



**BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908**

NOTICE OF ACCEPTANCE (NOA)

**PGT Industries
1070 Technology Drive
Nokomis, FL 34275**

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: 2" x Heavy Wall - Aluminum Tube Clipped Mullion

APPROVAL DOCUMENT: Drawing No. 6623, titled "2" Heavy Wall Mullion", sheets 1 through 5 of 5, dated 04/28/00, with revision "A" dated 05/03/04, prepared by manufacturer, signed and sealed by Robert L.Clark, P.E., bearing the Miami-Dade County Product Control Revision Stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 02-0701.10 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



**NOA No 04-0528.06
Expiration Date: June 28, 2006
Approval Date: July 15, 2004
Page 1**

PGT Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **6623**, titled "2" Heavy Wall Mullion", Sheets 1 through 5 of 5, dated 04/28/00, with revision "A" on 05/03/04, prepared by manufacturer, signed and sealed by Robert L. Clark, P.E.

B. TESTS

1. Test reports on 1) Uniform Load Static Air Pressure Test, per FBC, TAS 202-94
2) Large Missile Impact Test, FBC, TAS 201-94
3) Cyclic Loading Test, per FBC, TAS 203-94
along with installation diagram of a pair of fixed alum. windows (OO configuration) 60" x 54" mullied together with a 1x 2 x std. wall mullion, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-2902**, dated 01/05/01, signed and sealed by Antonio Acevedo, P.E.
"Submitted under NOA # 01-0323.03"
2. Test reports on 1) Uniform Load Static Air Pressure Test, per FBC, TAS 202-94
2) Large Missile Impact Test, FBC, TAS 201-94
3) Cyclic Loading Test, per FBC, TAS 203-94
along with installation diagram of a pair of fixed alum. windows (OO configuration) 80" x 76" mullied together with a 1x 4 x std. wall mullion, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-2903**, dated 01/05/01, signed and sealed by Antonio Acevedo, P.E.
"Submitted under NOA # 01-0323.03"
3. Test reports on 1) Uniform Load Static Air Pressure Test, per FBC, TAS 202-94
2) Large Missile Impact Test, FBC, TAS 201-94
3) Cyclic Loading Test, per FBC, TAS 203-94
along with installation diagram of a pair of fixed alum. windows with a transom lite (O/OO configuration) mullied together with a 1x 2 x 3/4" wall vertical mullion and a 2 x 6" x 1/4" wall horizontal mullion, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-2975**, dated 01/23/01, signed and sealed by Antonio Acevedo, P.E.
"Submitted under NOA # 01-0323.03"

C. CALCULATIONS

1. Engineering Structural & Anchor Calculations, prepared by manufacturer, dated 08/20/00, revised on 5/24/01, signed and sealed by Robert L. Clark, P.E.
"Submitted under NOA # 01-0323.03"


Manuel Perez, P.E.
Product Control Examiner

NOA No 04-0528.06
Expiration Date: June 28, 2006
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PGT Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

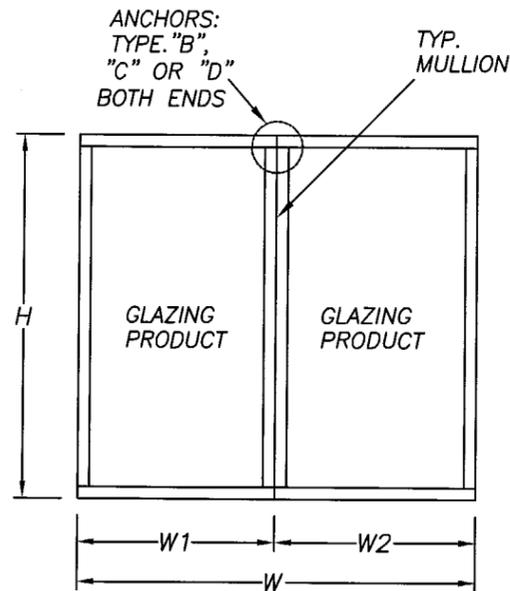
1. Statement letter of conformance, dated March 16, 2001, signed and sealed by Robert L. Clark, P.E.
“Submitted under NOA # 01-0323.03”
2. Statement letter of no financial interest, dated March 16, 2001, signed and sealed by Robert L. Clark, P.E.
“Submitted under NOA # 01-0323.03”
3. Laboratory compliance letter for Test Reports No. FTL-2902, FTL-2903 and FTL-2975, issued by Fenestration Testing Laboratory, Inc., dated January 30, 2001, signed and sealed by Antonio Acevedo, P.E.
“Submitted under NOA # 01-0323.03”

G. OTHER

1. Notice of Acceptance No. **02-0701.10**, issued to PGT Industries for their 2” x Heavy Wall-Aluminum Tube Clipped Mullion, approved on 07/12/2002 and expiring on 06/28/06.
2. Letter from consultant stating that the product is in compliance with the Florida Building Code (FBC).

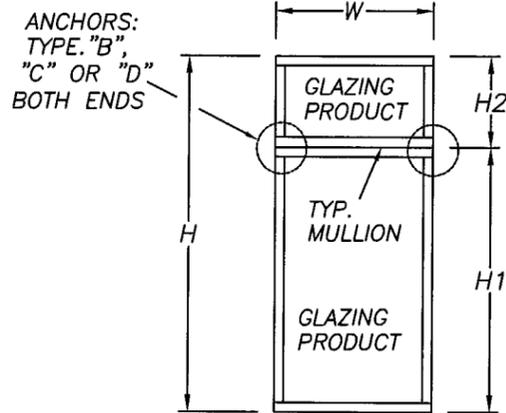


Manuel Perez, P.E.
Product Control Examiner
NOA No 04-0528.06
Expiration Date: June 28, 2006
Approval Date: July 15, 2004



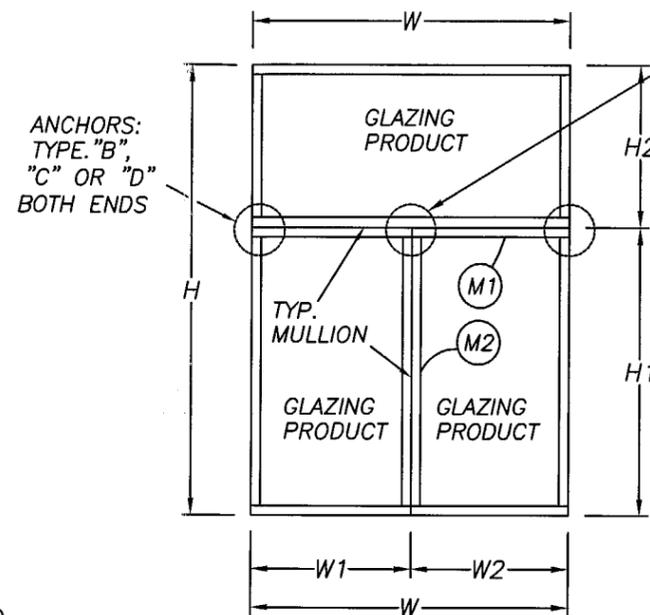
$W = W1+W2$
(2) WINDOWS MULLED TOGETHER

FOR DETERMINING MAX ALLOWABLE
 DESIGN PRESSURE SEE TABLES
 ON PAGE 5 OF 5
 MAX OPENING = W OR $W1+W2$
 MULL LENGTH = H



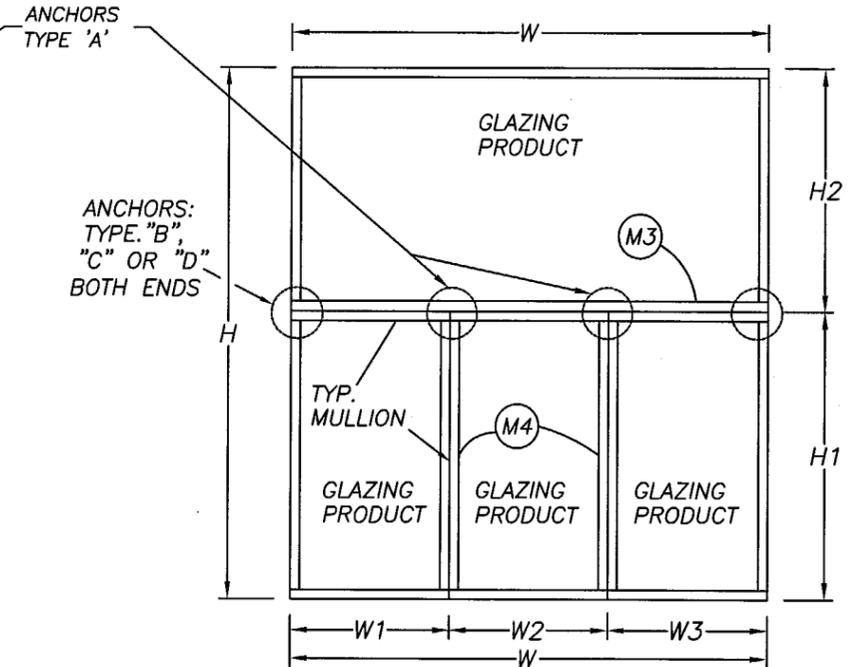
$H = H1+H2$
**(1) WINDOW MULLED
 W/ONE ABOVE**

FOR DETERMINING MAX ALLOWABLE
 DESIGN PRESSURE SEE TABLES
 ON PAGE 5 OF 5
 MAX OPENING = H OR $H1+H2$
 MULL LENGTH = W



$W = W1+W2$
 $H = H1+H2$
**(2) WINDOWS MULLED
 W/ONE ABOVE**

FOR DETERMINING MAX ALLOWABLE
 DESIGN PRESSURE SEE TABLES
 ON PAGE 5 OF 5
 M1) MAX OPENING = H OR $H1+H2$
 MULL LENGTH = W OR $W1+W2$
 M2) MAX OPENING = W OR $W1+W2$
 MULL LENGTH = $H1$



$W = W1+W2+W3$
 $H = H1+H2$
**MULTIPLE WINDOWS MULLED
 W/ONE ABOVE**

FOR DETERMINING MAX ALLOWABLE
 DESIGN PRESSURE SEE TABLES
 ON PAGE 5 OF 5
 M3) MAX OPENING = H OR $H1+H2$
 MULL LENGTH = W OR $W1+W2+W3$
 M4) MAX OPENING = $W1+W2$ OR $W2+W3$
 MULL LENGTH = $H1$

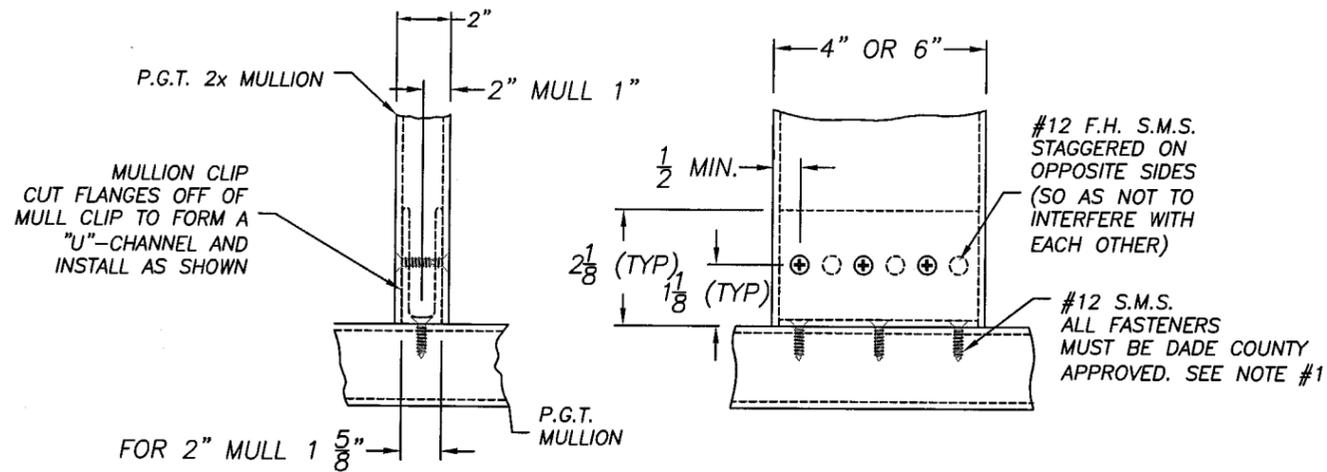
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 04-0528.06
 Expiration Date June 28, 2006
 By Manuel Perez
 Miami Dade Product Control
 Division

NOTES:

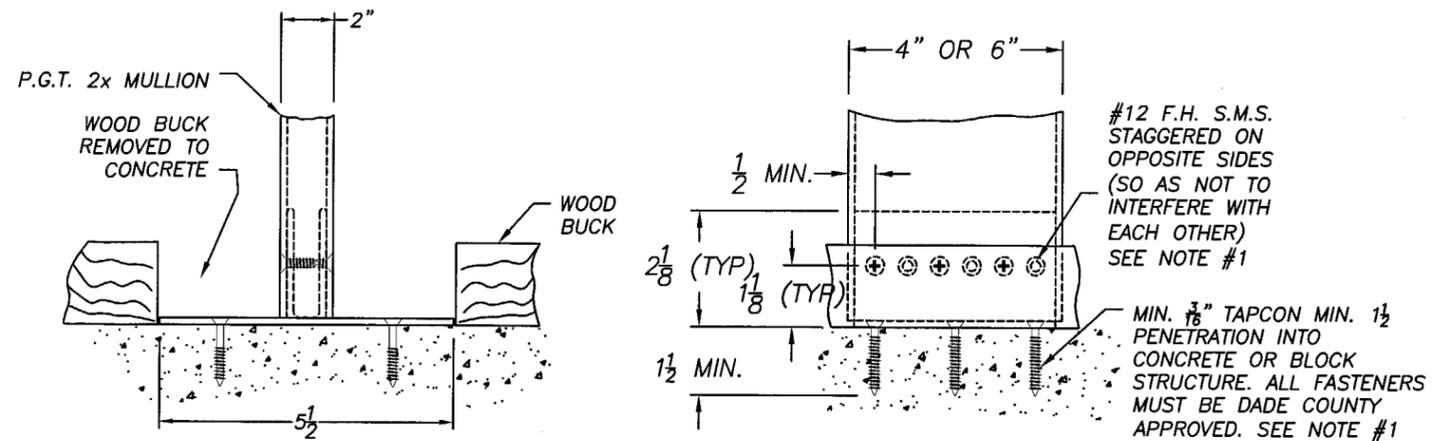
1. FOR ANCHORAGE TYPE, QUANTITY AND LOCATION REFER TO SHEETS 2, 3 AND 5
2. WINDOWS MAY BE MULLED TOGETHER, TO A MAX. OF 7 UNITS
3. MULLIONS ARE APPROVED FOR IMPACT & NON-IMPACT
4. REFERENCE TEST REPORT FTL-2902, 2903 AND 2975

R. L. Clark
 7/30/04
 Robert L. Clark, P.E.
 PE #39712
 Structural

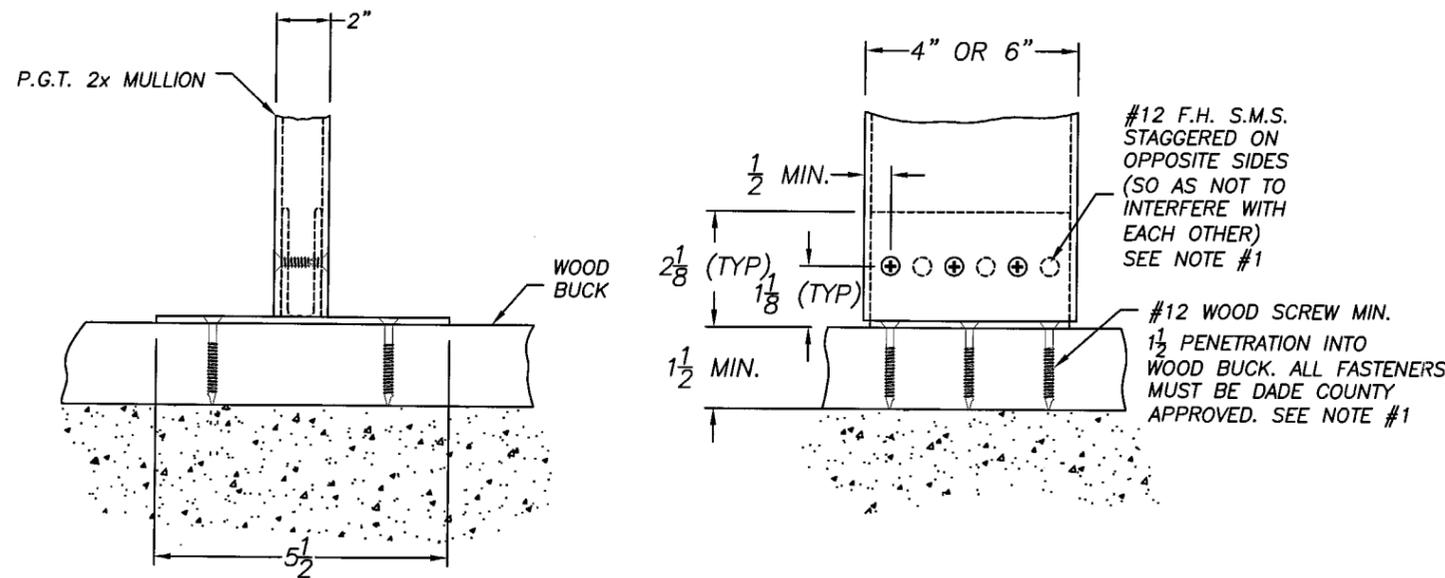
TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS							
PGT INDUSTRIES	Revsd By:	Date:	Chkd By:	Date:	Revisions:		
	F.K.	5/3/04			A - ADD NOTATION		
	Drawn By:	Date:					
	P.J.P.	4/28/00					
Description: 2" HEAVY WALL MULLION ARRANGEMENT DETAIL							
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275	P.O. BOX 1529 NOKOMIS, FL 34274	Series/Model:	Scale:	Sheet:	Drawing No.	Rev:	
		MULLS	1x	1 of 5	6623	A	



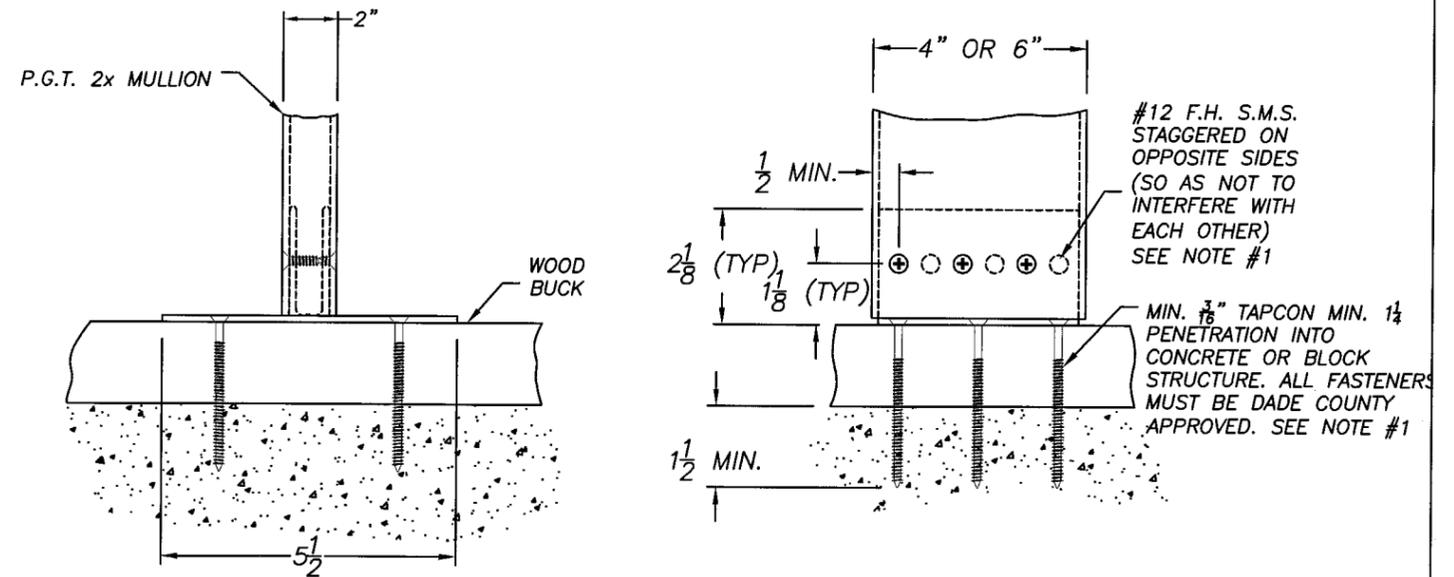
TYPICAL MULLION TO MULLION INSTALLATION TYPE "A".



TYPICAL MULLION TO STRUCTURE WITH WOOD BUCK REMOVED FROM CONC. TYPE "C".



TYPICAL MULLION TO STRUCTURE WITH WOOD BUCK TYPE "B".



TYPICAL MULLION TO STRUCTURE WITH WOOD BUCK AND CONC. TYPE "D".

NOTE:

1. FOR MULL SIZE AND QUANTITY OF ANCHORS REQUIRED SEE SHEET 5. FOR ANCHOR LOCATIONS SEE SHEET 3. QUANTITY OF ANCHORS FOR MULL-TO-CLIP IS THE SAME AS THE QUANTITY OF ANCHORS FROM CLIP-TO-OPENING.
2. REFERENCE TEST REPORT FTL-2902, 2903 AND 2975

IMPORTANT:

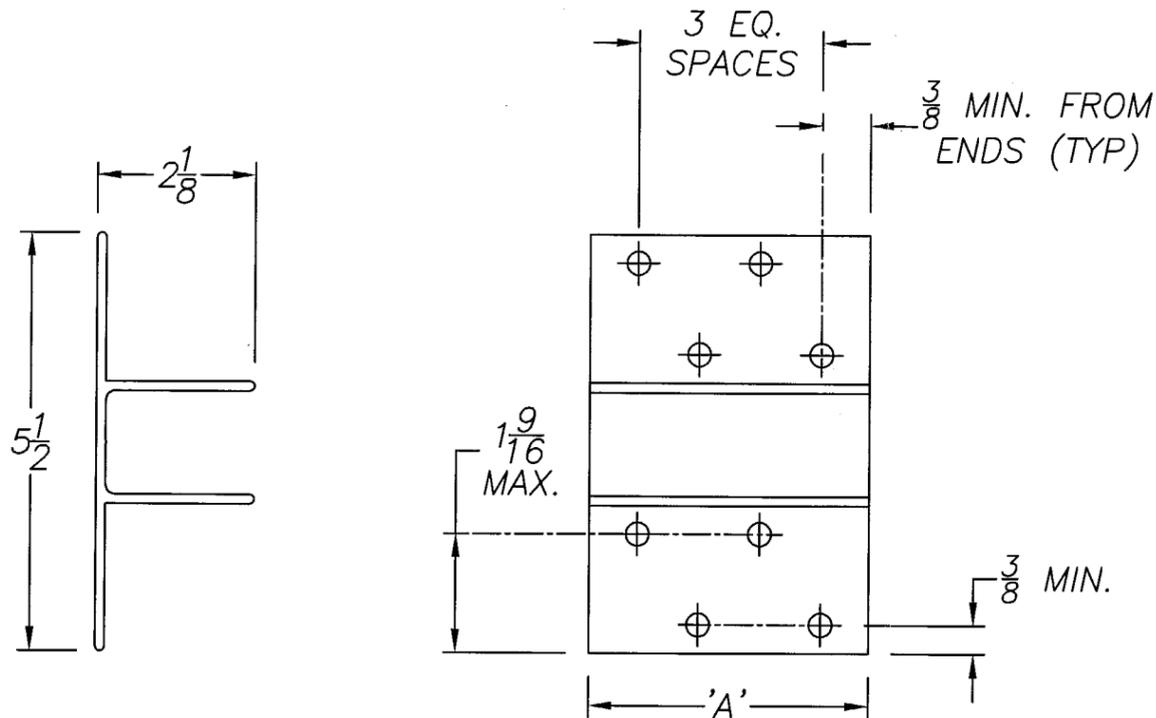
QUANTITY OF ANCHORS SHOWN ARE FOR A PICTORIAL REPRESENTATION ONLY. FOR CORRECT QUANTITY OF ANCHORS PLEASE REFER TO CHARTS AND FIND THE CORRECT MULL SIZE AND PRESSURE REQ'D FOR YOUR SPECIFIC APPLICATION.

Robert L. Clark
 Robert L. Clark, P.E.
 PE #39712
 Structural

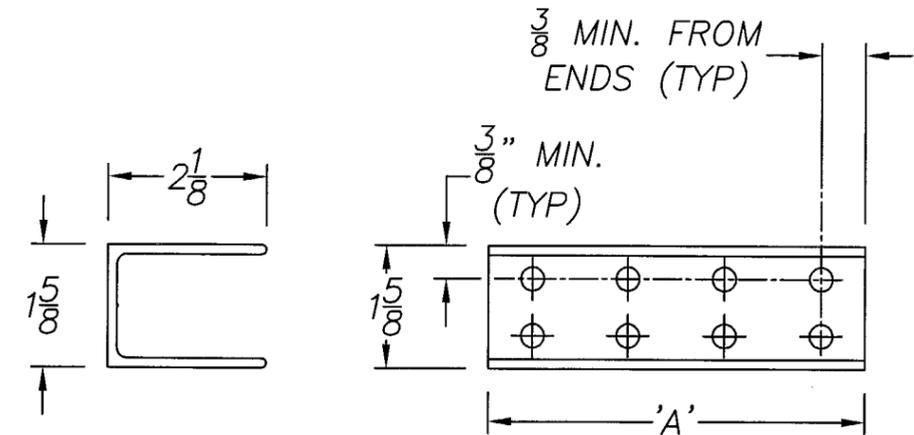
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. **04-0528.06**
 Expiration Date **June 28, 2006**
 By *Manuel Perez*
 Miami Dade Product Control
 Division

TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS						
PGT INDUSTRIES	Revsd By:	Date:	Chkd By:	Date:	Revisions:	
	F.K.	5/3/04			A - ADD NOTATION	
	Drawn By:	Date:				
	P.J.P.	4/28/00				
Description: 2" HEAVY WALL MULLION & CLIP INSTALLATION DETAIL						
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275	P.O. BOX 1529 NOKOMIS, FL 34274	Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
		MULLS	1x	2 of 5	6623	A

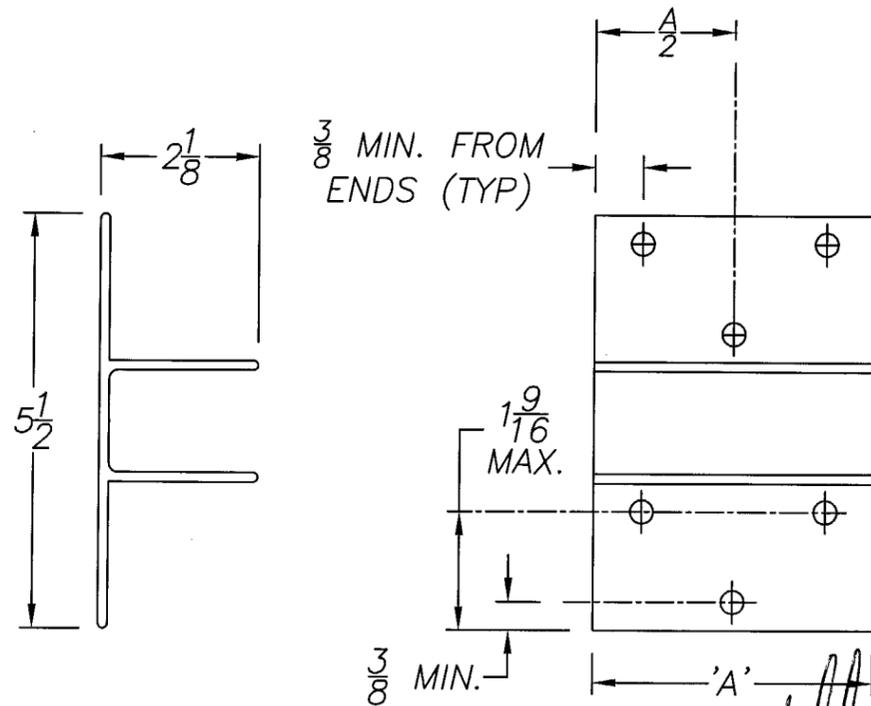
IMPORTANT:
 QUANTITY OF ANCHORS SHOWN ARE FOR A PICTORIAL REPRESENTATION ONLY. FOR CORRECT QUANTITY OF ANCHORS PLEASE REFER TO CHARTS AND FIND THE CORRECT MULL SIZE AND PRESSURE REQ'D FOR YOUR SPECIFIC APPLICATION.



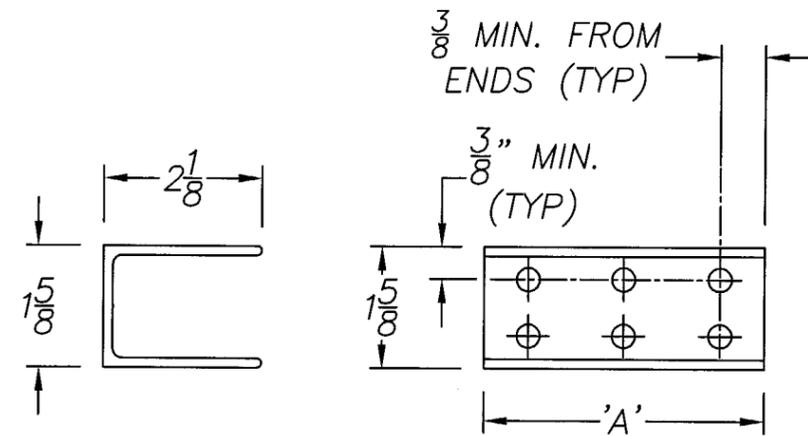
**2" MULL CLIP
 (8) ANCHOR LOCATIONS**
 EXTRUSION DWG # 513



**2" MULL CLIP W/TABS
 REMOVED (8) ANCHOR LOCATIONS**
 EXTRUSION DWG # 513



**2" MULL CLIP
 (6) ANCHOR LOCATIONS**
 EXTRUSION DWG # 513



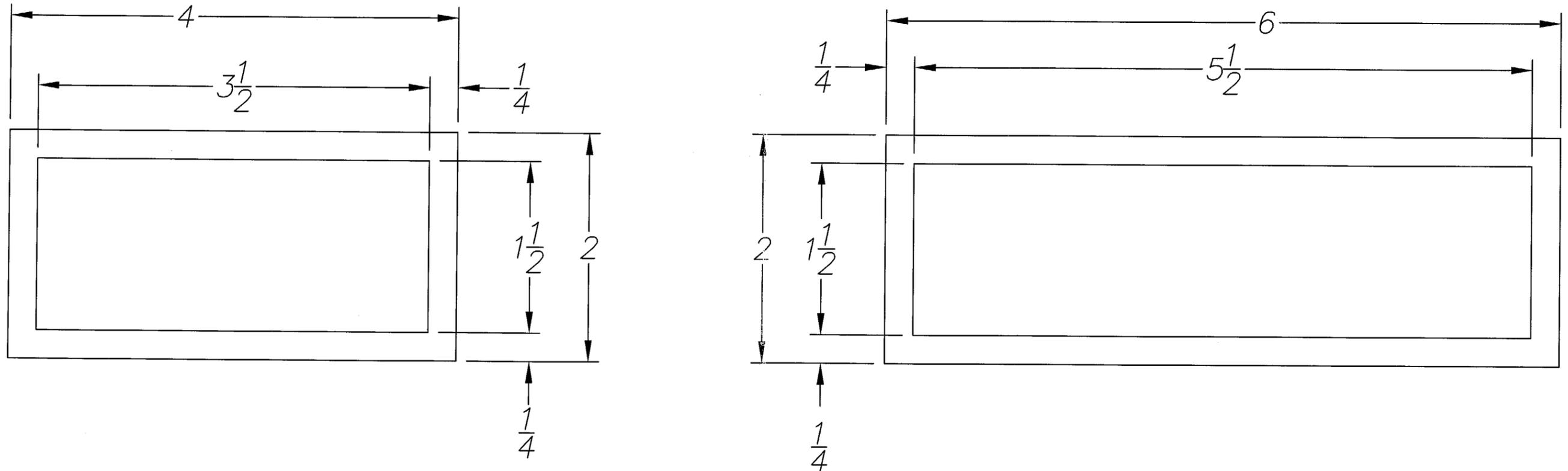
**2" MULL CLIP W/TABS
 REMOVED (6) ANCHOR LOCATIONS**
 EXTRUSION DWG # 513

CLIP LENGTH CHART FOR 2x MULL	
MULL SIZE	'A'
2 x 4 x 1/4	3 7/16
2 x 6 x 1/4	5 7/16

Robert L. Clark
 Robert L. Clark, P.E.
 PE #39712
 Structural

PRODUCT REVISED as complying with the Florida Building Code
 Acceptance No. 04-0528.06
 Expiration Date June 28, 2006
 By *Manuel Perez*
 Miami Dade Product Control Division

PGT INDUSTRIES									
TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS									
Revsd By: F.K.	Date: 5/3/04	Chkd By:	Date:	Revisions: A - ADD NOTATION					
Drawn By: P.J.P.	Date: 4/28/01								
Description: ANCHOR LOCATIONS									
Title: 2" HEAVY WALL MULLION									
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275	P.O. BOX 1529 NOKOMIS, FL 34274	Series/Model: MULLS	Scale: 1x	Sheet: 3 of 5	Drawing No. 6623	Rev: A			



2x HEAVY WALL MULLS

MAT'L: 6063-T6

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 04-052B.06
 Expiration Date June 28, 2006
 By Manuel Perez
 Miami Dade Product Control
 Division

Robert L. Clark
 7/30/04
 Robert L. Clark, P.E.
 PE #39712
 Structural

⚠ TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS							
Revsd By: F.K.		Date: 5/3/04		Chkd By:		Date:	
Drawn By: P.J.P.		Date: 5/22/00		Revisions: A - ADD NOTATION			
Description: 2" HEAVY WALL MULLION PROFILES							
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275		P.O. BOX 1529 NOKOMIS, FL 34274		Series/Model: MULLS	Scale: 1x	Sheet: 4 of 5	Drawing No. 6623
							Rev: A

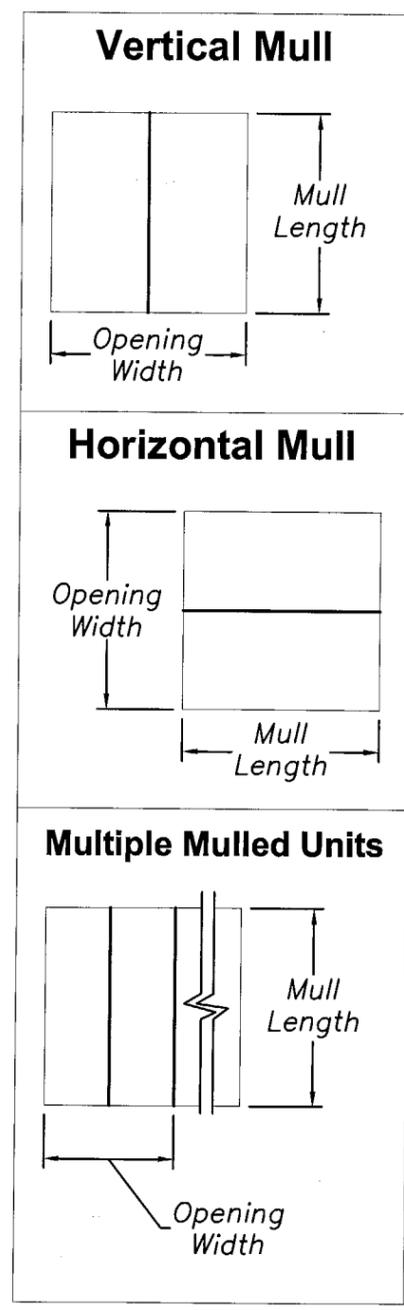
2x4x1/4		OPENING WIDTH IN INCHES									
6 Anchors		50	60	70	80	90	100	110	120	130	160
MULL LENGTH IN INCHES	42	170	170	170	170	170	170	170	170	170	170
	48	170	170	170	170	170	170	170	170	170	170
	50.625	170	170	170	170	170	170	170	170	170	170
	54	170	170	170	170	170	170	170	170	170	170
	60	170	170	170	170	170	170	170	170	170	170
	63	170	170	170	170	170	166	162	160	159	159
	66	170	170	170	170	170	154	149	146	145	145
	72	170	170	166	152	142	135	129	125	123	122
	76	170	170	154	141	131	124	119	115	112	109
	78	170	167	149	136	127	119	114	110	107	104
	84	177	153	136	124	114	107	102	98	94	90
	90	163	141	125	113	104	97	92	88	85	79
	96	151	129	112	100	91	83	78	73	69	63
	108	107	90	78	69	62	57	53	49	47	41
111	98	83	72	63	57	52	48	45	43	37	
144	45	37	32	28	26	23	21	20	18	16	

2x6x1/4		OPENING WIDTH IN INCHES																			
6/8 Anchors		50	60	70	80	90	100	110	120	130	160										
MULL LENGTH IN INCHES	42	170	170	170	170	170	170	170	170	170	170	170	170								
	48	170	170	170	170	170	170	170	170	170	170	170	170								
	50.625	170	170	170	170	170	170	170	170	170	170	170	170								
	54	170	170	170	170	170	170	170	170	170	170	170	170								
	60	170	170	170	170	170	170	170	170	170	170	170	170								
	63	170	170	170	170	170	170	170	170	170	170	170	170								
	66	170	170	170	170	170	170	170	168	170	162	170	159	170	158	170	158	170			
	72	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170			
	76	170	170	170	170	168	170	154	170	143	170	135	170	129	170	125	166	122	162	119	159
	78	170	170	170	170	162	170	148	170	138	170	130	170	124	165	119	159	116	155	113	151
	84	170	170	166	170	148	170	134	170	124	166	117	155	111	148	106	142	103	137	98	130
	90	170	170	153	170	136	170	123	164	113	151	106	141	100	133	96	127	92	123	86	116
	96	165	170	142	170	125	167	113	151	104	139	97	129	91	123	87	115	83	109	77	98
	108	144	170	123	163	109	141	98	125	89	112	83	102	78	95	73	88	70	83	63	73
111	140	170	119	154	105	133	94	118	86	106	80	97	75	89	71	83	67	78	61	68	
144	105	108	89	90	78	78	69	69	61	61	56	56	51	51	47	47	44	44	37	37	

NOTES:

1. MAXIMUM ALLOWABLE PRESSURE IN PSF.
2. DESIGN IS BASED ON OPENING WIDTH. FOR MULTIPLE UNITS, CONSIDER ONLY TWO ADJACENT UNITS AT A TIME. SEE SHEET 1.
3. REFERENCE TEST REPORT FTL-2902, 2903 AND 2975

Robert L. Clark
 Robert L. Clark, P.E.
 PE #39712
 Structural



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TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS

PGT INDUSTRIES	Revsd By: F.K.	Date: 5/3/04	Chkd By:	Date:	Revisions: A - ADD NOTATION	
	Drawn By: P.J.P.	Date: 4/28/00				
	Description: PRESSURE CHARTS					
Title: 2" HEAVY WALL MULLION PRESSURE CHARTS						
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275	P.O. BOX 1529 NOKOMIS, FL 34274	Series/Model: MULLS	Scale: NTS	Sheet: 5 of 5	Drawing No. 6623	Rev: A