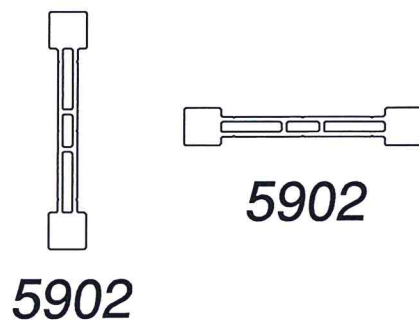


DoersWindow
MANUFACTURING



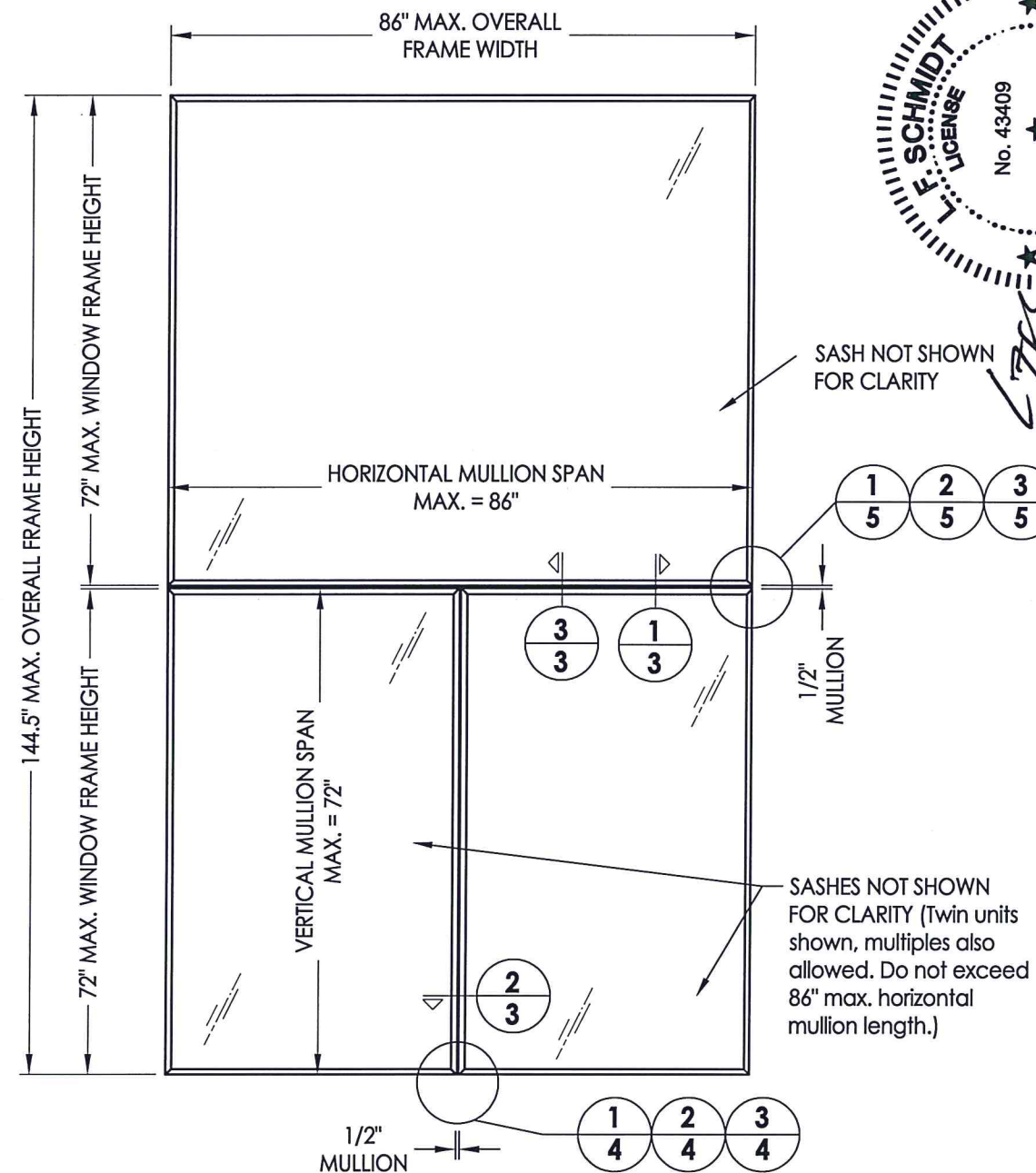
DuraGard and Sashlite Extruded Aluminum Vertical & Horizontal Clipped Structural Mullions

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 7th Edition (2020) 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 mullied 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, this product must be protected with an impact resistant covering complying with FBC Sections 1609.1.2 & R301.2.1.2.
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.
8. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.

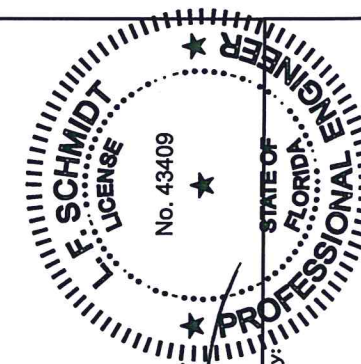
TABLE OF CONTENTS

SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Mullion details
3	Cross sections
4	Anchor bracket details
5	Anchor bracket details
6	Buck anchoring



MULLED TRANSOM OVER TWIN WINDOW UNITS

MAX. HORIZONTAL MULLION SPAN		DESIGN PRESSURE (PSF)							
		MAX. OVERALL FRAME HEIGHT							
		62"	74"	86"	98"	108"	122"	134"	144.5"
86"		35.7	29.9	25.7	22.6	20.1	18.1	16.5	15.3
78"		47.9	40.1	34.5	30.3	27.0	24.3	22.1	20.5
72"		50.0	50.0	43.9	38.5	34.3	30.9	28.2	26.1
66"		50.0	50.0	50.0	50.0	44.6	40.2	36.6	33.9
60"		50.0	50.0	50.0	50.0	50.0	47.2	42.9	39.8
54"		50.0	50.0	50.0	50.0	50.0	50.0	47.7	44.2
48"		50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.8



July 29, 2020

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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: CLIPPED MULLION

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

NO.	DATE	REVISIONS
3	7/29/20	UPDATE TO 7TH ED (2020) FBC
2	9/26/17	UPDATE TO 6TH ED. (2017) FBC
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC

DATE: 4/04/12

SCALE: N.T.S.

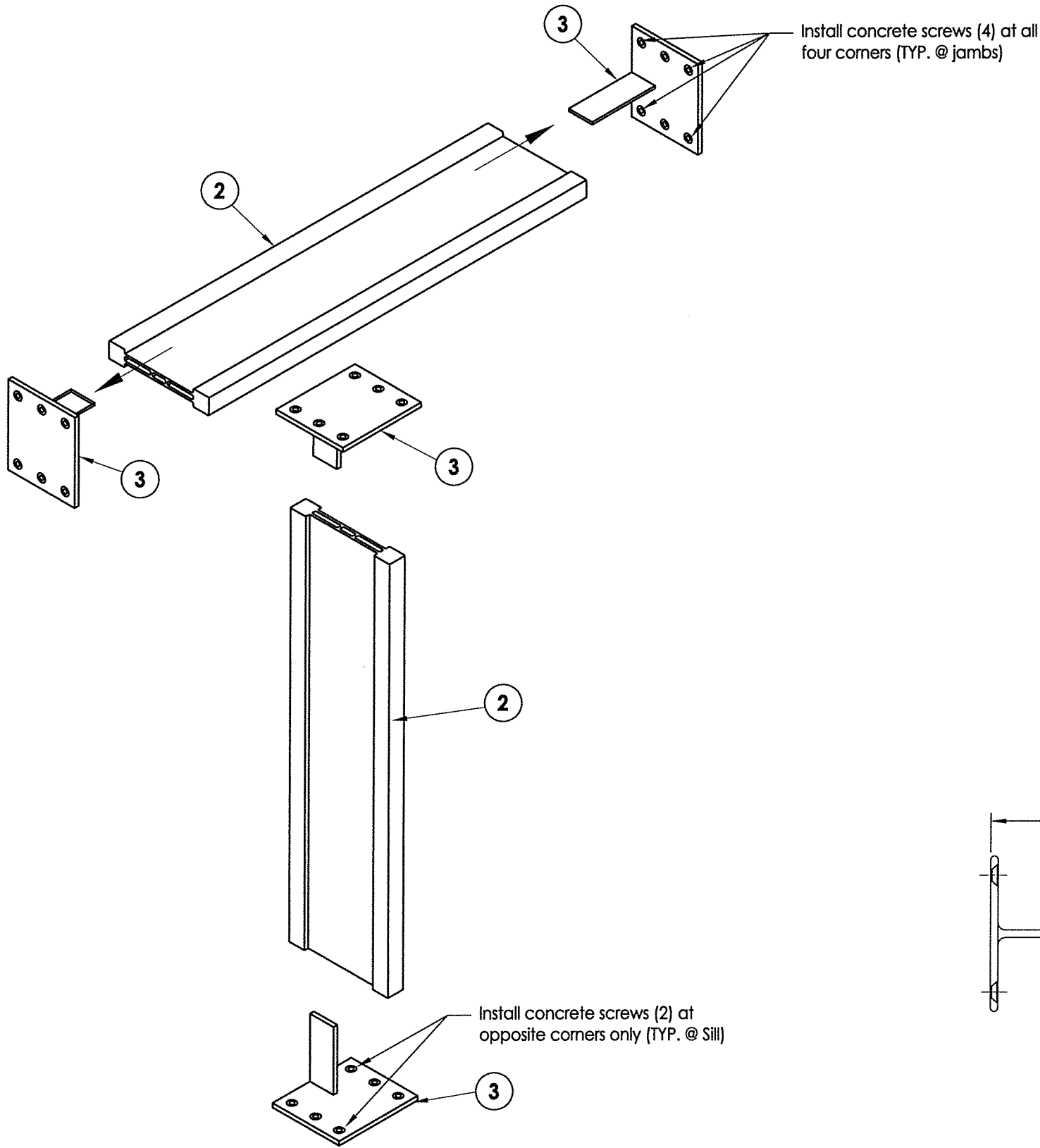
DWG. BY: JK

CHK. BY: LFS

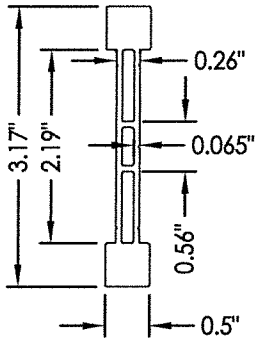
DRAWING NO.:

FL-15417.2

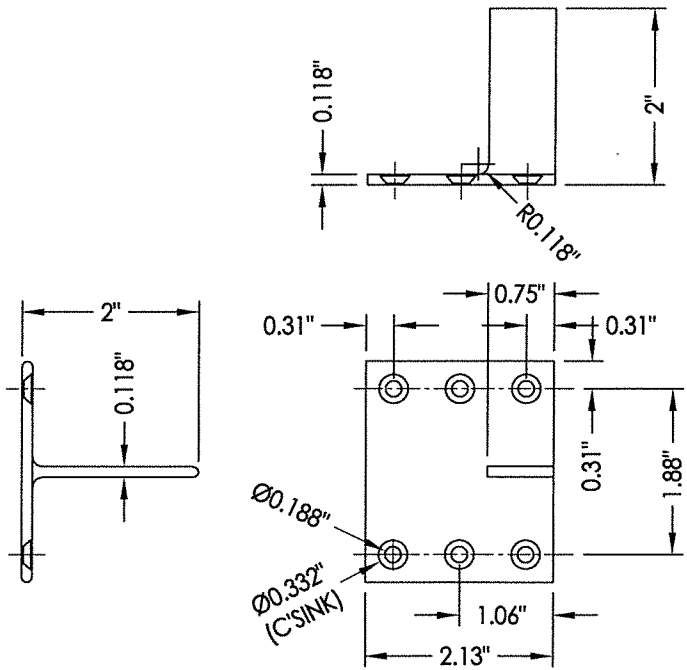
SHEET 1 OF 6



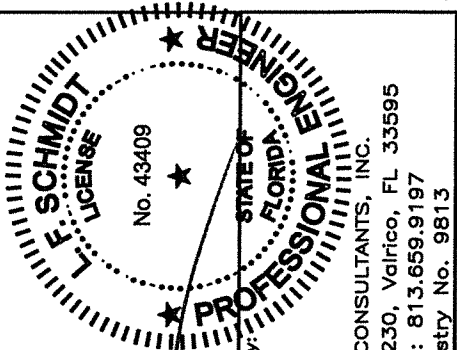
BRACKET TO MULLION DETAIL



2 MULLION (5902)
6105-T5 ALUM



3 MULLION ANCHOR BRACKET (5951)
6063-T6 ALUM



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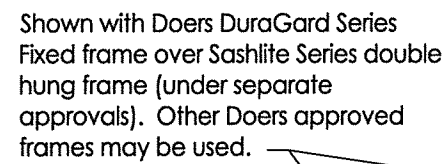
PRODUCT:	
CLIPPED MULLION	
PART OR ASSEMBLY:	
MULLION DETAILS	
REVISIONS	
NO.	DATE
3	7/29/20
2	9/26/17
1	04/22/15
DATE	
BY	
DATE: 4/04/12	
SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: FL-15417.2	
SHEET 2 OF 6	



— Shown with Doers DuraGard Series double hung frame under separate approval. Other Doers approved frames may be used.

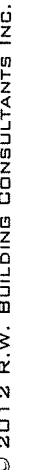


Note:
Window units not
shown for clarity
(TYP.)

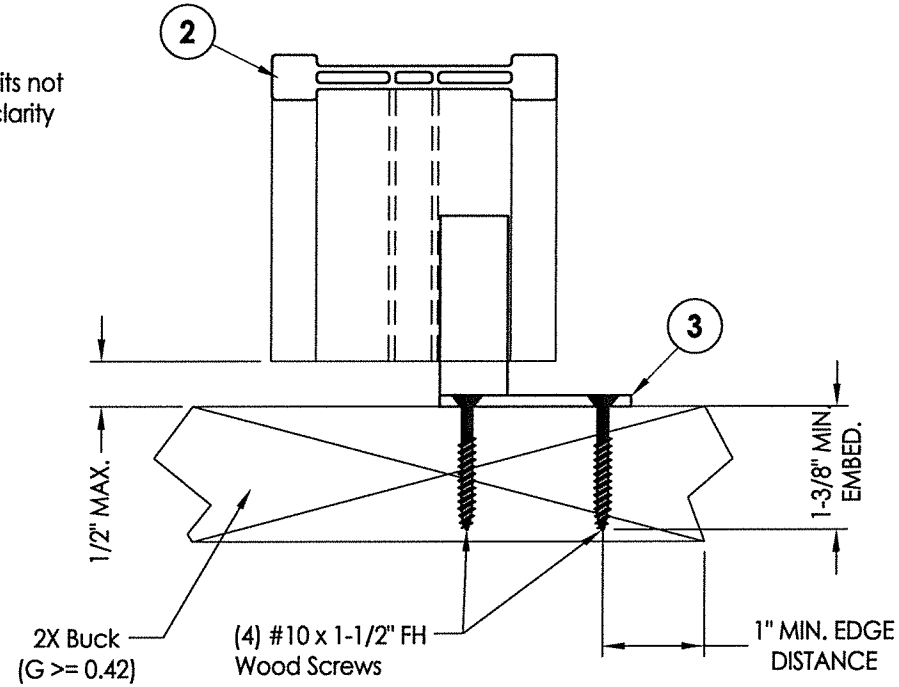


— #8 PH Self-Drilling SMS (See notes below):
Use the frame anchor spacing as shown on
the individual window product approval (The
min. required screw spacing is: 3" from each
end and 24" max. o.c. throughout).

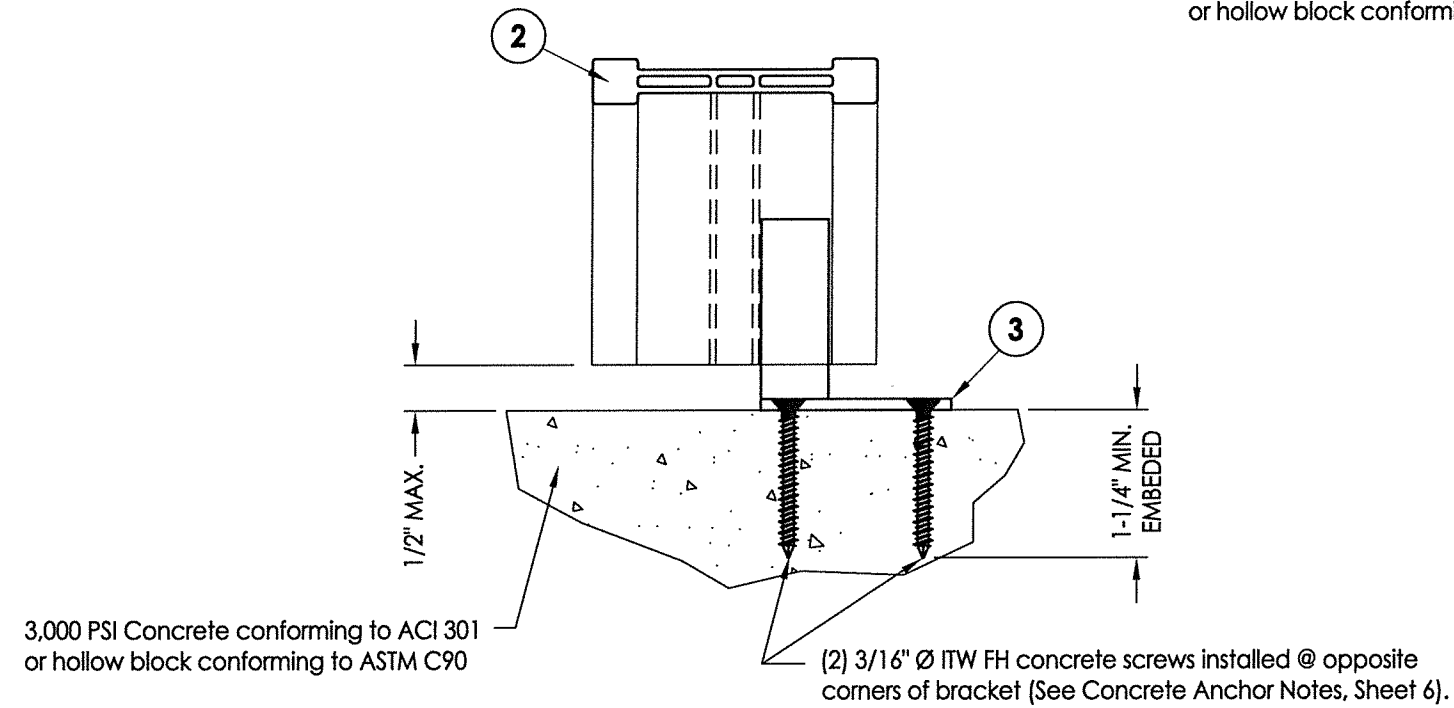
- Notes:
1. Refer to individual window product approval for fabrication and installation requirements, including glazing details, frame reinforcement and anchoring specifications.
 2. Sheet metal screws (self-drilling) shall have a minimum of 3 threads protrude completely through the mullion frame. Maintain a min. 1/2" edge distance.



Note:
Window units not
shown for clarity
(TYP.)

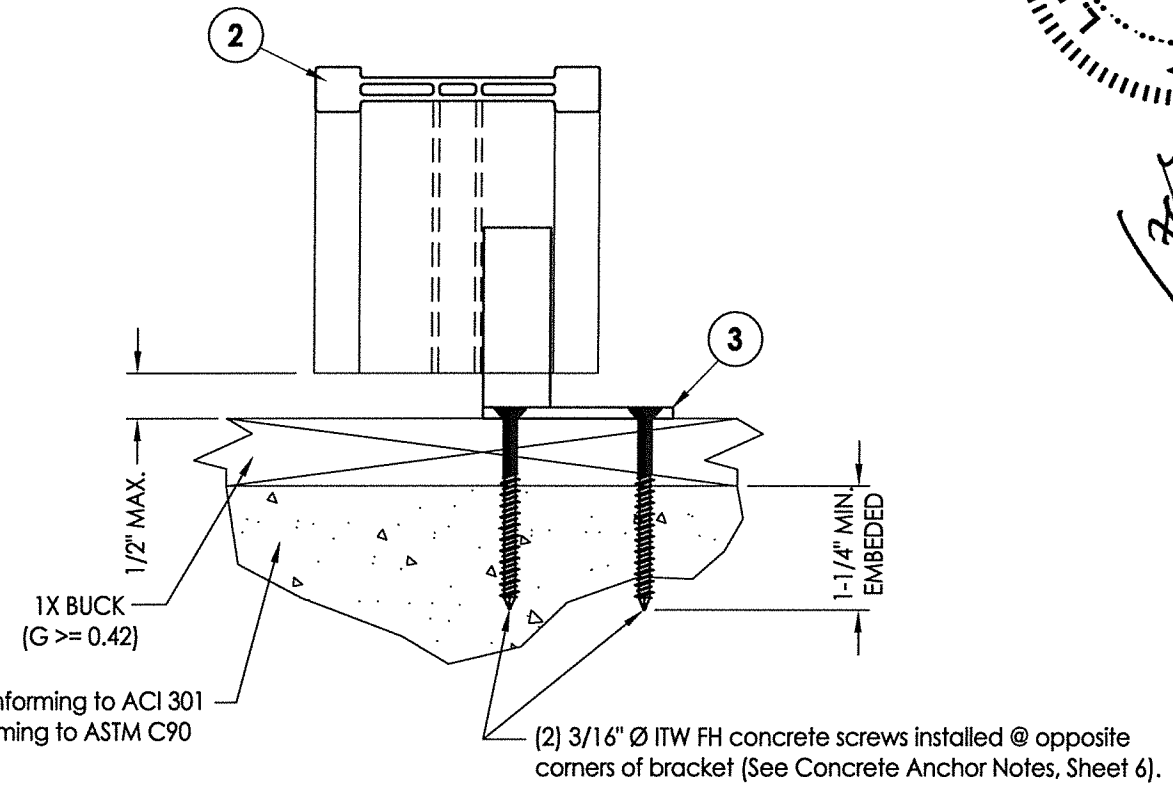


1 **ANCHOR BRACKET DETAIL**
4 Anchor to 2x buck



3 ANCHOR BRACKET DETAIL

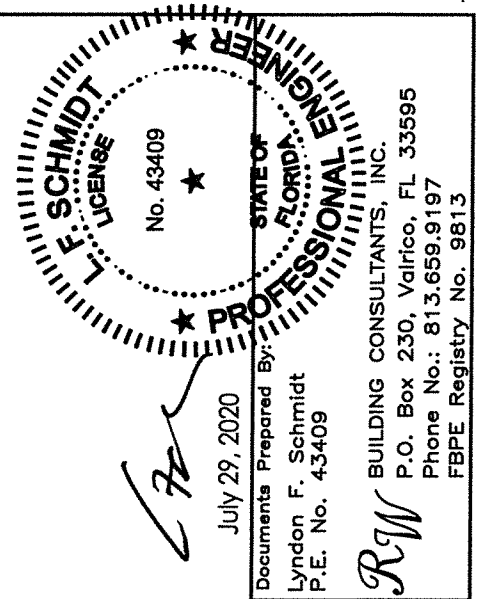
4 Direct to Masonry



2 ANCHOR BRACKET DETAIL
4 Anchor to masonry thru 1x buck

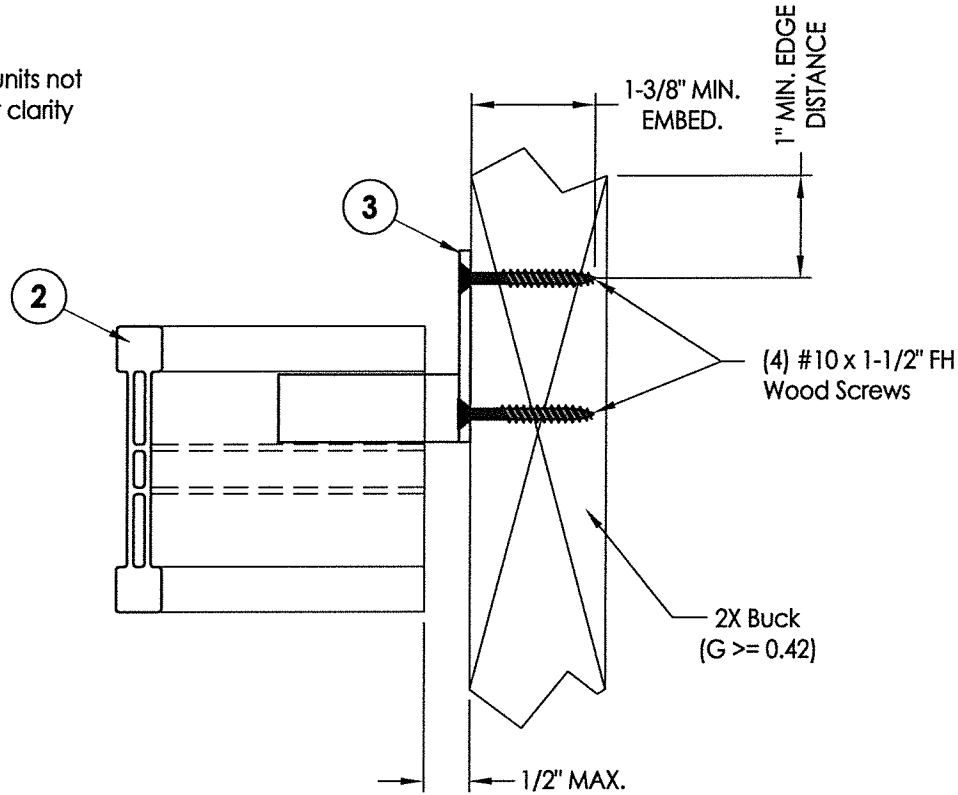
Note:

1. Refer to individual window product approval for fabrication and installation requirements, including glazing details, frame reinforcement and anchor specifications.

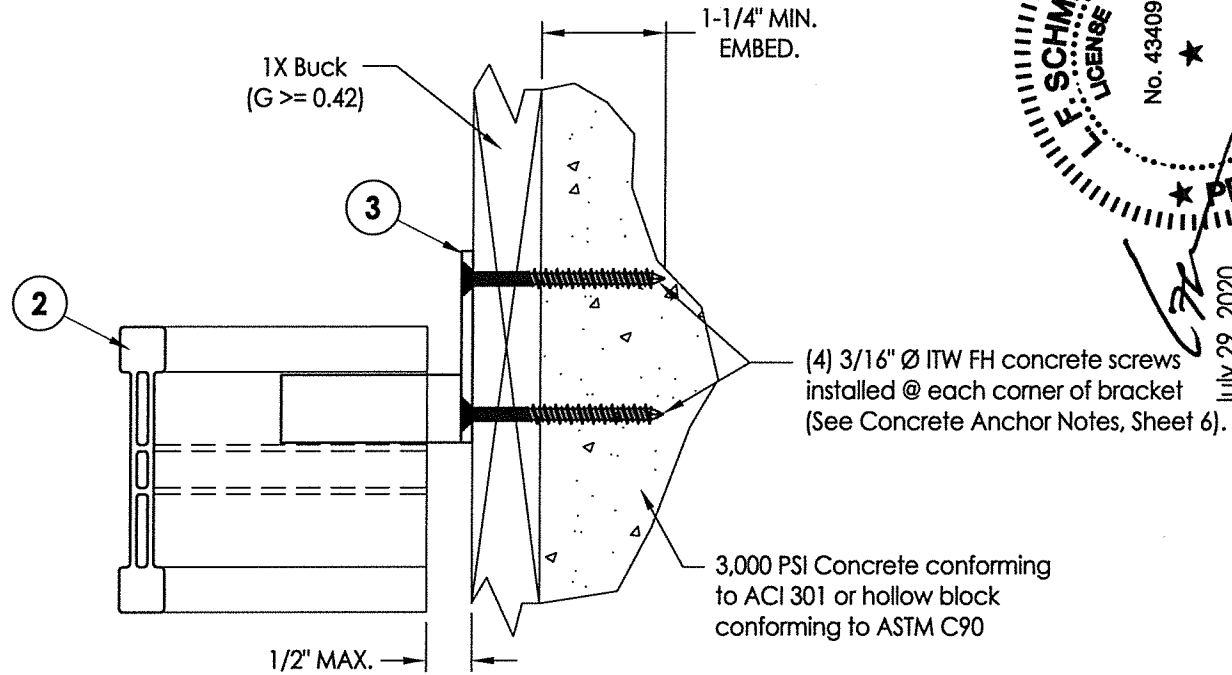


DATE: 4/04/12		CLIPPED MULLION		PRODUCT:
SCALE: N.T.S.				
DWG. BY: JK				PART OR ASSEMBLY:
CHK. BY: LFS				
DRAWING NO.: FL-15417.2				ANCHOR BRACKET DETAILS
SHEET 4 OF 6				

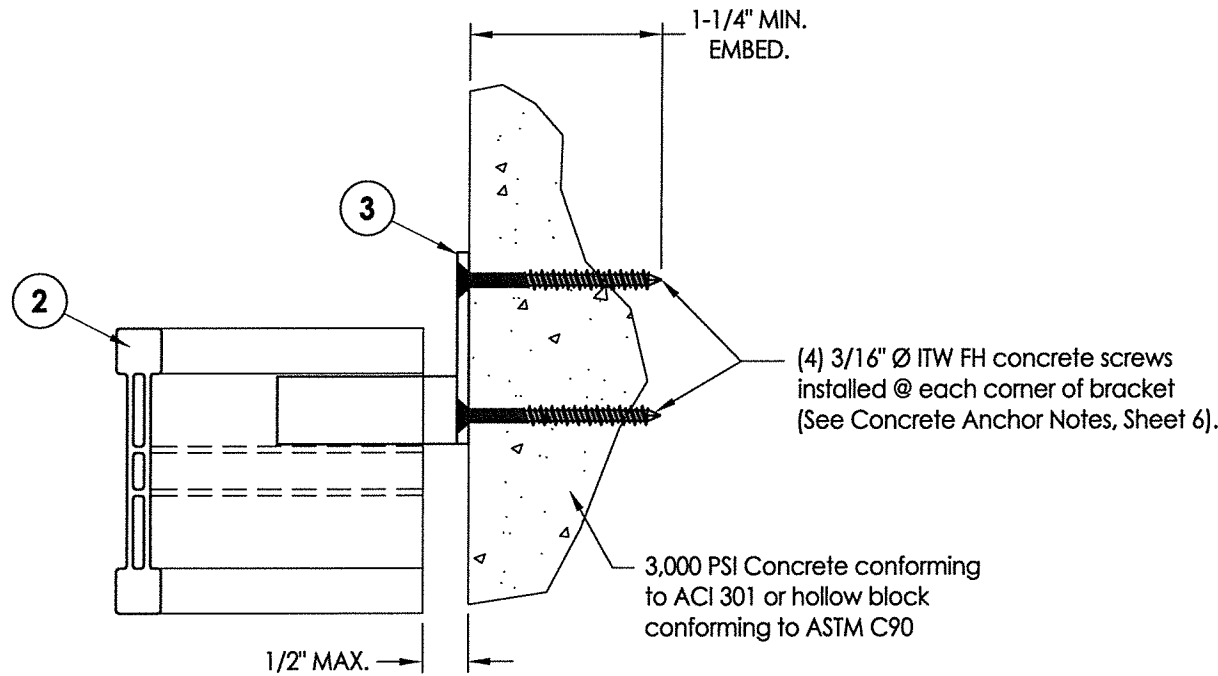
Note:
Window units not
shown for clarity
(TYP.)



1
5 **ANCHOR BRACKET DETAIL**
Anchor to 2x buck



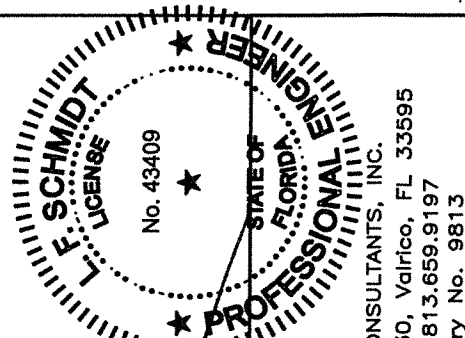
2
5 **ANCHOR BRACKET DETAIL**
Anchor to masonry thru 1x buck



3
5 **ANCHOR BRACKET DETAIL**
Direct to masonry

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.



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PRODUCT:		CLIPPED MULLION		PART OR ASSEMBLY:		ANCHOR BRACKET DETAILS	
					</		

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	3/16"	1-1/4"	2"	1-7/8"
ITW TAPCON®	1/4"	1-1/4"	2-1/2"	3"

- 

[Signature]

July 29, 2020

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P.E. No. 43409

DATE: **4/04/12**

SCALE: **N.T.S.**

DWG. BY: **JK**

CHK. BY: **LFS**

DRAWING NO.: **FL-15417.2**

SHEET 6 OF 6

PRODUCT:			
CLIPPED MULLION			
PART OR ASSEMBLY:			
BUCK ANCHORING			

REVISIONS			
3	7/29/20	UPDATE TO 7TH ED. (2020)	FBC
2	9/26/17	UPDATE TO 6TH ED. (2017)	FBC
1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC
NO. DATE			BY

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