

s:\projects\tbs doors\tbc-19-0329.2 - fixed window and operable window.dwg\tbs005-fixed window.dwg 8/15/2022 4:02 PM

FIXED WINDOW

(HVHZ) (IMPACT)

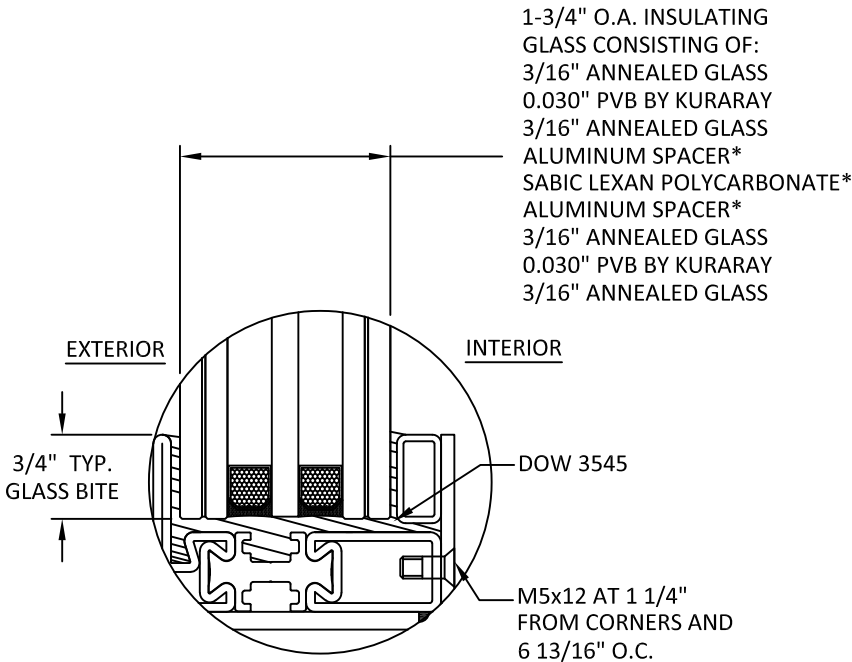
GENERAL NOTES:

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, STEEL, 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: STAINLESS STEEL

DESIGN PRESSURE RATING			
FRAME SIZE	CONFIGURATION	DESIGN PRESSURE	MISSILE IMPACT RATING
75 19/32" x 114 31/32"	"O"	+70/-70 PSF	LARGE & SMALL MISSILE IMPACT
146 1/2" x 114 15/16"	"O - O"	+70/-70 PSF	

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5	INSTALLATION DETAILS & NOTES

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



GLAZING DETAIL 1

- *NOTES:
- SABIC LEXAN POLYCARBONATE ALLOWABLE THICKNESS: 6MM, 10MM, 12MM, OR 15MM
 - ALUMINUM SPACER SIZE VARIES PER POLYCARBONATE THICKNESS



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TITLE:
FIXED WINDOW
(HVHZ)/(IMPACT)
GENERAL NOTES, DESIGN
PRESSURE TABLE, & GLAZING
DETAILS

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BUILDING DROPS

REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2022.08.25 18:46:21 -04'00'

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FBPE CERT. OF AUTHORIZATION No. 29578

FL41439

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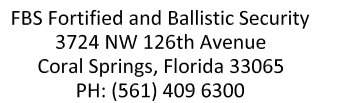
SCALE: NTS

DWG. #: FBS005

SHEET:

1

OF 5



ELEVATION & ANCHOR LAYOUTS

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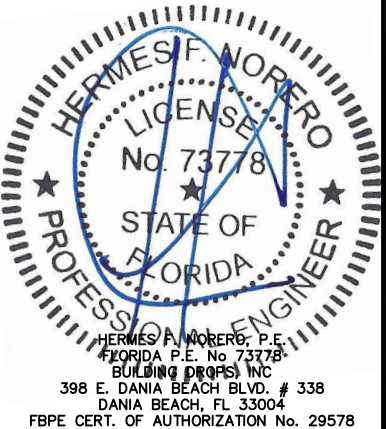
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SHEET:

2

DF 5

Technical drawing of a rectangular panel, likely a window or door, showing dimensions and labels.

Dimensions and Labels:

- Top Left: $7 \frac{13}{16}"$ FROM CORNERS
- Top Right: $16 \frac{1}{8}"$ MAX. O.C.
- Right Side (Top): $8 \frac{1}{4}"$ FROM CORNER
- Right Side (Bottom): $12 \frac{13}{16}"$ MAX. O.C.
- Center: "O"

The drawing includes a double-line border and diagonal hatching in the top-left and bottom-right corners.

Technical drawing of a rectangular panel, likely a window or door, showing dimensions and labels.

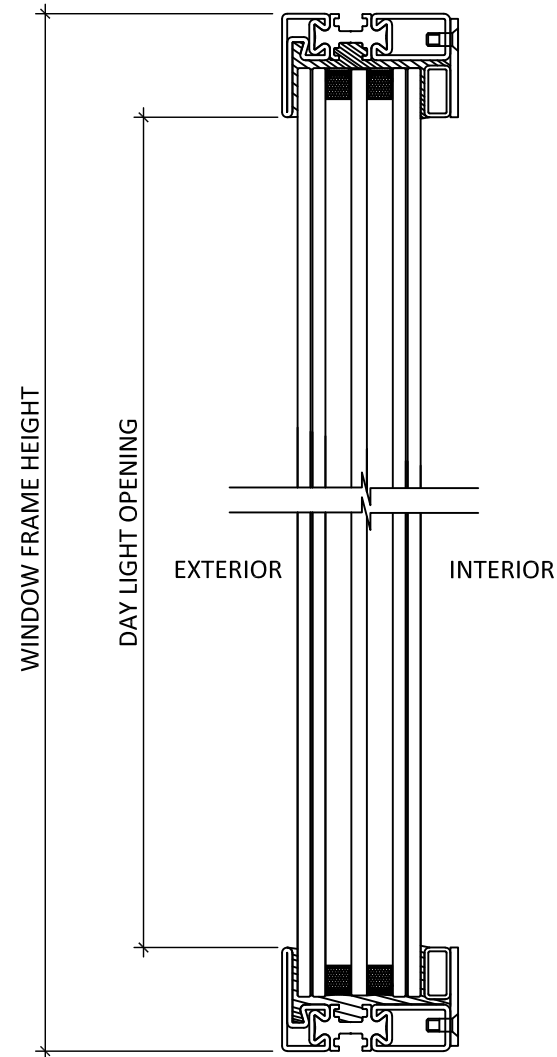
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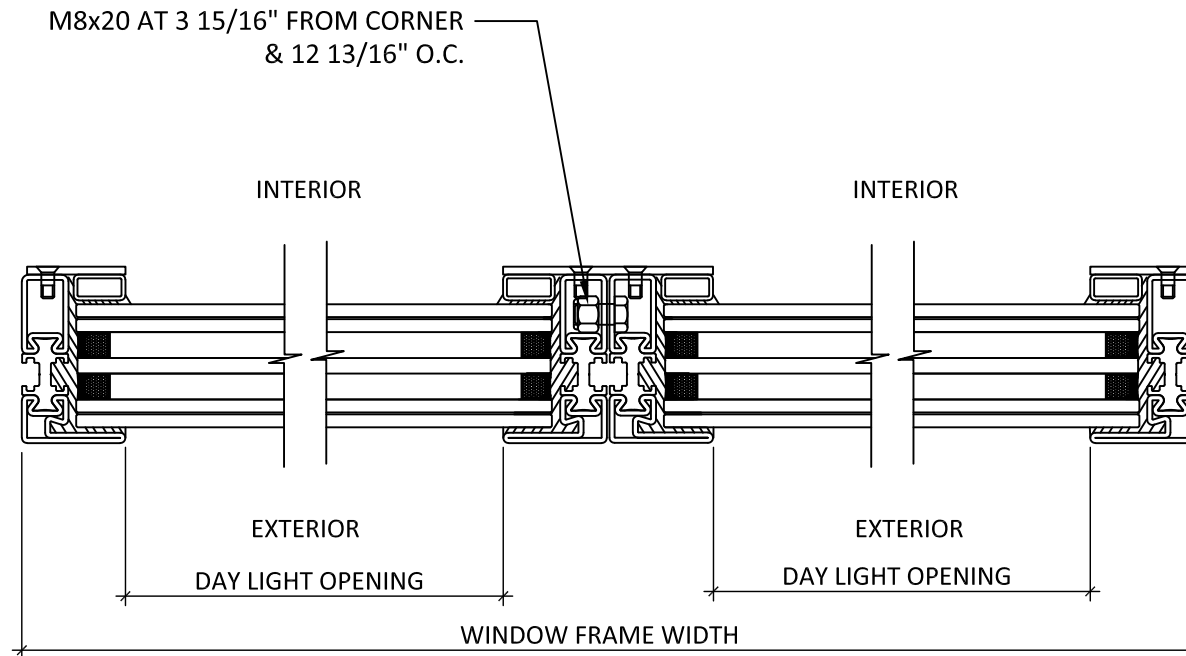
The drawing includes a rectangular frame with a central area labeled "O". The frame is defined by multiple lines, and the dimensions are indicated by arrows and text labels.

OF 5

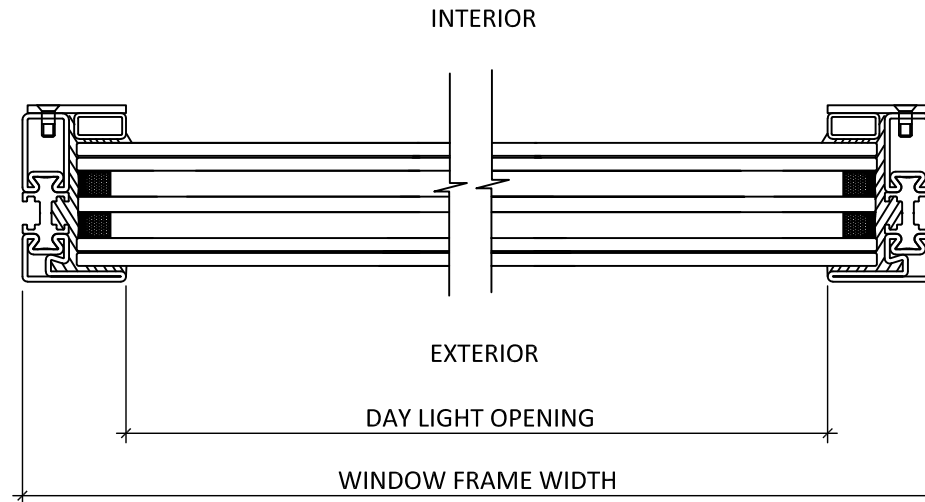
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A
4 **VERTICAL SECTION**
HEAD - SILL FIXED WINDOW



B
4 **HORIZONTAL SECTION**
JAMB - MULLION - JAMB FIXED WINDOW



C
4 **HORIZONTAL SECTION**
JAMB - JAMB FIXED WINDOW



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TITLE: **FIXED WINDOW (HVHZ)(IMPACT)**

VERTICAL & HORIZONTAL SECTIONS

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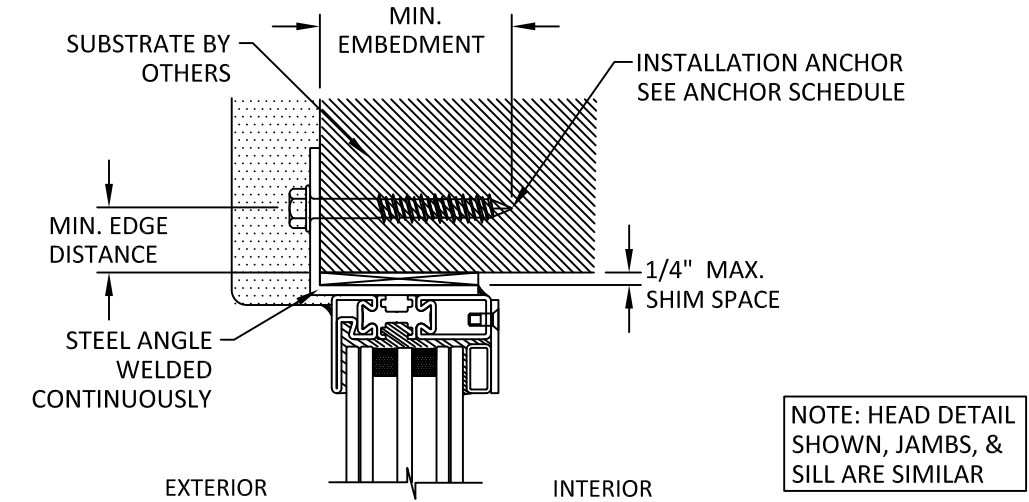
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DWG. #: FBS005	
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OF 5

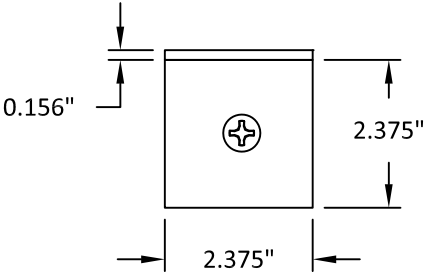
INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN UNLESS OTHERWISE NOTED.
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). MAX. 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.
9. 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.

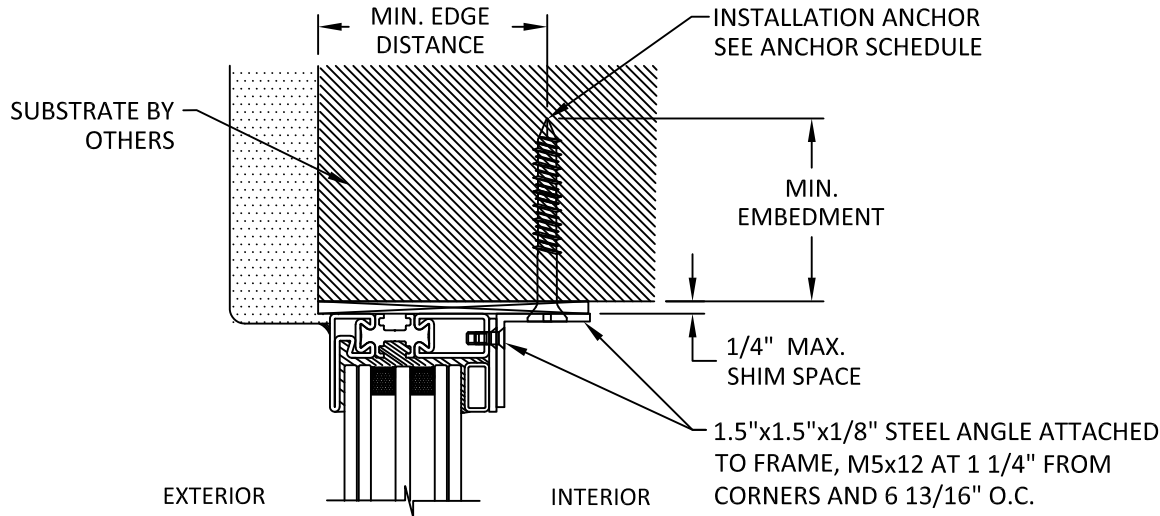
ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE
BRACKET MOUNTING	WOOD: MIN. SG = 0.55	5/16" WOOD LAG SCREW	1.5"	0.75"
	METAL: 16 GAUGE Steel, MIN. Fy = 33KSI	5/16" GR. 5 SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.75"
ANGLE MOUNTING	WOOD: MIN. SG = 0.55	5/16" WOOD LAG SCREW	1.5"	0.75"
	CONCRETE: MIN. F'C = 3000 PSI	5/16" FH ELCO ULTRACON	1.75"	2.5"
	GROUT FILLED MASONRY: CMU per ASTM C90 MIN. 2000 PSI	5/16" FH ELCO ULTRACON	1.75"	2.5"
	METAL: 16 GAUGE Steel, MIN. Fy = 33KSI	5/16" FH GR. 5 SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.75"



A
5 **VERTICAL SECTION**
HEAD - BRACKET MOUNTING INSTALLATION



BRACKET MOUNTING DETAIL



B
5 **VERTICAL SECTION**
HEAD - ANGLE MOUNTING INSTALLATION



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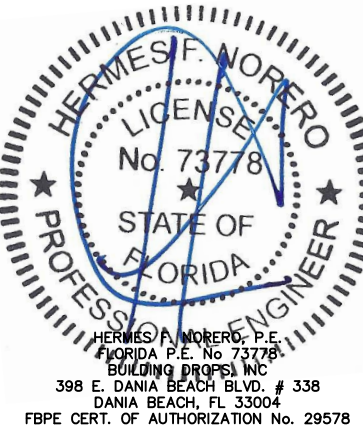
INSTALLATION DETAILS & NOTES

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