



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

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

NOTICE OF ACCEPTANCE (NOA)

**EFCO Corporation
1000 County Road
Monett, MO 65708**

SCOPE:

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

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

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

DESCRIPTION: Series 3014 Aluminum Sliding Glass Door-w & w/o Reinforcement-Small Missile Impact

APPROVAL DOCUMENT: Drawing No. 96-1219-04, dated 03/28/01, with revision #B dated 7/29/02, titled "S-3014 Sliding Glass Door (Small Missile Impact)", sheets 1 through 5, 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: Small Missile Impact Resistant

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 revises NOA # 00-1031.01 and consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Manuel Perez, P.E.**



**NOA No 02-0722.01
Expiration Date: October 02, 2005
Approval Date: March 27, 2003
Page 1**

EFCO Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **96-1219-04**, Sheets 1 through 5 of 5, titled "S-3014 Sliding Glass Door (Small Missile Impact)" dated 03/28/01 with revision B dated 7/29/02, 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 PA 202-94
 - 2) Uniform Static Air Pressure Test, Loading per PA 202-94
 - 3) Water Resistance Test, per PA 202-94
 - 4) Small Missile Impact Test per SFBC, PA 201-94,
 - 5) Cyclic Wind Pressure Loading per SFBC, PA 203-94
 - 6) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94along with marked-up drawings and installation diagram of a series 3014 aluminum sliding glass door with and without reinforcement, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0046-0819-96**, dated from 08/27/96 to 10/02/96, signed and sealed by Timothy S. Marshall, P.E.

C. CALCULATIONS

1. Anchor Calculations and structural analysis, prepared by EfcO Corporation, dated 10/15/96, 6/3/97 and revised on 2/8/01, signed and sealed by Richard DiBlasi, P.E.
2. Anchor Calculations, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 6/6/01, signed and sealed by Warren W. Schaefer, P.E.

D. MATERIAL CERTIFICATIONS

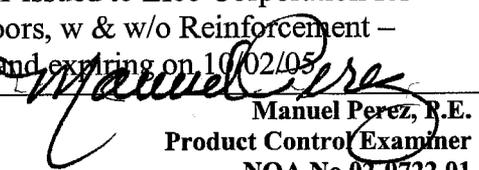
1. Notice of Acceptance No. **00-0614.09** issued to Viracon, Inc. for their "HRG-2 Laminated Glass" dated 11/02/00, expiring on 10/16/03.

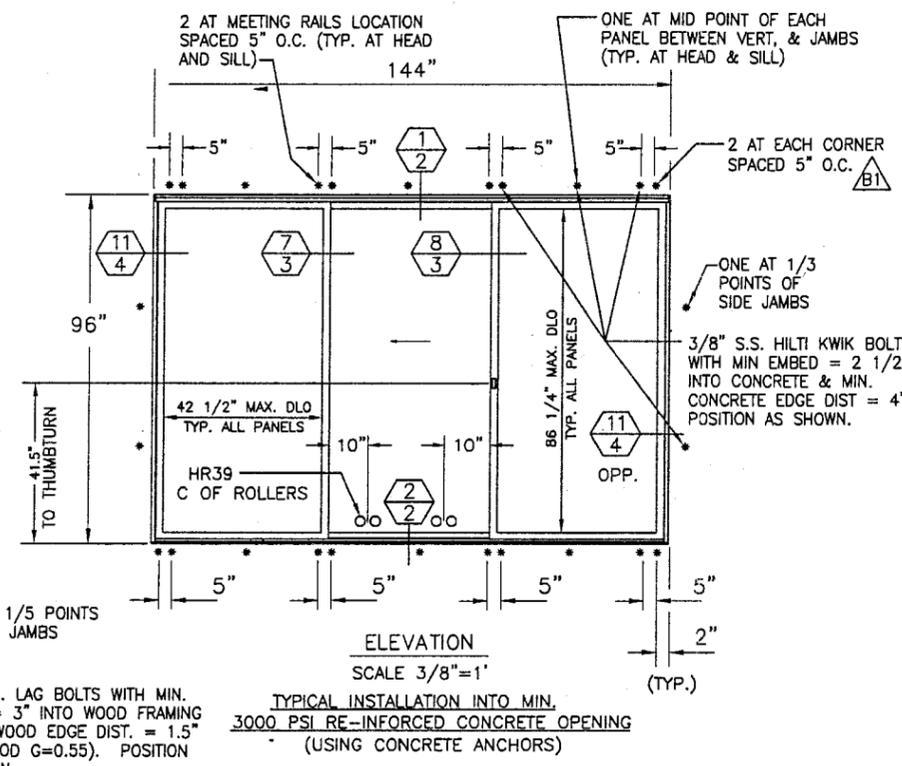
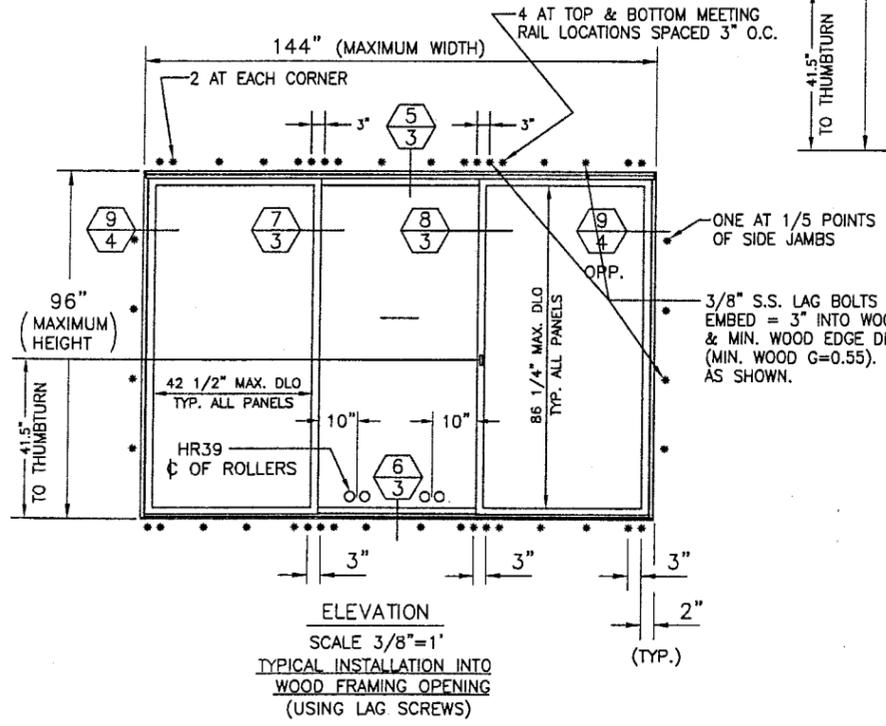
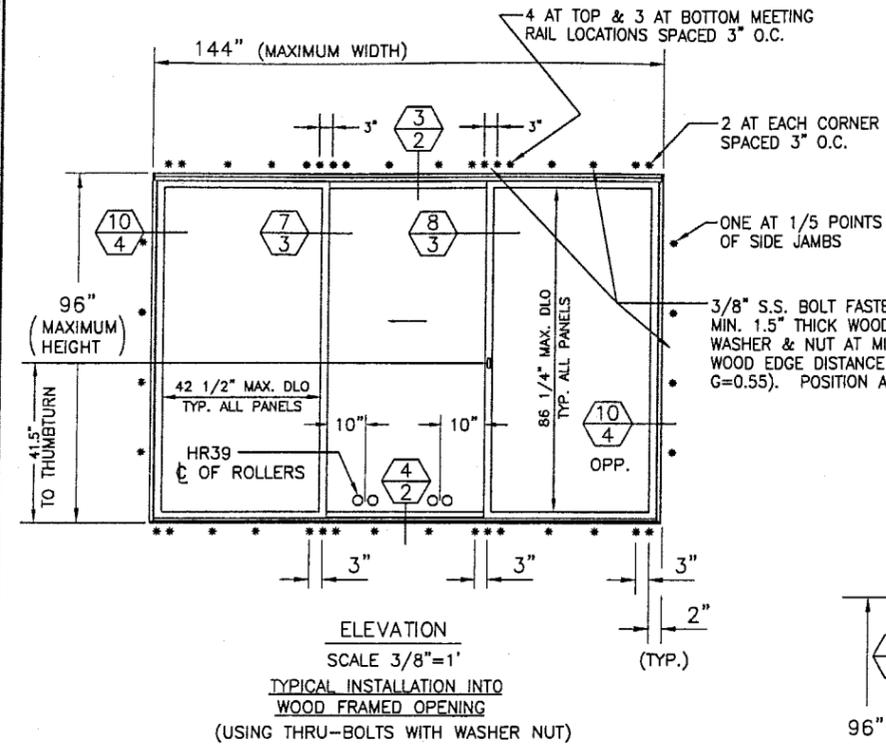
E. STATEMENTS

1. Statement letter of conformance, dated October 31, 1996, signed by Richard DiBlasi, P.E.
2. Statement letter of no financial interest, dated October 25, 1996, signed by Steve Cantrell.
3. Letter stating that the product has not changed and that the engineer is still in business, dated October 26, 2000, signed by Steve Cantrell.

F. OTHERS

1. Copy of Notice of Acceptance No. **00-1031.01** issued to EfcO Corporation for their Series 3014 Aluminum Sliding Glass Doors, w & w/o Reinforcement – Small Missile Impact, approved on 07/05/01 and expiring on 10/02/05


Manuel Perez, P.E.
Product Control Examiner
NOA No 02-0722.01
Expiration Date: October 02, 2005
Approval Date: March 27, 2003



DESIGN PRESSURE (NO REINFORCEMENT)	
POSITIVE	NEGATIVE
55 PSF	55 PSF

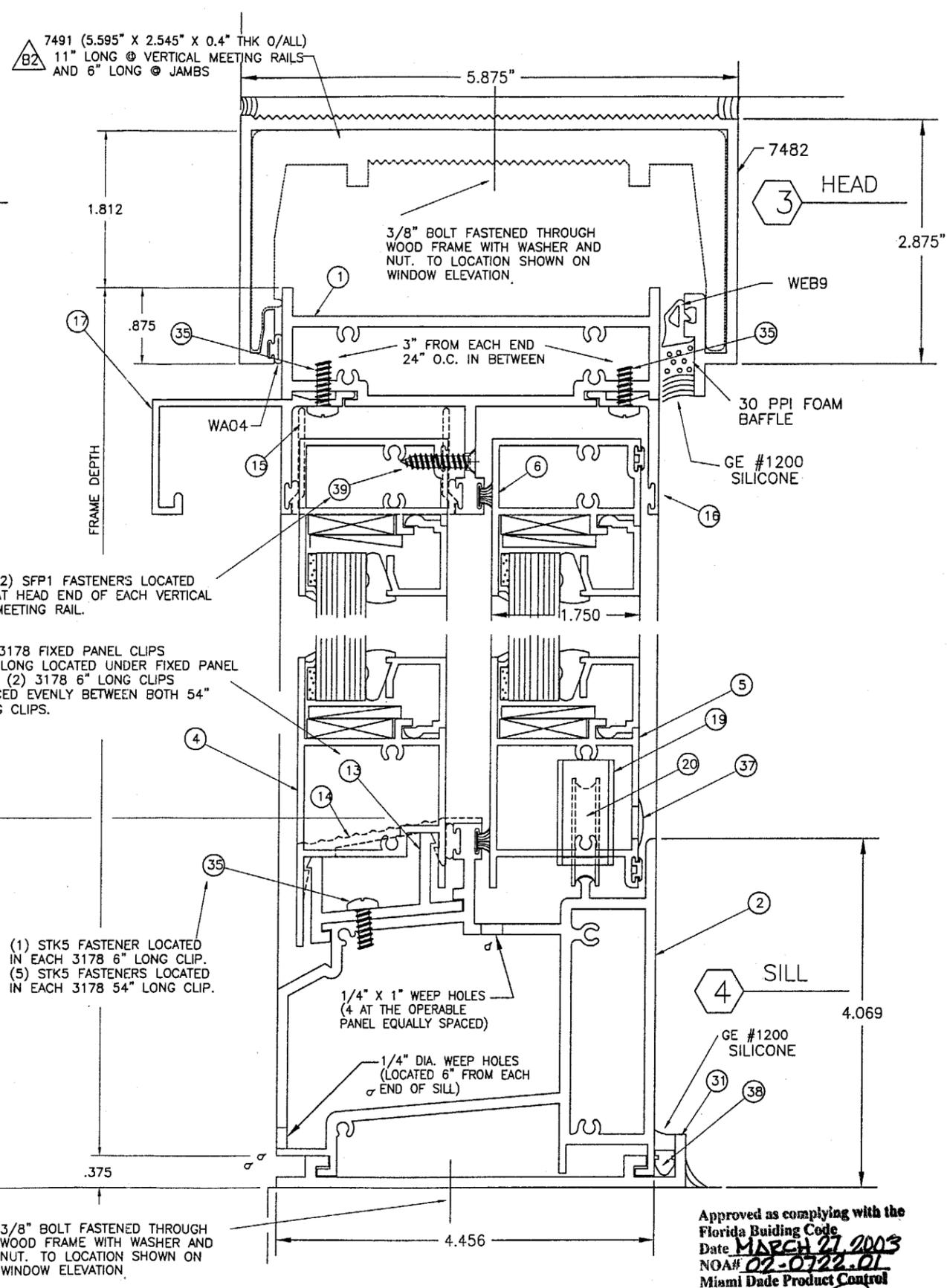
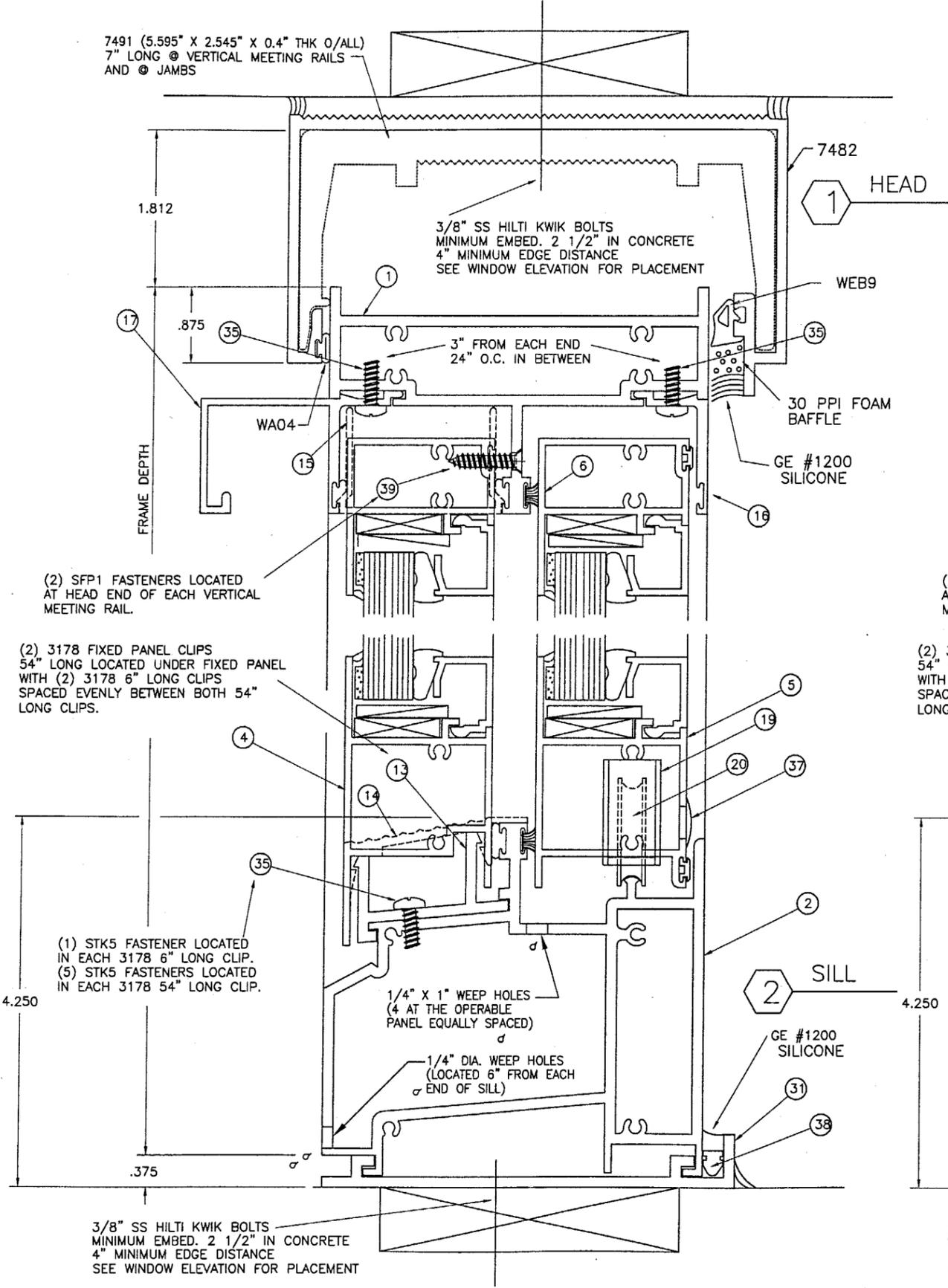
DESIGN PRESSURE (W/STEEL REINF.)	
POSITIVE	NEGATIVE
100 PSF	100 PSF

ITEM	# REQD	PART #	DESCRIPTION	MFG.
1	1	3200	HEAD (5.875 X 2.875 X 0.125 O/ALL)	EFCO
2	1	3201	SILL (4.456 X 4.108 X 0.125 O/ALL)	EFCO
3	2	3202	JAMB (4.456 X 1.375 X 0.08 O/ALL)	EFCO
4	2	3211	LOWER FIX PANEL RAIL (1.75 X 3.35 X 0.08 O/ALL)	EFCO
5	2	3210	LOWER SASH RAILS (1.75 X 2.671 X 0.08 O/ALL)	EFCO
6	2	3209	UPPER SASH RAILS (1.75 X 1.823 X 0.08 O/ALL)	EFCO
7	1	3204	SASH MEET. RAILS (2.002 X 4.299 X 0.125 O/ALL)	EFCO
8	1	3170	FIXED PANEL MEET RAIL (2.189 X 2.174 X 0.15 O/ALL)	EFCO
9	12	3765	GLAZ. BEAD (0.71 X 0.938 X 0.08 O/ALL)	EFCO
10	AS REQD	WEB4	DRIVE-IN WEDGE	TREMCO
11	3	HBB1	JAMB CAMS	ENGINEERED POLYMERS
12	3	STC6	#6-18 x 3/8" PL TH SMS	
13	1	3178	FIXED PANEL CLIP	EFCO
14	1	3179	THRESHOLD	EFCO
15	1	3182	HEAD CLOSURE	EFCO
16	1	3150	HEAD CLOSURE	EFCO
17	1	3151	HEAD CLOSURE	EFCO
18	1	HSQ2	SOBINCO HARDWARE	BRONZE CRAFT
19	2	HR39	SASH ROLLERS	REFLECTOLITE
20	4	SFQ2	#6-18 x 1/2" PL FH SMS	
21	1	HSQ3	SOBINCO THUMBTURN	BRONZE CRAFT
22	4	MFG3	#10-24 x 1 3/4" PL OH	
23	AS REQD	WF02	TRI-SEAL WSTP	ULTRAFAB
24	AS REQD		0.125 X 0.375 BUTYL GLAZING TAPE	TREMCO
25	1 PAIR	HO68	FRAME GASKET (HEAD)	REED RUBBER
26	1 PAIR	HO69	FRAME GASKET (SILL)	REED RUBBER
27	4	LB32	SASH GUIDES	CENTRAL PLASTICS
28	40	SLQ3	#8-18 x 1 1/4" PL PH	
29	AS REQD	JJ42	3/16" CAP BEAD DC795	DOW CORNING
30	7	MTU1	#10-24 x 3/8" PL TH	
31	1	3184	SUBSILL (4.831 X 0.625 X 0.125 O/ALL)	EFCO
32	1	3896	KEEPER	EFCO
33	1	3897	HARDWARE HOUSING	
34	1	HB12	SASH STOP 6" LENGTH	CENTRAL PLASTICS
35	6	STK5	#10-16 x 3/4" PL PH TEK	
36	1	3171	MEET. RAIL CLOSURE	EFCO
37	2	IQS1	HOLE PLUGS (3/8")	HEYCO
38	1	WNA1	ARROW SHIM	TREMCO
39	4	SFP1	#10-12 x 1" PL FH	
40	1	3208	SASH SIDE RAIL 3.348 X 4.75 X 0.08 O/ALL)	EFCO
41	1	3205	MEETING RAIL (2.315 X 4.456 X 0.125 O/ALL)	EFCO
42	1	3937	MEET RAIL CLOSURE (0.615 X 1.924 X 0.125 O/ALL)	EFCO
43	AS REQD		SILICONE GE#1200	GE

NOTE: FRAME AND DOOR MATERIAL ARE ALUMINUM 6063-T6
 FRAME CORNER ASSEMBLY - MILLED AND MECHANICALLY ASSEMBLED.
 SASH CORNER ASSEMBLY - MILLED AND MECHANICALLY ASSEMBLED.

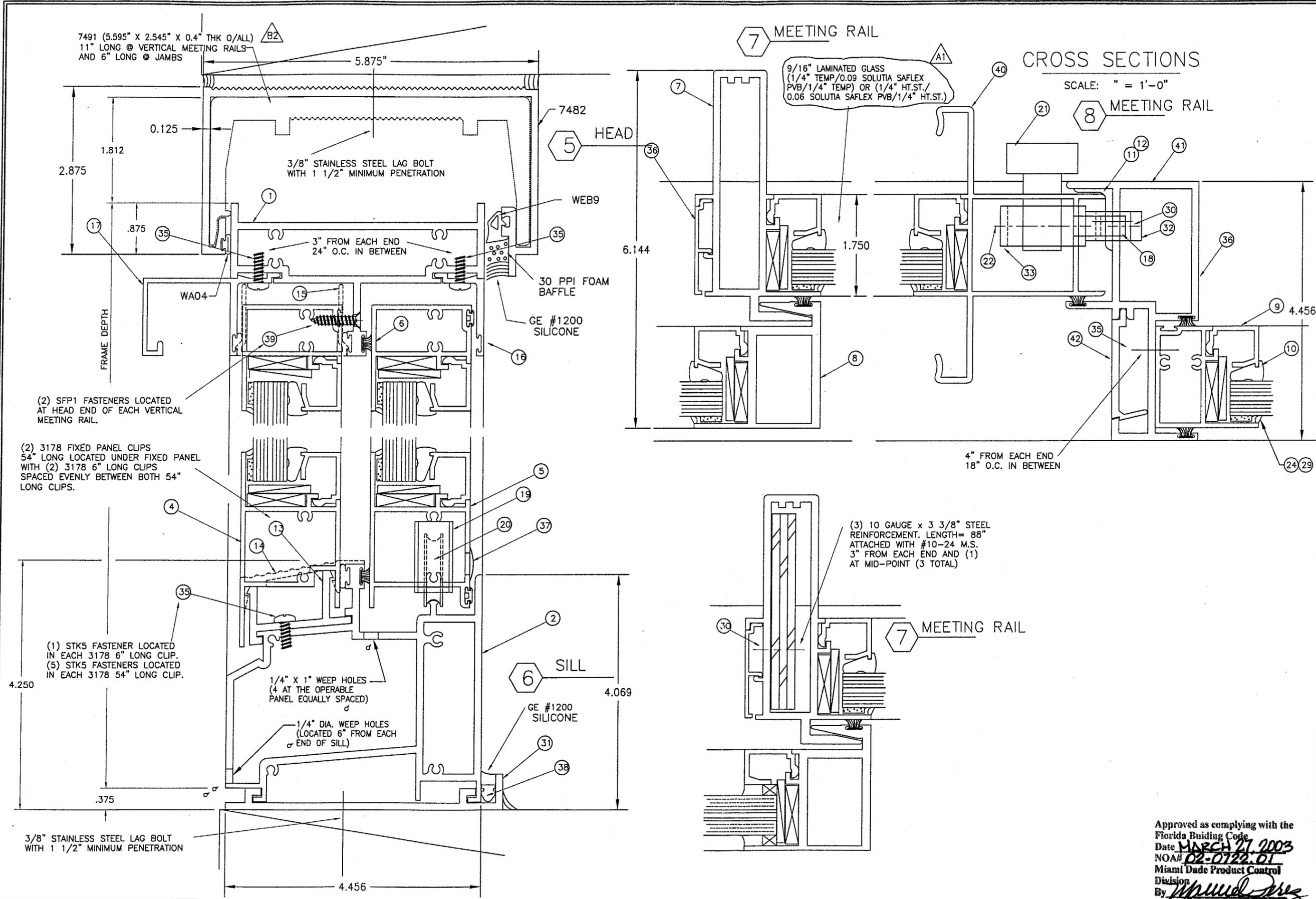
Approved as complying with the Florida Building Code
 Date **MARCH 27, 2003**
 NOA# **02-0722.01**
 Miami Dade Product Control Division
 By *Manuel Perez*

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
DATE: 7/29/02	DATE: 03/28/01
NO.:	REVISION DESCRIPTION:
B1	ANCHOR SPACING
DRAWING TITLE S-3014 SLIDING GLASS DOOR (SMALL MISSILE IMPACT)	
MANUFACTURER EFCO CORPORATION	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	
600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	
DRAWING NO. 96-1219-04	
REV. B	
SHEET NO. 1 OF 5	



Approved as complying with the
 Florida Building Code
 Date **MARCH 27, 2003**
 NOA# **02-0722-01**
 Miami Dade Product Control
 Division
 By *Warren Schaefer*

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=1.5		DATE: 03/28/01	
NO.	REVISION DESCRIPTION	BY	DATE
B2	PART 7491 LENGTH	WWS	07/29/02
DRAWING TITLE S-3014 SLIDING GLASS DOOR (SMALL MISSILE IMPACT)			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER EFCO CORPORATION	
600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903		1000 COUNTY ROAD, P.O. BOX 609 MONETT, MO 65708-0609 800-221-4169	
CERTIFICATION MAR 04 2003		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 96-1219-04		REV. B	
SHEET NO. 2		OF 5	



DRAWN BY:	W.W.S.	CHECKED BY:	W.W.S.
PLOT:	1=1.5	DATE:	03/28/01
NO.	REVISION DESCRIPTION	BY	DATE
A1	ADDED GLASS OPTION OF 0.06 INNER LAYER W/HEAT STRENGTHENED GLASS	WWS	06/19/02
B2	PART 7491 LENGTH	WWS	07/29/02

DRAWING TITLE: S-3014 SLIDING GLASS DOOR (SMALL MISSILE IMPACT)

MANUFACTURER: EFCO CORPORATION
 1000 COUNTY ROAD, P.O. BOX 609
 MONETT, MO 65708-0609
 800-221-4169

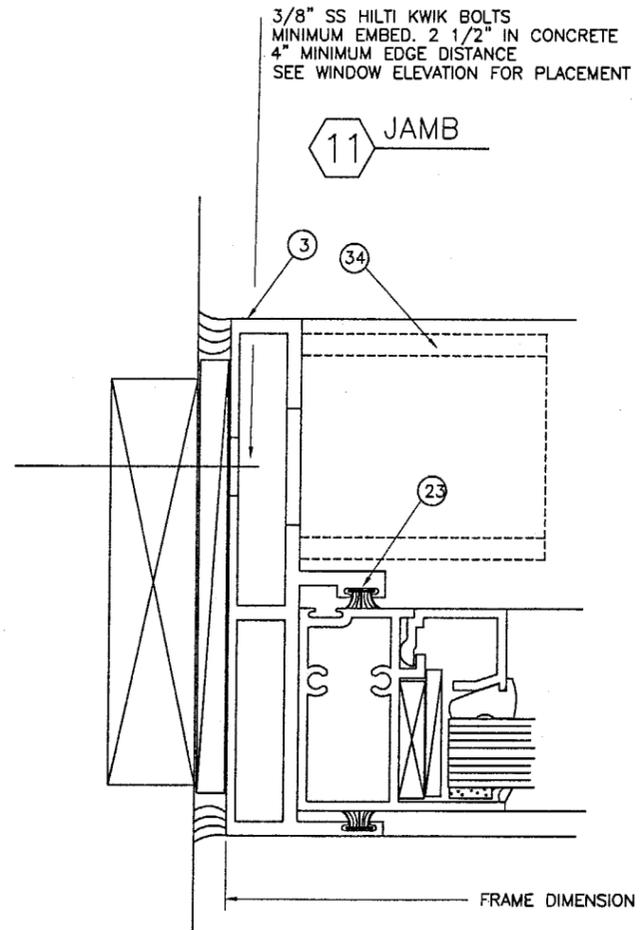
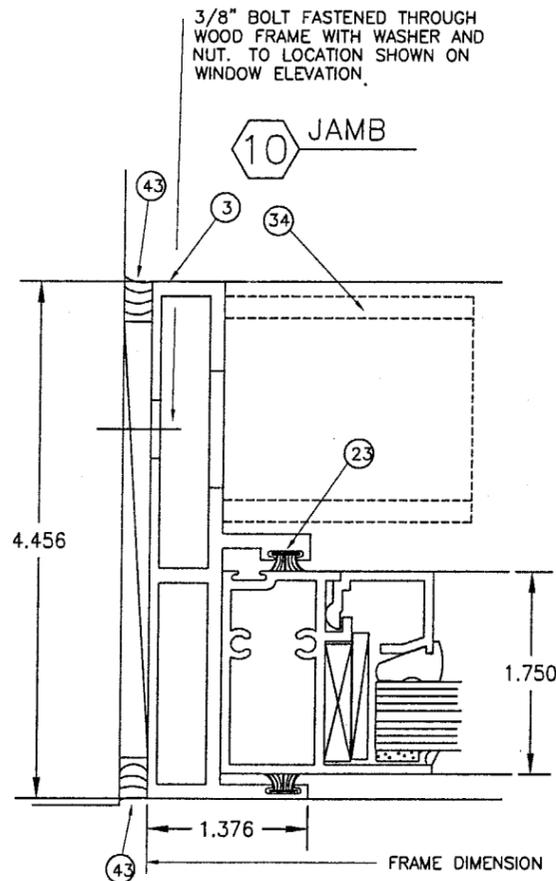
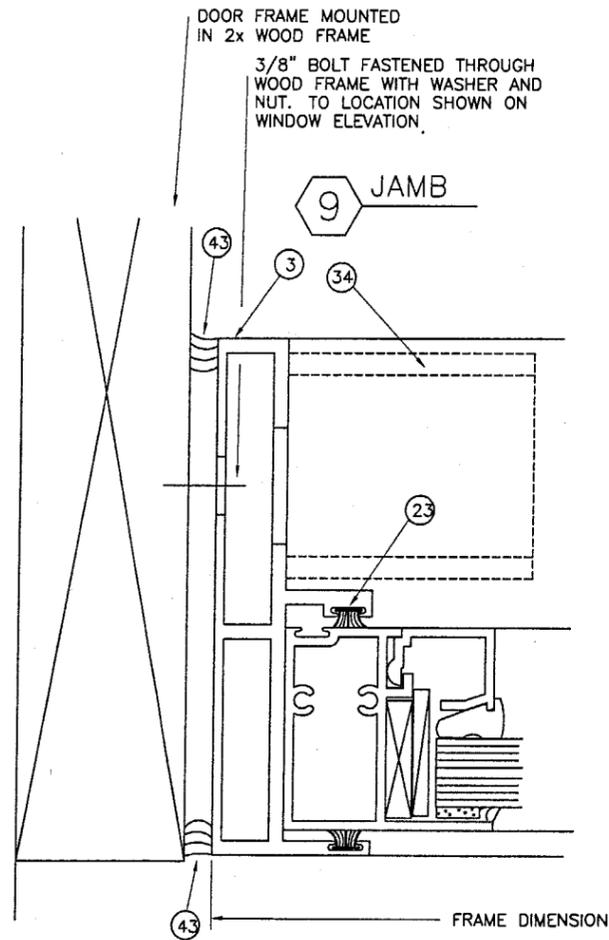
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
 800 SANDTREE DRIVE, SUITE 203B
 PALM BEACH GARDENS, FL 33403
 PHONE: 561-775-4902 FAX: 561-775-4903

CERTIFICATION: MAR 04 2003
 WARREN W. SCHAEFER, P.E.
 P.E. NO. 44135

DRAWING NO.	REV.
96-1219-04	B
SHEET NO.	
3	OF 5

Approved as complying with the Florida Building Code
 Date: MARCH 27 2003
 NOA# 02-0722-01
 Miami Dade Product Control
 Division
 By: *[Signature]*

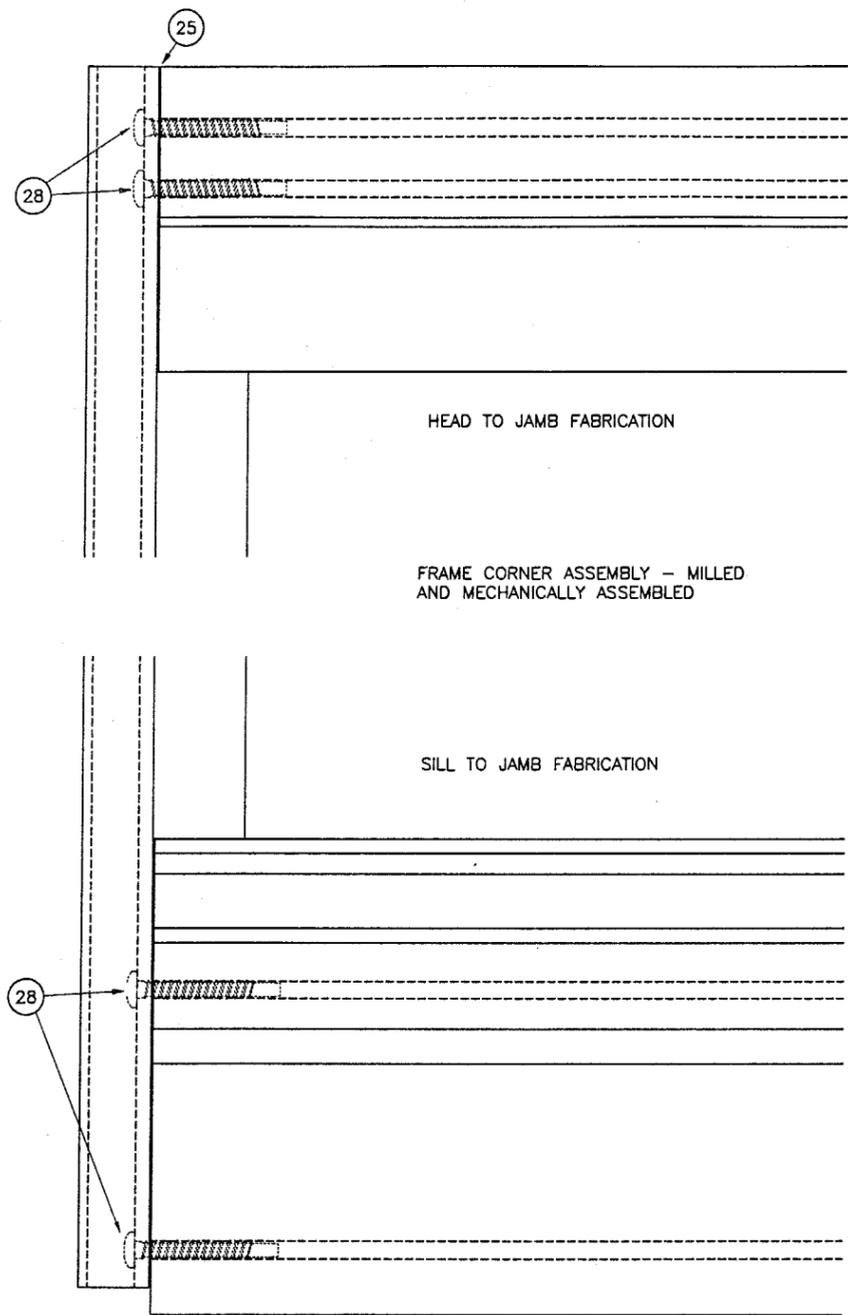
W.W. SCHAEFER JOB NO. 1041



W.W. SCHAEFER JOB NO. 1041

Approved as complying with the
 Florida Building Code
 Date MARCH 27, 2003
 NOA# 02-0724-01
 Miami Dade Product Control
 Division
 By Manuel Perry

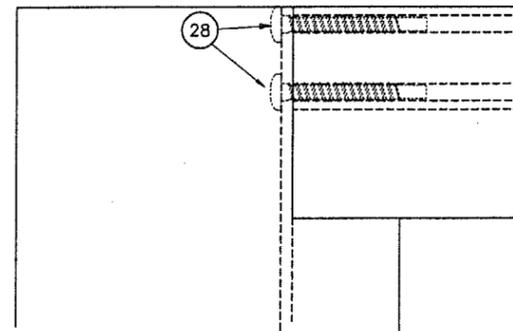
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PLOT: 1=1.5		DATE: 03/28/01	
NO.	REVISION DESCRIPTION	BY	DATE
B	NO CHANGE		
DRAWING TITLE S-3014 SLIDING GLASS DOOR (SMALL MISSILE IMPACT)			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903		MANUFACTURER EFCO CORPORATION 1000 COUNTY ROAD, P.O. BOX 609 MONETT, MO 65708-0609 800-221-4169	
CERTIFICATION <u>MAR 04 2003</u> WARREN W. SCHAEFER, P.E. P.E. NO. 44135		DRAWING NO. 96-1219-04	REV. B
SHEET NO. 4		OF 5	



HEAD TO JAMB FABRICATION

FRAME CORNER ASSEMBLY - MILLED
AND MECHANICALLY ASSEMBLED

SILL TO JAMB FABRICATION



SASH CORNER ASSEMBLY - MILLED
AND MECHANICALLY ASSEMBLED

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=1.5	DATE: 03/28/01
NO.	REVISION DESCRIPTION
B	NO CHANGE
BY	DATE

DRAWING TITLE
S-3014 SLIDING GLASS DOOR (SMALL MISSILE IMPACT)

CONSULTANTS
**W. W. SCHAEFER ENGINEERING
& CONSULTING, P.A.**
600 SANDTREE DRIVE, SUITE 203B
PALM BEACH GARDENS, FL 33403
PHONE: 561-775-4902 FAX: 561-775-4903

MANUFACTURER
EFCO CORPORATION
1000 COUNTY ROAD, P.O. BOX 609
MONETT, MO 65708-0609
800-221-4169

CERTIFICATION
MAR 04 2003

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

Approved as complying with the
Florida Building Code
Date **MARCH 27, 2003**
NOA# **02-0722-01**
Miami Dade Product Control
Division
By *Manuel Perez*

DRAWING NO. 96-1219-04	REV. B
SHEET NO. 5	OF 5