



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)**

[www.buildingcodeonline.com](http://www.buildingcodeonline.com)

**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 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 "HPX" Aluminum Sliding Glass Door-S.M.I.**

**APPROVAL DOCUMENT:** Drawing No 1469, titled "HPX Small Missile Impact Sliding Glass Door", sheets 1 through 6 of 6, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 01/24/06, 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**

**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*  
7/6/06

NOA No 06-0223.02  
Expiration Date: July 27, 2011  
Approval Date: July 27, 2006  
Page 1

**Kawneer Company, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's parts and sections drawings.
2. Drawing No **1469**, titled "HPX Small Missile Impact Sliding Glass Door", sheets 1 through 6 of 6, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 01/24/06, 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, 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 SFBC 2411 3.2.1, TAS 202-94along with the manufacturer's parts and section drawings of an aluminum sliding glass door, prepared by Hurricane Test Laboratory, LLC. Test Report No. **HTL-0231-0330-05**, dated 3/30-4/12/05, signed and sealed by Vinu J. Abraham, P.E.

**C. CALCULATIONS**

1. Anchor verification calculations, complying with FBC-2004, dated 03/14/06, prepared by AL-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

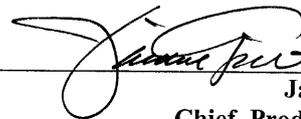
1. Notice of Acceptance No. **06-0216.06** issued to Solutia, Inc. for their "Saflex IIIIG Clear and Colored Interlayer" dated 05/05/06, expiring on 05/21/11.
2. Notice of Acceptance No. **01-1204.01** issued to E.I. DuPont DeNemours & Co., Inc., for their "DuPont Sentry Glass" dated 01/17/02, expiring on 01/14/07.

**F. STATEMENTS**

1. Conformance letter dated on 02/09/06, signed and sealed by Humayoun Farooq, P.E.
2. "No financial Interest" letter dated on 02/09/06, signed and sealed by Humayoun Farooq, P.E.

**G. OTHERS**

1. Letter from the consultant, dated 06/20/06, stating that the product is in compliance with the Florida Building Code (FBC).



Jaime D. Gascon, P.E.  
Chief, Product Control Division  
NOA No 06-0223.02  
Expiration Date: July 27, 2011  
Approval Date: July 27, 2006

DRAWN BY: W.R.M. CHECKED BY: W.W.S.  
 PLOT: 1=24 DATE: 01/24/06

NO.	REVISION DESCRIPTION	DATE	BY

**MANUFACTURER**  
**KAWNEER COMPANY, INC.**  
 555 GUTHRIDGE COURT  
 NORCROSS, GA 30092  
 770-449-5555

**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

**DRAWING TITLE**  
 HPX SMALL MISSILE IMPACT SLIDING GLASS DOOR

**CERTIFICATION**  
 JUN 14 2006  
 WAREX W. SCHAEFER, P.E.  
 P.E. NO. 44133

**DRAWING NO.**  
 1469

**SHEET NO.**  
 1 OF 6

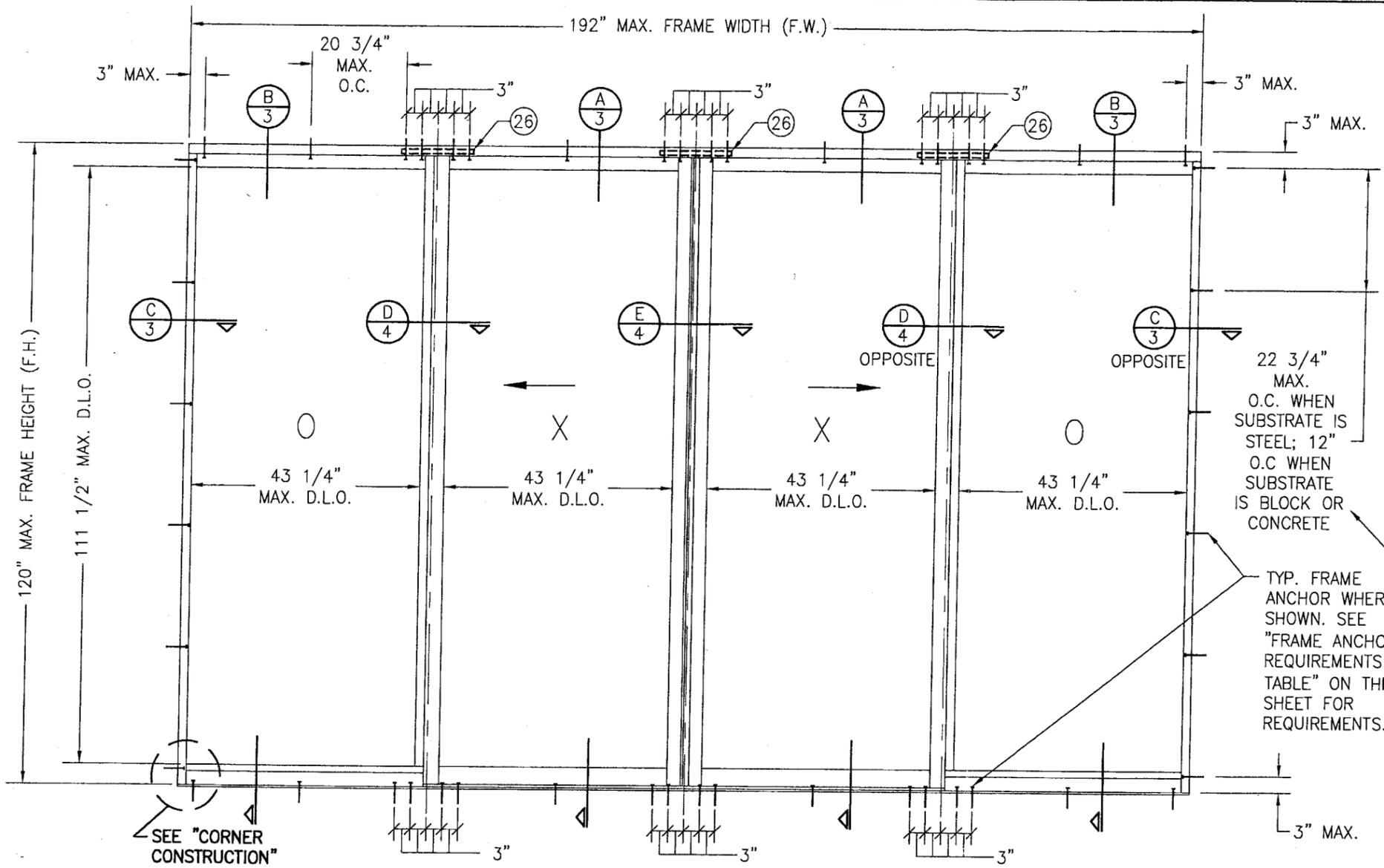
**CORNER CONSTRUCTION**

**FRAME CORNERS:**  
 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. EACH CORNER IS 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.

WHEN JOB REQUIRED DESIGN PRESSURE IS 60 PSF OR LESS, SPACING OF SIDE FRAME ANCHORS MAY BE 22 3/4" WITH ALL SUBSTRATES.



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

OPENING TYPE (SUBSTRATE)	JAMB TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
MIN. 0.125" THICK 36 KSI STRUCTURAL STEEL	(1) 1/4"-20 SELF TAPPING SCREW	FULL	1/2"
CONCRETE	(2) 1/4" CONCRETE SCREW	1 1/2"	2"
CMU	(2) 1/4" CONCRETE SCREW	1 1/4"	2"

(1) STEEL SCREWS SHALL BE ELCO OR DRILLFEX (HARDENED STEEL OR S.S.).  
 (2) CONCRETE SCREWS SHALL BE RAMSET RED HEAD TAPCONS, ELCO TAPCONS OR HILTI KWIK-CON II (HARDENED STEEL OR S.S.).

**ALLOWABLE DESIGN PRESSURE**  
 +100/-115 PSF  
 SMALL MISSILE IMPACT RATED

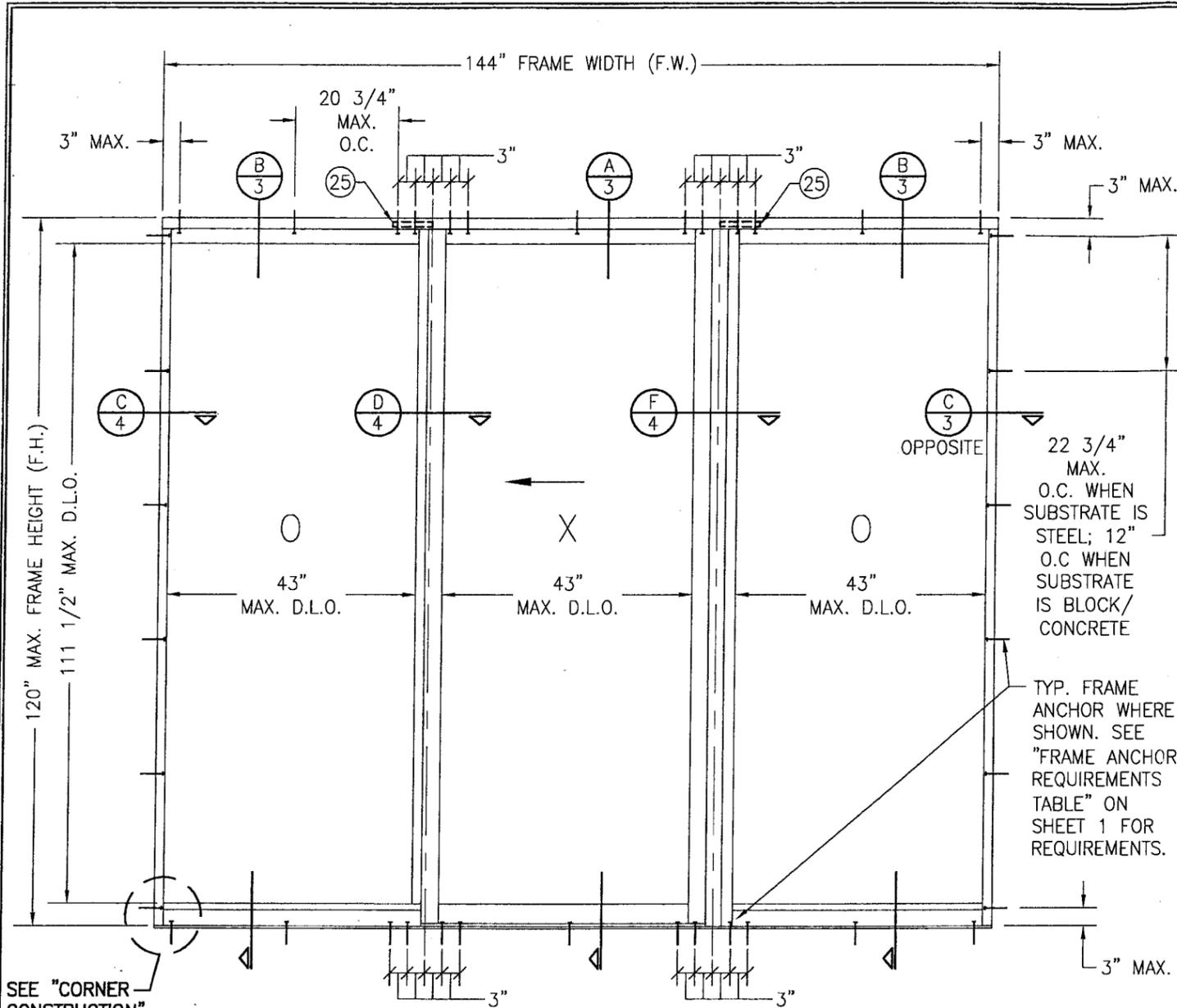
Approved as complying with the Florida Building Code  
 Date 07/27/06  
 NOAH 06-0223.02  
 Miami-Dade Product Control Division  
 By [Signature]

**GENERAL NOTES**

1. THESE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE PRESSURE 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, ANSI/AAMA/NWDA 101/1.S.2-97, ASTM E1886 & ASTM E1996 FOR SMALL MISSILE IMPACT SLIDING DOORS.
5. THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE DOORS PROVIDING THEY ARE INSTALLED AT AN ELEVATION OF MINIMUM 30 FT. ABOVE GRADE TO SILL WHEN BELOW 30 FT., THEY MUST BE SHUTTERED.
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 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. SUBSTRATE REQUIREMENTS: STRUCTURAL STEEL: MIN. 0.125" THICK 36 KSI.  
 CMU: MIN. 1800 PSI. (CMU AT SIDES ONLY)  
 CONCRETE: MIN. 3000 PSI.
10. 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.

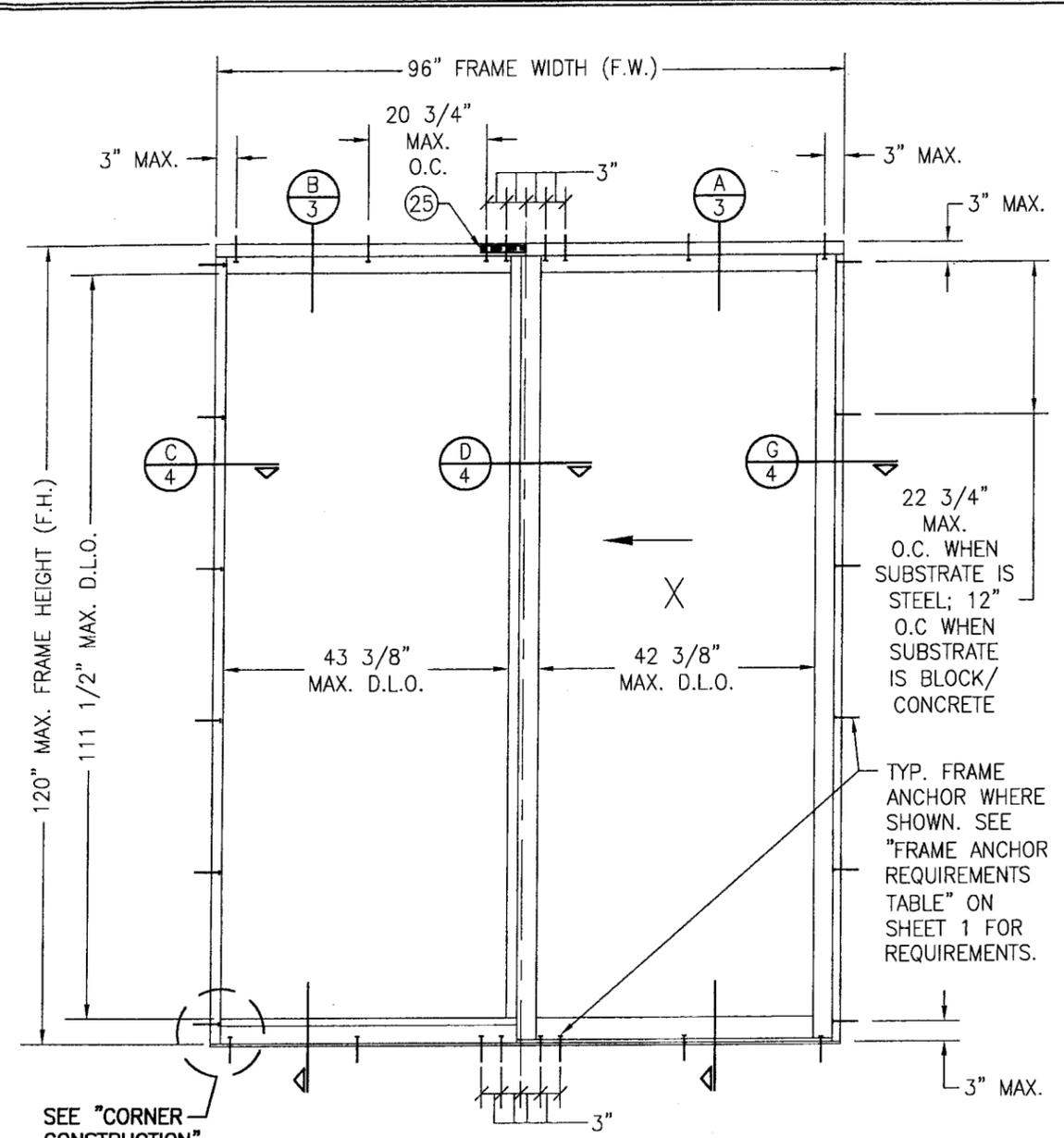
SEE "CORNER CONSTRUCTION" DESCRIPTION ON THIS SHEET

TYP. FRAME ANCHOR WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR REQUIREMENTS.



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

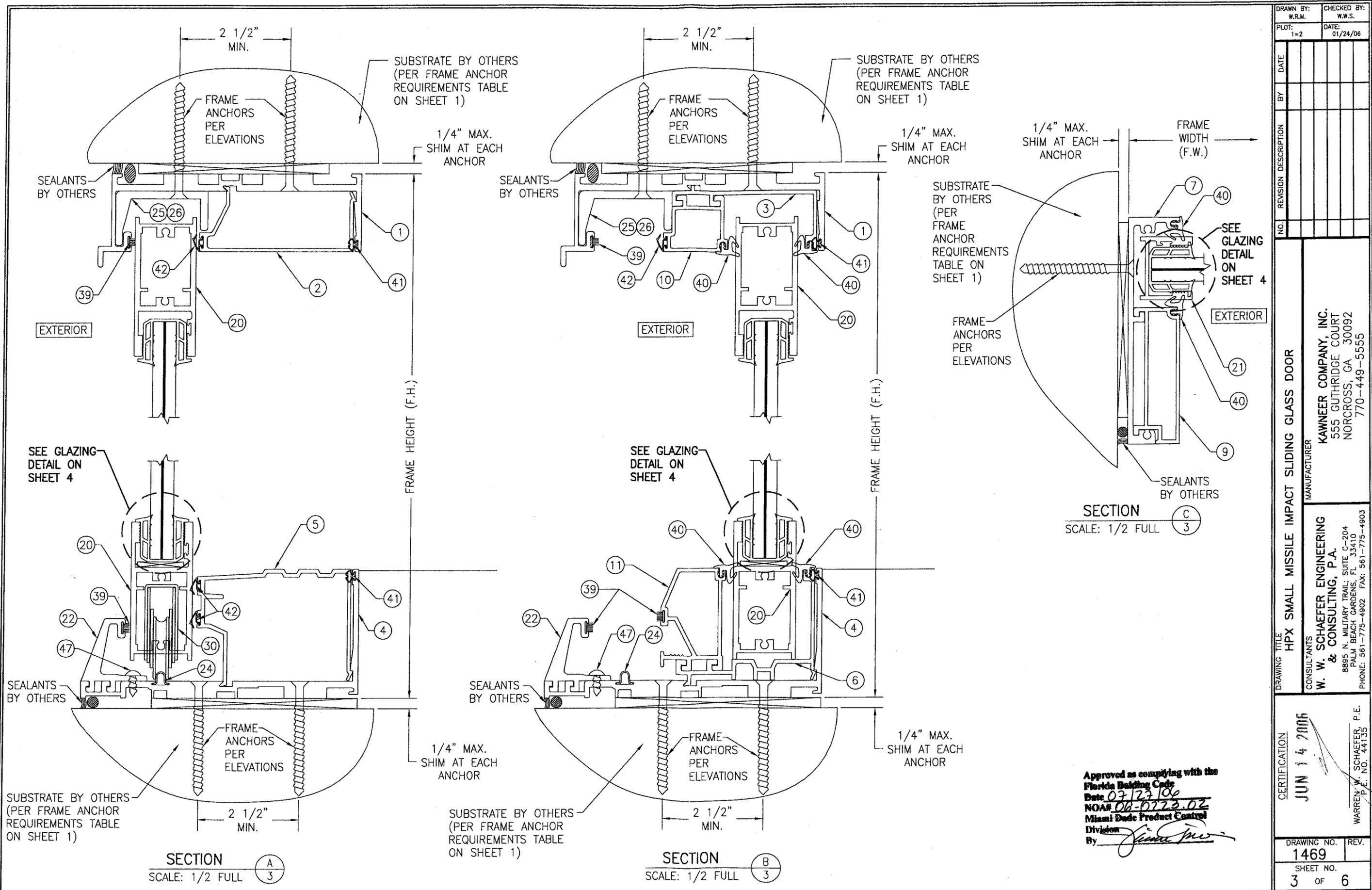
SEE "CORNER CONSTRUCTION" DESCRIPTION ON SHEET 1



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

SEE "CORNER CONSTRUCTION" DESCRIPTION ON SHEET 1

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 01/24/06	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE HPX SMALL MISSILE IMPACT SLIDING GLASS DOOR			
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		MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555	
CERTIFICATION JUN 14 2006 Approved as complying with the Florida Building Code Date 07/27/06 NOA# 06-0223.02 Miami Dade Product Control Division By <i>Warren W. Schaefer</i>			
DRAWING NO. 1469		REV.	
SHEET NO. 2		OF 6	



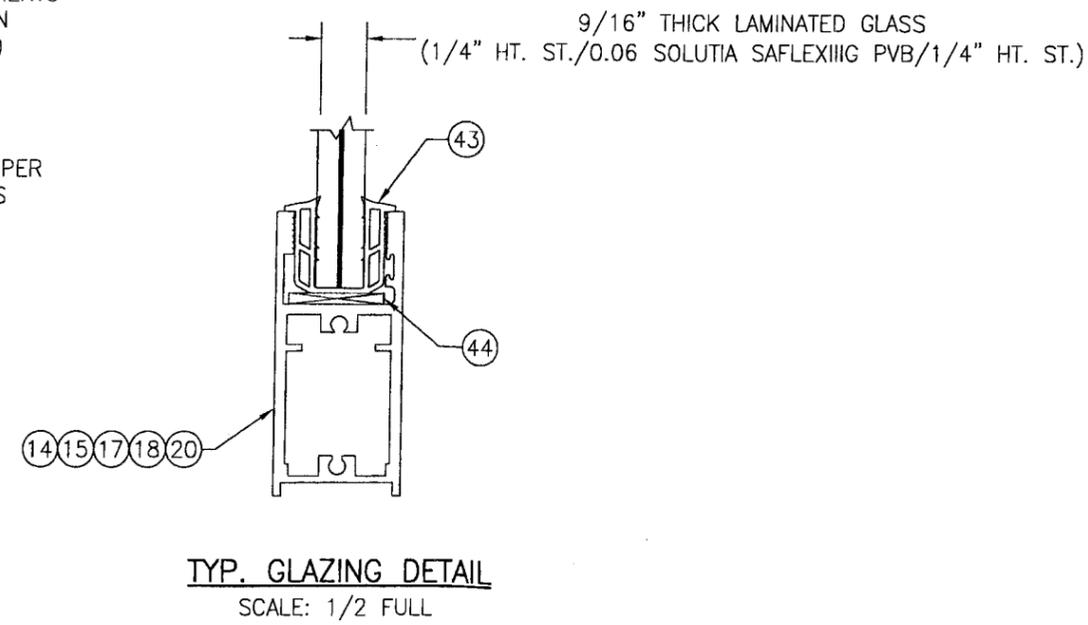
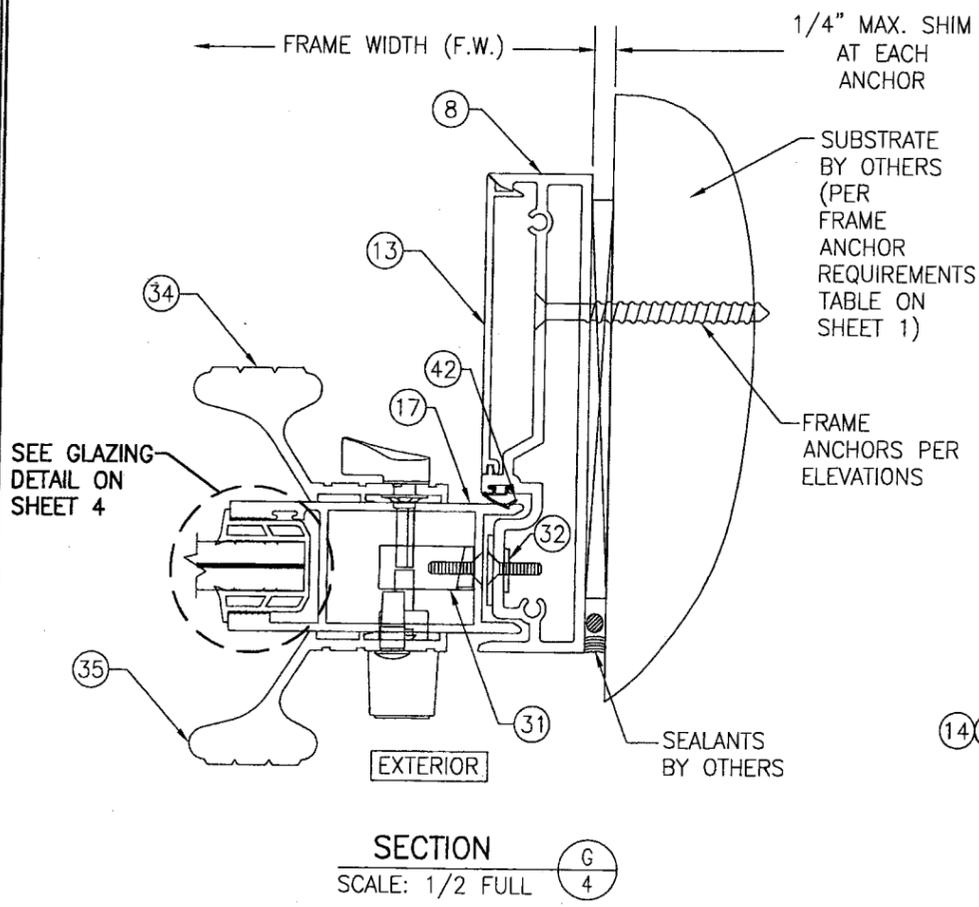
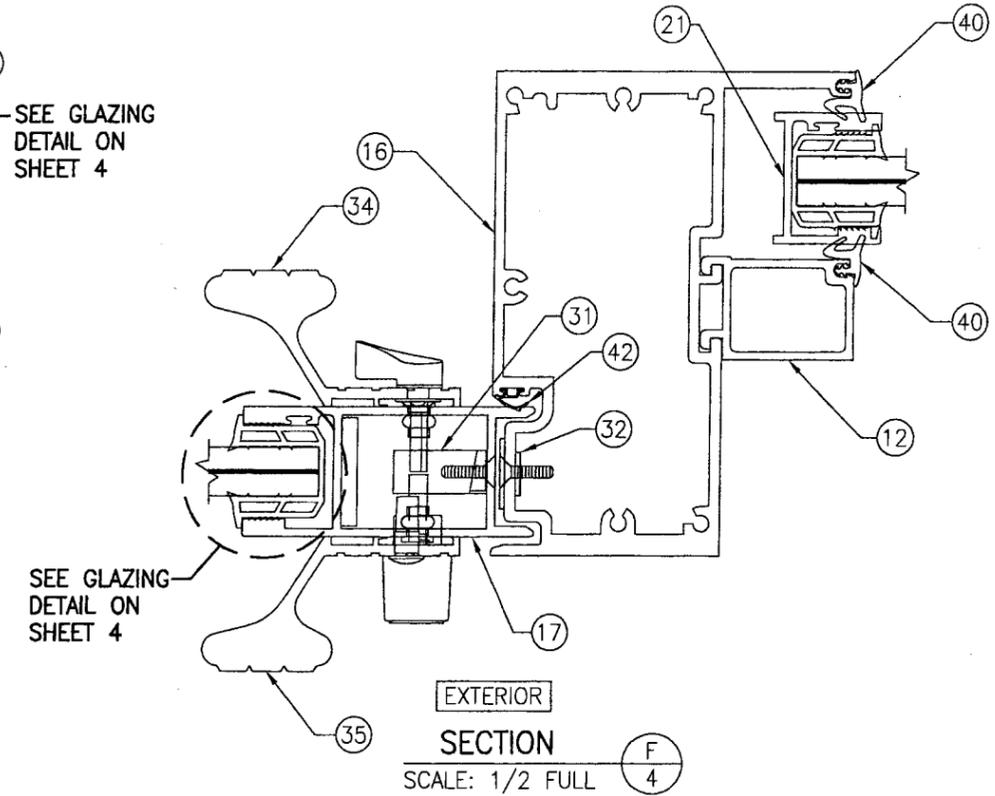
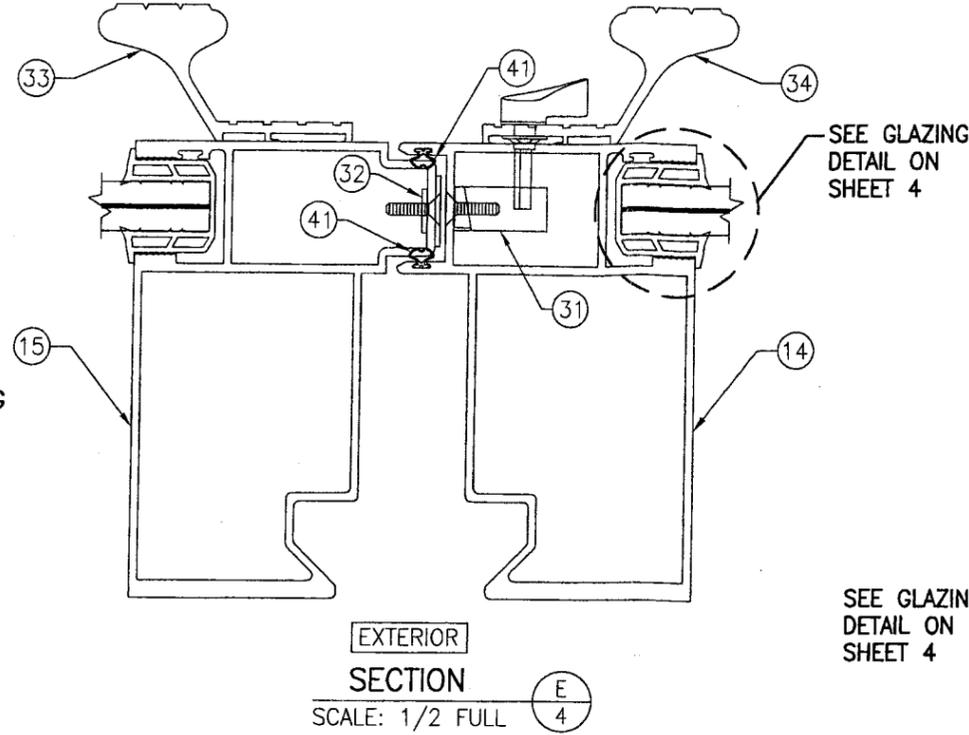
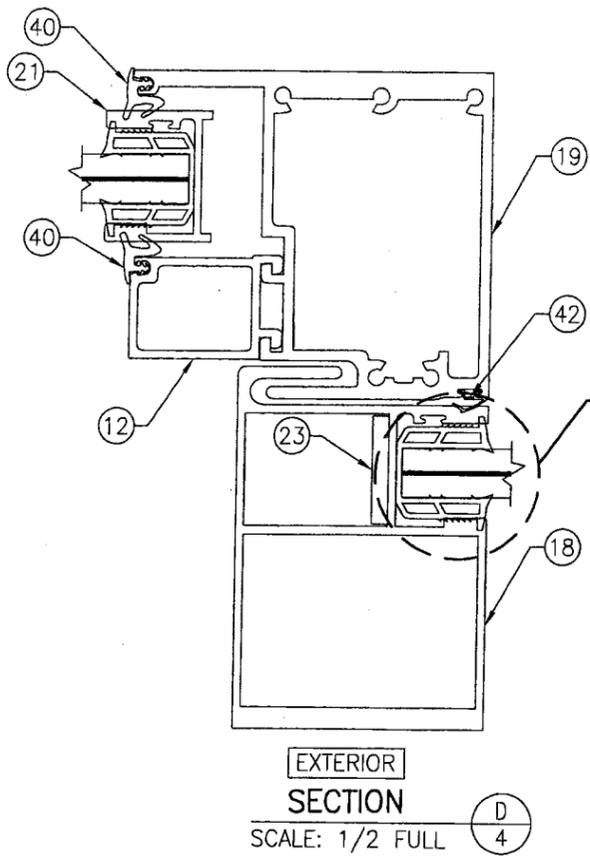
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PLOT: 1=2		DATE: 01/24/06	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE <b>HPX SMALL MISSILE IMPACT SLIDING GLASS DOOR</b>			
MANUFACTURER <b>KAWNEER COMPANY, INC.</b> 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555			
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b> 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4802 FAX: 561-775-4803			
CERTIFICATION <b>JUN 14 2006</b> WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. <b>1469</b>		REV. 	
SHEET NO. <b>3</b>		OF <b>6</b>	

SECTION **C**  
SCALE: 1/2 FULL

SECTION **A**  
SCALE: 1/2 FULL

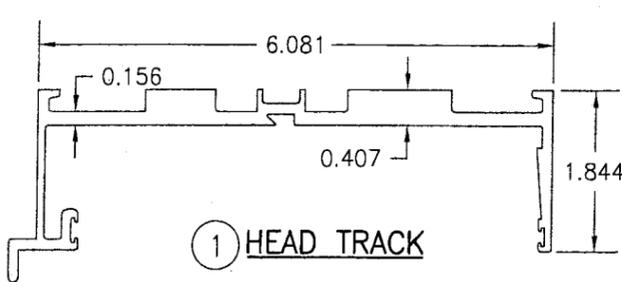
SECTION **B**  
SCALE: 1/2 FULL

Approved as complying with the Florida Building Code  
Date 07/27/06  
NOAH 06-0223.02  
Miami Dade Product Control  
By Jim M...

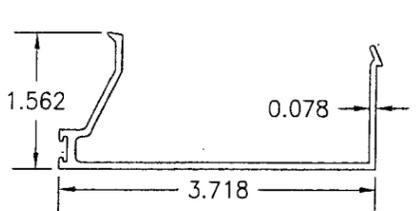


Approved as complying with the Florida Building Code  
Date 07/23/06  
NOA# 06-0223.02  
Miami Dade Product Control Division  
By *[Signature]*

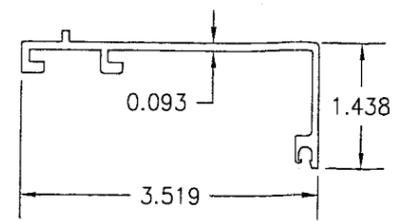
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PLOT: 1=2		DATE: 01/24/06	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: HPX SMALL MISSILE IMPACT SLIDING GLASS DOOR			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: KAWNEER COMPANY, INC.	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555	
CERTIFICATION: JUN 14 2006			
DRAWING NO. 1469		REV.	
SHEET NO. 4 OF 6			



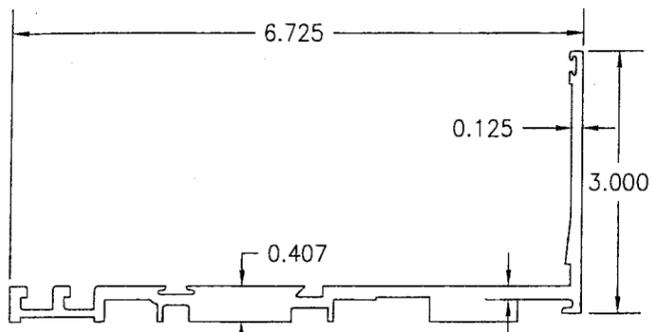
① HEAD TRACK



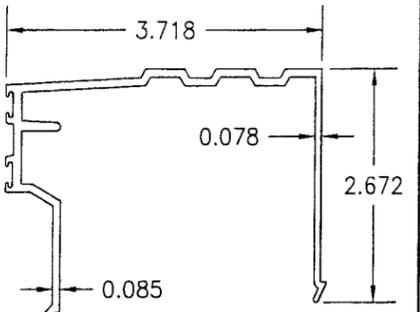
② HEAD TRACK CAP



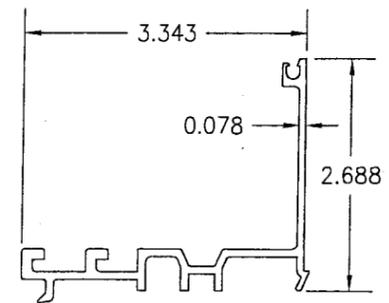
③ TRACK FILLER



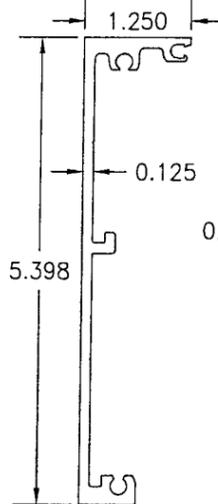
④ SILL TRACK



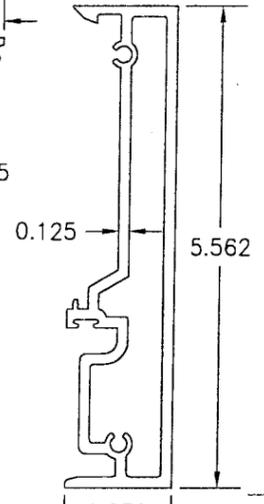
⑤ SILL TRACK CAP



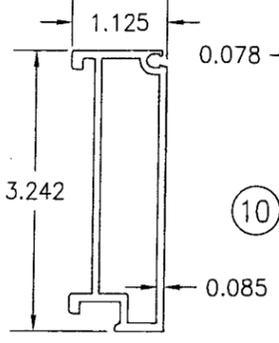
⑥ SILL TRACK FILLER



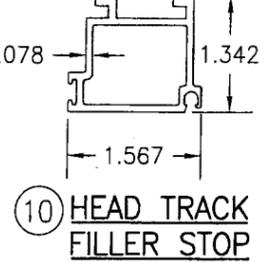
⑦ FIXED JAMB BASE



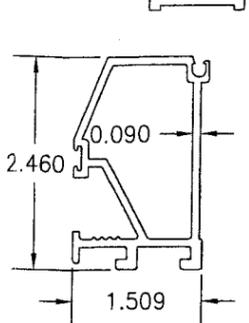
⑧ TWO PIECE LOCK JAMB



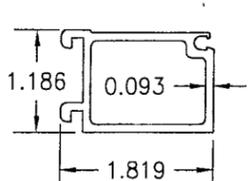
⑨ FIXED JAMB STOP



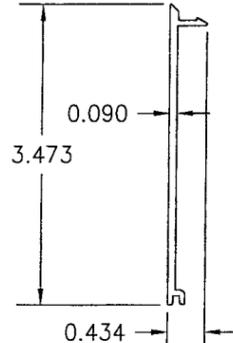
⑩ HEAD TRACK FILLER STOP



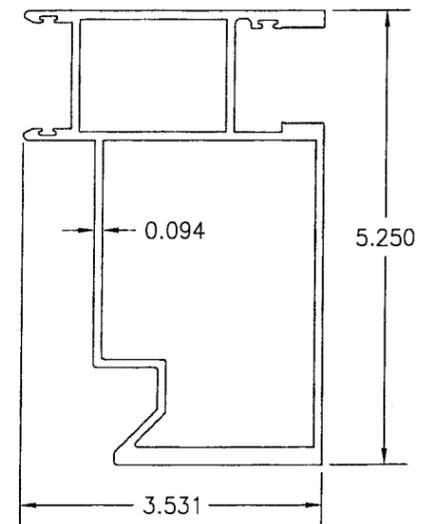
⑪ SILL TRACK STOP



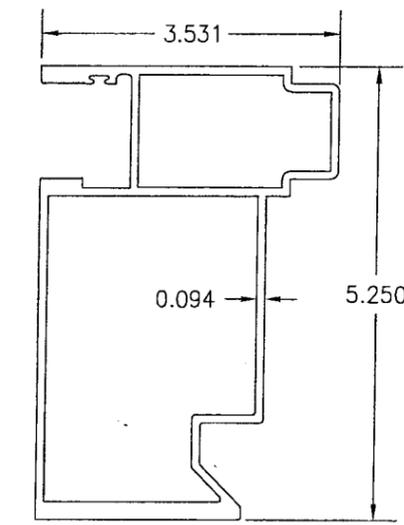
⑫ VERTICAL STOP



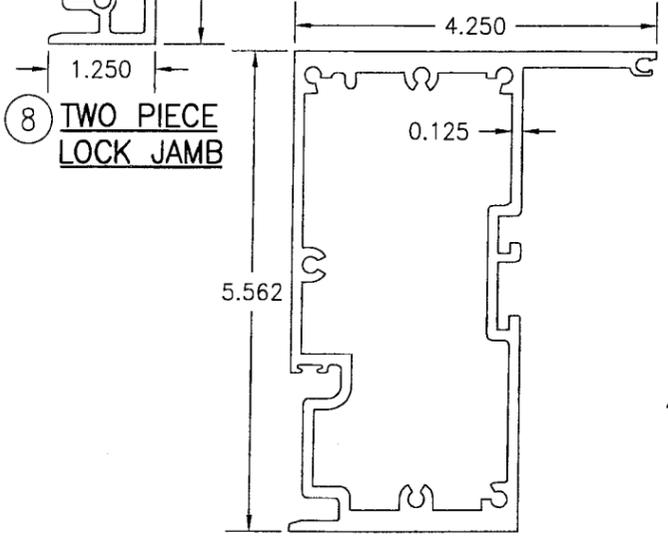
⑬ OPEN BACK FILLER



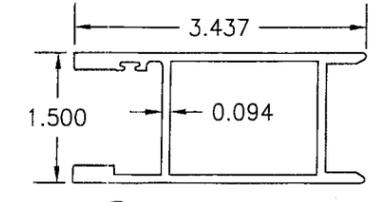
⑭ LOCK STILE - OXXO



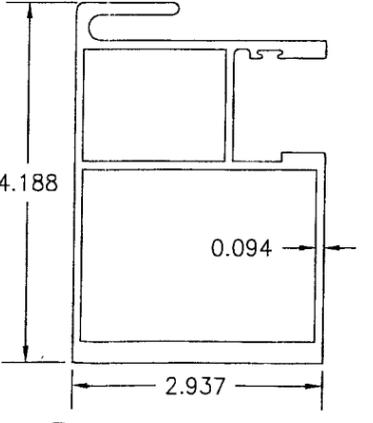
⑮ LATCH STILE - OXXO



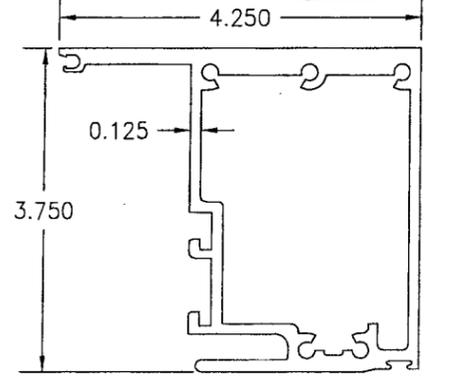
⑯ LOCK STILE MULLION



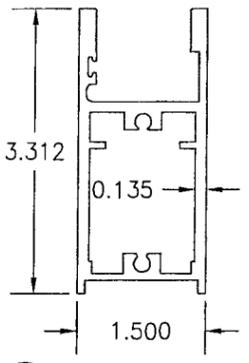
⑰ LOCK STILE



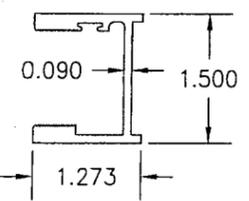
⑱ INTERLOCK STILE



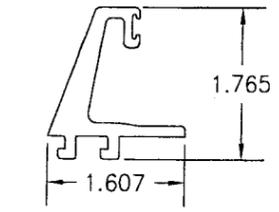
⑲ FIXED INTERIOR INTERLOCK



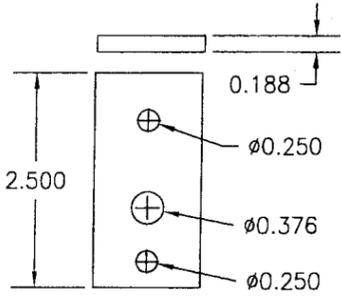
⑳ TOP & BOTTOM RAIL



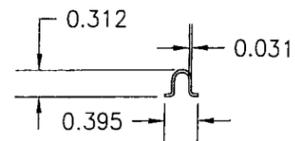
㉑ FIXED PANEL VERTICAL RAIL



㉒ ANTI-BLOWOUT ADAPTOR

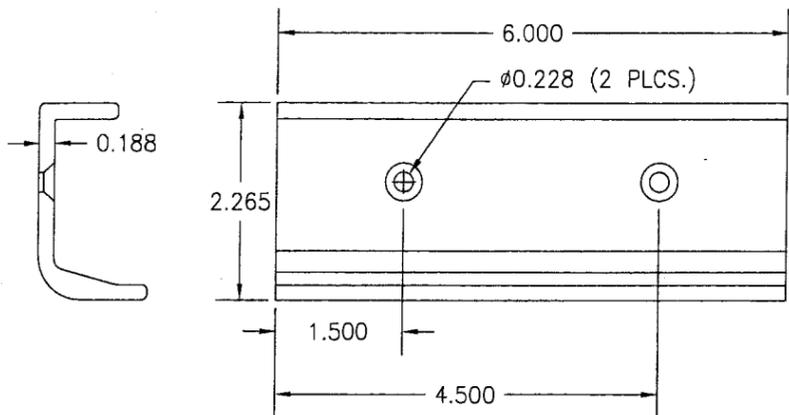


㉓ CORNER REINFORCING PLATE

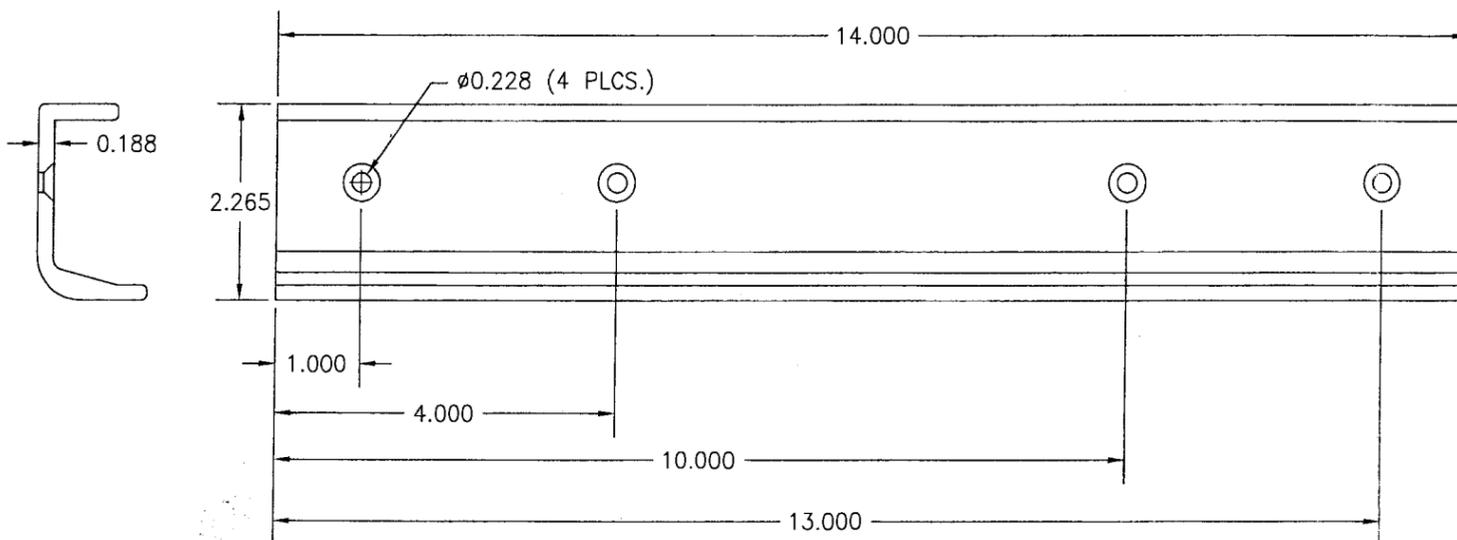


㉔ SILL TRACK

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 01/24/08	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: HPX SMALL 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. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903			
CERTIFICATION: JUN 14 2006 Approved as complying with the Florida Building Code Date: 07/27/06 NOA#: 06-0723.02 Miami Dade Product Control Division By: <i>[Signature]</i>			
DRAWING NO. 1469		REV.	
SHEET NO. 5		OF 6	



25 6" HEAD TRACK REINFORCEMENT



26 14" HEAD TRACK REINFORCEMENT - OXXO

ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	592-028	HEAD TRACK	6063-T6 ALUMINUM
2	592-005	HEAD TRACK CAP	6063-T6 ALUMINUM
3	592-007	HEAD TRACK FILLER	6063-T6 ALUMINUM
4	592-029	SILL TRACK	6063-T6 ALUMINUM
5	592-027	SILL TRACK CAP	6063-T6 ALUMINUM
6	592-011	SILL TRACK FILLER	6063-T6 ALUMINUM
7	592-023	FIXED JAMB BASE	6063-T6 ALUMINUM
8	591-070	TWO PIECE LOCK JAMB	6063-T6 ALUMINUM
9	592-024	FIXED JAMB STOP	6063-T6 ALUMINUM
10	592-008	HEAD TRACK FILLER STOP	6063-T6 ALUMINUM
11	592-026	SILL TRACK STOP	6063-T6 ALUMINUM
12	592-022	VERTICAL STOP	6063-T6 ALUMINUM
13	162-021	OPEN BACK FILLER	6063-T6 ALUMINUM
14	592-021	LOCK STILE - OXXO	6063-T6 ALUMINUM
15	591-039	LATCH STILE - OXXO	6063-T6 ALUMINUM
16	592-013	LOCK STILE MULLION	6063-T6 ALUMINUM
17	592-014	LOCK STILE	6063-T6 ALUMINUM
18	592-017	INTERLOCK STILE	6063-T6 ALUMINUM
19	592-016	FIXED INTERIOR INTERLOCK	6063-T6 ALUMINUM
20	592-018	TOP & BOTTOM RAIL	6063-T6 ALUMINUM
21	592-012	FIXED PANEL VERTICAL RAIL	6063-T6 ALUMINUM
22	592-009	ANTI-BLOWOUT ADAPTOR	6063-T6 ALUMINUM
23	590-403	CORNER REINFORCING PLATE	6063-T6 ALUMINUM
24	925-393	SILL TRACK	310 STAINLESS STEEL
25	592-405	6" HEAD TRACK REINFORCEMENT	6063-T6 ALUMINUM
26	592-406	14" HEAD TRACK REINFORCEMENT - OXXO	6063-T6 ALUMINUM
HARDWARE			
30	590-411	TANDEM WHEEL ASSEMBLY	STAINLESS STEEL
31	911-581	LATCH LOCK	ADAMS RITE 1847 (STAINLESS STEEL)
32	089-426	LOCK STRIKE & BACKER PLATE	STAINLESS STEEL
33	591-412	INTERIOR PULL AS REQ'D	6063-T6 ALUMINUM
34	591-415	INTERIOR PULL AS REQ'D	6063-T6 ALUMINUM
35	591-416	EXTERIOR PULL AS REQ'D	6063-T6 ALUMINUM
36	591-417	EXTERIOR PULL AS REQ'D	6063-T6 ALUMINUM
SEALS AND SEALANTS			
39	027-088	PILE WEATHER STIPPING	PB 9322 POLY BOND
40	027-074	FIXED GASKET	EPDM BY KRP
41	027-579	BULB WEATHER STRIP	INTEK #50230A
42	027-110	WEATHERING GASKET	G.E. GELOY BY ASTRO PLASTICS
43	127-003	GLAZING CHANNEL	FLEXIBLE PVC UNITED PLASTICS CORP
44	027-423	SETTING BLOCK	EPDM BY KRP
MISC. FASTENERS			
47	977-108	NO. 10 X 1/2" PFHTFS	2 13/16" FROM ENDS & MAX. 6" O.C.

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 01/24/06
DATE	
BY	
REVISION DESCRIPTION	
NO.	

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

CERTIFICATION  
**JUN 14 2006**  
 WARREN W. SCHAEFER, P.E.  
 P.E. NO. 44135

DRAWING NO. 1469  
 SHEET NO. 6 OF 6

Approved as complying with the  
 Florida Building Code  
 Date 07/27/06  
 NCAS 06-0223.02  
 Miami Date Product Control  
 Division  
 By *[Signature]*