



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/economy

Kawneer Company, Inc.
555 Guthridge Court
Norcross, GA 30092

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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 "HPS" Aluminum Sliding Door – S.M.I.

APPROVAL DOCUMENT: Drawing No. 1451, dated 09/15/05, titled " HPS Small Missile Impact Sliding Glass Door", sheets 1 through 5 of 5 with revision "A2" dated 03/28/11, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 03/29/11, signed and sealed by Warren W. Schaefer, P. E., bearing the Miami-Dade County Product Control Section Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/ series, 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 No. 11-1013.07 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P.E.**



J. Gascon
6/12/14

NOA No. 14-0430.02
Expiration Date: May 14, 2016
Approval Date: June 19, 2014
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA No. 05-0707.03)
2. Drawing No. 1451, dated 09/15/05, titled "HPS Small Missile Impact Sliding Glass Door", sheets 1 through 5 of 5 with revision "A2" dated 03/28/11, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 03/29/11, signed and sealed by Warren W. Schaefer, P. E.
(Submitted under previous NOA No. 11-1013.07)

B. TESTS

1. Test reports on:
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Small Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94along with marked-up drawings and installation diagram of the sliding glass door, prepared by Hurricane Test Laboratory, Inc., Test Reports No.'s HTL-0049-0126-03 and HTL-0049-1203-04 dated 01/21-31 and 07/13/2005, both signed and sealed by Vinu J. Abraham, P. E.
(Submitted under previous NOA No. 05-0707.03)
2. Test reports on:
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Small Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94along with marked-up drawings and installation diagram of the sliding glass door, prepared by American Test Lab of South Florida, Inc., Test Reports No.'s ATL-0129.01-99 and ATL-1121.01-96, dated 03/18/1999 and 04/25/1996, both signed and sealed by William R. Mehner, P. E.
(Submitted under previous NOA No.'s 99-0902.05 and 97-0731.05)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC, dated 10/29/2010, prepared by W. W. Schaefer Engineering & Consulting, P. A., dated 03/31/11, signed and sealed by Warren W. Schaefer, P. E.
(Submitted under previous NOA No. 11-0406.03)
2. Complies with ASTM E1300-04/ 09



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 14-0430.02

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D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Test reports per ASTM E2203 Specification for Dense Thermoplastic Elastomers
 - 1) ASTM D412C Tensile Test 30HRS passed 2350 PSI tensile strength, elongation at break 275% 1550 PSI and 2820PSI tangent modulus;
 - 2) ASTM D2240 Shore A Hardness passed 85A \leq 73 (+3) Durometer;
 - 3) ASTM D792 density with specific gravity at 73.4°F (23°C) 1.32 < 0.97 \pm 0.02;
 - 4) ASTM D471 24 hrs. at 250°F (121°C) No. 3 oil maximum mass grain - 4.0% < 80%:

along with marked-up drawings and installation diagram of PVC Plastic HPS Gasket, prepared by Applied Technical Services, Inc., Test Report No. **ATS D 162474**, dated February 22, 2011, signed by Joseph Maciejewski, P. E.

(Submitted under previous NOA No. 11-1013.07)

2. Test Data per:
 - 1) ASTM D412C Tensile Test 30HRS passed 1509 PSI with 337% elongation;
 - 2) ASTM D395B Compression Set 22 HRS with 70°C passed 16.0% \leq 30%;
 - 3) ASTM D2240 Shore A Hardness passed 70A \leq 70 (+5) Durometer;
 - 4) ASTM D1149 Ozone Resistance 100 HR/ 104°F (40°C)/ 20% elongation / 100 pphm/ NO Cracks;
 - 5) ASTM D573 Heat Resistance 70 HR/ 212°F (100°C) passed: Tensile +2% \leq 15%, Elongation -9.2% \leq 40%, Hardness +6 \leq 10;
 - 6) ASTM D925, Method-B, Migration Staining 7 day's exposure passed None Migration;
 - 7) ASTM D624C Tear Test passed 101.7 ppi (17.8 ^{KN}/m) \geq 100 ppi (17.513 ^{KN}/m);
 - 8) ASTM D746, maximum Brittleness Temperature -45.04°F (-42.8°C)

along with the glazing neoprene's wedge gasket by Trelleborg Sealing Solutions U.S., Inc., prepared by Sealing Profiles U.S., Inc., Test Data No. **BRM-270400**, per ASTM C 864-05, dated October 11, 2010.

(Submitted under previous NOA No. 11-1013.07)

3. Notice of Acceptance No. **13-0129.27** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 04/11/13, expiring on 12/11/16.


Jaime D. Gascon, P. E.
Product Control Section Supervisor

NOA No. 14-0430.02

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E. MATERIAL CERTIFICATIONS (CONTINUED)

4. Notice of Acceptance No. **12-1231.08** issued to **Eastman Chemical Company (MA)** for their "**Saflex CP – Saflex and Saflex HP Composite Glass Interlayers with PET Core**" dated 03/28/13, expiring on 12/11/18.

F. STATEMENTS

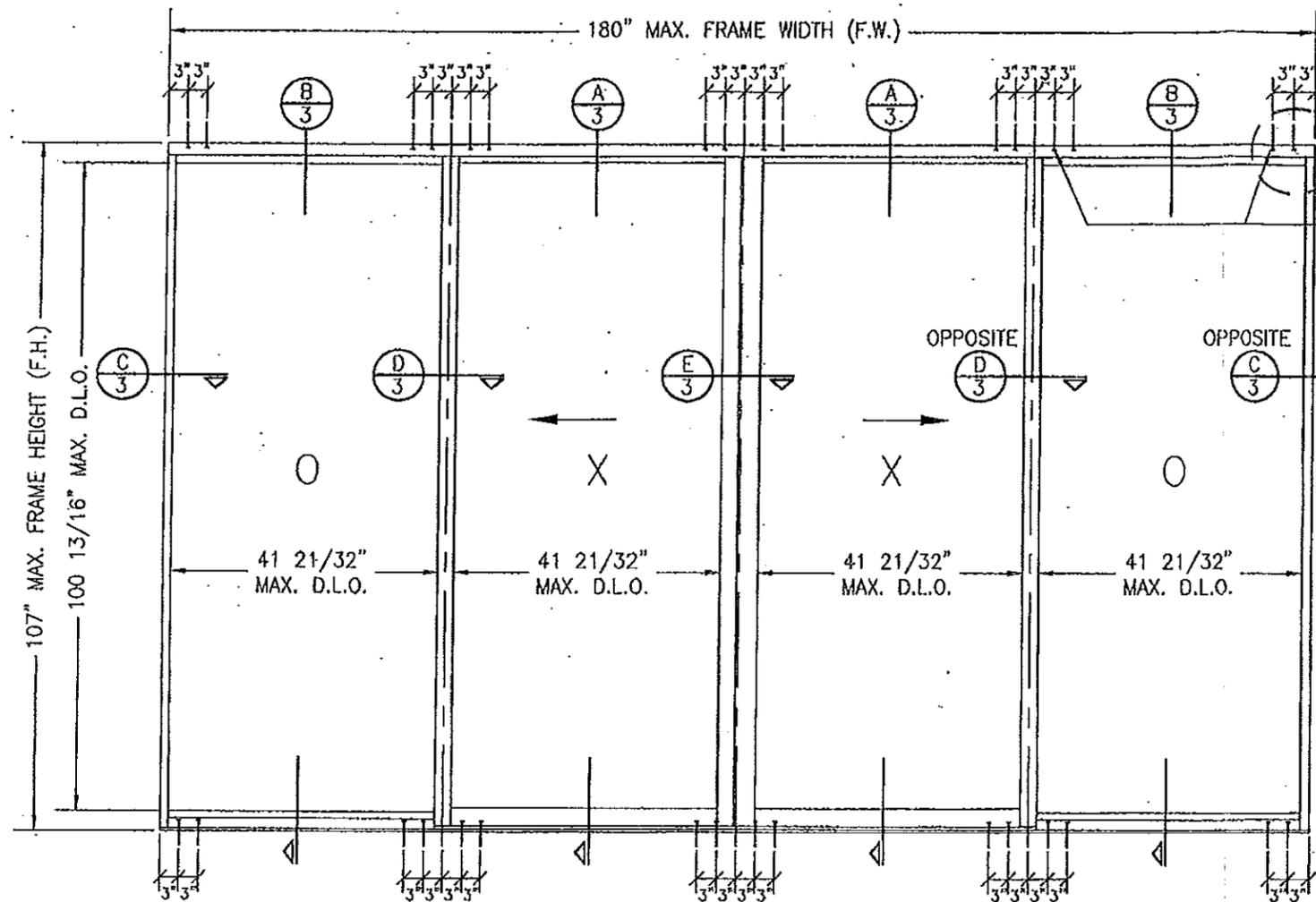
1. Statement letter of conformance, complying with **FBC 5th Edition (2014)**, issued by W. W. Schaefer Engineering & Consulting, P. A., dated 04/14/14, signed and sealed by Warren W. Schaefer, P. E.
1. Statement letter of conformance and compliances with the **FBC-2007** and **FBC-2010**, prepared by W. W. Schaefer Engineering & Consulting, P. A., dated 10/06/11, signed and sealed by Warren W. Schaefer, P. E.
(Submitted under previous NOA No. 11-1013.07)
2. Statement letter of no financial interest and independency, prepared by W. W. Schaefer Engineering & Consulting, P. A., dated 10/06/11, signed and sealed by Warren W. Schaefer, P. E.
(Submitted under previous NOA No. 11-1013.07)
3. Laboratory compliance letter for Test Reports No.'s **HTL-0049-0126-03** and **HTL-0049-1203-04**, issued by Hurricane Test Laboratory, LLC, 01/21-31/2003 and 07/13/2005, both signed and sealed by Vinu J. Abraham, P. E.
(Submitted under previous NOA No. 05-0707.03)
4. Laboratory compliance letter for Test Reports No.'s **ATL-0129.01-99** and **ATL-1121.01-96**, issued by American Test Lab of South Florida, Inc., dated 03/18/1999 and 04/25/1996, both signed and sealed by William R. Mehner, P. E.
(Submitted under previous NOA's No.'s 99-0902.05 and 97-0731.05)

G. OTHERS

1. Notice of Acceptance No. **11-1013.07**, issued to Kawneer Company, Inc. for their Series "**HPS Slider Aluminum Sliding Glass Door – S.M.I.**", approved on 03/01/2012 and expiring on 05/14/2016.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 14-0430.02
Expiration Date: May 14, 2016
Approval Date: June 19, 2014



EXTERIOR ELEVATION
4-PANEL SLIDING GLASS DOOR

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

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, ANSI/AAMA/NWDA 101/I.S.2, ASTM E1886 & ASTM E1996 FOR SMALL 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. WHEN GLAZED FOR SMALL MISSILE IMPACT, THESE DOORS MAY NOT BE INSTALLED AT ELEVATIONS BELOW 30 FT. ABOVE GRADE WITHOUT AN APPROVED SHUTTER.
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.

MASONRY OPENING NOTE: SIDES DO NOT SUPPORT THESE DOORS AND MAY BE CMU. HEAD & SILL MUST BE CONCRETE PER THE BELOW TABLE.

FRAME ANCHOR REQUIREMENTS TABLE

ANCHOR NUMBER	OPENING TYPE (SUBSTRATE)	FRAME TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
1	MIN. 2X6 WOOD FRAME OR BUCK. (MIN. GR. 3 & G=0.55)	(1) 1/4" CONCRETE SCREW	1 3/8"	3/4"
2	MIN. 16 GA. 33 KSI METAL STUD	1/4" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
3	MIN. 1/8" THK A36 STEEL	1/4" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
4	MIN. 3000 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 3/4"	2"
5	MIN. 3000 PSI CONCRETE	(2) 3/8" WEDGE/SLEEVE ANCHOR	3"	2 1/2"

- (1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS, ELCO CRETE-FLEX, ITW RAMSET/RED HEAD TAPCONS OR HILTI KWIK-CON II (HARDENED STEEL OR S.S.).
- (2) WEDGE/SLEEVE ANCHORS SHALL BE ITW RAMSET RED HEAD DYNABOLT, HILTI KWIK BOLT 3 OR POWERS RAWL POWER-BOLT (STEEL OR S.S.).

SEE "CORNER CONSTRUCTION" DESCRIPTION ON THIS SHEET

FRAME ANCHORS POSITIONED WHERE SHOWN AT HEAD & SILL ONLY. SEE "ANCHOR REQUIREMENTS TABLE ON THIS SHEET FOR ANCHOR REQUIREMENTS (TWO(2) ROWS DEEP OF ANCHORS AT EACH LOCATION SHOWN WITH ANCHORS NO. 1 THROUGH 4; ONE(1) ROW DEEP WITH ANCHOR NO. 5).

CORNER CONSTRUCTION

FRAME CORNERS:

THE JAMB WAS SQUARE CUT AT THE ENDS AND INSERTED BETWEEN THE ADJOINING HEAD TRACK AND SILL TRACK RECEPTOR. THE HEAD TRACK & SILL TRACK RECEPTOR WERE MECHANICALLY ATTACHED TO THE JAMBS USING TWO(2) NO. 12 X 2" TYPE AB HWH S.S. THREAD FORMING SCREWS PER END. EACH CORNER IS SEALED WITH DOW 795 SEALANT.

FIXED INTERLOCK ATTACHMENT:

SQUARE CUT AT ENDS & INSERTED BETWEEN THE ADJOINING HEAD TRACK AND SILL TRACK RECEPTOR. THE RECEPTORS ARE MECHANICALLY ATTACHED TO THE FIXED INTERLOCK WITH 3 NO. 12 X 2" TYPE AB HWH S.S. THREAD FORMING SCREWS. ENDS ARE SEALED WITH DOW 795 SEALANT.

PANEL CORNERS:

THE TOP & BOTTOM RAILS WERE SQUARE CUT, NOTCHED & BUTTED TO THE ADJACENT INTERLOCK STILE & LOCK OR LATCH STILE. THE INTERLOCK STILE & LOCK OR LATCH STILE WERE MECHANICALLY ATTACHED TO THE ADJACENT RAILS USING 2 NO. 12 X 2" TYPE AB HWH S.S. THREAD FORMING SCREWS PER CORNER. NOTE THAT THERE IS A 3/16" THICK STEEL BACKUP PLATE USED AT EACH OPERABLE PANEL CORNER ASSEMBLY. EACH CORNER IS SEALED WITH DOW 795 SEALANT.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-0430.02
Expiration Date 05/14/2016

By *[Signature]*
Miami Dade Product Control

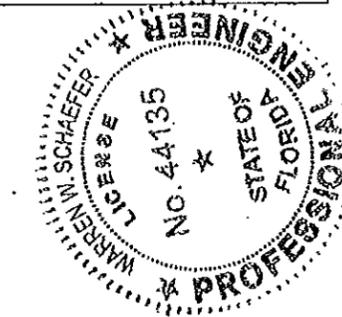
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as complying with the Florida
Building Code
Acceptance No. 11-1013.07
Expiration Date 05/14/2016

By *[Signature]*
Miami Dade Product Control

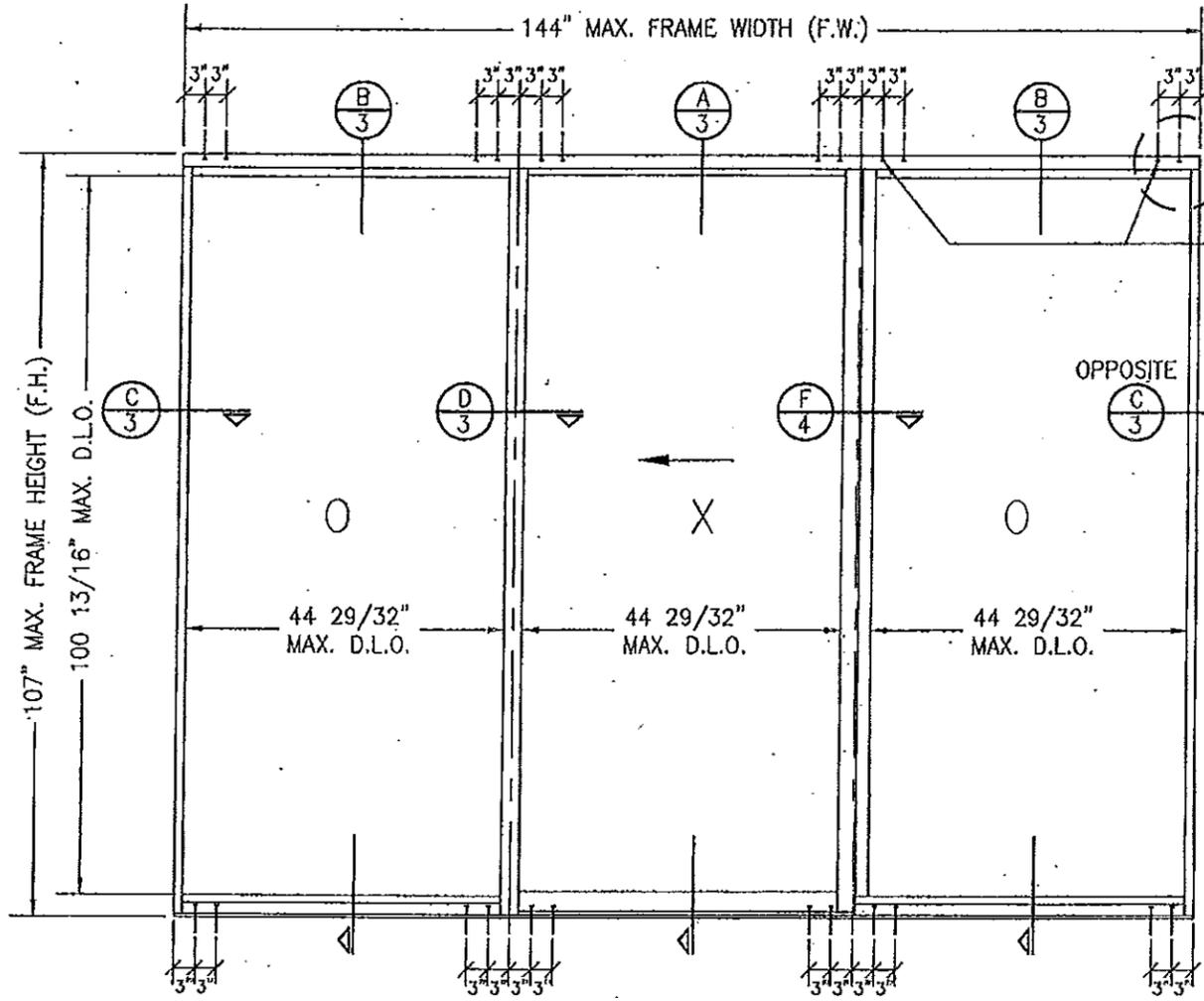
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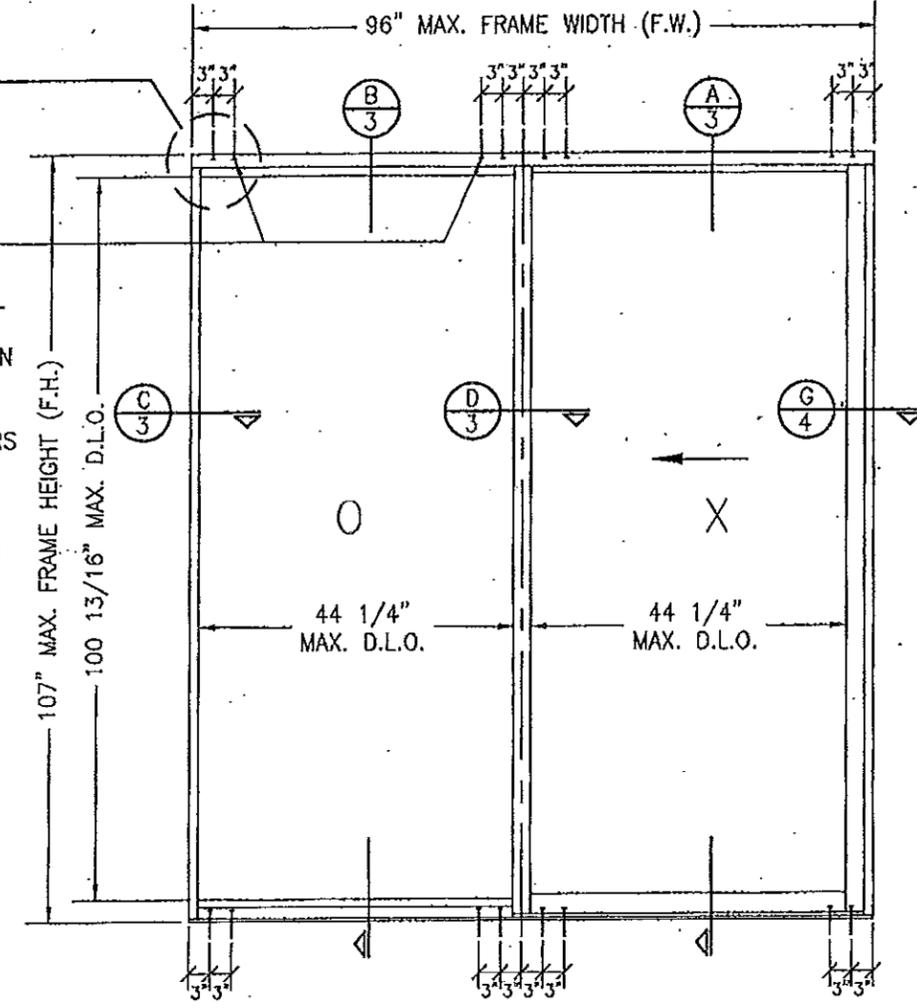
ALLOWABLE DESIGN PRESSURE
+/-95 PSF
SMALL MISSILE IMPACT RATED



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DATE: 03/28/11	DATE: 09/16/05
REVISION DESCRIPTION	
A1 UPDATE TO CURRENT STANDARDS	
A2 ADD BUTTAGE GLASS	
NO.	
DRAWING TITLE HPS SMALL MISSILE IMPACT SLIDING GLASS DOOR	
MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION MAR 29 2011 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1451	REV. A
SHEET NO. 1 OF 5	



EXTERIOR ELEVATION
3-PANEL SLIDING GLASS DOOR
SCALE: 1/2"=1'-0"



EXTERIOR ELEVATION
2-PANEL SLIDING GLASS DOOR
SCALE: 1/2"=1'-0"

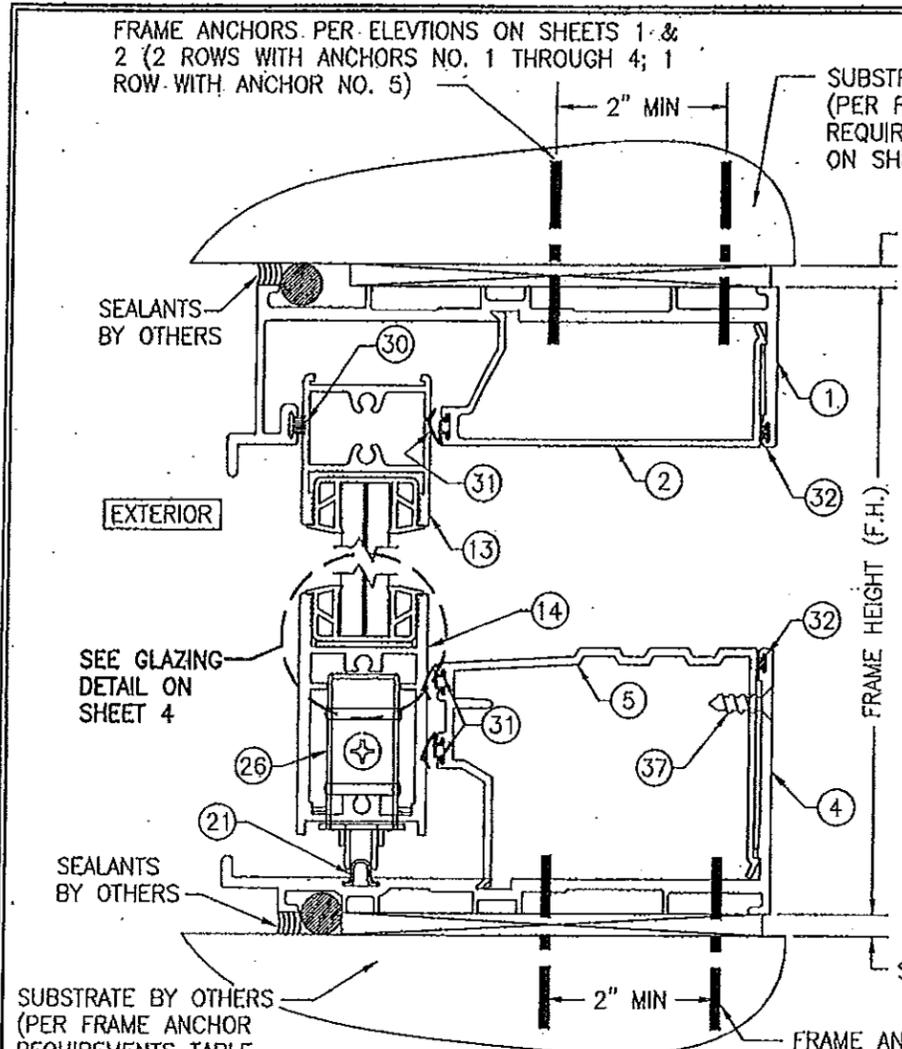
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Acceptance No. 14-0430.02
Expiration Date 05/14/2016
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as complying with the Florida
Building Code
Acceptance No. 11-0413.07
Expiration Date 05/14/2016
By *[Signature]*
Miami Dade Product Control

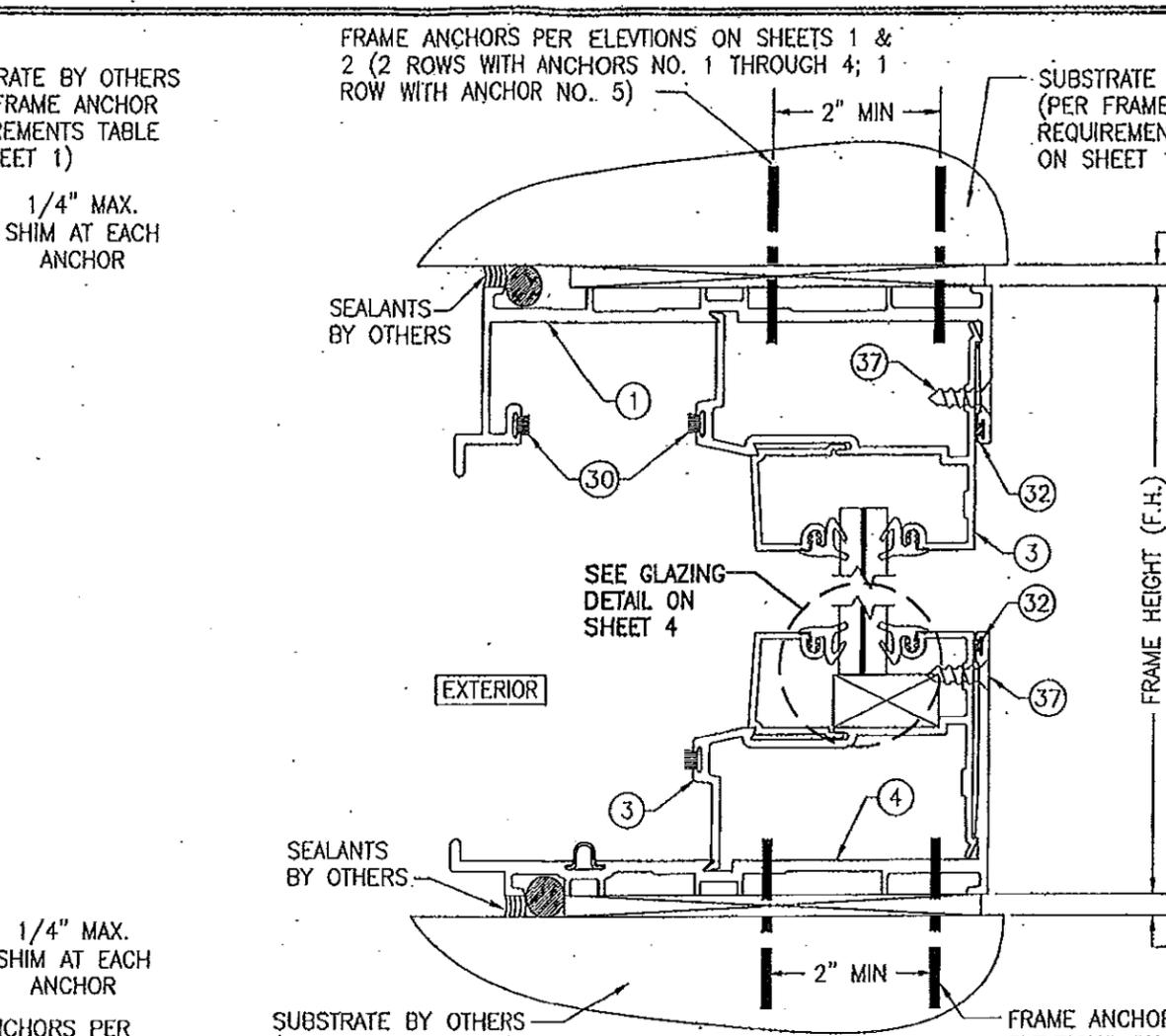
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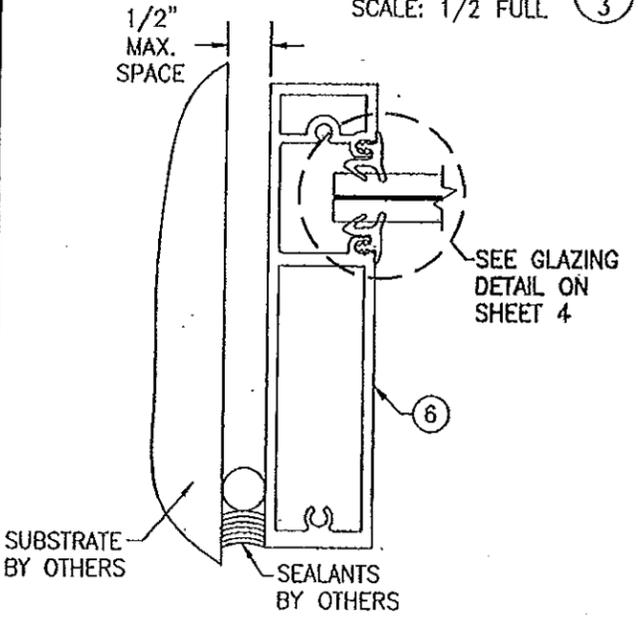
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PLOT: 1-24	DATE: 09/15/05
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE HPS SMALL MISSILE IMPACT SLIDING GLASS DOOR	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555	
CERTIFICATION MAR 29 2011	DRAWING NO. 1451 REV. A
SHEET NO. 2 OF 5	



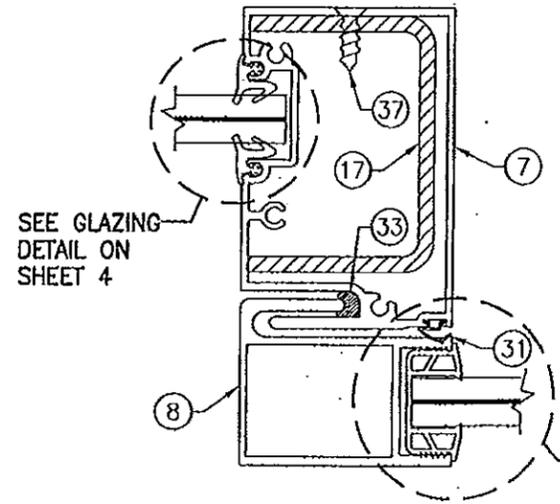
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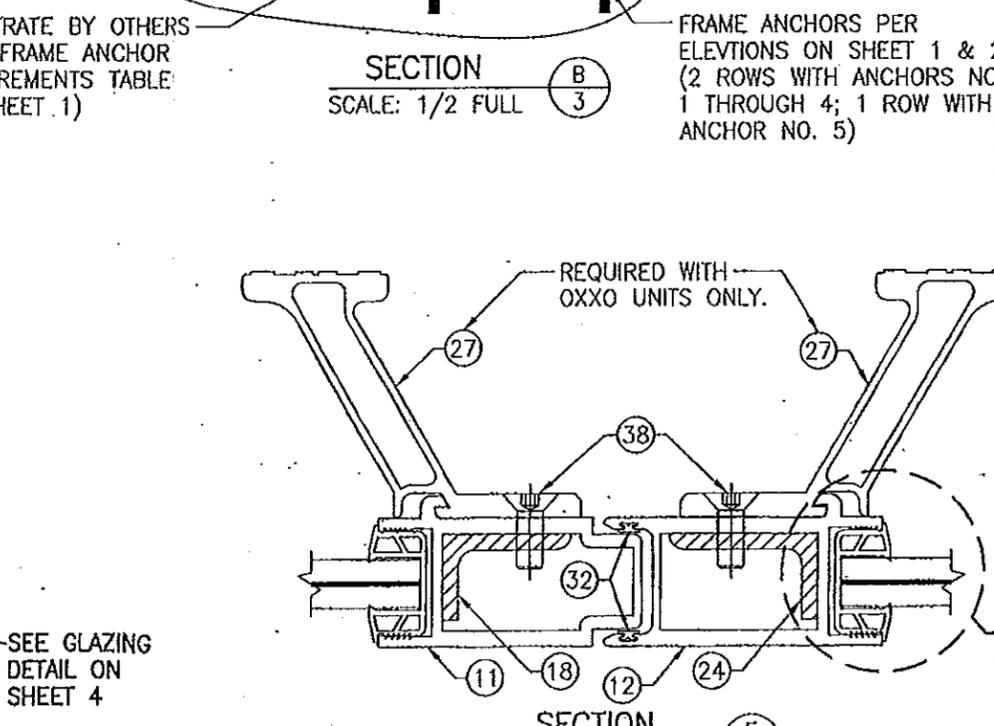
SECTION B
SCALE: 1/2 FULL



SECTION C
SCALE: 1/2 FULL



SECTION D
SCALE: 1/2 FULL

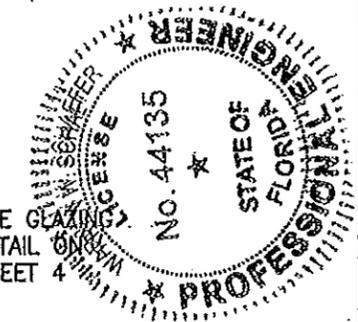


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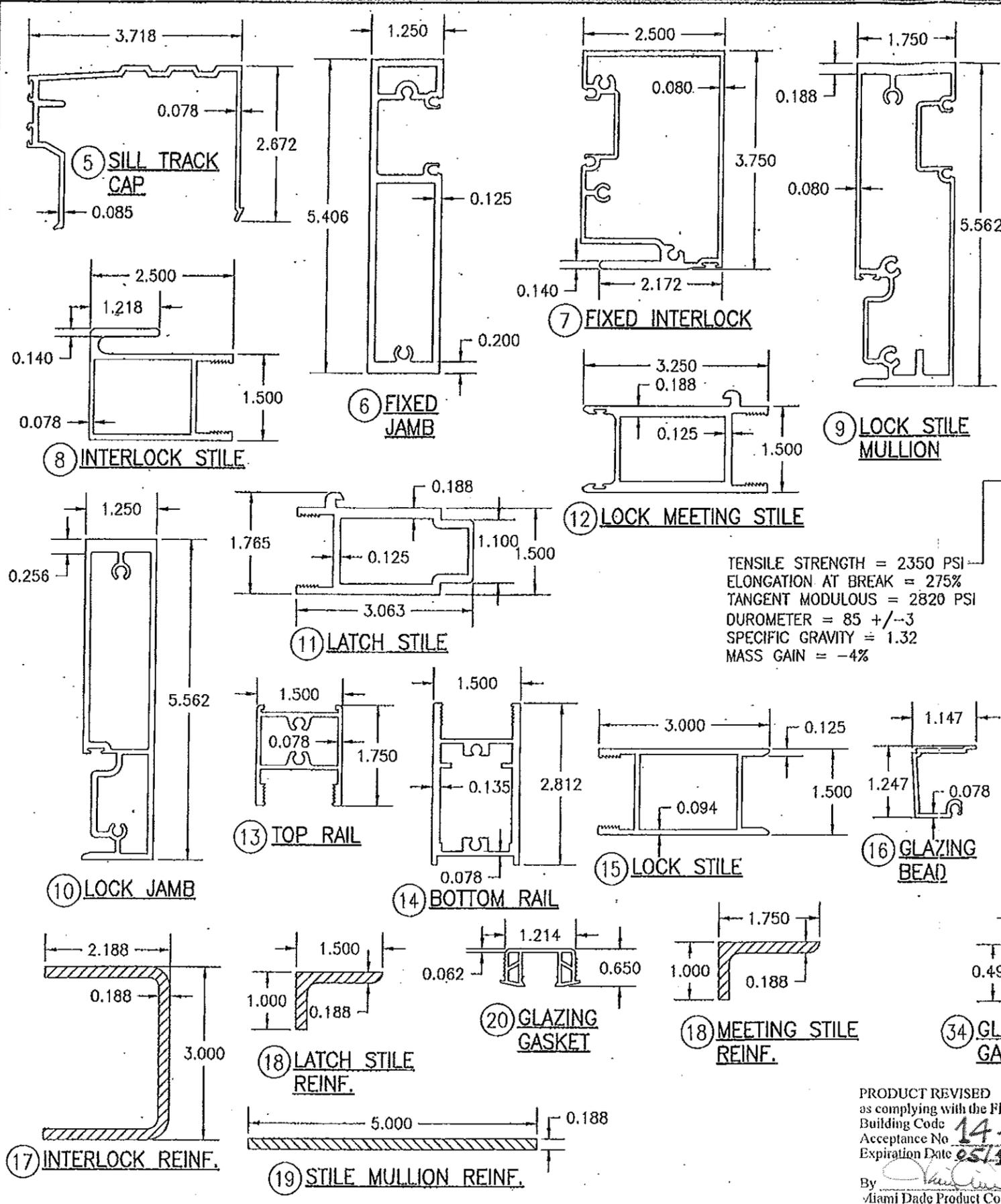
PRODUCT REVISED
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Acceptance No. **14-0430.02**
Expiration Date **05/14/2016**
By *[Signature]*
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PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. **11-0406.08**
Expiration Date **05/14/2016**
By *[Signature]*
Miami Dade Product Control



DRAWN BY: W.M.S./CA	CHECKED BY: W.M.S.
PLLOT: 1=2	DATE: 09/15/05
NO.	REVISION DESCRIPTION
BY	DATE
DRAWING TITLE HPS SMALL MISSILE IMPACT SLIDING GLASS DOOR	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555	
CERTIFICATION MAR 29 2017	DRAWING NO. 1451 REV. A SHEET NO. 3 OF 5



TENSILE STRENGTH = 2350 PSI
 ELONGATION AT BREAK = 275%
 TANGENT MODULOUS = 2820 PSI
 DUROMETER = 85 +/-3
 SPECIFIC GRAVITY = 1.32
 MASS GAIN = -4%

ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	592-001	HEAD TRACK	6063-T6 ALUMINUM
2	592-005	HEAD TRACK CAP	6063-T6 ALUMINUM
3	591-067	FIXED LITE TRACK FILLER	6063-T6 ALUMINUM
4	591-023	SILL TRACK RECEPTOR	6063-T6 ALUMINUM
5	591-075	SILL TRACK CAP	6063-T6 ALUMINUM
6	591-076	FIXED JAMB	6063-T6 ALUMINUM
7	591-060	INFILL FIXED INTERLOCK	6063-T6 ALUMINUM
8	591-035	INTERLOCK STILE	6063-T6 ALUMINUM
9	591-062	LOCK STILE MULLION	6063-T6 ALUMINUM
10	591-077	LOCK JAMB	6063-T6 ALUMINUM
11	591-018	LATCH STILE	6063-T6 ALUMINUM
12	591-017	LOCK MEETING STILE	6063-T6 ALUMINUM
13	591-033	TOP RAIL	6063-T6 ALUMINUM
14	591-034	BOTTOM RAIL	6063-T6 ALUMINUM
15	591-039	LOCK STILE	6063-T6 ALUMINUM
16	591-004	GLAZING BEAD	6063-T6 ALUMINUM
17	591-401	INTERLOCK REINFORCING	ASTM A570 GRADE 33 STEEL
18	591-404	LATCH STILE REINFORCING (10" LONG)	A36 STEEL
19	591-402	LOCK STILE MULLION REINFORCING	ASTM A570 GRADE 33 STEEL
20	027-937	GLAZING GASKET	FLEXIBLE PVC BY UNITED PLASTICS
21	925-393	ROLLER GUIDE INSERT	STAINLESS STEEL
22	027-073	1.25 X 0.625 SETTING BLOCK	EPDM
23	127-097	1.125 X 0.062 SETTING BLOCK	EPDM
24	591-403	MEETING STILE REINFORCING (10" LONG)	A36 STEEL
HARDWARE			
26	594-451	TANDEM CASTER ASSEMBLY	STAINLESS STEEL
27	591-019	CONTINUOUS HANDLE (OXXO UNITS ONLY)	6063-T6 ALUMINUM
28	911-581	LATCH LOCK	ADAMS RITE 1847 (STAINLESS STEEL)
29	089-426	LOCK STRIKE PACKAGE	STAINLESS STEEL
SEALS AND SEALANTS			
30	027-088	PILE WEATHER STIPPING	PB 9322 POLY BOND
31	027-110	40 DUROMETER WEATHERING GASKET	G.E. GELOY/DUPONT HYREL
32	027-579	BULB WEATHER STRIP	INTEK #50230A
33	590-412	INTERLOCK BUMPER (OXXO UNITS ONLY)	EPDM BY KRP
34	027-937	GLAZING WEDGE GASKET	EPDM 70 +/-5 DUROMETER BY KRP
MISC. FASTENERS			
37	128-107	NO. 12-24 X 3/4" PFHTFS	4 PER TOP & BOTTOM RAIL
38	128-316	5/16-18 X 1" HSFH-CS	3 PER HANDLE

PRODUCT REVISED
 as complying with the Florida
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 Expiration Date 05/14/2016
 By *[Signature]*
 Miami Dade Product Control

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 14-0430.02
 Expiration Date 05/14/2016
 By *[Signature]*
 Miami Dade Product Control

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 11-0406.03
 Expiration Date 05/14/2016
 By *[Signature]*
 Miami Dade Product Control



DRAWING TITLE: HPS SMALL MISSILE IMPACT SLIDING GLASS DOOR

DRAWN BY: W.W.S. CHECKED BY: W.W.S.
 PLOT: 1-24 DATE: 09/15/05

DATE: _____ BY: _____

REVISION DESCRIPTION: _____ NO. _____

MANUFACTURER: KAWNEER COMPANY, INC.
 555 GUTHRIE COURT
 NORCROSS, GA 30092
 770-449-5555

CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
 7480 150TH COURT NORTH
 PALM BEACH GARDENS, FL 33418
 PHONE: 561-744-3424

CERTIFICATION: MAR 29 2011
 WARREN A. SCHAEFER, P.E.
 LICENSE NO. 44135

DRAWING NO. 1451 REV. A
 SHEET NO. 5 OF 5