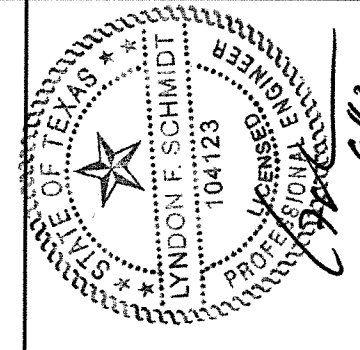




CLIPPED MULLION		TMP-2603 EXTRUDED ALUMINUM HORIZONTAL CLIPPED COMBINATION MULLION LOAD TABLE (PSF)																									
		OVERALL OPENING HEIGHT																									
		49"	53"	57"	61"	65"	69"	73"	77"	81"	85"	89"	93"	97"	101"	105"	109"	113"	117"	121"	125"	129"	133"	137"	141"	145"	
MAXIMUM MULLION LENGTH	84"	58.0	53.5	49.5	46.5	43.5	41.0	38.5	36.5	35.0	33.0	31.5	30.5	29.0	28.0	27.0	26.0	25.0	-	-	-	-	-	-	-	-	
	82"	62.0	57.5	53.5	50.0	47.0	44.0	41.5	39.5	37.5	36.0	34.0	32.5	31.5	30.0	29.0	28.0	27.0	26.0	25.0	-	-	-	-	-	-	
	80"	67.0	62.0	57.5	54.0	50.5	47.5	45.0	42.5	40.5	38.5	37.0	35.0	33.5	32.5	31.0	30.0	29.0	28.0	27.0	26.0	25.5	-	-	-	-	
	78"	72.0	67.0	62.0	58.0	54.5	51.0	48.5	46.0	43.5	41.5	39.5	38.0	36.5	35.0	33.5	32.5	31.0	30.0	29.0	28.0	27.5	26.5	25.5	25.0	-	
	76"	75.0	72.0	67.0	62.5	59.0	55.5	52.5	49.5	47.0	45.0	43.0	41.0	39.5	38.0	36.5	35.0	34.0	32.5	31.5	30.5	29.5	28.5	28.0	27.0	26.5	
	74"	75.0	75.0	73.0	68.0	64.0	60.0	56.5	54.0	51.0	48.5	46.5	44.5	42.5	41.0	39.5	38.0	36.5	35.5	34.0	33.0	32.0	31.0	30.0	29.5	28.5	
	72"	75.0	75.0	75.0	74.0	75.0	65.0	61.5	58.5	55.5	53.0	50.5	48.5	46.5	44.5	43.0	41.0	39.5	38.5	37.0	36.0	35.0	33.0	32.5	32.0	31.0	
	70"	75.0	75.0	75.0	75.0	75.0	71.0	67.0	63.5	60.5	57.5	55.0	52.5	50.5	48.5	46.5	45.0	43.0	42.0	40.0	39.0	38.0	36.5	35.5	34.5	33.5	
	68"	75.0	75.0	75.0	75.0	75.0	75.0	73.0	69.5	66.0	63.5	60.0	57.5	55.0	53.0	51.0	49.0	47.0	45.5	44.0	42.5	41.5	40.0	39.0	38.0	37.0	
	66"	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	72.0	69.0	65.5	63.0	60.0	58.0	55.5	53.5	51.5	50.0	48.0	46.5	45.0	44.0	42.5	41.5	40.0	
	64"	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	72.0	69.0	66.0	63.5	61.0	59.0	56.5	54.5	53.0	51.0	49.5	48.0	46.5	45.5	44.0	44.0	
	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	72.5	70.0	67.0	64.5	62.5	60.0	58.0	56.5	54.5	53.0	51.5	50.5	48.5
	60"	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	74.0	71.5	69.0	66.5	64.0	62.0	60.5	58.5	56.5	55.0	53.5	

**DESIGN PRESSURE TABLE NOTES:**

- Determine the Overall Opening Height for the two windows to be mullied together.
- Enter the table at the intersection of the Mullion Length and the Overall Opening Height to determine the maximum approved Design Pressure.

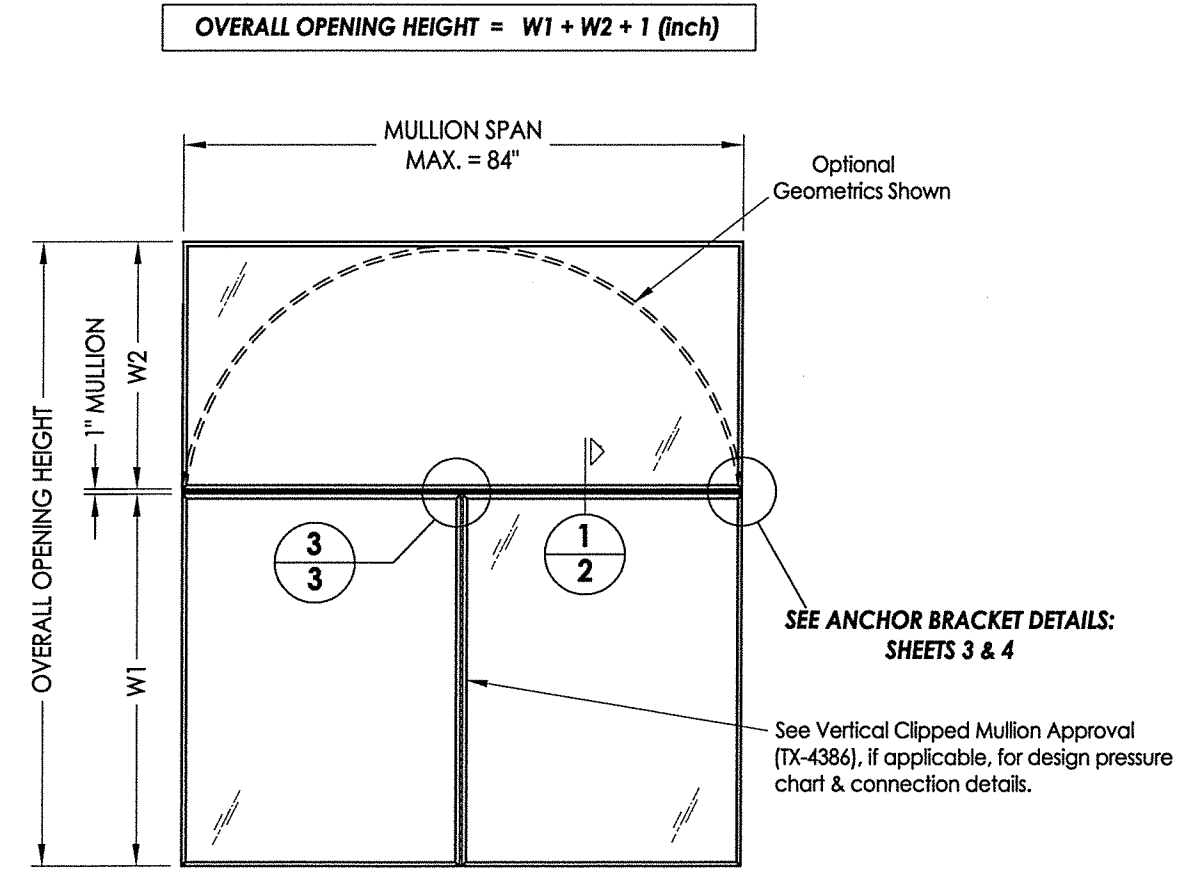
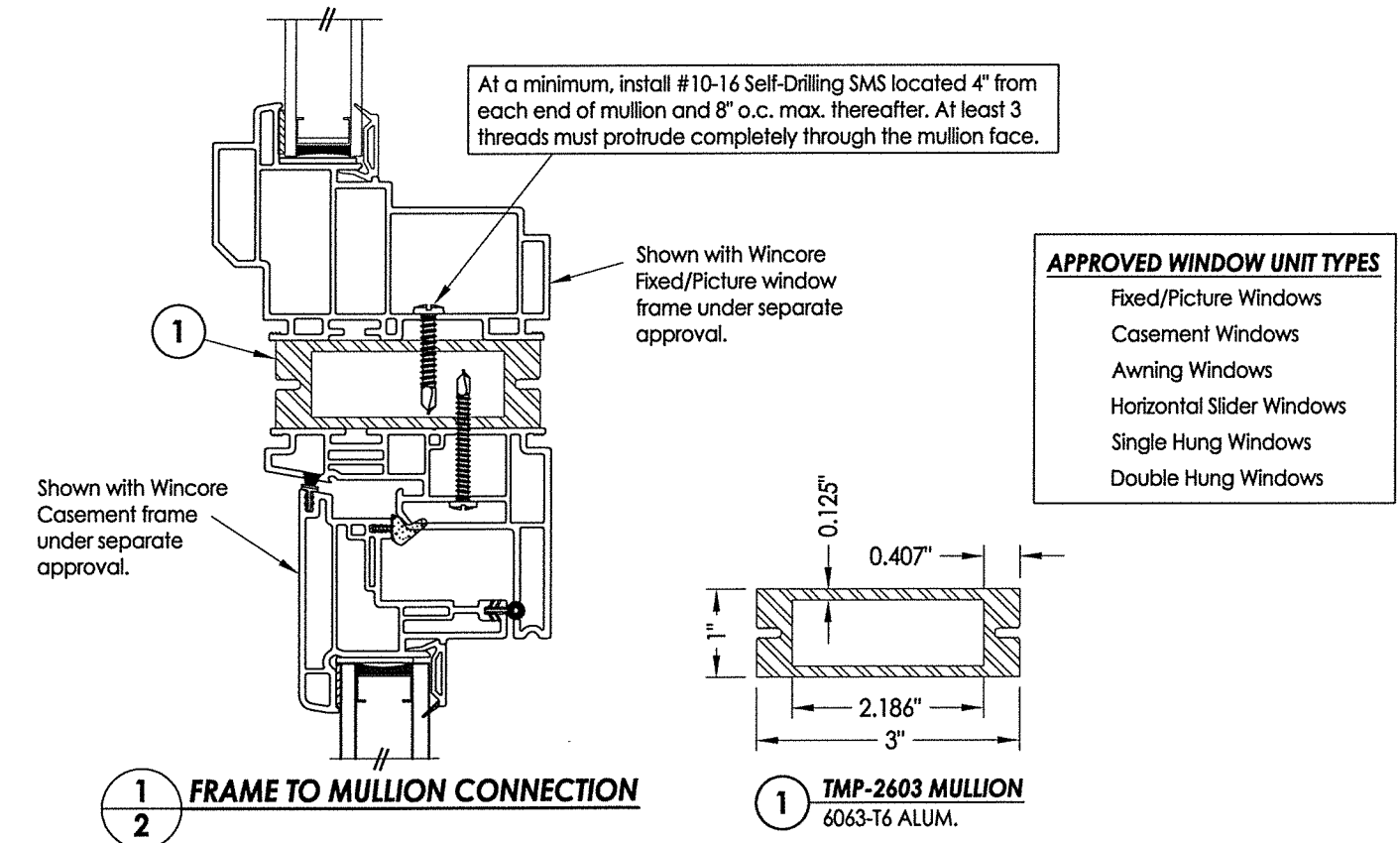


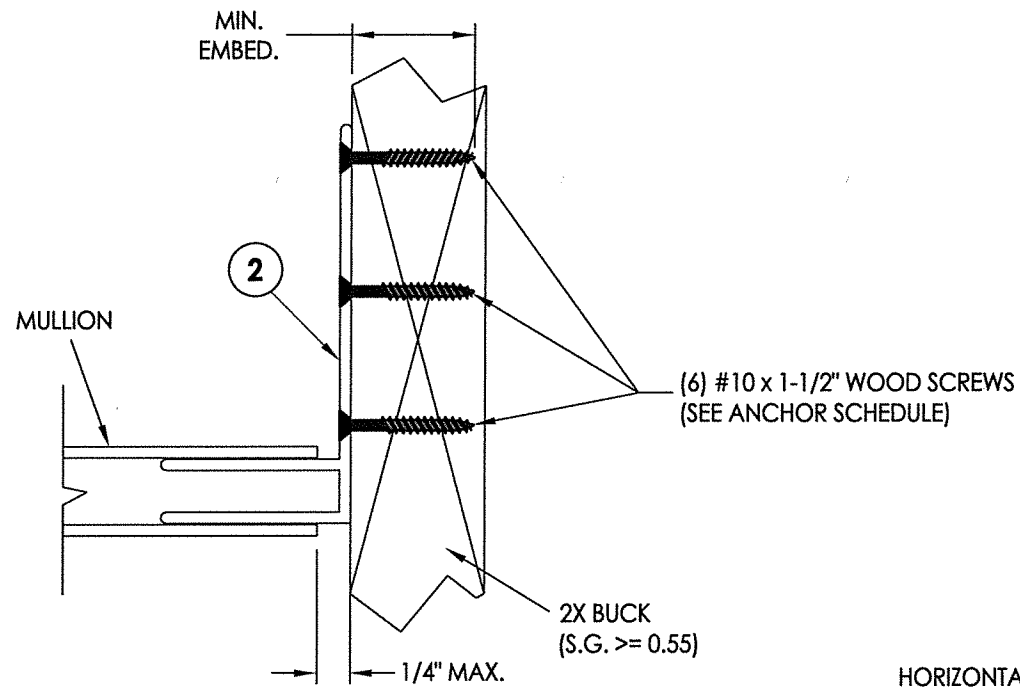
Documents Prepared By: Lyndon F. Schmidt, P.E.  
TEXAS P.E. #104123

**RW** BUILDING CONSULTANTS, INC.  
P.O. Box 230 Valrico FL 33595  
Phone No.: 813.659.9197

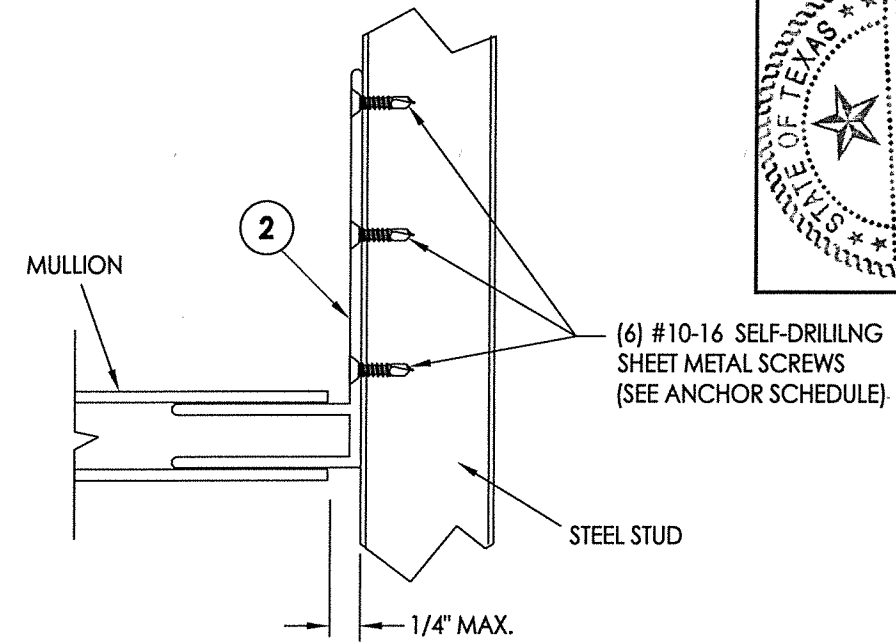
TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:	ALUMINUM CLIPPED MULLION		
PART OR ASSEMBLY:	MULLION DESIGN PRESSURE TABLE & CROSS SECTIONS		
DATE	NO.	DATE	BY
6/11/20	2	6/11/20	LFS
5/04/16	1	5/04/16	LFS
REVISIONS			
DATE:	11/25/14		
SCALE:	N.T.S.		
DWG. BY:	JK		
CHK. BY:	LFS		
DRAWING NO.:	TX-4389		
SHEET	2	OF	4

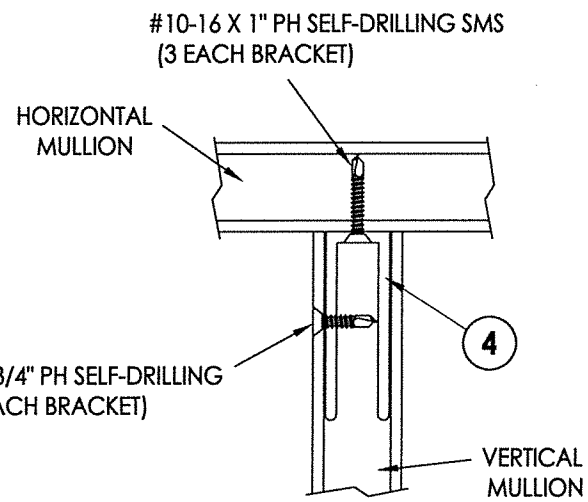




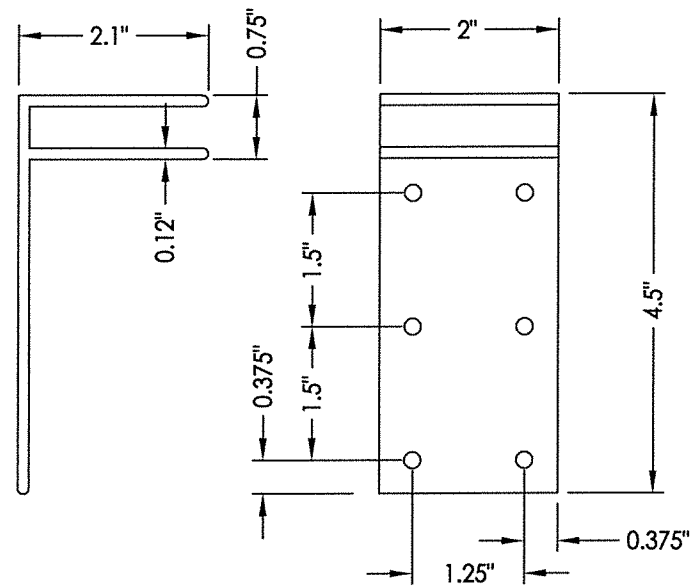
**1 ANCHOR BRACKET DETAIL**  
**3 Anchor to 2x Buck**



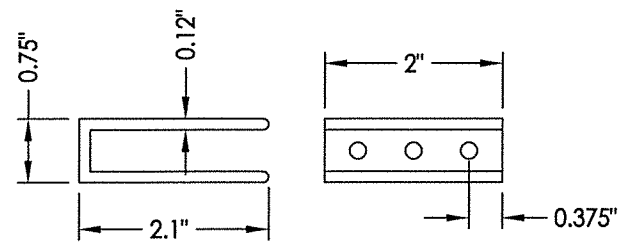
**2 ANCHOR BRACKET DETAIL**  
**3 Anchor to Steel Stud**



**3 VERTICAL CROSS SECTION**  
**3 Mullion-to-Mullion connection**



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



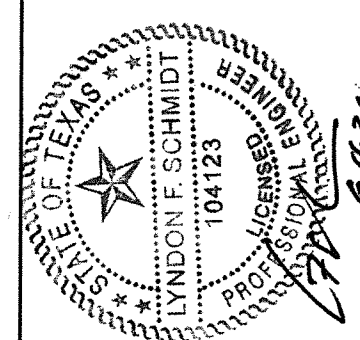
**4 MULLION-TO-MULLION ANCHOR BRACKET**  
 6063-T6 ALUM.

**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"

WOOD FRAMING (S.G. >= 0.42)  
 STEEL CONFORMING TO ASTM A653, 16 GA., .060" MIN. THICKNESS (F<sub>y</sub> = 33,000 PSI, F<sub>u</sub> = 45,000 PSI)  
 SHEET METAL SCREWS (SAE GRADE 5 MIN.): HILTI KWIK-FLEX or ELCO DRIL-FLEX



Documents Prepared By: Lyndon F. Schmidt, P.E.  
 TEXAS P.E. #104123

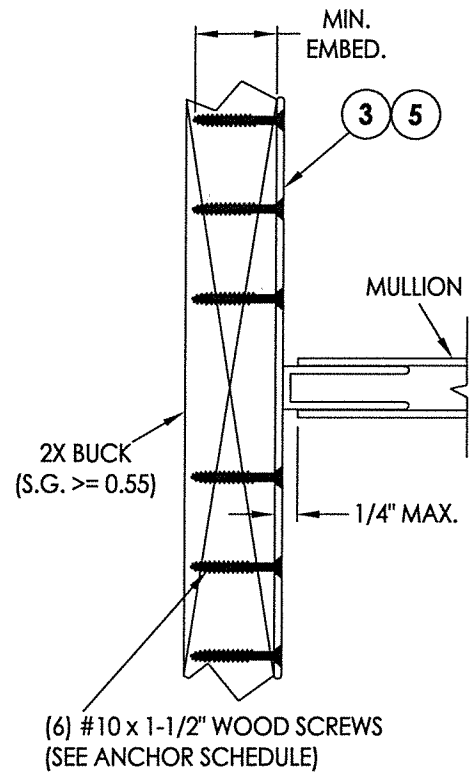
**RW** BUILDING CONSULTANTS, INC.  
 P.O. Box 230 Valrico FL, 33595  
 Phone No.: 813.659.9197

TEXAS BOARD OF PROFESSIONAL ENGINEERS  
 CERTIFICATE OF REGISTRATION # F-11852

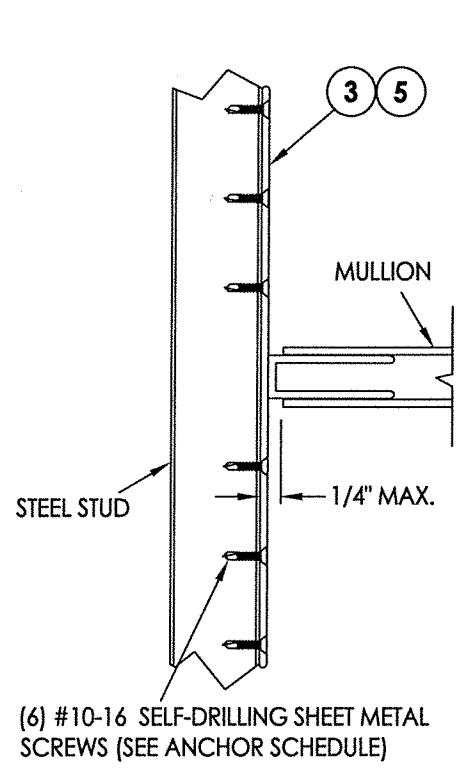
PRODUCT: ALUMINUM CLIPPED MULLION  
 PART OR ASSEMBLY: ANCHOR BRACKET DETAILS & CROSS SECTIONS

NO.	DATE	BY	REVISIONS
2	6/11/20	LFS	UPDATE TO 2018 IBC/IRC
1	5/04/16	LFS	MODIFY ANCHOR CLIP

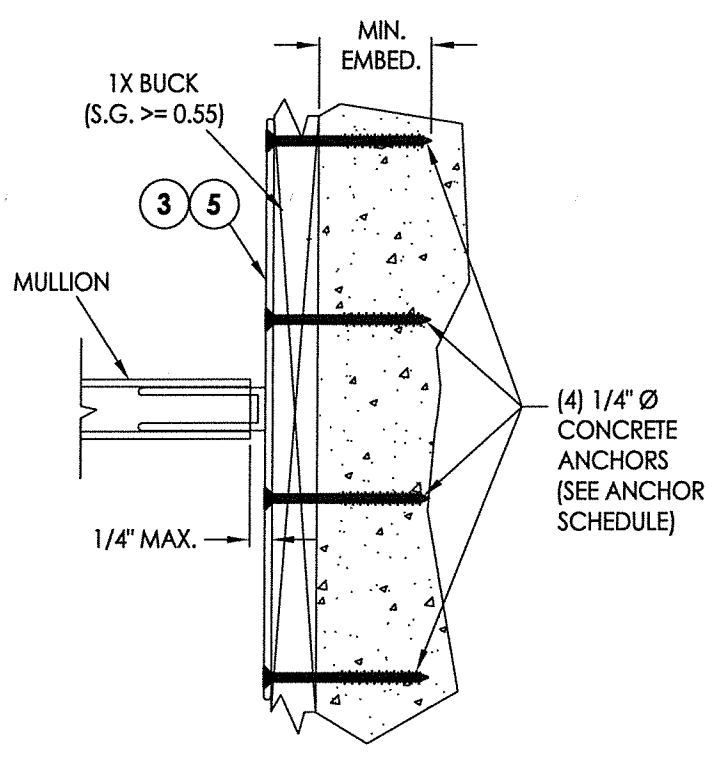
DATE: 11/25/14  
 SCALE: N.T.S.  
 DWG. BY: JK  
 CHK. BY: LFS  
 DRAWING NO.: TX-4389  
 SHEET 3 OF 4



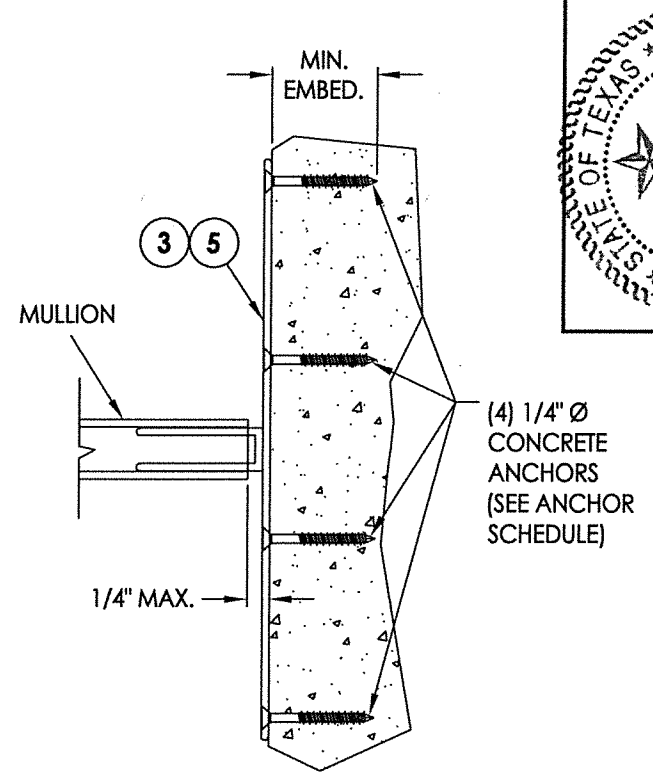
**1 ANCHOR BRACKET DETAIL**  
4 Anchor to 2x Buck



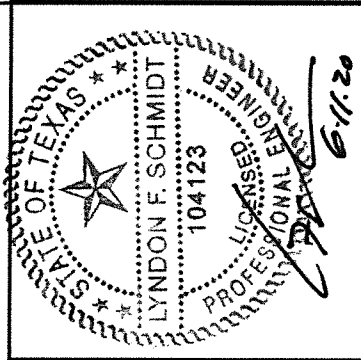
**2 ANCHOR BRACKET DETAIL**  
4 Anchor to Steel Stud



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



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



Documents Prepared By: Lyndon F. Schmidt, P.E.  
TEXAS P.E. #104123

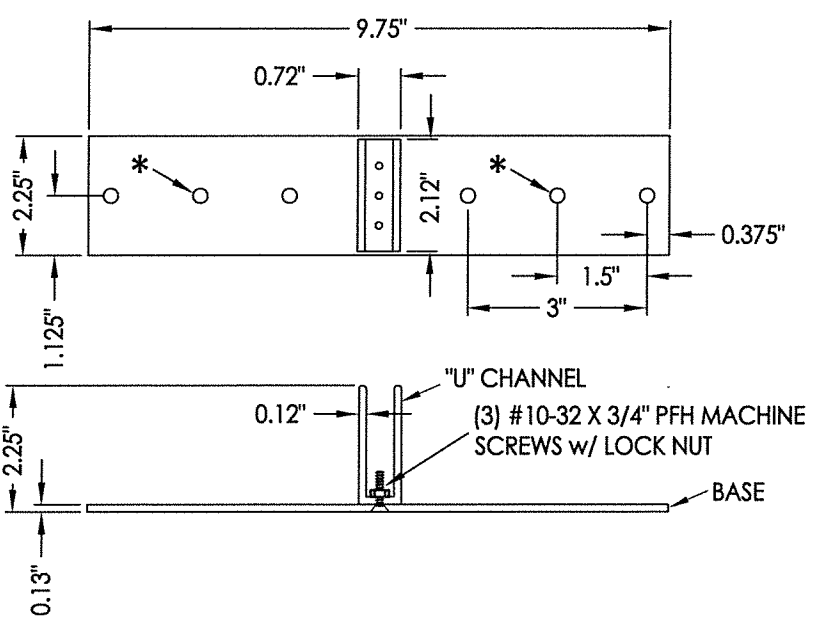
**RW** BUILDING CONSULTANTS, INC.  
P.O. Box 230 Valrico FL, 33595  
Phone No.: 813.659.9197

TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852

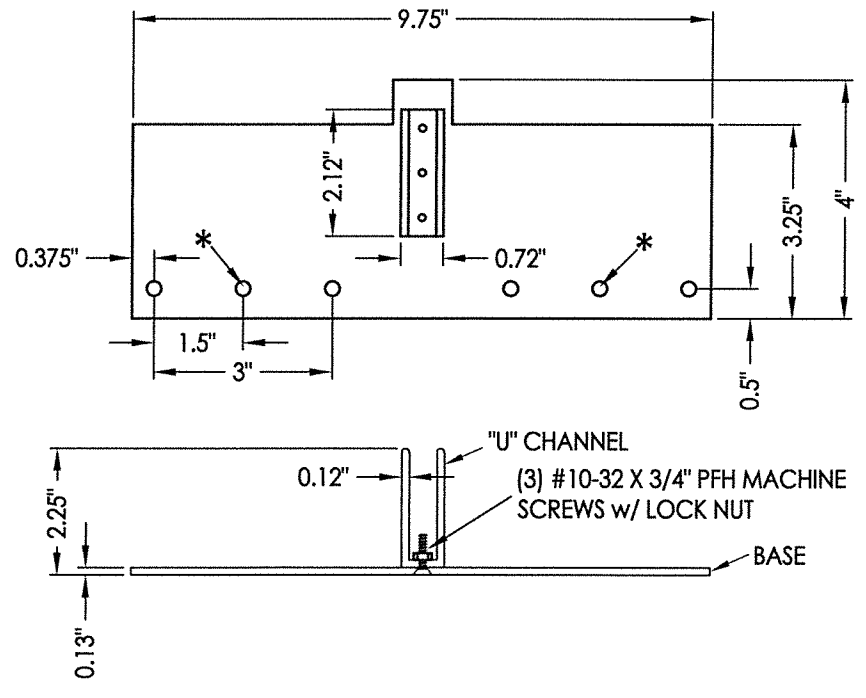
- Notes:**
- Refer to individual window product approval for fabrication and installation requirements, including glazing details, frame reinforcement and anchor specifications.
  - Mullion bracket anchoring details shown may be used at either end of mullion.

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 (Fy = 33,000 PSI, Fu = 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.

PRODUCT:	ALUMINUM CLIPPED MULLION
PART OR ASSEMBLY:	ANCHOR BRACKET DETAILS & CROSS SECTIONS
DATE:	11/25/14
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4389
SHEET	4 OF 4