



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)

www.buildingcodeonline.com

KML Windows, Inc.
23 Buchanan Court
London, On N5Z 4P9

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: Extruded Aluminum Plate Clipped Mullion – L.M.I.

APPROVAL DOCUMENT: Drawing No. 1003F, titled "Clipped Impact & Non-Impact Extruded Plate Mullions", sheets 1 through 5 of 5, dated 10/13/00, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, 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 Resistant

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 and renews NOA 01-0724.07 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

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



NOA No 05-0817.09
Expiration Date: August 23, 2011
Approval Date: July 13, 2006
Page 1

KML Windows, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **1003F**, Sheets 1 through 5 of 5, dated 10/13/00 with revision A1 dated 08/01/05, titled "Clipped Impact & Non-Impact Extruded Plate Mullions", prepared by W.W. Schaefer, Engineering & Consulting, P.A., signed and sealed by W.W. Schaefer, P.E. ,

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per SFBC, PA 202-94
2) Uniform Load Static Air Pressure Test, per SFBC, PA 202-94
3) Water Resistance Test, per SFBC, PA 202-94
4) Large Missile Impact Test, SFBC PA 201-94
5) Cyclic Loading Test, per SFBC PA 203-94
along with installation diagram of two fixed window mulled units, prepared by Intertek Testing Services, Test Report No. **ITS J99022770-231-09**, dated 10/31/00, signed and sealed by Douglas Keith Tucker, P.E.

C. CALCULATIONS

1. Verification Engineering Structural & Anchor Calculations, complying with FBC 2004 prepared by W. W. Schaefer, Engineering & Consulting, P.A. dated 04/19/06, signed and sealed by Warren W. Schaefer, P.E.
2. Engineering Structural & Anchor Calculations, prepared by W. W. Schaefer, Engineering & Consulting, P.A. dated 10/17/00, signed and sealed by Warren W. Schaefer, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

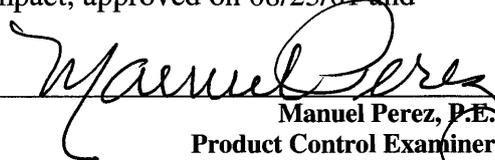
1. None.

F. STATEMENTS

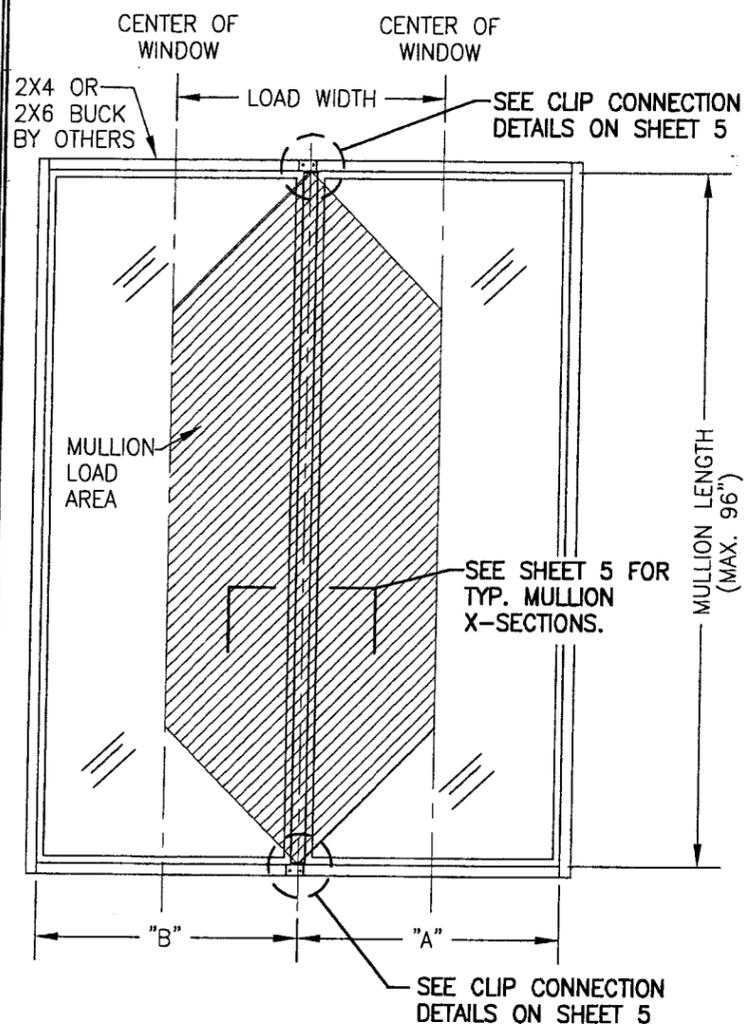
1. Statement letter of conformance, dated October 19, 2000, signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of no financial interest, dated October 19, 2000, signed and sealed by Warren W. Schaefer, P.E.

G. OTHER

1. Notice of Acceptance No. **01-0724.07**, issued to KML Windows, Inc. for their Extruded Aluminum Plate Clipped Mullion - Impact, approved on 08/23/01 and expiring on 08/23/06.


Manuel Perez, P.E.
Product Control Examiner
NOA No 05-0817-09

Expiration Date: August 23, 2011
Approval Date: July 13, 2006



FIXED WINDOW TO FIXED WINDOW
 $LOAD\ WIDTH = (A + B)/2$

NOTE: "FIXED WINDOW" MAY BE A SASH GLAZED FIXED OR A DIRECT GLAZED FIXED WINDOW.

NOTE: MULLION MAY BE HORIZONTAL OR VERTICAL

FIXED WINDOW TO FIXED WINDOW TABLE			
LENGTH (IN.)	LOAD WIDTH (IN.)	ALLOWABLE PRESSURES (PSF)	
		MULLION "D"	
		POS	NEG
60	24	100.0	100.0
	30	100.0	100.0
	36	100.0	100.0
	42	100.0	100.0
	48	100.0	100.0
	54	97.3	100.0
	60	87.6	99.6
	66	87.6	99.6
72	72	87.6	99.6
	24	100.0	100.0
	30	100.0	100.0
	36	95.3	100.0
	42	86.5	98.8
	48	76.0	86.4
	54	67.6	76.8
	60	60.8	69.1
84	66	55.3	62.8
	72	50.7	57.6
	24	100.0	100.0
	30	89.3	100.0
	36	74.5	84.7
	42	63.8	72.6
	48	55.8	63.5
	54	49.6	56.4
96	60	44.7	50.8
	66	40.6	46.2
	72	37.2	42.3
	24	85.5	97.2
	30	68.4	77.8
	36	57.0	64.8
	42	48.9	55.6
	48	42.8	48.6
96	54	38.0	43.2
	60	34.2	38.9
	66	31.1	35.4
	72	28.5	32.4

NOTE: INDIVIDUAL UNIT SIZES ARE LIMITED BY THEIR OWN INDIVIDUAL "NOTICE OF ACCEPTANCE"

MULLION "D" = EXTRUDED ALUMINUM PLATE

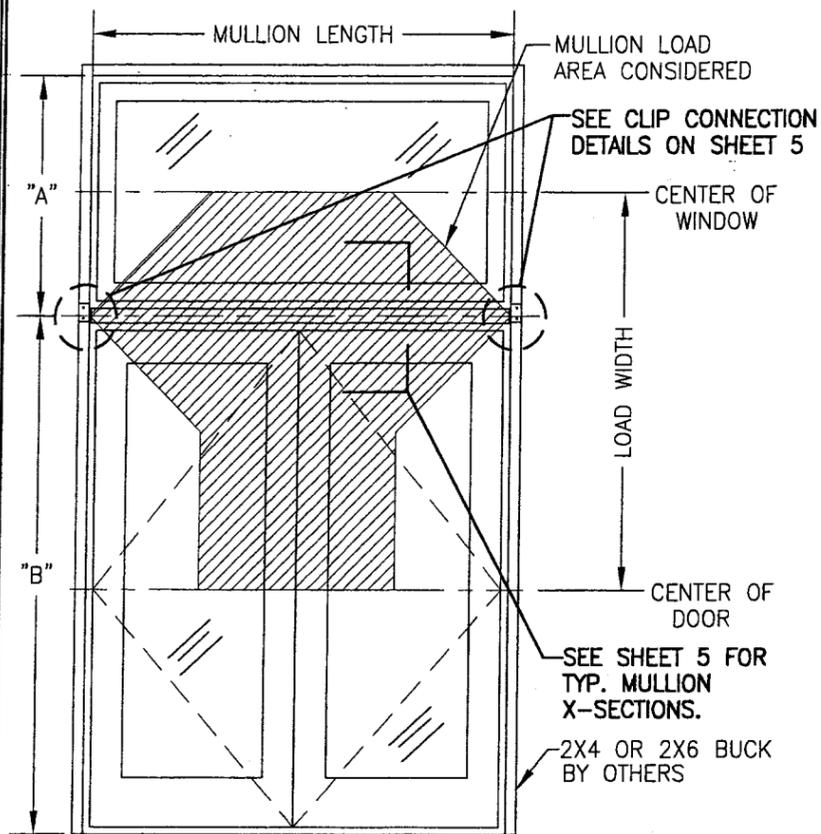
GENERAL NOTES (ALL DRAWING SHEETS):

1. THESE MULLION SYSTEMS HAVE BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN ON THESE DRAWINGS.
2. BUCKING, OPENINGS & BUCKING FASTENERS MUST BE DESIGNED & INSTALLED TO WITHSTAND WIND LOADS AS DETERMINED FOR EA. APPLICATION
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & MAY NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS.
4. THESE MULLION SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
5. THIS PRODUCT HAS BEEN TESTED IN ACCORDANCE WITH DADE COUNTY PROTOCOLS TAS-201, TAS-202 & TAS-203 FOR LARGE MISSILE IMPACT, STRUCTURAL & CYCLIC TESTING.
6. PRODUCTS APPROVED WITH THESE MULLIONS ARE:
 - a) IMPACT & NON-IMPACT FRENCH DOORS
 - b) IMPACT & NON-IMPACT CASEMENT WINDOWS
 - c) IMPACT & NON-IMPACT SASH GLAZED FIXED WINDOWS
 - d) IMPACT & NON-IMPACT DIRECT GLAZED FIXED WINDOWS

ALL PRODUCTS APPROVED WITH THESE MULLIONS MUST HAVE A MIN. 0.81" X 4.562" WOOD JAMB WITH MINIMUM WOOD PROPERTIES BEING EQUAL TO THAT OF PONDEROSA PINE. ALSO, PRODUCTS USED WITH THESE MULLIONS MUST HOLD A DADE COUNTY "NOTICE OF ACCEPTANCE" (N.O.A.).
7. ALL BUCKING MUST BE RIPPED TO FIT DEPTH REQUIRED BY THE MULLION END CLIPS. (SEE DETAILS ON SHEET 6)
8. ALLOWABLE PRESSURE ON THE MULLED UNIT SHALL BE CONTROLLED BY THE LESSER ALLOWABLE PRESSURE OF THE MULLION OR THE INDIVIDUAL DOOR/WINDOW UNITS.
9. FOR WINDOW OR DOOR FRAME TO BUCK ATTACHMENT, SEE THE RESPECTIVE PRODUCT APPROVAL DRAWINGS FOR THE WINDOW/DOOR.
10. MULLION LENGTHS ARE RESTRICTED BY THOSE SHOWN IN THE TABLES.

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 10/13/00	
DATE	08/01/05		
BY	WWS		
REVISION DESCRIPTION	UPDATE GENERAL NOTES TO 2004		
NO.	A1	CODE COMPLIANT	
DRAWING TITLE: CLIPPED IMPACT & NON-IMPACT EXTRUDED PLATE MULLIONS			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		MANUFACTURER KML WINDOWS, INC. 23 BUCHANAN COURT LONDON, ONTARIO, CANADA N5Z4P9 519-681-7012	
CERTIFICATION AUG 11 2011		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO.	1003F	REV.	A
SHEET NO. 1 OF 5			

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 05-0817.09
 Expiration Date AUG. 23, 2011
 By *Warren W. Schaefer*
 Miami/Dade Product Control
 Division



DOUBLE DOOR WITH TRANSOM
 LOAD WIDTH = (A + B)/2

NOTE: "TRANSOM" MAY BE A SASH GLAZED FIXED WINDOW, DIRECT GLAZED FIXED WINDOW OR A FIXED DOOR PANEL.

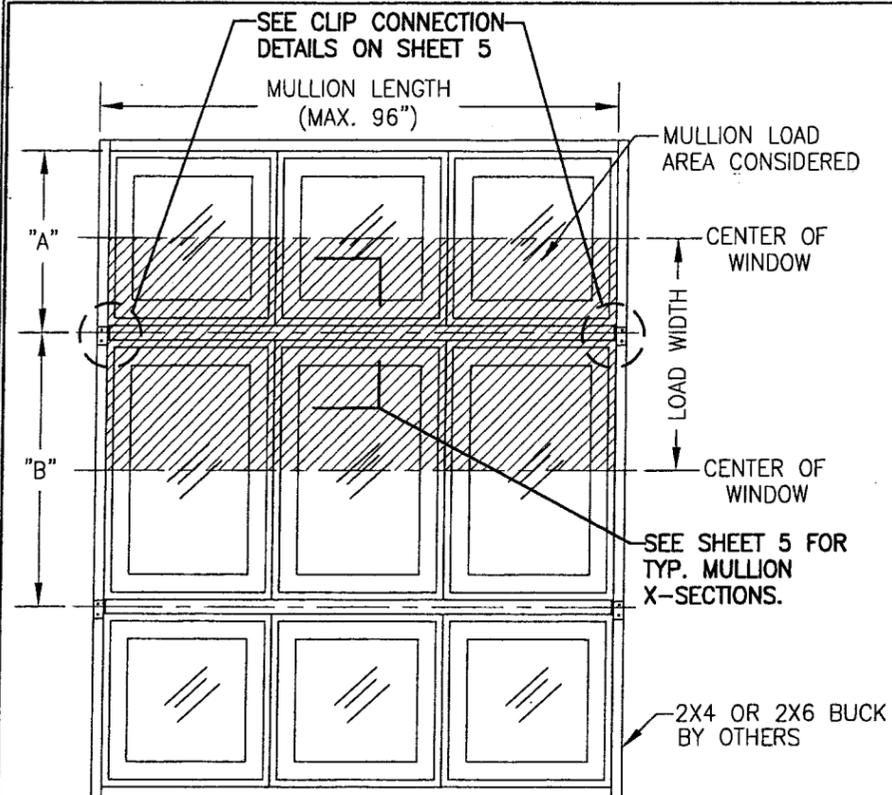
DOUBLE DOOR WITH TRANSOM			
LENGTH (IN.)	LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (PSF)	
		MULLION "D"	
		POS	NEG
48	48	100.0	100.0
	54	100.0	100.0
	60	91.9	100.0
	66	83.5	95.5
	72	76.6	87.5
54	48	100.0	100.0
	54	90.7	100.0
	60	81.7	93.3
	66	74.2	84.8
	72	68.1	77.8
60	48	91.9	100.0
	54	81.7	93.3
	60	73.5	84.0
	66	66.8	76.4
	72	61.3	70.0
66	48	83.5	95.5
	54	74.2	84.8
	60	66.8	76.4
	66	60.7	69.4
	72	55.7	63.6
72	48	76.0	86.4
	54	67.6	76.8
	60	60.8	69.1
	66	55.3	62.8
	72	50.7	57.6
78	48	76.0	86.4
	54	67.6	76.8
	60	60.8	69.1
	66	55.3	62.8
	72	50.7	57.6
84	48	76.0	86.4
	54	67.6	76.8
	60	60.8	69.1
	66	55.3	62.8
	72	50.7	57.6

MULLION "D" = EXTRUDED ALUMINUM PLATE

NOTE: INDIVIDUAL UNIT SIZES ARE LIMITED BY THEIR OWN INDIVIDUAL "NOTICE OF ACCEPTANCE"

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=24	DATE: 10/13/00
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE: CLIPPED IMPACT & NON-IMPACT EXTRUDED PLATE MULLIONS MANUFACTURER: KML WINDOWS, INC. 23 BUCHANAN COURT LONDON, ONTARIO, CANADA N5Z4P9 519-681-7012	
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION: WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1003F	REV. A
SHEET NO. 2 OF 5	

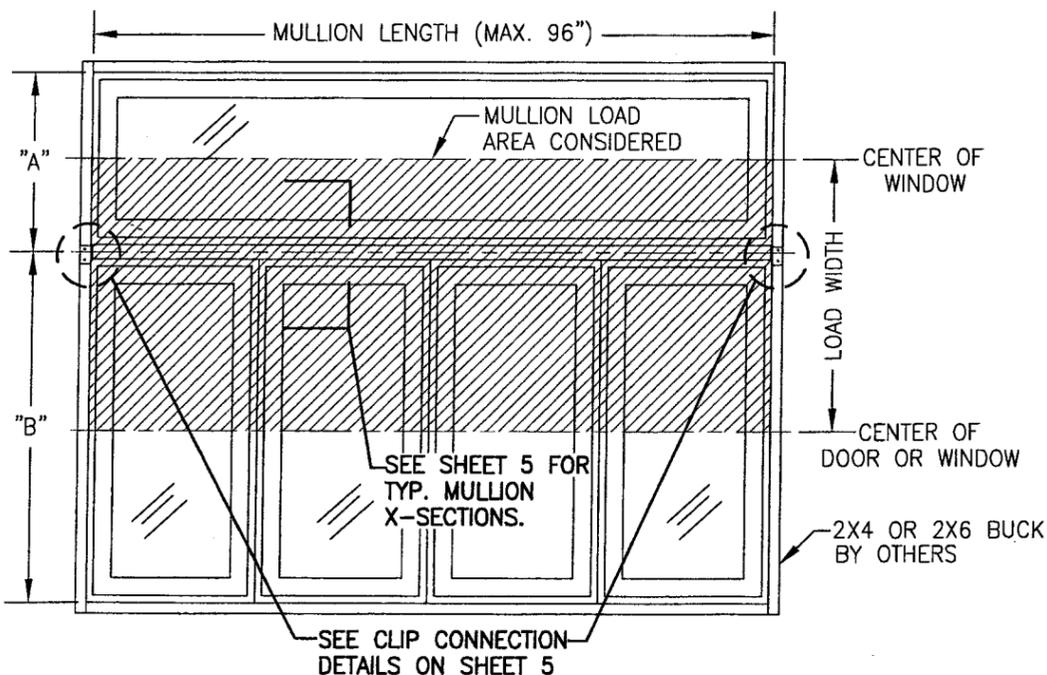
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. **05-0817.09**
 Expiration Date **AUG. 23, 2011**
 By *Manuel Sosa*
 Miami Dade Product Control
 Division



MULTIPLE WINDOWS (HORIZONTAL MULLION)

LOAD WIDTH = (A + B)/2

MULLIONS MAY BE HORIZONTAL OR VERTICAL



MULTIPLE WINDOWS/DOORS WITH TRANSOM

LOAD WIDTH = (A + B)/2

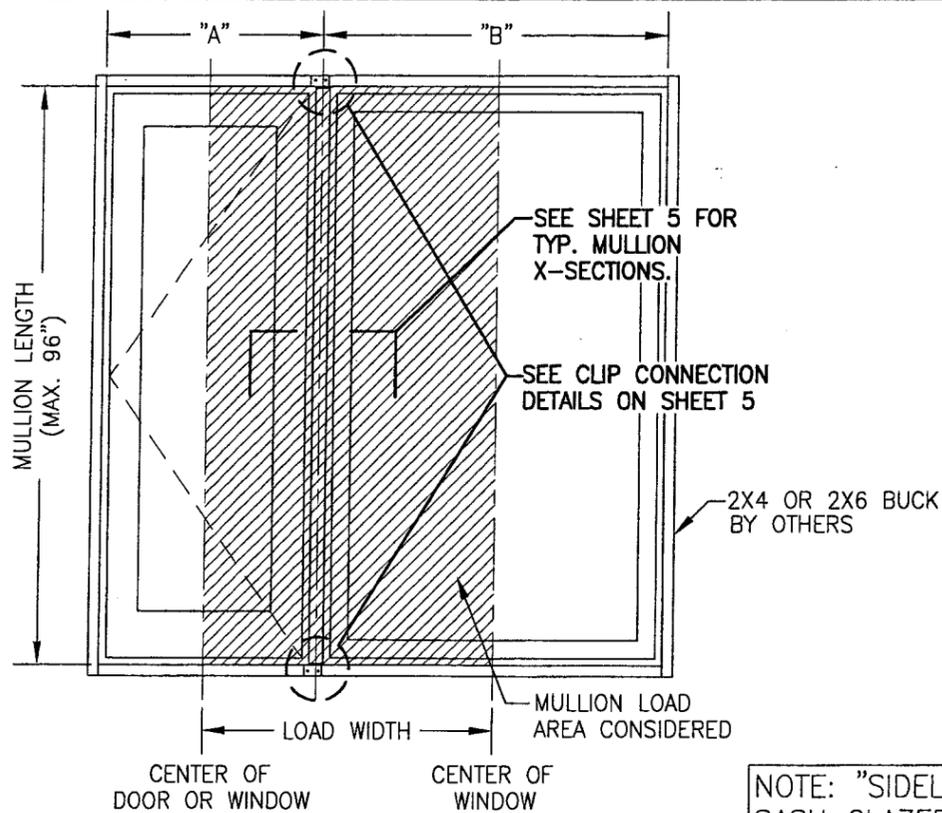
TRANSOM MAY BE SINGLE OR MULTIPLE WINDOWS

NOTE: INDIVIDUAL UNIT SIZES ARE LIMITED BY THEIR OWN INDIVIDUAL "NOTICE OF ACCEPTANCE"

MULTIPLE WINDOWS/DOORS				
LENGTH (IN.)	LOAD WIDTH (IN.)	ALLOWABLE PRESSURES (PSF)		
		MULLION "D"		
		POS	NEG	
36	48	100.0	100.0	
	54	95.3	100.0	
	60	85.8	98.0	
	66	78.0	89.1	
	72	71.5	81.7	
	78	66.0	75.4	
48	36	100.0	100.0	
	42	91.9	100.0	
	48	80.4	91.9	
	54	71.5	81.7	
	60	64.3	73.5	
	66	58.5	66.8	
	72	53.6	61.3	
	78	49.5	56.5	
60	30	100.0	100.0	
	36	85.8	98.0	
	42	73.5	84.0	
	48	64.3	73.5	
	54	57.2	65.3	
	60	51.5	58.8	
	66	46.8	53.5	
	72	42.9	49.0	
	78	39.6	45.2	
	84	36.2	42.2	
72	24	93.3	93.3	
	30	74.6	74.6	
	36	62.2	62.2	
	42	53.3	53.3	
	48	46.7	46.7	
	54	41.5	41.5	
	60	37.3	37.3	
	66	33.9	33.9	
	72	31.1	31.1	
	78	28.7	28.7	
	84	26.1	26.1	
	84	24	58.8	58.8
30		47.0	47.0	
36		39.2	39.2	
42		33.6	33.6	
48		29.4	29.4	
54		26.1	26.1	
60		-	-	
66		-	-	
72		-	-	
78		-	-	
96		24	39.4	39.4
		30	31.5	31.5
		36	26.2	26.2
		42	-	-
	48	-	-	
	54	-	-	
	60	-	-	
	66	-	-	
	72	-	-	
	78	-	-	

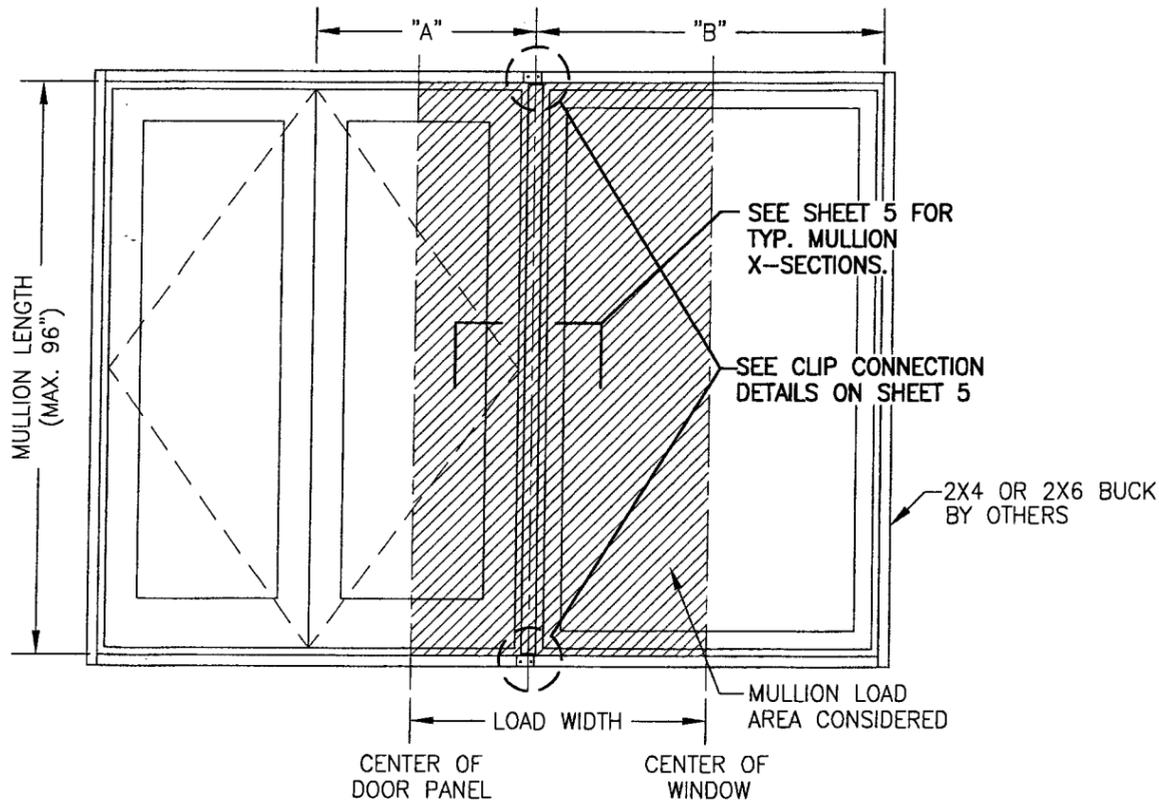
MULLION "D" = EXTRUDED ALUMINUM PLATE

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=24	DATE: 10/13/00
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE CLIPPED IMPACT & NON-IMPACT EXTRUDED PLATE MULLIONS	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	MANUFACTURER KML WINDOWS, INC. 23 BUCHANAN COURT LONDON, ONTARIO, CANADA N5Z4P9 519-681-7012
CERTIFICATION AUG 2005 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	PRODUCT REVISED as complying with the Florida Building Code Acceptance No 05-0817.D9 Expiration Date AUG. 23, 2011 By <i>Warren W. Schaefer</i> Miami Dade Product Control Division
DRAWING NO. 1003F	REV. A
SHEET NO. 3	OF 5



SINGLE DOOR OR CASEMENT WITH SIDELIGHT
LOAD WIDTH = (A + B)/2

NOTE: "SIDELIGHT" MAY BE A SASH GLAZED FIXED WINDOW, A DIRECT GLAZED FIXED WINDOW, OR A FIXED DOOR PANEL.



DOUBLE DOOR WITH SIDELIGHT
LOAD WIDTH = (A + B)/2

DOOR WITH SIDELIGHT			
LENGTH (IN.)	LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (PSF)	
		MULLION "D"	
		POS	NEG
48	36	100.0	100.0
	42	91.9	100.0
	48	80.4	91.9
	54	71.5	81.7
	60	64.3	73.5
54	30	100.0	100.0
	36	95.3	100.0
	42	81.7	93.3
	48	71.5	81.7
	54	63.5	72.6
60	30	100.0	100.0
	36	85.8	98.0
	42	73.5	84.0
	48	64.3	73.5
	54	57.2	65.3
66	24	100.0	100.0
	30	93.5	100.0
	36	78.0	89.1
	42	66.8	76.4
	48	58.5	66.8
72	24	100.0	100.0
	30	85.8	98.0
	36	71.5	81.7
	42	61.3	70.0
	48	53.6	61.3
78	24	98.9	100.0
	30	79.2	90.5
	36	66.0	75.4
	42	56.5	64.6
	48	49.5	56.5
80	24	96.5	100.0
	30	77.2	88.2
	36	64.3	73.5
	42	55.1	63.0
	48	48.2	55.1
84	24	80.4	91.9
	30	64.3	73.5
	36	53.6	61.3
96	24	80.4	91.9
	30	64.3	73.5
	36	53.6	61.3

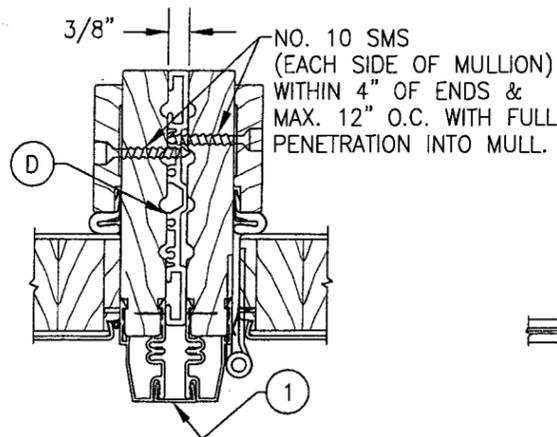
DOOR WITH SIDELIGHT			
LENGTH (IN.)	LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (PSF)	
		MULLION "D"	
		POS	NEG
84	24	91.9	100.0
	30	73.5	84.0
	36	61.3	70.0
	42	52.5	60.0
	48	45.9	52.5
96	24	80.4	91.9
	30	64.3	73.5
	36	53.6	61.3
	42	45.9	52.5
	48	40.2	45.9
108	24	40.8	40.8
	30	32.2	36.8

MULLION "D" = EXTRUDED ALUMINUM PLATE

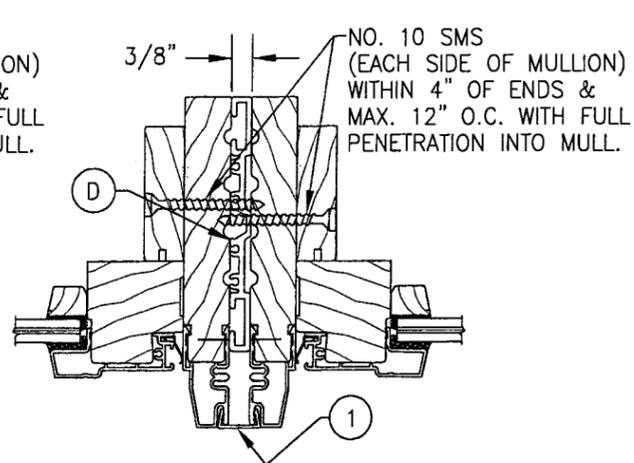
NOTE: INDIVIDUAL UNIT SIZES ARE LIMITED BY THEIR OWN INDIVIDUAL "NOTICE OF ACCEPTANCE"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 05-0817-09
Expiration Date AUG. 23, 2011
By *Manuel Serrano*
Miami Dade Product Control
Division

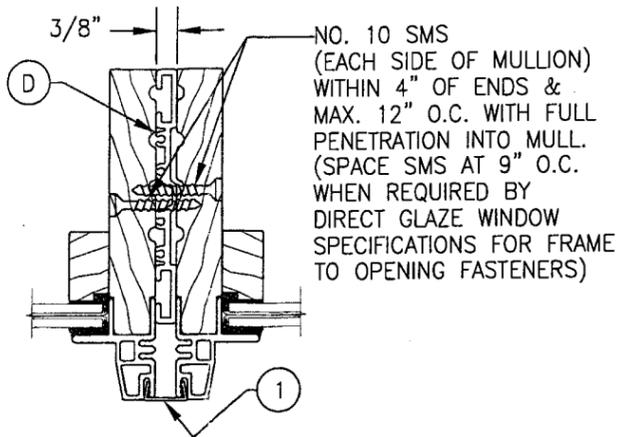
DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=24	DATE: 10/13/00
NO.	DATE
BY	REVISION DESCRIPTION
DRAWING TITLE CLIPPED IMPACT & NON-IMPACT EXTRUDED PLATE MULLIONS	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	MANUFACTURER KML WINDOWS, INC. 23 BUCHANAN COURT LONDON, ONTARIO, CANADA N5Z4P9 519-681-7012
CERTIFICATION AUG 23 2005 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	DRAWING NO. REV. 1003F A
SHEET NO. 4 OF 5	



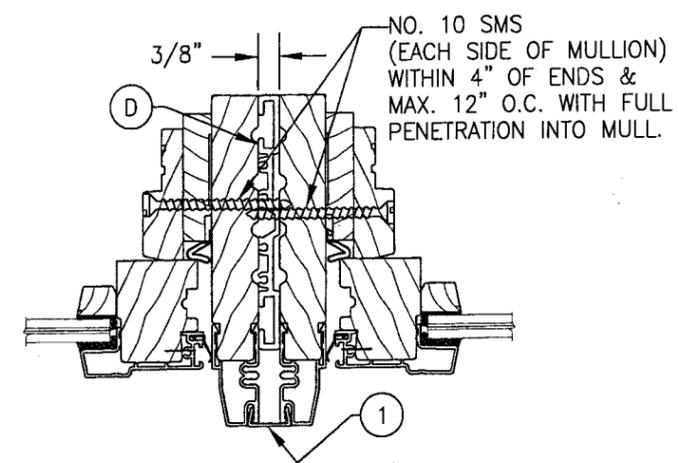
DOOR MULLIONS



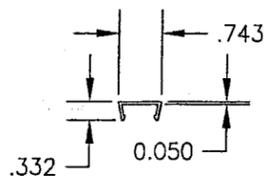
SASH GLAZED FIXED WINDOW MULLIONS



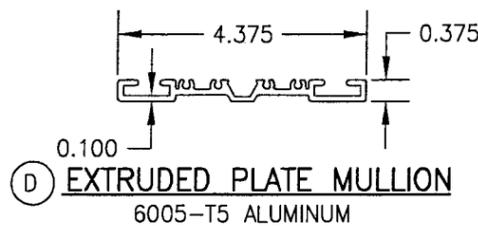
DIRECT GLAZED WINDOW MULLIONS



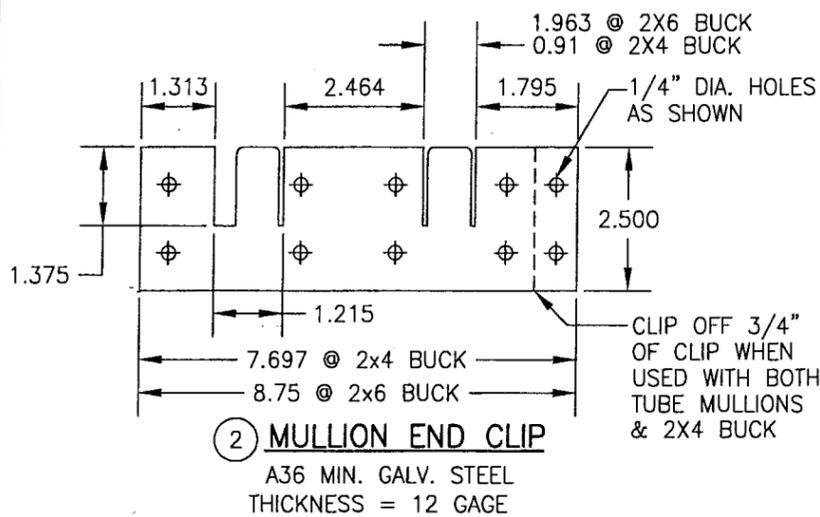
CASEMENT WINDOW MULLIONS



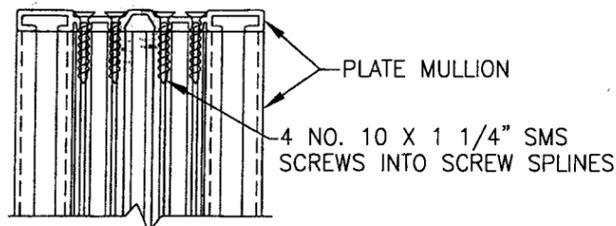
1 MULLION CAP
6063-T5 ALUMINUM



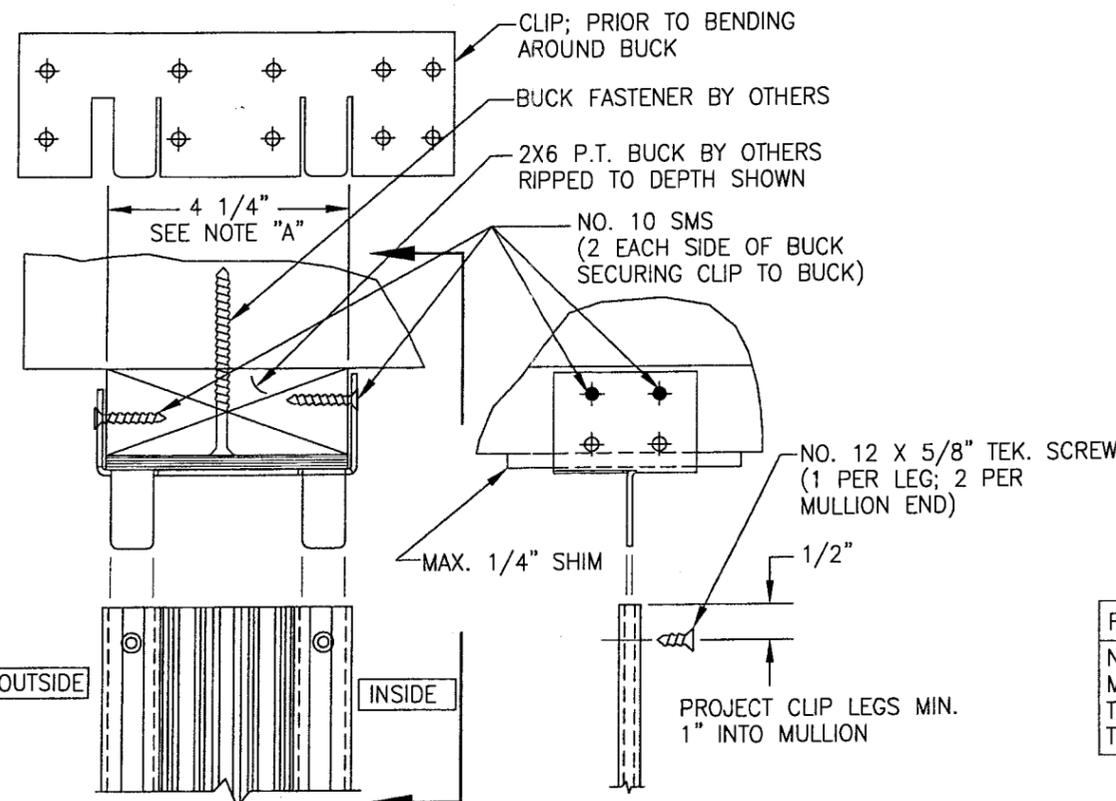
D EXTRUDED PLATE MULLION
6005-T5 ALUMINUM



2 MULLION END CLIP
A36 MIN. GALV. STEEL
THICKNESS = 12 GAGE



MULLION END CONNECTION DETAIL
PLATE TO PLATE CONNECTION



MULLION END CONNECTION DETAIL

TYP. WITH EXTRUDED PLATE MULLION "D"

NOTE: THIS CONNECTION IS ALSO APPLICABLE FOR A PLATE TO TUBE CONNECTION EXCEPT THAT THE NO. 10 SMS INTO THE BUCK SHALL BE NO. 10 TEK SCREWS INTO THE TUBE.

NOTE "A":
WHEN CLIP IS USED WITH THE EXTRUDED PLATE, THE 7.697" LONG CLIP MAY BE USED WITH A 2X6 BUCK RIPPED DOWN TO 4 1/4" OR THE 8.75" LONG CLIP MAY BE USED WITH A FULL 2X6 BUCK.

NOTE:
ANY ADDITIONAL FASTENERS REQUIRED BY THE INDIVIDUAL DOOR OR WINDOW N.O.A. (EX: STRIKE OR HINGE FASTENERS TO BUCK) SHALL BE REPLACED WITH AN EQUAL SIZE TEK SCREW FOR PENETRATION INTO THE MULLION.

WHEN ONE PRODUCT IS MULLED TO ANOTHER PRODUCT, THE JAMBS SHALL BE FASTENED TO THE MULLION AS SHOWN IN THE PRODUCT MULLION DETAILS ON THIS SHEET.

FOR PRE-ATTACHMENT OF PLATE MULL "A" TO JAMB
NOTE: JAMB TO MULLION SCREWS WITH THE PLATE MULLION "A" MAY BE REVERSED SUCH THAT THEY RUN THROUGH THE PLATE & INTO THE JAMB PROVIDING THE SCREWS FULLY PENETRATE THE JAMB.

NOTE:
PREBEND EXTERIOR SIDE OF CLIP IN SHOP. FIELD BEND INTERIOR SIDE OF CLIP TO WRAP BUCK.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 05-0817.09
Expiration Date Aug. 23, 2011
By *Manuel...*
Miami Dade Product Control
Division

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=3	DATE: 10/13/00
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE CLIPPED IMPACT & NON-IMPACT EXTRUDED PLATE MULLIONS	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	MANUFACTURER KML WINDOWS, INC. 23 BUCHANAN COURT LONDON, ONTARIO, CANADA N5Z4P9 519-681-7012
CERTIFICATION AUG 21 2005 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	DRAWING NO. 1003F REV. A
	SHEET NO. 5 OF 5