



BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Marvin Windows & Doors
Highway 11 West (P.O. Box 100)
Warroad ,MN 56763-0100

Your application for Notice of Acceptance (NOA) of:

Series "HP" Outswing Aluminum Clad Wood French Door w/ wo sidelites-Non-Impact

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 01-0430.05
EXPIRES: 09/20/2006

Raul Rodriguez
Chief Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 09/20/2006

Marvins Windows & Doors

ACCEPTANCE No. : 01-0430.05

APPROVED : September 20, 2001

EXPIRES : September 20, 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1 This **revises & renews** the Notice of Acceptance NO. 00-0417.01, which was issued on April 19, 2001. It approves an outswing aluminum clad wood french door, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

- 2.1 The "HP" Series Outswing Aluminum Clad Wood French Door w / wo sidelites and its components shall be constructed in strict compliance with the following documents: Drawing No. 1002, titled "Clad Outswing French Door- Non-Impact HP" dated 03-28-01 and last revised on 04-11-2001, sheets 1 through 12 of 12, prepared by W. W. Schaefer Engineering & Consultant, P. A., signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

- 3.1 This approval applies to single unit applications of pair of doors and single door with and without sidelites, as shown in approved drawings. Single door units shall include all components described in the active leaf of this approval.

4. INSTALLATION

- 4.1 The wood out-swinging door and its components shall be installed in strict compliance with the approved drawings.
- 4.2 Hurricane protection system (shutters): the installation of this unit **will require** a hurricane protection system.

5. LABELING

- 5.1 Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved".

6. BUILDING PERMIT REQUIREMENTS

- 6.1 Application for building permit shall be accompanied by copies of the following:
- 6.1.1 This Notice of Acceptance.
- 6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
- 6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

Ishaq I. Chanda
Ishaq I. Chanda, P.E., Product Control Examiner
Product Control Division

Marvins Windows & Doors

ACCEPTANCE No. : 01-0430.05

APPROVED : September 20, 2001

EXPIRES : September 20, 2006

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documents, including test-supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approval", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a. There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes.
 - b. The product is no longer the same product (identical) as the one originally approved.
 - c. If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product.
 - d. The engineer who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a. Unsatisfactory performance of this product or process.
 - b. Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purposes.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

END OF THIS ACCEPTANCE

Ishaq I. Chanda
Ishaq I. Chanda, P.E., Product Control Examiner
Product Control Division

Marvins Windows & Doors

ACCEPTANCE No. : 01-0430.05

APPROVED : September 20, 2001

EXPIRES : September 20, 2006

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA.)

A. DRAWINGS

1. Manufacturer's parts & sections drawings.
2. Drawing No. **1002**, titled "Clad Outswing French Door Non-Impact HP" dated 03-28-01 and last revised on 04-11-2001, sheets 1 through 12 of 12, prepared by W. W. Schaefer Engineering & Consultant, P. A., signed and sealed by Warren W. Schaefer, P.E.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94
3) Water Resistance Test, per PA 202-94
4) Forced Entry Resistance Test, per SFBC 3603.2 (b)(5) and PA 202-94
along with installation diagram of aluminum clad outswing wood french door, marked up by Architectural Testing, Inc. Test Reports No. ATI-02-31192.03 dated 01-05-00, revised by addendum letter dated 02-12-2001, signed and sealed by Allen N. reeves, P. E.
2. Test reports on 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94
3) Water Resistance Test, per PA 202-94
4) Forced Entry Resistance Test, per SFBC 3603.2 (b)(5) and PA 202-94
along with installation diagram of aluminum clad outswing wood french door, marked up by Architectural Testing, Inc. Test Reports No. ATI-02-32132.01 dated 02-10-00, revised by addendum letter dated 02-12-2001, signed and sealed by Allen N. reeves, P. E.

C. CALCULATIONS

1. Comparative analysis and anchor calculations dated 04-13-00 and revised on 27-2001, and 03-28-2001, prepared by W. W. Schaefer Engineering & Consultant, P.A., signed and sealed by Warren W. Schaefer, P.E.

D. MATERIAL CERTIFICATIONS

1. Test Report No. **Project 18-0-0758.3** dated 4-19-01, issued by Stork, Twin City Testing Corporation for "**Fiber glass reinforced Plastic**", **4500 Hours Xenon Arch** exposed (painted & unpainted) samples issued to **Tecton products Inc**, tested per ASTM G26-95 and ASTM D-638-96, signed and sealed by Derick J. Swanson, P. E.
2. Test Report No. **Project 18-0-0758** dated 11-29-00, issued by Stork, Twin City Testing Corporation for "**Fiber glass reinforced Plastic**", **1000 Hours Xenon Arch** exposed (painted & unpainted) samples issued to **Tecton products Inc**, tested per ASTM G26-95 and ASTM D-638-96, signed and sealed by Derick J. Swanson, P. E.
3. Test report No. **Project 18-0-0758 2** dated 11-08-00, issued by Stork, Twin City Testing Corporation, issued to **Tecton products Inc** for "**Fiber glass reinforced plastic**" sample tested for "self ignition" per ASTM 1929D, and for "Smoke density" per ASTMD-2843-93, signed & sealed by Derick J. Swanson, P. E.

Ishaq I. Chanda

Ishaq I. Chanda, P.E., Product Control Examiner
Product Control Division

Marvins Windows & Doors

ACCEPTANCE No. : 01-0430.05

APPROVED : September 20, 2001

EXPIRES : September 20, 2006

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA.)

4. Test report No. **Project 18-0-0758 2** dated 11-08-00, issued by Stork, Twin City Testing Corporation, issued to **Tecton products Inc** for "**Fiber glass reinforced plastic**" sample tested for "self ignition" per ASTM 1929D, and for "Smoke density" per ASTM D-2843-93, signed & sealed by Derick J. Swanson, P. E. .
5. Test report No. **Project 18-0-0758 1** dated 11-08-00, issued by Stork, Twin City Testing Corporation to **Tecton products Inc** for "**Fiber glass reinforced Plastic**" samples tested for "Rate of Burning" per ASTM D635-97, signed & sealed by Derick J. Swanson, P. E. .
(* Note: sample identification pending)
6. Test report No. **Project 18-0-0796** dated 11-16-00, issued by Stork, Twin City Testing Corp, issued to **Marwin Windows Inc** for "**Geon 06935-3490**" sample tested for "Rate of burning" per ASTM D635, signed & sealed by Derick J. Swanson, P. E.
7. Test report No. **Project 18-0-0796 2** dated 11-16-00, issued by Stork, Twin City Testing Corporation, issued to **Marwin Windows Inc** for "**Geon 06935-3490**" sample tested for "Smoke density" per ASTM D2843-93 and "self ignition" per ASTM 1929D, signed & sealed by Derick J. Swanson, P. E. .
8. Photo copies Test report No. **147520.1 thru 4** dated October 27, 2000, issued by SGS US Testing corporation to Stork, Twin City Testing Corporation, for "180-0758 (painted & unpainted) sample tested for "self ignition" per ASTM 1929D, and for "Smoke density" per ASTM D-2843-93, signed by Michael S. Elliot.
9. Letters issued by Marwin Windows, Stoke Testing lab and Tecton corp, identifying samples tested for smoke density, self ignition, rate of burning and xenon arc weathering.

E. STATEMENTS

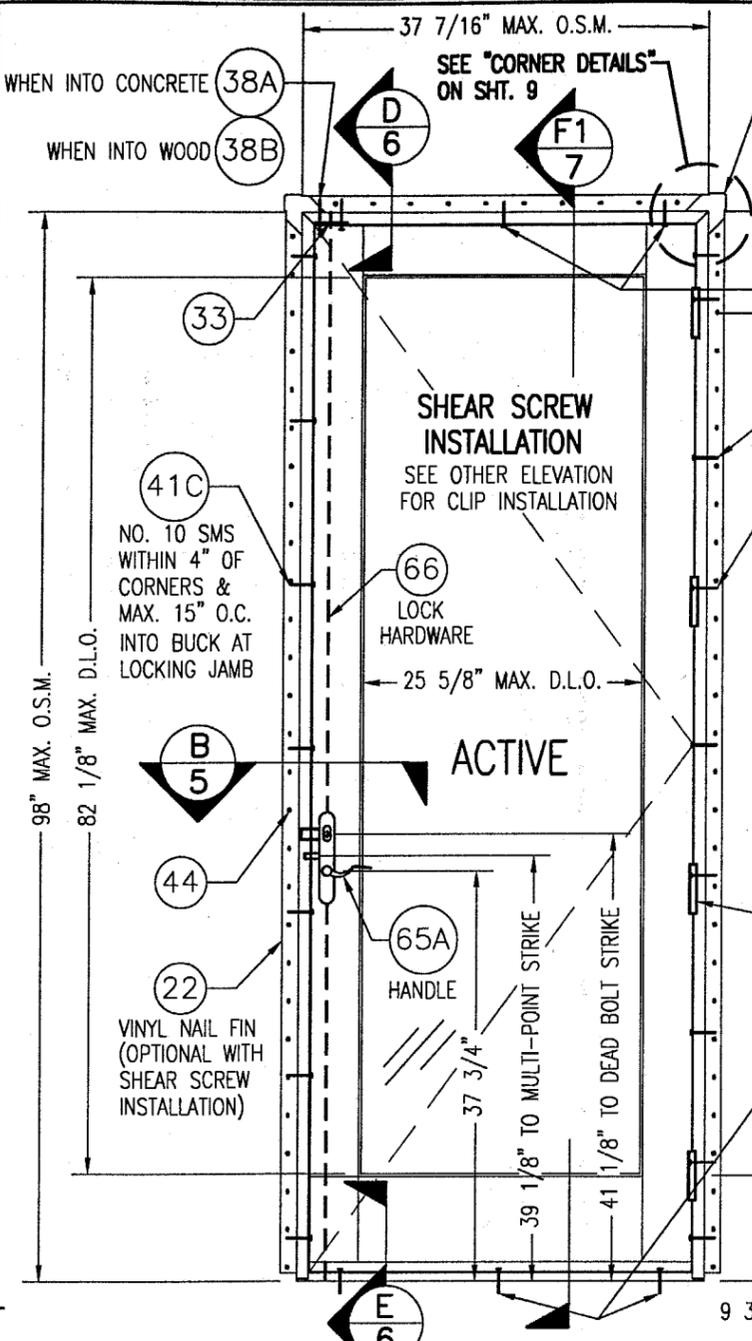
1. Statement letter of conformance, dated January 24, 2000, signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of no financial interest, dated January 24, 2000, signed and sealed by Warren W. Schaefer, P.E.
3. Laboratory compliance letter, issued by Architectural Testing Inc., dated 18 th February, 2000 and 23 March, signed and sealed by Allen N. Reeves, P. E.
4. Addendum letter dated 02-12-2001 issued by Architectural Testing Laboratory, for test report ATI-02-32132.01 & ATI02-31192.03, signed and sealed by Allen N. Reeves, P. E.
5. Letter of Acknowledgement of "corrective action plan" incase of non-compliance of "fiberglass" plastic sample, issued by Marwin windows dated 02-27-2001, signed by Don Lagerstorm.

F. OTHER

1. This NOA revises and renews the Notice of Acceptance NO. **00-0417.01**, which expires on October 19, 2001.
2. Evidence submitted for qualification of Chemtrex PL-400 adhesive.
3. Glazing complies w/ ASTM-1300-98 (glass calcs dated 07-30-01).

Ishaq I. Chanda

Ishaq I. Chanda, P.E., Product Control Examiner
Product Control Division



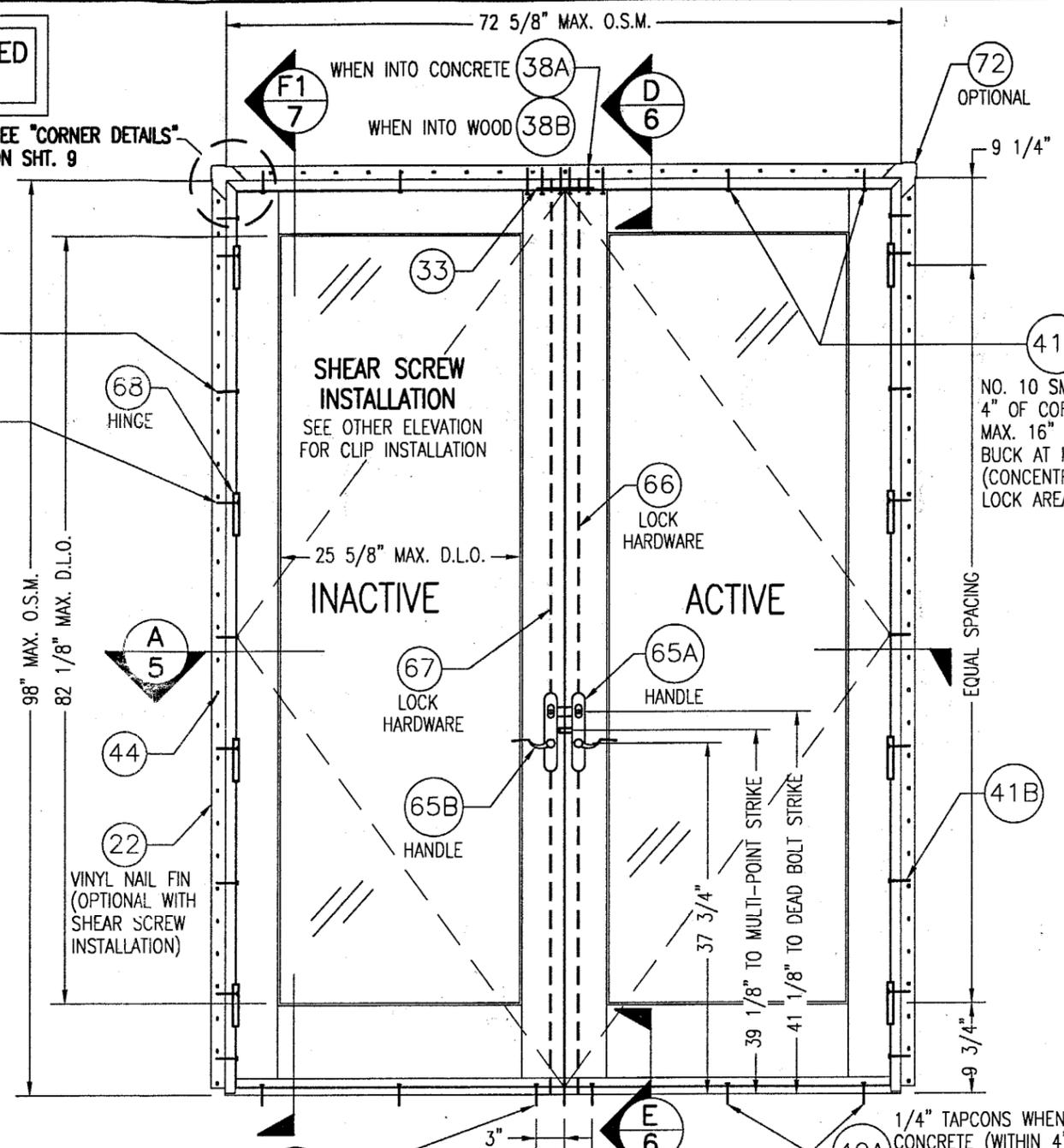
37 7/16" X 98" SINGLE RECTANGULAR FRENCH DOOR
SCALE: 3/4" = 1'-0"

ALL ELEVATIONS VIEWED FROM EXTERIOR

HINGE TABLE	
DOOR FRAME HEIGHT	NO. HINGES REQ'D PER PANEL
82"	3
86"	4
98"	4

ALLOWABLE DESIGN LOADS
SEE LOAD TABLES ON SHEET 12

FOR MINIMUM FASTENER EDGE DISTANCE & EMBEDMENT REQUIREMENTS, SEE NOTES 2 & 3 ON SHEET 11.



72 5/8" X 98" DOUBLE RECTANGULAR FRENCH DOOR
SCALE: 3/4" = 1'-0"

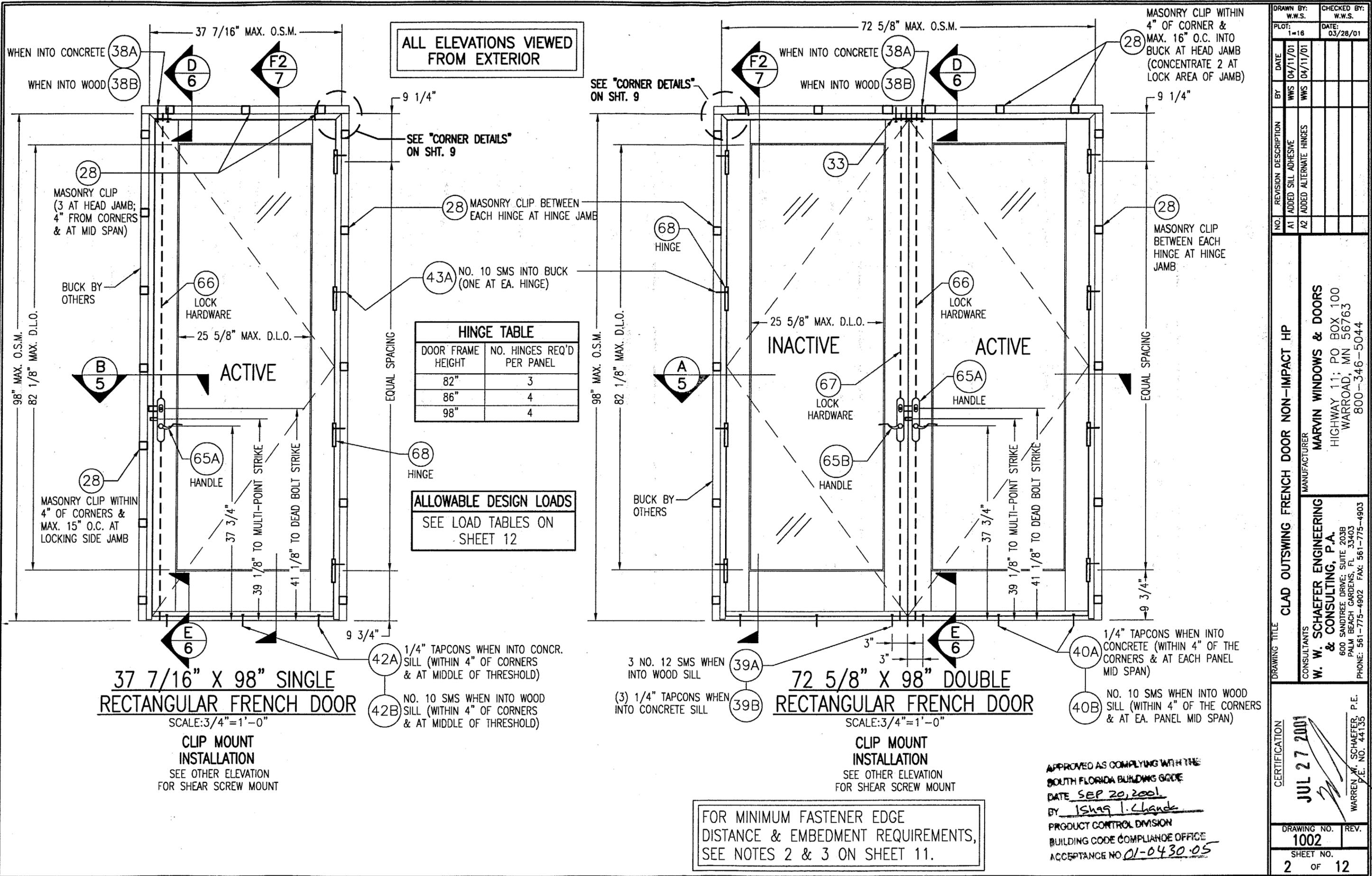
GENERAL NOTES

1. THESE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES SHOWN ON THESE DRAWINGS.
2. BUCKING, OPENINGS & BUCKING FASTENERS MUST BE DESIGNED & INSTALLED BY OTHERS TO WITHSTAND WIND LOADS AS DETERMINED FOR EA. APPLICATION
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & MAY NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS PROPOSED FOR WATER, AIR, UNIFORM STATIC AIR PRESSURE & FORCED ENTRY TESTING IN CONFORMANCE WITH DADE COUNTY PROTOCOL PA 202 FOR NON-IMPACT DOORS.

5. ALL JAMB TO BUCKING SHEAR FASTENERS MUST PENETRATE BUCK PER NOTES ON SHEET 11. IF PENETRATION IS LESS THAN SPECIFIED THEN SCREW LENGTH SHALL INCREASE AS REQUIRED.
6. THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE SOUTH FLORIDA BUILDING CODE, 1994 EDITION.
7. THIS PRODUCT HAS BEEN TESTED IN ACCORDANCE WITH DADE COUNTY PROTOCOL PA-202 FOR NON-IMPACT TESTING.
8. THESE DOOR SYSTEMS ARE NON-IMPACT RATED ONLY. MIAMI-DADE COUNTY APPROVED SHUTTERS ARE REQUIRED FOR INSTALLATION OF THESE UNITS.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE SEPTEMBER 20, 2001
BY Ismael J. Chaves
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0430.05

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLT: 1-16	DATE: 03/28/01
DATE	BY
04/11/01	WWS
04/11/01	WWS
REVISION DESCRIPTION	
A1 ADDED SILL ADHESIVE	
A2 ADDED ALTERNATE HINGES	
NO.	
DRAWING TITLE CLAD OUTSWING FRENCH DOOR NON-IMPACT HP	
MANUFACTURER MARVIN WINDOWS & DOORS	
HIGHWAY 11; PO BOX 100 WARROAD, MN 56763 800-346-5044	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	
600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION	P.E.
JUL 27 2001	WARREN W. SCHAEFER
DRAWING NO.	REV.
1002	
SHEET NO.	
1	OF 12



ALL ELEVATIONS VIEWED FROM EXTERIOR

HINGE TABLE

DOOR FRAME HEIGHT	NO. HINGES REQ'D PER PANEL
82"	3
86"	4
98"	4

ALLOWABLE DESIGN LOADS
SEE LOAD TABLES ON SHEET 12

37 7/16" X 98" SINGLE RECTANGULAR FRENCH DOOR
SCALE: 3/4" = 1'-0"

CLIP MOUNT INSTALLATION
SEE OTHER ELEVATION FOR SHEAR SCREW MOUNT

72 5/8" X 98" DOUBLE RECTANGULAR FRENCH DOOR
SCALE: 3/4" = 1'-0"

CLIP MOUNT INSTALLATION
SEE OTHER ELEVATION FOR SHEAR SCREW MOUNT

FOR MINIMUM FASTENER EDGE DISTANCE & EMBEDMENT REQUIREMENTS, SEE NOTES 2 & 3 ON SHEET 11.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE SEP 20, 2001
BY ISHAQ I. CHAND
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0430.05

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1-18		DATE: 03/28/01	
NO.	REVISION DESCRIPTION	BY	DATE
A1	ADDED SILL ADHESIVE	WWS	04/11/01
A2	ADDED ALTERNATE HINGES	WWS	04/11/01
DRAWING TITLE: CLAD OUTSWING FRENCH DOOR NON-IMPACT HP			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903			
MANUFACTURER: MARVIN WINDOWS & DOORS HIGHWAY 11; PO BOX 100 WARROAD, MN 56763 800-346-5044			
CERTIFICATION	JUL 27 2001		
DRAWING NO. 1002			
SHEET NO. 2 OF 12			

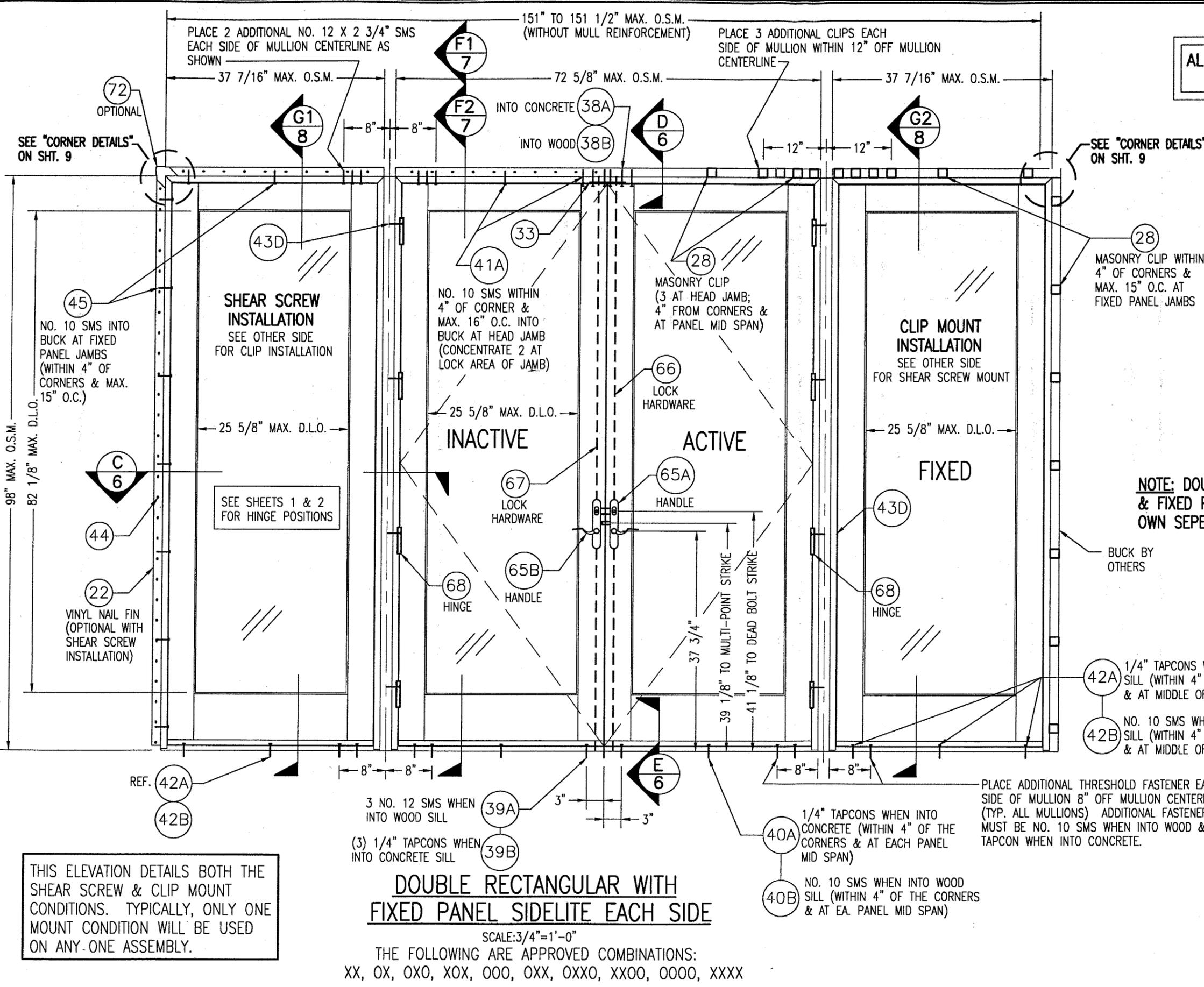
DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
DATE: 04/11/01	DATE: 03/28/01
NO. 1	NO. 1
REVISION DESCRIPTION	
A1 ADDED SILL ADHESIVE	
A2 ADDED ALTERNATE HINGES	
DRAWING TITLE CLAD OUTSWING FRENCH DOOR NON-IMPACT HP	
MANUFACTURER MARVIN WINDOWS & DOORS	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	
600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	

ALL ELEVATIONS VIEWED FROM EXTERIOR

ALLOWABLE DESIGN LOADS
SEE LOAD TABLES ON SHEET 12

HINGE TABLE	
DOOR FRAME HEIGHT	NO. HINGES REQ'D PER PANEL
82"	3
86"	4
98"	4

NOTE: DOUBLE DOORS, SINGLE DOORS & FIXED PANELS MUST BE IN THEIR OWN SEPERATE FRAMES.



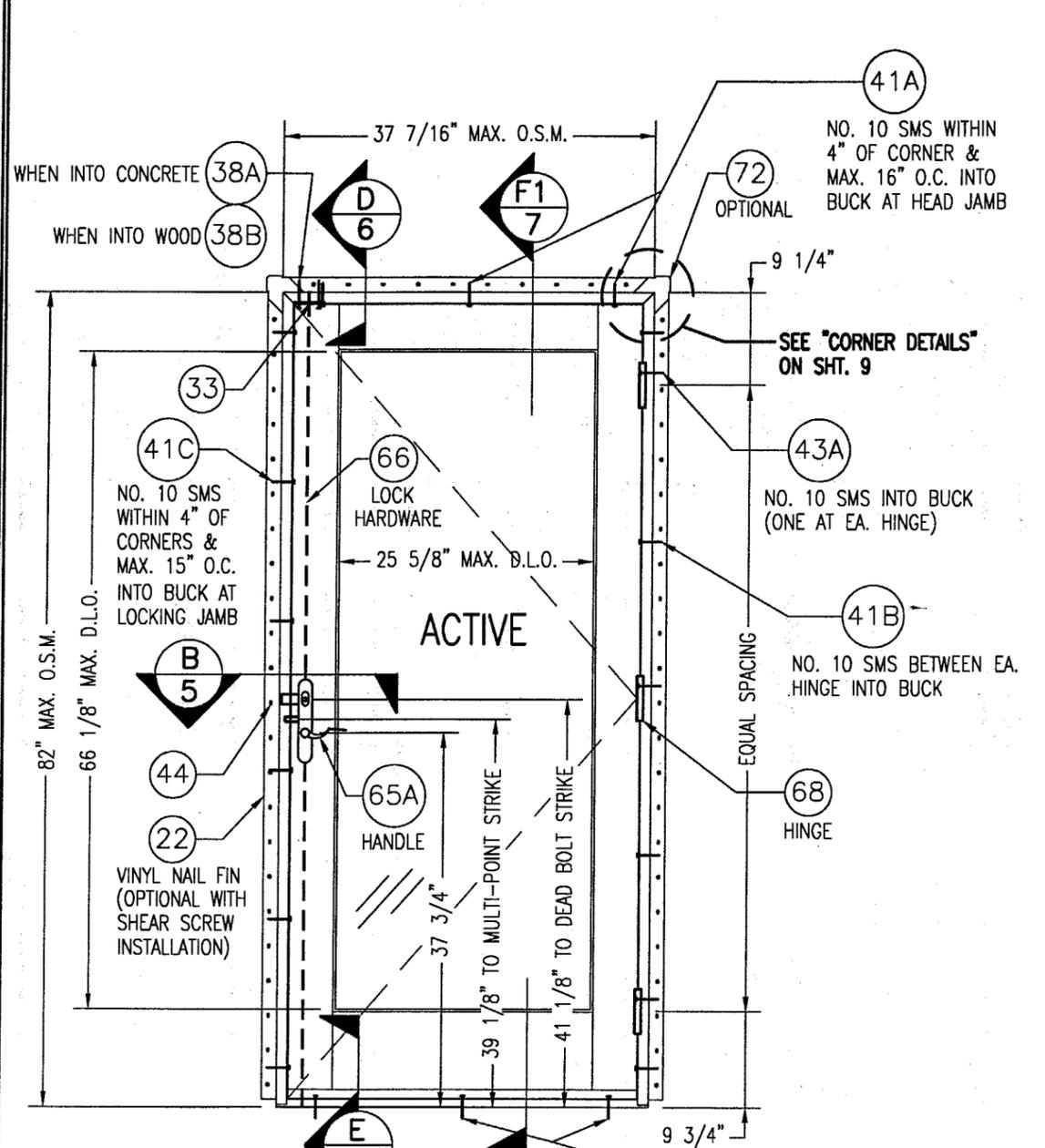
**DOUBLE RECTANGULAR WITH
FIXED PANEL SIDELITE EACH SIDE**

SCALE: 3/4" = 1'-0"
THE FOLLOWING ARE APPROVED COMBINATIONS:
XX, OX, OXO, XO, OOO, OXX, OXXO, XXOO, OXXX

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE SEP 20, 2001
BY Isaac L. Lunde
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0430.05

CERTIFICATION
JUL 27 2001
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO. **1002** REV.
SHEET NO. **3** OF **12**

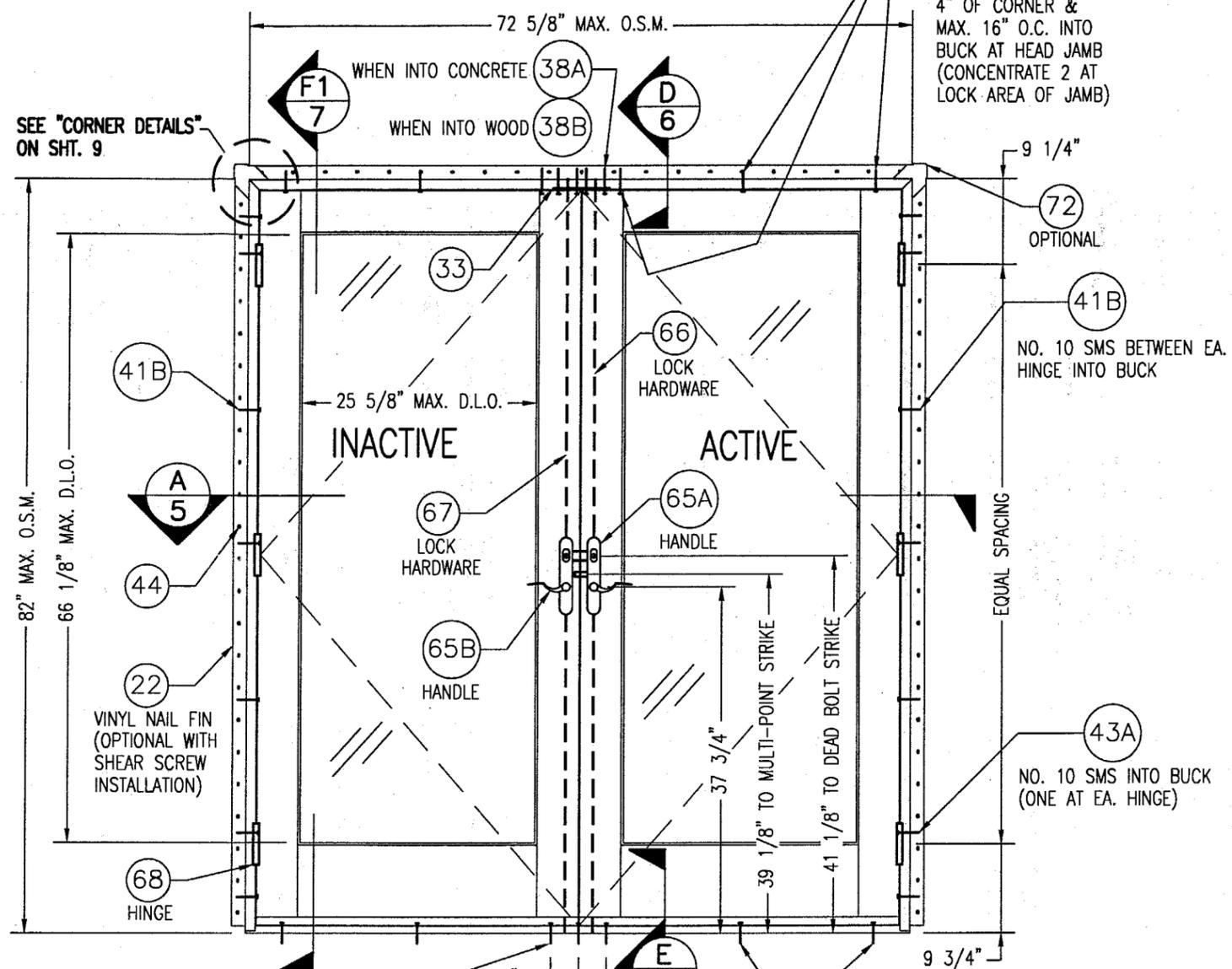


**37 7/16" X 82" SINGLE
RECTANGULAR FRENCH DOOR**
SCALE: 3/4" = 1'-0"

**SHEAR SCREW
INSTALLATION**
SEE OTHER ELEVATION
FOR CLIP INSTALLATION

HINGE TABLE	
DOOR FRAME HEIGHT	NO. HINGES REQ'D PER PANEL
82"	3
86"	4
98"	4

ALL ELEVATIONS VIEWED FROM EXTERIOR

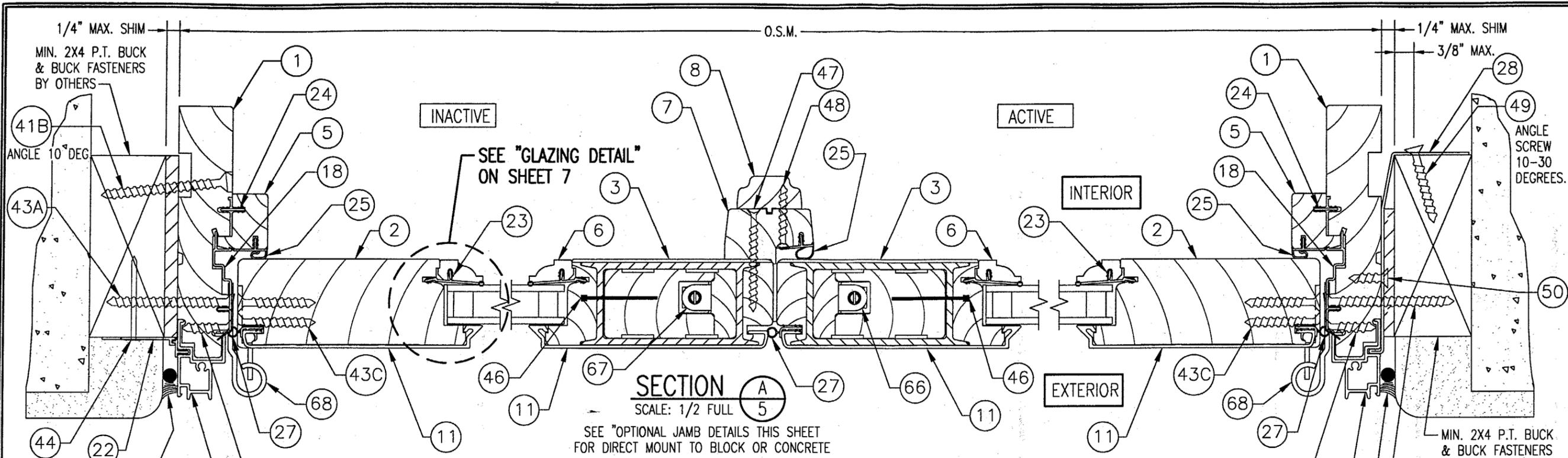


**72 5/8" X 82" DOUBLE
RECTANGULAR FRENCH DOOR**
SCALE: 3/4" = 1'-0"

**SHEAR SCREW
INSTALLATION**
SEE OTHER ELEVATION
FOR CLIP INSTALLATION

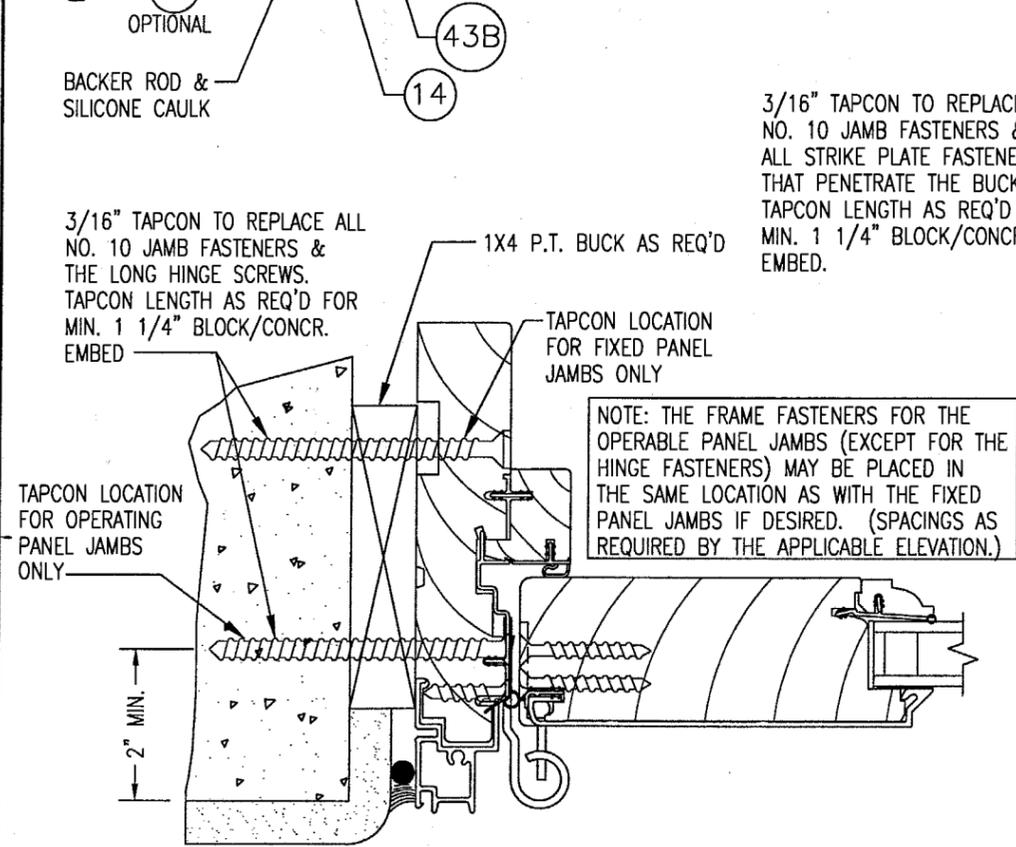
ALLOWABLE DESIGN LOADS
SEE LOAD TABLES ON SHEETS 12

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1-16		DATE: 03/28/01	
DATE	BY	DATE	BY
04/11/01	WWS	04/11/01	WWS
REVISION	DESCRIPTION	NO.	DATE
A1	ADDED SILL ADHESIVE		
A2	ADDED ALTERNATE HINGES		
DRAWING TITLE: CLAD OUTSWING FRENCH DOOR NON-IMPACT HP			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: MARVIN WINDOWS & DOORS	
600 SANDREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903		HIGHWAY 11; PO BOX 100 WARROAD, MN 56763 800-346-5044	
CERTIFICATION: JUL 27 2001		APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE: <u>SEP 20, 2001</u> BY: <u>Shawn L. Chaudh</u> PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. <u>01-0430.05</u>	
DRAWING NO. 1002		REV.	
SHEET NO. 4		OF 12	



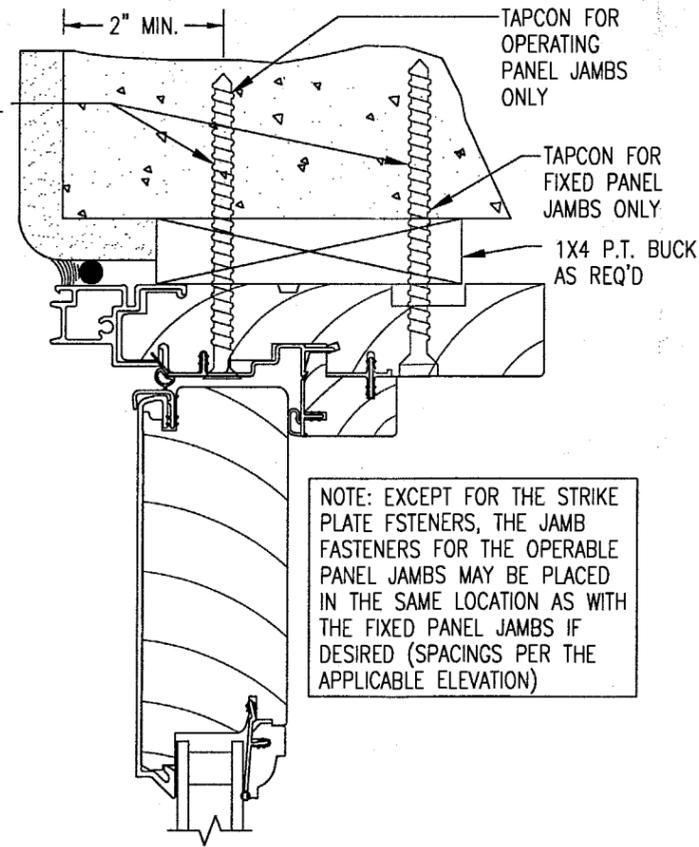
SECTION A
SCALE: 1/2 FULL

SEE "OPTIONAL JAMB DETAILS THIS SHEET FOR DIRECT MOUNT TO BLOCK OR CONCRETE"



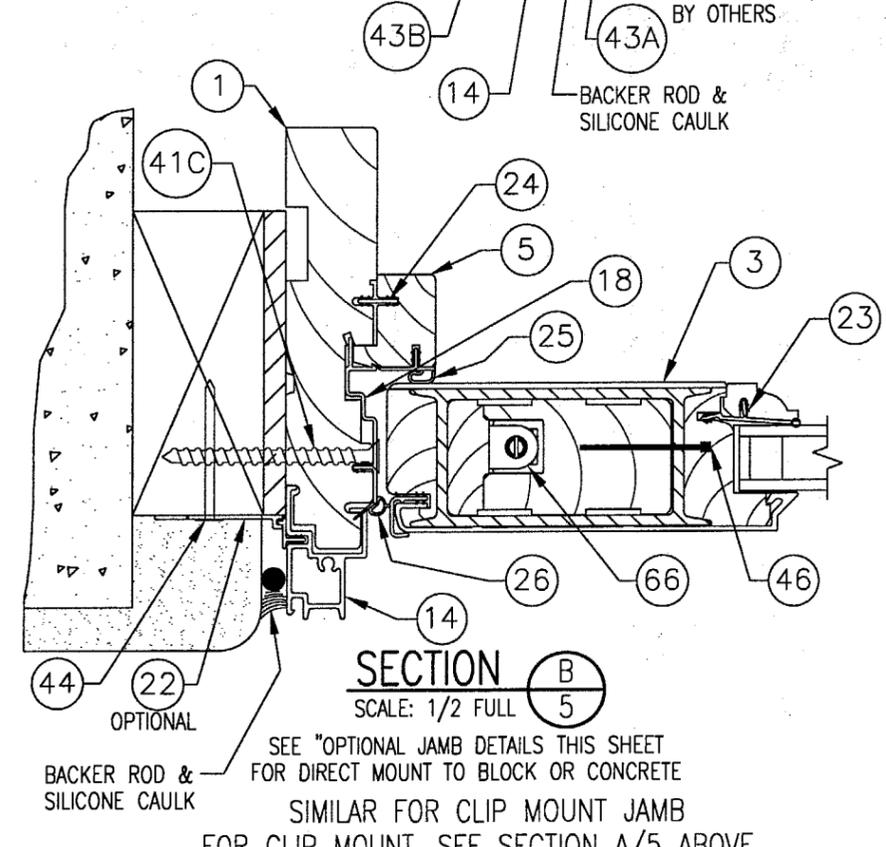
OPTIONAL SIDE JAMB DETAIL FOR DIRECT MOUNT TO CONCRETE OR BLOCK

SCALE: 1/2 FULL SIZE
(TYP. ALL UNITS; FIXED & OPERABLE)
SEE SECTIONS A & C FOR DETAIL NOT SHOWN



OPTIONAL HEAD JAMB DETAIL FOR DIRECT MOUNT TO CONCRETE OR BLOCK

SCALE: 1/2 FULL SIZE
(TYP. ALL UNITS; FIXED & OPERABLE)
SEE SECTIONS F1, F2, G1 & G2 FOR DETAIL NOT SHOWN

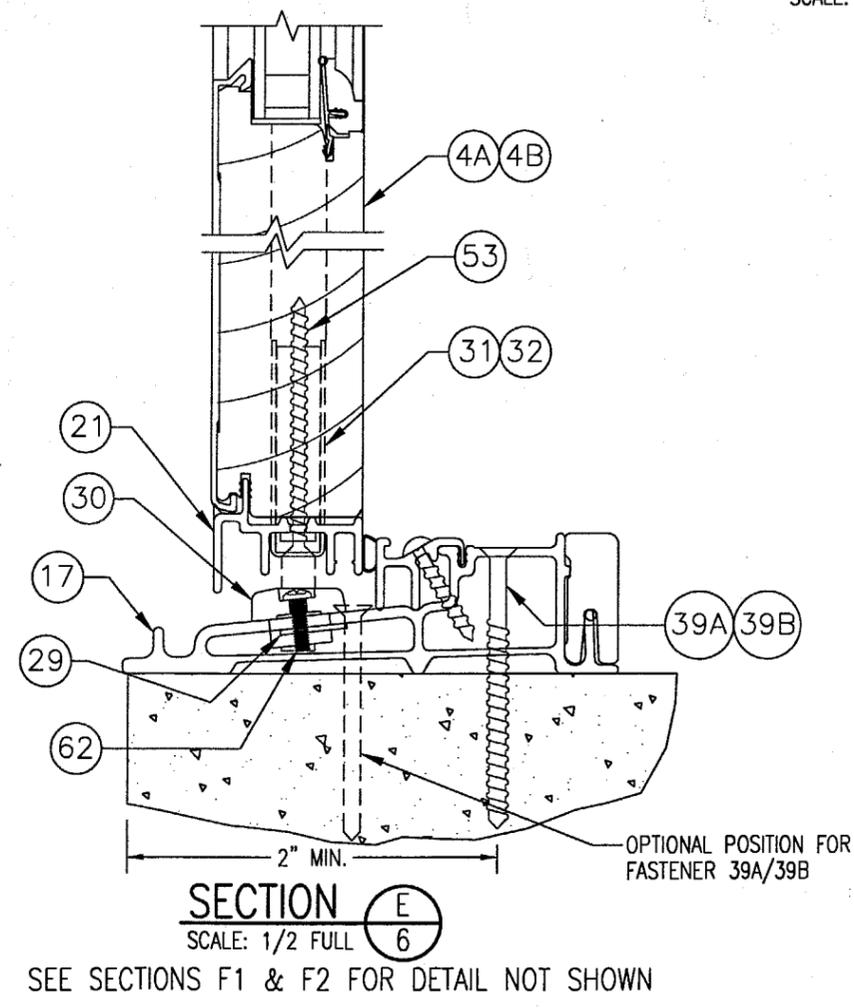
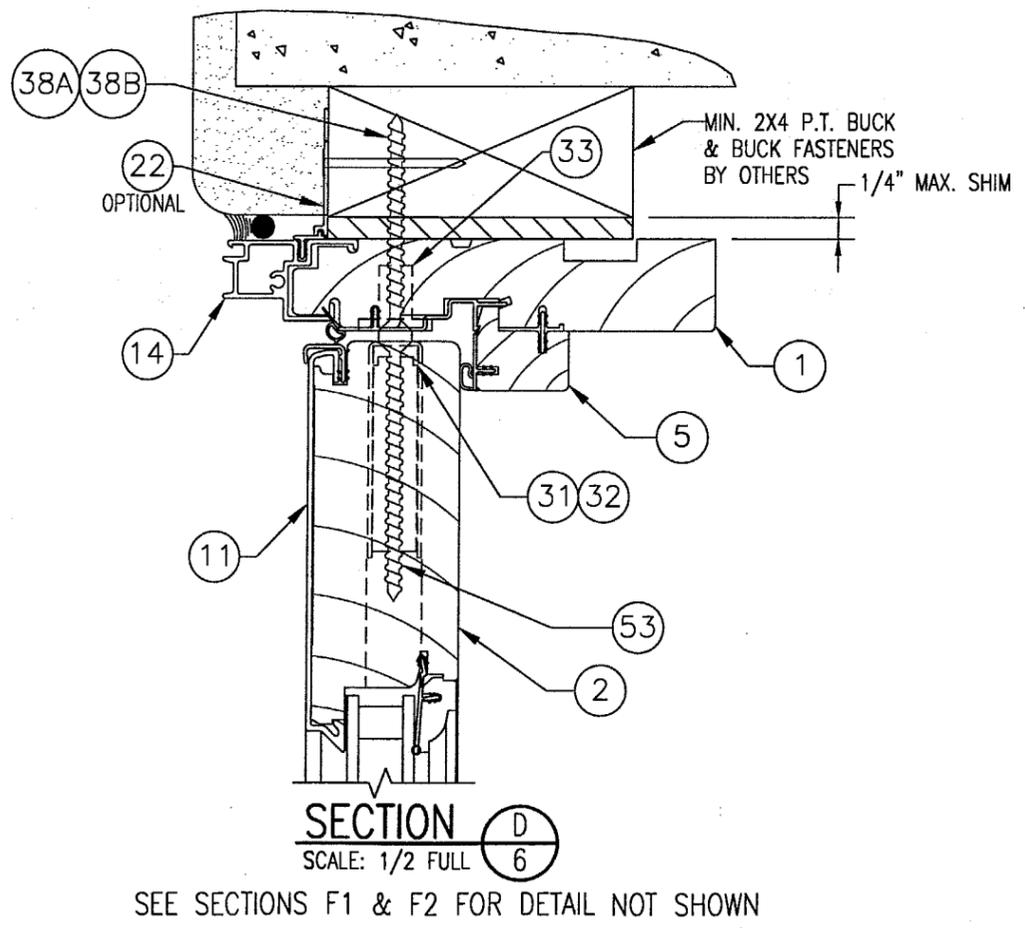
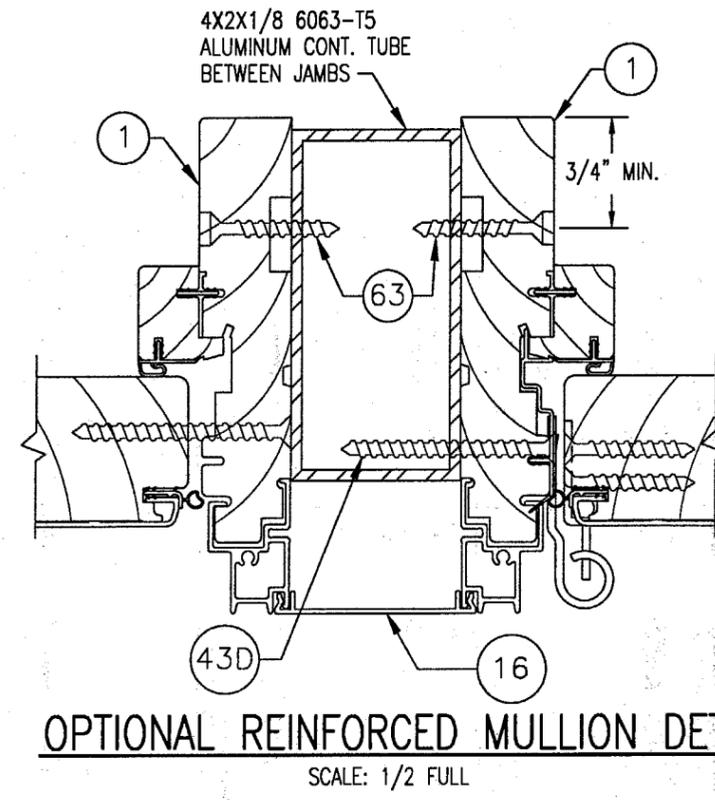
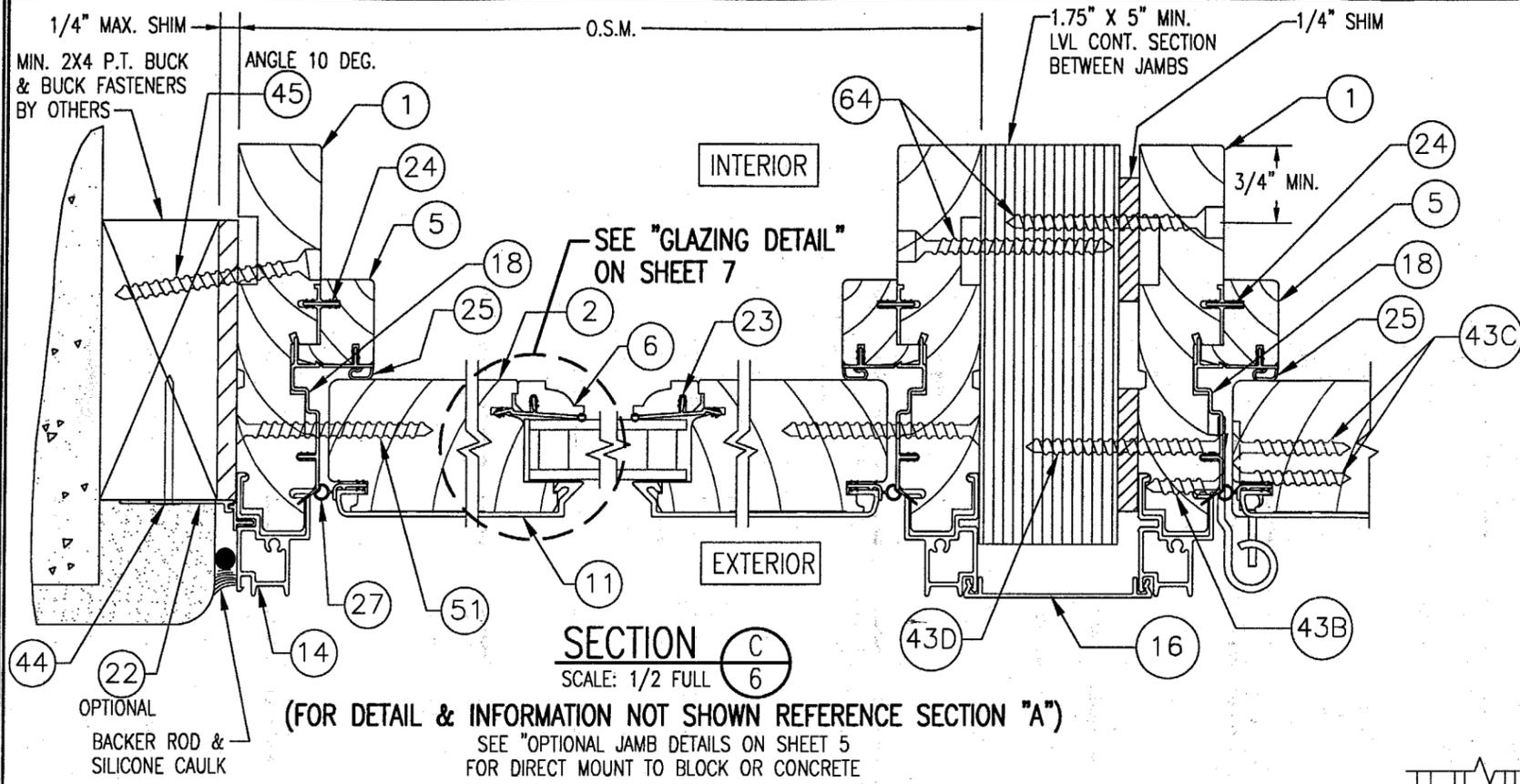


SECTION B
SCALE: 1/2 FULL

SEE "OPTIONAL JAMB DETAILS THIS SHEET FOR DIRECT MOUNT TO BLOCK OR CONCRETE"

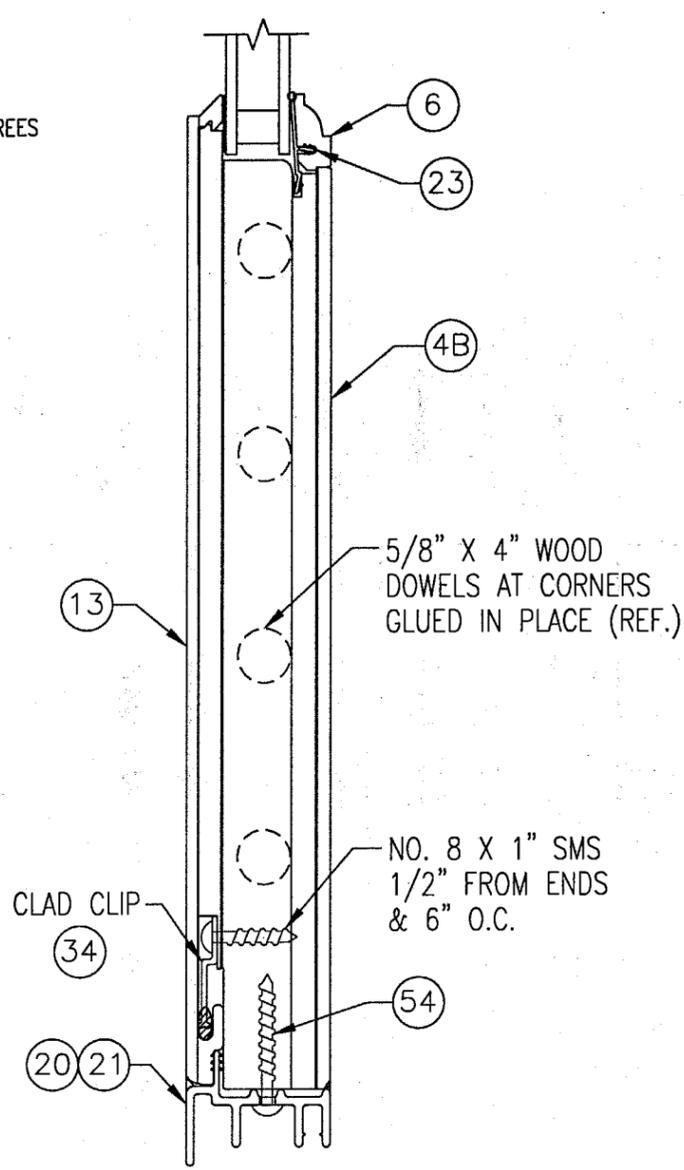
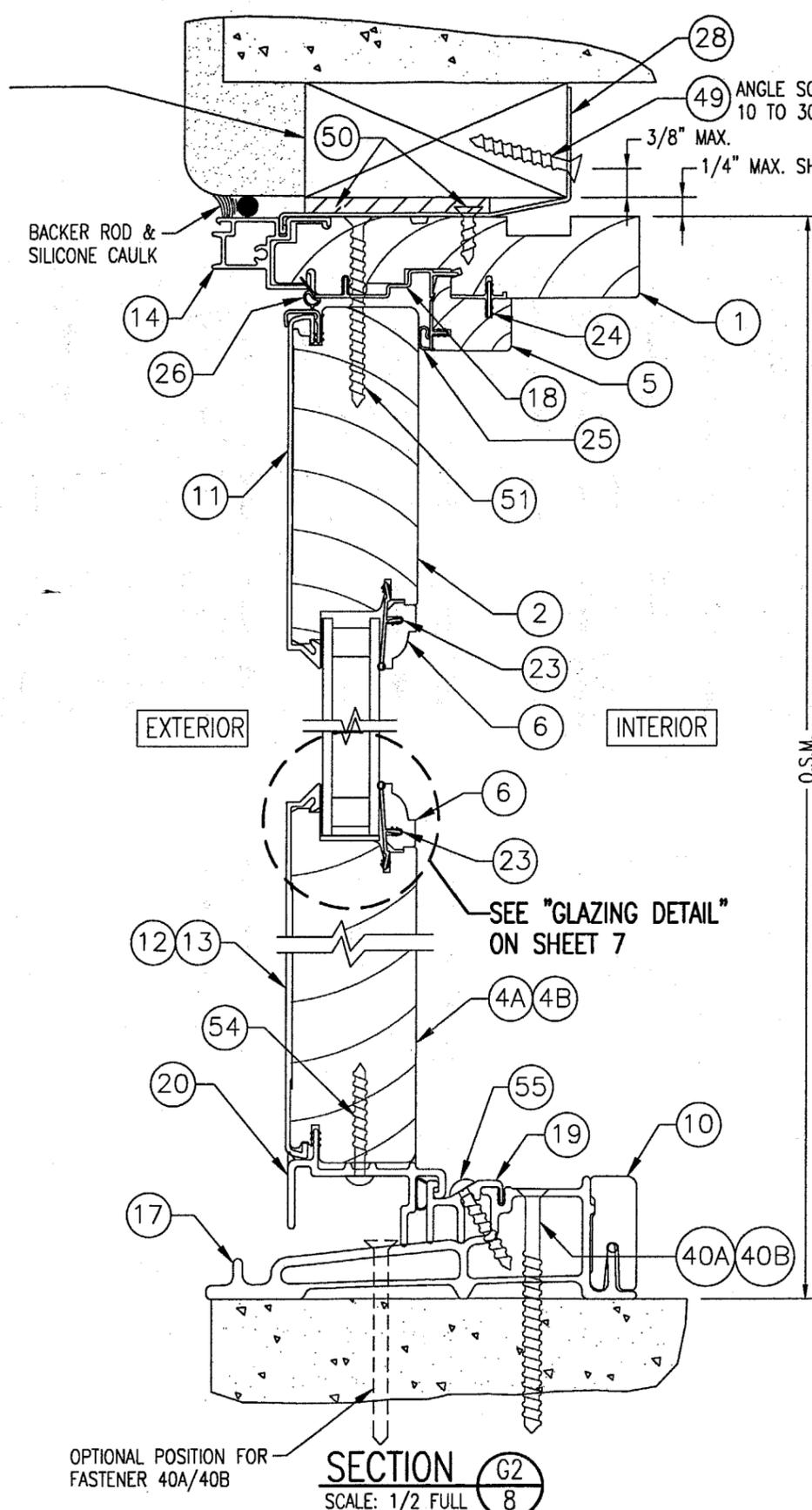
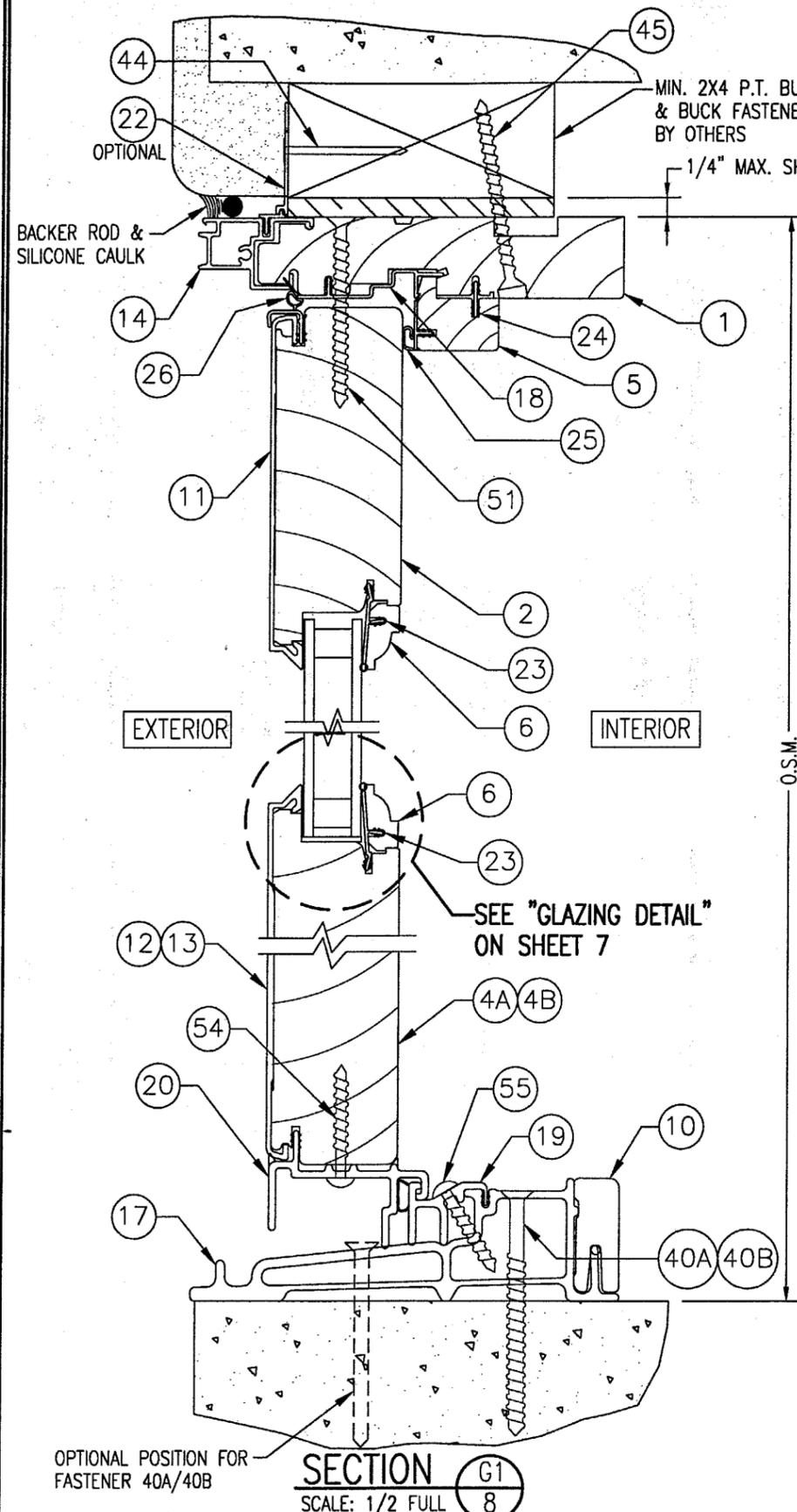
SIMILAR FOR CLIP MOUNT JAMB
FOR CLIP MOUNT, SEE SECTION A/5 ABOVE

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 03/28/01	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: CLAD OUTSWING FRENCH DOOR NON-IMPACT HP MANUFACTURER: MARVIN WINDOWS & DOORS HIGHWAY 11; PO BOX 100 WARROAD, MN 56763 800-346-5044			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903			
CERTIFICATION: JUL 27 2001 APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE Sep 20, 2001 BY Ishaq I. Chanda PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. 01-0430.05			
DRAWING NO. 1002		REV.	
SHEET NO. 5		OF 12	



APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE SEP 20, 2001
BY Shag I. Chanda
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0430.05

DRAWING TITLE	CLAD OUTSWING FRENCH DOOR NON-IMPACT HP
	MANUFACTURER MARVIN WINDOWS & DOORS HIGHWAY 11; PO BOX 100 WARROAD, MN 56763 800-346-5044
DRAWING NO.	1002
SHEET NO.	6 OF 12
CERTIFICATION	JUL 27 2001 WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWN BY:	W.W.S.
CHECKED BY:	W.W.S.
PLLOT:	1=2
DATE:	03/28/01
NO.	
REVISION DESCRIPTION	
BY	
DATE	



ALTERNATE BOTTOM RAIL DETAIL

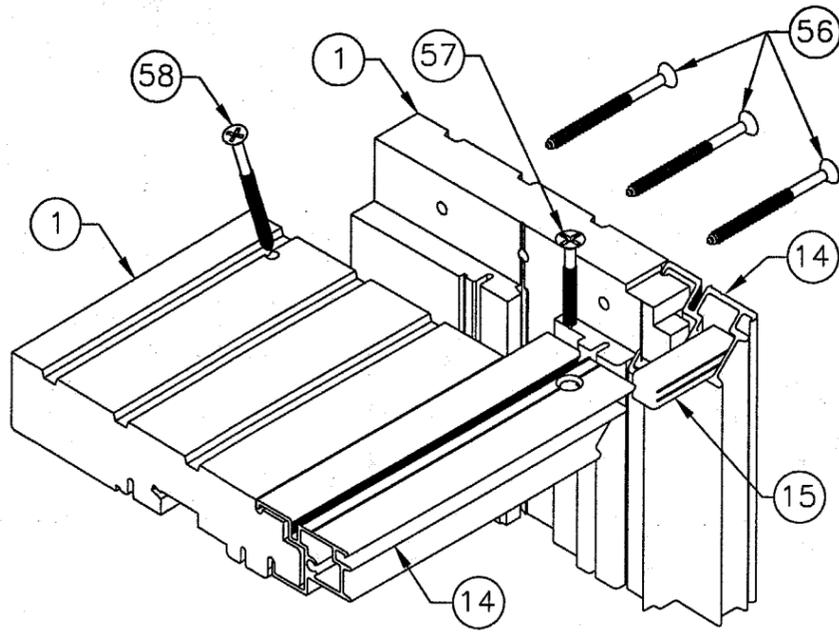
SCALE: 1/2 FULL
 DETAIL SHOWN IS FOR ACTIVE PANEL. STATIONARY PANEL RAIL IS SAME EXCEPT FOR BOTTOM SWEEP BEING AS SHOWN IN SECTIONS G1 & G2 ON THIS SHEET.

OPTIONAL POSITION FOR FASTENER 40A/40B
SECTION G1
 SCALE: 1/2 FULL
 SHEAR SCREW HEAD & SILL MOUNT SHOWN IN THIS SECTION. FOR CLIP HEAD MOUNT, SEE SECTION G2

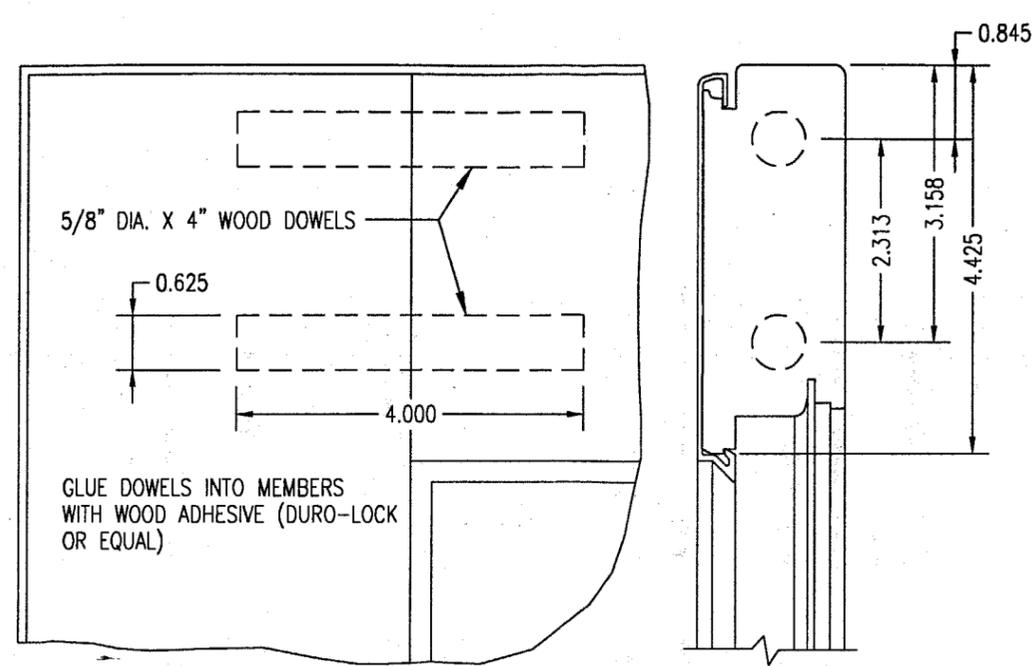
OPTIONAL POSITION FOR FASTENER 40A/40B
SECTION G2
 SCALE: 1/2 FULL
 CLIP HEAD MOUNT SHOWN IN THIS SECTION. FOR SHEAR SCREW HEAD & SILL MOUNTS, SEE SECTION G1

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE SEP 20, 2001
 BY [Signature]
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 01-0430.05

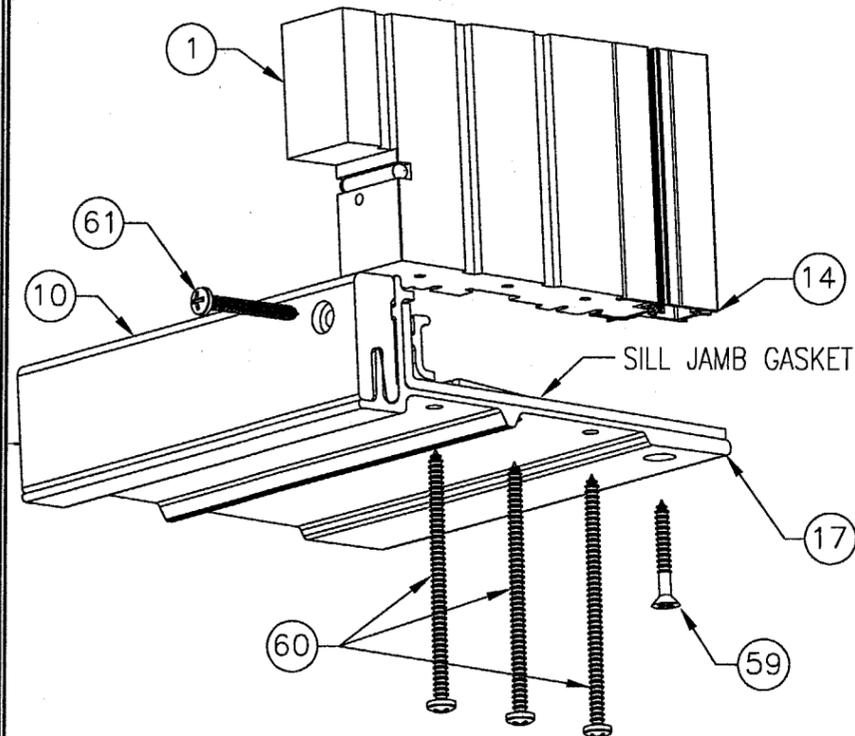
DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 03/28/01	
NO.	REVISION DESCRIPTION	DATE	BY
A1	ADDED SILL ADHESIVE	04/11/01	WWS
A2	ADDED ALTERNATE HINGES	04/11/01	WWS
DRAWING TITLE: CLAD OUTSWING FRENCH DOOR NON-IMPACT HP			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: MARVIN WINDOWS & DOORS	
600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903		HIGHWAY 11, PO BOX 100 WARROAD, MN 56763 800-346-5044	
CERTIFICATION	JUL 27 2001	WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1002	REV.		
SHEET NO. 8	OF 12		



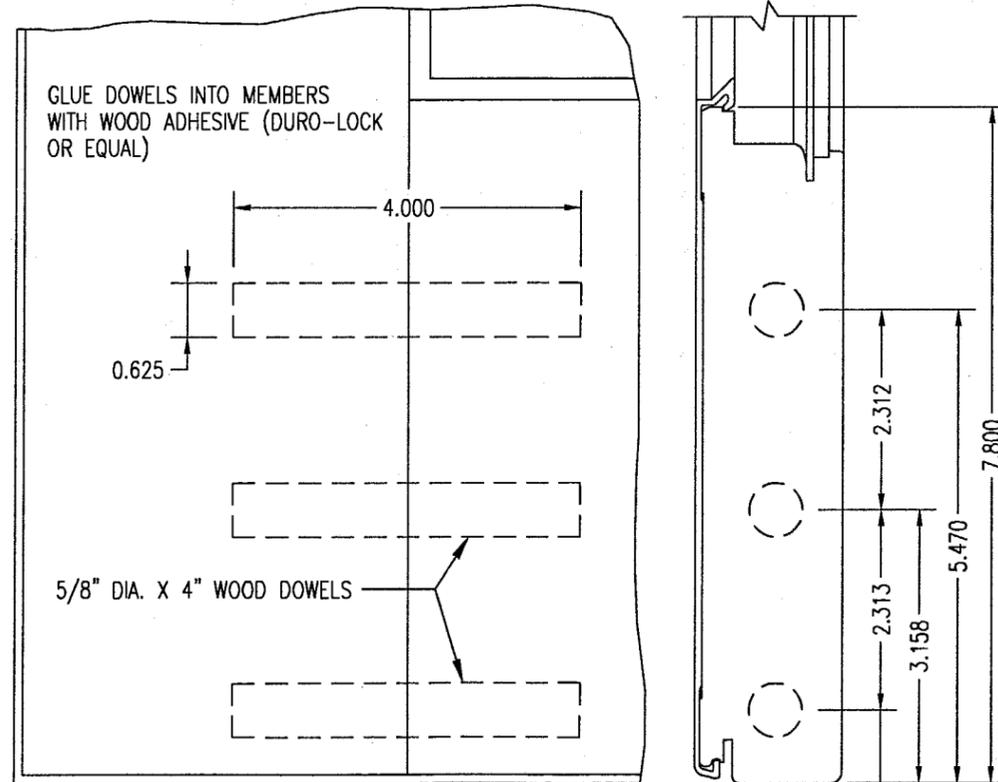
JAMB TO JAMB CORNER DETAIL



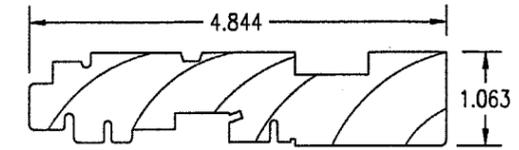
STILE TO TOP RAIL CORNER DETAIL



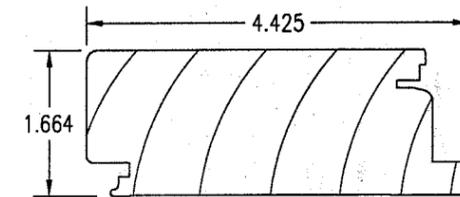
JAMB TO THRESHOLD CORNER DETAIL



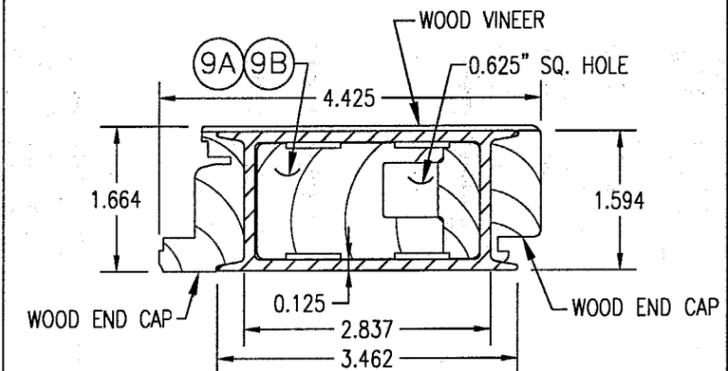
STILE TO BOTTOM RAIL CORNER DETAIL
SIMILAR AT WIDE BOTTOM RAIL EXCEPT 4 DOWELS ARE USED



1 JAMB
WESTERN PINE
SCALE: 1/2 FULL



2 STILE & TOP RAIL
WESTERN PINE
SCALE: 1/2 FULL



3 LOCKING STILE
ULTRIX SECTION WITH WOOD VENEER
SCALE: 1/2 FULL

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE SEP 20, 2001
BY Isheq J. Chanda
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0430.05

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 03/28/01
NO.	REVISION DESCRIPTION
DATE	BY
DRAWING TITLE CLAD OUTSWING FRENCH DOOR NON-IMPACT HP	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	
MANUFACTURER MARVIN WINDOWS & DOORS HIGHWAY 11; PO BOX 100 WARROAD, MN 56763 800-346-5044	
CERTIFICATION JUL 27 2001 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	DRAWING NO. 1002 REV. 1002 SHEET NO. 9 OF 12

PARTS LIST			
NO.	REF. NO.	DESCRIPTION	NOTES
PARTS & EXTRUSIONS			
1	00011673	SIDE & HEAD JAMB	SEE NOTE 1
2	00014719	STILE (NON-LOCKING) & TOP RAIL	SEE NOTE 1
3	00015113	LOCKING STILE	SEE NOTE 1
4A	00011731	BOTTOM RAIL	SEE NOTE 1
4B	00014333	ALTERNATE BOTTOM RAIL	SEE NOTE 1
5	00013514	PANEL STOP	SEE NOTE 1
6	00007090	GLAZING STOP	SEE NOTE 1
7	00005927	MULLION CASING BASE	SEE NOTE 1
8	00008310	MULLION CASING COVER	SEE NOTE 1
9A	00005240	LOCKING STILE CENTER PLUG	SEE NOTE 1 (25" LONG)
9B	00005239	LOCKING STILE END PLUG	SEE NOTE 1 (15" LONG)
10	00011114	THRESHOLD LINER	OAK
11	00014631	STILE & TOP RAIL CLAD	6063-T5 ALUMINUM
12	00002592	BOTTOM RAIL CLAD	6063-T5 ALUMINUM
13	00014234	ALTERNATE BOTTOM RAIL CLAD	6063-T5 ALUMINUM
14	00013503	JAMB CLAD	6063-T5 ALUMINUM
15	00011814	JAMB CLAD CORNER KEY	6063-T5 ALUMINUM
16	00002030	2" MULLION CAP	6063-T5 ALUMINUM; USED WITH TUBE & LVL REINFORCED MULLIONS
17	00011107	THRESHOLD	PAINTED ULTREX (FIBERGLASS WITH MIN. Fy = 39 KSI) BY TECTON PRODUCTS
18	00013511	FRAME WEATHER-STRIP	VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)
19	00013508	SILL WEATHER-STRIP	VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)
20	00013509	FIXED PANEL SWEEP	VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)
21	00013510	ACTIVE PANEL SWEEP	VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)
22	00005348	OPTIONAL NAILING FIN	VINYL; NOT REQUIRED WITH INSTALLATION (OPTIONAL)
23	00011747	GLAZING BEAD	VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)
24	00005685	PANEL STOP CONNECTING BARB	VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)
25	00005648	WEATHER-STRIP AT PANEL STOP	VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)
26	00013512	WEATHER-STRIP AT TOP RAIL	VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)
27	00013513	WEATHER-STRIP AT STILES	VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)
28	00003726	GALVANIZED STEEL 0.050 MASONRY CLIP MIN Fy = 50 KSI	AT DOUBLE DOORS: 5 AT HEAD JAMB 4" FROM CORNERS & EQUALLY SPACED 4" FROM CORNERS & BETWEEN EA. HINGE @ SIDE JAMBS AT SINGLE DOORS: 3 AT HEAD JAMB 4" FROM CORNERS & EQUALLY SPACED 4" FROM CORNERS & BETWEEN EA. HINGE @ HINGE SIDE JAMBS 4" FROM CORNERS & 15" O.C. AT LOCKING SIDE JAMBS AT FIXED PANELS: 4" FROM CORNERS & MAX. 15" O.C. AT ALL JAMBS
29	00014996	STAINLESS STEEL SILL BACKER PLATE	ONE AT EA. SILL STRIKE BELOW SILL
30	00014912	GLASS REINFORCED ACETAL SILL STRIKE	1 AT EA. LOCK BAR
31	00015314	GLASS FILLED NYLON SHOOT BOLT GUIDE	1 AT EA. PANEL (TOP & BOTTOM)
32	00015312	S/STL SHOOT BOLT GUIDE REINF.	1 AT EA. SHOOT BOLT GUIDE
33	00015486	NON-REINF. NYLON HEAD JAMB STRIKE	1 FOR EA. LOCK BAR
34	00014245	6063-T5 ALUM. CLAD CLIP	CONT. ALONG ALTERNATE BOTTOM RAIL
FASTENERS			
38A	-	3/16" TAPCON (SEE NOTE 2)	2 PER HEAD STRIKE PLATE INTO CONCRETE/BLOCK
38B	-	MIN. NO. 8 S/STL SMS (SEE NOTE 2)	2 PER HEAD STRIKE PLATE INTO WOOD BUCK
39A	-	1/4" TAPCON (SEE NOTE 2)	3 AT SILL STRIKE LOCATIONS SPACED 3" APART
39B	-	NO. 12 S/STL SMS (SEE NOTE 2)	3 AT SILL STRIKE LOCATIONS SPACED 3" APART
40A	-	1/4" TAPCON (SEE NOTE 2)	DOUBLE DOOR THRESHOLD FASTENERS INTO CONCRETE SILL
40B	-	NO. 10 S/STL SMS (SEE NOTE 2)	DOUBLE DOOR THRESHOLD FASTENERS INTO WOOD SILL
41A	-	NO. 10 S/STL SMS (SEE NOTE 2)	HEAD JAMB SCREWS

NOTE: ALL PARTS ARE TO BE PER MARVIN SPECIFICATIONS AND THEIR PARTS DRAWINGS. (PARTS DRAWING NUMBERS ARE THE REFERENCE NUMBERS IN THIS TABLE)

PARTS LIST			
NO.	REF. NO.	DESCRIPTION	NOTES
41B	-	NO. 10 S/STL SMS (SEE NOTE 2)	HINGE SIDE JAMB FASTENERS
41C	-	NO. 10 S/STL SMS (SEE NOTE 2)	SINGLE DOOR LOCKING JAMB FASTENERS
42A	-	1/4" TAPCON (SEE NOTE 2)	SINGLE DOOR THRESHOLD FASTENERS INTO CONCRETE SILL
42B	-	NO. 10 S/STL SMS (SEE NOTE 2)	SINGLE DOOR THRESHOLD FASTENERS INTO WOOD SILL
43A	-	NO. 10 S/STL SMS (SEE NOTE 2)	1 PER HINGE THROUGH JAMB & INTO BUCK
43B	-	NO. 10 X 1" S/STL SMS	4 PER HINGE INTO JAMB
43C	-	NO. 8 X 1 1/2" S/STL SMS	4 PER HINGE INTO STILE
43D	-	NO. 10 X 2 1/2" S/STL SMS	1 PER HINGE THROUGH JAMB & INTO MULLION
44	-	1 5/8" GALV. ROOFING NAIL	WITHIN 3 1/2" OF CORNERS & MAX. 10.5" O.C.
45	-	NO. 10 SMS	4" FROM CORNERS & MAX. 15" O.C. AT FIXED PANEL JAMBS
46	-	1 1/2" BRAD NAIL	2 PER EACH LOCKING STILE CENTER & END PLUG (6 TOTAL/LOCKING STILE)
47	-	NO. 7 X 2" F.H. SCREW	WITHIN 5" FROM ENDS & MAX. 10" O.C.
48	-	NO. 7 X 2" F.H. SCREW	WITHIN 5" FROM ENDS & MAX. 10" O.C.
49	-	NO. 8 X 1 1/2" F.H. SMS	2 PER MASONRY CLIP INTO BUCK
50	-	NO. 8 X 5/8" F.H. SMS	1 PER MASONRY CLIP INTO JAMB
51	-	NO. 8 X 2 1/2" S/STL SMS	4" FROM CORNERS & MAX. 12" O.C. JAMB TO FIXED PANEL
53	-	NO. 8 X 3" S/STL SMS	1 PER SHOOT BOLT GUIDE INTO PANELS
54	-	NO. 8 X 1 1/2" P.H. S/STL SMS	2.5" FROM ENDS & MAX. 9" O.C. WITH ADDITIONAL ONE AT LOCK THROW
55	-	NO. 8 X 1 1/4" S/STL P.H. SMS	2 1/4" FROM ENDS & MAX. 11" O.C.
56	-	NO. 7 X 2" F.H. SCREW	3 PER JAMB TO JAMB CORNER
57	-	NO. 8 X 1 1/4" F.H. SCREW	1 PER JAMB TO JAMB CORNER (FASTENS CLADDING CORNER)
58	-	NO. 7 X 2" F.H. SCREW	1 PER JAMB TO JAMB CORNER
59	-	NO. 8 X 1 1/2" F.H. SCREW	1 PER JAMB TO THRESHOLD CORNER
60	-	NO. 8 X 3" P.H. SCREW	3 PER JAMB TO THRESHOLD CORNER
61	-	NO. 8 X 1 1/2" P.H. SCREW	1 PER JAMB TO THRESHOLD CORNER
62	-	NO. 8 X 5/8" MACHINE SCREW	2 PER THRESHOLD STRIKE
63	-	NO. 10 X 2" F.H. SMS	4" FROM ENDS & MAX. 12" O.C. JAMB TO ALUM TUBE MULLION
64	-	NO. 10 X 2 1/2" F.H. SMS	4" FROM ENDS & MAX. 12" O.C. EA. SIDE OF MULL (JAMB TO LVL & LVL TO JAMB)
HARDWARE			
65A	00005231	ACTIVE DOOR HANDLE	AMEROCK
65B	00005232	INACTIVE DOOR HANDLE	AMEROCK OR EQUAL HOLDING DADE COUNTY N.O.A.
66	-	ACTIVE DOOR 3-POINT LOCK HARDWARE	GU US CREMONA DOOR BOLT SYSTEM
67	-	INACTIVE DOOR 2-POINT LOCK HARDWARE	GU US CREMONA DOOR BOLT SYSTEM
68	00003749	4X4 ADJUSTIBLE HINGE	AMEROCK BRASS, S/STL OR STEEL HINGES (MIN. Fy = 40ksi)
	00003751	4X4 BUTT HINGE	LAWRENCE BROS. TEMPERED BRASS, S/STL OR STEEL HINGES (MIN. Fy = 40 ksi)
	00014332	4X4 BALL BEARING HINGE	LAWRENCE BROS. BRASS, S/STL OR STEEL HINGES (MIN. Fy = 40 ksi)
OTHER			
72	00003993	NAILING FIN CORNER GASKET	OPTIONAL WITH NAILING FIN
73	00011776	GLASS SETTING BLOCK	2 AT EA. THE LEFT SIDE STILE & BOTTOM RAIL

NOTES:

- ALL WOOD USED WITH TESTED UNITS IS MIN. GRADE 2 WESTERN PINE. ALTERNATE WOOD SPECIES TO PINE ARE MIN. GRADE 2 MAHOGANY, OAK, CHERRY, CYPRUS, & DOUGLAS FIR
- MINIMUM FASTENER EMBED INTO SUBSTRATES SHALL BE THE FOLLOWING:
 - * TAPCONS INTO BLOCK/CONCR. = 1 1/4"
 - * NO. 8 SCREWS INTO WOOD BUCKS = 1 1/4"
 - * NO. 10 SCREWS INTO WOOD BUCKS = 1 3/8"
 - * NO. 12 SCREWS INTO WOOD BUCKS = 1 1/2"
 - * TAPCONS INTO WOOD BUCKS = 1 1/2"
- MINIMUM FASTENER EDGE DISTANCE (INSTALLATION FASTENERS):
 - CONCRETE/BLOCK = 2"
 - WOOD = 1"

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE SEP 20, 2001
BY Ismael I. Chanda
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0430.05

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=1		DATE: 03/28/01	
DATE	BY	REVISION	DESCRIPTION
04/11/01	WWS	A1	ADDED SILL ADHESIVE
04/11/01	WWS	A2	ADDED ALTERNATE HINGES
DRAWING TITLE CLAD OUTSWING FRENCH DOOR NON-IMPACT HP			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.			
MANUFACTURER MARVIN WINDOWS & DOORS			
600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903			
HIGHWAY 11; PO BOX 100 WARROAD, MN 56763 800-346-5044			
CERTIFICATION	DRAWING NO. 1002		
JUL 27 2001	REV. SHEET NO. 11 OF 12		

FIXED SINGLE PANEL (CONFIGURATION = "0")		
FRAME CALL NO.	ALLOWABLE PRESSURE (PSF)	
	POS	NEG
2068	80.0	80.9
2668	65.5	65.5
2868	61.6	61.6
3068	55.0	55.0
2070	80.0	80.0
2670	65.5	65.5
2870	61.6	61.6
3070	55.0	55.0
2080	80.0	80.0
2680	65.5	65.5
2880	61.6	61.6
3080	55.0	55.0

DOUBLE OPERABLE DOORS WITH FIXED PANELS (CONFIGURATION = "XX0", "0XX", "0XX0", "XX00" & "00XX")									
OPERATING DOOR FRAME CALL NO.	ALLOWABLE PRESSURE (PSF)								
	24" WIDE FIXED PANEL		30" WIDE FIXED PANEL		32" WIDE FIXED PANEL		36" WIDE FIXED PANEL		
	POS	NEG	POS	NEG	POS	NEG	POS	NEG	
4068	75.0	80.9	65.5	65.5	61.6	61.6	55.0	55.0	
5068	75.0	77.9	65.5	65.5	61.6	61.6	55.0	55.0	
5468	73.0	73.0	65.5	65.5	61.6	61.6	55.0	55.0	
6068	65.0	65.0	65.0	65.0	61.6	61.6	55.0	55.0	
4070	75.0	80.9	65.5	65.5	61.6	61.6	55.0	55.0	
5070	75.0	75.1	65.5	65.5	61.6	61.6	55.0	55.0	
5470	70.4	70.4	65.5	65.5	61.6	61.6	55.0	55.0	
6070	62.7	62.7	62.7	62.7	61.6	61.6	55.0	55.0	
4080	75.0	80.9	65.5	65.5	61.6	61.6	55.0	55.0	
5080	65.9	65.9	65.5	65.5	61.6	61.6	55.0	55.0	
5480	61.8	61.8	61.8	61.8	61.6	61.6	55.0	55.0	
6080	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	

ALL PANEL WIDTHS ARE NOMINAL DIMENSIONS. ACTUAL PANEL FRAME WIDTHS ARE NOMINAL + 1.438"

OPERABLE DOUBLE DOOR (CONFIGURATION = "XX")		
FRAME CALL NO.	ALLOWABLE PRESSURE (PSF)	
	POS	NEG
4068	75.0	97.1
5068	75.0	77.9
5468	73.0	73.0
6068	65.0	65.0
4070	75.0	93.6
5070	75.0	75.1
5470	70.4	70.4
6070	62.7	62.7
4080	75.0	82.0
5080	65.9	65.9
5480	61.8	61.8
6080	55.0	55.0

MULTIPLE OPERABLE DOUBLE DOORS (CONFIGURATION = "XXXX")		
FRAME CALL NO.	ALLOWABLE PRESSURE (PSF)	
	POS	NEG
4068	75.0	97.1
5068	75.0	77.9
5468	73.0	73.0
6068	65.0	65.0
4070	75.0	93.6
5070	75.0	75.1
5470	70.4	70.4
6070	62.7	62.7
4080	75.0	82.0
5080	65.9	65.9
5480	61.8	61.8
6080	55.0	55.0

EACH DOUBLE DOOR IS CONSIDERED AS EQUAL IN SIZE IN THIS TABLE.

OPERABLE SINGLE DOOR (CONFIGURATION = "X")		
FRAME CALL NO.	ALLOWABLE PRESSURE (PSF)	
	POS	NEG
2068	75.0	95.7
2668	75.0	77.4
2868	72.8	72.8
3068	65.0	65.0
2070	75.0	92.2
2670	74.6	74.6
2870	70.2	70.2
3070	62.7	62.7
2080	75.0	80.9
2680	65.5	65.5
2880	61.6	61.6
3080	55.0	55.0

SINGLE OPERABLE DOORS WITH FIXED PANELS (CONFIGURATION = "X0", "0X", "0X0" & "X0X")									
OPERATING DOOR FRAME CALL NO.	ALLOWABLE PRESSURE (PSF)								
	24" WIDE FIXED PANEL		30" WIDE FIXED PANEL		32" WIDE FIXED PANEL		36" WIDE FIXED PANEL		
	POS	NEG	POS	NEG	POS	NEG	POS	NEG	
2068	75.0	80.9	65.5	65.5	61.6	61.6	55.0	55.0	
2668	75.0	77.4	65.5	65.5	61.6	61.6	55.0	55.0	
2868	72.8	72.8	65.5	65.5	61.6	61.6	55.0	55.0	
3068	65.0	65.0	65.0	65.0	61.6	61.6	55.0	55.0	
2070	75.0	80.9	65.5	65.5	61.6	61.6	55.0	55.0	
2670	74.6	74.6	65.5	65.5	61.6	61.6	55.0	55.0	
2870	70.2	70.2	65.5	65.5	61.6	61.6	55.0	55.0	
3070	62.7	62.7	62.7	62.7	61.6	61.6	55.0	55.0	
2080	75.0	80.9	65.5	65.5	61.6	61.6	55.0	55.0	
2680	65.5	65.5	65.5	65.5	61.6	61.6	55.0	55.0	
2880	61.6	61.6	61.6	61.6	61.6	61.6	55.0	55.0	
3080	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	

ALL PANEL WIDTHS ARE NOMINAL DIMENSIONS. ACTUAL PANEL FRAME WIDTHS ARE NOMINAL + 1.438"

FIXED MULTIPLE PANELS (CONFIGURATION = "00" TO "0000")		
FRAME CALL NO.	ALLOWABLE PRESSURE (PSF)	
	POS	NEG
2068	80.0	80.9
2668	65.5	65.5
2868	61.6	61.6
3068	55.0	55.0
2070	80.0	80.0
2670	65.5	65.5
2870	61.6	61.6
3070	55.0	55.0
2080	80.0	80.0
2680	65.5	65.5
2880	61.6	61.6
3080	55.0	55.0

THIS TABLE APPLIES FOR ANY NUMBER OF FIXED PANELS SIDE BY SIDE & CONSIDERS EACH PANEL BEING EQUAL IN SIZE.

HINGE TABLE	
DOOR FRAME HEIGHT	NO. HINGES REQ'D PER PANEL
82"	3
86"	4
98"	4

FRAME CALL NUMBERS DESCRIBE THE NOMINAL WIDTH & HEIGHT OF THE DOOR
 EX: 2068 = DOOR 2'-0" WIDE X 6'-8" TALL
 ACTUAL FRAME SIZE IS TYPICALLY 1.5" WIDER & 2" TALLER THAN THE NOMINAL SIZE

NOTE: TABULATED VALUES ARE FOR THE ALLOWABLE DESIGN PRESSURE RATINGS OF THE UNIT SIZES & CONFIGURATIONS SHOWN.

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=1	DATE: 03/28/01
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE CLAD OUTSWING FRENCH DOOR NON-IMPACT HP	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	
MANUFACTURER MARVIN WINDOWS & DOORS HIGHWAY 11, PO BOX 100 WARROAD, MN 56763 800-346-5044	
CERTIFICATION JUL 27 2001 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1002	REV.
SHEET NO. 12 OF 12	

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE SEPTEMBER 20, 2001
 BY Shaq I. Chauda
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 01-0430.05