

s:\projects\andersen windows\fbc-21-0751 - fbc submittal - fl241741 (1,2,3,4)\dwgs\24174-2\awd145.dwg

8/6/2021 10:35 AM

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- 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.
- FOR INSTALLATION THROUGH THE FRAME, THE NAILING FLANGE CAN BE USED BUT DOES NOT REQUIRE AN ANCHOR THROUGH THE NAILING FLANGE.
- NAILING FLANGE/INSTALLATION CLIP: FOR INSTALLATION THROUGH 2X WOOD BUCK WOOD BUCK USE ONE (1) #8 WOOD SCREW OR 11 GAUGE ROOFING NAIL OR 10d COMMON NAIL THROUGH NAILING FLANGE AND ONE (1) #10 THROUGH INSTALLATION CLIP OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- NAILING FLANGE/INSTALLATION CLIP: FOR INSTALLATION THROUGH METAL STRUCTURE USE ONE (1) #8 SELF-TAPPING SCREW THROUGH NAILING FLANGE AND ONE (1) #10 SELF-TAPPING SCREW THROUGH THE INSTALLATION CLIP WITH 3 THREADS MINIMUM PENETRATION BEYOND METAL STRUCTURE FRAME SUBSTRATE.
- INSTALLATION CLIP: FOR INSTALLATION 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. WHEN INSTALLATION CLIP IS THE ONLY ATTACHMENT METHOD USED THE CLIP MUST BE LAID FLAT AGAINST THE OPENING AND MAY NOT BE BENT AROUND OPENING.
- FASTENER THROUGH FRAME: FOR INSTALLATION 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.
- FASTENER THROUGH FRAME: FOR INSTALLATION THROUGH 2X BUCK USE ONE (1) #10 WOOD SCREW OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- FASTENER THROUGH FRAME: FOR INSTALLATION THROUGH METAL STRUCTURE USE ONE (1) #10 SELF-TAPPING SCREW OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND METAL STRUCTURE FRAME SUBSTRATE.
- 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.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - 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.
 - HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
 - STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 33 MILS (20 GAUGE).
 - ALUMINUM - ALUMINUM - 1/8" MINIMUM THICKNESS (6063-T5).

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), CURRENT INTERNATIONAL BUILDING CODE AND CURRENT INTERNATIONAL RESIDENTIAL CODE , EXCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/ I.S.2/A440-17
- 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.
- 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.
- 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.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- DEEPER FRAME TYPES ARE QUALIFIED BY TESTING OF MINIMUM FRAME TYPE & DEPTH. SEE SHEET 12 FOR ALTERNATE FRAME DEPTHS.
- SURROUNDING SUBSTRATE & SHIM DEPTH SHALL BE OF SUFFICIENT LENGTH TO FULLY SUPPORT WINDOW FRAME IN ACCORDANCE WITH THE FBC.
- WINDOW LINEAL MATERIAL: PONDEROSA PINE OR EQUIVALENT WINDOW CURVED MATERIAL: LAMINATED VENEER LUMBER CLADDING MATERIAL: ALUMINUM 6063-T5
- GLASS MEET THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 5 FOR GLAZING DETAILS.
- DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
 - X: OPERABLE PANEL
 - O: FIXED PANEL

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL & INSTALLATION NOTES
2	ELEVATIONS & ANCHOR LAYOUTS
3	SHAPES & ANCHOR SCHEDULE
4	VERTICAL SECTIONS
5	HORIZONTAL SECTIONS & GLAZING DETAILS
6	VERTICAL & HORIZONTAL SECTIONS
7	MULLION SECTIONS & INSTALLATION DETAIL
8	ONE-WAY MULLION DP TABLE (1)
9	TWO-WAY MULLION DP TABLE (1)
10	ONE-WAY MULLION DP TABLE (2)
11	TWO-WAY MULLION DP TABLE (2)
12	BILL OF MATERIALS & COMPONENTS
13	COMPONENTS

DESIGN PRESSURE	MISSILE IMPACT RATING
+50.0 / -50.0 PSF	NON-IMPACT



ANDERSEN
WINDOWS & DOORS

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

TITLE: A/400/200 SERIES DIRECT-SET
FIXED WINDOWS
(NON-HVHZ) (NON-IMPACT)

GENERAL & INSTALLATION NOTES

PREPARED BY:

BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338

DANIA BEACH, FL 33004

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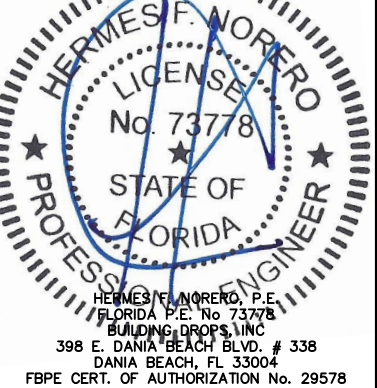
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Digitally signed by Hermes F Norero
Reason: I am approving this document
Date: 2021.08.13 17:07:13 -04'00'



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FL24174

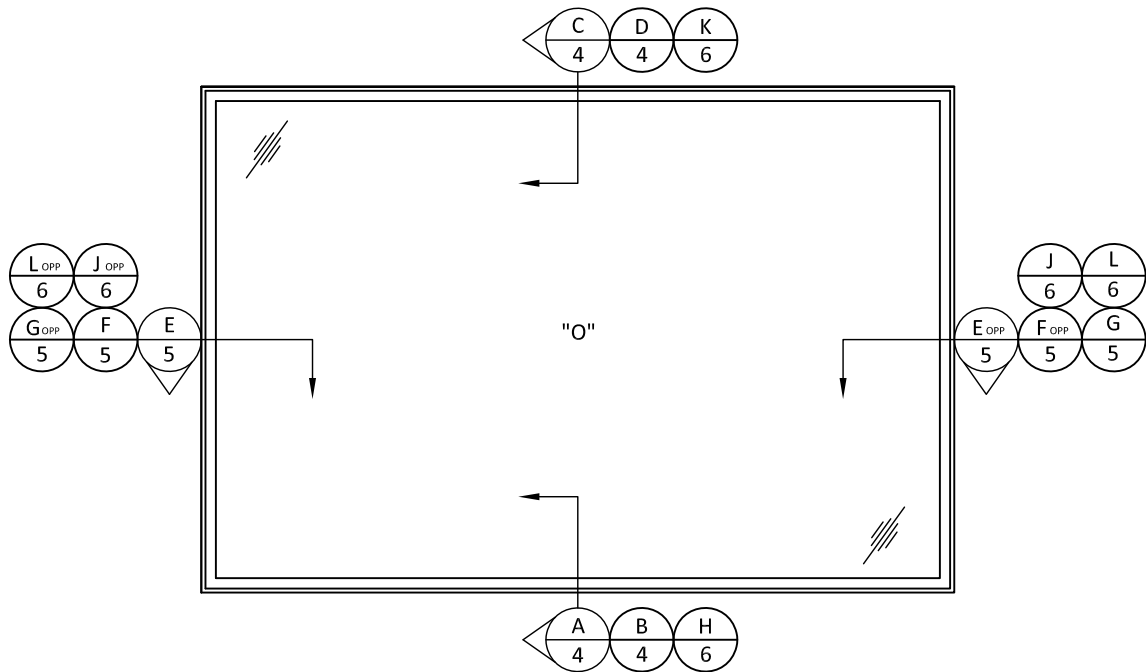
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DWG. BY: HR	CHK. BY: HFN
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DWG. #: **AWD145**

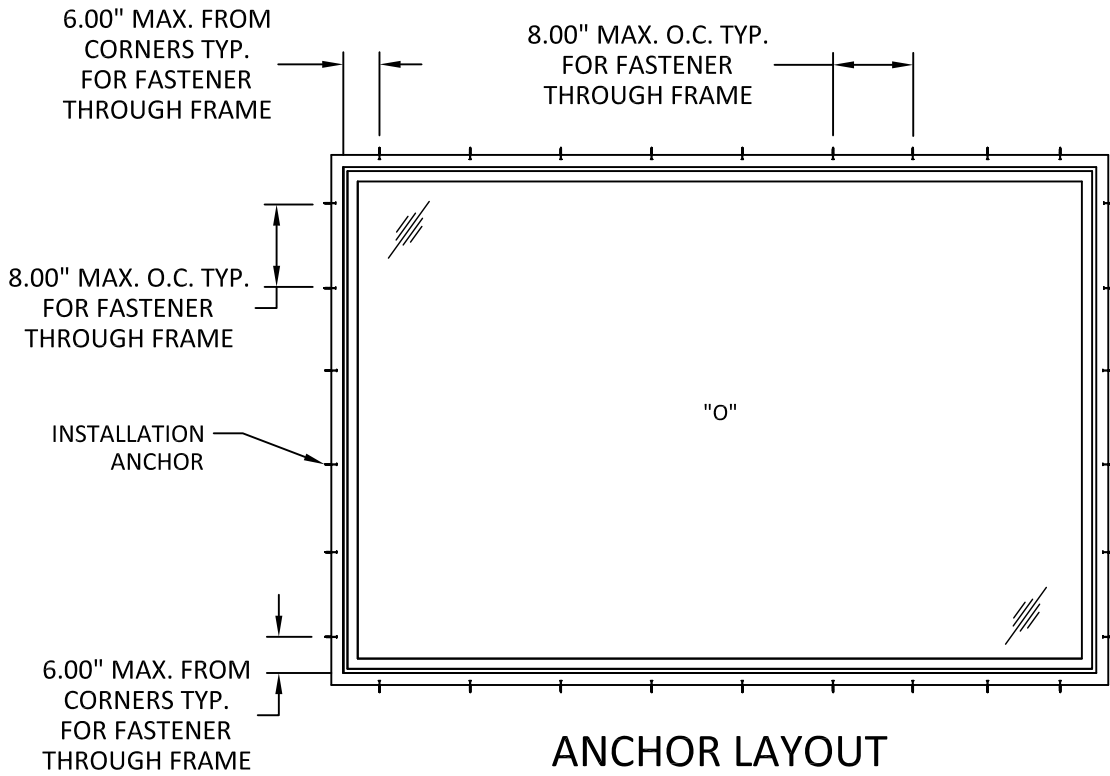
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1
OF 13



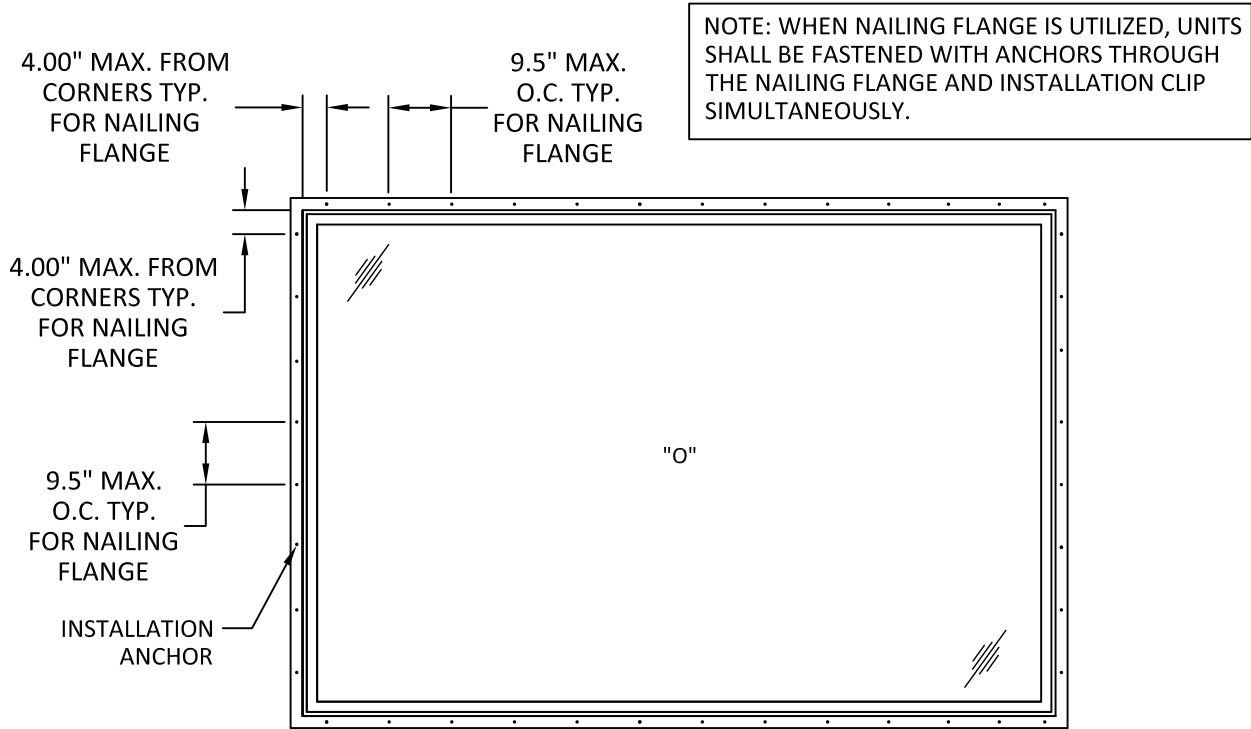
ELEVATION

NOTE:
LONGEST LEG ALLOWED = 144"
MAXIMUM UNIT AREA = 72 SQ. FT.

NOTE:
SEE NOTES ON SHEET 3 FOR MORE ANCHOR
REQUIREMENTS.

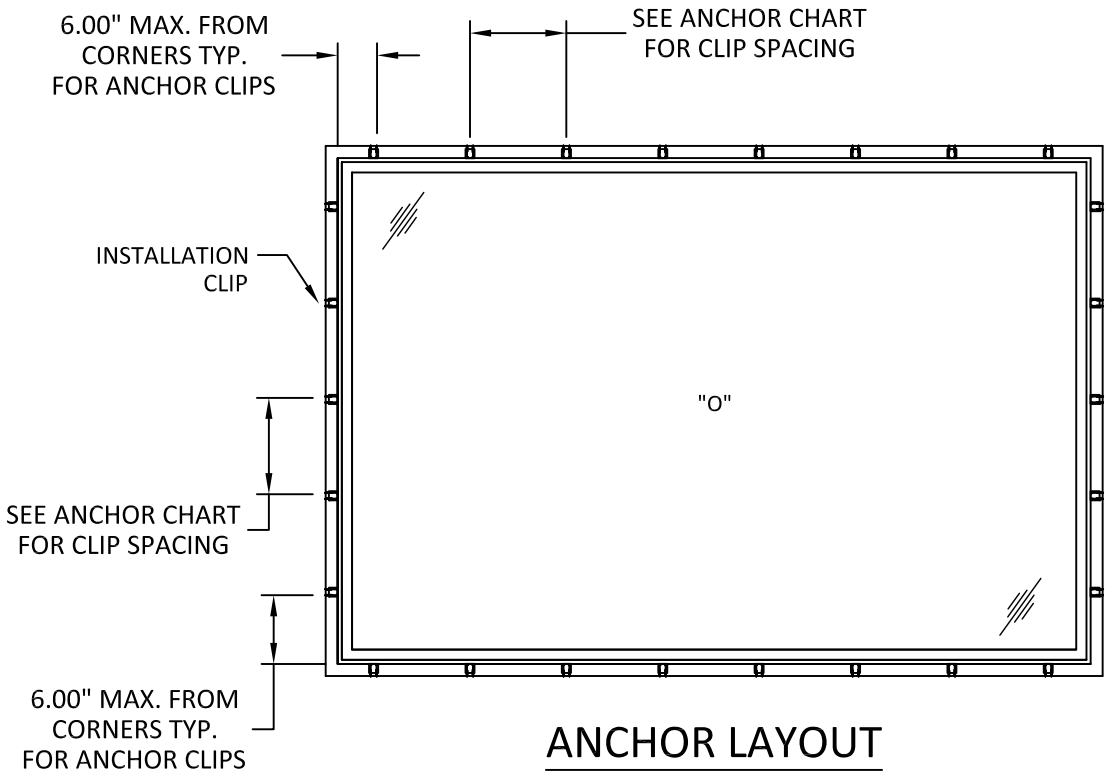


ANCHOR LAYOUT
FASTENER THROUGH FRAME INSTALLATION



ANCHOR LAYOUT
NAILING FLANGE INSTALLATION

NOTE: WHEN NAILING FLANGE IS UTILIZED, UNITS
SHALL BE FASTENED WITH ANCHORS THROUGH
THE NAILING FLANGE AND INSTALLATION CLIP
SIMULTANEOUSLY.



ANCHOR LAYOUT
INSTALLATION CLIP INSTALLATION



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ELEVATIONS & ANCHOR LAYOUTS

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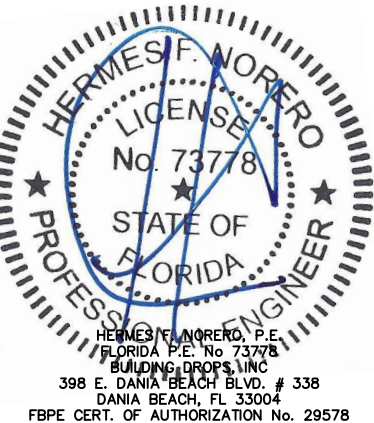
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HR

CHK. BY:
HFN

SCALE: **NTS**

DWG. #: **AWD145**

SHEET:

2

+50 / -50 PSF NAILING FLANGE ANCHOR SCHEDULE				
SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT (in.)	MAX. O.C. SPACING	
			HEAD & SILL	JAMBS
WOOD	#8 WOOD ANCHOR	1.50"	9.5"	9.5"
WOOD	11 GAUGE ROOFING OR 10d COMMON NAIL	1.50"	9.5"	9.5"
METAL	#8 SELF-TAPPING SCREW	3 THREADS OF MIN. ENGAGEMENT	9.5"	9.5"

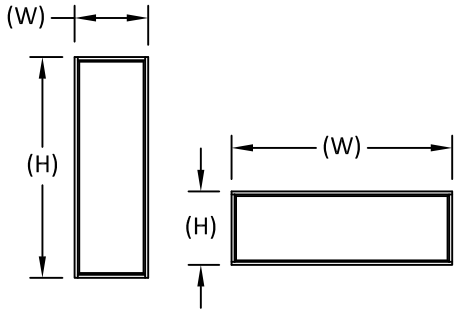
NOTE: WHEN NAILING FLANGE IS UTILIZED, UNITS SHALL BE FASTENED WITH ANCHORS THROUGH THE NAILING FLANGE AND INSTALLATION CLIP SIMULTANEOUSLY.

+50 / -50 PSF INSTALLATION CLIPS ANCHOR SCHEDULE				
SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT (in.)	MAX. O.C. SPACING	
			HEAD & SILL	JAMBS
WOOD	#10 WOOD ANCHOR	1.50"	14"	14"
METAL	#10 SELF-TAPPING SCREW	3 THREADS OF MIN. ENGAGEMENT	18"	18"
MASONRY	3/16" CONCRETE ANCHOR	1.25"	18"	18"

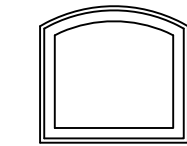
NOTE: WHEN INSTALLATION CLIPS ARE UTILIZED, THE NAILING FLANGE CAN BE USED BUT DOES NOT REQUIRE AN ANCHOR THROUGH THE NAILING FLANGE WHEN THE INSTALLATION CLIP IS LAID FLAT AGAINST THE OPENING (AS SHOWN IN DETAILS A/4, B/4 AND E/5). IF THE INSTALLATION CLIP IS BENT AROUND THE OPENING, ANCHORS MUST BE USED THROUGH THE NAILING FLANGE (AS SHOWN IN DETAILS C/4, D/4, F/5 AND G/5).

+50 / -50 PSF FASTENERS THROUGH FRAME ANCHOR SCHEDULE					
QTY.	SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT (in.)	MAX. O.C. SPACING	
				HEAD & SILL	JAMBS
1	WOOD	#10 WOOD ANCHOR	1.50"	8"	8"
1	METAL	#10 SELF-TAPPING SCREW	3 THREADS OF MIN. ENGAGEMENT	8"	8"
1	MASONRY	3/16" CONCRETE ANCHOR	1.25"	8"	8"

NOTE: FOR INSTALLATION THROUGH THE FRAME, THE NAILING FLANGE CAN BE USED BUT DOES NOT REQUIRE AN ANCHOR THROUGH THE NAILING FLANGE.



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.



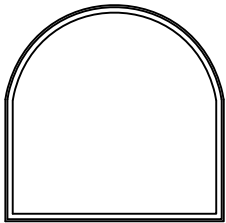
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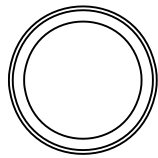
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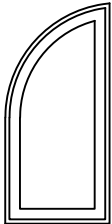
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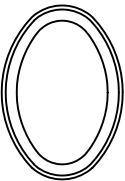
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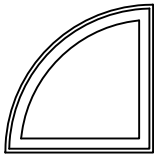
MONUMENTAL
CIRCLE



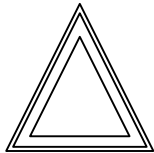
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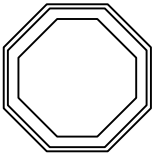
OVAL



MONUMENTAL QUARTER
ROUND



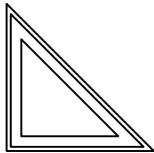
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TRIANGLE



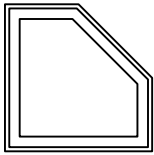
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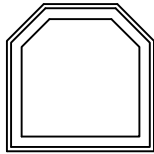
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HEXAGON



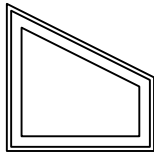
RIGHT
TRIANGLE



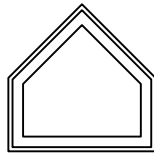
ANGLED
PENTAGON



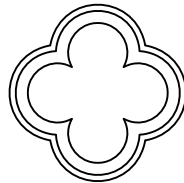
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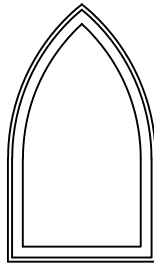
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PEAKED
PENTAGON



QUATREFOIL



GOthic



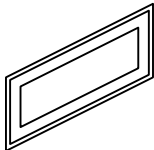
CHORD



DIAMOND



HORIZONTAL
PARALLELOGRAM



VERTICAL
PARALLELOGRAM



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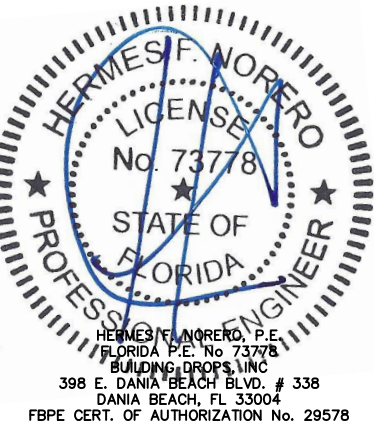
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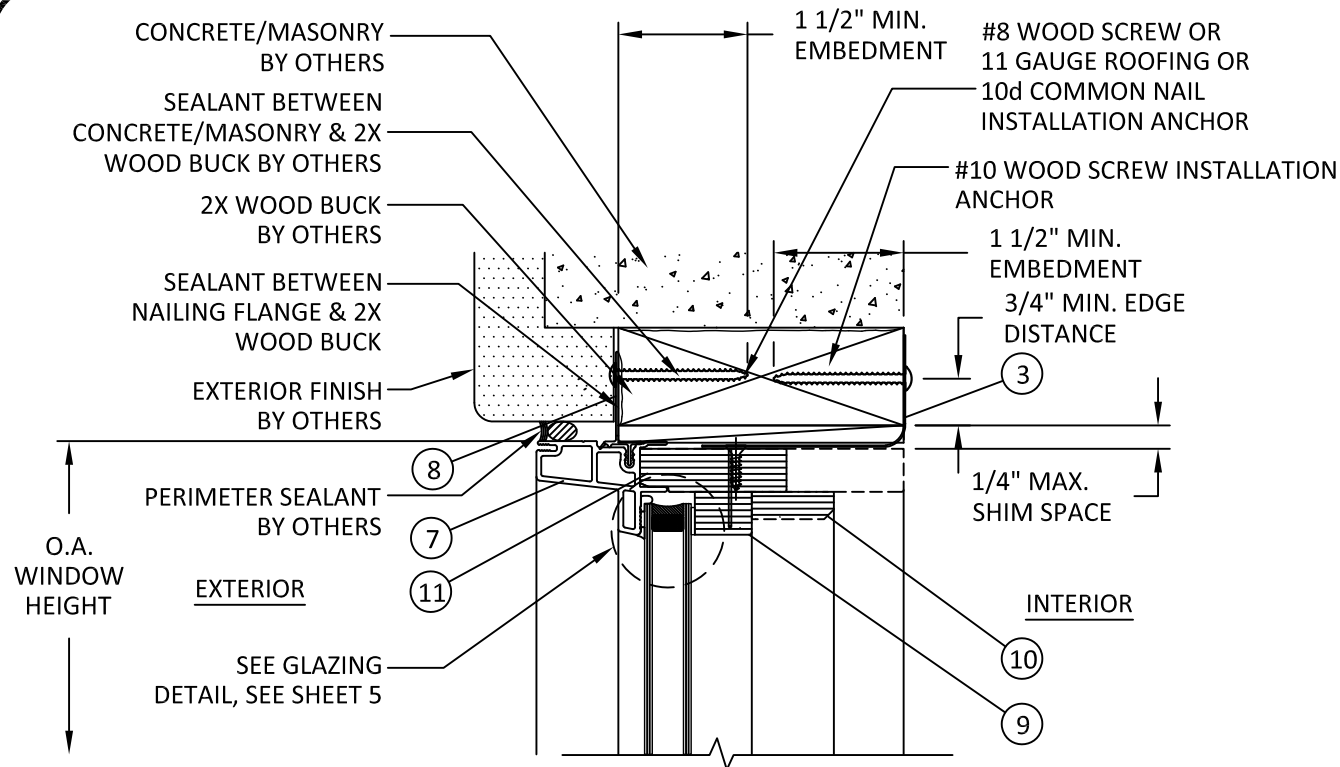
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DWG. #:	AWD145
SHEET:	3

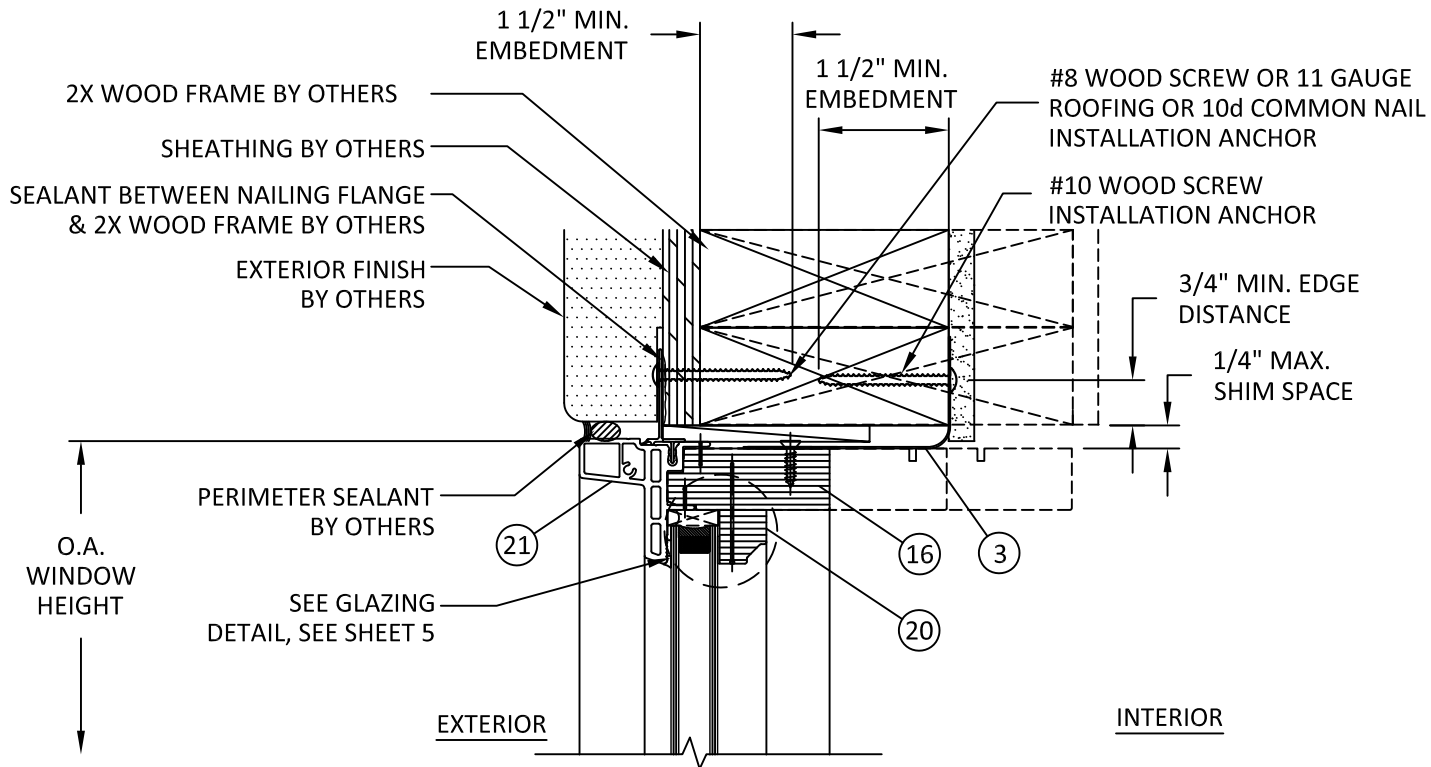
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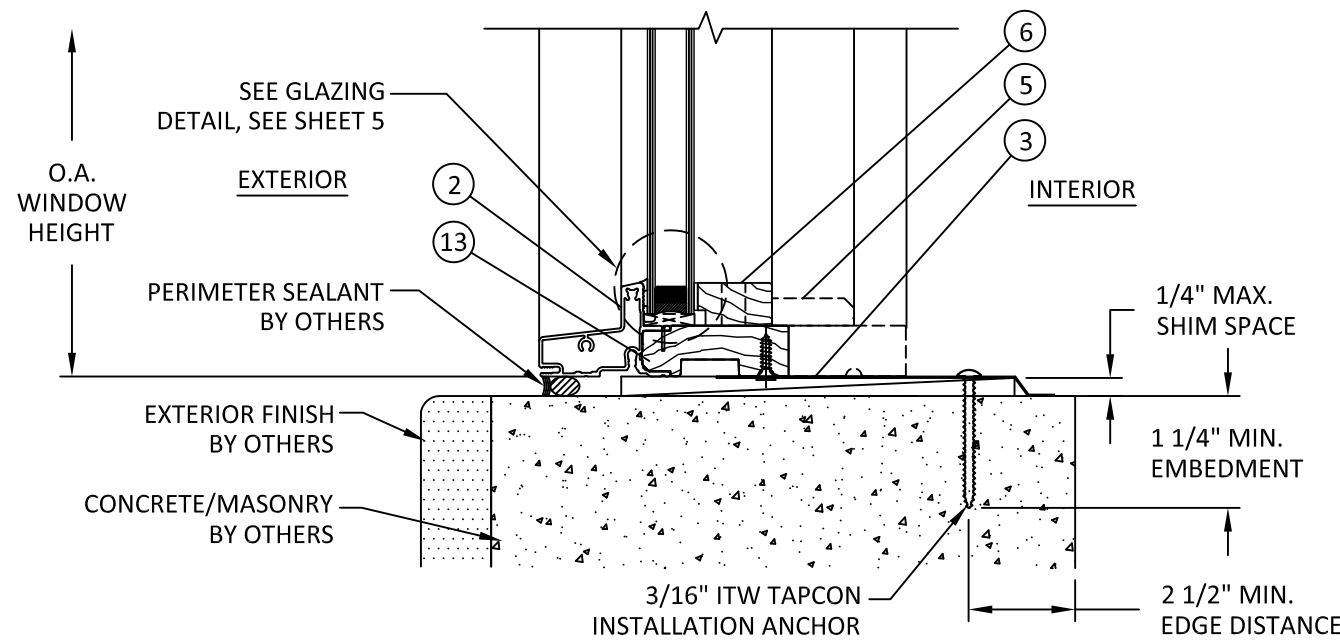


C
4 **VERTICAL SECTION**
HEAD - 2X BUCK & CONCRETE/MASONRY
INSTALLATION CLIP/NAILING FLANGE

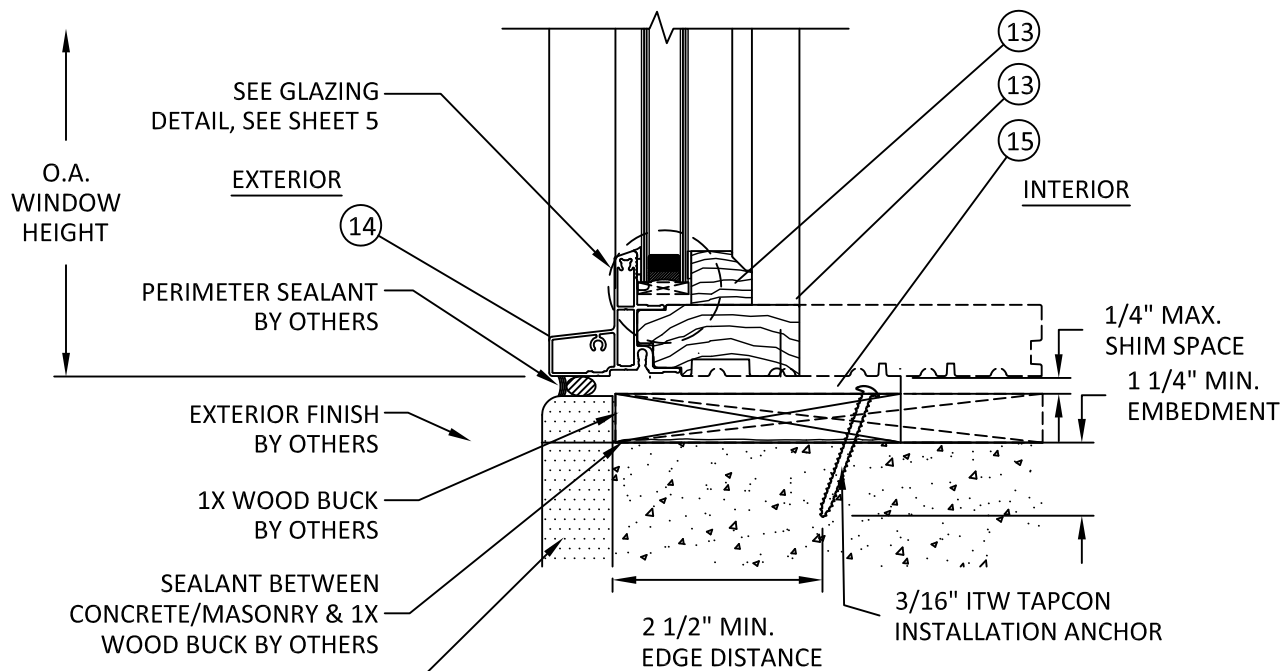
NOTE: ANDERSEN CLIP (ITEM #15) CAN BE USED IN PLACE OF THE KML CLIP (ITEM #3) AS AN OPTION.



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



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



B
4 **VERTICAL SECTION**
SILL - 1X BUCK & CONCRETE/MASONRY
INSTALLATION CLIP



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VERTICAL SECTIONS

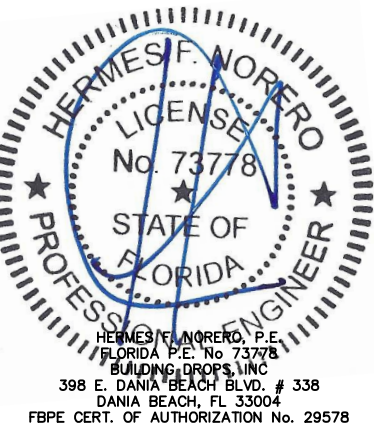
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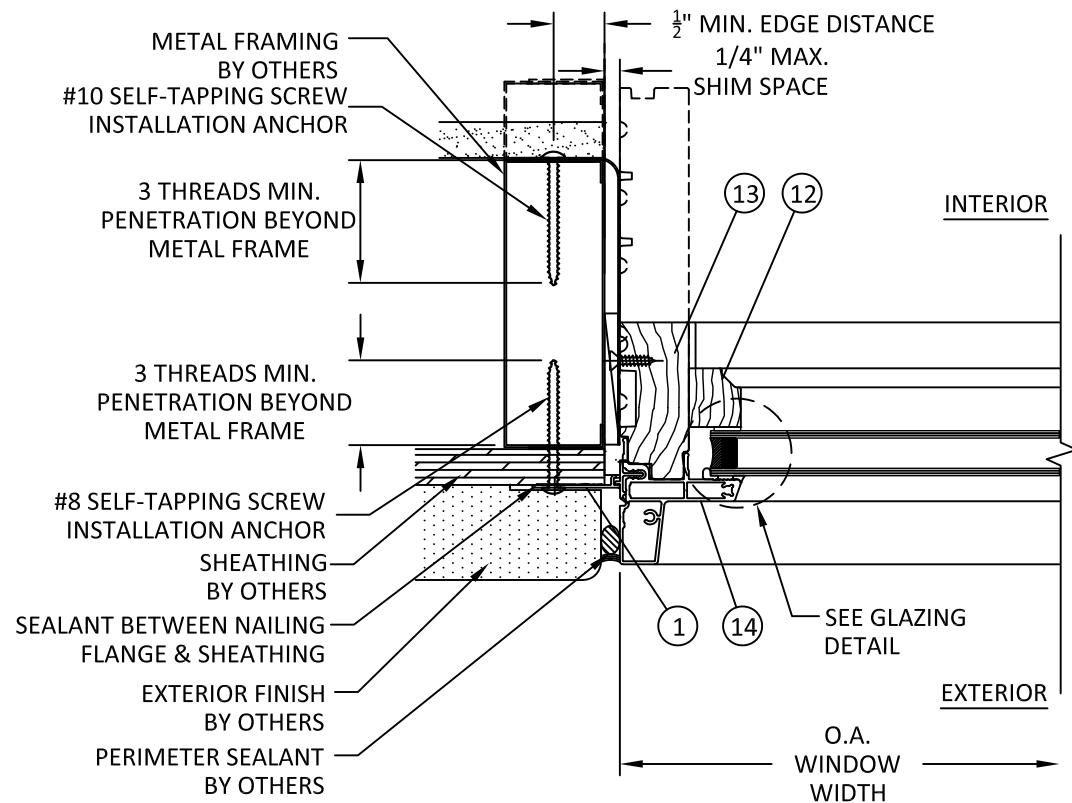
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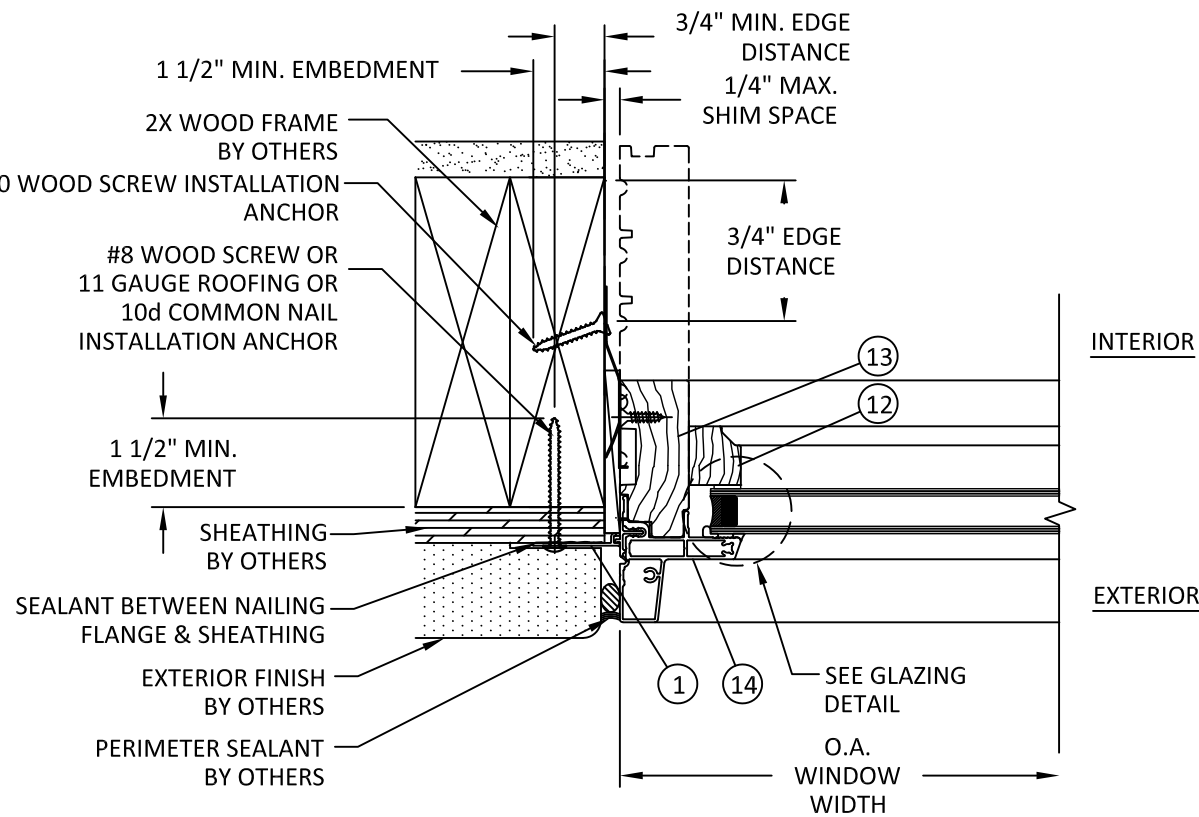
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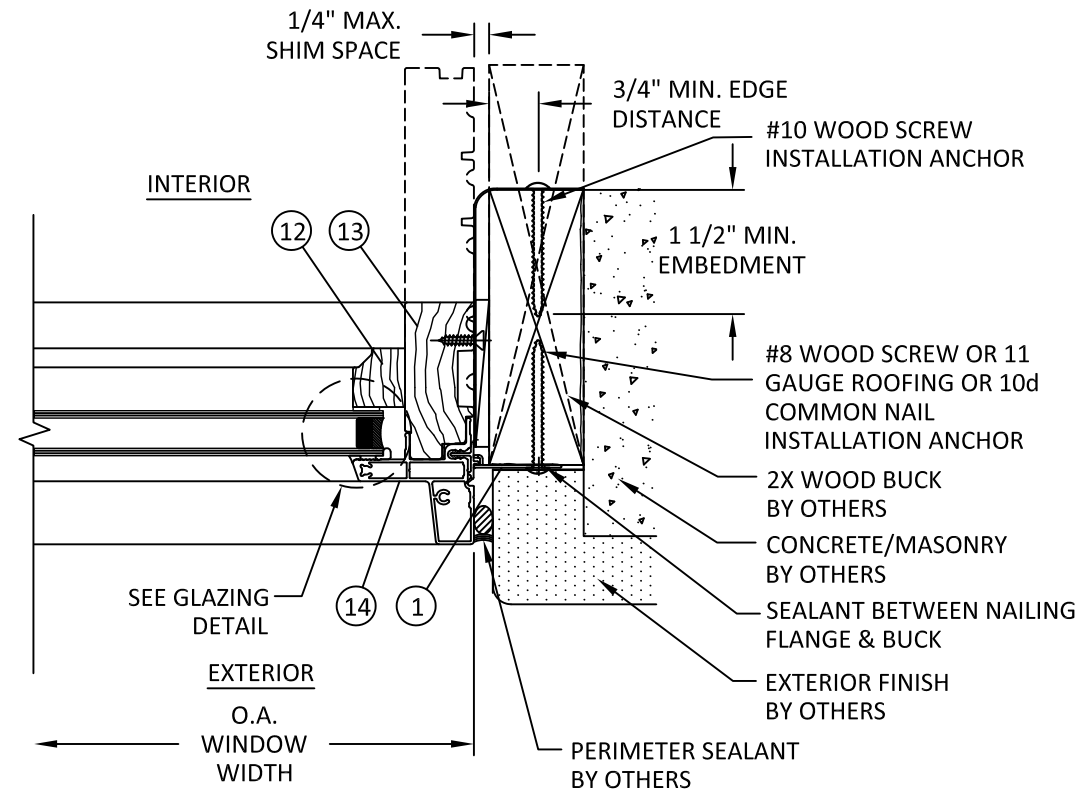
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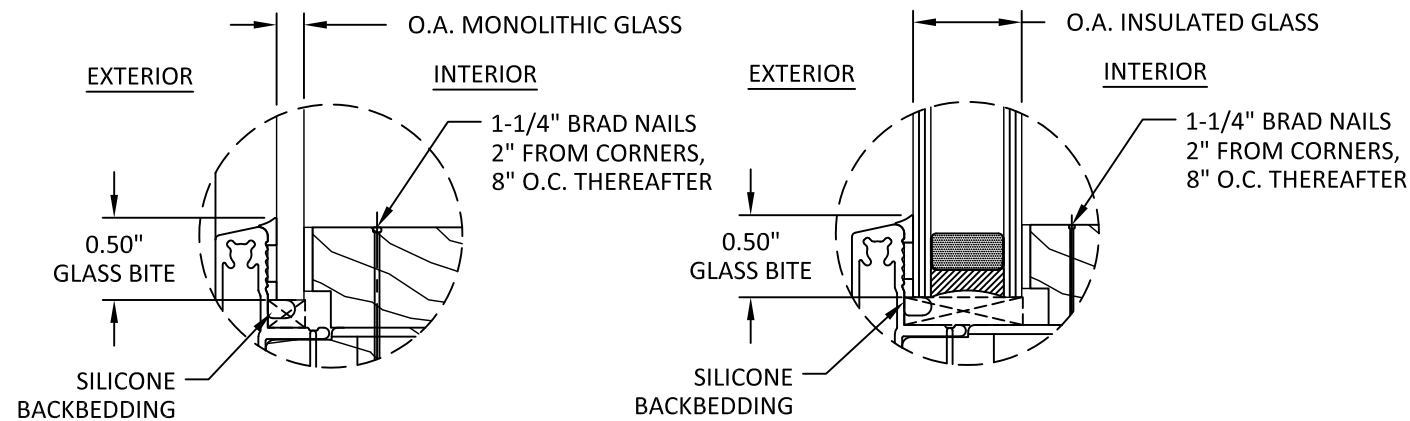
F5 HORIZONTAL SECTION
JAMB - METAL FRAME
INSTALLATION CLIP



E5 HORIZONTAL SECTION
JAMB - 2X WOOD FRAME
INSTALLATION CLIP/NAILING FLANGE



G5 HORIZONTAL SECTION
JAMB - 2X WOOD BUCK
INSTALLATION CLIP



GLAZING DETAIL A

GLAZING DETAIL B

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



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TITLE: A/400/200 SERIES DIRECT-SET
FIXED WINDOWS
(NON-HVHZ) (NON-IMPACT)

HORIZONTAL SECTIONS & GLAZING DETAILS

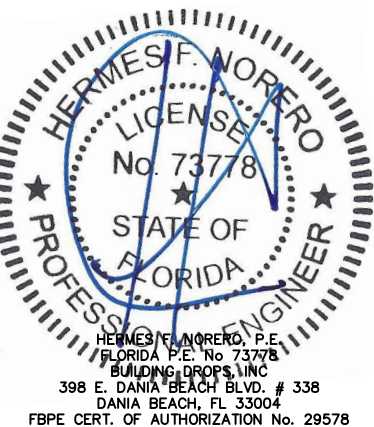
PREPARED BY: BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478
FAX: (954) 744-4738
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FL #:	FL24174
DATE:	08.15.17
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CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD145
SHEET:	5



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VERTICAL & HORIZONTAL SECTIONS

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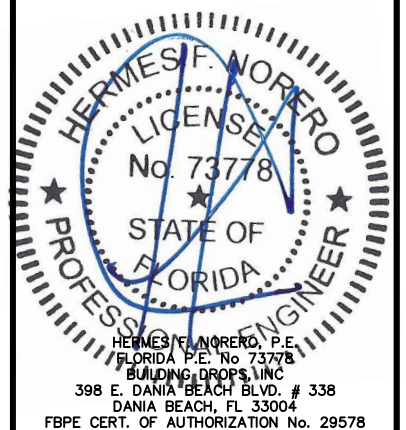
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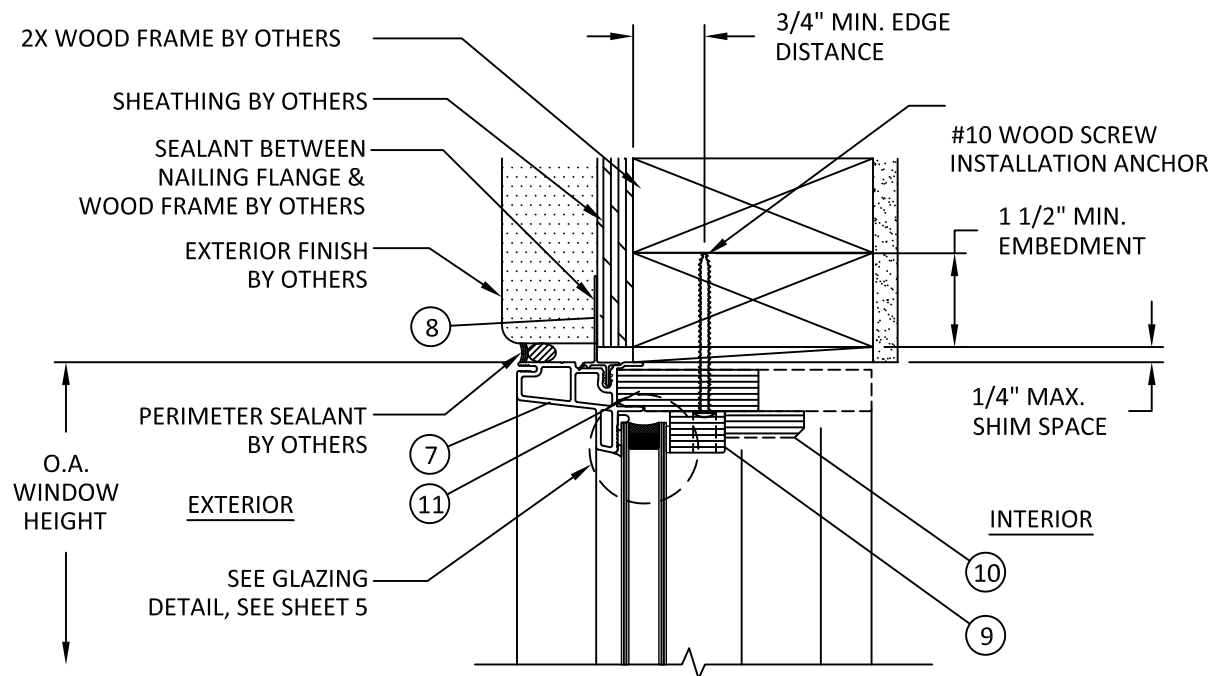


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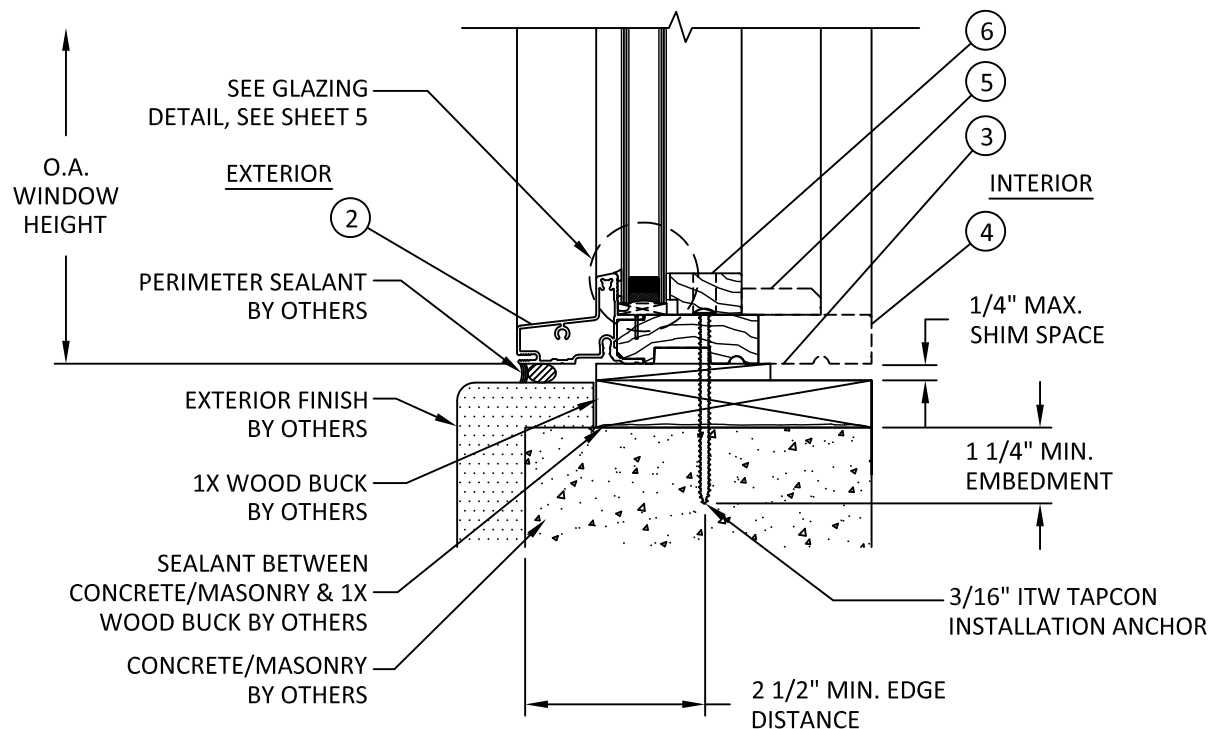
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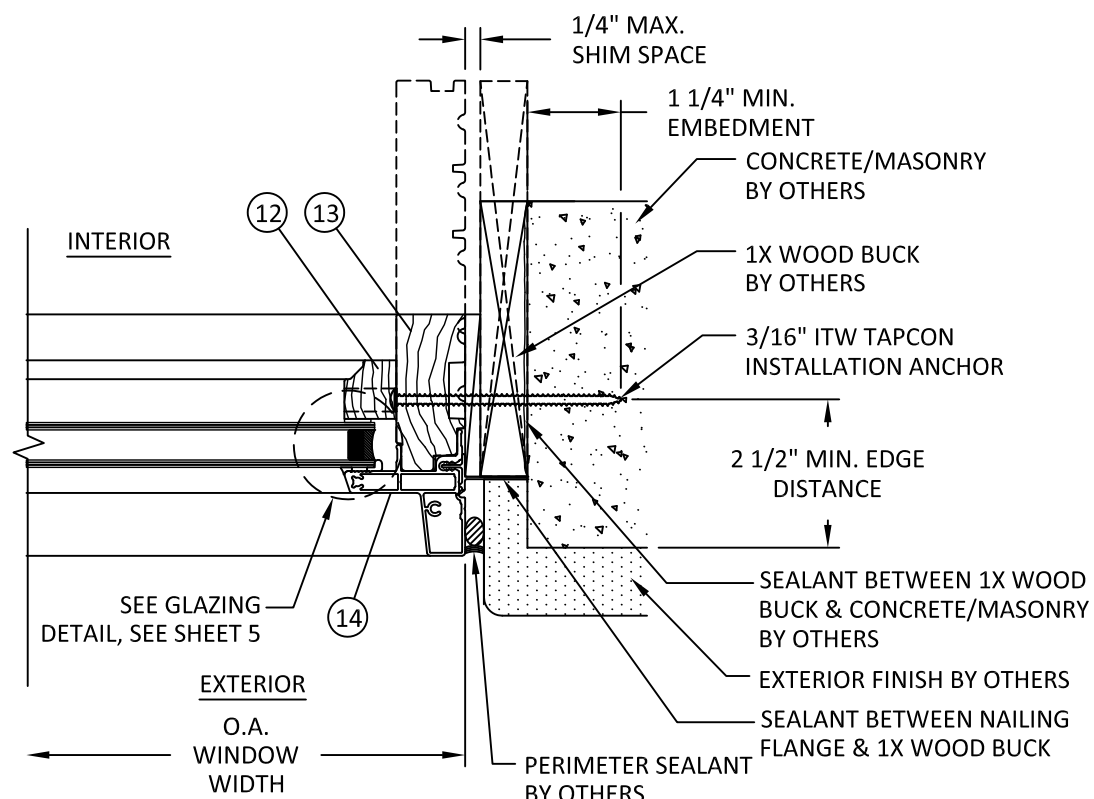
FL #:	FL24174
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DWG. #:	AWD145
SHEET:	6



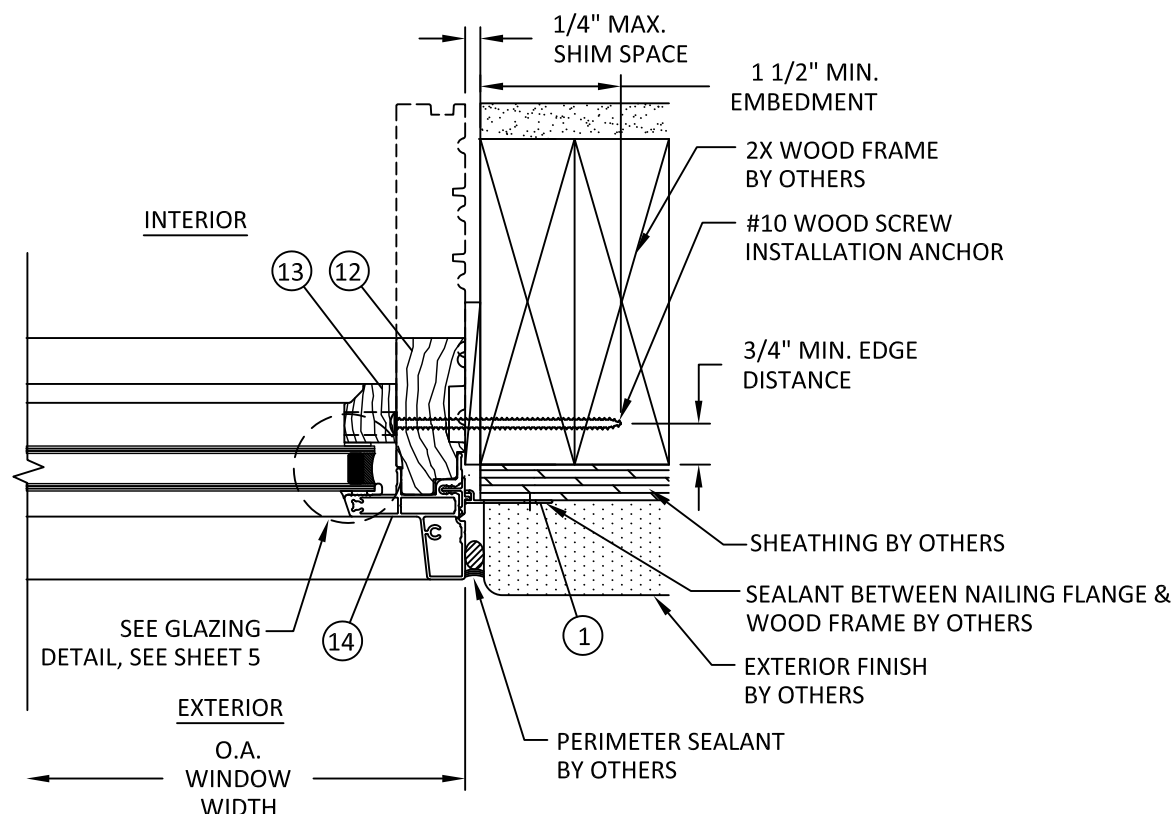
K6 VERTICAL SECTION
HEAD - 2X WOOD FRAME
THROUGH FRAME INSTALLATION



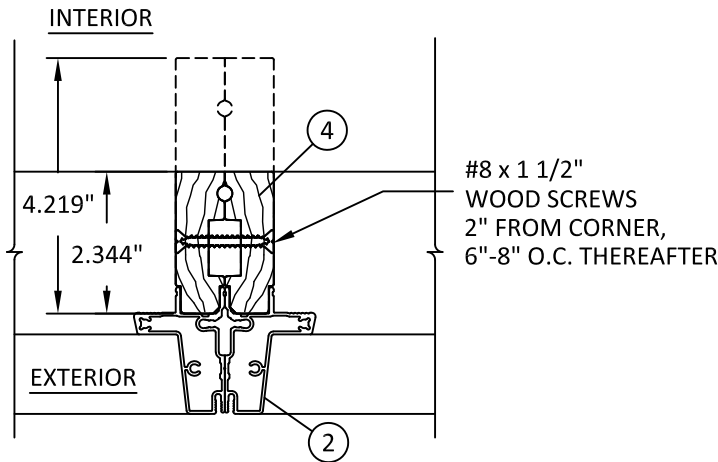
H6 VERTICAL SECTION
SILL - CONCRETE / MASONRY
THROUGH FRAME INSTALLATION



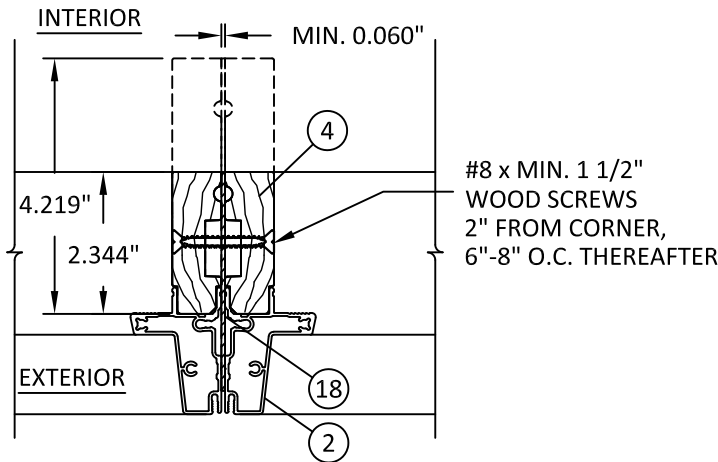
L6 HORIZONTAL SECTION
JAMB - CONCRETE/MASONRY
THROUGH FRAME INSTALLATION



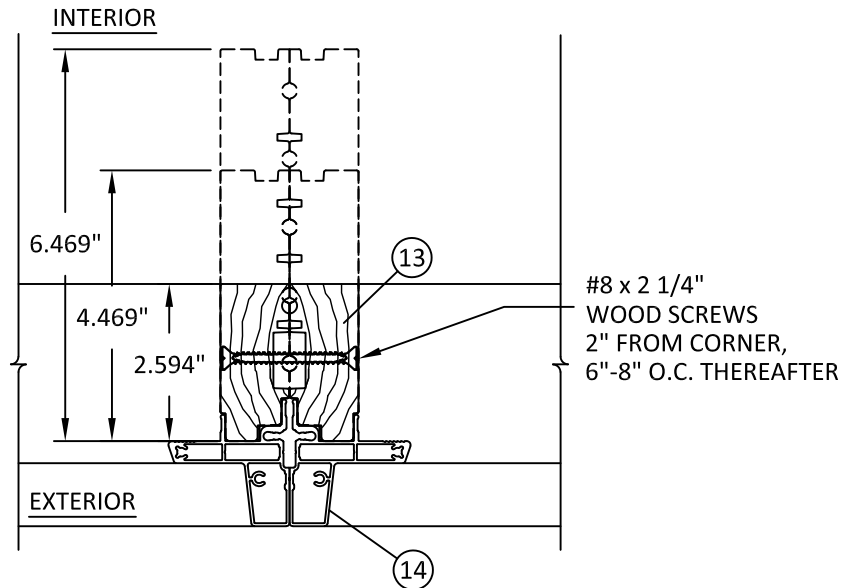
J6 HORIZONTAL SECTION
JAMB - 2X WOOD FRAME
THROUGH FRAME INSTALLATION



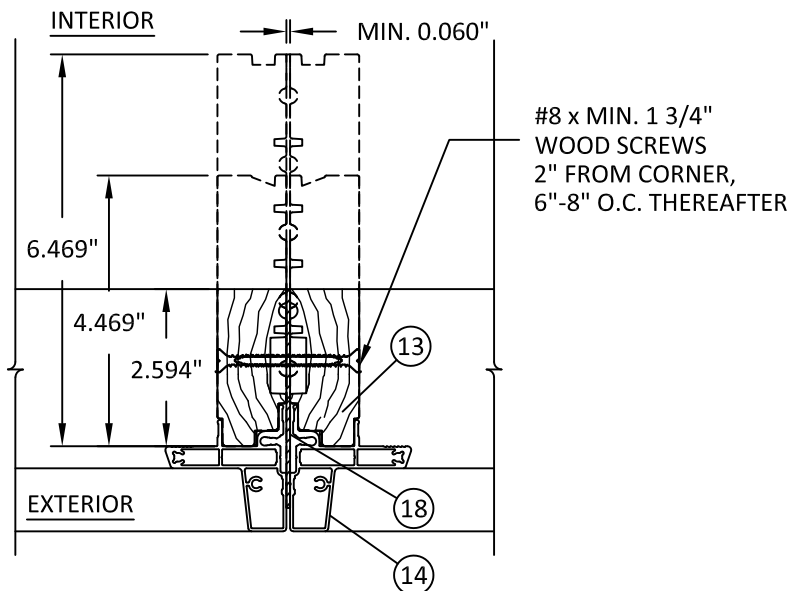
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7 **HORIZONTAL SECTION**
JAMB TO JAMB
AKG/AKE FRAME TYPE - TYP.



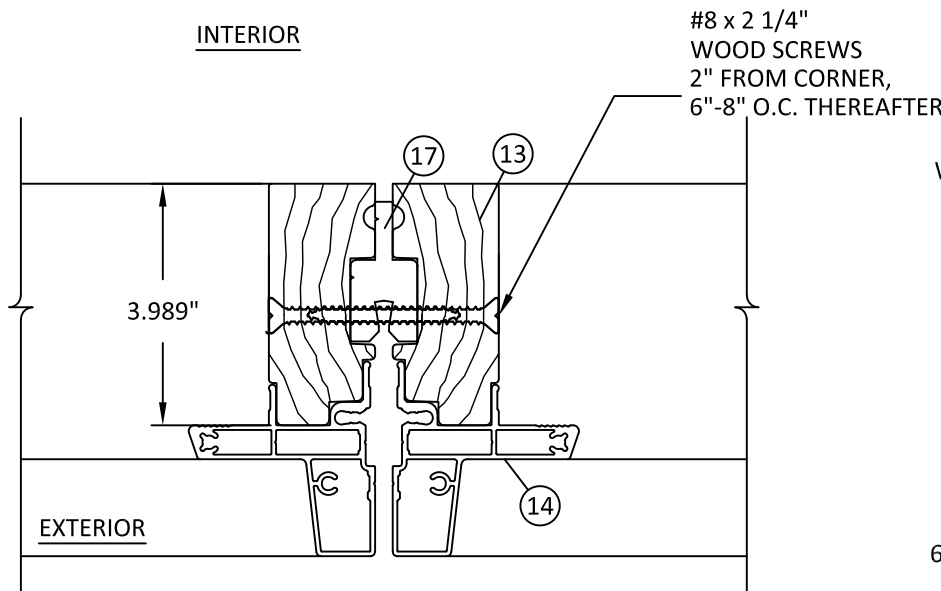
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7 **HORIZONTAL SECTION**
MULLION SPACER
AKG/AKE FRAME TYPE - TYP.



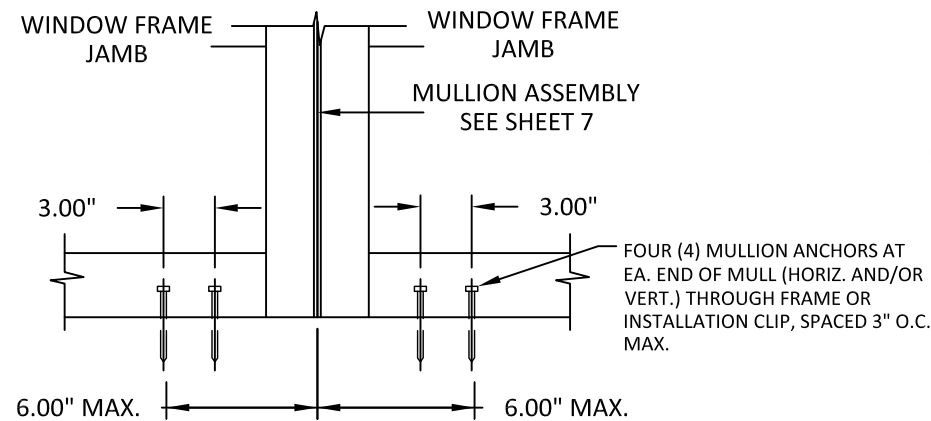
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7 **HORIZONTAL SECTION**
JAMB TO JAMB
AKGT/AKET FRAME TYPE - TYP.



P
7 **HORIZONTAL SECTION**
MULLION SPACER
AKGT/AKET FRAME TYPE - TYP.



Q
7 **HORIZONTAL SECTION**
NARROW WOOD MULLION
AKGT/AKET FRAME TYPE - TYP.



R
7 **EXTERIOR VIEW**
MULLION ANCHOR DETAIL
THROUGH FRAME/INSTALLATION CLIP

NOTE:

1. FOR MULLION CONSTRUCTION WHICH UTILIZES FRAME DEPTHS OF 2.344" OR GREATER, REFER TO APPLICABLE DP TABLES ON SHEETS 8 OR 9.
2. FOR MULLION CONSTRUCTION WHICH UTILIZES FRAME DEPTHS OF 4.219" OR GREATER, REFER TO APPLICABLE DP TABLES ON SHEETS 10 OR 11.
3. MULLION UNITS SHALL BE JOINED AT EA. END THROUGH THE USE OF A GUSSET PLATE (ITEM# 19), AS PRESCRIBED BY THE MANUFACTURER. GUSSETS SHALL BE FASTENED TO EA. ADJACENT UNIT THROUGH THE USE OF SIX (6) 7/16" X 1/2" X 16 GA. STAPLES AND TWO (2) #8 X 2 1/2" SCREWS. SEE DETAIL S/13, SHEET 13, FOR GUSSET INSTALLATION.
4. GLAZING, GLAZING STOPS, TRIM STOPS, AND OTHER TRIM PIECES HAVE NOT BEEN SHOWN FOR PURPOSES OF CLARITY.



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FIXED WINDOWS
(NON-HVHZ) (NON-IMPACT)

MULLION SECTIONS & INSTALLATION DETAIL

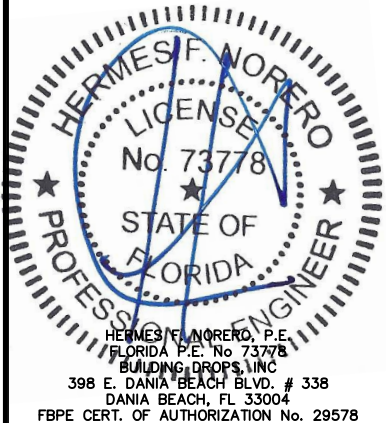
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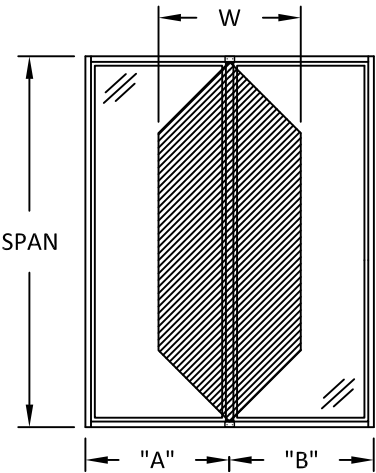


FL #:	FL24174
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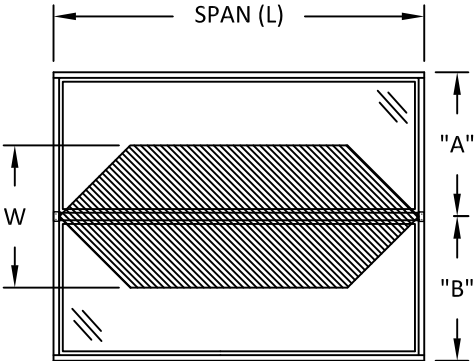
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DESIGN PRESSURE LIMITS FOR MULLION: ONE-WAY MULLIONS, MIN. FRAME DEPTH = 2.344"																
SPAN 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)															
	18	24	30	36	42	48	54	60	66	72	78	84	90	96	108	120
24	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
36	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
48	80.0	80.0	74.9	68.7	65.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
60	51.7	41.2	35.2	31.4	29.0	27.5	26.6	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4
72	29.1	22.9	19.3	17.0	15.4	-	-	-	-	-	-	-	-	-	-	-
84	17.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

- NOTE:
- DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - MAX DEFLECTION HAS BEEN LIMITED TO L/175.
 - MULLION CHART APPLIES TO TYP. MULLION CONSTRUCTION FOUND ON SHEET 7 SUCH THAT MIN. KML/AW ARCHITECTURAL DG FRAME DEPTH OF 2.344" IS MAINTAINED.
 - DESIGN PRESSURE VALUES APPLY TO ONE-WAY CONFIGURATIONS SHOWN IN TYP. ELEVATIONS A & B BELOW.
 - MULLION CHART MAY APPLY TO COMBINATION MULLED ASSEMBLIES CONSISTING OF THE FOLLOWING APPLICABLE ANDERSEN WINDOW PRODUCTS: FLEXIFRAME, 400 SERIES CASEMENT, 400 SERIES AWNING, 400 SERIES PICTURE WINDOWS, 200 SERIES TILT WASH DOUBLE HUNG, 400 SERIES TILT WASH DOUBLE HUNG UNDER SEPARATE APPROVALS AND KML/AW ARCHITECTURAL DG PRODUCTS.
 - DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION INDICATED HEREIN OR THE INDIVIDUAL WINDOW UNIT OF INSTALLATION.
 - ADJACENT WINDOWS SHALL BE FASTENED TO THE ROUGH OPENING WITH ADDITIONAL ANCHORS IN ACCORDANCE WITH DETAIL R/7, SHEET 7.



ELEVATION A
TRIBUTARY WIDTH = W = (A+B)/2



ELEVATION B
TRIBUTARY WIDTH = W = (A+B)/2



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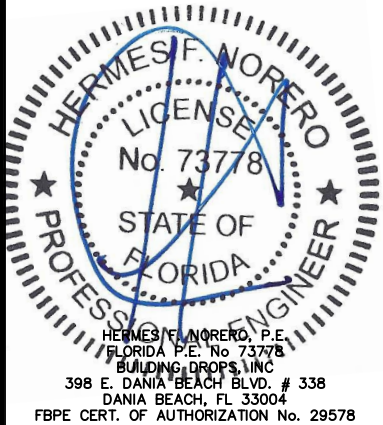
TITLE: A/400/200 SERIES DIRECT-SET
FIXED WINDOWS
(NON-HVHZ) (NON-IMPACT)
ONE-WAY MULLION DP TABLE (1)

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DANIA BEACH, FL 33004
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FL #:

FL24174

DATE: 08.15.17

DWG. BY: HR
CHK. BY: HFN

SCALE: NTS

DWG. #: AWD145

SHEET:

8

OF 13

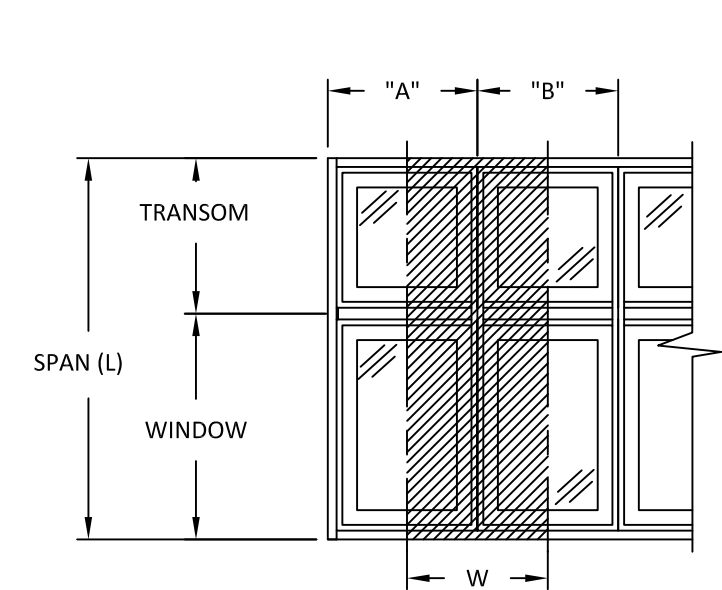
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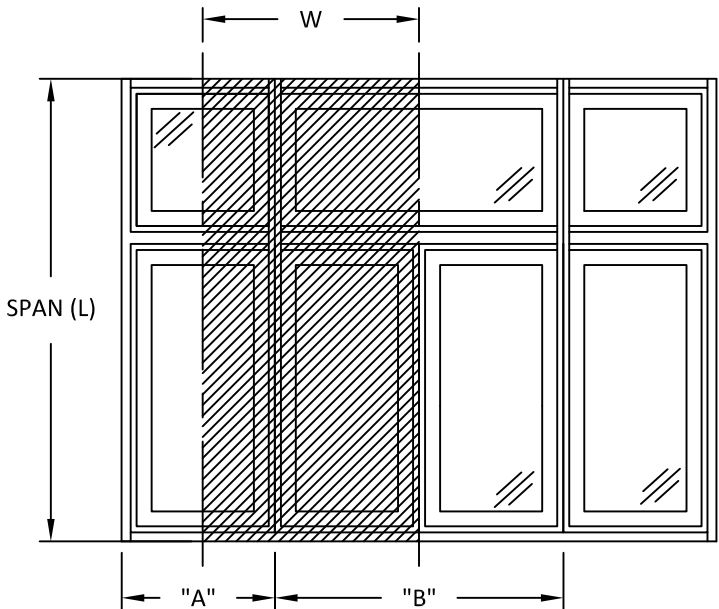
DESIGN PRESSURE LIMITS FOR MULLION: TWO-WAY MULLIONS, MIN. FRAME DEPTH = 2.344"																
SPAN 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)															
	18	24	30	36	42	48	54	60	66	72	78	84	90	96	108	120
24	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	74.5	69.5	65.2	57.9	52.1
36	80.0	80.0	80.0	77.2	66.2	57.9	51.5	46.3	42.1	38.6	35.6	33.1	30.9	29.0	25.7	23.2
48	80.0	64.4	51.5	42.9	36.8	32.2	28.6	25.7	23.4	21.5	19.8	18.4	17.2	16.1	-	-
60	43.9	33.0	26.4	22.0	18.8	16.5	-	-	-	-	-	-	-	-	-	-
72	25.4	19.1	15.3	-	-	-	-	-	-	-	-	-	-	-	-	-
84	16.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

- NOTE:
- DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - MAX DEFLECTION HAS BEEN LIMITED TO L/175.
 - MULLION CHART APPLIES TO TYP. MULLION CONSTRUCTION FOUND ON SHEET 7 SUCH THAT MIN. KML/AW ARCHITECTURAL DG FRAME DEPTH OF 2.344" IS MAINTAINED.
 - DESIGN PRESSURE VALUES APPLY TO TWO-WAY CONFIGURATIONS SHOWN IN TYP. ELEVATIONS C, D, & E BELOW.
 - MULLION CHART MAY APPLY TO COMBINATION MULLED ASSEMBLIES CONSISTING OF THE FOLLOWING APPLICABLE ANDERSEN WINDOW PRODUCTS: FLEXIFRAME, 400 SERIES CASEMENT, 400 SERIES AWNING, 400 SERIES PICTURE WINDOWS, 200 SERIES TILT WASH DOUBLE HUNG, 400 SERIES TILT WASH DOUBLE HUNG UNDER SEPARATE APPROVALS AND KML/AW ARCHITECTURAL DG PRODUCTS.
 - DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION INDICATED HEREIN OR THE INDIVIDUAL WINDOW UNIT OF INSTALLATION.
 - ADJACENT WINDOWS SHALL BE FASTENED TO THE ROUGH OPENING WITH ADDITIONAL ANCHORS IN ACCORDANCE WITH DETAIL R/7, SHEET 7.



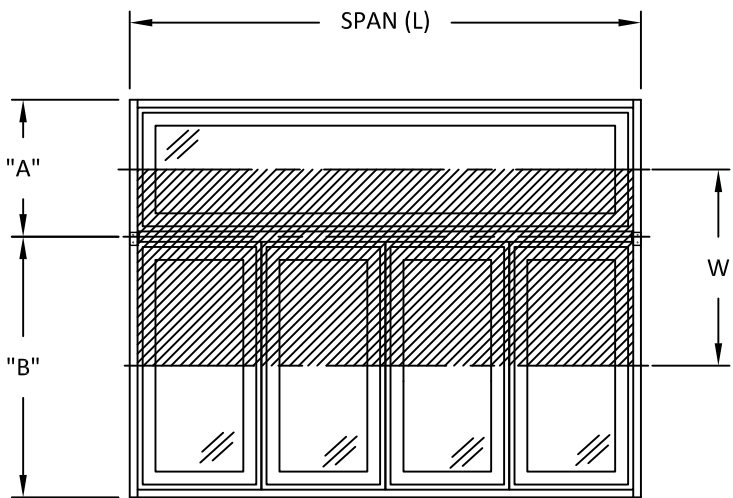
ELEVATION C

TRIBUTARY WIDTH = $W = (A+B)/2$



ELEVATION D

TRIBUTARY WIDTH = $W = (A+B)/2$



ELEVATION E

TRIBUTARY WIDTH = $W = (A+B)/2$



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TWO-WAY MULLION DP TABLE (1)

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DANIA BEACH, FL 33004

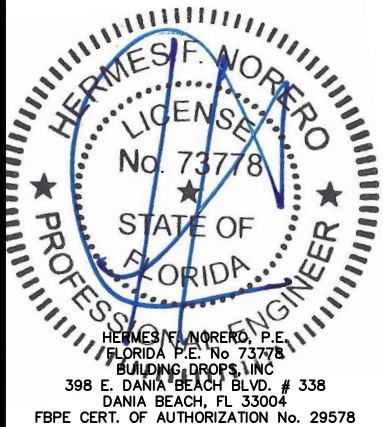
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WEB: www.buildingdrops.com



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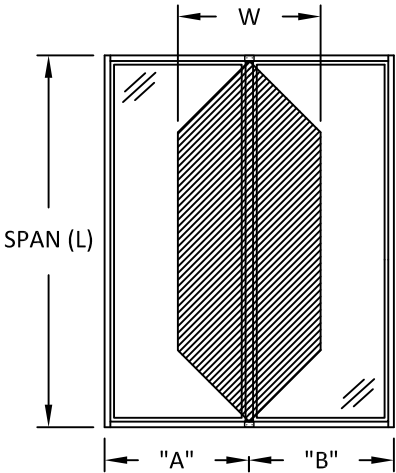
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DWG. BY:	HR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD145
SHEET:	9

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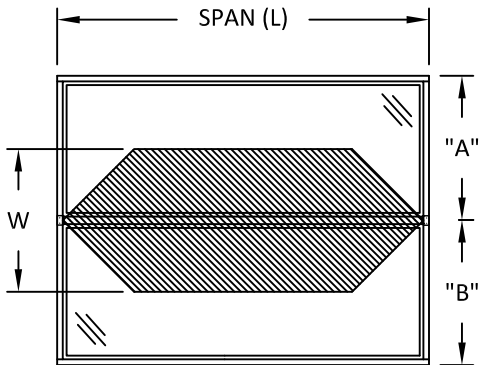
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DESIGN PRESSURE LIMITS FOR MULLION: ONE-WAY MULLIONS, MIN. FRAME DEPTH = 4.219"																		
SPAN 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)																	
	18	24	30	36	42	48	54	60	66	72	78	84	90	96	108	120	132	144
24	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
36	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
48	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
60	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
72	80.0	80.0	80.0	80.0	75.0	69.8	66.1	63.8	62.4	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
84	80.0	79.7	66.6	58.0	52.1	47.8	44.8	42.5	40.9	39.9	39.3	39.1	39.1	39.1	39.1	39.1	39.1	39.1
96	69.4	53.9	44.7	38.7	34.5	31.4	29.2	27.4	26.1	25.2	24.4	24.0	23.7	23.6	23.6	23.6	23.6	23.6
108	48.2	37.3	30.8	26.5	23.5	21.3	19.6	18.3	17.3	16.6	16.0	15.5	15.1	-	-	-	-	-
120	34.8	26.8	22.1	18.9	16.7	15.1	-	-	-	-	-	-	-	-	-	-	-	-
132	26.0	20.0	16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
144	19.9	15.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

- NOTE:
- DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - MAX DEFLECTION HAS BEN LIMITED TO L/175
 - MULLION CHART APPLIES TO TYP. MULLION CONSTRUCTION FOUND ON SHEET 7 SUCH THAT MIN. KML/AW ARCHITECTURAL DG FRAME DEPTH OF 4.219" IS MAINTAINED.
 - DESIGN PRESSURE VALUES APPLY TO ONE-WAY CONFIGURATIONS SHOWN IN TYP. ELEVATIONS A & B BELOW.
 - MULLION CHART MAY APPLY TO COMBINATION MULLED ASSEMBLIES CONSISTING OF THE FOLLOWING APPLICABLE ANDERSEN WINDOW PRODUCTS: 400 SERIES CASEMENT, 400 SERIES AWNING, 400 SERIES PICTURE WINDOWS, A SERIES IS/OS PATIO DOOR, 400 SERIES PATIO DOOR, KML OS PATIO DOOR UNDER SEPARATE APPROVALS AND KML/AW ARCHITECTURAL DG PRODUCTS
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 - ADJACENT WINDOWS SHALL BE FASTENED TO THE ROUGH OPENING WITH ADDITIONAL ANCHORS IN ACCORDANCE WITH DETAIL R/7, SHEET 7.



ELEVATION A
TRIBUTARY WIDTH = W = (A+B)/2



ELEVATION B
TRIBUTARY WIDTH = W = (A+B)/2



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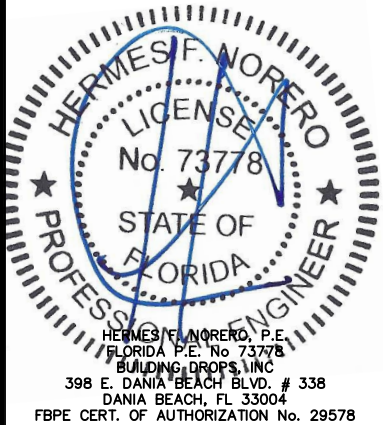
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ONE-WAY MULLION DP TABLE (2)

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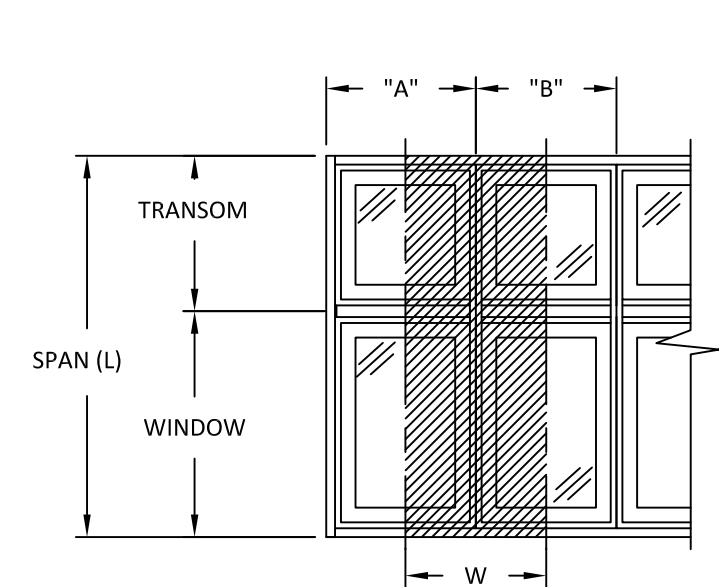
FL #:	FL24174
DATE:	08.15.17
DWG. BY:	HR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD145
SHEET:	10

8/6/2021 10:36 AM

s:\projects\andersen windows\fbc-21-0751 - fbc submittal - fl241741 (1,2,3,4)\dwgs\241742\awd145.dwg

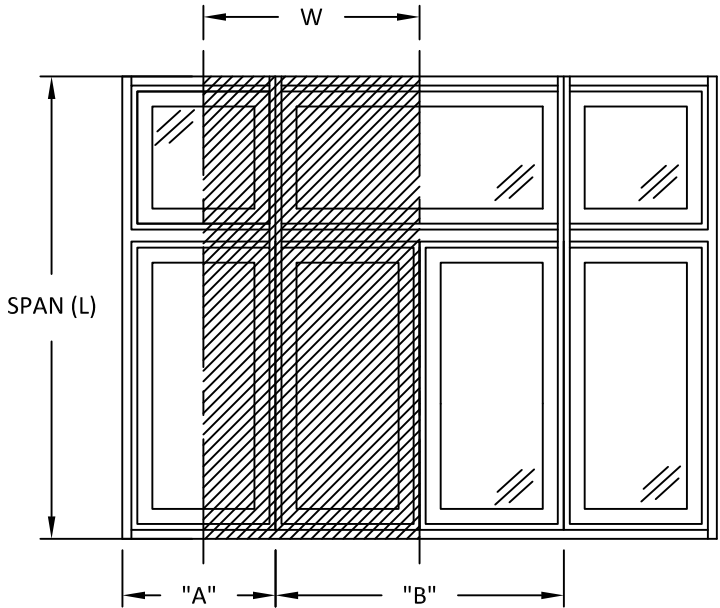
DESIGN PRESSURE LIMITS FOR MULLION: TWO-WAY MULLIONS, MIN. FRAME DEPTH = 4.219"																		
SPAN 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)																	
	18	24	30	36	42	48	54	60	66	72	78	84	90	96	108	120	132	144
24	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	72.8	66.2	60.7
36	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	74.7	69.3	64.7	60.7	53.9	48.5	44.1	40.4
48	80.0	80.0	80.0	80.0	80.0	80.0	80.0	72.8	66.2	60.7	56.0	52.0	48.5	45.5	40.4	36.4	33.1	30.3
60	80.0	80.0	80.0	80.0	76.5	67.0	59.5	53.6	48.7	44.6	41.2	38.3	35.7	33.5	29.8	26.8	24.4	22.3
72	80.0	80.0	74.4	62.0	53.2	46.5	41.3	37.2	33.8	31.0	28.6	26.6	24.8	23.3	20.7	18.6	16.9	15.5
84	80.0	68.3	54.7	45.6	39.1	34.2	30.4	27.3	24.9	22.8	21.0	19.5	18.2	17.1	15.2	-	-	-
96	62.9	47.2	37.7	31.4	27.0	23.6	21.0	18.9	17.2	15.7	-	-	-	-	-	-	-	-
108	44.2	33.1	26.5	22.1	18.9	16.6	-	-	-	-	-	-	-	-	-	-	-	-
120	32.2	24.2	19.3	16.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
132	24.2	18.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
144	18.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

- NOTE:
- DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - MAX DEFLECTION HAS BEEN LIMITED TO L/175.
 - MULLION CHART APPLIES TO TYP. MULLION CONSTRUCTION FOUND ON SHEET 7 SUCH THAT MIN. KML/AW ARCHITECTURAL DG FRAME DEPTH OF 4.219" IS MAINTAINED.
 - DESIGN PRESSURE VALUES APPLY TO TWO-WAY CONFIGURATIONS SHOWN IN TYP. ELEVATIONS C, D, & E BELOW.
 - MULLION CHART MAY APPLY TO COMBINATION MULLED ASSEMBLIES CONSISTING OF THE FOLLOWING APPLICABLE ANDERSEN WINDOW PRODUCTS: 400 SERIES CASEMENT, 400 SERIES AWNING, 400 SERIES PICTURE WINDOWS, A SERIES IS/OS PATIO DOOR, 400 SERIES PATIO DOOR, KML OS PATIO DOOR UNDER SEPARATE APPROVALS AND KML/AW ARCHITECTURAL DG PRODUCTS.
 - DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION INDICATED HEREIN OR THE INDIVIDUAL WINDOW UNIT OF INSTALLATION.
 - ADJACENT WINDOWS SHALL BE FASTENED TO THE ROUGH OPENING WITH ADDITIONAL ANCHORS IN ACCORDANCE WITH DETAIL R/7, SHEET 7.



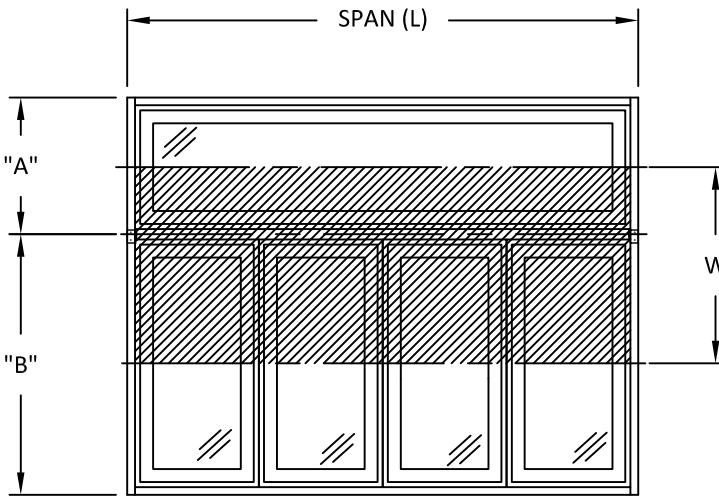
ELEVATION C

TRIBUTARY WIDTH = W = (A+B)/2



ELEVATION D

TRIBUTARY WIDTH = W = (A+B)/2



ELEVATION E

TRIBUTARY WIDTH = W = (A+B)/2



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

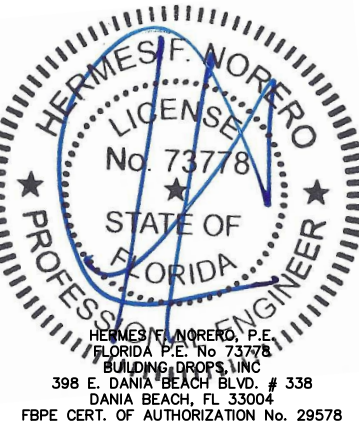
TITLE: A/400/200 SERIES DIRECT-SET
FIXED WINDOWS
(NON-HVHZ) (NON-IMPACT)
TWO-WAY MULLION DP TABLE (2)

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
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REMARKS	BY	DATE
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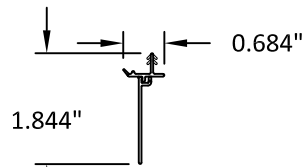
FL #:	FL24174
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DWG. #:	AWD145
SHEET:	

11

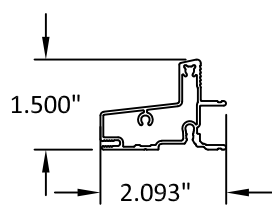
BILL OF MATERIALS			
ITEM NO.	DESCRIPTION	MATERIAL	MANUFACTURER
1	NAILING FLANGE - LINEAL	RIGID PVC	ANDERSEN ARCHITECTURAL
2	1 1/2" FRAME CLADDING - LINEAL	6063-T5	ANDERSEN ARCHITECTURAL
3	INSTALLATION CLIP	24 GA. STEEL	ANDERSEN ARCHITECTURAL
4	AKG/AKE FRAME MEMBER - LINEAL	WOOD	ANDERSEN ARCHITECTURAL
5	1 5/16" INTERIOR TRIM STOP - LINEAL (OPT.)	WOOD	ANDERSEN ARCHITECTURAL
6	1 3/16" STOP - LINEAL	WOOD	ANDERSEN ARCHITECTURAL
7	1 1/2" FRAME CLADDING - CURVED	6063-T5	ANDERSEN ARCHITECTURAL
8	FLEXIBLE NAILING FLANGE - CURVED	RIGID PVC	ANDERSEN ARCHITECTURAL
9	1 3/16" STOP - CURVED	LVL	ANDERSEN ARCHITECTURAL
10	1 1/4" INTERIOR TRIM STOP - CURVED (OPT.)	LVL	ANDERSEN ARCHITECTURAL
11	AKG/AKE FRAME MEMBER - CURVED	LVL	ANDERSEN ARCHITECTURAL
12	3/4" STOP LINEAL	WOOD	ANDERSEN ARCHITECTURAL
13	AKGT/AKET FRAME MEMBER - LINEAL	WOOD	ANDERSEN ARCHITECTURAL
14	2" FRAME CLADDING - LINEAL	6063-T5	ANDERSEN ARCHITECTURAL
15	INSTALLATION CLIP	24 GA. STEEL	ANDERSEN ARCHITECTURAL
16	AKGT/AKET FRAME MEMBER - CURVED	LVL	ANDERSEN ARCHITECTURAL
17	NARROW WOOD MULLION	WOOD	ANDERSEN ARCHITECTURAL
18	MULLION SPACER	WOOD	ANDERSEN ARCHITECTURAL
19	GUSSET PLATE	24 GA. STEEL	ANDERSEN ARCHITECTURAL
20	3/4" STOP - CURVED	LVL	ANDERSEN ARCHITECTURAL
21	2" FRAME CLADDING CURVED	6063-T5	ANDERSEN ARCHITECTURAL

NOTE:
ALL LINEAL WOOD MEMBERS ARE
CONSTRUCTED OF PONDEROSA PINE OR
EQUIVALENT. ALL CURVED WOOD MEMBERS
ARE CONSTRUCTED OF LVL.

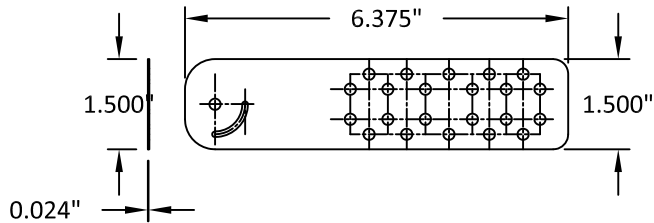
1 NAILING FLANGE - LINEAL
RIGID PVC
TYPICAL WALL THICKNESS: .045"



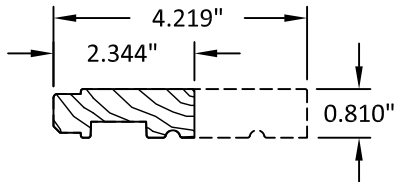
2 FRAME CLADDING - LINEAL
ALUMINUM 6063-T5
TYPICAL WALL THICKNESS: .050"



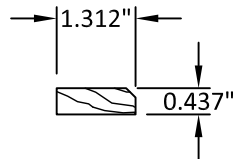
3 INSTALLATION CLIP
24 GA. 304 STEEL
TYPICAL WALL THICKNESS: .024"



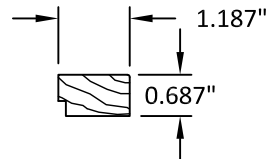
4 AKG/AKE FRAME MEMBER - LINEAL
WOOD



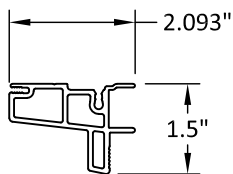
5 INTERIOR TRIM STOP - LINEAL
WOOD



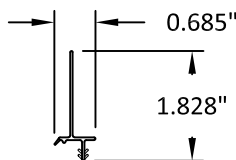
6 STOP - LINEAL
WOOD



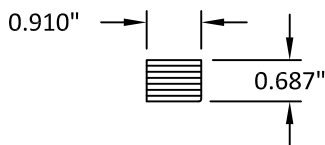
7 FRAME CLADDING - CURVED
ALUMINUM 6063-T5
TYPICAL WALL THICKNESS: .078"



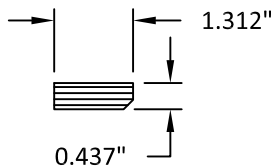
8 FLEXIBLE NAILING FLANGE - CURVED
RIGID PVC
TYPICAL WALL THICKNESS: .040"



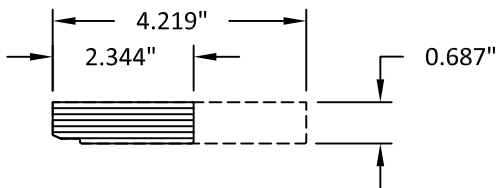
9 STOP - CURVED
WOOD



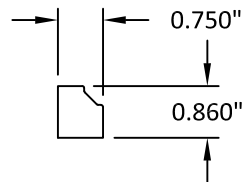
10 INT. TRIM STOP - CURVED
WOOD



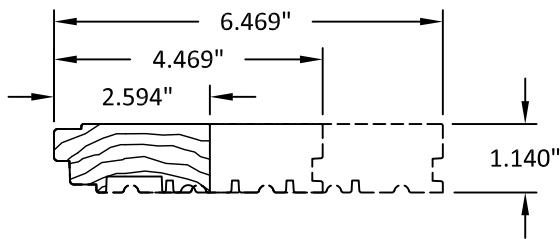
11 AKG/AKE FRAME MEMBER - CURVED
LVL



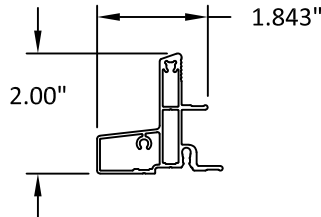
12 3/4" STOP LINEAL
WOOD



13 AKGT/AKET FRAME MEMBER - LINEAL
WOOD



14 2" FRAME CLADDING - LINEAL
ALUMINUM 6063-T5
TYPICAL WALL THICKNESS: .050"



ANDERSEN
WINDOWS & DOORS

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BAYPORT, MN 55003-1096

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TITLE: A/400/200 SERIES DIRECT-SET
FIXED WINDOWS
(NON-HVHZ) (NON-IMPACT)

BILL OF MATERIALS & COMPONENTS

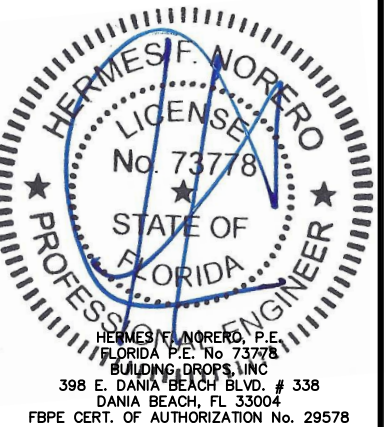
PREPARED BY: BUILDING DROPS, INC.

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FL24174

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CHK. BY: HFN

SCALE: NTS

DWG. #: AWD145

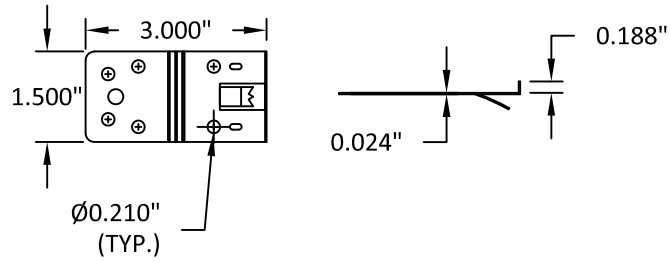
SHEET:

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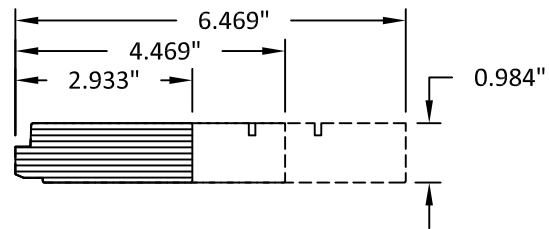
OF 13

8/6/2021 10:36 AM

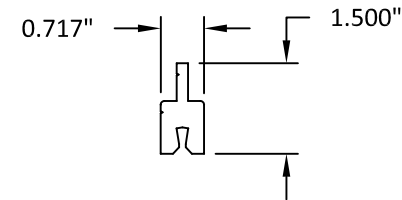
15 INSTALLATION CLIP
24 GA. 304 STEEL
TYPICAL WALL THICKNESS: .024"



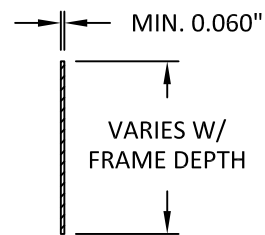
16 AKGT/AKET FRAME MEMBER - CURVED
LVL



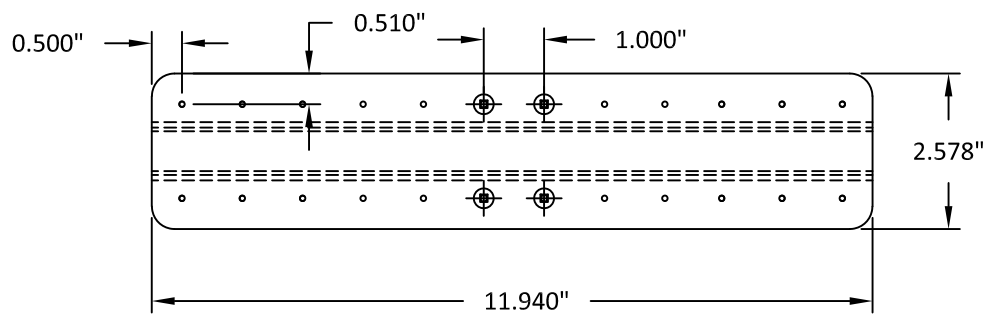
17 NARROW WOOD MULLION
WOOD



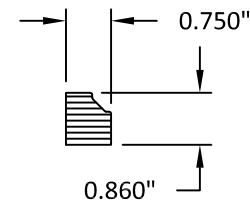
18 MULLION SPACER
WOOD



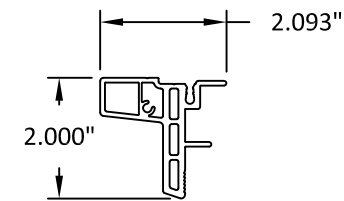
19 GUSSET PLATE
MIN. 24 GALV. STEEL



20 3/4" STOP CURVED
LVL

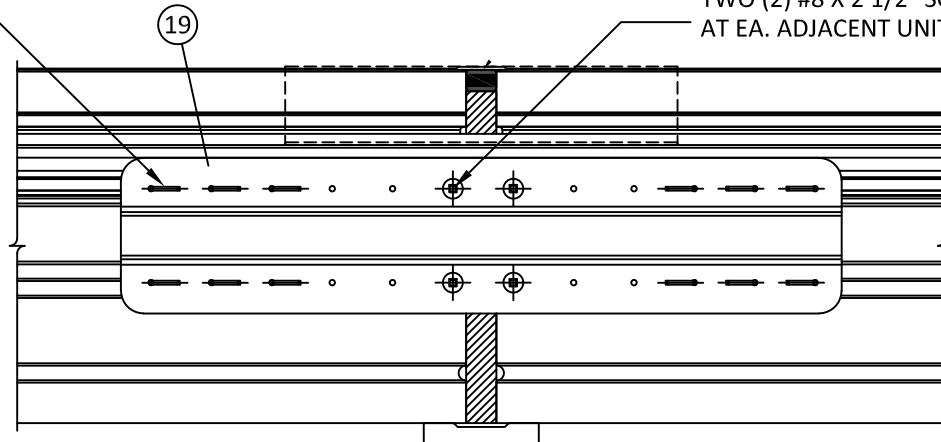


21 2" FRAME CLADDING CURVED
ALUMINUM 6063-T5



SIX (6) 7/16" X 1/2" X 16 GA. STAPLES
AT EA. ADJACENT UNIT

TWO (2) #8 X 2 1/2" SCREWS
AT EA. ADJACENT UNIT



S
13 HORIZONTAL SECTION
GUSSET DETAIL - TYP.



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COMPONENTS

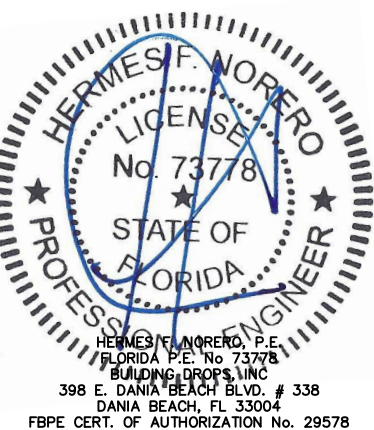
PREPARED BY: BUILDING DROPS, INC.

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