



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
www.miamidade.gov/buildingcode

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 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 Florida Building Code, including the High Velocity Hurricane Zone.

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

APPROVAL DOCUMENT: Drawing No. 1636, titled "SL-73 In-Swing Impact Folding Panels", sheets 1 through 8 of 8, dated 06/08/10, 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 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

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 consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

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

NOA No 10-0322.18

Expiration Date: August 11, 2015

Approval Date: August 11, 2010



7/11/10

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **1636**, titled "SL-73 In-Swing Impact Folding Panels", sheets 1 through 8 of 8, dated 06/08/10, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. 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 (Standard sill)
 - 4) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
 - 5) Large Missile Impact Test per FBC, TAS 201-94
 - 6) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with installation diagram of aluminum inswing folding door, prepared by Architect Testing, Test Report No(s). 91081.01-301-18, dated 12/15/09, signed and sealed by Joshua M. Royce, P.E.

Note: This test report has an addendum letter issued by Architectural Testing, signed and sealed by Micael D. Stremmel, P.E.

C. CALCULATIONS

1. Anchor verification calculation dated March 16, 2010 and revised on June 08, 2010, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E
2. Complies with ASTM E1300-02 & -04

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

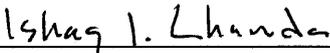
1. Notice of Acceptance No. **07-1116.04** issued to E.I. DuPont DeNemours for "SentryGlasPlus", expiring on 01/14/2012.
2. Test report No. 60520.01-106-18 dated 11/09/06, issued by Architectural Testing for " Tecatherm **66 GF** (insul bar material) for Xenon Arch weathering per ASTM G-55, tensile properties per ASTM D-638, smoke density per ASTM D-2843, rate of burning per ASTM D-635 and self ignition test per ASTM D-1929, signed and sealed by Joseph M. Brickner and Todd D. Burroughs.

F. STATEMENTS

1. Statement letter of conformance and "No financial interest", both dated 08/03/10, signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of lab compliance, part of above test reports.

G. OTHER

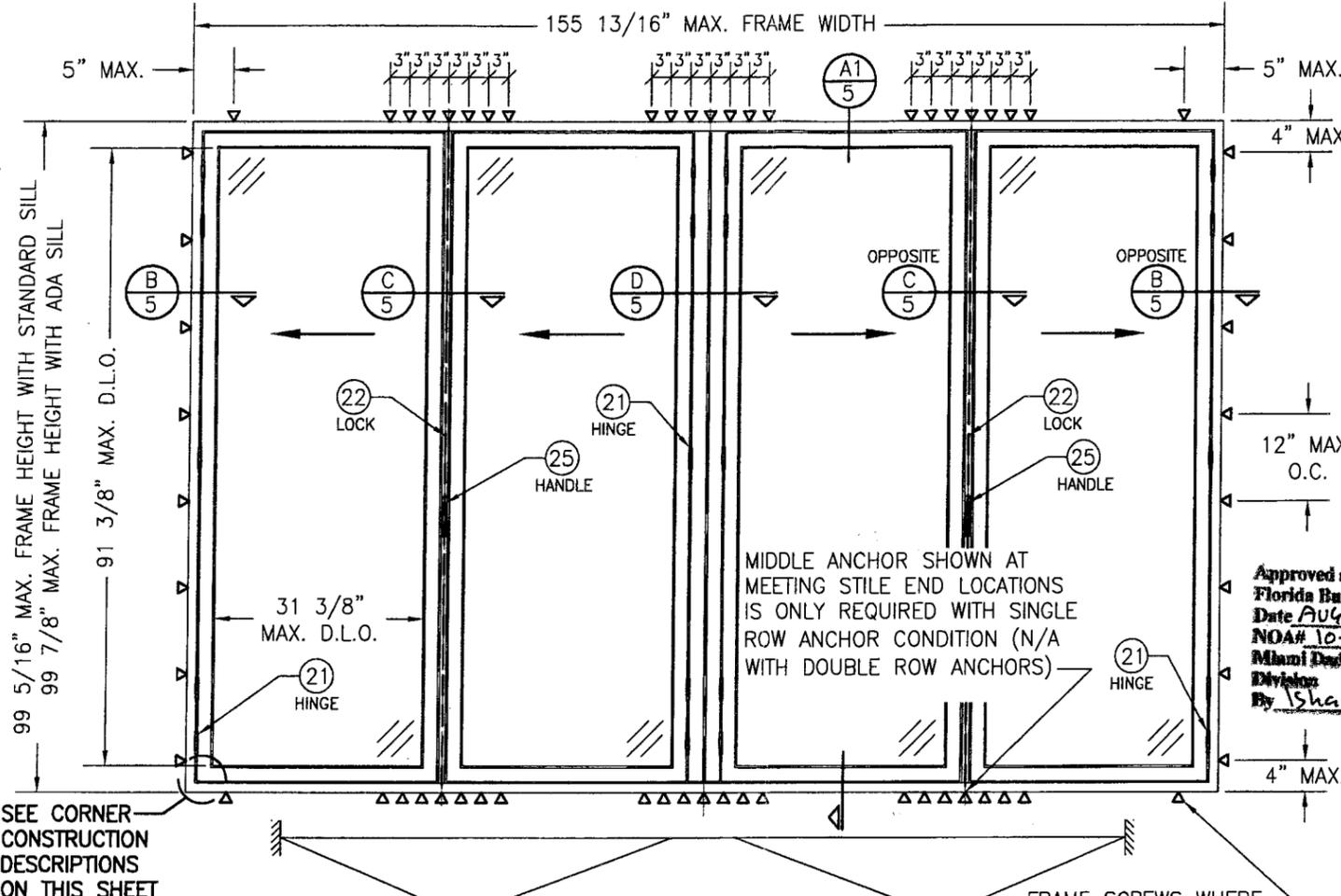
1. Test proposal # **09-0569**, dated May 27, 2009, approved by BCCO.
2. Technical cut sheets for Tremco gaskets.
3. Distribution agreement between Solarlux Nana Mfg. LLC, Richmond, CA and Nana Wall System Mill Valley, CA.
4. Distribution agreement between Solarlux Nana Mfg. LLC, Bissendorf, Germany and Nana Wall System Mill Valley, CA.



Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 10-0322.18
Expiration Date: August 11, 2015
Approval Date: August 11, 2010

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.



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" FHTF SCREWS AT THE SILL & (2)TWO 1/8" X 5/8" FHTF 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.

(1) ALLOWABLE DESIGN PRESSURE WITH ADA SILL

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	82.5	82.5
	22 3/8	90.0	90.0
93 7/8	31 3/8	74.5	74.5
	28 3/8	80.6	80.6
	25 3/8	87.8	87.8
87 7/8	24 3/8	90.0	90.0
	31 3/8	79.6	79.6
	28 3/8	86.1	86.1
82 7/8	26 3/8	90.0	90.0
	31 3/8	84.4	84.4
28 3/8	90.0	90.0	

(1) 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.

Approved as complying with the Florida Building Code
Date Aug 11, 2010
NOA# 10-0322-18
Miami Dade Product Control Division
By Shagil Chand

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

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.

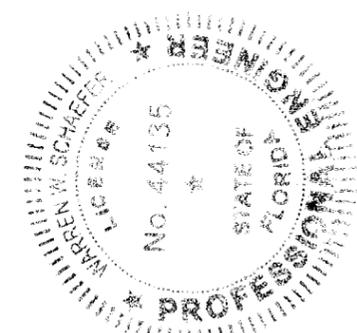
**INTERIOR ELEVATION:
(2 DIRECTION FOLDING PANELS)**

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

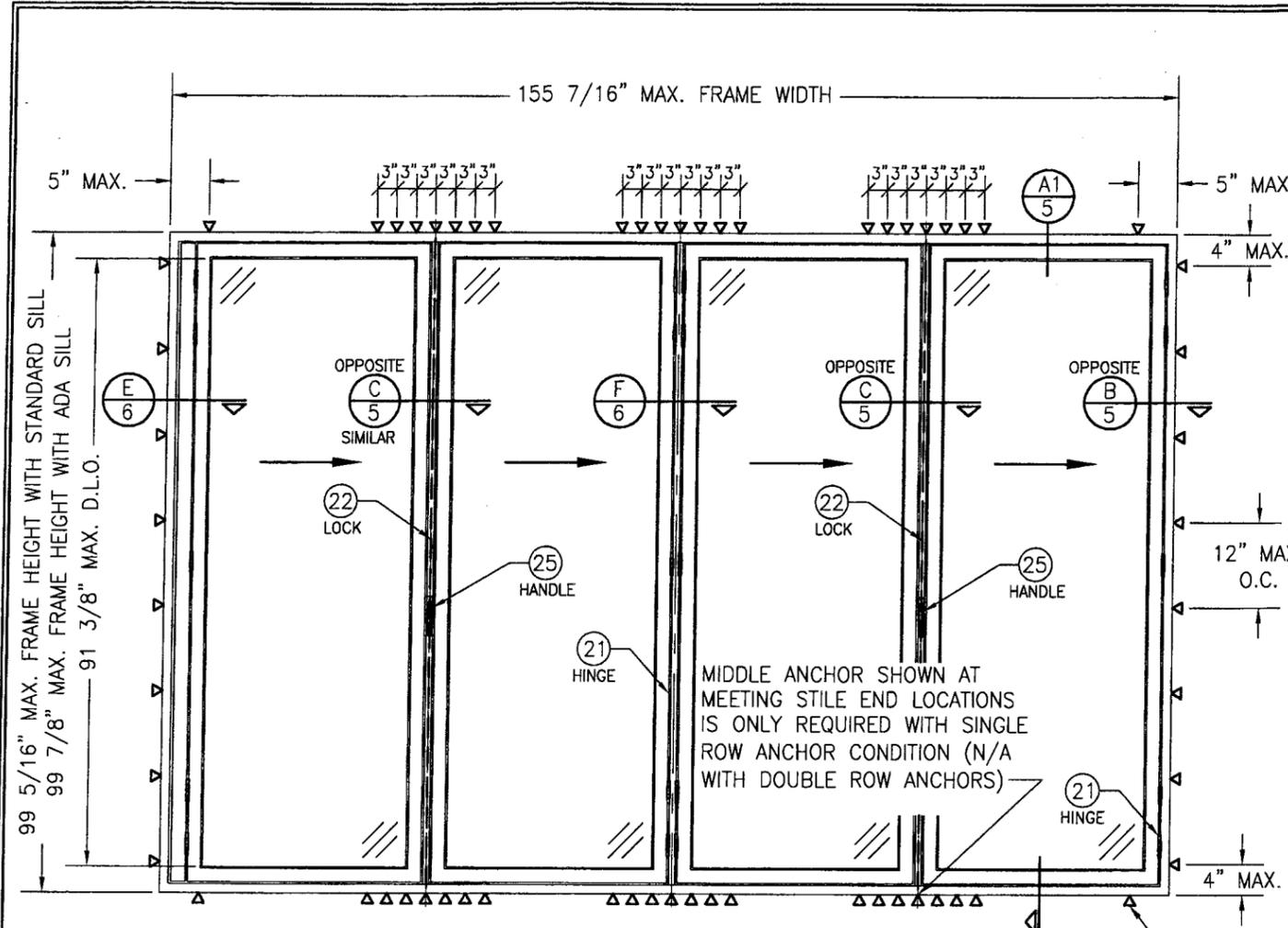
ALLOWABLE DESIGN PRESSURE WITH STANDARD SILL

MAX. FRAME HEIGHT (IN.)	MAX. D.L.O. WIDTH (IN.)	ALLOWABLE PRESSURE (PSF)							
		GLASS OPTION 1, 3 & 4		GLASS OPTION 2		GLASS OPTION 5		GLASS OPTION 6	
		POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.
99 5/16	31 3/8	70.0	100.0	70.0	87.4	70.0	94.3	70.0	99.8
	28 3/8	75.8	108.2	75.8	105.0	75.8	108.2	75.8	108.2
	25 3/8	80.0	110.0	80.0	110.0	80.0	110.0	80.0	110.0
	22 3/8	80.0	110.0	80.0	110.0	80.0	110.0	80.0	110.0
93 5/16	31 3/8	74.5	106.4	74.5	92.9	74.5	100.0	74.5	106.0
	28 3/8	80.0	110.0	80.0	107.0	80.0	110.0	80.0	110.0
	25 3/8	80.0	110.0	80.0	110.0	80.0	110.0	80.0	110.0
87 5/16	31 3/8	79.6	110.0	79.6	97.5	79.6	105.0	79.6	110.0
	28 3/8	80.0	110.0	80.0	110.0	80.0	110.0	80.0	110.0
82 5/16	31 3/8	80.0	110.0	80.0	102.0	80.0	110.0	80.0	110.0
	28 3/8	80.0	110.0	80.0	110.0	80.0	110.0	80.0	110.0

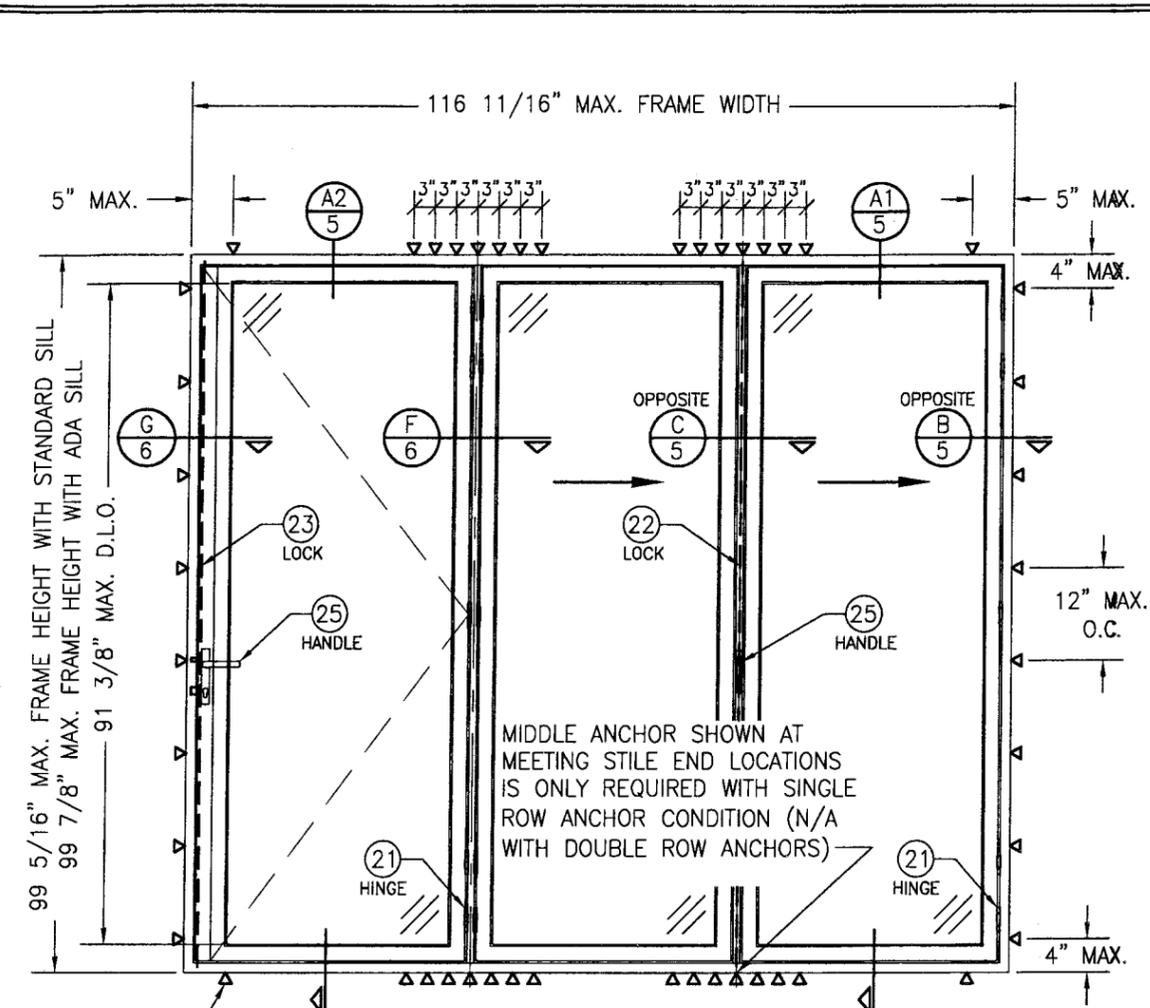
SEE SHEET 7 FOR GLASS OPTIONS



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 IN-SWING IMPACT FOLDING PANELS	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	MANUFACTURER NANA WALL SYSTEMS, INC 707 REDWOOD HIGHWAY MILL VALLEY, CA 94941 800-873-5673
CERTIFICATION JUN 08 2010	
DRAWING NO. 1636	REV.
SHEET NO. 1	OF 8



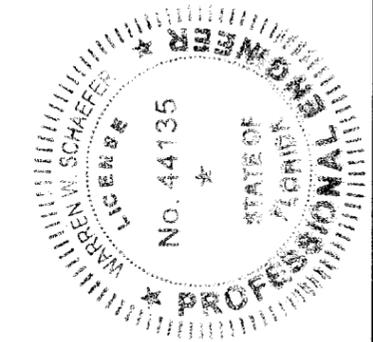
INTERIOR ELEVATION:
(1 DIRECTION FOLDING PANELS)
 SCALE: 1/2" = 1'-0"



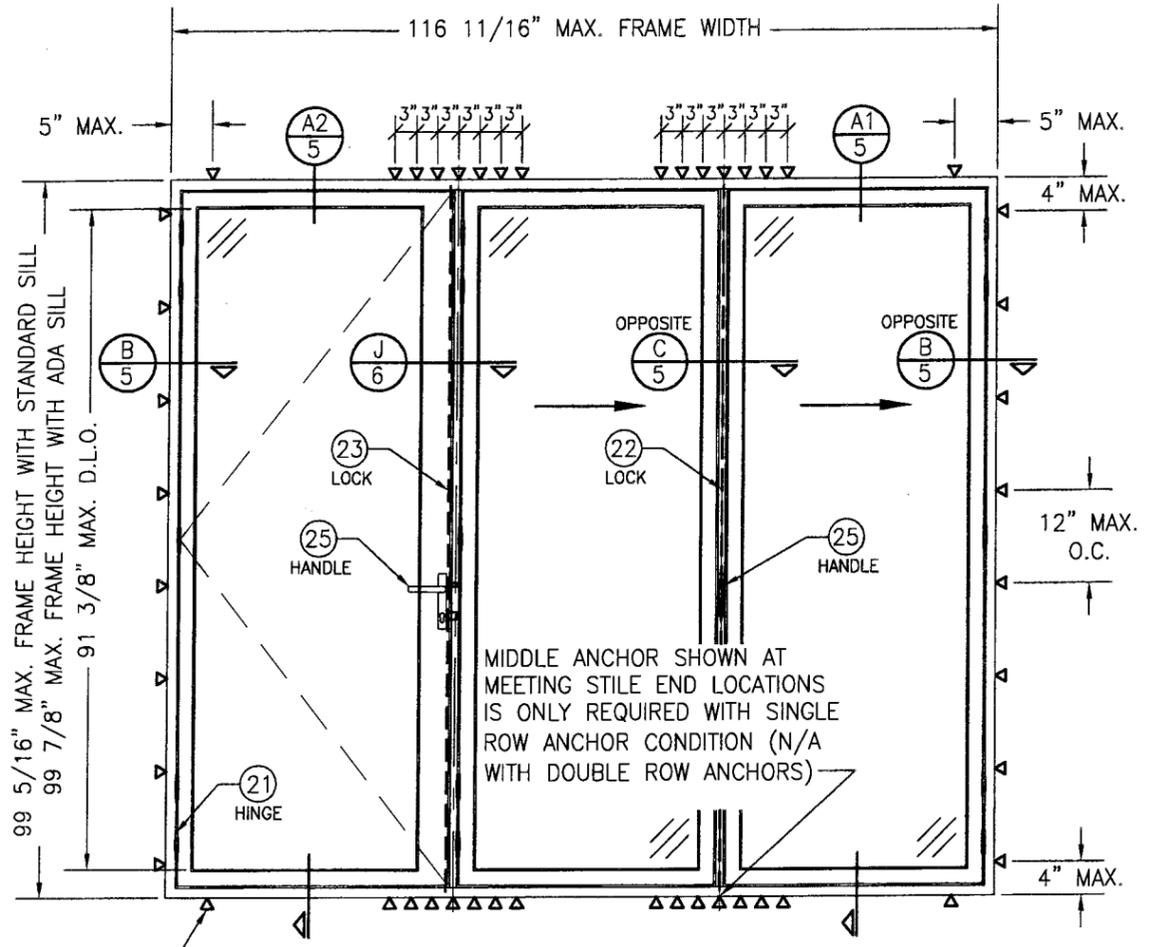
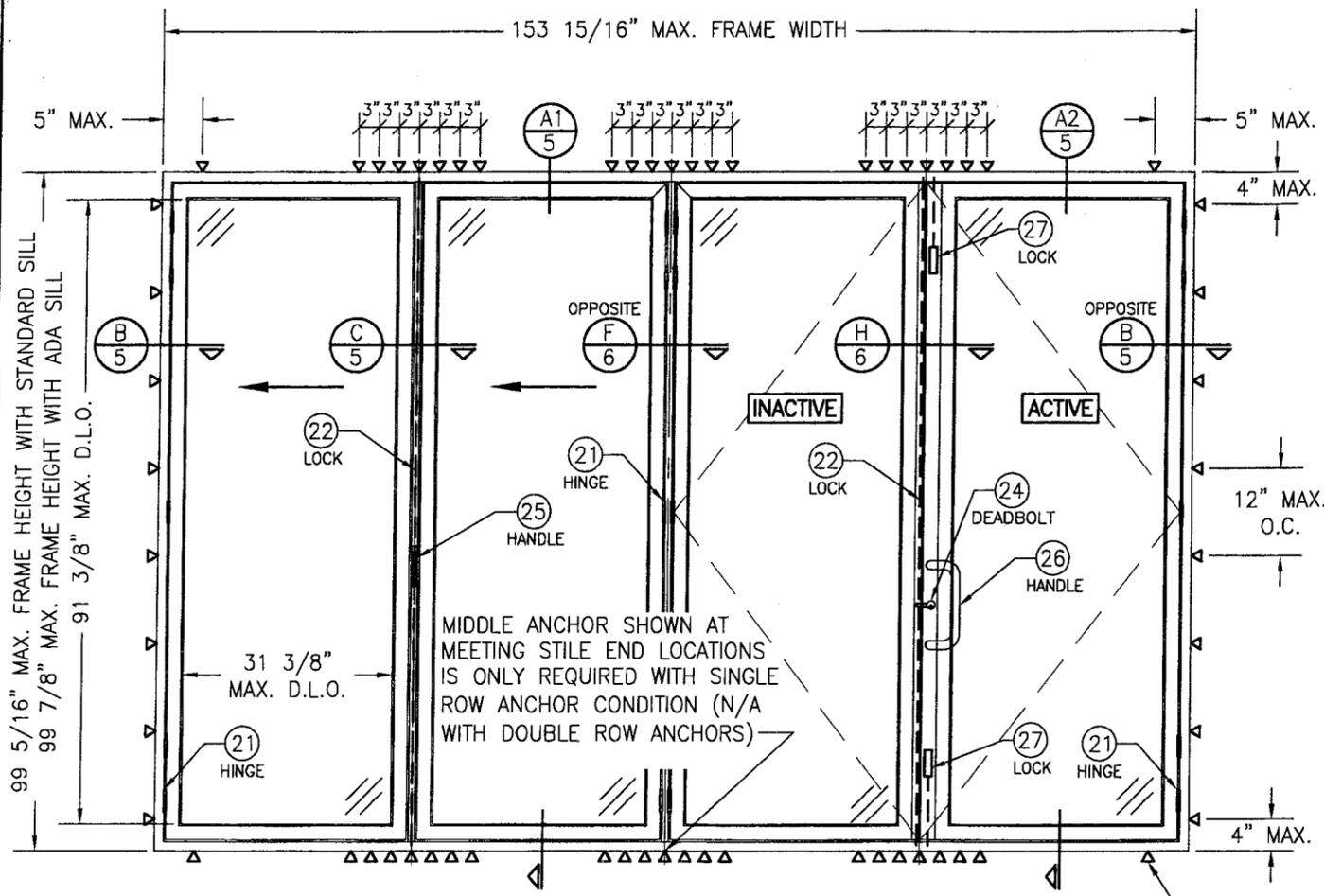
INTERIOR ELEVATION:
(1 DIRECTION FOLDING PANELS WITH SWING PANEL LOCKING TO JAMB)
 SCALE: 1/2" = 1'-0"
 (ACTIVE SWING DOOR SHOWN WITH MULTI-POINT LOCK. DEADBOLT/FLUSH BOLT LOCK COMBINATION ALSO APPLIES)

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

Approved as complying with the Florida Building Code
 Date Aug 11, 2010
 NOAH# 10-0322-18
 Miami Dade Product Control
 Division
 By Shag I. Chan



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 IN-SWING IMPACT FOLDING PANELS			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: NANA WALL SYSTEMS, INC	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		707 REDWOOD HIGHWAY MILL VALLEY, CA 94941 800-873-5673	
CERTIFICATION: JUN 08 2010			
DRAWING NO. 1636		REV.	
SHEET NO. 2		OF 8	

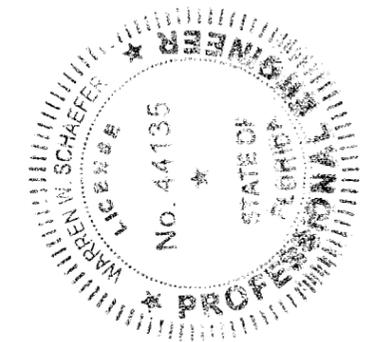


**INTERIOR ELEVATION:
(1 DIRECTION FOLDING PANELS WITH DOUBLE SWING
PANELS)**
SCALE: 1/2" = 1'-0"
(ACTIVE SWING DOOR SHOWN WITH DEADBOLT/FLUSH BOLT LOCK
COMBINATION. MULTI-POINT LOCK ALSO APPLIES)

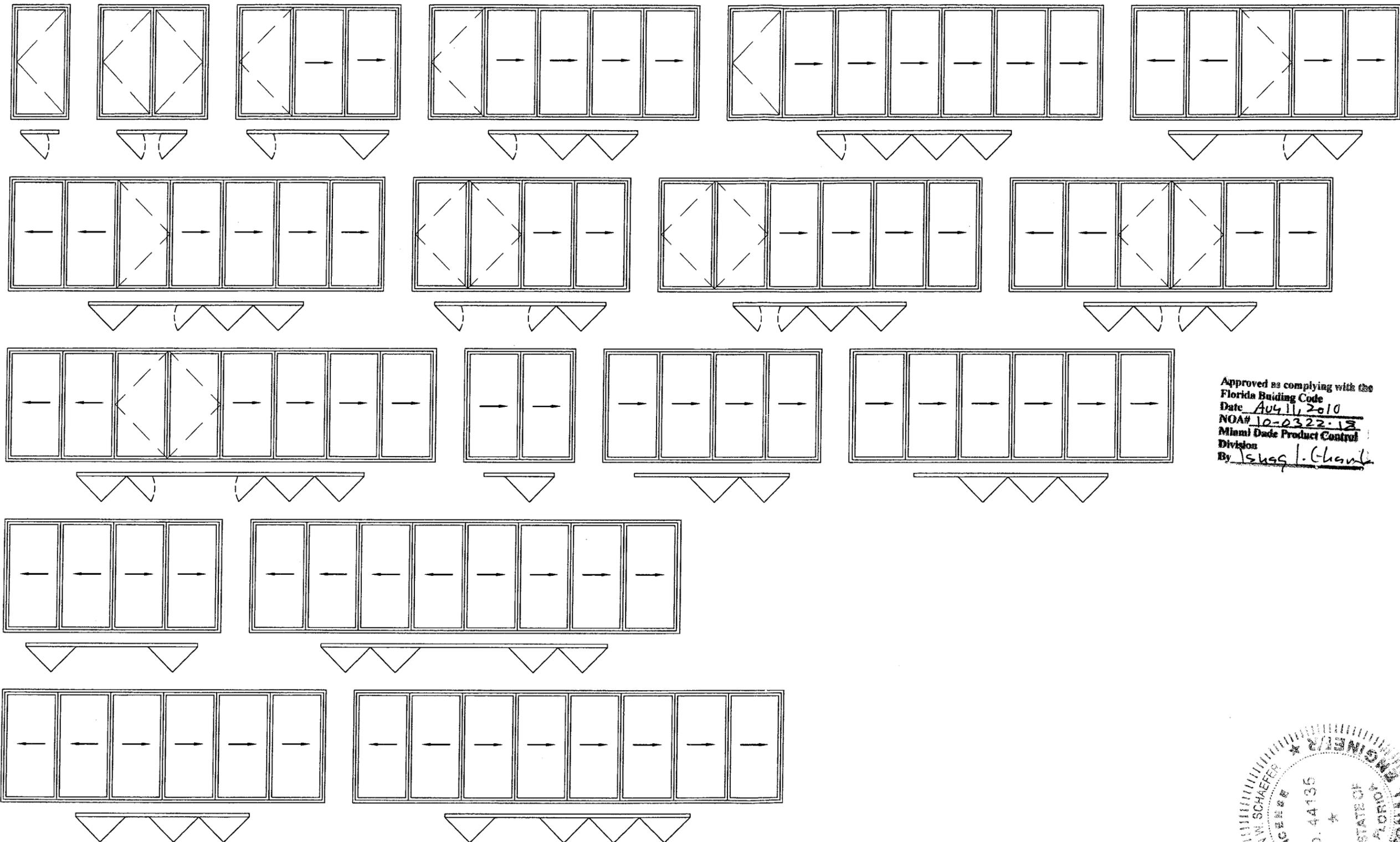
FRAME SCREWS WHERE
SHOWN. SEE "FRAME
ANCHOR REQUIREMENTS
TABLE" ON SHEET 1 FOR
REQUIREMENTS
(APPLICABLE TO SINGLE
OR DOUBLE ROW OF
SCREWS).

**INTERIOR 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)

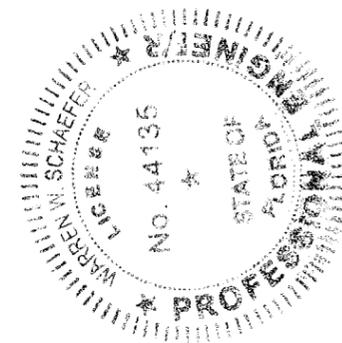
Approved as complying with the
Florida Building Code
Date April 1, 2010
NOA# 10-0322-19
Miami Dade Product Control
Division
By Ishag I. Chande



DRAWING BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 11/23/09	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE SL-73 IN-SWING IMPACT FOLDING PANELS			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.			
MANUFACTURER NANA WALL SYSTEMS, INC			
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903			
707 REDWOOD HIGHWAY MILL VALLEY, CA 94941 800-873-5673			
CERTIFICATION JUN 08 2010			
WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO.	REV.		
1636			
SHEET NO.			
3	OF	8	



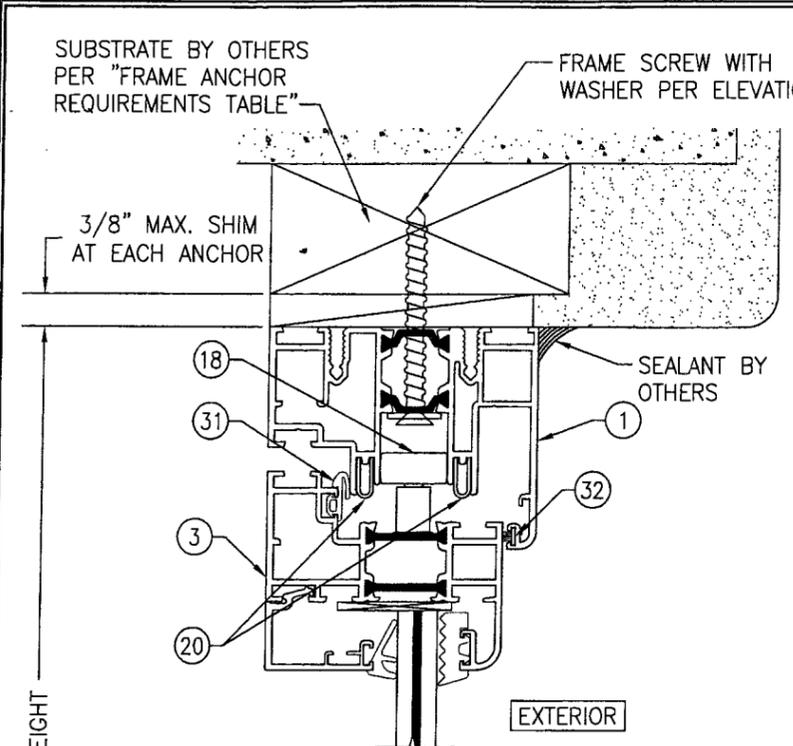
Approved as complying with the
 Florida Building Code
 Date Aug 11, 2010
 NOA# 10-0322-18
 Miami Dade Product Control
 Division
 By Isaac I. Chant



CONDITIONS SHOWN ARE THE MAJORITY OF THOSE USED. OTHER CONDITIONS OF FOLDING & SWING PANELS APPLY PROVIDING THEY ARE WITHIN THE SCOPE OF THE DETAILS WITHIN THIS DRAWING.

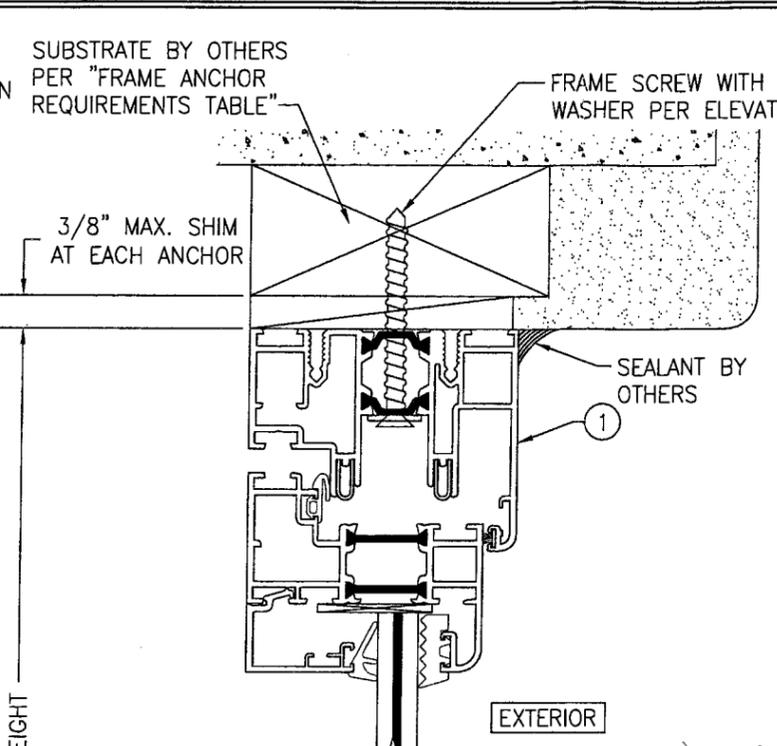
WHILE UP TO 8 PANELS IN ONE OPENING IS SHOWN, THERE IS NO LIMIT TO THE NUMBER OF PANELS IN ONE DOOR FRAME OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT THE LOADS TRANSFERRED FROM THE DOOR SYSTEM

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 11/23/09	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: SL-73 OUT-SWING IMPACT FOLDING PANELS			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: NANA WALL SYSTEMS, INC	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		707 REDWOOD HIGHWAY MILL VALLEY, CA 94941 800-873-5673	
CERTIFICATION: JUN 08 2010		DRAWING NO. 1635	
WARREN W. SCHAEFER, P.E. P.E. NO. 44135		REV.	
SHEET NO. 4		OF 8	



SECTION A1
SCALE: 1/2 FULL

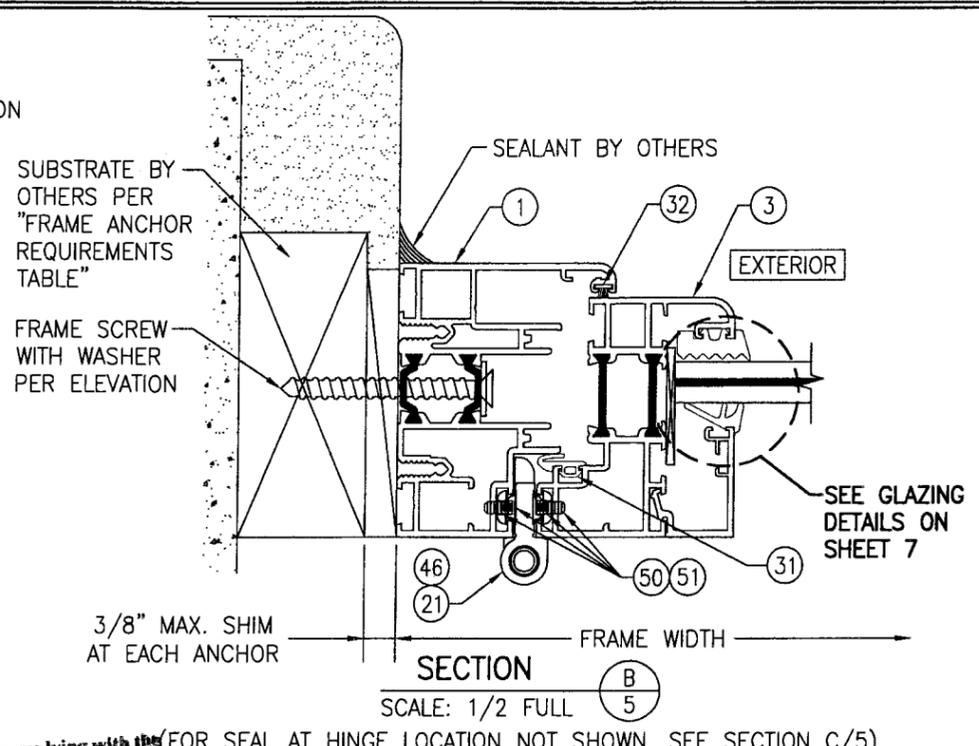
* STANDARD LOW PROFILE SILL RAIL CONDITION SHOWN. SEE "HIGH PROFILE SILL RAIL DETAIL" ON SHEET 6 FOR HIGH PROFILE SILL RAIL CONDITION
 * STANDARD SILL CONDITION SHOWN. SEE "FLUSH SADDLE SILL DETAIL" ON SHEET 7 FOR ADA SILL CONDITION



SECTION A2
SCALE: 1/2 FULL

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

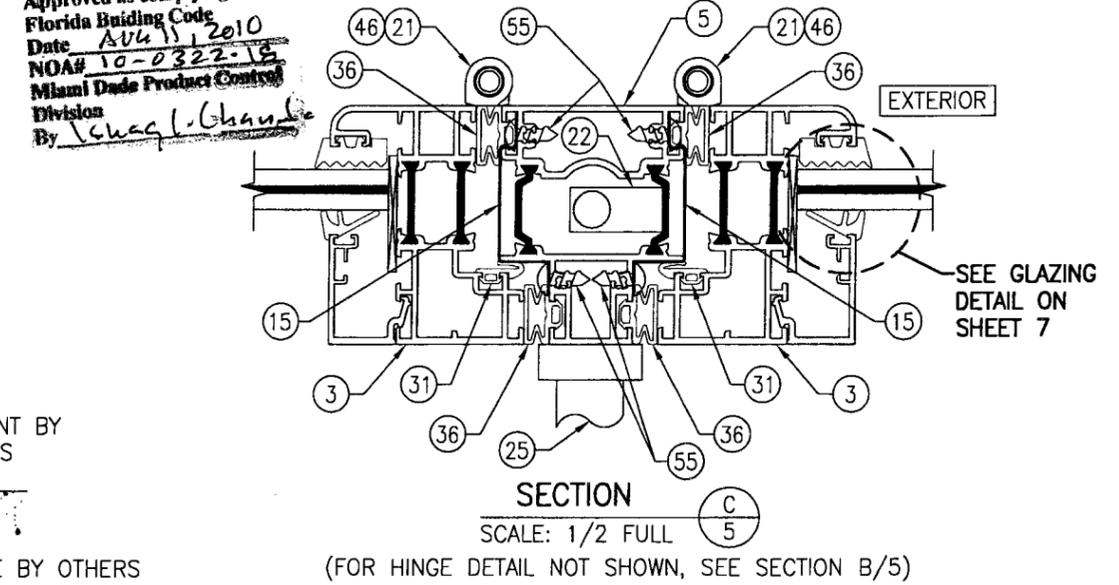
INSTALLATION CONDITION SHOWN IN THESE SECTIONS IS FOR A SINGLE ANCHOR ROW CONDITION. FOR THE DOUBLE ANCHOR ROW CONDITION, SEE "DOUBLE ANCHOR ROW DETAILS" ON SHEETS 6 & 7



SECTION B
SCALE: 1/2 FULL

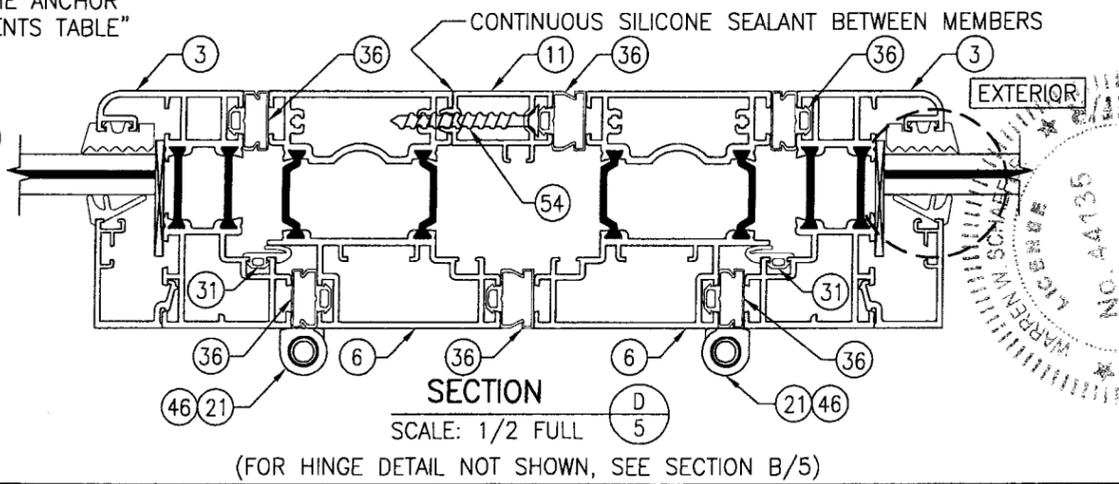
(FOR SEAL AT HINGE LOCATION NOT SHOWN, SEE SECTION C/5)

Approved as complying with the Florida Building Code
 Date April 11, 2010
 NOA# 10-0322-18
 Miami Dade Product Control Division
 By Isaac L. Ghand



SECTION C
SCALE: 1/2 FULL

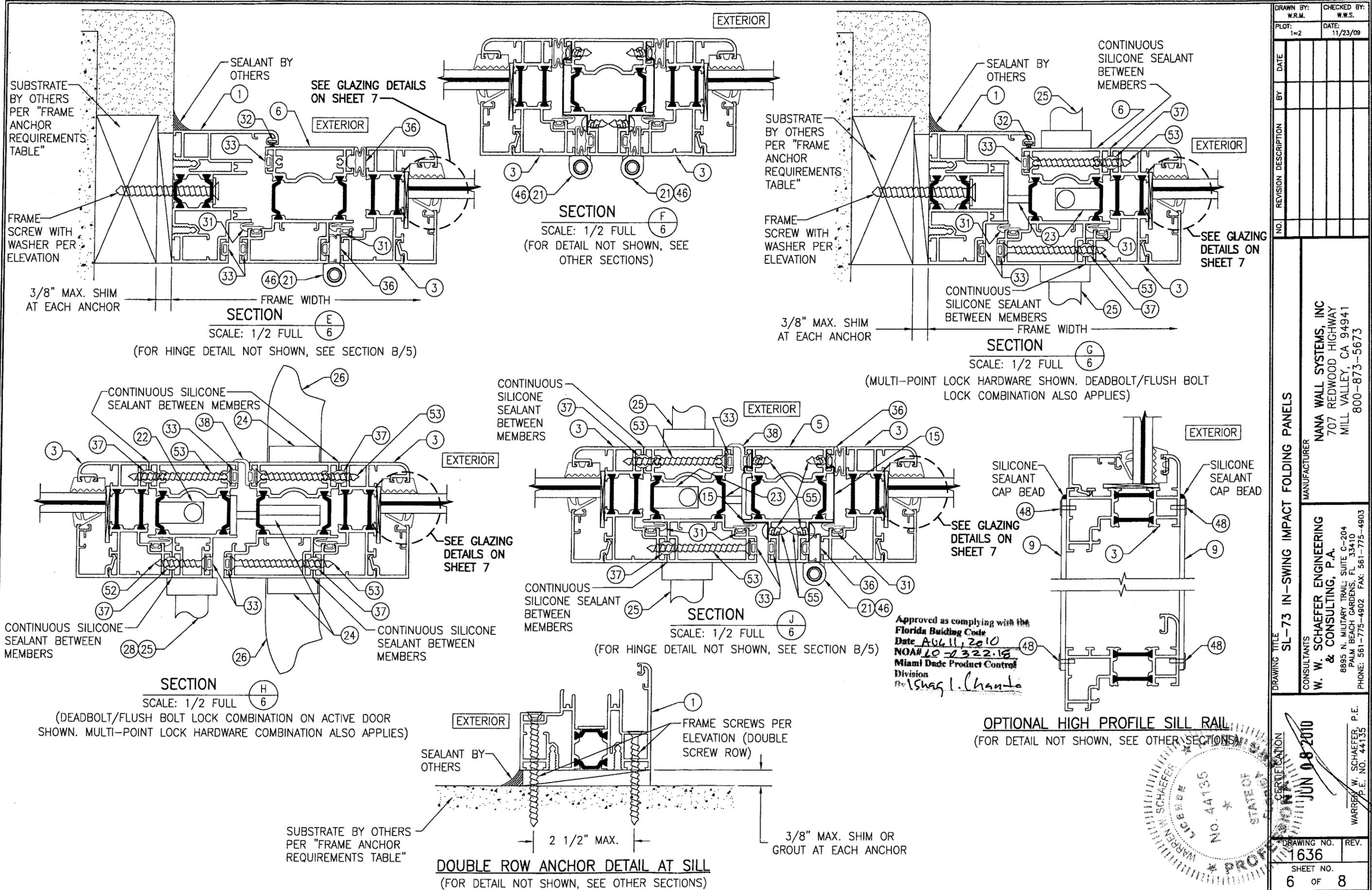
(FOR HINGE DETAIL NOT SHOWN, SEE SECTION B/5)



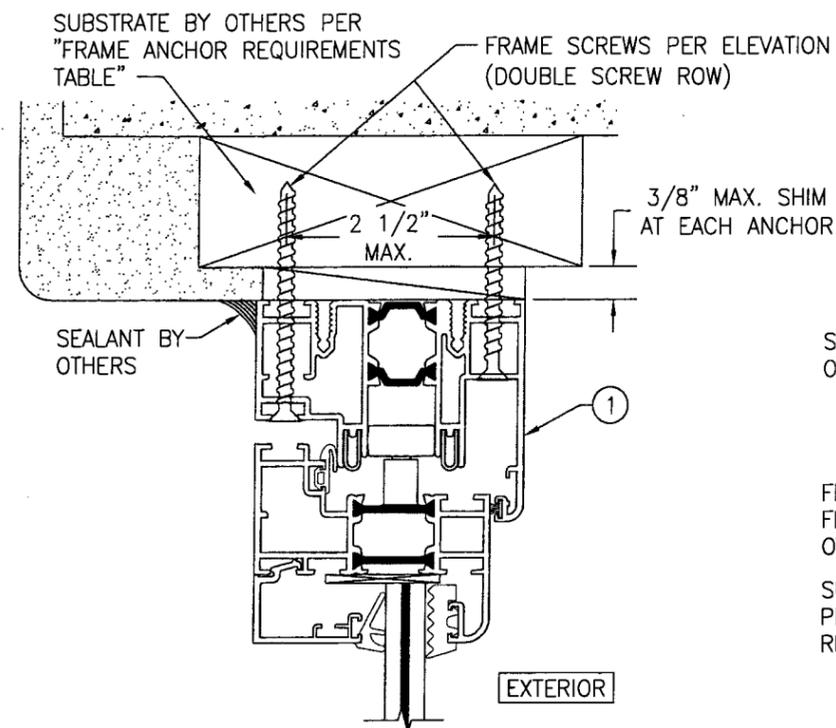
SECTION D
SCALE: 1/2 FULL

(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
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE SL-73 IN-SWING IMPACT FOLDING PANELS	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	MANUFACTURER NANA WALL SYSTEMS, INC
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	707 REDWOOD HIGHWAY MILL VALLEY, CA 94941 800-873-5673
CERTIFICATION JUN 08 2010 WARREN W. SCHAEFER PROFESSIONAL ENGINEER NO. AA135	
DRAWING NO. 1636	REV. 5
SHEET NO. 5	OF 8

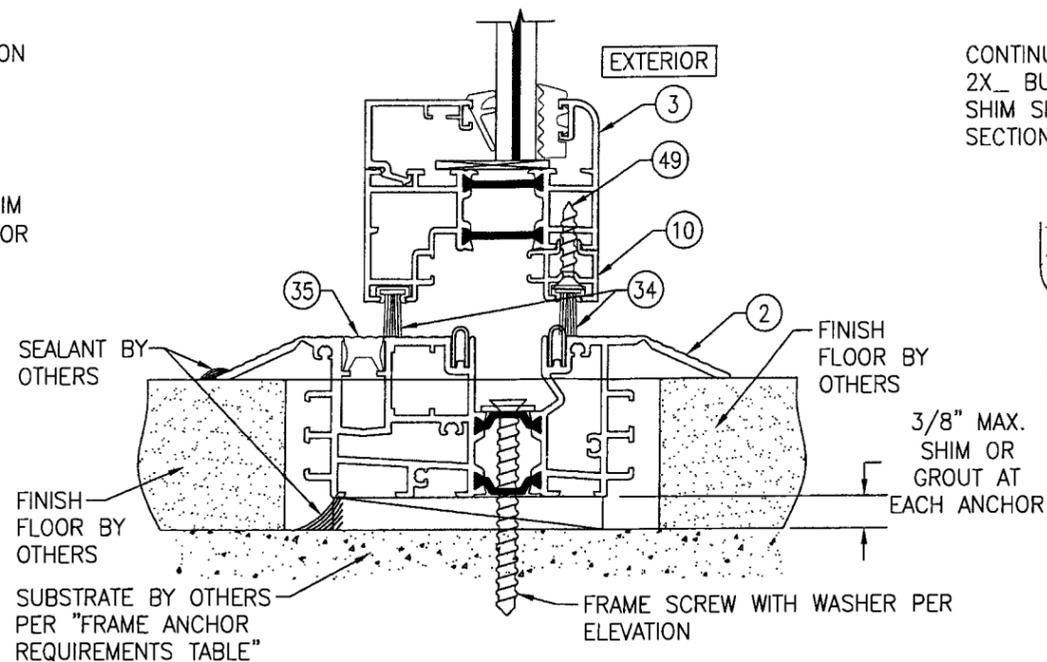


DRAWN BY:	W.R.M.	CHECKED BY:	W.W.S.
PLOT:	1=2	DATE:	11/23/09
DATE			
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MANUFACTURER NANA WALL SYSTEMS, INC 707 REDWOOD HIGHWAY MILL VALLEY, CA 94941 800-873-5673			
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CERTIFICATION JUN 08 2010 WARREN W. SCHAEFER, P.E. NO. 44155 STATE OF FLORIDA PROFESSIONAL ENGINEER			
DRAWING NO.	REV.		
1636			
SHEET NO.			
6 OF 8			



DOUBLE ROW ANCHOR DETAIL AT HEAD & SIDES

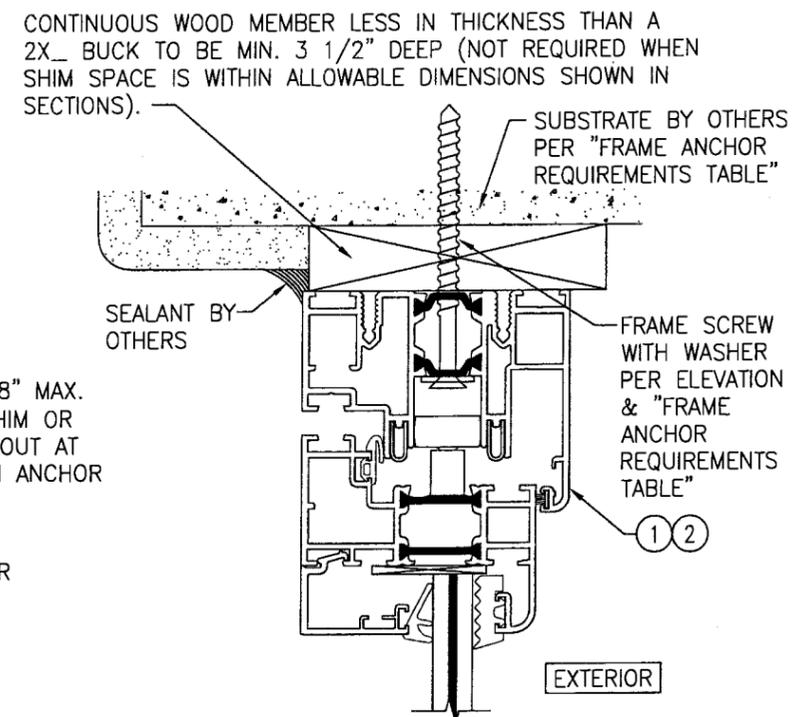
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)
(HEAD SECTION SHOWN. SIDES ARE INSTALLED THE SAME)



FLUSH SADDLE SILL DETAIL

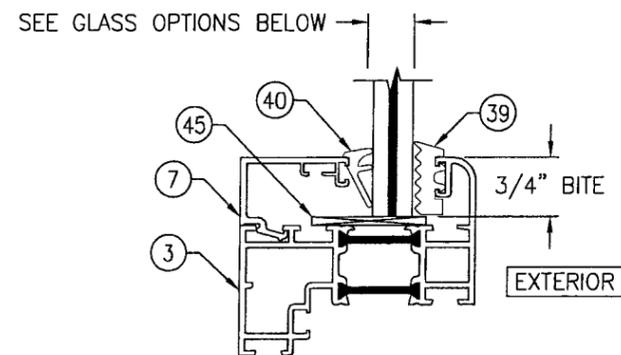
(SWING DOOR SHOWN. FOLDING PANELS ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)
(DOUBLE SCREW ROW DOES NOT APPLY TO THIS DETAIL)

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.



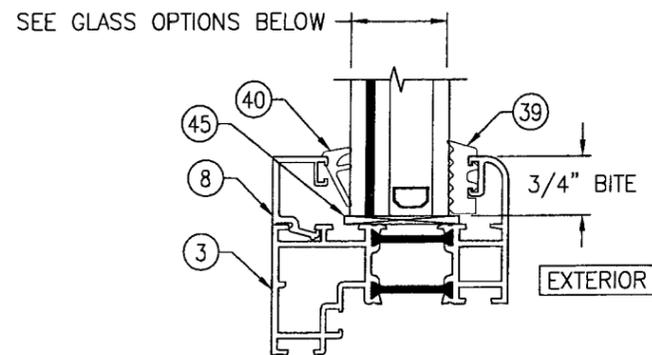
OPTIONAL DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER

(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**

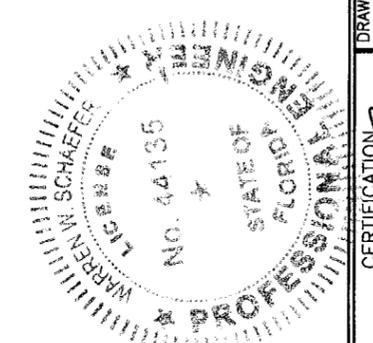
GLASS OPTION 1: 7/16" LAMINATED GLASS (3/16" H.S./0.09 DUPONT SGP/3/16" H.S.)
GLASS OPTION 2: 7/16" LAMINATED GLASS (3/16" AN./0.09 DUPONT SGP/3/16" AN.)



**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)

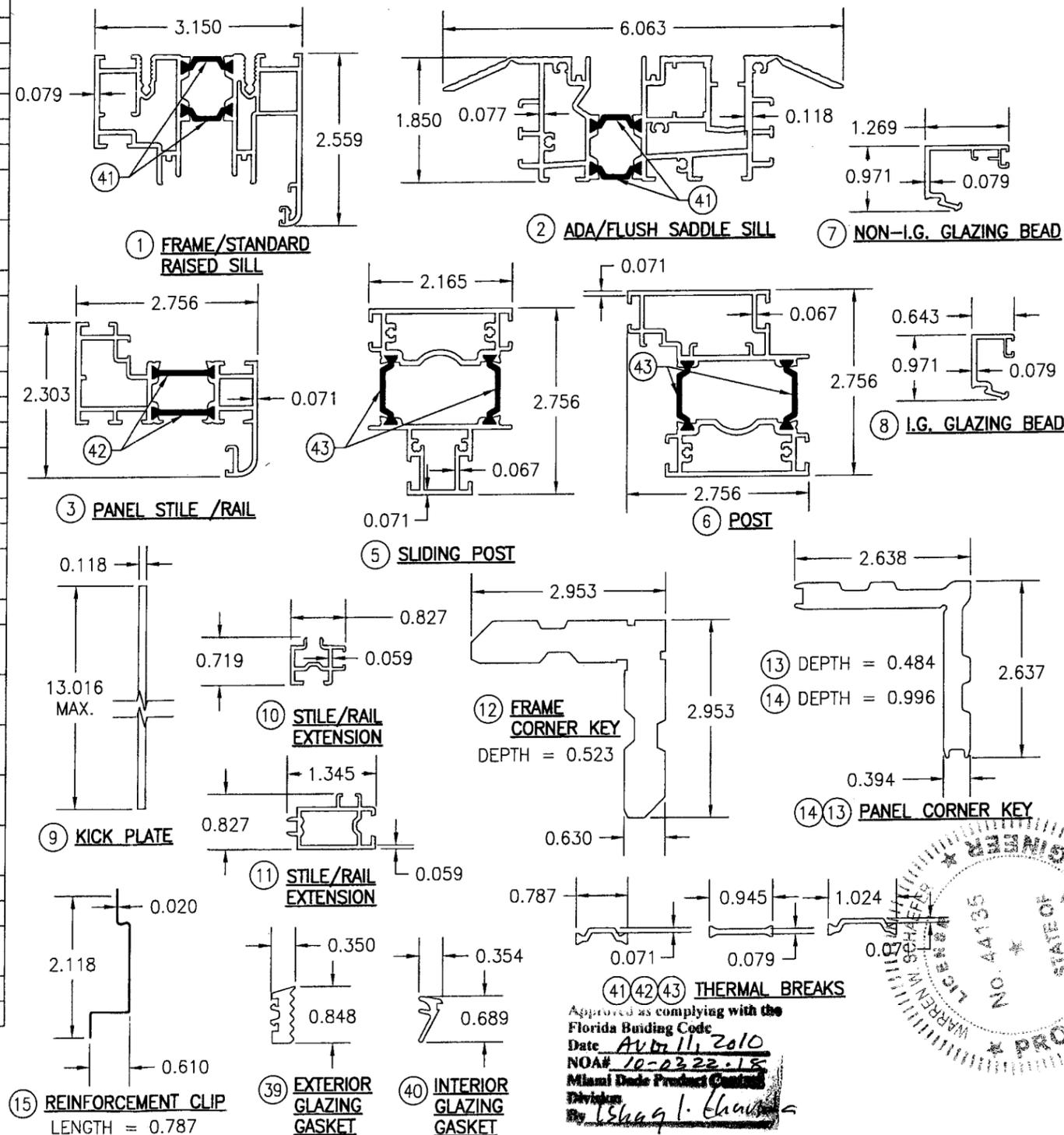
Approved as complying with the
Florida Building Code
Date Aug 11, 2010
NOA# 10-0322-13
Miami Dade Product Control
Division
By Chas L. Chanda



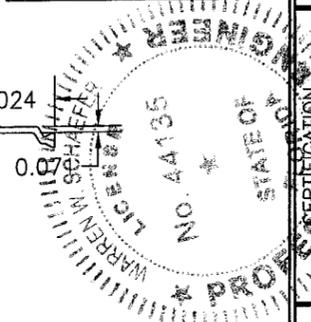
DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 11/23/09	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: SL-73 IN-SWING IMPACT FOLDING PANELS			
CONSULTANTS: NANA WALL SYSTEMS, INC 707 REDWOOD HIGHWAY MILL VALLEY, CA 94941 800-873-5673			
MANUFACTURER: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903			
DRAWING NO. 1636		REV.	
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	PILE SEAL	KULLEN GMBH 25-0-1065-171 POLYAMIDE
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 25-0-1005/6/7-155 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



Approved as complying with the Florida Building Code
 Date Apr 11, 2010
 NOA# 10-2322-18
 Miami Dade Product Control Division
 By Shawn I. G...



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PROFESSIONAL ENGINEER WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1636	REV.
SHEET NO. 8	OF 8