



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) 372-6339

**NOTICE OF ACCEPTANCE (NOA)**

[www.miamidade.gov/buildingcode](http://www.miamidade.gov/buildingcode)

**Hartman Windows and Doors, LLC.**  
531 Southern Boulevard  
West Palm Beach, FL 33405

**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: Series "European Clipped/ Unclipped" Wood and Steel Mullion- L.M.I**

**APPROVAL DOCUMENT:** Drawing No. M07-01, titled "Series European Clipped/ Unclipped" Wood and Steel Mullion", sheets 1 through 7 of 7, dated 05/08/2007 with revision A dated 10/26/2007, prepared by Al-Farooq Corporation, dated 11/01/2007, signed and sealed by Dr. Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: Large Missile 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 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 **Jaime D. Gascon, P.E.**



*J. Gascon*  
12/7/07

NOA No. 07-0918.02  
Expiration Date: December 27, 2012  
Approval Date: December 27, 2007

**Hartman Windows and Doors, LLC.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **M07-01**, titled "Series European Clipped/ Unclipped" Wood and Steel Mullion", sheets 1 through 7 of 7, dated 05/08/2007 with revision A dated 10/26/2007, prepared by Al-Farooq Corporation, dated 11/01/2007, signed and sealed by Dr. Humayoun Farooq, P.E.

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94  
along with marked-up drawings and installation diagram, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5191**, dated February 19, 2007, signed and sealed by Michael Wenzel, P.E.
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94  
along with marked-up drawings and installation diagram, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4941**, dated December 11, 2006, signed and sealed by Edmundo Largaespada, P.E.
3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94  
along with marked-up drawings and installation diagram, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4944**, dated November 14, 2006, signed and sealed by Edmundo Largaespada, P.E.



Jaime D. Gascon, P.E.  
Chief, Product Control Division  
NOA No. 07-0918.02  
Expiration Date: December 27, 2012  
Approval Date: December 27, 2007

**Hartman Windows and Doors, LLC.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**B. TESTS (Continuous)**

4. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagram, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4969**, dated August 21, 2006, signed and sealed by Edmundo Largaespada, P.E.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by Al-Farooq Corporation, dated May 14, 2007, signed and sealed by Humayoun Farooq, P.E.

**Complies with ASTM E1300-98/ 02**

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

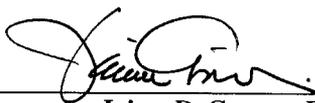
1. None

**F. STATEMENTS**

1. Statement letter of conformance, compliance and no financial interest, dated April 24, 2007, signed and sealed by Humayoun Farooq, P.E.
2. Statement letter of conformance, dated January 25, 2007, signed and sealed by Edmundo Largaespada, P.E.

**G. OTHER**

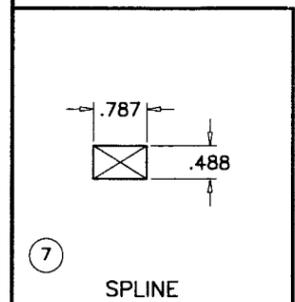
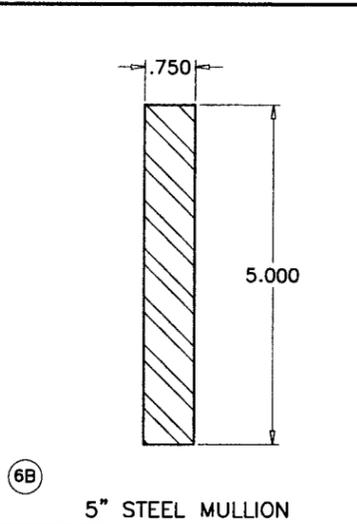
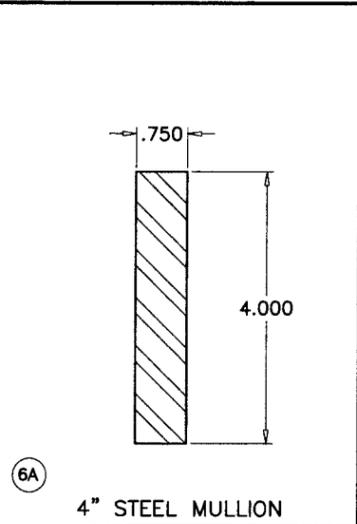
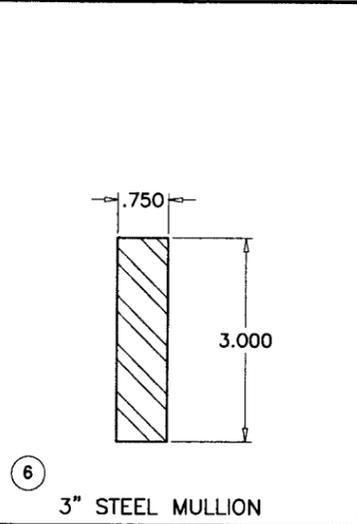
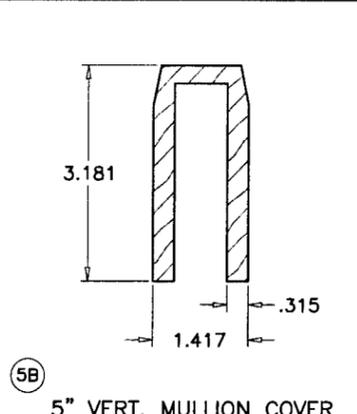
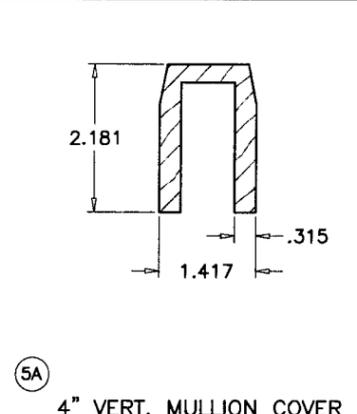
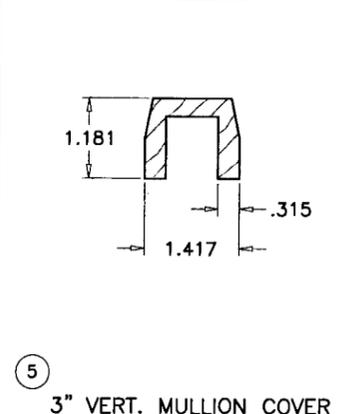
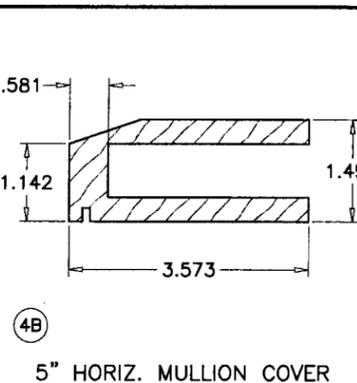
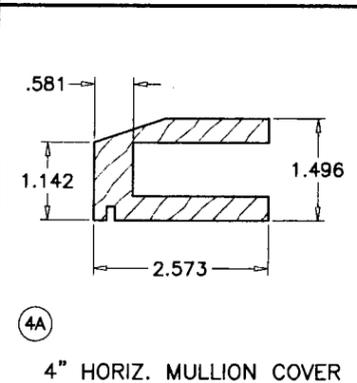
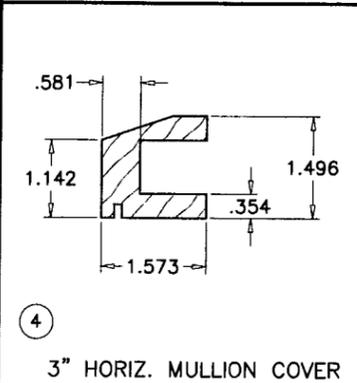
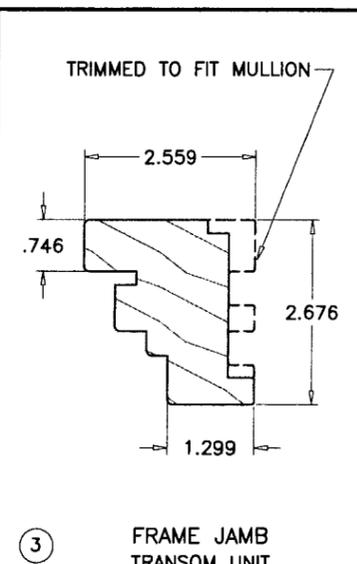
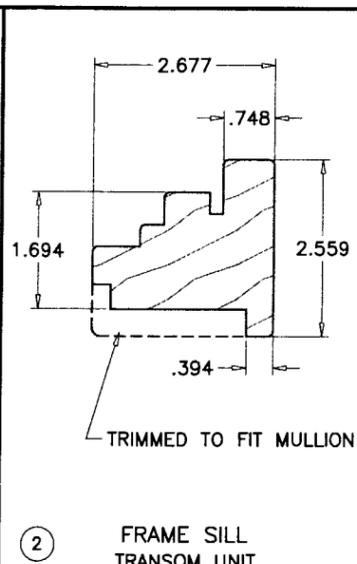
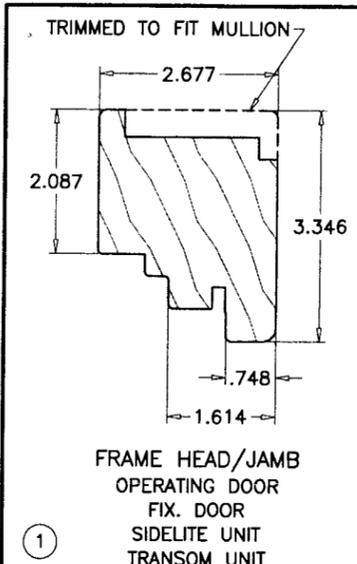
1. None



**Jaime D. Gascon, P.E.**  
**Chief, Product Control Division**  
NOA No. 07-0918.02

**Expiration Date: December 27, 2012**  
**Approval Date: December 27, 2007**

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	-	AS REQD.	FRAME HEAD/JAMB (OPER./FIX. DOOR, SIDELITE UNIT, TRANSOM UNIT)	WOOD	MAHOGANY
2	-	AS REQD.	FRAME SILL (TRANSOM UNIT)	WOOD	MAHOGANY
3	-	AS REQD.	FRAME JAMB (TRANSOM UNIT)	WOOD	MAHOGANY
4	-	AS REQD.	3" HORIZ. MULLION COVER	WOOD	MAHOGANY
4A	-	AS REQD.	4" HORIZ. MULLION COVER	WOOD	MAHOGANY
4B	-	AS REQD.	5" HORIZ. MULLION COVER	WOOD	MAHOGANY
5	-	AS REQD.	3" VERTICAL MULLION COVER	WOOD	MAHOGANY
5A	-	AS REQD.	4" VERTICAL MULLION COVER	WOOD	MAHOGANY
5B	-	AS REQD.	5" VERTICAL MULLION COVER	WOOD	MAHOGANY
6	-	AS REQD.	3" MULLION	STEEL	-
6A	-	AS REQD.	4" MULLION	STEEL	-
6B	-	AS REQD.	5" MULLION	STEEL	-
7	-	AS REQD.	SPLINE	WOOD	-



MULLION SYSTEM IS RATED FOR LARGE MISSILE IMPACT AND CAN BE USED WITH ALL MIAMI-DADE COUNTY APPROVED IMPACT AND NON-IMPACT RESISTANT PRODUCTS.

**CLIPPED/UNCLIPPED WOOD & STEEL MULLION SYSTEM WINDOW/DOOR FRAME MEMBERS INCLUDED IN PROPERTIES**

DESIGN LOAD RATING FOR THIS MULLION TO BE AS PER CHARTS SHOWN ON SHEETS 2 THRU 4.

APPROVAL APPLIES TO MULLIONS COMBINATIONS WITH FRAME MEMBERS OF WINDOWS AND DOORS IN ANY COMBINATIONS.

SEE HARTMAN WINDOWS SEPARATE NOA FOR WINDOW/DOOR ANCHORS AND DESIGN LOAD CAPACITY.

LOWEST VALUE RESULTING FROM MULLION, WINDOW OR DOOR APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

ALL GLAZING PRODUCTS USED WITH THESE MULLIONS MUST MEET THE APPLICABLE BUILDING CODE REQUIREMENTS I.E: WIND LOAD, WATER INFILTRATION, FORCED ENTRY RESISTANCE, SAFEGUARDS ETC.

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL COVERING (STUCCO, TILE ETC.).

ANCHORING CONDITIONS OTHER THAN THOSE SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004 FLORIDA BLDG. CODE SECTION 2003.8.4.

Engr: DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 16557  
C.A.N. 3538

NOV 01 2007

Approved as complying with the Florida Building Code  
Date 12/27/2007  
NOA# 07-0918.02  
Miami Dade Product Control Division  
By *[Signature]*

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
12335 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\M07-01HWD

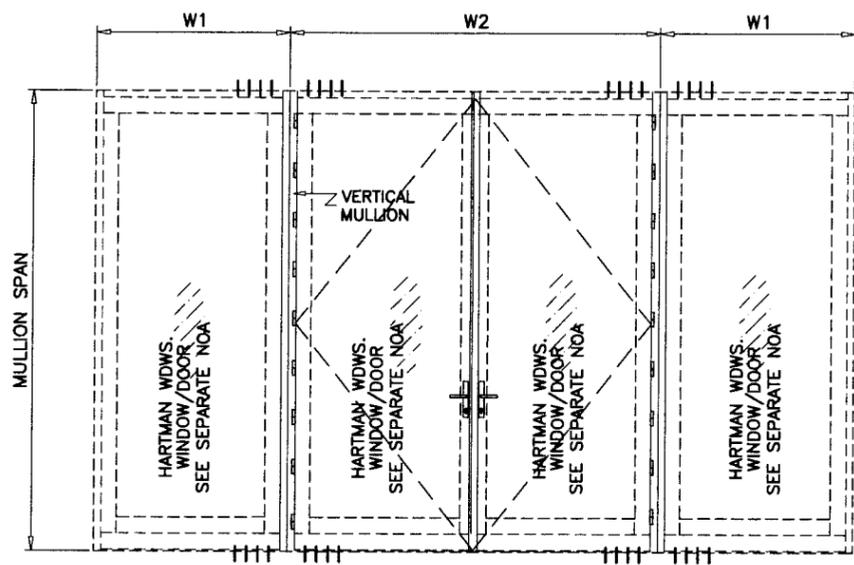
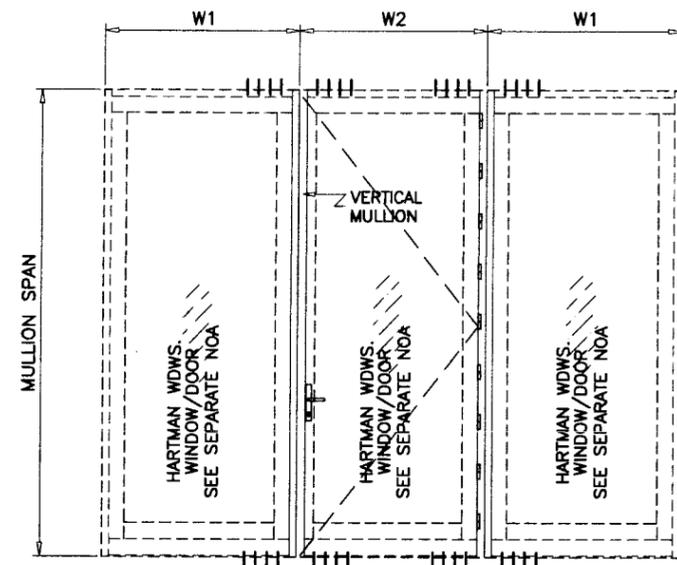
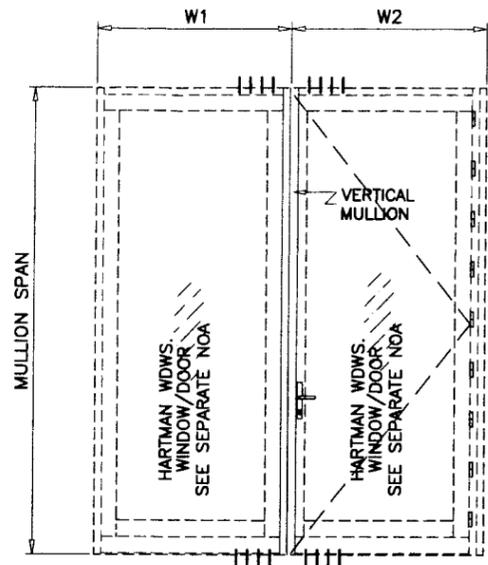
CLIPPED/UNCLIPPED WOOD & STEEL MULLION  
**HARTMAN WINDOWS & DOORS, LLC**  
531 SOUTHERN BLVD.  
WEST PALM BEACH, FL 33405  
TEL. (561) 296-9600 FAX. (561) 296-9601

no.	date	by	description
A	10.26.07		REV. PER BCCO COMMENTS

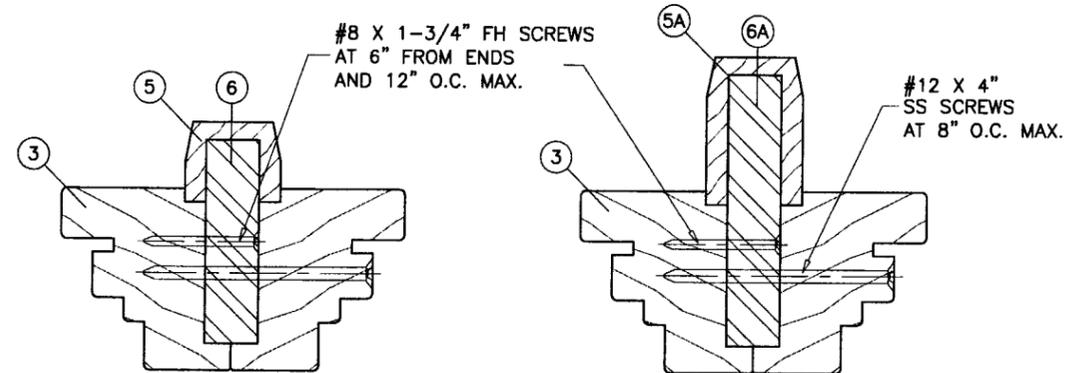
date: 05-08-07  
scale: 3/8" = 1"  
dr. by: HAMID  
chk. by:

drawing no. **M07-01**  
sheet 1 of 7

DESIGN LOAD CAPACITY - PSF					
WINDOW DIMS.		3" MULLION		4" MULLION	
WIDTH (W)	MULL SPAN	ANCHORS TYPE 'A'	ANCHORS TYPE 'B'	ANCHORS TYPE 'A'	ANCHORS TYPE 'B'
24"	84"	70.0	70.0	70.0	70.0
30"		70.0	70.0	70.0	70.0
36"		70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	70.0
24"	96"	70.0	70.0	70.0	70.0
30"		70.0	70.0	70.0	70.0
36"		70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	70.0
24"	108"	70.0	70.0	70.0	70.0
30"		70.0	70.0	70.0	70.0
36"		70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0
48"		65.1	70.0	65.1	70.0
24"	120"	70.0	70.0	70.0	70.0
30"		70.0	70.0	70.0	70.0
36"		65.7	65.7	70.0	70.0
42"		57.0	57.0	63.2	70.0
48"		50.7	50.7	57.0	70.0

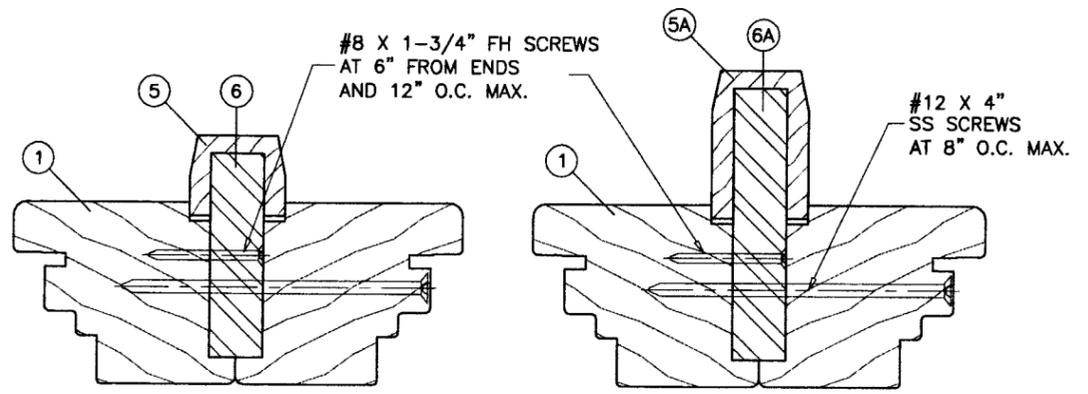


$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$



SIDELITE TO SIDELITE  
VERTICAL JOIN

SIDELITE TO SIDELITE  
VERTICAL JOIN



FRENCH DOOR TO FRENCH DOOR  
VERTICAL JOIN

FRENCH DOOR TO FRENCH DOOR  
VERTICAL JOIN

3" MULLION

4" MULLION

SEE SHEET 5 FOR ANCHORS TYPE 'A'.  
SEE SHEET 6 FOR ANCHORS TYPE 'B'.

Engr: DR. HUMAYOON FAROOQ  
STRUCTURES  
FLA. PE # 16557  
C.A.N. 3538  
NOV 01 2007

Approved as complying with the  
Florida Building Code  
Date 12/27/2007  
NOA# 07-0918.02  
Miami Dade Product Control  
Division  
By *[Signature]*

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978

CLIPPED/UNCLIPPED WOOD & STEEL MULLION  
**HARTMAN WINDOWS & DOORS, LLC**  
531 SOUTHERN BLVD.  
WEST PALM BEACH, FL 33405  
TEL. (561) 296-9600 FAX. (561) 296-9601

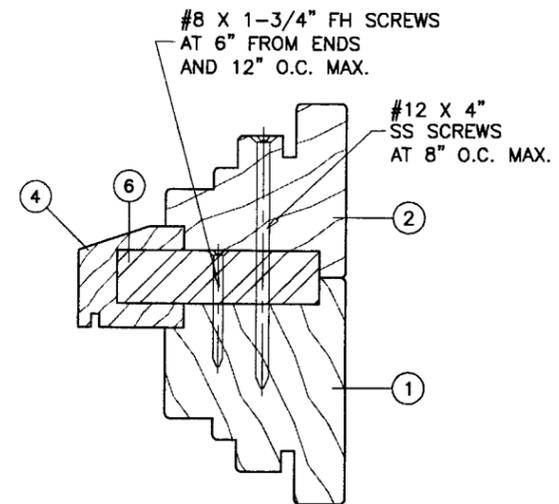
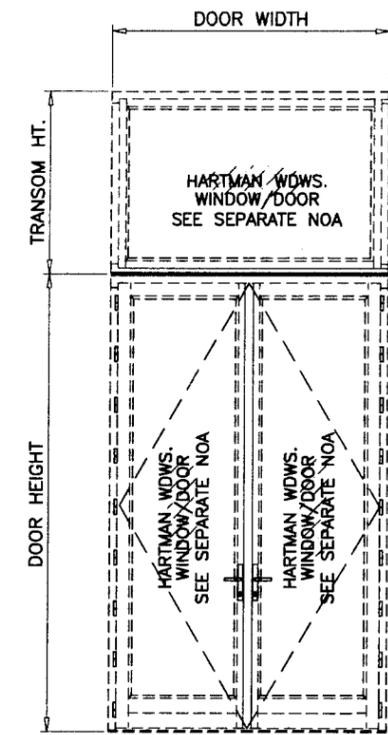
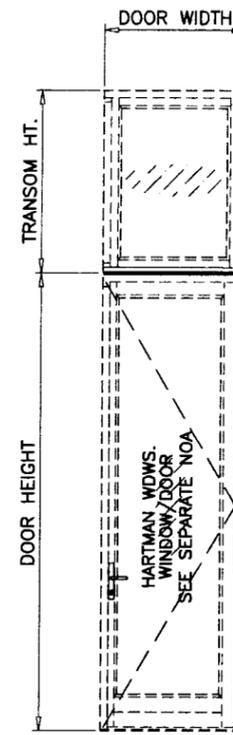
no	date	description
A	10.26.07	REV. PER BCCO COMMENTS

date: 05-08-07	scale: 3/8" = 1"
dr. by: HAMID	chk. by:

drawing no.  
**M07-01**  
sheet 2 of 7

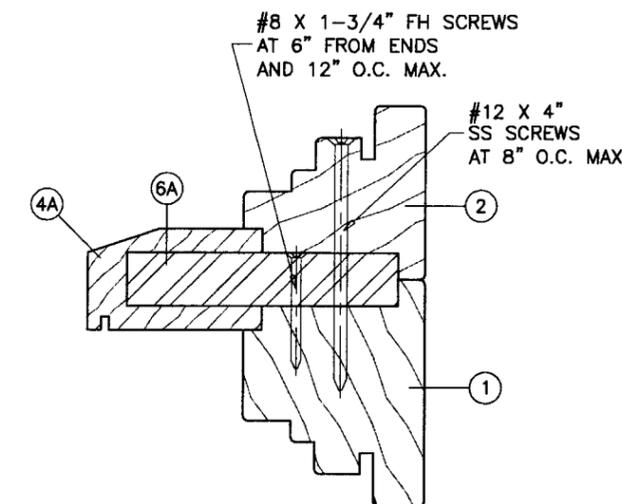
DESIGN LOAD CAPACITY				
NOMINAL DIMS.			ANCHOR TYPE 'A'	
OPNG. WIDTH INCHES	DOOR HEIGHT INCHES	TRANSOM HEIGHT INCHES	3" MULLION	4" MULLION
72	84	12	70.0	70.0
		18	70.0	70.0
		24	70.0	70.0
		30	70.0	70.0
		36	70.0	70.0
		42	70.0	70.0
84	84	12	70.0	70.0
		18	70.0	70.0
		24	70.0	70.0
		30	70.0	70.0
		36	70.0	70.0
		42	70.0	70.0
96	84	12	70.0	70.0
		18	70.0	70.0
		24	70.0	70.0
		30	66.8	70.0
		36	63.8	70.0
		42	61.2	70.0
72	96	12	70.0	70.0
		18	70.0	70.0
		24	70.0	70.0
		30	70.0	70.0
		36	70.0	70.0
		42	70.0	70.0
84	96	12	70.0	70.0
		18	70.0	70.0
		24	70.0	70.0
		30	70.0	70.0
		36	70.0	70.0
		42	70.0	70.0
96	96	12	69.9	70.0
		18	66.3	70.0
		24	63.2	70.0
		30	60.4	70.0
		36	57.9	70.0
		42	55.8	70.0
48	53.9	70.0		

DESIGN LOAD CAPACITY				
NOMINAL DIMS.			ANCHOR TYPE 'A'	
OPNG. WIDTH INCHES	DOOR HEIGHT INCHES	TRANSOM HEIGHT INCHES	3" MULLION	4" MULLION
72	108	12	70.0	70.0
		18	70.0	70.0
		24	70.0	70.0
		30	70.0	70.0
		36	70.0	70.0
		42	70.0	70.0
84	108	12	70.0	70.0
		18	70.0	70.0
		24	70.0	70.0
		30	70.0	70.0
		36	69.5	70.0
		42	67.3	70.0
96	108	12	65.3	70.0
		18	62.9	70.0
		24	60.0	70.0
		30	57.4	70.0
		36	55.1	70.0
		42	53.0	70.0
72	120	12	70.0	70.0
		18	70.0	70.0
		24	70.0	70.0
		30	70.0	70.0
		36	70.0	70.0
		42	70.0	70.0
84	120	12	70.0	70.0
		18	70.0	70.0
		24	70.0	70.0
		30	68.8	70.0
		36	66.3	70.0
		42	64.1	70.0
96	120	12	62.2	70.0
		18	60.5	70.0
		24	57.2	70.0
		30	54.8	70.0
		36	52.6	70.0
		42	50.6	70.0
96	120	12	48.9	69.4
		18	47.4	66.7
		24	46.0	64.5
		30		
		36		
		42		
48				



TRANSOM TO SIDELITE  
HORIZONTAL JOIN

3" MULLION



TRANSOM TO FRENCH DOOR  
HORIZONTAL JOIN

4" MULLION

SEE SHEET 5 FOR ANCHORS TYPE 'A'.

Engr: DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 16557  
C.A.N. 3538

NOV 01 2007

Approved as complying with the  
Florida Building Code  
Date 11/27/2007  
NOA# 07-0918.02  
Miami Dade Product Control  
Division  
By *[Signature]*

**afc**  
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-8978  
COMP-ANL\M07-01HWD

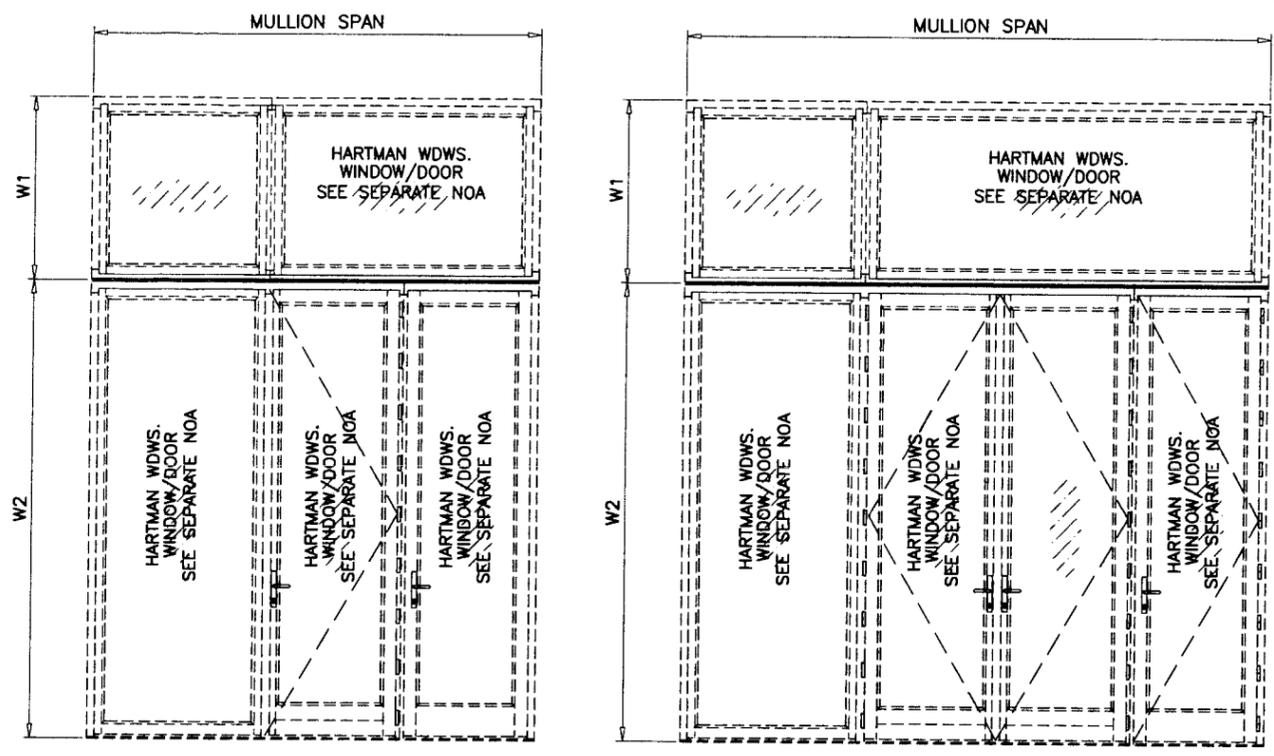
CLIPPED/UNCLIPPED WOOD & STEEL MULLION  
**HARTMAN WINDOWS & DOORS, LLC**  
531 SOUTHERN BLVD.  
WEST PALM BEACH, FL 33405  
TEL. (561) 296-9600 FAX. (561) 296-9601

no.	date	description
A	10.26.07	REV. PER BCCO COMMENTS

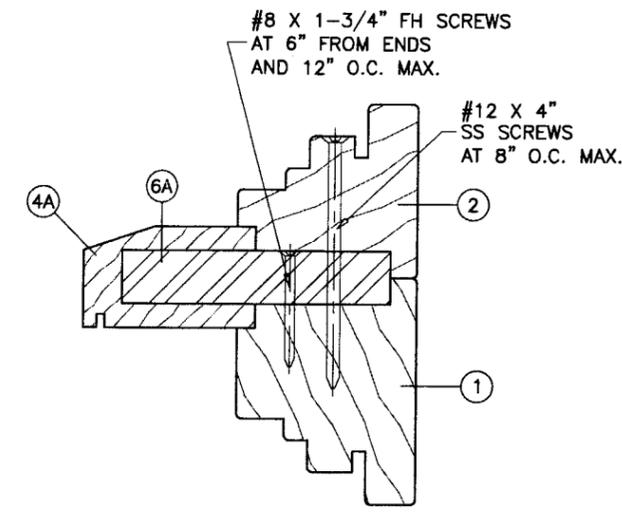
revisions:  
date: 05-08-07  
scale: 3/8" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**M07-01**  
sheet 3 of 7

DESIGN LOAD CAPACITY - PSF				
WINDOW DIMS.		ANCHOR TYPE 'C'		
WIDTH (W)	MULLION SPAN	3/4" X 4" STEEL BAR	3/4" X 5" STEEL BAR	
48"	96"	70.0	70.0	
54"		70.0	70.0	
60"		70.0	70.0	
66"		70.0	70.0	
72"		70.0	70.0	
78"		69.2	70.0	
84"		64.3	70.0	
84"		108"	70.0	70.0
54"	108"	70.0	70.0	
60"		70.0	70.0	
66"		64.6	70.0	
72"		59.3	70.0	
78"		54.7	70.0	
84"		50.8	70.0	
84"		120"	70.0	70.0
54"		120"	64.0	70.0
60"	57.6		70.0	
66"	52.4		70.0	
72"	48.0		70.0	
78"	44.3		69.2	
84"	41.1		64.3	
84"	132"		59.5	70.0
54"	132"		52.9	70.0
60"		47.6	70.0	
66"		43.3	67.6	
72"		39.7	62.0	
78"		36.6	57.2	
84"		34.0	53.1	
84"		144"	49.7	70.0
54"		144"	44.2	69.4
60"	39.8		62.5	
66"	36.2		56.8	
72"	33.2		52.1	
78"	30.6		48.1	
84"	-		44.6	
84"	156"		39.1	66.6
54"	156"		34.8	59.2
60"		31.3	53.3	
66"		-	48.4	
72"		-	44.4	
78"		-	41.0	
84"		-	38.0	

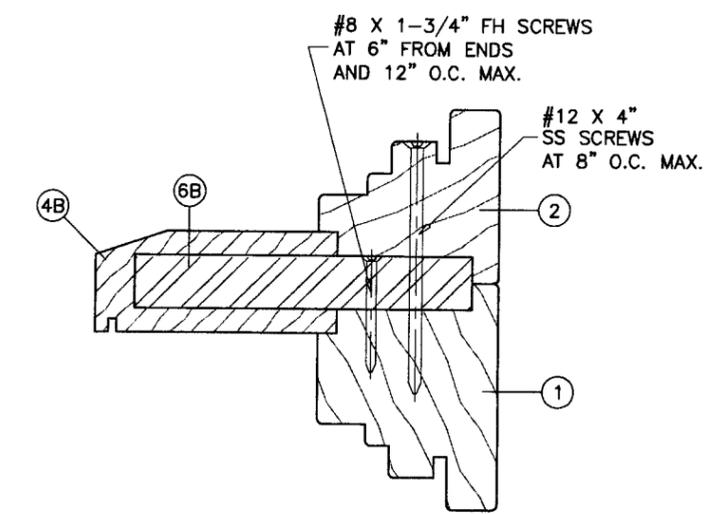


$$WIDTH (W) = \frac{W1 + W2}{2}$$



TRANSOM TO SIDELITE  
HORIZONTAL JOIN

4" MULLION



TRANSOM TO FRENCH DOOR  
HORIZONTAL JOIN

5" MULLION

SEE SHEET 7 FOR ANCHORS TYPE 'C'.

Engr: DR. HUMAYGUN FAROOQ  
STRUCTURES  
FLA. PE # 16557  
C.A.N. 3538

NOV 01 2007

Approved as complying with the  
Florida Building Code  
Date 11/27/2007  
NOA# 07-0910.02  
Miami Dade Product Control  
Division  
By *[Signature]*

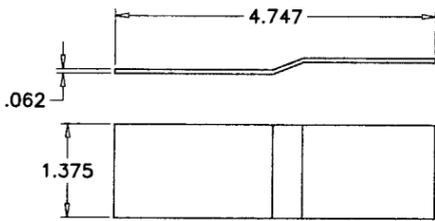
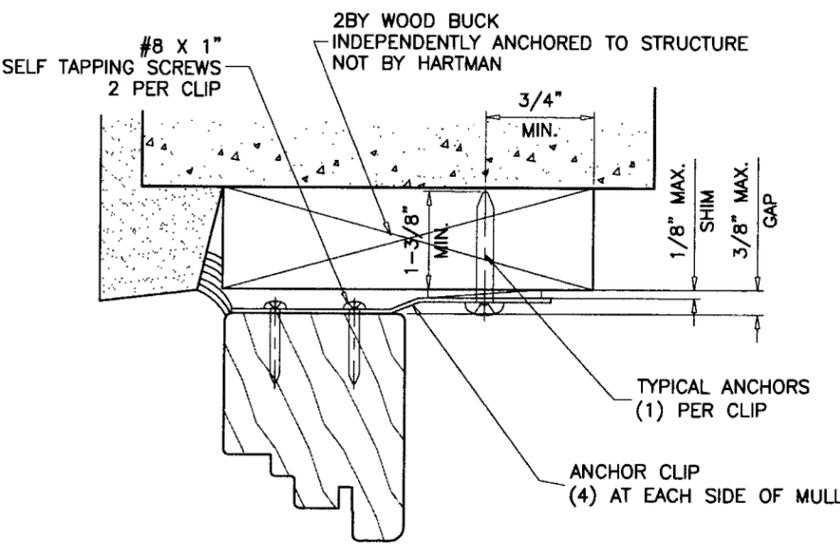
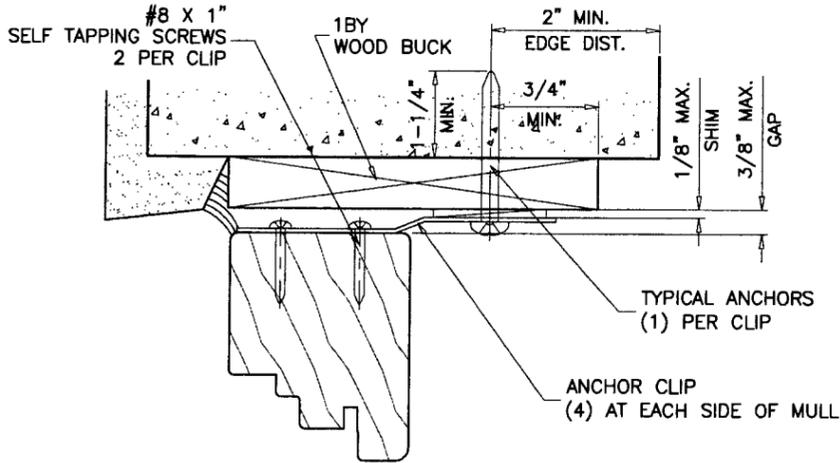
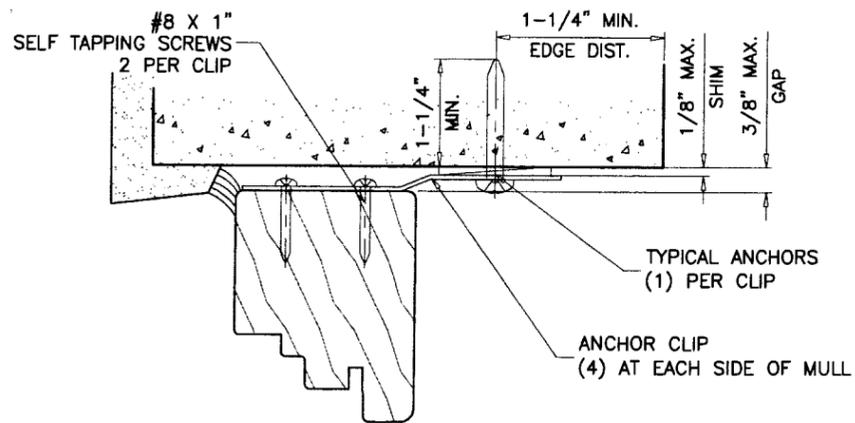
**afC**  
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\M07-01HWD

CLIPPED/UNCLIPPED WOOD & STEEL MULLION  
**HARTMAN WINDOWS & DOORS, LLC**  
531 SOUTHERN BLVD.  
WEST PALM BEACH, FL 33405  
TEL (561) 296-9600 FAX. (561) 296-9601

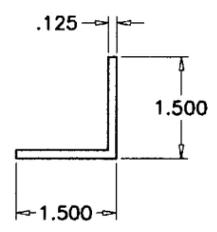
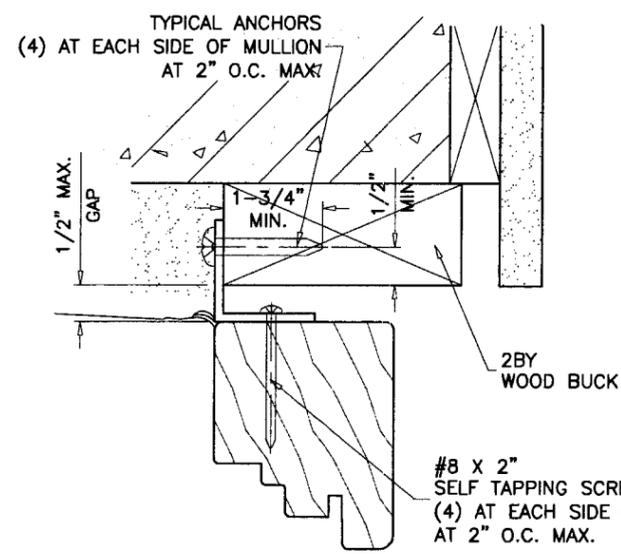
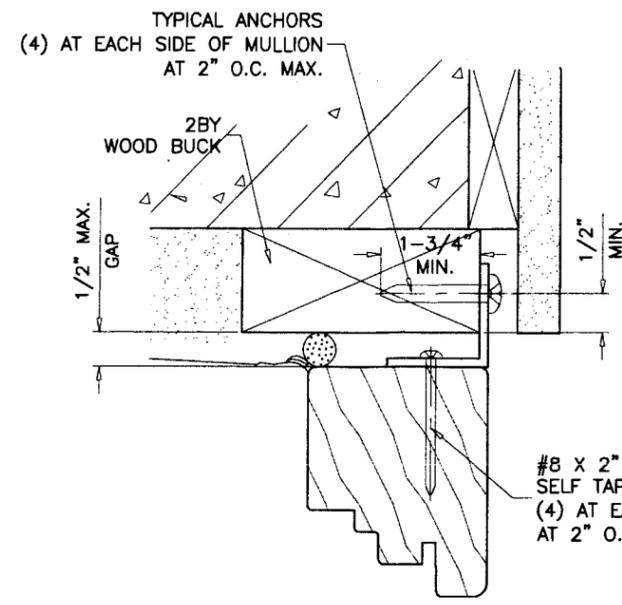
no	date	by	description
A	10.26.07		REV. PER BCCO COMMENTS

date: 05-08-07  
scale: 3/8" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**M07-01**  
sheet 4 of 7



STRAP CLIP  
GALV. STEEL



ALUMINUM ANGLE CONT.  
(6063-T5)

HEAD & SILL ANCHORS FOR MULLED WINDOWS & DOORS  
WITH MULLION CLIP

ANCHORS TYPE 'A'

ANCHORS THRU STRAP CLIPS & ALUM ANGLE

- #10 SMS
- INTO 2BY WOOD BUCKS OR WOOD STRUCTURE 1-1/2" MIN. PENETRATION INTO WOOD
- 3/16" DIA. TAPCONS
- INTO 2BY WOOD BUCKS OR WOOD STRUCTURE 1-3/8" MIN. PENETRATION INTO WOOD

THRU WOOD BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

ANCHOR EDGE DISTANCES

INTO CONCRETE AND MASONRY = 1-1/2" MIN. (UNLESS SPECIFIED)  
INTO WOOD STRUCTURE = 3/4" MIN. (UNLESS SPECIFIED)

ANCHORS CL TO CL DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN.  
INTO WOOD STRUCTURE = 3/4" MIN. (UNLESS SPECIFIED)

ALL OTHER ANCHORS NOT DESCRIBED HEREIN TO BE AS PER DOOR OR FIXED LITE NOA'S.

**af c**  
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\M07-01HWD

CLIPPED/UNCLIPPED WOOD & STEEL MULLION  
**HARTMAN WINDOWS & DOORS, LLC**  
531 SOUTHERN BLVD.  
WEST PALM BEACH, FL 33405  
TEL. (561) 296-9600 FAX. (561) 296-9601

revisions:	no	date	by	description
A	10.26.07			REV. PER BCCO COMMENTS

Engr: DR. HUMAYOON FAROOQ  
STRUCTURES  
FLA. PE # 16557  
C.A.N. 3538  
NOV 01 2007

Approved as complying with the  
Florida Building Code  
Date 12/27/2007  
NOA# 07-0978-02  
Miami Dade Product Control  
Division  
By *[Signature]*

date: 05-08-07  
scale: 3/8" = 1"  
dr. by: HAMID  
chk. by:  
drawing no.  
**M07-01**  
sheet 5 of 7

**HEAD & SILL ANCHORS FOR MULLED WINDOWS & DOORS  
WITH STEEL PLATE**

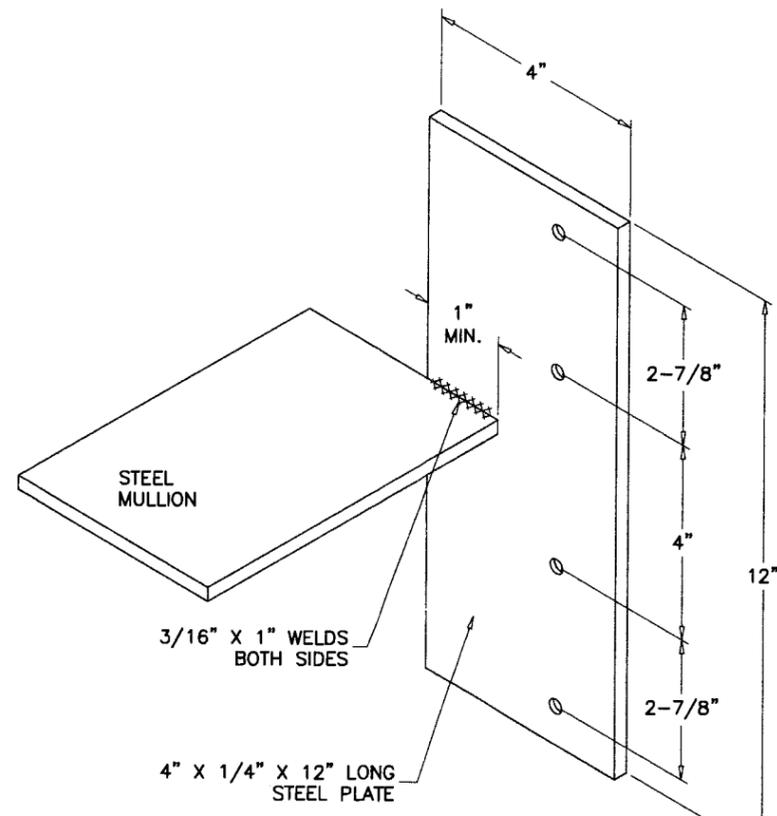
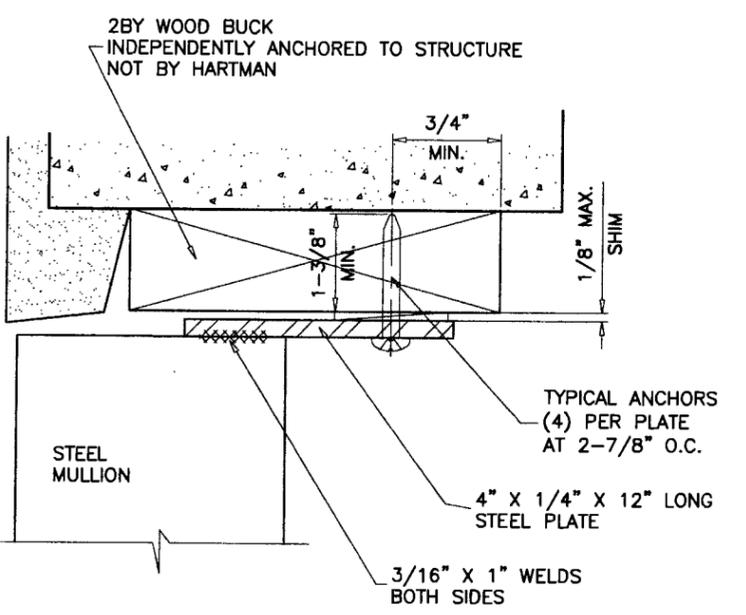
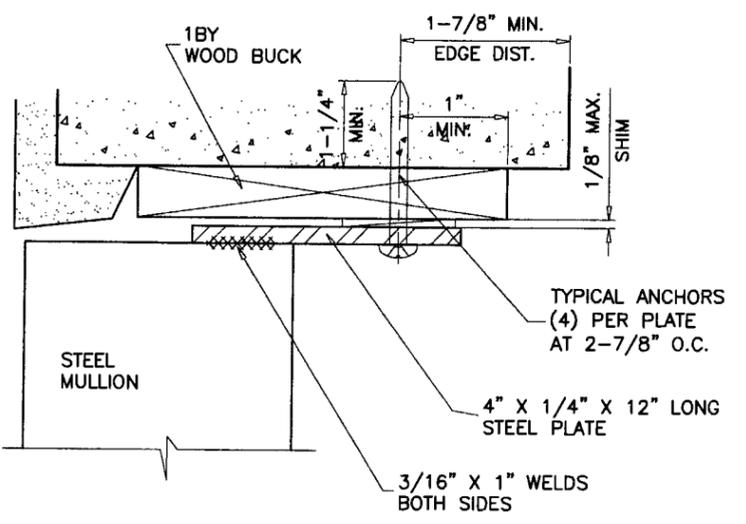
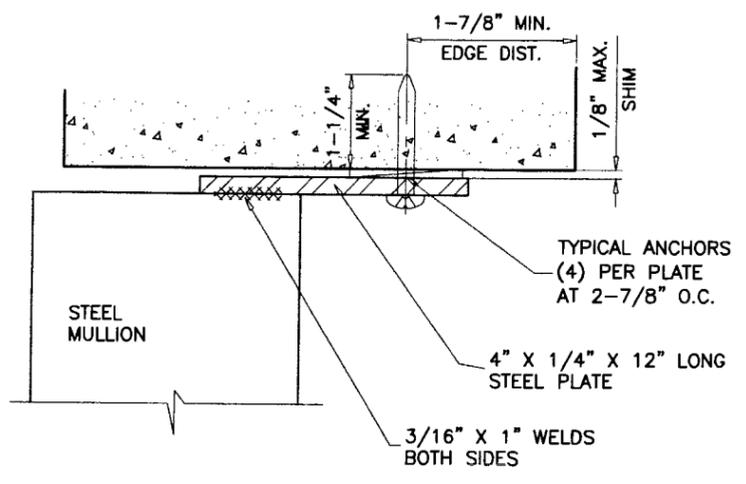
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\M07-01HWD

CLIPPED/UNCLIPPED WOOD & STEEL MULLION  
**HARTMAN WINDOWS & DOORS, LLC**  
531 SOUTHERN BLVD.  
WEST PALM BEACH, FL 33405  
TEL. (561) 296-9600 FAX. (561) 296-9601

no	date	description
A	10.26.07	REV. PER BCCO COMMENTS

date: 05-08-07	scale: 3/8" = 1"	dr. by: HAMID	chk. by:
----------------	------------------	---------------	----------

drawing no.  
**M07-01**  
sheet 6 of 7



STEEL PLATE MAY PROJECT TO OUTSIDE OR  
INSIDE OF DOOR FRAME.

**ANCHORS TYPE 'B'**

**ANCHORS THRU STEEL PLATE**

1/4" DIA. TAPCONS  
INTO 2BY WOOD BUCKS OR WOOD STRUCTURE  
1-3/8" MIN. PENETRATION INTO WOOD  
THRU WOOD BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY  
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

**ANCHOR EDGE DISTANCES**

INTO CONCRETE AND MASONRY = 1-7/8" MIN.  
INTO WOOD STRUCTURE = 1" MIN.

**ANCHORS CL TO CL DISTANCE**

INTO CONCRETE AND MASONRY = 2-7/8" MIN.  
INTO WOOD STRUCTURE = 1" MIN.

ALL OTHER ANCHORS NOT DESCRIBED HEREIN TO BE  
AS PER DOOR OR FIXED LITE NOA'S.

Engr: DR. HUMAYOON FAROOQ  
STRUCTURES  
FLA. PE # 16557  
C.A.N. 3538  
NOV 01 2007

Approved as complying with the  
Florida Building Code  
Date 12/27/2007  
NOA# 07-0918.02  
Miami Dade Product Control  
Division  
By *[Signature]*

**HEAD & SILL ANCHORS FOR MULLED WINDOWS & DOORS  
WITH STEEL PLATE**

**af c**  
**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 1235 S.W. 87 AVE  
 MIAMI, FLORIDA 33174  
 TEL. (305) 264-8100 FAX. (305) 262-6978  
 COMP-ANL\M07-01HWD

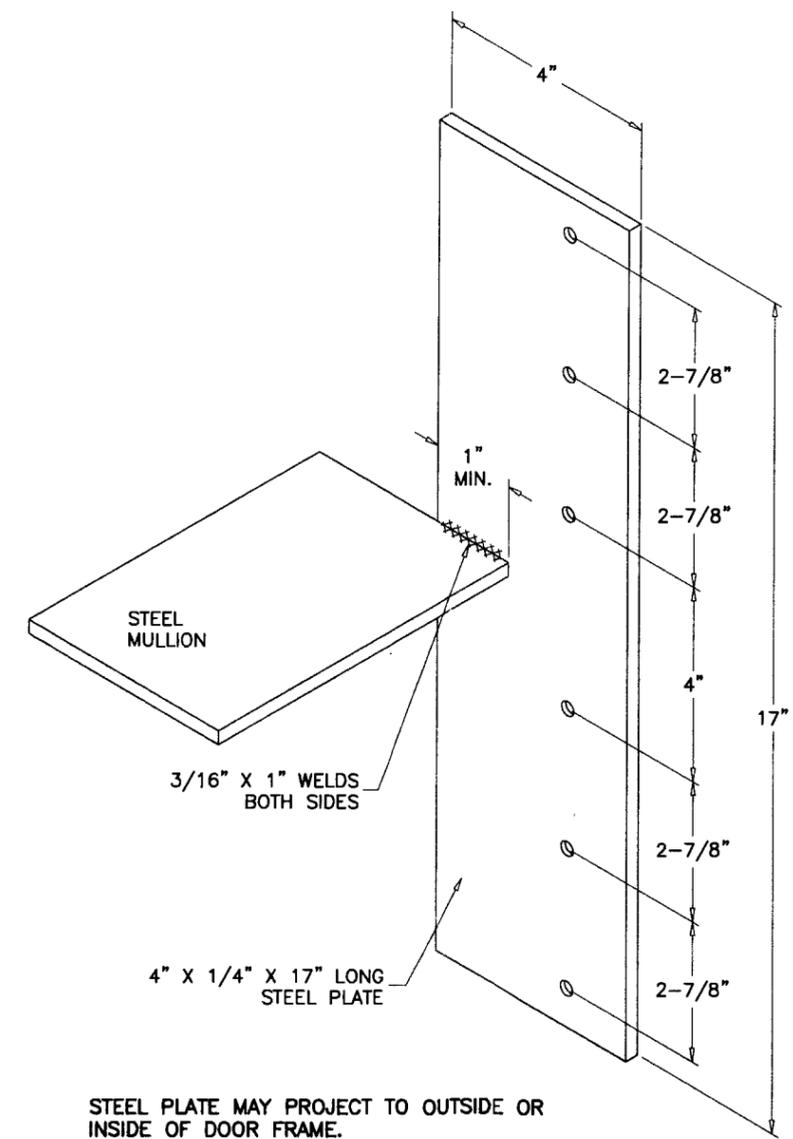
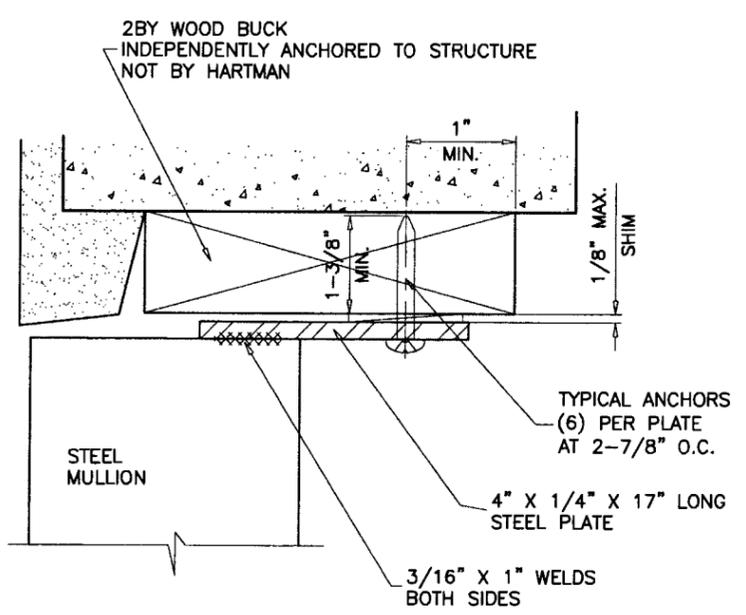
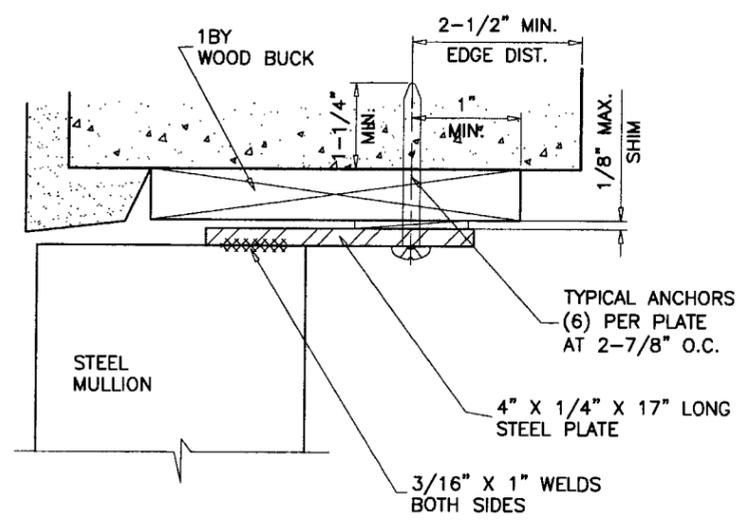
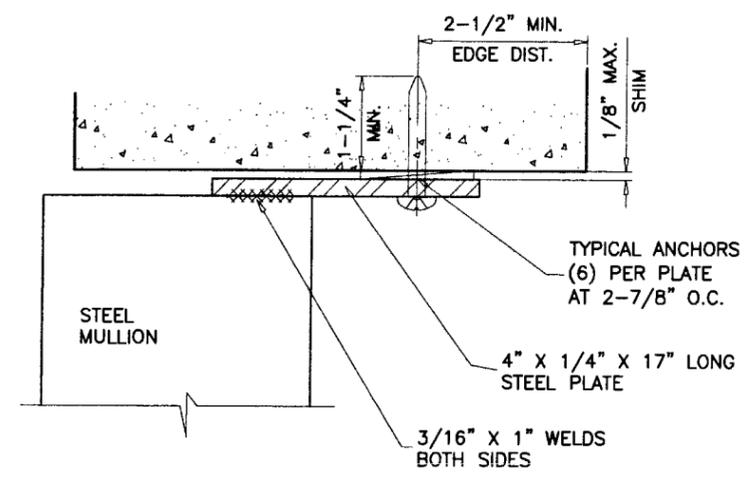
CLIPPED/UNCLIPPED WOOD & STEEL MULLION  
**HARTMAN WINDOWS & DOORS, LLC**  
 531 SOUTHERN BLVD.  
 WEST PALM BEACH, FL 33405  
 TEL. (561) 296-9600 FAX. (561) 296-9601

revisions:	no	date	by	description	REV. PER	RECO	COMMENTS
	A	10.26.07					

date: 05-08-07  
 scale: 3/8" = 1"  
 dr. by: HAMID  
 chk. by:

drawing no.  
**M07-01**

sheet 7 of 7



STEEL PLATE MAY PROJECT TO OUTSIDE OR INSIDE OF DOOR FRAME.

**ANCHORS TYPE 'C'**

**ANCHORS THRU STEEL PLATE**

1/4" DIA. TAPCONS  
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURE  
 1-3/8" MIN. PENETRATION INTO WOOD

THRU WOOD BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY  
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

**ANCHOR EDGE DISTANCES**

INTO CONCRETE AND MASONRY = 2-1/2" MIN.  
 INTO WOOD STRUCTURE = 1" MIN.

**ANCHORS CL TO CL DISTANCE**

INTO CONCRETE AND MASONRY = 2-7/8" MIN.  
 INTO WOOD STRUCTURE = 1" MIN.

ALL OTHER ANCHORS NOT DESCRIBED HEREIN TO BE AS PER DOOR OR FIXED LITE NOA'S.

Engr: DR. HUMAYOON FAROOQ  
 STRUCTURES  
 FLA. PE # 16557  
 C.A.N. 3538  
 NOV 01 2007

Approved as complying with the Florida Building Code  
 12/27/2007  
 NOA# 07-0918.02  
 Miami Dade Product Control Division  
 By: *[Signature]*