

4/14/2021 11:45 AM

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NUDO PRODUCTS, INC

ENDUREX 555 INSULATED GLAZING FOR FIXED WINDOW

INSTALLATION NOTES:

1. *ONE (1)* INSTALLATION ANCHOR CLIP IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
2. **INSTALLATION CLIP: FOR INSTALLATION INTO 2X BUCK** USE ONE (1) #8 WOOD SCREW PER INSTALLATION CLIP (TYPE 1 CLIP) OR PER LOCATION (TYPE 2 CLIP) OF SUFFICIENT LENGTH TO ACHIEVE *1 1/2* INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
3. **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 (TYPE 1 CLIP) OR PER LOCATION (TYPE 2 CLIP) OF SUFFICIENT LENGTH TO ACHIEVE *1 1/4* INCH MINIMUM EMBEDMENT.
4. **INSTALLATION CLIP: FOR INSTALLATION THROUGH METAL STUD** USE ONE (1) #8 SELF-TAPPING SCREW PER INSTALLATION CLIP (TYPE 1 CLIP) OR PER LOCATION (TYPE 2 CLIP) OF SUFFICIENT LENGTH TO ACHIEVE *3 THREADS* MINIMUM PENETRATION BEYOND METAL FRAME SUBSTRATE.
5. **INSTALLATION CLIP:** FOR ALL INSTALLATIONS, USE TWO (2) #8 X 1/2" SELF-TAPPING SCREW PER CLIP (TYPE 1 CLIP) OR ONE (1) #8 X 1/2" SELF-TAPPING SCREW AT 8.5" MAX. O.C. PER LOCATION (TYPE 2 CLIP) TO ATTACH CLIP TO PANEL FRAME.
6. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
7. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
8. FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
9. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
10. 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. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90
 - D. STEEL - MINIMUM YIELD STRENGTH OF *33 KSI*. MINIMUM WALL THICKNESS OF *49 MILS* (18 GAUGE).
 - E. ALUMINUM - MINIMUM WALL THICKNESS OF *1/16"*. 6063-T5 ALLOY OR BETTER.

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND METAL STUD FRAMING AS A COMPONENT & CLADDING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS 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.
6. WINDOW FRAME MATERIAL: *ALUMINUM 6063-T6*.
7. DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED AS DEFINED IN CURRENT FBC CHAPTER 23
8. SEE SHEET 4 FOR PANEL DETAIL.
9. *DESIGNATION "O" STANDS FOR THE FOLLOWING:
O: FIXED PANEL*

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL & INSTALLATION NOTES
2	ELEVATION & ANCHOR LAYOUT
3	VERTICAL & HORIZONTAL SECTIONS
4	COMPONENTS, BILL OF MATERIALS, AND PANEL DETAIL

DESIGN PRESSURE RATING			
SIZE	INSTALLATION METHOD	DESIGN PRESSURE	MISSILE IMPACT RATING
99 ½" X 51 ⅝"	THROUGH ANGLE CLIP	+70.0 / -70.0 PSF	LARGE AND SMALL MISSILE IMPACT

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1500 TAYLOR AVENUE
SPRINGFIELD, IL 62703
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TITLE:
ENDUREX 555 INSULATED
GLAZING & CURTAINWALL PANEL

GENERAL & INSTALLATION NOTES

PREPARED BY:

BUILDING DROPS, INC.

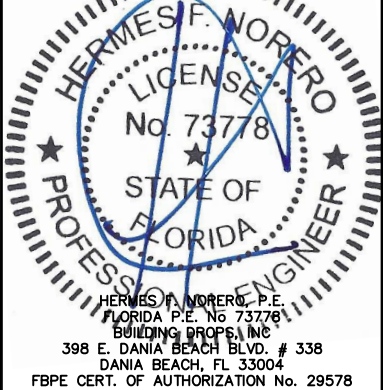
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

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Digitally signed by Hermes F Norero
Reason: I am approving this document
Date: 2021.04.16 10:15:51 -04'00'



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DATE: 03.30.21

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ER

CHK. BY:
HFN

SCALE: NTS

DWG. #: NDO002

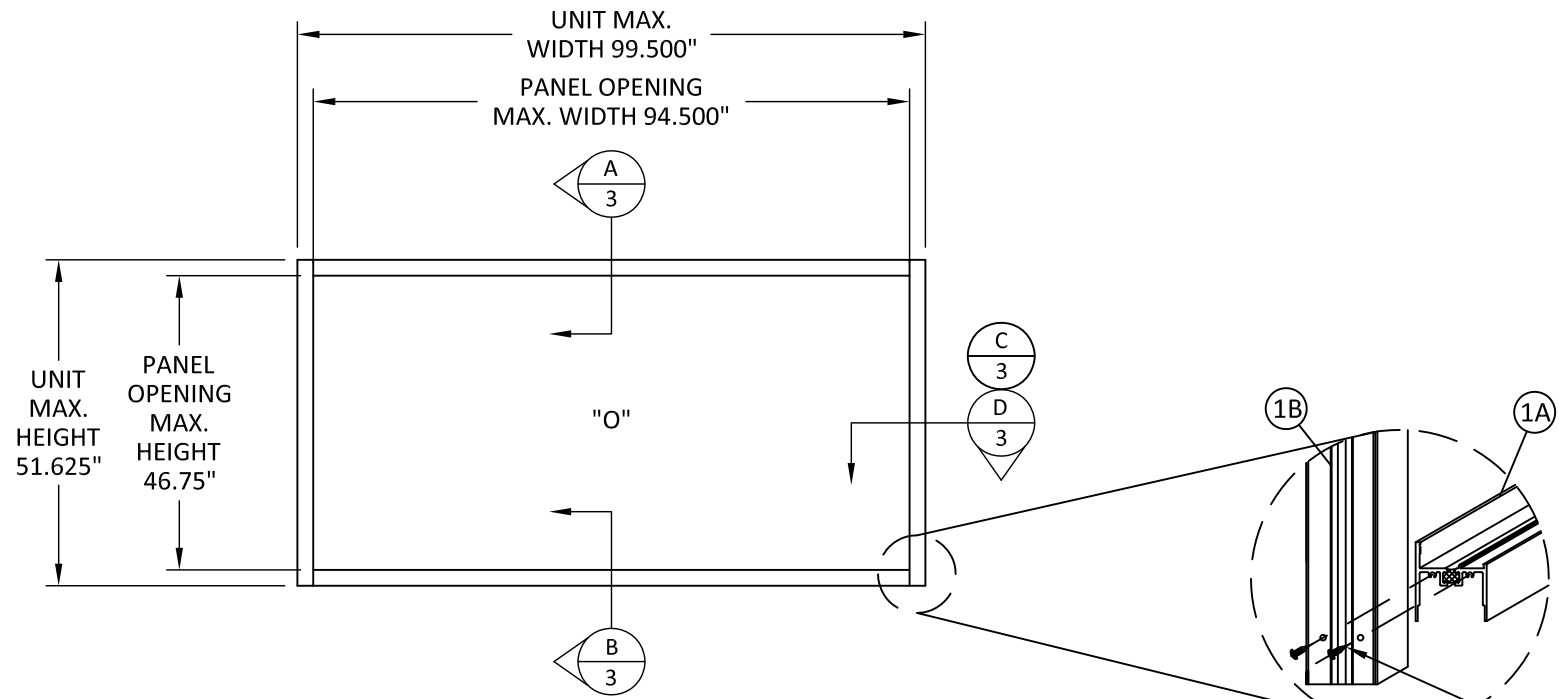
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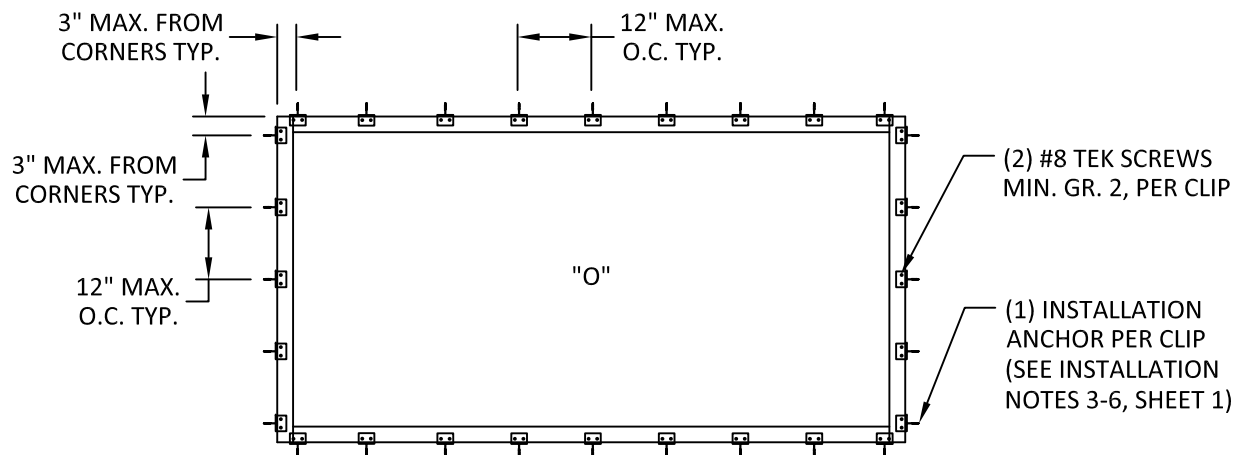
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ELEVATION

FRAME ASSEMBLY DETAIL

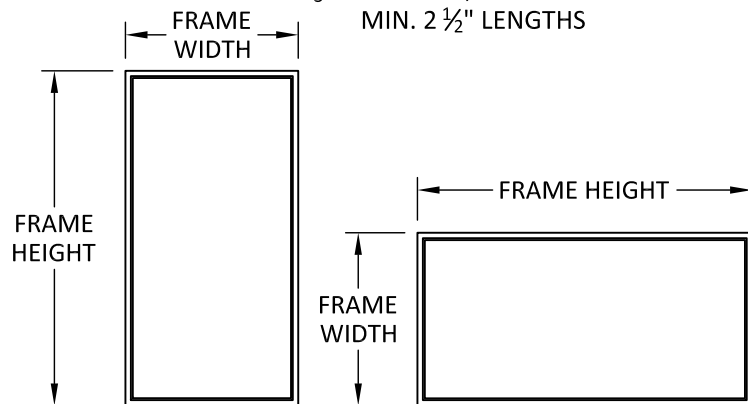
(2) #8 X 1.25" PH PN AB 188
P/N 939075, FRAME ASSEMBLY
SCREWS



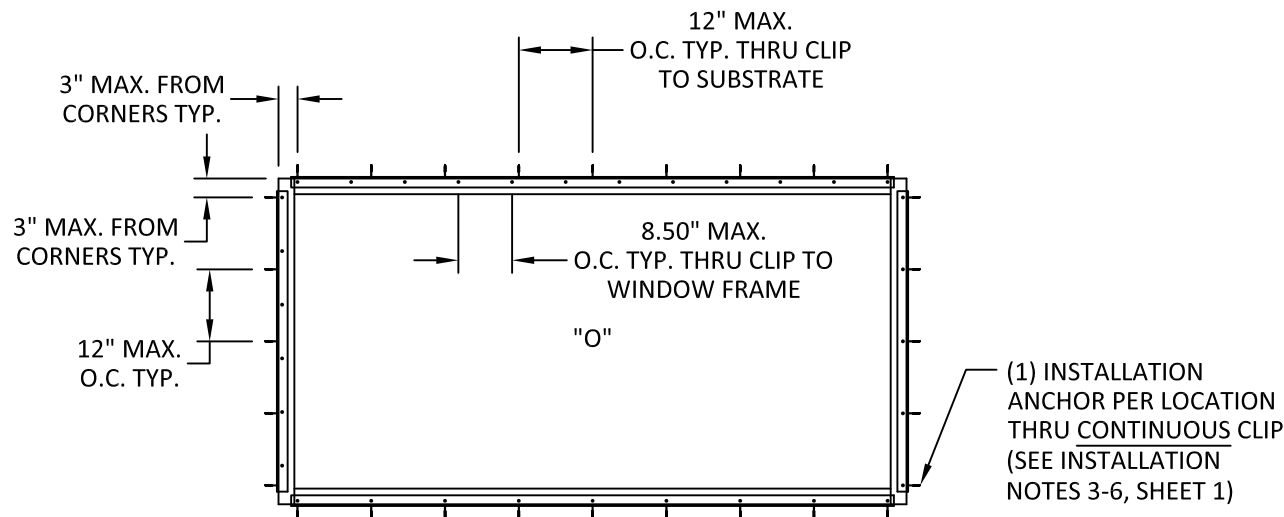
ANCHOR LAYOUT

TYPE 1 CLIP

$\frac{1}{8}$ " THICKNESS, TO BE USED IN
MIN. 2 $\frac{1}{2}$ " LENGTHS



NOTE:
WINDOW WIDTH AND HEIGHT ARE
INTERCHANGEABLE FOR ALL SIZES SHOWN
HEREIN NOT TO EXCEED MAXIMUM
QUALIFIED SQUARE FOOT AREA.



ANCHOR LAYOUT

TYPE 2 CLIP

0.062" THICKNESS, TO BE USED
CONTINUOUSLY ALONG JAMBS

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ELEVATION & ANCHOR LAYOUT

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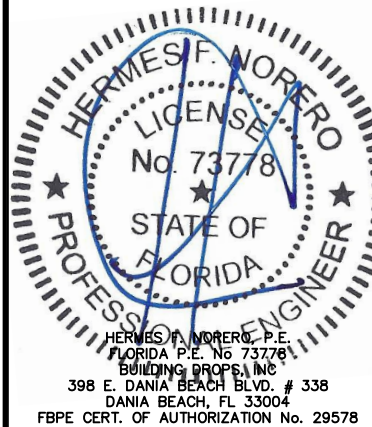


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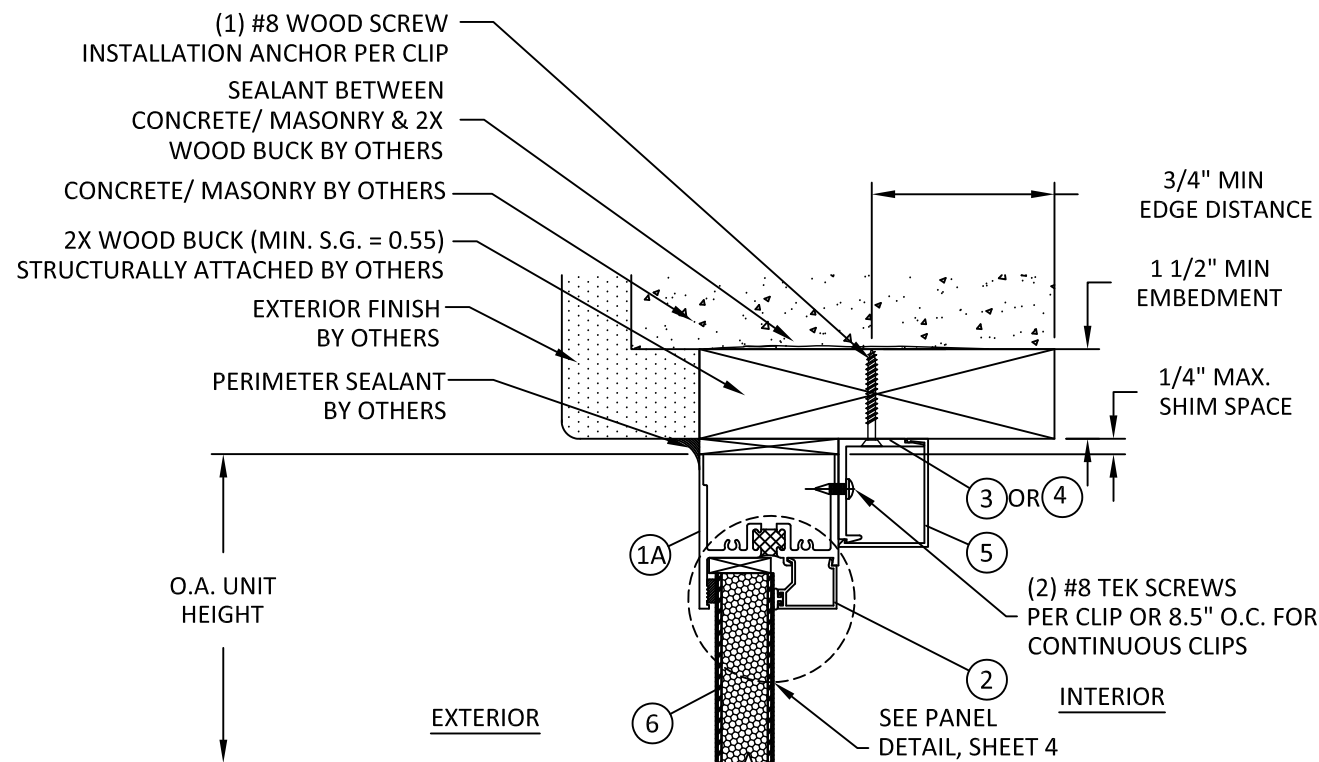
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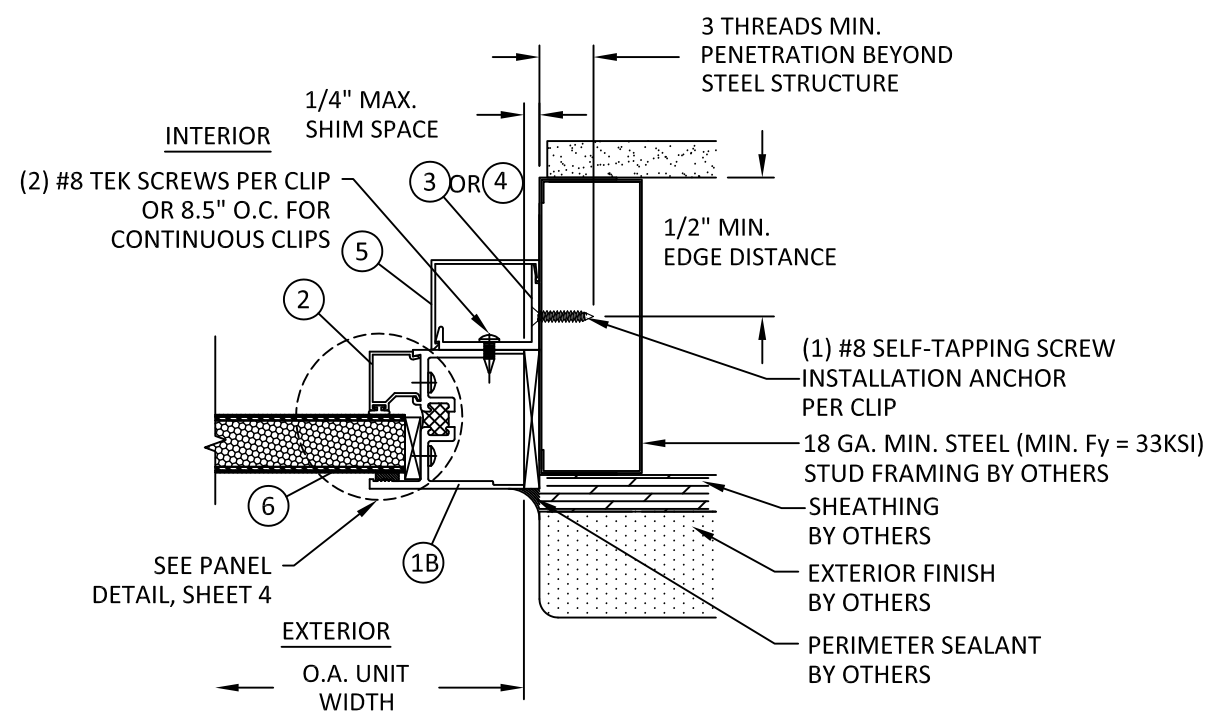
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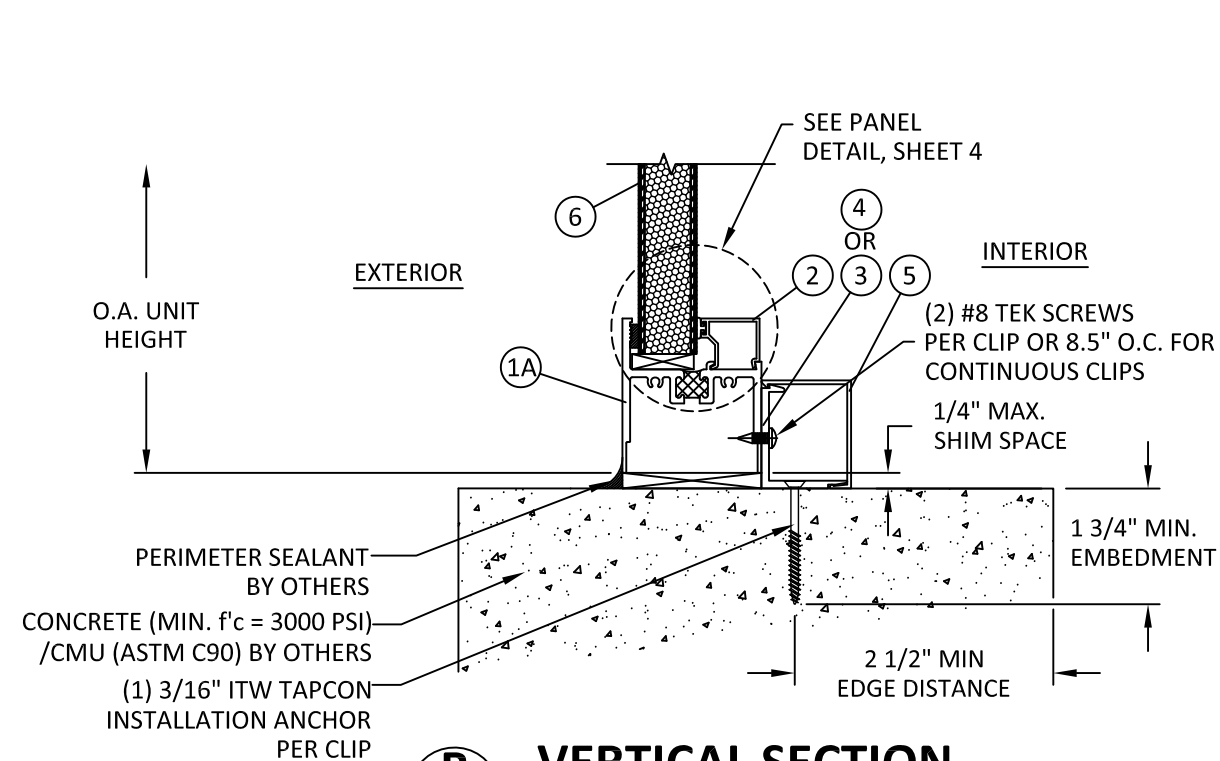
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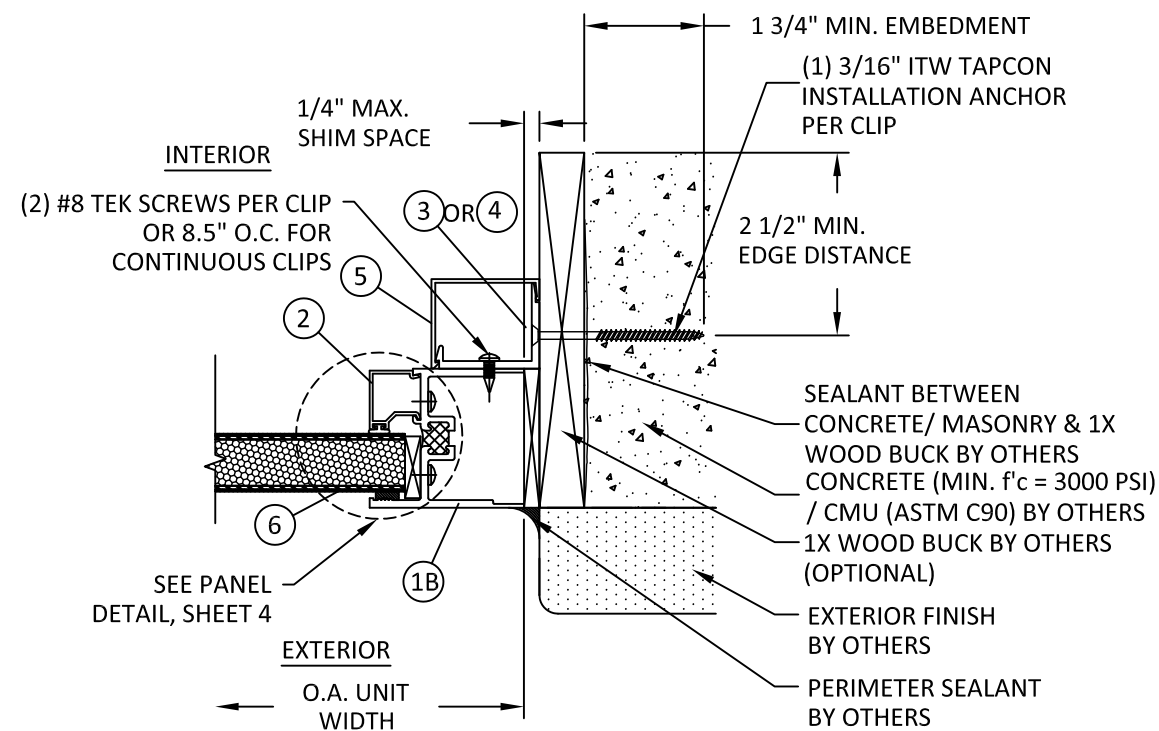
A
3 **VERTICAL SECTION**
HEAD - 2X WOOD BUCK
SEE INSTALLATION NOTE #2



C
3 **HORIZONTAL SECTION**
JAMB - STEEL STUD FRAME
SEE INSTALLATION NOTE #4



B
3 **VERTICAL SECTION**
SILL - CONCRETE/MASONRY
SEE INSTALLATION NOTE #3



D
3 **HORIZONTAL SECTION**
JAMB - 1X BUCK TO CONCRETE/MASONRY
SEE INSTALLATION NOTE #3

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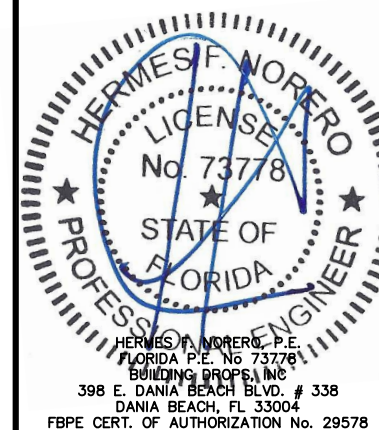
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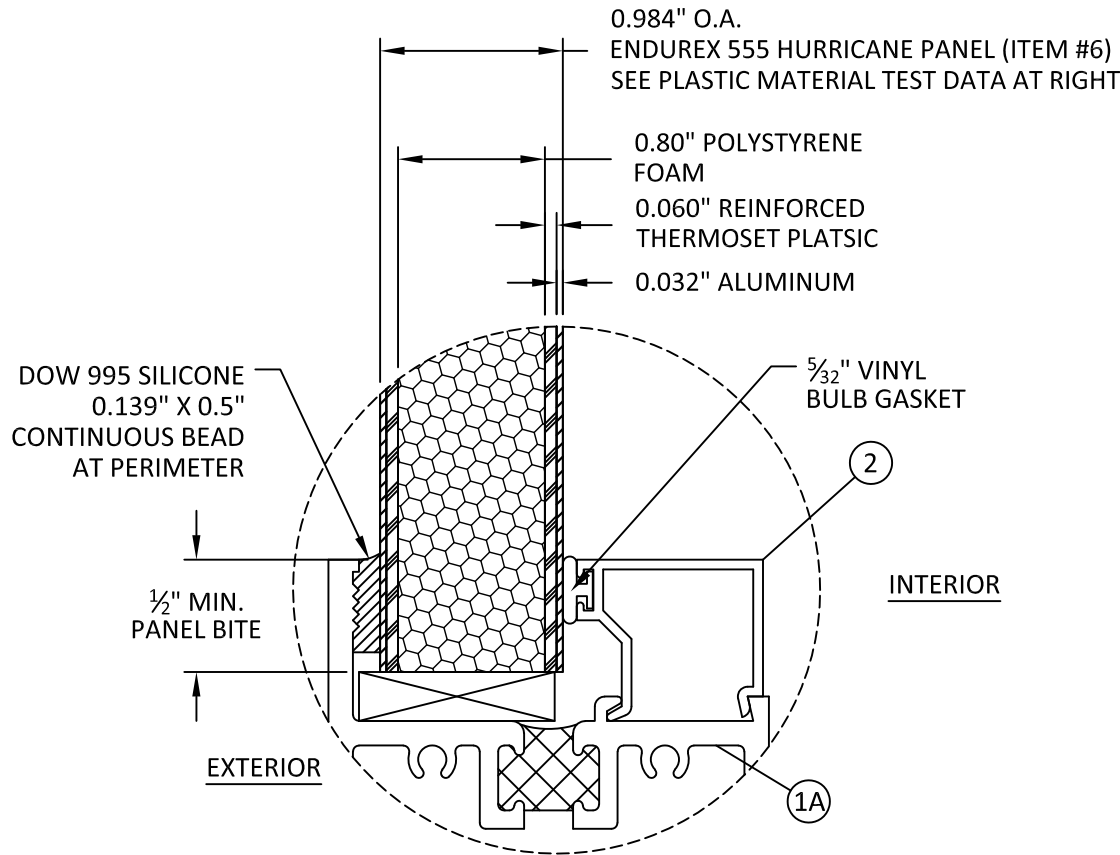
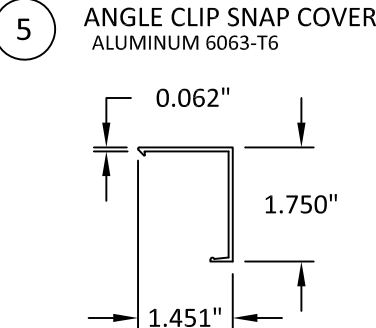
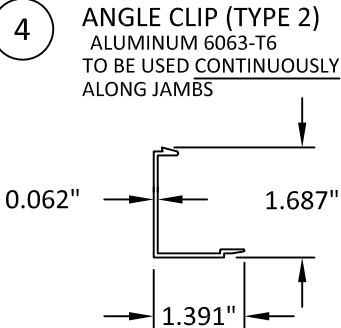
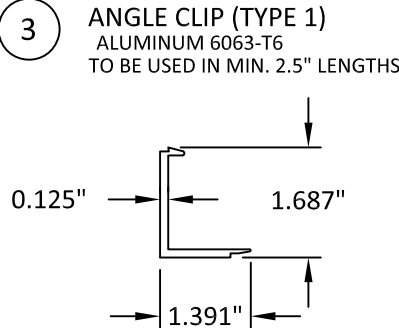
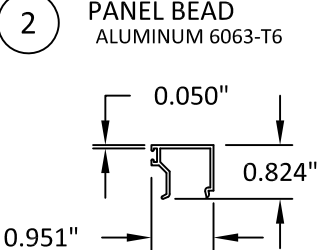
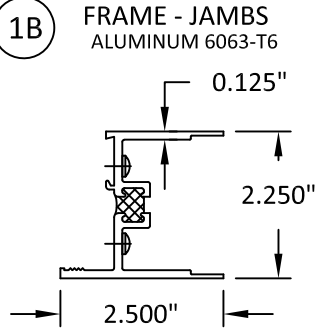
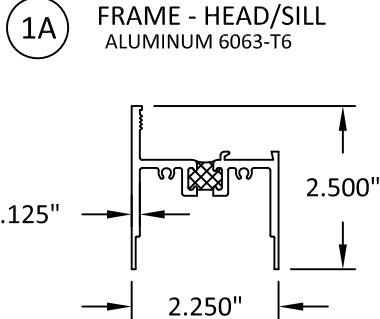
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BILL OF MATERIALS			
ITEM NO.	DESCRIPTION	MATERIAL	MANUFACTURER
1A	FRAME - HEAD/SILL	6063-T6	GRAHAM ARCHITECTURAL
1B	FRAME - JAMBS	6063-T6	GRAHAM ARCHITECTURAL
2	PANEL BEAD	6063-T6	GRAHAM ARCHITECTURAL
3	ANGLE CLIP (TYPE 1)	6063-T6	GRAHAM ARCHITECTURAL
4	ANGLE CLIP (TYPE 2)	6063-T6	GRAHAM ARCHITECTURAL
5	ANGLE CLIP SNAP COVER	6063-T6	GRAHAM ARCHITECTURAL
6	ENDUREX 555 INSULATING PANEL	COMPOSITE	NUDO



PANEL DETAIL

ENDUREX 555-HURRICANE PANEL, LP-S6-8-GRAY-KAL			
TEST		RESULT	MIAMI-DADE ACCEPTANCE CRITERIA
ASTM D638: TENSILE STRENGTH	DIRECTION 1 AVG:	23,800 PSI	N/A
	DIRECTION 2 AVG:	26,300 PSI	
	OVERALL AVERAGE:	25,100 PSI	
ASTM D1929: SELF-IGNITION TEMPRATURE		842 °F (450 °C)	> 650 °F (343 °C)
ASTM D1929: FLASH IGNITION TEMPRATURE		734 °F (390 °C)	N/A
ASTM D2843: AVERAGE SMOKE DENSITY RATING		63.6	< 75
ASTM D635: AVERAGE LINEAR RATE OF BURN		26.4 MM/MIN, CLASS CC2	CLASS CC1 OR CC2

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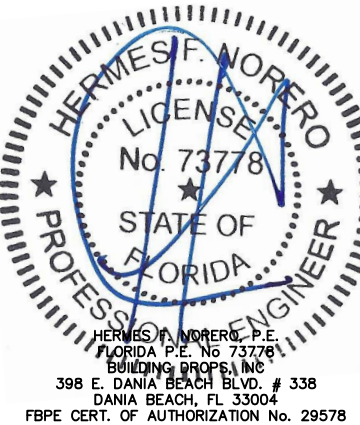
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