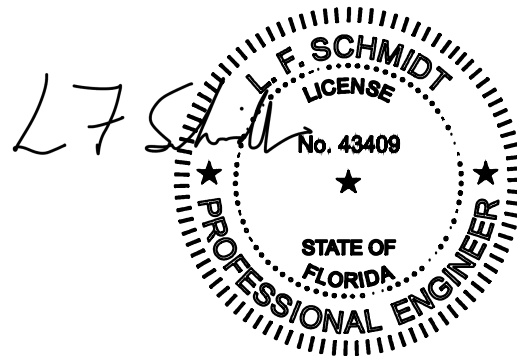
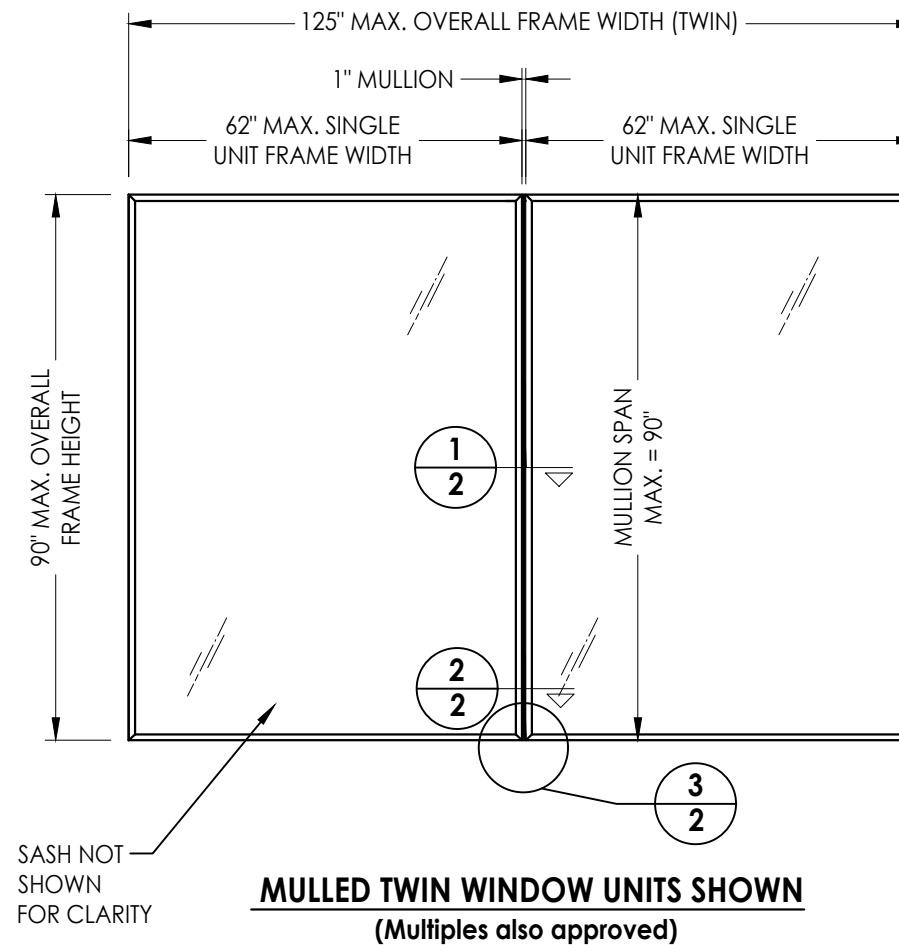




Digitally signed by Lyndon F Schmidt
Date: 2023.07.03 16:53:57 -04'00'

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



GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) 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) does not require protection from an impact resistant covering when used in Wind Zones 1, 2 and 3 as defined by ASTM E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
3. In Wind Zone 4, as defined by ASTM E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1, this product must be protected with an impact resistant covering complying with FBC Sections 1609.1.2 & R301.2.1.2.
4. Wood bucks by others, must be anchored properly to transfer loads to the structure and be reviewed by the Building Official.
5. 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.
6. 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.
7. Mullion anchor embedment to base material shall be beyond wall dressing or stucco.
8. Any conditions not covered in this evaluation are subject to separate engineering evaluation.

[illegible]

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Mullion details & cross sections

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:
19044 ALUMINUM MULLION

PART OR ASSEMBLY:
TYPICAL ELEVATIONS, DESIGN
PRESSURES & GENERAL NOTES

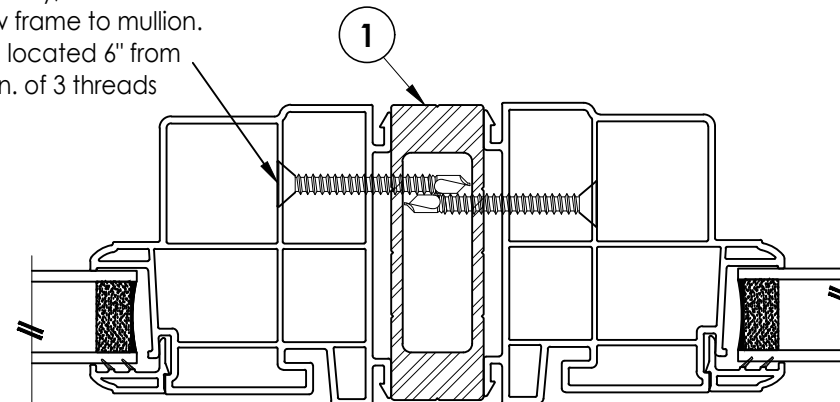
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DATE:	10/16/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-16026.1
SHEET	1 OF 2

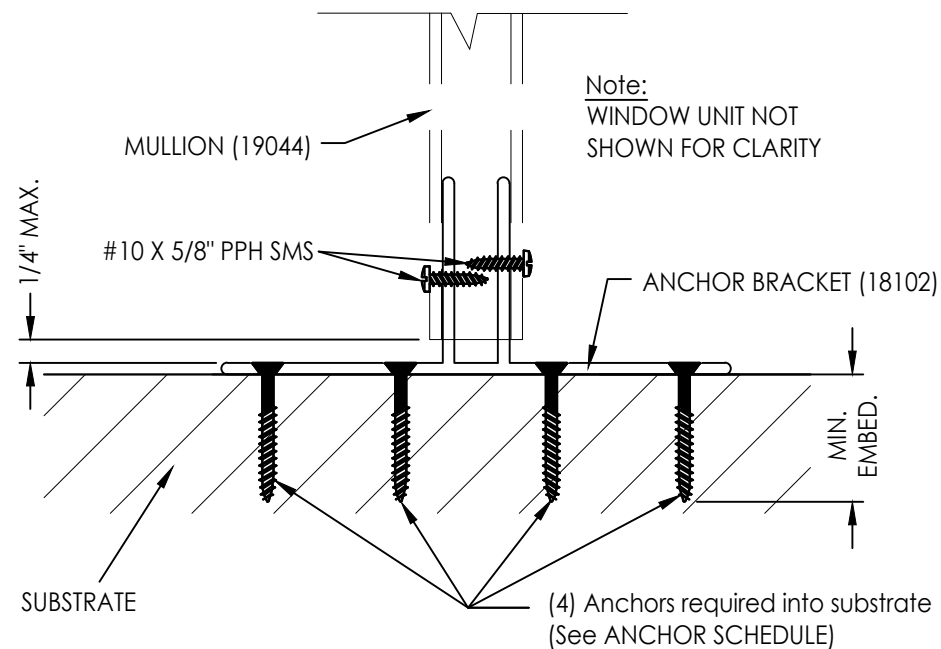


1 HORIZONTAL CROSS SECTION
2 @ anchor clip

(4) Mullion Bracket anchors
required into substrate
(See ANCHOR SCHEDULE)



2 HORIZONTAL CROSS SECTION
2 through mullion



3 ANCHOR BRACKET DETAIL

MULLION ANCHOR BRACKET ANCHOR SCHEDULE				
SUBSTRATE	ANCHOR	EMBEDMENT	EDGE DISTANCE	CENTER-TO-CENTER SPACING
WOOD	#12 PFH WOOD SCREW 	1-1/2" MIN.	1" MIN.	1-1/2" MIN.
CONCRETE	1/4" DIA. PFH ITW BUILDEX TAPCON® 	1-1/4" MIN.	2-1/2" MIN.	1-3/4" MIN.
STEEL	12-14 HWH HILTI KWIK-FLEX® SELF-DRILLING SCREW 	A MIN. OF 3 THREADS SHALL PROTRUDE THROUGH THE STEEL SUBSTRATE	1" MIN.	1-1/2" MIN.

WOOD FRAMING (S.G. ≥ 0.55)
CONCRETE CONFORMING TO ACI 301 (3,000 PSI MIN.) OR HOLLOW BLOCK CONFORMING TO ASTM C90
STEEL CONFORMING TO ASTM A653, 16 GA., 0.060" MIN. THICKNESS ($F_y = 33,000$ PSI, $F_u = 45,000$ PSI)

Documents Prepared By:
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BUILDING CONSULTANTS, INC.
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PRODUCT: 19044 ALUMINUM MULLION

FOR ASSEMBLY:
**MULLION DETAILS &
CROSS SECTIONS**

	4	7/03/23	UPDATE TO 8TH ED.	(2023)	FBC LFS
	3	7/13/20	UPDATE TO 7TH ED.	(2020)	FBC LFS
	2	7/20/17	UPDATE TO 6TH ED.	(2017)	FBC LFS
	1	1/19/15	UPDATE TO 5TH ED.	(2014)	FBC LFS
	NO.	DATE			BY
					REVISIONS

DATE: 10/16/12

SCALE: *N.T.S.*

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-16026.1

SHEET 2 OF 2