



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.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

Fulton Windows
275 Britannia Road East
Mississauga, Ontario-Canada L4Z2E7

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 "1300-4F" Aluminum Fixed Window-Impact Resistant

APPROVAL DOCUMENT: Drawing No. 1429, titled "4" Direct Glazed Fixed Window (Large Missile Impact)", sheets 1 through 5 of 5, dated 06/28/05, 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

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 **Jaime D. Gascon, P.E.**



J. Gascon
7/12/06

NOA No 06-0124.04
Expiration Date: August 03, 2011
Approval Date: August 03, 2006

Fulton Windows

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturers die drawings and sections.
2. Drawing No. **1429**, titled "4" Direct Glazed Fixed Window (Large Missile Impact)", sheets 1 through 5 of 5, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 06/28/05, 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, TAS202-94.
3) Water Resistance Test, per FBC, TAS 202-94.
4) Large Missile Impact Test, per FBC, TAS 201-94.
5) Cyclic Wind Pressure Loading Test, per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94.

along with marked-up drawings and installation diagram of aluminum fixed, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0376-1001-04 and HTL-0376-1206-04**, dated from 10/03/04-11/23/04, signed and sealed by Vinu J Abraham, P.E.

C. CALCULATIONS

1. Anchor Calculation and Structural analysis, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 11/28/05, signed and sealed by Warren W. Schaefer, P.E.
Complies with ASTM E1300-02

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

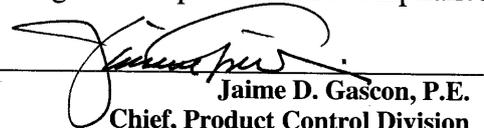
1. Notice of Acceptance No. **03-0415.13** issued to **Solutia Inc.** for "Vanceva Composites" dated 12/11/03, expiring on 12/11/08.
2. Notice of Acceptance No. **03-0514.15** issued to **Oldcastle Glass, Inc.** for "Storm Glass used for lamination glass" dated 12/11/03, expiring on 12/11/08.
3. Notice of Acceptance No. **01-1204.01** issued to **E.I. DuPont DeNemours** for "Sentry Glass ® Plus" dated 01/17/02, expiring on 01/14/07.

F. STATEMENTS

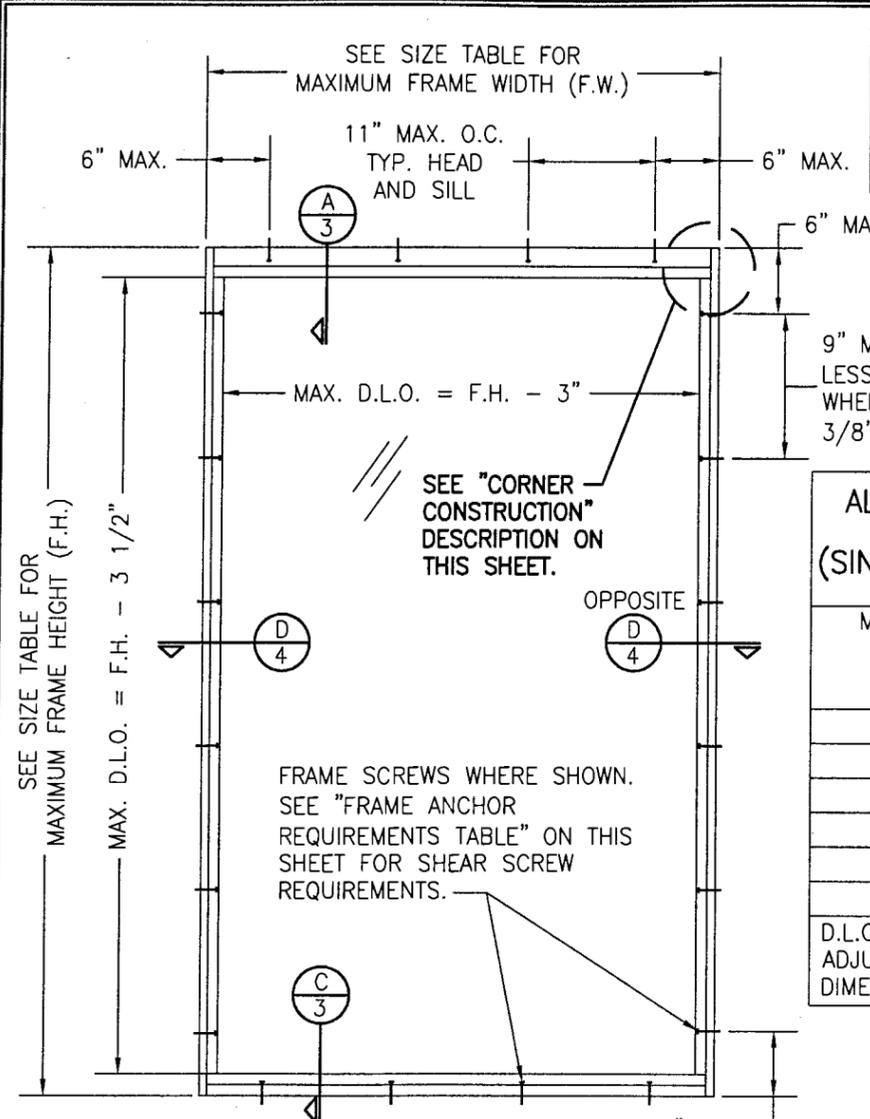
1. Statement letter of conformance and no financial interest, dated 11/28/05 signed and sealed by Warren W. Schaefer, P.E.

G. OTHER

1. Letter from the consultant, dated 07/05/06, stating that the product is in compliance with the Florida Building Code (FBC).


Jaime D. Gascon, P.E.
Chief, Product Control Division

NOA No 06-0124.04
Expiration Date: August 03, 2011
Approval Date: August 03, 2006



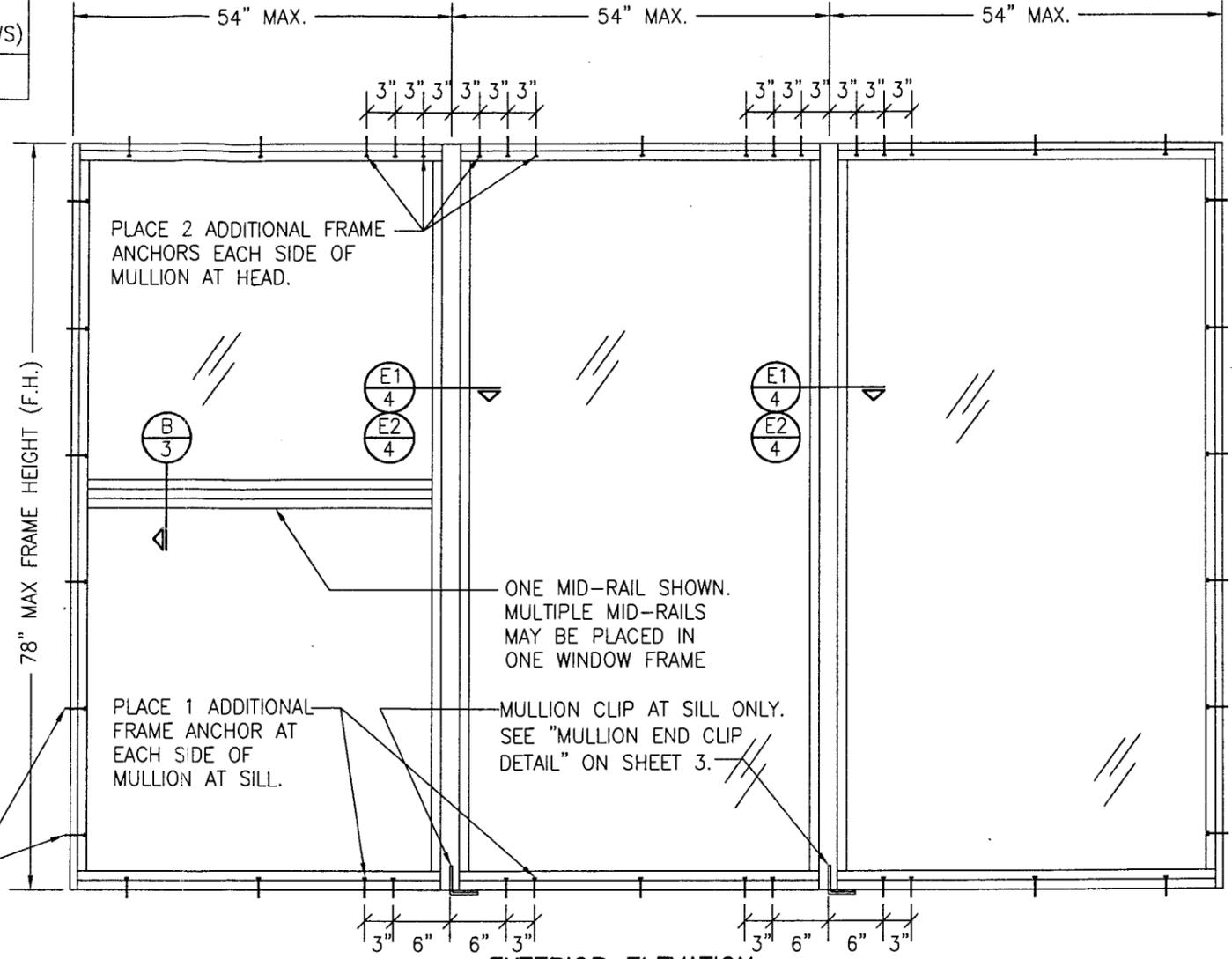
**EXTERIOR ELEVATION
FIXED WINDOW
WITH NO HEAD RECEPTOR**
SCALE: 3/4"=1'-0"

**ALLOWABLE DESIGN
PRESSURE**
(SINGLE & MULTIPLE WINDOWS)
+/-105 PSF

**ALLOWABLE WINDOW
SIZE TABLE
(SINGLE WINDOWS ONLY)**

MAXIMUM FRAME HEIGHT (IN)	MAXIMUM FRAME WIDTH (IN)
78	54
84	50
90	46
96	44
108	39
120	35

D.L.O DIMENSIONS WILL ADJUST ACCORDING TO FRAME DIMENSIONS.



**EXTERIOR ELEVATION
MULTIPLE FIXED WINDOWS
WITH NO HEAD RECEPTOR**
SCALE: 3/4"=1'-0"

(FOR DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATION)

3 WINDOWS SHOWN; MORE THAN 3 WINDOWS MAY BE PLACED INTO ONE OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT THE WINDOWS.

CORNER CONSTRUCTION

HEAD FRAME TO SIDE JAMB: HEAD FRAME IS BUTTED TO SIDE JAMB, SEALED WITH SILICONE & SECURED WITH 3 NO. 8 X 1" S.S. SMS SCREWS THROUGH SIDE JAMB INTO HEAD FRAME SCREW SPLINES.
SILL TO SIDE JAMB: SILL FRAME IS BUTTED TO SIDE JAMB, SEALED WITH SILICONE & SECURED WITH 3 NO. 8 X 1" S.S. SMS SCREWS THROUGH SIDE JAMB INTO HEAD FRAME SCREW SPLINES.
FIXED RAIL END: RAIL END BUTTS TO SIDE JAMB, IS SEALED WITH SILICONE & SECURED WITH 6 NO. 8 X 1" S.S. SMS SCREWS THROUGH JAMB INTO RAIL SCREW SPLINES.

FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	JAMB TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
MIN. 2X4 WOOD BUCK OR FRAMING	NO. 14 S.S. SMS SCREW	1 3/8"	1"
MIN. 16 GA 33 KSI METAL STUD	(2) 1/4"-20 SELF DRILL/TAPPING SCREW	FULL	1/2"
MIN. 1/8" 36 KSI STEEL	(2) 1/4"-20 SELF DRILL/TAPPING SCREW	FULL	1/2"
(3) CMU/CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2"

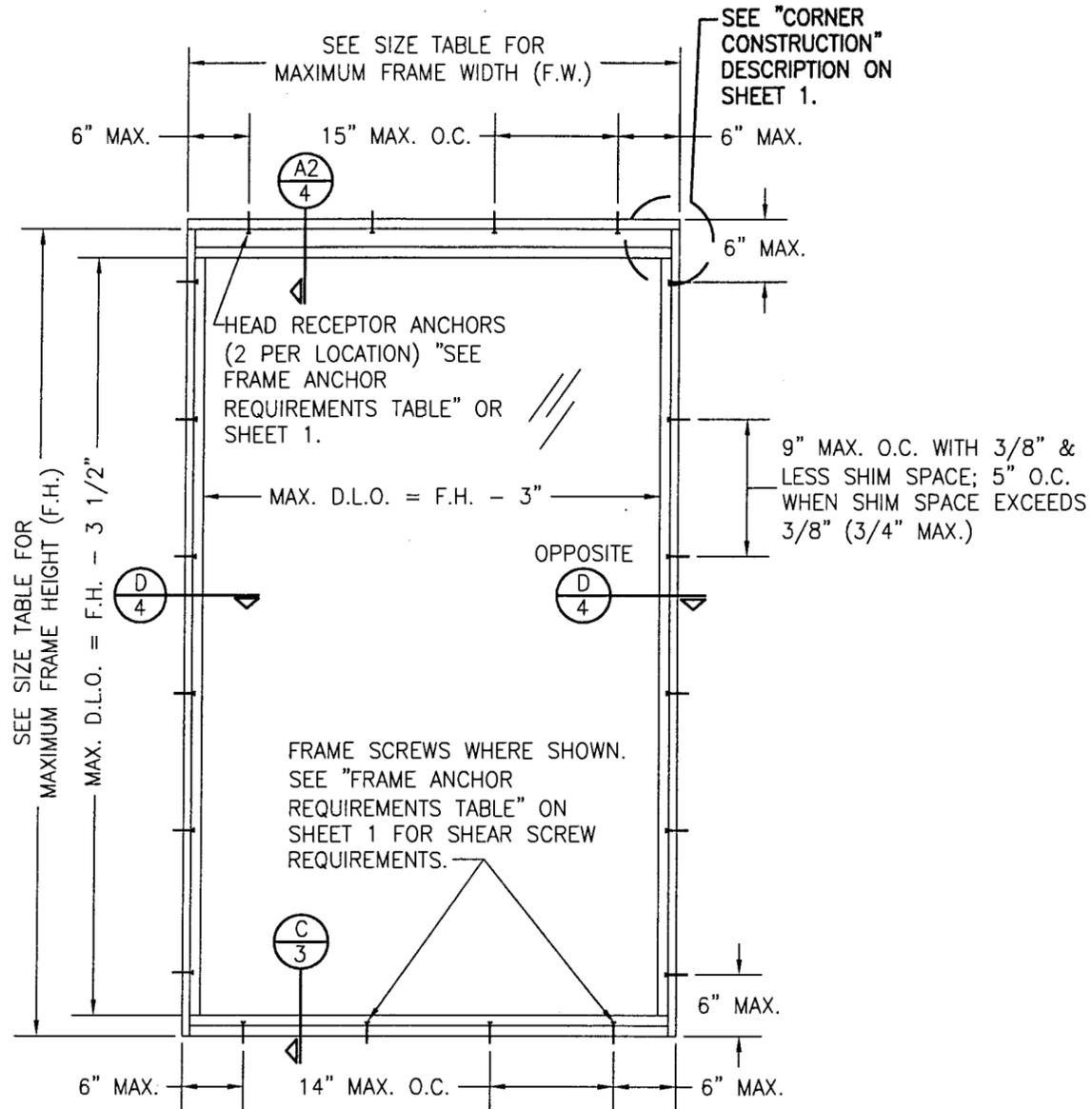
(1) CONCRETE SCREWS SHALL BE ELCO OR ITW RAMSET/RED HEAD TAPCONS, HILTI KWIK-CON II OR POWERS RAWL TAPPER (HARDENED STEEL OR S.S.).
(2) SELF DRILLING/TAPPING SCREWS SHALL BE MIN. GRADE 5 STEEL WITH CORROSION RESISTANT COATING.
(3) CONCRETE SHALL BE MIN. 3000 PSI

GENERAL NOTES

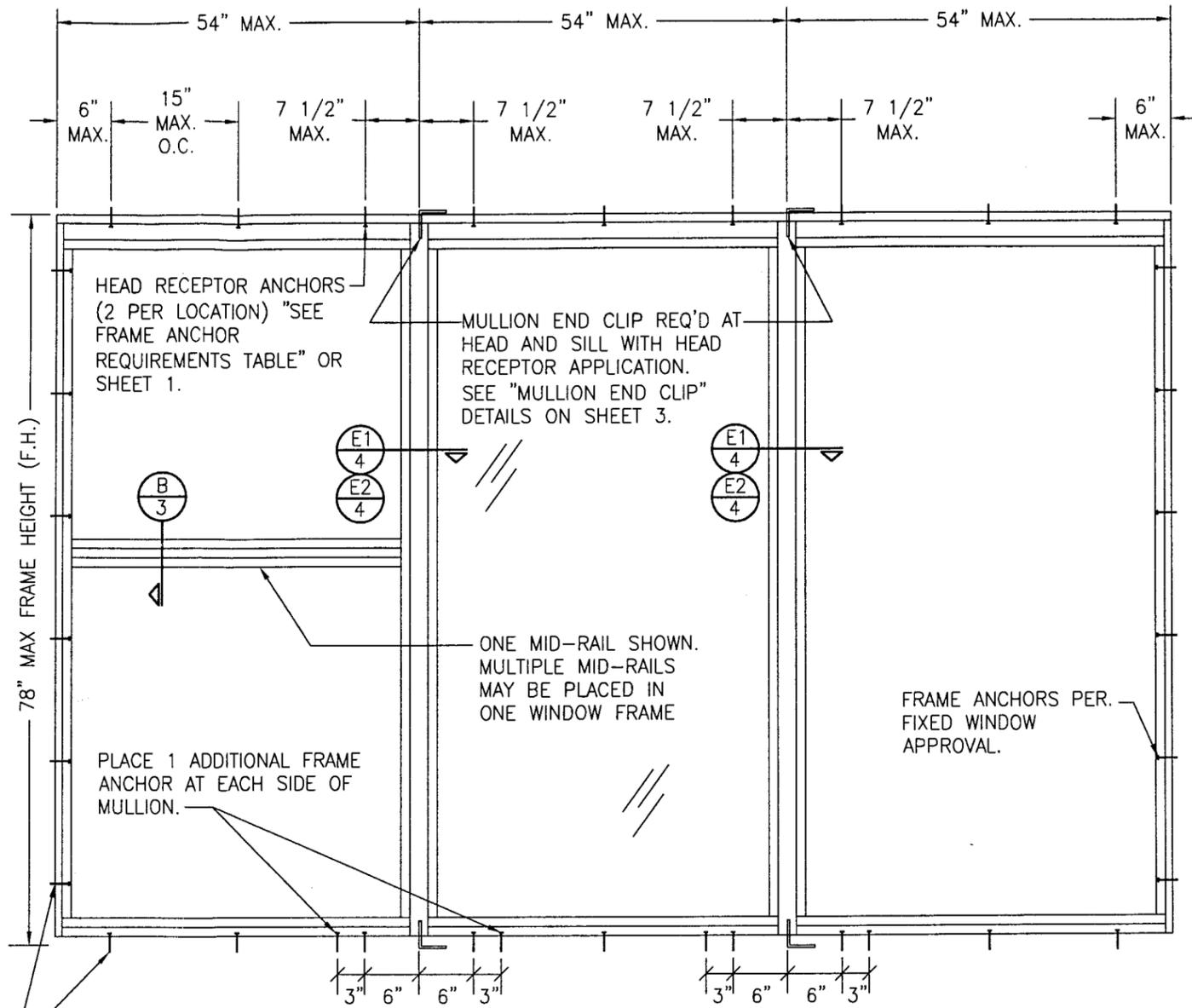
1. THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN LOADS" TABLE(S).
2. BUCKING, OPENINGS & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & MAY NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS.
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 2004 FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
5. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE (FBC) FOR HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE WINDOWS.
7. ALL ANCHORS SHALL BE INSTALLED AS SPECIFIED ON THESE DRAWINGS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
8. ALL FRAME ANCHORS SECURING WINDOW/DOOR FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
9. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004 FLORIDA BUILDING CODE SECTION 2003.8.4.

Approved as complying with the Florida Building Code
Date 08/03/06
NOAH 06-0124-04
Miami-Dade Product Control
Division
By *[Signature]*

DRAWN BY: M.S.J.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 06/28/05
NO.	REVISION DESCRIPTION
DATE	BY
DRAWING TITLE 4" DIRECT GLAZED FIXED WINDOW (LARGE MISSILE IMPACT)	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	MANUFACTURER FULTON WINDOWS
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	275 BRITANNIA ROAD EAST MISSISSAUGA, ONTARIO, CANADA L4Z2E7 800-561-9854
CERTIFICATION JUN 22 2006	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1429	REV.
SHEET NO. 1	OF 5



**EXTERIOR ELEVATION
FIXED WINDOW
WITH HEAD RECEPTOR**
SCALE: 3/4"=1'-0"



**EXTERIOR ELEVATION
MULTIPLE FIXED WINDOWS
WITH HEAD RECEPTOR**
SCALE: 3/4"=1'-0"
(FOR DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATION)

3 WINDOWS SHOWN; MORE THAN 3 WINDOWS MAY BE PLACED INTO ONE OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT THE WINDOWS.

Approved as complying with the Florida Building Code
Date 06/03/06
NOA# 06-0174-04
Miami-Dade Product Control Division
By *[Signature]*

DRAWN BY: M.S.J.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 06/28/05
DATE	
BY	
REVISION DESCRIPTION	
NO.	

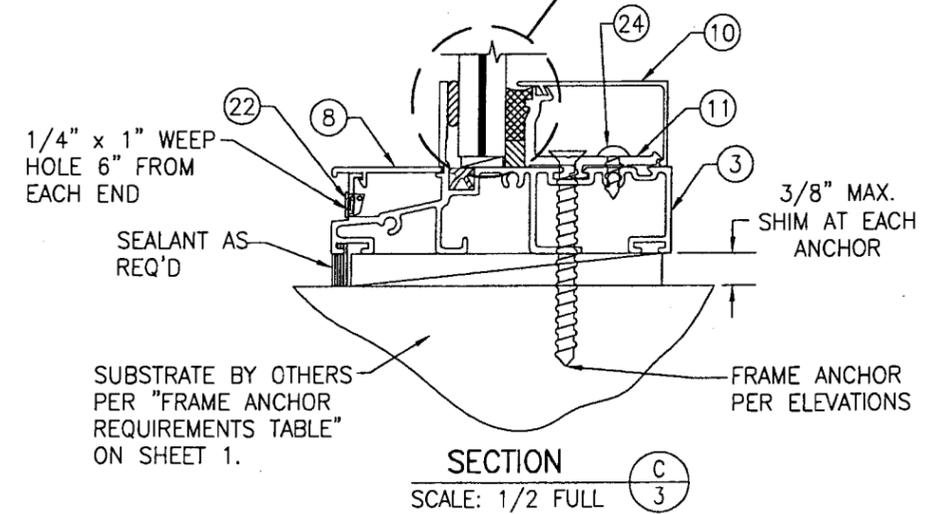
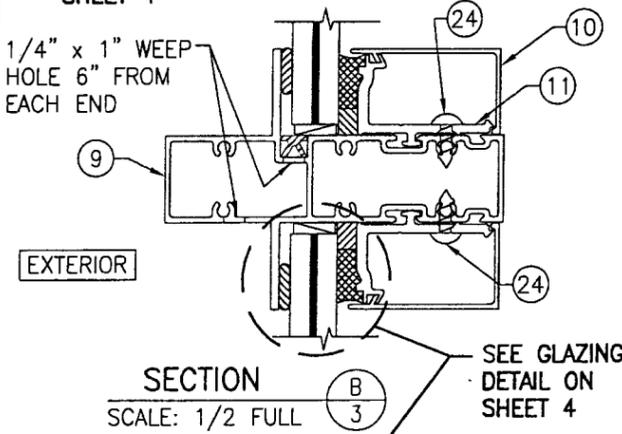
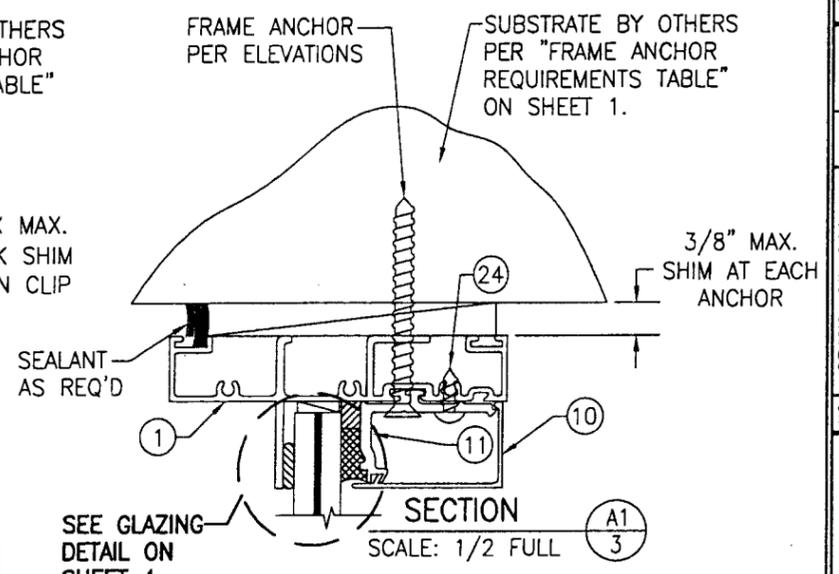
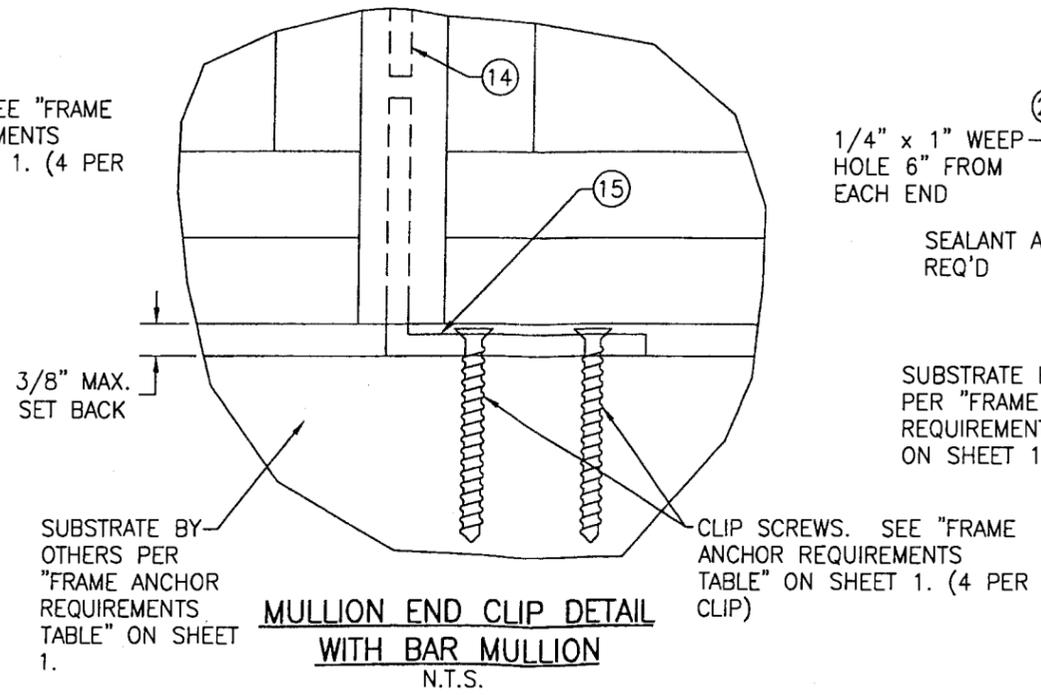
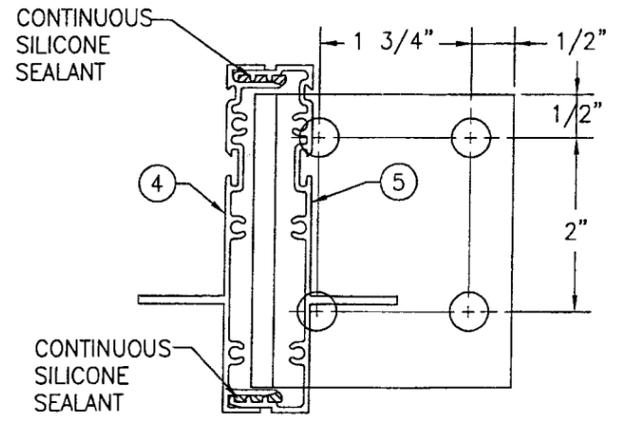
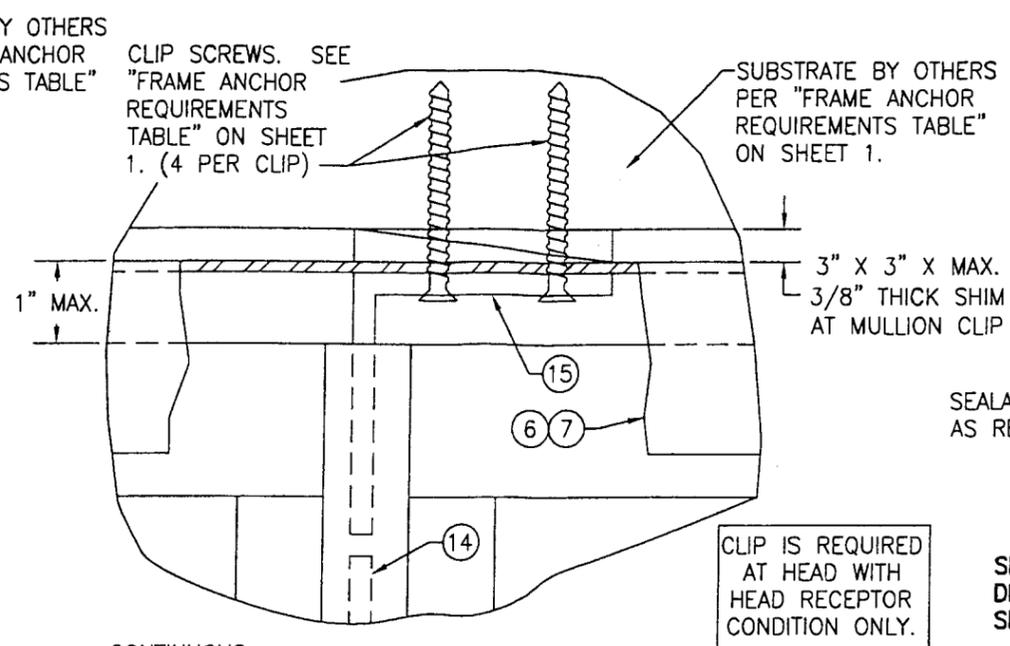
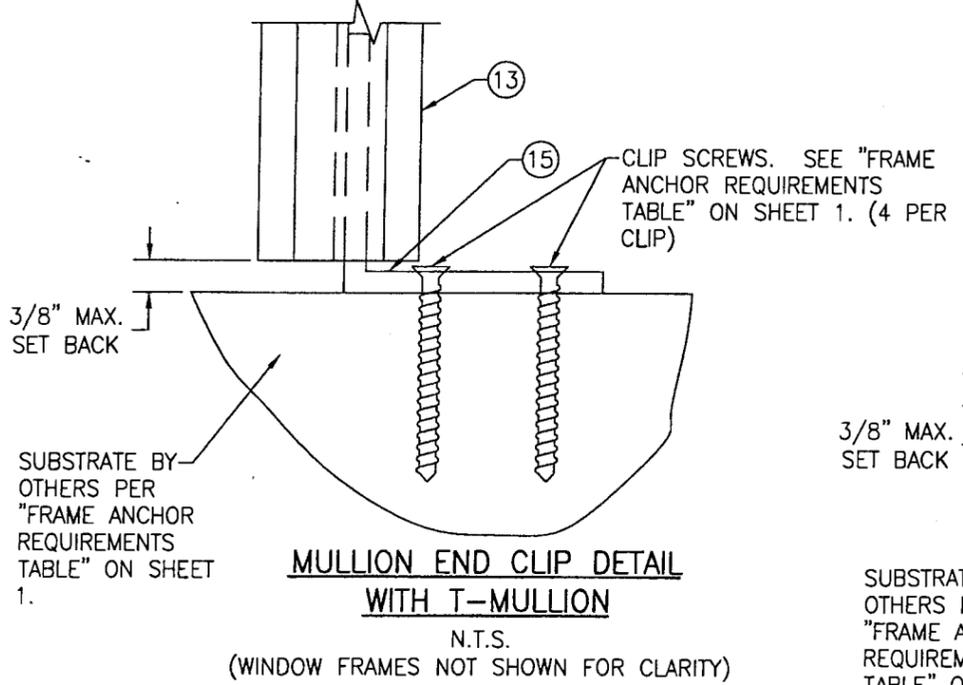
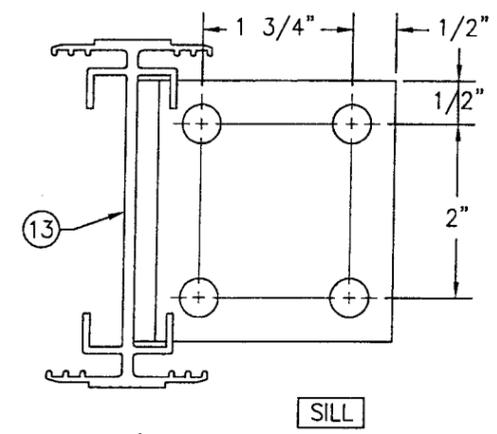
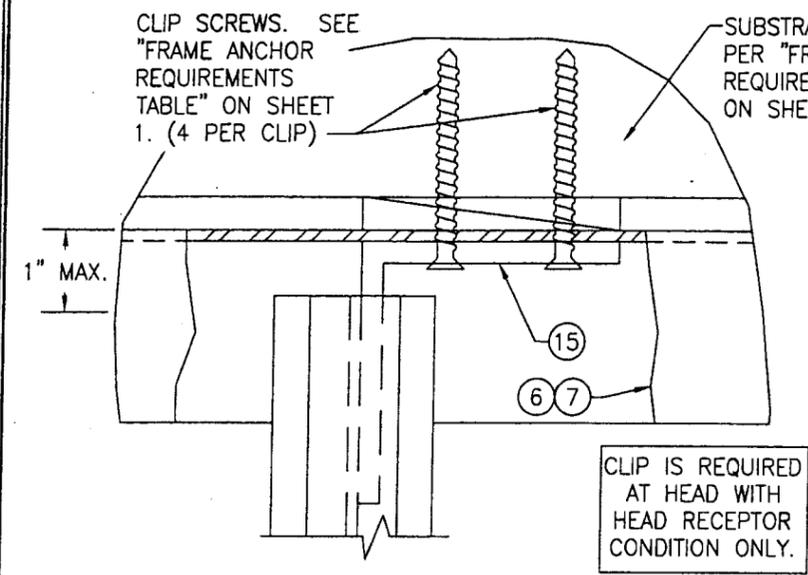
4" DIRECT GLAZED FIXED WINDOW (LARGE MISSILE IMPACT)

MANUFACTURER
FULTON WINDOWS
275 BRITANNIA ROAD EAST
MISSISSAUGA, ONTARIO, CANADA L4Z2E7
800-5619854

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

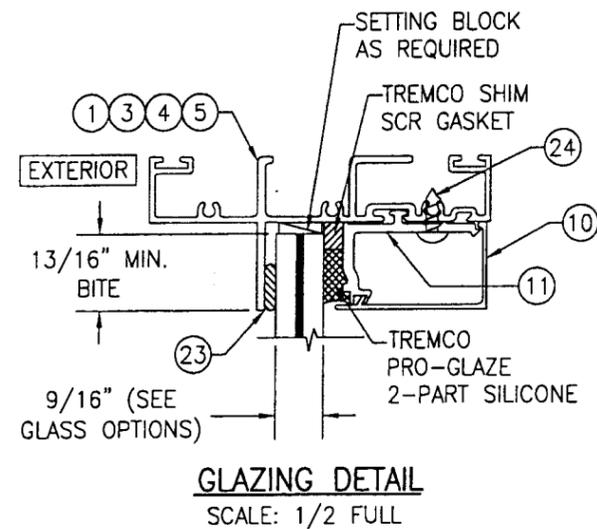
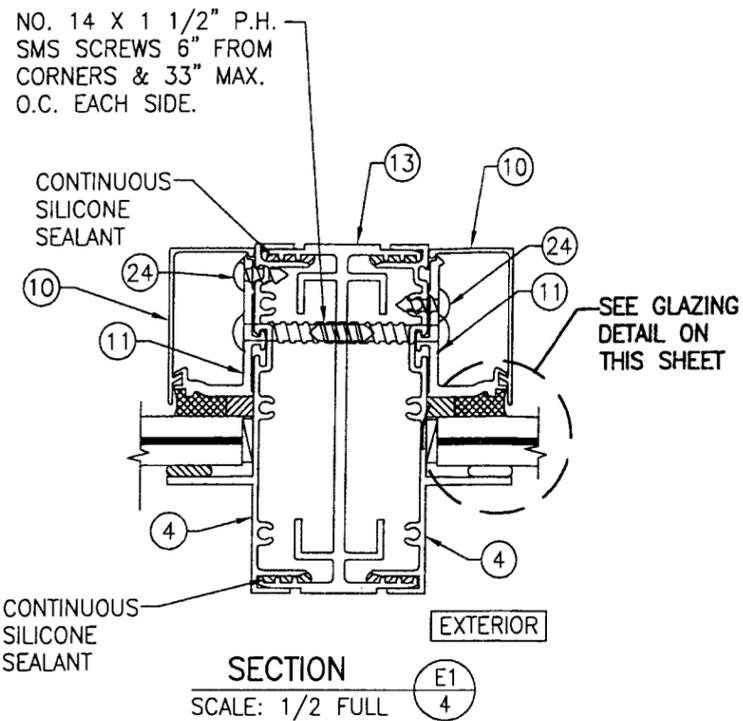
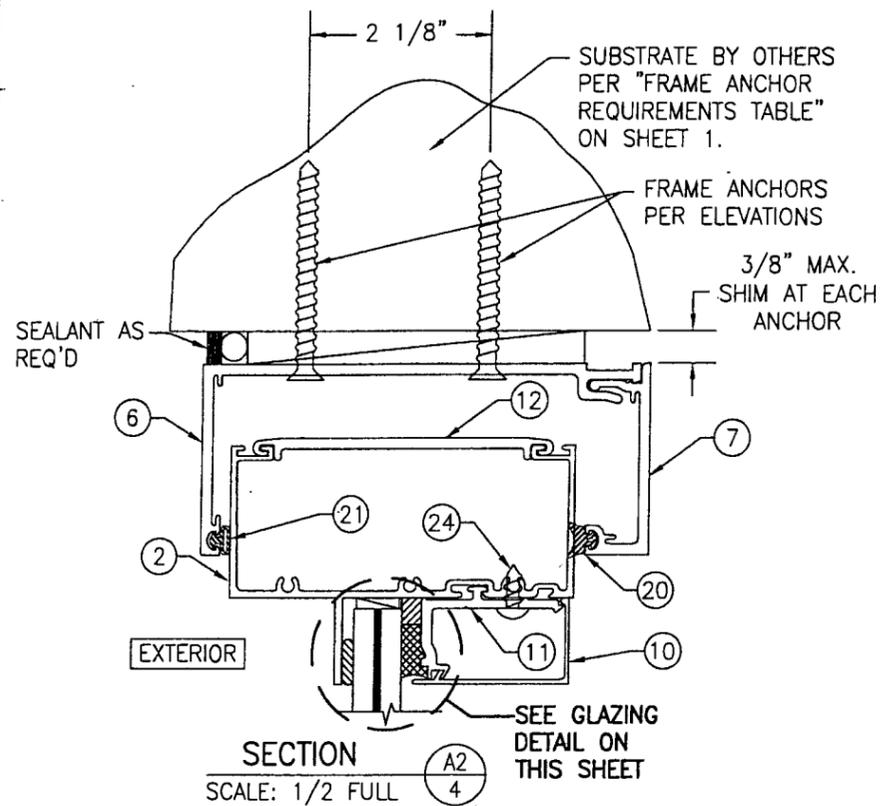
CERTIFICATION
JUN 22 2006
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO. 1429	REV.
SHEET NO. 2	OF 5

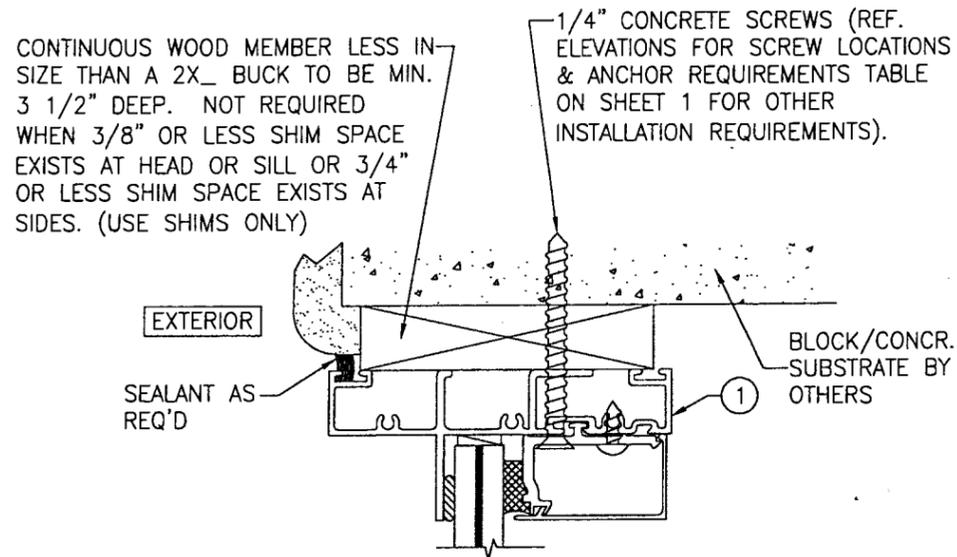
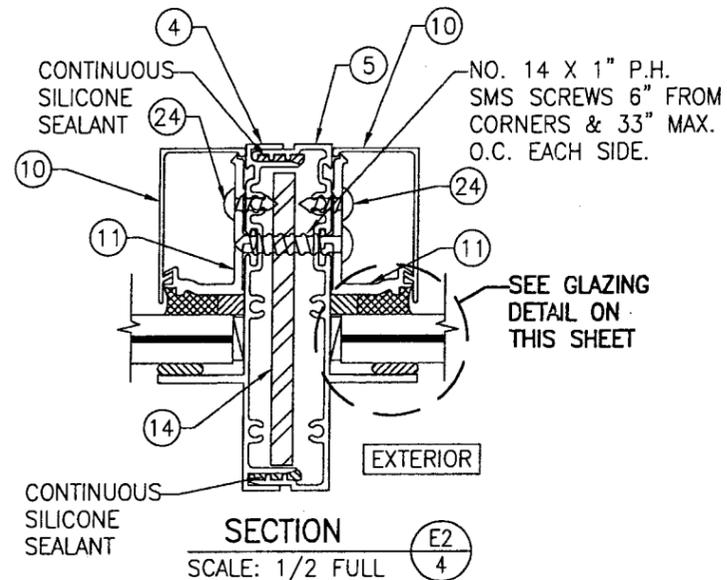
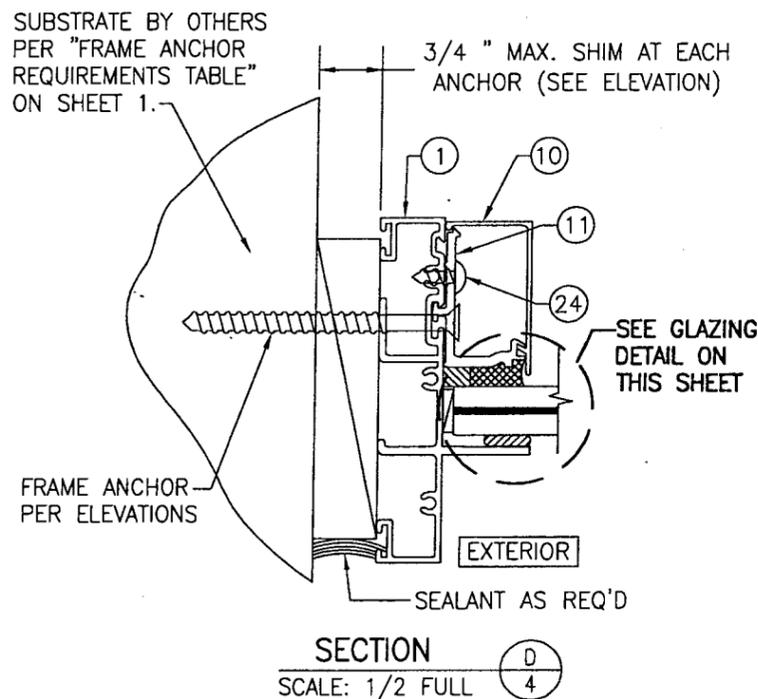


Approved as complying with the Florida Building Code
 Date 08/03/06
 NOAF 06-012404
 Miami-Dade Product Control Division
 By *[Signature]*

DRAWN BY: M.S.J.	CHECKED BY: W.S.S.
PLOT: 1-2	DATE: 06/23/05
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE 4" DIRECT GLAZED FIXED WINDOW (LARGE MISSILE IMPACT)	
MANUFACTURER FULTON WINDOWS 275 BRITANNIA ROAD EAST MISSISSAUGA, ONTARIO, CANADA L4Z2E7 800-561-9854	
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	JUN 22 2006
DRAWING NO. 1429	REV. 3
SHEET NO. 3 OF 5	



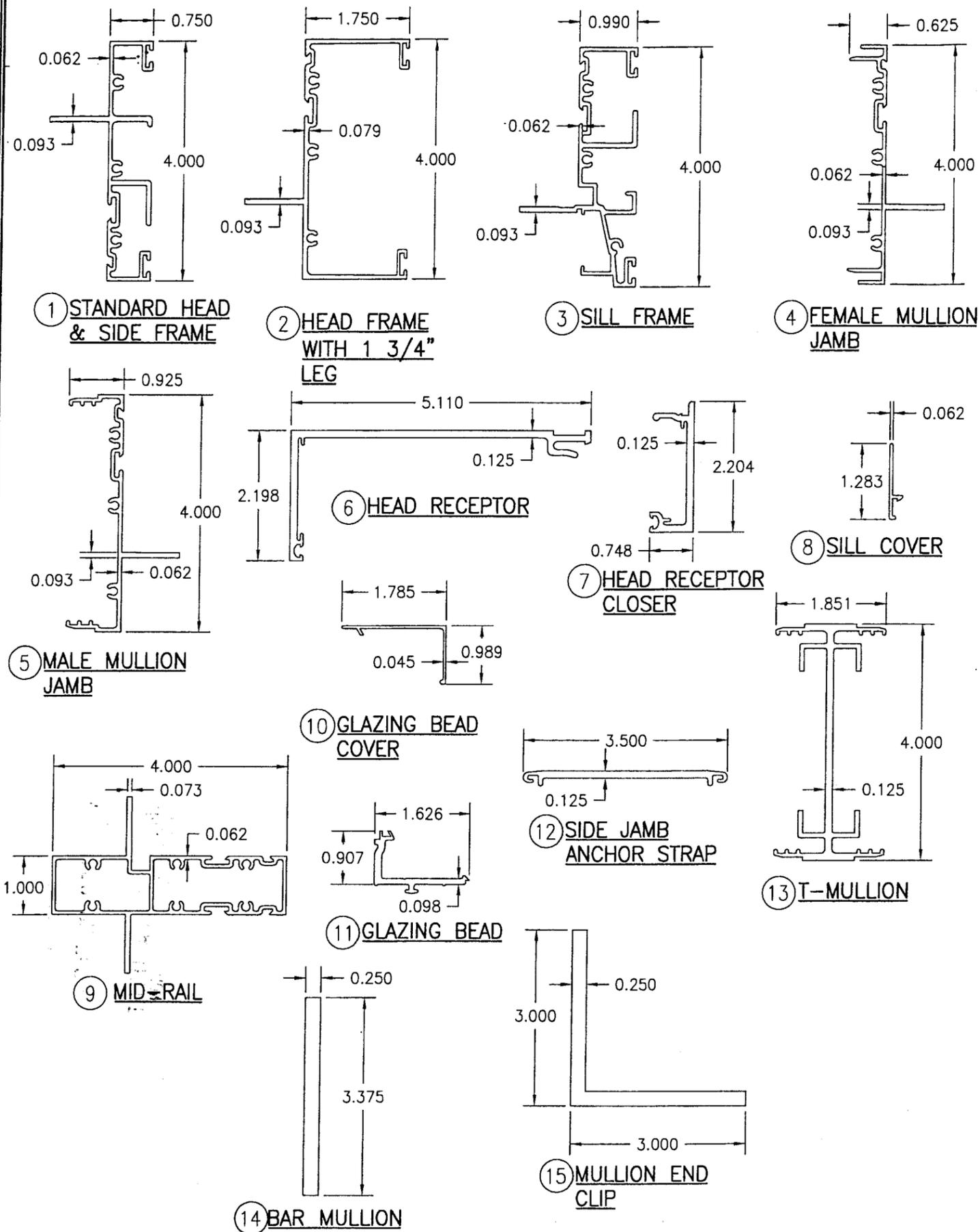
GLASS OPTIONS
 OPTION 1: 9/16" THICK LAMINATED SGP GLASS BY OLDCASTLE (1/4" H.S./0.09 SGP/1/4" H.S.)
 OPTION 2: 9/16" THICK LAMINATED VANCEVA GLASS BY SOLUTIA (1/4" H.S./0.075 VANCEVA/1/4" H.S.)
 OPTION 3: 9/16" THICK LAMINATED STORMGUARD GLASS BY OLDCASTLE (1/4" H.S./2 LAYERS 0.05 STORMGUARD/1/4" H.S.)



OPTIONAL DIRECT MOUNT DETAIL TO BLOCK/CONCRETE
 HEAD FRAME DETAIL SHOWN; SIDES AND SILL SIMILAR
 SEE OTHER SECTIONS FOR DETAIL NOT SHOWN

Approved as complying with the Florida Building Code
 Date 08/03/06
 NOA# 06-0124-04
 Miami Code Product Control
 Division
 By [Signature]

DRAWN BY: M.S.J.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 06/28/05	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE: 4" DIRECT GLAZED FIXED WINDOW (LARGE MISSILE IMPACT)			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: FULTON WINDOWS	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		275 BRITANNIA ROAD EAST MISSISSAUGA, ONTARIO, CANADA L4Z2E7 800-561-9854	
CERTIFICATION	JUN 22 2006	WARREN W. SCHAEFER, P.E.	P.E. NO. 44135
DRAWING NO. 1429	REV.		
SHEET NO. 4	OF	5	



ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	130-025	STANDARD HEAD & SIDE FRAME	6063-T6 ALUMINUM
2	130-001	4" HUNG HEAD W/ 1 3/4" LEG	6063-T6 ALUMINUM
3	130-026	SILL FRAME	6063-T6 ALUMINUM
4	130-005	FEMALE MULLION JAMB	6063-T6 ALUMINUM
5	130-006	MALE MULLION JAMB	6063-T6 ALUMINUM
6	130-018	HEAD RECEPTOR	6063-T6 ALUMINUM
7	120-057	HEAD RECEPTOR CLOSER	6063-T6 ALUMINUM
8	120-040	SILL COVER	6063-T6 ALUMINUM
9	130-003	MID-RAIL	6063-T6 ALUMINUM
10	130-028	GLAZING BEAD COVER	6063-T6 ALUMINUM
11	130-027	GLAZING BEAD	6063-T6 ALUMINUM
12	130-015	RECEPTOR HEAD FRAME BRACE	6063-T6 ALUMINUM
13	130-022	T-MULLION	6063-T6 ALUMINUM
14	-	BAR MULLION	A36 STEEL PRIME PAINTED
15	-	MULLION END CLIP - KNIFE ANCHOR	A36 STEEL PRIME PAINTED
SEALS AND SEALANTS			
20	860-004	3MM GLAZING GASKET	TREMCO - EPDM
21	812-055	BULB COMPRESSION SEAL	TREMCO - EPDM
22	024-005	FLUSHED FACE WEEP	ASHLAND PRODUCTS
23	081-001	POLYSHIM II GLAZING TAPE	TREMCO - BUTYL
MISC. FASTENERS			
24	-	NO. 10 X 1/2" PH SELF DRILLING SCREW	4" FROM END & 12" O.C.

DRAWN BY: M.S.J.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 06/28/05
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE 4" DIRECT GLAZED FIXED WINDOW (LARGE MISSILE IMPACT)	
MANUFACTURER FULTON WINDOWS 275 BRITANNIA ROAD EAST MISSISSAUGA, ONTARIO, CANADA L4Z2E7 800-561-9854	
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 JUN 22 2006 Approved as complying with the Florida Building Code Date <u>08/03/09</u> NOA# <u>06-0174-04</u> Miami Dade Product Control Division By <u>Warren W. Schaefer</u> WARREN W. SCHAEFER, P.E. PE# NO. 44135	
DRAWING NO. 1429	REV.
SHEET NO. 5	OF 5