



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

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/pera

NOTICE OF ACCEPTANCE (NOA)

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 and accepted by Miami-Dade County PERA - 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. PERA 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 "Sidelite/Transom" Wood Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W07-45**, titled "Sidelite/Transom Windows (L.M.I.)", sheets 1 through 8 of 8, dated 05/05/07, with revision B dated 02/23/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, 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 Section.

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, model/series, 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# 09-0518.04** 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.**



MP
7/5/12

NOA No. 12-0402.09
Expiration Date: November 15, 2017
Approval Date: July 12, 2012
Page 1

Hartman Windows and Doors, LLC

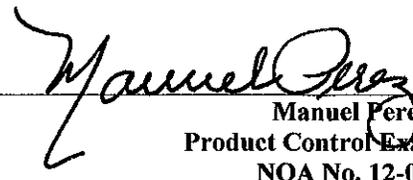
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W07-45**, titled "Sidelite/Transom Windows (L.M.I.)", sheets 1 through 8 of 8, dated 05/05/07, with revision B dated 02/23/12, 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
 - 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 202-94along with marked-up drawings and installation diagram of a wood fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5191**, dated 02/19/07, signed and sealed by Michael Wenzel, P.E.
(Submitted under NOA# 07-0522.05)
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 202-94along with marked-up drawings and installation diagram of a wood fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4941**, dated 12/11/06, signed and sealed by Edmundo Largaespada, P.E.
(Submitted under NOA# 07-0522.05)
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 202-94along with marked-up drawings and installation diagram of a wood fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4944**, dated 11/14/06, signed and sealed by Edmundo Largaespada, P.E.
(Submitted under NOA# 07-0522.05)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-0402.09

Expiration Date: November 15, 2017
Approval Date: July 12, 2012

Hartman Windows and Doors, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (CONTINUED)

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 of a wood fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4969**, dated 08/21/06, signed and sealed by Edmundo Largaespada, P.E.

(Submitted under NOA# 07-0522.05)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2010, prepared by Al-Farooq Corporation, dated 02/21/12, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11-0624.01** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 09/08/11, expiring on 12/11/16.
2. Notice of Acceptance No. **11-0325.05** issued to Solutia, Inc. for their "**Saflex and Vanceva clear and color interlayers**" dated 05/05/11, expiring on 05/21/16
3. Notice of Acceptance No. **08-1224.04** issued to Solutia, Inc. for their "**Saflex Composites Glass Interlayer with PET Core**" dated 02/25/09, expiring on 12/11/13.

F. STATEMENTS

1. Statement letter of conformance, complying with FBC-2010, and of no financial interest, dated February 13, 2012, signed and sealed by Javad Ahmad, P.E.

G. OTHER

1. Notice of Acceptance No. **09-0518.04**, issued to Hartman Windows and Doors, LLC for their Series "**Sidelite/Transom**" Wood Fixed Window - L.M.I., approved on 09/23/09 and expiring on 11/15/12.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-0402.09

Expiration Date: November 15, 2017
Approval Date: July 12, 2012

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

SIDELITE/TRANSOM WINDOWS

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEET 2.

THESE WINDOWS CAN BE INSTALLED AS SINGLE UNITS OR IN COMBINATION WITH MIAMI-DADE COUNTY APPROVED PRODUCTS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURES FROM WINDOWS, DOORS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

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

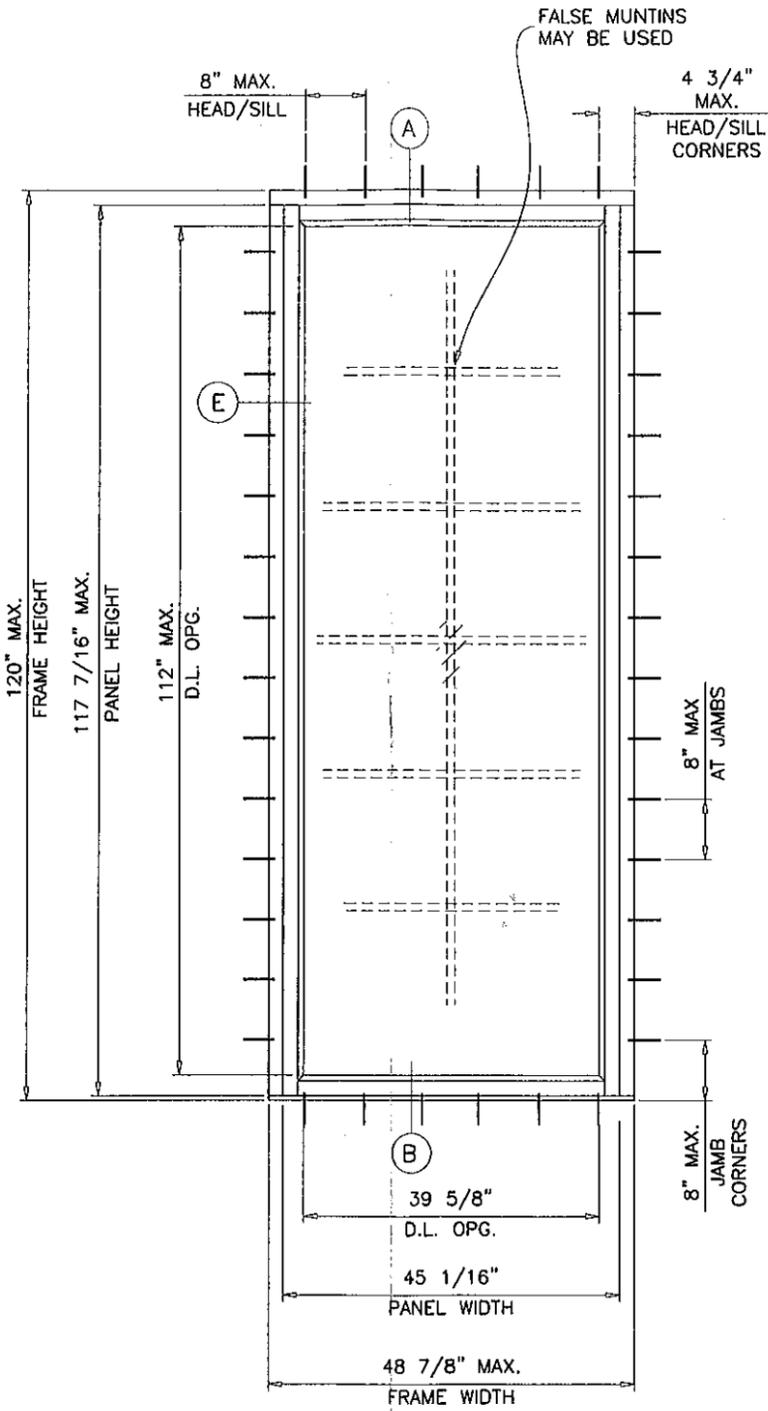
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

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

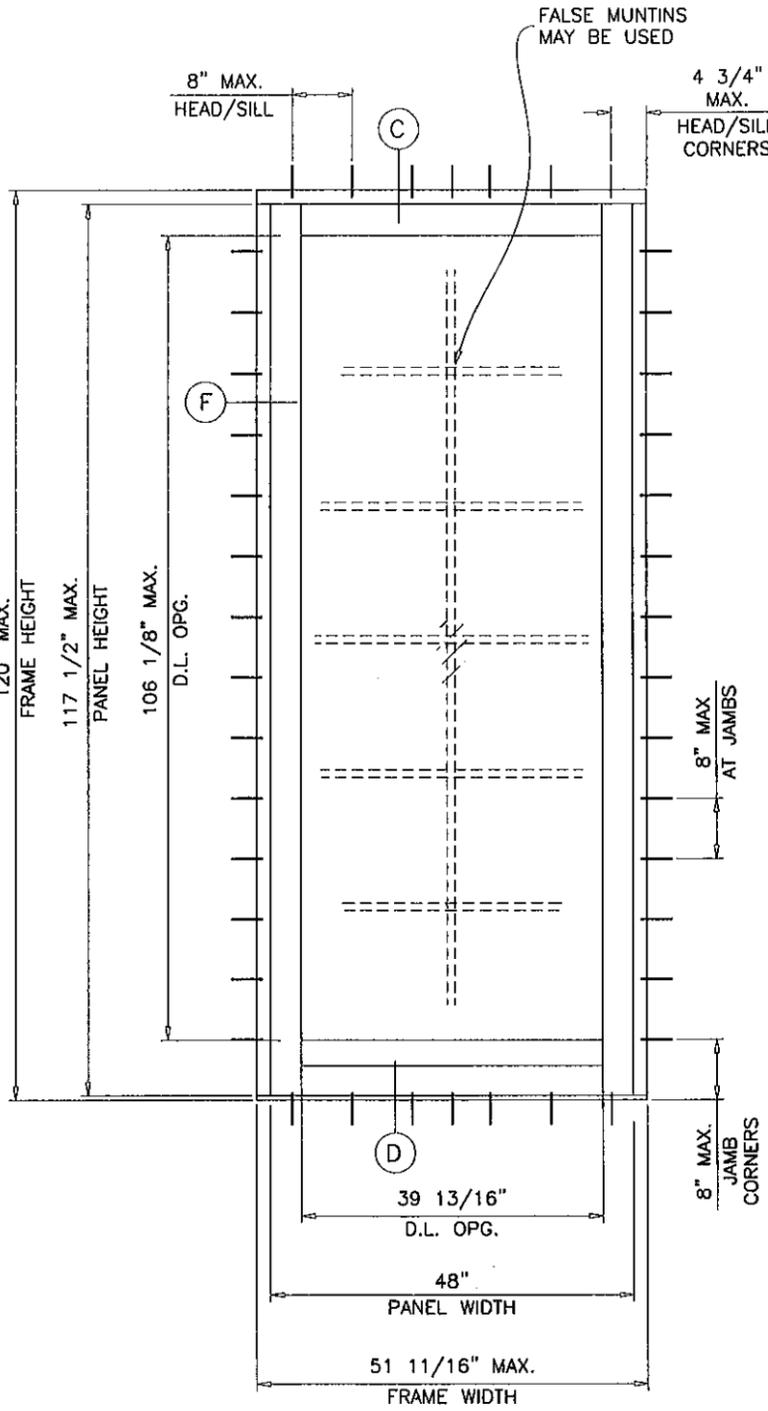
ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

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.



TRANSOM/SIDELITE UNIT



FIX. DOOR UNIT

TYPICAL ELEVATIONS

WINDOWS CAN BE INSTALLED WITH ANY OF THE FOLLOWING OPTIONS

- OPTION 1: BY USING FASTENERS THRU WINDOW FRAME INTO STRUCTURE AT 8" FROM CORNERS AND 8" O.C. MAX.
- OPTION 2: BY USING FASTENERS THRU STRAP CLIPS AT 8" FROM CORNERS AND 8" O.C. MAX.
- OPTION 3: BY USING FASTENERS THRU CONT. ALUM ANGLE AT 8" FROM CORNERS AND 8" O.C. MAX.

SEE SHEETS 3 THRU 5 FOR DETAILS.

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

[Signature]
MAR 27 2012

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 12-0402-09
Expiration Date Nov 15, 2017
By *[Signature]*
Miami Dade Product Control

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\W07-45HWD

SIDELITE/TRANSOM WINDOWS (L.M.I.)
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	03.26.09		UPDATED FOR 2007 FBC
B	02.23.12		UPDATED TO 2010 FBC

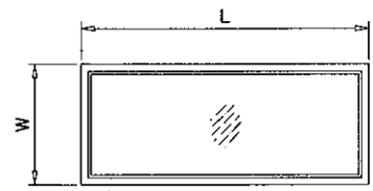
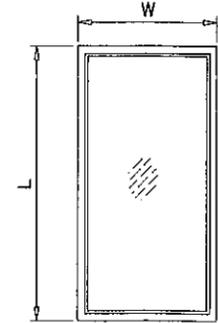
date: 05-05-07
scale: 1/2" = 1'-0"
dr. by: HAMID
chk. by:

drawing no.
W07-45
sheet 1 of 8

DESIGN LOAD CAPACITY - PSF							
WINDOW DIMS.		GLAZING TYPES					
WIDTH *	LENGTH *	'A'/'E'	'B'	'C'	'C1'	'D'/'H'/'I'	'F'/'G'
		EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
18"	72"	70.0	70.0	70.0	70.0	70.0	70.0
21"		70.0	70.0	70.0	70.0	70.0	70.0
24"		70.0	70.0	70.0	70.0	70.0	70.0
27"		70.0	70.0	70.0	70.0	70.0	70.0
30"		70.0	70.0	70.0	70.0	70.0	70.0
33"		70.0	70.0	70.0	70.0	70.0	70.0
36"		70.0	70.0	70.0	70.0	70.0	70.0
39"		70.0	70.0	70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0	70.0	70.0
45"		70.0	-	70.0	70.0	70.0	70.0
48"		70.0	-	70.0	70.0	70.0	70.0
51"		70.0	-	70.0	70.0	70.0	70.0
18"	78"	70.0	70.0	70.0	70.0	70.0	70.0
21"		70.0	70.0	70.0	70.0	70.0	70.0
24"		70.0	70.0	70.0	70.0	70.0	70.0
27"		70.0	70.0	70.0	70.0	70.0	70.0
30"		70.0	70.0	70.0	70.0	70.0	70.0
33"		70.0	70.0	70.0	70.0	70.0	70.0
36"		70.0	70.0	70.0	70.0	70.0	70.0
39"		70.0	70.0	70.0	70.0	70.0	70.0
42"		70.0	-	70.0	70.0	70.0	70.0
45"		70.0	-	70.0	70.0	70.0	70.0
48"		70.0	-	70.0	70.0	70.0	70.0
51"		-	-	70.0	70.0	-	70.0
18"	84"	70.0	70.0	70.0	70.0	70.0	70.0
21"		70.0	70.0	70.0	70.0	70.0	70.0
24"		70.0	70.0	70.0	70.0	70.0	70.0
27"		70.0	70.0	70.0	70.0	70.0	70.0
30"		70.0	70.0	70.0	70.0	70.0	70.0
33"		70.0	70.0	70.0	70.0	70.0	70.0
36"		70.0	70.0	70.0	70.0	70.0	70.0
39"		70.0	-	70.0	70.0	70.0	70.0
42"		70.0	-	70.0	70.0	70.0	70.0
45"		70.0	-	70.0	70.0	70.0	70.0
48"		-	-	70.0	70.0	-	70.0
51"		-	-	70.0	70.0	-	70.0
18"	90"	70.0	70.0	70.0	70.0	70.0	70.0
21"		70.0	70.0	70.0	70.0	70.0	70.0
24"		70.0	70.0	70.0	70.0	70.0	70.0
27"		70.0	70.0	70.0	70.0	70.0	70.0
30"		70.0	70.0	70.0	70.0	70.0	70.0
33"		70.0	70.0	70.0	70.0	70.0	70.0
36"		70.0	-	70.0	70.0	70.0	70.0
39"		70.0	-	70.0	70.0	70.0	70.0
42"		70.0	-	70.0	70.0	70.0	70.0
45"		-	-	70.0	70.0	-	70.0
48"		-	-	70.0	70.0	-	70.0
51"		-	-	70.0	70.0	-	70.0
18"	96"	70.0	70.0	70.0	70.0	70.0	70.0
21"		70.0	70.0	70.0	70.0	70.0	70.0
24"		70.0	70.0	70.0	70.0	70.0	70.0
27"		70.0	70.0	70.0	70.0	70.0	70.0
30"		70.0	70.0	70.0	70.0	70.0	70.0
33"		70.0	70.0	70.0	70.0	70.0	70.0
36"		70.0	-	70.0	70.0	70.0	70.0
39"		70.0	-	70.0	70.0	70.0	70.0
42"		-	-	70.0	70.0	-	70.0
45"		-	-	70.0	70.0	-	70.0
48"		-	-	70.0	70.0	-	70.0
51"		-	-	70.0	70.0	-	70.0

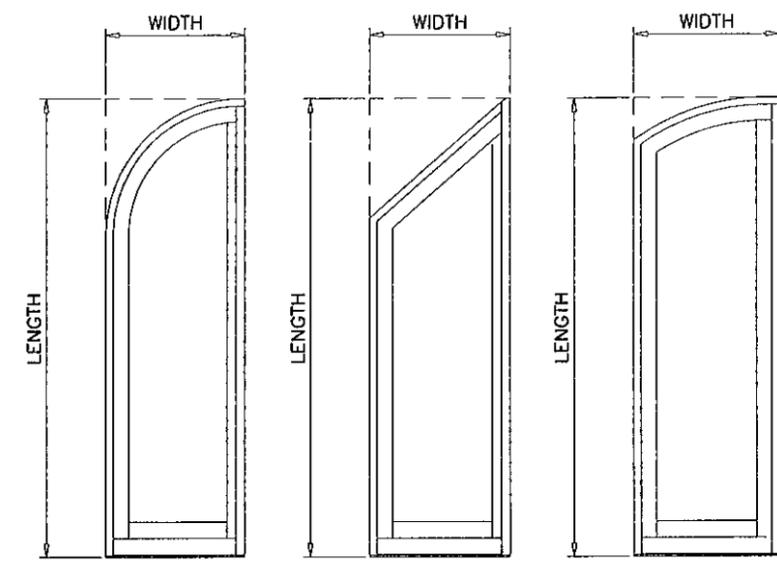
DESIGN LOAD CAPACITY - PSF							
WINDOW DIMS.		GLAZING TYPES					
WIDTH *	LENGTH *	'A'/'E'	'B'	'C'	'C1'	'D'/'H'/'I'	'F'/'G'
		EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
18"	102"	70.0	70.0	70.0	70.0	70.0	70.0
21"		70.0	70.0	70.0	70.0	70.0	70.0
24"		70.0	70.0	70.0	70.0	70.0	70.0
27"		70.0	70.0	70.0	70.0	70.0	70.0
30"		70.0	70.0	70.0	70.0	70.0	70.0
33"		70.0	-	70.0	70.0	70.0	70.0
36"		70.0	-	70.0	70.0	70.0	70.0
39"		70.0	-	70.0	70.0	-	70.0
42"		-	-	70.0	70.0	-	70.0
45"		-	-	70.0	70.0	-	70.0
48"		-	-	70.0	70.0	-	70.0
51"		-	-	70.0	70.0	-	70.0
18"	108"	70.0	70.0	70.0	70.0	70.0	70.0
21"		70.0	70.0	70.0	70.0	70.0	70.0
24"		70.0	70.0	70.0	70.0	70.0	70.0
27"		70.0	70.0	70.0	70.0	70.0	70.0
30"		70.0	70.0	70.0	70.0	70.0	70.0
33"		70.0	-	70.0	70.0	70.0	70.0
36"		70.0	-	70.0	70.0	70.0	70.0
39"		-	-	70.0	70.0	-	70.0
42"		-	-	70.0	70.0	-	70.0
45"		-	-	70.0	70.0	-	70.0
48"		-	-	70.0	70.0	-	70.0
51"		-	-	70.0	70.0	-	70.0
18"	114"	70.0	70.0	70.0	70.0	70.0	70.0
21"		70.0	70.0	70.0	70.0	70.0	70.0
24"		70.0	70.0	70.0	70.0	70.0	70.0
27"		70.0	70.0	70.0	70.0	70.0	70.0
30"		70.0	-	70.0	70.0	70.0	70.0
33"		70.0	-	70.0	70.0	70.0	70.0
36"		-	-	70.0	70.0	-	70.0
39"		-	-	70.0	70.0	-	70.0
42"		-	-	70.0	70.0	-	70.0
45"		-	-	70.0	70.0	-	70.0
48"		-	-	70.0	70.0	-	70.0
51"		-	-	70.0	70.0	-	70.0
18"	120"	70.0	70.0	70.0	70.0	70.0	70.0
21"		70.0	70.0	70.0	70.0	70.0	70.0
24"		70.0	70.0	70.0	70.0	70.0	70.0
27"		70.0	70.0	70.0	70.0	70.0	70.0
30"		70.0	-	70.0	70.0	70.0	70.0
33"		70.0	-	70.0	70.0	70.0	70.0
36"		-	-	70.0	70.0	-	70.0
39"		-	-	70.0	70.0	-	70.0
42"		-	-	70.0	70.0	-	70.0
45"		-	-	70.0	70.0	-	70.0
48"		-	-	70.0	70.0	-	70.0

* ADD 2.625 INCHES TO WIDTH SIZES SHOWN ABOVE FOR FIX. DOOR UNITS.
 ADD 5.875 INCHES TO LENGTH SIZES SHOWN ABOVE FOR FIX. DOOR UNITS.

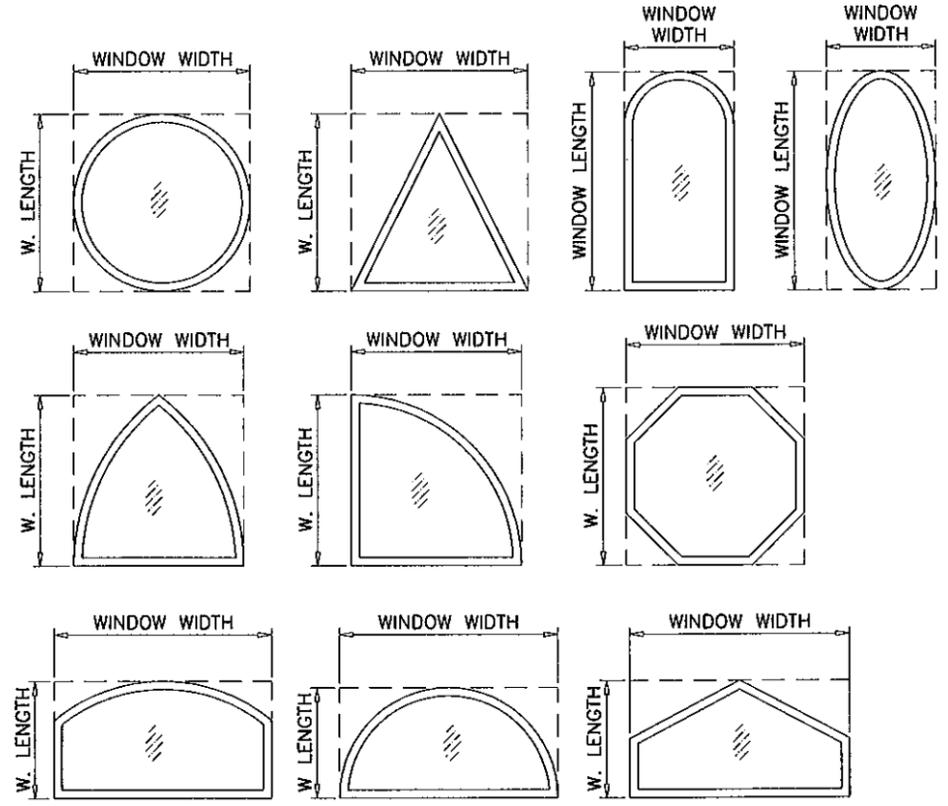


NOTE:
 WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED
 VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.

NOTE:
 GLASS CAPACITIES ON THIS SHEET ARE
 BASED ON ASTM E1300-04 (3 SEC. GUSTS).



ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN OR SIMILAR CAN BE
 VERIFIED BY INSCRIBING WINDOW SHAPE WITHIN RECTANGLE AS SHOWN IN DOTTED
 LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES.



Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
 C.A.N. 3538
 MAR 27 2012

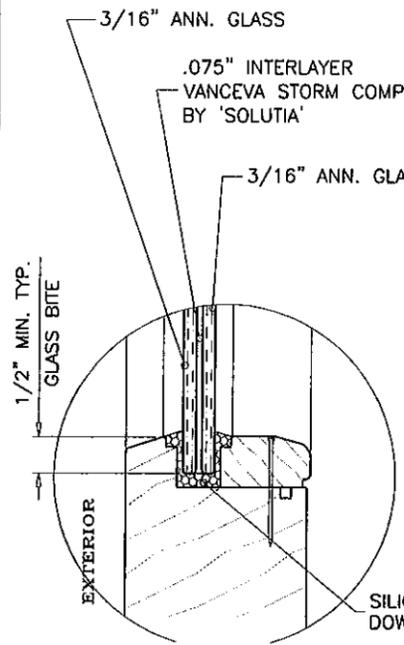
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 12-0402-09
 Expiration Date Nov. 15, 2017
 By: *[Signature]*
 Miami Made Product Control

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\W07-45HWD

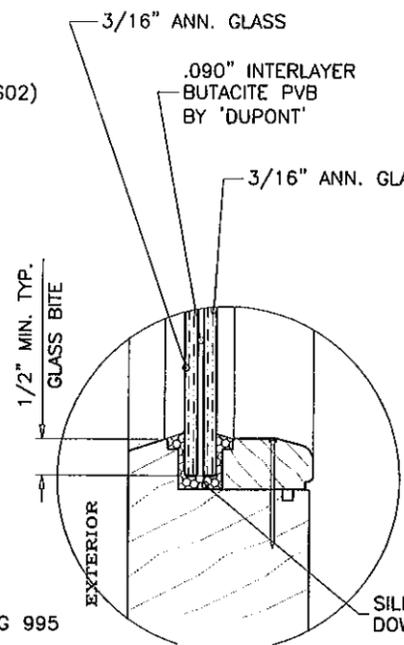
SIDELITE/TRANSOM WINDOWS (L.M.I.)
HARTMAN WINDOWS & DOORS, LLC
 531 SOUTHERN BLVD.
 WEST PALM BEACH, FL 33405
 TEL. (561) 296-9600 FAX. (561) 296-9601

no	date	description
A	03.26.09	UPDATED FOR 2007 FBC
B	02.23.12	UPDATED TO 2010 FBC

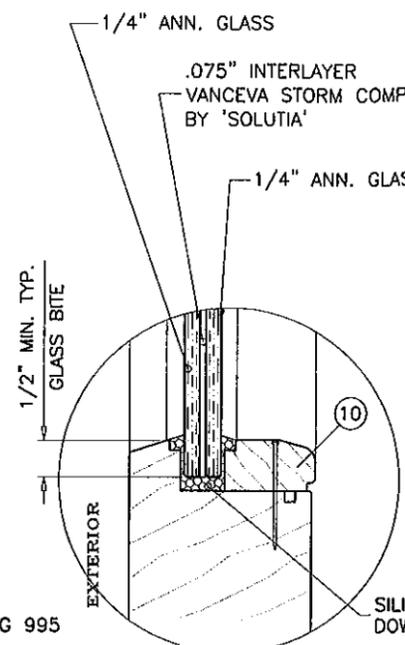
date: 05-05-07
 scale: 3/8" = 1"
 dr. by: HAMID
 chk. by:
 drawing no.
W07-45
 sheet 2 of 8



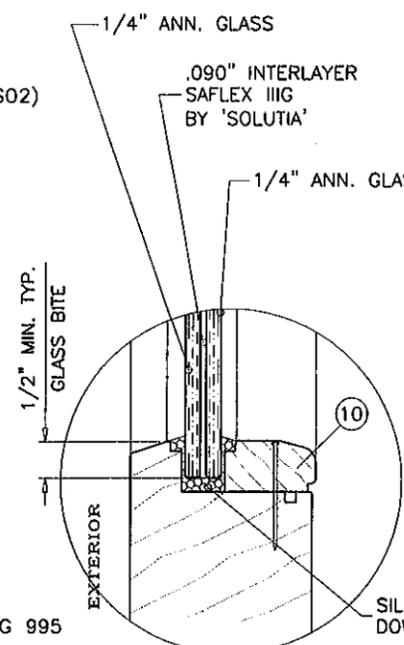
GLAZING TYPE 'A'



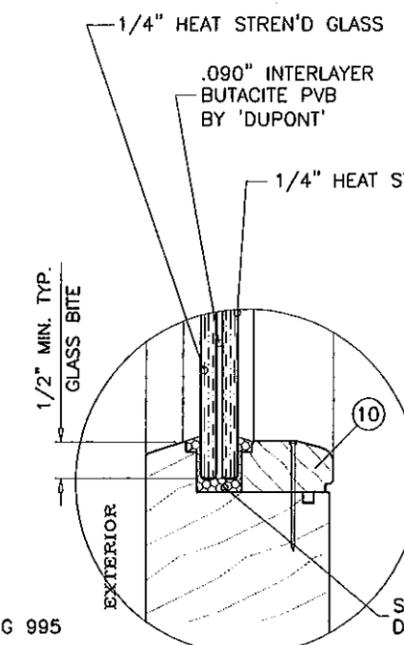
GLAZING TYPE 'B'



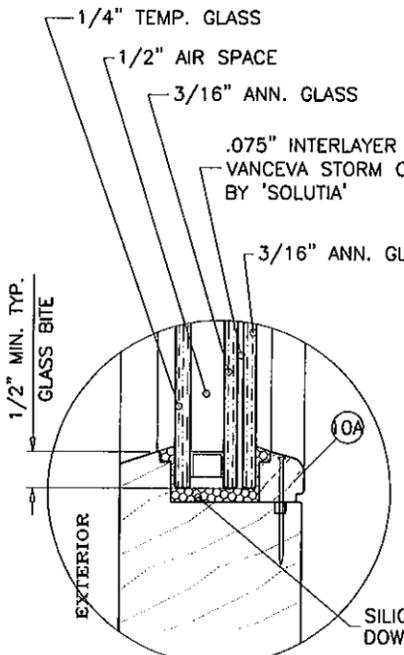
GLAZING TYPE 'C'



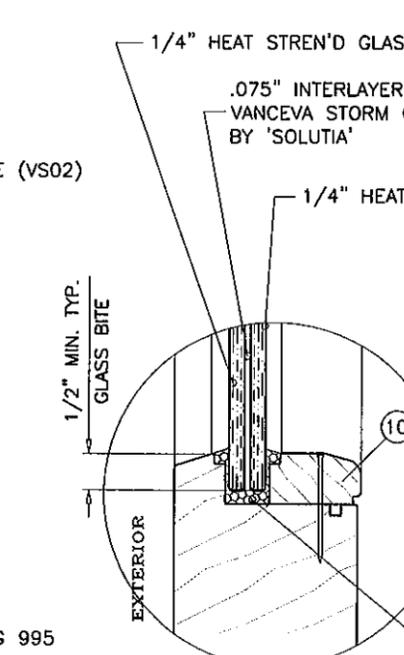
GLAZING TYPE 'C1'



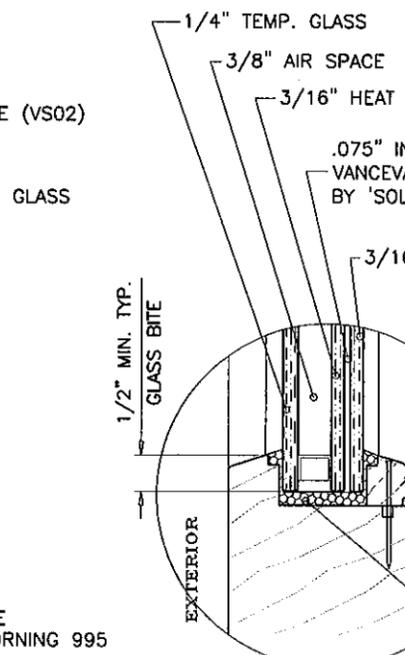
GLAZING TYPE 'D'



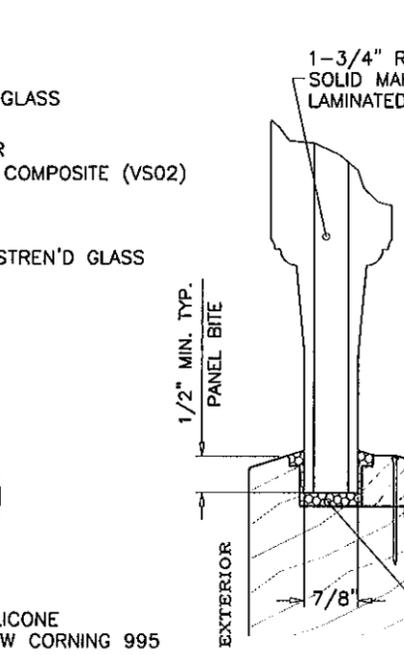
GLAZING TYPE 'E'



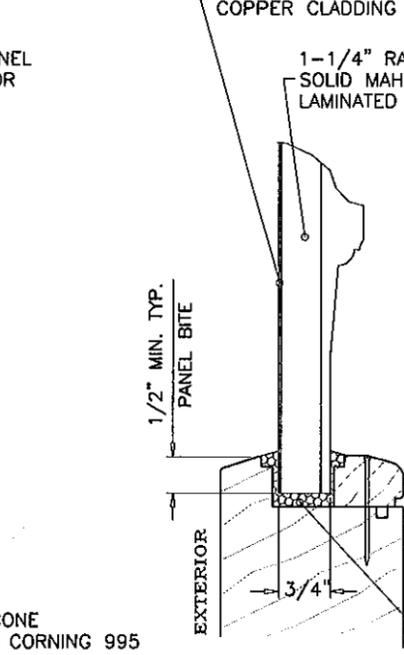
GLAZING TYPE 'F'



GLAZING TYPE 'G'



GLAZING TYPE 'H'



GLAZING TYPE 'I'

GLAZING OPTIONS

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

MAR 27 2012

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0402-09
Expiration Date Nov. 15, 2017
By *Manuel Perez*
Miami Dade Product Control

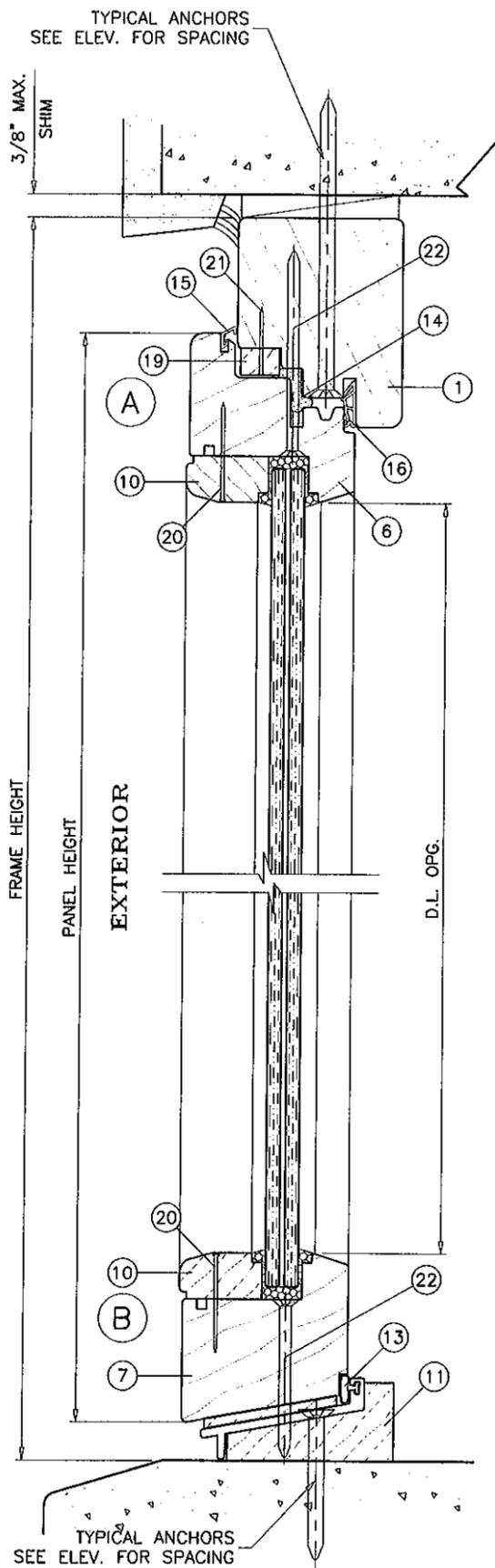
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W07-45HWD

SIDELITE/TRANSOM WINDOWS (L.M.I.)
HARTMAN WINDOWS & DOORS, LLC
531 SOUTHERN BLVD.
WEST PALM BEACH, FL 33405
TEL. (561) 296-9600 FAX. (561) 296-9601

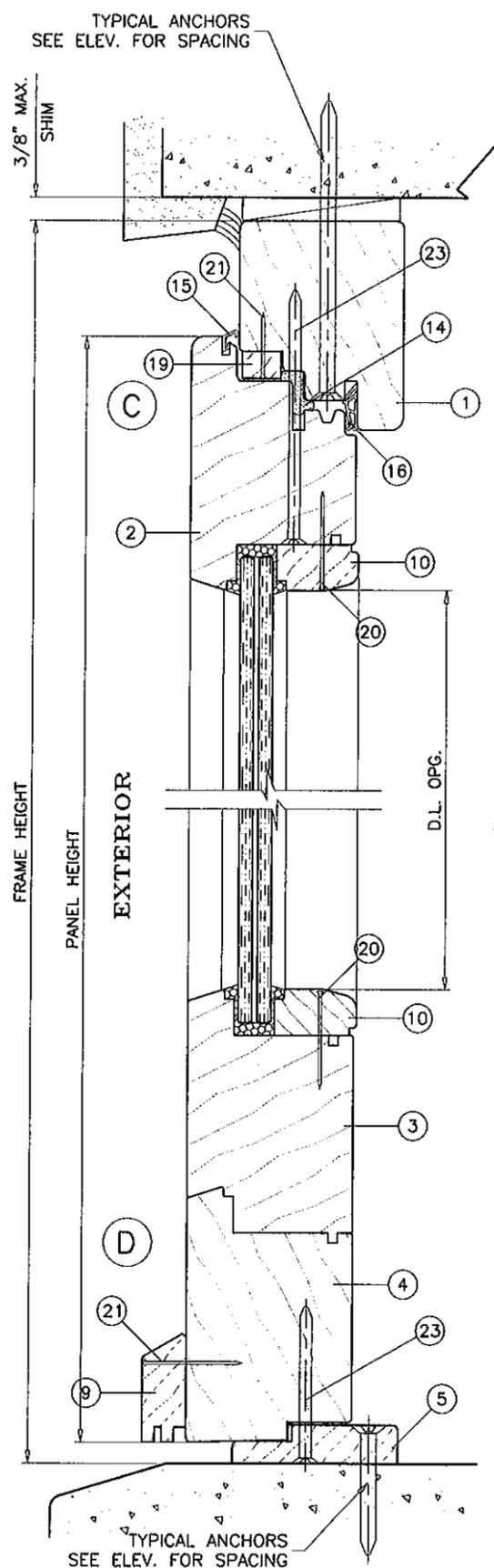
no	date	description
A	03.26.09	NO CHANGE THIS SHEET
B	02.23.12	UPDATED TO 2010 FBC

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

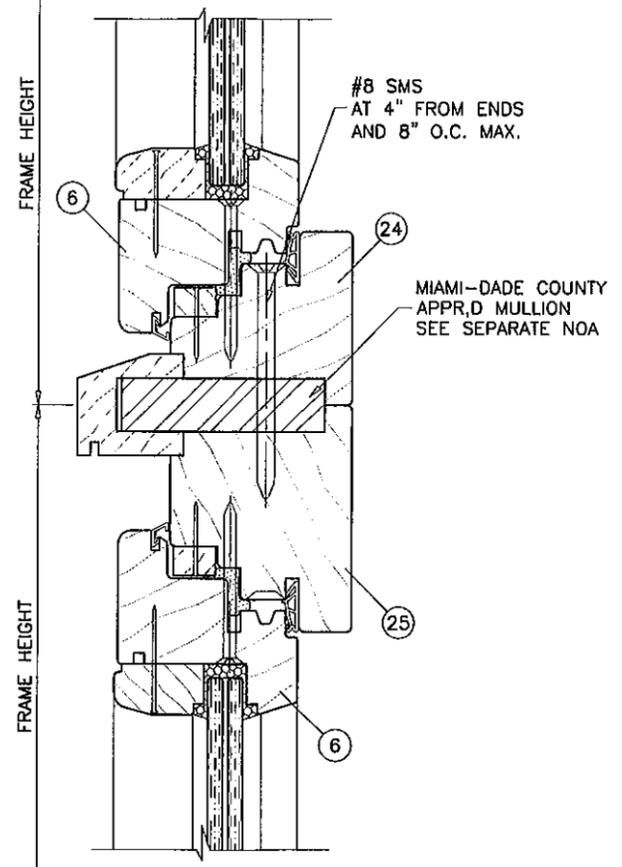
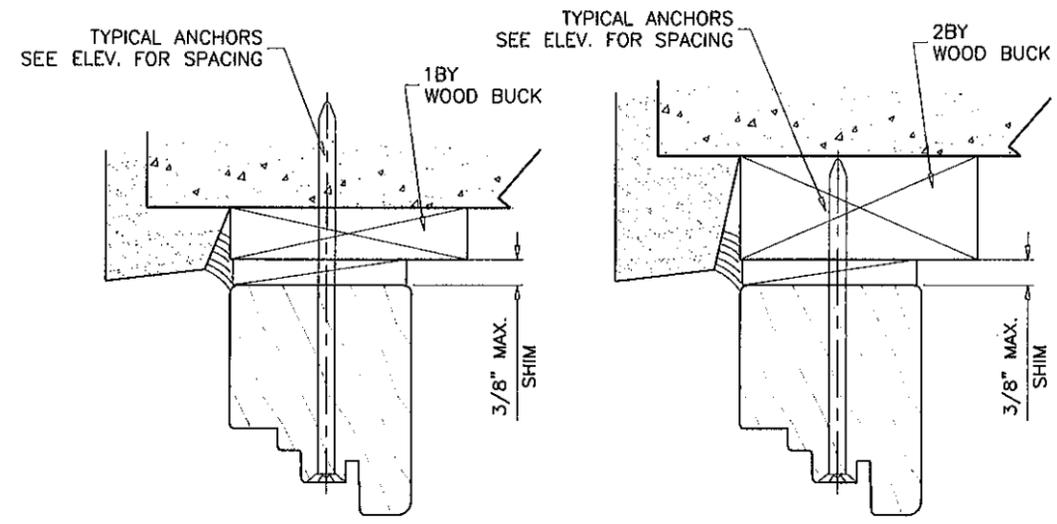
drawing no.
W07-45
sheet 3 of 8



SIDELITE/TRANSOM UNIT



FIX. DOOR UNIT



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

ANCHORS THRU WINDOW FRAME

- 1/4" DIA. ULTRACON BY 'ELCO'** (Fu=177 KSI, Fy=155 KSI) INTO 2BY WOOD BUCKS OR WOOD STRUCTURES 1-3/8" MIN. PENETRATION INTO WOOD
- THRU 1BY BUCKS INTO CONC. OR MASONRY 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
- DIRECTLY INTO CONC. OR MASONRY 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

ANCHORS THRU STRAP CLIPS & ALUM ANGLE

- A: #10 SMS (GRADE 2 CRS)** INTO 2BY WOOD BUCKS OR WOOD STRUCTURES 1-3/8" MIN. PENETRATION INTO WOOD
- B: 3/16" DIA. ULTRACON BY 'ELCO'** (Fu=177 KSI, Fy=155 KSI) INTO 2BY WOOD BUCKS OR WOOD STRUCTURES 1-3/8" MIN. PENETRATION INTO WOOD
- THRU 1BY BUCKS INTO CONC. OR MASONRY 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
- DIRECTLY INTO CONC. OR 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 = 3" MIN.
INTO WOOD STRUCTURE = 3/4" MIN. (UNLESS SPECIFIED)

CONCRETE f'c = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK f'm = 2000 PSI MIN.

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

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

MAR 27 2012

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 12-0402.09
Expiration Date Nov 15, 2017

By *Manuel Perez*
Miami/Dade Product Control

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\W07-45HWD

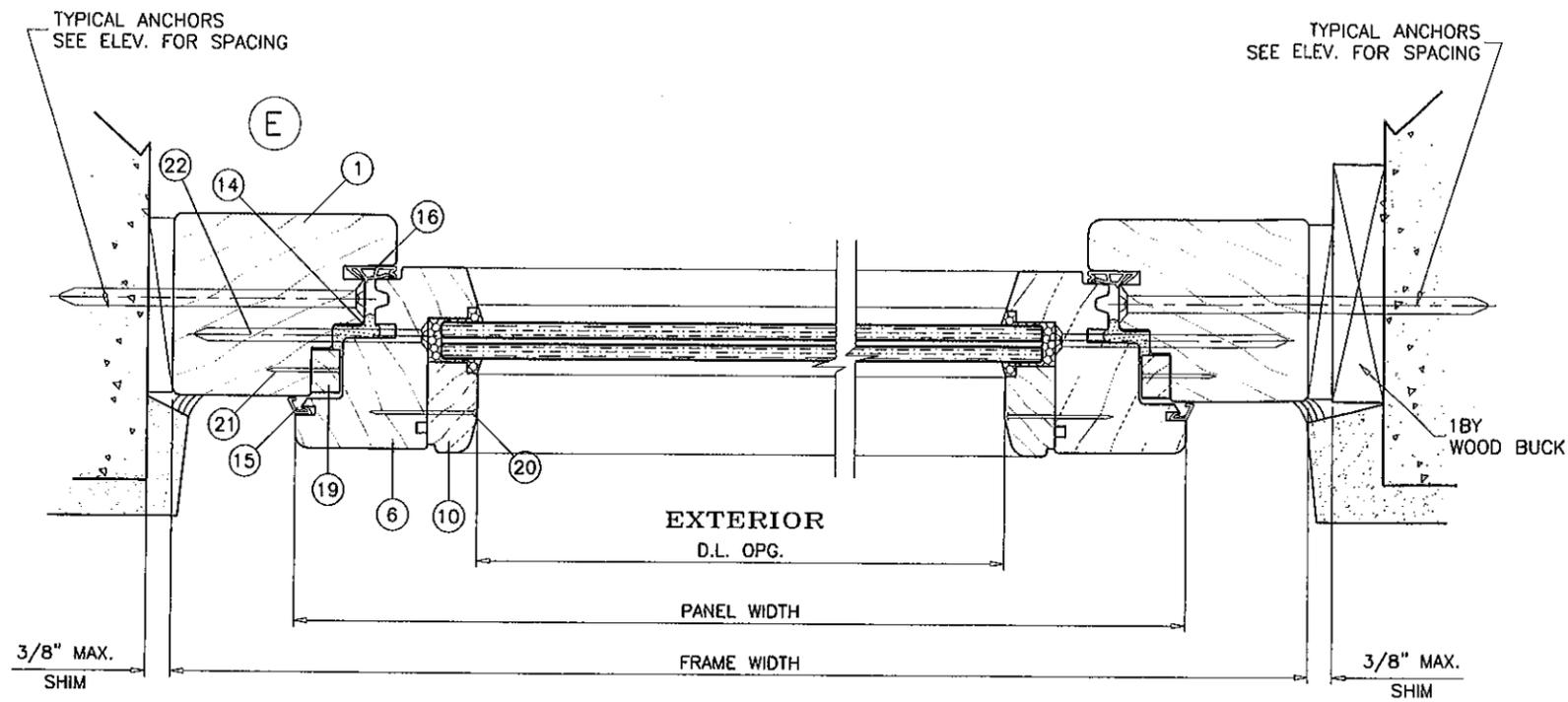
SIDELITE/TRANSOM WINDOWS (L.M.I.)

HARTMAN WINDOWS & DOORS, LLC
531 SOUTHERN BLVD.
WEST PALM BEACH, FL 33405
TEL. (561) 296-9600 FAX. (561) 296-9601

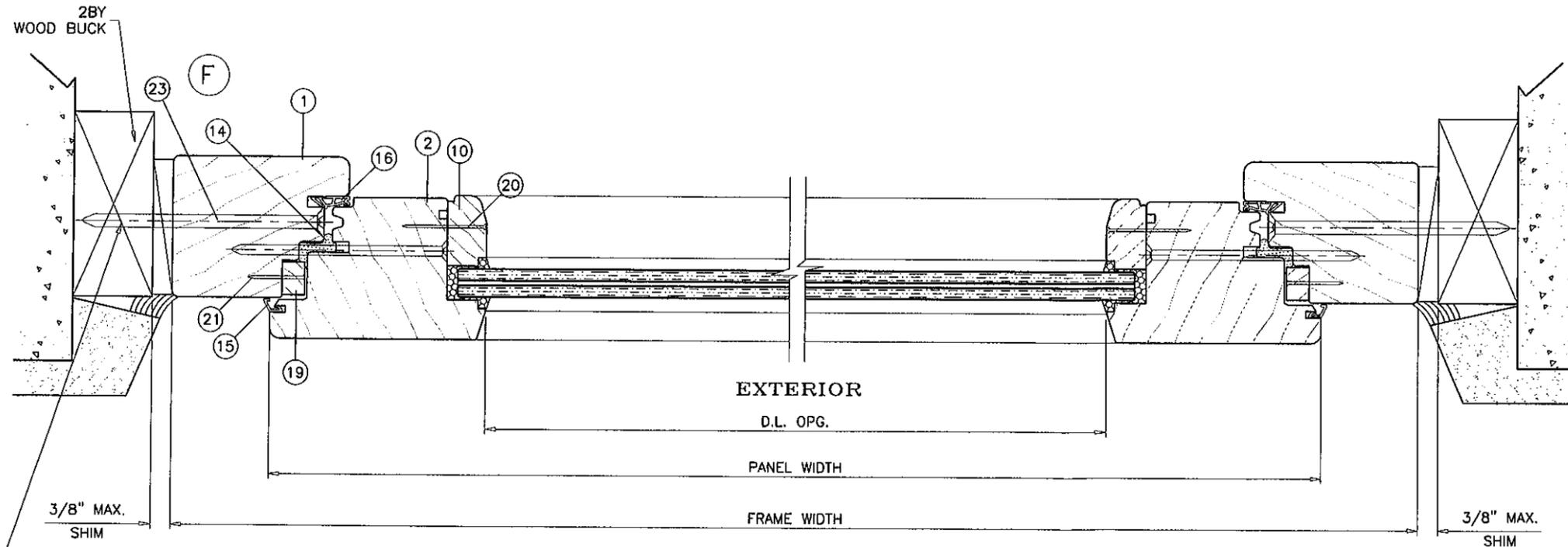
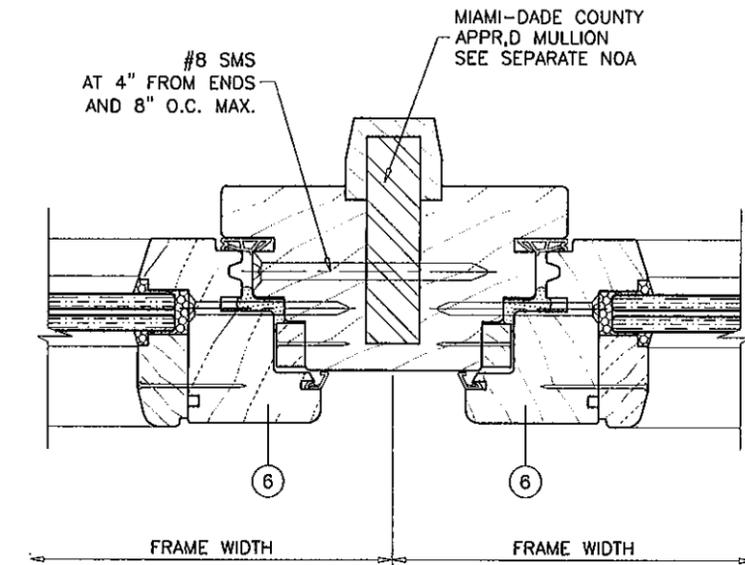
no	date	by	description
A	03.26.09	ANCHORS	REVISED
B	02.23.12		UPDATED TO 2010 FBC

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

drawing no.
W07-45
sheet 4 of 8



SIDELITE/TRANSOM UNIT



FIX. DOOR UNIT

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

MAR 27 2012

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 12-0402.09
 Expiration Date Nov. 15, 2017

By *Mamuel*
 Miami Dade Product Control

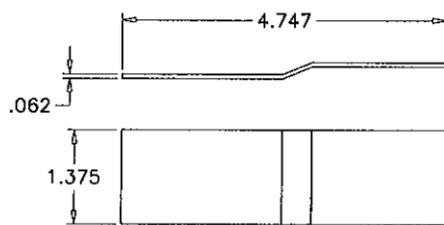
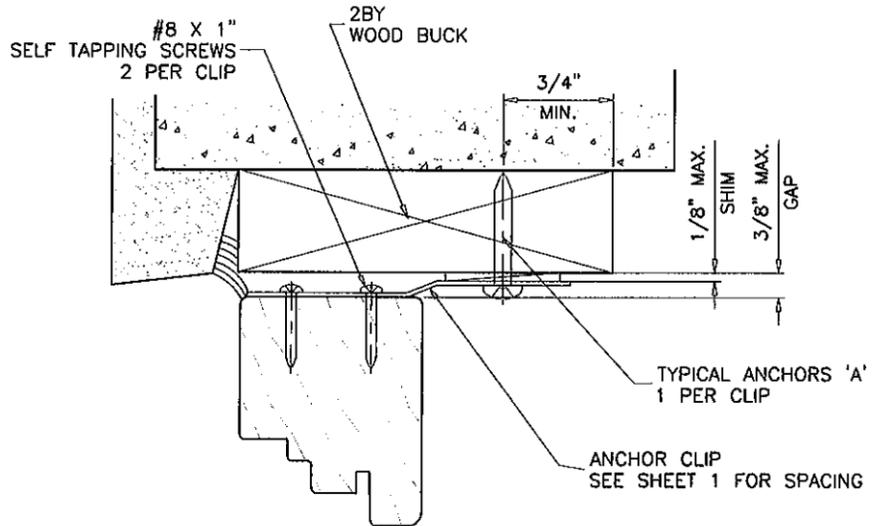
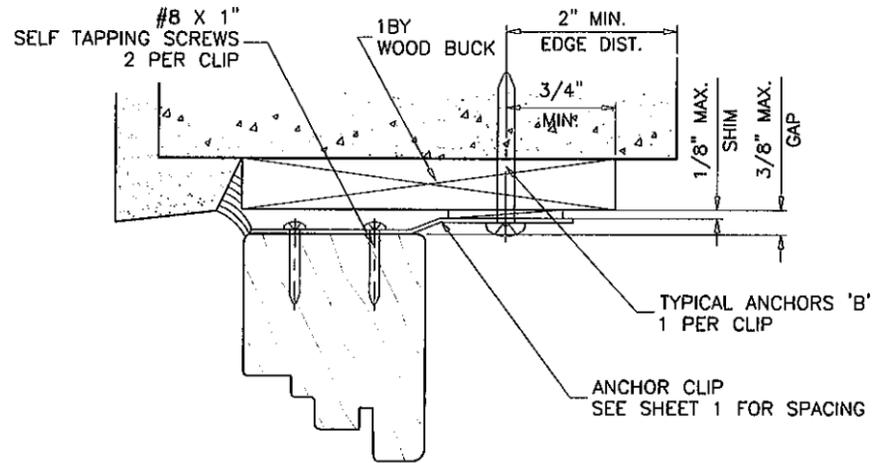
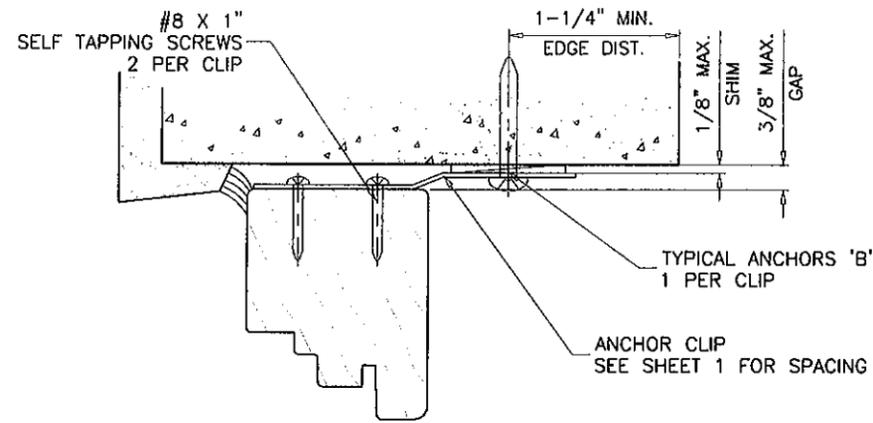
afC
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W07-45HWD

SIDELITE/TRANSOM WINDOWS (L.M.I.)
HARTMAN WINDOWS & DOORS, LLC
 531 SOUTHERN BLVD.
 WEST PALM BEACH, FL 33405
 TEL. (561) 296-9600 FAX. (561) 296-9601

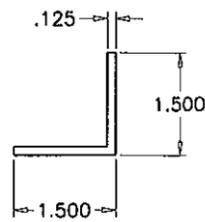
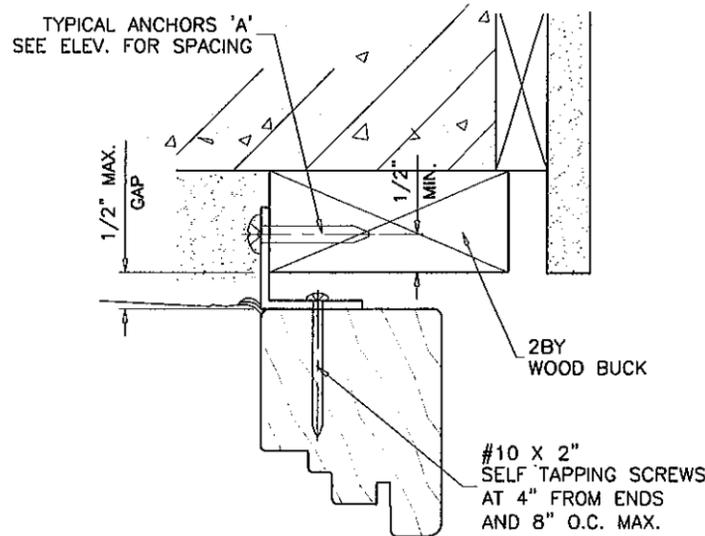
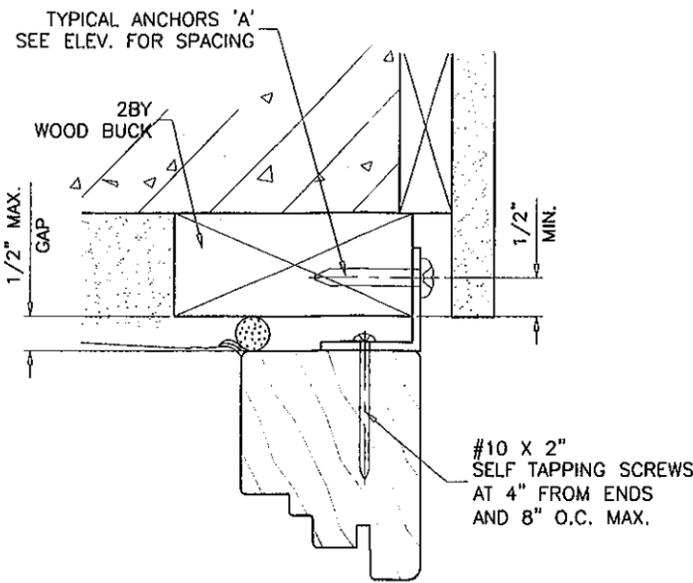
revisions:	no	date	by	description
	A	03.26.09		NO CHANGE THIS SHEET
	B	02.23.12		NO CHANGE THIS SHEET

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

drawing no.
W07-45
 sheet 5 of 8



STRAP CLIP
GALV. STEEL



ALUMINUM ANGLE CONT.
(6063-T5)

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

MAR 27 2012

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0402.09
Expiration Date Nov. 15, 2017

By *Muhammad Ezz*
Miami Dade Product Control

af c

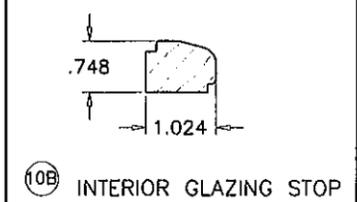
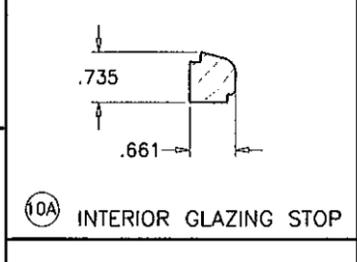
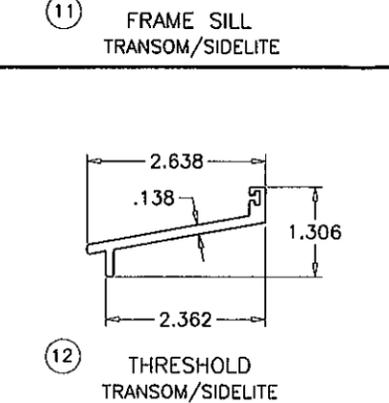
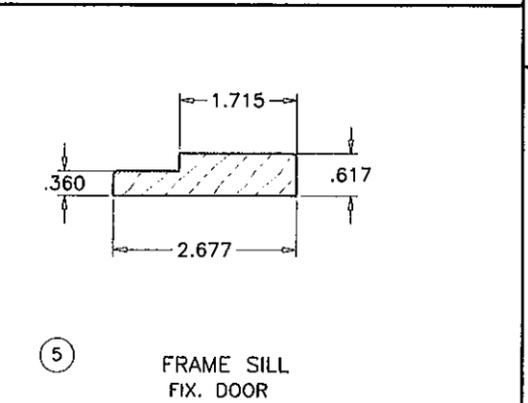
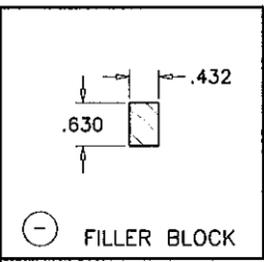
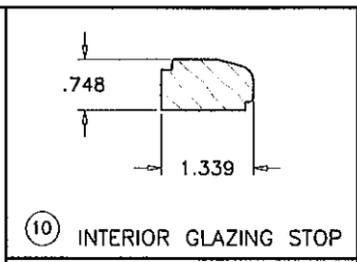
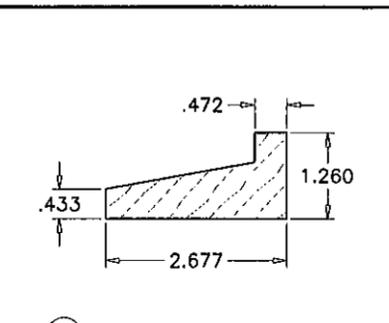
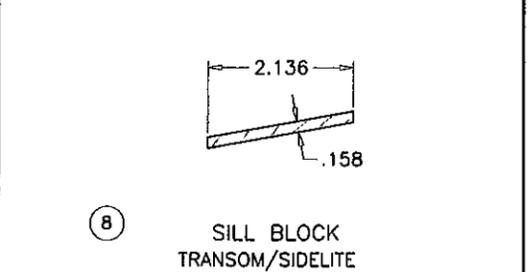
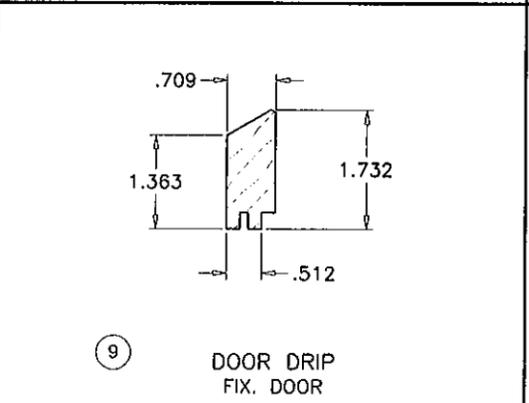
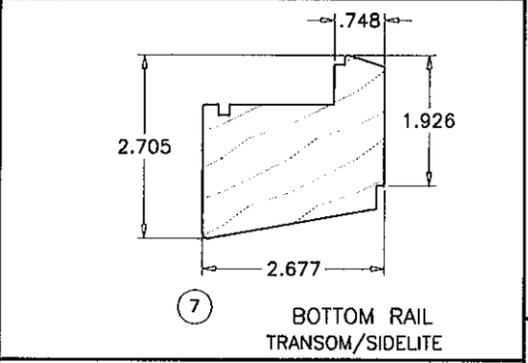
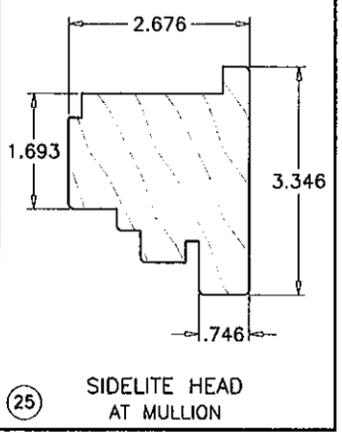
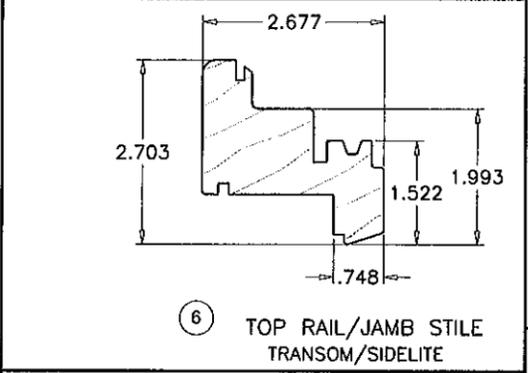
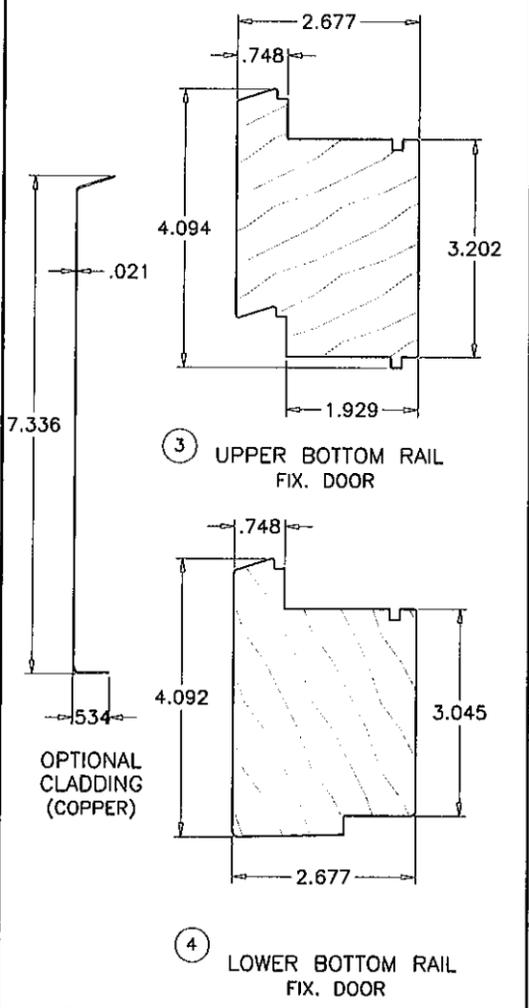
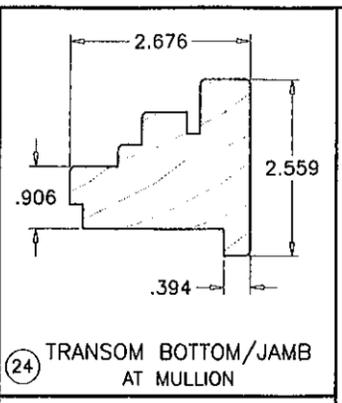
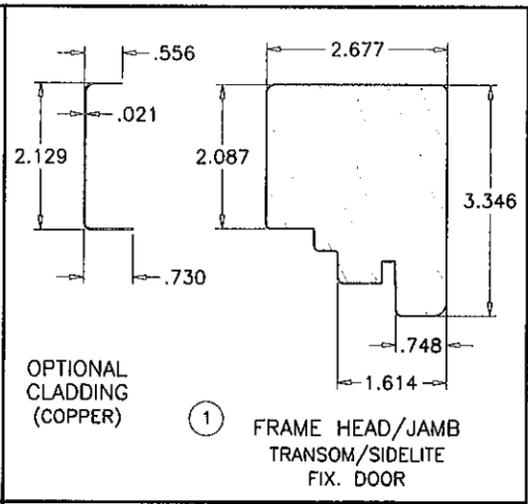
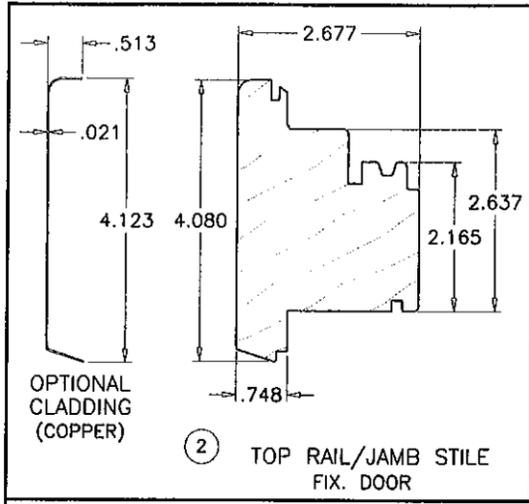
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL\W07-45HWD

SIDELITE/TRANSOM WINDOWS (L.M.I.)
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	03.26.09		NO CHANGE THIS SHEET
B	02.23.12		UPDATED TO 2010 FBC

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

drawing no.
W07-45
sheet 6 of 8



ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	-	3/	DOOR FRAME HEAD/JAMB	WOOD	MAHOGANY
2	-	2/	LEAF TOP RAIL/JAMB STILE (FIX. DOOR)	WOOD	MAHOGANY
3	-	1/	LEAF UPPER BOTTOM RAIL (FIX. DOOR)	WOOD	MAHOGANY
4	-	1/	LEAF LOWER BOTTOM RAIL (FIX. DOOR)	WOOD	MAHOGANY
5	-	1	FRAME SILL (FIX. DOOR)	WOOD	MAHOGANY
6	-	-	TOP RAIL/JAMB STILE (TRANSOM/SIDELITE)	WOOD	MAHOGANY
7	-	-	BOTTOM RAIL (TRANSOM/SIDELITE)	WOOD	MAHOGANY
8	-	-	SILL BLOCK (TRANSOM/SIDELITE)	WOOD	MAHOGANY
9	-	1	LEAF DOOR DRIP (FIX. DOOR)	WOOD	MAHOGANY
10	-	4/	LEAF GLAZING STOP (LAM. GLASS)	WOOD	MAHOGANY
10A	-	4/	LEAF GLAZING STOP (INSUL. LAM. GLASS)	WOOD	MAHOGANY
10B	-	4/	LEAF GLAZING STOP (WOOD PANEL)	WOOD	MAHOGANY
11	-	1	FRAME SILL (FIX. DOOR)	WOOD	MAHOGANY
12	-	1	THRESHOLD (FIX. DOOR)	BRASS	-
13	-	AS REQD.	THERMOPLASTIC BULB GASKET	VINYL	OLIMPIA
14	995	AS REQD.	RAIL/STILE SEAL	SILICONE	DOW CORNING
15	1500450	AS REQD.	THERMOPLASTIC GASKET	VINYL	OLIMPIA
16	1500430	AS REQD.	THERMOPLASTIC GASKET	VINYL	OLIMPIA
17	1500512	AS REQD.	THERMOPLASTIC GASKET	-	OLIMPIA
18	V992	AS REQD.	NORTON NORSEAL TAPE	-	TOTAL PLASTICS
19	-	AS REQD.	FILLER BLOCK	WOOD	MAHOGANY
20	-	AS REQD.	18 GA. X 1-1/2" BRAD NAILS	-	3" FROM ENDS & 8" O.C.
21	-	AS REQD.	18 GA. X 1" BRAD NAILS	-	3" FROM ENDS & 12" O.C.
22	-	AS REQD.	#12 X 3-1/2" SCREWS	-	8" FROM ENDS & 8" O.C.
23	-	AS REQD.	#12 X 4" SCREWS	-	8" FROM ENDS & 8" O.C.
24	-	AS REQD.	TRANSOM BOTTOM/JAMB (AT MULLION)	WOOD	MAHOGANY
25	-	AS REQD.	SIDELITE HEAD (AT MULLION)	WOOD	MAHOGANY

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

MAR 27 2012

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0402.09
Expiration Date Nov. 15, 2017

By *Mameez*
Miami Dade Product Control

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\W07-45HWD

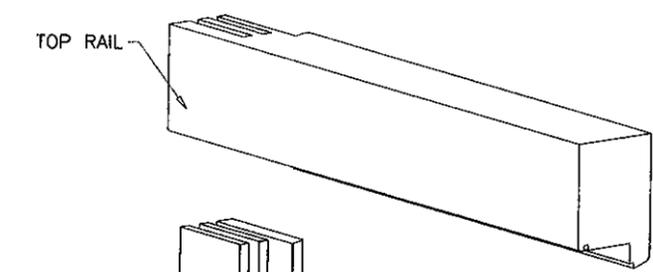
SIDELITE/TRANSOM WINDOWS (L.M.I.)
HARTMAN WINDOWS & DOORS, LLC
531 SOUTHERN BLVD.
WEST PALM BEACH, FL 33405
TEL. (561) 296-9600 FAX. (561) 296-9601

revisions:

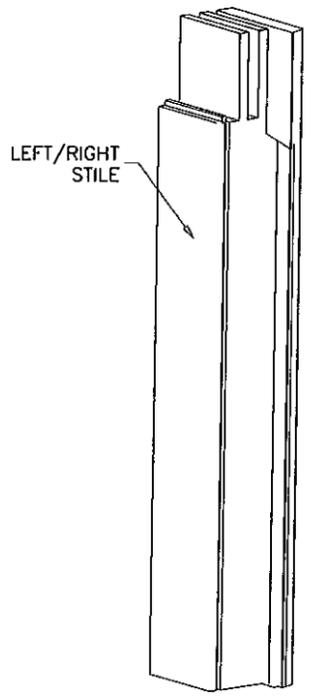
no	date	description
A	03.26.09	NO CHANGE THIS SHEET
B	02.23.12	NO CHANGE THIS SHEET

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

drawing no.
W07-45
sheet 7 of 8

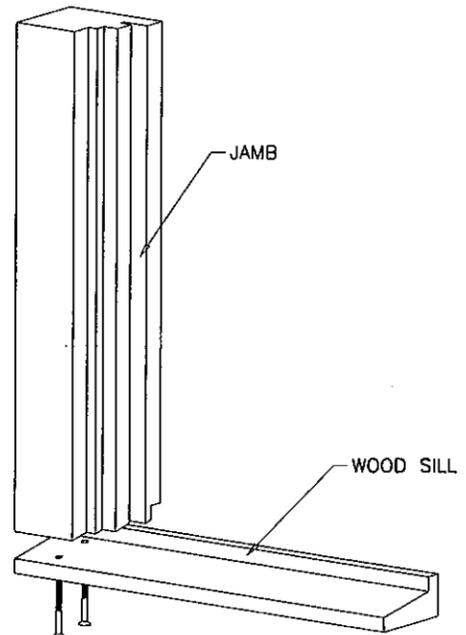


TOP RAIL



LEFT/RIGHT STILE

JAMB TOP CORNER

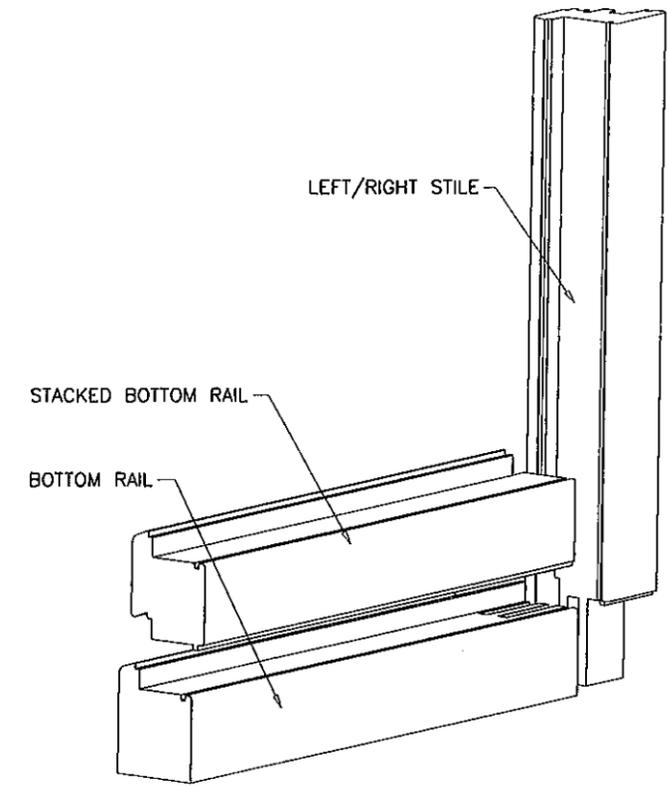


JAMB

WOOD SILL

#12 X 2-1/2" FH WOOD SCREWS

JAMB BOTTOM: HALF LAP SECURED WITH #12X2-1/2 s.s. SCREWS NP-1 GLUE

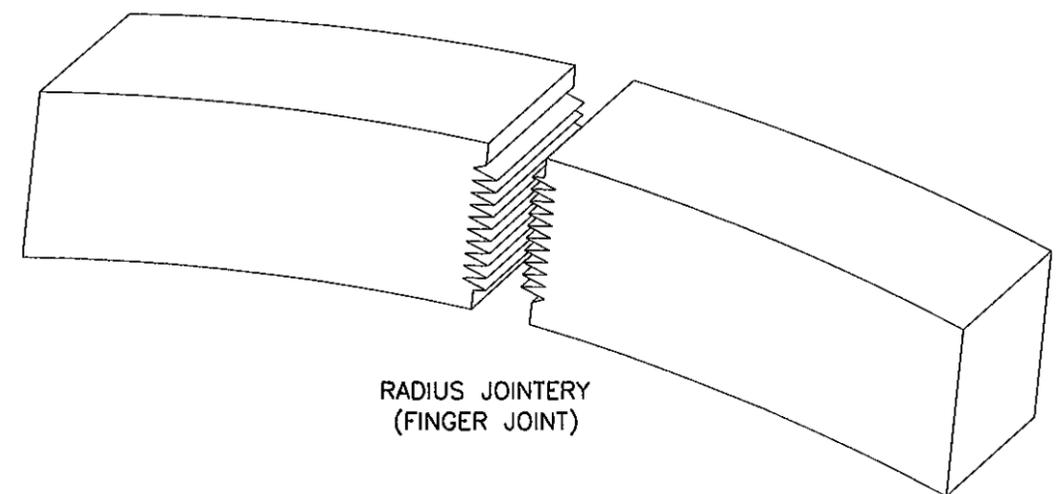


LEFT/RIGHT STILE

STACKED BOTTOM RAIL

BOTTOM RAIL

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



RADIUS JOINTERY (FINGER JOINT)

Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
 C.A.N. 3538
 MAR 27 2012

PRODUCT REVISED as complying with the Florida Building Code
 Acceptance No 12-0402.09
 Expiration Date Nov 15, 2017
 By *Mansel*
 Miami/Dade Product Control

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\W07-45HWD

SIDELITE/TRANSOM WINDOWS (L.M.I.)
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	03.26.09		NO CHANGE THIS SHEET
B	02.23.12		NO CHANGE THIS SHEET

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

drawing no.
W07-45
 sheet 8 of 8