

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.
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. FOR INSTALLATION INTO WOOD FRAMING USE #12 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
6. FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE) 1/4 INCH DIAMETER ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
7. FOR INSTALLATION INTO STEEL STUD USE #12 SELF TAPPING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND STEEL FRAME SUBSTRATE.
8. FOR MULLION CLIP INSTALLATION INTO WOOD FRAMING USE SIX (6) #14 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
9. FOR MULLION CLIP INSTALLATION THROUGH 1X BUCK TO CONCRETE, OR DIRECTLY INTO CONCRETE, USE SIX (6) 1/4 INCH DIAMETER ELCO ULTRACONS OF SUFFICIENT LENGTH TO ACHIEVE 1 3/4 INCH MINIMUM EMBEDMENT.
- 10.FOR MULLION CLIP INSTALLATION THROUGH 1X BUCK TO MASONRY (GROUT FILLED CMU), OR DIRECTLY INTO MASONRY, USE FOUR (4) 1/4 INCH DIAMETER HILTI KWIK BOLT 3 ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE 2 INCH MINIMUM EMBEDMENT AND 4" EDGE DISTANCE.
- 11.FOR MULLION CLIP INSTALLATION INTO STEEL STUD USE SIX (6) #14 SELF TAPPING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND STEEL FRAME SUBSTRATE.
- 12.MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- 13.INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING:

FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).

CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).
- 14.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.
- 15.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.
- 16.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.

MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, 2000 PSI COMPRESSIVE STRENGTH.

STEEL - MINIMUM 18 GAUGE, MINIMUM YIELD STRENGTH OF 33 KSI

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.

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 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.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. WINDOW FRAME MATERIAL: MAHOGANY
7. THE MINIMUM SPECIFIC GRAVITY OF TRUE MAHOGANY SHALL BE G=0.45 OR THE SPECIFIC GRAVITY OF ANY NATURALLY DURABLE WOOD G>0.45 AND WITH THE MINIMUM GRADE 2 IN ACCORDANCE WITH CHAPTER CURRENT THE FLORIDA BUILDING CODE .
8. ALL WOOD PRODUCTS SHALL NOT BE IN DIRECT CONTACT WITH THE SUBSTRATES, I.E. CONCRETE, MASONRY, REINFORCED CMU, ETC., USING "WOLMAN EHT" WATER REPELLANT PRESERVATIVE AS MANUFACTURED BY ZINSSER CO. INC OR EQUIVALENT COMPLYING WITH THE FLORIDA BUILDING CODE.
9. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 8 FOR GLAZING DETAILS.

CAOBA DOORS

ALUMINUM CLAD MAHOGANY DIRECT SET WINDOW (HVHZ)(IMPACT)

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6	GLAZING DETAILS AND MULLION CLIP DETAIL
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DESIGN PRESSURE RATING				
GLAZE TYPE	MAX SIZE	CONFIG.	DESIGN PRESSURE	MISSILE IMPACT RATING
1 OR 2	60" x 96"	O	+70/-70 PSF	SMALL AND LARGE MISSILE IMPACT RATED
1 OR 2	120.375" x 96"	O/O*		
3 OR 4	60" x 120"	O* (SHAPES)		
3 OR 4	60" x 120"	O	+100/-100 PSF	
3 OR 4	122.25" x 120"	O/O*		

*NOTE: SEE SHEET 3 FOR MULLED CONFIGURATION REQUIREMENTS AND QUALIFIED SHAPES



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TITLE:
ALUMINUM CLAD MAHOGANY
DIRECT SET WINDOW
(HVHZ) (IMPACT)
INSTALLATION & GENERAL NOTES

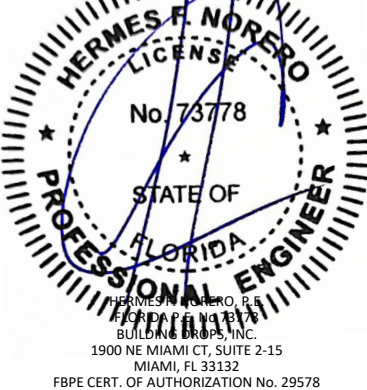
PREPARED BY:
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REMARKS	BY	DATE
2026 FBC UPDATE	LS	07/26

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Reason: I am approving this document
Date: 2026.08.11 15:54:07 -03'00'



FL #:
FL17587

DATE:
11.04.20

DWG. BY:
RV

CHK. BY:
HFN

SCALE:
NTS

DWG. #:
CAB042

SHEET:
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ELEVATIONS & ANCHOR LAYOUTS

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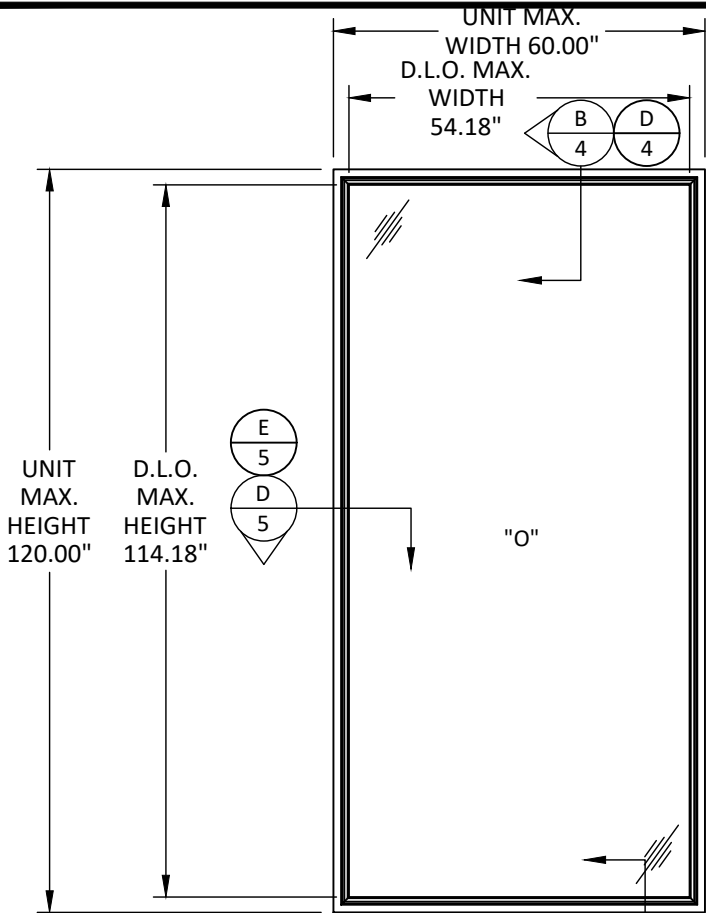
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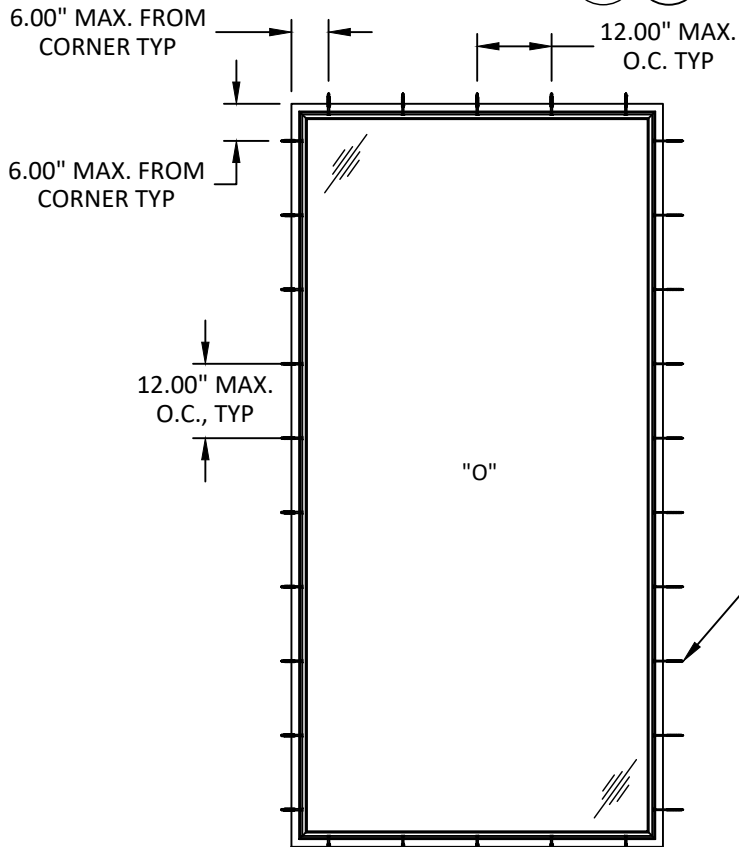
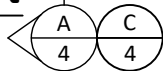


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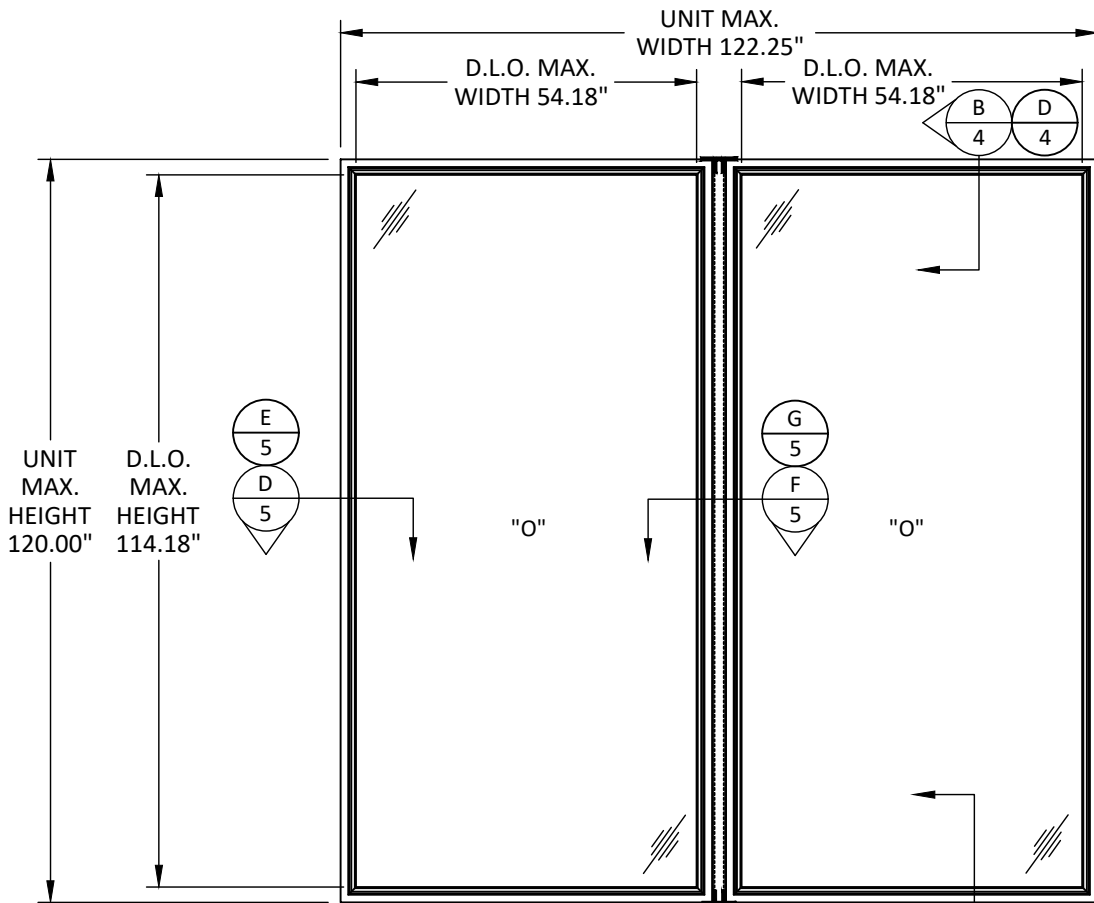
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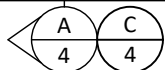
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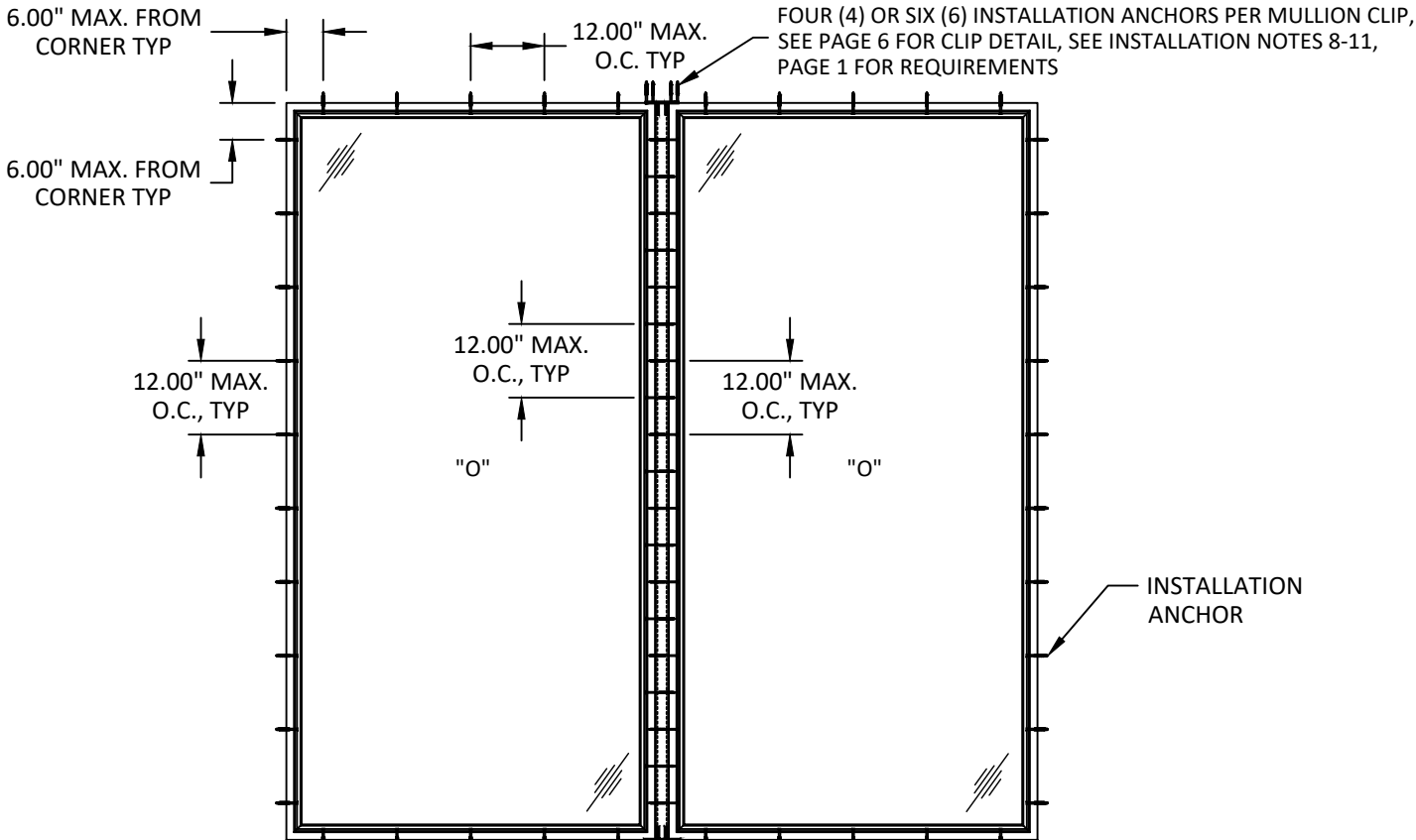
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ELEVATION



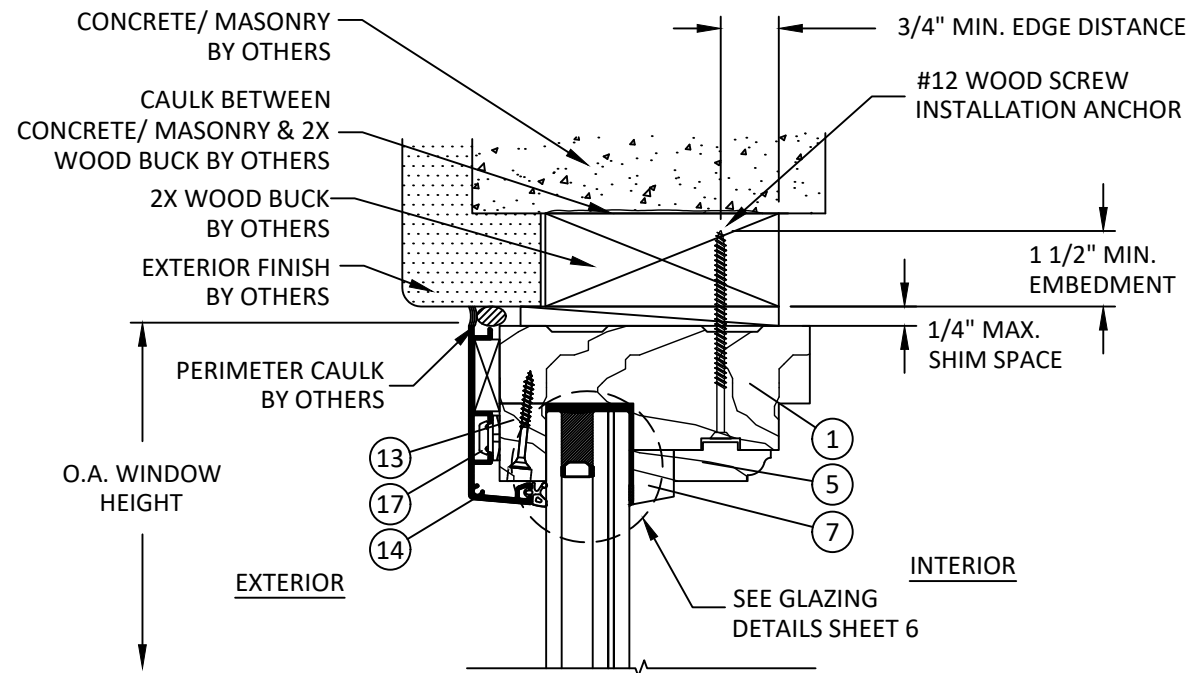
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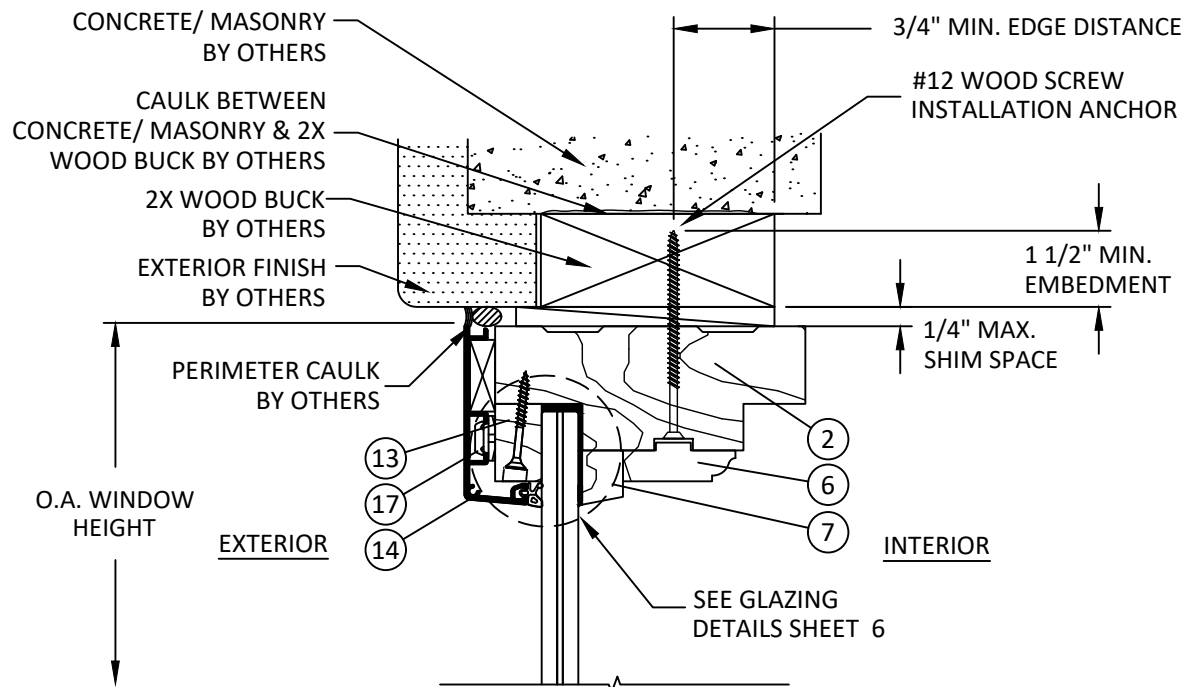
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1/4" x 2" x 5" ALUMINUM TUBE MULLION

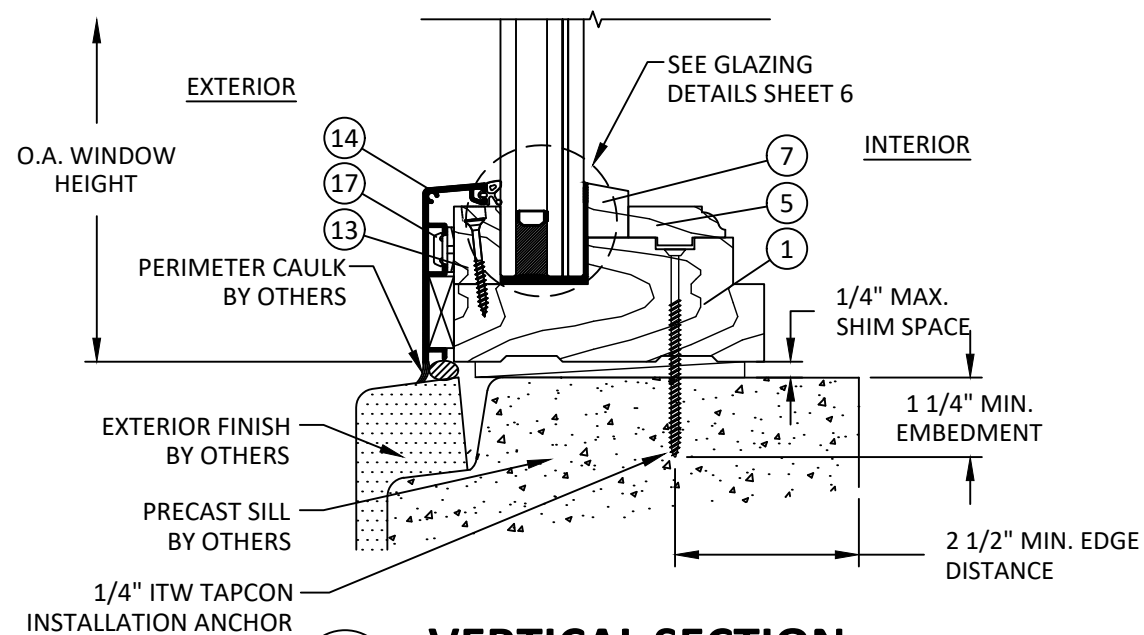
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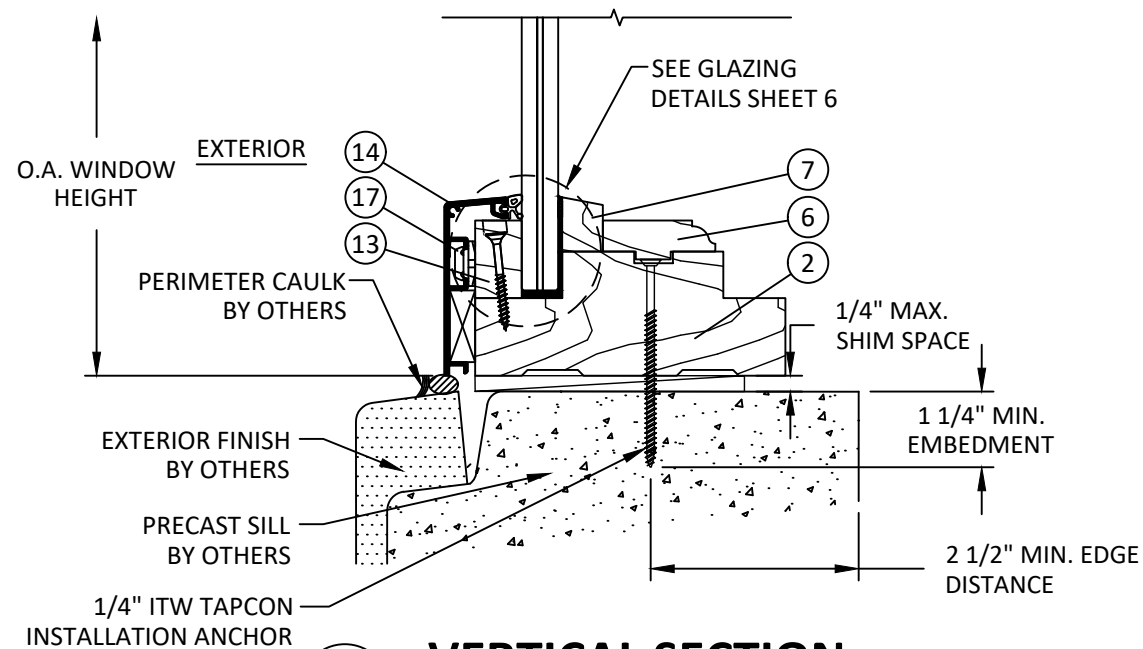
B
4 VERTICAL SECTION
HEAD I.G. - 2X WOOD BUCK



D
4 VERTICAL SECTION
HEAD MONO. - 2X WOOD BUCK



A
4 VERTICAL SECTION
SILL I.G. - CONCRETE/MASONRY
PRE-CAST SILL



C
4 VERTICAL SECTION
SILL MONO. - CONCRETE/MASONRY
PRE-CAST SILL



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(HVHZ) (IMPACT)
VERTICAL SECTIONS

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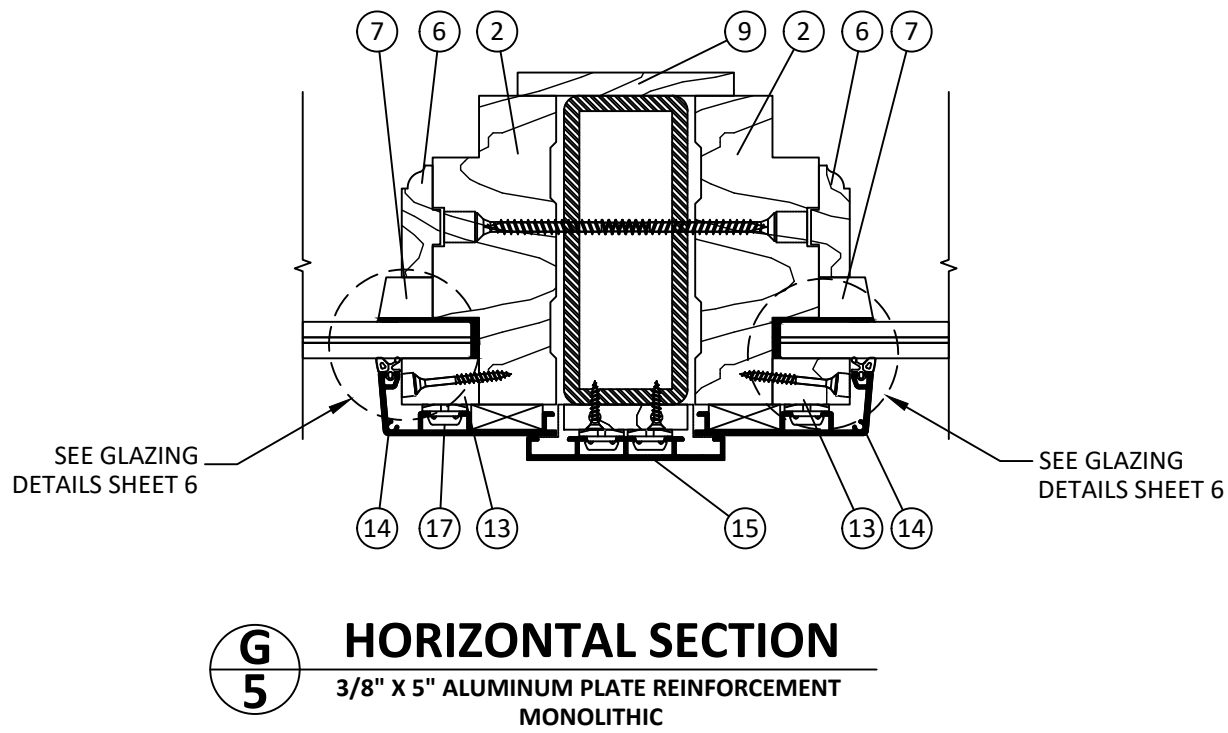
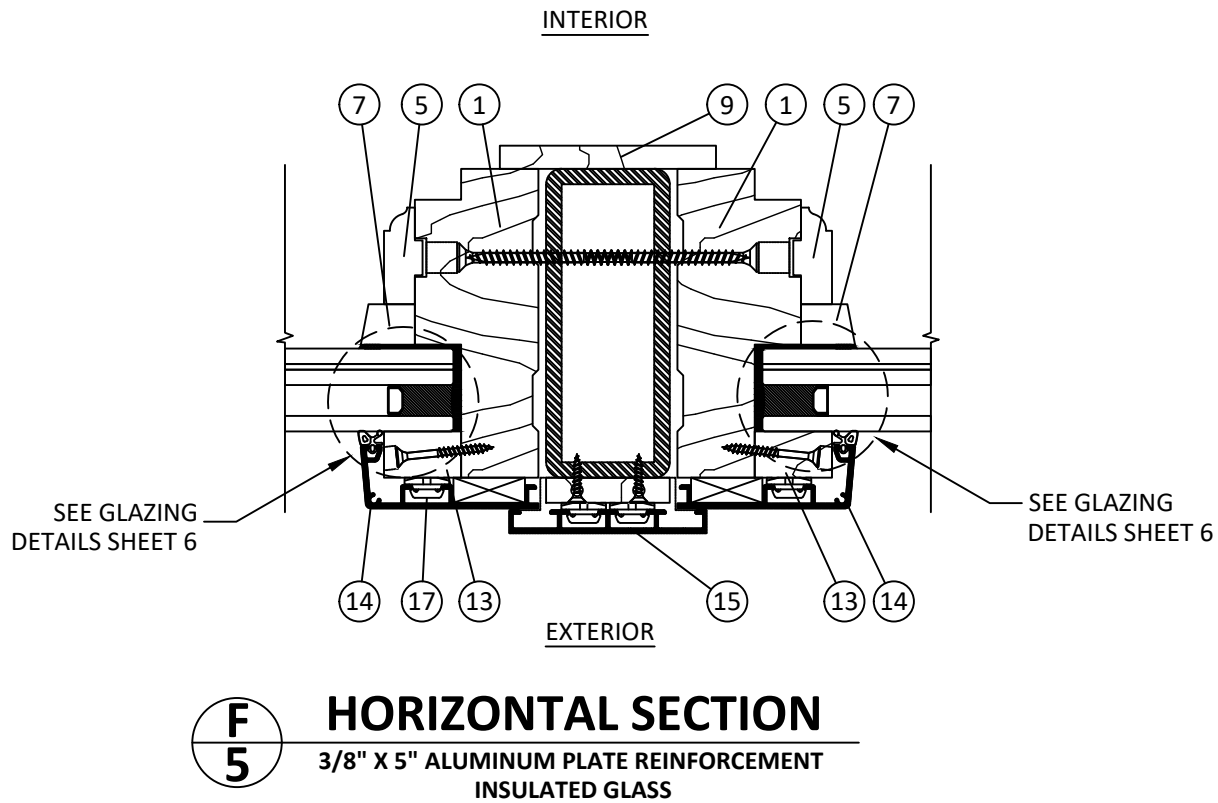
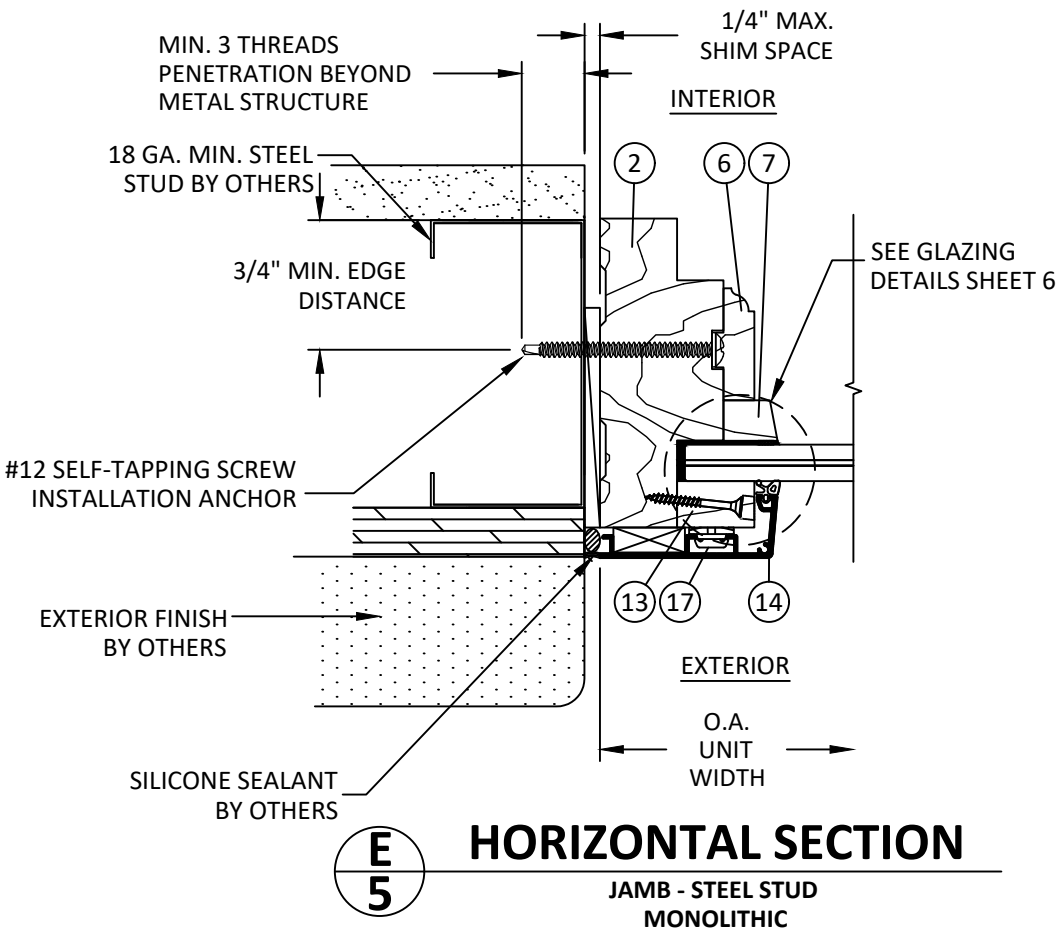
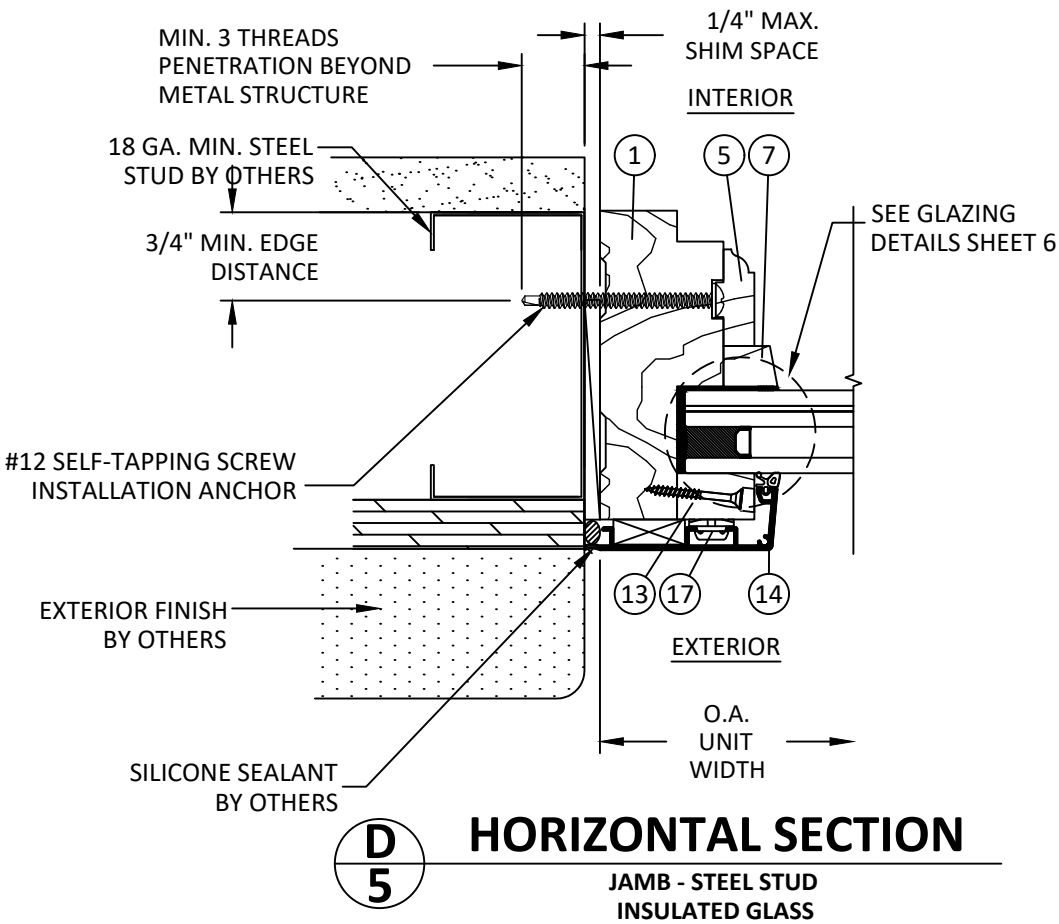
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FL #:	FL17587
DATE:	11.04.20
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CHK. BY:	HFN
SCALE:	NTS
DWG. #:	CAB042
SHEET:	4
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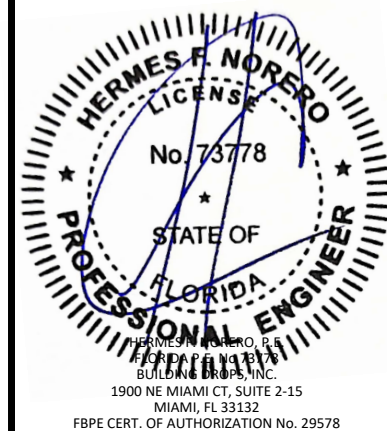
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HORIZONTAL SECTIONS

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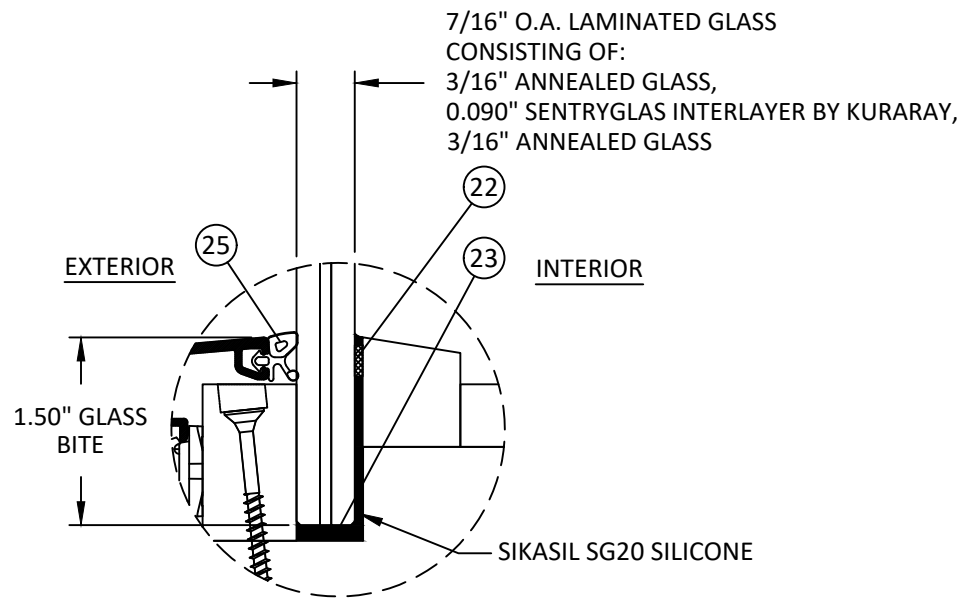
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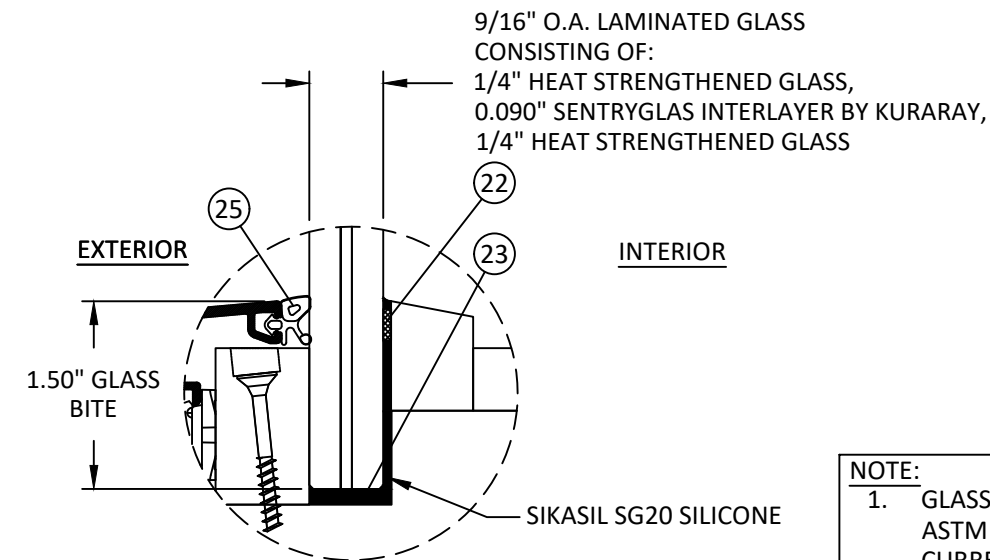


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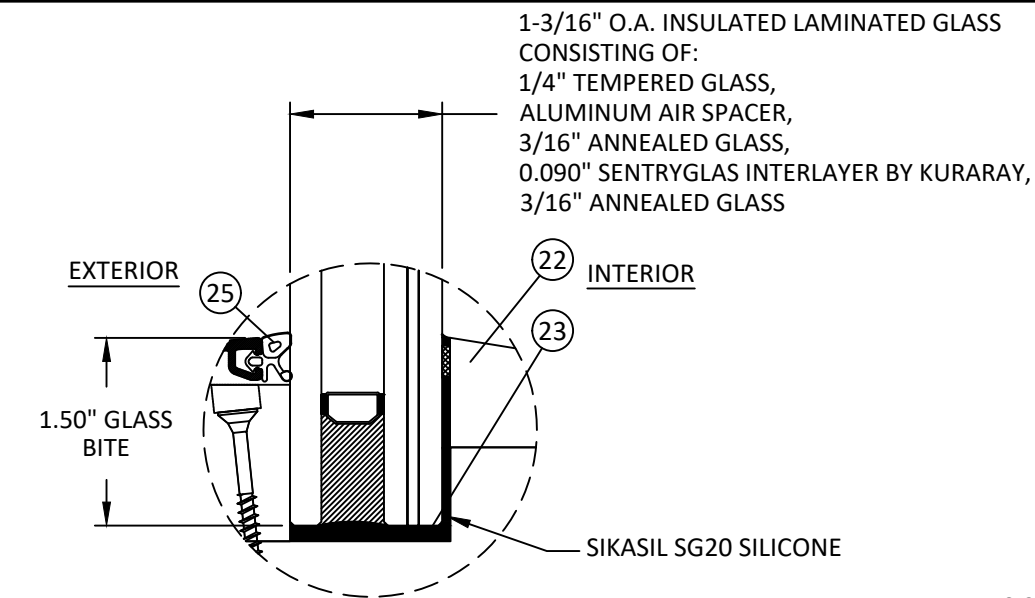
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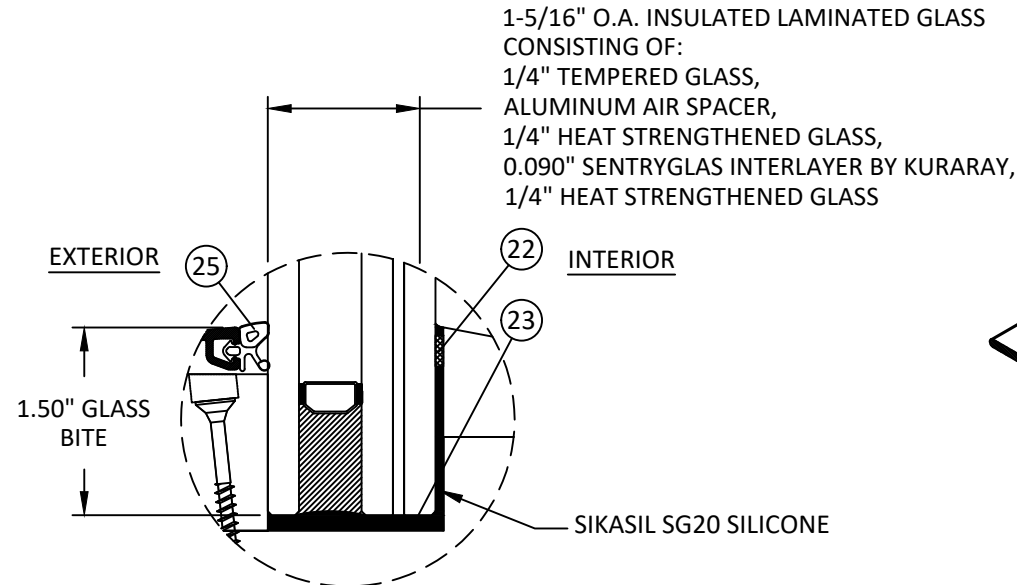
GLAZING DETAIL 1



GLAZING DETAIL 3

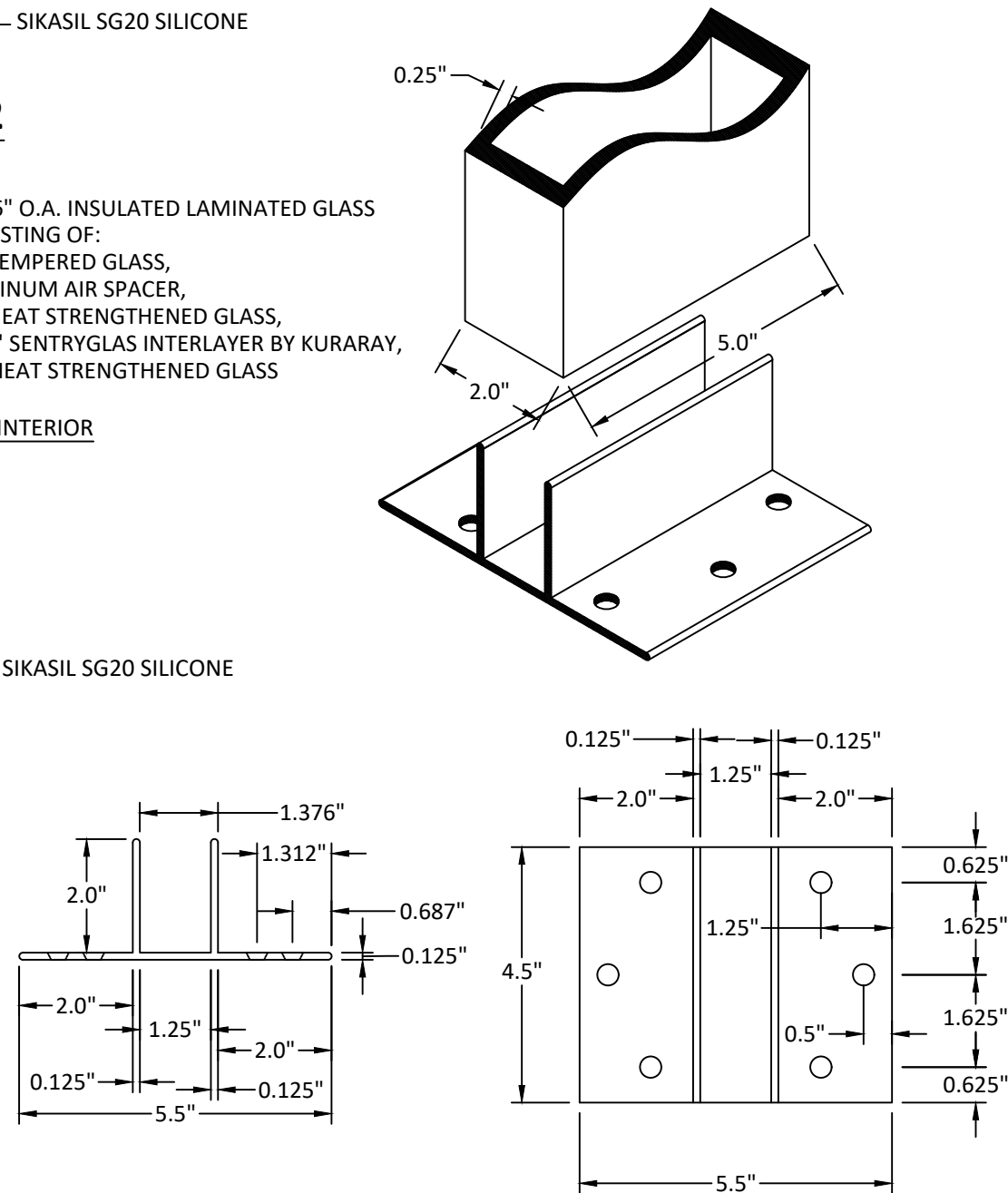


GLAZING DETAIL 2



GLAZING DETAIL 4

- NOTE:
1. GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300 (3 SEC. GUSTS) AND CHAPTER 17 OF THE CURRENT FBC FOR SIZES OTHER THAN TESTED.
 2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN CHAPTER 24.
 3. SETING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER CHAPTER 24.
 4. D.L.O. MAY NOT EXCEED MAX DIMENSIONS IN GLASS CHARTS FOR GLASS TYPE.



MULLION CLIP DETAIL

SEE INSTALLATION NOTES 8-11,
PAGE 1, FOR MULLION CLIP
ANCHORING REQUIREMENTS.

caoba[®]
DOORS

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DIRECT SET WINDOW
(HVHZ) (IMPACT)
GLAZING DETAILS AND
MULLION CLIP DETAIL

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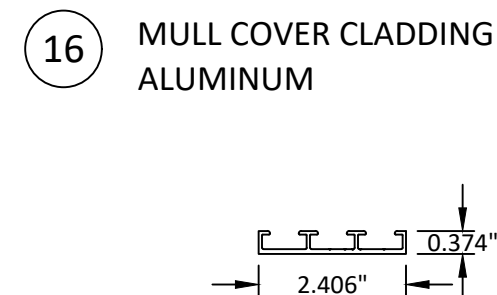
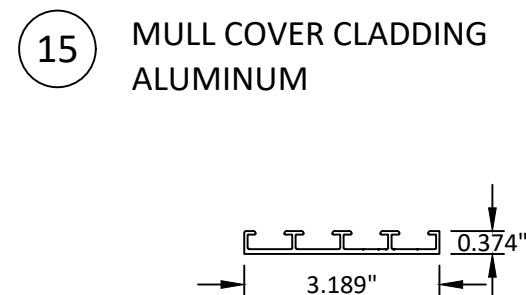
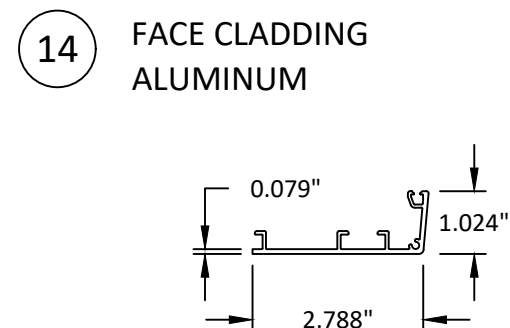
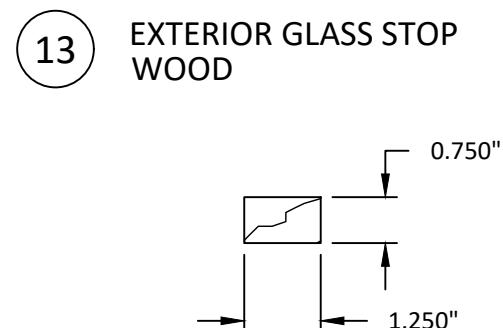
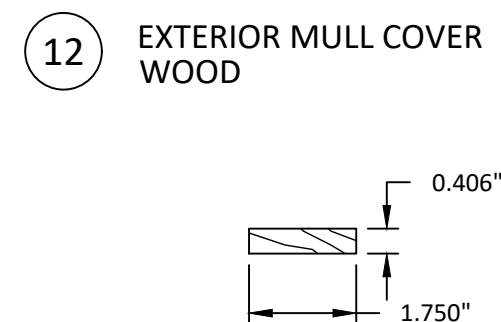
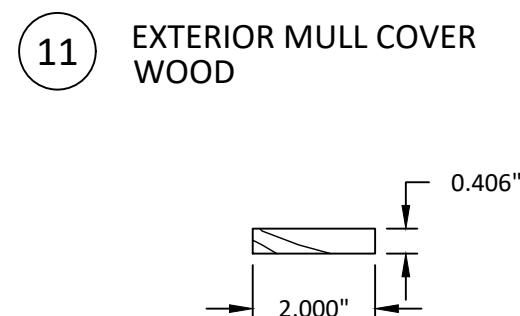
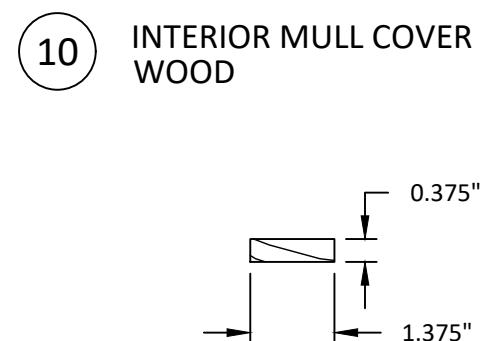
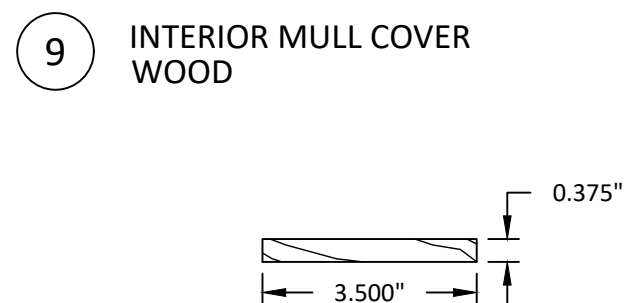
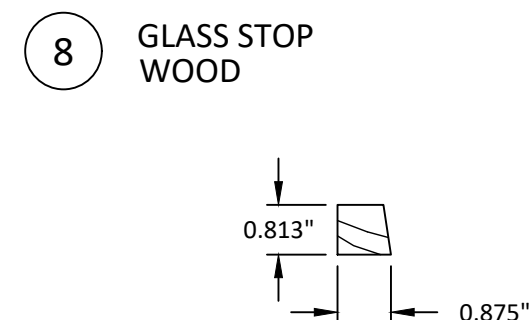
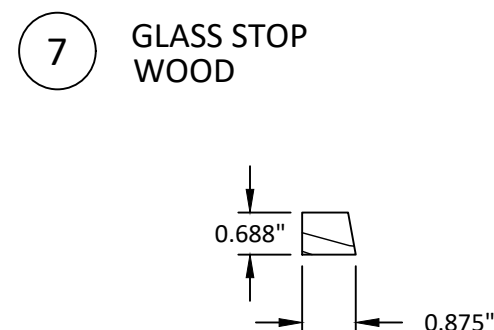
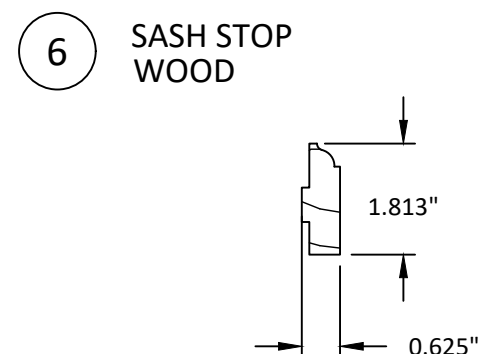
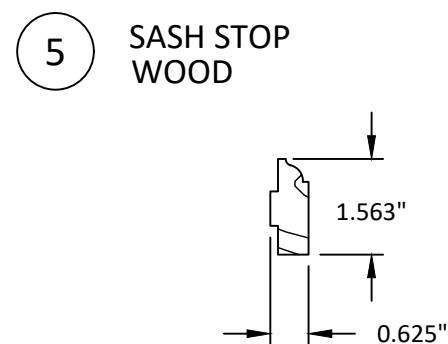
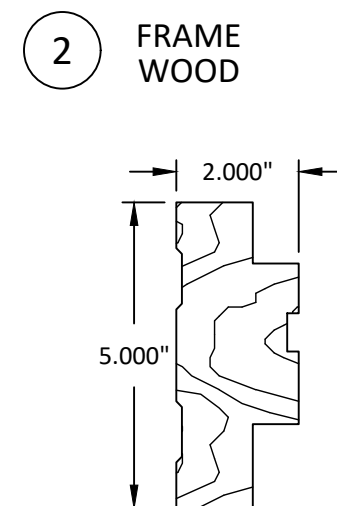
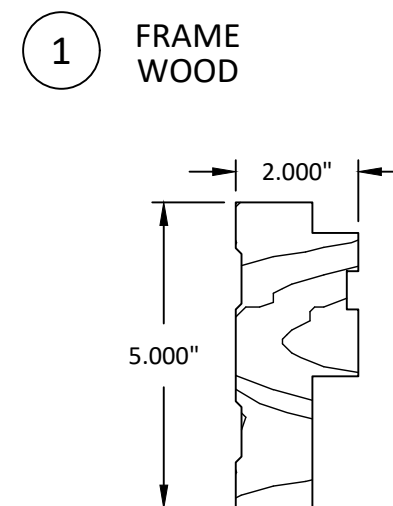
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SHEET:	6

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A

BILL OF MATERIALS				
ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER	MATERIAL
1	---	FRAME	CAOBA DOORS	WOOD
2	---	FRAME	CAOBA DOORS	WOOD
5	---	SASH STOP	CAOBA DOORS	WOOD
6	---	SASH STOP	CAOBA DOORS	WOOD
7	---	GLASS STOP	CAOBA DOORS	WOOD
8	---	GLASS STOP	CAOBA DOORS	WOOD
9	---	INTERIOR MULL COVER	CAOBA DOORS	WOOD
10	---	INTERIOR MULL COVER	CAOBA DOORS	WOOD
11	---	EXTERIOR MULL COVER	CAOBA DOORS	WOOD
12	---	EXTERIOR MULL COVER	CAOBA DOORS	WOOD
13	---	EXTERIOR GLASS STOP	CAOBA DOORS	WOOD
14	SIM001	FRAME FACE CLADDING	EXTRALUM	ALUMINUM
15	SD1001	MULL COVER CLADDING	METALS DEPOT	ALUMINUM
16	SD1001	MULL COVER CLADDING	EXTRALUM	ALUMINUM
17	---	CLAD CLIP	PLASTIKA S.A.	PLASTIC
22	AWT3	$\frac{1}{4}$ " X $\frac{1}{16}$ " GLAZING TAPE	ARLON	TAPE
23	SG-20	SILICON SEALANT	SIKAFLEX	SILICONE
24	WS-305	SILICON SEALANT	SIKAFLEX	SILICONE
25	K 2031	CLAD WEATHERSEAL	TRELLEBORG	TSP-FOAM



4918 CEDAR AVENUE
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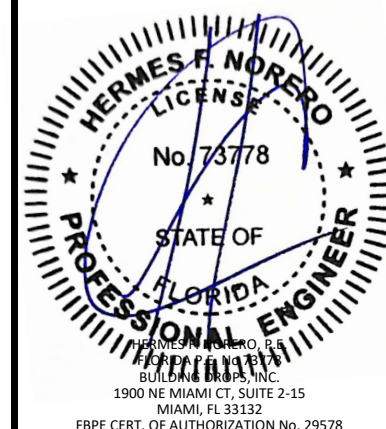
TITLE: ALUMINUM CLAD MAHOAGANY
DIRECT SET WINDOW
(HVHZ) (IMPACT)
COMPONENTS & B.O.M

PREPARED BY:

BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
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FAX: (954) 744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
2026 FBC UPDATE	LS	07/26/2025

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 #: **FL17587**

DATE: 11.04.20

DWG. BY: RV	CHK. BY: HFN
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SCALE: NTS

DWG. #: CAB042

SHEET:	REV.
7	