



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
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/pera/

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 "European" 10'0" W/E Outswing Glazed Wood French Door- L.M.I

APPROVAL DOCUMENT: Drawing No. **W07-16 Rev D**, titled "Series European Outswing Wood Patio Door (L.M.I.)", sheets 1 through 9 of 9, prepared by Al-Farooq Corporation, dated JUL 30, 2012, 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 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 **revises & renews** NOA # **09-0518.01** and consists of this page 1 and evidence pages E-1 , as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P.E.**



Jaime D. Gascon
7/31/12

NOA No 12-0402.07
Expiration Date: October 04, 2017
Approval Date: August 09, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections (Submitted under file # **09-0518.01**)
2. Drawing No. **W07-16 Rev D**, titled "Series European Outswing Wood Patio Door (L.M.I.)", sheets 1 through 9 of 9, prepared by Al-Farooq Corporation, dated JUL 30, 2012, signed and sealed by Javad Ahmad, P.E.

B. TESTS (Submitted under file # **09-0518.01)**

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.

along with marked-up drawings and installation diagram, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4941**, dated December 11, 2006, Test Report No. **FTL-4944**, dated November 14, 2006 and Test Report No. Test Report No. **FTL-4969**, dated August 21, 2006, all signed and sealed by Edmundo Largaespada, P. E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2010, prepared by Al Farooq Corporation, dated 03/07/12, signed & sealed by Javad Ahmad, P.E.
2. Glazing complies w/ ASTM E-1300-02 & -04

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11-0624.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass ® Interlayer**", expiring on 01/14/17.
2. Notice of Acceptance No. **08-0520.08** issued to Solutia Inc. for their "**Vanceva Composites Glass Interlayer**" dated 7/17/08, expiring on 12/11/13.
3. Notice of Acceptance No. **11-0624.01** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont PVB Butacite ®**", expiring on 12/11/16.

F. STATEMENTS

1. Statement letter of conformance and letter of no financial interest, prepared by Al Farooq Corporation, dated 02/13/12, signed and sealed by Javad Ahmad, P.E.
2. Lab compliance as part of the above referenced test report.

G. OTHER

1. This NOA revises & renews NOA # **09-0518.01**, expiring on October 04, 2012.
2. Test proposal, dated 07/03/06, approved by BCCO.



Jaime D. Gascon, P.E.
Product Control Section Supervisor
NOA No 12-0402.07
Expiration Date: October 04, 2017
Approval Date: August 09, 2012

FOR DESCRIPTION AND LOCATION OF LOCKS AND HINGES SEE SHEET 4.

NUMBER OF ANCHORS AT MTG. STILE HEAD ENDS				
MAX. HEIGHT	MAX. WIDTH	THRU DOOR FRAME	THRU STRAP CLIP	THRU CONT. ANGLE
10 FT	6 FT	6	8	10
	8 FT	7	9	14

FALSE MUNTINS MAY BE USED

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

EUROPEAN OUTSWING WOOD PATIO DOOR

SEE SHEET 2 FOR DESIGN LOAD RATINGS.

APPROVAL APPLIES TO SINGLE (X) AND DOUBLE (XX) LEAF DOORS. ALSO SINGLE AND DOUBLE DOORS IN COMBINATION WITH SIDELITES USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. ALSO SINGLE AND DOUBLE DOORS WITH OR WITHOUT SIDELITES IN COMBINATION WITH TRANSOMS USING MIAMI-DADE COUNTY APPROVED MULLION IN BETWEEN.

LOWER DESIGN PRESSURES FROM DOOR, SIDELITE OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

USE THRESHOLD (B) FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

THRESHOLD (B1) MAY BE USED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED.

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

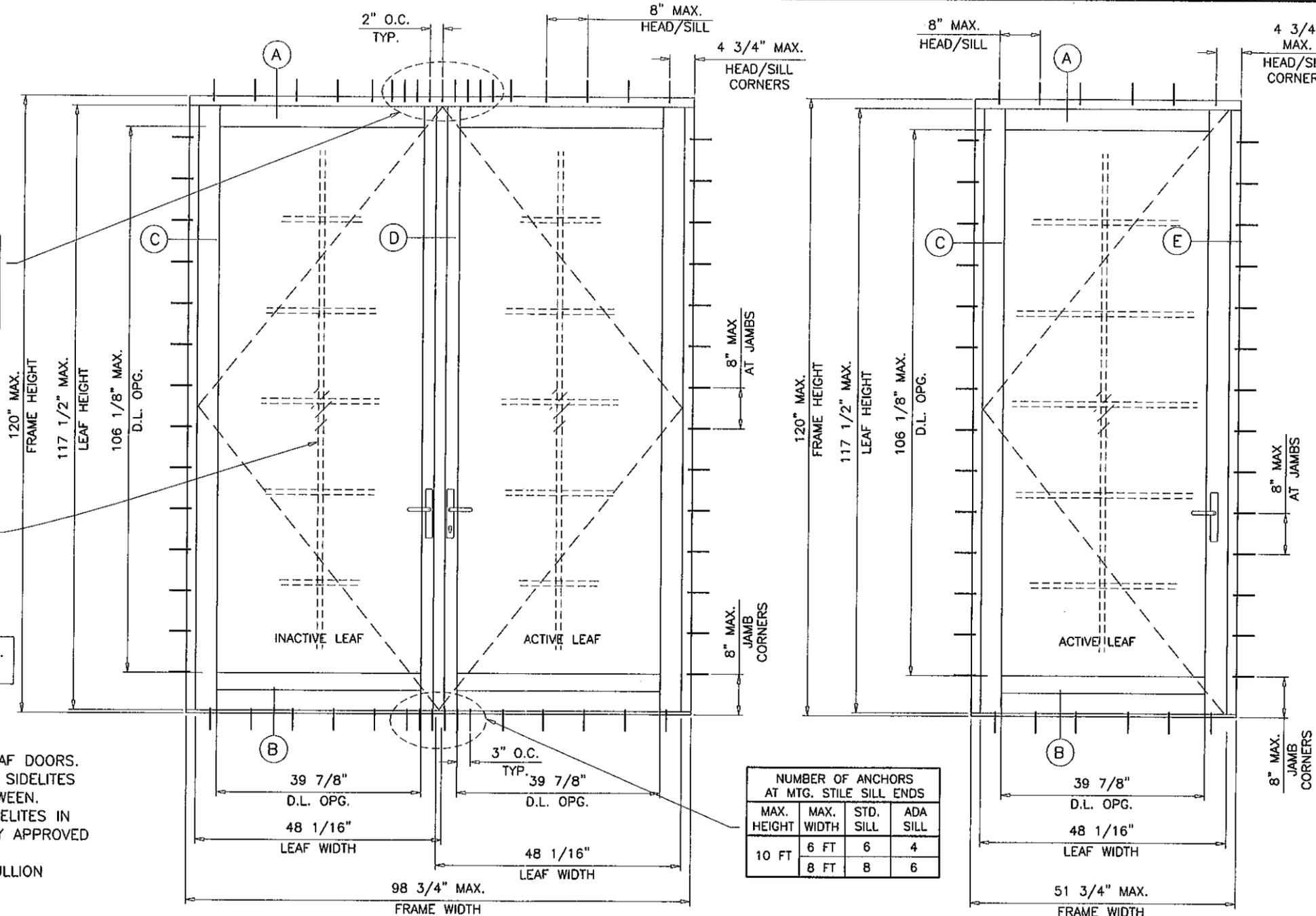
1BY OR 2BY WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

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.



NUMBER OF ANCHORS AT MTG. STILE SILL ENDS			
MAX. HEIGHT	MAX. WIDTH	STD. SILL	ADA SILL
10 FT	6 FT	6	4
	8 FT	8	6

TYPICAL ELEVATIONS

DOORS CAN BE INSTALLED WITH ANY OF THE FOLLOWING OPTIONS

- OPTION 1: BY USING FASTENERS THRU DOOR 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.
- ADDL. ANCHORS REQD. AT DOUBLE DOORS MTG. STILE LOCATIONS, SEE ELEVATION ABOVE.
- SEE SHEETS 4 THRU 7 FOR DETAILS.

THE APPROVED PRODUCTS NOTED HEREIN ARE EXEMPT FROM PRESERVATIVE TREATMENT PER 2326.2.1 OF THE FLORIDA BUILDING CODE WHICH EXEMPTS WOOD SPECIES LISTED AS 'DURABLE'. THE SPECIFIC PRODUCTS HEREIN ARE EXEMPTED HONDURAN MAHOGANY-SWietenia macrophylla OR EQUIVALENT SPECIES BASED ON USDA LISTING AND MUST HAVE A SPECIFIC GRAVITY EQUAL TO OR HIGHER THAT THE REFERENCED SPECIES.

Engr: JAVAD, AHMAD
CIVIL
FLA. PE # 70502
C.A.N. 3538

JUL 30 2012

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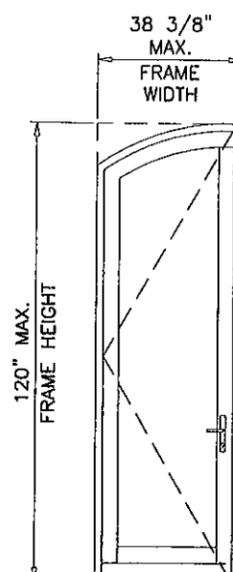
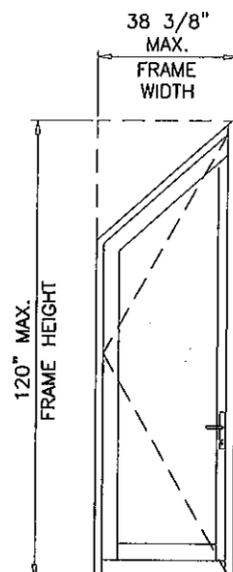
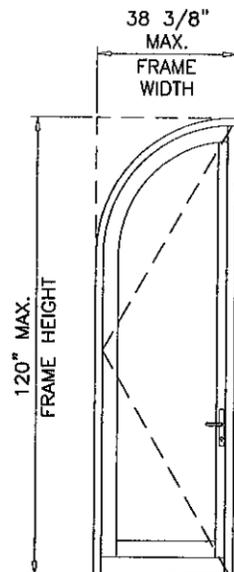
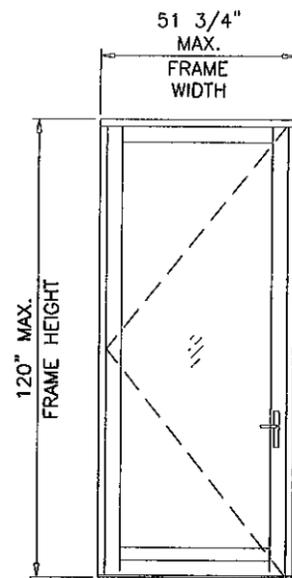
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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MIAMI, FLORIDA 33174
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COMP -ANL\W07-16HWD

EUROPEAN OUTSWING WOOD PATIO DOOR (L.M.I.)
HARTMAN WINDOWS & DOORS, LLC
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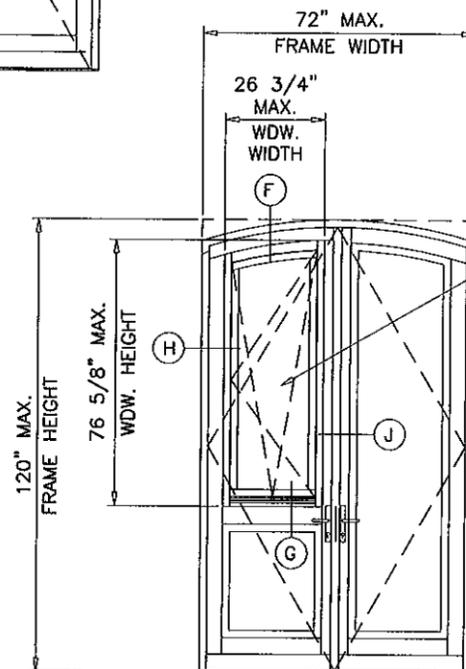
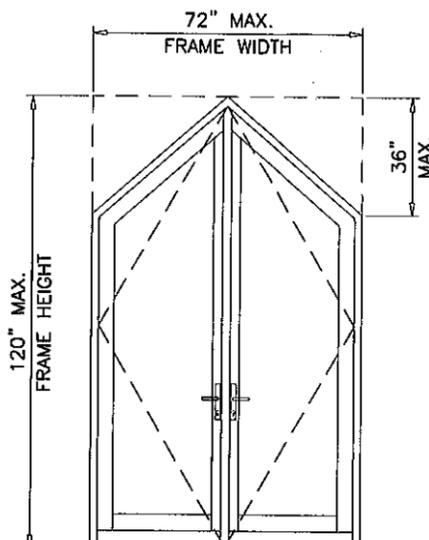
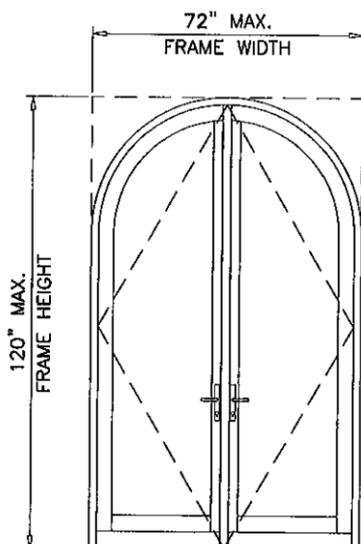
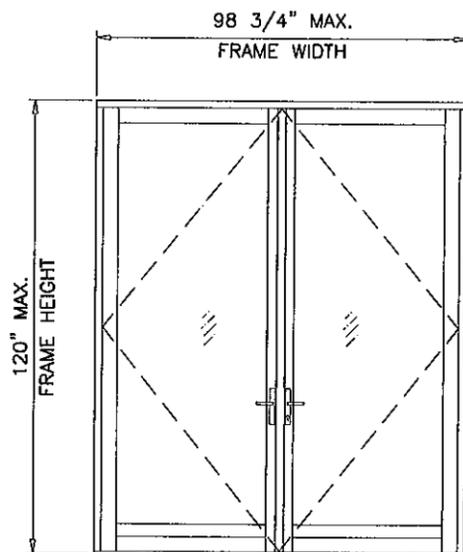
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B	04.13.09			REV. PER BCCO COMMENTS
C	08.18.09			UPDATED TO 2010 FBC
D	02.24.12			

date: 03-03-07
scale: 1/2" = 1'-0"
dr. by: HAMID
chk. by:

drawing no.
W07-16
sheet 1 of 9



SEE SHEET 1 FOR ANCHOR SPACING



DOOR LEAF WITH HARTMAN TILT & TURN CASEMENT WINDOW SEE SEPARATE NOA FOR WINDOW CAPACITY LOWER RATING OF CASEMENT WINDOW OR OUTSWING DOOR WILL CONTROL.

GLAZING TYPES 'F' & 'G' ONLY

GLAZING TYPES 'A' 'B' 'C' 'D' 'E' 'F' 'G' 'H' & 'I'

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

APPROVED CONFIGURATIONS

MAXIMUM DESIGN LOAD RATING = + 70.0 PSF
(FOR SIZES SHOWN ABOVE OR SMALLER) - 70.0 PSF
AS ALLOWED BY FBC

FOR DESCRIPTION AND LOCATION OF LOCKS AND HINGES SEE SHEET 4.

GLASS D.L.O. DIMS.

D.L.O. HEIGHT = FRAME HEIGHT - 13.875"
D.L.O. WIDTH (X DOORS) = FRAME WIDTH - 11.875"
D.L.O. WIDTH (XX DOORS) = (FRAME WIDTH - 19.00")/2

PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No 12-0402-07
Expiration Date 10/24/17
[Signature]
Miami Dade Product Control

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

[Signature]
JUL 30 2012

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-04 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

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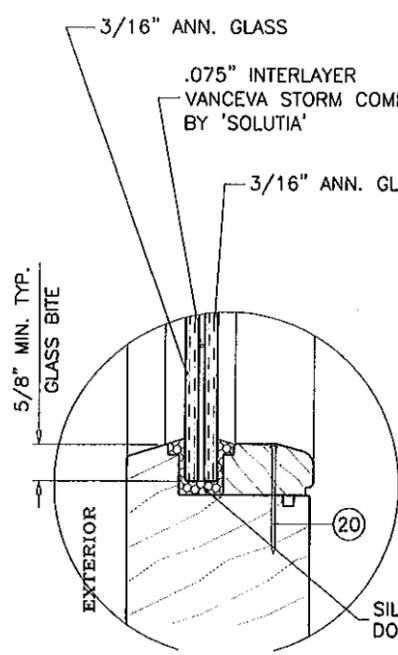
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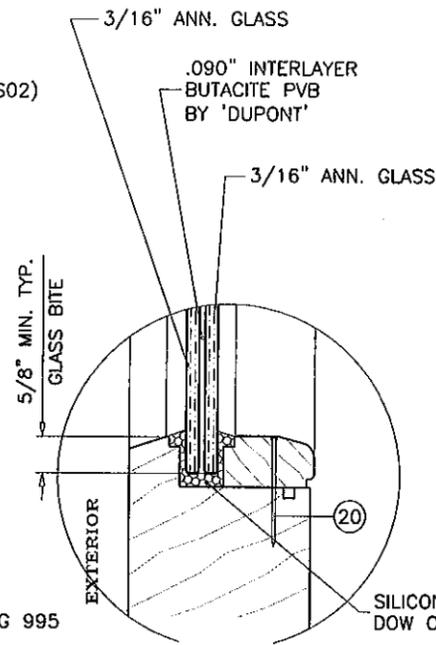
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scale: 1/4"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W07-16

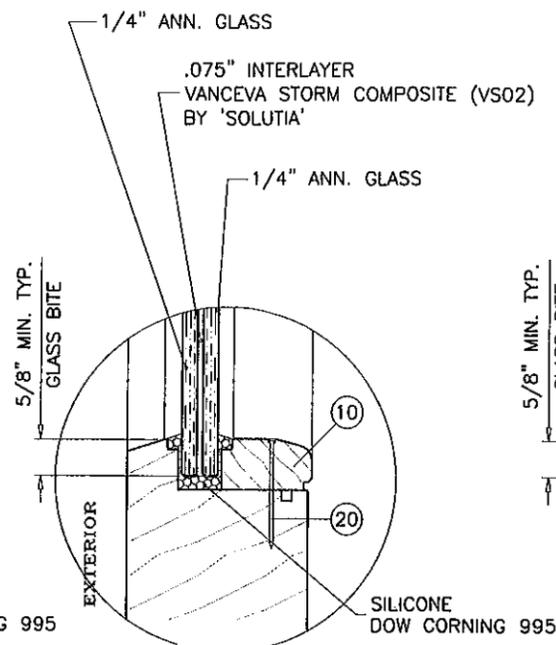
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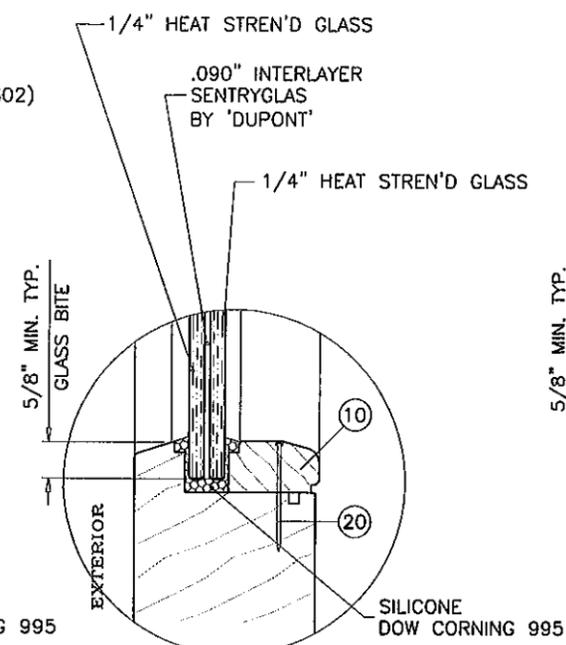
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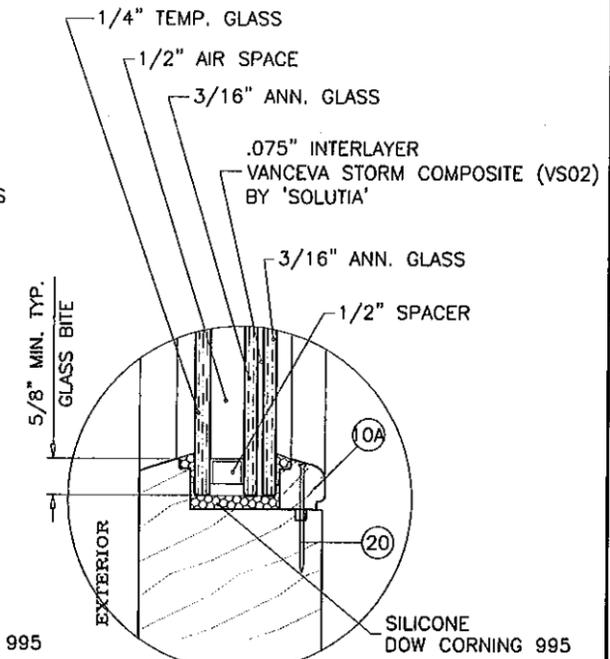
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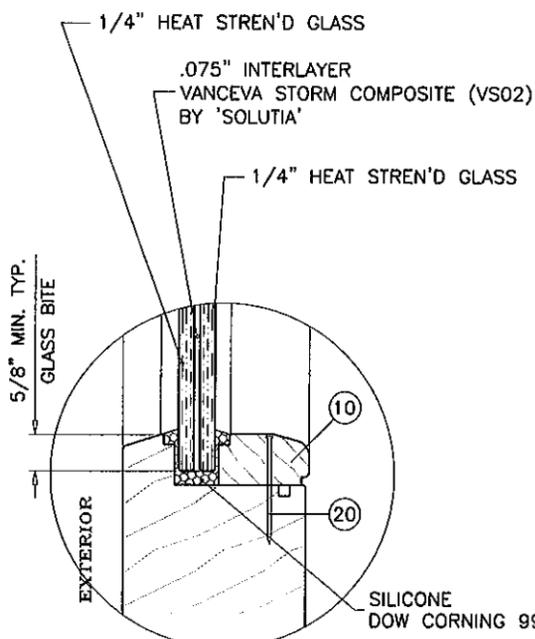
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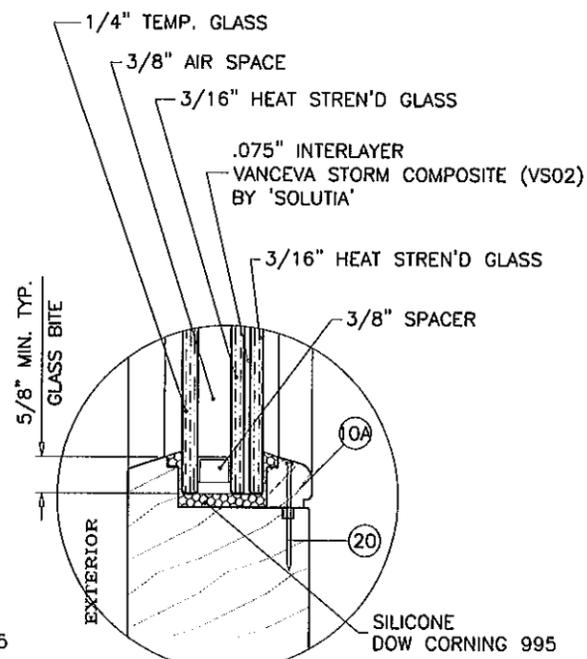
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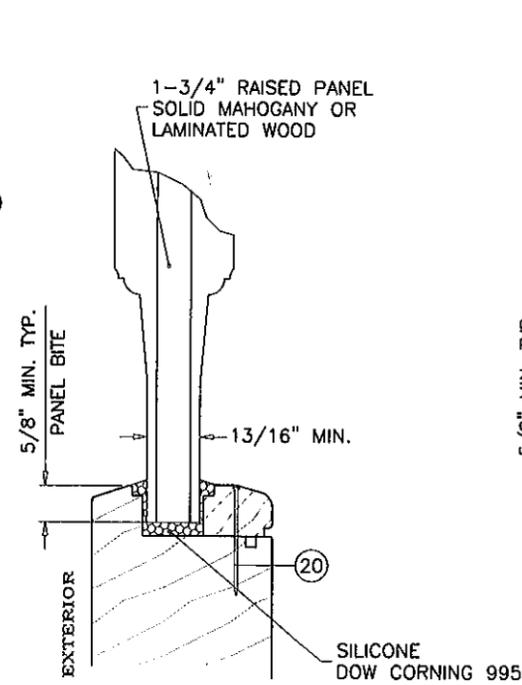
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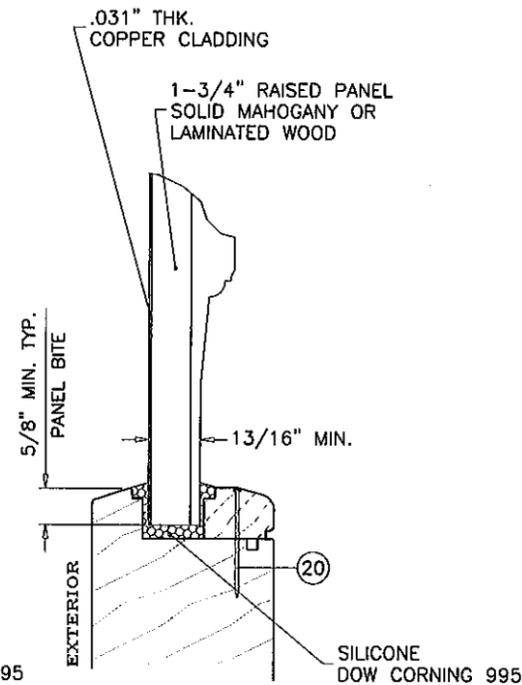
GLAZING TYPE 'F'



GLAZING TYPE 'G'



GLAZING TYPE 'H'



GLAZING TYPE 'I'

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 Miami Trade Product Council

GLAZING OPTIONS

Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
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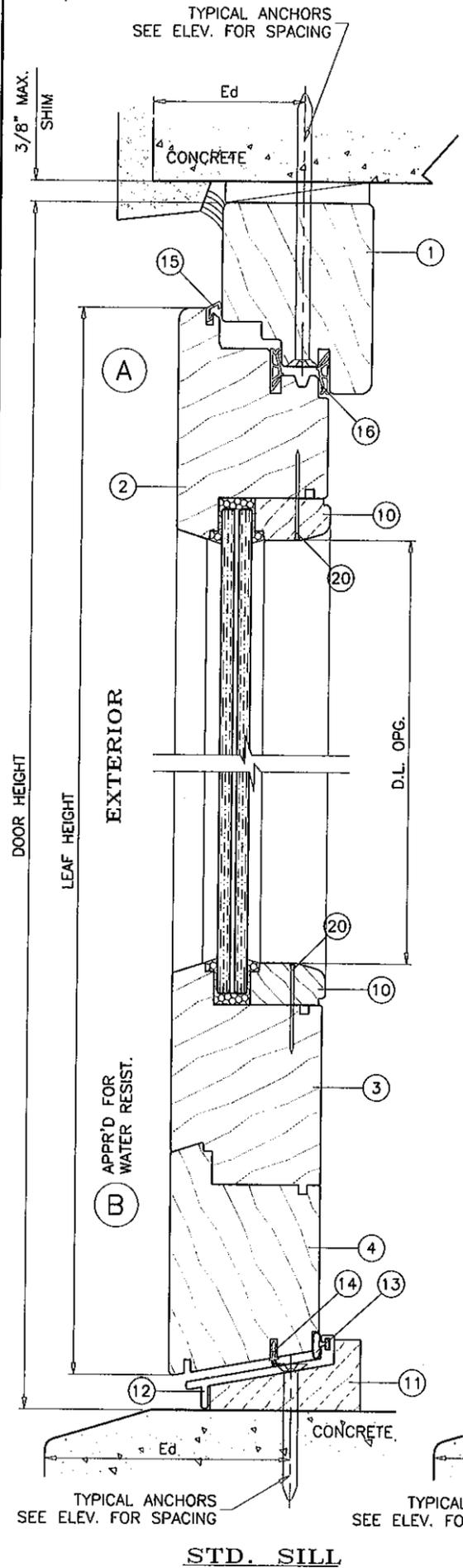
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AL-FAROOQ CORPORATION
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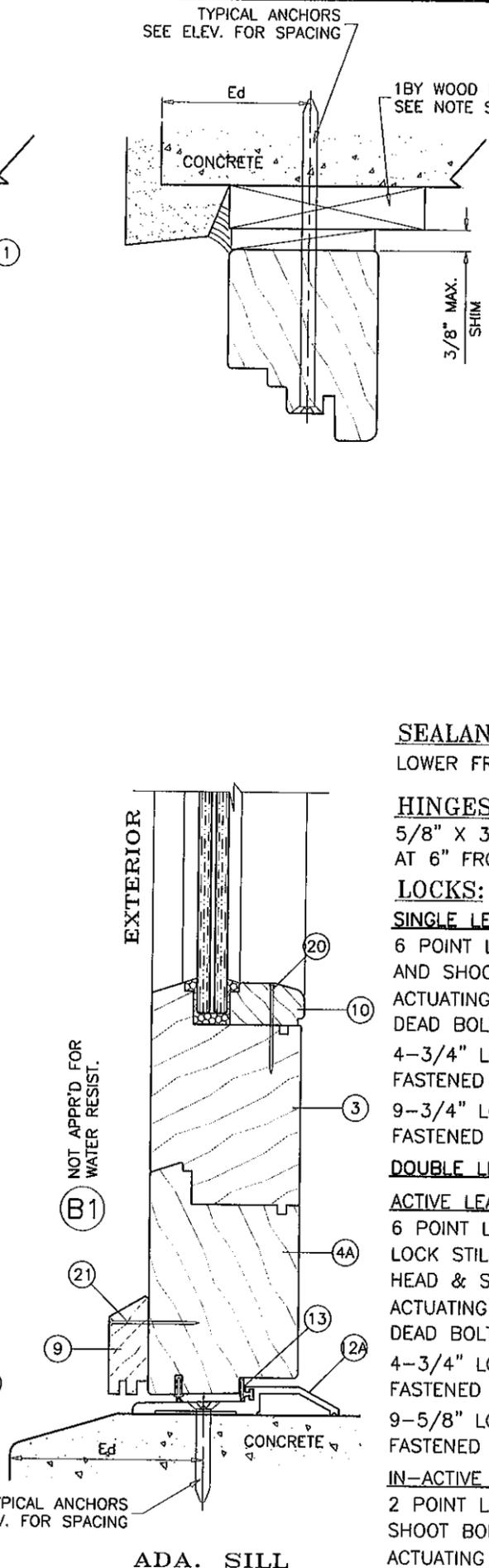
EUROPEAN OUTSWING WOOD PATIO DOOR (L.M.I.)
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 TEL. (561) 296-9600 FAX. (561) 296-9601

no.	date	description
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C	06-18-09	REV. PER BCCO COMMENTS
D	02-24-12	UPDATED TO 2010 FBC

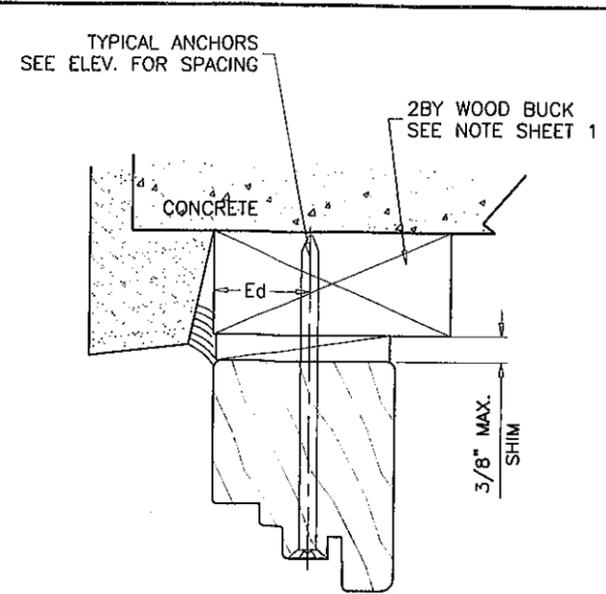
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 scale: 3/8" = 1"
 dr. by: HAMID
 chk. by:
 drawing no.
W07-16
 sheet 3 of 9



STD. SILL



ADA. SILL



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

TYPICAL ANCHORS

ANCHORS THRU DOOR FRAME

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)

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

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

Ed = 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" 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.

STRAP CLIP AND CONT. ALUM ANGLE INSTALLATION OPTIONS.
SEE SHEET 7 FOR DETAILS.

SEALANT:

LOWER FRAME CORNERS SEALED WITH SILICONE.

HINGES:

5/8" X 3-1/4" ST. STEEL TWO PIECE DRIVE-IN BARREL HINGES
AT 6" FROM TOP & BOTTOM AND 13-3/8" O.C. MAX.

LOCKS:

SINGLE LEAF DOORS

6 POINT LOCKING SYSTEM BY 'GU' WITH KEEPERS ON FRAME
AND SHOOT BOLTS ENGAGING SIMULTANEOUSLY AT HEAD & SILL
ACTUATING HANDLE AT 37" FROM BOTTOM.
DEAD BOLT LOCK AT 33-1/2" FROM BOTTOM.

4-3/4" LONG KEEPERS AT 19-1/2" AND 83" FROM BOTTOM
FASTENED W/ (2) #8 X 1-1/4" FH SMS

9-3/4" LONG KEEPER AT 38" FROM BOTTOM
FASTENED W/ (3) #8 X 1-1/4" FH SMS

DOUBLE LEAF DOORS

ACTIVE LEAF:

6 POINT LOCKING SYSTEM BY 'GU' WITH KEEPERS ON IN-ACTIVE
LOCK STILE AND SHOOT BOLTS ENGAGING SIMULTANEOUSLY AT
HEAD & SILL.

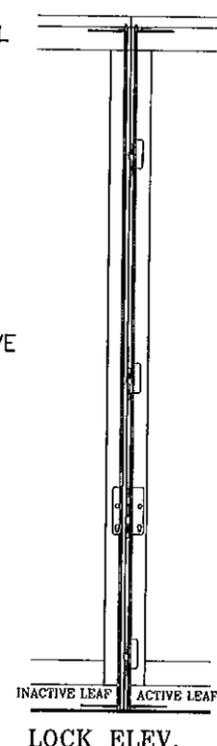
ACTUATING HANDLE AT 37" FROM BOTTOM.
DEAD BOLT LOCK AT 33-1/2" FROM BOTTOM.

4-3/4" LONG KEEPERS AT 19" AND 53-1/2" FROM BOTTOM
FASTENED W/ (2) #8 X 1-3/4" FH SMS

9-5/8" LONG KEEPER AT 39-1/2" FROM BOTTOM
FASTENED W/ (3) #8 X 1-3/4" FH SMS

IN-ACTIVE LEAF:

2 POINT LOCKING SYSTEM BY 'GU' WITH
SHOOT BOLTS ENGAGING SIMULTANEOUSLY AT HEAD & SILL
ACTUATING HANDLE AT 39" FROM BOTTOM.



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CIVIL
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[Signature]
Miami Gate Product Control

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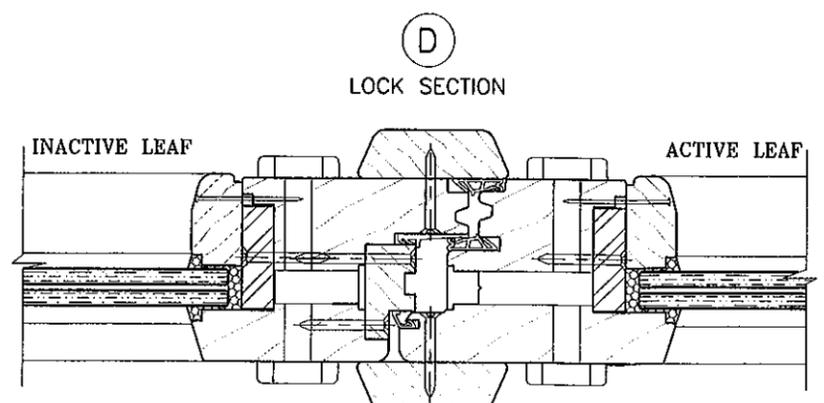
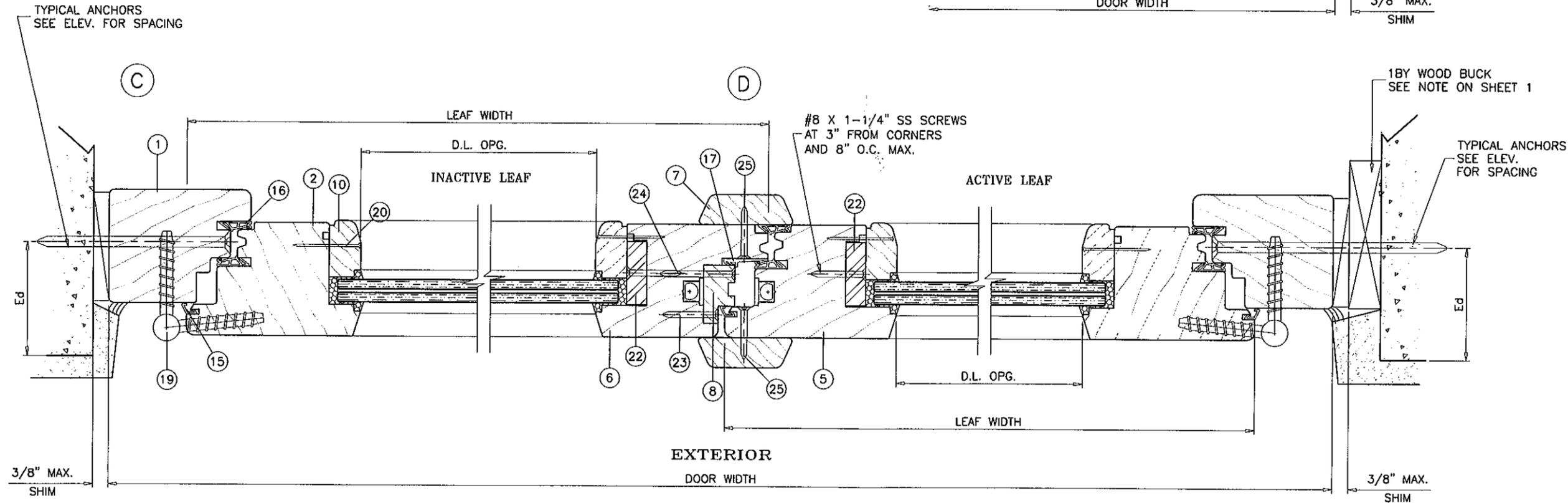
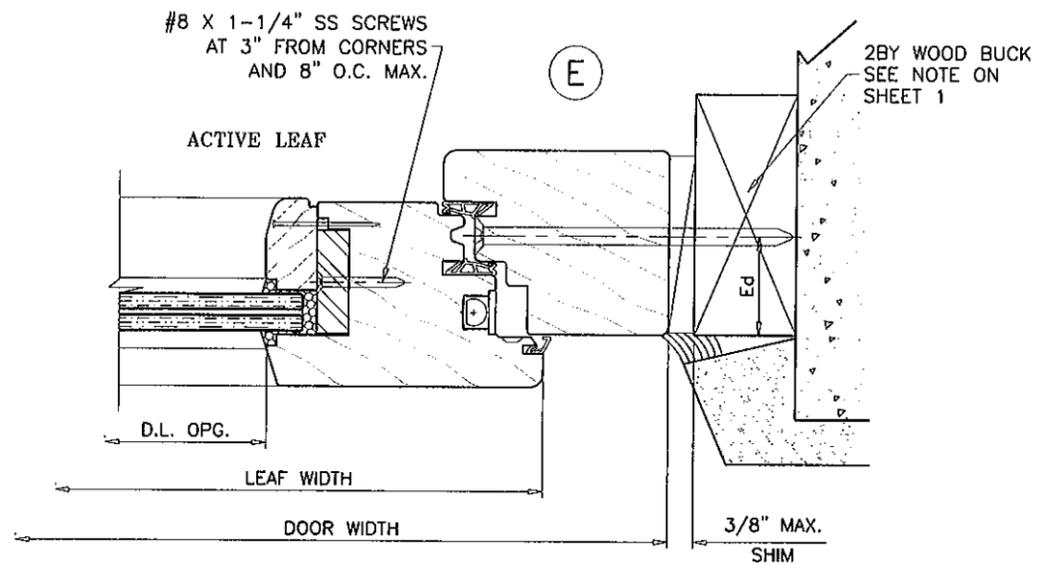
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scale: 3/8" = 1"
dr. by: HAMID
chk. by:

drawing no.
W07-16

sheet 4 of 9

FOR DOOR FRAME INSTALLATION WITH STRAP CLIPS OR CONT. ALUM ANGLE SEE SHEET 7 FOR DETAILS.



SEE SHEET 4 FOR LOCK DESCRIPTION.

PRODUCT REVISED as complying with the Florida Building Code
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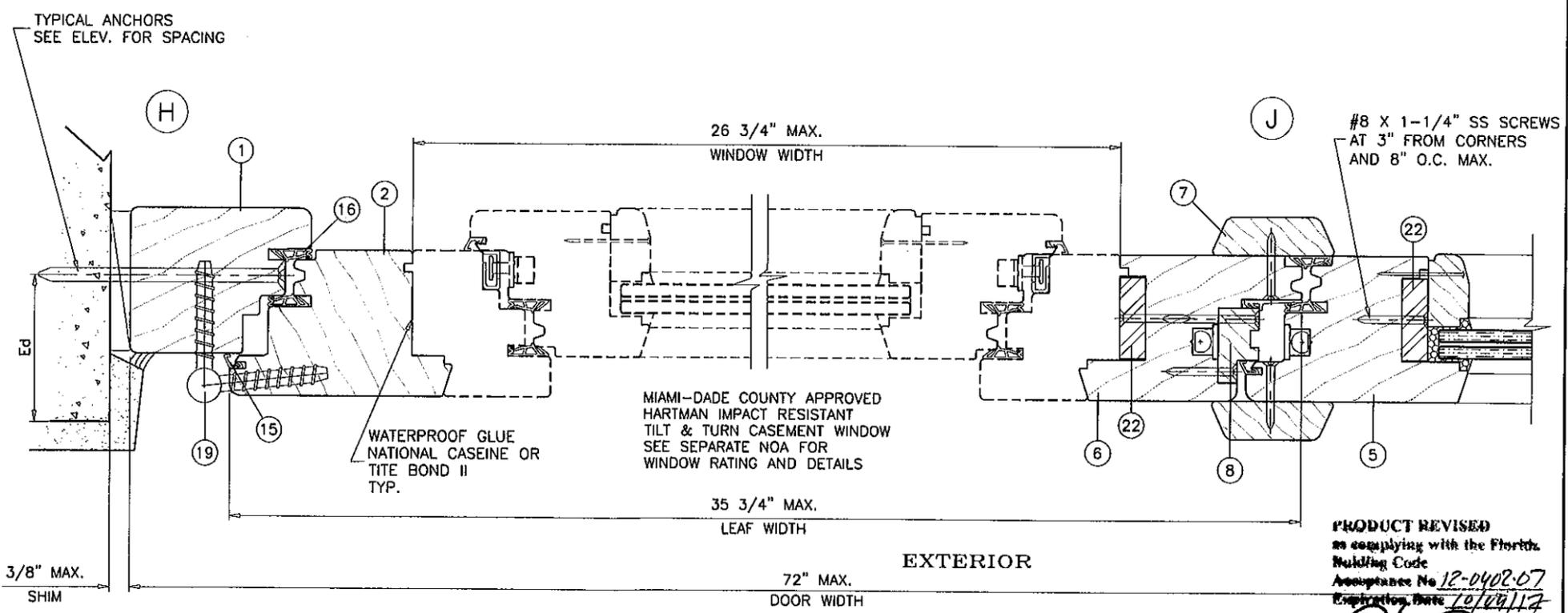
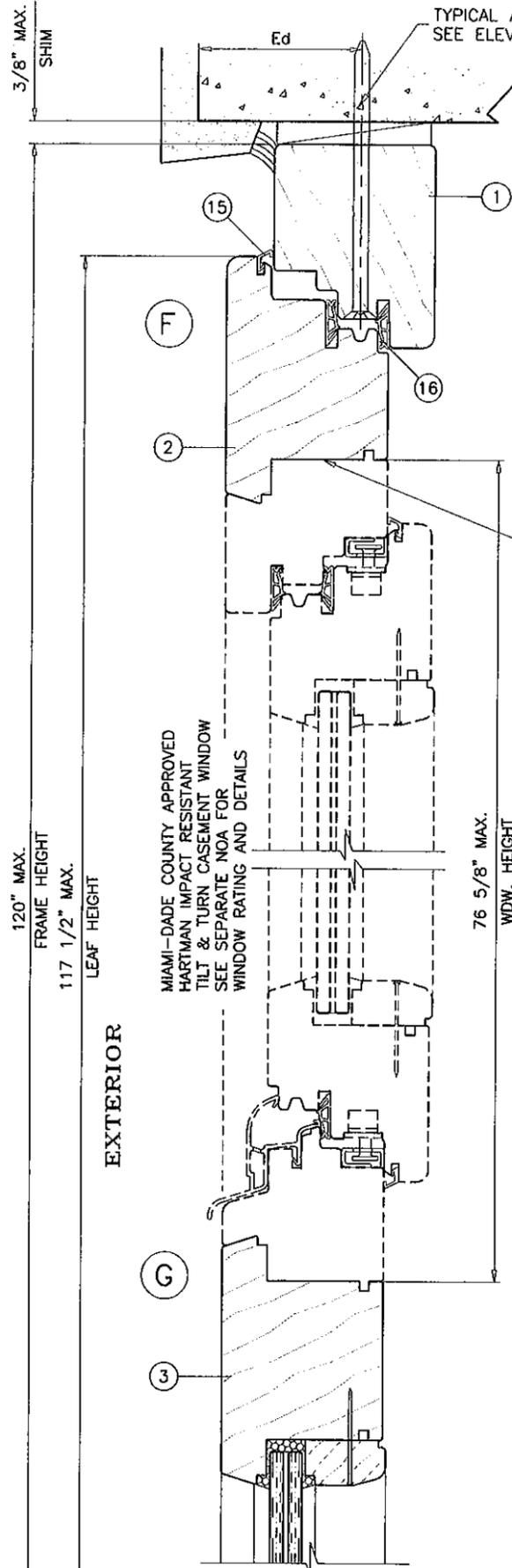
EUROPEAN OUTSWING WOOD PATIO DOOR (L.M.I.)
HARTMAN WINDOWS & DOORS, LLC
 531 SOUTHERN BLVD.
 WEST PALM BEACH, FL 33405
 TEL. (561) 296-9600 FAX. (561) 296-9601

no	date	by	description
A	09.04.07		REV. PER BCCO COMMENTS
B	04.13.09		NO CHANGE THIS SHEET
C	08.18.09		REV. PER BCCO COMMENTS
D	02.24.12		NO CHANGE THIS SHEET

date: 03-03-07
 scale: 3/8" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W07-16

sheet 5 of 9



WATERPROOF GLUE
NATIONAL CASEINE OR
TITE BOND II
TYP.

WATERPROOF GLUE
NATIONAL CASEINE OR
TITE BOND II
TYP.

MIAMI-DADE COUNTY APPROVED
HARTMAN IMPACT RESISTANT
TILT & TURN CASEMENT WINDOW
SEE SEPARATE NOA FOR
WINDOW RATING AND DETAILS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0402-07
Expiration Date 10/04/17
Javad Ahmad
Javad Ahmad Product Control

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

Javad Ahmad
JUL 30 2012

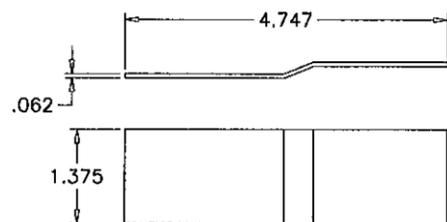
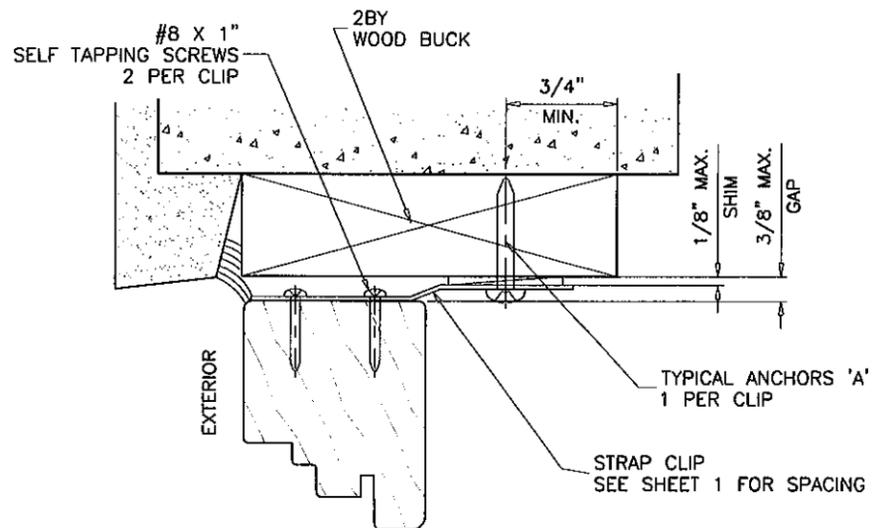
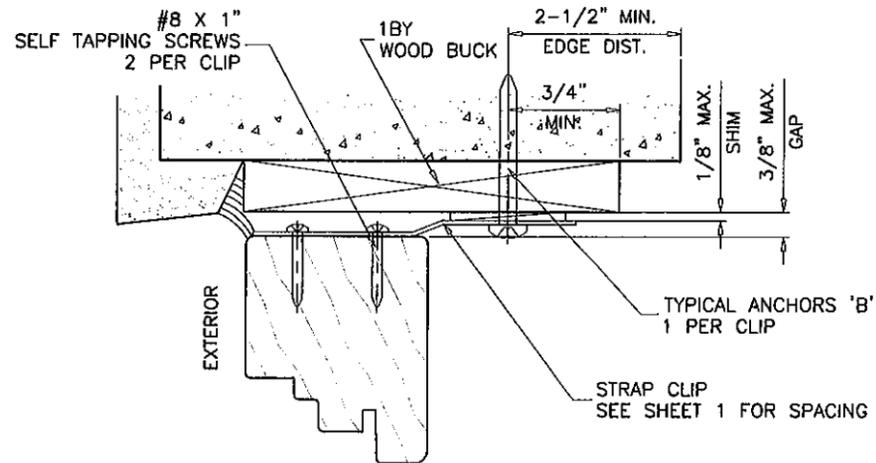
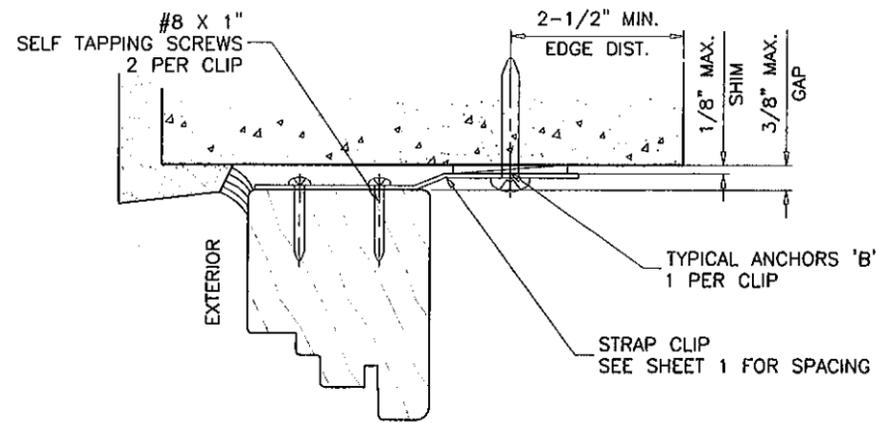
afc
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL\W07-16HWD

EUROPEAN OUTSWING WOOD PATIO DOOR (L.M.I.)
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531 SOUTHERN BLVD.
WEST PALM BEACH, FL 33405
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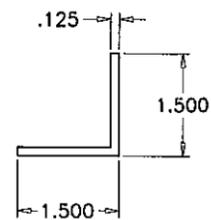
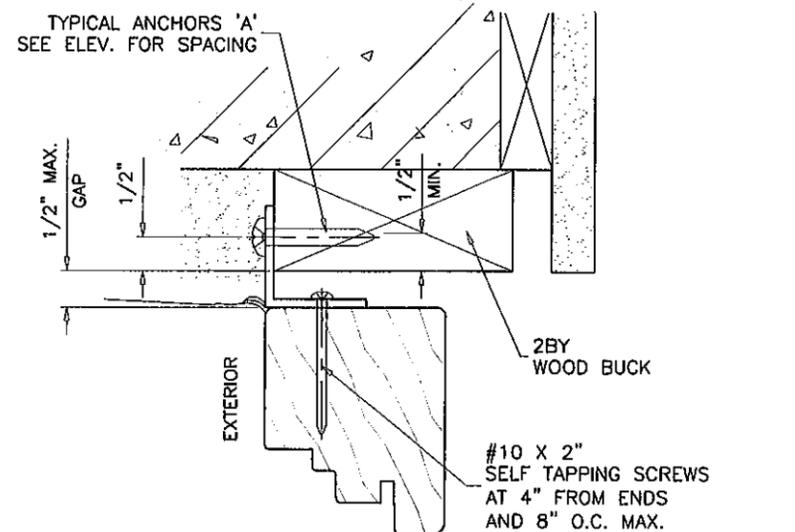
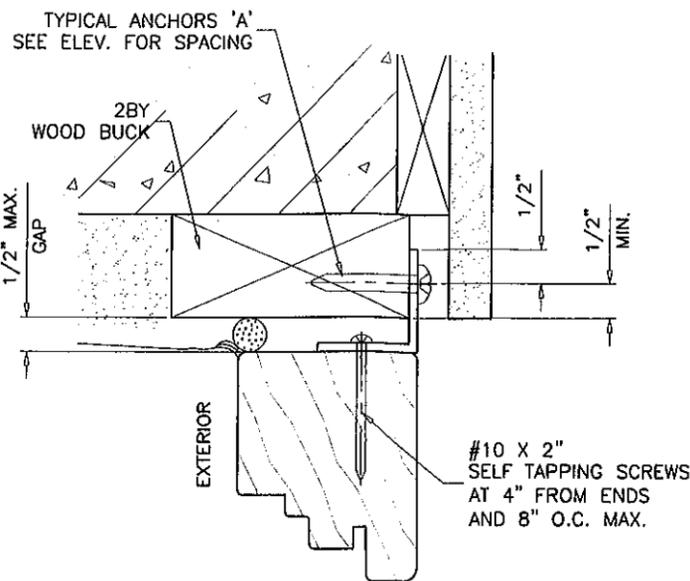
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dr. by: HAMID
chk. by:

drawing no.
W07-16
sheet 6 of 9



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



ALUMINUM ANGLE CONT.
 (6063-T5)

TYPICAL ANCHORS

ANCHORS THRU STRAP CLIPS & ALUM ANGLE

- 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)
 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
- ANCHORS CL TO CL DISTANCE**
 INTO CONCRETE AND MASONRY = 2" 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.

PRODUCT REVIEWED
 as complying with the Florida
 Building Code
 Acceptance No. 12-0402-07
 Expiration Date 10/09/17

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

JUL 30 2012

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\W07-16HWD

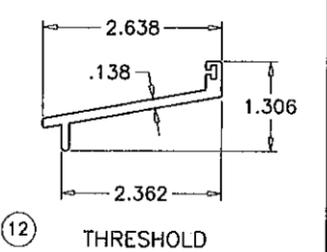
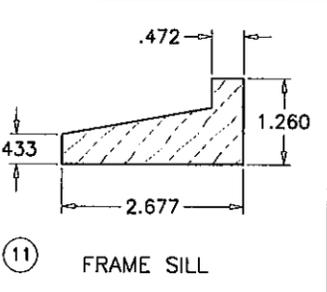
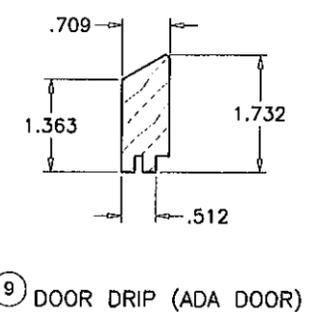
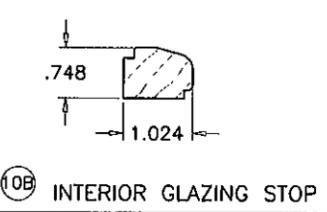
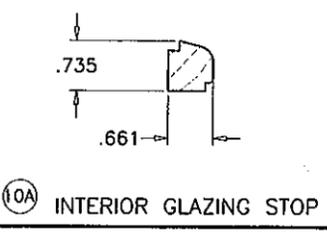
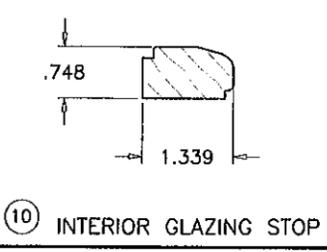
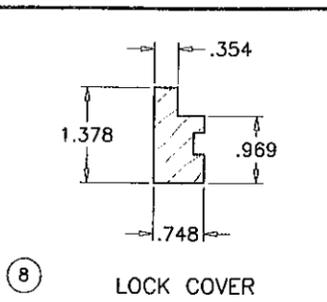
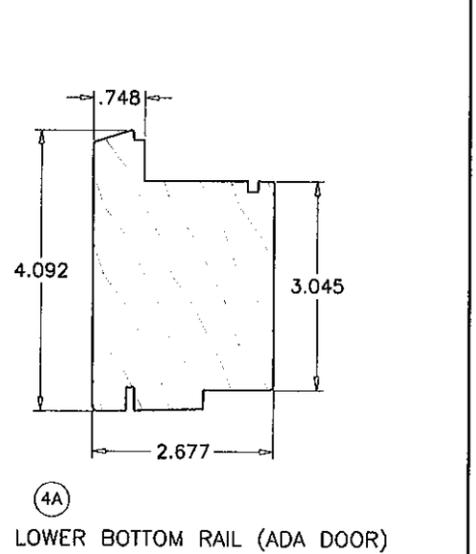
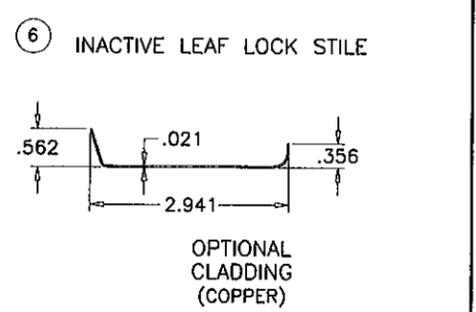
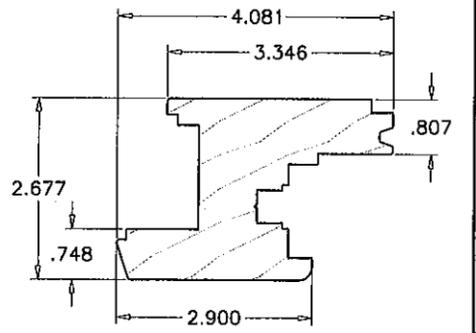
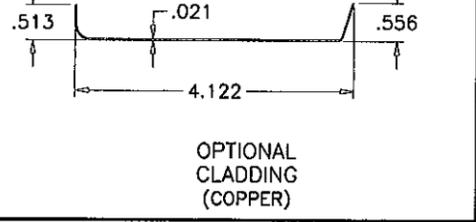
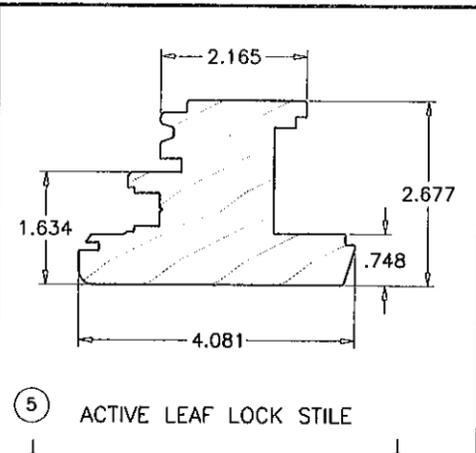
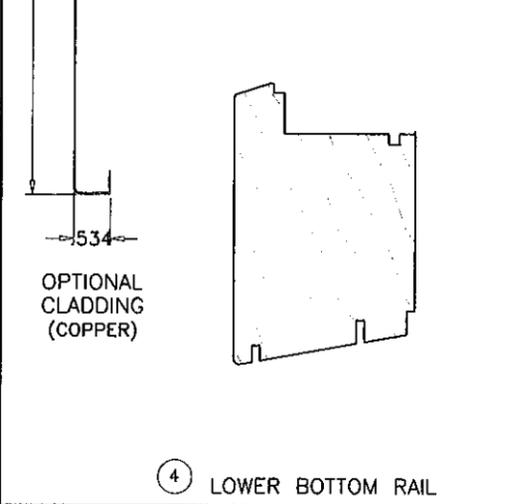
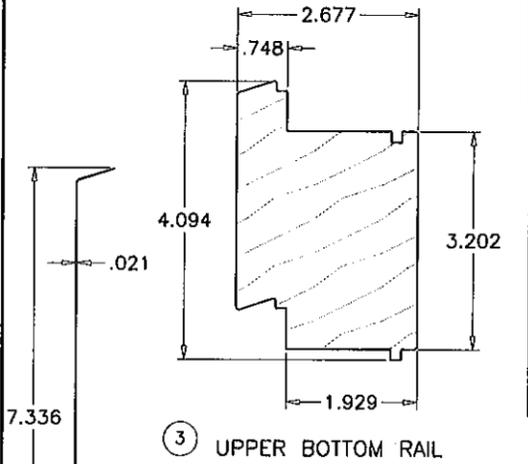
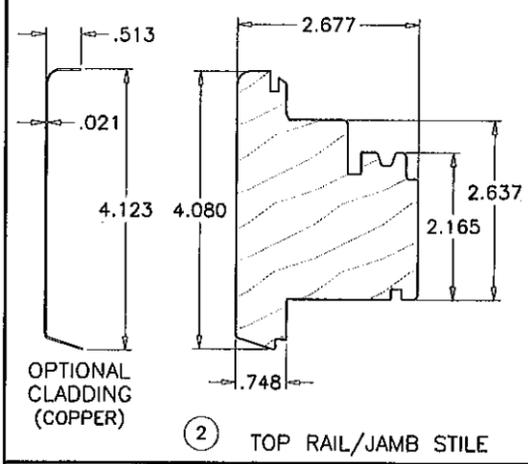
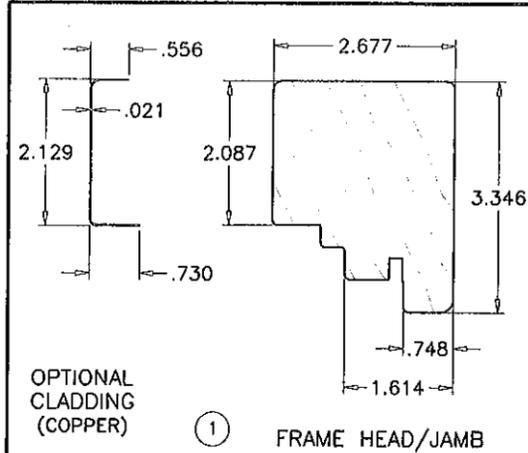
EUROPEAN OUTSWING WOOD PATIO DOOR (L.M.I.)
HARTMAN WINDOWS & DOORS, LLC
 531 SOUTHERN BLVD.
 WEST PALM BEACH, FL 33405
 TEL. (561) 296-9600 FAX. (561) 296-9601

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D	02.24.12		UPDATED TO 2010 FBC

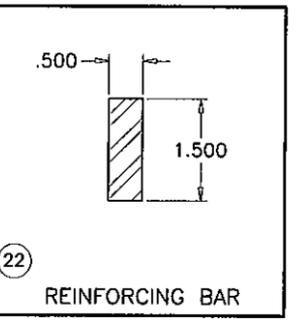
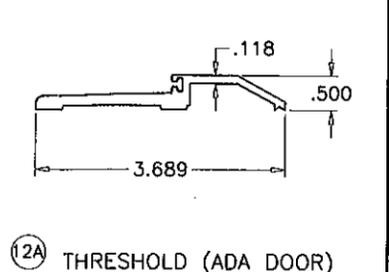
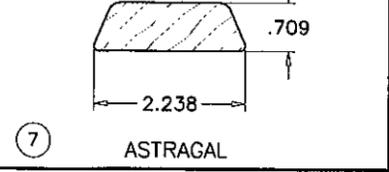
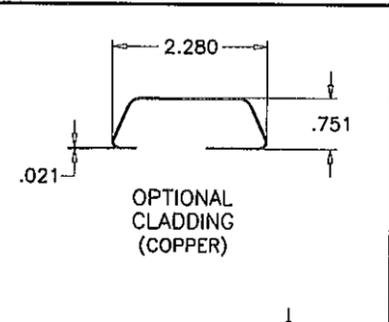
date: 03-03-07
 scale: 3/8" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W07-16

sheet 7 of 9



ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	-	3/	DOOR FRAME HEAD/JAMB	WOOD	MAHOGANY
2	-	2/	LEAF TOP RAIL/JAMB STILE	WOOD	MAHOGANY
3	-	1/	LEAF UPPER BOTTOM RAIL	WOOD	MAHOGANY
4	-	1/	LEAF LOWER BOTTOM RAIL	WOOD	MAHOGANY
4A	-	1/	LEAF LOWER BOTTOM RAIL (ADA DOOR)	WOOD	MAHOGANY
5	-	1/	LEAF ACTIVE LEAF LOCK STILE	WOOD	MAHOGANY
6	-	1/	LEAF INACTIVE LEAF LOCK STILE	WOOD	MAHOGANY
7	-	AS REQD.	ASTRAGAL	WOOD	MAHOGANY
8	-	AS REQD.	LOCK COVER	WOOD	MAHOGANY
9	-	1	LEAF DOOR DRIP	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	WOOD	MAHOGANY
12	-	1	THRESHOLD	BRASS	-
12A	-	1	THRESHOLD	ALUMINUM	-
13	-	AS REQD.	THERMOPLASTIC BULB GASKET	VINYL	OLIMPIA
14	-	AS REQD.	BRUSH WEATHERSTRIPPING	-	SCHLEGEL
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	-	6/	LEAF 5/8" X 3-1/4" ADJUSTABLE BARREL HINGE	ST. STEEL	-
20	-	AS REQD.	18 GA. X 1-1/2" BRAD NAILS	-	3" FROM ENDS & 8" O.C.
21	-	AS REQD.	18 GA. X 1-1/2" BRAD NAILS	-	3" FROM ENDS & 12" O.C.
22	-	-	REINFORCING BAR, FULL LENGTH	STEEL A36	-
23	-	AS REQD.	#8 X 1-1/4" SCREWS	-	2" FROM ENDS & 8" O.C.
24	-	AS REQD.	#8 X 1-3/4" SCREWS	-	2" FROM ENDS & 8" O.C.
25	-	AS REQD.	#8 X 1-1/4" SCREWS	-	6" FROM ENDS & 13-1/2" O.C.



TYPICAL WOOD-HONDURES MAHOGANY LUMBER
 SPECIFIC GRAVITY = 0.45 MIN.
 GRADE = 2 MIN.
 MOISTURE CONTENT = 19% MAX.

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

JUL 30 2012

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Amendment No. 12-0402.07
 Effective Date 10/04/11
 Manual Code Product Company

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\W07-16HWD

EUROPEAN OUTSWING WOOD PATIO DOOR (L.M.I.)
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 WEST PALM BEACH, FL 33405
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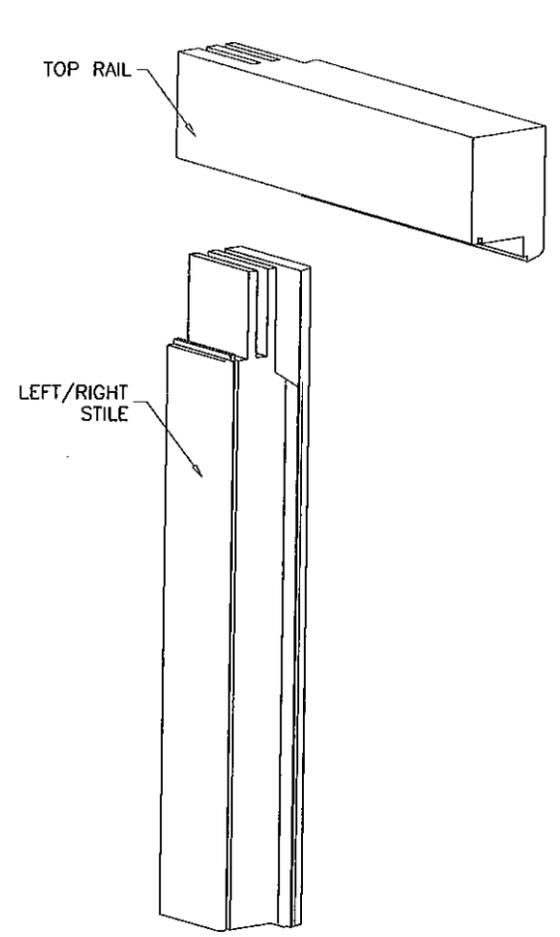
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revisions:

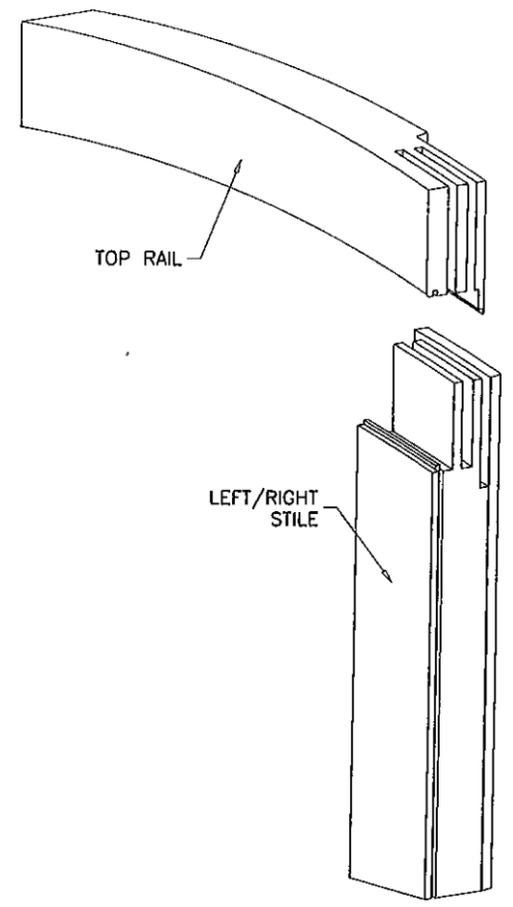
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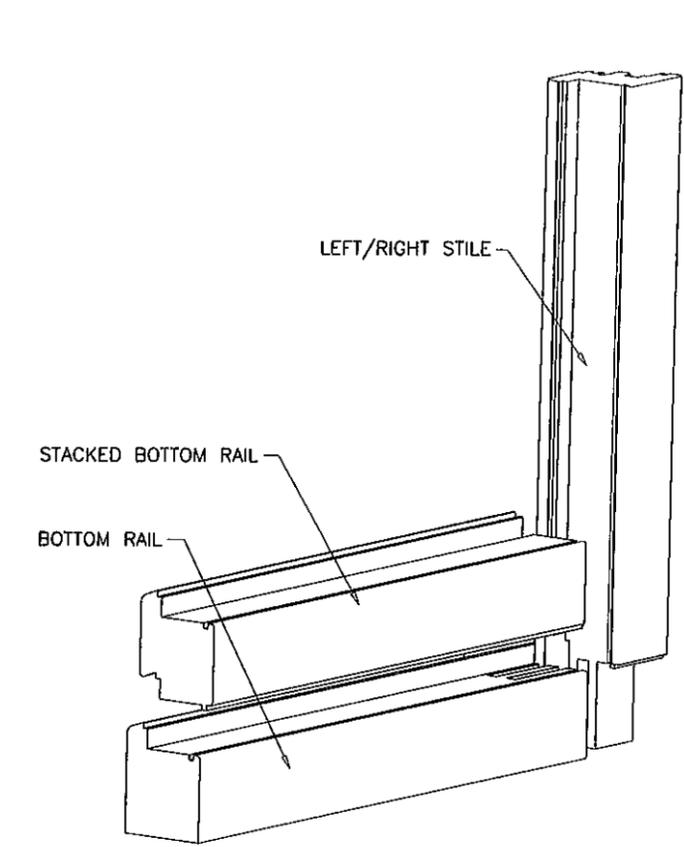
sheet 8 of 9



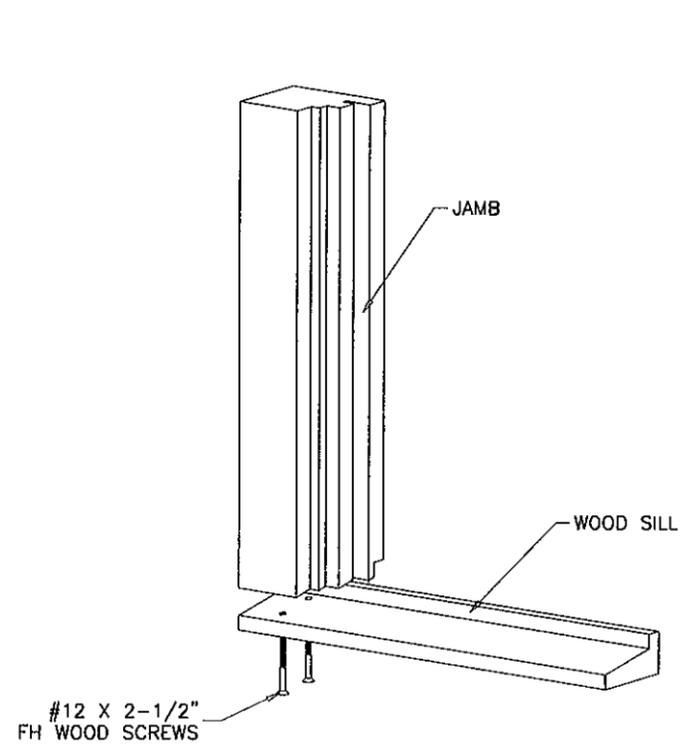
JAMB TOP CORNER



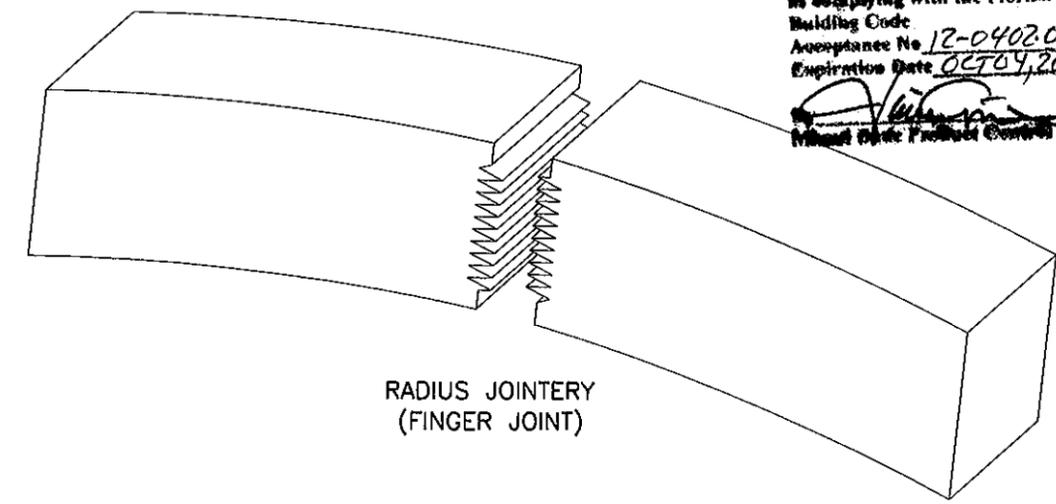
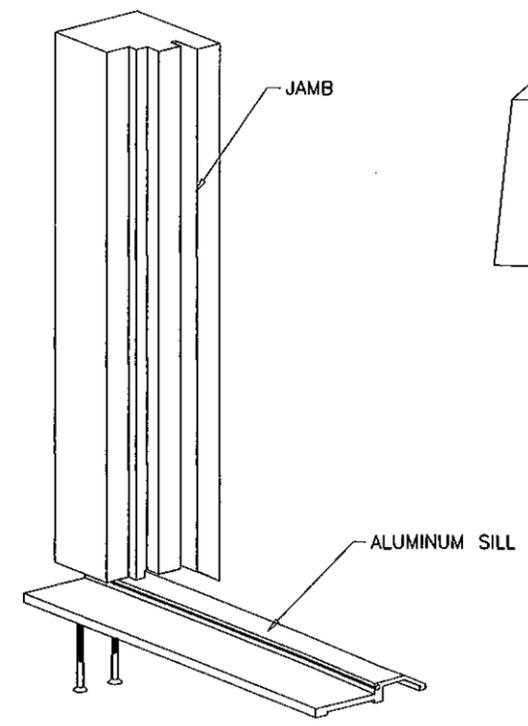
JAMB TOP CORNER CURVED



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



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



PRODUCT REVISED
 to comply with the Florida
 Building Code
 Acceptance No. 12-040207
 Expiration Date 02/09/2017
[Signature]
 Product Control

Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
 C.A.N. 3538
[Signature]
 JUL 30 2012

af c

AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
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