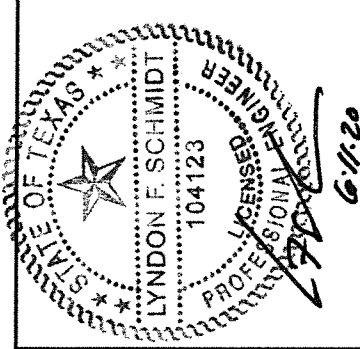




CLIPPED MULLION		TMP-2603 EXTRUDED ALUMINUM HORIZONTAL CLIPPED MULLION LOAD TABLE (PSF)																								
		OVERALL OPENING HEIGHT																								
MAXIMUM MULLION LENGTH	72"	75.0	75.0	75.0	75.0	75.0	75.0	75.0	72.0	69.5	67.5	65.5	63.5	61.5	60.0	59.0	57.5	56.5	55.5	55.0	54.5	54.0	53.5	53.5	53.5	
	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	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
	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
	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	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	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



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

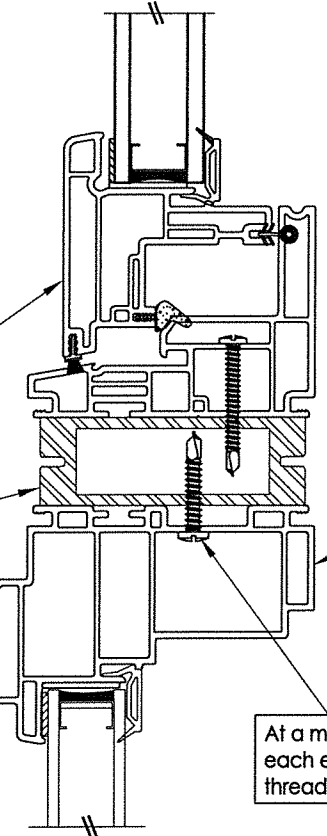
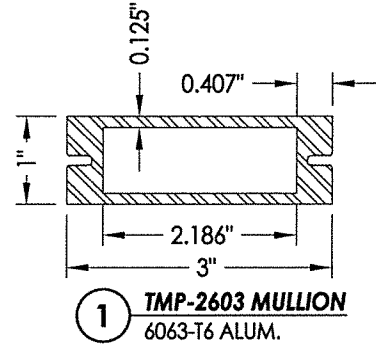
**RW** BUILDING CONSULTANTS, INC.  
P.O. Box 230 Valrico FL 33585  
Phone No.: 813.659.9197

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**DESIGN PRESSURE TABLE NOTES:**

- Determine the Overall Opening Height for the two windows to be mullied together. If multiple units are to be mullied 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.

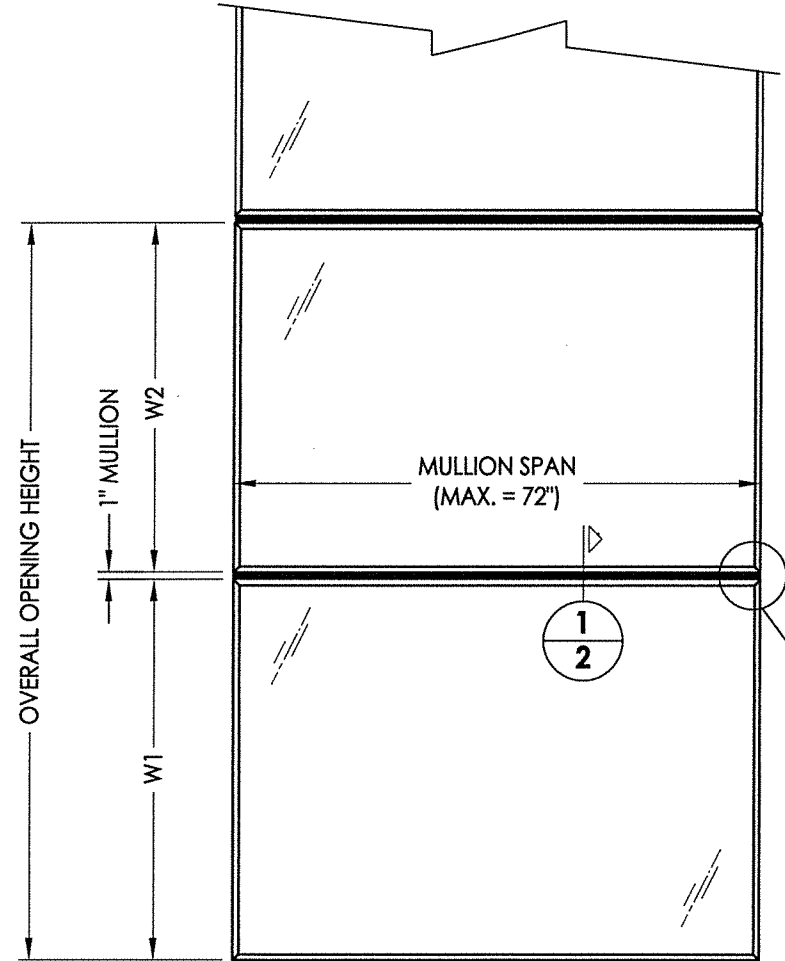
**OVERALL OPENING HEIGHT = W1 + W2 + 1 (inch)**



**1 FRAME TO MULLION CONNECTION**

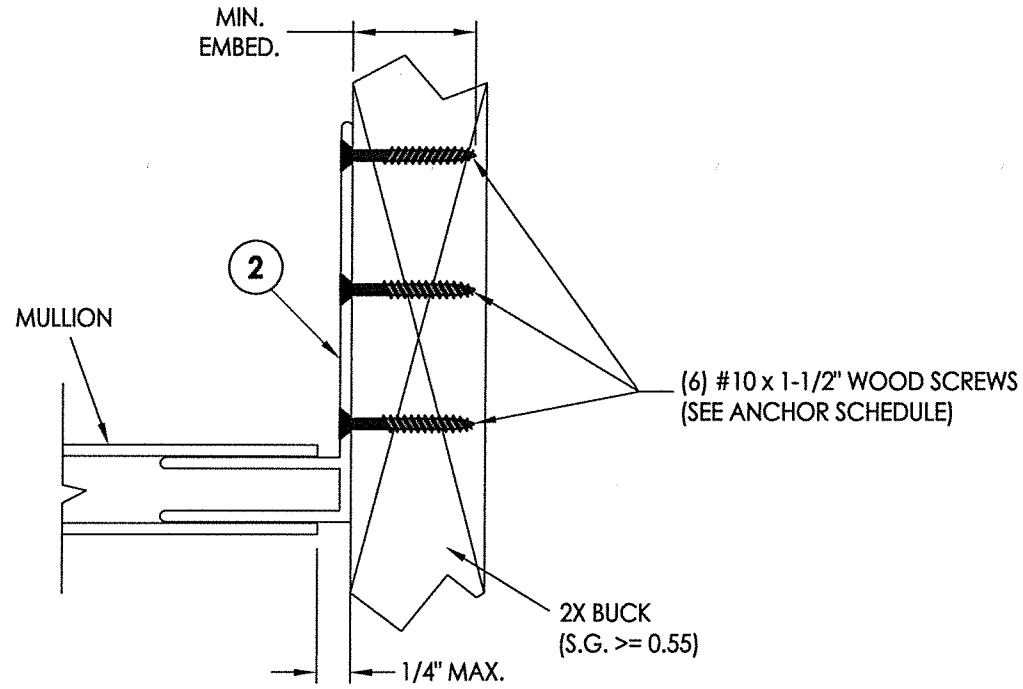
- APPROVED WINDOW UNIT TYPES**
- Fixed/Picture Windows
  - Casement Windows
  - Awning Windows
  - Horizontal Slider Windows
  - Single Hung Windows
  - Double Hung Windows

At a minimum, install #10-16 Self-Drilling SMS located 4" from each end of mullion and 8" o.c. max. thereafter. At least 3 threads must protrude completely through the mullion face.

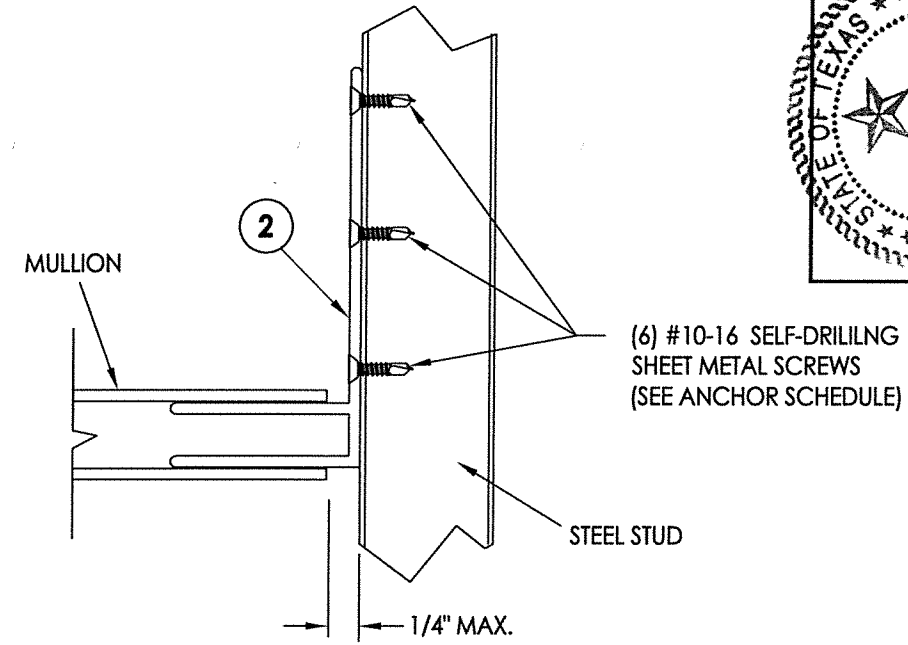


SEE ANCHOR BRACKET DETAILS: SHEETS 3 & 4

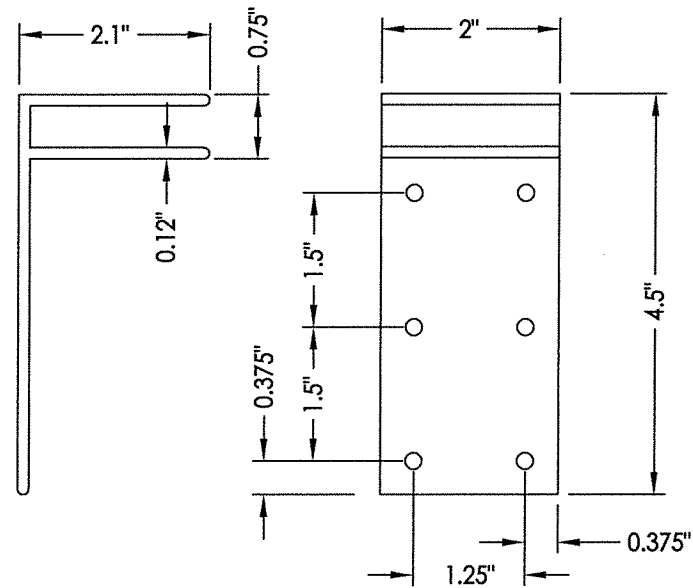
PRODUCT:	ALUMINUM CLIPPED MULLION	
PART OR ASSEMBLY:	MULLION DESIGN PRESSURE TABLE & CROSS SECTIONS	
NO.	DATE	BY
2	6/11/20	UPDATE TO 2018 IBC/IRC
1	5/04/16	MODIFY ANCHOR CLIP
REVISIONS		
DATE:	11/25/14	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	TX-4388	
SHEET	2	OF 4



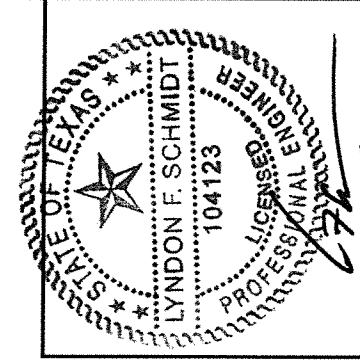
**1 ANCHOR BRACKET DETAIL**  
**3** Anchor to 2x Buck



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



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



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

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 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

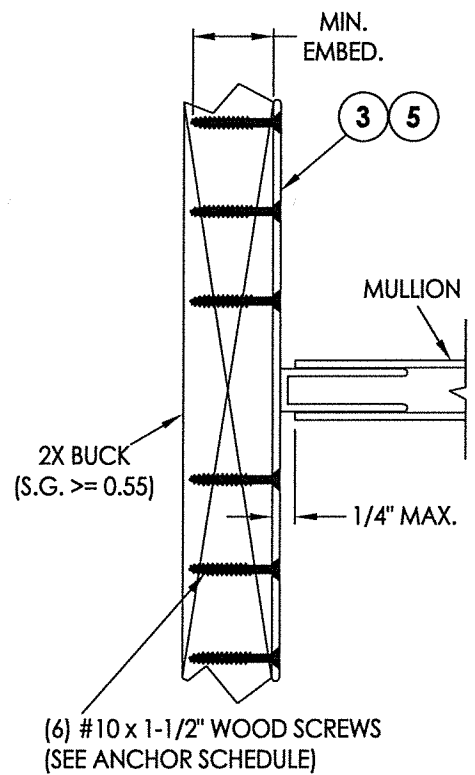
NO.	DATE	REVISIONS
2	6/11/20	UPDATE TO 2018 IBC/IRC
1	5/04/16	MODIFY ANCHOR CLIP
		BY

DATE: 11/25/14  
 SCALE: N.T.S.  
 DWG. BY: JK  
 CHK. BY: LFS  
 DRAWING NO.: TX-4388  
 SHEET 3 OF 4

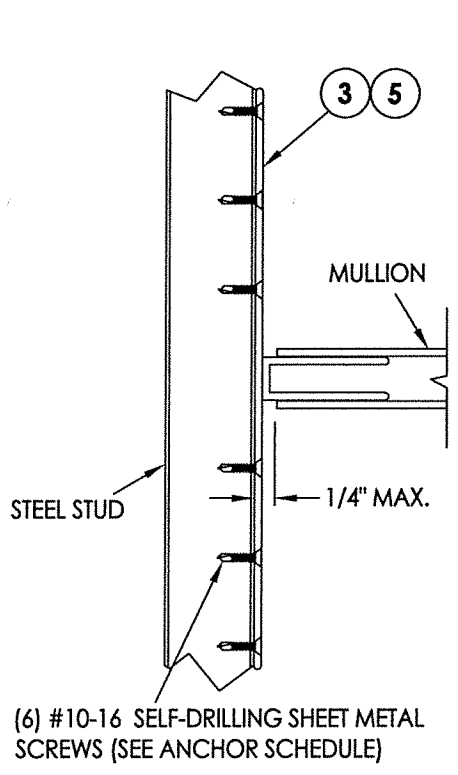
- Notes:
- Refer to individual window product approval for fabrication and installation requirements, including glazing details, frame reinforcement and anchor specifications.
  - Mullion bracket anchoring details shown may be used at either end of mullion.

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"

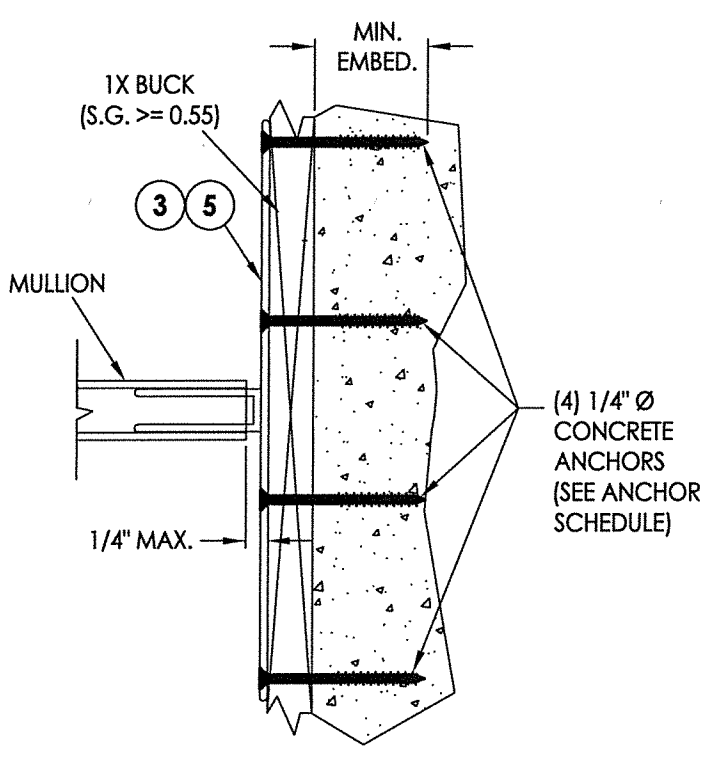
WOOD FRAMING (S.G. >= 0.42)  
 STEEL CONFORMING TO ASTM A653, 16 GA., 0.060" MIN. THICKNESS (Fy = 33,000 PSI, Fu = 45,000 PSI)  
 SHEET METAL SCREWS (SAE GRADE 5 MIN.): HILTI KWIK-FLEX or ELCO DRIL-FLEX



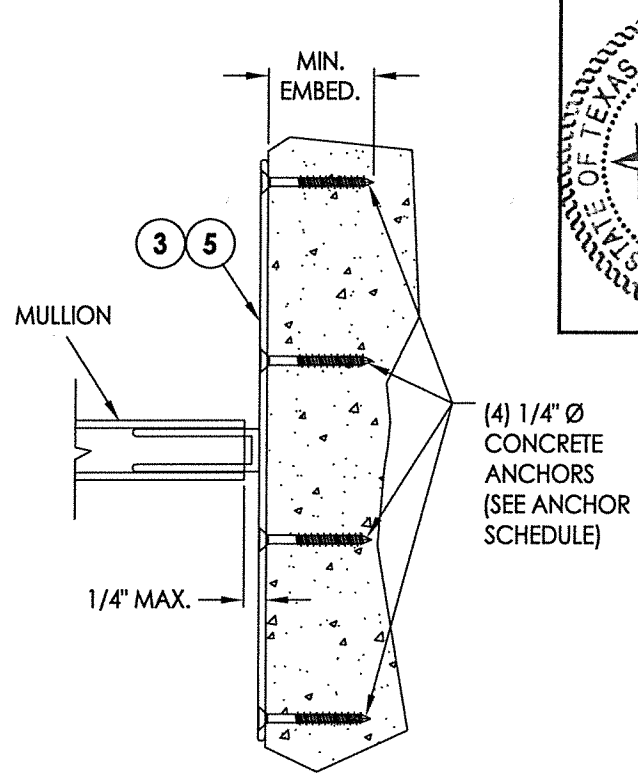
**1 ANCHOR BRACKET DETAIL**  
Anchor to 2x Buck



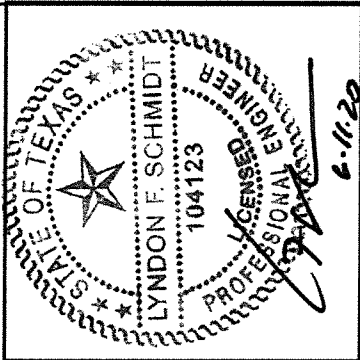
**2 ANCHOR BRACKET DETAIL**  
Anchor to Steel Stud



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



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

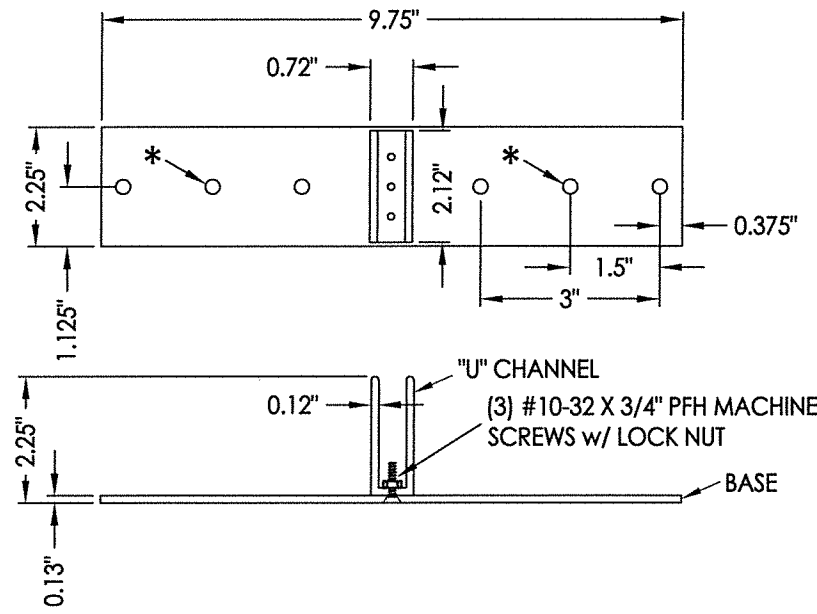


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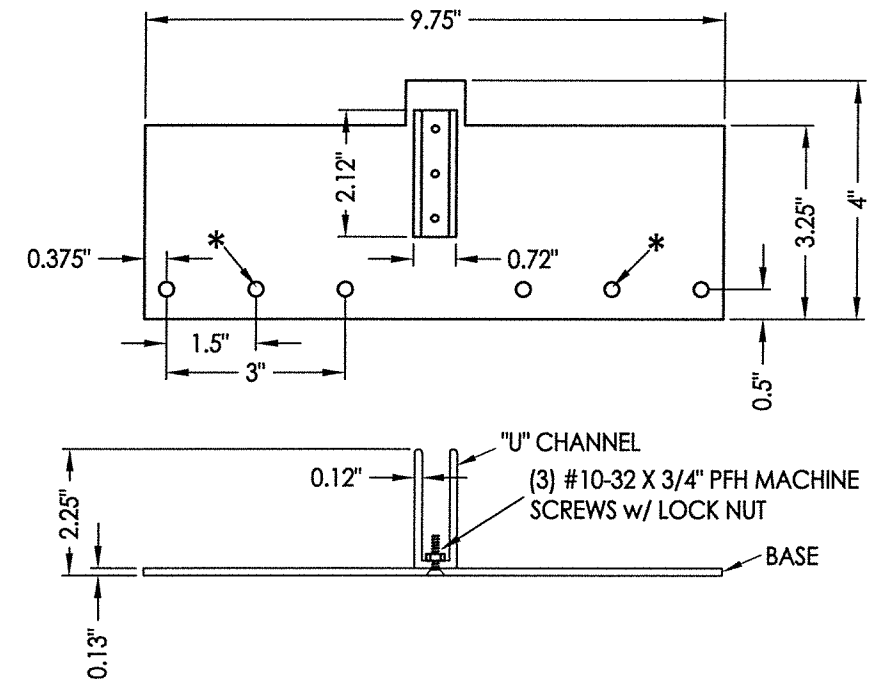
- Notes:
- Refer to individual window product approval for fabrication and installation requirements, including glazing details, frame reinforcement and anchor specifications.
  - Mullion bracket anchoring details shown may be used at either end of mullion.

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-4388
SHEET	4 OF 4