



MIAMI-DADE COUNTY
 PRODUCT CONTROL SECTION
 11805 SW 26 Street, Room 208
 Miami, Florida 33175-2474
 T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

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

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 "HPX" Aluminum Sliding Glass Door-L.M.I.

APPROVAL DOCUMENT: Drawing No 1692 Rev A1, titled "HPX Large Missile Impact Sliding Glass Door", sheets 1 through 5 of 5, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated APR 14, 2014, 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 Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitations:

1. See Allowable Design Pressure table for glass options and applicable DP. Max. nominal panel width is = 48".
2. Refer to elevation for cluster anchors at interlock/ meeting stiles and intermediate head & sill frame per substrate types. For Side jamb anchoring spacing requirements, see Side Jamb anchor table in sheet 1.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", 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 & renews NOA #11-1013.05 and 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.



7/22/14

NOA No. 14-0505.03
 Expiration Date: February 24, 2020
 Approval Date: July 31, 2014
 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections (Submitted under files ##11-1013.05/# 10-0708.04)
2. Drawing No 1692 Rev A1, titled "HPX Large Missile Impact Sliding Glass Door", sheets 1 through 5 of 5, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated APR 14, 2014, signed and sealed by Warren W. Schaefer, P.E.

(Note: the revision consist of updating glazing interlayer only)

B. TESTS (submitted under file #11-1013.05)

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) Large 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 202-94

along with the manufacturer's parts and section drawings of an OXO aluminum sliding glass door, prepared by Hurricane Test Laboratory, LLC. Test Report No. HTL-0049-0111-09, dated 03/30/09-05/04/09, signed and sealed by Vinu J. Abraham, P.E.

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) Large 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 202-94

Along with marked-up drawings and installation diagram of aluminum sliding glass door, prepared by American Test Lab Inc., Test Report No. ATLNC 1021.01-03, dated 01/14/04, signed and sealed by William F. Wescott, P.E.

Note: This test report has been revised by addendum letters 08/12/04, 09/15/04 and 02/03/05, issued by American Test Lab Inc., signed & sealed by William F. Wescott, P.E. (transferred from files # 10-0708.04, 10-0202.02, 09-0121.05 & 05-0707.02).

C. CALCULATIONS

1. Anchor updated calculations, complying with FBC-2014, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 04/14/14, signed & sealed by Warren W. Schaefer, P.E.
2. Anchor verification calculations, complying with FBC-2007, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 11/16/09, signed & sealed by Warren W. Schaefer, P.E. (submitted under file # 10-0708.04)
3. Glazing complies w/ ASTM E-1300-02 & -04

D. QUALITY ASSURANCE

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



Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 14-0505.03
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Kawneer Company, Inc.

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E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **12-1231.08** issued to Eastman Chemical Company (MA) former Solutia, for "Saflex CP: Saflex and saflex HP Composite glass interlayer w/ PET", expiring on 12/11/2018.
2. Notice of Acceptance No. **11-0624.02** issued to E.I. DuPont De Nemours & CO., Inc. for "DuPont SentryGlas ®", expiring on 01/14/2017.

F. STATEMENTS

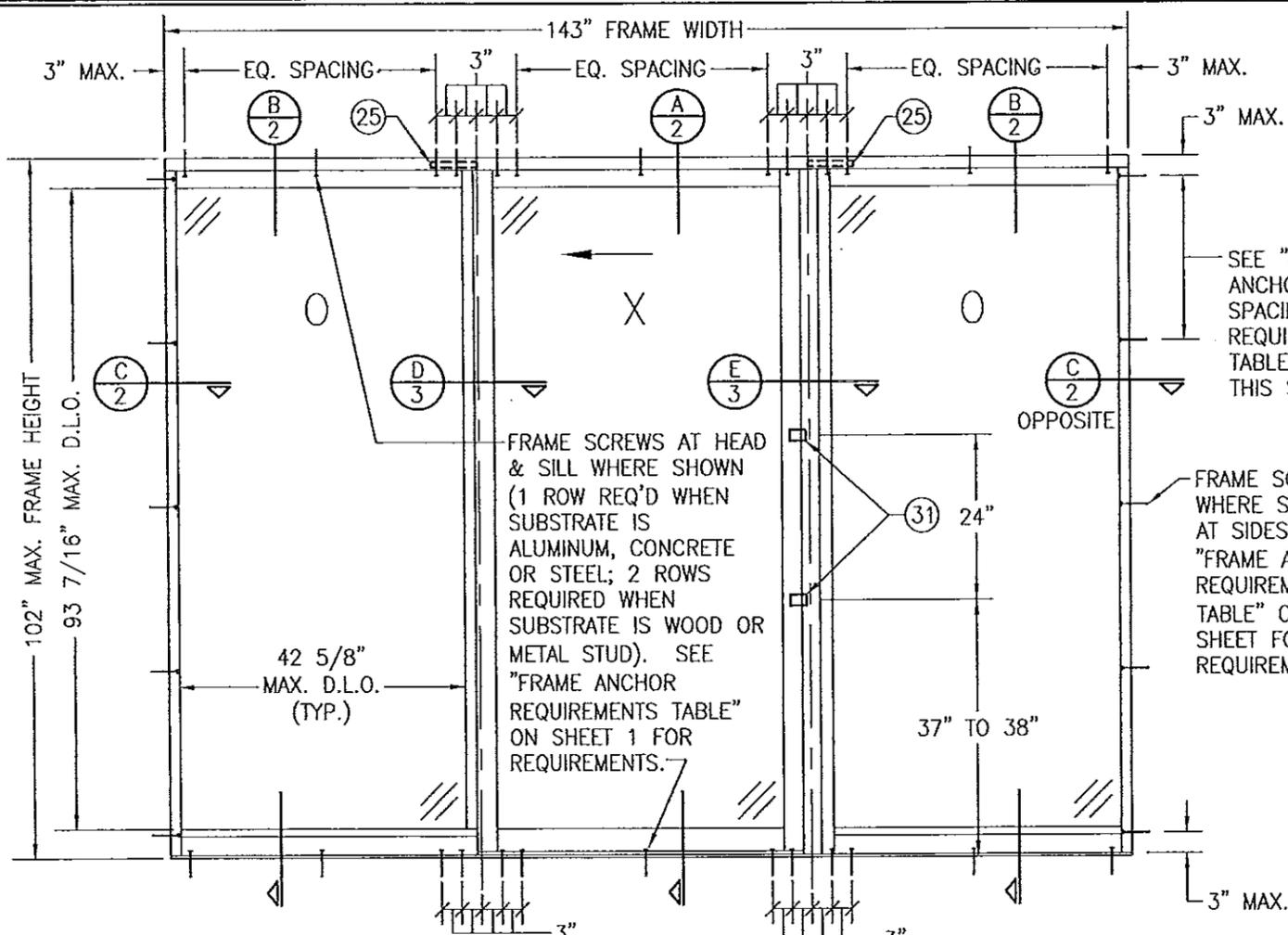
1. Statement letter of conformance to FBC 2014(5th Edition) and letter of no financial interest, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated April 14, 2014, signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter, prepared by W. W. Schaefer Engineering & Consulting, P.A. dated April 10, 2014, of NOA Drawings, testing and calculation have been reviewed to 2014 FBC and found compliant and that No change to existing NOA documents are required, signed by Warren W. Schaefer, P.E.
3. Statement letter of renewal with no change request, dated April 16, 2014, issued by Kawneer Company, signed by Tanya A. Dolby, P.E.
4. Statement letter of conformance to FBC 2010, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated OCT 06, 2011, signed and sealed by Warren W. Schaefer, P.E. (submitted under file # **11-1013.05**)
5. Statement letter of conformance to FBC 2007 and letter of no financial interest, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 11/16/09, signed and sealed by Warren W. Schaefer, P.E. (submitted under file # **10-0708.04**).
6. Statement of Lab compliance, as part of above referenced test report.

G. OTHER

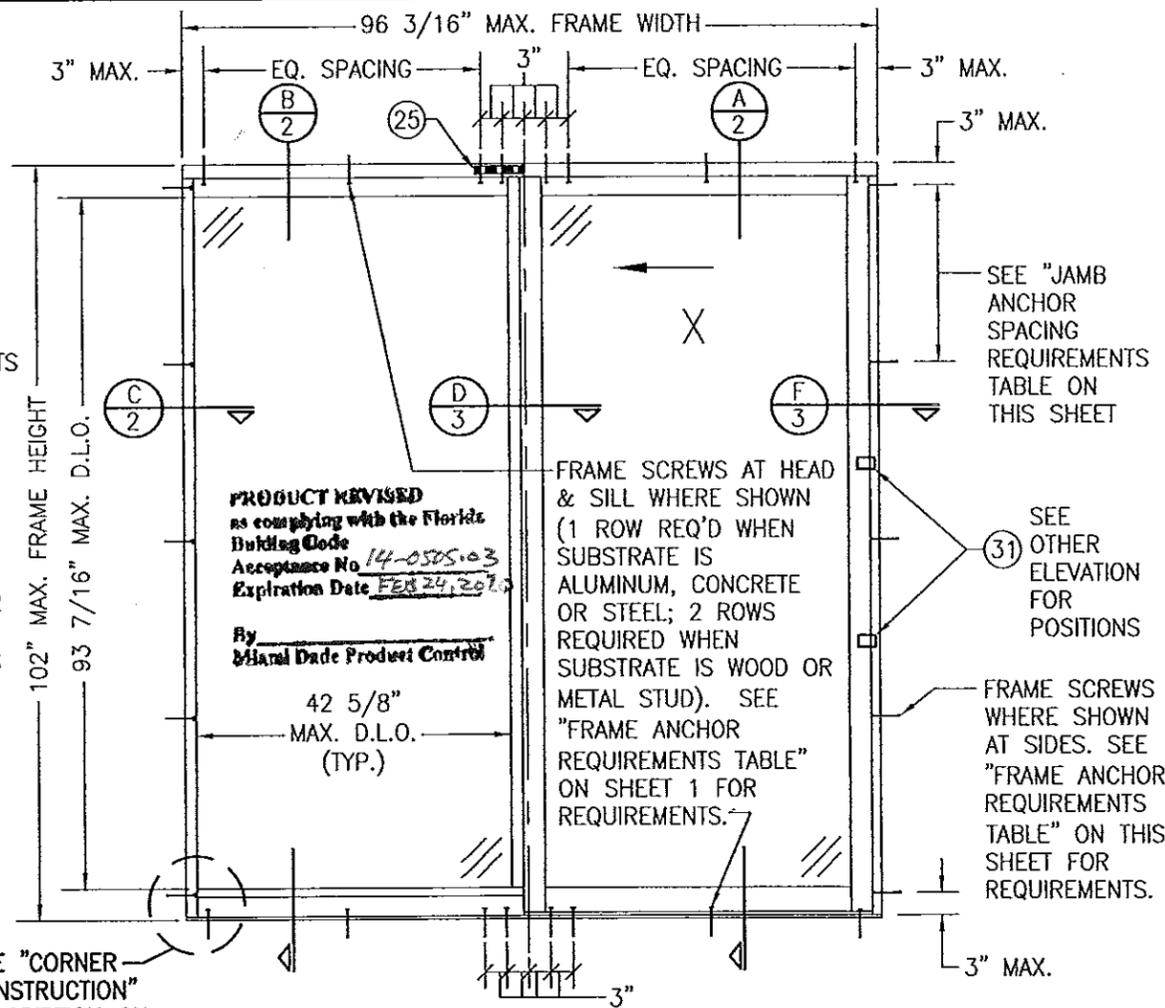
1. This NOA revises & renews NOA # **11-1013.05**, expiring on February 24, 2015.



Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 14-0505.03
Expiration Date: February 24, 2020
Approval Date: July 31, 2014



**EXTERIOR ELEVATION:
3-PANEL SLIDING GLASS DOOR**



**EXTERIOR ELEVATION:
2-PANEL SLIDING GLASS DOOR**

CORNER CONSTRUCTION:
FRAME: THE JAMB WAS SQUARE CUT AT THE ENDS AND INSERTED BETWEEN THE ADJOINING HEAD TRACK AND SILL TRACK. THE HEAD TRACK & SILL TRACK WERE MECHANICALLY ATTACHED TO THE JAMBS USING TWO(2) NO. 12 X 2" TYPE AB HWH TF SCREWS PER END. SCREW HEADS ARE SEALED WITH SILICONE SEALANT & CORNERS ARE SEALED WITH DOW 795 SEALANT.
FIXED INTERLOCK MULLION: THE FIXED INTERLOCK MULLION IS SQUARE CUT AT ENDS & INSERTED BETWEEN THE ADJOINING HEAD TRACK AND SILL TRACK. THE FIXED INTERLOCK MULLION IS MECHANICALLY ATTACHED AT EACH END WITH FIVE(5) NO. 12 X 2" TYPE AB HWH TF SCREWS. ENDS ARE SEALED WITH DOW 795 SEALANT.
LOCK STILE MULLION: THE LOCK STILE MULLION WAS SQUARE CUT AT ENDS & INSERTED BETWEEN THE ADJOINING HEAD TRACK AND SILL TRACK. THE LOCK STILE MULLION IS MECHANICALLY ATTACHED AT EACH END WITH SIX(6) NO. 12 X 2" TYPE AB HWH TF SCREWS. ENDS ARE SEALED WITH DOW 795 SEALANT.
PANELS: THE RAILS ARE BUTTED TO THE STILES AND ARE MECHANICALLY ATTACHED TO THE STILES WITH TWO(2) NO. 12 X 2" TYPE AB HWH TF SCREWS. ENDS ARE SEALED WITH DOW 795 SEALANT.

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 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.

ALLOWABLE DESIGN PRESSURE		
GLASS OPTION	ALLOWABLE PRESSURE	
	POS.	NEG.
1	100 PSF	125 PSF
2	100 PSF	135 PSF

SEE GLAZING DETAIL ON SHEET 3 FOR GLASS OPTIONS.

WHEN JOB REQUIRED DESIGN PRESURE IS +50/-67.5 PSF OR LESS, JUST A SINGLE ROW OF ANCHORS ARE REQUIRED & SPACING OF SIDE FRAME ANCHORS MAY BE 22"; REGARDLESS OF SUBSTRATE.

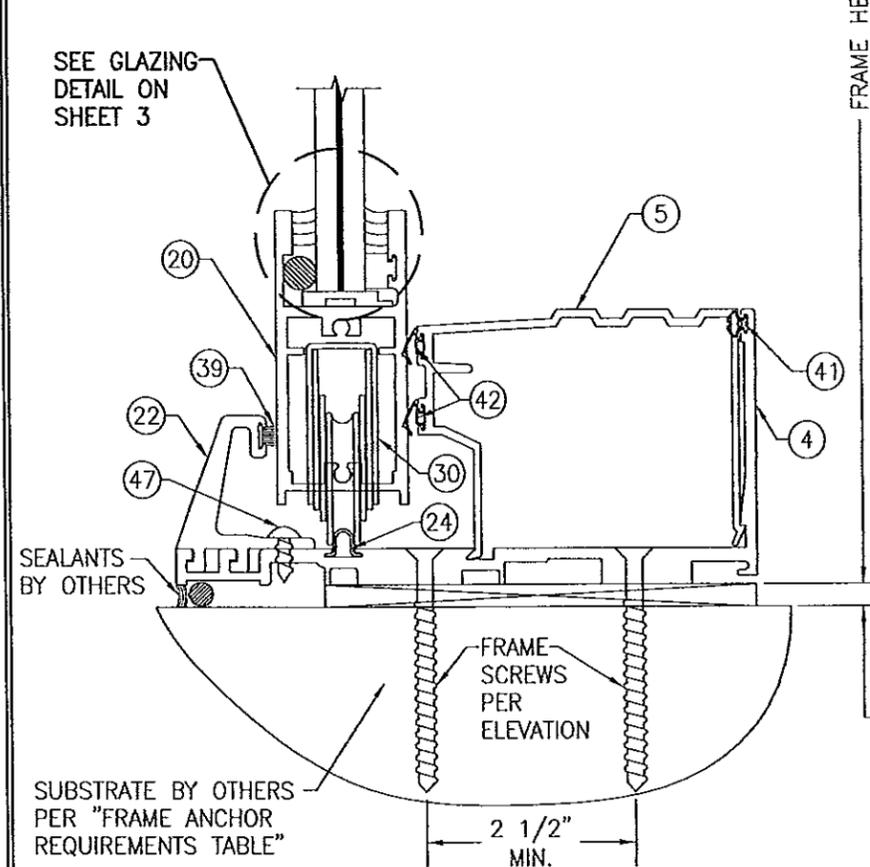
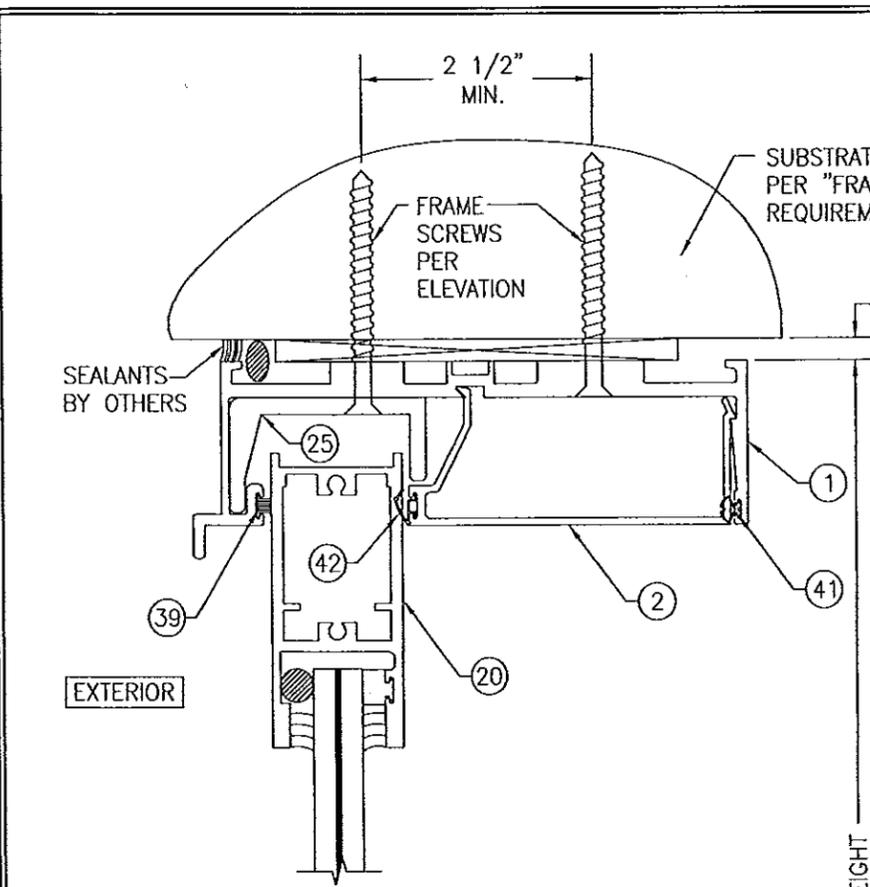
FRAME ANCHOR REQUIREMENTS TABLE

FRAME SCREWS			
OPENING TYPE (SUBSTRATE)	FRAME TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	(1) 5/16" CONCRETE SCREW	1 3/8"	1"
MIN. 16 GA. 33 KSI METAL STUD	1/4" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	1/4" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 0.1" THK 6063-T5 ALUM.	1/4" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 3000 PSI CONCRETE	(1) 5/16" CONCRETE SCREW	1 3/4"	2 1/2"
MIN. CONCRETE FILLED C-90 CMU	(1) 5/16" CONCRETE SCREW	1 3/4"	2 1/2"

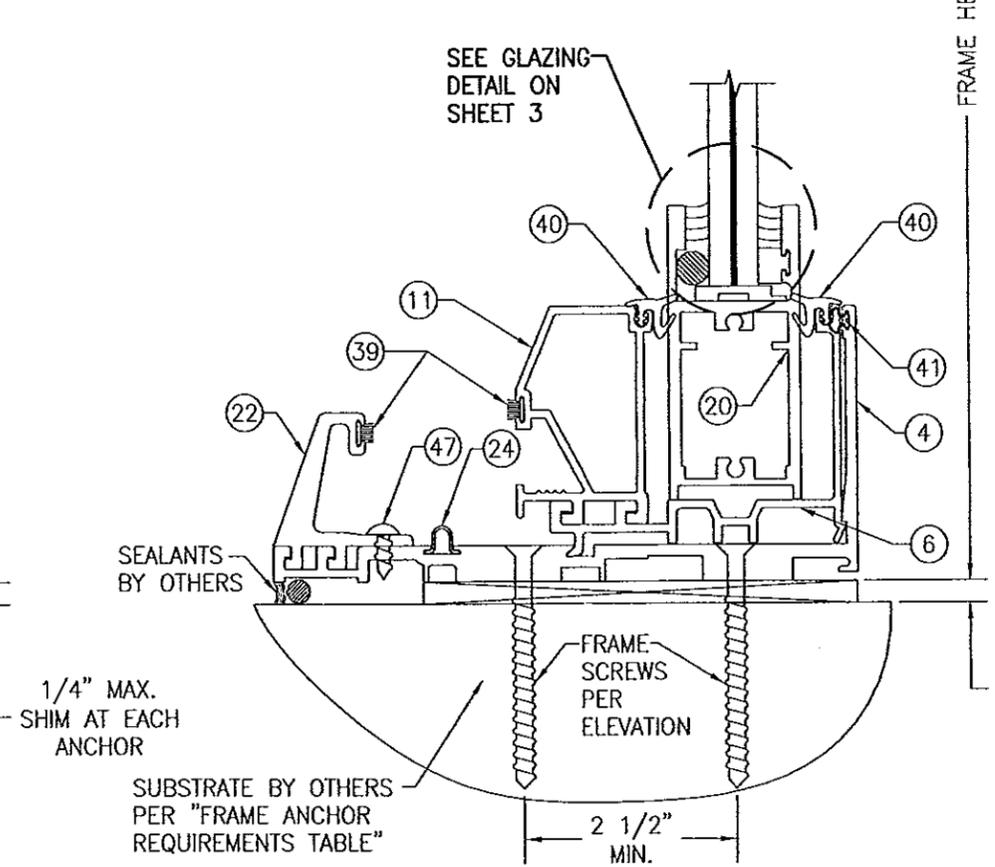
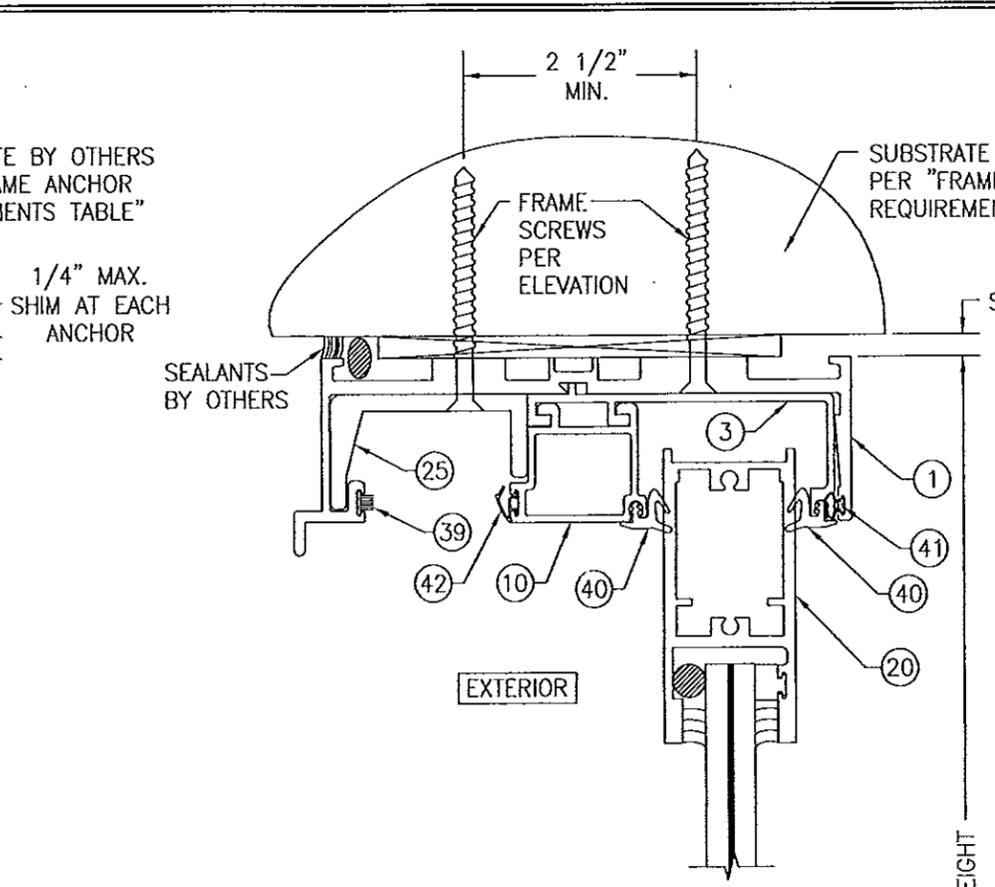
(1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS,

SIDE JAMB ANCHOR SPACING REQUIREMENTS		
SUBSTRATE	ANCHOR SPACING (SINGLE ROW)	ANCHOR SPACING (DOUBLE ROW)
WOOD	11" O.C.	22" O.C.
METAL STUD	11" O.C.	22" O.C.
STEEL	22" O.C.	22" O.C.
ALUMINUM	22" O.C.	22" O.C.
CONCRETE	22" O.C.	22" O.C.
CMU	16" O.C.	22" O.C.

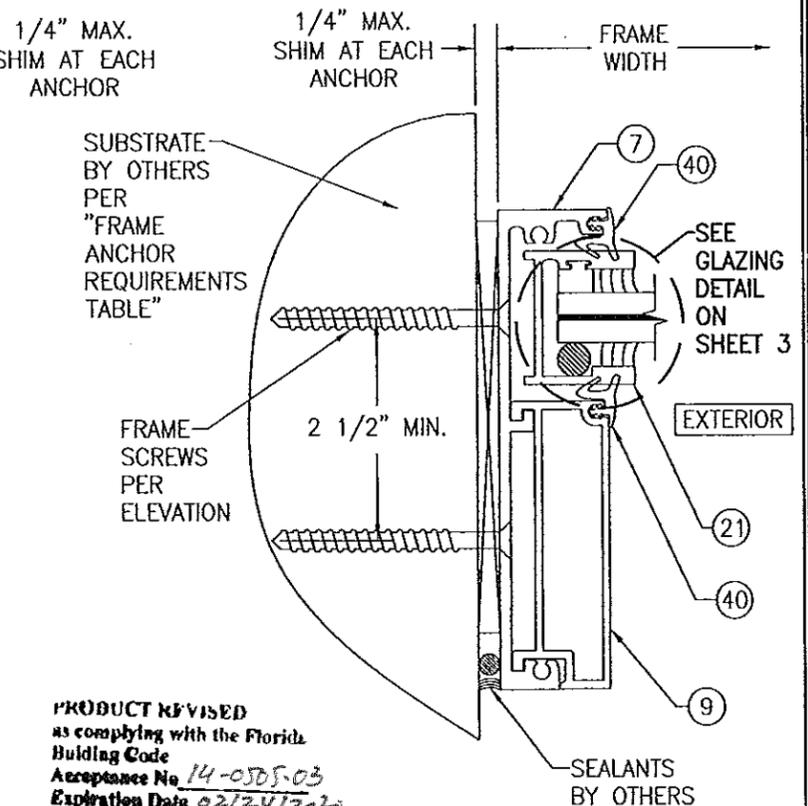
DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=24	DATE: 11/12/09
DATE 04/14/14	
BY WWS	
REVISION DESCRIPTION	
NO. 1	AT UPDATED CLASS JAMI NAMES
DRAWING TITLE HPX LARGE MISSILE IMPACT SLIDING GLASS DOOR	
MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
DRAWING NO. 1692	REV. A
SHEET NO. 1 OF 5	



SECTION A
SCALE: 1/2 FULL



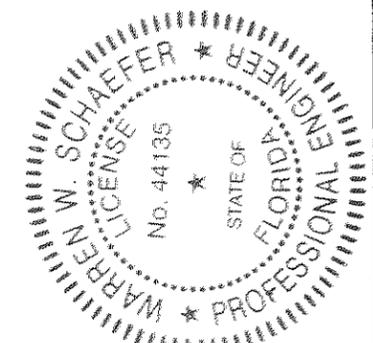
SECTION B
SCALE: 1/2 FULL



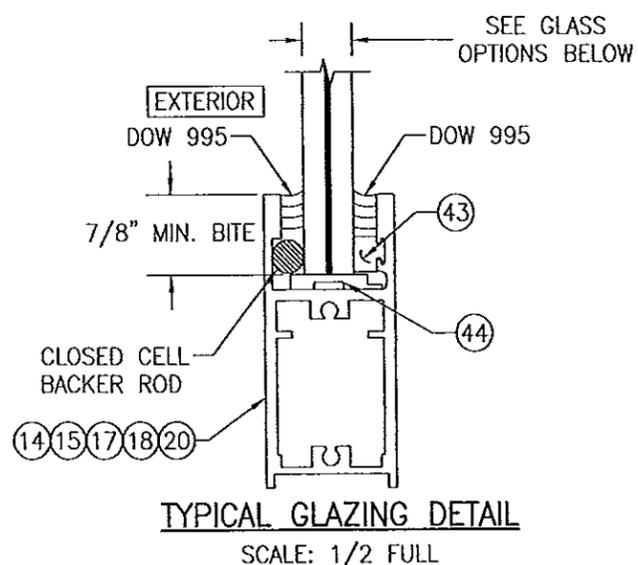
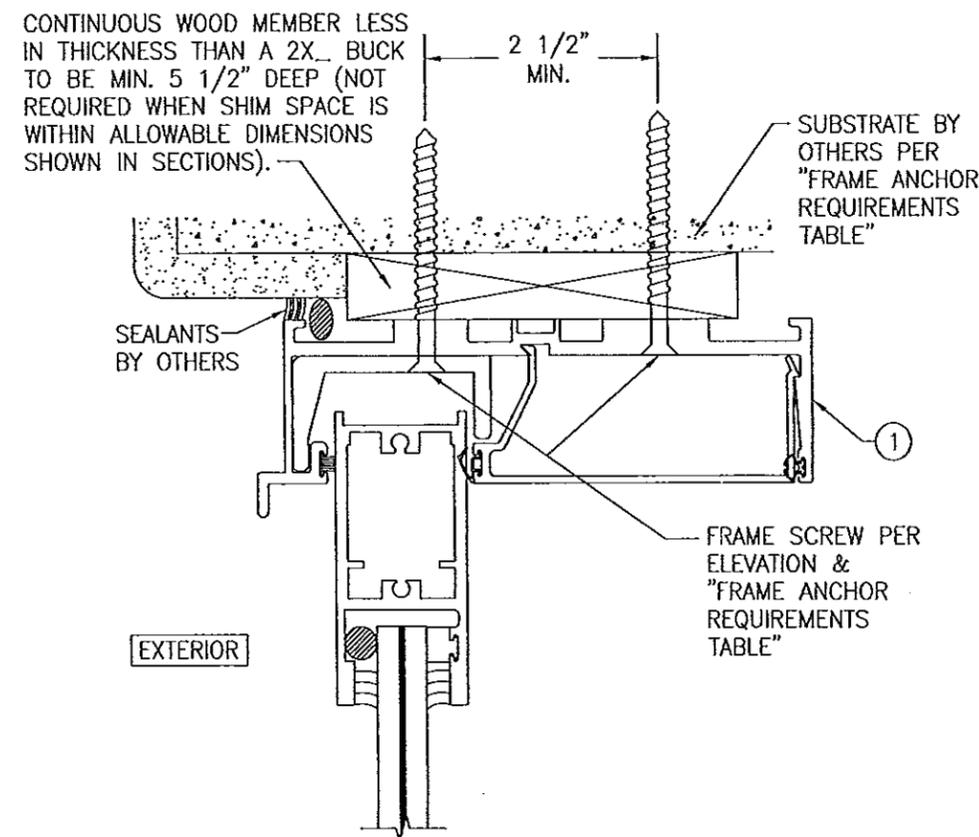
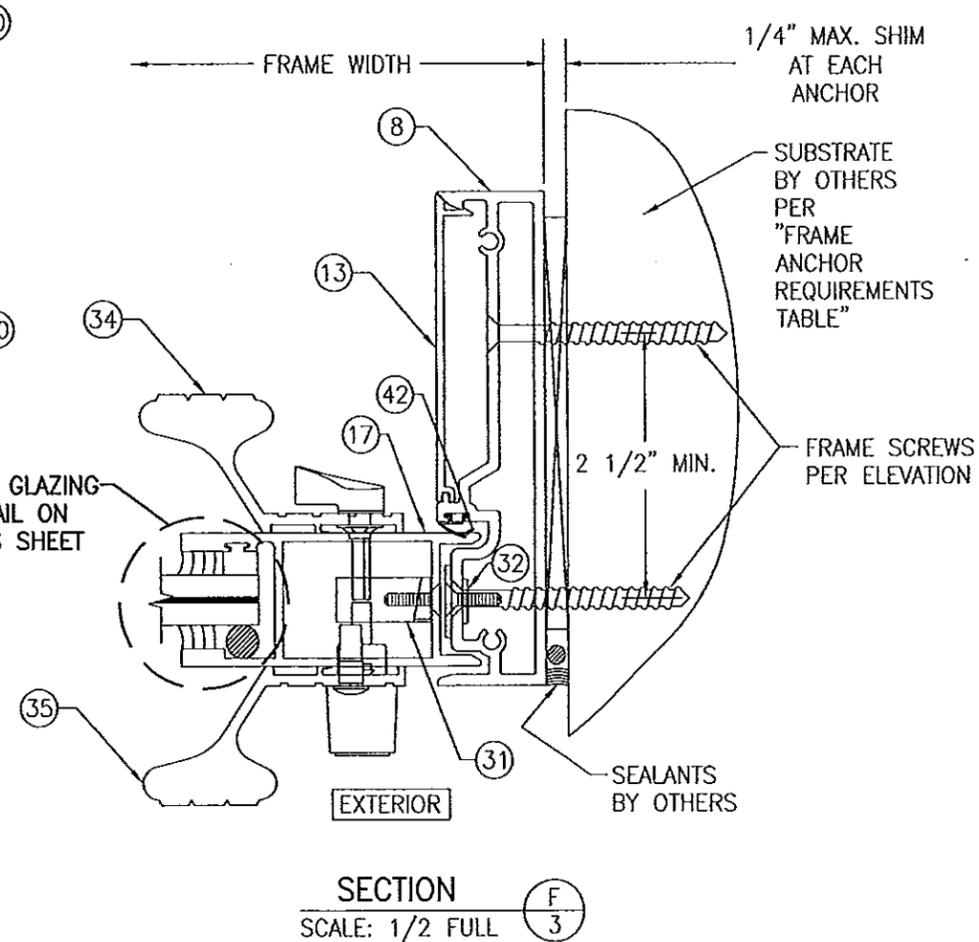
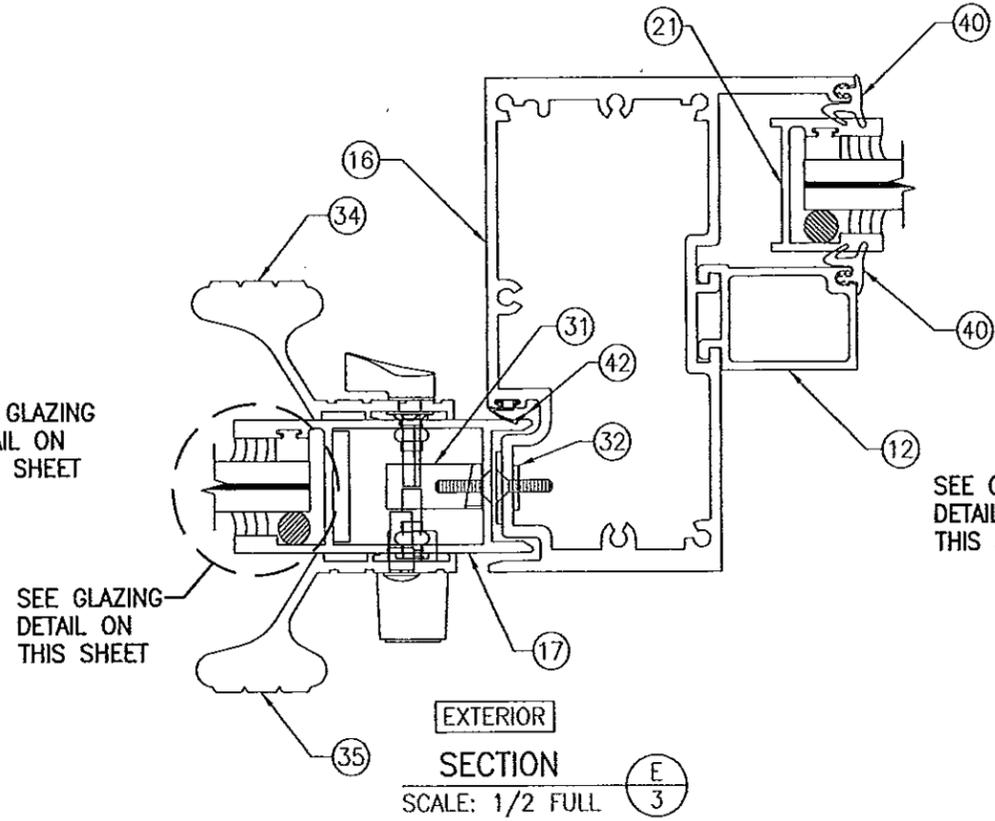
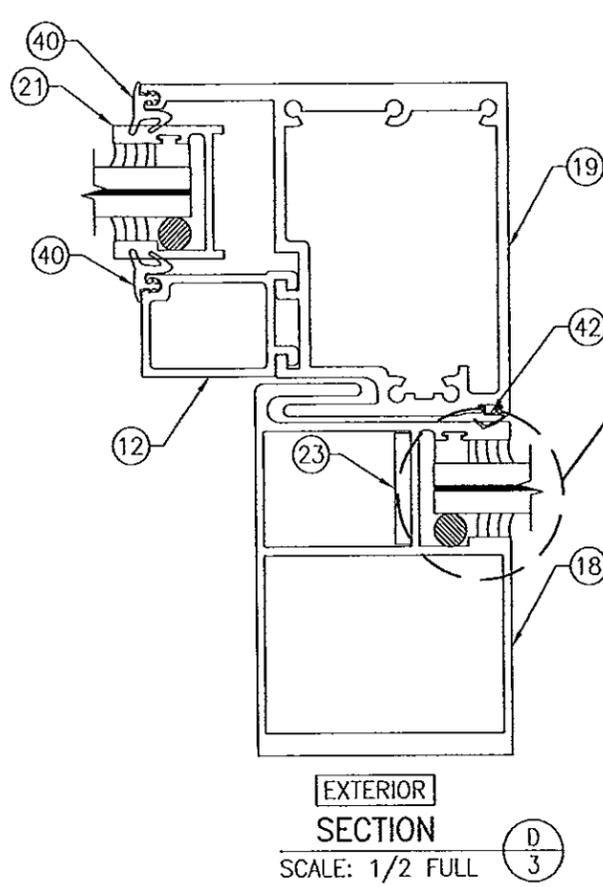
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-0505-03
Expiration Date 02/24/2020
By Ismael L. Chaves
Product Control

SECTION C
SCALE: 1/2 FULL

NOTE: 2 ANCHOR ROWS ARE SHOWN. 1 ROW ALSO APPLIES PER THE ELEVATIONS. WHEN 1 ROW IS USED, IT MAY BE POSITIONED AT EITHER THE INTERIOR OR EXTERIOR POSITION SHOWN.



DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 11/12/09
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE HPX LARGE MISSILE IMPACT SLIDING GLASS DOOR	
MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIDGE 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	APR 14 2014 WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1692	REV. A
SHEET NO. 2 OF 5	

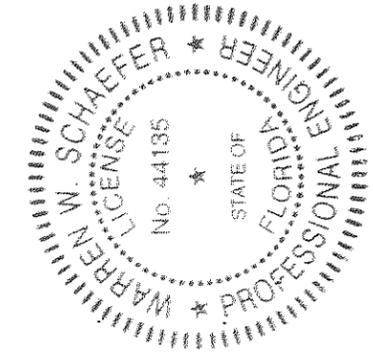


GLASS OPTION 1: 9/16" LAMINATED (1/4" H.S./0.10 DUPONT SG/1/4" H.S.)
GLASS OPTION 2: 9/16" LAMINATED (1/4" H.S./0.070 EASTMAN CHEMICAL CO. SAFLEX CP/1/4" H.S.)

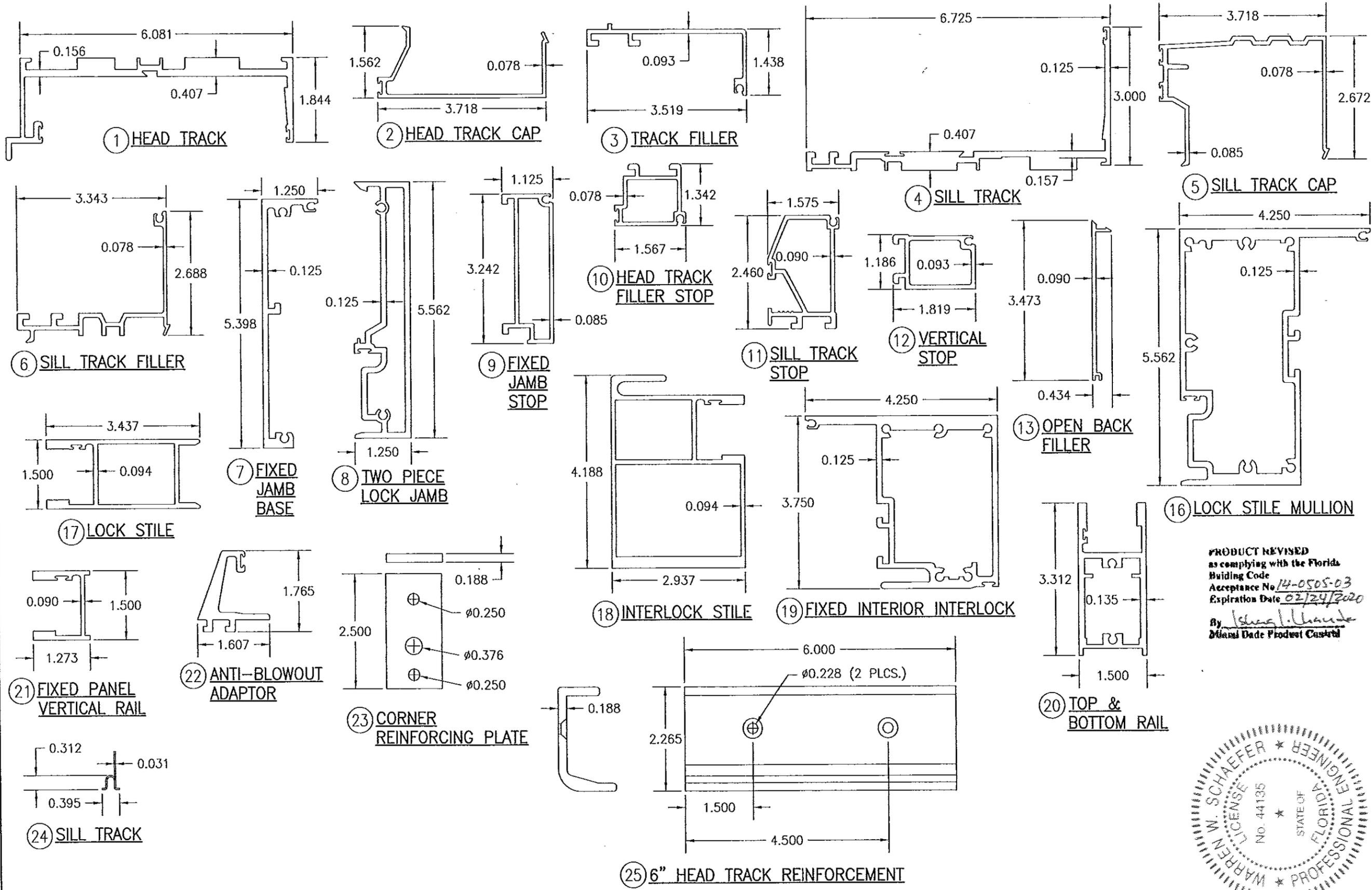
OPTIONAL DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER
(HEAD SECTION SHOWN; SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

NOTE: 2 ANCHOR ROWS ARE SHOWN. 1 ROW ALSO APPLIES PER THE ELEVATIONS. WHEN 1 ROW IS USED, IT MAY BE POSITIONED AT EITHER THE INTERIOR OR EXTERIOR POSITION SHOWN.

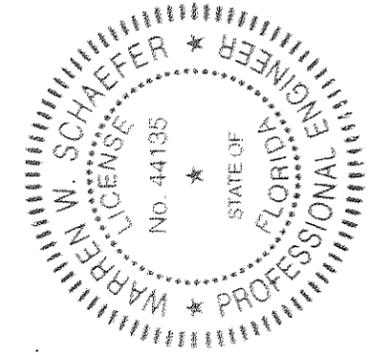
PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 14-0505-03
Expiration Date 02/24/2020
By: Ishar Chandra
Miami Dade Product Control



DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 11/12/09
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE HPX LARGE MISSILE IMPACT SLIDING GLASS DOOR	
MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIDGE 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 APR 14 2014 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	DRAWING NO. 1692
	REV. A
	SHEET NO. 3 OF 5



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 14-0505-03
 Expiration Date 02/24/2020
 By: *[Signature]*
 Miami Dade Product Control



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 11/12/09	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE HPX LARGE 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 APR 14 2014 WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1692		REV. A	
SHEET NO. 4 OF 5			

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS		
1	HEAD TRACK	6063-T6 ALUMINUM
2	HEAD TRACK CAP	6063-T6 ALUMINUM
3	HEAD TRACK FILLER	6063-T6 ALUMINUM
4	SILL TRACK	6063-T6 ALUMINUM
5	SILL TRACK CAP	6063-T6 ALUMINUM
6	SILL TRACK FILLER	6063-T6 ALUMINUM
7	FIXED JAMB BASE	6063-T6 ALUMINUM
8	TWO PIECE LOCK JAMB	6063-T6 ALUMINUM
9	FIXED JAMB STOP	6063-T6 ALUMINUM
10	HEAD TRACK FILLER STOP	6063-T6 ALUMINUM
11	SILL TRACK STOP	6063-T6 ALUMINUM
12	VERTICAL STOP	6063-T6 ALUMINUM
13	OPEN BACK FILLER	6063-T6 ALUMINUM
16	LOCK STILE MULLION	6063-T6 ALUMINUM
17	LOCK STILE	6063-T6 ALUMINUM
18	INTERLOCK STILE	6063-T6 ALUMINUM
19	FIXED INTERIOR INTERLOCK	6063-T6 ALUMINUM
20	TOP & BOTTOM RAIL	6063-T6 ALUMINUM
21	FIXED PANEL VERTICAL RAIL	6063-T6 ALUMINUM
22	ANTI-BLOWOUT ADAPTOR	6063-T6 ALUMINUM
23	CORNER REINFORCING PLATE	6063-T6 ALUMINUM
24	SILL TRACK	310 STAINLESS STEEL
25	6" HEAD TRACK REINFORCEMENT	6063-T6 ALUMINUM
HARDWARE		
30	TANDEM WHEEL ASSEMBLY	KAWNEER #594-451 S.S.
31	LATCH LOCK (2 PER PANEL)	ADAMS RITE MS1847 S.S.
32	LOCK STRIKE & BACKER PLATE	KAWNEER #089-410 & 089-411 S.S.
34	INTERIOR PULL WITH THUMBTURN	KAWNEER #591-416 6063-T6 ALUMINUM
35	EXTERIOR PULL AS REQ'D	KAWNEER #591-417 6063-T6 ALUMINUM
SEALS AND SEALANTS		
39	PILE WEATHER STIPPING	PB 9322 POLY BOND
40	FIXED GASKET	70+/-5 DUROMETER EPDM BY KRP
41	BULB WEATHER STRIP	INTEK #50230A
42	WEATHERING GASKET	G.E. GELOY BY ASTRO PLASTICS
44	SETTING BLOCK	EPDM
MISC. FASTENERS		
47	NO. 10 X 1/2" PFHTFS	2 13/16" FROM ENDS & MAX. 6" O.C.

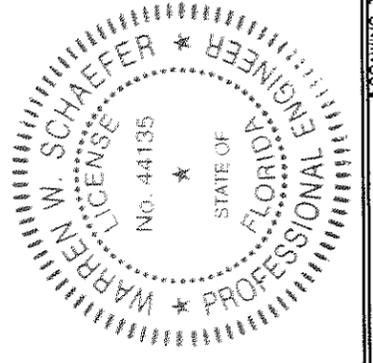
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 14-0505-03
 Expiration Date FEB 24, 2020
 By Ishag I. Chugh
 Miami Dade Product Control

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 11/12/09
DATE	
BY	
REVISION DESCRIPTION	
NO.	

DRAWING TITLE
HPX LARGE MISSILE IMPACT SLIDING GLASS DOOR

MANUFACTURER
KAWNEER COMPANY, INC.
 555 GUTHRIDGE 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
 APR 14 2014
 WARREN W. SCHAEFER, P.E.
 P.E. NO. 44135

DRAWING NO. 1692	REV. A
SHEET NO. 5 OF 5	