



MIAMI-DADE COUNTY
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)

Weather Shield Manufacturing Inc.
 One Weather Shield Plaza
 Medford, WI 54451

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 "1604" Outswing Alum Clad Wood Doors -LMI

APPROVAL DOCUMENT: Drawing No. **1568**, titled "1604 Aluminum Clad Outswing Impact Door", sheets 1 through 15 of 15, dated 04/30/09 and last revised on Jan 12, 2010, 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 Impact

Limitation:

1. Weather Shield Transom Windows under separate approval. Refer to sheets 6 and 7 of this drawings set, for max frame width, height and applicable design pressure.
2. Maximum O.C. spacing between hinges not to exceed 26".

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 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 09-0901.09

Expiration Date: March 10, 2015

Approval Date: March 10, 2010

Page 1



2/11/8/10

Weather Shield Manufacturing Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's parts drawings and sections.
2. Drawing No. **1568**, titled "1604 Aluminum Clad Outswing Impact Door", sheets 1 through 15 of 15, dated 04/30/09 and last revised on Jan 12, 2010, 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 Load Static Air Pressure Test, per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Force Entry Resistant, per FBC, 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 marked-up drawings and installation diagram of Wood sidelite/transom window, prepared by Stork Twin City Testing, Corp., Test Report s No(s) : **180-7762.1, .2, .3, .4 & .5**, dated 06/10/09, all signed and sealed by Thomas A. Kolden, P.E.

C. CALCULATIONS

1. Anchor verification calculations dated 08-25-09 and last revised on Jan 12, 2010, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.
2. Glazing complies with ASTM E-1300-02 & 2004

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their "**Saflex III G Clear or colored interlayer**", expiring on 05/21/11.
2. Notice of Acceptance No. **08-0814.08** issued to Weyerhaeuser. for their "**Microllam Laminated Veneer Lumber (LVL)**", expiring on 10/24/11.

F. STATEMENTS

1. Statement letter of conformance & "No financial interest, dated 08-25-09, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.
2. Lab compliance statements as a part of the above test reports.
3. Addendum letter dated Jan 19, 2010, issued by Stork Twin City, signed & sealed by Tom Kolden, P.E.

G. OTHER

1. Test proposal # **07-3820** dated 12/12/07, approved by BCCO.
2. Addendum letter by Stork Twin City Testing.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 09-0901.09
Expiration Date: March 10, 2015
Approval Date: March 10, 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.
11. ALL WOOD MEMBERS OF DOORS THAT MAY POSSIBLY COME INTO CONTACT WITH MASONRY OR CONCRETE SUBSTRATES, ARE SUBJECT TO MOISTURE &/OR ARE SUBJECT TO THE OUTSIDE ENVIRONMENT SHALL BE OF AN APPROVED DURABLE SPECIES OR BE TREATED IN AN APPROVED METHOD WITH AN APPROVED PRESERVATIVE PER FBC SECTION 2326.

CORNER CONSTRUCTION:

RECTANGULAR & EYEBROW FRAME TOP CORNERS: MEMBERS ARE RABBETED, BUTTED & SECURED WITH (3)THREE NO. 8 X 2 1/2" WOOD SCREWS THROUGH THE VERTICAL MEMBER INTO THE HORIZONTAL MEMBER. CORNERS ARE SEALED WITH SILICONE SEALANT.

ROUND TOP FRAME TOP CORNERS: MEMBERS ARE RABBETED, BUTTED, GLUED & SECURED WITH (2)TWO 5.500" X 1.500 X .040" GALVANIZED PLATES THAT RUN ACROSS THE STILE & RAIL INTERSECTION. THE GALVANIZED PLATES ARE SECURED TO THE STILE & RAIL WITH (12)TWELVE NO. 6 X 5/8" PFH SS SCREWS PER PLATE. CORNERS ARE SEALED WITH GLUE.

BOTTOM FRAME CORNERS: MEMBERS ARE RABBETED, BUTTED & SECURED WITH (4)FOUR NO. 8 X 2 1/2" WOOD SCREWS THROUGH THE VERTICAL MEMBER INTO THE HORIZONTAL MEMBER. CORNERS ARE SEALED WITH SILICONE SEALANT.

RECTANGULAR & EYEBROW PANEL TOP CORNERS: MEMBERS ARE BUTTED TOGETHER, JOINED WITH (2)TWO 3/4" X 3" WOOD DOWELS PER CORNER & (1)ONE NO. 8 X 2 1/2" WOOD SCREW THROUGH THE HORIZONTAL MEMBER INTO THE VERTICAL MEMBER. CORNERS ARE SEALED WITH WOOD GLUE THAT SECURES THE DOWELS.

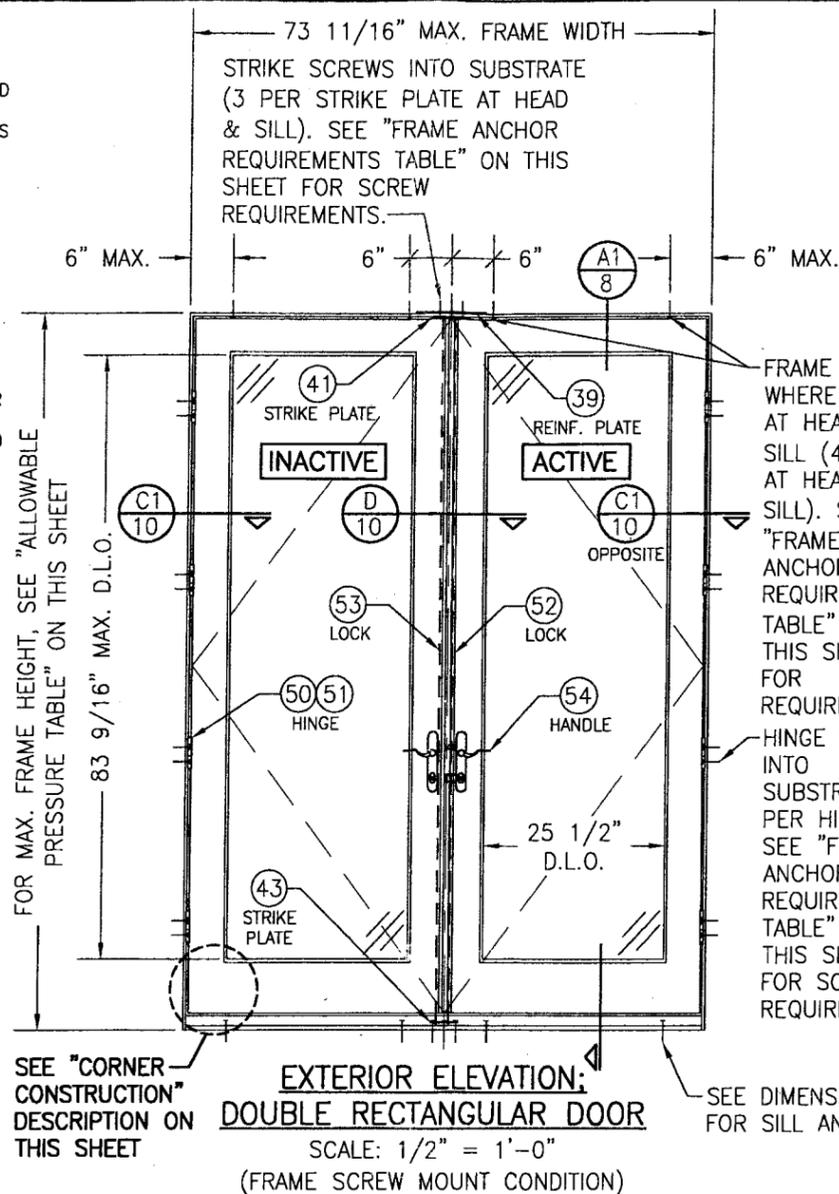
ROUND TOP PANEL TOP CORNERS: MEMBERS ARE BUTTED TOGETHER, JOINED WITH (4)FOUR 3/4" X 3" WOOD DOWELS PER SPRINGLINE. CORNERS ARE SEALED WITH WOOD GLUE THAT SECURES THE DOWELS.

PANEL BOTTOM CORNERS: MEMBERS ARE BUTTED TOGETHER, JOINED WITH (3)THREE 3/4" X 3" WOOD DOWELS PER CORNER & (1)ONE NO. 8 X 2 1/2" WOOD SCREW THROUGH THE HORIZONTAL MEMBER INTO THE VERTICAL MEMBER. CORNERS ARE SEALED WITH WOOD GLUE THAT SECURES THE DOWELS.

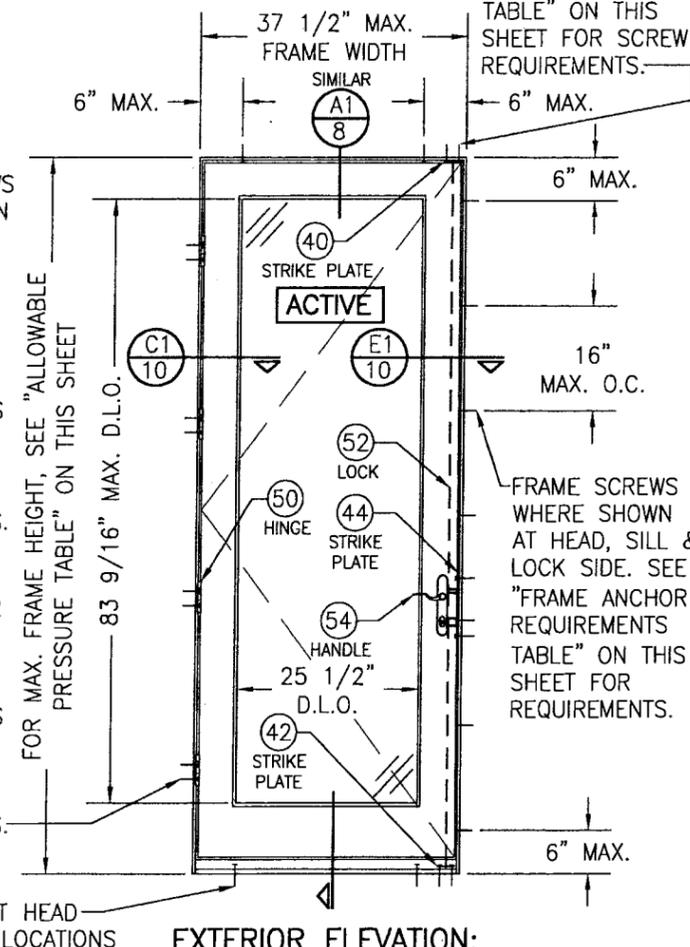
RECTANGULAR & EYEBROW FRAME CLADDING CORNERS: CLADDING IS MITERED TOGETHER & JOINED WITH (1)ONE NO. 6 X 1 1/4" PFH SS SCREW PER CORNER. CORNERS ARE SEALED WITH SILICONE SEALANT.

ROUND TOP FRAME CLADDING CORNERS: CONTINUOUS CLADDING IS SECURED TO THE FRAME.

PANEL CLADDING: CLADDING IS SQUARE CUT & SECURED TO THE SASH. CORNERS ARE SEALED WITH SILICONE SEALANT.



**EXTERIOR ELEVATION:
DOUBLE RECTANGULAR DOOR**
SCALE: 1/2" = 1'-0"
(FRAME SCREW MOUNT CONDITION)



**EXTERIOR ELEVATION:
SINGLE RECTANGULAR DOOR**
SCALE: 1/2" = 1'-0"
(FRAME SCREW MOUNT CONDITION)

FRAME ANCHOR REQUIREMENTS TABLE

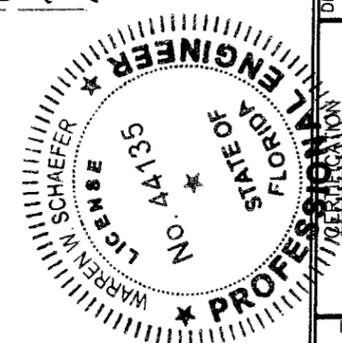
OPENING TYPE (SUBSTRATE)	FRAME/HINGE/STRIKE/NAIL FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
FRAME/HINGE/STRIKE SCREWS			
(3) MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"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

- (1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS, ITW RAMSET/RED HEAD TAPCONS OR HILTI KWIK-CON II (HARDENED STEEL OR S.S.).
- (2) CMU IS APPLICABLE AT SIDES ONLY (NOT APPLICABLE AT HEAD & SILL)
- (3) WOOD BUCKS MAY BE RIPPED DOWN TO 4 1/2" TO MEET JAMB DEPTH

ALLOWABLE DESIGN PRESSURE (SINGLE & DOUBLE OPERABLE DOORS)			
MAX. FRAME WIDTH (IN.)	MAX. FRAME HEIGHT (IN.)	ALLOWABLE PRESSURE	
		POSITIVE (PSF)	NEGATIVE (PSF)
DOUBLE DOOR			
73 11/16	99 1/8	65	75
73 11/16	82	65	85
SINGLE DOOR			
37 1/2	99 1/8	65	75
37 1/2	82	65	85

HINGE REQUIREMENTS
4 PER DOOR
(ALL DOOR CONDITIONS)

Approved as complying with the Florida Building Code
Date March 10, 2010
NOA# 09-0901.09
Miami Dade Product Control
Division
By Shay L. Chand



DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 04/30/09
DATE	BY
REVISION DESCRIPTION	NO.
MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
DRAWING TITLE 1604 ALUMINUM CLAD OUT-SWING IMPACT DOOR	
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	
DRAWING NO.	REV.
1568	
SHEET NO.	
1	OF 15

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=24	DATE: 04/30/09
DATE	
BY	
REVISION DESCRIPTION	
NO.	

1604 ALUMINUM CLAD OUT-SWING IMPACT DOOR

MANUFACTURER
WEATHER SHIELD WINDOWS & DOORS
 ONE WEATHER SHIELD PLAZA
 MEDFORD, WI 54451
 715-748-6555

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

DRAWING TITLE
 1604 ALUMINUM CLAD OUT-SWING IMPACT DOOR

DATE
JAN 12 2010

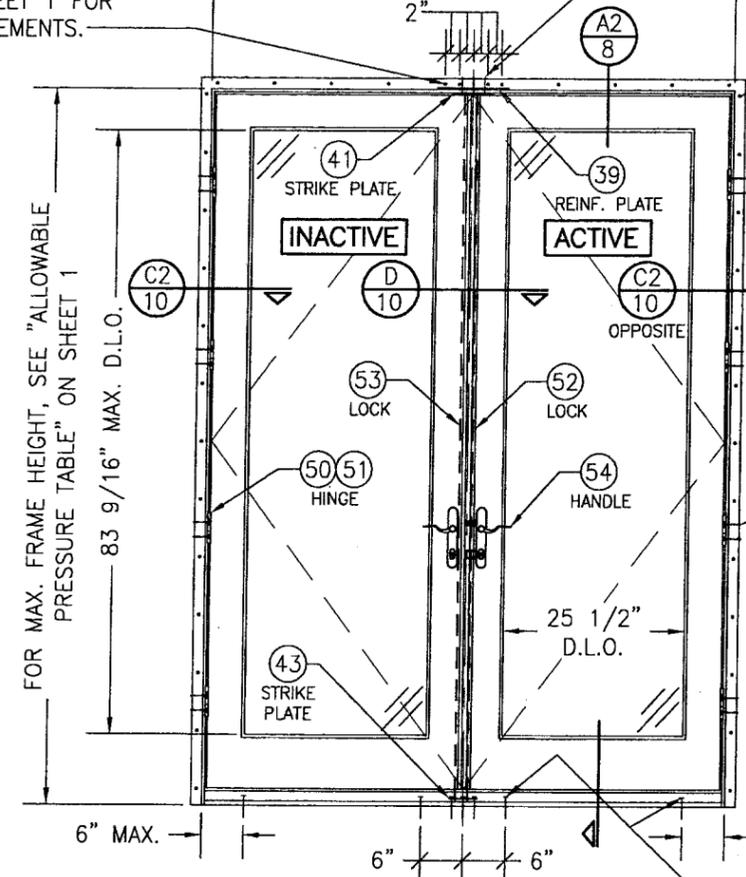
WARREN W. SCHAEFER, P.E.
 P.E. NO. 44135

DRAWING NO. 1568	REV.
SHEET NO. 2	OF 15

CLUSTER FIN ANCHORS AT MEETING STILE END LOCATION SUCH THAT THERE ARE A TOTAL OF 4 POSITIONED AS SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

73 11/16" MAX. FRAME WIDTH

STRIKE SCREWS INTO SUBSTRATE (3 PER STRIKE PLATE AT HEAD & SILL). SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR SCREW REQUIREMENTS.



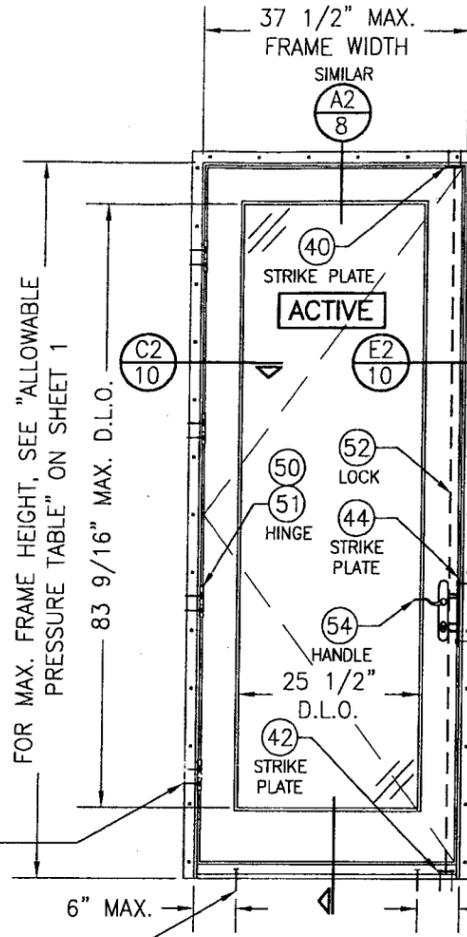
**EXTERIOR ELEVATION:
DOUBLE RECTANGULAR DOOR**
 SCALE: 1/2" = 1'-0"
 (NAIL FIN MOUNT CONDITION)

FIN FASTENER WITHIN 3" OF CORNERS & 8" MAX. O.C. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

HINGE SCREW INTO SUBSTRATE (2 PER HINGE). SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR SCREW REQUIREMENTS.

FRAME SCREWS WHERE SHOWN AT SILL. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

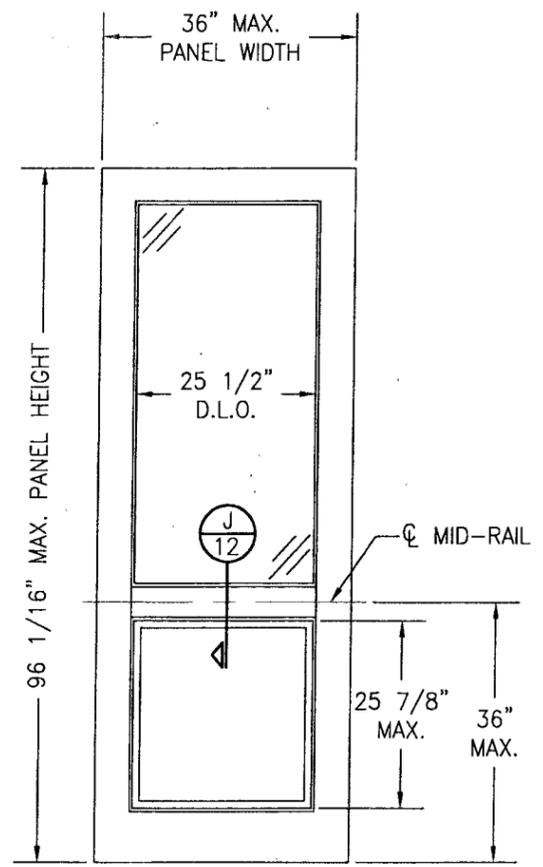
ALLOWABLE DESIGN PRESSURE
 SEE PRESSURE TABLE ON SHEET 1



**EXTERIOR ELEVATION:
SINGLE RECTANGULAR DOOR**
 SCALE: 1/2" = 1'-0"
 (NAIL FIN MOUNT CONDITION)

FIN FASTENER WITHIN 3" OF CORNERS & 8" MAX. O.C. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

STRIKE SCREWS INTO SUBSTRATE (2 PER HEAD, SILL & SIDE STRIKE PLATE). SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR SCREW REQUIREMENTS.



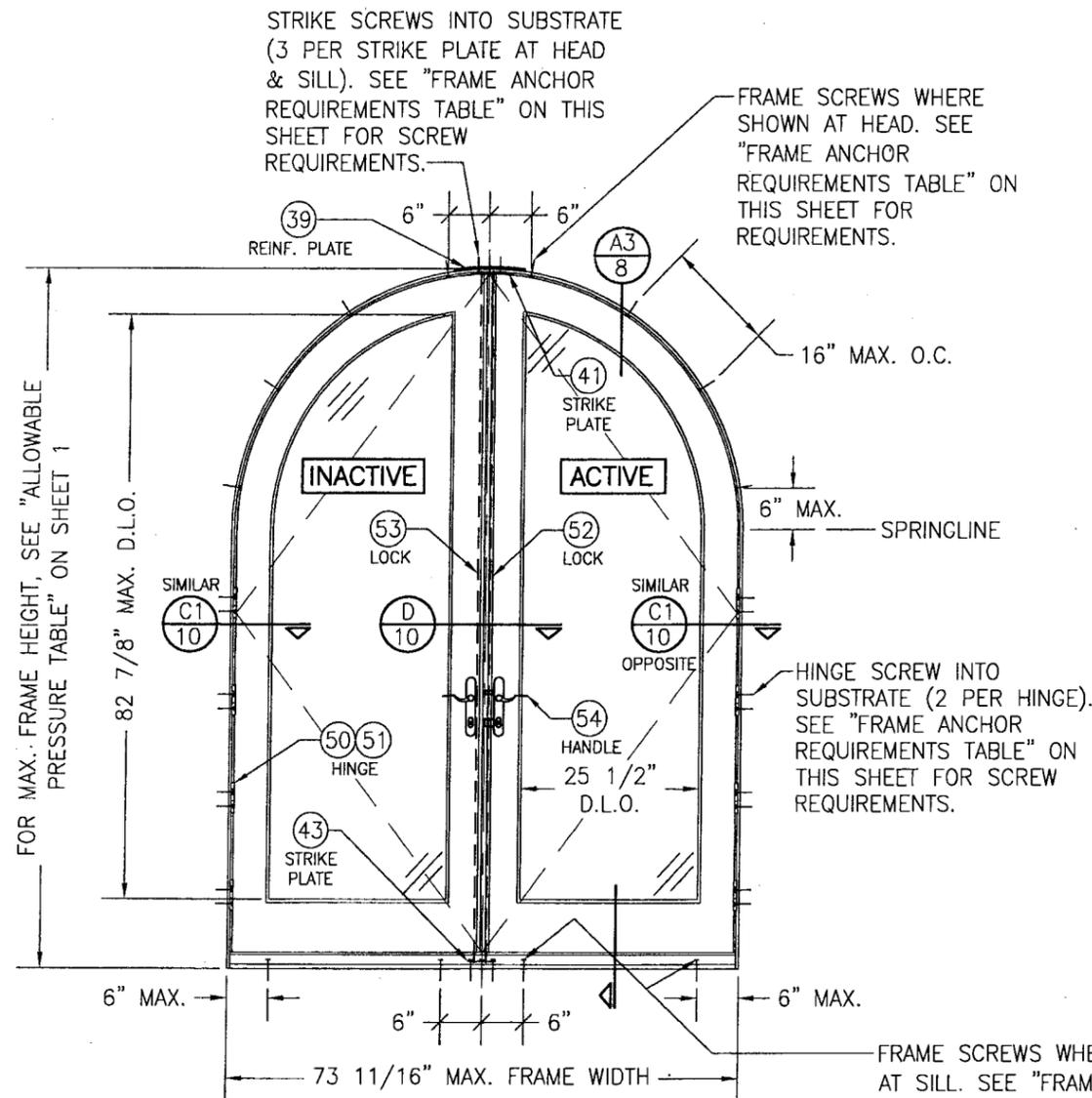
**EXTERIOR ELEVATION:
PARTIAL RAISED PANEL**
 SCALE: 1/2" = 1'-0"

PANEL NOTES

- 1) TOP & MID-RAILS MAY BE OF ANY CONFIGURATION PROVIDING THE SMALLEST CROSS SECTION OF RAILS IS EQUAL TO OR LARGER THAN THAT DETAILED IN DRAWINGS.
- 2) MULTIPLE MID-RAIL (BOTH HORIZONTAL & VERTICAL) MAY BE USED WITH THESE PANELS.
- 3) PANEL ONLY IS SHOWN. FOR INSTALLATION INTO FRAME, SEE OTHER ELEVATIONS.

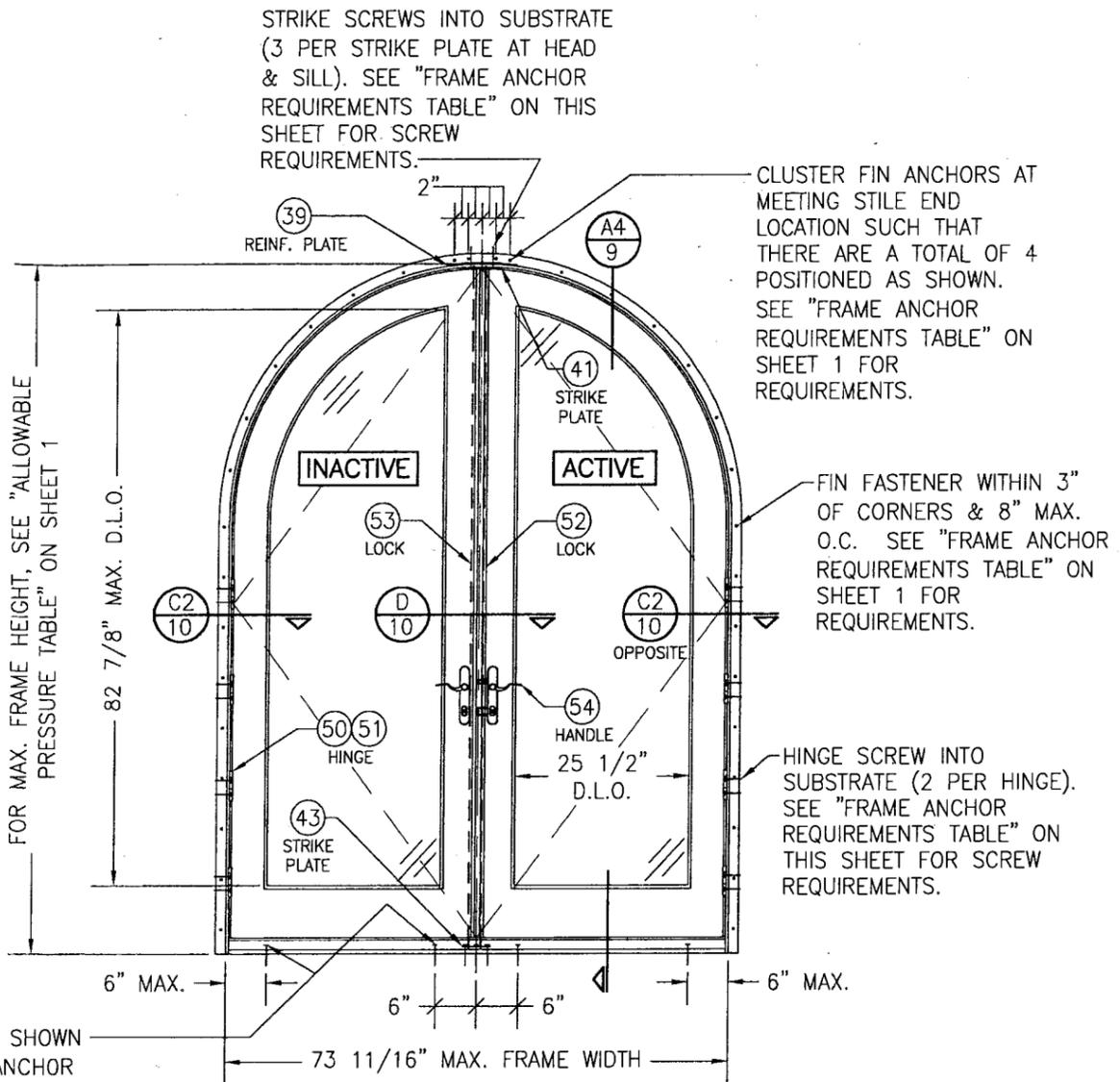
Approved as complying with the Florida Building Code
 Date March 10, 2010
 NOA# 09-0901.09
 Miami Dade Product Control
 Division
 By Warren W. Schaefer





**EXTERIOR ELEVATION:
DOUBLE HALF ROUND DOOR**

SCALE: 1/2" = 1'-0"
(FRAME SCREW MOUNT CONDITION)



**EXTERIOR ELEVATION:
DOUBLE HALF ROUND DOOR**

SCALE: 1/2" = 1'-0"
(NAIL FIN MOUNT CONDITION)

ALLOWABLE DESIGN PRESSURE
SEE PRESSURE TABLE ON SHEET 1

**APPROVED SHAPES
DOUBLE DOORS**

ANCHOR NOTE: RECTANGULAR & HALF ROUND DOORS SHALL BE ANCHORED PER ELEVATIONS. EYEBROW TOP DOORS SHALL HAVE ANCHORS AT THE HEAD EQUIVALENT TO THE HALF ROUND WHEN FRAME SCREW MOUNTED (SPACED 16" MAX. O.C. ALONG THE RADIUS).

**APPROVED SHAPES
SINGLE DOORS**

RECTANGULAR ONLY APPLIES

**APPROVED SHAPES
SINGLE FIXED PANEL DOORS**

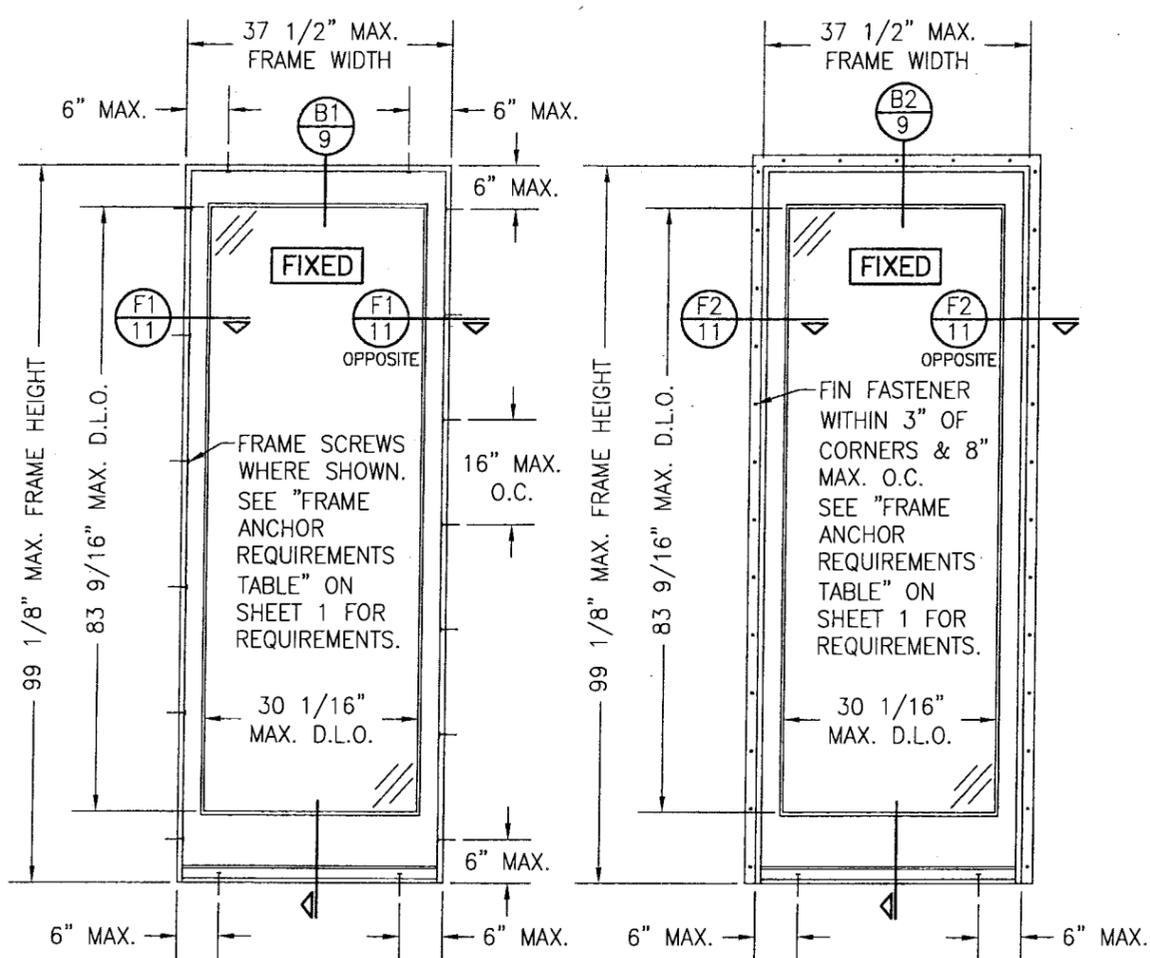
ANCHOR NOTE: SHAPED DOORS SHALL BE ANCHORED AS DETAILED WITH THE RECTANGULAR DOOR ELEVATIONS ON SHEET 4 EXCEPT THAT WHEN FRAME SCREW MOUNTED, THE SHAPED HEADS SHALL HAVE SCREWS PLACED WITHIN 6" OF CORNERS/SPRINGLINE & SPACED 16" MAX. O.C. AROUND THE RADIUS.

Approved as complying with the
Florida Building Code
Date March 10, 2010
NOA# 09-0901.09
Miami Dade Product Control
Division
Shayl. Chavala



DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=24	DATE: 04/30/09
NO.	REVISION DESCRIPTION
BY	DATE
DRAWING TITLE 1604 ALUMINUM CLAD OUT-SWING IMPACT DOOR	
MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
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	
CERTIFICATION	REVISION
<i>WARREN W. SCHAEFER</i> P.E. NO. 44135	1568
JAN 12 2010	SHEET NO.
	3 OF 15

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 04/30/09
DATE	
BY	
REVISION DESCRIPTION	
NO.	



**EXTERIOR ELEVATION:
SINGLE FIXED PANEL DOOR**
SCALE: 1/2" = 1'-0"
(FRAME SCREW MOUNT CONDITION)

**EXTERIOR ELEVATION:
SINGLE FIXED PANEL DOOR**
SCALE: 1/2" = 1'-0"
(NAIL FIN MOUNT CONDITION)

ALLOWABLE DESIGN PRESSURE (SINGLE FIXED PANEL DOOR)
+65/-85 PSF

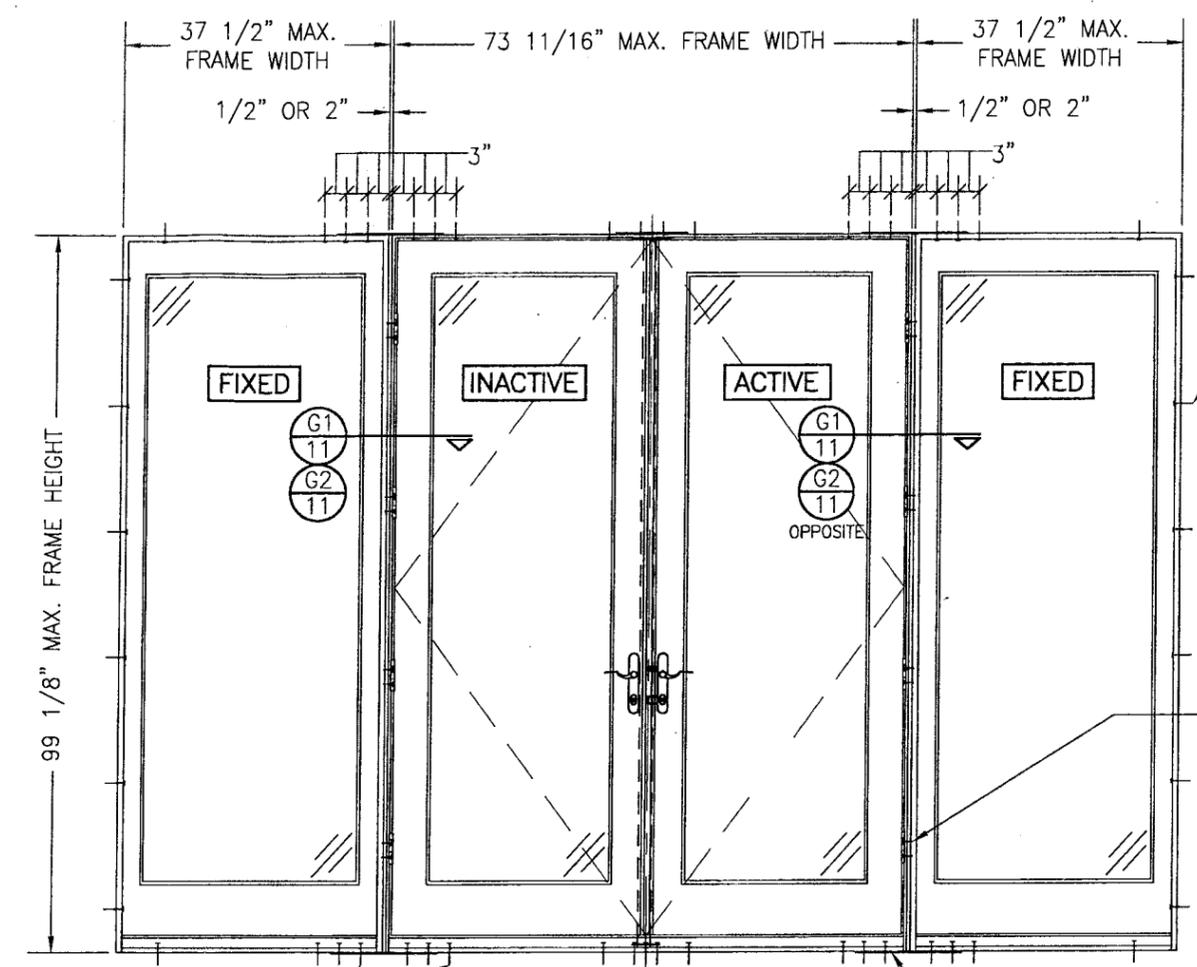
ADDITIONAL FRAME SCREWS WHERE SHOWN AT MULLION ENDS (4 SCREWS TOTAL WHEN REQ'D PRESSURE ON DOOR IS +/-60 PSF OR LESS; 6 TOTAL WHEN REQ'D PRESSURE IS GREATER THAN +/-60 PSF). SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

**EXTERIOR ELEVATION:
DOUBLE DOORS WITH FIXED PANELS**
SCALE: 1/2" = 1'-0"
(FRAME SCREW MOUNT CONDITION)
(RECTANGULAR DOORS SHOWN, EYEBROW TOP CONDITION ALSO APPLIES)

ALLOWABLE DESIGN PRESSURE (SIDE BY SIDE UNITS)
+65/-75 PSF

MULTIPLE UNIT NOTES:

- FOR ALL DETAIL NOT SHOWN, SEE INDIVIDUAL UNIT ELEVATIONS.
- THERE IS NO LIMIT ON THE NUMBER OF DOORS THAT MAY BE COMBINED IN ONE DIRECTION INTO ONE OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT ALL LOADS TRANSFERRED FROM THE DOORS & THEIR MULLIONS.
- OXXO UNIT IS SHOWN. ALL OTHER FIXED/OPERABLE COMBINATIONS ALSO APPLY WITH THE MULLION CONDITIONS SHOWN.
- INDIVIDUAL DOOR SIZES SHALL BE RESTRICTED AS SPECIFIED IN THE SINGLE UNIT ELEVATION.

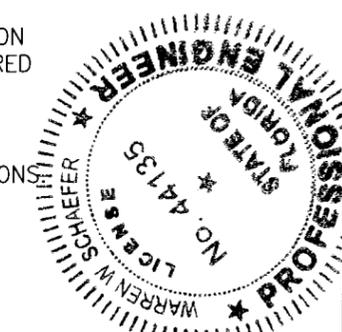


SEE SINGLE UNIT ELEVATIONS FOR FRAME ANCHOR REQUIREMENTS & POSITIONS AROUND EACH UNIT

NO. 10 LONG HINGE SCREW PER SECTIONS G1/11 & G2/11

0.05" X 4" X 15" 50 KSI GALVANIZED MULLION END REINFORCEMENT PLATE AT EACH MULLION END LOCATION. SECURED TO EACH FRAME/SILL MEMBER WITH FIVE(5) 16 GA. X 7/16" X 1/2" LONG STAPLES.

Approved as complying with the Florida Building Code
Date March 10, 2010
NOA# 09-0901.09
Miami Dade Product Control
Division
By Shag L. Chaudh

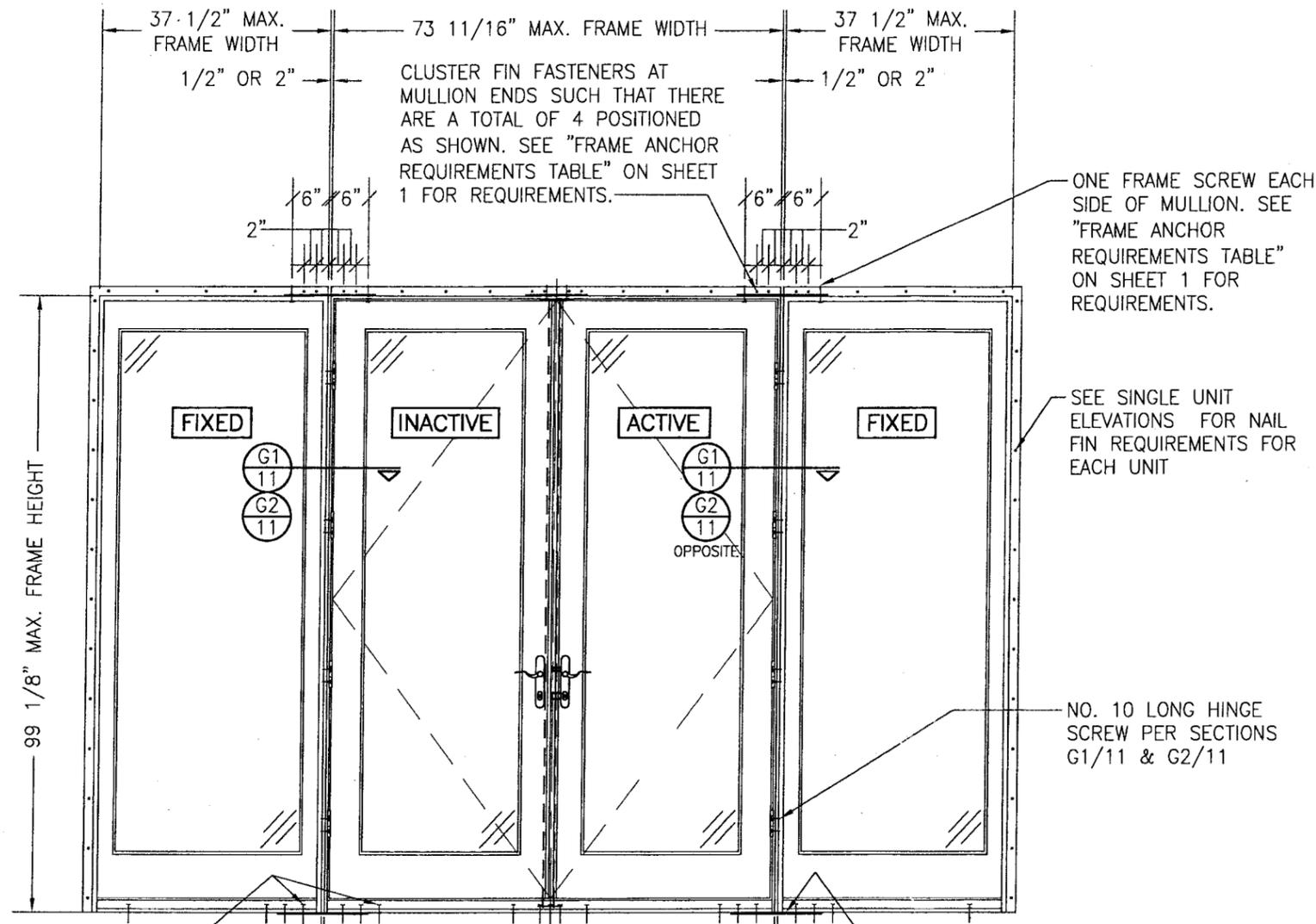


DRAWING TITLE: 1604 ALUMINUM CLAD OUT-SWING IMPACT DOOR

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: WEATHER SHIELD WINDOWS & DOORS
ONE WEATHER SHIELD PLAZA
MEDFORD, WI 54451
715-748-6555

DRAWING NO. 1568	REV.
SHEET NO. 4	OF 15



ADDITIONAL FRAME SCREWS WHERE SHOWN AT MULLION ENDS (4 SCREWS TOTAL WHEN REQ'D PRESSURE ON DOOR IS +/-60 PSF OR LESS; 6 TOTAL WHEN REQ'D PRESSURE IS GREATER THAN +/-60 PSF). SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

**EXTERIOR ELEVATION:
DOUBLE DOORS WITH FIXED PANELS**

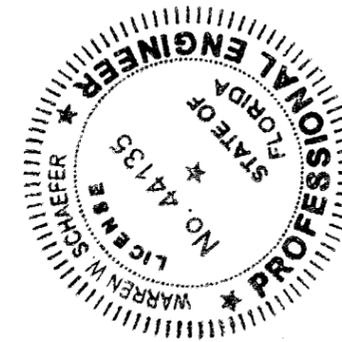
SCALE: 1/2" = 1'-0"
(NAIL FIN MOUNT CONDITION)
(RECTANGULAR DOORS SHOWN, EYEBROW TOP CONDITION ALSO APPLIES)

<p>ALLOWABLE DESIGN PRESSURE (SIDE BY SIDE UNITS)</p> <p>+65/-75 PSF</p>

0.05" X 4" X 15" 50 KSI GALVANIZED MULLION END REINFORCEMENT PLATE AT EACH MULLION END LOCATION. SECURED TO EACH FRAME/SILL MEMBER WITH FIVE(5) 16 GA. X 7/16" X 1/2" LONG STAPLES.

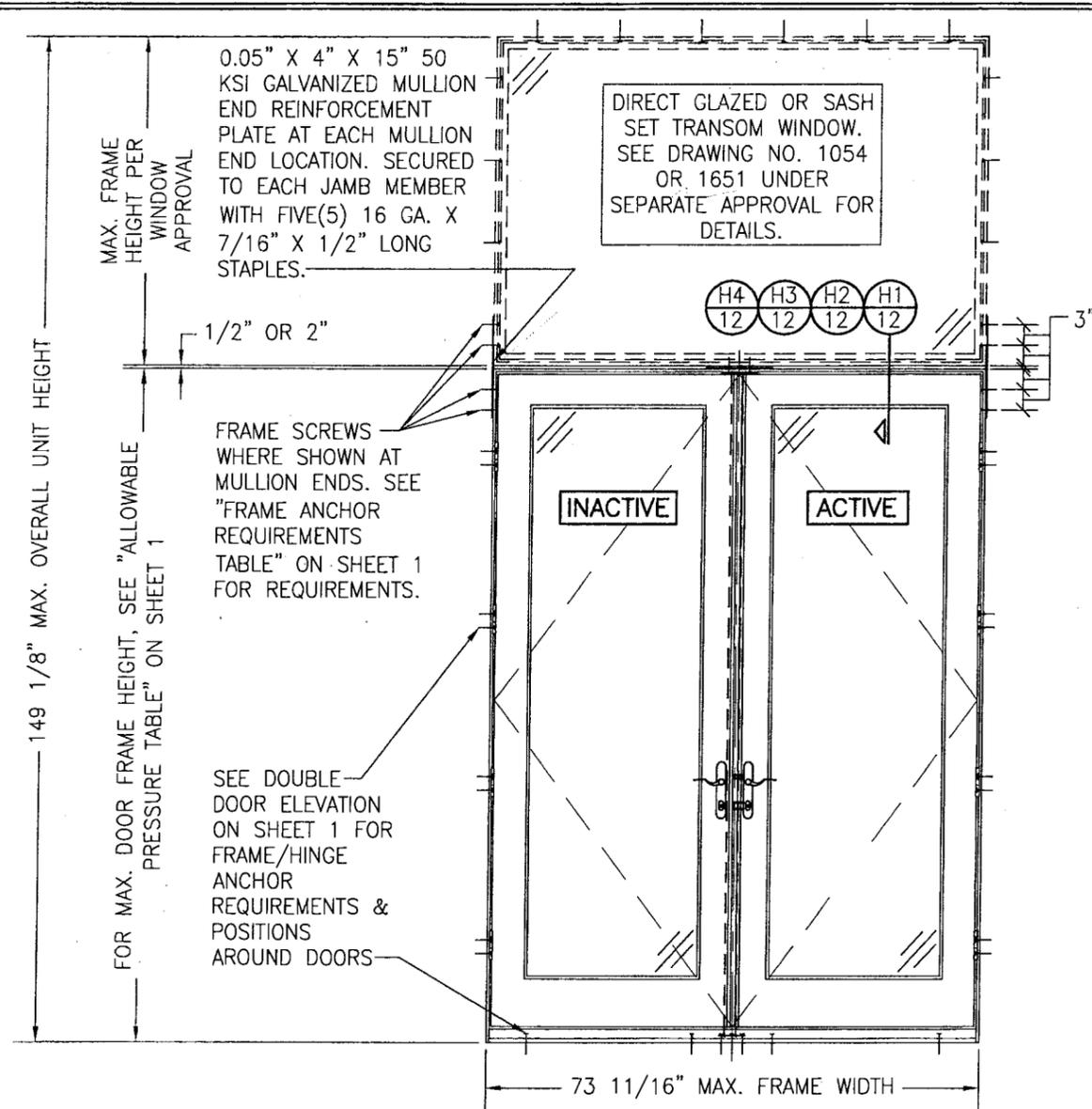
MULTIPLE UNIT NOTES:

1. FOR ALL DETAIL NOT SHOWN, SEE INDIVIDUAL UNIT ELEVATIONS.
2. THERE IS NO LIMIT ON THE NUMBER OF DOORS THAT MAY BE COMBINED IN ONE DIRECTION INTO ONE OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT ALL LOADS TRANSFERRED FROM THE DOORS & THEIR MULLIONS.
3. OXO UNIT IS SHOWN. ALL OTHER FIXED/OPERABLE COMBINATIONS ALSO APPLY WITH THE MULLION CONDITIONS SHOWN.
4. INDIVIDUAL DOOR SIZES SHALL BE RESTRICTED AS SPECIFIED IN THE SINGLE UNIT ELEVATIONS.



Approved as complying with the Florida Building Code
Date March 10, 2010
NOA# 09-0901.09
Miami Dade Product Control
Division
By Shaghi Chowdhury

<p>DRAWN BY: W.R.M. CHECKED BY: W.W.S. PLOT: 1=24 DATE: 04/30/09</p>
<p>NO. _____</p>
<p>REVISION DESCRIPTION</p>
<p>BY _____</p>
<p>DATE _____</p>
<p>DRAWING TITLE: 1604 ALUMINUM CLAD OUT-SWING IMPACT DOOR</p>
<p>MANUFACTURER: WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555</p>
<p>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</p>
<p>CERTIFICATION: JAN 12 2010</p>
<p>DRAWING NO. 1568 SHEET NO. 5 OF 15</p>

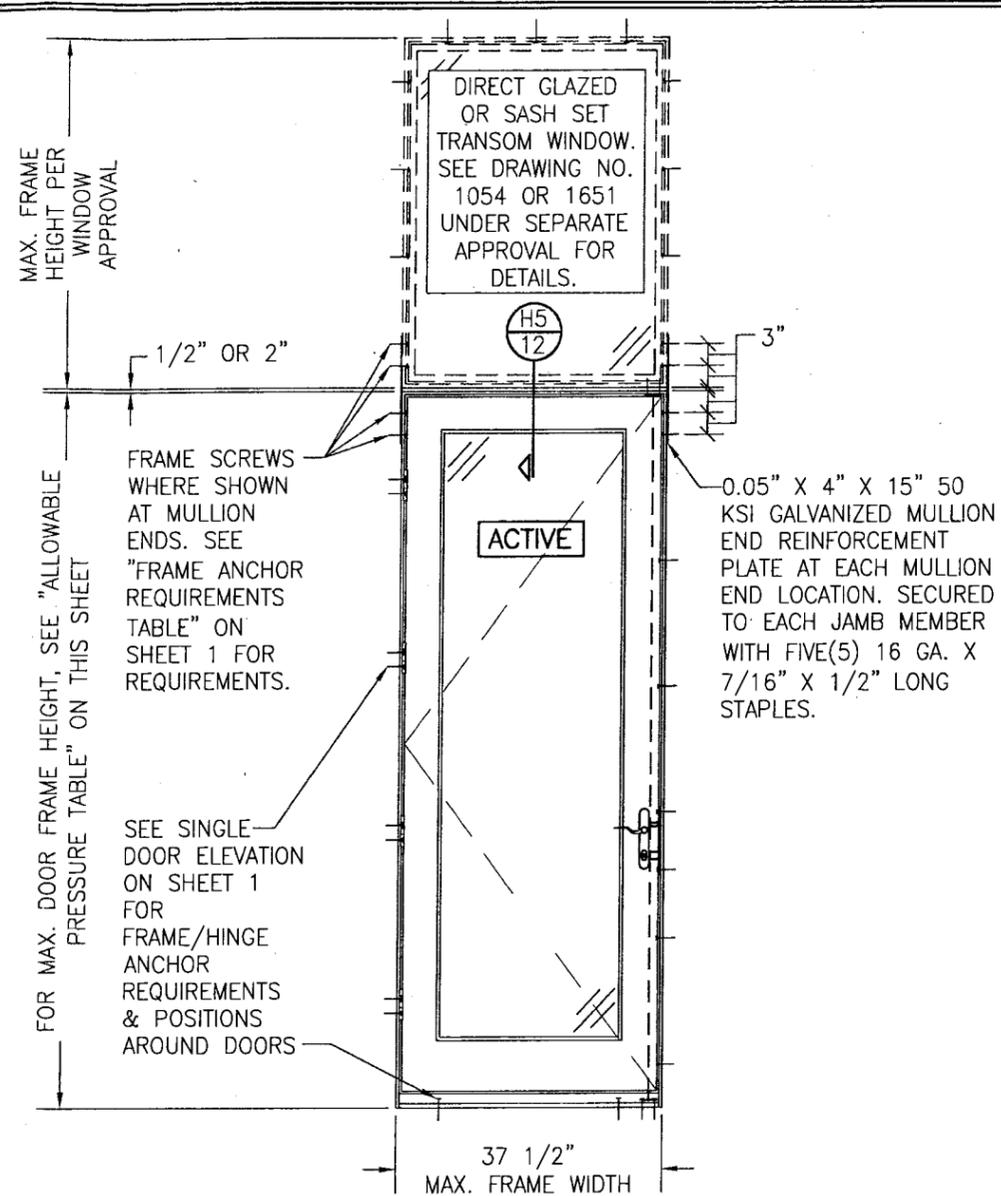


**EXTERIOR ELEVATION:
DOUBLE DOORS WITH TRANSOM**

SCALE: 1/2" = 1'-0"
(FRAME SCREW MOUNT CONDITION)
(SEE DOUBLE RECTANGULAR DOOR ELEVATIONS ON SHEET 1 FOR DOOR DETAIL NOT SHOWN)

ALLOWABLE DESIGN PRESSURE (DOUBLE DOOR WITH TRANSOM UNIT)			
MAX. FRAME WIDTH (IN.)	MAX. OVERALL UNIT HEIGHT (IN.)	(1) ALLOWABLE PRESSURE	
		POSITIVE (PSF)	NEGATIVE (PSF)
73 11/16	149 1/8	65	75
73 11/16	130 1/4	65	85

(1) LESSER OF THE PRESSURES IN THIS TABLE & THOSE FOR THE INDIVIDUAL DOOR & TRANSOM SHALL CONTROL.



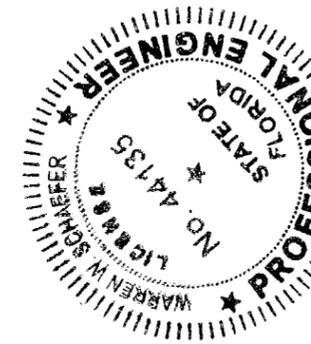
**EXTERIOR ELEVATION:
SINGLE DOOR WITH TRANSOM**

SCALE: 1/2" = 1'-0"
(FRAME SCREW MOUNT CONDITION)
(SEE SINGLE RECTANGULAR DOOR ELEVATIONS ON SHEETS 1 & 4 FOR DOOR DETAIL NOT SHOWN)
(OPERABLE DOOR SHOWN. FIXED PANEL DOOR ALSO APPLIES)

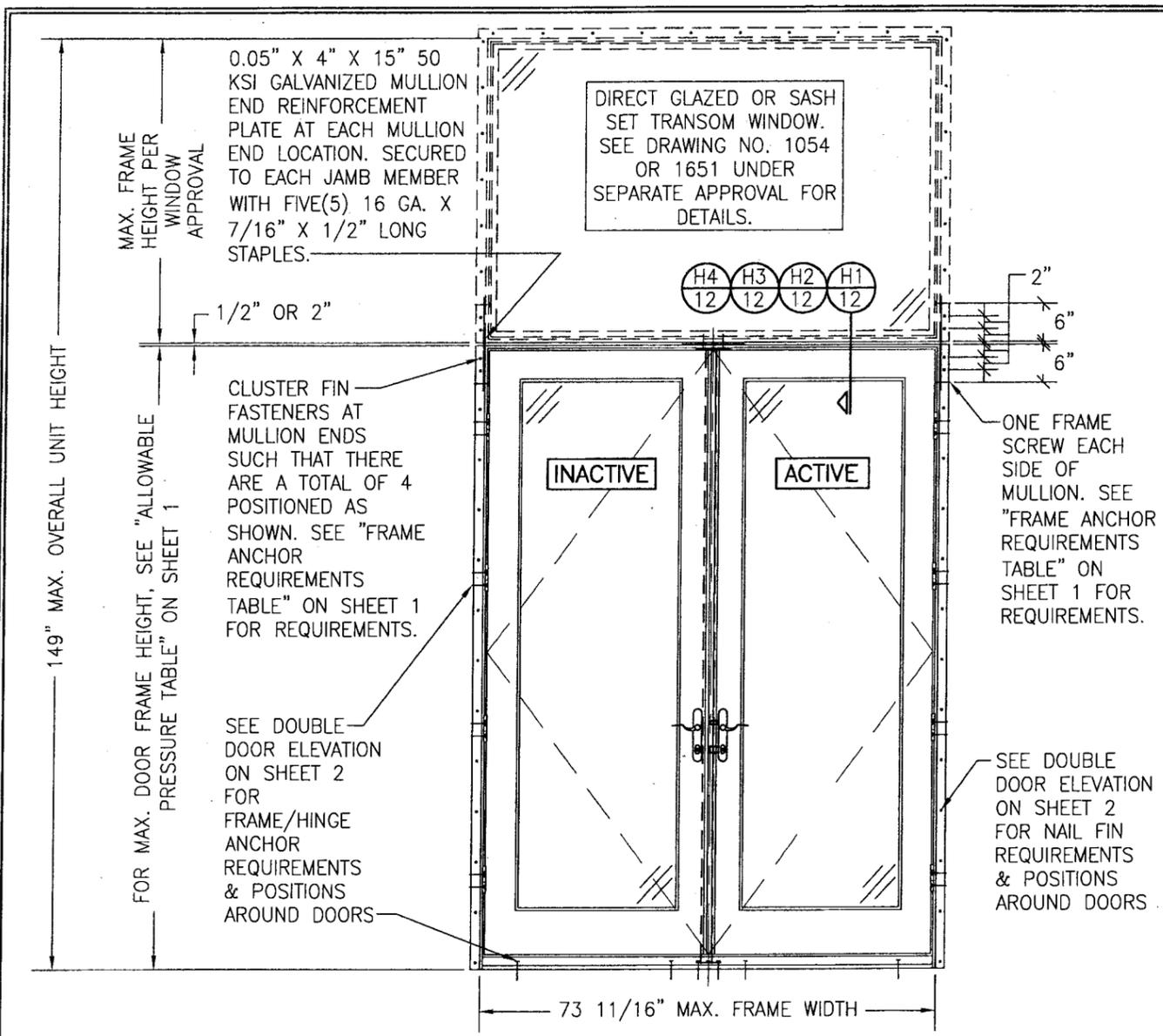
ALLOWABLE DESIGN PRESSURE (SINGLE DOOR WITH TRANSOM UNIT)			
MAX. FRAME WIDTH (IN.)	MAX. DOOR FRAME HEIGHT (IN.)	(1) ALLOWABLE PRESSURE	
		POSITIVE (PSF)	NEGATIVE (PSF)
37 1/2	99 1/8	65	75
37 1/2	82	65	85

(1) LESSER OF THE PRESSURES IN THIS TABLE & THOSE FOR THE INDIVIDUAL DOOR & TRANSOM SHALL CONTROL.

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Date March 10, 2010
NOA# 09-0901.09
Miami Dade Product Control Division
By Ishag I. Chank



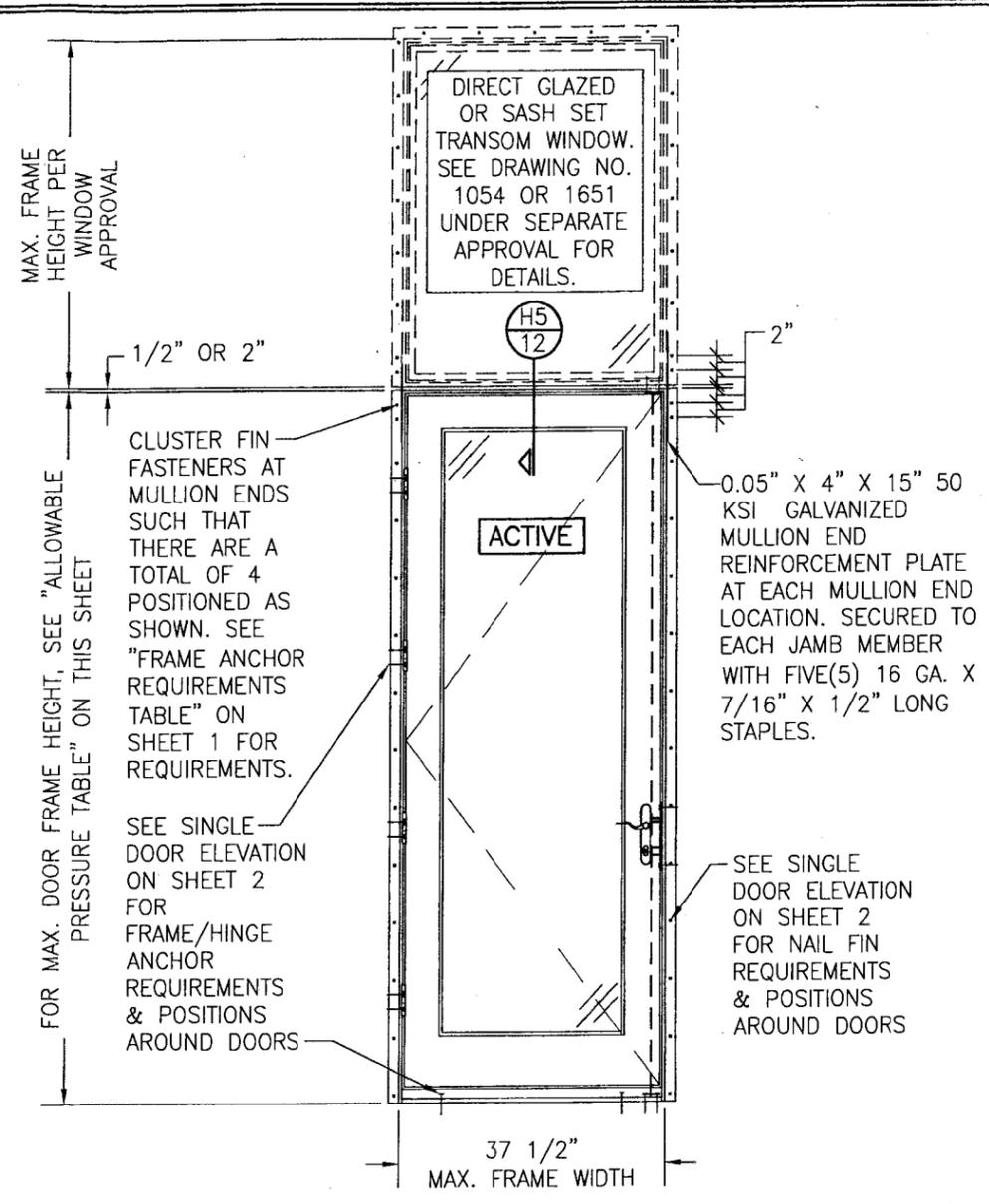
DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=24	DATE: 04/30/09
NO.	REVISION DESCRIPTION
BY	DATE
DRAWING TITLE 1604 ALUMINUM CLAD OUT-SWING IMPACT DOOR	
MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
DRAWING NO. 1568	
SHEET NO. 6 OF 15	



**EXTERIOR ELEVATION:
DOUBLE DOORS WITH TRANSOM**
SCALE: 1/2" = 1'-0"
(NAIL FIN MOUNT CONDITION)
(SEE DOUBLE RECTANGULAR DOOR ELEVATIONS ON SHEET 2 FOR DOOR DETAIL NOT SHOWN)

ALLOWABLE DESIGN PRESSURE (DOUBLE DOOR WITH TRANSOM UNIT)			
MAX. FRAME WIDTH (IN.)	MAX. OVERALL UNIT HEIGHT (IN.)	(1) ALLOWABLE PRESSURE	
		POSITIVE (PSF)	NEGATIVE (PSF)
73 11/16	149 1/8	65	75
73 11/16	130 1/4	65	85

(1) LESSER OF THE PRESSURES IN THIS TABLE & THOSE FOR THE INDIVIDUAL DOOR & TRANSOM SHALL CONTROL.

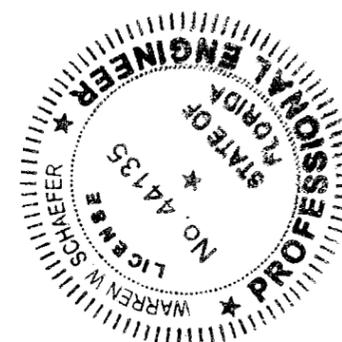


**EXTERIOR ELEVATION:
SINGLE DOOR WITH TRANSOM**
SCALE: 1/2" = 1'-0"
(NAIL FIN MOUNT CONDITION)
(SEE SINGLE RECTANGULAR DOOR ELEVATIONS ON SHEET 2 FOR DOOR DETAIL NOT SHOWN)
(OPERABLE DOOR SHOWN. FIXED PANEL DOOR ALSO APPLIES)

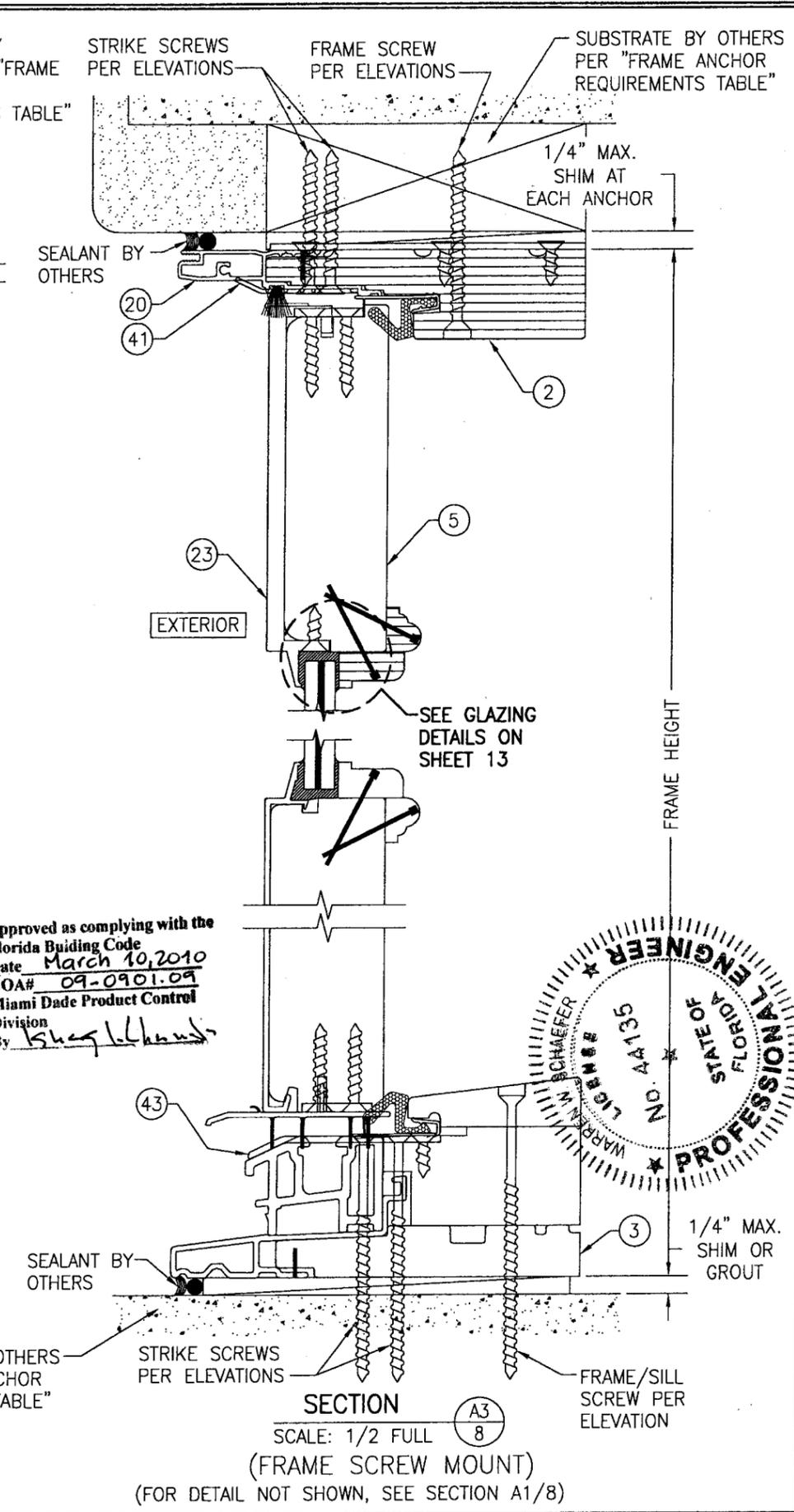
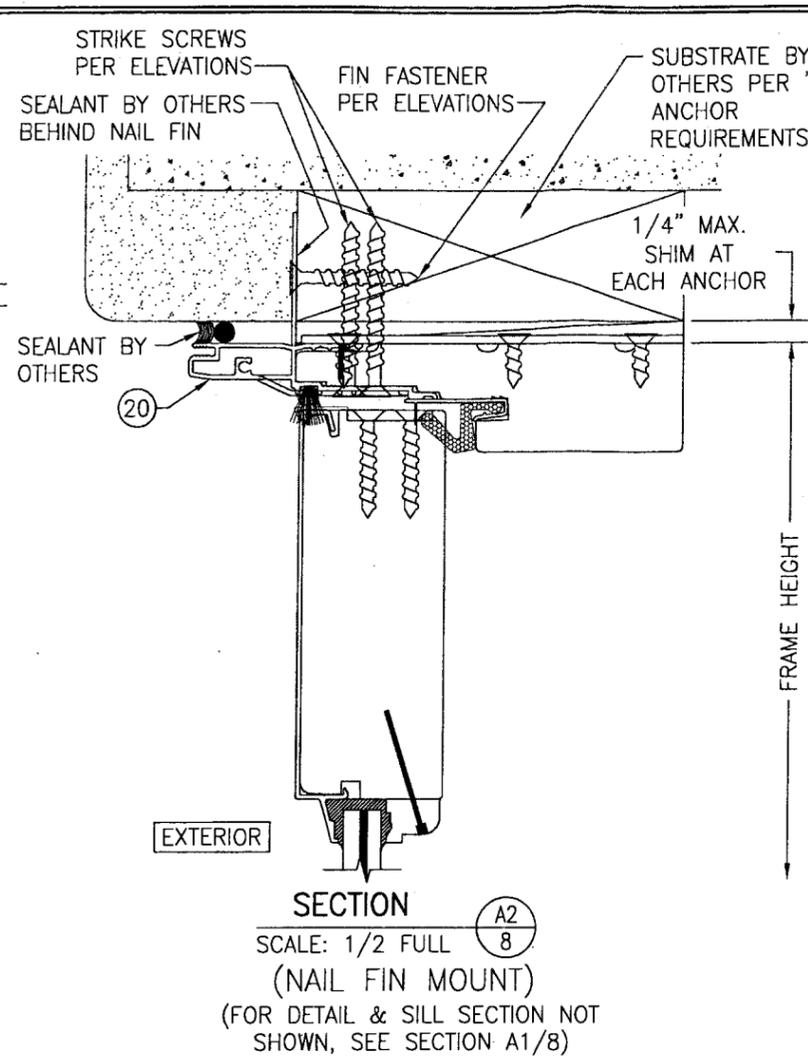
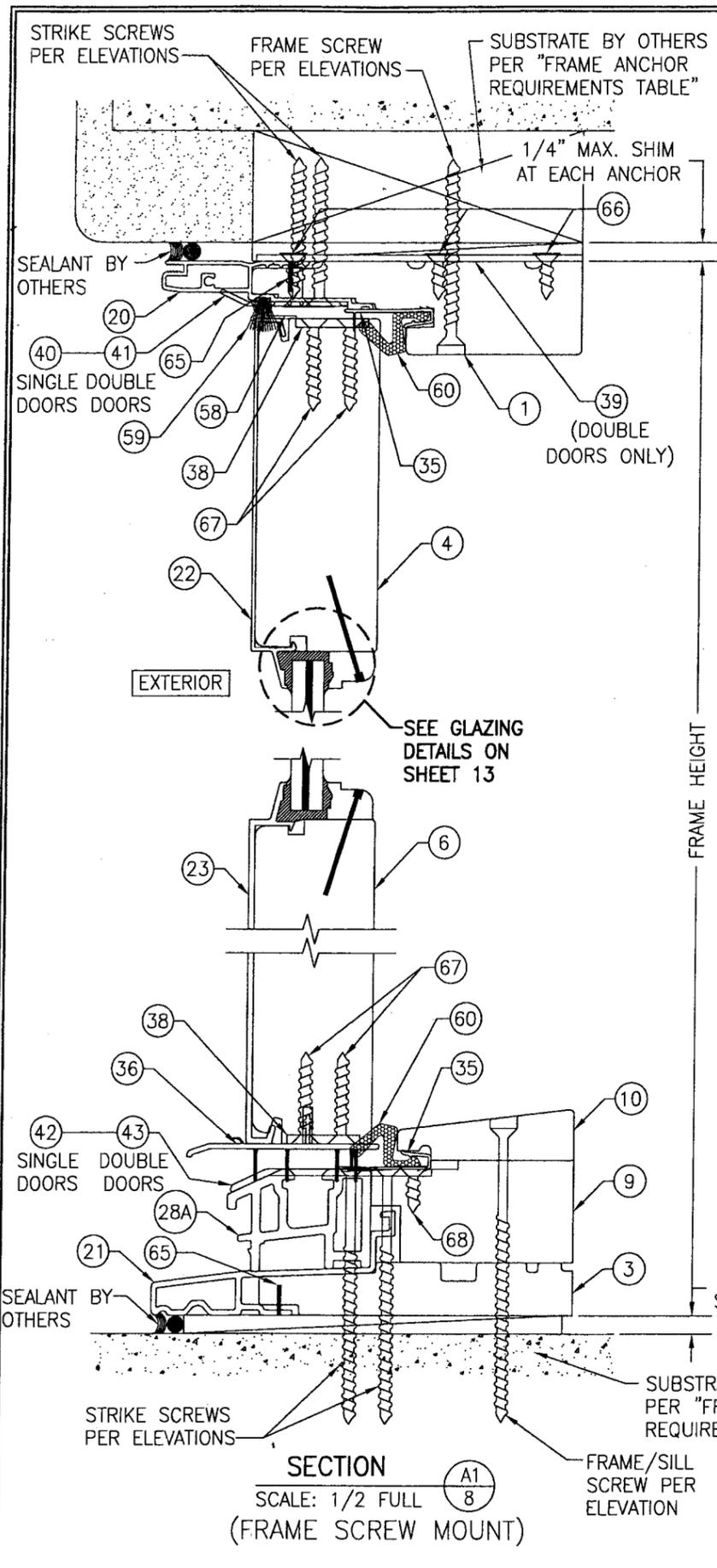
ALLOWABLE DESIGN PRESSURE (SINGLE DOOR WITH TRANSOM UNIT)			
MAX. FRAME WIDTH (IN.)	MAX. DOOR FRAME HEIGHT (IN.)	(1) ALLOWABLE PRESSURE	
		POSITIVE (PSF)	NEGATIVE (PSF)
37 1/2	99 1/8	65	75
37 1/2	82	65	85

(1) LESSER OF THE PRESSURES IN THIS TABLE & THOSE FOR THE INDIVIDUAL DOOR & TRANSOM SHALL CONTROL.

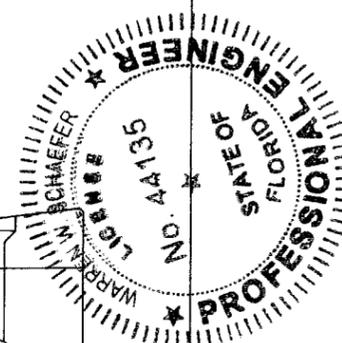
Approved as complying with the Florida Building Code
Date March 10, 2010
NOA# 09-0901.09
Miami Dade Product Control
Division
By: Ishay L. Chaudhary



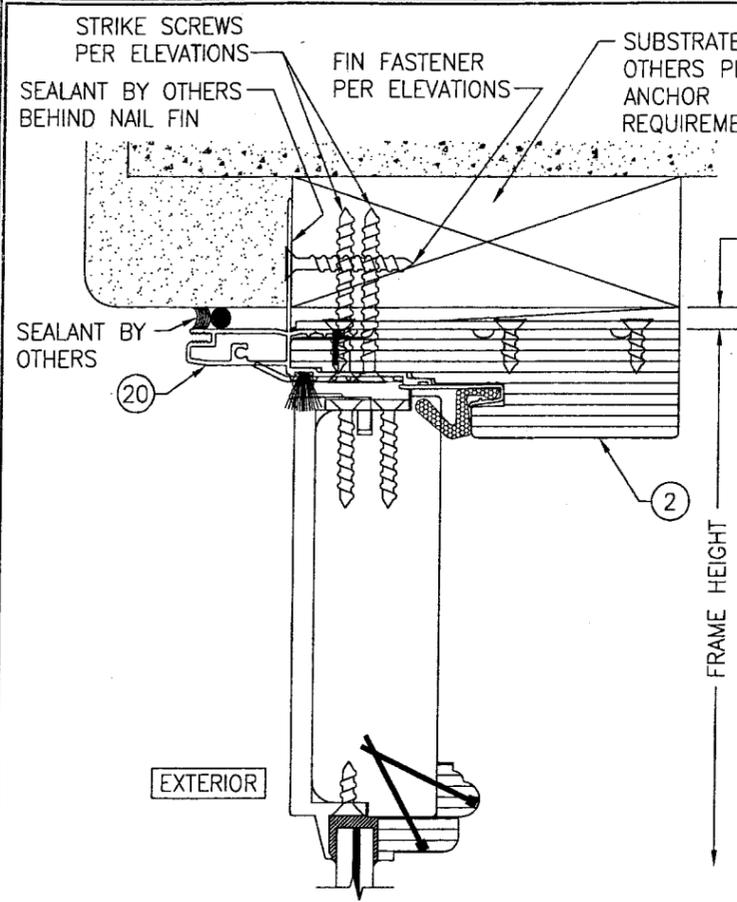
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PLOT: 1=24		DATE: 04/30/09	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: 1604 ALUMINUM CLAD OUT-SWING IMPACT DOOR			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: WEATHER SHIELD WINDOWS & DOORS	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
CERTIFICATION: WARREN W. SCHAEFER, P.E., NO. 44135		DATE: JAN 12 2010	
DRAWING NO. 1568		REV.	
SHEET NO. 7		OF 15	



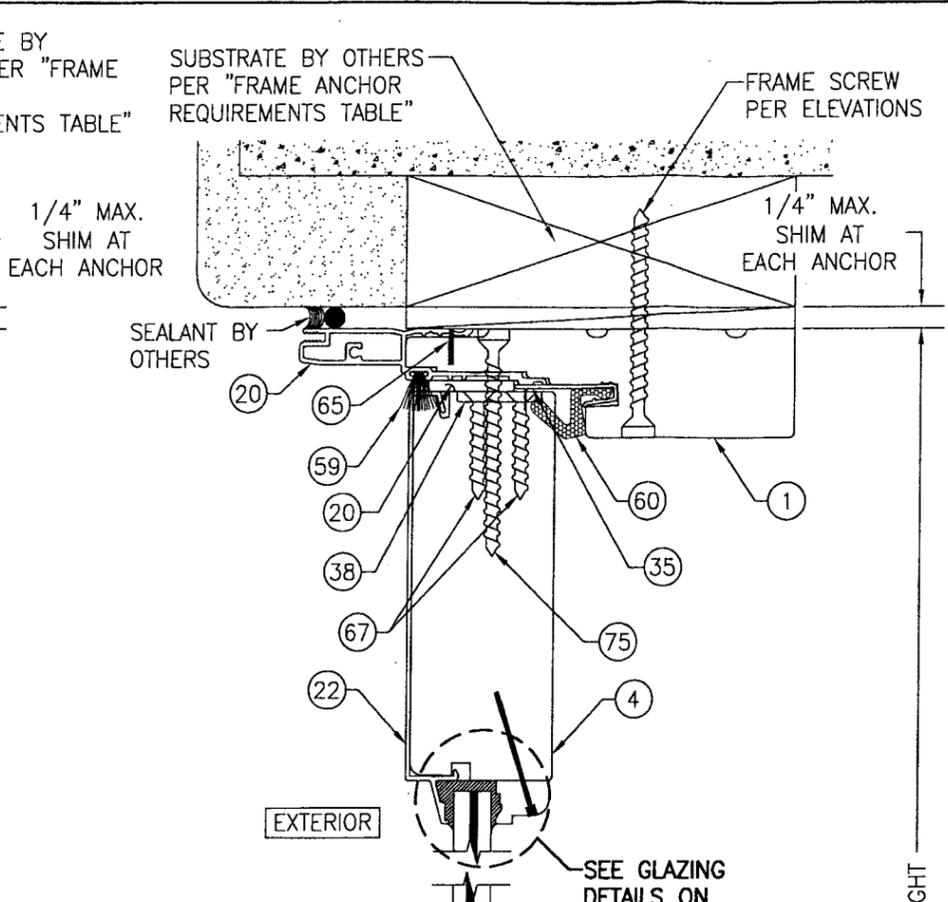
Approved as complying with the Florida Building Code
 Date March 10, 2010
 NOA# 09-0901.09
 Miami Dade Product Control
 Division
 By Shay L. L...



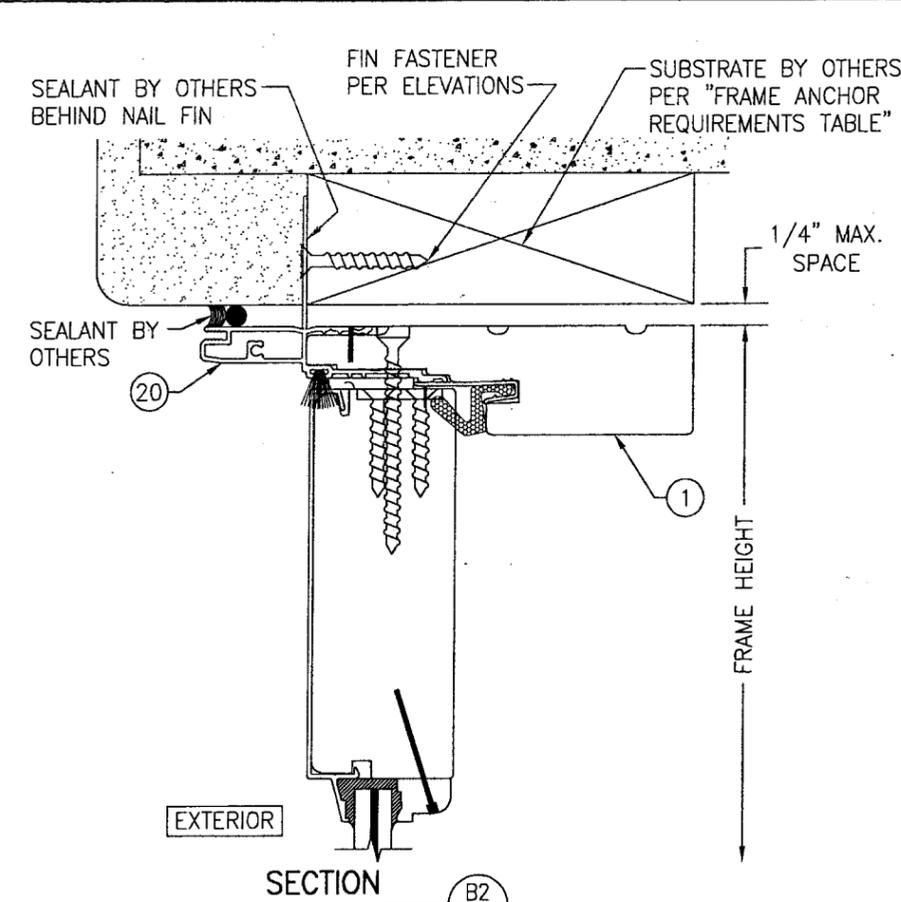
DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 04/30/09	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: 1604 ALUMINUM CLAD OUT-SWING IMPACT DOOR			
MANUFACTURER: WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903			
DRAWING DATE: JAN 12 2010			
CERTIFICATION: WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1568		REV.	
SHEET NO. 8		OF 15	



SECTION A4
 SCALE: 1/2 FULL
 (NAIL FIN MOUNT)
 (FOR DETAIL & SILL SECTION NOT SHOWN, SEE SECTION A3/8)



SECTION B1
 SCALE: 1/2 FULL
 (FRAME SCREW MOUNT)

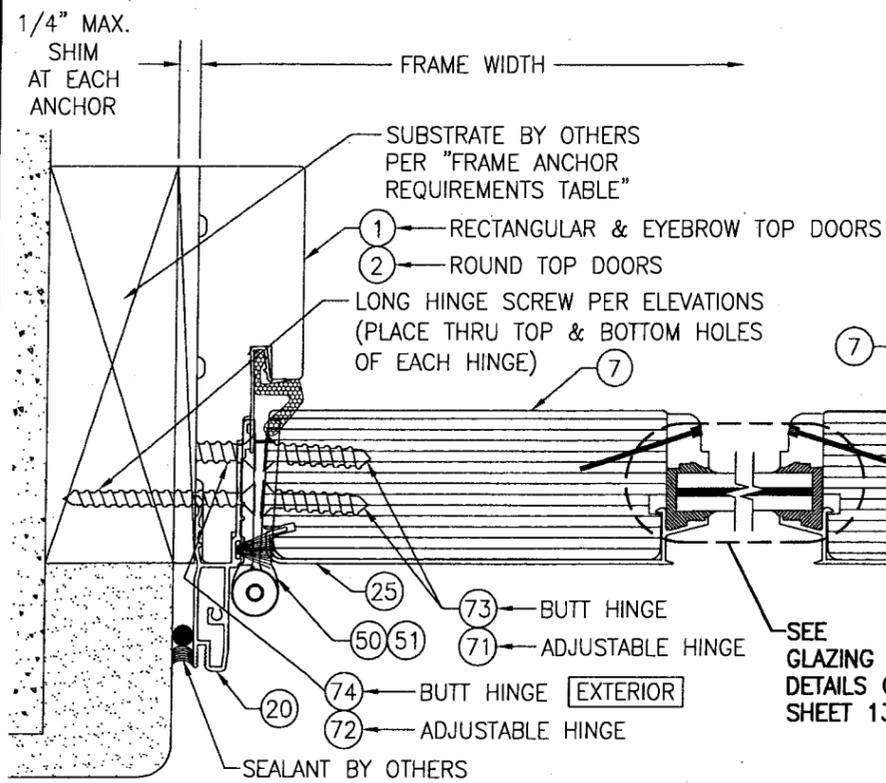


SECTION B2
 SCALE: 1/2 FULL
 (NAIL FIN MOUNT)
 (FOR DETAIL & SILL SECTION NOT SHOWN, SEE SECTION B1/9)

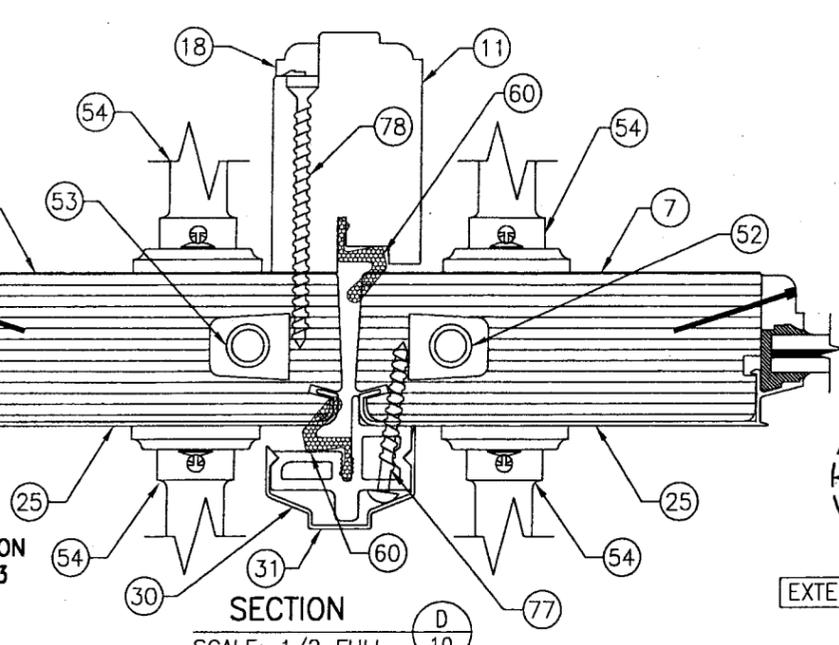
Approved as complying with the Florida Building Code
 Date March 10, 2010
 NOA# 09-0901.09
 Miami Dade Product Control
 Division
 By Shing I. Chant



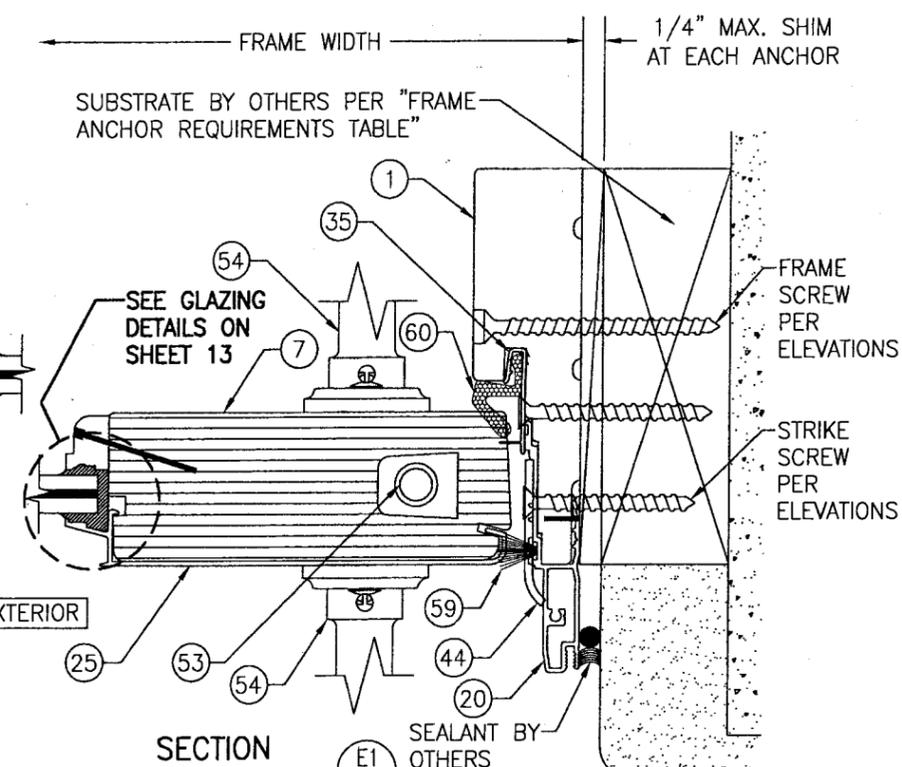
DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 04/30/09	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: 1604 ALUMINUM CLAD OUT-SWING IMPACT DOOR			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: WEATHER SHIELD WINDOWS & DOORS	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
CERTIFICATION: WARREN W. SCHAEFER, P.E., LICENSE NO. 44135, STATE OF FLORIDA		DATE: JAN 12 2010	
DRAWING NO. 1568		REV.	
SHEET NO. 9 OF 15			



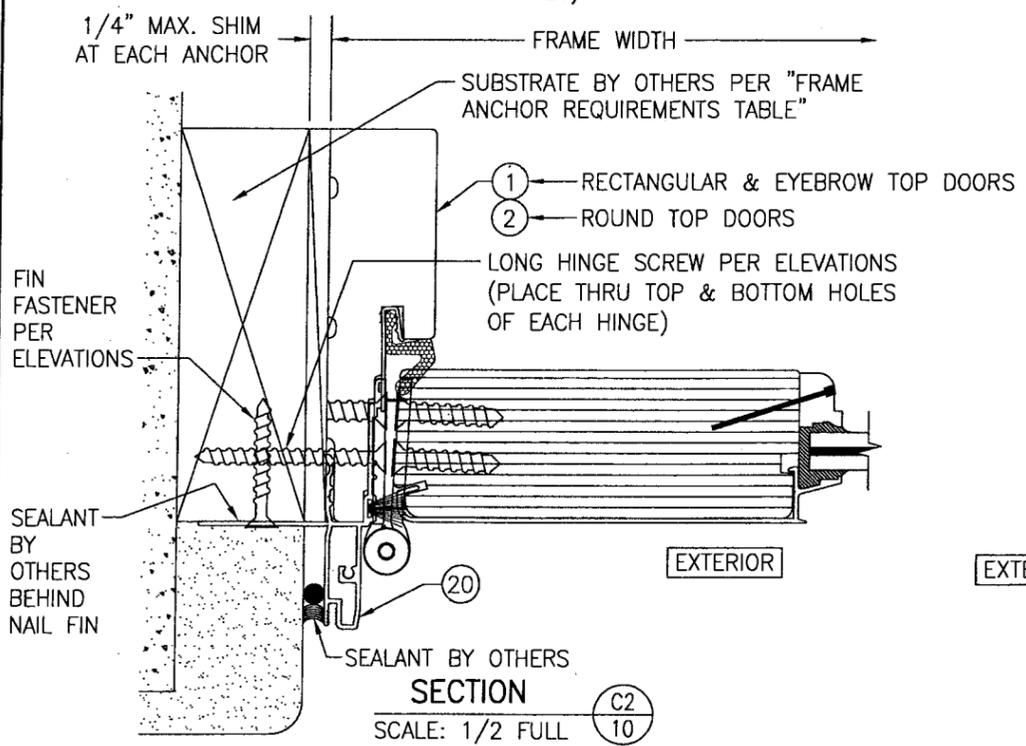
SECTION C1
SCALE: 1/2 FULL
(FRAME SCREW MOUNT)
(BUTT HINGE CONDITION SHOWN. ADJUSTABLE HINGE CONDITION ALSO APPLIES)



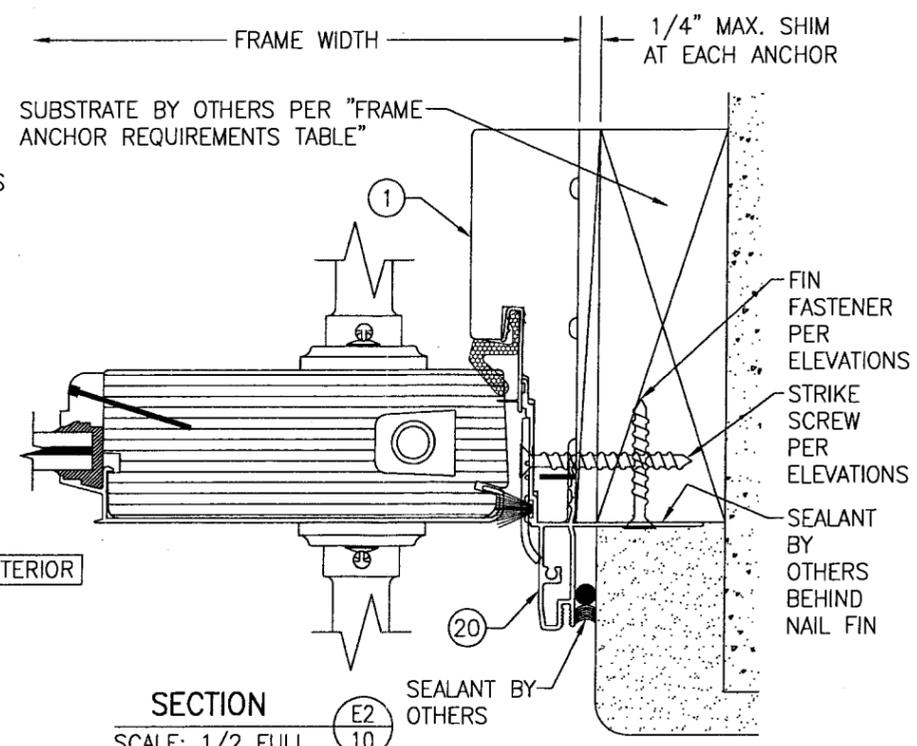
SECTION D
SCALE: 1/2 FULL



SECTION E1
SCALE: 1/2 FULL
(FRAME SCREW MOUNT)

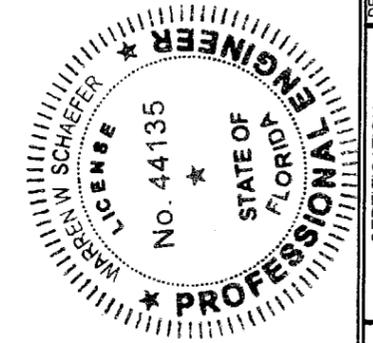


SECTION C2
SCALE: 1/2 FULL
(NAIL FIN MOUNT)
(FOR DETAIL NOT SHOWN, SEE SECTION C1/10)

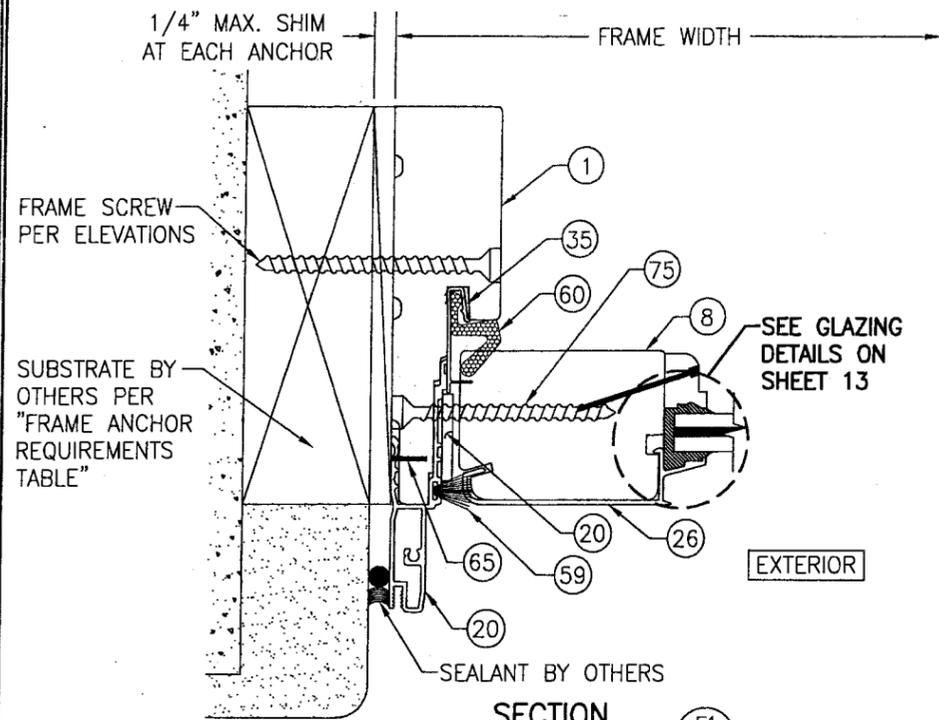


SECTION E2
SCALE: 1/2 FULL
(NAIL FIN MOUNT)
(FOR DETAIL NOT SHOWN, SEE SECTION E1/10)

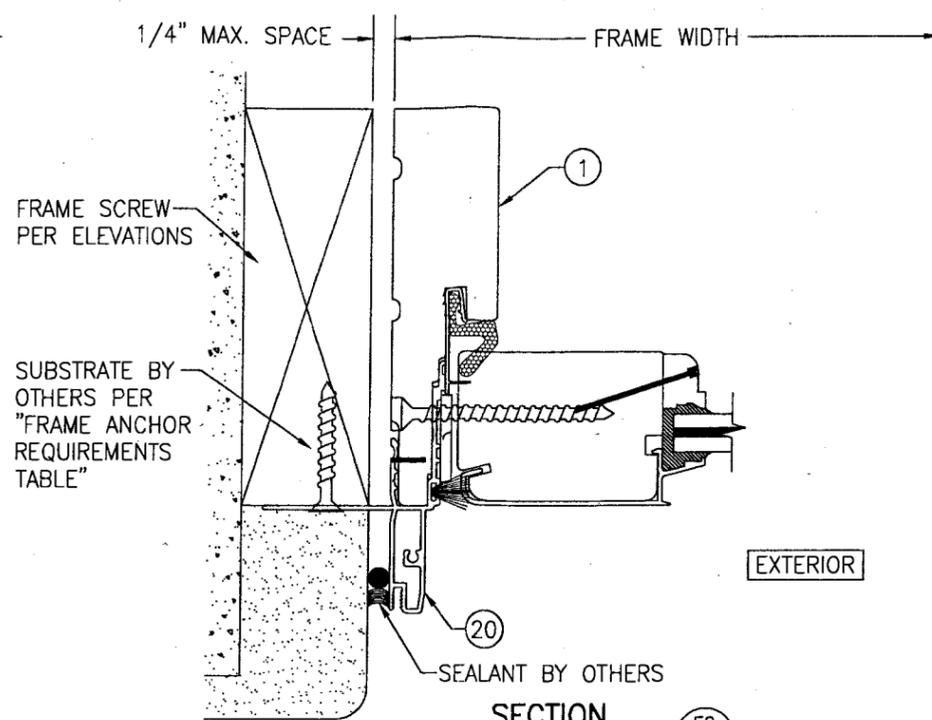
Approved as complying with the Florida Building Code
Date March 10, 2010
NOA# 09-0901.09
Miami Dade Product Control Division
By Shaghi Chandra



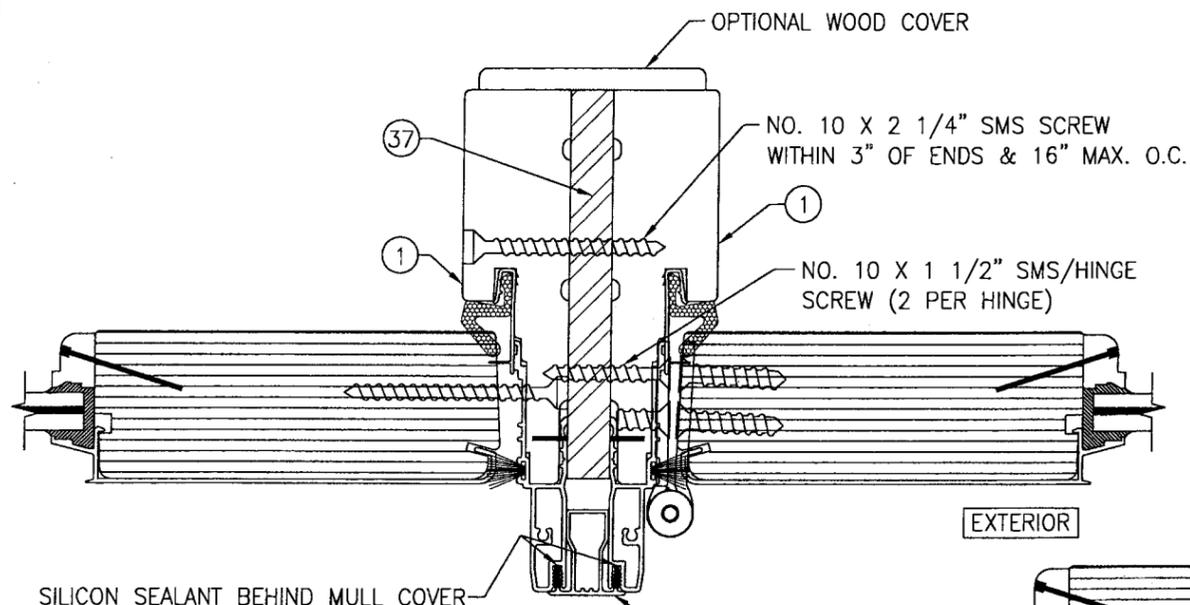
DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 04/30/09
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE 1604 ALUMINUM CLAD OUT-SWING IMPACT DOOR	
MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
DRAWING NO. 1568	
SHEET NO. 10 OF 15	



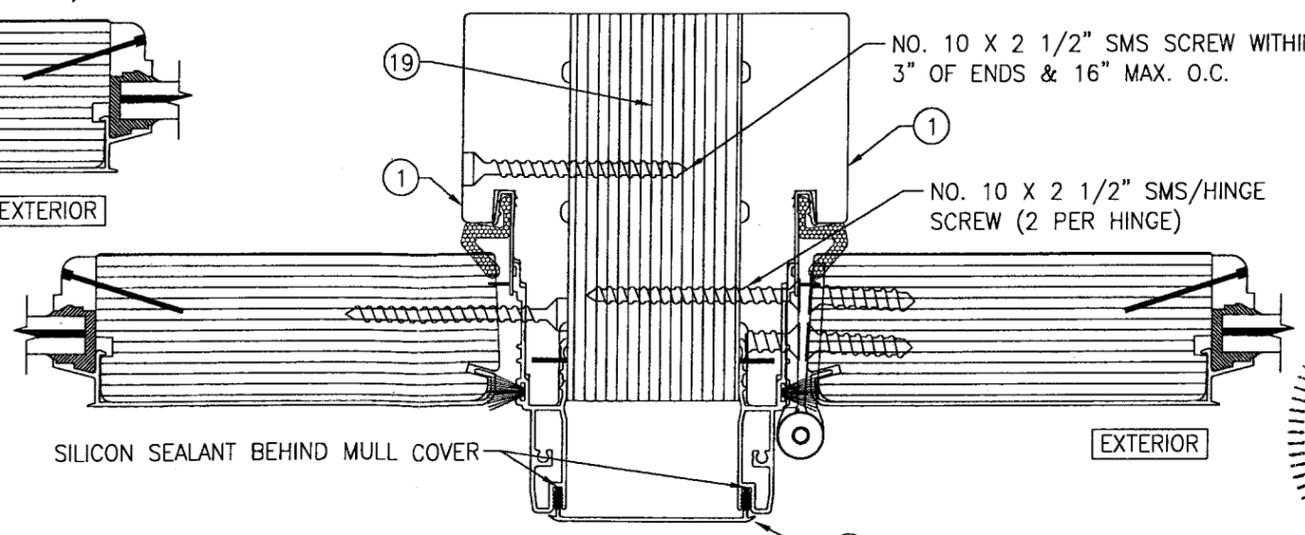
SECTION F1
SCALE: 1/2 FULL
(FRAME SCREW MOUNT)



SECTION F2
SCALE: 1/2 FULL
(NAIL FIN MOUNT)
(FOR DETAIL NOT SHOWN, SEE SECTION F1/11)

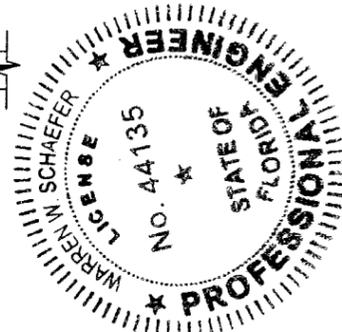


SECTION G1
SCALE: 1/2 FULL
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

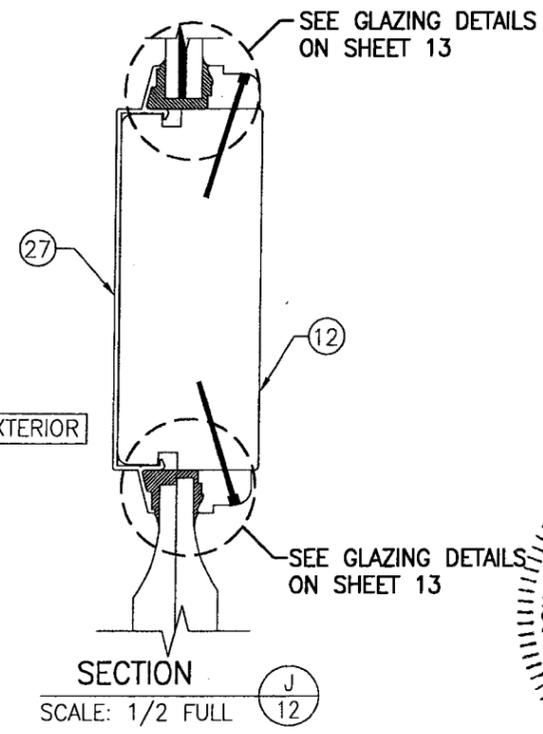
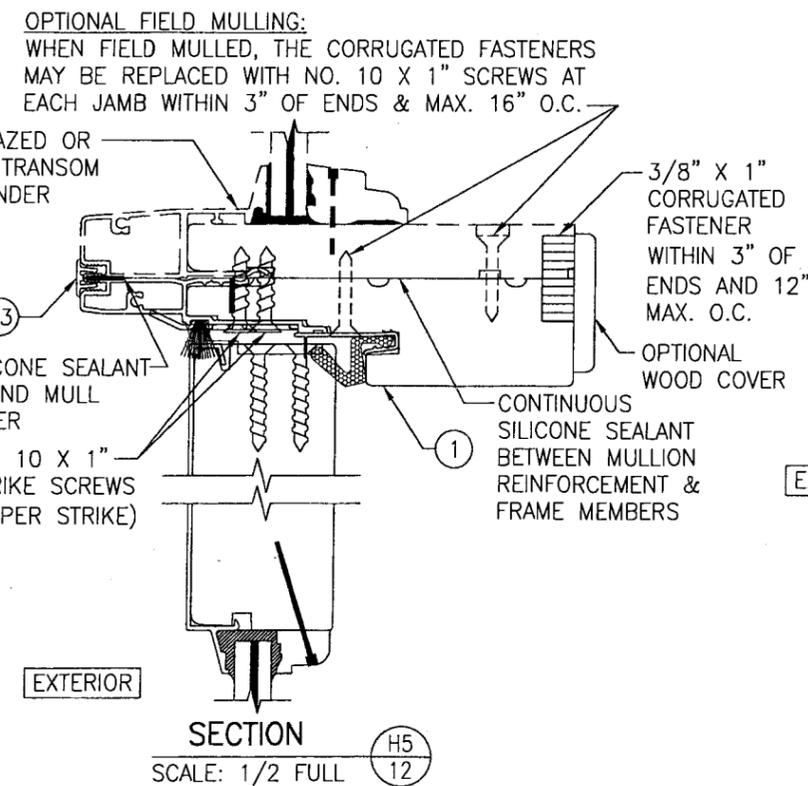
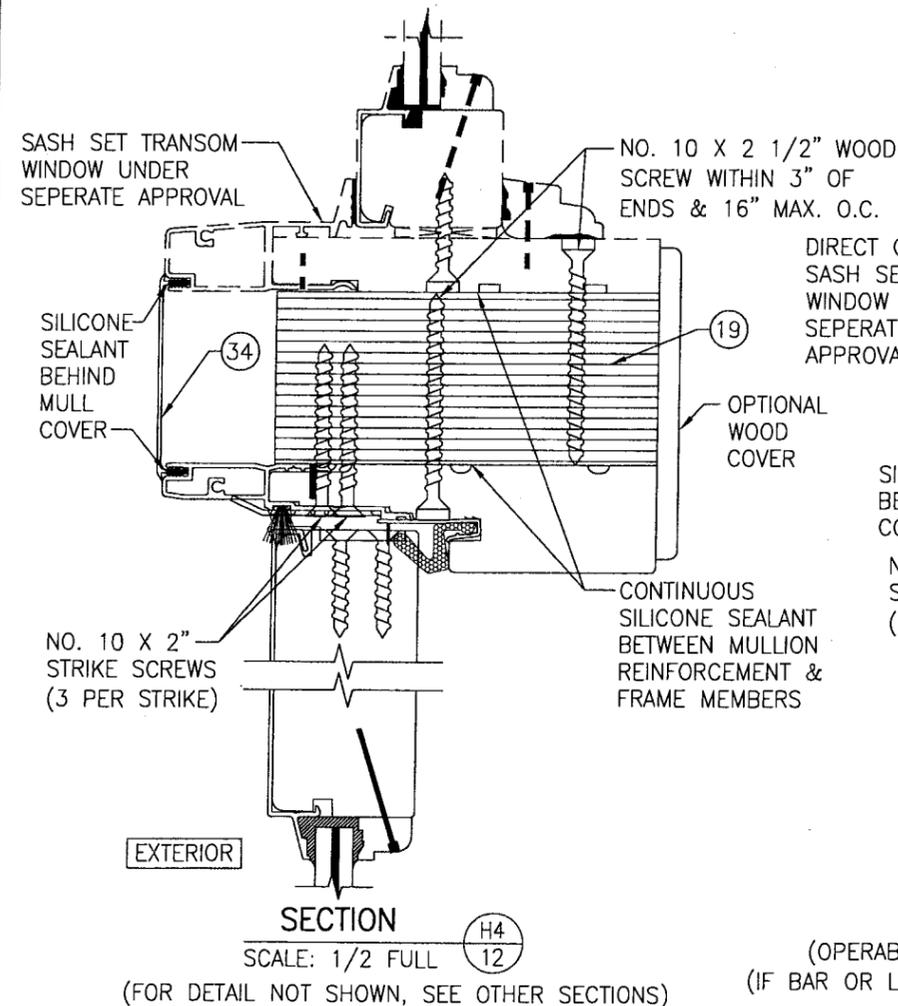
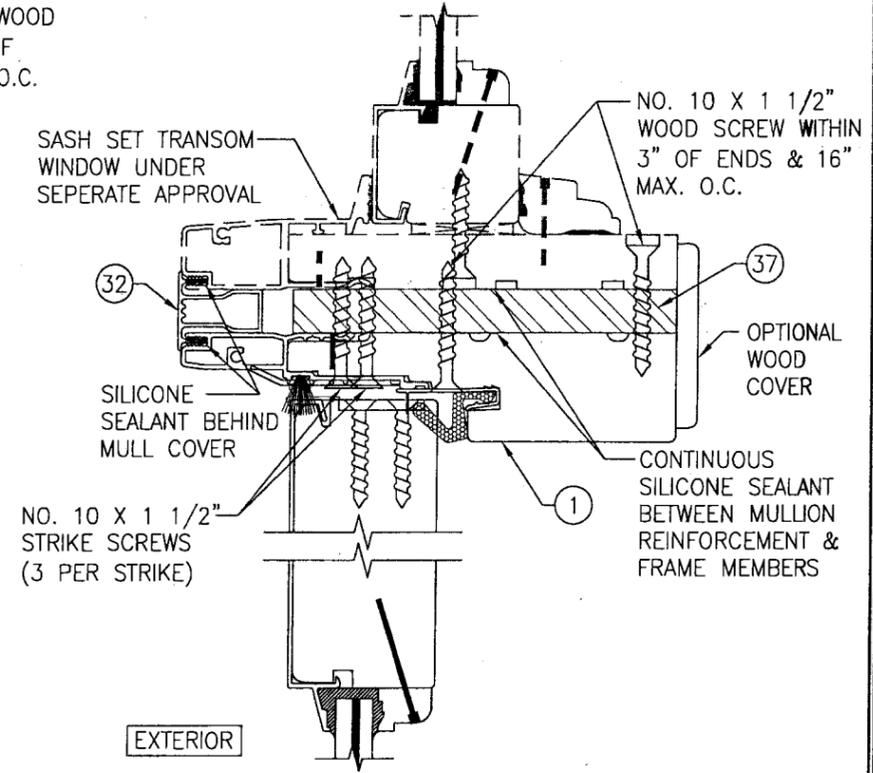
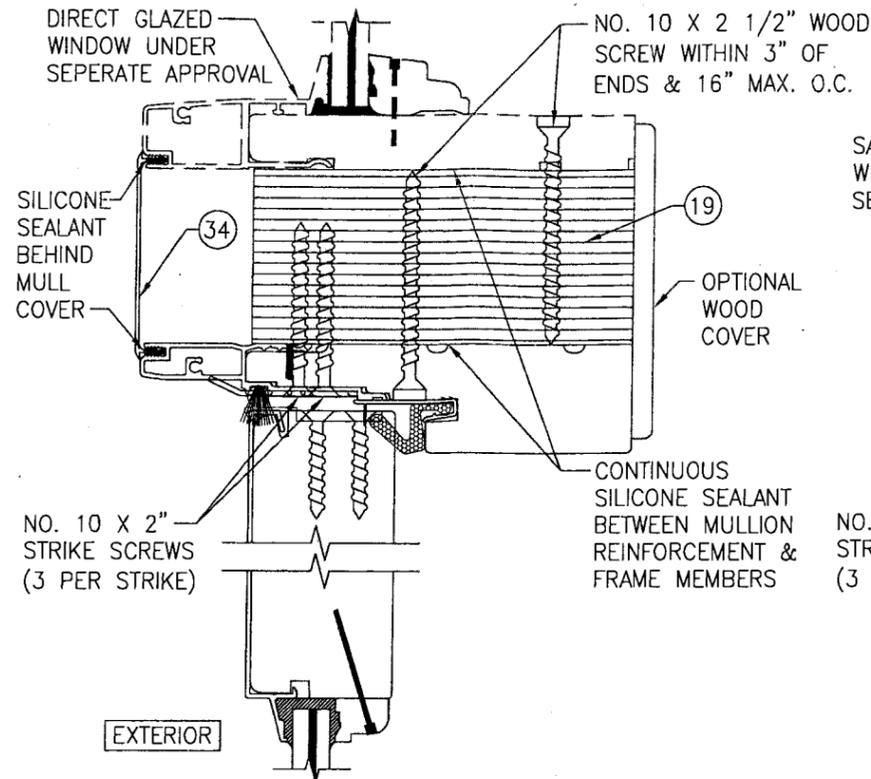
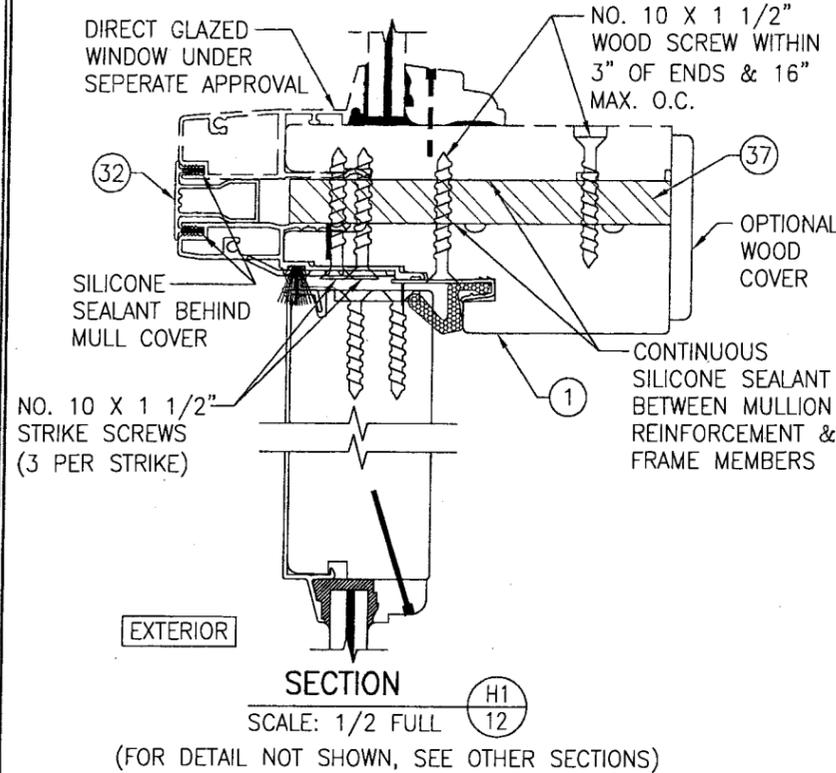


SECTION G2
SCALE: 1/2 FULL
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

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Miami Dade Product Control
Division
By Isaac L. Chen

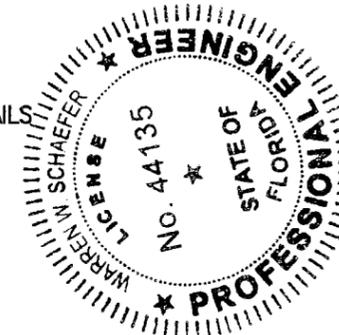


DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 04/30/09
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE 1604 ALUMINUM CLAD OUT-SWING IMPACT DOOR	
MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION JAN 12 2010	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1568	REV.
SHEET NO. 11	OF 15



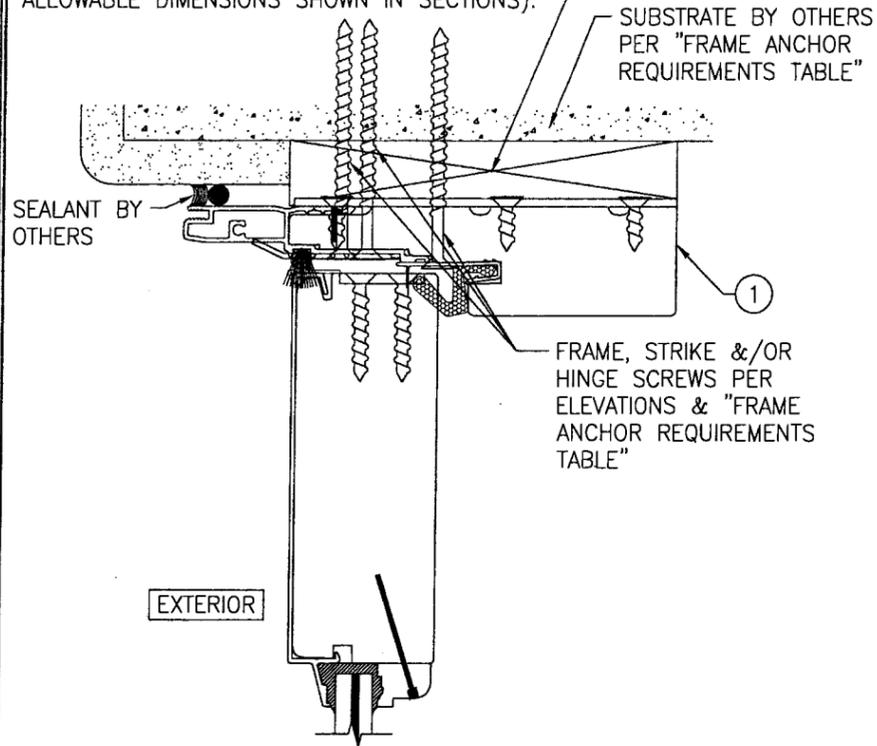
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)
(OPERABLE DOOR CONDITION SHOWN. FIXED PANEL DOOR ALSO APPLIES)
(IF BAR OR LVL REINFORCEMENT IS USED, SEE SECTIONS H1-H4/11 FOR DETAILS)

Approved as complying with the Florida Building Code
Date March 10, 2010
NOA# 09-0901.09
Miami Dade Product Control
Division
By Shagil Chande



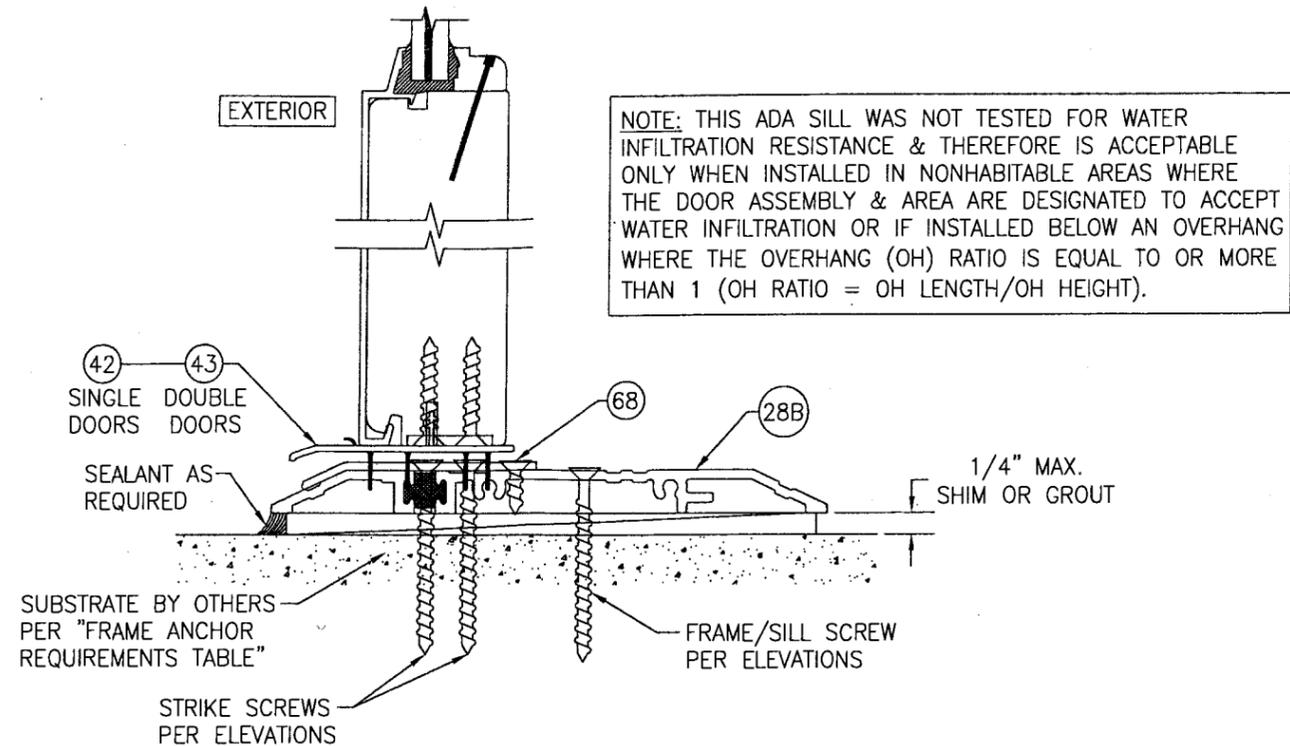
DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 04/30/09
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE 1604 ALUMINUM CLAD OUT-SWING IMPACT DOOR	
MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903
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DRAWING NO. 1568	REV.
SHEET NO. 12 OF 15	

CONTINUOUS WOOD MEMBER LESS IN THICKNESS THAN A 2X BUCK TO BE MIN. 4 1/2" DEEP (NOT REQUIRED WHEN SHIM SPACE IS WITHIN ALLOWABLE DIMENSIONS SHOWN IN SECTIONS).



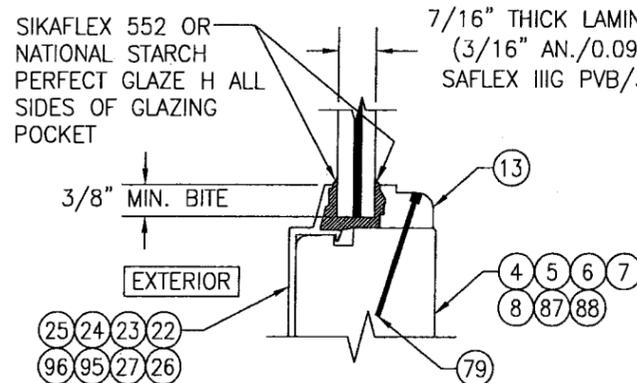
OPTIONAL DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER

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

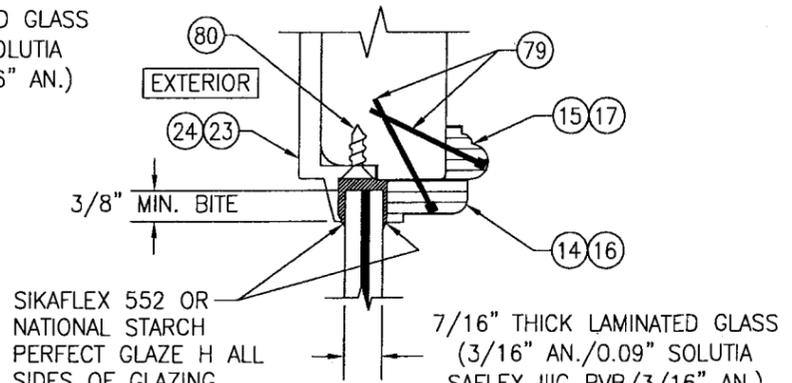


OPTIONAL ADA SILL DETAIL
(APPLICABLE WITH ALL DOOR CONDITIONS)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

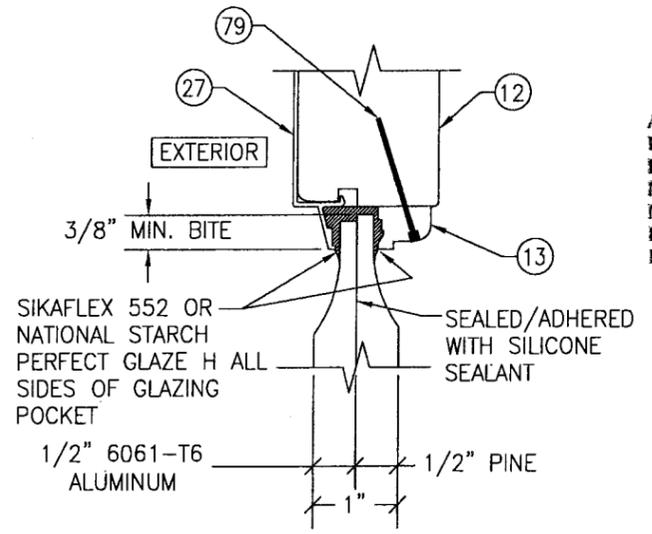
NOTE: THIS ADA SILL WAS NOT TESTED FOR WATER INFILTRATION RESISTANCE & THEREFORE IS ACCEPTABLE ONLY WHEN INSTALLED IN NONHABITABLE AREAS WHERE THE DOOR ASSEMBLY & AREA ARE DESIGNATED TO ACCEPT WATER INFILTRATION OR IF INSTALLED BELOW AN OVERHANG WHERE THE OVERHANG (OH) RATIO IS EQUAL TO OR MORE THAN 1 (OH RATIO = OH LENGTH/OH HEIGHT).



TYPICAL GLAZING DETAIL (RECTANGULAR & EYBROW CONDITIONS)

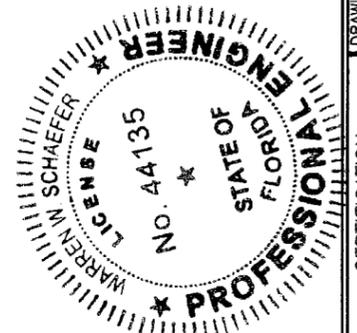


TYPICAL GLAZING DETAIL (ROUND TOP CONDITION)

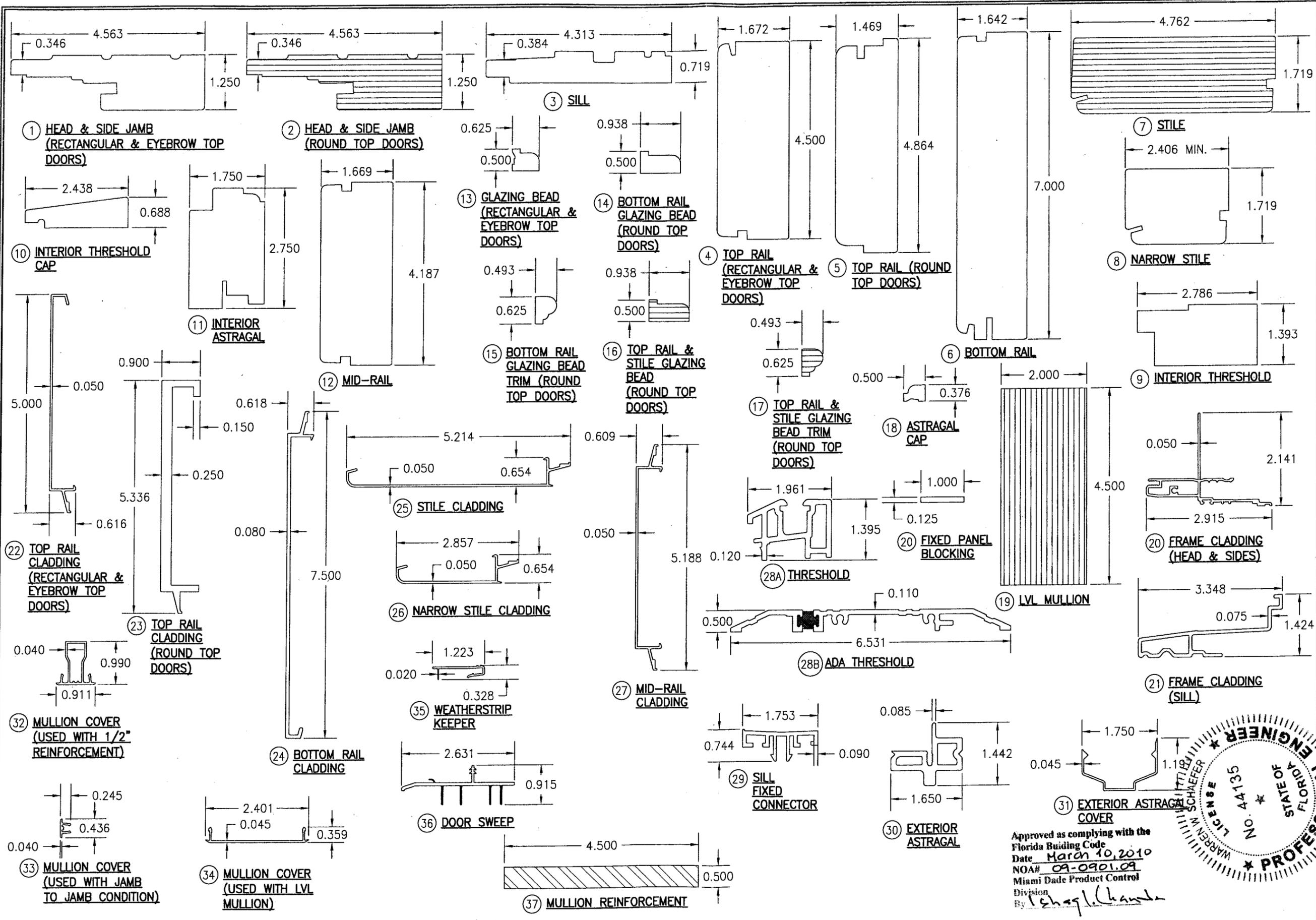


TYPICAL RAISED PANEL GLAZING DETAIL

Approved as complying with the Florida Building Code
Date March 10, 2010
NOA# 09-0901.09
Miami Dade Product Control Division
By Shang L. L...



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 04/30/09	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: 1604 ALUMINUM CLAD OUT-SWING IMPACT DOOR			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: WEATHER SHIELD WINDOWS & DOORS	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
CERTIFICATION: JAN 12 2010		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1568	REV.	SHEET NO. 13 OF 15	



DRAWN BY:	W.R.M.	CHECKED BY:	W.W.S.
PLOT:	1=2	DATE:	04/30/09
NO.	REVISION DESCRIPTION	DATE	BY

DRAWING TITLE
1604 ALUMINUM CLAD OUT-SWING IMPACT DOOR

MANUFACTURER
WEATHER SHIELD WINDOWS & DOORS
 ONE WEATHER SHIELD PLAZA
 MEDFORD, WI 54451
 715-748-6555

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

PROFESSIONAL ENGINEER
 W. W. SCHAEFER
 LICENSE NO. 43153
 STATE OF FLORIDA
 JAN 12 2010

Approved as complying with the Florida Building Code
 Date March 10, 2010
 NOA# 09-0901.09
 Miami Dade Product Control Division
 By Shaghl Chandra

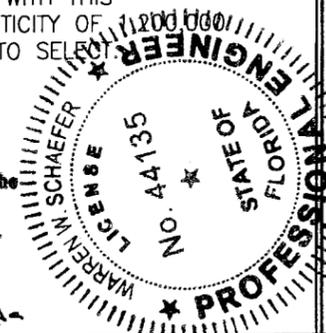
DRAWING NO.	REV.
1568	
SHEET NO.	REV.
14	OF 15

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS		
1	HEAD & SIDE JAMB (RECTANGULAR & EYEBROW TOP DOORS)	WOOD (FINGER JOINTED)
2	HEAD & SIDE JAM (ROUND TOP DOORS)	MICROLLAM LVL BY WEYERHAEUSER (E MIN.=1,900,000 PSI; Fb MIN.=2,600 PSI)
3	SILL	WOOD (FINGER JOINTED)
4	TOP RAIL RECTANGULAR & EYEBROW TOP DOORS	WOOD
5	TOP RAIL (ROUND TOP DOORS)	WOOD
6	BOTTOM RAIL	WOOD
7	STILE	MICROLLAM LVL BY WEYERHAEUSER (E MIN.=1,900,000 PSI; Fb MIN.=2,600 PSI)
8	NARROW STILE	WOOD
9	INTERIOR THRESHOLD	WOOD
10	INTERIOR THRESHOLD CAP	WOOD
11	INTERIOR ASTRAGAL	WOOD
12	MID-RAIL	WOOD
13	GLAZING BEAD (RECTANGULAR & EYEBROW TOP DOORS)	WOOD
14	BOTTOM RAIL GLAZING BEAD (ROUND TOP DOORS)	WOOD
15	BOTTOM RAIL GLAZING BEAD TRIM (ROUND TOP DOORS)	WOOD
16	TOP RAIL & STILE GLAZING BEAD (ROUND TOP DOORS)	MICROLLAM LVL BY WEYERHAEUSER (PER CURRENT N.O.A.) (E MIN.=1,900,000 PSI; Fb MIN.=2,600 PSI)
17	TOP RAIL & STILE GLAZING BEAD TRIM (ROUND TOP DOORS)	MICROLLAM LVL BY WEYERHAEUSER (PER CURRENT N.O.A.) (E MIN.=1,900,000 PSI; Fb MIN.=2,600 PSI)
18	ASTRAGAL CAP	WOOD
19	LVL MULLION	MICROLLAM LVL BY WEYERHAEUSER (PER CURRENT N.O.A.) (E MIN.=1,900,000 PSI; Fb MIN.=2,600 PSI)
20	FRAME CLADDING (HEAD & SIDES)	6063-T5 ALUMINUM
21	FRAME CLADDING (SILL)	6063-T5 ALUMINUM
22	TOP RAIL CLADDING (RECTANGULAR & EYEBROW TOP DOORS)	6063-T5 ALUMINUM
23	TOP RAIL CLADDING (ROUND TOP DOORS)	6063-T5 ALUMINUM
24	BOTTOM RAIL CLADDING	6063-T5 ALUMINUM
25	STILE CLADDING	6063-T5 ALUMINUM
26	NARROW STILE CLADDING	6063-T5 ALUMINUM
27	MID-RAIL CLADDING	6063-T5 ALUMINUM
28A	THRESHOLD	6063-T5 ALUMINUM
28B	ADA THRESHOLD	6063-T5 ALUMINUM
29	SILL FIXED CONNECTOR	VINYL
30	EXTERIOR ASTRAGAL	6063-T5 ALUMINUM
31	EXTERIOR ASTRAGAL COVER	6063-T5 ALUMINUM
32	MULLION COVER (USED WITH 1/2" REINFORCEMENT)	6063-T5 ALUMINUM
33	MULLION COVER (USED WITH JAMB TO JAMB CONDITION)	6063-T5 ALUMINUM
34	MULLION COVER (USED WITH LVL MULLION)	6063-T5 ALUMINUM
35	WEATHERSTRIP KEEPER	VINYL
36	DOOR SWEEP	VINYL
37	MULLION REINFORCEMENT	6061-T6 ALUMINUM

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS		
38	PANEL CORNER REINFORCEMENT BAR (10.100" X 1.000" X .120")	304 S.S. - 1 PER PANEL CORNER
39	HEAD JAMB BACKER PLATE (10.125" X 4.50" X .080")	304 S.S.
40	HEAD STRIKE PLATE (SINGLE DOORS) (2.500" X 1.747" X .090")	304 S.S.
41	HEAD STRIKE PLATE (DOUBLE DOORS) (5.634" X 1.762" X .060")	304 S.S.
42	SILL STRIKE PLATE (SINGLE DOORS) (2.812" X .800" X .120")	304 S.S.
43	SILL STRIKE PLATE (DOUBLE DOORS) (4.000" X 2.817" X .090")	304 S.S.
44	JAMB STRIKE PLATE (SINGLE DOORS) (9.331" X 1.692" X .090")	304 S.S.
HARDWARE		
50	4" X 4" ADJUSTABLE HINGE (STEEL OR S.S.)	SIMONSWERKS; 3D MILLENNIUM
51	4" X 4" BUTT HINGE (STEEL OR S.S.)	HAGER 1191
52	3-POINT MULTI-POINT LOCK (ACTIVE PANEL)	ASHLAND; #XP45
53	2-POINT MULTI-POINT LOCK (INACTIVE PANEL)	ASHLAND; #XP45
54	HANDLE	AS REQ'D TO OPERATE LOCK
SEALS & SEALANTS		
58	BULB WEATHERSTIP	WEATHER SHIELD; VINYL
59	PILE WEATHERSTRIP	ULTRAFAB
60	KERF WEATHERSTRIP	SCHLEGAL QED650
FASTENERS		
65	18 GA. X 1/2" X 1/2" STAPLE	WITHIN 2" FROM ENDS & 7-9" O.C.
66	NO. 8 X 5/8" SMS OR WOOD SCREW	9 PER HEAD JAMB BACKER PLATE
67	NO. 8 X 1 1/4" WOOD SCREW	4 PER CORNER REINFORCEMENT PLATE
68	NO. 8 X 5/8" SMS OR WOOD SCREW	2 PER STRIKE
69	18 GA. X 1/2" X 1" STAPLE (2 ROWS)	WITHIN 1" FROM ENDS & 2" O.C.
70	NO. 8 X 1 3/4" WOOD SCREW	WITHIN 6" FROM ENDS & 8" O.C.
71	NO. 8 X 1 1/4" WOOD SCREW	4 PER ADJUSTABLE HINGE INTO STILE
72	NO. 8 X 5/8" SMS OR WOOD SCREW	2 PER ADJUSTABLE HINGE INTO JAMB
73	NO. 14 X 1 1/4" WOOD SCREW	4 PER BUTT HINGE INTO STILE
74	NO. 14 X 1 1/4" WOOD SCREW CUT DOWN TO 3/4" LONG AFTER INSTALL	2 PER BUTT HINGE INTO JAMB
75	NO. 8 X 2 1/2" WOOD SCREW	WITHIN 6" FROM ENDS & 10" O.C.
77	NO. 8 X 1 3/4" P.H. WOOD SCREW	WITHIN 4" FROM ENDS & 8" O.C.
78	NO. 8 X 3" WOOD SCREW	WITHIN 2" FROM ENDS & 6" O.C.
79	F16 X 1 1/2" BRAD NAIL	WITHIN 2" FROM CORNERS & 8"-10" O.C.
80	NO. 8 X 5/8" SMS OR WOOD SCREW	WITHIN 2" FROM ENDS & 4-8" O.C.

NOTE: WOOD USED IN TESTING WAS PINE WITH A SPECIFIC GRAVITY OF G = 0.43 AND A MODULUS OF ELASTICITY OF E = 1,200,000 PSI. OTHER WOOD SPECIES APPLICABLE FOR USE WITH THIS PRODUCT ARE THOSE WITH A SPECIFIC GRAVITY OF 0.43 AND MODULUS OF ELASTICITY OF 1,200,000 PSI OR GREATER. ALL WOOD IS MINIMUM GRADE 2 MILLED BY WEATHER SHIELD TO SELECTED SPECIFICATIONS.

Approved as complying with the
Florida Building Code
Date March 10, 2010
NOA# 09-0901.09
Miami Dade Product Control
Division
By Isaac L. Hernandez



DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 04/30/09
NO.	REVISION DESCRIPTION
DATE	BY
1604 ALUMINUM CLAD OUT-SWING IMPACT DOOR MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
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	
DRAWING TITLE 1604 ALUMINUM CLAD OUT-SWING IMPACT DOOR	
DRAWING NO. 1568 SHEET NO. 15 OF 15	