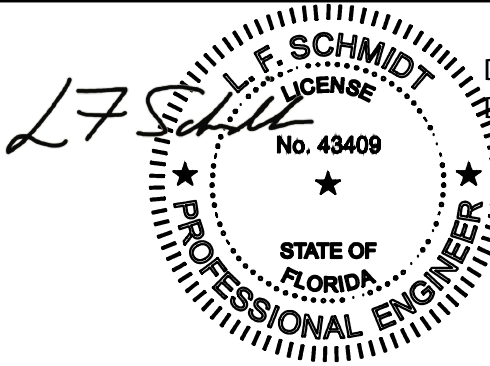
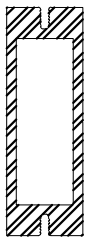




250 Staunton Turnpike, Parkersburg, WV 26104

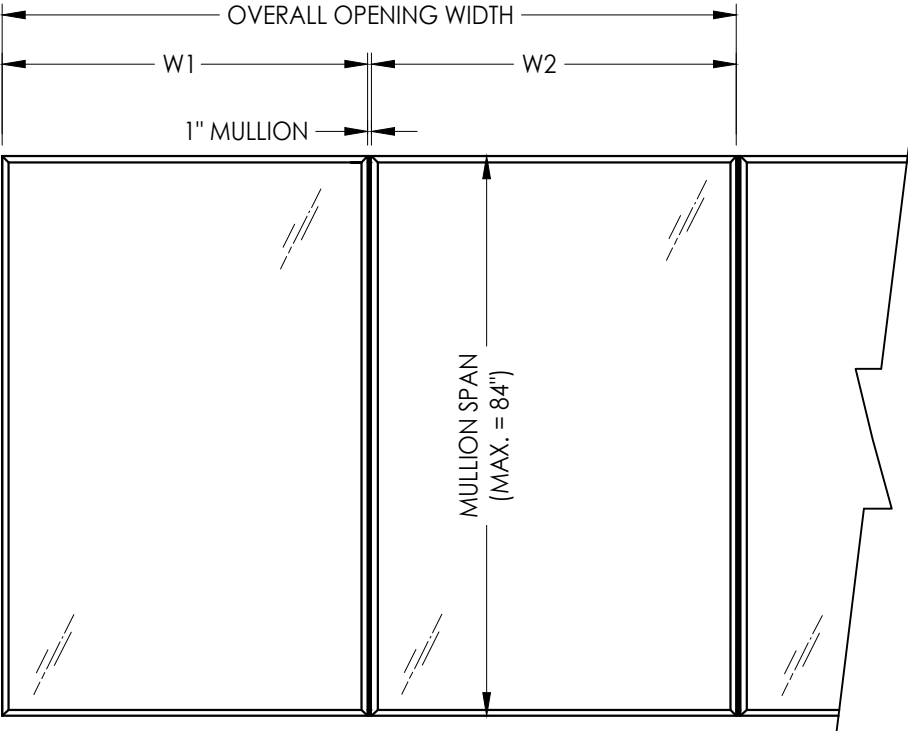
TMP-2603
EXTRUDED ALUMINUM
VERTICAL CLIPPED MULLION



Digitally signed by Lyndon F Schmidt
Date: 2026.07.27 15:19:01 -04'00'

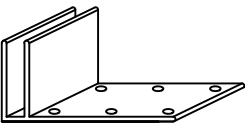
This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

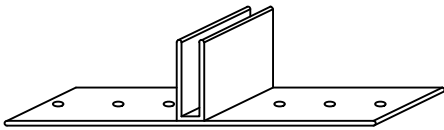


VERTICAL MULLED WINDOW UNITS

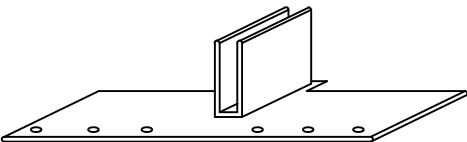
ADJOINING WINDOW UNITS CAN BE EQUAL OR UNEQUAL WIDTHS



Wood/Steel Stud Anchor Bracket



Masonry or Wood/Steel Stud Anchor Clip



Masonry or Wood/Steel Stud Offset Anchor Bracket

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

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

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:
TYPICAL ELEVATIONS
& GENERAL NOTES

REVISIONS	
NO.	DATE
7	7/01/26
6	7/06/23
5	7/09/20
4	
3	
2	
1	

DATE: 10/01/13

SCALE: N.T.S.

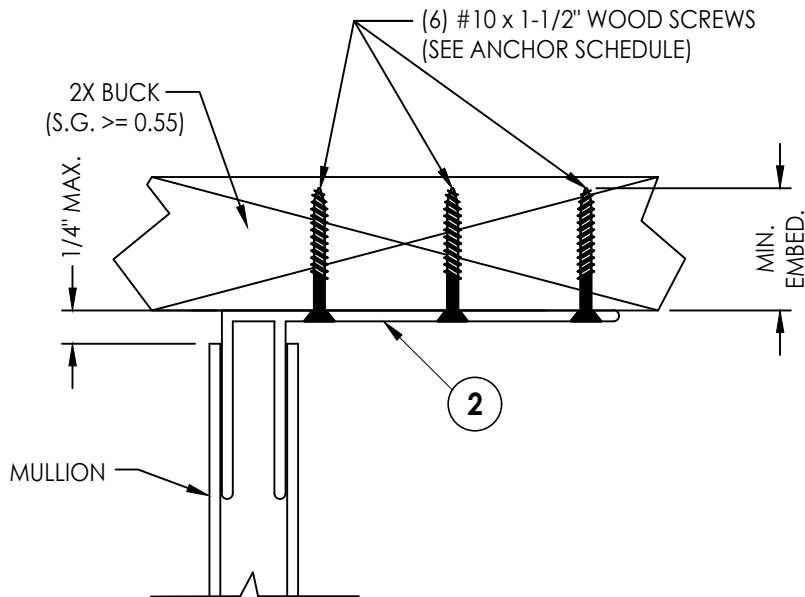
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CHK. BY: LFS

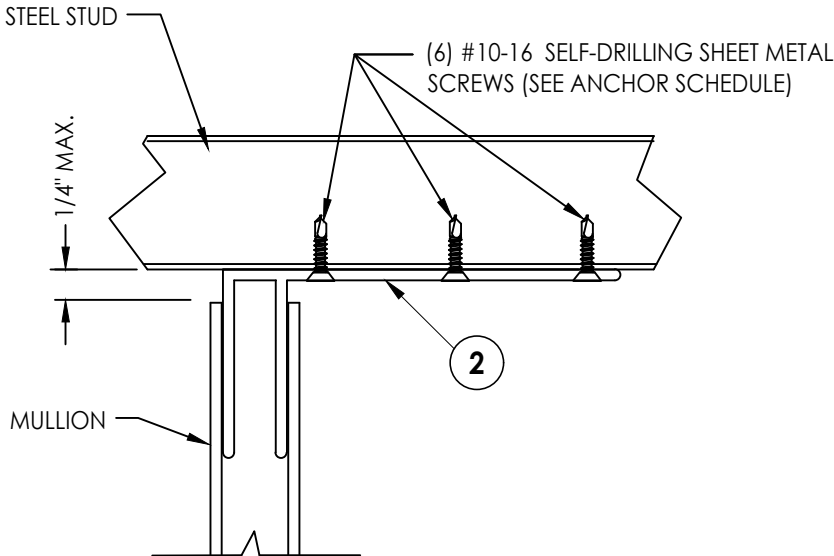
DRAWING NO.:

FL-16542.1

SHEET 1 OF 4

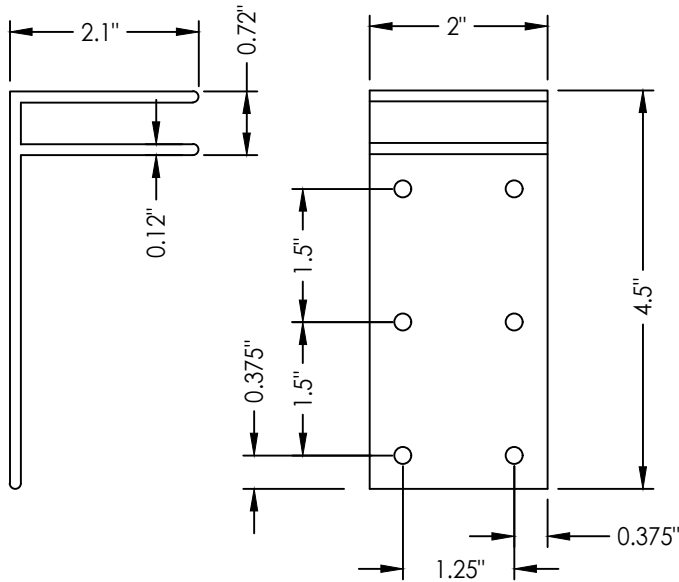


1 **ANCHOR BRACKET DETAIL**
3 Anchor to 2x Buck



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-16542.1

SHEET 3 OF 4

PRODUCT:

ALUMINUM CLIPPED MULLION

PART OR ASSEMBLY:

WOOD/STEEL STUD
ANCHOR BRACKET DETAILS

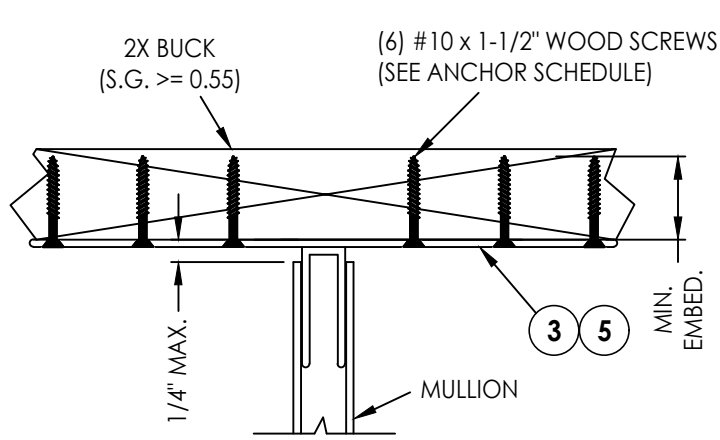
Documents Prepared By:

P.E. No. 43409

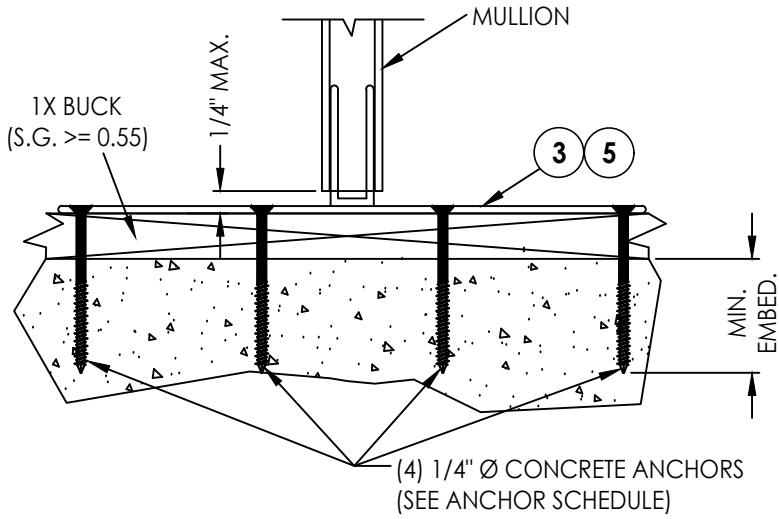
P.E. No. 43409

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BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
-FBPE Registry No. 9813

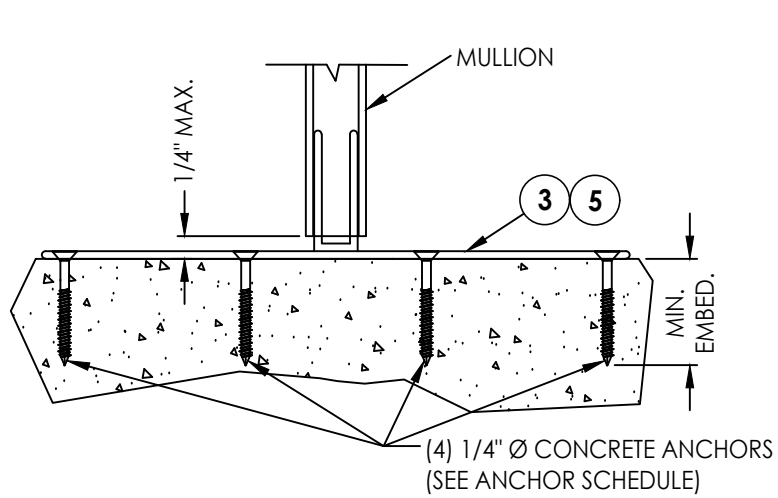
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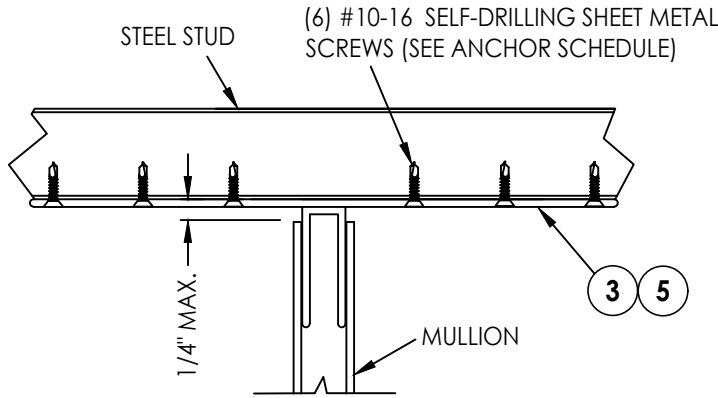
1
4 **ANCHOR BRACKET DETAIL**
Anchor to 2x Buck



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



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



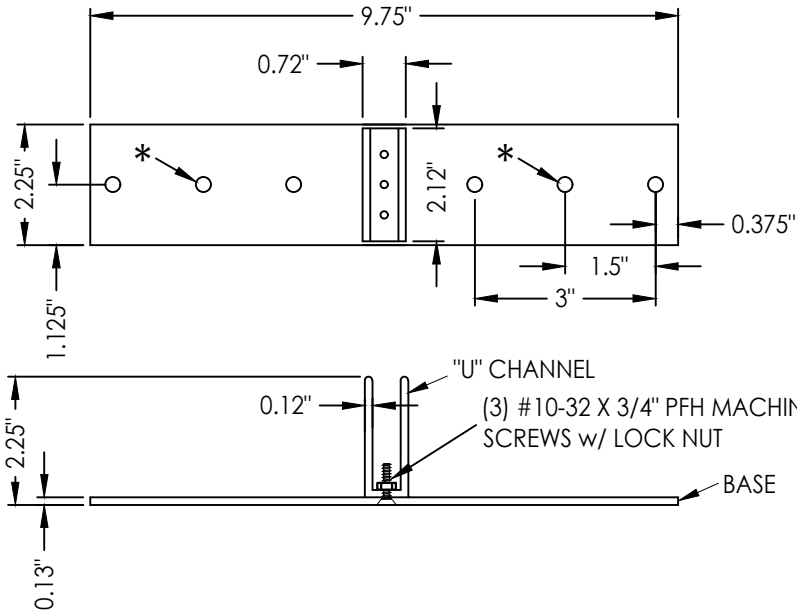
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4 **ANCHOR BRACKET DETAIL**
Anchor to Steel Stud

Notes:

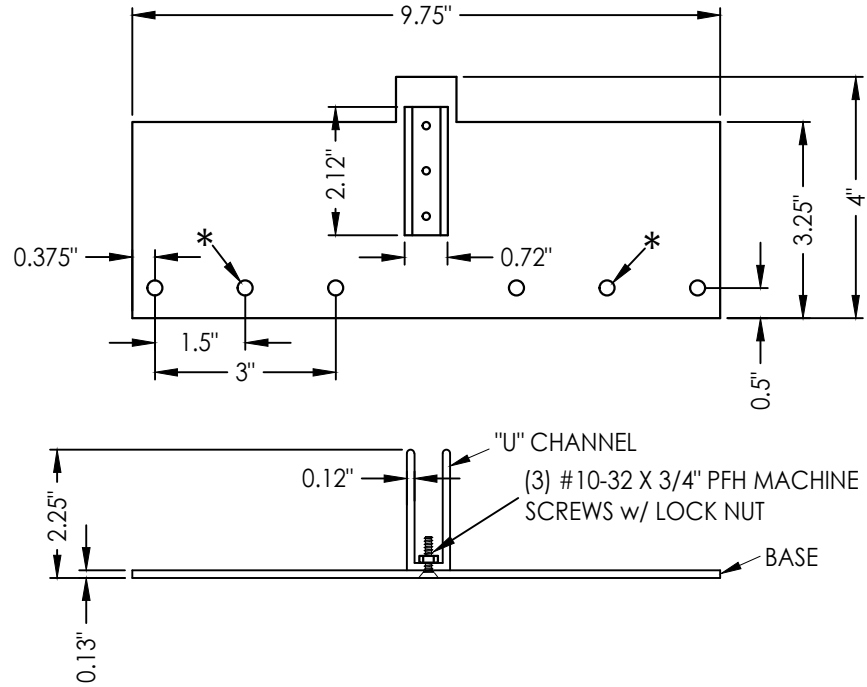
- Refer to individual window product approval for fabrication and installation requirements, including glazing details, frame reinforcement and anchor specifications.
- Mullion bracket anchoring details shown may be used at either end of mullion.

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"	3/4"	1-1/4"
#10-16 SELF-DRILLING SHEET METAL SCREW	STEEL	A MIN. OF 3 THREADS SHALL PROTRUDE COMPLETELY THROUGH THE STEEL SUBSTRATE	3/4"	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.)

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.

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

Documents Prepared By:
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P.E. No. 43409

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FBPE Registry No. 9813

PRODUCT:
ALUMINUM CLIPPED MULLION
PART OR ASSEMBLY:
MASONRY OR WOOD/STEEL STUD ANCHOR BRACKET DETAILS

NO.	DATE	REVISIONS	BY
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

DATE: 10/01/13

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-16542.1

SHEET 4 OF 4