



MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING

**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

**PRODUCT CONTROL NOTICE OF ACCEPTANCE**

**Marvin Windows & Doors**  
**Highway 11**  
**Warroad**

**MN 56763-0100**

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

**CONTRACTOR ENFORCEMENT SECTION**  
(305) 375-2966 FAX (305) 375-2908

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

Your application for Product Approval of:

***Aluminum Clad Wood Sliding Glass French Door***

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 approval shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at anytime 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 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.: 99-1115.01 (Revises No.: 97-0815.12)**

**Expires: 10/24/2003**

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 Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.  
Director

Miami-Dade County  
Building Code Compliance Office

**Approved: 05/19/2000**

1 of 3



**Marvin Windows & Doors.**

ACCEPTANCE No. : 99-1115.01

APPROVED : MAY 19 2000

EXPIRES : October 24, 2003

**NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS**

**1. SCOPE**

- 1.1 This renews the Notice of Acceptance, No. 97-0815.12, which was issued on December 09, 1999. It approves an aluminum clad wood sliding French door sidelite, 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 **Aluminum Clad Wood Sliding Glass French Door** and its components shall be constructed in strict compliance with the following documents: Drawing No. **00014420**, Sheets 1 thru 11 of 11, titled "Clad Sliding French Door Dade County," prepared by manufacturer, dated 10/12/99, 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 only, as shown in approved drawings.  
3.2 For Design Pressure Rating vs. Window Size, see "Allowable Design Pressure" table, in approved drawings.

**4. INSTALLATION**

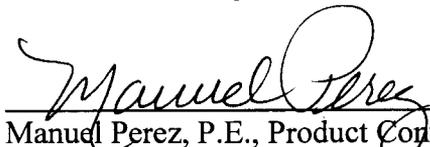
- 4.1 The aluminum clad wood sliding French door and its components shall be installed in strict compliance with the approved drawings.  
4.2 The installation of this product **will require** a hurricane protection system.

**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.

  
Manuel Perez, P.E., Product Control Examiner  
Product Control Division

**Marvin Windows & Doors.**

**ACCEPTANCE No. :** 99-1115.01

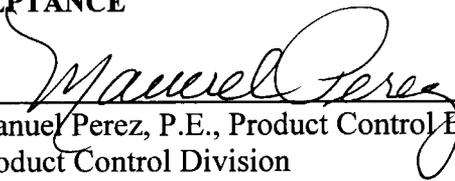
**APPROVED :** MAY 19 2000

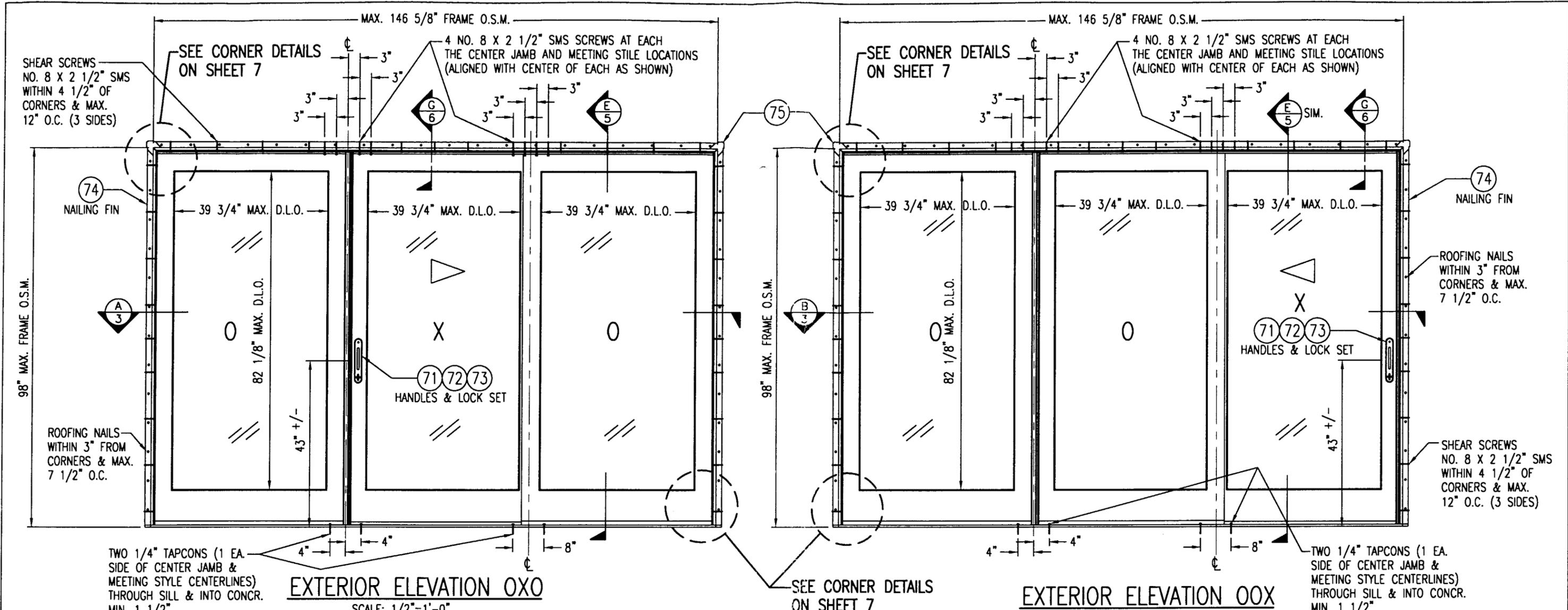
**EXPIRES :** October 24, 2003

**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**

  
Manuel Perez, P.E., Product Control Examiner  
Product Control Division



**EXTERIOR ELEVATION OXO**

SCALE: 1/2"=1'-0"

**SCREW & FIN  
INSTALLATION**  
REF. X00 ELEVATION  
FOR CLIP INSTALLATION

**EXTERIOR ELEVATION OOX**

SCALE: 1/2"=1'-0"

**SCREW & FIN  
INSTALLATION**  
REF. X00 ELEVATION  
FOR CLIP INSTALLATION

**ALLOWABLE DESIGN PRESSURES**  
SEE DESIGN PRESSURE TABLE ON SHEET 2

**NOTE: THIS DOOR SYSTEM IS A NON-IMPACT  
PRODUCT & MUST BE SHUTTERED WHERE  
REQUIRED BY CODES.**

**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 TO WITHSTAND WIND LOADS AS DETERMINED FOR EA. APPLICATION
3. BUCKING FASTENERS MAY NOT EXCEED 16" O.C. SPACING AROUND OPENINGS REGARDLESS OF CIRCUMSTANCE.
4. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & MAY NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS.
5. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS PROPOSED FOR FORCED ENTRY, WATER, AIR, UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH DADE COUNTY PROTOCOL PA 202.
6. ALL JAMB TO BUCKING SHEAR FASTENERS MUST PENETRATE BUCK A MINIMUM OF 1 1/4". IF PENETRATION IS LESS THAN 1 1/4" THEN SCREW LENGTH SHALL INCREASE AS REQUIRED.
7. THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE SOUTH FLORIDA BUILDING CODE, 1994 EDITION.
8. THIS PRODUCT HAS BEEN TESTED IN ACCORDANCE WITH DADE COUNTY PROTOCOL PA-202 FOR STRUCTURAL TESTING & MUST BE SHUTTERED IN AREAS WHERE IMPACT RESISTANCE IS REQUIRED.

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE *May 19, 2009*  
BY *Manuel Perez*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. *99-1115-01*

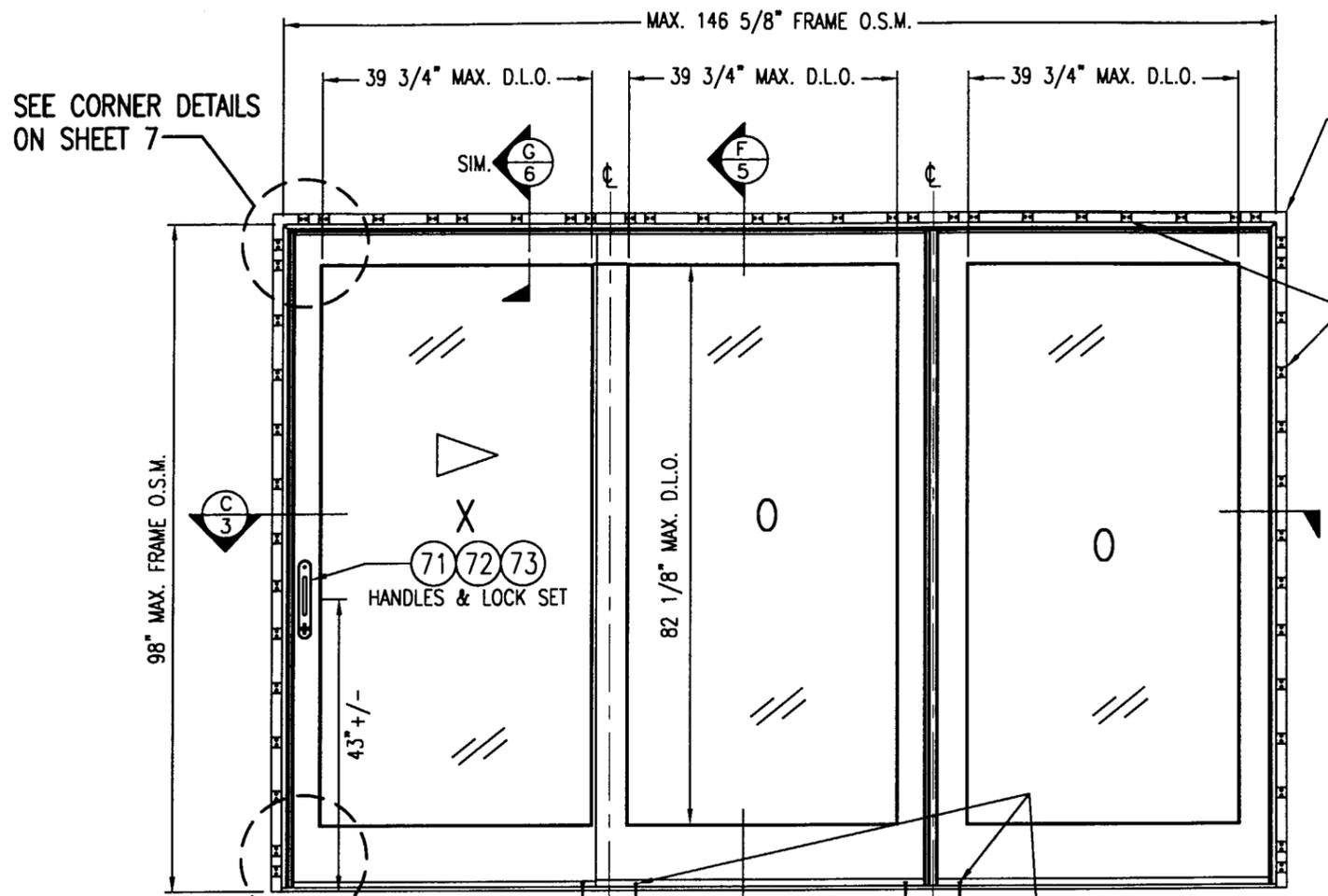
| REV# | DESCRIPTION | ECN NO. | DATE | DRAFTER |
|------|-------------|---------|------|---------|
|      |             |         |      |         |

**MAR 14 2000**

*W. W. Schaefer*  
WARREN W. SCHAEFER, P.E.  
STRUCTURAL ENGINEER  
P.E. No. 44135

**W. W. SCHAEFER ENGINEERING  
& CONSULTING, P.A.**  
STRUCTURAL CONSULTING ENGINEERS  
600 SANDTREE DRIVE, SUITE 203B  
PALM BEACH GARDENS, FL 33403  
PHONE: 561-775-4902

|   |                |  |                |
|---|----------------|--|----------------|
| WOOD PART DIP SPEC<br><input type="checkbox"/> DIP <input type="checkbox"/> AT MLDR.<br><input type="checkbox"/> NO DIP <input type="checkbox"/> IN PROD. |                | <b>MARVIN</b> RESEARCH AND DEVELOPMENT<br>BOX 100, WARROAD, MN 56763<br>WINDOWS&DOORS. (218) 386-1430 FAX 386-1913 |                |
| PRODUCT LINE: CLAD SLIDING FRENCH DOOR  |                | PRODUCT: DADE COUNTY   |                |
| ASSEMBLY ELEVATIONS   |                |  |                |
| MATERIAL: N/A   | SIZE: B        | DRAWING NO: 00014420   |                |
| SCALE: NOTED  | DATE: 10/12/99 | DRAWN BY: WWS  | SHEET: 1 OF 11 |



EXTERIOR ELEVATION XOO

SCALE: 1/2"=1'-0"

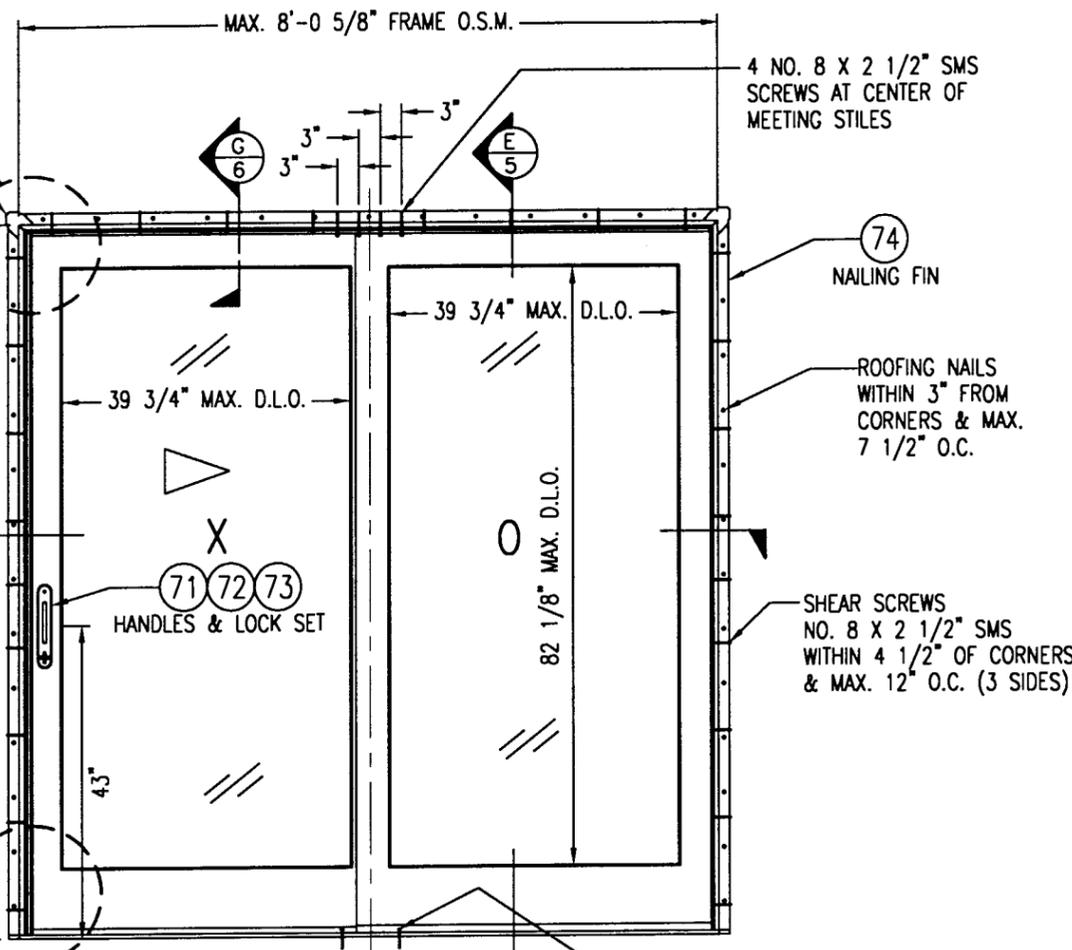
CLIP  
INSTALLATION  
REF. OOX ELEVATION  
FOR SCREW & FIN  
INSTALLATION

TWO 1/4" TAPCONS (1 EA.  
SIDE OF CENTER JAMB &  
MEETING STYLE CENTERLINES)  
THROUGH SILL & INTO CONCR.  
MIN. 1 1/2"

SEE CORNER DETAILS  
ON SHEET 7

BUCK BY OTHERS

35  
STRUCTURAL CLIP.  
SIDE JAMBS: 2 CLIPS  
WITHIN 6" OF CORNERS  
& MAX. 8" O.C.  
HEAD JAMB: 2 CLIPS  
WITHIN 6" OF CORNERS;  
4 CLIPS LOCATED AT  
CENTERLINE OF STILES;  
REMAINING CLIPS AT  
MAX. 8" O.C.



EXTERIOR ELEVATION XO & OX

SCALE: 1/2"=1'-0"

SCREW & FIN  
INSTALLATION  
REF. XOO ELEVATION  
FOR CLIP INSTALLATION

TWO 1/4" TAPCONS (1 EA.  
SIDE OF MEETING STILES  
CENTERLINE)  
THROUGH SILL & INTO CONCR.  
MIN. 1 1/2"

*Center jamb  
anchors  
# 3x3"*

SEE CORNER DETAILS  
ON SHEET 7

ALLOWABLE DESIGN PRESSURE (PSF)  
POSITIVE & NEGATIVE PSF  
AS CONTROLLED BY WIND PRESSURE

| PANEL CALL<br>HEIGHT/FRAME<br>O.S.M. | TWO PANEL CALL WIDTH/FRAME O.S.M. |             |             |      | THREE PANEL CALL WIDTH/FRAME O.S.M. |              |               |      |      |      |       |       |
|--------------------------------------|-----------------------------------|-------------|-------------|------|-------------------------------------|--------------|---------------|------|------|------|-------|-------|
|                                      | 5-0/60.625"                       | 6-0/72.625" | 8-0/96.625" |      | 7-6/92.688"                         | 9-0/110.688" | 12-0/146.688" |      |      |      |       |       |
|                                      | POS                               | NEG         | POS         | NEG  | POS                                 | NEG          | POS           | NEG  | POS  | NEG  | POS   | NEG   |
| 6-5/78.75"                           | 60.0                              | 77.3        | 60.0        | 70.1 | 60.0                                | 61.1         | 60.0          | 62.2 | 57.6 | 57.6 | 51.7  | 51.7  |
| 6-8/82.00"                           | 60.0                              | 76.0        | 60.0        | 68.8 | 58.0                                | 58.0         | 60.0          | 60.9 | 56.2 | 56.2 | 50.4  | 50.4  |
| 8-0/98.00"                           | 60.0                              | 64.6        | 55.9        | 55.9 | 45.5                                | 45.5         | 55.6          | 55.6 | 51.0 | 51.0 | *45.1 | *45.1 |

MAX. ALLOWABLE POSITIVE PRESSURE AS CONTROLLED  
BY WATER INFILTRATION TESTING = +60.0 PSF \* = TESTED SIZE

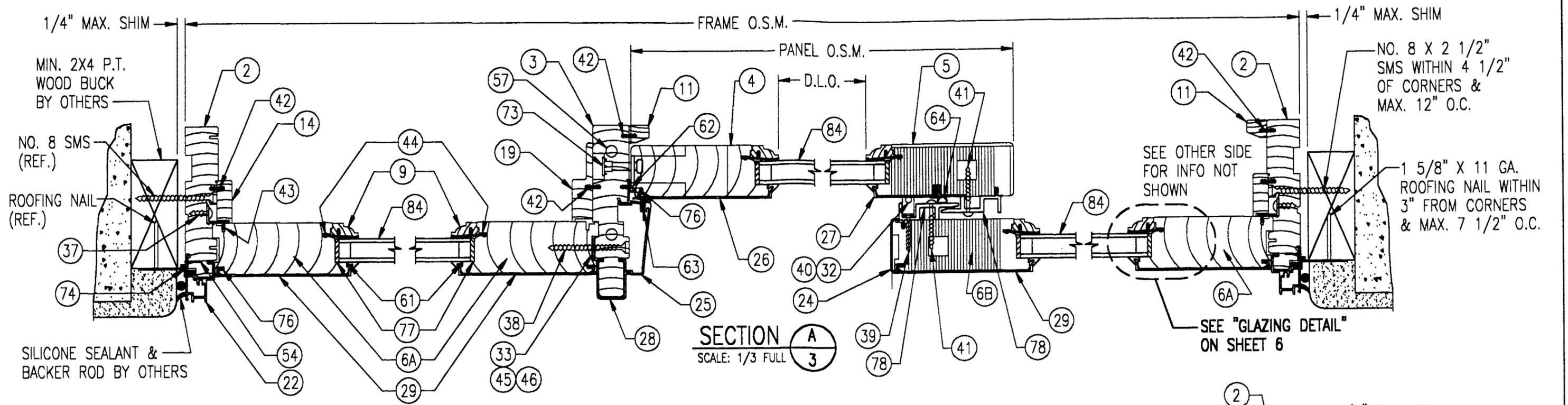
NOTE: WHERE WATER INFILTRATION RESISTANCE IS NOT A REQUIREMENT, ALL POSITIVE LOAD  
VALUES OF 60.0 PSF MAY BE INCREASED TO EQUAL THE CORRESPONDING NEGATIVE VALUES.

NOTE: THIS DOOR SYSTEM IS A NON-IMPACT  
PRODUCT & MUST BE SHUTTERED WHERE  
REQUIRED BY CODES.

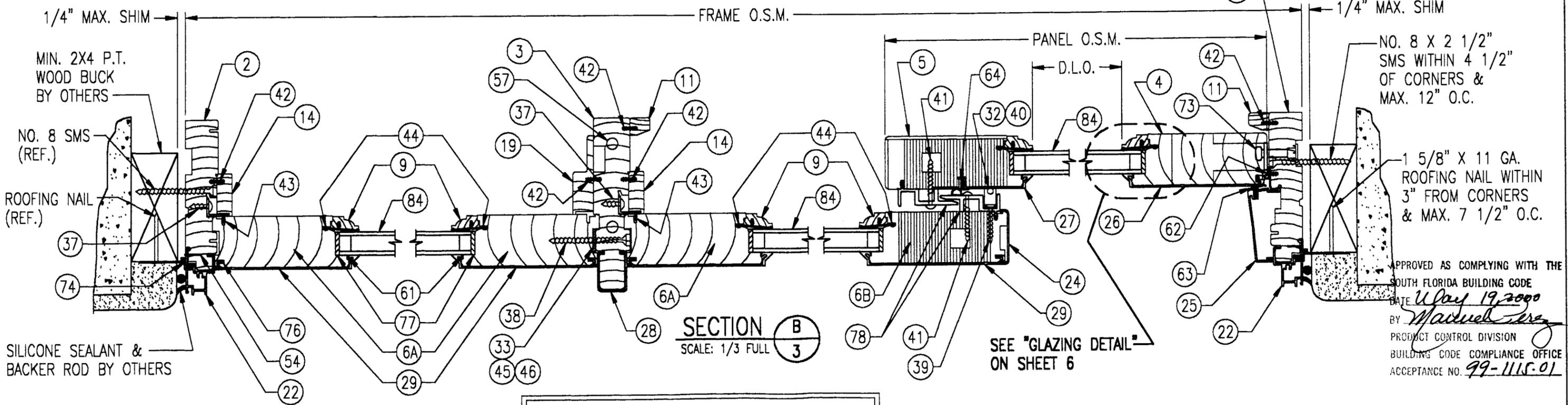
APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE: *May 19, 2000*  
BY: *Manuel Perez*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. *99-1115-01*

|   |                                 |                                   |   |
|---|---------------------------------|-----------------------------------|---|
| <p>MAR 14 2000</p> <p><i>W. Schaefer</i></p> <p>WARREN W. SCHAEFER, P.E.<br/>STRUCTURAL ENGINEER<br/>P.E. No. 44135</p> | WOOD PART DIP SPEC              |                                   | <p><b>MARVIN</b> RESEARCH AND DEVELOPMENT<br/>BOX 100, WARROAD, MN 56763<br/>WINDOWS&amp;DOORS. (218) 386-1430 FAX 386-1913</p> |
|   | <input type="checkbox"/> DIP    | <input type="checkbox"/> AT MLDR. |   |
|   | <input type="checkbox"/> NO DIP | <input type="checkbox"/> IN PROD. |   |
| PRODUCT LINE: CLAD SLIDING FRENCH DOOR  |                                 | DADE COUNTY                       |   |
| ASSEMBLY ELEVATIONS   |                                 |                                   |   |
| MATERIAL: N/A   | SIZE: B                         | DRAWING NO: 00014420              |   |
| SCALE: NOTED  | DATE: 10/12/99                  | DRAWN BY: WWS                     | SHEET: 2 OF 11  |

| REV# | DESCRIPTION | ECN NO. | DATE | DRAFTER |
|------|-------------|---------|------|---------|
|      |             |         |      |         |



**SECTION A**  
SCALE: 1/3 FULL



**SECTION B**  
SCALE: 1/3 FULL

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
DATE May 19, 2000  
BY Marvin  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 99-1115-01

NOTE: ALL NO. 8 JAMB SHEAR SCREWS MAY BE REPLACED WITH 1/4" TAPCONS WHEN MOUNTING DIRECTLY TO BLOCK OR WHEN A SHIM/BUCK SMALLER IN THICKNESS THAN THE 2X4 BUCK IS REQ'D. THE TAPCONS SHALL PENETRATE THE BLOCK MIN. 1 1/4" & HAVE A MIN. BLOCK EDGE DISTANCE = 2 1/2".

| CALL NO.     | GLASS SIZE | DAYLIGHT OPENING | PANEL O.S.M. | FRAME O.S.M. | ROUGH OPENING | MASONRY OPENING |
|--------------|------------|------------------|--------------|--------------|---------------|-----------------|
| 3 PANEL DOOR |            |                  |              |              |               |                 |
| 7-6          | 23.063     | 21.750           | 31.250       | 92.688       | 7'-9"         | 8'-0"           |
| 9-0          | 29.063     | 27.750           | 37.250       | 110.688      | 9'-3"         | 9'-6"           |
| 12-0         | 41.063     | 39.750           | 49.250       | 146.688      | 12'-3"        | 12'-6"          |

MAR 14 2000

WARREN W. SCHAEFER, P.E.  
STRUCTURAL ENGINEER  
P.E. No. 44135

W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.  
STRUCTURAL CONSULTING ENGINEERS  
600 SANDTREE DRIVE, SUITE 203B  
PALM BEACH GARDENS, FL 33403  
PHONE: 561-775-4902

WOOD PART DIP SPEC  
 DIP     AT MLDR.  
 NO DIP     IN PROD.

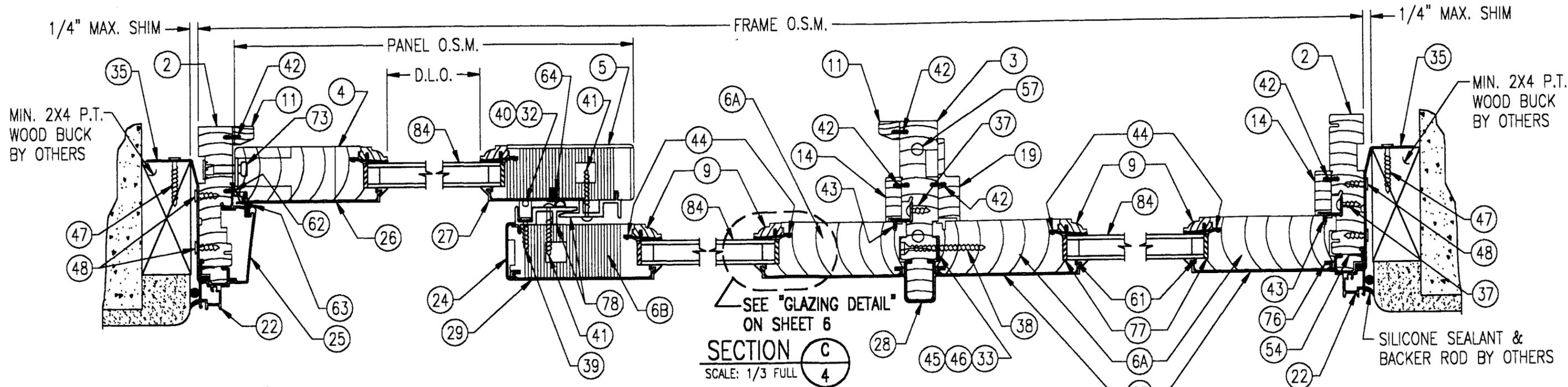
PRODUCT LINE: CLAD SLIDING FRENCH DOOR  
 PRODUCT: DADE COUNTY

**ASSEMBLY SECTIONS & DETAILS**

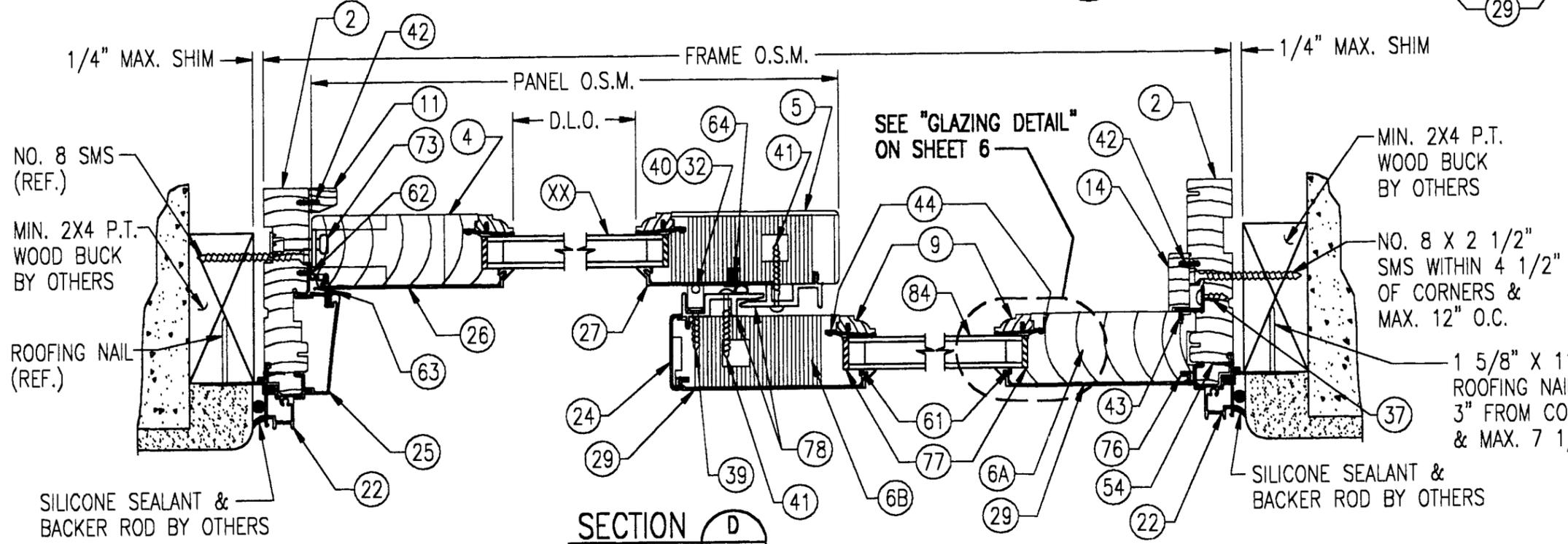
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SCALE: NOTED    DATE: 10/12/99    DRAWN BY: WWS    SHEET: 3 OF 11

| REV# | DESCRIPTION | ECN NO. | DATE | DRAFTER |
|------|-------------|---------|------|---------|
|      |             |         |      |         |



SECTION C  
SCALE: 1/3 FULL



SECTION D  
SCALE: 1/3 FULL

NOTE: ALL NO. 8 JAMB SHEAR SCREWS MAY BE REPLACED WITH 1/4\"/>

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
 DATE: *May 19, 2000*  
 BY: *Marvin Perry*  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. *99-1115.01*

| CALL NO.     | GLASS SIZE | DAYLIGHT OPENING | PANEL O.S.M. | FRAME O.S.M. | ROUGH OPENING | MASONRY OPENING |
|--------------|------------|------------------|--------------|--------------|---------------|-----------------|
| 3 PANEL DOOR |            |                  |              |              |               |                 |
| 7-6          | 23.063     | 21.750           | 31.250       | 92.688       | 7'-9"         | 8'-0"           |
| 9-0          | 29.063     | 27.750           | 37.250       | 110.688      | 9'-3"         | 9'-6"           |
| 12-0         | 41.063     | 39.750           | 49.250       | 146.688      | 12'-3"        | 12'-6"          |
| 2 PANEL DOOR |            |                  |              |              |               |                 |
| 5-0          | 23.063     | 21.750           | 31.250       | 60.625       | 5'-1 1/8"     | 5'-4 1/8"       |
| 6-0          | 29.063     | 27.750           | 37.250       | 72.625       | 6'-1 1/8"     | 6'-4 1/8"       |
| 8-0          | 41.063     | 39.750           | 49.250       | 96.625       | 8'-1 1/8"     | 8'-4 1/8"       |

MAR 14 2000

*W. W. Schaefer*

WARREN W. SCHAEFER, P.E.  
 STRUCTURAL ENGINEER  
 P.E. No. 44136

W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.  
 STRUCTURAL CONSULTING ENGINEERS  
 600 SANDTREE DRIVE, SUITE 203B  
 PALM BEACH GARDENS, FL 33403  
 PHONE: 561-775-4902

WOOD PART DIP SPEC  
 DIP  AT MLDR.  
 NO DIP  IN PROD.

MARVIN RESEARCH AND DEVELOPMENT  
 BOX 100, WARROAD, MN 56763  
 WINDOWS & DOORS (218) 386-1430 FAX 386-1913

PRODUCT LINE: CLAD SLIDING FRENCH DOOR  
 PRODUCT: DADE COUNTY

ASSEMBLY SECTIONS & DETAILS

MATERIAL: N/A

SIZE: B

DRAWING NO: 00014420

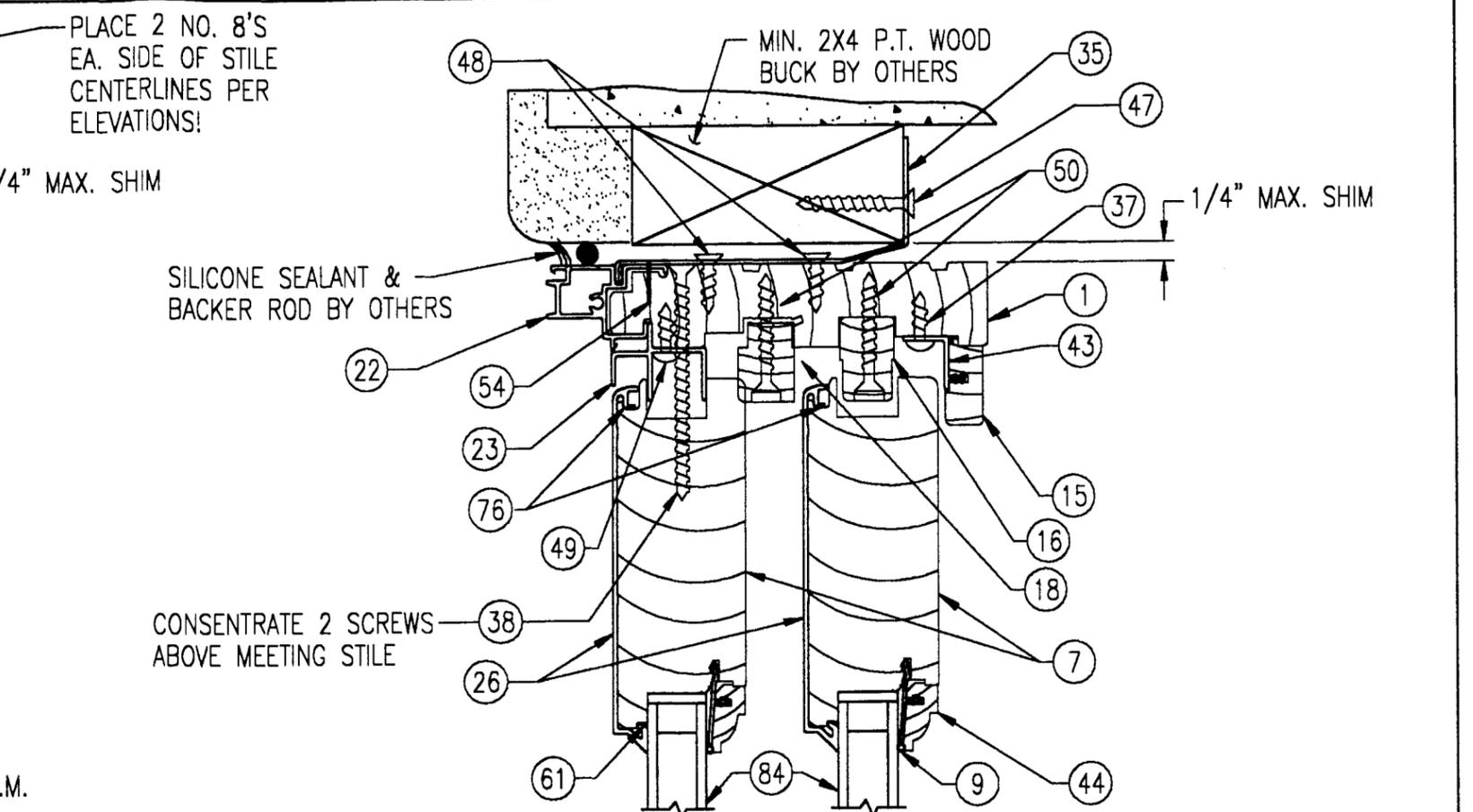
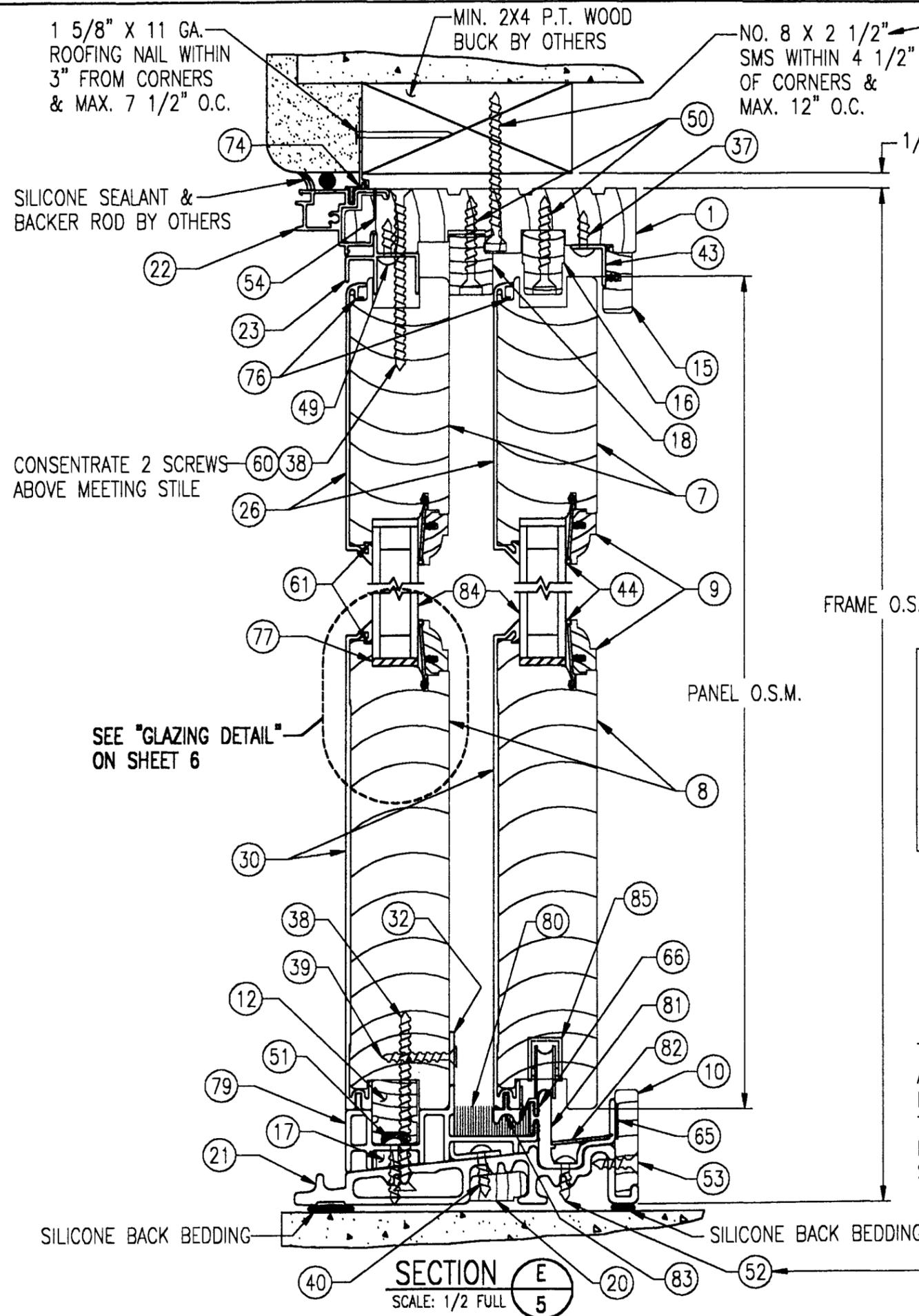
SCALE: NOTED

DATE: 10/12/99

DRAWN BY: WWS

SHEET: 4 OF 11

| REV# | DESCRIPTION | ECN NO. | DATE | DRAFTER |
|------|-------------|---------|------|---------|
|      |             |         |      |         |



NOTE: ALL NO. 8 JAMB SHEAR SCREWS MAY BE REPLACED WITH 1/4" TAPCONS WHEN MOUNTING DIRECTLY TO BLOCK OR WHEN A SHIM/BUCK SMALLER IN THICKNESS THAN THE 2X4 BUCK IS REQ'D. THE TAPCONS SHALL PENETRATE THE BLOCK MIN. 1 1/4" & HAVE A MIN. BLOCK EDGE DISTANCE = 2 1/2".

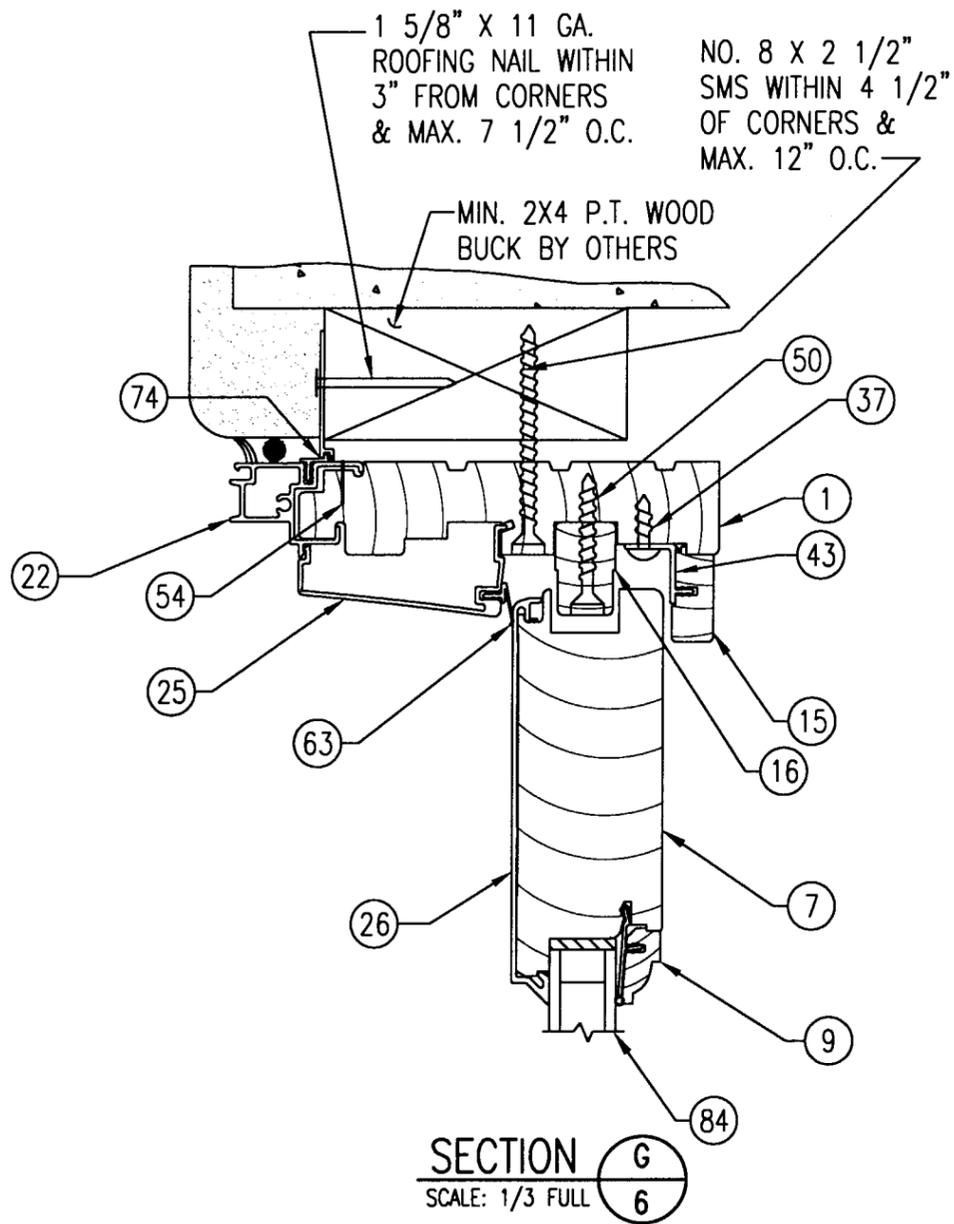
SECTION **F** TYP. CLIP INSTALATION  
 SCALE: 1/2 FULL **5**  
 (REF. SECTION "E" FOR BASE)

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
 DATE May 19, 2000  
 BY Manuel  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 99-1115-01

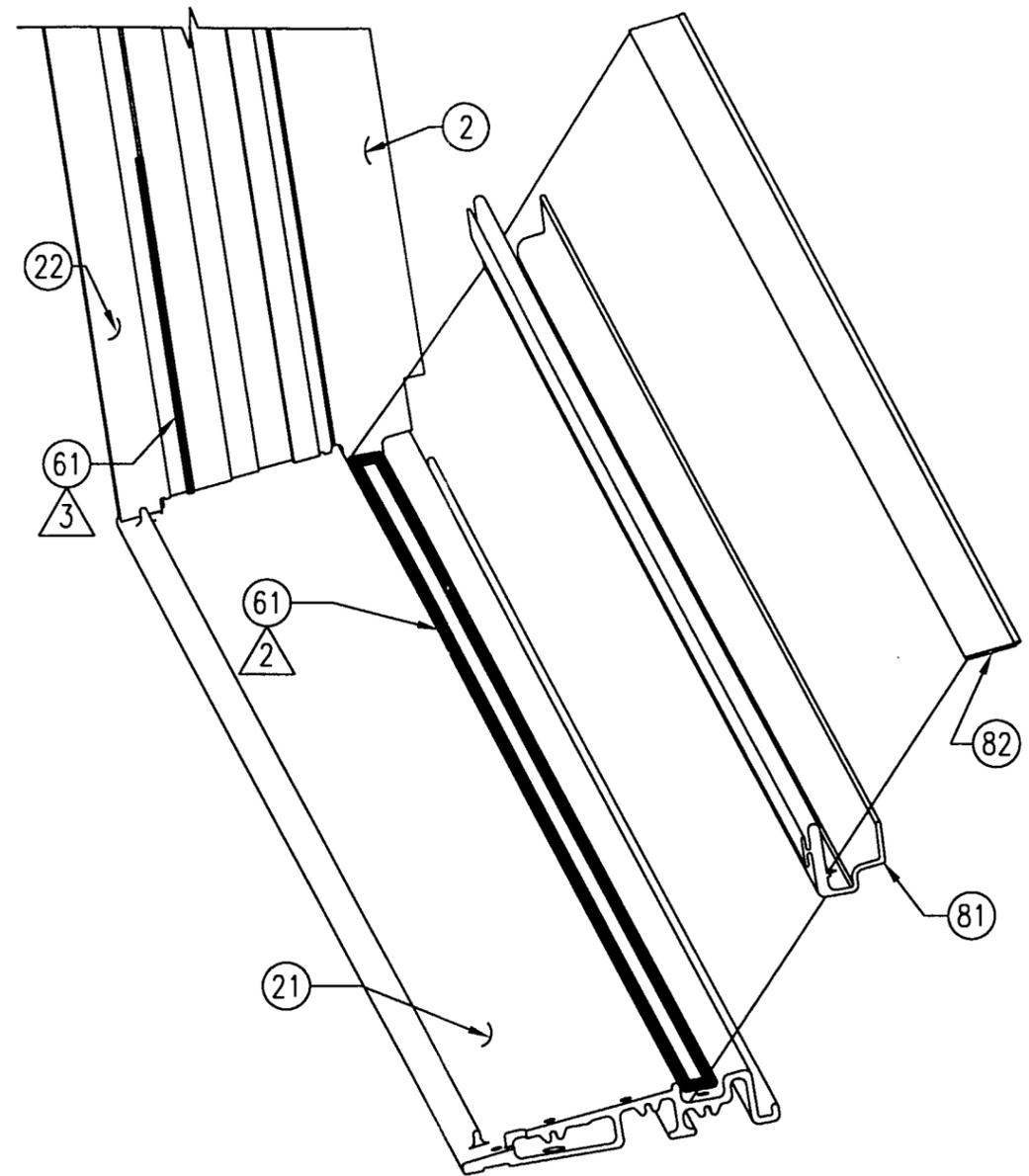
| CALL NO. | GLASS SIZE | DAYLIGHT OPENING | PANEL O.S.M. | FRAME O.S.M. | ROUGH OPENING | MASONRY OPENING |
|----------|------------|------------------|--------------|--------------|---------------|-----------------|
| 6-5      | 64.188     | 62.875           | 75.75        | 78.75        | 6'-7 1/4"     | 6'-10 1/4"      |
| 6-8      | 67.438     | 66.125           | 79.00        | 82.00        | 6'-10 1/2"    | 7'-1 1/2"       |
| 8-0      | 83.438     | 82.125           | 95.00        | 98.00        | 8'-2 1/2"     | 8'-5 1/2"       |

TAPCONS SECURING SILL AT MEETING STILES IS NOT SHOWN FOR CLARITY. THEY ARE POSITIONED IN LINE WITH NO. 52 SCREW SHOWN

| REV#  | DESCRIPTION   | ECN NO.  | DATE           | DRAFTER |
|---|---|--|----------------|---------|
| MAR 14 2000   | WOOD PART DIP SPEC<br><input type="checkbox"/> DIP <input type="checkbox"/> AT MLDR.<br><input type="checkbox"/> NO DIP <input type="checkbox"/> IN PROD. |  |                |         |
| WARREN W. SCHAEFER, P.E.<br>STRUCTURAL ENGINEER<br>P.E. No. 44136   |   | <b>MARVIN</b> RESEARCH AND DEVELOPMENT<br>BOX 100, WARROAD, MN 56763<br>WINDOWS&DOORS. (218) 386-1430 FAX 386-1913 |                |         |
| W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.<br>STRUCTURAL CONSULTING ENGINEERS<br>600 SANDTREE DRIVE, SUITE 203B<br>PALM BEACH GARDENS, FL 33403<br>PHONE: 561-775-4902 |   | PRODUCT LINE: CLAD SLIDING FRENCH DOOR<br>PRODUCT: DADE COUNTY   |                |         |
| ASSEMBLY SECTIONS & DETAILS   |   |  |                |         |
| MATERIAL: N/A   | SIZE: B   | DRAWING NO: 00014420   |                |         |
| SCALE: NOTED  | DATE: 10/12/99  | DRAWN BY: WWS  | SHEET: 5 OF 11 |         |

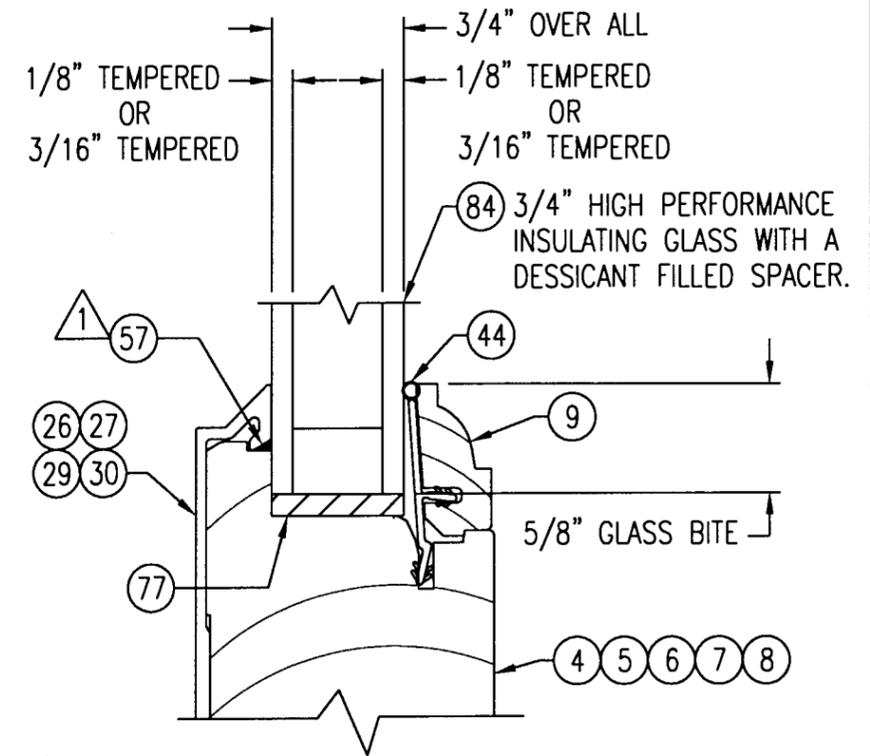


**SECTION G-6**  
SCALE: 1/3 FULL



**SILL SEALANT PLACEMENT**  
SCALE: 1/2 FULL

- ② PLACE A CONTINUOUS 3/16" BEAD OF SEALANT, TO RUN FROM JAMB TO JAMB & ACROSS ENDS, JUST PRIOR TO ASSEMBLY.
- ③ PLACE 1/8" X 6" BEAD OF SEALANT; START AT SILL.

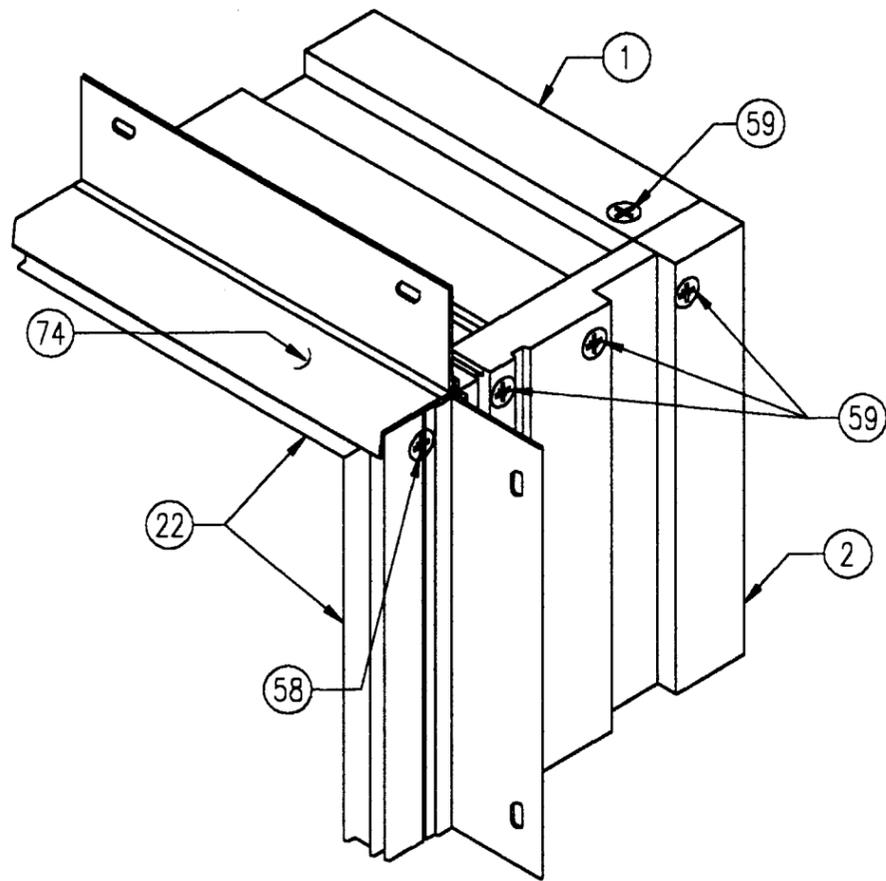


① SILICONE BEAD IS APPLIED AS A 0.188 DIA. + 0.031 ALLOWABLE CORNER SQUEEZE OUT: 1" OFF EACH CORNER AT 3/32"/-0". PLACE SEALANT JUST PRIOR TO GLASS PLACEMENT.

**GLAZING DETAIL**  
SCALE: FULL

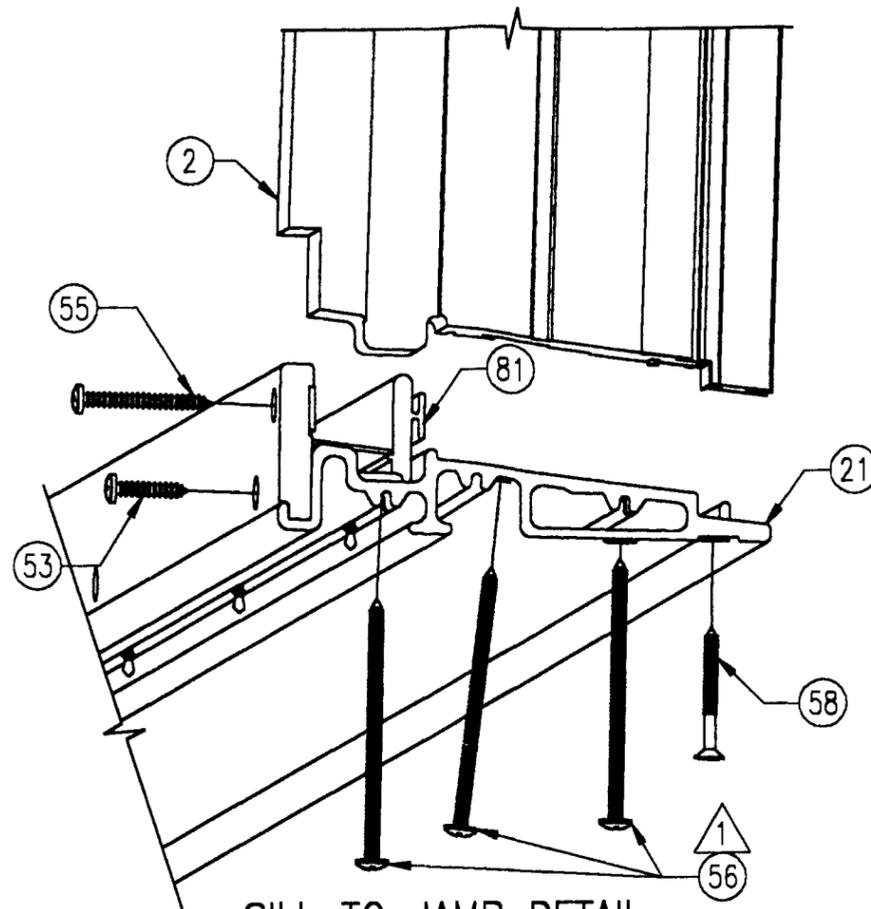
APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
DATE: *May 19, 2000*  
BY: *Manuel Jerez*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. *99-1115-01*

| REV# | DESCRIPTION   | ECN NO.        | DATE                 | DRAFTER        |
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|      | WOOD PART DIP SPEC<br><input type="checkbox"/> DIP <input type="checkbox"/> AT MLDR.<br><input type="checkbox"/> NO DIP <input type="checkbox"/> IN PROD.                 |                |                      |                |
|      | <b>MAR 14 2000</b><br><br>WARREN W. SCHAEFER, P.E.<br>STRUCTURAL ENGINEER<br>P.E. No. 44135   |                |                      |                |
|      | W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.<br>STRUCTURAL CONSULTING ENGINEERS<br>600 SANDTREE DRIVE, SUITE 203B<br>PALM BEACH GARDENS, FL 33403<br>PHONE: 561-775-4902 |                |                      |                |
|      | PRODUCT LINE: CLAD SLIDING FRENCH DOOR<br>PRODUCT: DADE COUNTY  |                |                      |                |
|      | ASSEMBLY<br>MISCELLANEOUS DETAILS   |                |                      |                |
|      | MATERIAL: N/A   | SIZE: B        | DRAWING NO: 00014420 |                |
|      | SCALE: NOTED  | DATE: 10/12/99 | DRAWN BY: WWS        | SHEET: 6 OF 11 |



**JAMB TO JAMB CORNER DETAIL**

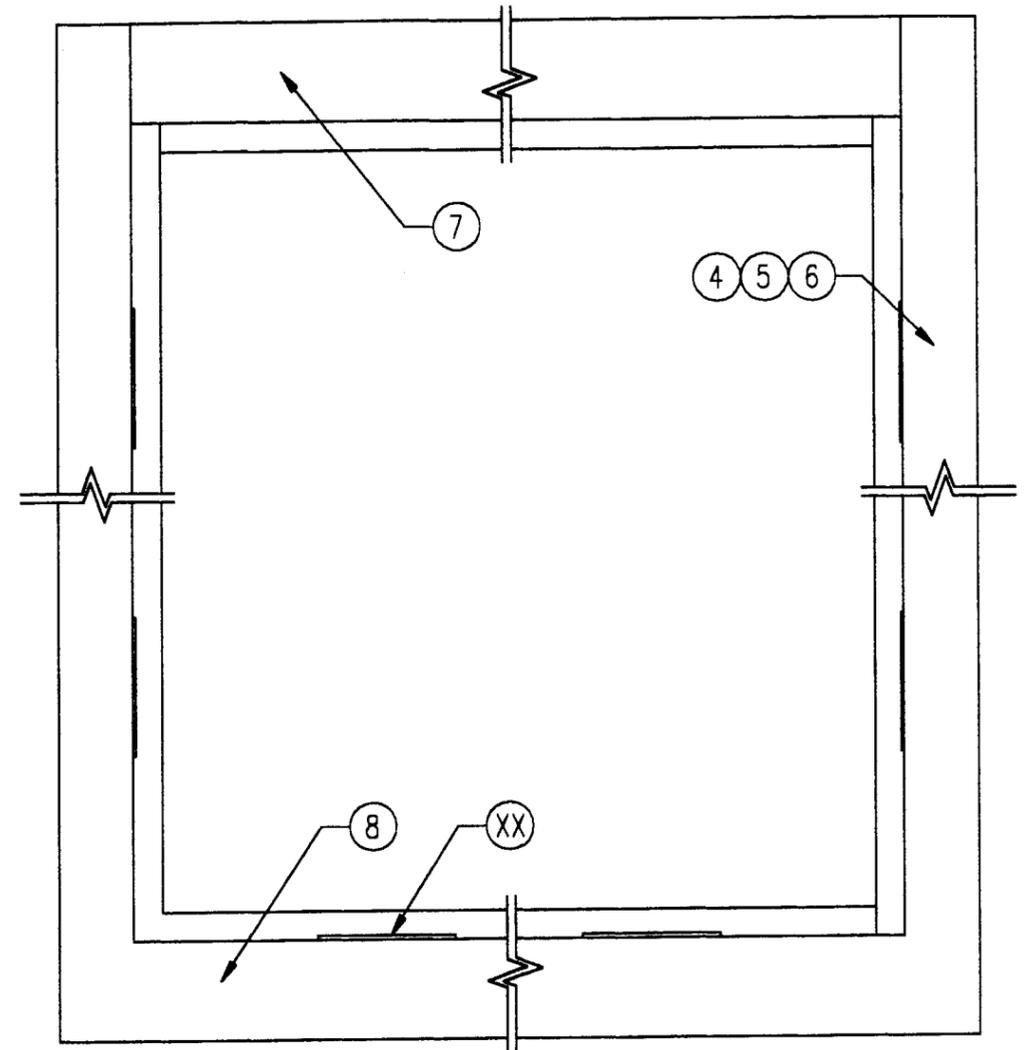
SCALE: 1/2 FULL



**SILL TO JAMB DETAIL**

SCALE: 1/2 FULL

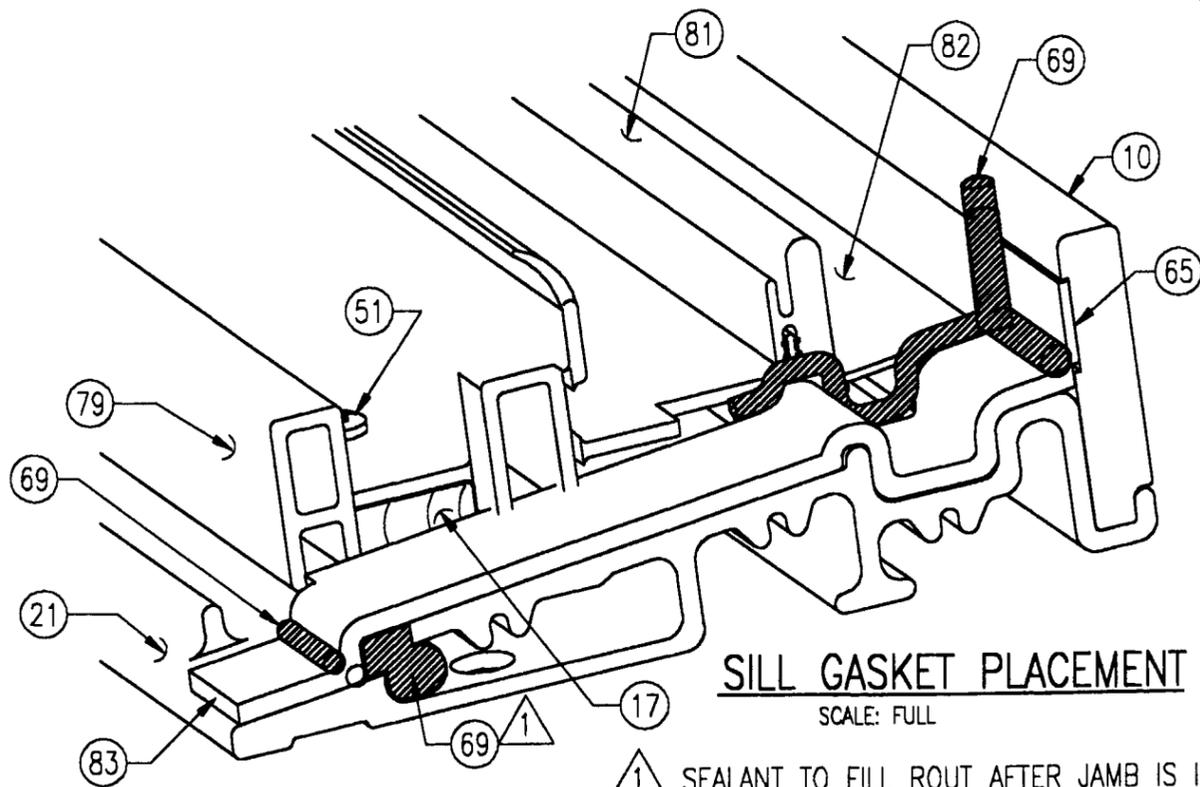
△ AFTER SCREW IS TIGHTENED, COVER SCREW HEAD & SURROUNDING AREA WITH SILICONE SM-5504.



**SETTING BLOCK LOCATION**

SCALE: 1/2 FULL

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
 DATE May 19, 2000  
 BY Marked  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 99-1115.01

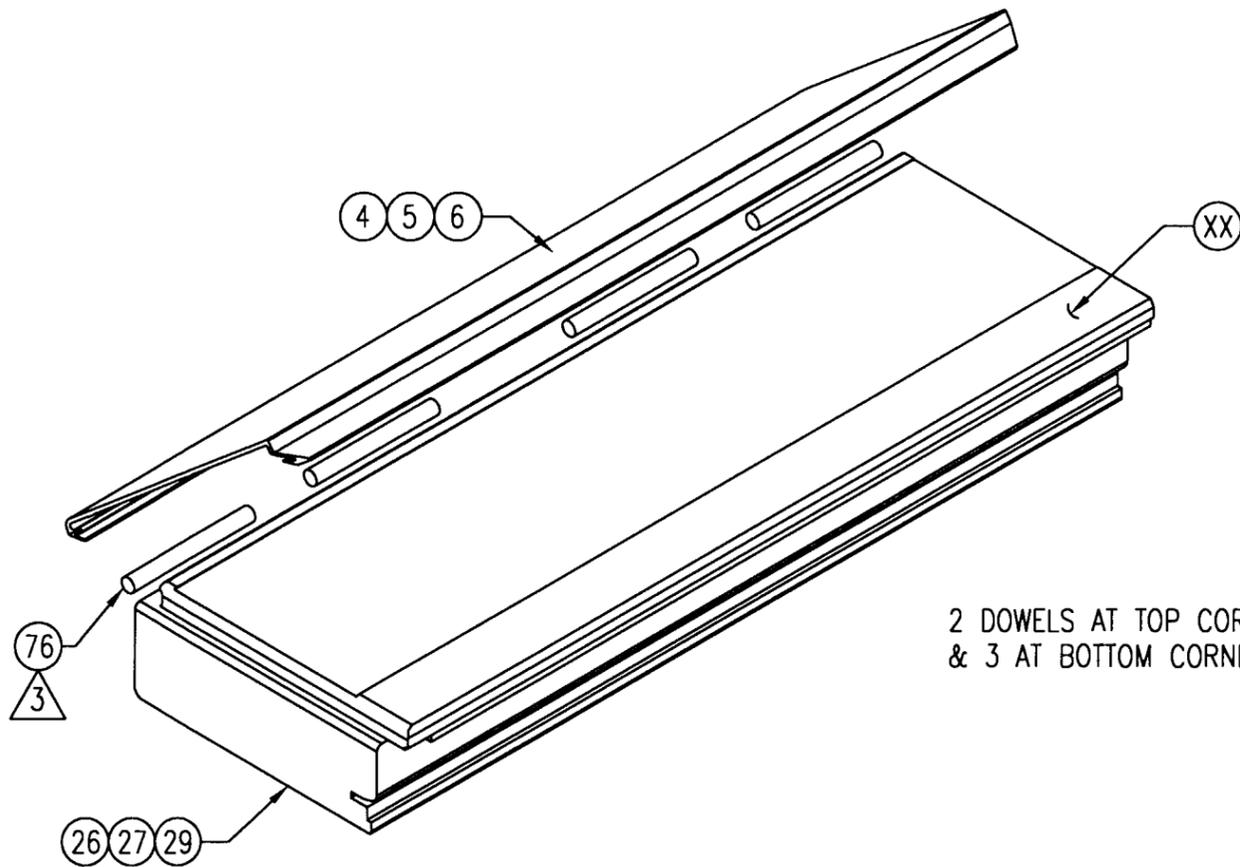


**SILL GASKET PLACEMENT**

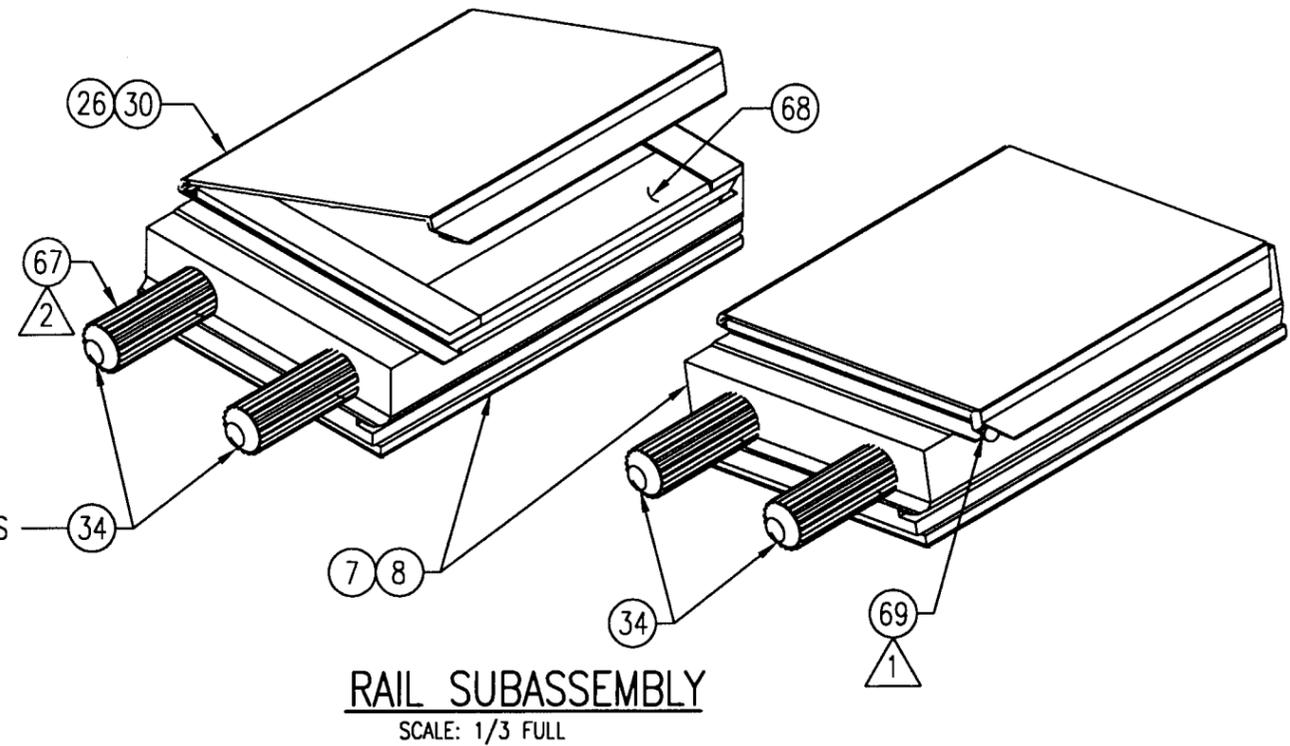
SCALE: FULL

△ SEALANT TO FILL ROUT AFTER JAMB IS IN PLACE (BOTH SIDES)

| REV#  | DESCRIPTION   | ECN NO.   | DATE           | DRAFTER        |
|---|---|---|----------------|----------------|
| MAR 14 2000   | WOOD PART DIP SPEC<br><input type="checkbox"/> DIP <input type="checkbox"/> AT MLDR.<br><input type="checkbox"/> NO DIP <input type="checkbox"/> IN PROD. |   |                |                |
| WARREN W. SCHAEFER, P.E.<br>STRUCTURAL ENGINEER<br>P.E. No. 44136   |   | <b>MARVIN</b> RESEARCH AND DEVELOPMENT<br>BOX 100, WARROD, MN 56763<br>WINDOWS&DOORS. (218) 386-1430 FAX 386-1913 |                |                |
| W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.<br>STRUCTURAL CONSULTING ENGINEERS<br>800 SANDTREE DRIVE, SUITE 203B<br>PALM BEACH GARDENS, FL 33403<br>PHONE: 561-775-4902 |   | PRODUCT LINE: CLAD SLIDING FRENCH DOOR<br>PRODUCT: DADE COUNTY  |                |                |
| <b>ASSEMBLY MISCELLANEOUS DETAILS</b>   |   |   |                |                |
| MATERIAL:   | SIZE:   | DRAWING NO: 00014420  |                |                |
| N/A   | B   | SCALE: NOTED  | DATE: 10/12/99 | DRAWN BY: WWS  |
|   |   |   |                | SHEET: 7 OF 11 |



**STILE SUBASSEMBLY**  
SCALE: 1/3 FULL



**RAIL SUBASSEMBLY**  
SCALE: 1/3 FULL

2 DOWELS AT TOP CORNERS  
& 3 AT BOTTOM CORNERS

- ① PLACE 1/8"-3/16" DOLLOP & BEAD OF SEALANT;  
PLACE A DOLLOP ON 45 DEG. CUT OF METAL & WOOD.  
SEALANT TO BE APPLIED AT BOTH ENDS ON BOTTOM  
& TOP RAIL JUST PRIOR TO ASSEMBLY.
- ② COAT FLUTED SURFACE OF DOWEL WITH ADHESIVE  
PRIOR TO ASSEMBLY.
- ③ BACKER ROD PLACEMENT:  
RAIL: 2 PLACES EVENLY SPACED +/- 2"  
STILE: 4 PLACES EVENLY SPACED +/- 2"

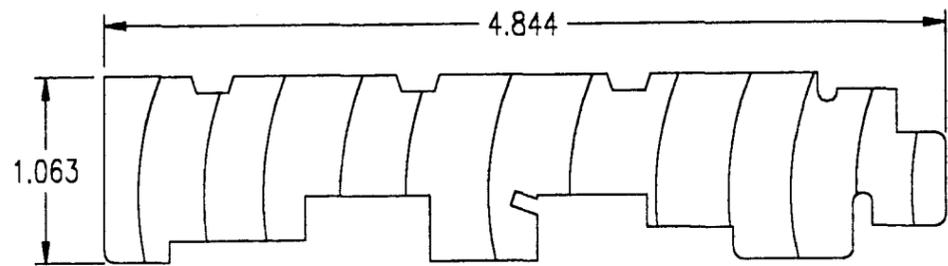
APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE: *May 19, 2000*  
BY: *Marvin*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. *99-1115-01*

| REV# | DESCRIPTION  | ECN NO. | DATE | DRAFTER |
|------|--|---------|------|---------|
|      | WOOD PART DIP SPEC<br><input type="checkbox"/> DIP <input type="checkbox"/> AT MLDR.<br><input type="checkbox"/> NO DIP <input type="checkbox"/> IN PROD.                    |         |      |         |
|      | <b>MAR 14 2000</b><br><i>WWS</i><br>WARREN W. SCHAEFER, P.E.<br>STRUCTURAL ENGINEER<br>P.E. No. 44135  |         |      |         |
|      | W. W. SCHAEFER ENGINEERING<br>& CONSULTING, P.A.<br>STRUCTURAL CONSULTING ENGINEERS<br>600 SANDTREE DRIVE, SUITE 203B<br>PALM BEACH GARDENS, FL 33403<br>PHONE: 561-775-4902 |         |      |         |
|      | MATERIAL: N/A  |         |      |         |
|      | SIZE: B  |         |      |         |
|      | SCALE: NOTED   |         |      |         |
|      | DATE: 10/12/99   |         |      |         |
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|      | DRAWING NO: 00014420   |         |      |         |
|      | SHEET: 8 OF 11   |         |      |         |

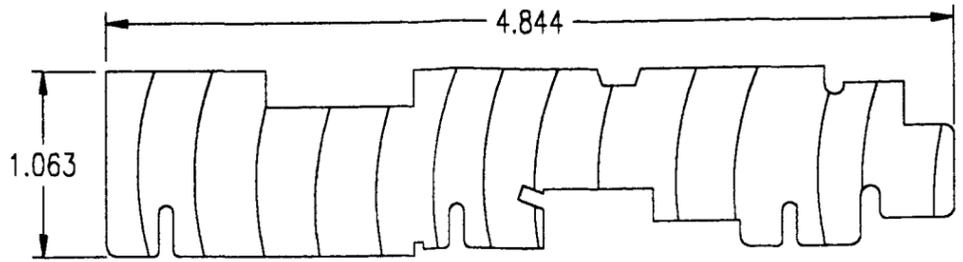
**MARVIN** RESEARCH AND DEVELOPMENT  
BOX 100, WARROAD, MN 56763  
WINDOWS & DOORS. (218) 386-1430 FAX 386-1913

PRODUCT LINE: CLAD SLIDING FRENCH DOOR  
PRODUCT: DADE COUNTY

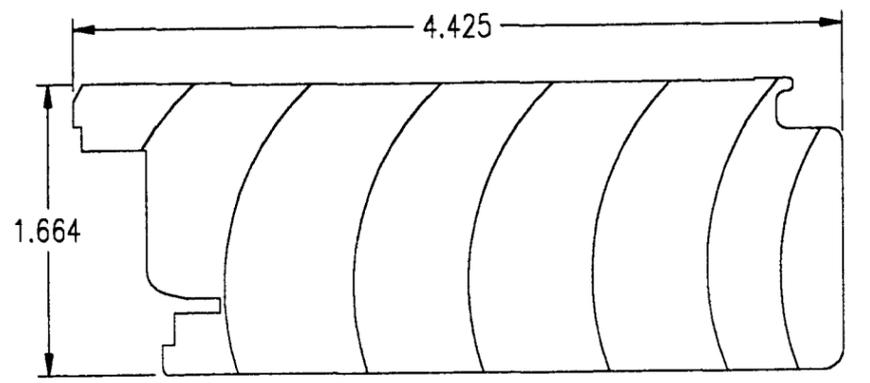
ASSEMBLY  
MISCELLANEOUS DETAILS



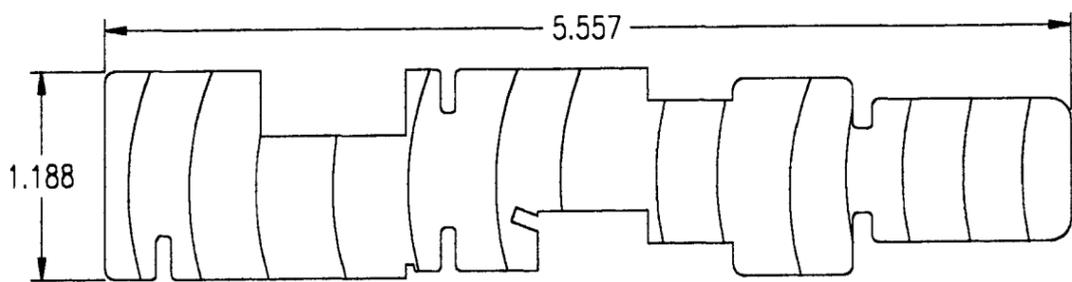
① **HEAD JAMB**  
FINGER JOINTED PONDEROSA PINE (G=0.5)



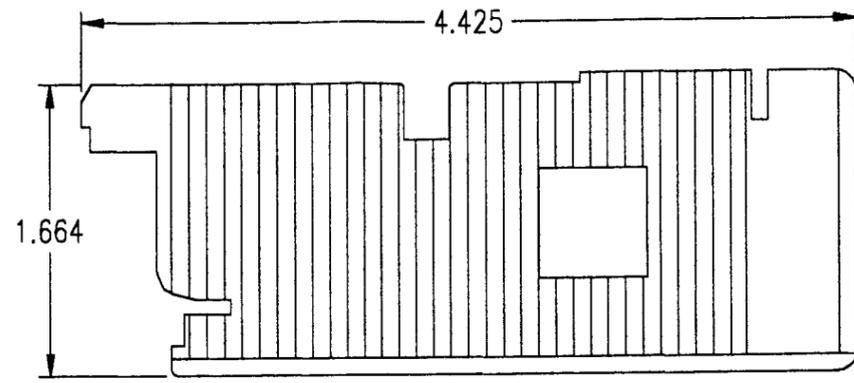
② **SIDE JAMB**  
FINGER JOINTED PONDEROSA PINE (G=0.5)



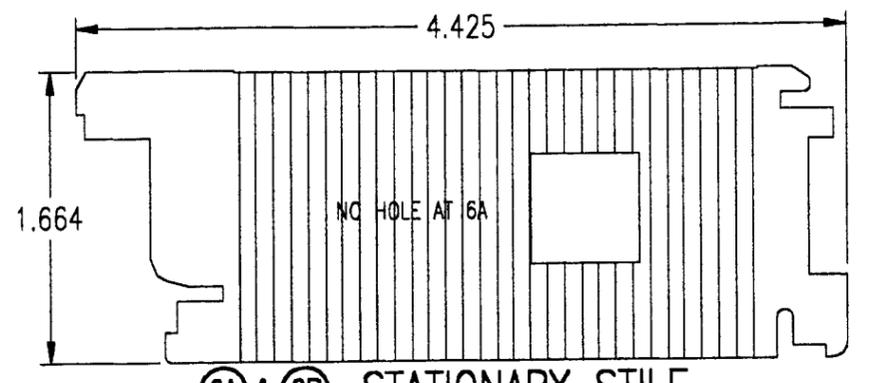
④ **LOCKING STILE**  
FINGER JOINTED PONDEROSA PINE (G=0.5)



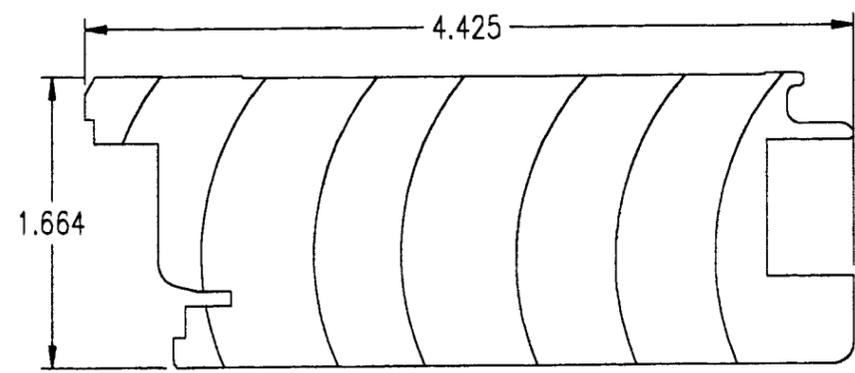
③ **CENTER JAMB**  
FINGER JOINTED PONDEROSA PINE (G=0.5)



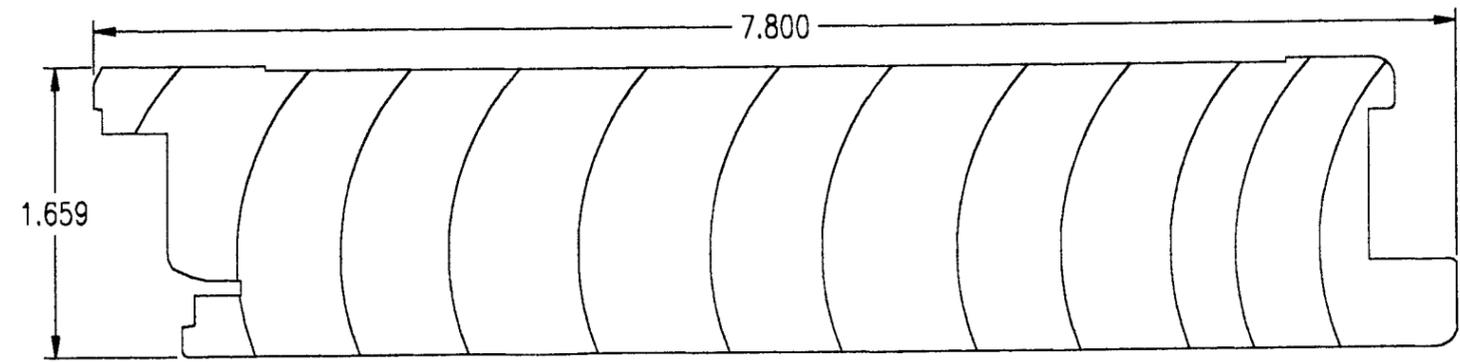
⑤ **MEETING STILE**  
LAMINATED LVL DOUGLAS FIR (G=0.67)



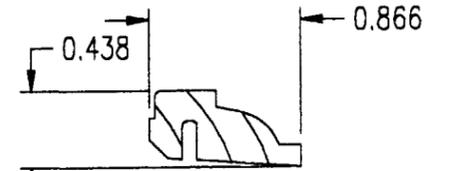
⑥A & ⑥B **STATIONARY STILE**  
FINGER JOINTED PONDEROSA PINE (G=0.5) AT 6A  
LAMINATED LVL DOUGLAS FIR (G=0.67) AT 6B



⑦ **TOP RAIL**  
FINGER JOINTED PONDEROSA PINE (G=0.5)

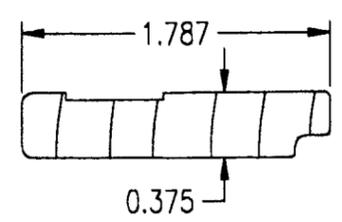


⑧ **BOTTOM RAIL**  
FINGER JOINTED PONDEROSA PINE (G=0.5)

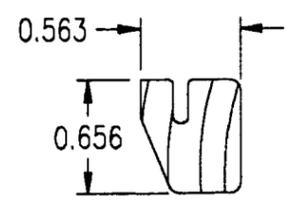


⑨ **GLAZING STOP**  
PONDEROSA PINE (G=0.4)

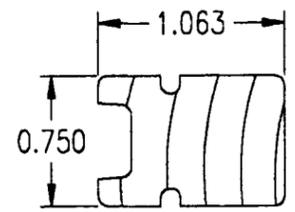
APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE: *May 19, 2000*  
BY: *Warren W. Schaefer*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. *99-1115-01*



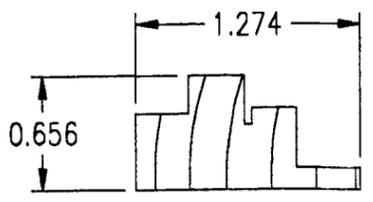
⑩ **SILL LINER**  
OAK (G=0.67)



⑪ **JAMB LINER**  
PONDEROSA PINE (G=0.4)



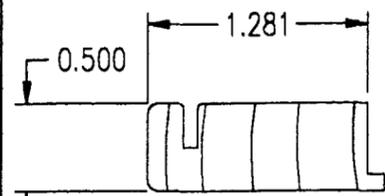
⑫ **FILLER**  
PONDEROSA PINE (G=0.4)



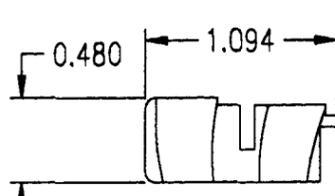
⑬ **BUMPER BLOCK**  
PONDEROSA PINE (G=0.4)

|  |   |                      |   |  |
|--|---|----------------------|---|--|
| <br><b>WARREN W. SCHAEFER, P.E.</b><br>STRUCTURAL ENGINEER<br>P.E. No. 44196 | WOOD PART DIP SPEC<br><input type="checkbox"/> DIP <input type="checkbox"/> AT MLDR.<br><input type="checkbox"/> NO DIP <input type="checkbox"/> IN PROD. |                      | <b>MARVIN</b> RESEARCH AND DEVELOPMENT<br>BOX 100, WARROAD, MN 56763<br>WINDOWS & DOORS (218) 386-1430 FAX 386-1913 |  |
|  | PRODUCT LINE: CLAD SLIDING FRENCH DOOR<br>PRODUCT: DADE COUNTY  |                      |   |  |
| <b>ASSEMBLY PARTS &amp; EXTRUSIONS</b>                                       |   |                      |   |  |
| MATERIAL: N/A  | SIZE: B   | DRAWING NO: 00014420 |   |  |
| SCALE: 1:1   | DATE: 10/12/99  | DRAWN BY: WWS        | SHEET: 9 OF 11  |  |

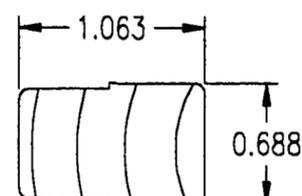
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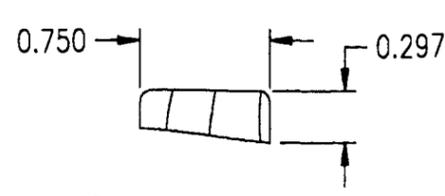
⑭ COVER; STAT. JAMB  
PONDEROSA PINE (G=0.4)



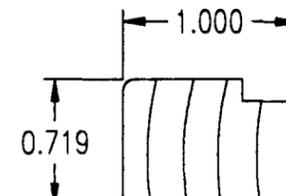
⑮ PANEL GUIDE  
PONDEROSA PINE (G=0.4)



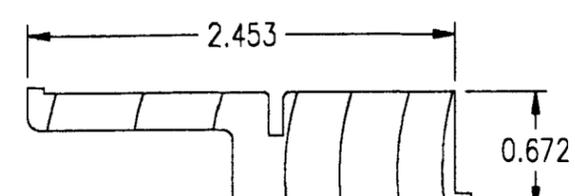
⑯ TOP TRACK  
PONDEROSA PINE (G=0.4)



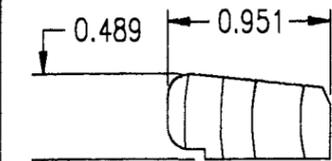
⑰ LEVELING BLOCK  
REINFORCEMENT  
PONDEROSA PINE (G=0.4)



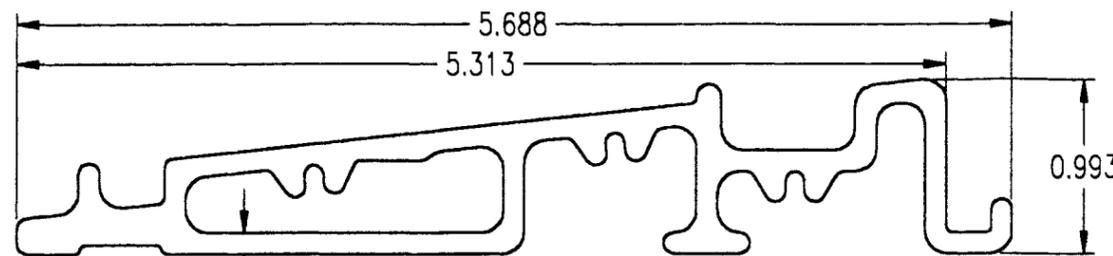
⑱ COVER; HEAD JAMB  
PONDEROSA PINE (G=0.4)



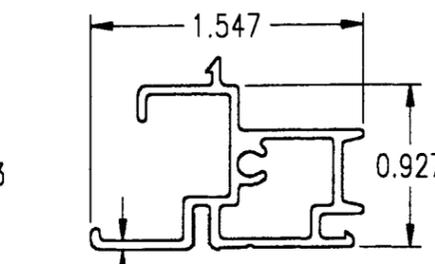
⑲ COVER; CENTER JAMB  
PONDEROSA PINE (G=0.4)



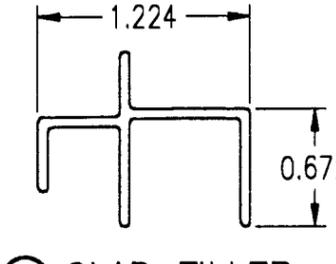
⑳ SCREW SUPPORT  
BLOCK  
PONDEROSA PINE (G=0.4)



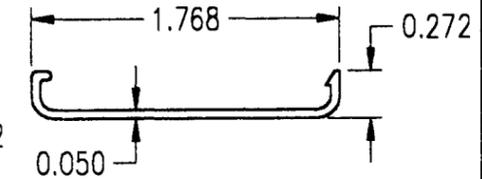
㉑ ULTREX SILL  
FIBERGLASS



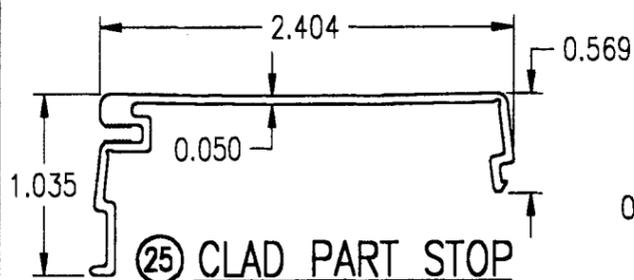
㉒ JAMB CLADDING  
6063-T5 ALUMINUM



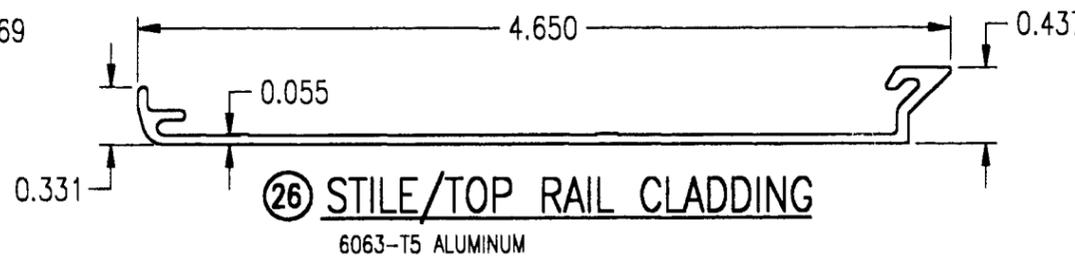
㉓ CLAD FILLER  
6063-T5 ALUMINUM



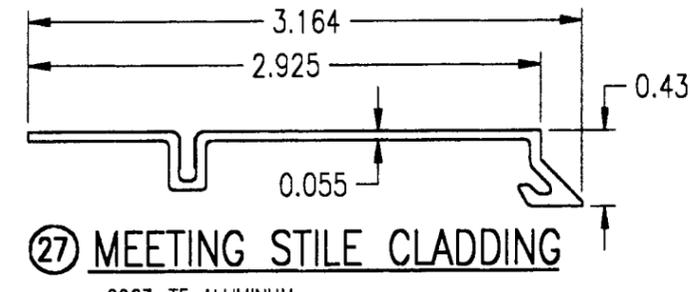
㉔ EDGE COVER  
6063-T5 ALUMINUM



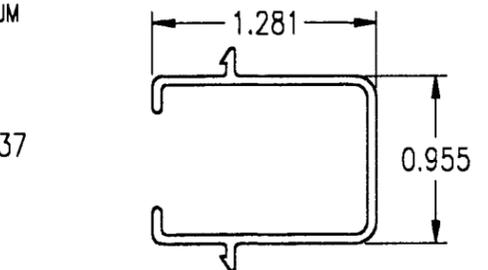
㉕ CLAD PART STOP  
6063-T5 ALUMINUM



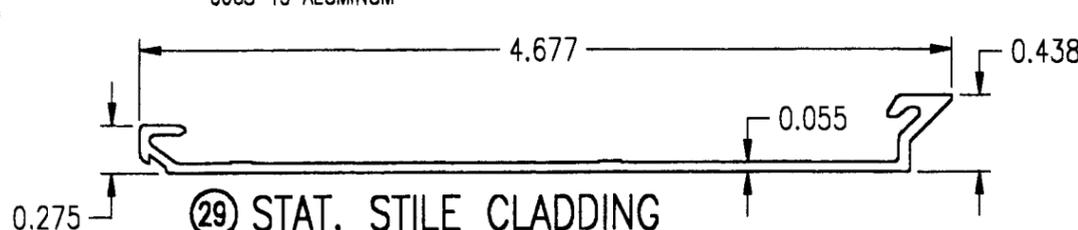
㉖ STILE/TOP RAIL CLADDING  
6063-T5 ALUMINUM



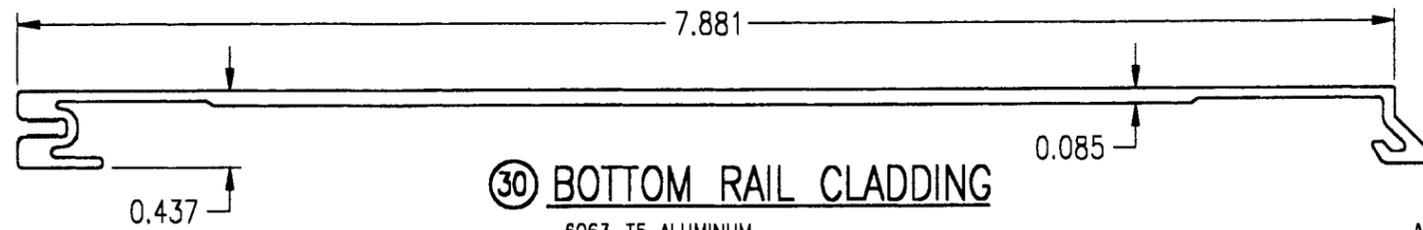
㉗ MEETING STILE CLADDING  
6063-T5 ALUMINUM



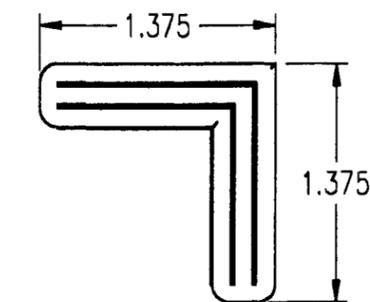
㉘ CENTER JAMB CLADDING  
6063-T5 ALUMINUM



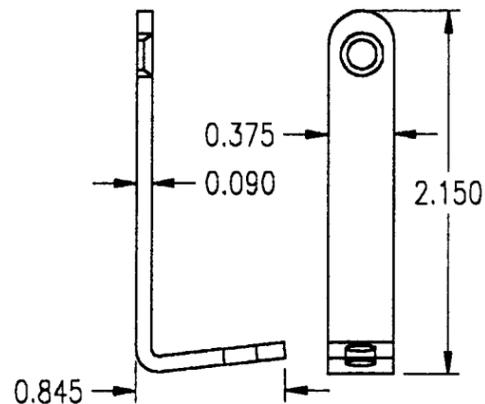
㉙ STAT. STILE CLADDING  
6063-T5 ALUMINUM



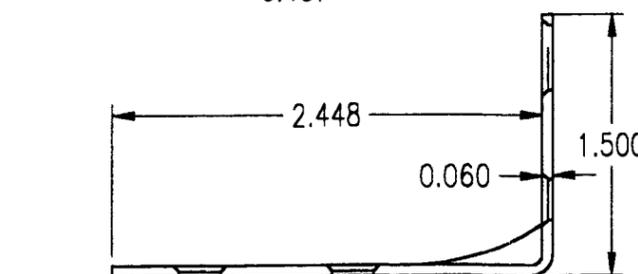
㉚ BOTTOM RAIL CLADDING  
6063-T5 ALUMINUM



㉛ CORNER KEY  
6063-T5 ALUMINUM



㉜ STAT. PANEL BRACKET  
STEEL



㉝ STAT. PANEL BRACKET  
STEEL

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE *May 19, 2000*  
BY *Marvin*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. *99-1115-01*

MAR 14 2000  
WARREN W. SCHAEFER, P.E.  
STRUCTURAL ENGINEER  
P.E. No. 44135  
W. W. SCHAEFER ENGINEERING  
& CONSULTING, P.A.  
STRUCTURAL CONSULTING ENGINEERS  
600 SANDTREE DRIVE, SUITE 203B  
PALM BEACH GARDENS, FL 33403  
PHONE: 561-775-4902

WOOD PART DIP SPEC  
 DIP  AT MLDR. **MARVIN** RESEARCH AND DEVELOPMENT  
 NO DIP  IN PROD. WINDOWS & DOORS. BOX 100, WARROAD, MN 56763  
(218) 386-1430 FAX 386-1913  
PRODUCT LINE: CLAD SLIDING FRENCH DOOR  
PRODUCT: DADE COUNTY

ASSEMBLY  
PARTS & EXTRUSIONS

MATERIAL: N/A SIZE: B DRAWING NO: 00014420

SCALE: 1:1 DATE: 10/12/99 DRAWN BY: WWS SHEET: 10 OF 11

| REV# | DESCRIPTION | ECN NO. | DATE | DRAFTER |
|------|-------------|---------|------|---------|
|      |             |         |      |         |

## MATERIAL LIST

| ITEM NO.                          | REF. NO. | DESCRIPTION                           | NOTES   |
|-----------------------------------|----------|---------------------------------------|---|
| <b>PARTS &amp; EXTRUSIONS</b>     |          |                                       |   |
| 1                                 | 00013572 | HEAD JAMB                             | FINGER JOINTED PONDEROSA; SEE NOTE THIS SHEET                         |
| 2                                 | 00011397 | SIDE JAMB                             | FINGER JOINTED PONDEROSA; SEE NOTE THIS SHEET                         |
| 3                                 | 00013589 | CENTER JAMB                           | FINGER JOINTED PONDEROSA; SEE NOTE THIS SHEET                         |
| 4                                 | 00011704 | LOCKING STILE                         | FINGER JOINTED PONDEROSA; SEE NOTE THIS SHEET                         |
| 5                                 | 00013627 | MEETING STILE                         | LVL DOUGLAS FIR WITH VINEER   |
| 6A                                | 00013624 | STATIONARY STILE                      | FINGER JOINTED PONDEROSA; SEE NOTE THIS SHEET                         |
| 6B                                | 00013624 | STATIONARY STILE                      | LVL DOUGLAS FIR WITH VINEER   |
| 7                                 | 00013623 | TOP RAIL                              | FINGER JOINTED PONDEROSA; SEE NOTE THIS SHEET                         |
| 8                                 | 00013621 | BOTTOM RAIL                           | FINGER JOINTED PONDEROSA; SEE NOTE THIS SHEET                         |
| 9                                 | 00007090 | GLAZING STOP                          | PONDEROSA PINE; SEE NOTE THIS SHEET                                   |
| 10                                | 00008293 | SILL LINER                            | OAK   |
| 11                                | 00014460 | JAMB LINER                            | PONDEROSA PINE; SEE NOTE THIS SHEET                                   |
| 12                                | 00008247 | FILLER                                | PONDEROSA PINE; SEE NOTE THIS SHEET                                   |
| 13                                | 00008263 | BUMPER BLOCK                          | PONDEROSA PINE; SEE NOTE THIS SHEET                                   |
| 14                                | 00013581 | COVER AT STATIONARY JAMB              | PONDEROSA PINE; SEE NOTE THIS SHEET                                   |
| 15                                | 00008234 | OPERATING PANEL GUIDE                 | PONDEROSA PINE; SEE NOTE THIS SHEET                                   |
| 16                                | 00013583 | TOP TRACK                             | PONDEROSA PINE; SEE NOTE THIS SHEET                                   |
| 17                                | 00014727 | LEVELING BLOCK REINFORCEMENT          | PONDEROSA PINE; SEE NOTE THIS SHEET                                   |
| 18                                | 00008238 | COVER AT HEAD JAMB                    | PONDEROSA PINE; SEE NOTE THIS SHEET                                   |
| 19                                | 00013575 | COVER AT CENTER JAMB                  | PONDEROSA PINE; SEE NOTE THIS SHEET                                   |
| 20                                | 00008336 | SCREW SUPPORT BLOCK                   | PONDEROSA PINE; SEE NOTE THIS SHEET                                   |
| 21                                | 00003121 | ULTREX SILL                           | 6063-T5 ALUMINUM  |
| 22                                | 00011683 | JAMB CLADDING                         | 6063-T5 ALUMINUM  |
| 23                                | 00013482 | CLAD FILLER AT FIXED PANEL HEADS      | 6063-T5 ALUMINUM  |
| 24                                | 00011338 | PANEL EDGE COVER                      | 6063-T5 ALUMINUM  |
| 25                                | 00011686 | CLAD PART STOP                        | 6063-T5 ALUMINUM  |
| 26                                | 00011693 | STILE & TOP RAIL CLADDING             | 6063-T5 ALUMINUM  |
| 27                                | 00002594 | MEETING STILE CLADDING                | 6063-T5 ALUMINUM  |
| 28                                | 00011110 | CENTER JAMB CLADDING                  | 6063-T5 ALUMINUM  |
| 29                                | 00012731 | STATIONARY STILE CLADDING             | 6063-T5 ALUMINUM  |
| 30                                | 00002589 | BOTTOM RAIL CLADDING                  | 6063-T5 ALUMINUM  |
| 31                                | 00011814 | CORNER KEY AT JAMB CLADDING           | 6063-T5 ALUMINUM OR ZINK DIE CAST                                     |
| 32                                | 00003697 | 5/8" WIDE STATIONARY PANEL BRACKET    | POWDER COATED STEEL ANGLE; 1 AT SILL OF STATIONARY MEETING STILE      |
| 33                                | 00004377 | 3/4" WIDE STATIONARY PANEL BRACKET    | POWDER COATED STEEL ANGLE; 1 AT HEAD & SILL OF STATIONARY STILE       |
| 34                                | 00003796 | 5/8" DIA. X 4" WOOD PANEL DOWELS      | HARDWOOD; 2 PER TOP RAIL CORNER & 3 PER BOTTOM RAIL CORNER            |
| 35                                | 00003726 | STRUCTURAL MASONRY CLIP               | 0.05" X 1.5" X 6.5-10.5" GALVANIZED METAL CLIP SPACED PER ELEVATIONS. |
| 36                                | -        | OPEN                                  |   |
| <b>FASTENERS &amp; CONNECTORS</b> |          |                                       |   |
| 37                                | -        | NO. 8 X 5/8" PH SMS SCREWS            | WITHIN 3" OF ENDS & MAX. 7" O.C.                                      |
| 38                                | -        | NO. 8 X 3" FH SMS SCREWS              | WITHIN 6" OF ENDS & MAX. 12" O.C.                                     |
| 39                                | -        | NO. 7 X 1 1/4" FH SMS SCREW           | ONE PER FIXED MEETING STILE "STATIONARY PANEL BRACKET" INTO STILE     |
| 40                                | -        | NO. 8 X 3/4" PH SMS SCREW             | ONE PER FIXED MEETING STILE "STATIONARY PANEL BRACKET" INTO SILL      |
| 41                                | -        | NO. 6 X 1 1/2" PH SMS SCREWS          | WITHIN 2" OF ENDS & MAX. 10" O.C.                                     |
| 42                                | 00005685 | 0.04" X 0.475" PVC CONNECTING BARB    | SECURES STOPS/COVERS TO JAMBS   |
| 43                                | 00005638 | 0.69" X 0.585" X 0.06" CORNER BRACKET | REGRIND PVC; CONTINUOUS LENGTH; SECURES FIXED PANEL TO JAMB.          |
| 44                                | 00011747 | 1.16" X 0.04" VINYL GLAZING BEAD      | CONTINUOUS WITH GLAZING STOPS   |
| 45                                | -        | NO. 8 X 3/4" FH SMS                   | 2 PER "STATIONARY PANEL BRACKET" INTO SILL OR HEAD JAMB               |
| 46                                | -        | NO. 7 X 1 1/4" FH SMS                 | 2 PER "STATIONARY PANEL BRACKET" INTO STILE                           |
| 47                                | -        | NO. 8 X 1 5/8" FH SMS                 | 2 PER MASONRY CLIP INTO BUCK  |
| 48                                | -        | NO. 8 X 3/4" FH SMS                   | 2 PER MASONRY CLIP INTO JAMB  |

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE May 19, 2000  
BY Manuel  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 99-11501

| ITEM NO.                            | REF. NO. | DESCRIPTION                               | NOTES  |
|-------------------------------------|----------|---|--|
| 49                                  | -        | NO. 8 X 5/8" PH SMS                       | WITHIN 3" OF "CLAD FILLER" ENDS & MAX. 10" O.C.                      |
| 50                                  | -        | NO. 8 X 1 1/2" FH SMS                     | 3 PER "HEAD JAMB COVER" & "TOP TRACK"; 1 EA. END & AT MIDDLE         |
| 51                                  | -        | NO. 8 X 1" PH SMS                         | 4 PER STATIONARY PANEL SECURING PVC LEVELING BLOCK TO SILL           |
| 52                                  | -        | NO. 8 X 5/8" PH SMS                       | WITHIN 3" OF SILL TRACK ENDS & MAX. 10" O.C.                         |
| 53                                  | -        | NO. 8 X 7/8" FH SMS                       | WITHIN 2" OF SILL LINER ENDS & MAX. 14" O.C.                         |
| 54                                  | -        | 18 GA. X 1/2" STAPLE                      | WITHIN 3" OF CORNERS & MAX. 12" O.C.                                 |
| 55                                  | -        | NO. 8 X 1 1/2" FH SMS                     | ONE EA. END OF SILL LINER INTO JAMBS                                 |
| 56                                  | -        | NO. 8 X 3" FH SMS                         | 3 PER SILL CORNER THROUGH SILL & INTO JAMB                           |
| 57                                  | -        | NO. 8 X 3" FH SMS                         | 2 PER CENTER JAMB END THROUGH SILL & HEAD JAMB INTO CENTER JAMB      |
| 58                                  | -        | NO. 8 X 1 1/2" FH SMS                     | 1 PER JAMB CLADDING CORNER (CLAD TO CLAD & SILL TO CLAD)             |
| 59                                  | -        | NO. 7 X 2" FH SMS                         | 4 PER JAMB TO JAMB CORNER  |
| 60                                  | -        | NO. 8 X 3" FH SMS                         | 1 SCREW IN ADDITION TO "38" SECURING TOP OF STATIONARY MEETING STILE |
| <b>WEATHER SEALS &amp; SEALANTS</b> |          |   |  |
| 61                                  | -        | DOW CORNING 1199 SILICONE GLAZING SEALANT | BEIGE OR CLEAR   |
| 62                                  | 00005648 | OFFSET WEATHERSTRIP BULB                  | BEIGE PVC & ALCRYN; CONT. AT LOCKING STILE                           |
| 63                                  | 00005643 | FIN WEATHERSTRIP                          | GLASS REINFORCED POLYPROPYLENE                                       |
| 64                                  | 00005400 | BULB WEATHERSTRIP                         | BEIGE PVC & ALCRYN; CONT. AT MEETING STILES                          |
| 65                                  | 00014726 | FOAM TAPE                                 | CLOSED-CELL COPOLYMER FOAM WITH ADHESIVE                             |
| 66                                  | 00005631 | FIN WEATHERSTRIP                          | AT SILL BELOW OPERABLE PANEL   |
| 67                                  | 00013264 | STRUCTURAL ADHESIVE                       | DURO-LOC 42-2107 (DOWELS TO STILES & RAILS)                          |
| 68                                  | 00003692 | FOAM TAPE                                 | NEOPRENE FOAM WITH ACRYLIC ADHESIVE                                  |
| 69                                  | -        | SM 5504 CLEAR SILICONE                    |  |
| 70                                  | -        | OPEN                                      |  |
| <b>OTHER</b>                        |          |   |  |
| 71                                  | 00004843 | INTERIOR HANDLE SET                       | EQUAL HANDLE SETS MAY BE USED  |
| 72                                  | 00004842 | EXTERIOR HANDLE SET                       | EQUAL HANDLE SETS MAY BE USED  |
| 73                                  | 00004845 | MUSHROOM HEAD 3-POINT LOCKING HARDWARE    | +/-21", 39" & 61" FROM FRAME BASE SECURED W/10 NO. 8 X 1 1/2" SMS    |
| 74                                  | 00005291 | JAMB VINYL NAILING FIN                    | AT HEAD & SIDE JAMBS   |
| 75                                  | 00003993 | NAILING FIN VINYL CORNER GASKET           | AT FIN CORNERS   |
| 76                                  | 00012346 | 2" LONG TPE FOAM BACKER RODS              | 2 AT EACH RAIL & 4 AT EACH STILE BETWEEN CLAD HOOKED END AND WOOD    |
| 77                                  | 00011776 | PVC GLASS SETTING BLOCKS                  | 2 AT EACH THE STILES & BOTTOM RAILS                                  |
| 78                                  | 00005658 | PANEL INTERLOCKS (REGRIND PVC)            | FULL LENGTH AT THE MEETING STILES                                    |
| 79                                  | 00005633 | PVC LEVELING BLOCK                        | FULL LENGTH OF FIXED PANEL BOTTOM RAILS                              |
| 80                                  | 00003954 | DUST BLOCK                                | PILE WITH A LATEX BACK (FLUSH WITH END OF STATIONARY PANEL)          |
| 81                                  | 00005624 | LEXAN ROLLER TRACK                        | RIGID GLASS FILLED LEXAN   |
| 82                                  | 00005711 | ROLLER TRACK COVER                        | RIGID OR FLEX PVC  |
| 83                                  | 00004677 | SILL GASKET                               | CLOSED CELL PVC FOAM WITH ACRYLIC ADHESIVE                           |
| 84                                  | -        | 3/4" HIGH PERFORMANCE INSULATED GLASS     | 1/8" OR 3/16" TEMPERED GLASS PANES & DESICCANT SPACER SYSTEM         |
| 85                                  | 00003684 | METAL ROLLER                              | 2 PER OPERATING PANEL 6 1/2" FROM EA. END                            |

- 1 OTHER WOOD SPECIES ACCEPTABLE WITH THIS APPROVAL:
- |             |                |
|-------------|----------------|
| 1. MAHOGANY | 5. DOUGLAS FIR |
| 2. OAK      | 6. MAPLE       |
| 3. CHERRY   | 7. TEAK        |
| 4. CYPRUS   |                |

|  |   |                    |                          |                              |                                   |                                 |                                   |                               |  |                            |  |                             |  |  |  |                      |  |                        |  |               |         |                      |  |            |                |               |                 |
|--|---|--------------------|--------------------------|------------------------------|-----------------------------------|---------------------------------|-----------------------------------|-------------------------------|--|----------------------------|--|-----------------------------|--|--|--|----------------------|--|------------------------|--|---------------|---------|----------------------|--|------------|----------------|---------------|-----------------|
| <p><b>MAR 14 2000</b></p> <p>WARREN W. SCHAEFER, P.E.<br/>STRUCTURAL ENGINEER<br/>P.E. No. 44135</p> | <table style="width: 100%;"> <tr> <td style="width: 50%;">WOOD PART DIP SPEC</td> <td style="width: 50%;">RESEARCH AND DEVELOPMENT</td> </tr> <tr> <td><input type="checkbox"/> DIP</td> <td><input type="checkbox"/> AT MLDR.</td> </tr> <tr> <td><input type="checkbox"/> NO DIP</td> <td><input type="checkbox"/> IN PROD.</td> </tr> <tr> <td colspan="2" style="text-align: center;"><b>MARVIN</b> WINDOWS &amp; DOORS</td> </tr> <tr> <td colspan="2" style="text-align: center;">BOX 100, WARROAD, MN 56763</td> </tr> <tr> <td colspan="2" style="text-align: center;">(218) 386-1430 FAX 386-1913</td> </tr> <tr> <td colspan="2">PRODUCT LINE: CLAD SLIDING FRENCH DOOR</td> </tr> <tr> <td colspan="2">PRODUCT: DADE COUNTY</td> </tr> <tr> <td colspan="2" style="text-align: center;">ASSEMBLY MATERIAL LIST</td> </tr> <tr> <td>MATERIAL: N/A</td> <td>SIZE: B</td> </tr> <tr> <td colspan="2">DRAWING NO: 00014420</td> </tr> <tr> <td>SCALE: 1:1</td> <td>DATE: 10/12/99</td> </tr> <tr> <td>DRAWN BY: WWS</td> <td>SHEET: 11 OF 11</td> </tr> </table> | WOOD PART DIP SPEC | RESEARCH AND DEVELOPMENT | <input type="checkbox"/> DIP | <input type="checkbox"/> AT MLDR. | <input type="checkbox"/> NO DIP | <input type="checkbox"/> IN PROD. | <b>MARVIN</b> WINDOWS & DOORS |  | BOX 100, WARROAD, MN 56763 |  | (218) 386-1430 FAX 386-1913 |  | PRODUCT LINE: CLAD SLIDING FRENCH DOOR |  | PRODUCT: DADE COUNTY |  | ASSEMBLY MATERIAL LIST |  | MATERIAL: N/A | SIZE: B | DRAWING NO: 00014420 |  | SCALE: 1:1 | DATE: 10/12/99 | DRAWN BY: WWS | SHEET: 11 OF 11 |
| WOOD PART DIP SPEC   | RESEARCH AND DEVELOPMENT  |                    |                          |                              |                                   |                                 |                                   |                               |  |                            |  |                             |  |  |  |                      |  |                        |  |               |         |                      |  |            |                |               |                 |
| <input type="checkbox"/> DIP   | <input type="checkbox"/> AT MLDR.   |                    |                          |                              |                                   |                                 |                                   |                               |  |                            |  |                             |  |  |  |                      |  |                        |  |               |         |                      |  |            |                |               |                 |
| <input type="checkbox"/> NO DIP  | <input type="checkbox"/> IN PROD.   |                    |                          |                              |                                   |                                 |                                   |                               |  |                            |  |                             |  |  |  |                      |  |                        |  |               |         |                      |  |            |                |               |                 |
| <b>MARVIN</b> WINDOWS & DOORS  |   |                    |                          |                              |                                   |                                 |                                   |                               |  |                            |  |                             |  |  |  |                      |  |                        |  |               |         |                      |  |            |                |               |                 |
| BOX 100, WARROAD, MN 56763   |   |                    |                          |                              |                                   |                                 |                                   |                               |  |                            |  |                             |  |  |  |                      |  |                        |  |               |         |                      |  |            |                |               |                 |
| (218) 386-1430 FAX 386-1913  |   |                    |                          |                              |                                   |                                 |                                   |                               |  |                            |  |                             |  |  |  |                      |  |                        |  |               |         |                      |  |            |                |               |                 |
| PRODUCT LINE: CLAD SLIDING FRENCH DOOR   |   |                    |                          |                              |                                   |                                 |                                   |                               |  |                            |  |                             |  |  |  |                      |  |                        |  |               |         |                      |  |            |                |               |                 |
| PRODUCT: DADE COUNTY   |   |                    |                          |                              |                                   |                                 |                                   |                               |  |                            |  |                             |  |  |  |                      |  |                        |  |               |         |                      |  |            |                |               |                 |
| ASSEMBLY MATERIAL LIST   |   |                    |                          |                              |                                   |                                 |                                   |                               |  |                            |  |                             |  |  |  |                      |  |                        |  |               |         |                      |  |            |                |               |                 |
| MATERIAL: N/A  | SIZE: B   |                    |                          |                              |                                   |                                 |                                   |                               |  |                            |  |                             |  |  |  |                      |  |                        |  |               |         |                      |  |            |                |               |                 |
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| REV# | DESCRIPTION | ECN NO. | DATE | DRAFTER |
|------|-------------|---------|------|---------|
|      |             |         |      |         |