

Z:\2023 FBC Drawings\Wincore Window Company\FL-16542 R7\FL-16542.1-4.dwg



250 Staunton Turnpike, Parkersburg, WV 26104

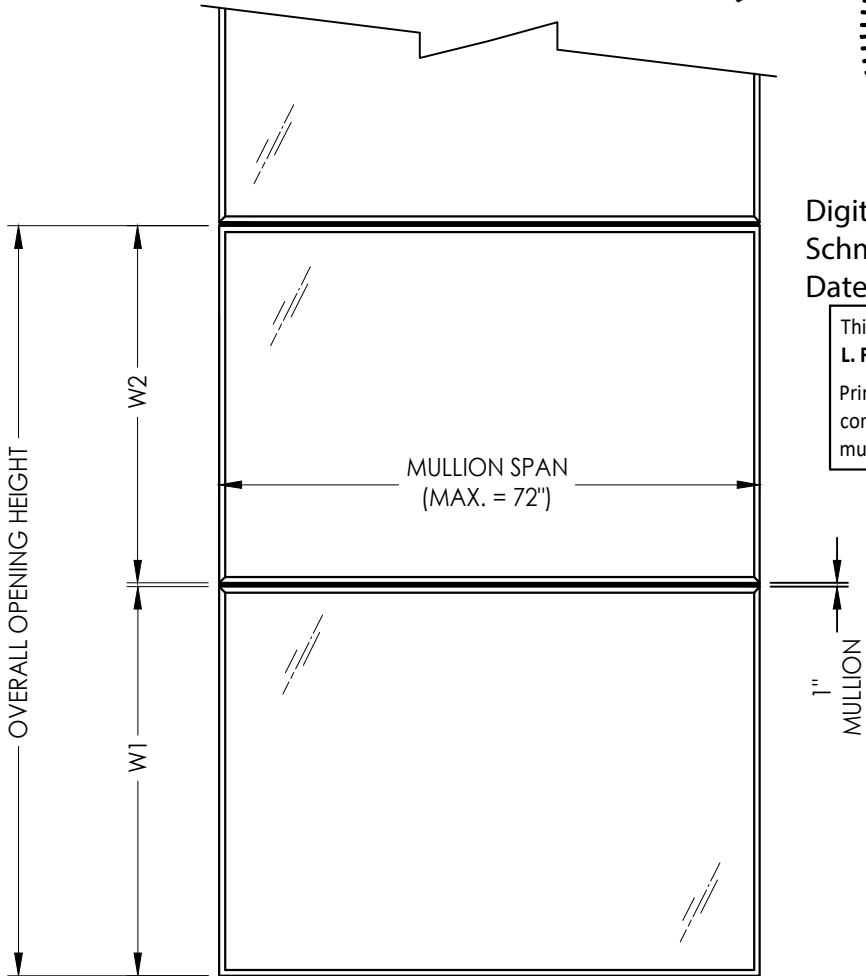
TMP-2603
EXTRUDED ALUMINUM
HORIZONTAL CLIPPED MULLION



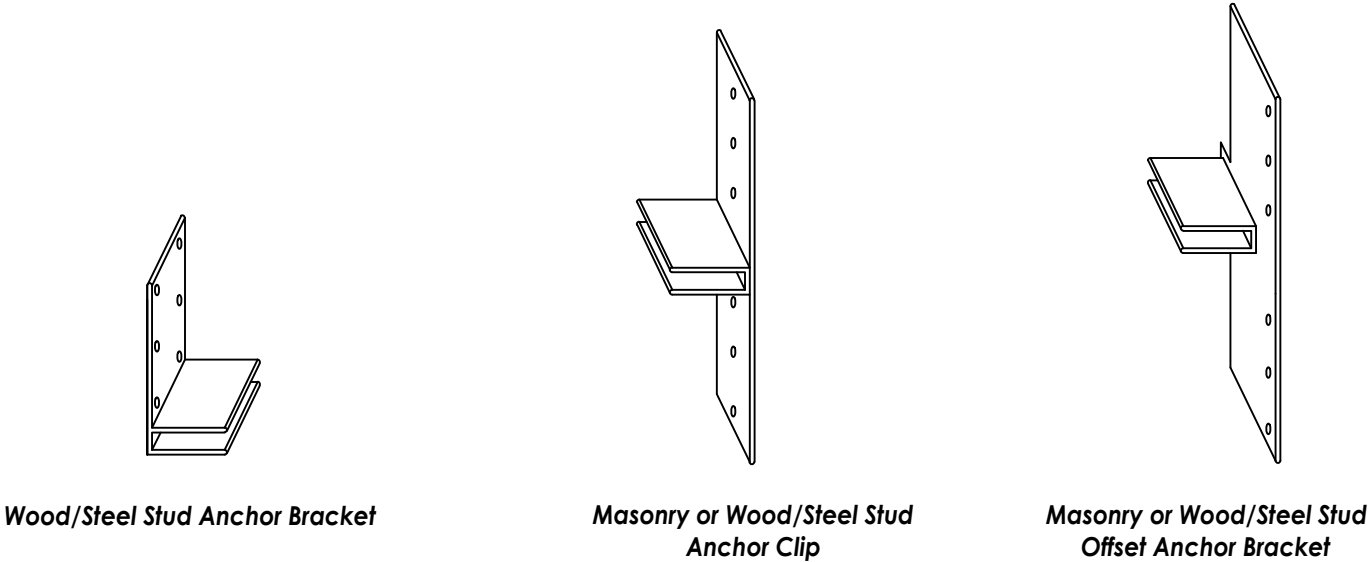
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) structural requirements, excluding the "High Velocity Hurricane Zone".
2. When used in areas requiring wind borne debris protection, this product (if mulled together with impact rated windows), complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure and be reviewed by the Building Official.
4. Separate product approvals for each glazing product used with these mullions must be submitted along with this mullion product approval. The design pressure rating of the assembly shall be the lesser of the load capacity of the mullion as specified using this approval or the design pressure rating of the individual glazing products used.
5. Anchoring of each glazing product to the mullion shall be as shown in this drawing or as shown in each individual glazing product approval, whichever is more stringent.
6. Mullion anchor embedment to base material shall be beyond wall dressing or stucco.
7. Any conditions not covered in this evaluation are subject to separate engineering evaluation.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical Elevations & General Notes
2	Mullion Design PressureTable & Cross Sections
3	Wood/Steel Stud Anchor Clip Details
4	Masonry or Wood/Steel Stud Anchor Clip Details



HORIZONTAL MULLED WINDOW UNITS
ADJOINING WINDOW UNITS CAN BE EQUAL OR UNEQUAL WIDTHS



27

L. F. SCHMIDT

LICENSE

No. 43409

STATE OF FLORIDA

PROFESSIONAL ENGINEER

Digitally signed by Lyndon F Schmidt

Date: 2026.07.27 15:20:01 -04'00'

This item has been digitally signed and sealed by L. F. Schmidt, P.E. on the date adjacent to the seal.

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THIS PRODUCT APPROVAL IS VALID ONLY FOR THE STATE OF FLORIDA

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

ALUMINUM CLIPPED MULLION

PART OR ASSEMBLY:
TYPICAL ELEVATIONS
& GENERAL NOTES

7

7/01/26

UPDATE TO 9TH ED. (2026)

FBC

LFS

6

7/06/23

UPDATE TO 8TH ED. (2023)

FBC

LFS

5

7/09/20

UPDATE TO 7TH ED. (2020)

FBC

LFS

NO.

DATE

BY

REVISIONS

DATE: 10/01/13

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-16542.3

SHEET 1 OF 4

RW

BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

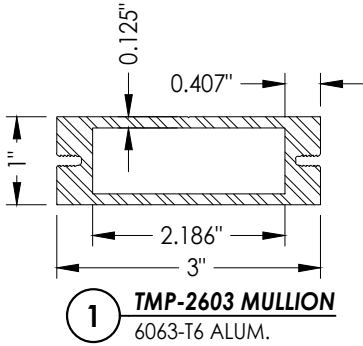
FBPE Registry No. 9813

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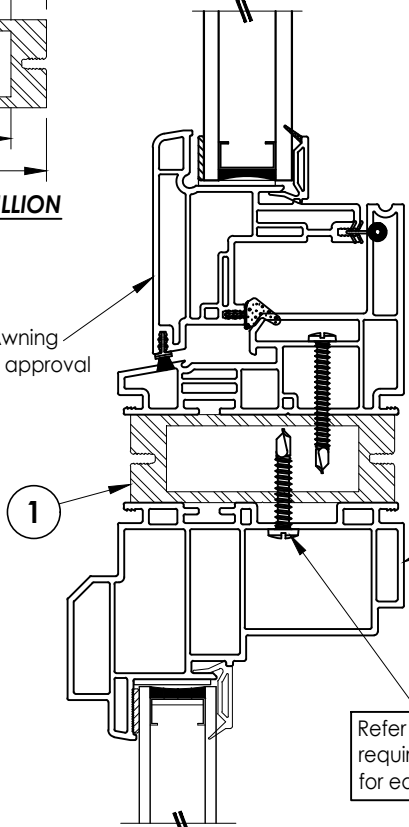
CLIPPED MULLION		TMP-2603 EXTRUDED ALUMINUM HORIZONTAL CLIPPED MULLION LOAD TABLE (PSF)																								
		OVERALL OPENING HEIGHT																								
		49"	53"	57"	61"	65"	69"	73"	77"	81"	85"	89"	93"	97"	101"	105"	109"	113"	117"	121"	125"	129"	133"	137"	141"	145"
MAXIMUM MULLION LENGTH	72"	75.0	75.0	75.0	75.0	75.0	75.0	75.0	72.0	69.5	67.5	65.5	63.5	61.5	60.0	59.0	57.5	56.5	55.5	55.0	54.5	54.0	53.5	53.5	53.5	53.5
	70"	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	72.0	70.5	69.5	68.0	66.5	65.0	64.0	63.0	62.0	61.5	61.0	60.5	60.0	60.0	60.0	60.0
	68"	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	74.5	73.0	71.5	70.0	69.5	69.0	68.5	68.0	67.5	67.0	67.0	67.0	67.0
	66"	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	64"	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	62"	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
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	58"	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0

DESIGN PRESSURE TABLE NOTES:

- Determine the Overall Opening Height for the two windows to be mulled together. If multiple units are to be mulled together, use the maximum Overall Opening Height for the two tallest adjacent windows.
- Enter the table at the intersection of the Mullion Length and the Overall Opening Height to determine the maximum approved Design Pressure.



Shown with Wincore Awning frame under separate approval

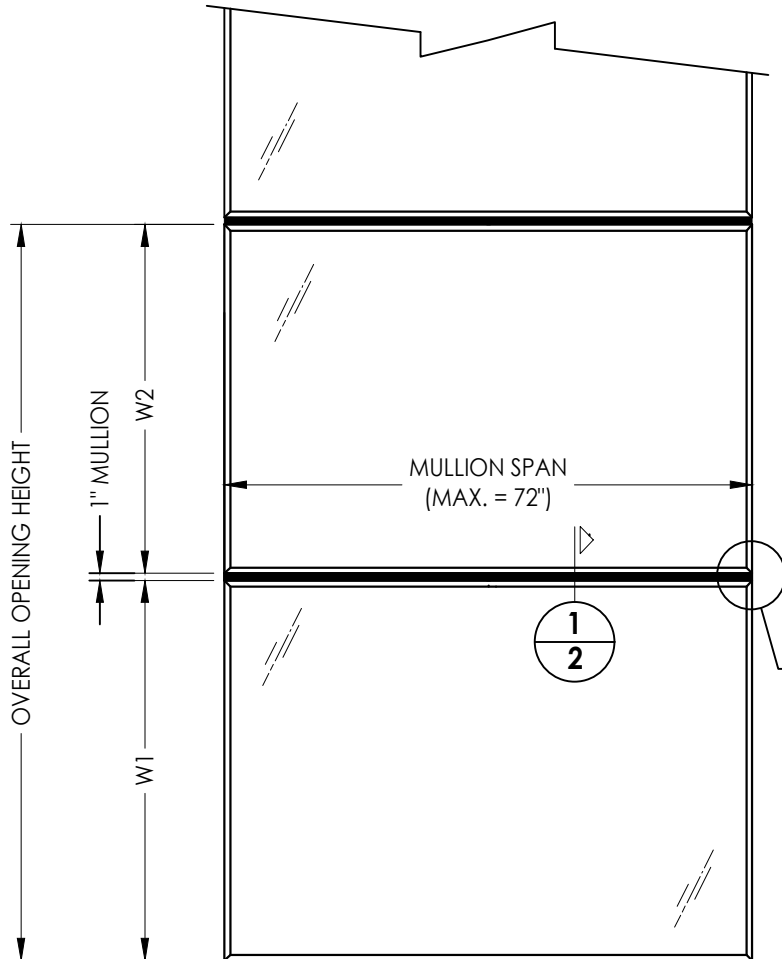


1
2
FRAME TO MULLION CONNECTION

APPROVED WINDOW UNIT TYPES

- Fixed/Picture Windows
- Casement Windows
- Awning Windows
- Horizontal Slider Windows
- Single Hung Windows
- Double Hung Windows

OVERALL OPENING HEIGHT = W1 + W2 + 1 (inch)



Documents Prepared By:

Lyndon F. Schmidt

P.E. No. 43409

RW BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

FBPE Registry No. 9813

PRODUCT:

ALUMINUM CLIPPED MULLION

PART OR ASSEMBLY:

MULLION DESIGN PRESSURE
TABLE & CROSS SECTIONS

DATE: 10/01/13

SCALE: N.T.S.

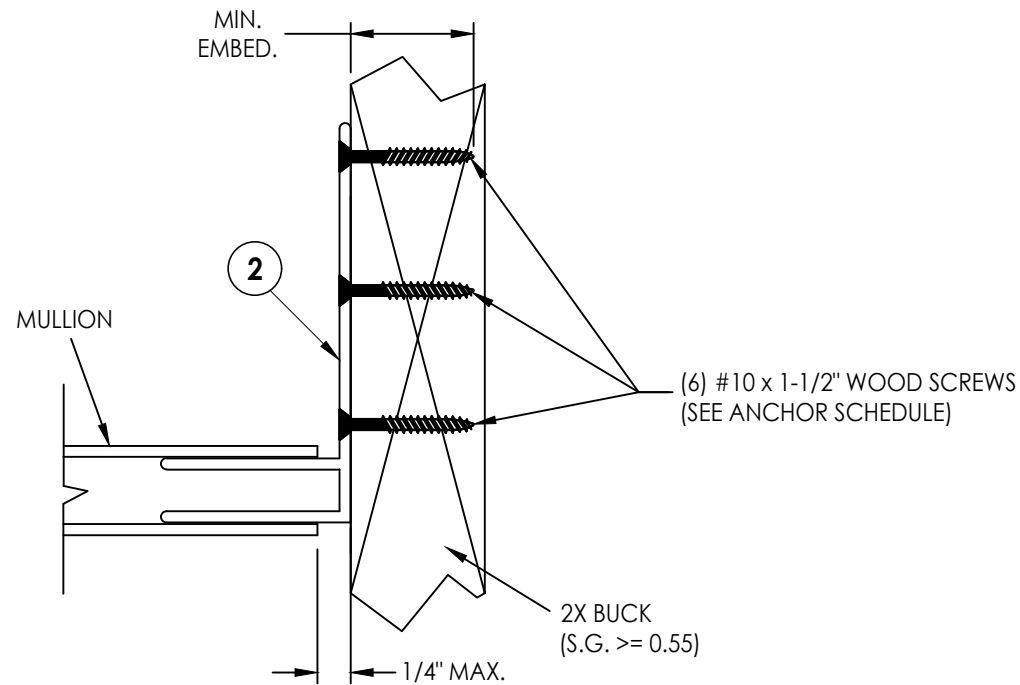
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CHK. BY: LFS

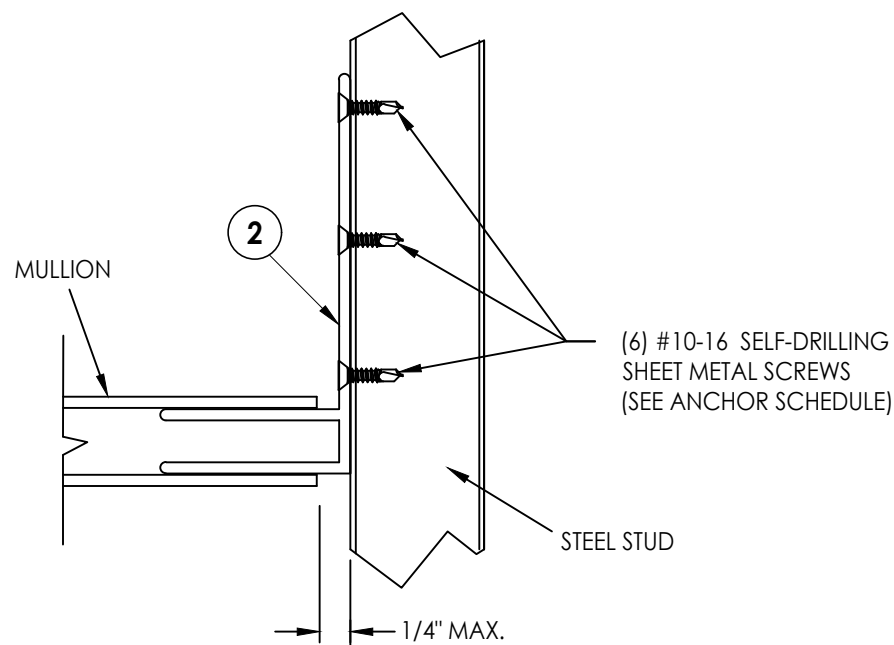
DRAWING NO.:

FL-16542.3

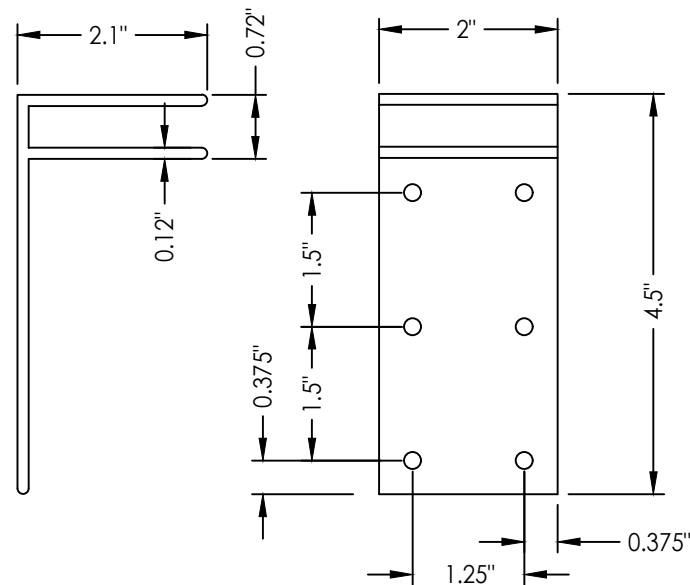
SHEET 2 OF 4



1 **ANCHOR BRACKET DETAIL**
3 Anchor to 2x Buck



2 ANCHOR BRACKET DETAIL
3 Anchor to Steel Stud



2 WOOD/STEEL STUD ANCHOR BRACKET
6063-T6 ALUM.

- Notes:
1. Refer to individual window product approval for fabrication and installation requirements, including glazing details, frame reinforcement and anchor specifications.
 2. Mullion bracket anchoring details shown may be used at either end of mullion.

MULLION ANCHOR BRACKET ANCHOR SCHEDULE				
ANCHOR	SUBSTRATE	EMBEDMENT (MIN.)	EDGE DISTANCE (MIN.)	CENTER-TO-CENTER SPACING (MIN.)
#10 PFH WOOD SCREW 	WOOD	1-3/8"	1"	1-1/4"
#10-16 SELF-DRILLING SHEET METAL SCREW 	STEEL	A MIN. OF 3 THREADS SHALL PROTRUDE COMPLETELY THROUGH THE STEEL SUBSTRATE	1"	1-1/4"

WOOD FRAMING (S.G. ≥ 0.55)
STEEL CONFORMING TO ASTM A653, 16 GA., 0.060" MIN. THICKNESS ($F_y = 33,000$ PSI, $F_u = 45,000$ PSI)
SHEET METAL SCREWS (SAE GRADE 5 MIN.): HILTI KWIK-FLEX or ELCO DRIL-FLEX

[illegible]

DATE: 10/01/13

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-16542.3

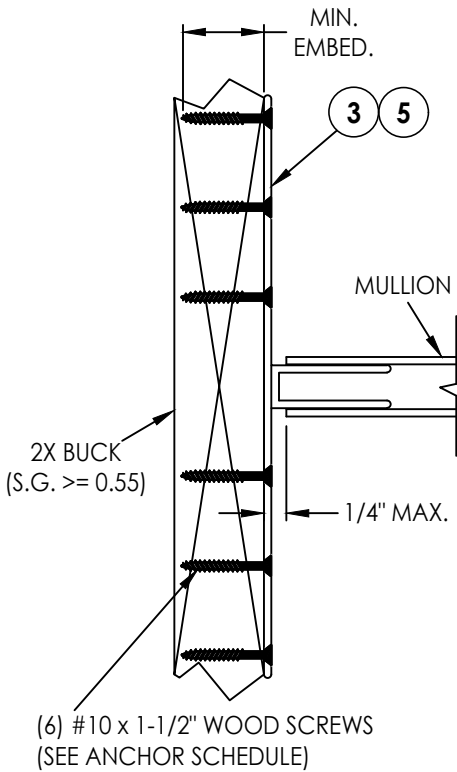
SHEET 3 OF 4

Documents Prepared By:
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P.E. No. 43409

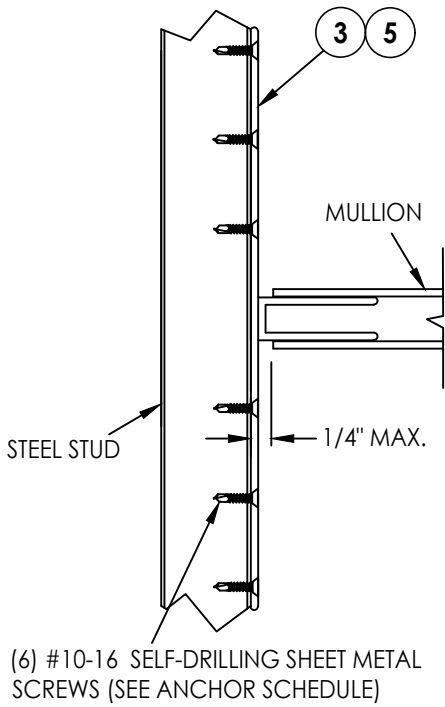
R^gW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
• FBPE Registry No. 9813

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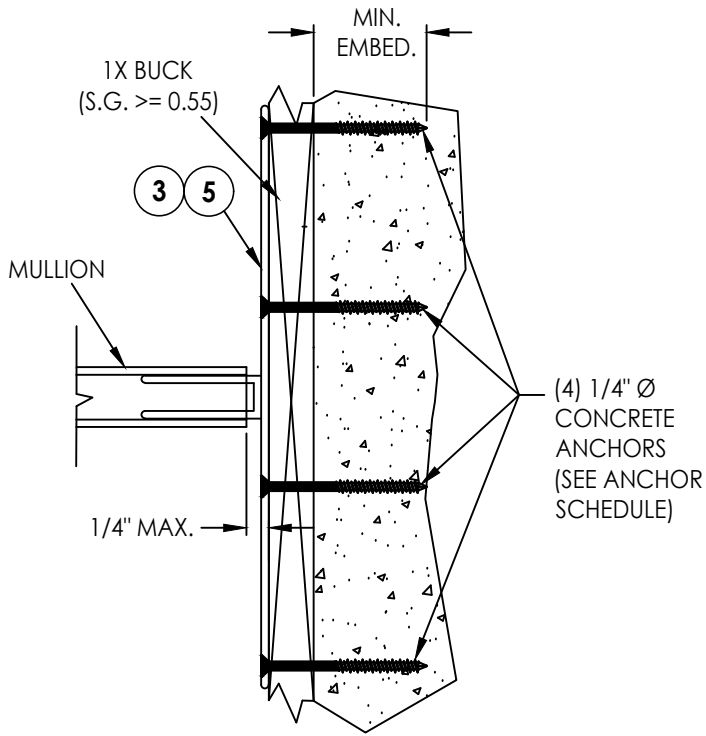
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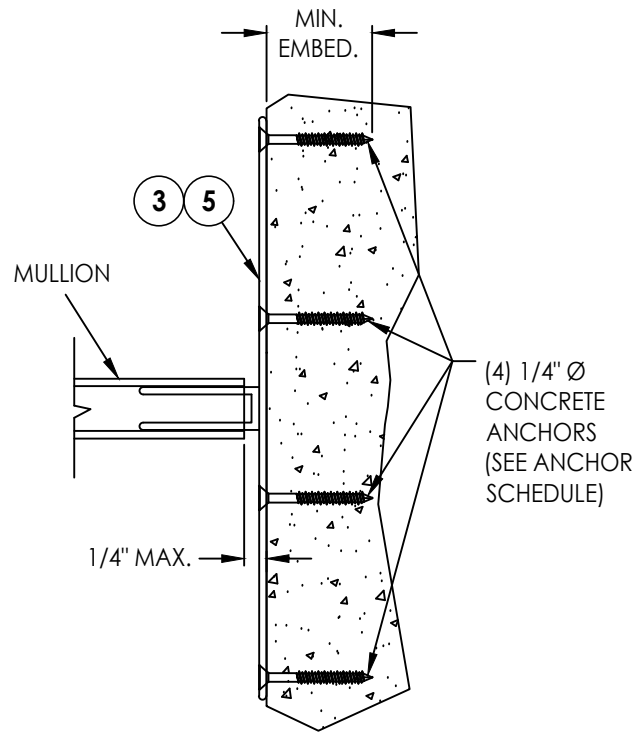
1 **ANCHOR BRACKET DETAIL**
4 Anchor to 2x Buck



2 **ANCHOR BRACKET DETAIL**
4 Anchor to Steel Stud



3 **ANCHOR BRACKET DETAIL**
4 Anchor to Masonry thru 1x Buck



4 **ANCHOR BRACKET DETAIL**
4 Anchor Direct to Masonry

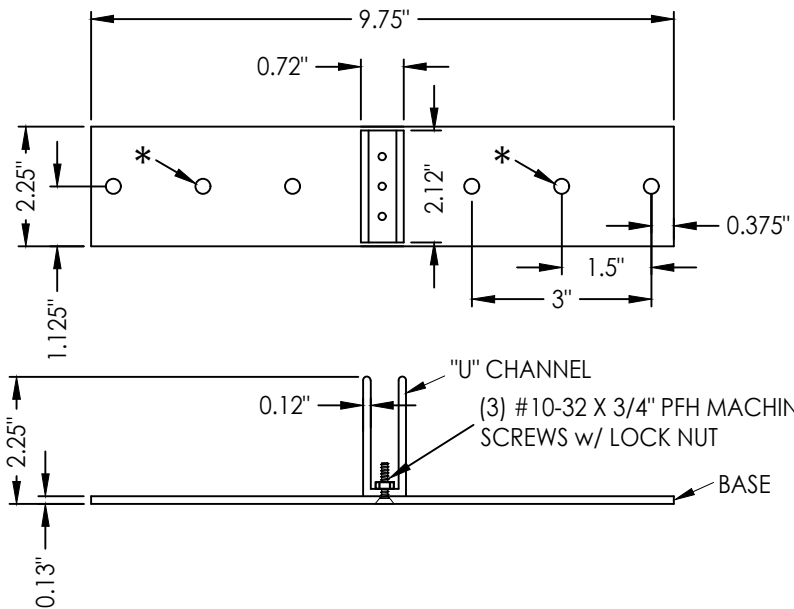
CORROSION RESISTANCE - SALTWATER ENVIRONMENTS
Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.

Notes:

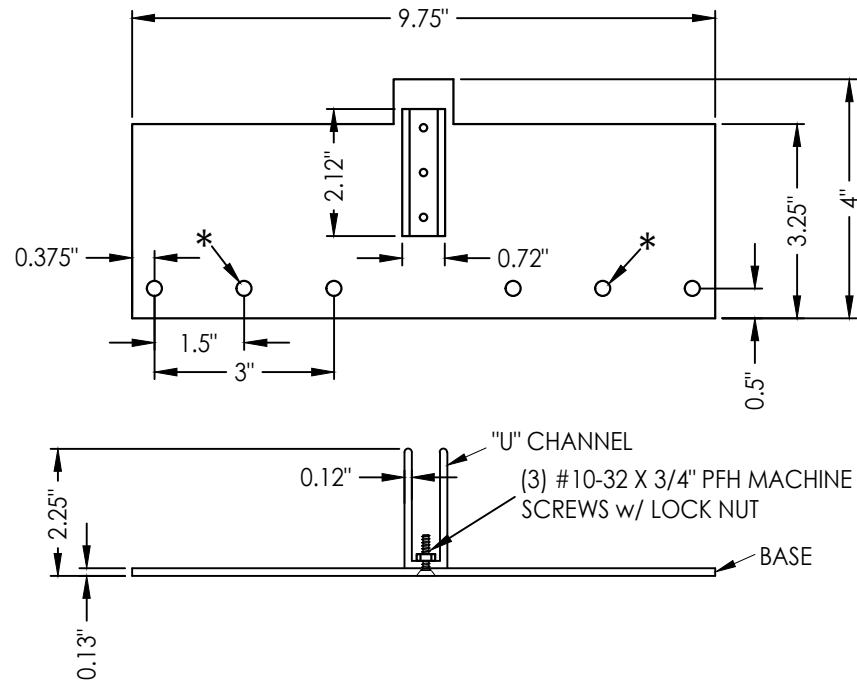
- Refer to individual window product approval for fabrication and installation requirements, including glazing details, frame reinforcement and anchor specifications.
- Mullion bracket anchoring details shown may be used at either end of mullion.

MULLION ANCHOR BRACKET ANCHOR SCHEDULE				
ANCHOR	SUBSTRATE	EMBEDMENT (MIN.)	EDGE DISTANCE (MIN.)	CENTER-TO-CENTER SPACING (MIN.)
#10 PFH WOOD SCREW	WOOD	1-3/8"	1"	1-1/4"
#10-16 SELF-DRILLING SHEET METAL SCREW	STEEL	A MIN. OF 3 THREADS SHALL PROTRUDE COMPLETELY THROUGH THE STEEL SUBSTRATE	1"	1-1/4"
1/4" Ø PFH HILTI KWIK-CON II+	HOLLOW BLOCK	1-1/4"	2-1/2"	3"
	CONCRETE	1-1/4"	2-1/2"	3"

WOOD FRAMING (S.G. >= 0.55)
STEEL CONFORMING TO ASTM A653, 16 GA. , 0.060" MIN. THICKNESS (F_y = 33,000 PSI, F_u = 45,000 PSI)
SHEET METAL SCREWS (SAE GRADE 5 MIN.): HILTI KWIK-FLEX or ELCO DRIL-FLEX
CONCRETE CONFORMING TO ACI 301 (3,000 PSI MIN.) OR HOLLOW BLOCK CONFORMING TO ASTM C90



3 **MASONRY OR WOOD/STEEL STUD ANCHOR BRACKET**
BASE (6061-T6 ALUM.)
"U" CHANNEL (6063-T6 ALUM.)



5 **MASONRY OR WOOD/STEEL STUD OFFSET ANCHOR BRACKET**
BASE (6061-T6 ALUM.)
"U" CHANNEL (6063-T6 ALUM.)

*Holes indicated to be used for wood/steel stud installations only. Do not use for concrete screws.

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FBPE Registry No. 9813

RW

PRODUCT:
ALUMINUM CLIPPED MULLION

PART OR ASSEMBLY:
MASONRY OR WOOD/STEEL STUD ANCHOR BRACKET DETAILS

NO.	DATE	REVISIONS
7	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
6	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
5	7/09/20	UPDATE TO 7TH ED. (2020) FBC LFS
NO.	DATE	BY

DATE: 10/01/13

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-16542.3

SHEET 4 OF 4