



**BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION**

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

**NOTICE OF ACCEPTANCE (NOA)**

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**Nana Wall System, Inc.  
707 Redwood Highway  
Mill Valley, Ca 94941**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: Series "SL72" Inswing Aluminum Bifold Door**

**APPROVAL DOCUMENT:** Drawing No. 1103, titled "SL72-Folding Aluminum Framed Opening Glass Wall System", sheets 1 through 6 of 6, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 5/22/02, signed and sealed by Warren 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.

**MISSILE IMPACT RATING: Large and Small Missile Impact**

**LABELING:** 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", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Theodore Berman, P.E.**



**NOA No 02-0927.09  
Expiration Date: January 09, 2008  
Approval Date: January 09, 2003  
Page 1**

**Nana Wall System, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

(For File ONLY. Not part of NOA)

**A. DRAWINGS**

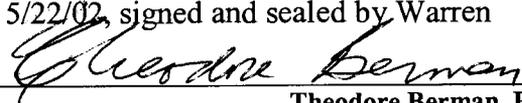
1. Manufacturer's die drawings and sections.
2. Drawing No. **1103**, titled "SL72-Folding Aluminum Framed Opening Glass Wall System", sheets 1 through 6 of 6, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 5/22/02, signed and sealed by Warren Schaefer, P.E.

**B. TESTS**

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 3603.2 (b) and TAS 202-94  
along with marked-up drawings and installation diagram of a four panel aluminum bifold inswing door, prepared by Architectural Testing, Inc., Test Report No. ATI 03-31448.02, dated 5/1/02 signed and sealed by Allen N. Reeves, P.E.
2. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 3603.2 (b) and TAS 202-94  
along with marked-up drawings and installation diagram of a four panel aluminum bifold inswing door, prepared by Architectural Testing, Inc., Test Report No. ATI 03-31448.03, dated 4/29/02 signed and sealed by Allen N. Reeves, P.E.
3. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 3603.2 (b) and TAS 202-94  
along with marked-up drawings and installation diagram of a four panel aluminum bifold inswing door, prepared by Architectural Testing, Inc., Test Report No. ATI 03-31448.01, dated 6/6/02 signed and sealed by Allen N. Reeves, P.E.

**C. CALCULATIONS**

1. Anchor Calculations and structural analysis, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 5/22/02, signed and sealed by Warren Schaefer, P.E.



Theodore Berman, P.E.  
Deputy Director, Product Control Division

NOA No 02-0927.09

Expiration Date: January 09, 2008

Approval Date: January 09, 2003

**Nana Wall System, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

(For File ONLY. Not part of NOA)

**D. MATERIAL CERTIFICATIONS**

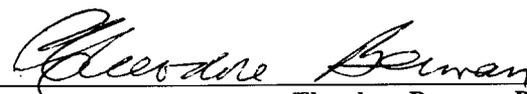
1. Notice of Acceptance No. **98-0728.05** issued to Solutia, Inc. for "Saflex IIIIG PVB Polyvinyl butryal interlayer" dated 8/27/98, expiring on 5/21/01.
2. Notice of Acceptance No. **00-082203** issued to Solutia, Inc. for "Saflex HP" dated 10/19/00, expiring on 4/14/03.
3. Notice of Acceptance No. **01-1204.01** issued to E.I. DuPont DeNemours for "Sentry Glass Plus" dated 1/17/02, expiring on 1/14/07.

**E. STATEMENTS**

1. Statement letter of conformance, dated 6/7/02, signed and sealed by Warren Schaefer, P.E.
2. Statement letter of no financial interest, dated 6/7/02, signed and sealed by Warren Schaefer, P.E.
3. Laboratory compliance letter for Test Report no. ATI 03-31448.02, issued by Architectural Testing, Inc., dated 8/15/02, signed and sealed by Allen N. Reeves, P.E.
4. Laboratory compliance letter for Test Report no. ATI 03-31448.03, issued by Architectural Testing, Inc., dated 8/16/02, signed and sealed by Allen N. Reeves, P.E.
5. Laboratory compliance letter for Test Report no. ATI 03-31448.01, issued by Architectural Testing, Inc., dated 8/14/02, signed and sealed by Allen N. Reeves, P.E.

**F. OTHER**

1. Letter from Pistorino & Alam Consulting Engineers, Inc.



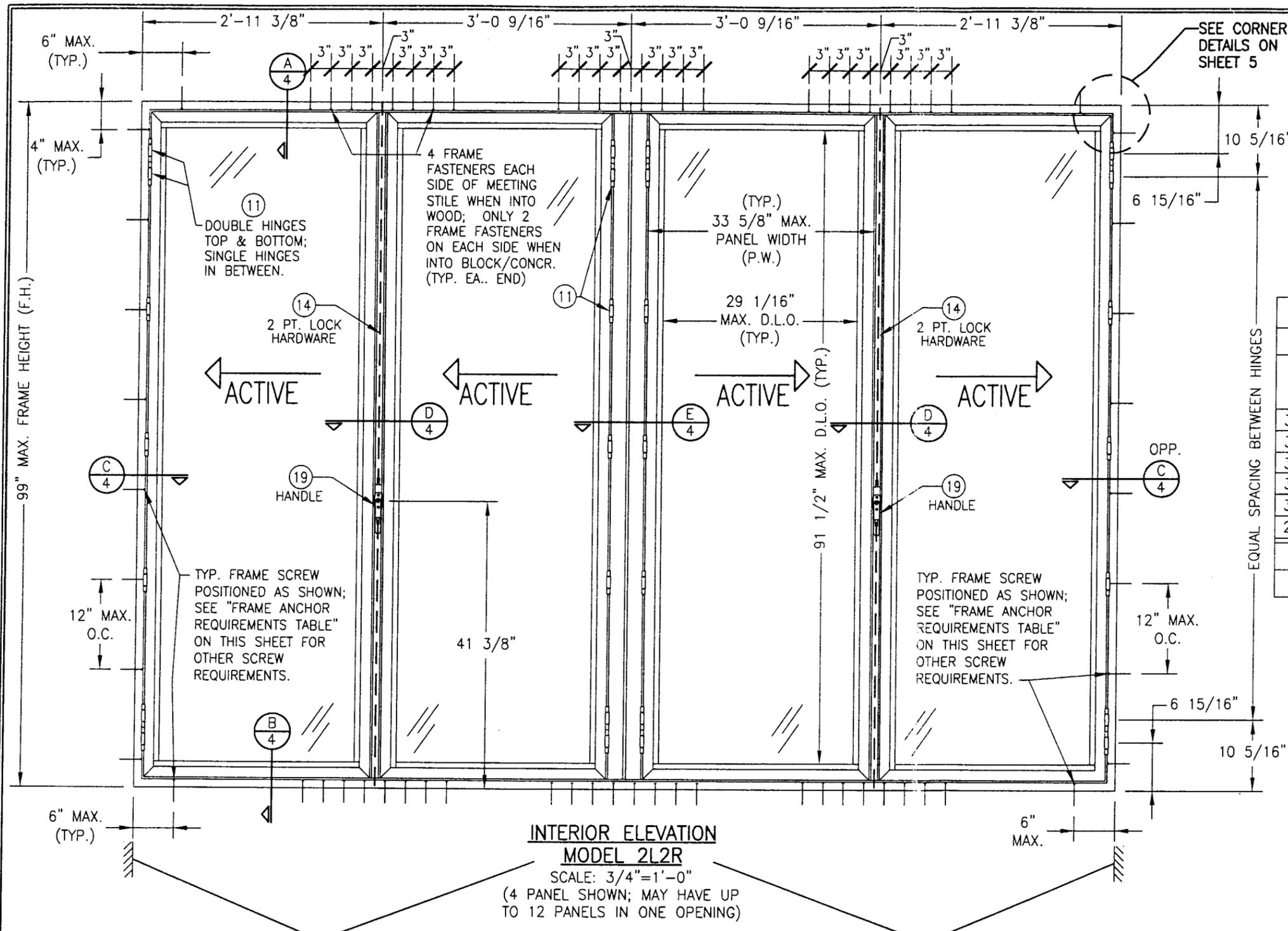
**Theodore Berman, P.E.**

**Deputy Director, Product Control Division**

**NOA No 02-0927.09**

**Expiration Date: January 09, 2008**

**Approval Date: January 09, 2003**



| HINGE REQUIREMENTS |                   |
|--------------------|-------------------|
| FRAME HEIGHT (IN.) | # HINGES REQUIRED |
| LESS THAN 39"      | 4                 |
| 39" UP TO 58"      | 5                 |
| 59" UP TO 79"      | 6                 |
| 80" TO 99"         | 7                 |

(INCLUDES DOUBLE HINGES @ TOP & BOTTOM OF PANELS)

| ALLOWABLE DESIGN LOAD               |                    |                          |          |
|-------------------------------------|--------------------|--------------------------|----------|
| WITH GLASS TYPE 1, 3 & 5 (ANNEALED) |                    |                          |          |
| PANEL WIDTH (IN.)                   | PANEL HEIGHT (IN.) | ALLOWABLE PRESSURE (PSF) |          |
|                                     |                    | POSITIVE                 | NEGATIVE |
| 33 5/8"                             | 96 1/16"           | 55                       | 72.8     |
| 33 5/8"                             | 88"                | 55                       | 74.5     |
| 33 5/8"                             | 80"                | 55                       | 77.5     |
| 33 5/8"                             | 72"                | 55                       | 80.6     |
| 33 5/8"                             | 64" & LESS         | 55                       | 90.0     |
| 27 3/8"                             | 96 1/16"           | 55                       | 90.0     |

WITH GLASS TYPE 2, 4 & 6 (HEAT STRENGTHENED)  
ALL SIZES = +55/-90 PSF

**INTERIOR ELEVATION**  
**MODEL 2L2R**  
SCALE: 3/4"=1'-0"  
(4 PANEL SHOWN; MAY HAVE UP TO 12 PANELS IN ONE OPENING)

| * FRAME ANCHOR REQUIREMENTS TABLE |                               |                   |                    |
|-----------------------------------|-------------------------------|-------------------|--------------------|
| OPENING TYPE (SUBSTRATE)          | JAMB TO OPENING FASTENER TYPE | MINIMUM EMBEDMENT | MINIMUM EDGE DIST. |
| 2X_ WOOD FRAME OR BUCK            | NO. 14 SMS SCREW              | 1 3/8"            | 3/4"               |
| CMU/CONCRETE                      | (1) 1/4" CONCRETE SCREWS      | 1 1/4"            | 2"                 |

(1) CONCRETE SCREWS SHALL BE ITW RAMSET/RED HEAD TAPCONS, ELCO TAPCONS, HILTI KWIK-CON II OR POWERS RAWL TAPPER (HARDENED STEEL OR S.S.).

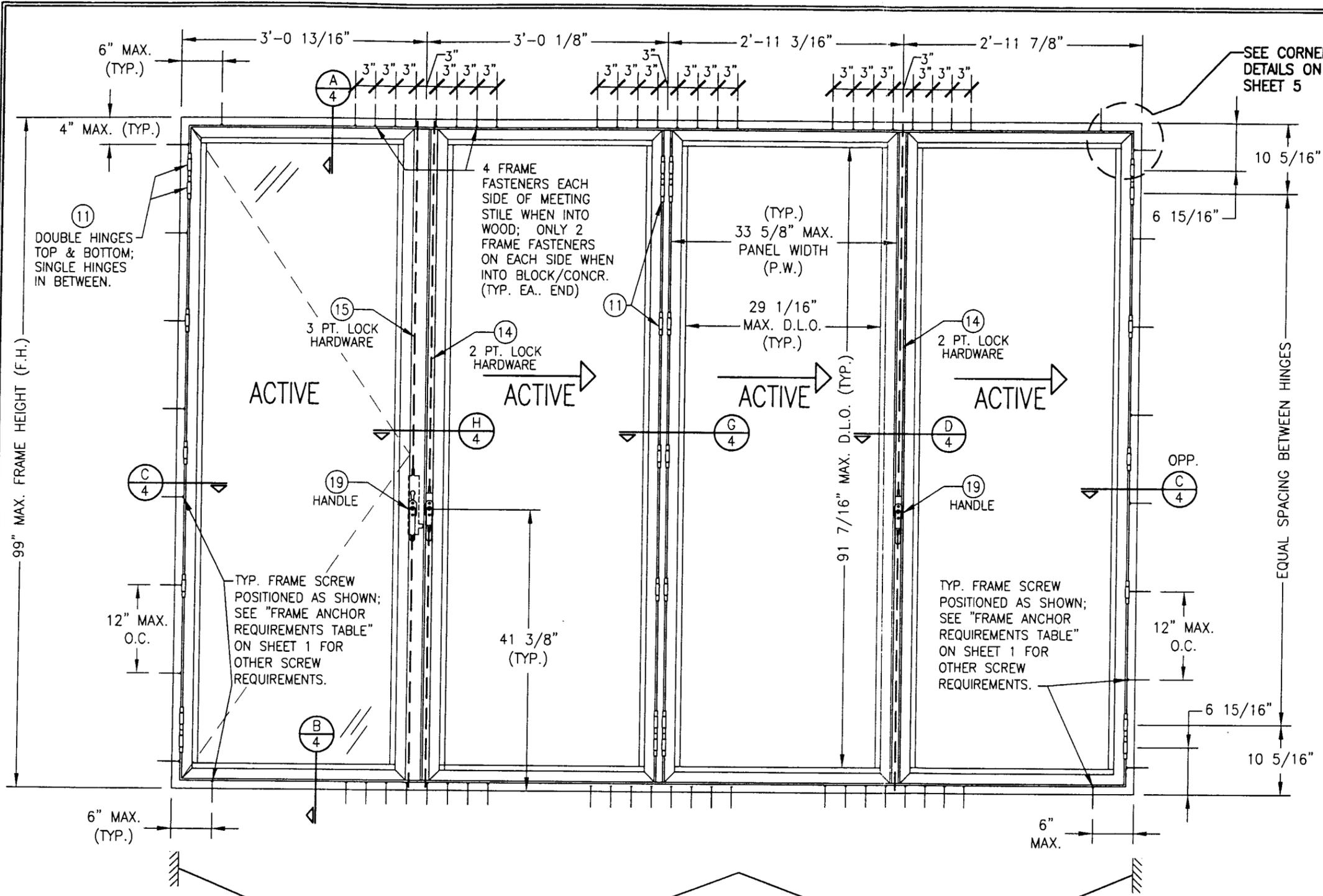
\* ANCHOR NOTE: FRAME MAY BE EITHER DIRECT MOUNTED TO THE OPENING, MOUNTED ONTO A CONTINUOUS WOOD SPACER, OR ANCHORED TO A MIN. 2X4 NO. 3 SOUTHERN PINE WOOD BUCK. WHEN ANCHORED TO A 2X4 BUCK, NO. 14 SCREWS SHALL BE USED. WHEN DIRECT MOUNTED OR MOUNTED WITH SPACER, 1/4" CONCRETE SCREWS SHALL BE USED. SEE "ANCHOR REQUIREMENTS TABLE" FOR EMBED REQUIREMENTS. PROPER MATERIAL SHALL BE USED BETWEEN ALL DISIMILAR MATERIALS (BLOCK/CONCRETE & ALUMINUM).

- GENERAL NOTES**
1. THESE DOOR/WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN LOADS" TABLE.
  2. BUCKING, OPENINGS & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
  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 TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH DADE COUNTY PROTOCOLS PA 201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
  5. THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC).
  6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE DOORS.
  7. ALL ANCHORS SHALL BE INSTALLED AS SPECIFIED ON THESE DRAWINGS. SPECIFIED EMBEOMENT TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.

Approved as complying with the Florida Building Code  
Date 01/09/03  
NOA# 02-09227-09  
Miami Dade Product Control  
Division  
By *Warren W. Schaefer*

|                                                                                                                                                                         |                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| DRAWN BY:<br>J.C.F.                                                                                                                                                     | CHECKED BY:<br>W.W.S.                                                                                  |
| PLOT:<br>1-16                                                                                                                                                           | DATE:<br>05/22/02                                                                                      |
| DATE                                                                                                                                                                    | BY                                                                                                     |
| REVISION DESCRIPTION                                                                                                                                                    | NO.                                                                                                    |
| DRAWING TITLE<br>SL72 - FOLDING ALUMINUM FRAMED OPENING GLASS WALL SYSTEM                                                                                               |                                                                                                        |
| CONSULTANTS<br>W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.<br>600 SANDTREE DRIVE, SUITE 203B<br>PALM BEACH GARDENS, FL 33403<br>PHONE: 561-775-4902 FAX: 561-775-4903 | MANUFACTURER<br>NANA WALL SYSTEMS, INC<br>707 REDWOOD HIGHWAY<br>MILL VALLEY, CA 94941<br>425-383-3148 |
| CERTIFICATION<br>NOV 26 2002                                                                                                                                            | WARREN W. SCHAEFER, P.E.<br>P.E. NO. 44135                                                             |
| DRAWING NO.<br>1103                                                                                                                                                     | REV.                                                                                                   |
| SHEET NO.<br>1                                                                                                                                                          | OF<br>6                                                                                                |





| HINGE REQUIREMENTS |                   |
|--------------------|-------------------|
| FRAME HEIGHT (IN.) | # HINGES REQUIRED |
| UP TO 39"          | 4                 |
| 40" UP TO 59"      | 5                 |
| 60" UP TO 79"      | 6                 |
| 80" TO 99"         | 7                 |

(INCLUDES DOUBLE HINGES @ TOP & BOTTOM OF PANELS)

**INTERIOR ELEVATION**  
**MODEL 1L3R**  
 SCALE: 3/4"=1'-0"  
 (4 PANEL SHOWN; MAY HAVE UP TO 12 PANELS IN ONE OPENING)

Approved as complying with the Florida Building Code  
 Date: 01/09/03  
 NOAH 02-0923.09  
 Miami Dade Product Control  
 Division  
 By: *Edward Gorman*

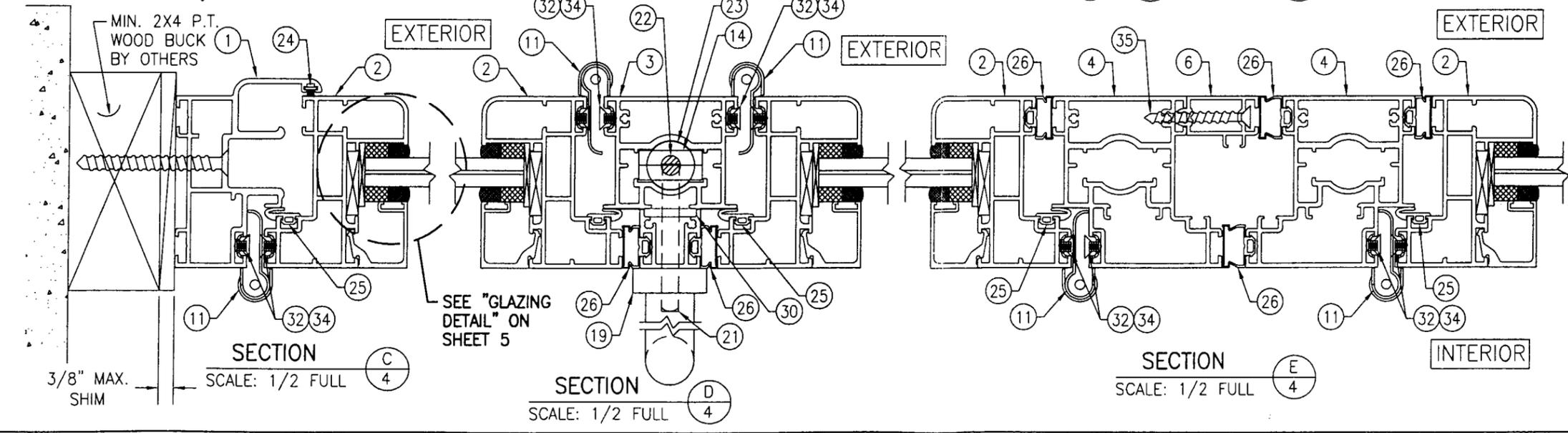
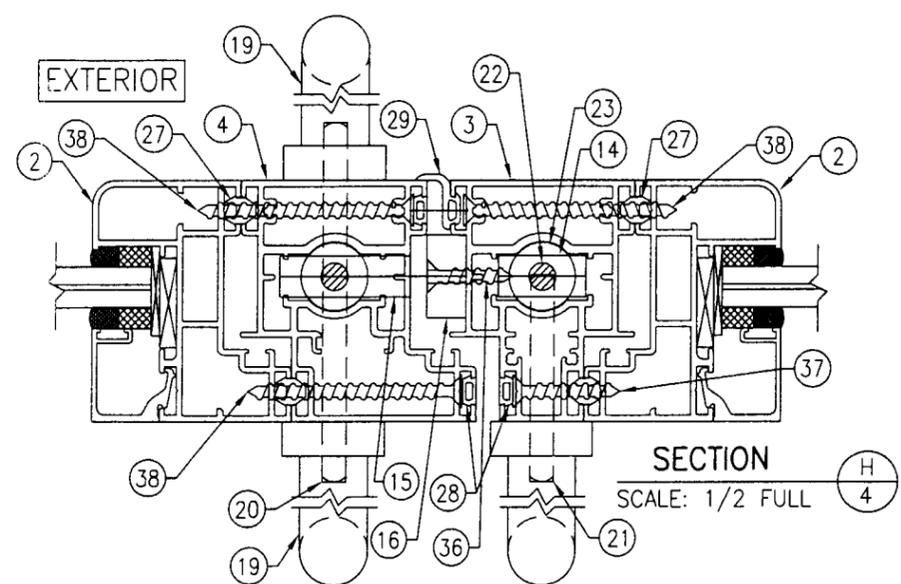
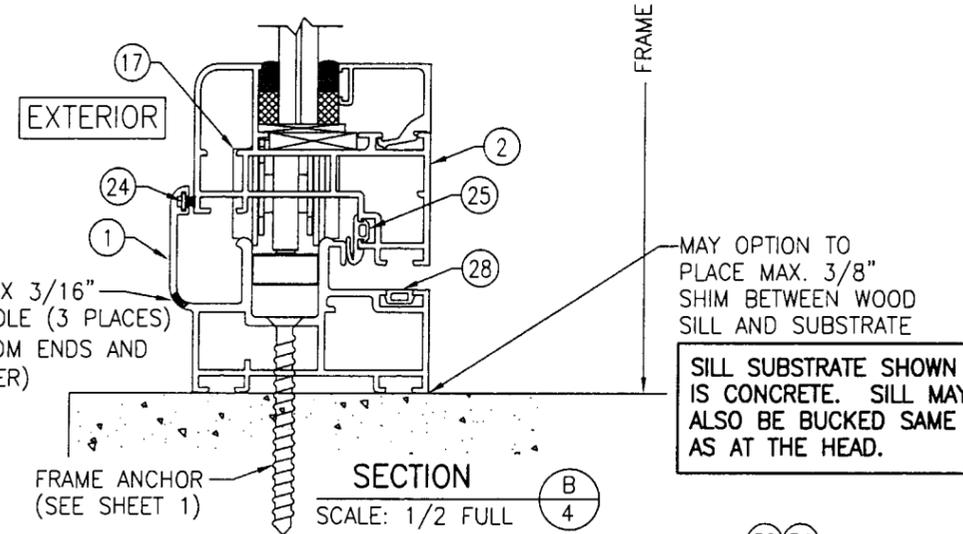
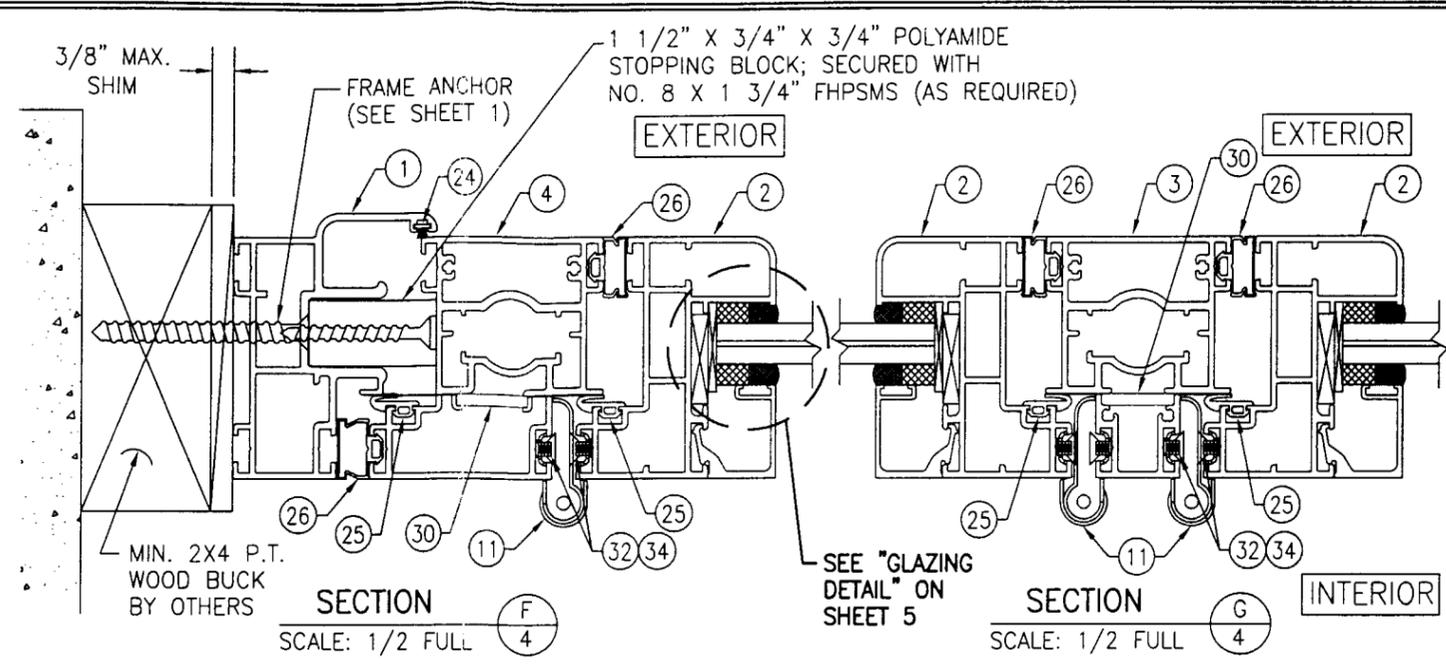
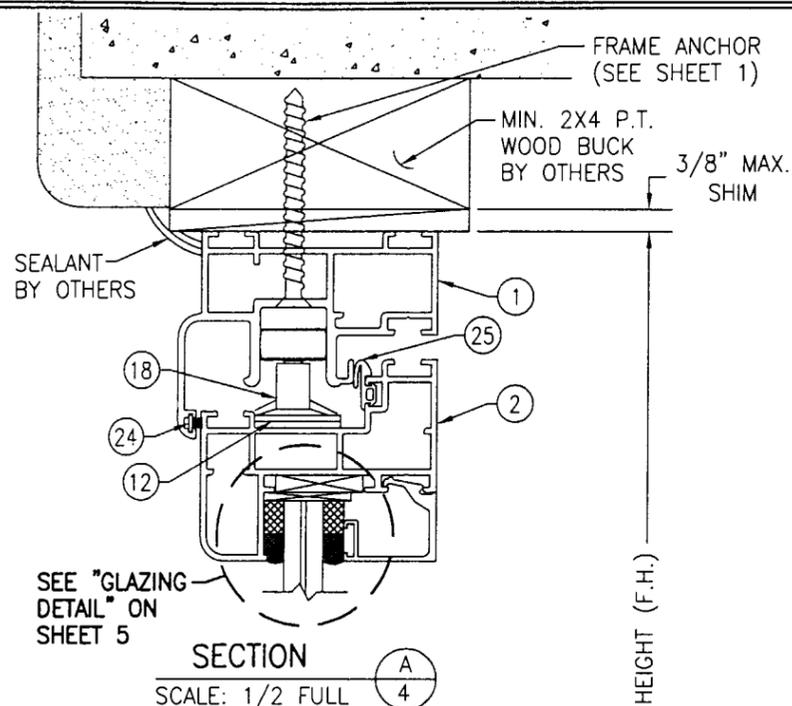
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| DRAWN BY:<br>J.C.F. | CHECKED BY:<br>W.W.S. |
| PLOT:<br>1-16       | DATE:<br>05/22/02     |
| NO.                 | REVISION DESCRIPTION  |
|                     |                       |
|                     |                       |
|                     |                       |
|                     |                       |
|                     |                       |
|                     |                       |

DRAWING TITLE  
**SL72 - FOLDING ALUMINUM FRAMED OPENING GLASS WALL SYSTEM**

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

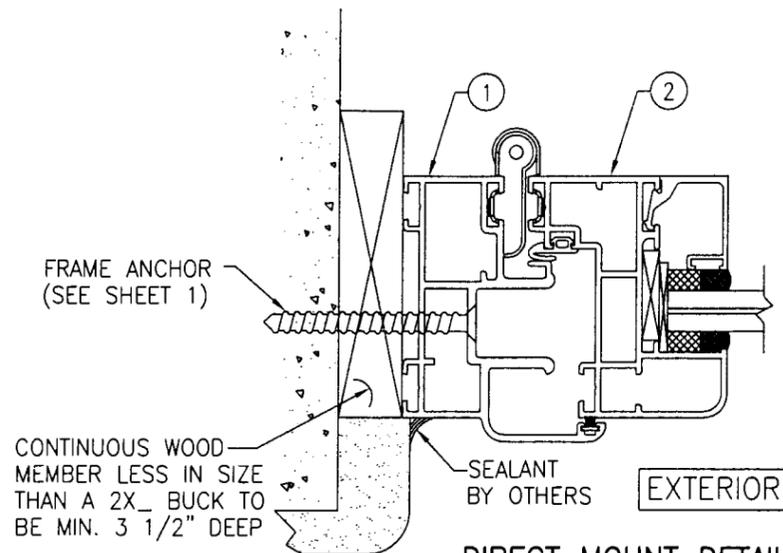
MANUFACTURER  
**NANA WALL SYSTEMS, INC**  
 707 REDWOOD HIGHWAY  
 MILL VALLEY, CA 94941  
 425-383-3148

|                              |                                            |
|------------------------------|--------------------------------------------|
| CERTIFICATION<br>NOV 26 2002 | WARREN W. SCHAEFER, P.E.<br>P.E. NO. 44135 |
| DRAWING NO.<br>1103          | REV.                                       |
| SHEET NO.<br>3 OF 6          |                                            |



Approved as complying with the Florida Building Code  
 Date 01/09/03  
 NOA# 02-0927-09  
 Miami Dade Product Control Division  
 By: *Merida Beaman*

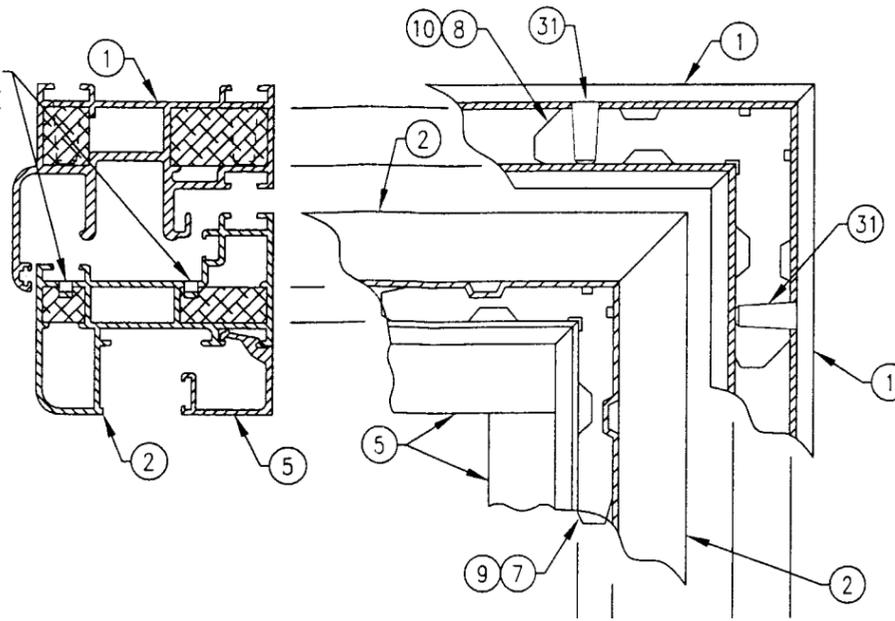
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| DRAWN BY:<br>J.C.F.                                                                                                                                                     | CHECKED BY:<br>W.W.S. |
| PLOT:<br>1=2                                                                                                                                                            | DATE:<br>05/22/02     |
| DATE                                                                                                                                                                    | BY                    |
| REVISION DESCRIPTION                                                                                                                                                    | NO.                   |
| DRAWING TITLE<br>SL72 - FOLDING ALUMINUM FRAMED OPENING GLASS WALL SYSTEM                                                                                               |                       |
| MANUFACTURER<br>NANA WALL SYSTEMS, INC<br>707 REDWOOD HIGHWAY<br>MILL VALLEY, CA 94941<br>425-383-3148                                                                  |                       |
| CONSULTANTS<br>W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.<br>600 SANDTREE DRIVE, SUITE 203B<br>PALM BEACH GARDENS, FL 33403<br>PHONE: 561-775-4902 FAX: 561-775-4903 |                       |
| CERTIFICATION<br>NOV 26 2002<br>WARREN W. SCHAEFER, P.E.<br>P.E. NO. 44135                                                                                              |                       |
| DRAWING NO.<br>1103                                                                                                                                                     | REV.                  |
| SHEET NO.<br>4 OF 6                                                                                                                                                     |                       |



**DIRECT MOUNT DETAIL**

SIDE JAMB DETAIL SHOWN; OTHER JAMBS SIMILAR  
SEE SECTIONS FOR DETAIL NOT SHOWN

CRIMPS SECURING  
CORNER KEY; ONE  
CRIMP EACH LEG  
OF KEY.



**FRAME & PANEL CORNER DETAIL**

CRIMPS SECURING  
CORNER KEY; ONE  
CRIMP EACH LEG  
OF KEY.

3 15/16" X 1 7/16" X 1/8"  
GLAZING SHIMS (6" FROM  
CORNERS AND AT MIDSPAN  
OF EACH STILE)

3/8" X 1/4"  
DOUBLE SIDED  
GLAZING TAPE  
(CONTINUOUS)

EXTERIOR

5/8"  
MIN. BITE

SEE  
BELOW

**GLAZING DETAIL**

3 15/16" X 1/2" X 4"  
GLAZING SHIMS (6" FROM  
OPPOSITE CORNERS AND  
AT MIDSPAN OF EACH STILE)

CONTINUOUS PVC STOP  
3/16" X 9/16"

DOW CORNING  
995 SILICONE  
(@ INTERIOR &  
@ EXTERIOR SIDE)

**DUPONT SENTRY GLASS PLUS LAMINATED GLASS**

OPTION 1) 7/16" THICK OVERALL (3/16" AN/0.09" SGP/3/16" AN) OR  
OPTION 2) 7/16" THICK OVERALL (3/16" HT.ST./0.09" SGP/3/16" HT.ST.)

**SOLUTIA 0.09" PVB LAMINATED GLASS**

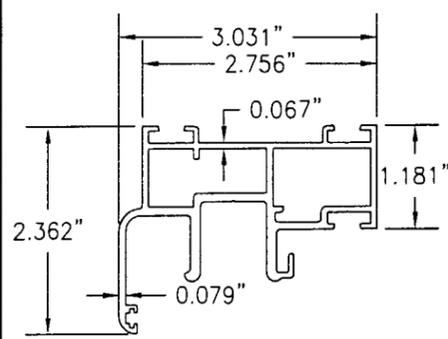
OPTION 3) 7/16" THICK OVERALL (3/16" AN/0.09" PVB/3/16" AN) OR  
OPTION 4) 7/16" THICK OVERALL (3/16" HT.ST./0.09" PVB/3/16" HT.ST.)

**SOLUTIA HP LAMINATED GLASS**

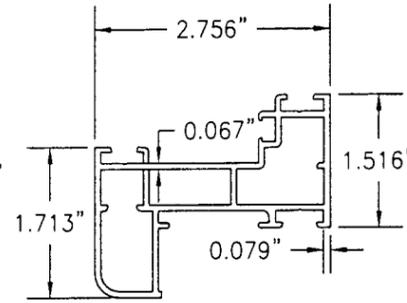
OPTION 5) 7/16" THICK OVERALL (3/16" AN/0.10" HP/3/16" AN) OR  
OPTION 6) 7/16" THICK OVERALL (3/16" HT.ST./0.10" HP/3/16" HT.ST.)

Approved as complying with the  
Florida Building Code  
Date 01/09/03  
NOA# 02-0922.09  
Miami Dade Product Control  
Division  
By *Merida Berwan*

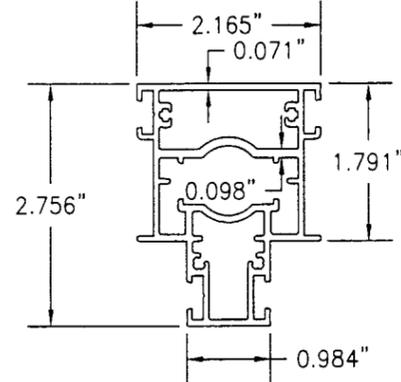
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| DRAWN BY:<br>J.C.F.                                                                                                                                                               | CHECKED BY:<br>W.W.S.                                                                                         |
| PLOT:<br>1=2                                                                                                                                                                      | DATE:<br>05/22/02                                                                                             |
| DATE                                                                                                                                                                              |                                                                                                               |
| BY                                                                                                                                                                                |                                                                                                               |
| REVISION DESCRIPTION                                                                                                                                                              |                                                                                                               |
| NO.                                                                                                                                                                               |                                                                                                               |
| DRAWING TITLE<br><b>SL72 - FOLDING ALUMINUM FRAMED OPENING GLASS WALL SYSTEM</b>                                                                                                  |                                                                                                               |
| CONSULTANTS<br><b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b><br>600 SANDREE DRIVE, SUITE 203B<br>PALM BEACH GARDENS, FL 33403<br>PHONE: 561-775-4902 FAX: 561-775-4903 | MANUFACTURER<br><b>NANA WALL SYSTEMS, INC</b><br>707 REDWOOD HIGHWAY<br>MILL VALLEY, CA 94941<br>425-383-3148 |
| CERTIFICATION<br><b>NOV 26 2002</b><br><i>Warren W. Schaefer</i><br>WARREN W. SCHAEFER, P.E.<br>P.E. NO. 44135                                                                    | DRAWING NO.<br><b>1103</b>                                                                                    |
|                                                                                                                                                                                   | REV.<br>SHEET NO.<br><b>5 OF 6</b>                                                                            |



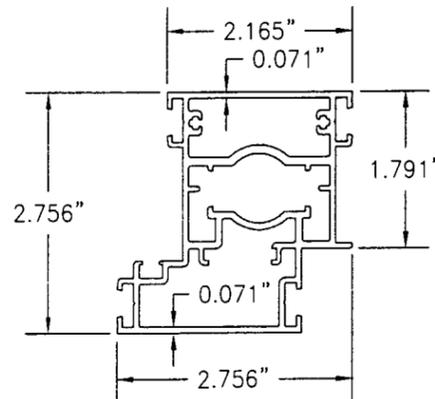
① FRAME PROFILE



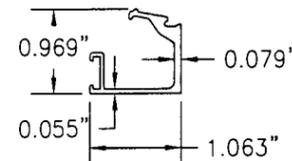
② PANEL PROFILE



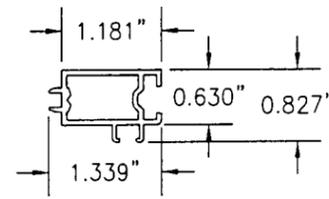
③ SLIDING POST PROFILE



④ LOCKING PROFILE



⑤ GLAZING STOP



⑥ REBATE EXTENTION

| ITEM #                  | PART           | ITEM DESCRIPTION                        | MANUFACTURER/NOTES                    |
|-------------------------|----------------|-----------------------------------------|---------------------------------------|
| PARTS                   |                |                                         |                                       |
| 1                       | 5-72-01-0      | FRAME PROFILE                           | 6063-T5 ALUMINUM                      |
| 2                       | 5-72-03-0      | PANEL PROFILE                           | 6063-T5 ALUMINUM                      |
| 3                       | 5-72-02-0      | SLIDING POST PROFILE                    | 6063-T5 ALUMINUM                      |
| 4                       | 5-72-17-0      | LOCKING POST PROFILE                    | 6063-T5 ALUMINUM                      |
| 5                       | 5-72-27-0      | GLAZING STOP                            | 6063-T5 ALUMINUM                      |
| 6                       | 5-72-10-0      | REBATE EXTENSION                        | 6063-T5 ALUMINUM                      |
| 7                       | 15-0-2278-0    | 5/8" X 5/8" CORNER CONNECTOR            | 6063-T5 ALUMINUM                      |
| 8                       | 15-0-2279-0    | 5/8" X 5/8" CORNER CONNECTOR W/HOLES    | 6063-T5 ALUMINUM                      |
| 9                       | 15-0-2280-0    | 5/8" X 1 1/16" CORNER CONNECTOR         | 6063-T5 ALUMINUM                      |
| 10                      | 15-0-2281-0    | 5/8" X 1 1/16" CORNER CONNECTOR W/HOLES | 6063-T5 ALUMINUM                      |
| HARDWARE                |                |                                         |                                       |
| 11                      | 15-0-2209-9016 | HINGE                                   | BURGHUIS/ZINC DIE CAST                |
| 12                      | 15-0-1129-0    | SHIM; UPPER GUIDE ROLLER                | NIEDERHOFF / POLYAMIDE                |
| 13                      | 15-0-2204-0    | SHIM; BOTTOM ROLLER                     | NIEDERHOFF / POLYAMIDE                |
| 14                      | 15-0-2001-0    | 2 POINT LOCKING HARDWARE                | ROHRBACH / ZINC DIE CAST              |
| 15                      | 15-0-2002-0    | 3 POINT LOCKING HARDWARE                | ROHRBACH / ZINC DIE CAST              |
| 16                      | 15-0-1140-9016 | PANEL CATCH                             | DENKER / POLYAMIDE PLASTIC            |
| 17                      | 15-0-1931-0    | BOTTOM ROLLER                           | NIEDERHOFF / POLYAMIDE                |
| 18                      | 15-0-1933-0    | UPPER GUIDING TROLLY                    | NIEDERHOFF / POLYAMIDE                |
| 19                      | 15-0-2305-9016 | HANDLE                                  | HEWI/ POLYAMIDE                       |
| 20                      | 15-0-2332-9    | SPINDLE (DOUBLE HANDLE-Ø1/4" X 4 1/8")  | GERARD / S.S.                         |
| 21                      | 15-0-2334-9    | SPINDLE (SINGLE HANDLE-Ø1/4" X 2 3/8")  | GERARD / S.S.                         |
| 22                      | 5-0-101-0      | LOCKING ROD (Ø5/16")                    | BROECKELMANN / ALUMINUM               |
| 23                      | 15-0-1098-0    | END CAP FOR LOCKING ROD                 | BRAEUNING + GESKE / POLYAMIDE         |
| SEALS & SEALANTS        |                |                                         |                                       |
| 24                      | 25-0-1060-0    | BRUSH SEAL                              | KULLEN / POLYAMIDE                    |
| 25                      | 25-0-1052-0    | GASKET                                  | SAARGUMMI / EPDM                      |
| 26                      | 25-0-1060-0    | GASKET                                  | SAARGUMMI / EPDM                      |
| 27                      | 25-0-1056-0    | MATING GASKET                           | SAARGUMMI / EPDM                      |
| 28                      | 25-0-1054-0    | FILLING RUBBER                          | SYNCAMER / EPDM                       |
| 29                      | 25-0-1050-0    | GASKET                                  | SYNCAMER / EPDM                       |
| 30                      | 25-70-21-0     | JAMB GASKET                             | BRAEUNING + GESKE / EPDM              |
| MISCELLANEOUS FASTENERS |                |                                         |                                       |
| 31                      | 20-0-07-10     | CONE PIN Ø5/16" X 3/4"                  | GERARD / BRASS                        |
| 32                      | -              | NO. 10 X 3/8" FH S.S. MS                | 2 PER HINGE LEAF (4 TOTAL)            |
| 34                      | -              | Ø3/16 X 1/4 S.S. SET SCREW              | 2 PER HINGE LEAF (4 TOTAL)            |
| 35                      | -              | NO. 8 X 1 3/4" FH S.S. SMS              | 4" FROM CORNER & 12" O.C.             |
| 36                      | -              | NO. 8 X 1" FH S.S. SMS                  | 2 PER PANEL LATCH                     |
| 37                      | -              | NO. 8 X 1 1/4" FH S.S. SMS              | 1 TOTAL, AS SHOWN, @ HANDLE ELEVATION |
| 38                      | -              | NO. 8 X 2 1/2" FH S.S. SMS              | 3 TOTAL, AS SHOWN, @ HANDLE ELEVATION |

|                      |        |             |          |
|----------------------|--------|-------------|----------|
| DRAWN BY:            | J.C.F. | CHECKED BY: | W.W.S.   |
| PLOT:                | 1=2    | DATE:       | 05/22/02 |
| DATE                 |        | BY          |          |
| REVISION DESCRIPTION |        |             |          |
| NO.                  |        |             |          |

DRAWING TITLE: SL72 - FOLDING ALUMINUM FRAMED OPENING GLASS WALL SYSTEM  
 MANUFACTURER: NANA WALL SYSTEMS, INC.  
 707 REDWOOD HIGHWAY  
 MILL VALLEY, CA 94941  
 425-383-3148  
 CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.  
 600 SANDTREE DRIVE, SUITE 203B  
 PALM BEACH GARDENS, FL 33403  
 PHONE: 561-775-4902 FAX: 561-775-4803

Approved as complying with the  
 Florida Building Code  
 Date 01/09/03  
 NOA# 02-0922.09  
 Miami Dade Product Control  
 Division  
 By: *Charles Berman*

|               |             |
|---------------|-------------|
| CERTIFICATION | NOV 26 2002 |
| DRAWING NO.   | 1103        |
| SHEET NO.     | 6 OF 6      |