



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: 1"x Heavy Wall - Aluminum Tube Clipped Mullion

APPROVAL DOCUMENT: Drawing No. **6621**, titled "1" Heavy Wall Mullion", sheets 1 through 6 of 6, 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 # 02-0701.09** 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 04-0528.05
Expiration Date: June 28, 2006
Approval Date: July 15, 2004
 Page 1

PGT Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

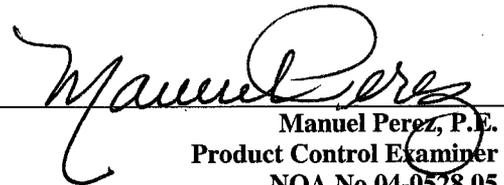
1. Manufacturer's die drawings and sections.
2. Drawing No **6621**, titled "1" Heavy Wall Mullion", Sheets 1 through 6 of 6, dated -05/26/04, with revision "A" dated 05/03/04, prepared by manufacturer, signed and sealed by Robert L. Clark, P.E.

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 # 01-0323.02"
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 # 01-0323.02"
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 # 01-0323.02"

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 # 01-0323.02"


Manuel Perez, P.E.
Product Control Examiner
NOA No 04-0528.05

Expiration Date: June 28, 2006
Approval Date: July 15, 2004

PGT Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

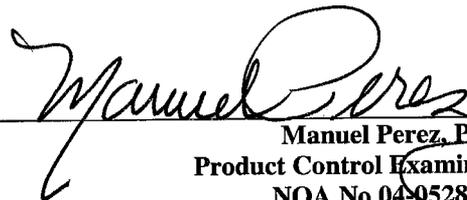
1. None.

F. STATEMENTS

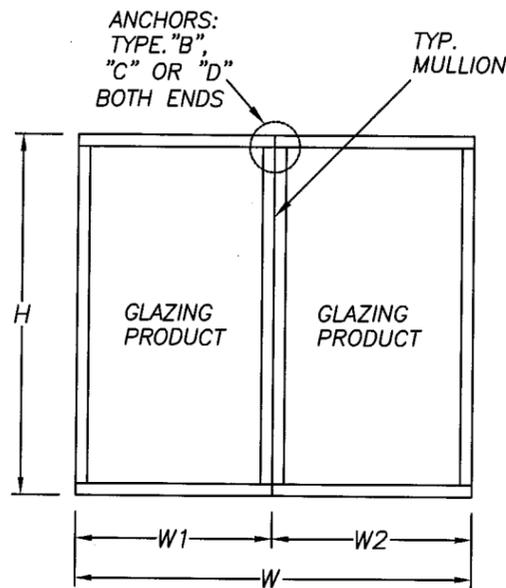
1. Statement letter of conformance, dated March 16, 2001, signed and sealed by Robert L. Clark, P.E.
"Submitted under NOA # 01-0323.02"
2. Statement letter of no financial interest, dated March 16, 2001, signed and sealed by Robert L. Clark, P.E.
"Submitted under NOA # 01-0323.02"
3. Laboratory compliance 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 # 01-0323.02"

G. OTHER

1. Notice of Acceptance No. **02-0701.09**, issued to PGT Industries for their 1" 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).



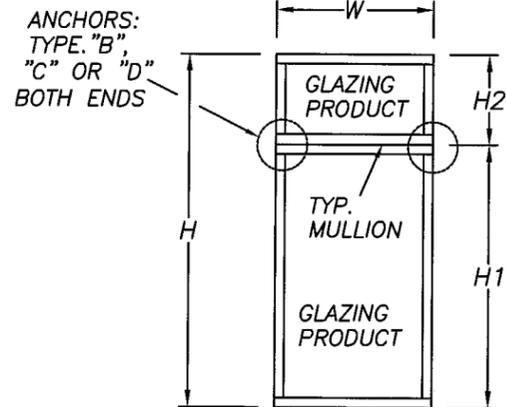
Manuel Perez, P.E.
Product Control Examiner
NOA No 04-0528.05
Expiration Date: June 28, 2006
Approval Date: July 15, 2004



$W = W1+W2$

(2) WINDOWS MULLED TOGETHER

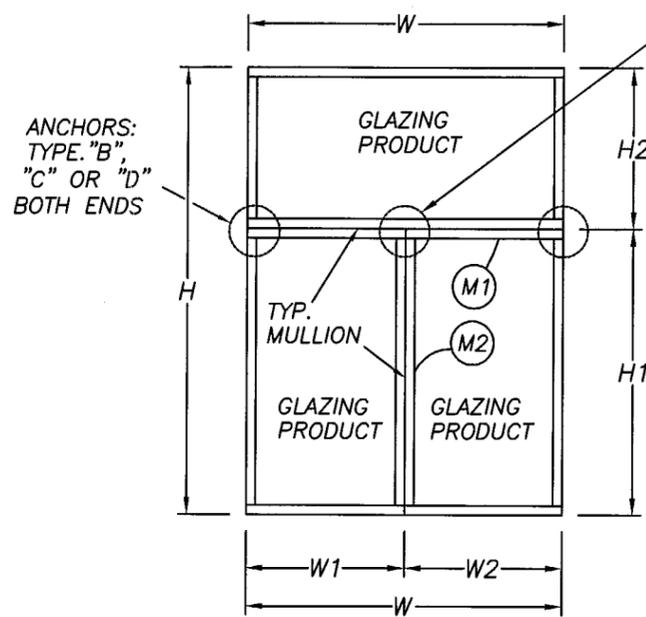
FOR DETERMINING MAX ALLOWABLE DESIGN PRESSURE SEE TABLES ON PAGE 5 & 6
 MAX OPENING = W OR W1+W2
 MULL LENGTH = H



$H = H1+H2$

(1) WINDOW MULLED W/ONE ABOVE

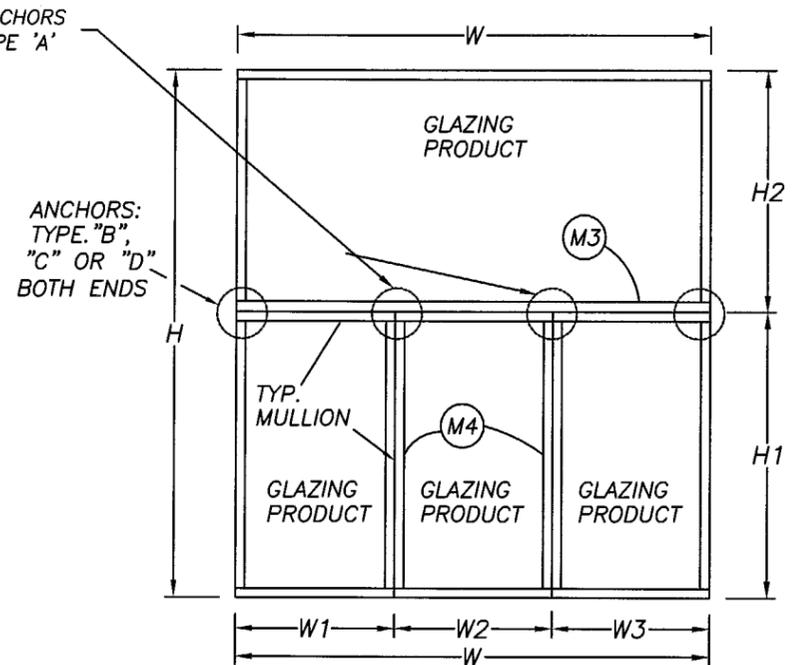
FOR DETERMINING MAX ALLOWABLE DESIGN PRESSURE SEE TABLES ON PAGE 5 & 6
 MAX OPENING = H OR H1+H2
 MULL LENGTH = W



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

(2) WINDOWS MULLED W/ONE ABOVE

FOR DETERMINING MAX ALLOWABLE DESIGN PRESSURE SEE TABLES ON PAGE 5 & 6
 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 & 6
 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

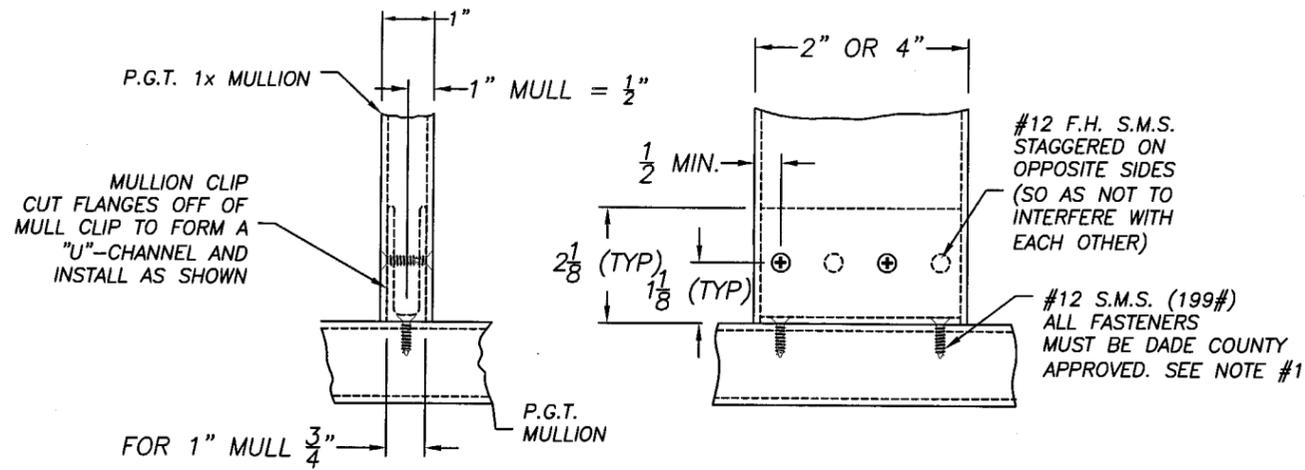
PRODUCT REVISED as complying with the Florida Building Code
 Acceptance No 04-0528.05
 Expiration Date June 28, 2006
 By *Manuel Perez*
 Miami Dade Product Control Division

NOTES:

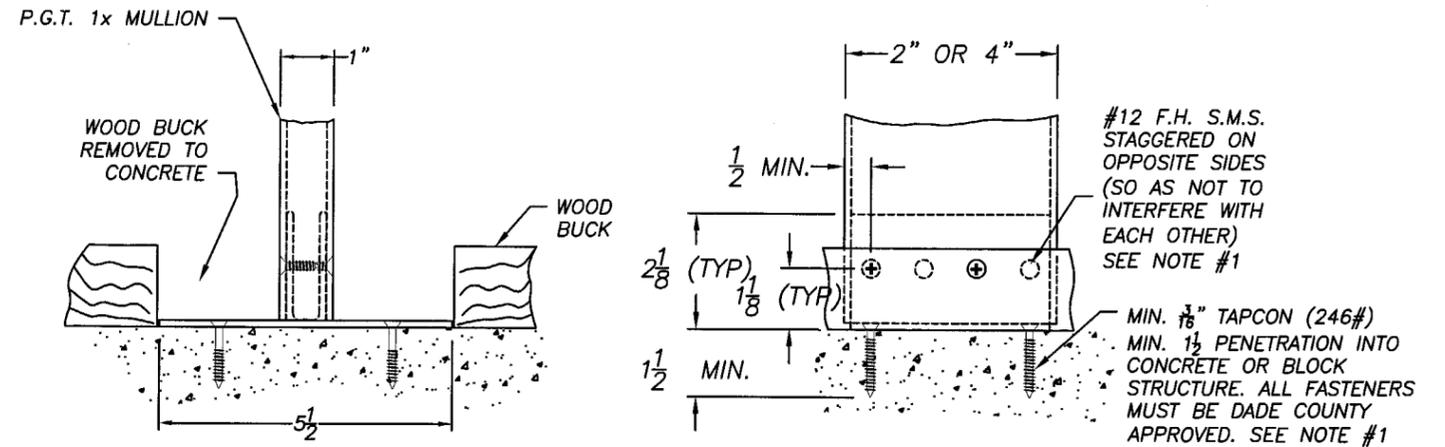
- FOR ANCHORAGE TYPE, QUANTITY AND LOCATION REFER TO SHEETS 2, 3, 5 AND 6
- WINDOWS MAY BE MULLED TO A MAX. OF 7 UNITS
- MULLIONS ARE APPROVED FOR IMPACT AND NON-IMPACT
- REFERENCE TEST REPORT FTL-2902, 2903 AND 2975

R. J. Clark
 5/30/04
 Robert J. Clark, P.E.
 PE #39712
 Structural

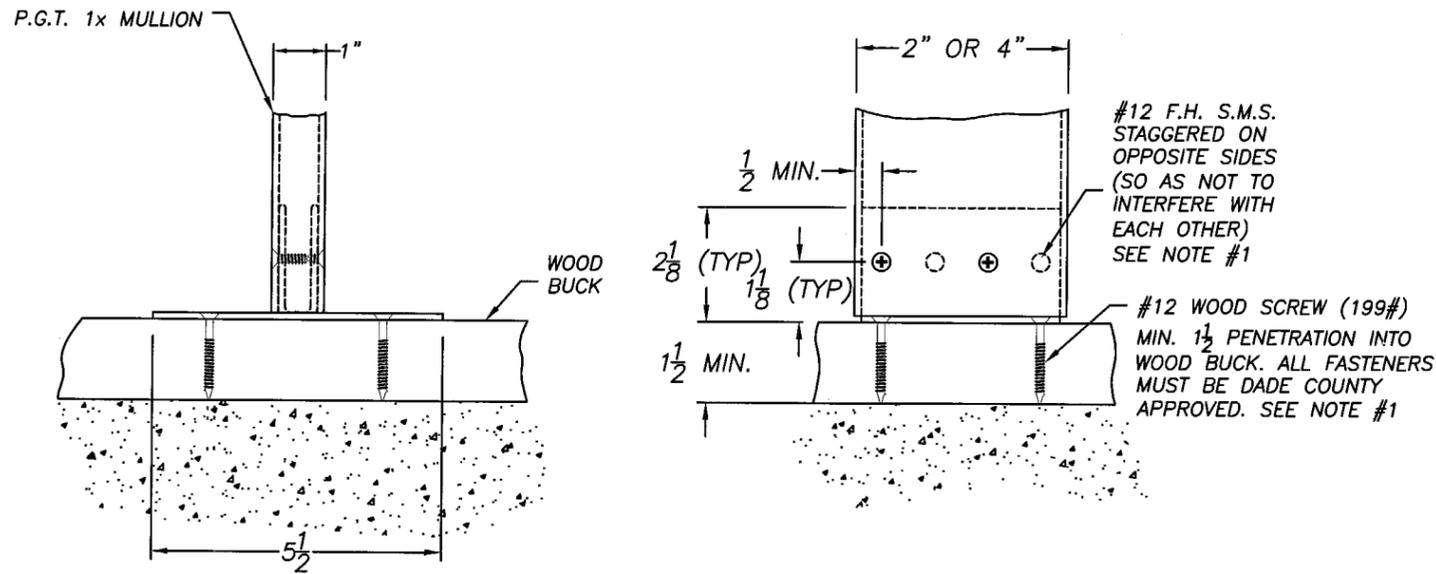
TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS									
PGT INDUSTRIES	Revsd By:	Date:	Chkd By:	Date:	Revisions:				
	F.K.	5/3/04			A - ADD NOTATION				
	Drawn By:	Date:							
	P.J.P.	4/28/00							
Description: 1" HEAVY WALL MULLION ARRANGEMENT DETAIL									
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275	P.O. BOX 1529 NOKOMIS, FL 34274	Series/Model:	Scale:	Sheet:	Drawing No.	Rev:			
		MULLS	1x	1 of 6	6621	A			



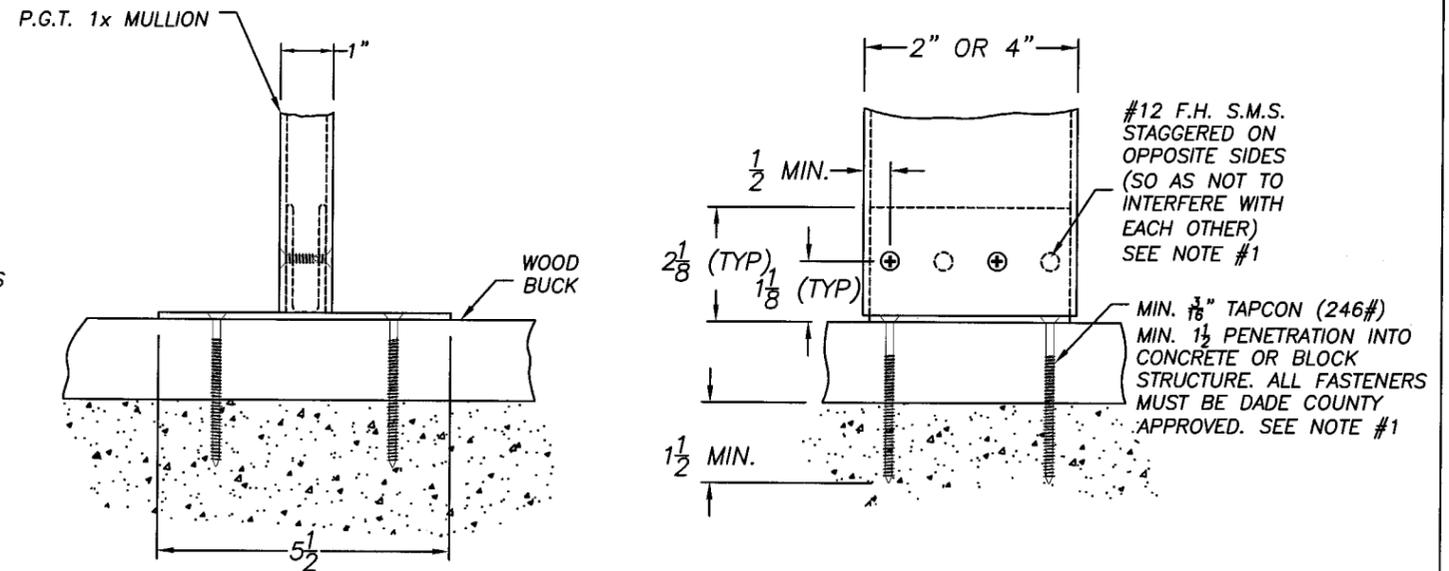
TYPICAL MULLION TO MULLION INSTALLATION TYPE "A".



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 SHEETS 5 & 6. 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.

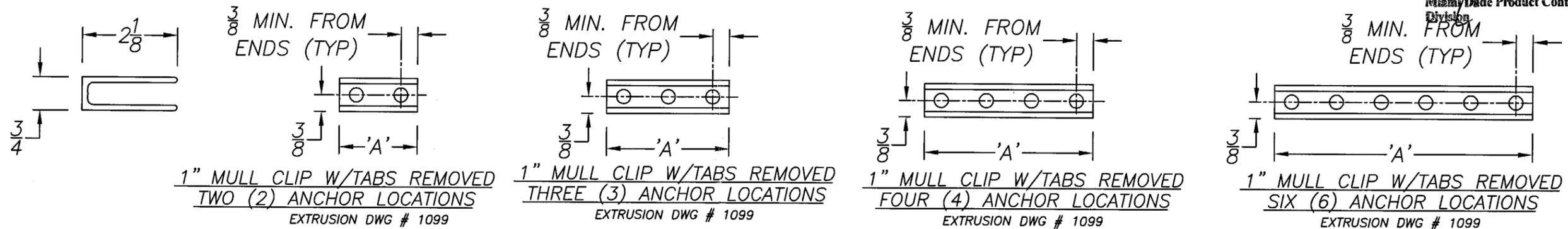
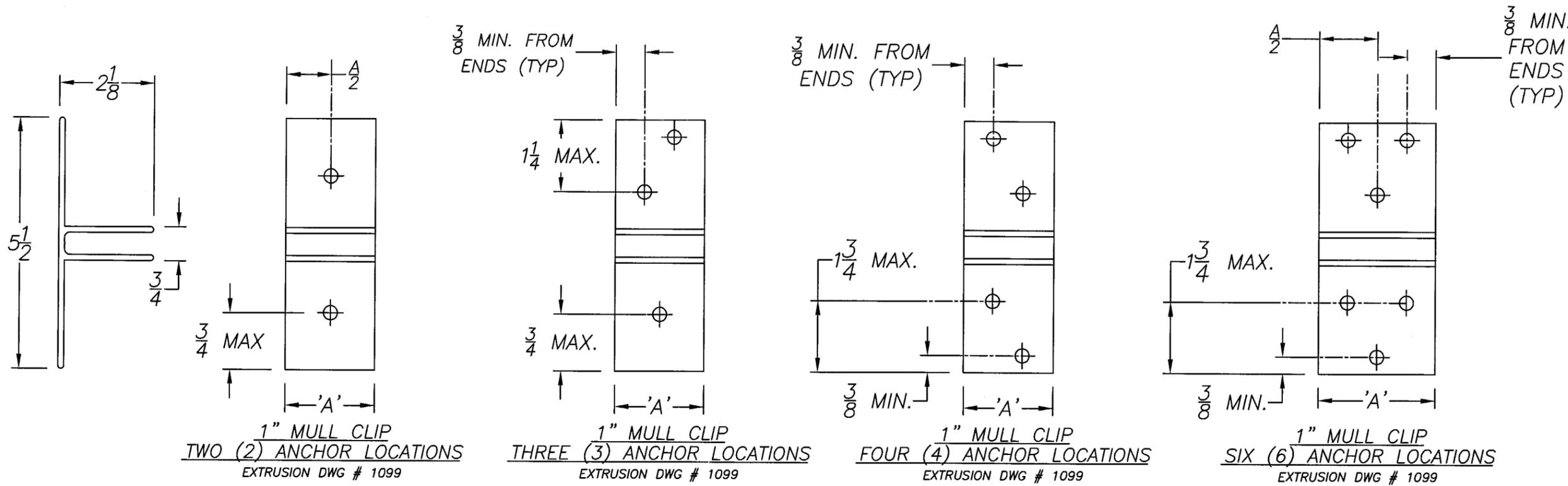
Robert L. Clark
 Robert L. Clark, P.E.
 PE #39712
 Structural

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 04-0528.05
 Expiration Date June 28, 2006

By *Manuel Pera*
 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:	P.J.P.		Date:	4/28/00				
Description: 1" 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 6	6621	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.



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 04-0528.05
 Expiration Date June 28, 2006
 By *Maurice Perez*
 Miami Dade Product Control
 Division

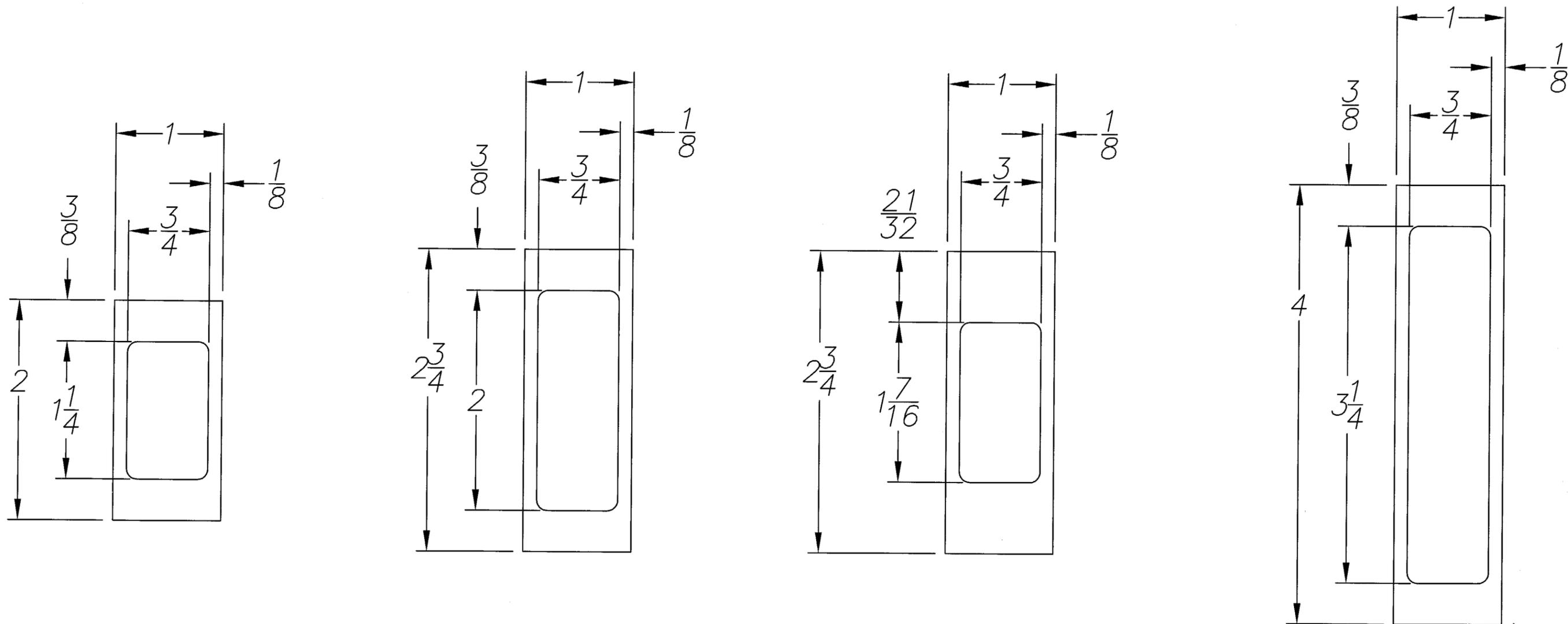
CLIP LENGTH CHART FOR 1x MULL	
MULL SIZE	'A'
1 x 2 x $\frac{1}{4}$	$1\frac{1}{6}$
1 x $2\frac{3}{4}$ x $\frac{3}{8}$	$1\frac{5}{8}$
1 x $2\frac{3}{4}$ x $\frac{3}{2}$	$1\frac{3}{8}$
1 x 4 x $\frac{3}{8}$	$3\frac{3}{8}$

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

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: 5/21/01 Revisions: A - ADD NOTATION	Description: ANCHOR LOCATIONS Title: 1" MULLION CLIP
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275	P.O. BOX 1529 NOKOMIS, FL 34274
Series/Model: MULLS	Scale: 1 Sheet: 3 of 6 Drawing No. 6621 Rev: A



1x HEAVY WALL MULLS

MAT'L: 6063-T6

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 04-0528, 05
 Expiration Date June 28, 2006
 By Manuel Perez
 Miami Dade Product Control
 Division

NOTE:

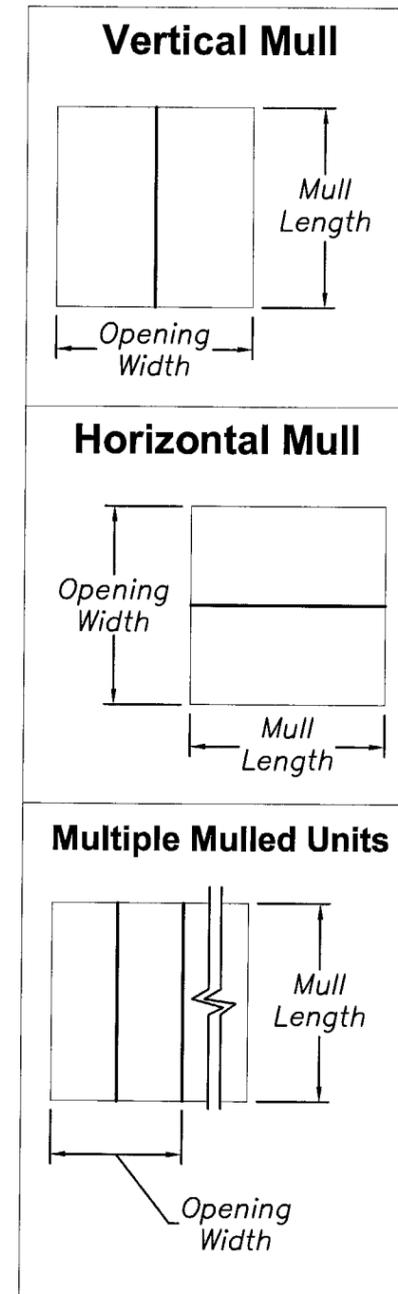
1. REFERENCE TEST REPORT FTL-2902, 2903 AND 2975

Robert 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.	5/22/00				
Description: 1" HEAVY WALL MULLION PROFILES							
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275		P.O. BOX 1529 NOKOMIS, FL 34274		Series/Model:	Scale:	Sheet:	Drawing No.
				MULLS	1x	4 of 6	6621
							Rev: A

1x2x.375 2 Anchors		OPENING WIDTH IN INCHES											
		50	60	70	80	90	100	110	120	130	160		
① MULL LENGTH IN INCHES	42	155	142	134	130	130	130	130	130	130	130	130	130
	48	129	116	107	102	100	99	99	99	99	99	99	99
	50.625	115	100	91	85	82	80	80	80	80	80	80	80
	54	94	81	73	68	64	63	62	62	62	62	62	62
	60	67	58	51	47	44	42	41	41	41	41	41	41
	63	58	49	44	40	37	35	34	34	34	34	34	34
	66	50	43	38	34	32	30	29	28	28	28	28	28
	72	38	32	29	26	24	22	21	20	20	20	20	20
	76	32	27	24	22	20	18	17	17	16	16	16	16
	78	30	25	22	20	18	17	16	15	15	-	-	-
	84	24	20	17	16	-	-	-	-	-	-	-	-
	90	19	16	-	-	-	-	-	-	-	-	-	-
	96	16	-	-	-	-	-	-	-	-	-	-	-
	108	-	-	-	-	-	-	-	-	-	-	-	-
111	-	-	-	-	-	-	-	-	-	-	-	-	
144	-	-	-	-	-	-	-	-	-	-	-	-	

1x2.75x.375 3/4 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	170	170	170	170
	48	170	170	170	170	161	170	154	170	150	170	149	170	149	170	149	170
	50.625	170	170	161	170	148	170	140	170	136	170	134	170	134	170	134	170
	54	166	170	147	170	135	165	126	153	121	146	119	142	118	141	118	141
	60	145	152	127	131	116	116	101	107	100	100	96	96	93	93	92	92
	63	131	131	112	112	99	99	90	90	84	84	80	80	77	77	76	76
	66	113	113	97	97	85	85	77	77	72	72	68	68	65	65	64	64
	72	86	86	73	73	65	65	58	58	54	54	50	50	48	48	46	46
	76	73	73	62	62	54	54	49	49	45	45	42	42	40	40	38	38
	78	67	67	57	57	50	50	45	45	41	41	38	38	36	36	35	35
	84	54	54	45	45	40	40	35	35	32	32	30	30	28	28	27	27
	90	43	43	37	37	32	32	28	28	26	26	24	24	22	22	21	21
	96	36	36	30	30	26	26	23	23	21	21	19	19	18	18	17	17
	108	25	25	21	21	18	18	16	16	-	-	-	-	-	-	-	-
111	23	23	19	19	17	17	15	15	-	-	-	-	-	-	-	-	
144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 04-0528-05
Expiration Date June 28, 2006
By *Manuel Perez*
Miami Dade Product Control
Division

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

⚠ 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" HEAVY WALL MULLION										
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275		P.O. BOX 1529 NOKOMIS, FL 34274		Series/Model: MULLS		Scale: NTS	Sheet: 5 of 6	Drawing No. 6621		Rev: A

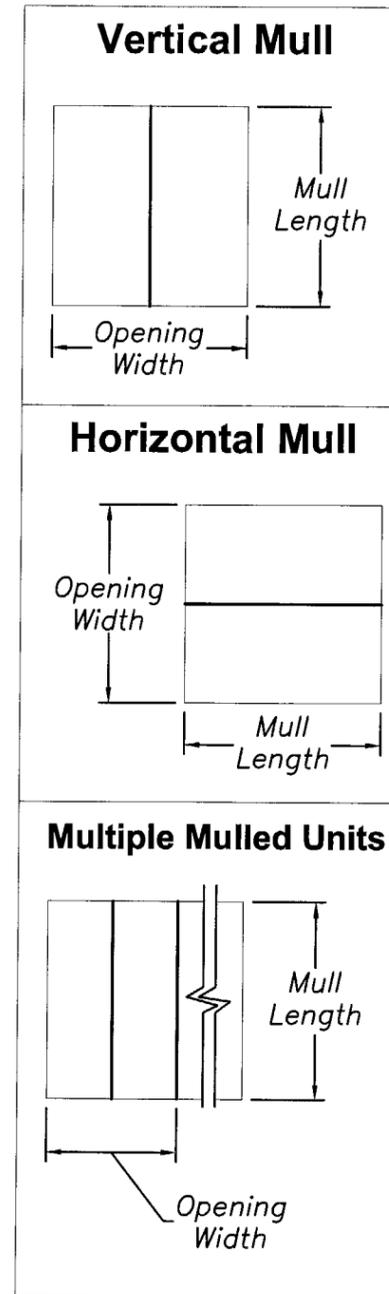
1x2.75x.650		OPENING WIDTH IN INCHES																				
3/4 Anchors		50	60	70	80	90	100	110	120	130	160											
3	MULL LENGTH IN INCHES	42	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170					
		48	170	170	160	170	148	169	141	161	138	158	137	157	137	157	137	157	170	157	170	157
		50.625	166	170	148	169	136	156	129	148	125	143	123	141	123	141	123	141	154	141	123	141
		54	152	170	135	155	124	142	116	133	112	128	109	125	108	124	108	124	108	124	108	124
		60	133	152	117	134	106	122	99	113	94	107	90	103	88	101	88	100	88	100	88	100
		63	125	143	110	126	99	114	92	105	87	99	83	95	81	93	80	91	80	91	80	91
		66	118	135	103	118	93	107	86	97	81	90	77	85	75	82	73	80	73	79	73	79
		72	106	108	92	92	81	81	73	73	67	67	63	63	60	60	58	58	56	56	56	56
		76	91	91	77	77	68	68	61	61	56	56	52	52	49	49	47	47	46	46	45	45
		78	84	84	71	71	63	63	56	56	51	51	48	48	45	45	43	43	42	42	40	40
		84	67	67	57	57	50	50	44	44	40	40	37	37	35	35	33	33	32	32	30	30
		90	54	54	46	46	40	40	36	36	32	32	30	30	28	28	26	26	25	25	23	23
		96	44	44	38	38	33	33	29	29	26	26	24	24	23	23	21	21	20	20	18	18
		108	31	31	26	26	23	23	20	20	18	18	17	17	15	15	-	-	-	-	-	-
111	29	29	24	24	21	21	18	18	17	17	15	15	-	-	-	-	-	-	-	-		
144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

1x4x.375		OPENING WIDTH IN INCHES																				
4/6 Anchors		50	60	70	80	90	100	110	120	130	160											
4	MULL LENGTH IN INCHES	42	170	170	170	170	170	170	170	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	170	170	170	170	170	170	170	170
		50.625	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170
		54	170	170	170	170	170	170	169	170	162	170	158	170	157	170	157	170	157	170	157	170
		60	170	170	170	170	154	170	143	170	136	170	131	170	128	170	127	170	127	170	127	170
		63	170	170	159	170	144	170	133	170	126	170	121	170	117	169	116	166	116	165	116	165
		66	170	170	150	170	135	170	125	170	117	166	112	156	108	150	106	145	105	144	105	144
		72	154	170	134	170	120	165	110	148	103	136	98	127	94	120	91	115	89	112	88	111
		76	144	170	125	160	112	140	102	126	95	116	90	108	86	102	83	98	81	95	79	93
		78	140	170	121	148	108	129	99	116	92	106	87	99	83	93	80	89	78	87	75	84
		84	128	138	111	117	98	102	90	92	83	83	77	77	73	73	69	69	66	66	62	62
		90	112	112	95	95	82	82	74	74	67	67	62	62	58	58	54	54	52	52	48	48
		96	92	92	78	78	67	67	60	60	54	54	50	50	47	47	44	44	42	42	38	38
		108	64	64	54	54	47	47	42	42	37	37	34	34	32	32	30	30	28	28	25	25
111	59	59	50	50	43	43	38	38	34	34	31	31	29	29	27	27	26	26	23	23		
144	27	27	22	22	19	19	17	17	15	15	-	-	-	-	-	-	-	-	-	-		

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



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 04-0528.05
 Expiration Date June 28, 2006
 By: *Manuel Perez*
 Miami Dade Product Control
 Division

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: PRESSURE CHARTS									
Title: 1" HEAVY WALL MULLION									
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275		P.O. BOX 1529 NOKOMIS, FL 34274		Series/Model: MULLS		Scale: NTS		Sheet: 6 of 6	
Drawing No. 6621						Rev: A			