



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

**Hartman Windows & Doors, LLC**

531 Southern Blvd.

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 and accepted by Miami-Dade County RER -Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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" in-folding Wood Doors

**APPROVAL DOCUMENT:** Drawing No W12-61 Rev B, titled "European" Wood Inswing Bi-Fold Doors" Sheets 1, 1.1, 1.2, 2, 3, 4, 5, 5.1 and 6 of 6, dated 11-30-12 and last revised on NOV 07, 2013, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, 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 Section.

### MISSILE IMPACT RATING: Large and Small Impact

#### Limitations:

1. See Design Pressure and elevations in sheets 1, 1.1 & 1.2 and mounting details in sheets 2 thru 4. Door is not rated for water resistance. Also see locking points requirements in sheet 5.1.
2. Continuous Angle mount for doors at Head /Jambs is limited to wood substrates.

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", 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, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.



NOA No. 13-0207.05  
Expiration Date: November 14, 2018  
Approval Date: November 14, 2013  
Page 1

11/7/13

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No **W12-61 Rev B**, titled "European" Wood Inswing Bi-Fold Doors" Sheets 1 , 1.1, 1.2, 2, 3, 4, 5, 5.1 and 6 of 6, dated 11-30-12 and last revised on NOV 07, 2013, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, 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 (Not conducted)  
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 installation diagram of In folding/ Out folding Wood doors marked-up by Fenestration Testing Lab, Inc., Test Report No. **FTL-6415 (10080)** dated 09/21/2012 and last revised on 07/25/13, signed & sealed by Jorge A. Naya, Jr. P.E.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2010, prepared by Al Farooq Corporation, dated 01/31/13, 10/28/13 and last revised on NOV 07, 2013, signed and sealed by Javad Ahmad, P.E.

**D. QUALITY ASSURANCE**

1. Miami Dade Department of Regulatory and Economic Resources (RER).

**E. MATERIAL CERTIFICATIONS**

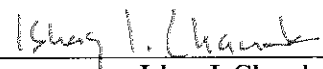
1. Notice of Acceptance No. **12-1231.10** issued to Eastman Chemical Company, (Former Solutia Inc.) for "Saflex color & clear interlayer", expiring on 05/21/16.

**F. STATEMENTS**

1. Statement letter of conformance to FBC 2010, prepared by Al Farooq Corporation, dated 12/28/12, signed and sealed by Javad Ahmad, P.E.
2. Lab compliance statement, as part of the above referenced test report.
3. Addendum letter dated July 25, 2013, issued by FTL, signed by Ms. Iliana Sanchez.

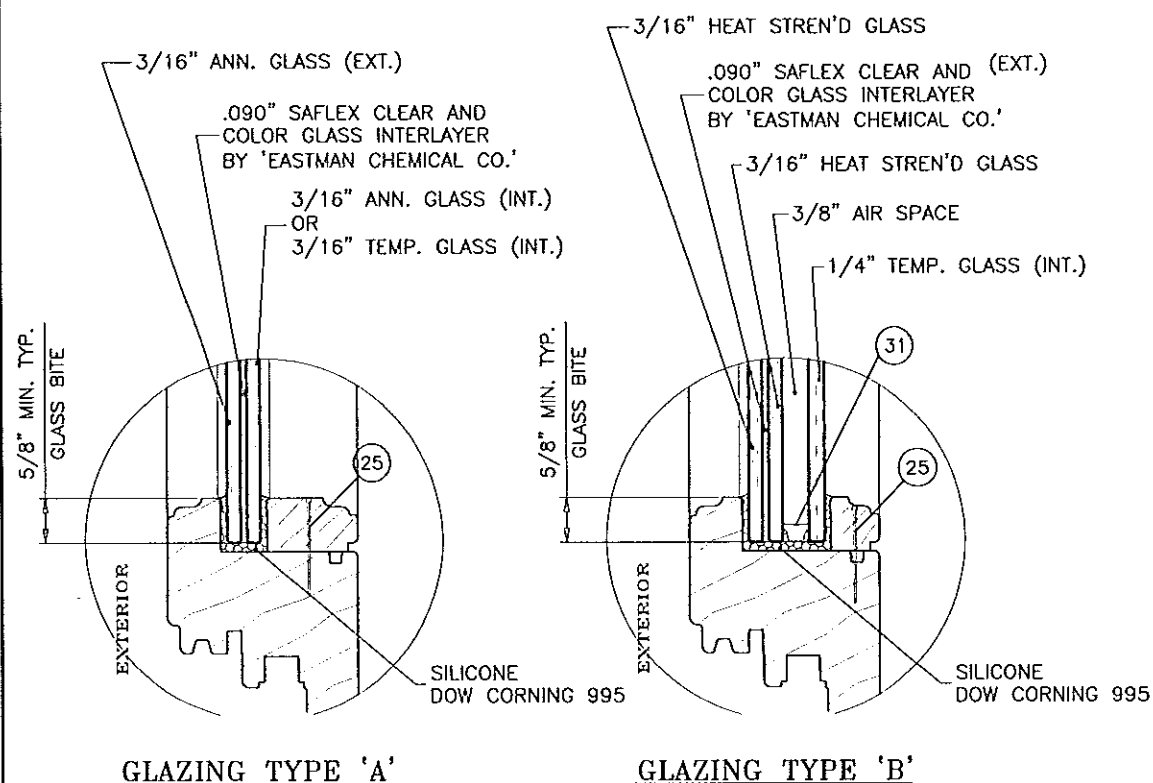
**G. OTHER**

1. Test proposal dated 11/02/10 approved by BNC and RER e-mail dated 09/26/14.
2. Conditional approval subjected to near future 6-panels configured folding doors test.



Ishaq I. Chanda, P.E.  
Product Control Examiner  
NOA No. 13-0207.05

Expiration Date: November 14, 2018  
Approval Date: November 14, 2013



### GLAZING OPTIONS

THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

### EUROPEAN WOOD INSWING BI-FOLD GLASS DOOR

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

1BY OR 2BY WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE AND TO BE REVIEWED BY BLDG. OFFICIAL.

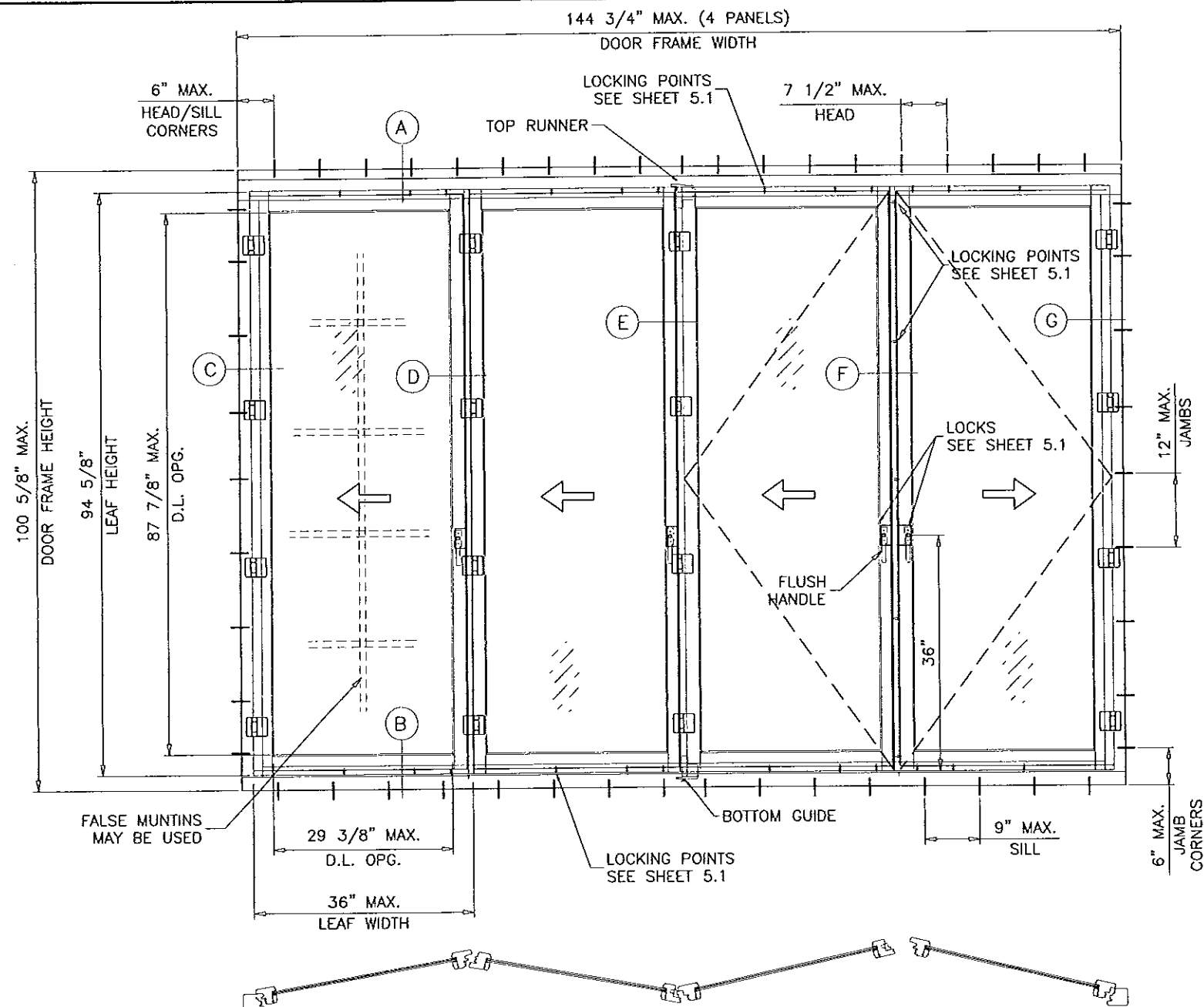
ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE 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 THE FLORIDA BLDG. CODE SECTION 2003.8.4.

DOORS NOT APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.



TYPICAL ELEVATION  
DIRECT MOUNT SHOWN  
SEE SHEETS 1.1, 1.2 AND 4 FOR OTHER MOUNTS

### PANEL SIZE:

LEAF WIDTH = (DOOR FRAME WIDTH - 0.75")/4  
LEAF HEIGHT = DOOR FRAME HEIGHT - 6.375"

### DAYLITE OPENINGS:

DLO WIDTH = LEAF WIDTH - 6.750"  
DLO HEIGHT = LEAF HEIGHT - 6.125"

### DOOR CAN BE INSTALLED WITH ANY OF THE FOLLOWING OPTIONS

- OPTION #1: BY USING FASTENERS THRU DOOR FRAME INTO STRUCTURE  
SEE ELEV. ABOVE FOR SPACING AND SHEETS 2 & 3 FOR DETAILS.
- OPTION #2: BY USING FASTENERS THRU CONT. ALUMINUM ANGLE  
SEE ELEV. ON SHEET 1.1 FOR SPACING AND SHEET 4 FOR DETAILS.
- OPTION #3: BY USING FASTENERS THRU STRAP CLIPS  
SEE ELEV. ON SHEET 1.2 FOR SPACING AND SHEET 4 FOR DETAILS.

FOUR PANEL DOOR CONFIGURATION WITH FOLDING AND SWING PANELS SHOWN. DOOR MAY HAVE ANY NUMBER OF PANELS PROVIDED STILE COMBINATIONS SHOWN IN THIS DRAWING ARE USED.

Approved by *[Signature]* with *[Signature]*  
Florida Building Code  
Date: Nov 14, 2013  
NOA# 13-6267-05  
Miami Dade Product Control

By *[Signature]*

MAXIMUM DESIGN LOAD RATING = + 80.0 PSF  
(FOR LEAF SIZE SHOWN OR SMALLER)  
- 80.0 PSF  
AS PERMITTED BY FBC REQUIREMENTS

Engr: JAVAD AHMAD  
CIVIL  
FLA. PE # 70592  
C.A.N. 3538

*[Signature]*  
NOV 27 2013

**afC**

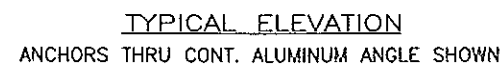
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL (305) 264-8100 FAX (305) 262-6978  
COMP-ANL\W12-61HWD

EUROPEAN WOOD INSWING BI-FOLD DOOR (L.M.L.)  
**HARTMAN WINDOWS & DOORS, LLC**  
531 SOUTHERN BLVD.  
WEST PALM BEACH, FL 33405  
TEL (561) 296-9600 FAX (561) 296-9601

no.	date	description
A	4.25.13	REV. PER RER COMMENTS
B	9.23.13	REV. PER RER COMMENTS

date: 11-30-12  
scale: 1/2"=1'-0"  
dr. by: HAMID  
chk. by:

drawing no.  
**W12-61**  
sheet 1 of 6



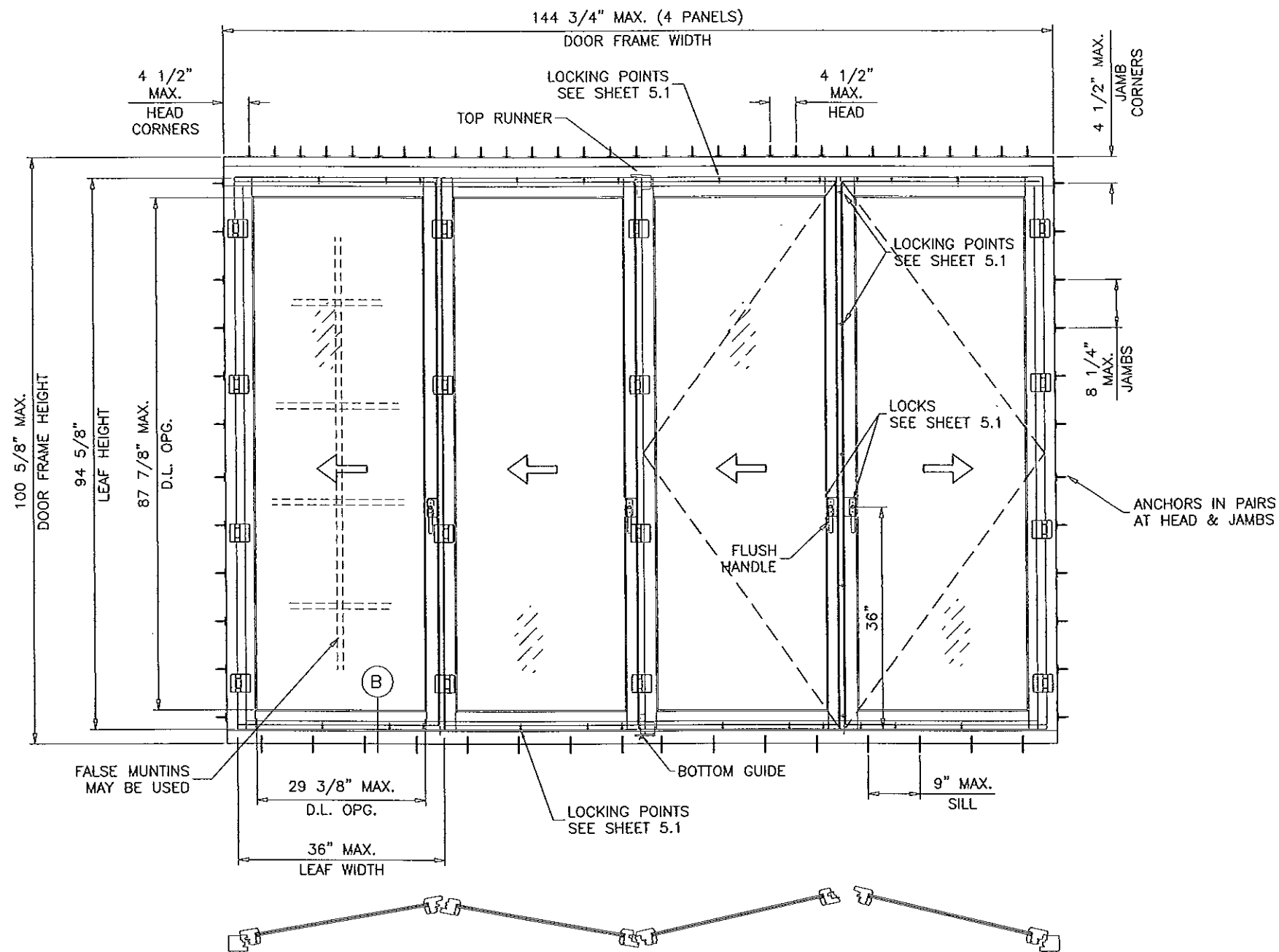
MAXIMUM DESIGN LOAD RATING = + 80.0 PSF  
(FOR LEAF SIZE SHOWN OR SMALLER) - 80.0 PSF  
AS PERMITTED BY FBC REQUIREMENTS

Engr: JAVAD AHMAD  
CIVIL  
FLA. PE # 70592  
C.A.N. 3638

NOV 17 2013

EUROPEAN WOOD INSWING BI-FOLD DOOR (L.M.I.)  
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drawing no.		revisions:	
W12-61		no	by
sheet 1.1 of 6		B	REV. PER RER COMMENTS
date: 11-30-12			
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dr. by: HAMID			
chk. by:			



TYPICAL ELEVATION  
ANCHORS THRU STRAP CLIPS SHOWN

Approved as complying with the  
Florida Building Code  
Date 11/14/13  
NOA# 13-0707-05  
Miami Dade Product Control  
By *[Signature]*

MAXIMUM DESIGN LOAD RATING = + 80.0 PSF  
(FOR LEAF SIZE SHOWN OR SMALLER) - 80.0 PSF  
AS PERMITTED BY FBC REQUIREMENTS

Engr: JAVAD AHMAD  
CML  
FLA. PE # 70592  
C.A.N. 3538  
*[Signature]* 2013

**AL-FAROOQ CORPORATION**  
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COMP-ANL W12-61HWD

**afc**

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NOA# 13-0707-05

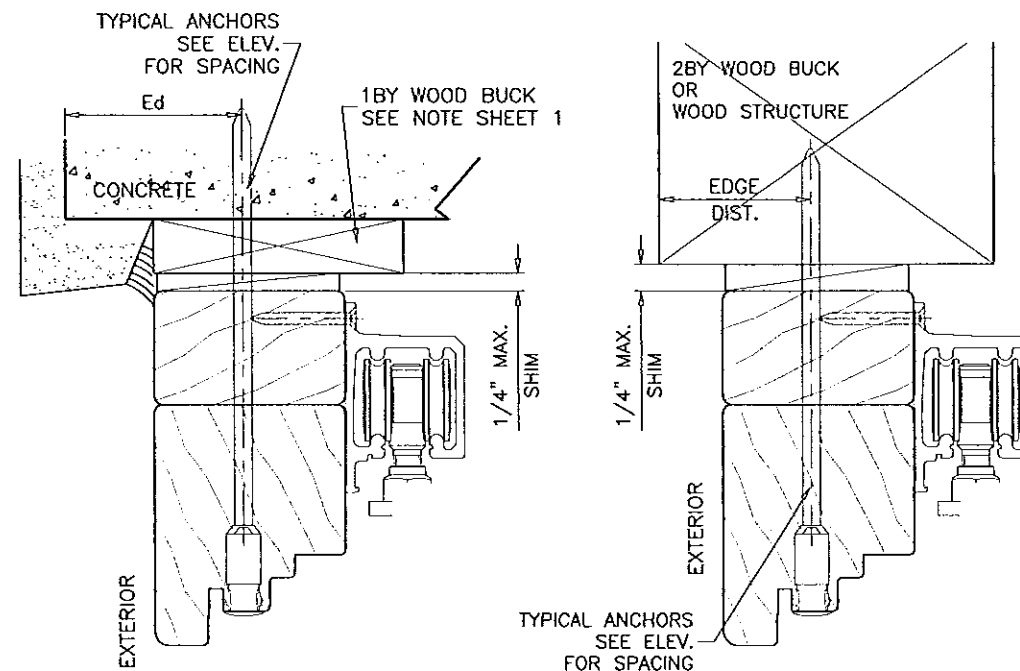
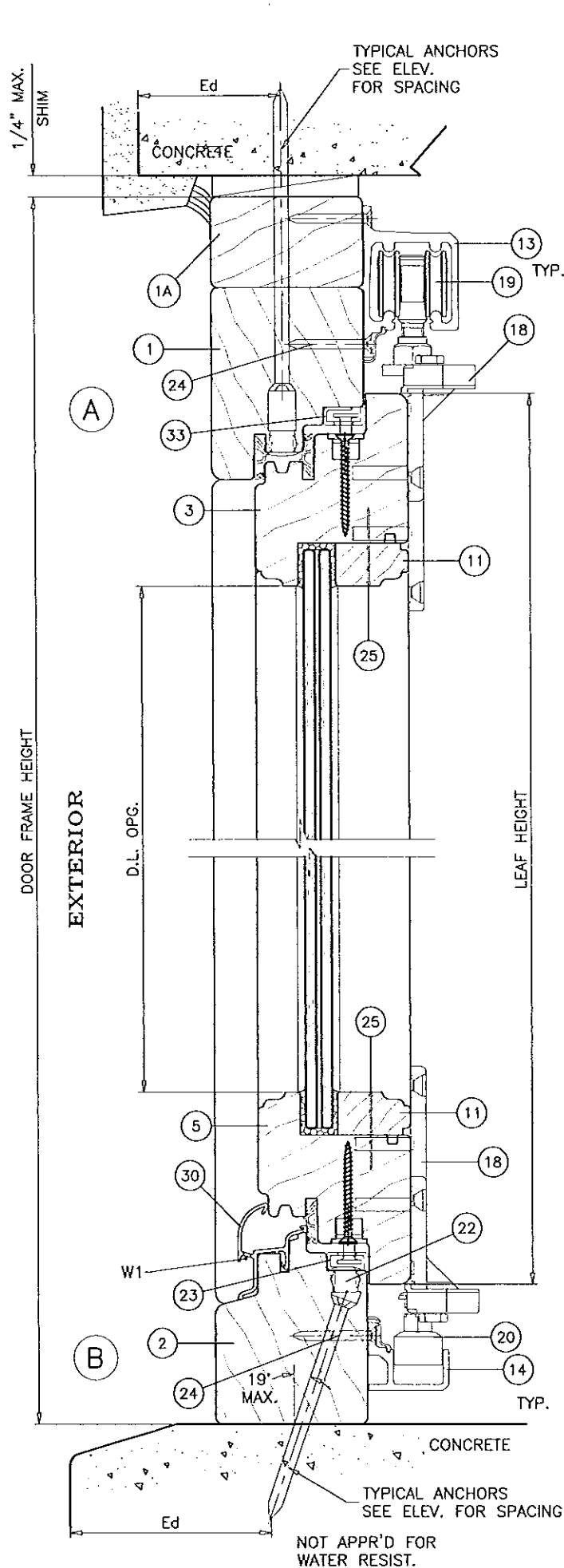
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dr. by: HAMID  
chk. by:

drawing no.  
**W12-61**  
sheet 1.2 of 6



WOOD BUCKS NOT BY HARTMAN WINDOWS, MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

**TYPICAL ANCHORS:** SEE ELEV. FOR SPACING

**ANCHORS THRU DOOR FRAME**

**1/4\" DIA. ULTRACON BY 'ELCO'** ( $F_u=177$  KSI,  $F_y=155$  KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES

1-1/2\" MIN. PENETRATION INTO WOOD

THRU 1BY BUCKS INTO CONC. OR MASONRY

1-1/4\" MIN. EMBED INTO CONCRETE (HEAD/SILL)

1-1/4\" MIN. EMBED INTO CONC. OR MASONRY (JAMBS)

DIRECTLY INTO CONC. OR MASONRY

1-1/4\" MIN. EMBED INTO CONCRETE (HEAD/SILL)

1-1/4\" MIN. EMBED INTO CONC. OR MASONRY (JAMBS)

**#14 SELF DRILLING SCREWS** (GRADE 5 CRS)

INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = 1/8\")

INTO METAL STRUCTURES

STEEL : 12 GA. MIN. ( $F_y = 36$  KSI MIN.)

ALUMINUM : 1/8\" THK. MIN. (6063-T5 MIN.)

(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

**TYPICAL EDGE DISTANCE**

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

INTO WOOD STRUCTURE = 1\" MIN.

INTO METAL STRUCTURE = 3/4\" MIN.

**ANCHORS CL TO CL DISTANCE**

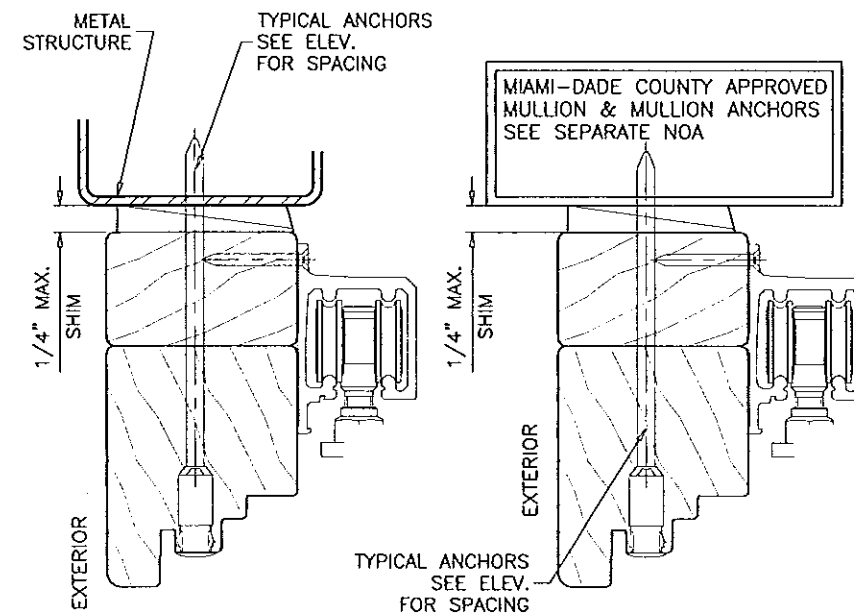
INTO CONCRETE AND MASONRY = 2\" MIN.

INTO WOOD STRUCTURE = 3/4\" MIN. (UNLESS SPECIFIED)

CONCRETE AT HEAD, SILL OR JAMBS  $f'_c = 3000$  PSI MIN.

C-90 HOLLOW/FILLED BLOCK AT JAMBS  $f'_m = 2000$  PSI MIN.

STRAP CLIP AND CONT. ALUM ANGLE INSTALLATION OPTIONS. SEE SHEET 4 FOR DETAILS.



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Miami Dade Product Control  
By: [Signature]

**WEEPHOLES:**

W1 = 1/8\" X 1\" WEEP SLOTS AT 8\" O.C. MAX.

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FLA. PE # 70592  
C.A.N. 3538  
NOV 8 2013

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COMP-AN\W12-61HWD

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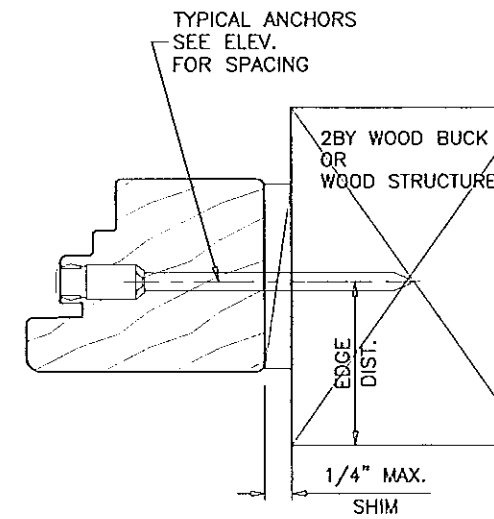
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chk. by:

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B 9.23.13 REV. PER PER COMMENTS

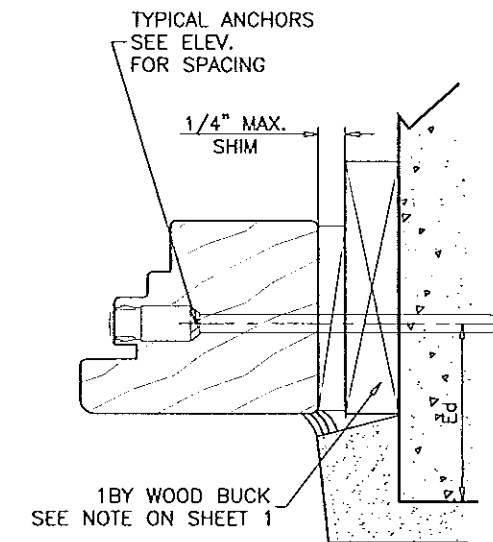
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**W12-61**  
sheet 2 of 6

FOR DOOR FRAME INSTALLATION WITH CONT. ALUM ANGLE OR STRAP CLIPS, SEE ELEV. ON SHEET 1.1 & 1.2 FOR SPACING AND SHEET 4 FOR DETAILS.

DIRECT MOUNT OPTION SHOWN

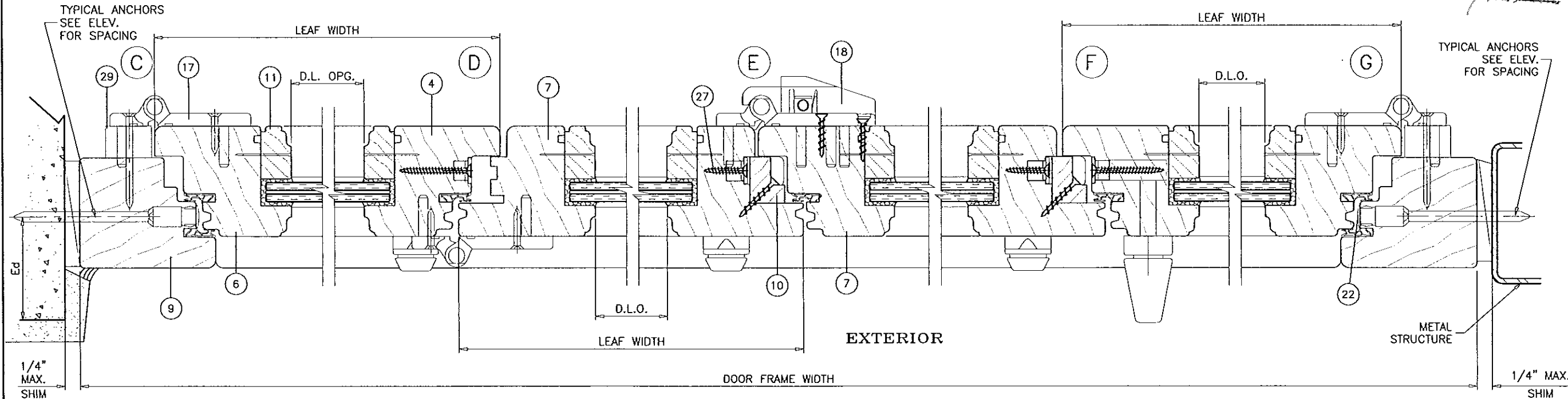


EXTERIOR



EXTERIOR

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Date 11/14/13  
NOA# 13-0307-05  
Miami Dade Product Control  
By [Signature]



Engr: JAVAD AHMAD  
CIVIL  
FLA. PE # 70592  
C.A.N. 3538

NOV 2013

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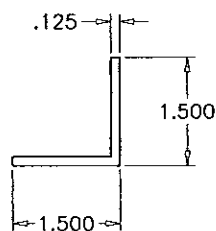
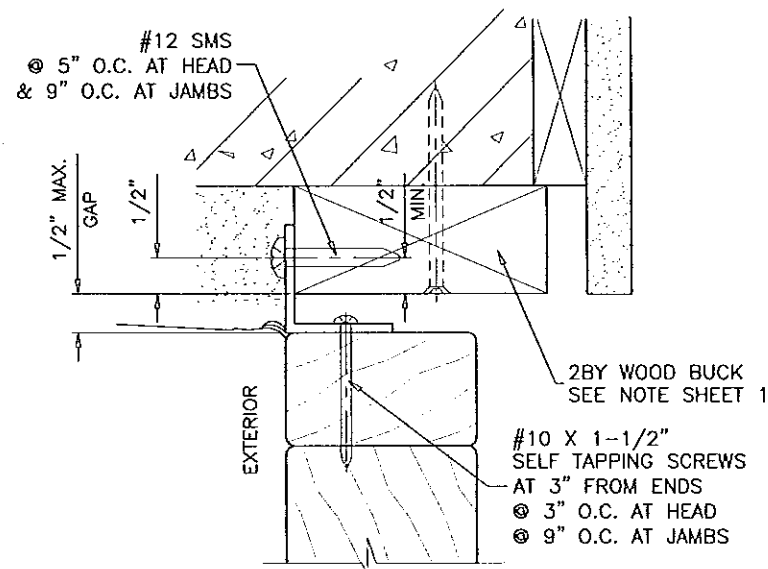
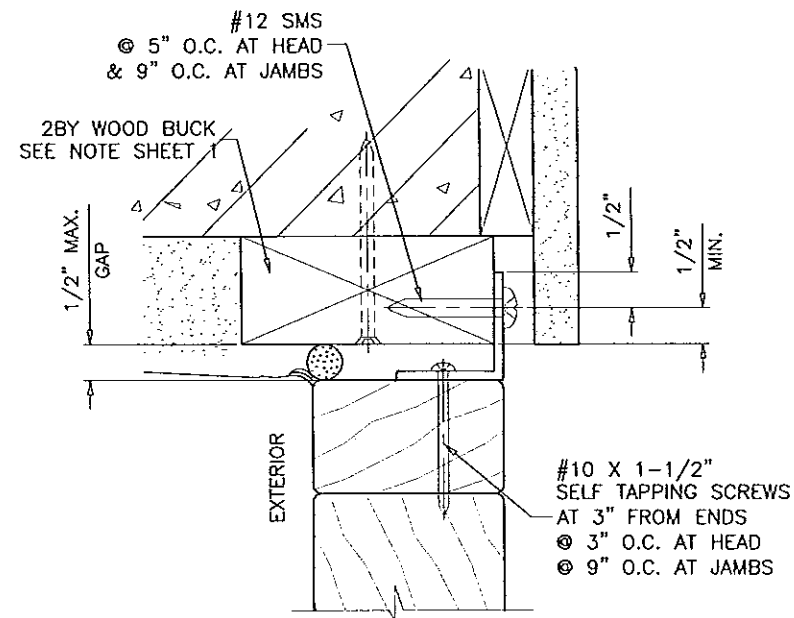
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revisions:	no	date	by	description
	A	4.25.13		REV. PER COMMENTS
	B	9.23.13		NO CHANGE THIS SHEET

date:	11-30-12
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chk. by:	

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**W12-61**

sheet 3 of 6



ALUMINUM ANGLE CONT.  
(6063-T5)

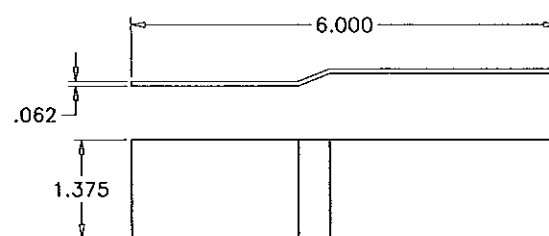
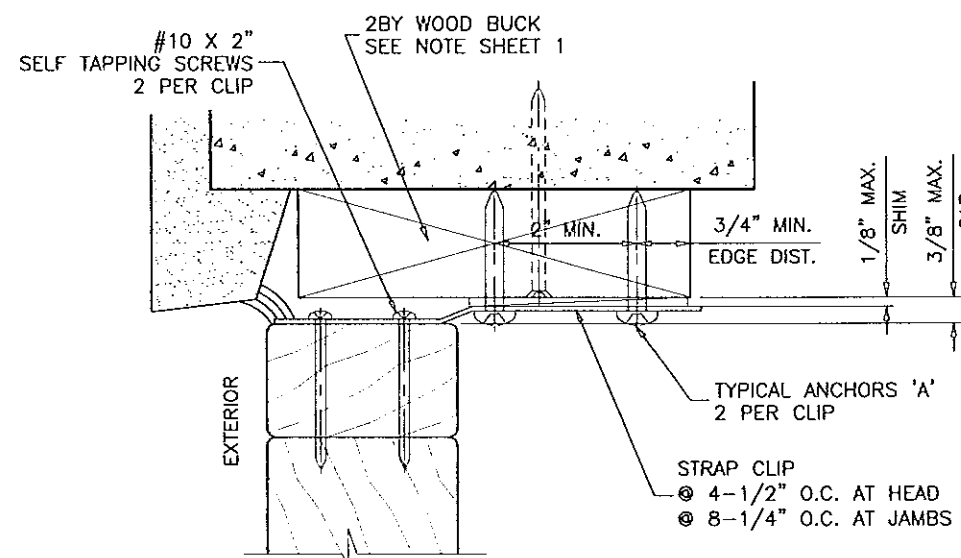
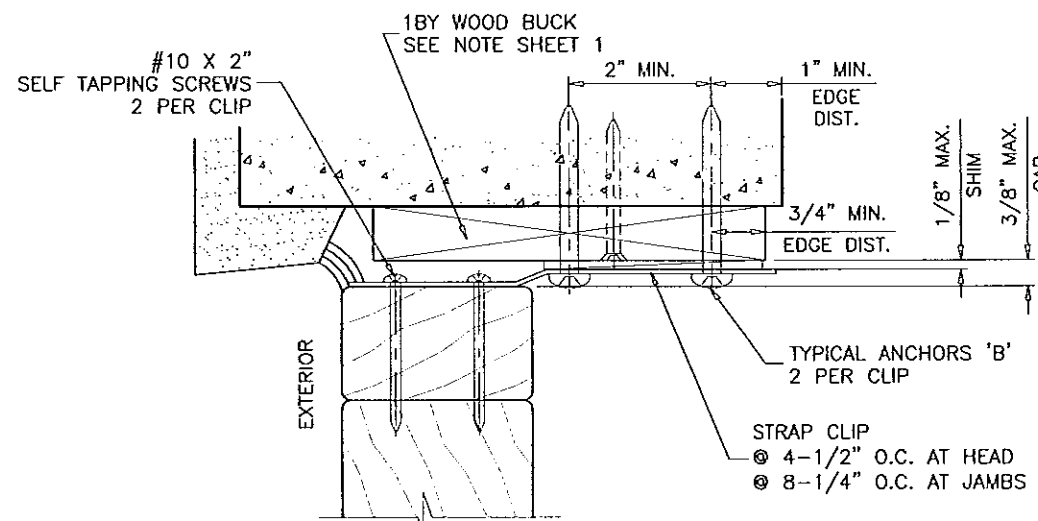
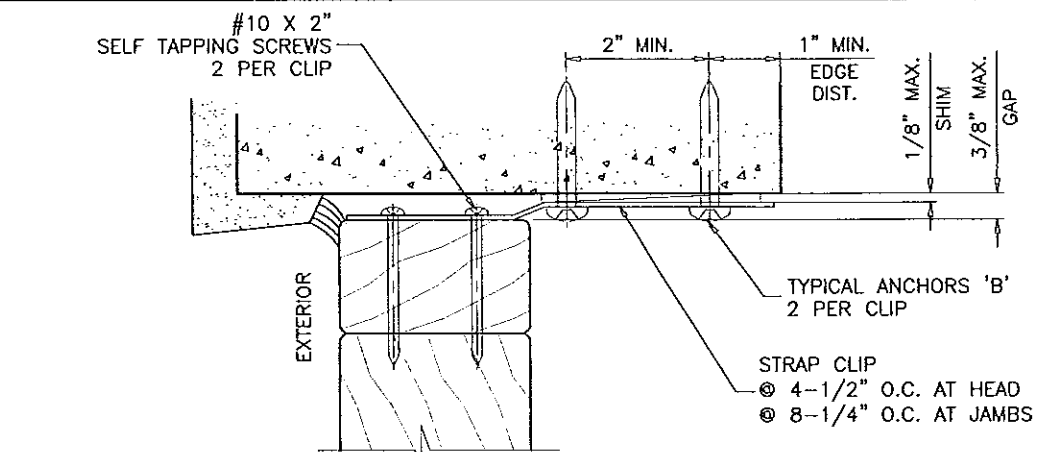
### TYPICAL ANCHORS

#### ANCHORS THRU ALUMINUM ANGLE @ HEAD/JAMBS

##### #12 SMS

INTO 2BY WOOD BUCKS OR WOOD STRUCTURE  
1-1/2" MIN. PENETRATION INTO WOOD

FOR SILL ANCHORS INTO CONC. SEE DETAIL 'B' ON SHEET 2



STRAP CLIP  
Fy = 36 KSI  
Fu = 58 KSI  
Fes = 73.7 KSI

Approved as complying with  
Florida Building Code  
Date 11/14/13  
NOA# 13-0207-05  
Miami Dade Product Control  
By: [Signature]

### TYPICAL ANCHORS

#### ANCHORS THRU STRAP CLIPS @ HEAD/JAMBS

##### A: #10 SMS

INTO 2BY WOOD BUCKS OR WOOD STRUCTURE  
1-1/2" MIN. PENETRATION INTO WOOD

##### B: 3/16" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)

THRU 1BY BUCKS INTO CONC. OR MASONRY  
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL)  
1-1/4" MIN. EMBED INTO CONC. OR MASONRY (JAMBS)

DIRECTLY INTO CONC. OR MASONRY  
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL)  
1-1/4" MIN. EMBED INTO CONC. OR MASONRY (JAMBS)

#### TYPICAL EDGE DISTANCE

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

CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.  
C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

FOR SILL ANCHORS INTO CONC. SEE DETAIL 'B' ON SHEET 2

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NOV 07 2013

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NO	DATE	BY	DESCRIPTION
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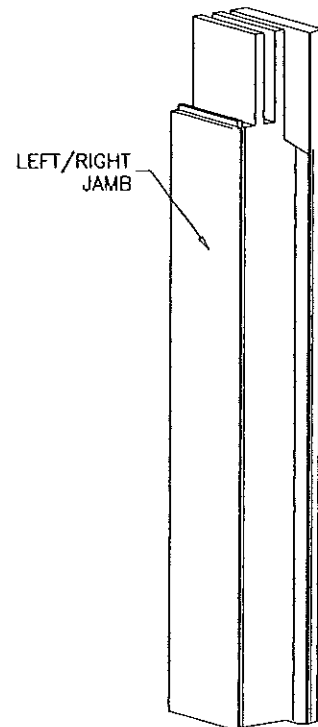
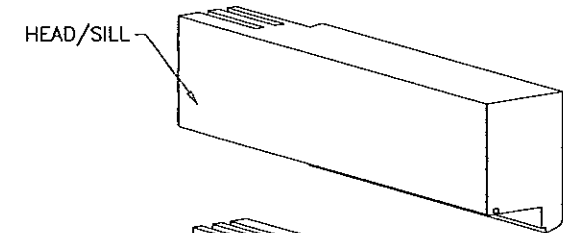
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drawing no.

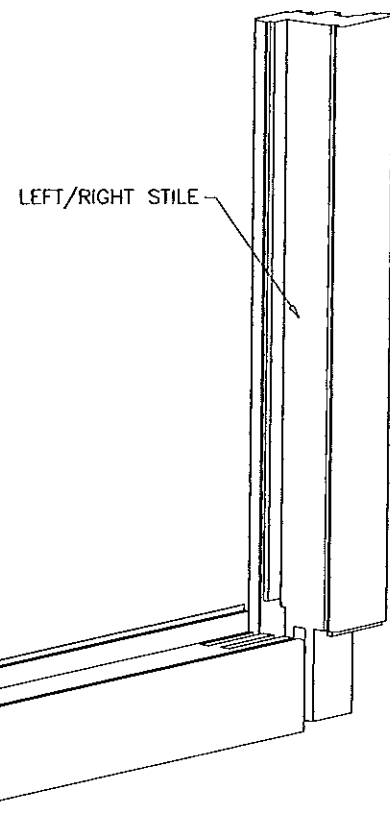
W12-61

sheet 4 of 6





JAMB TOP/BOTTOM CORNER



TOP/BOTTOM RAIL

MULTI-FORK MORTISE AND TENON JOINERY  
SECURED  
WITH NATIONAL CASEINE OR TITE BOND II  
WATERPROOF GLUE

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	--	1/ DOOR	FRAME HEAD	WOOD	MAHOGANY
1A	--	1/ DOOR	ALT. FRAME HEAD	WOOD	MAHOGANY
2	--	1/ DOOR	FRAME SILL (NON-WATER RATED)	WOOD	MAHOGANY
3	--	1/ PANEL	TOP RAIL	WOOD	MAHOGANY
4	--	1/ PANEL	STILE W/ LOCK	WOOD	MAHOGANY
5	--	1/ PANEL	BOTTOM RAIL	WOOD	MAHOGANY
6	--	1/ PANEL	STILE	WOOD	MAHOGANY
7	--	1/ PANEL	INACTIVE STILE W/ LOCK	WOOD	MAHOGANY
8	--	1/ PANEL	INACTIVE STILE	WOOD	MAHOGANY
9	--	1/ DOOR	FRAME JAMB (SIDE)	WOOD	MAHOGANY
10	--	1/ PANEL	LOCK COVER	WOOD	MAHOGANY
11	--	AS REQD.	GLASS STOP (LAM GLASS)	WOOD	MAHOGANY
12	--	AS REQD.	GLASS STOP (LAM INSUL GLASS)	WOOD	MAHOGANY
13	--	1	EXTRUDED RUNNING RAIL	ALUMINUM	
14	--	1	EXTRUDED GUIDING RAIL	ALUMINUM	
15	--	AS REQD.	FASTENER	ALUMINUM	1/2" X 1/2" X 1/8" ANGLE
16	--	AS REQD.	FASTENER	GALVANIZED	3/8" X 5' STRAP
17	--	AS REQD.	ADJUSTABLE HINGE	--	--
18	--	AS REQD.	CORNER BEARING	--	--
19	--	AS REQD.	ROLLER	--	--
20	--	AS REQD.	GUIDE ROLLER	--	--
21	9-24571	AS REQD.	EPDM GASKET	VINLY	GU-OLIMPIA-AGB
22	--	AS REQD.	SCREW CAP	--	--
23	--	AS REQD.	UNIVERSAL KEEPER	--	--
24	--	AS REQD.	#8 X 1-1/2" SCREW	--	6" FROM END & 8" O.C.
25	--	AS REQD.	18 GA. X 1-1/2" BRAD NAILS	--	3" FROM END & 8" O.C.
26	--	AS REQD.	#8 X 2-1/4" SCREWS	--	2" FROM ENDS & 12" O.C.
27	--	AS REQD.	#8 X 1-1/4" SCREWS	--	6" FROM ENDS & 8" O.C.
28	V992	AS REQD.	NORTON NORSEAL TAPE	--	TOTAL PLASTICS
29	--	AS REQD.	SPACER, 1" X 5/8" X 3" LONG	NYLON	--
30	--	1	EXTRUDED DRAIN CHANNEL	ALUMINUM	--
31	--	AS REQD.	SPACER	ST. STEEL	CARDINAL IG

TYPICAL WOOD - AFRICAN MAHOGANY

SPECIFIC GRAVITY = 0.45 MIN.  
MODULUS OF ELASTICITY E = 1,340,000 PSI

Approved as complying with the  
Florida Building Code  
Date 11/14/13  
NOA# 13-0207-05  
Miami Dade Product Control  
By 13497 L. G. G. G.

Bi-FOLD HARDWARE:

HINGES: TYPE 1 BY 'G.U.' TYPE 2 BY 'SIEGENIA'.

SURFACE MOUNT METALLIC KNUCKLE HINGES AT FRAME JAMBS  
12-1/4", 31-1/4", 69-1/4" AND 88-1/4" FROM BOTTOM  
FASTENED TO  
FRAME WITH (3) #10 X 3" FH WOOD SCREWS  
LEAF WITH (6) #10 X 1-3/4" FH SMS

HINGES AT CENTER LEAF 10", 29", 67" AND 86" FROM BOTTOM  
FASTENED WITH (8) #10 X 1-3/4" FH SMS

Engr: JAVAD AHMAD  
CIVIL  
FLA. PE # 70592  
C.A.N. 3538

NOV 8 2013

**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\W12-61HWD

EUROPEAN WOOD INSWING BI-FOLD DOOR (L.M.I.)  
**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	4.25.13		REV. PER RER COMMENTS
	B	9.23.13		REV. PER RER COMMENTS
date:	11-30-12			
scale:	3/8" = 1"			
dr. by:	HAMID			
chk. by:				
drawing no.	W12-61			
sheet	5 of 6			

### Bi-FOLD HARDWARE:

**LOCKS:** TYPE 1 BY 'G.U.' TYPE 2 BY 'KFV'.

#### SWINGING LEAF:

FLUSH MOUNT METALLIC MULTI POINT LOCK SYSTEM WITH  
LEVER TYPE ACTIVATING HANDLE ON INTERIOR OF MTG. STILE  
AT 36" FROM BOTTOM.

FASTENED WITH (20) #8 X 1-1/2" FH SMS  
ENGAGING SIMULTANEOUSLY

(3) LOCKING POINTS AT HEAD

(3) LOCKING POINTS AT SILL

(5) LOCKING POINTS AT MTG. STILE.

#### SWINGING & FOLDING LEAF:

FLUSH MOUNT METALLIC MULTI POINT LOCK SYSTEM WITH  
FLUSH TYPE ACTIVATING HANDLE ON INTERIOR OF MTG. STILE  
AT 36" FROM BOTTOM.

FASTENED WITH (20) #8 X 1-1/2" FH SMS  
ENGAGING SIMULTANEOUSLY

(3) LOCKING POINTS AT HEAD

(3) LOCKING POINTS AT SILL

SURFACE MOUNT METALLIC KEEPERS FACING LOCKING  
POINTS AT MTG. STILE

EACH KEEPER FASTENED WITH  
(2) #8 X 3/4" FH SMS

#### FOLDING LEAF:

FLUSH MOUNT METALLIC MULTI POINT LOCK SYSTEM WITH  
FLUSH TYPE ACTIVATING HANDLE ON INTERIOR OF MTG. STILE  
AT 36" FROM BOTTOM.

FASTENED WITH (20) #8 X 1-1/2" FH SMS  
ENGAGING SIMULTANEOUSLY

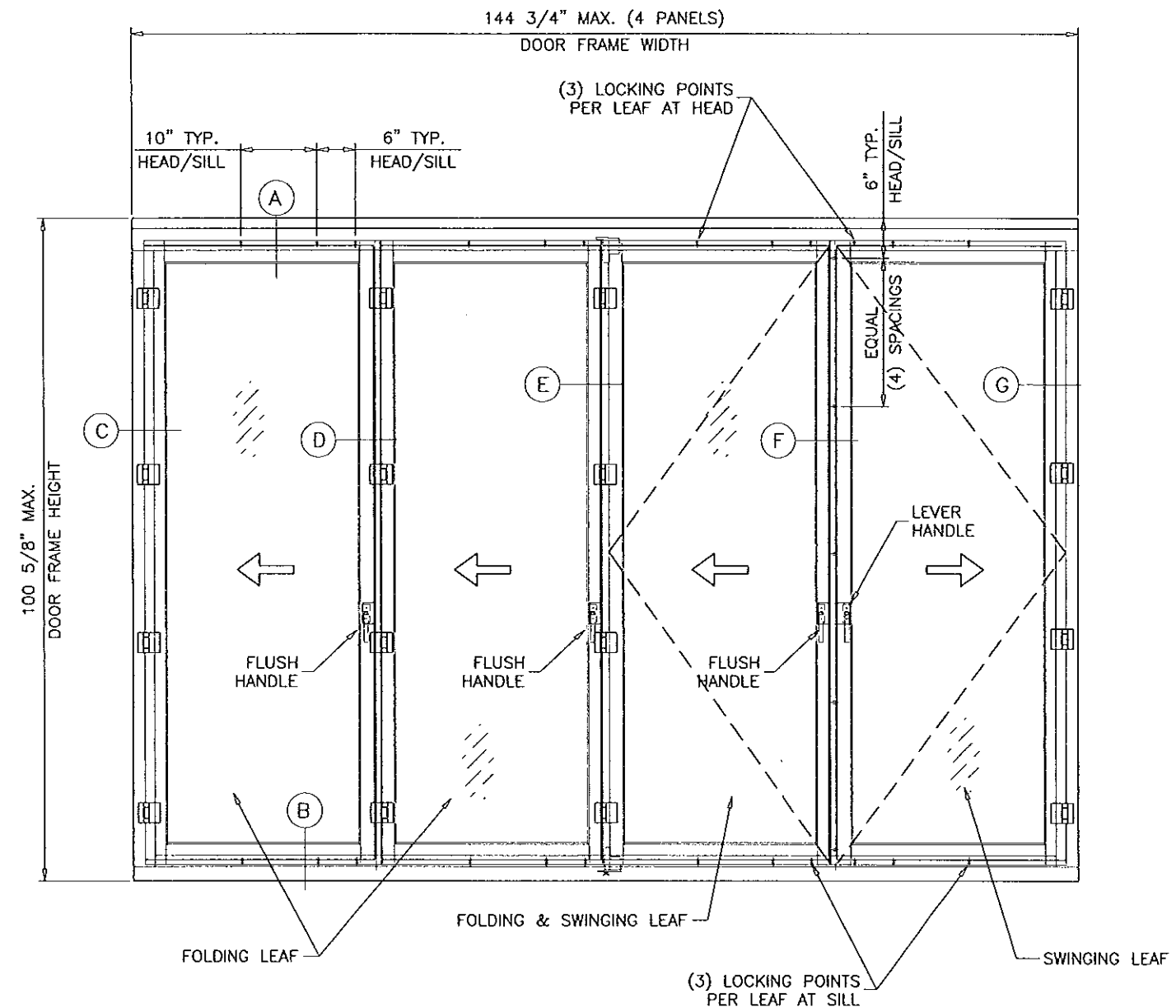
(3) LOCKING POINTS AT HEAD

(3) LOCKING POINTS AT SILL

#### SWINGING, SWINGING & FOLDING, FOLDING LEAFS:

SURFACE MOUNT METALLIC KEEPERS FACING LOCKING  
POINTS AT HEAD AND SILL

EACH KEEPER FASTENED WITH  
(2) #10 X 1-3/4" FH SMS



Approved as complying with the  
Florida Building Code  
Date 11/14/13  
NOA# 13-0207-05  
Miami Dade Product Control  
By 1649 L. G. G. G.

Engr: JAVAD AHMAD  
CML  
FLA. PE # 70592  
C.A.N. 3538  
NOV 07 2013

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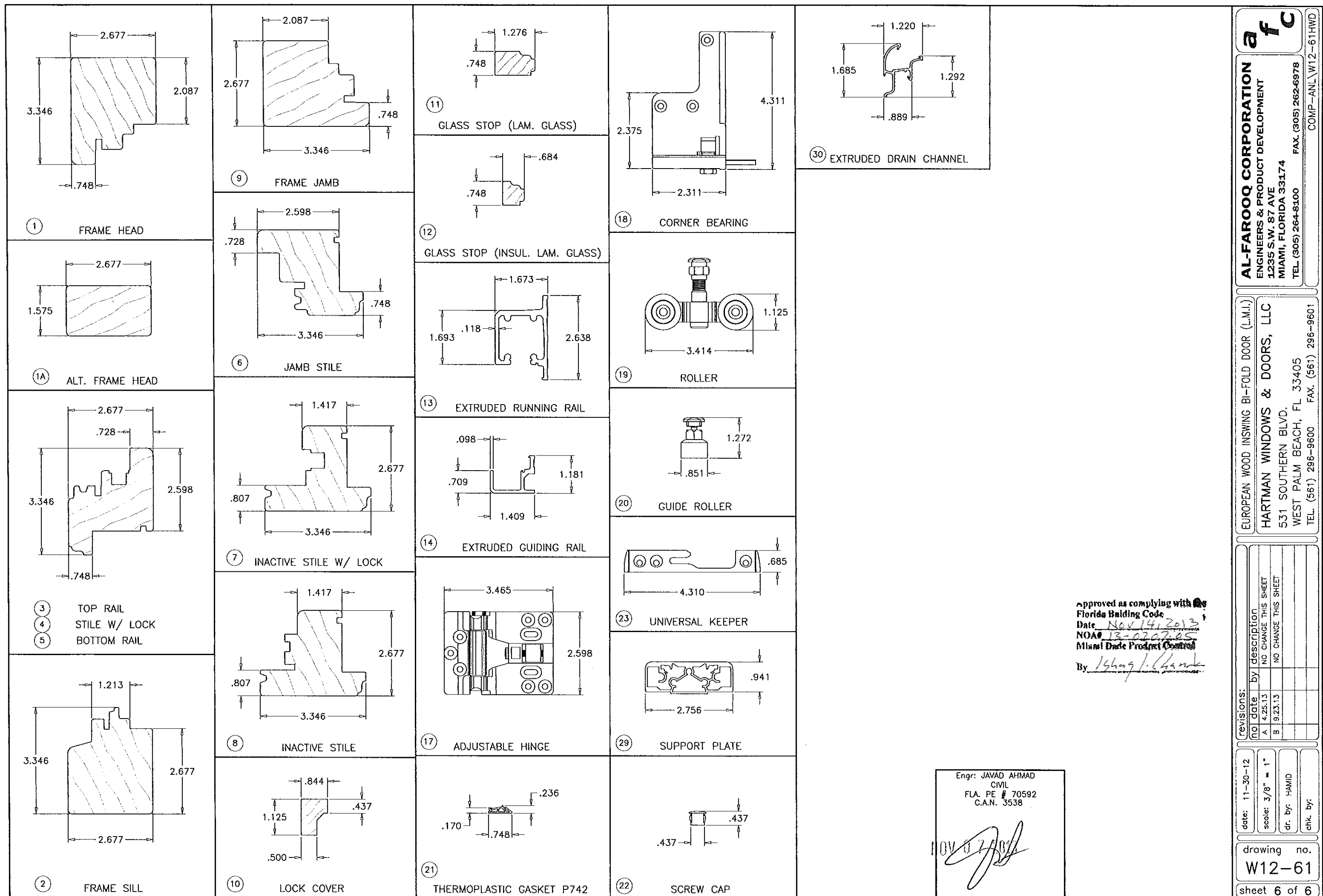
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		B	9.23.13		REV. PER COMMENTS

date:	11-30-12
scale:	3/8" = 1"
dr. by:	HAMID
chk. by:	

drawing no.  
**W12-61**

sheet 5.1 of 6



Approved as complying with  
Florida Building Code  
Date Nov 14, 2013  
NOA# 13-0202-05  
Miami Date Product Control  
By Ismael J. GARCIA

Engr: JAVAD AHMAD  
CIVIL  
FLA. PE # 70592  
C.A.N. 3538  
NOV 07 2013

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revisions:		no	date	by	description
		A	4.25.13		NO CHANGE THIS SHEET
		B	9.23.13		NO CHANGE THIS SHEET

date: 11-30-12  
scale: 3/8" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**W12-61**  
sheet 6 of 6