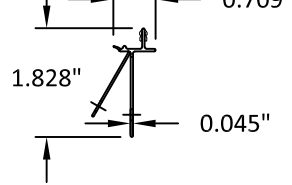
3A GLAZING STOP (CURVED)
LVL



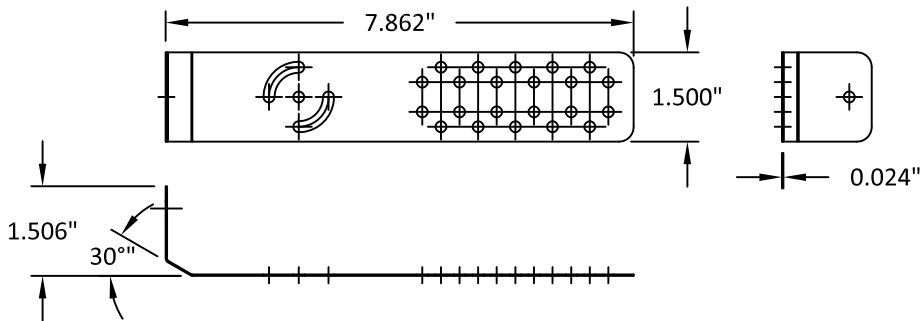
4 NAILING FLANGE (LINEAL)
PVC



4A FLEXIBLE NAILING FLANGE (CURVED)
PVC



5 INSTALLATION CLIP
304 STAINLESS STEEL



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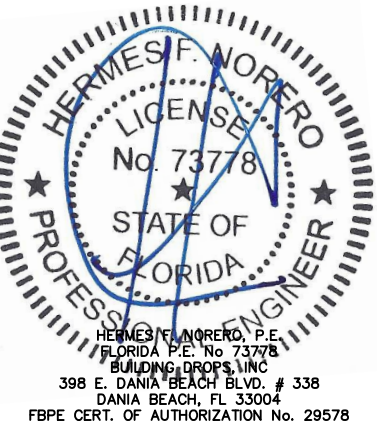
PH: (954) 399-8478
FAX: (954) 744-4738

WEB: www.buildingdrops.com



REMARKS	BY	DATE
7TH FBC CODE CHANGE	SR	3.26.20
FORMAT REVISION	MS	8.3.21

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 #:

FL24174

DATE: 08.15.17

DWG. BY:
HR

CHK. BY:
HFN

SCALE: NTS

DWG. #: AWD148

SHEET:

5

OF 5