



MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
 11805 SW 26 Street, Room 208
 Miami, Florida 33175-2474
 T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
 BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

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 and accepted by Miami-Dade County RER -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

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

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

DESCRIPTION: Series "SI-73" Aluminum Outswing Folding Doors-LMI

APPROVAL DOCUMENT: Drawing No. 1635 A, titled "SL-73 out-Swing Impact Folding Panels", sheets 1 through 8 of 8, dated 11/23/09 and last revised on DEC 19, 2011, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact

Limitations:

1. ADA/Flush Saddle Doors are not approved for water resistant unless complies w/ FBC requirements.
2. Max panel width= DLO width+8.125"

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, **Richmond, CA** or **Bissendorf, Germany** and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

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

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

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

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

This NOA revises #11-1024.05 and consists of this page 1 and evidence pages E-1 & E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



4
7/3/14

NOA No. 14-0428.04
 Expiration Date: August 11, 2015
 Approval Date: July 10, 2014
 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections. (Submitted under files # 11-1024.05/#10-0322.19)
2. Drawing No. 1635 A, titled "SL-73 out-Swing Impact Folding Panels", sheets 1 through 8 of 8, dated 11/23/09 and last revised on DEC 19, 2011, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.

B. TESTS (submitted under files # 11-1024.05 /#10-0322.19)

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) Small Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with installation diagram of aluminum outswing folding door, prepared by Architect Testing, Test Report No(s). 91077.01-301-18, dated 06/15/09 with revision 3 dated 03/09/10, signed and sealed by Tyler Westerling, P.E. and Joshua M. Royce, P.E.

(The test report have addendum letters dated Oct 06, 2011, related to glazing bead & gasket material & marked-up Dwgs and dated 06/16/10, issued by Architectural Testing, signed & sealed by Tyler Westerling, P.E. and Michael D. Stremmel, P. E., respectively)

C. CALCULATIONS (submitted under files # 10-0322.19)

1. Anchor verification calculation, complying w/ FBC 2007, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated March 16, 2010 and revised on June 08, 2010, signed and sealed by Warren W. Schaefer, P.E.
2. Glazing complies w/ ASTM E-1300-02 & -04

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 11-0624.02, issued to E.I. DuPont DeNemours for "SentryGlas Interlayer", expiring on 01/14/2017.
2. Test report No. 60520.01-106-18 dtd 11/09/06, issued by Architectural Testing for " Tecatherm 66 GF (insul bar material) for Xenon Arch weathering per ASTM G-55, tensile test per ASTM D-638, smoke density per ASTM D-2843, rate of burning per ASTM D-635 & self-ignition test per ASTM D-1929, signed and sealed by Joseph M. Brickner and Todd D. Burroughs.
3. Marked-up Tremco (EPDM) technical data sheet, issued by Architectural Testing.



Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 14-0428.04
Expiration Date: August 11, 2015
Approval Date: July 10, 2014

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- F. STATEMENTS** (Items 3, 4 & 5 below submitted under file # 11-1024.05)
1. Statement letter of conformance to FBC 2014(5th Edition) and letter of no financial interest, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated April 15, 2014, signed and sealed by Warren W. Schaefer, P.E.
 2. Statement letter, prepared by W. W. Schaefer Engineering & Consulting, P.A. dated April 10, 2014, of NOA Drawings and testing have been reviewed to 2014 FBC and found compliant and that No change to existing NOA documents are required, signed by Warren W. Schaefer, P.E.
 3. Statement letter of conformance to FBC 2007 and FBC 2010, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated OCT 18, 2011, signed & sealed by Warren W. Schaefer, P.E.
 4. Distribution agreement between Solarlux Nana Mfg. LLC, Richmond, CA and Nana Wall System Mill Valley, CA.
 5. Distribution agreement between Solarlux Nana Mfg. LLC, Bissendorf, Germany and Nana Wall System Mill Valley, CA.
 6. Lab compliance as part of the above referenced test report.
- G. OTHER**
1. This NOA revises #11-1024.05, expiring AUG 11, 2015.
 2. Test proposal # 09-0568 dated May 26, 2009, approved by BCCO.



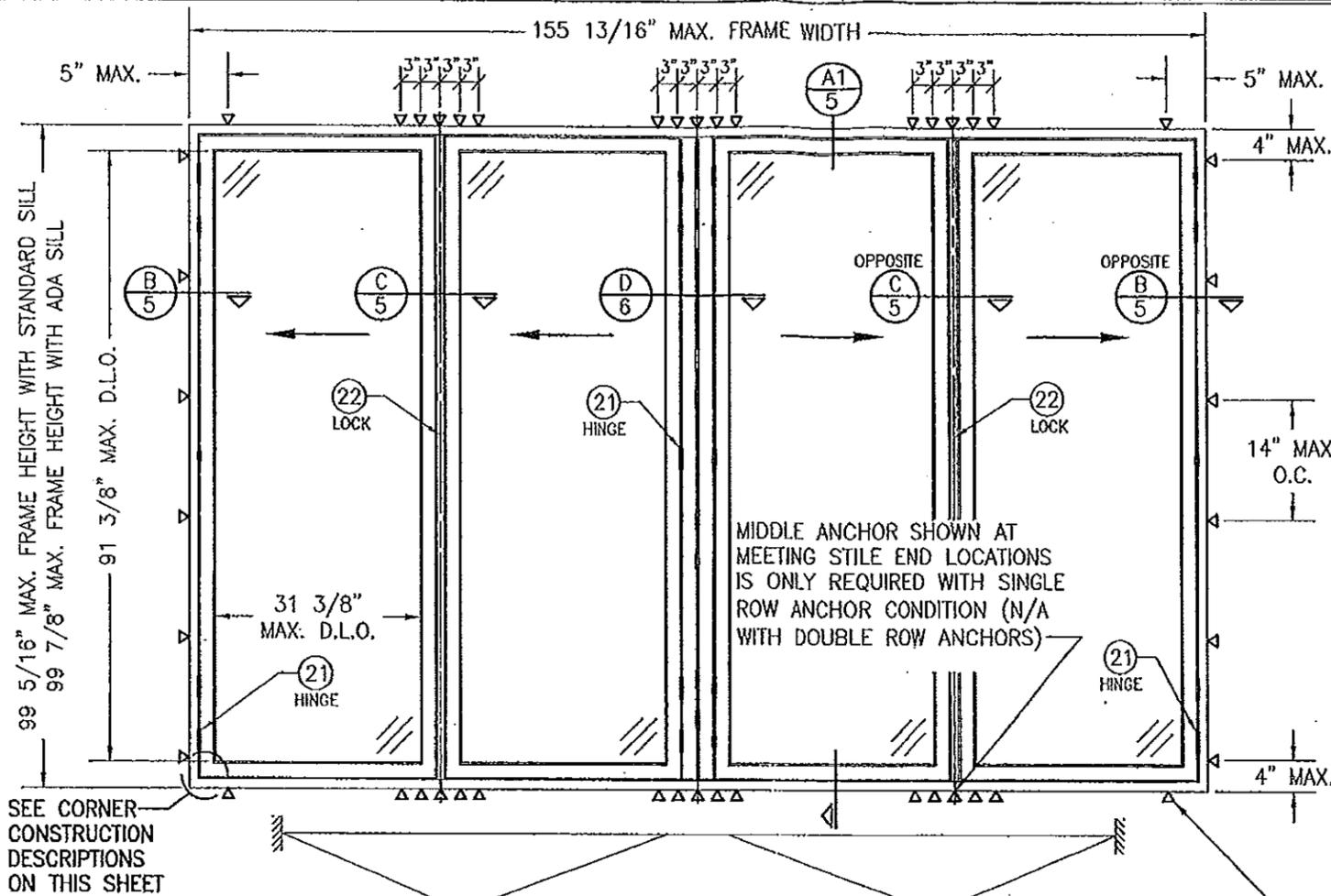
Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 14-0428.04
Expiration Date: August 11, 2015
Approval Date: July 10, 2014

GENERAL NOTES:

1. THESE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & 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 & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT DOORS.
5. THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE DOORS.
7. ALL ANCHORS SECURING DOOR FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF $K_d = 0.85$ MAY BE APPLIED PER THE ASCE-7 STANDARD.
9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR $C_d = 1.6$ WAS USED FOR WOOD SCREW ANALYSIS ONLY.
10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.

HINGE REQUIREMENTS

5 PER PANEL (ALL PANEL SIZES)
PLACED APPROXIMATELY 5" & 13" FROM TOP & BOTTOM & AT MIDDLE OF PANEL



SEE CORNER CONSTRUCTION DESCRIPTIONS ON THIS SHEET

**EXTERIOR ELEVATION:
(2 DIRECTION FOLDING PANELS)**
SCALE: 1/2" = 1'-0"

FRAME SCREWS WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR REQUIREMENTS (APPLICABLE TO SINGLE OR DOUBLE ROW OF SCREWS).

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 14-0429-0
Expiration Date April 2015
By *Isaac I. Chandy*
Miami Dade Product Control

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 11-1024-05
Expiration Date 02/11/2015
By *Isaac I. Chandy*
Miami Dade Product Control

CORNER CONSTRUCTION:

FRAME (WITH STANDARD RAISED SILL): MEMBERS ARE MITERED, BUTTED & JOINED VIA (2) TWO CORNER KEYS (ITEM #12) EACH CORNER KEY IS SECURED WITH (2) TWO #5/16" X 3/4" BRASS CONE PINS. CORNERS ARE SEALED WITH SILICONE SEALANT.
FLUSH SADDLE SILL: MEMBERS ARE SQUARE CUT, BUTTED & JOINED VIA AN END CAP WITH (3) THREE 1/8" X 5/8" FHIF SCREWS AT THE SILL & (2) TWO 1/8" X 5/8" FHIF SCREWS AT THE VERTICAL MEMBER. CORNERS ARE SEALED WITH A CUSHION WEATHERSTRIPPING.
RAIL TO STILE: MEMBERS ARE MITERED, BUTTED & JOINED VIA (2) TWO CORNER KEYS (ITEM #13 & #14) THE CORNER KEY IS SECURED BY CRIMPING (2) TWO LEGS EACH PANEL. CORNERS ARE SEALED WITH SILICONE SEALANT.

THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
DATE: 11/23/09	

(2) ALLOWABLE DESIGN PRESSURE

(1) MAX. FRAME HEIGHT (IN.)	MAX. D.L.O. WIDTH (IN.)	ALLOWABLE PRESSURE (PSF)	
		POS.	NEG.
99 7/8	31 3/8	70.0	70.0
	28 3/8	75.8	75.8
	25 3/8	80.0	82.5
	22 3/8	80.0	90.0
93 7/8	31 3/8	74.5	74.5
	28 3/8	80.0	80.6
	25 3/8	80.0	87.8
87 7/8	31 3/8	79.6	79.6
	28 3/8	80.0	86.1
	26 3/8	80.0	90.0
82 7/8	31 3/8	80.0	84.4
	28 3/8	80.0	90.0

(1) FRAME HEIGHT SHOWN CONSIDERS THE CONDITION WHEN ADA SILL IS USED. FRAME HEIGHT IS 9/16" LESS WHEN STANDARD SILL IS USED.
(2) WHEN AN ADA/FLUSH SADDLE SILL IS USED, THESE DOORS ARE NOT APPROVED FOR USE WHERE WATER INFILTRATION RESISTANCE IS REQUIRED BY THE DOOR UNLESS UNITS ARE INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT & THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION OR THEY ARE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG WHERE-BY THE OVERHANG(OH) RATIO IS EQUAL TO OR MORE THAN 1.0 PER FBC CHAPTER 24.

FRAME ANCHOR REQUIREMENTS TABLE

FRAME SCREWS			
OPENING TYPE (SUBSTRATE)	FRAME TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
(1) SINGLE SCREW ROW			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 14 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 16 GA. 33 KSI METAL STUD	1/4" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	1/4" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	1/4" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. C-90 CMU	(2) 1/4" CONCRETE SCREW	1 1/4"	2 1/2"
MIN. 2500 PSI CONCRETE	(2) 1/4" CONCRETE SCREW	1 1/2"	2 1/2"
DOUBLE SCREW ROW			
(3) MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. C-90 CMU	(2) 1/4" CONCRETE SCREW	1 1/4"	2"
MIN. 2500 PSI CONCRETE	(2) 1/4" CONCRETE SCREW	1 1/2"	2"

- (1) WHEN SINGLE SCREW ROW ANCHORING METHOD IS USED SCREWS MUST HAVE A #3/4" O.D. FLAT WASHER AT THE SCREW HEAD.
- (2) CONCRETE SCREWS SHALL BE ELCO ULTRACONS, ITW RAMSET/RED HEAD TAPCONS OR HILTI KWIK-CON II (HARDENED STEEL OR S.S.).
- (3) 2X6 WOOD BUCK MAY BE RIPPED DOWN TO 4 1/2" PROVIDING THAT REQ'D SCREW TO BUCK EDGE DISTANCES ARE MAINTAINED.

DRAWING TITLE: SL-73 OUT-SWING IMPACT FOLDING PANELS

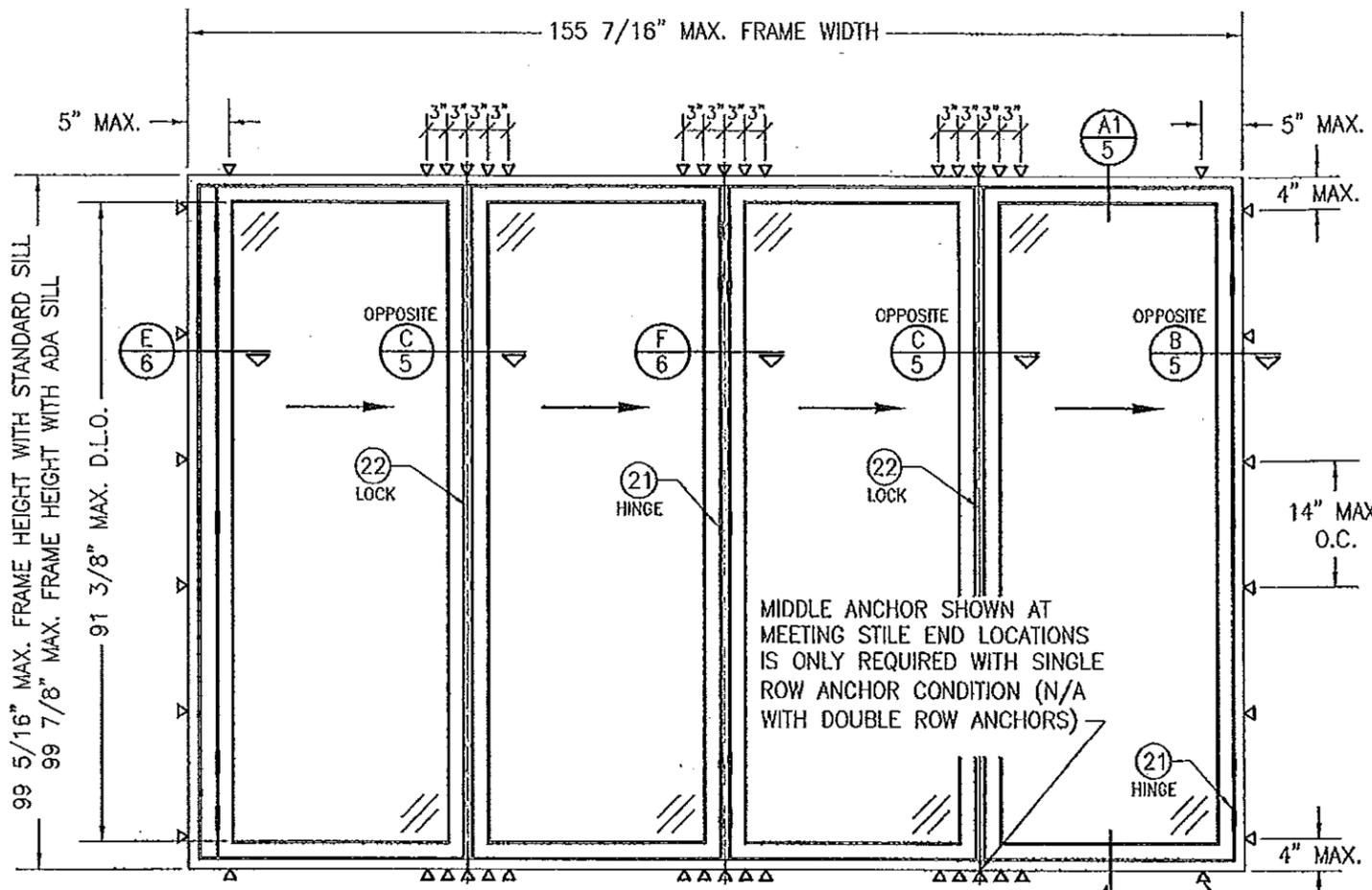
MANUFACTURER: NANA WALL SYSTEMS, INC
707 REDWOOD HIGHWAY
MILL VALLEY, CA 94941
800-873-5673

CONSULTANTS: W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

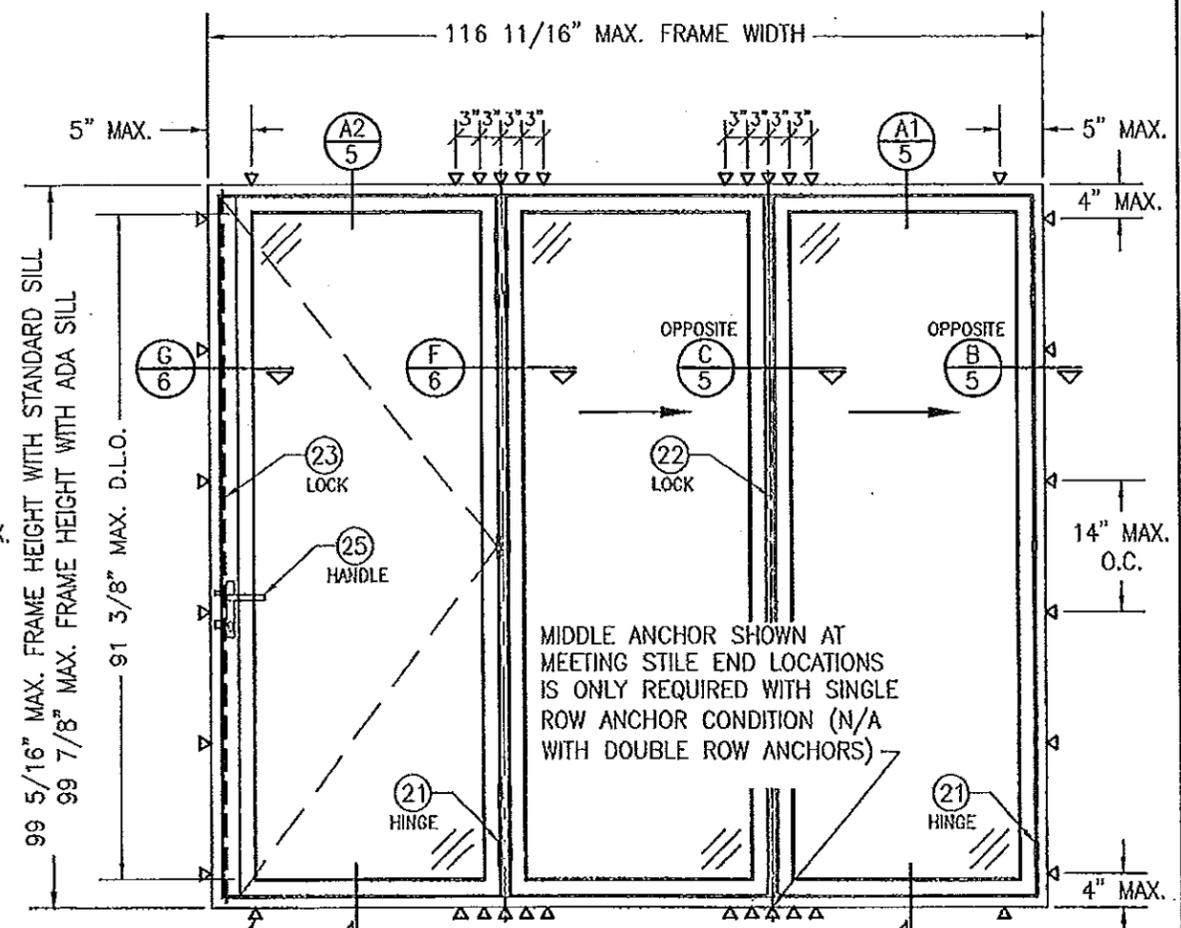


CERTIFICATION: DEC 19 2011

DRAWING NO. 1635	REV. A
SHEET NO. 1 OF 8	



**EXTERIOR ELEVATION:
(1 DIRECTION FOLDING PANELS)**
SCALE: 1/2" = 1'-0"



**EXTERIOR ELEVATION:
(1 DIRECTION FOLDING PANELS WITH SWING PANEL
LOCKING TO JAMB)**
SCALE: 1/2" = 1'-0"
(ACTIVE SWING DOOR SHOWN WITH MULTI-POINT LOCK.
DEADBOLT/FLUSH BOLT LOCK COMBINATION ALSO APPLIES)

FRAME SCREWS WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS (APPLICABLE TO SINGLE OR DOUBLE ROW OF SCREWS).

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-0428.04
Expiration Date 05/11/15
By: *Shay L. Hunte*
Miami Dade Product Center

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1024.05
Expiration Date 07/11/15
By: *Shay L. Hunte*
Miami Dade Product Center



DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 11/23/09
DATE	
BY	
REVISION DESCRIPTION	
NO.	

DRAWING TITLE: **SL-73 OUT-SWING IMPACT FOLDING PANELS**

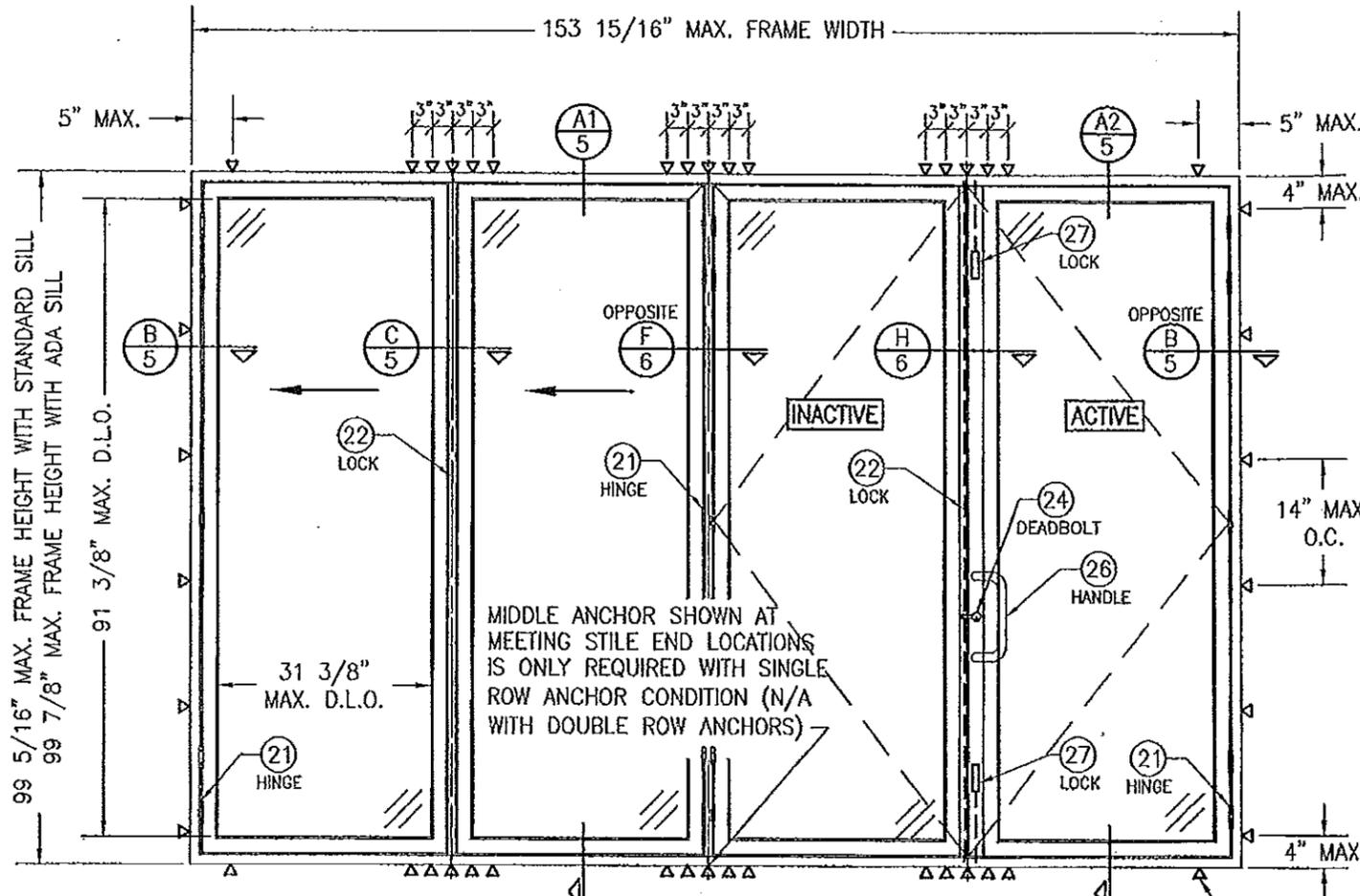
CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

MANUFACTURER
NANA WALL SYSTEMS, INC
707 REDWOOD HIGHWAY
MILL VALLEY, CA 94941
800-873-5673

CERTIFICATION
DEC 19 2011

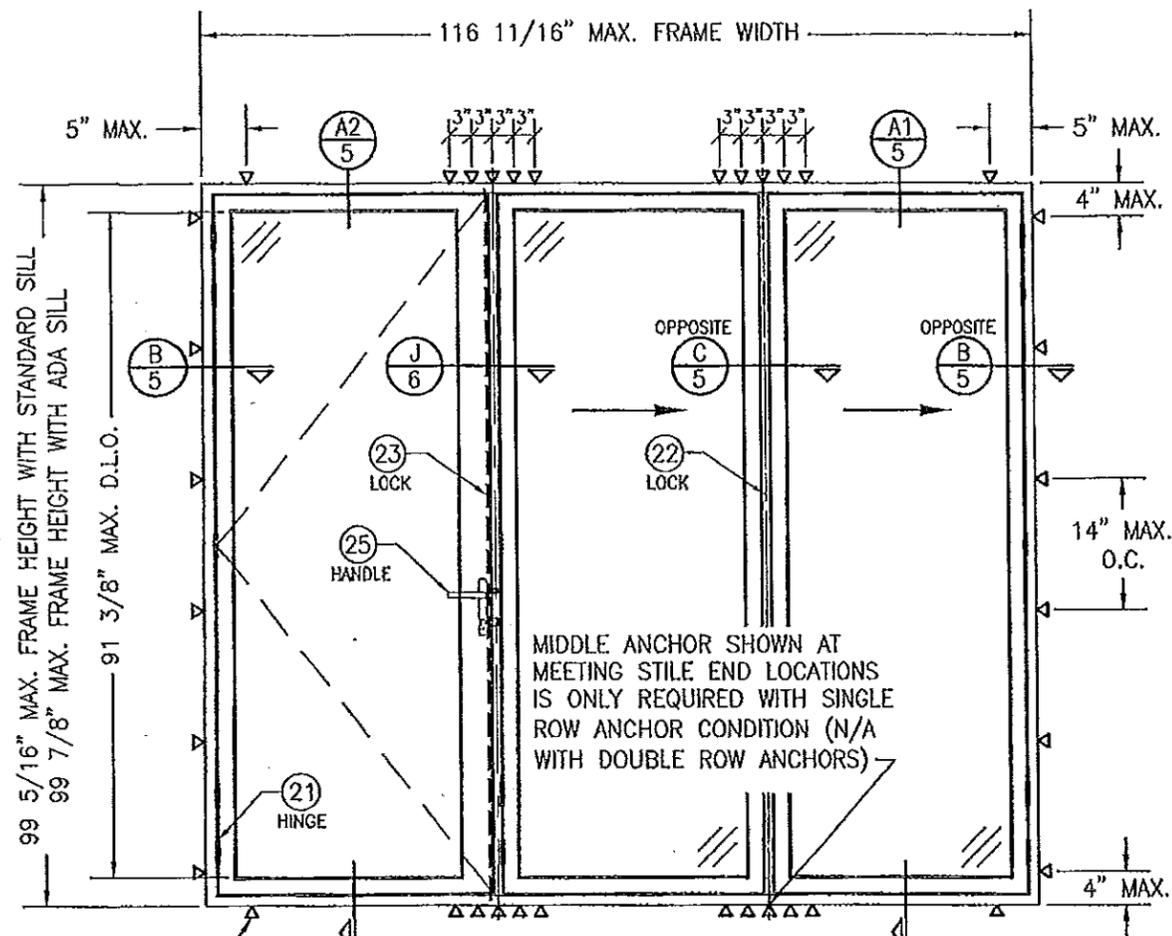
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO. 1635	REV. A
SHEET NO. 2 of 8	



EXTERIOR ELEVATION:
(1 DIRECTION FOLDING PANELS WITH DOUBLE SWING PANELS)

SCALE: 1/2" = 1'-0"
 (ACTIVE SWING DOOR SHOWN WITH DEADBOLT/FLUSH BOLT LOCK COMBINATION. MULTI-POINT LOCK ALSO APPLIES)



EXTERIOR ELEVATION:
(SWING PANEL LOCKING TO 1 DIRECTION FOLDING PANELS)

SCALE: 1/2" = 1'-0"
 (ACTIVE SWING DOOR SHOWN WITH MULTI-POINT LOCK. DEADBOLT/FLUSH BOLT LOCK COMBINATION ALSO APPLIES)

FRAME SCREWS WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS (APPLICABLE TO SINGLE OR DOUBLE ROW OF SCREWS).

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. 14-0428-04
 Expiration Date 8/11/15
 By *Isaac I. Chaudhry*
 Miami Dade Product Control

PRODUCT RENEWED
 as complying with the Florida Building Code
 Acceptance No. 11-1024-05
 Expiration Date 8/11/15
 By *Isaac I. Chaudhry*
 Miami Dade Product Control



DRAWN BY:	W.R.V.	CHECKED BY:	W.M.S.
PLOT:	1-21	DATE:	11/23/09
DATE:		BY:	
NO.		REVISION DESCRIPTION	

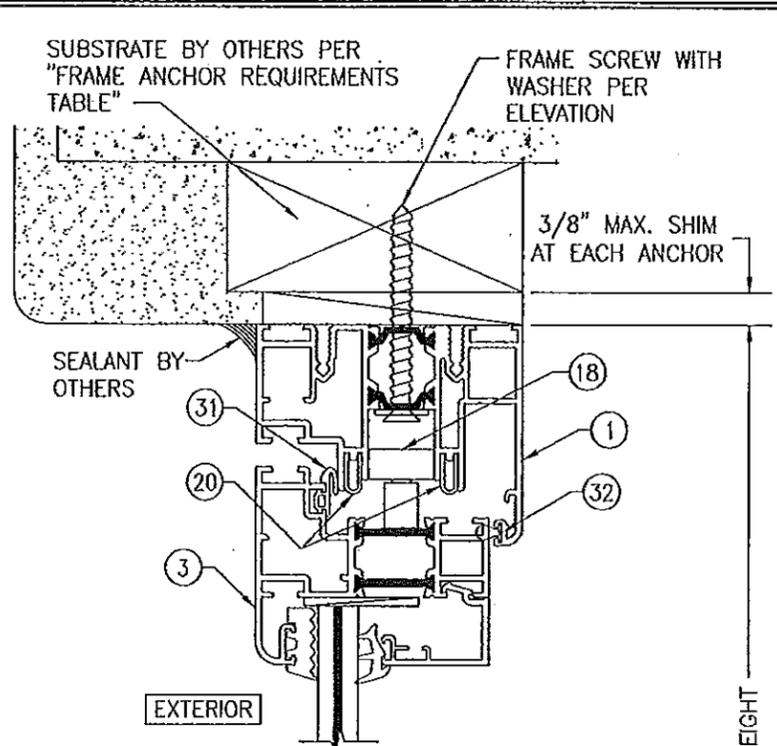
DRAWING TITLE: SL-75 OUT-SWING IMPACT FOLDING PANELS

MANUFACTURER: NANA WALL SYSTEMS, INC
 707 REDWOOD HIGHWAY
 MILL VALLEY, CA 94941
 800-873-5673

CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
 7480 150TH COURT NORTH
 PALM BEACH GARDENS, FL 33418
 PHONE: 561-744-5424

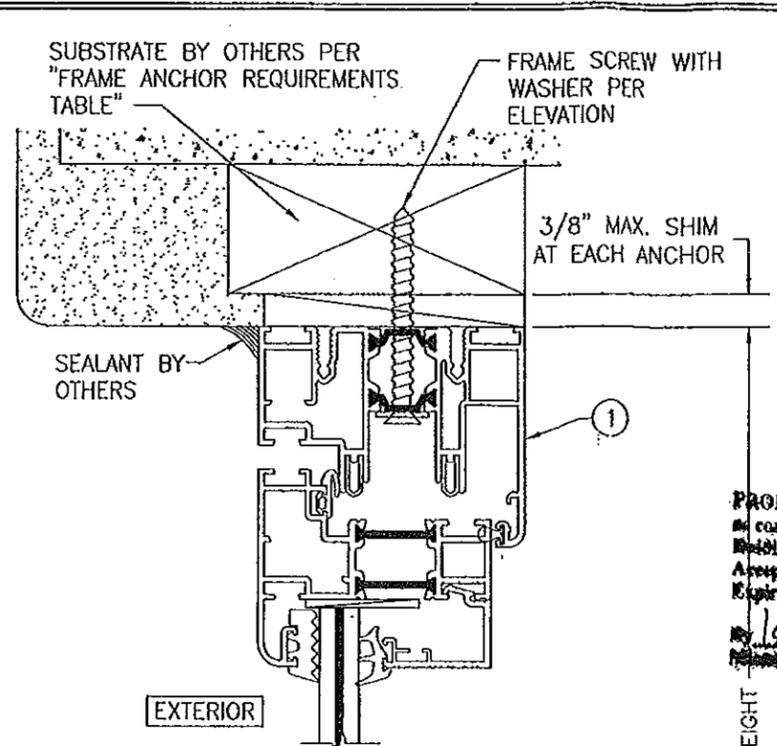
WARREN W. SCHAEFER, P.E.
 P.E. NO. 44135

DRAWING NO.	REV.
1635	A
SHEET NO.	
3 OF 8	



SECTION A1
SCALE: 1/2 FULL

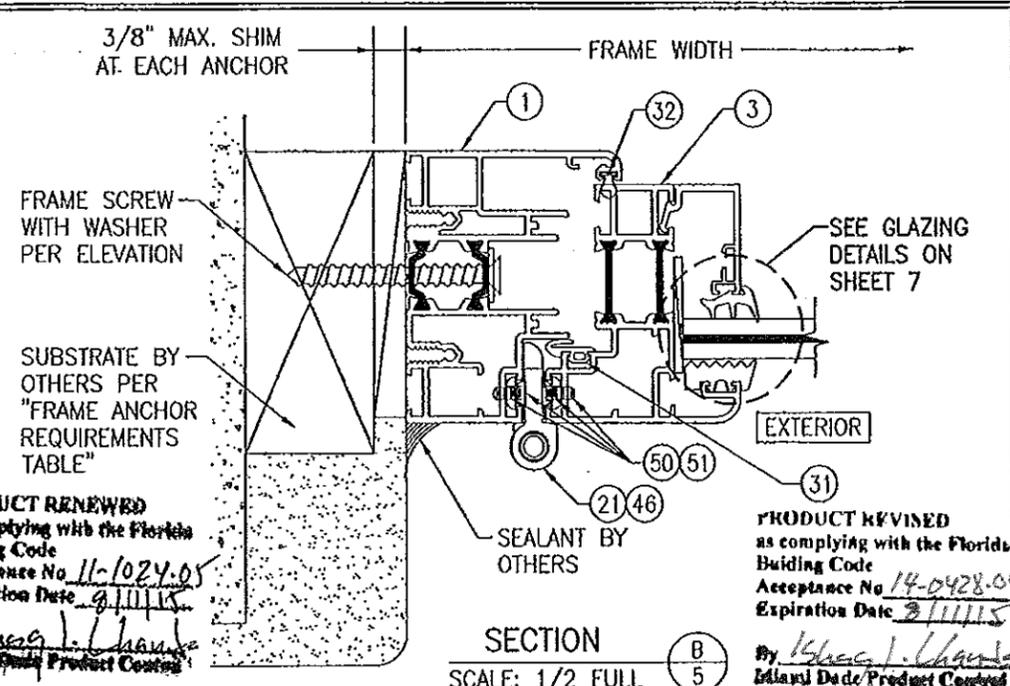
* STANDARD LOW PROFILE SILL RAIL CONDITION SHOWN. SEE "HIGH PROFILE SILL RAIL DETAIL" ON SHEET 6 FOR HIGH PROFILE SILL RAIL CONDITION
 * STANDARD SILL CONDITION SHOWN. SEE "FLUSH SADDLE SILL DETAIL" ON SHEET 7 FOR ADA SILL CONDITION



SECTION A2
SCALE: 1/2 FULL

(FOR DETAIL NOT SHOWN, SEE SECTION A1/5)

INSTALLATION CONDITION SHOWN IN THESE SECTIONS IS FOR A SINGLE ANCHOR ROW CONDITION. FOR THE DOUBLE ANCHOR ROW CONDITION, SEE "DOUBLE ANCHOR ROW DETAILS" ON SHEETS 6 & 7

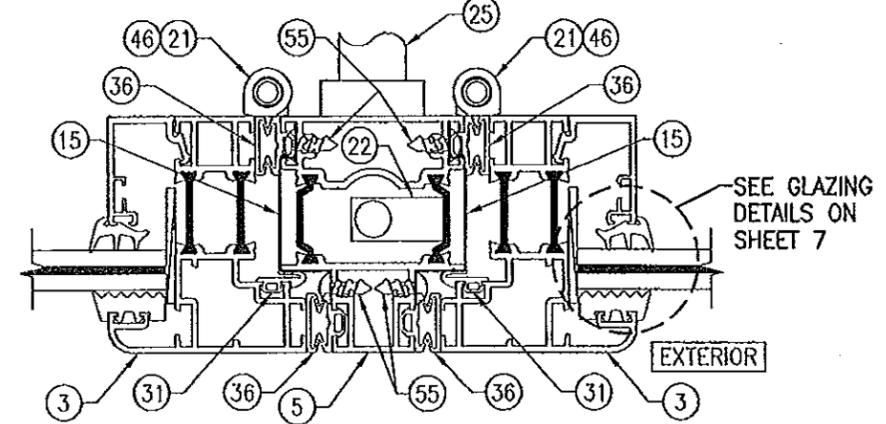


SECTION B
SCALE: 1/2 FULL

(FOR SEAL AT HINGE LOCATION NOT SHOWN, SEE SECTION E/6)

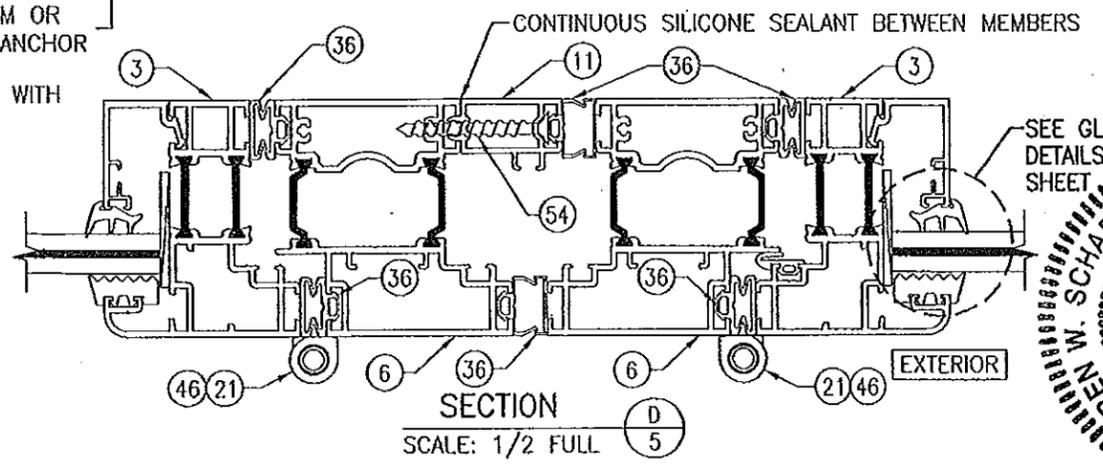
PRODUCT RENEWED as complying with the Florida Building Code Acceptance No. 11-1024-05 Expiration Date 9/1/11 By *Isaac J. Chan* Island Data Product Control

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 14-0428-05 Expiration Date 2/1/15 By *Isaac J. Chan* Island Data Product Control



SECTION C
SCALE: 1/2 FULL

(FOR HINGE DETAIL NOT SHOWN, SEE SECTION B/5)



SECTION D
SCALE: 1/2 FULL

(FOR HINGE DETAIL NOT SHOWN, SEE SECTION B/5)

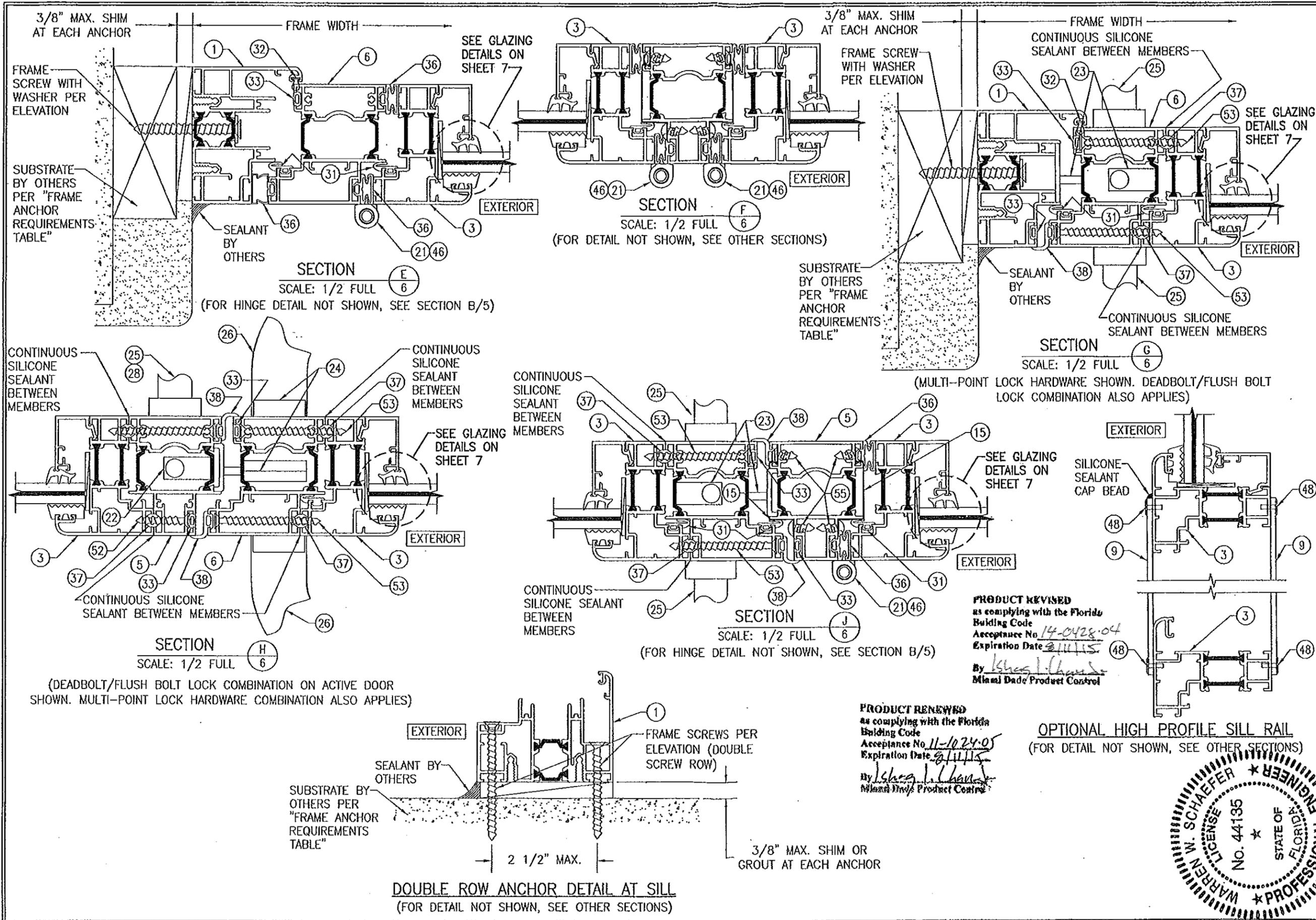
DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 11/23/09
NO.	REVISION DESCRIPTION

MANUFACTURER
NANA WALL SYSTEMS, INC
 707 REDWOOD HIGHWAY
 MILL VALLEY, CA 94941
 800-873-5673

CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
 7480 150TH COURT NORTH
 PALM BEACH GARDENS, FL 33418
 PHONE: 561-744-3424

DEC 19 2011
 WAREN W. SCHAEFER
 LICENSE NO. 44135
 CERTIFICATION
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 P.E.
 WAREN W. SCHAEFER
 LICENSE NO. 44135

DATE: 11/23/09	REV. A
SHEET NO. 5	OF 8



DRAWN BY: W.R.U.	CHECKED BY: W.S.
PLOT: 1=2	DATE: 11/23/09
DATE	
BY	
REVISION DESCRIPTION	
NO.	

DRAWING TITLE
SL-73 OUT-SWING IMPACT FOLDING PANELS

MANUFACTURER
NANA WALL SYSTEMS, INC
707 REDWOOD HIGHWAY
MILL VALLEY, CA 94941
800-873-5673

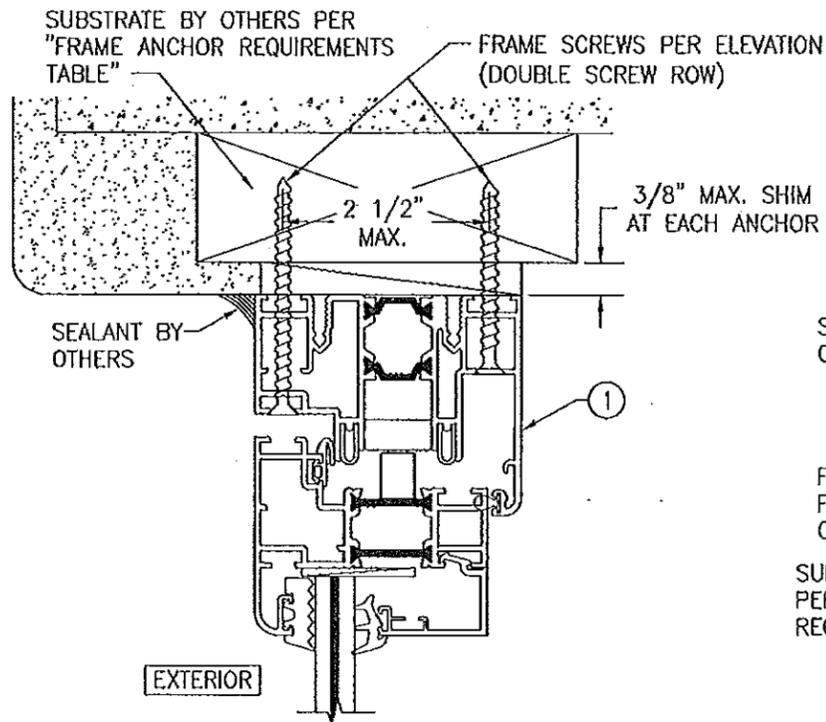
CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH, 33418
PALM BEACH GARDENS, FL
PHONE: 561-744-3424

WARREN W. SCHAEFER
LICENSE No. 44135
STATE OF FLORIDA
PROFESSIONAL ENGINEER

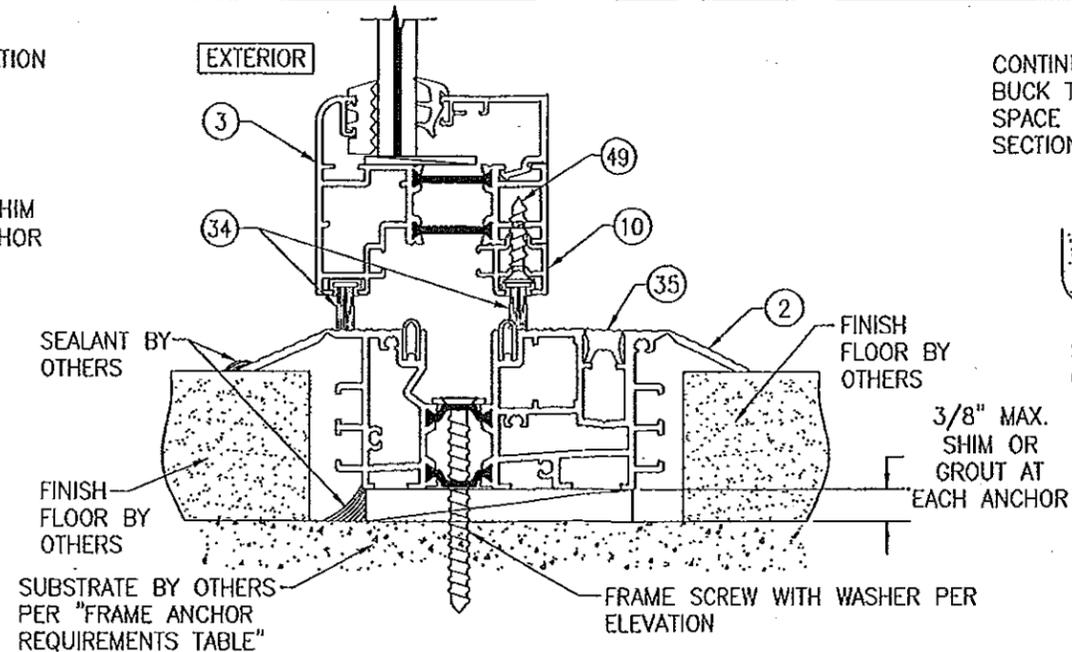
DEC 19 2009

WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO. 1635
REV. A
SHEET NO. 6 OF 8

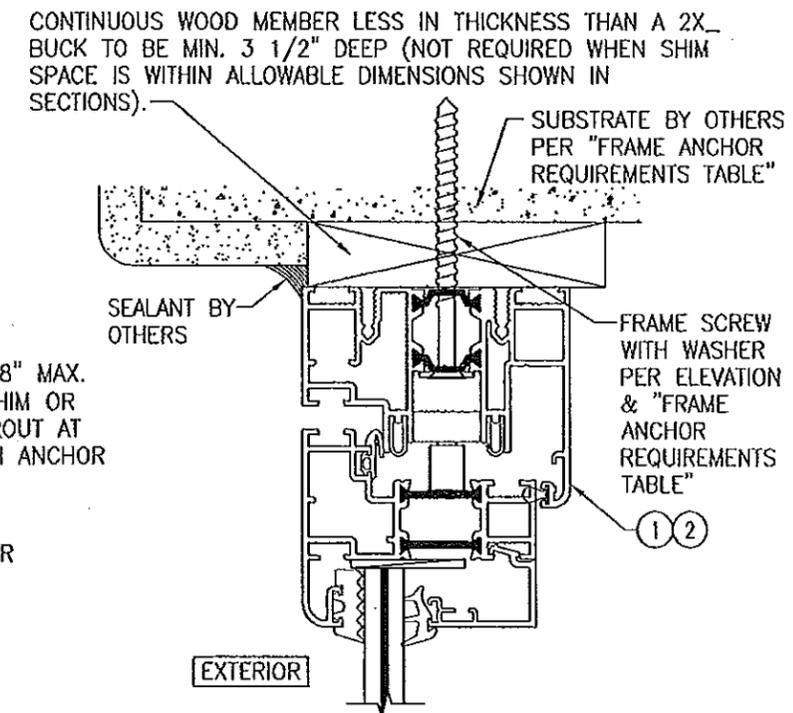


DOUBLE ROW ANCHOR DETAIL AT HEAD & SIDES
 (FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)
 (HEAD SECTION SHOWN. SIDES ARE INSTALLED THE SAME)

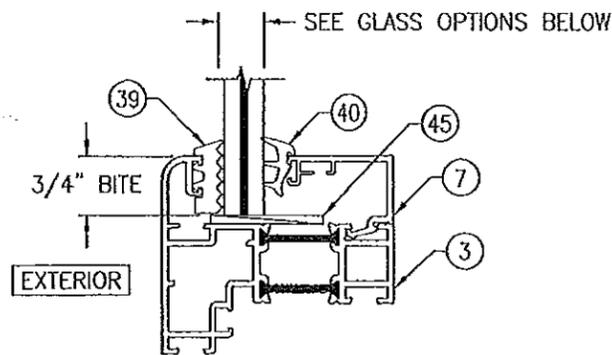


FLUSH SADDLE SILL DETAIL
 (SWING DOOR SHOWN. FOLDING PANELS ARE INSTALLED THE SAME)
 (FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)
 (DOUBLE SCREW ROW DOES NOT APPLY TO THIS DETAIL)

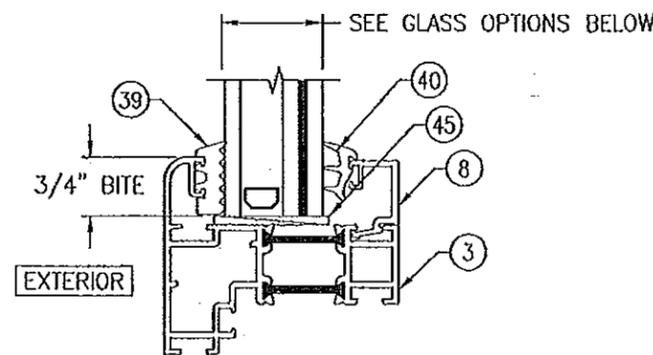
WHEN AN ADA/FLUSH SADDLE SILL IS USED, THESE DOORS ARE NOT APPROVED FOR USE WHERE WATER INFILTRATION RESISTANCE IS REQUIRED BY THE DOOR UNLESS UNITS ARE INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT & THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION OR THEY ARE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG WHERE-BY THE OVERHANG(OH) RATIO IS EQUAL TO OR MORE THAN 1.0 PER FBC CHAPTER 24.



OPTIONAL DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER
 (HEAD SECTION SHOWN. SILL & SIDES ARE INSTALLED THE SAME)
 (FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)
 (SINGLE SCREW ROW INSTALLATION SHOWN. DOUBLE SCREW ROW ALSO APPLIES)



NON-I.G. GLAZING DETAIL
GLASS OPTIONS 1 & 2
 GLASS OPTION 1: 7/16" LAMINATED GLASS (3/16" H.S./0.09 DUPONT SGP/3/16" H.S.)
 GLASS OPTION 2: 7/16" LAMINATED GLASS (3/16" AN./0.09 DUPONT SGP/3/16" AN.)



I.G. GLAZING DETAIL
GLASS OPTIONS 3, 4, 5 & 6
 GLASS OPTION 3: 1 1/8" I.G. LAMINATED GLASS (3/16" H.S./0.09 DUPONT SGP/3/16" H.S. INTERIOR; 1/2" AIR SPACE; 3/16" TEMP. EXTERIOR)
 GLASS OPTION 4: 1 1/8" I.G. LAMINATED GLASS (3/16" H.S./0.09 DUPONT SGP/3/16" H.S. INTERIOR; 7/16" AIR SPACE; 1/4" TEMP. EXTERIOR)
 GLASS OPTION 5: 1 1/8" I.G. LAMINATED GLASS (3/16" AN./0.09 DUPONT SGP/3/16" AN. INTERIOR; 1/2" AIR SPACE; 3/16" TEMP. EXTERIOR)
 GLASS OPTION 6: 1 1/8" I.G. LAMINATED GLASS (3/16" AN./0.09 DUPONT SGP/3/16" AN. INTERIOR; 7/16" AIR SPACE; 1/4" TEMP. EXTERIOR)

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. 14-0428-04
 Expiration Date 8/1/11
 By *[Signature]*
 Miami Dade Product Control

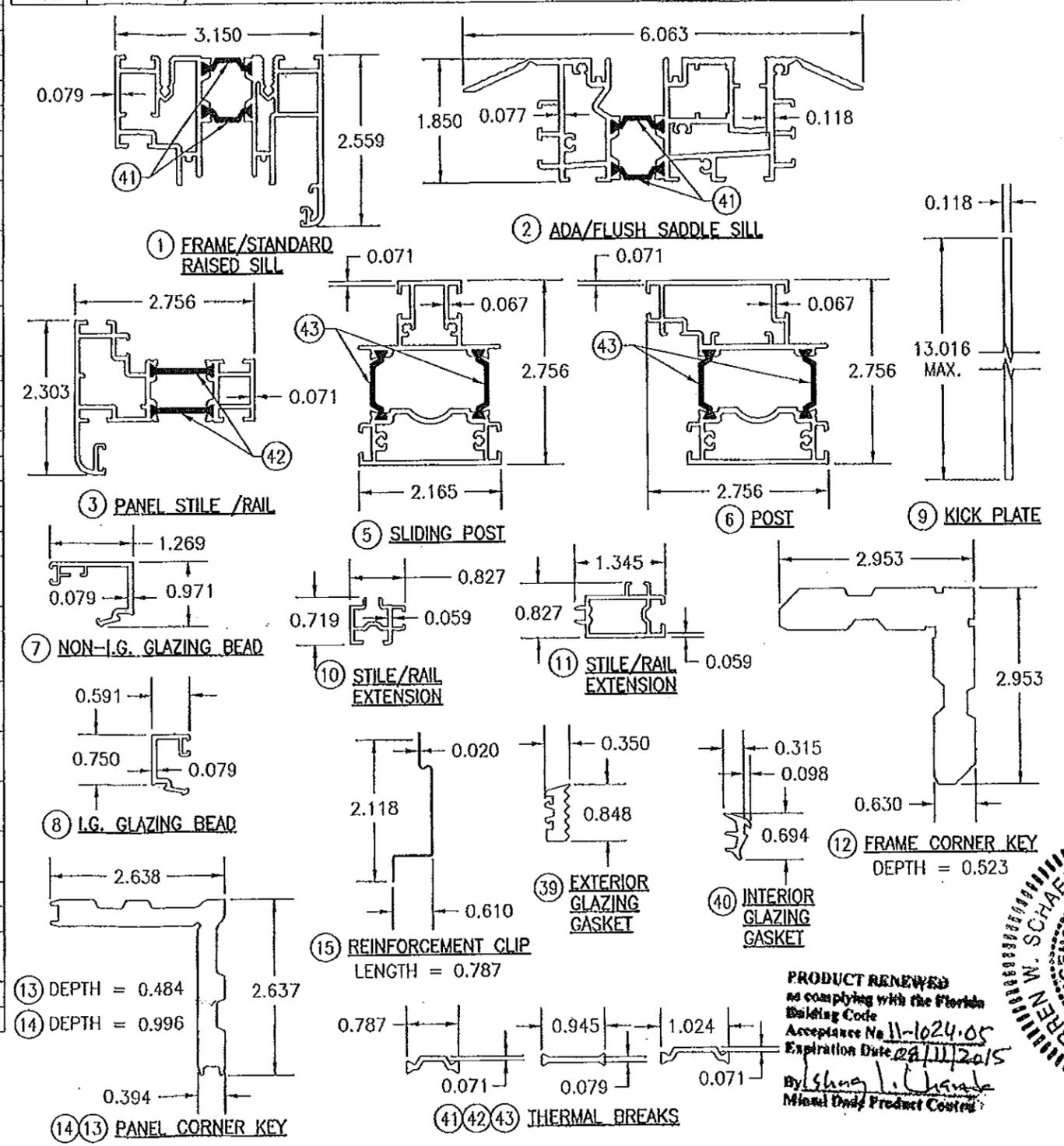
PRODUCT RENEWED
 as complying with the Florida Building Code
 Acceptance No. 11-1024-05
 Expiration Date 8/1/11
 By *[Signature]*
 Miami Dade Product Control



DRAWN BY: W.R.U.	CHECKED BY: W.M.S.
FLOT: 1-2	DATE: 11/23/09
DATE	BY
REVISION DESCRIPTION	
NO.	
DRAWING TITLE SL-73 OUT-SWING IMPACT FOLDING PANELS	
MANUFACTURER NANA WALL SYSTEMS, INC 707 REDWOOD HIGHWAY MILL VALLEY, CA 94941 800-873-5673	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION DEC 19 2011 WARREN M. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1635	REV. A
SHEET NO. 7 OF 8	

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS		
1	FRAME/STANDARD RAISED SILL	6063-T5 ALUMINUM
2	ADA/FLUSH SADDLE SILL	6063-T5 ALUMINUM
3	PANEL STILE /RAIL	6063-T5 ALUMINUM
5	SLIDING POST	6063-T5 ALUMINUM
6	POST	6063-T5 ALUMINUM
7	NON-I.G. GLAZING BEAD	6063-T5 ALUMINUM
8	I.G. GLAZING BEAD	6063-T5 ALUMINUM
9	KICK PLATE	6063-T5 ALUMINUM
10	STILE/RAIL EXTENSION	6063-T5 ALUMINUM
11	STILE/RAIL EXTENSION	6063-T5 ALUMINUM
12	FRAME CORNER KEY	6063-T5 ALUMINUM
13	PANEL CORNER KEY	6063-T5 ALUMINUM
14	PANEL CORNER KEY	6063-T5 ALUMINUM
15	REINFORCEMENT CLIP (4 PER POST; 2 EACH END)	S.S.
HARDWARE		
18	UPPER GUIDING TROLLEY ROLLER REINFORCEMENT	NEIDERHOFF OR DELLENBUSH 15-71-53-1 WESTERFELD 15-73-78-X S.S.
19	BOTTOM ROLLER & ROLLER REINFORCEMENT	NEIDERHOFF OR DELLENBUSH 15-71-50-1 WESTERFELD 15-73-78-X S.S.
20	STEEL INSERT ROLLER TRACK	WELSER 5-66-09
21	BUTT HINGE	BURGHHAUS 15-0-2210-190 DIECAST OR IBW IDEAL 15-0-2227/8-120 S.S.
22	CONCEALED 2-POINT LOCK	EURIT SRL 15-0-2001-1
23	3-POINT MULTI-POINT LOCK	VBH GMBH 15-60-27-1
24	DEADBOLT	VBH GMBH 15-0-210-109
25	OPERATOR HANDLE	AS REQ'D TO OPERATE 2 & 3-POINT LOCK
26	OPERATOR HANDLE	AS REQ'D WITH PUSH/PULL SWING DOORS
27	CONCEALED 1-POINT LOCK	EURIT SRL 15-0-2001-1
28	CONCEALED 2-POINT LOCK	WIHL. SCHLECHTENDAHL & SOHNE 15-0-218
SEALS & SEALANTS		
31	WEATHERSTRIP	DURAPROOF OR TREMCO 25-0-1052-195 EPDM
32	Q-LON GASKET	SCHLAGEL Q300T190 POLYETHYLENE
33	COVER GASKET	JAGEER GUMMI UND KUNSTSTOFF OR TREMCO 25-0-1054-195 EPDM
35	FILLER SEAL	DURAPROOF OR TREMCO 25-0-1084-155 EPDM
36	PANEL GASKET	DURAPROOF OR TREMCO 25-0-1036-195 EPDM
37	CONNECTOR	DURAPROOF OR TREMCO 25-0-1056-195 EPDM
38	PANEL GASKET	SYNCAMER GUMMI OR TREMCO 25-0-1050-195 EPDM
39	EXTERIOR GLAZING GASKET (DUROMETER = 56)	TREMCO TX16702E EPDM
40	INTERIOR GLAZING GASKET (DUROMETER = 70)	TREMCO 25-0-1007-X EPDM
41-43	DEBRIDGING/THERMAL BREAK	ENSINGER, INC., TECATHERM 66 GF INSULBAR POLYAMIDE
45	GLAZING SHIM	GLUSKE, PVC
46	1/2" X 3" X 1/16" THICK GLAZING TAPE	ADHERED TO EA. HINGE AS A SEAL

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
FASTENERS		
48	1/8" RIVET	6 PER KICK PLATE
49	NO. 8 X 1" SMS SCREW	WITHIN 4" FROM CORNERS & MAX. 16" O.C.
50	NO. 10 X 3/8" FH S.S. MS	4 PER HINGE
51	3/16 X 1/4 S.S. SET SCREW	4 PER HINGE
52	NO. 8 X 1 1/4" SMS SCREW	WITHIN 4" FROM CORNERS & MAX. 16" O.C.
53	NO. 8 X 2 3/4" SMS SCREW	WITHIN 4" FROM CORNERS & MAX. 16" O.C.
54	NO. 8 X 1 3/4" SMS SCREW	WITHIN 4" FROM CORNERS & MAX. 16" O.C.
55	NO. 8 X 1/2" SMS SCREW	2 PER CLIP



DRAWN BY: W.R.M.	CHECKED BY: W.S.
DATE: 11/23/09	DATE: 11/23/09
NO. REVISION DESCRIPTION	
DATE BY	
REVISION DESCRIPTION	
NO.	

DRAWING TITLE
SL-73 OUT-SWING IMPACT FOLDING PANELS

MANUFACTURER
NANA WALL SYSTEMS, INC
707 REDWOOD HIGHWAY
MILL VALLEY, CA 94941
800-873-5673

CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-5424

PROFESSIONAL SEAL
W. W. SCHAEFER
REGISTERED PROFESSIONAL ENGINEER
STATE OF FLORIDA
NO. 44150
EXPIRES 12/31/2011
DEC 19 2011
By: *Shang L. Chen*
Michael Dwyer Product Control

PRODUCT REVISED
no complying with the Florida Building Code
Acceptance No 11-1024-05
Expiration Date 08/11/2015
By: *Shang L. Chen*
Michael Dwyer Product Control

DRAWING NO. 1035
REV. A
SHEET NO. 8 OF 8