

FL

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FL 13597.1

**ENGINEERING
EXPRESS®**

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SERIES 1800 ALUMINUM STOREFRONT
FLORIDA BUILDING CODE EIGHTH EDITION (2023))
FLORIDA STATEWIDE APPROVAL (FSA E1 #1 3597 1)

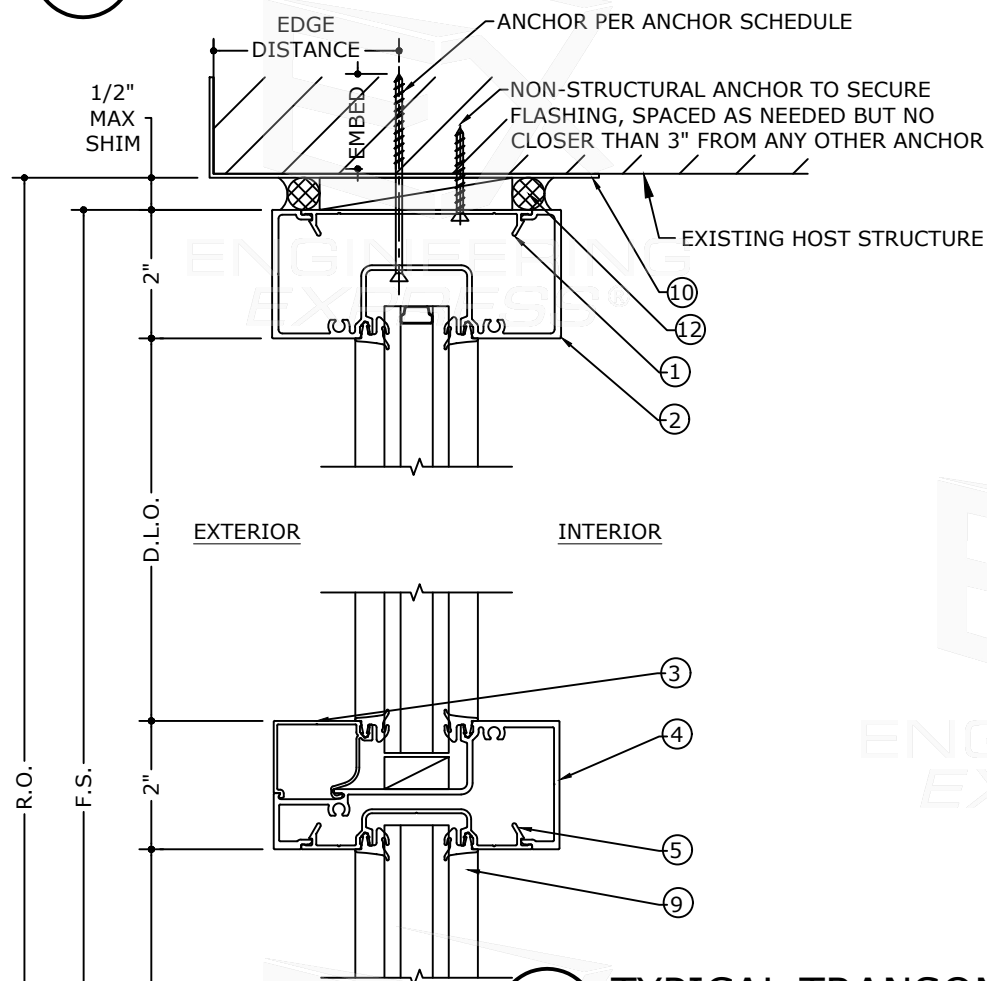
REMARKS	DRWN	CHKD	DATE
FBC 2020 (21-38279)	JEM	AJP	03/15/21
FBC 2023	*	RS	08/09/23
-	*	*	*
-	*	*	*
-	*	*	*

23-63475

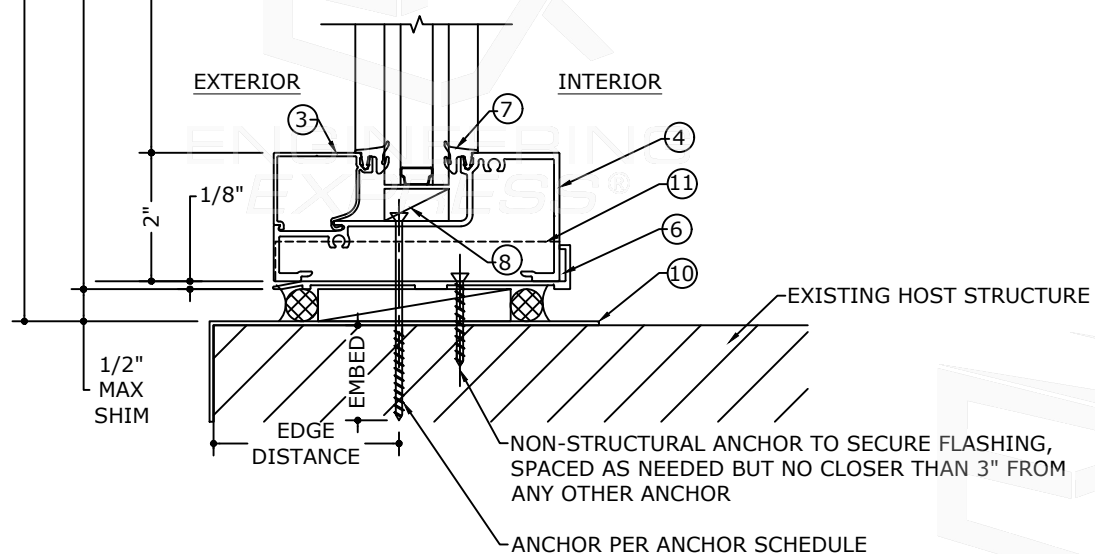
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0203

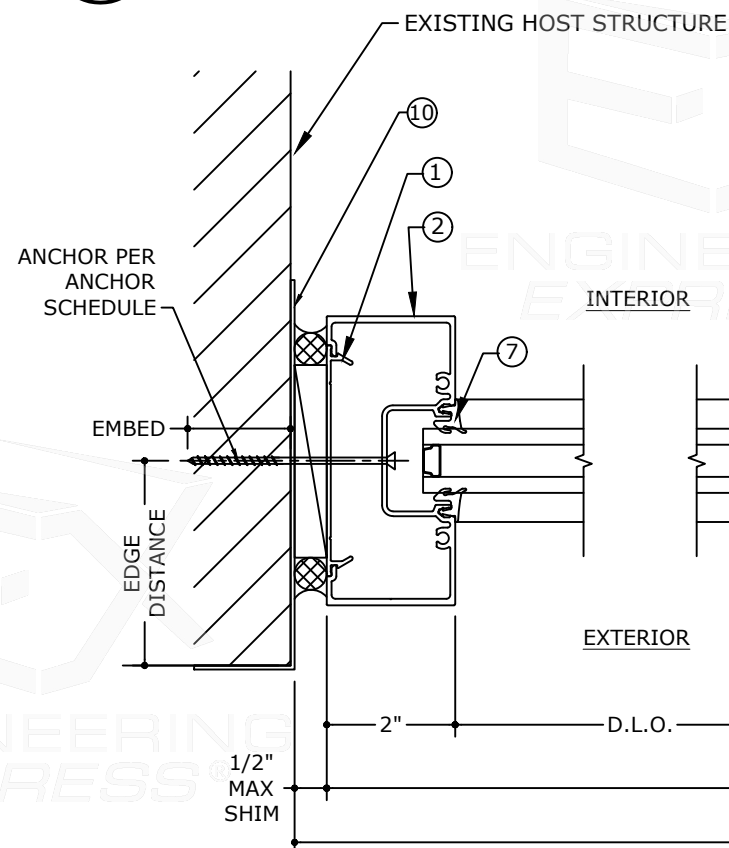
4" = 1'-0" VERTICAL SECTION



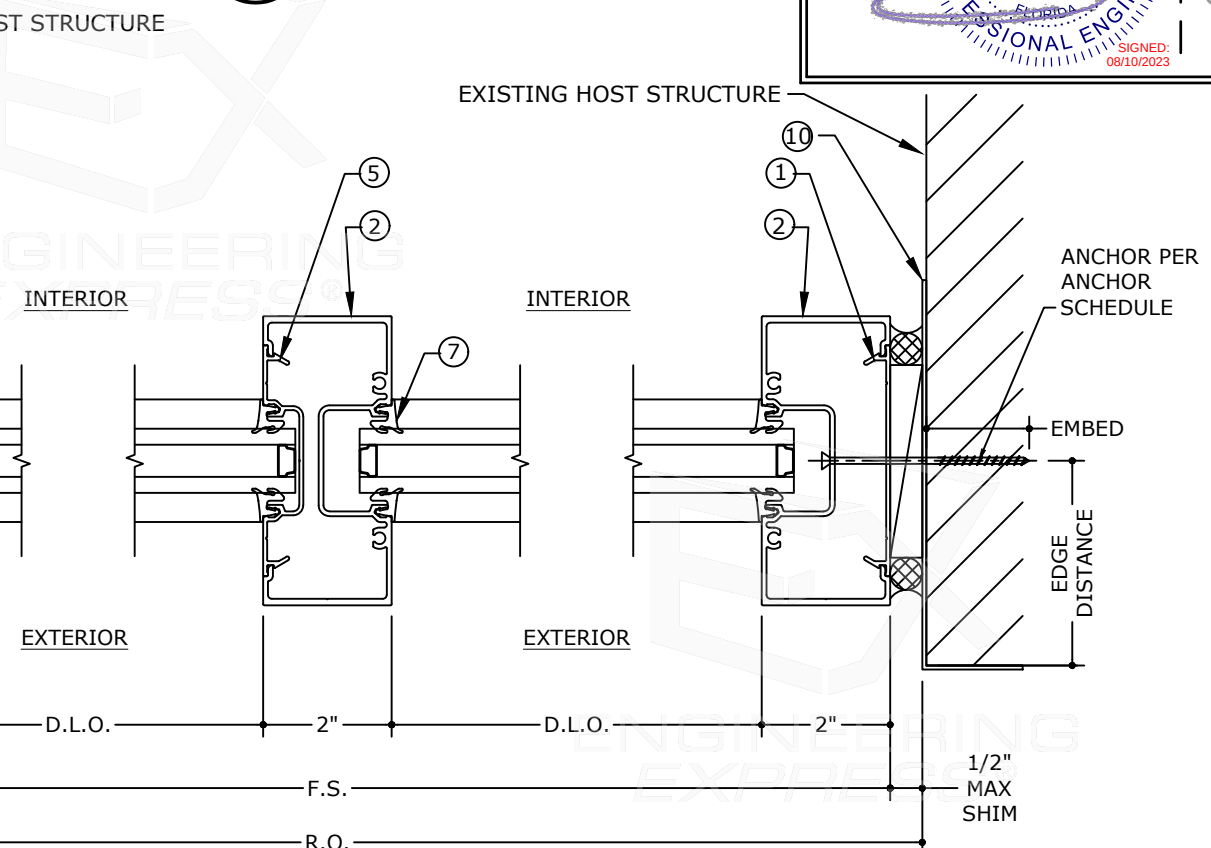
4" = 1'-0" VERTICAL SECTION


$$4'' = 1'-0''$$

4" = 1'-0" HORIZONTAL SECTION



4" = 1'-0" HORIZONTAL SECTION



E INTERMEDIATE DETAIL
4" = 1'-0" HORIZONTAL SECTION

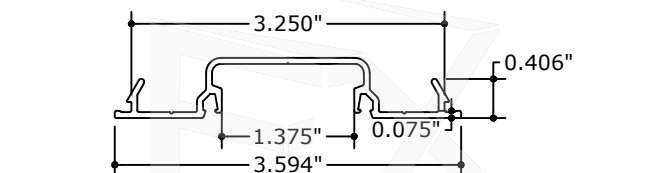
FRAME HEIGHT	FRAME WIDTH					
		24"	30"	36"	42"	50"
	72"	50 PSF	50 PSF	50 PSF	50 PSF	50 PSF
	84"	50 PSF	50 PSF	50 PSF	50 PSF	50 PSF
	96"	50 PSF	50 PSF	50 PSF	50 PSF	50 PSF
	108"	34 PSF	34 PSF	34 PSF	34 PSF	34 PSF
	120"	24 PSF	24 PSF	24 PSF	24 PSF	24 PSF

NOTE:
PLEASE NOTE SITE SPECIFIC (FRAME HEIGHT) DOES NOT EXCEED A 5.0 RATIO
(FRAME WIDTH)



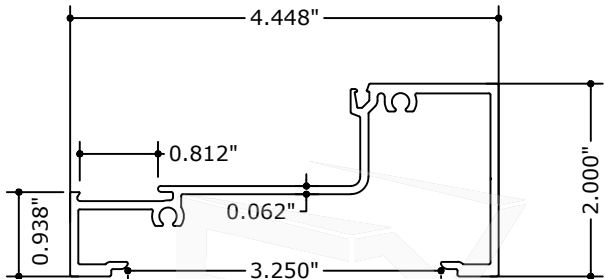
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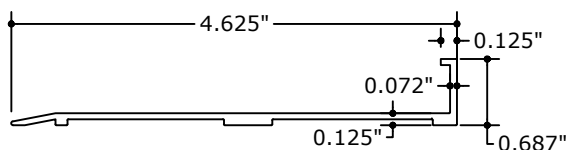


3 GLASS STOP
6" = 1'-0" 6063-T5 ALUMINUM

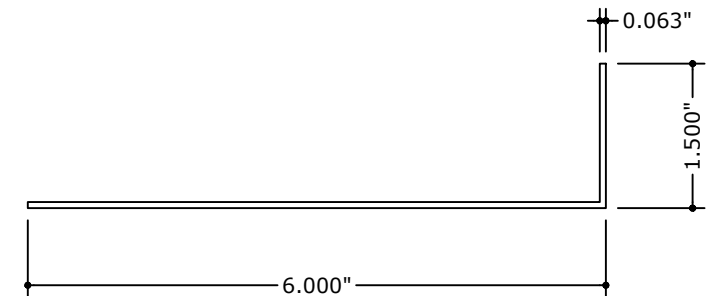
5 SHALLOW POCKET FILLER
6" = 1'-0" 6063-T5 ALUMINUM



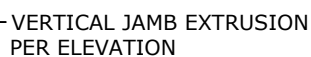
4 HORIZONTAL/SILL
6" = 1'-0" 6063-T5 ALUMINUM



⑥ SILL FLASHING
6" = 1'-0" 6063-T5 ALUMINUM



10 FRAMING WRAP
6" = 1'-0" 6063-T5 ALUMINUM



— #12 X 1.5" SMS TO SPLINE
GROOVE; (2) PER
CONNECTION AS SHOWN

FLAT OR SHALLOW
POCKET FILLER

FRAME CONSTRUCTION

**TO HOLLOW CONCRETE BLOCK OR 3192 PSI MIN CONCRETE
HOST STRUCTURE:**

- 1/4" ITW CARBON STEEL TAPCONS THRU 1X OR 2X WOOD BUCKS OR DIRECTLY INTO MASONRY/ CONCRETE WITH 1-1/4" MIN EMBED AND 2-1/2" MIN EDGE DISTANCE.

TO WOOD BUCK OR HOST STRUCTURE (G=0.55 MIN WOOD):

- #14 WOOD SCREWS WITH 1-1/2" MIN THREAD PENETRATION.

TO METAL STRUCTURES (STEEL OR ALUMINUM, MIN 1/8" THICK):

STEEL: $F_y = 36$ KSI MIN
ALUMINUM: 6063-T5 MIN

- #14 SELF-DRILLING SAE GRADE 5 SCREWS

1. SEE SYSTEM ELEVATION FOR ANCHOR LOCATIONS AND/OR SPACING.
2. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
3. ENSURE MINIMUM 2-1/2" EDGE DISTANCE FOR ALL ANCHORS TO CONCRETE & TO HOLLOW BLOCK.
4. WHERE ANCHORS FASTEN TO NARROW FACE OF STUD FRAMING, ANCHOR SHALL BE LOCATED IN CENTER OF NOMINAL 2x (MIN) WOOD STUD (i.e. 3/4" EDGE DISTANCE IS ACCEPTABLE FOR ANCHORS TO WOOD FRAMING).
5. WOOD HOST STRUCTURE SHALL BE "SOUTHERN PINE" G=0.55 OR GREATER DENSITY.
6. ANCHOR REQUIREMENTS AS SHOWN HEREIN, INCLUDING MINIMUM EMBEDMENT AND EDGE DISTANCE, EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL FINISHES. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, THE BUILDING OFFICIAL MAY REQUIRE A ONE-TIME SITE-SPECIFIC NOTICE OF ACCEPTANCE BE OBTAINED, OR THAT SITE SPECIFIC DOCUMENTS BE PREPARED, SIGNED, DATED AND SEALED BY A LICENSED ENGINEER OR REGISTERED ARCHITECT, WHICH DETAIL AND JUSTIFY THE DEVIATION.
7. WHERE EXISTING STRUCTURE IS WOOD FRAMING, EXISTING CONDITIONS MAY VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT INTO PLYWOOD.
8. PRESSURE TREATED WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.

ITEM	PART #	DESCRIPTION	MATERIAL
1	F20045	FLAT FILLER	ALUMINUM
2	F20010	HEAD/JAMB	ALUMINUM
3	F20025	GLASS STOP	ALUMINUM
4	F20020	HORIZONTAL/SILL	ALUMINUM
5	F20015	SHALLOW POCKET FILLER	ALUMINUM
6	F20050	SILL FLASHING	ALUMINUM
7	F51010	GLAZING GASKET	VINYL
8	F200SB	SETTING BLOCK	ALUMINUM
9	F20095	WATER DIVERTER	ALUMINUM
10		FRAMING WRAP	0.063" BRAKE METAL
11		END DAM	0.040" BRAKE METAL
12		DOWSIL #795 CAULK	

NOTE:
SETTING BLOCKS TO BE 70 +/- 5 DUROMETER CENTERED AT 1/4 POINTS.

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[illegible]

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