



**MIAMI-DADE**  
**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 Florida Building Code, including the High Velocity Hurricane Zone.

**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 C1 dated 10/21/03, titled "S-3014 Sliding Glass Door (Small Missile Impact)", sheets 1 through 5 of 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 Revision stamp with the Notice of Acceptance number and expiration 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 # **02-0722.01** and consists of this page 1, and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



*Manuel Perez*

**NOA No 03-1113.02**  
**Expiration Date: October 02, 2005**  
**Approval Date: January 15, 2004**  
**Page 1**

**EFCO Corporation**

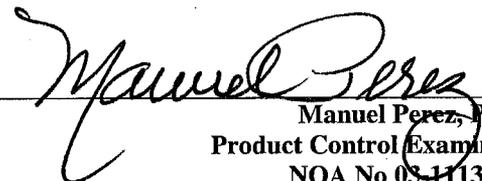
**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **96-1219-04**, dated 03/28/01, with revision C1 dated 10/21/03, titled "S-3014 Sliding Glass Door (Small Missile Impact)", sheets 1 through 5 of 5, 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 TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per TAS 202-94
  - 3) Water Resistance Test, per TAS 202-94
  - 4) Small Missile Impact Test per SFBC, TAS 201-94,
  - 5) Cyclic Wind Pressure Loading per SFBC, TAS 203-94
  - 6) Forced Entry Test, per SFBC 3603.2 (b) and TAS 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.
2. Test reports on
  - 1) Uniform Static Air Pressure Test, Loading per TAS 202-94
  - 2) Forced Entry Test, per SFBC 3603.2 (b) and TAS 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 -0046-0418-02**, dated 06/12/03, signed and sealed by Vinu J. Abraham, P.E. *Submitted under NOA# 02-0722.01*
3. Test reports on
  - 1) Uniform Static Air Pressure Test, Loading per TAS 202-94
  - 2) Forced Entry Test, per SFBC 3603.2 (b) and TAS 202-94
  - 3) Large Missile Impact Test per FBC, TAS 201-94along 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 -0046-0524-03**, dated 06/12/03, signed and sealed by Vinu J. Abraham, P.E. *Submitted under NOA# 02-0722.01*



Manuel Perez, P.E.  
Product Control Examiner  
NOA No 02-1113.02

Expiration Date: October 02, 2005  
Approval Date: January 15, 2004

**EFCO Corporation**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**C. CALCULATIONS**

1. Anchor Calculations, ASTM-E1300-98, 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. ***Submitted under NOA# 02-0722.01***
2. Anchor Calculations, ASTM-E1300-98, and structural analysis, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 6/6/01, signed and sealed by Warren W. Schaefer, P.E. ***Submitted under NOA# 02-0722.01***

**D. QUALITY ASSURANCE**

1. Miami-Dade County Building Code Compliance Office

**E. MATERIAL CERTIFICATIONS**

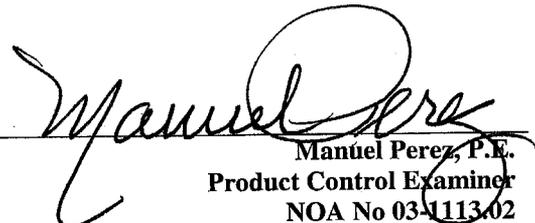
1. Notice of Acceptance No. **00-0614.09** issued to Viracon, Inc. for their "HRG-2 Laminated Glass" dated 11/02/00, expiring on 10/16/03. ***Submitted under NOA# 02-0722.01***

**F. STATEMENTS**

1. Laboratory compliance letter, as part of the above referenced test reports, issued by Hurricane Test Laboratory, Inc, **HTL -0046-0524-03 and HTL-0046-0418-02**, dated 06/12/03.

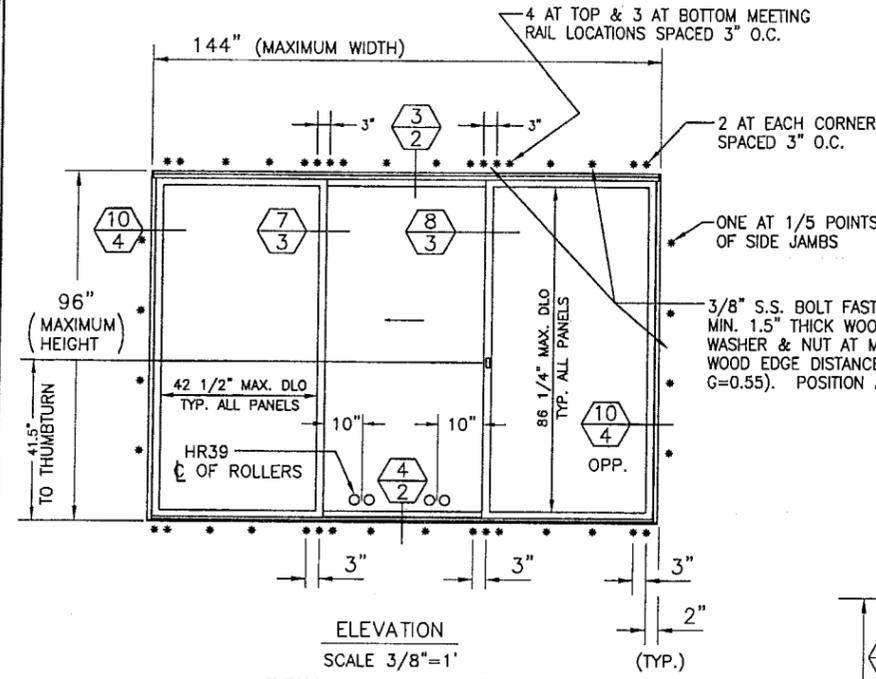
**G. OTHERS**

1. Letter from the consultant stating that the product is in compliance with Florida Building Code (FBC).
2. Notice of Acceptance No. **02-0722.01**, issued to EFCO Corporation for their Series 3014 Aluminum Sliding Glass Door-w & w/o Reinforcement – Small Missile, approved on 03/27/03 and expiring on 10/02/05.

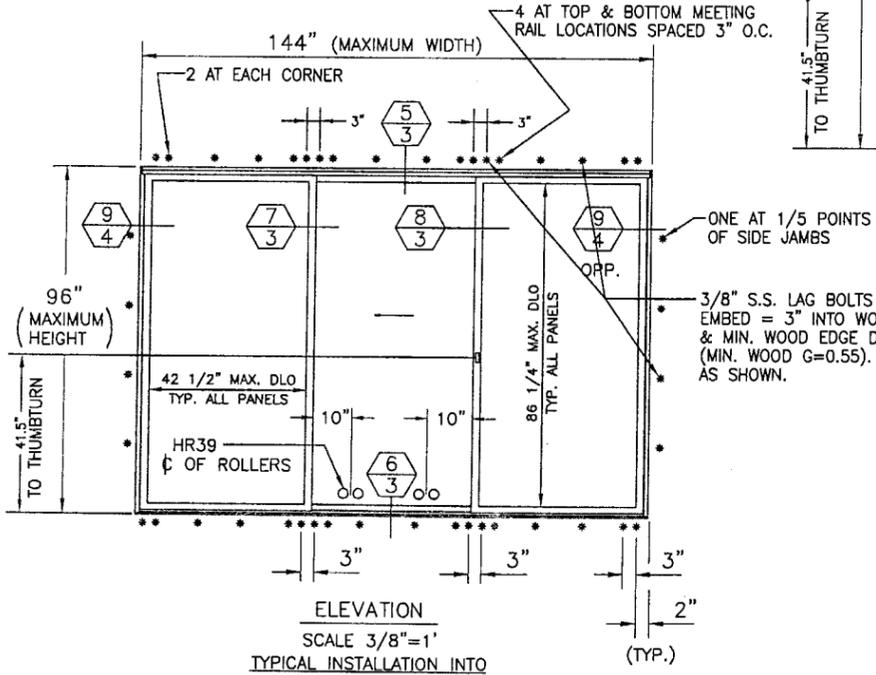


Manuel Perez, P.E.  
Product Control Examiner  
NOA No 03-1113.02

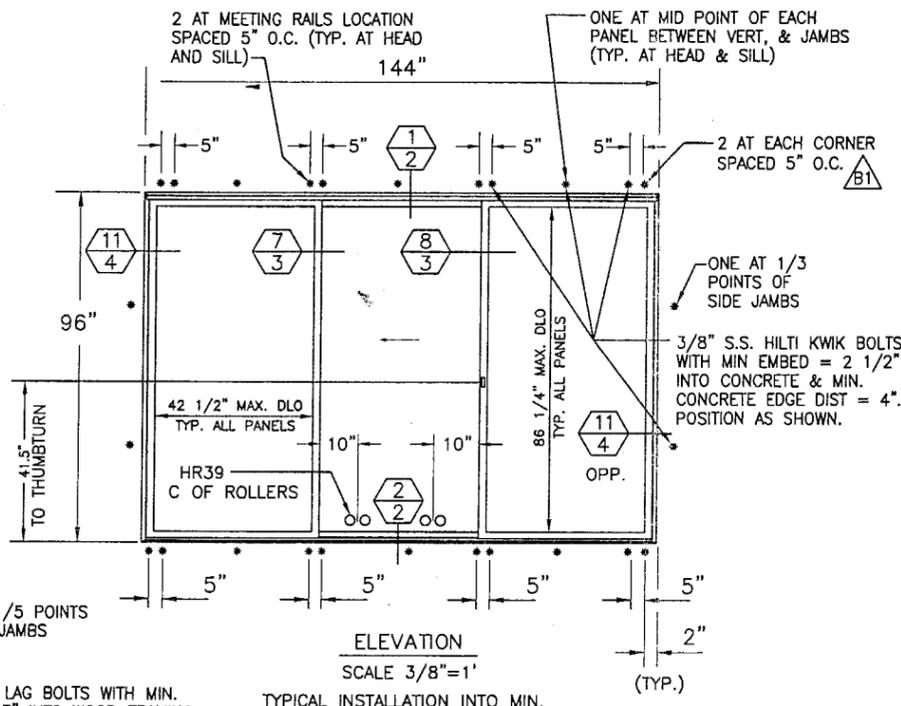
Expiration Date: October 02, 2005  
Approval Date: January 15, 2004



ELEVATION  
SCALE 3/8"=1'  
TYPICAL INSTALLATION INTO  
WOOD FRAMED OPENING  
(USING THRU-BOLTS WITH WASHER NUT)



ELEVATION  
SCALE 3/8"=1'  
TYPICAL INSTALLATION INTO  
WOOD FRAMED OPENING  
(USING LAG SCREWS)



ELEVATION  
SCALE 3/8"=1'  
TYPICAL INSTALLATION INTO MIN.  
3000 PSI RE-INFORCED CONCRETE OPENING  
(USING CONCRETE ANCHORS)

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

ALTERNATE LOCK HARDWARE: "SASH CONTROL" LOCK ASSEMBLY PART #HSS5 & KEEPER PART #HSTO

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

**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No. **03-1113.02**  
Expiration Date **OCT 2, 2005**  
By *Manuel Perez*  
Miami Dade Product Control Division

DRAWN BY: W.W.S. PLOT: 1=1.5 DATE: 7/29/02 BY: WWS NO. REVISION DESCRIPTION: B1 ANCHOR SPACING, C1 ADDED ALT. LOCK HARDWARE DATE: 10/21/03 CHECKED BY: W.W.S. DATE: 03/28/01	<b>S-3014 SLIDING GLASS DOOR (SMALL MISSILE IMPACT)</b> 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. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903
CERTIFICATION: OCT 28 2003	DRAWING NO.: 96-1219-04 REV.: C SHEET NO.: 1 OF 5	WARRICK JR. SCHAEFER, P.E. P.E. NO. 44135

DRAWN BY: W.W.S. CHECKED BY: W.W.S.  
 PLOT: 1=1.5 DATE: 03/28/01

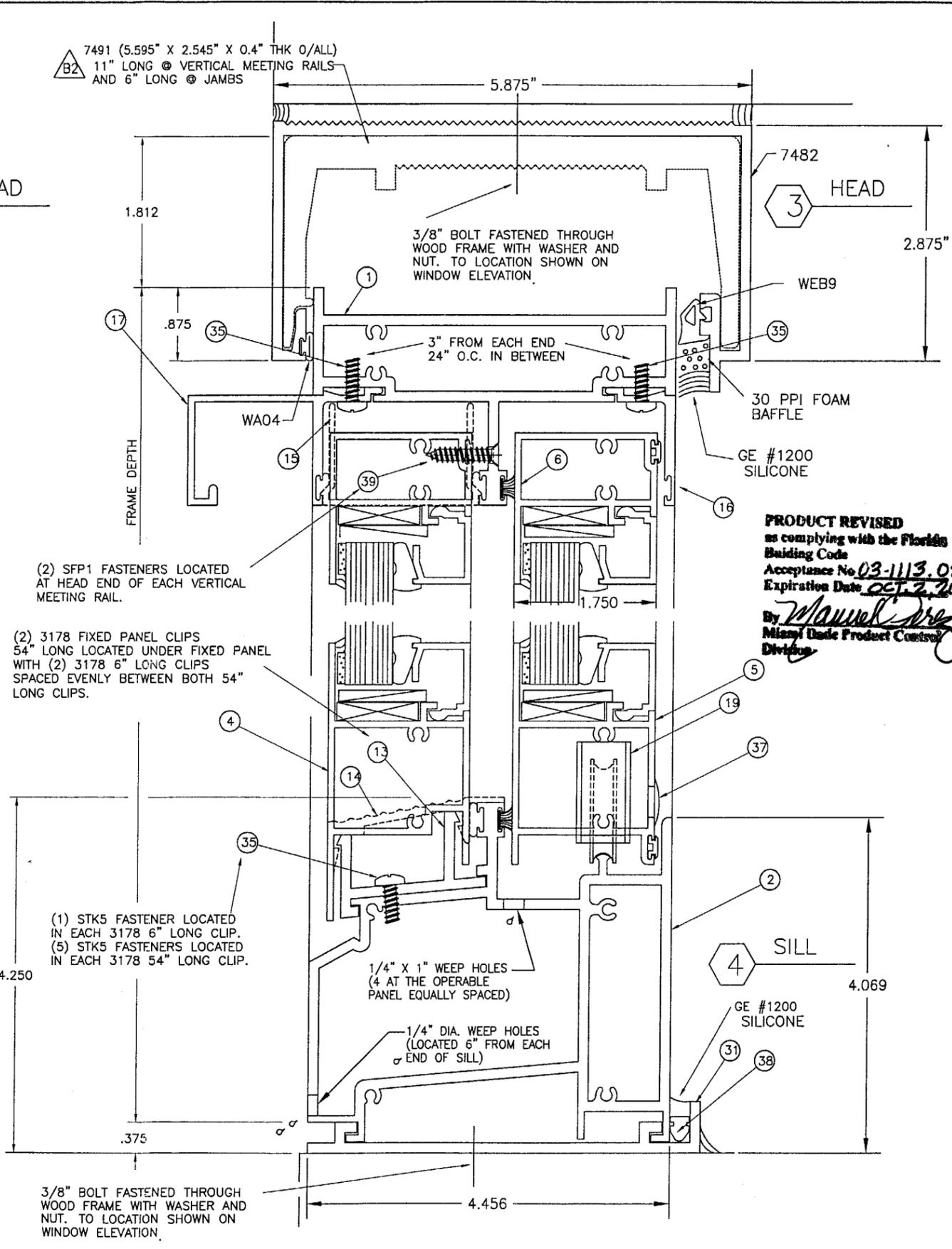
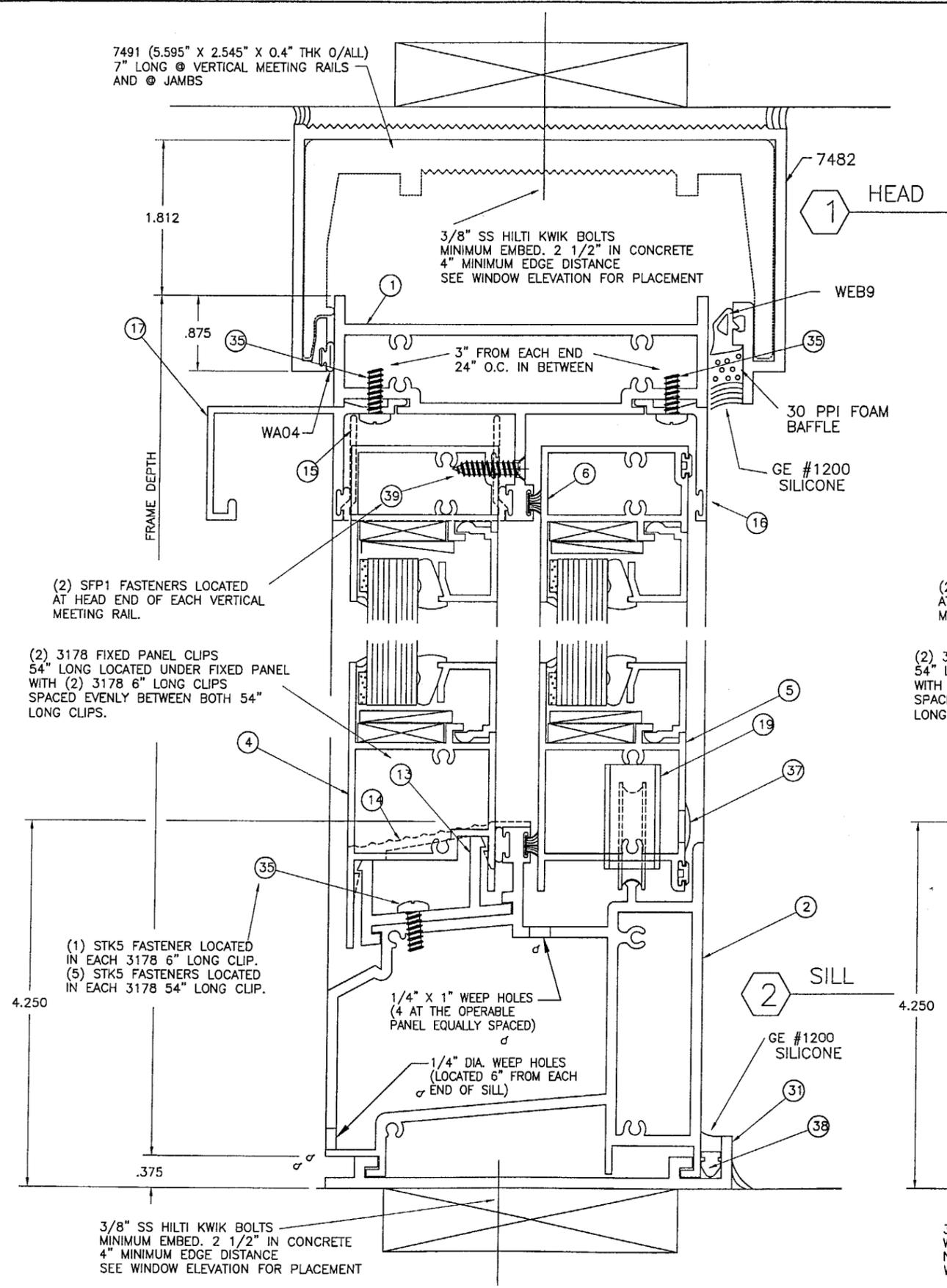
NO.	REVISION DESCRIPTION	DATE	BY
B2	PART 7491 LENGTH	07/29/02	WWS

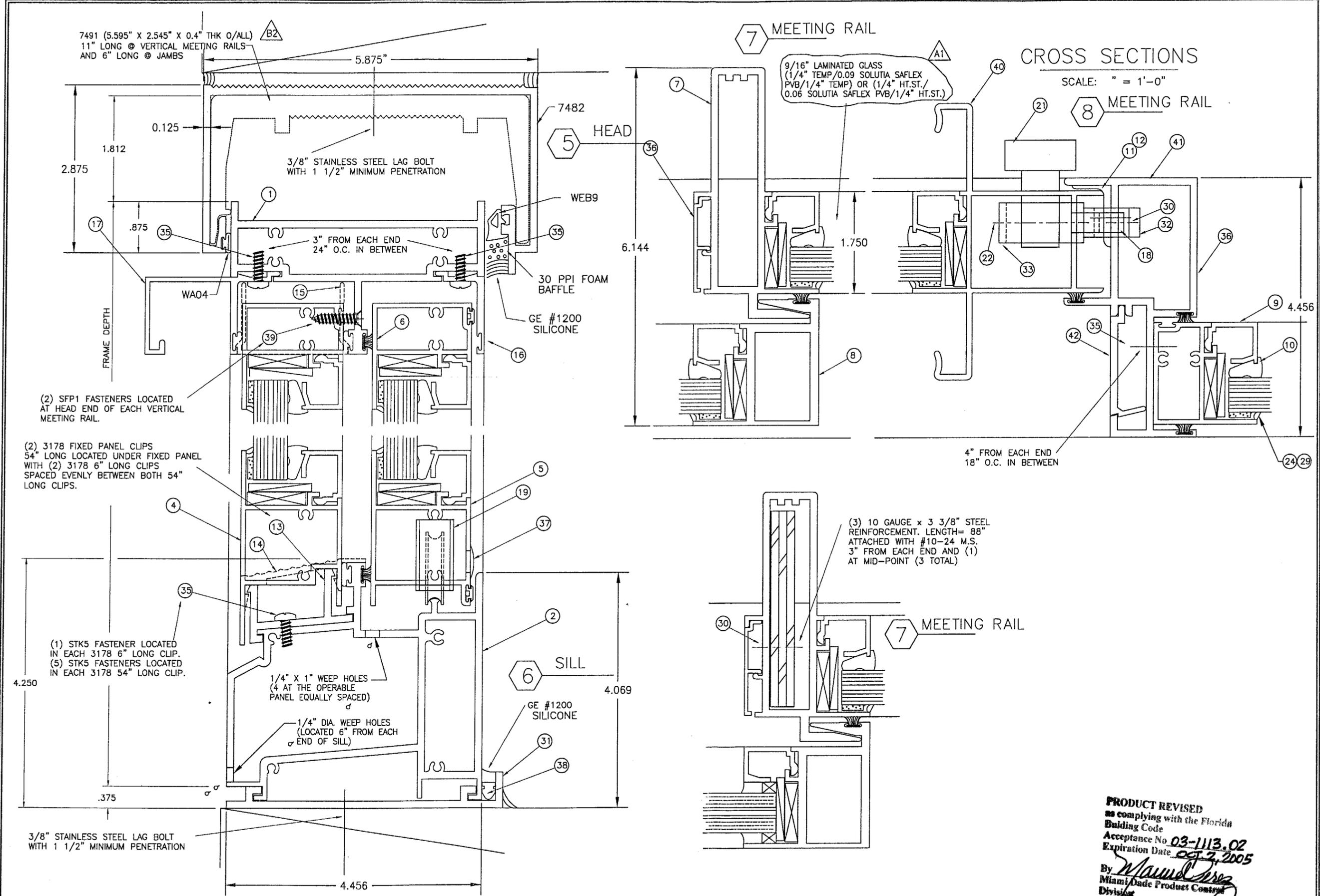
DRAWING TITLE: S-3014 SLIDING GLASS DOOR (SMALL MISSILE IMPACT)  
 MANUFACTURER: EFCO CORPORATION  
 1000 COUNTY ROAD, P.O. BOX 609  
 MONETT, MO 65708-0609  
 800-221-4169

CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.  
 8855 N. MILITARY TRAIL, SUITE C-204  
 PALM BEACH GARDENS, FL 33410  
 PHONE: 561-775-4902 FAX: 561-775-4903

CERTIFICATION: OCT 28 2003  
 WARREN W. SCHAEFER, P.E.  
 P.E. NO. 44135

DRAWING NO. 96-1219-04 REV. C  
 SHEET NO. 2 OF 5





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.  
8895 N. MILITARY TRAIL, SUITE C-204  
PALM BEACH GARDENS, FL 33410  
PHONE: 561-775-4902 FAX: 561-775-4903

**CERTIFICATION**  
OCT 28 2003

By *Warren W. Schaefer*  
Miami Dade Product Control Division

**DRAWING NO.**  
96-1219-04

**REV.**  
C

**SHEET NO.**  
3 OF 5

**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No. 03-1113.02  
Expiration Date: OCT 2, 2005

W.W. SCHAEFER JOB NO. 1041

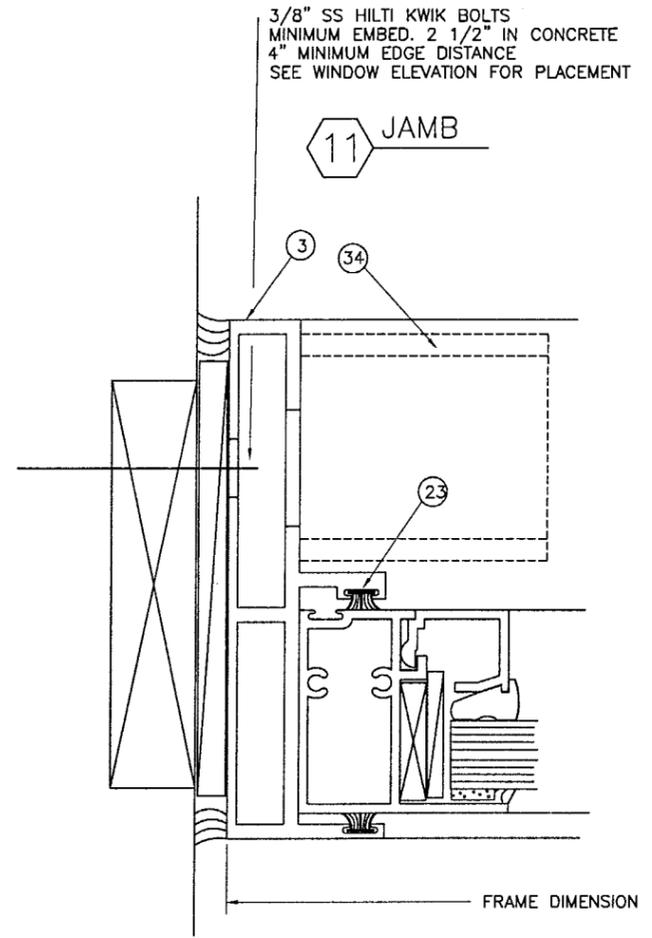
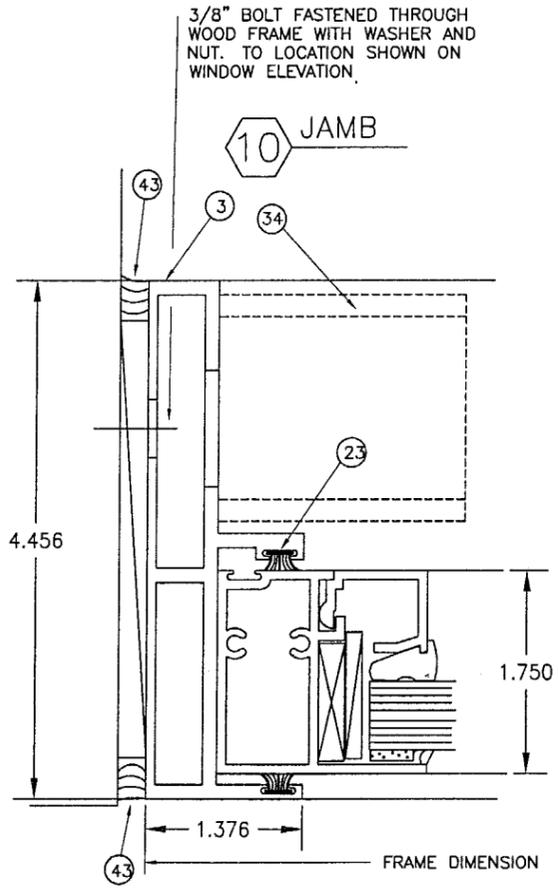
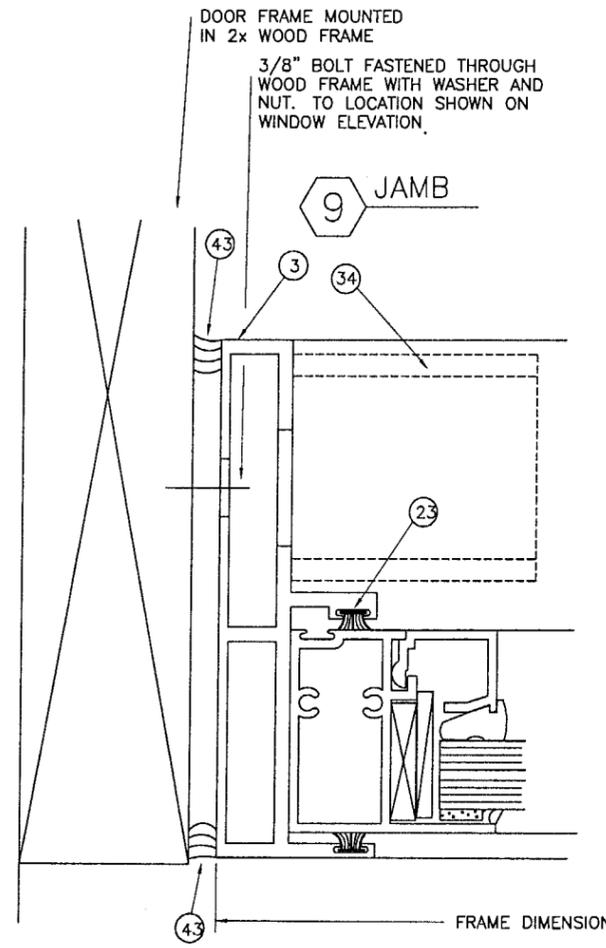
NO.	REVISION DESCRIPTION	BY	DATE
B	NO CHANGE		

DRAWN BY: W.W.S.  
 CHECKED BY: W.W.S.  
 PLOT: 1=1.5  
 DATE: 03/28/01

DRAWING TITLE: S-3014 SLIDING GLASS DOOR (SMALL MISSILE IMPACT)  
 CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.  
 MANUFACTURER: EFCO CORPORATION  
 1000 COUNTY ROAD, P.O. BOX 609  
 MONETT, MO 65708-0609  
 800-221-4169

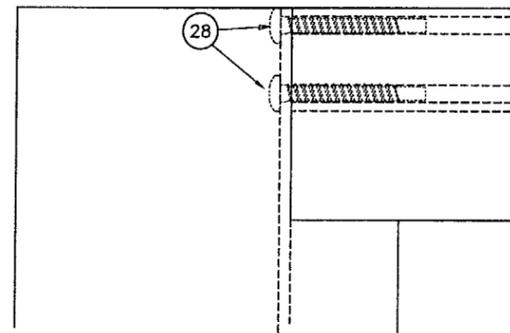
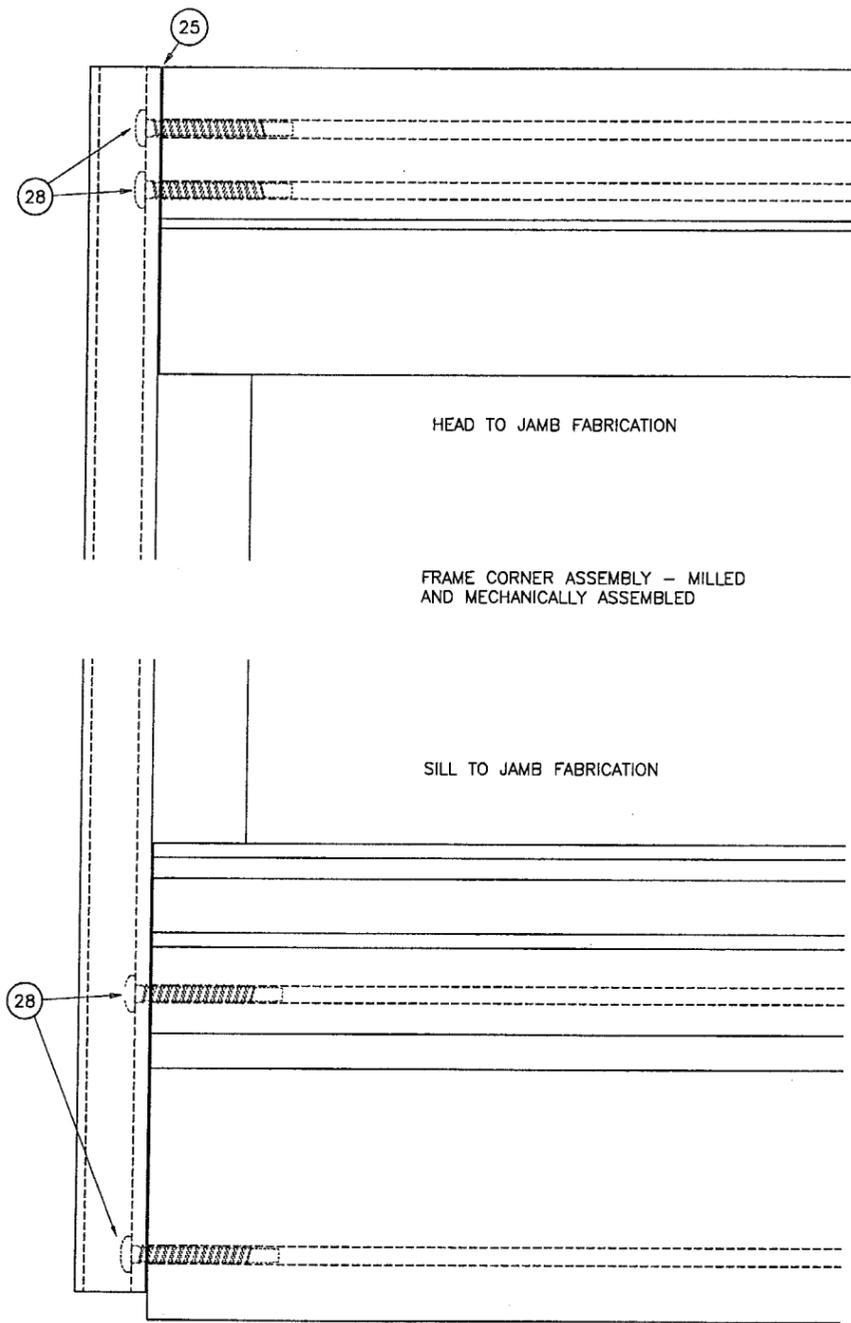
CERTIFICATION  
 OCT 28 2003  
 WARREN W. SCHAEFER, P.E.  
 P.E. NO. 44135

DRAWING NO.	REV.
96-1219-04	C
SHEET NO.	
4	OF 5



**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 03-1113.02  
 Expiration Date OCT. 2, 2005  
 By *Manuel Perez*  
 Miami Dade Product Control  
 Division

W.W. SCHAEFER JOB NO. 1041



SASH CORNER ASSEMBLY - MILLED AND MECHANICALLY ASSEMBLED

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. *03-1113.02*  
 Expiration Date *06/30/2005*  
 By *Manuel May*  
 Miami Trade Product Control  
 Division

W.W. SCHAEFER JOB NO. 1041

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=1.5		DATE: 03/28/01	
NO.	REVISION DESCRIPTION	BY	DATE
B	NO CHANGE		
DRAWING TITLE <b>S-3014 SLIDING GLASS DOOR (SMALL MISSILE IMPACT)</b>			
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b> 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		MANUFACTURER <b>EFCO CORPORATION</b> 1000 COUNTY ROAD, P.O. BOX 609 MONETT, MO 65708-0609 800-221-4169	
CERTIFICATION <b>OCT 28 2003</b> <i>[Signature]</i> WARREN W. SCHAEFER, P.E. P.E. NO. 44135		DRAWING NO. <b>96-1219-04</b>	
SHEET NO. <b>5</b>		REV. <b>C</b>	
© 1996, 2001, 2003 EFCO CORPORATION ALL RIGHTS RESERVED			