



MIAMI-DADE
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
P.O. Box 1529
Nokomis, FL 34274

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: 1"x Std. Wall-Aluminum Tube Clipped Mullions

APPROVAL DOCUMENT: Drawing No. **6620-1**, titled " 1" STD. Wall Mullion Arrangement Detail", sheets 1 through 5 of 5, prepared, signed and sealed by Robert L.Clark, P.E., dated 5/26/04, with revision "A" on 5/3/04, 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 # **02-0701.05** 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 **Theodore Berman, P.E.**

MB
6/17/2004



NOA No 04-0528.04
Expiration Date: June 28, 2006
Approval Date: July 08, 2004
Page 1

PGT Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **6620-1**, Sheets 1 through 5 of 5, titled "1 Std. Wall Mullion Arrangement Detail", prepared by manufacturer, dated 5/26/04, with revision "A" on 5/03/04, 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# 00-0912.05"
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# 00-0912.05"
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# 00-0912.05"

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# 00-0912.05"



Theodore Berman, P.E.
Deputy Director, Product Control Division
NOA No 04-0528.04
Expiration Date: June 28, 2006
Approval Date: July 08, 2004

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

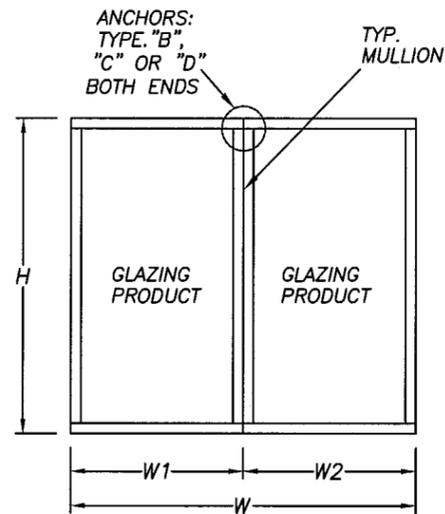
1. Statement letter of conformance, dated March 16, 2001, signed and sealed by Robert L. Clark, P.E.
"Submitted under NOA# 00-0912.05"
2. Statement letter of no financial interest, dated March 16, 2001, signed and sealed by Robert L. Clark, P.E.
"Submitted under NOA# 00-0912.05"
3. Laboratory compliance 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# 00-0912.05"

G. OTHER

1. Letter from consultant stating that the product is in compliance with the Florida Building Code (FBC).



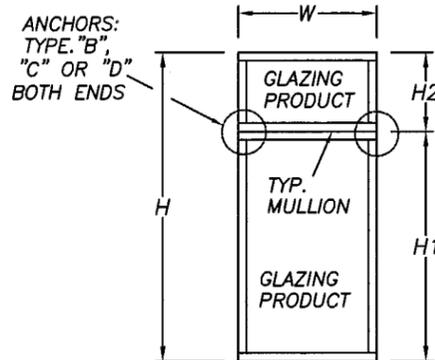
Theodore Berman, P.E.
Deputy Director, Product Control Division
NOA No 04-0528.04
Expiration Date: June 28, 2006
Approval Date: July 08, 2004



$W = W1+W2$

(2) WINDOWS MULLED TOGETHER

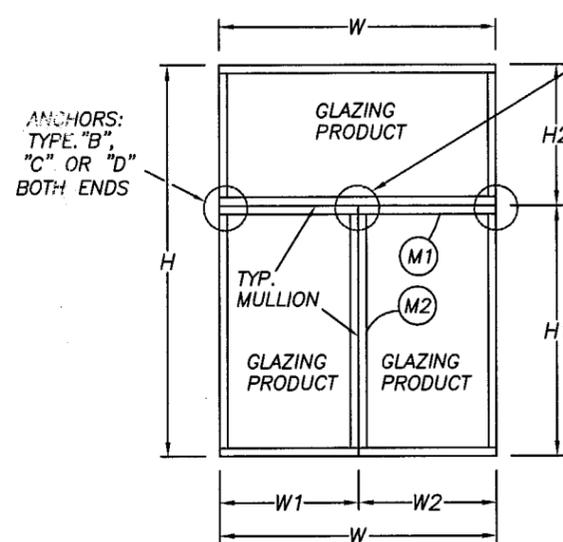
FOR DETERMINING MAX ALLOWABLE DESIGN PRESSURE SEE TABLES ON PAGE 5 OF 5
 MAX OPENING = W OR W1+W2
 MULL LENGTH = H



$H = H1+H2$

(1) WINDOW MULLED W/ONE ABOVE

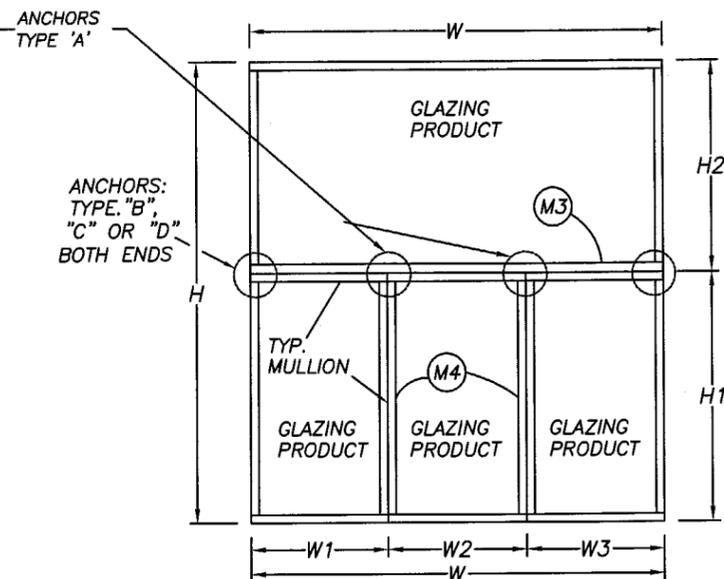
FOR DETERMINING MAX ALLOWABLE DESIGN PRESSURE SEE TABLES ON PAGE 5 OF 5
 MAX OPENING = H OR H1+H2
 MULL LENGTH = W



$W = W1+W2$
 $H = H1+H2$

(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

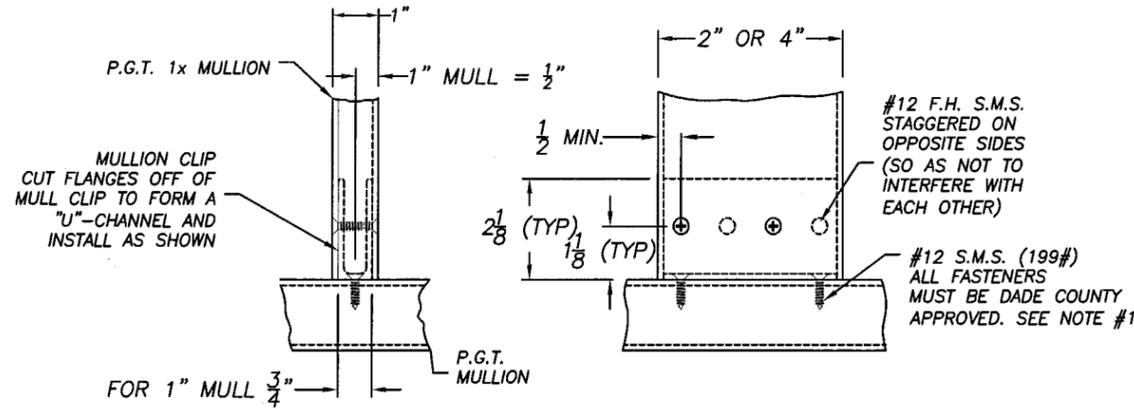
PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. 04-0528.04
 Expiration Date 06/28/06
 By: *Alfredo Serman*
 Miami Dade Product Control Division

NOTES:

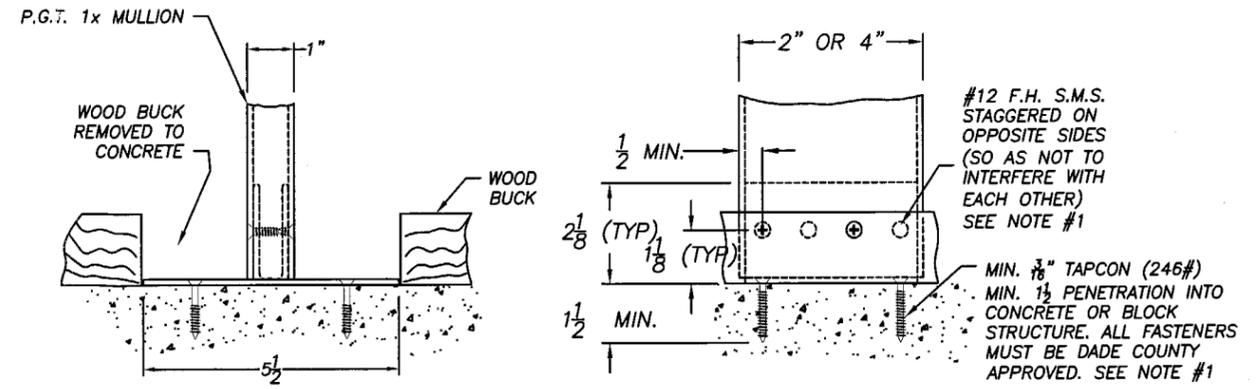
1. FOR ANCHORAGE TYPE, QUANTITY AND LOCATION REFER TO SHEETS 2, 3 AND 5
2. WINDOWS MAY BE MULLED TOGETHER, TO A MAX. OF 7 UNITS
3. MULLIONS ARE APPROVED FOR IMPACT & NON-IMPACT
4. REFERENCE TEST REPORT FTL-2902, 2903 AND 2975

Robert L. Clark
 5/26/04
 Robert L. Clark, P.E.
 PE #39712
 Structural

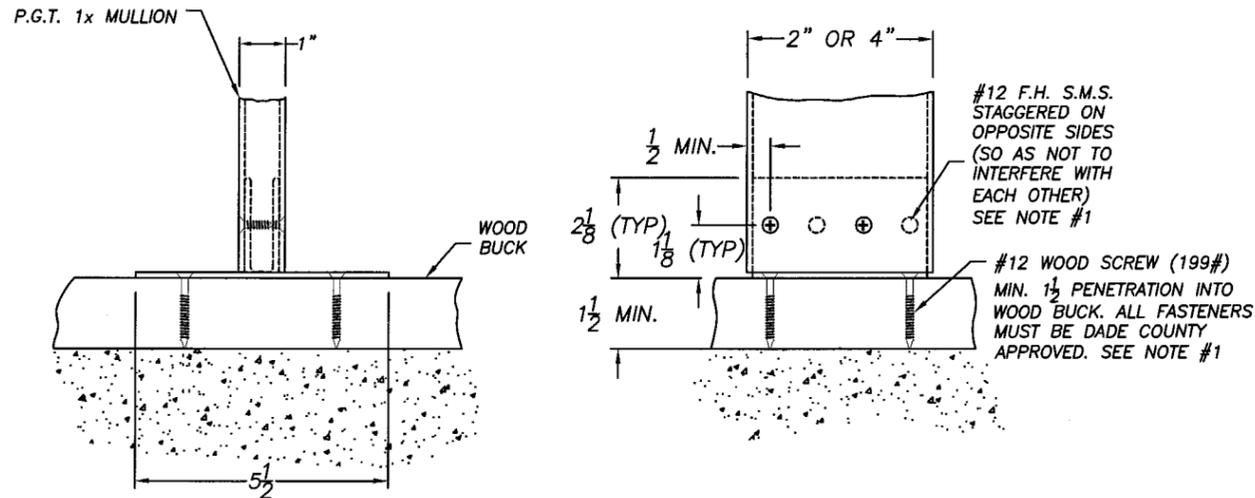
TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS						
PGT INDUSTRIES	Revsd By: F.K.	Date: 5/3/04	Chkd By:	Date:	Revisions: A - ADD NOTATION	
	Drawn By: P.J.P.	Date: 4/28/00				
	Description: ARRANGEMENT DETAIL					
Title: 1" STD. WALL MULLION						
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275	P.O. BOX 1529 NOKOMIS, FL 34274	Series/Model: MULLS	Scale: NTS	Sheet: 1 of 5	Drawing No. 6620-1	Rev: A



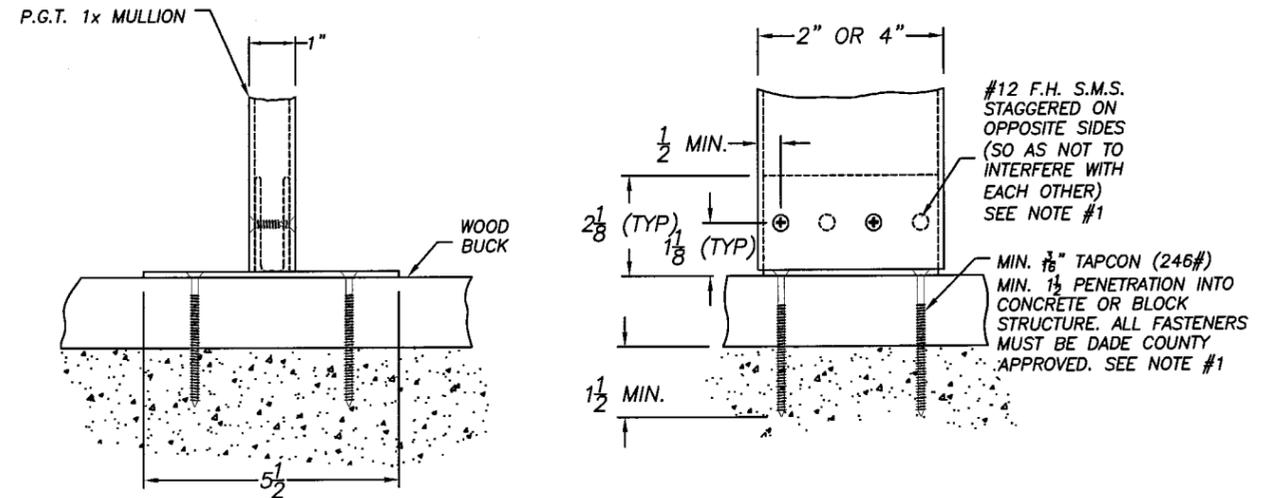
TYPICAL MULLION TO MULLION INSTALLATION TYPE "A".



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.

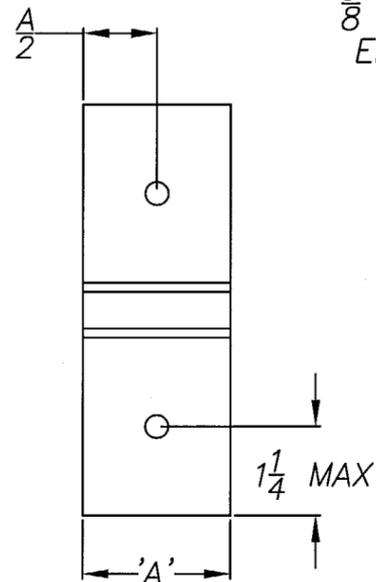
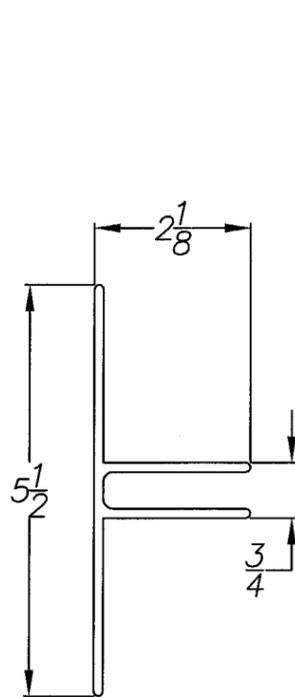
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 04-0528.04
 Expiration Date 06/28/06

By *Robert L. Clark* Robert L. Clark, P.E.
 Miami Dade Product Control Division PE #39712
 Structural

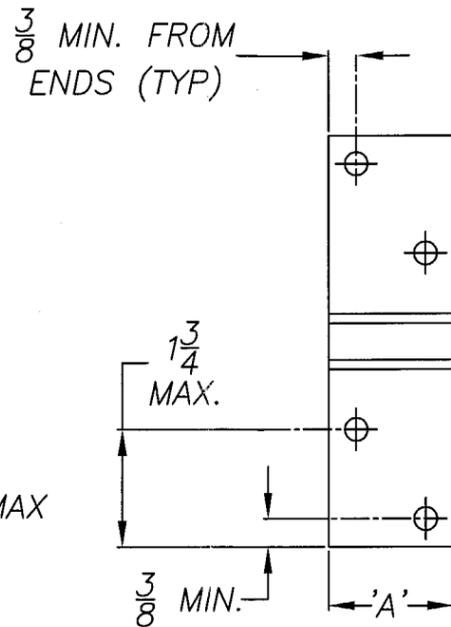
P. J. P.
 5/26/04

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: CLIP & INSTALLATION DETAIL					
Title: 1" STD. WALL MULLION					
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275	P.O. BOX 1529 NOKOMIS, FL 34274	Series/Model: MULLS	Scale: NTS	Sheet: 2 of 5	Drawing No. 6620-2
					Rev: A

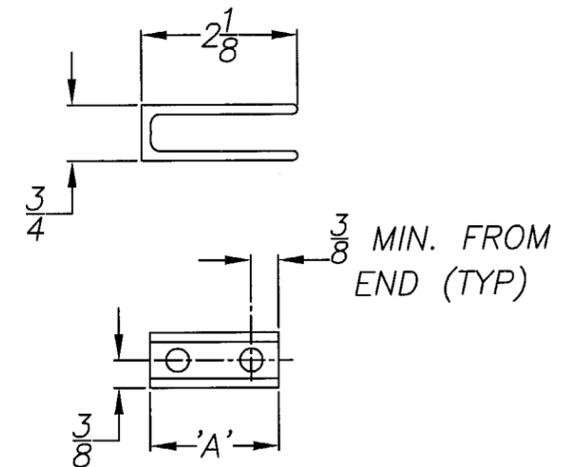
IMPORTANT:
 QUANTITY OF
 ANCHORS SHOWN
 ARE FOR A PICTORIAL
 REPRESENTATION
 ONLY. FOR CORRECT
 QUANTITY OF
 ANCHORS PLEASE
 REFER TO CHARTS
 AND FIND THE
 CORRECT MULL SIZE
 AND PRESSURE
 REQ'D FOR YOUR
 SPECIFIC
 APPLICATION.



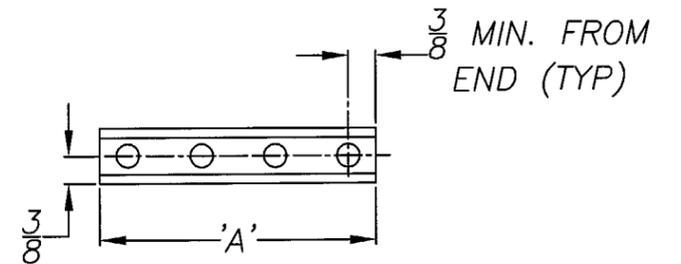
1" MULL CLIP
 TWO (2) ANCHOR LOCATIONS
 EXTRUSION DWG # 1099



1" MULL CLIP
 FOUR (4) ANCHOR LOCATIONS
 EXTRUSION DWG # 1099



1" MULL CLIP W/TABS REMOVED
 TWO (2) ANCHOR LOCATIONS
 EXTRUSION DWG # 1099



1" MULL CLIP W/TABS REMOVED
 FOUR (4) ANCHOR LOCATIONS
 EXTRUSION DWG # 1099

CLIP LENGTH CHART
 FOR 1x MULL

MULL SIZE	'A'
1 x 2 x 1/8	1 1/16
1 x 4 x 1/8	3 1/16

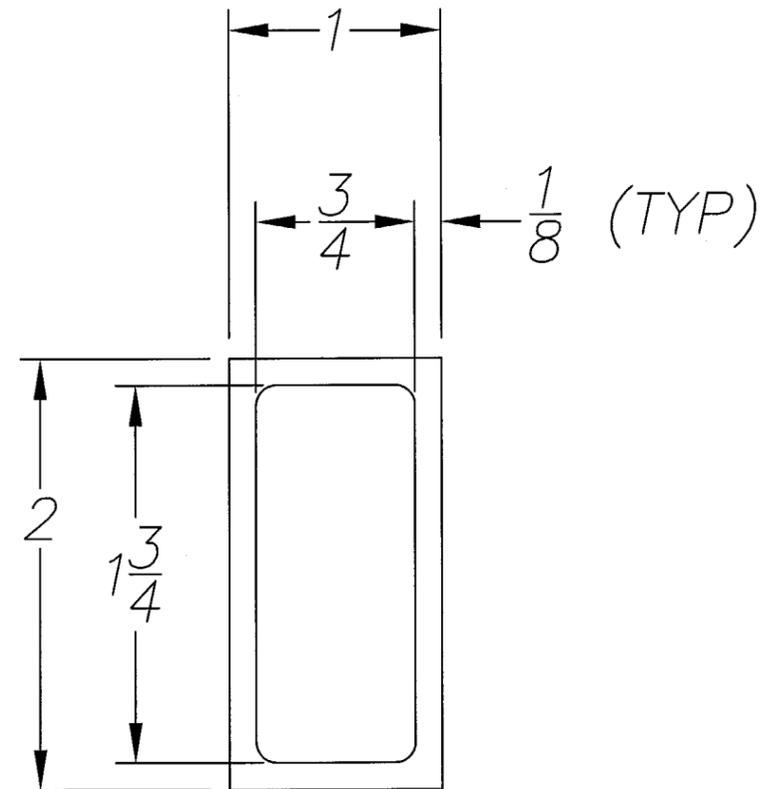
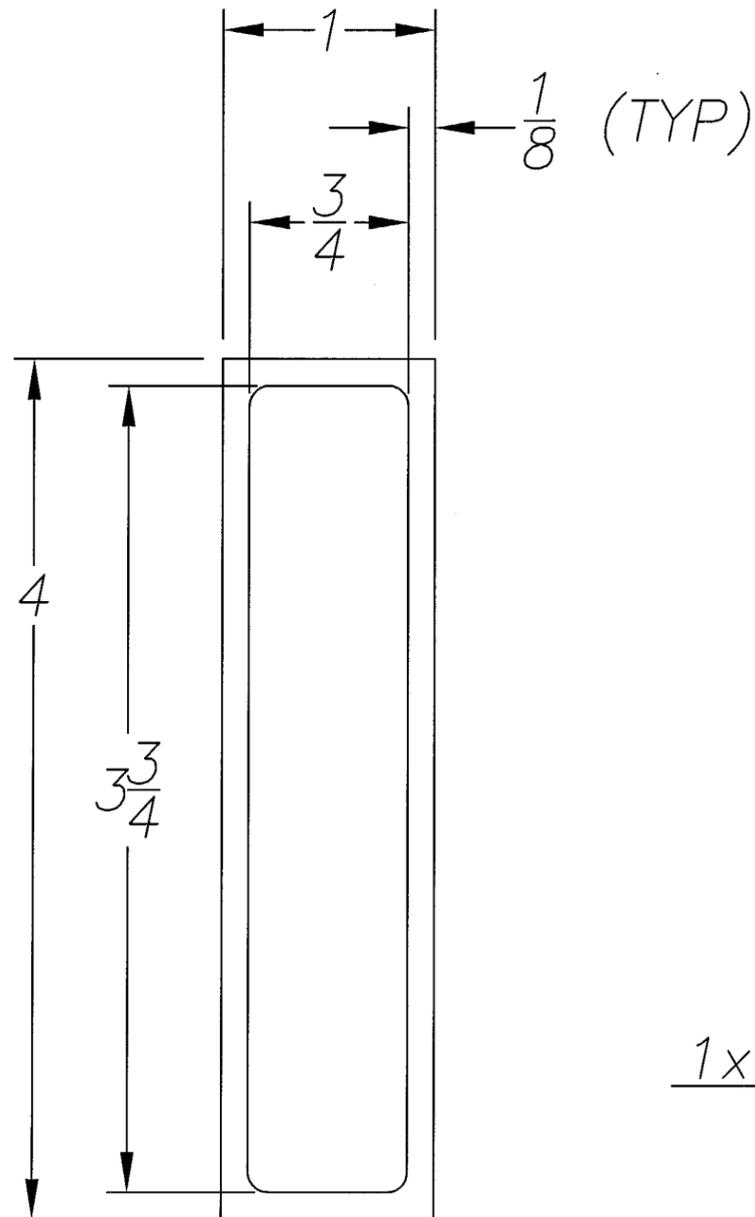
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 04-0528.04
 Expiration Date 06/28/06
 By: *Blondell Seaman*
 Miami Dade Product Control
 Division

Robert L. Clark
 5/26/04

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

NOTE:
 1. REFERENCE TEST REPORT FTL-2902,2903 AND 2975

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: 4/28/00	Description: 1" MULLION CLIP ANCHOR LOCATION		
	Title: 1" STD. WALL MULLION				
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275	P.O. BOX 1529 NOKOMIS, FL 34274	Series/Model: MULLS	Scale: NTS	Sheet: 3 of 5	Drawing No. 6620
					Rev: A



1x STD. WALL MULLS

MAT'L: 6063-T6

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 04-0528.04
 Expiration Date 06/28/06
 By *Clerdine Bernan*
 Miami Dade Product Control
 Division

Robert L. Clark
 5/26/04

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

NOTE:

1. REFERENCE TEST REPORT FTL-2902, 2903 AND 2975

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:	P.J.P.		Date:	4/28/00				
Description: PROFILES									
Title: 1" STD. WALL MULLION									
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275		P.O. BOX 1529 NOKOMIS, FL 34274		Series/Model:	Scale:	Sheet:	Drawing No.		Rev:
				MULLS	NTS	4 of 5	6620-4		A

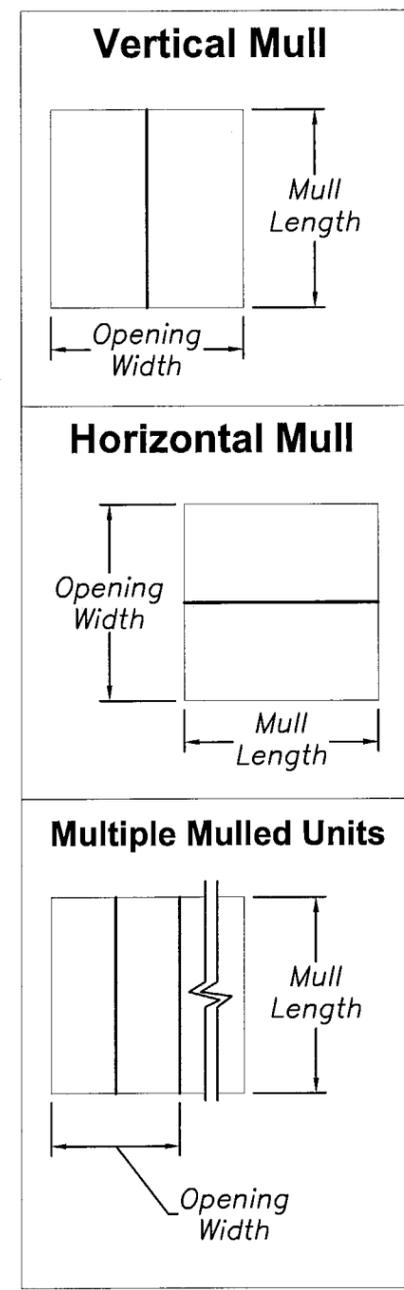
1x2x.125 2 Anchors		OPENING WIDTH IN INCHES											
		50	60	70	80	90	100	110	120	130	160		
① MULL LENGTH IN INCHES	42	129	115	107	104	103	103	103	103	103	103	103	103
	48	83	73	67	63	61	61	61	61	61	61	61	61
	50.625	70	61	55	52	50	49	49	49	49	49	49	49
	54	57	49	44	41	39	38	38	38	38	38	38	38
	60	41	35	31	29	27	26	25	25	25	25	25	25
	63	35	30	27	24	23	22	21	20	20	20	20	20
	66	30	26	23	21	19	18	18	17	17	17	17	17
	72	23	20	17	16	-	-	-	-	-	-	-	-
	76	20	17	15	-	-	-	-	-	-	-	-	-
	78	18	15	-	-	-	-	-	-	-	-	-	-
	84	-	-	-	-	-	-	-	-	-	-	-	-
	90	-	-	-	-	-	-	-	-	-	-	-	-
	96	-	-	-	-	-	-	-	-	-	-	-	-
	108	-	-	-	-	-	-	-	-	-	-	-	-
111	-	-	-	-	-	-	-	-	-	-	-	-	
144	-	-	-	-	-	-	-	-	-	-	-	-	

1x4x.125 4 Anchors		OPENING WIDTH IN INCHES											
		50	60	70	80	90	100	110	120	130	160		
② 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	162	158	157	157	157	157	157	157
	60	170	170	157	143	134	127	124	122	122	122	122	122
	63	170	160	141	128	119	112	108	106	106	106	106	106
	66	170	145	127	115	106	100	96	93	92	92	92	92
	72	142	120	105	95	87	81	77	74	72	71	71	71
	76	120	102	90	81	74	69	65	63	61	59	59	59
	78	111	94	83	74	68	63	60	57	55	53	53	53
	84	88	75	65	59	53	49	46	44	42	40	40	40
	90	72	60	53	47	43	39	37	35	33	31	31	31
	96	59	50	43	38	35	32	30	28	27	24	24	24
	108	41	35	30	27	24	22	20	19	18	16	16	16
111	38	32	28	24	22	20	19	17	16	-	-	-	
144	17	-	-	-	-	-	-	-	-	-	-	-	

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

R.L. Clark
5/26/04
Robert L. Clark, P.E.
PE #39712
Structural



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 04-0520.04
Expiration Date 06/28/04
By: *[Signature]*
Miami Dade Product Control
Division

⚠ 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: 1" STD. WALL MULLION									
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275	P.O. BOX 1529 NOKOMIS, FL 34274	Series/Model: MULLS	Scale: NTS	Sheet: 5 of 5	Drawing No. 6620	Rev: A			