



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.miamidade.gov/buildingcode

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 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 "2000T Terrace" Outswing Aluminum French Doors - SMI

APPROVAL DOCUMENT: Drawing No. 1523, titled "2000T Terrace Small Missile Impact Out-Swing Door", sheets 1 through 4 of 4, dated April 10, 2007, 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: 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 page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Jaime D. Gascon, P.E.**



J Gascon
6/28/07

NOA No. 07-0509.01
Expiration Date: July 18, 2012
Approval Date: July 19, 2007
Page 1

Kawneer Company, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **1523**, titled "2000T Terrace Small Missile Impact Out-Swing Door", sheets 1 through 4 of 4, dated April 10, 2007, 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 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 202-94
along with marked-up drawings and installation diagram, prepared by Hurricane Test Laboratory, LLC., Test Report No. **HTL-G049-0907-06**, dated September 20, 2006, 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) 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 202-94
along with marked-up drawings and installation diagram, prepared by Hurricane Test Laboratory, LLC., Test Report No. **HTL-G049-1201-06**, dated December 12, 2006, signed and sealed by Vinu J. Abraham, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.
Complies with ASTM E1300-98/ 02

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

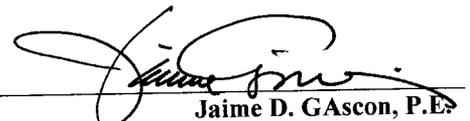
1. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their "**Saflex III G Clear or colored interlayer**" dated May 04, 2006, expiring on May 21, 2011.
2. Notice of Acceptance No. **05-1208.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Butacite PVB, Interlayer**" dated January 05, 2006, expiring on December 11, 2010.

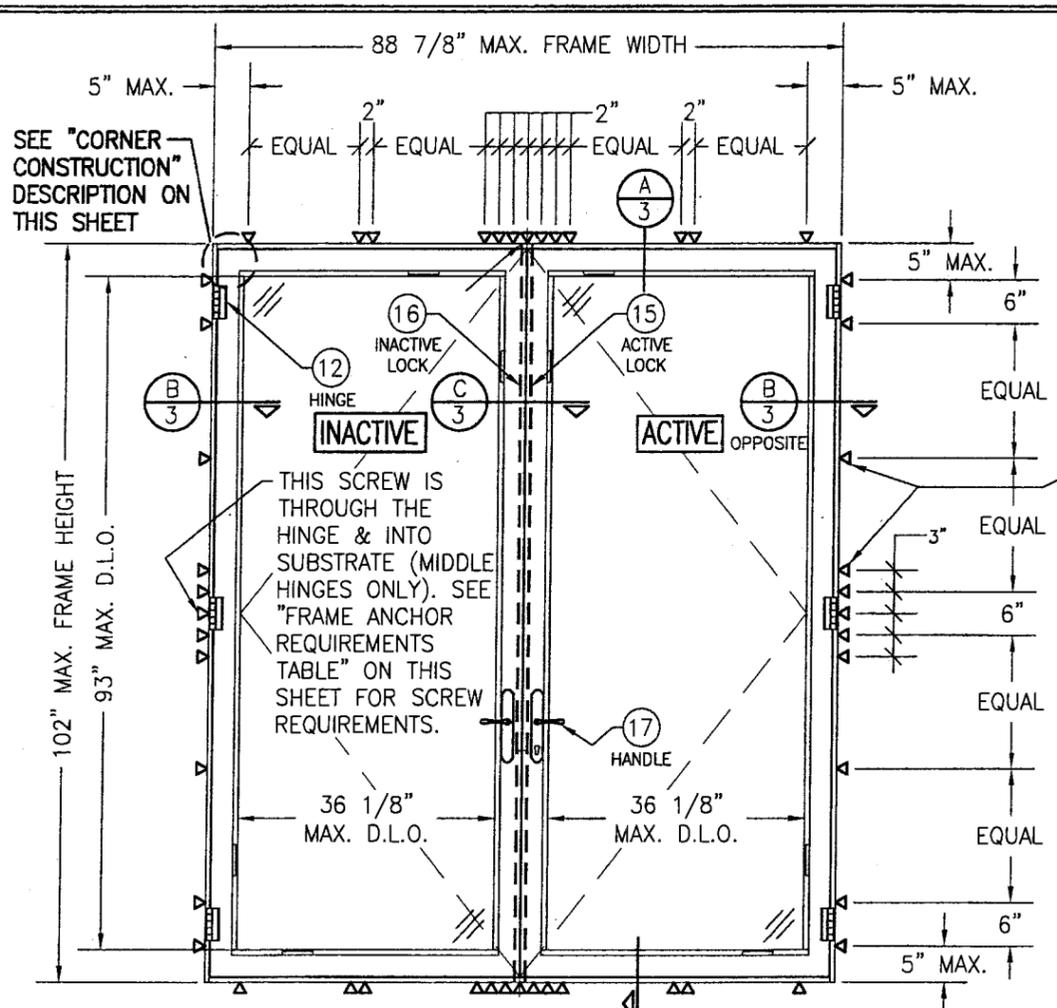
F. STATEMENTS

1. Statement letter of conformance and no financial, dated April 10, 2007, signed and sealed by Warren W. Schaefer, P.E.

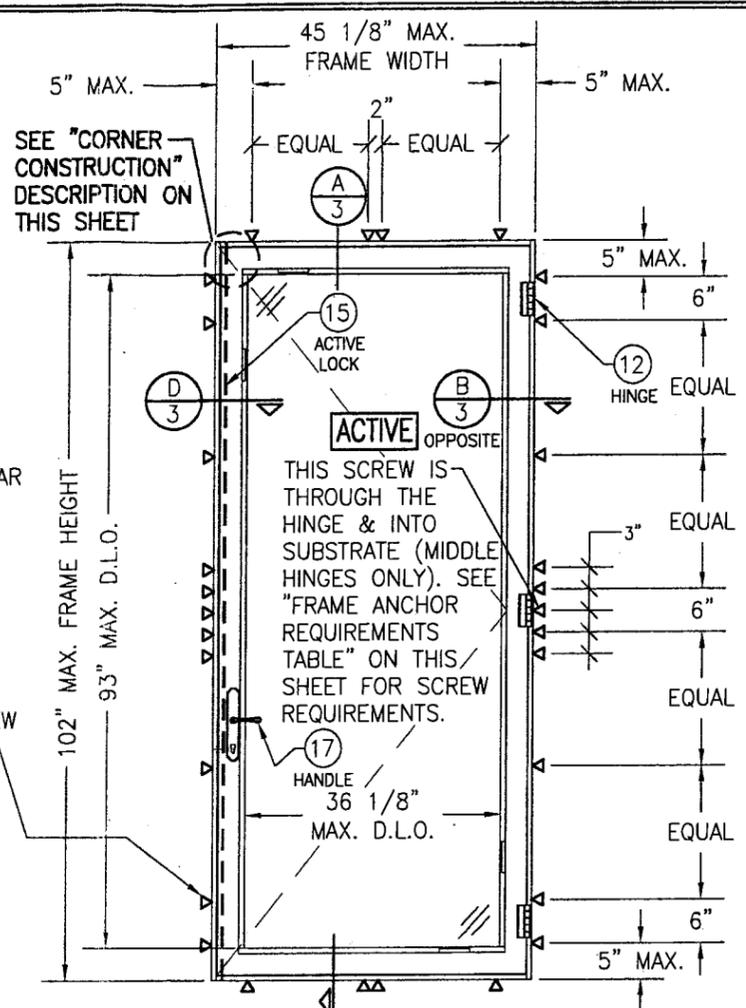
G. OTHER

1. None


Jaime D. GASCON, P.E.
Chief, Product Control Division
NOA No. 07-0509.01
Expiration Date: July 18, 2012
Approval Date: July 19, 2007



TYP. FRAME SHEAR SCREWS WHERE SHOWN. SEE ANCHOR CONDITIONS 1, 2 OR 4 IN THE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR SCREW REQUIREMENTS.



- GENERAL NOTES**
1. THESE DOOR 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 & SHALL 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 SMALL MISSILE IMPACT DOORS.
 5. THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
 6. THESE DOOR SYSTEMS ARE SMALL MISSILE IMPACT RATED AND MAY NOT BE INSTALLED AT ELEVATIONS BELOW 30 FT. ABOVE GRADE UNLESS SHUTTERED BY A FLORIDA CODE APPROVED SHUTTER.
 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. 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.

EXTERIOR ELEVATION
DOUBLE OUT-SWING DOOR WITH ANCHOR CONDITIONS 1, 2, & 4
 SCALE: 1/2"=1'-0"

EXTERIOR ELEVATION
SINGLE OUT-SWING DOOR WITH ANCHOR CONDITIONS 1, 2, & 4
 SCALE: 1/2"=1'-0"

ALLOWABLE DESIGN PRESSURE
+100/-105 PSF
SMALL MISSILE IMPACT RATED

FRAME ANCHOR REQUIREMENTS TABLE

FRAME SHEAR SCREWS				
ANCHOR CONDITION	OPENING TYPE (SUBSTRATE)	FRAME/CLIP/NAIL FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
1	2X_ WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	(1) 1/4" CONCRETE SCREW	1 1/4"	3/4"
2	MIN. 16 GA. 33 KSI METAL STUD OR MIN. 1/8" THK. A36 STEEL	1/4-14 SELF TAP/DRILLING GR. 5 SCREW	FULL	1/2"
3	MIN. 1/4" THK. A36 STEEL	1/4-14 SELF TAP/DRILLING GR. 5 SCREW	FULL	1/2"
4	C-90 CMU/MIN. 3000 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2"

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

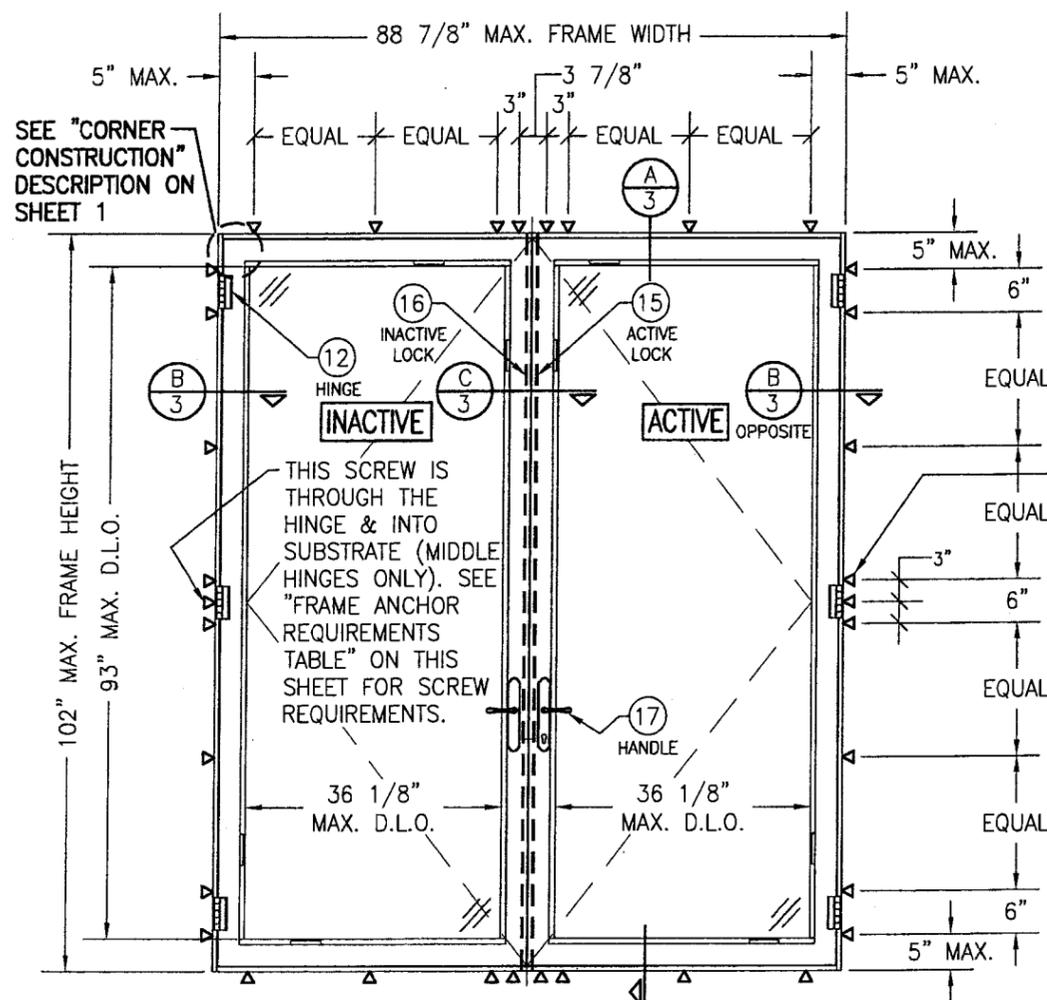
CORNER CONSTRUCTION

FRAME CORNERS:
 THE JAMBS ARE COPED & BUTTED TOGETHER. THE VERTICAL MEMBERS WERE THEN MECHANICALLY ATTACHED TO THE HEAD & SILL MEMBERS USING TWO(2) NO. 12 X 2" S.S. TORX PH TFS SCREWS. EACH CORNER IS SEALED USING A FRAME SEALING PAD (PART #28) & DOW 765 SEALANT.

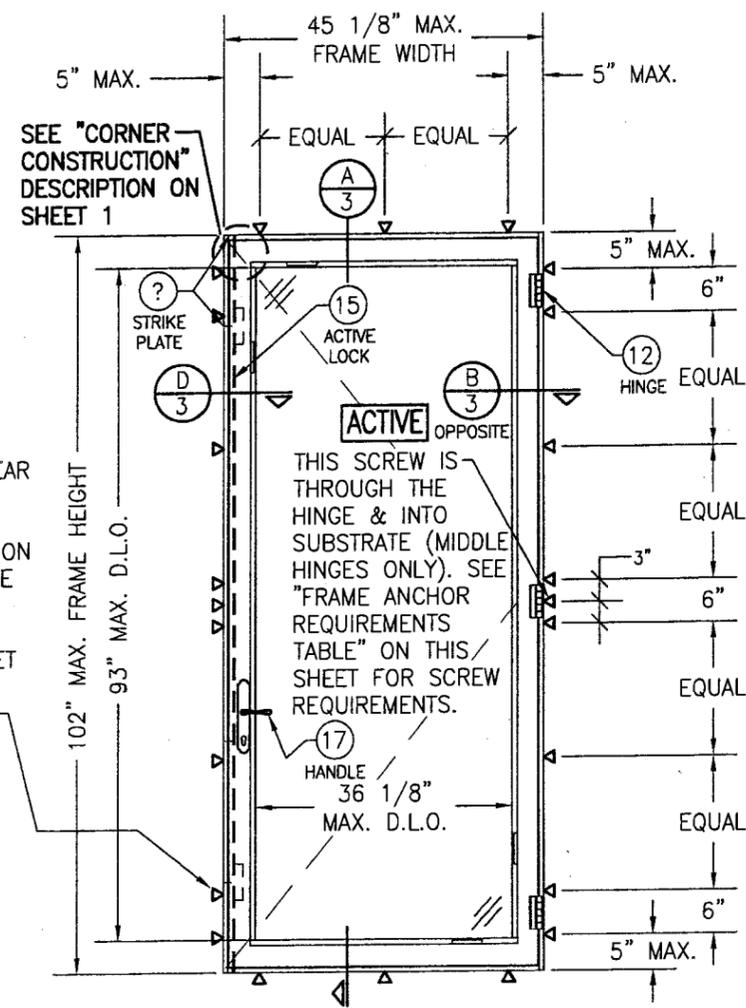
DOOR PANEL CORNERS:
 STILES & RAILS ARE MITER CUT, BUTTED TOGETHER, AND ATTACHED TOGETHER VIA A CORNER CLIP (PART #6). THE HEAD & SILL RAILS WERE THEN MECHANICALLY FASTENED TO THE STILES USING ONE(1) #12 X 1 1/2" S.S. TORX PH TFS THROUGH A SPLINE IN THE STILE. EACH CORNER CLIP WAS FASTENED USING FOUR(4) 1/4-14 X 3/4" TORX FH TFS. EACH CORNER IS SEALED WITH DOW 795 SEALANT.

Approved as complying with the Florida Building Code
 Date 07/19/2007
 NOA# 07-0509.01
 Miami Dade Product Control Division
 By *[Signature]*

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 04/10/07
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE 2000T TERRACE SMALL MISSILE IMPACT OUT-SWING 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 MAY 02 2007	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1523	REV.
SHEET NO. 1	OF 4



EXTERIOR ELEVATION
 DOUBLE OUT-SWING DOOR WITH ANCHOR CONDITION 3
 SCALE: 1/2"=1'-0"



EXTERIOR ELEVATION
 SINGLE OUT-SWING DOOR WITH ANCHOR CONDITION 3
 SCALE: 1/2"=1'-0"

TYP. FRAME SHEAR SCREWS WHERE SHOWN. SEE ANCHOR CONDITION 3 IN THE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR SCREW REQUIREMENTS.

THIS SCREW IS THROUGH THE HINGE & INTO SUBSTRATE (MIDDLE HINGES ONLY). SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR SCREW REQUIREMENTS.

ALLOWABLE DESIGN PRESSURE
 +100/-105 PSF
 SMALL MISSILE IMPACT RATED

Approved as complying with the
 Florida Building Code
 Date 07/19/2007
 NOA# 07-0509.01
 Miami Dade Product Control
 Division
 By *[Signature]*

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 04/10/07	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE: 2000T TERRACE SMALL MISSILE IMPACT OUT-SWING DOOR			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: KAWNEER COMPANY, INC.	
8885 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: MAY 07 2007			
DRAWING NO. 1523		REV.	
SHEET NO. 2		OF 4	

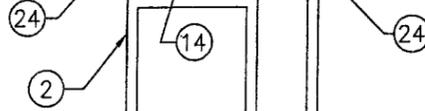
FRAME ANCHORS PER ELEVATIONS ON SHEET 1 & 2 (SEAL EACH ANCHOR HEAD WITH DOW 795 SILICONE SEALANT)

SUBSTRATE BY OTHERS PER FRAME ANCHOR REQUIREMENTS TABLE ON SHEET 1

1/4" MAX. SHIM AT EACH ANCHOR

FRAME WIDTH

SEALANTS BY OTHERS



1/4" MAX. SHIM AT EACH ANCHOR

SUBSTRATE BY OTHERS PER FRAME ANCHOR REQUIREMENTS TABLE ON SHEET 1

FRAME ANCHORS PER ELEVATIONS ON SHEET 1 & 2 (SEAL EACH ANCHOR HEAD WITH DOW 795 SILICONE SEALANT)

SEALANTS BY OTHERS

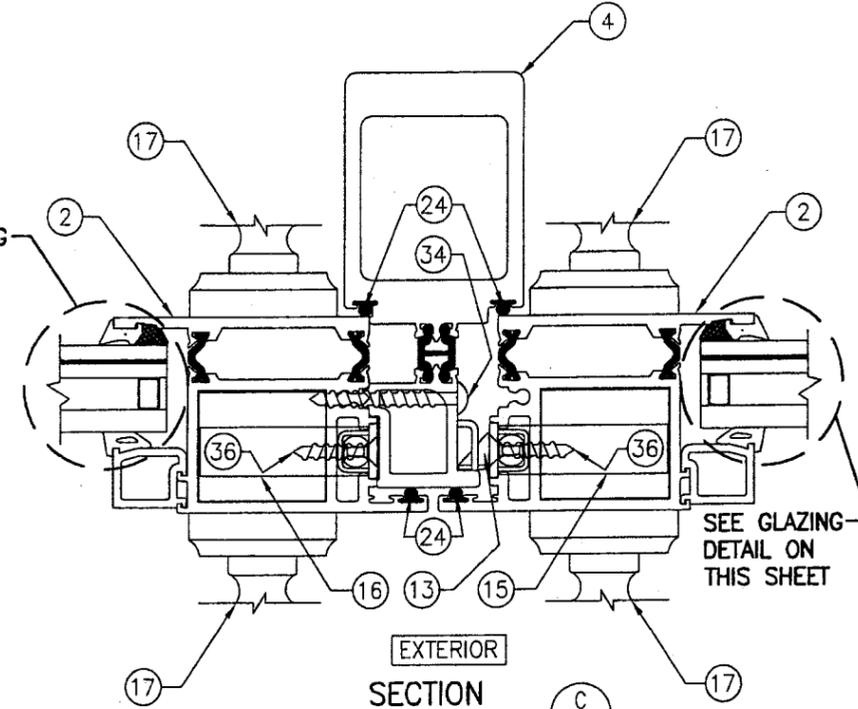
EXTERIOR

SECTION B

SCALE: 1/2 FULL

3

SEE GLAZING DETAIL ON THIS SHEET



SECTION C

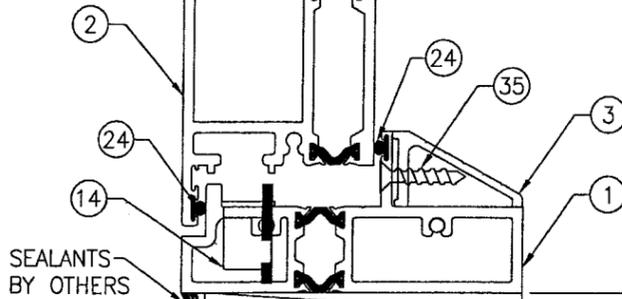
SCALE: 1/2 FULL

3

SEE GLAZING DETAIL ON THIS SHEET

SEE GLAZING DETAIL ON THIS SHEET

EXTERIOR



1/4" MAX. SHIM AT EACH ANCHOR OR FULLY GROUTED

SUBSTRATE BY OTHERS PER FRAME ANCHOR REQUIREMENTS TABLE ON SHEET 1

FRAME ANCHORS PER ELEVATIONS ON SHEET 1 & 2 (SEAL EACH ANCHOR HEAD WITH DOW 795 SILICONE SEALANT)

SECTION D

SCALE: 1/2 FULL

3

SEE GLAZING DETAIL ON THIS SHEET

1/4" MAX. SHIM AT EACH ANCHOR

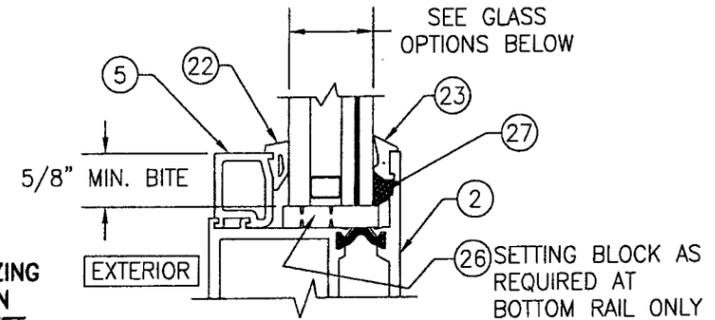
FRAME WIDTH

EXTERIOR

SECTION D

SCALE: 1/2 FULL

3

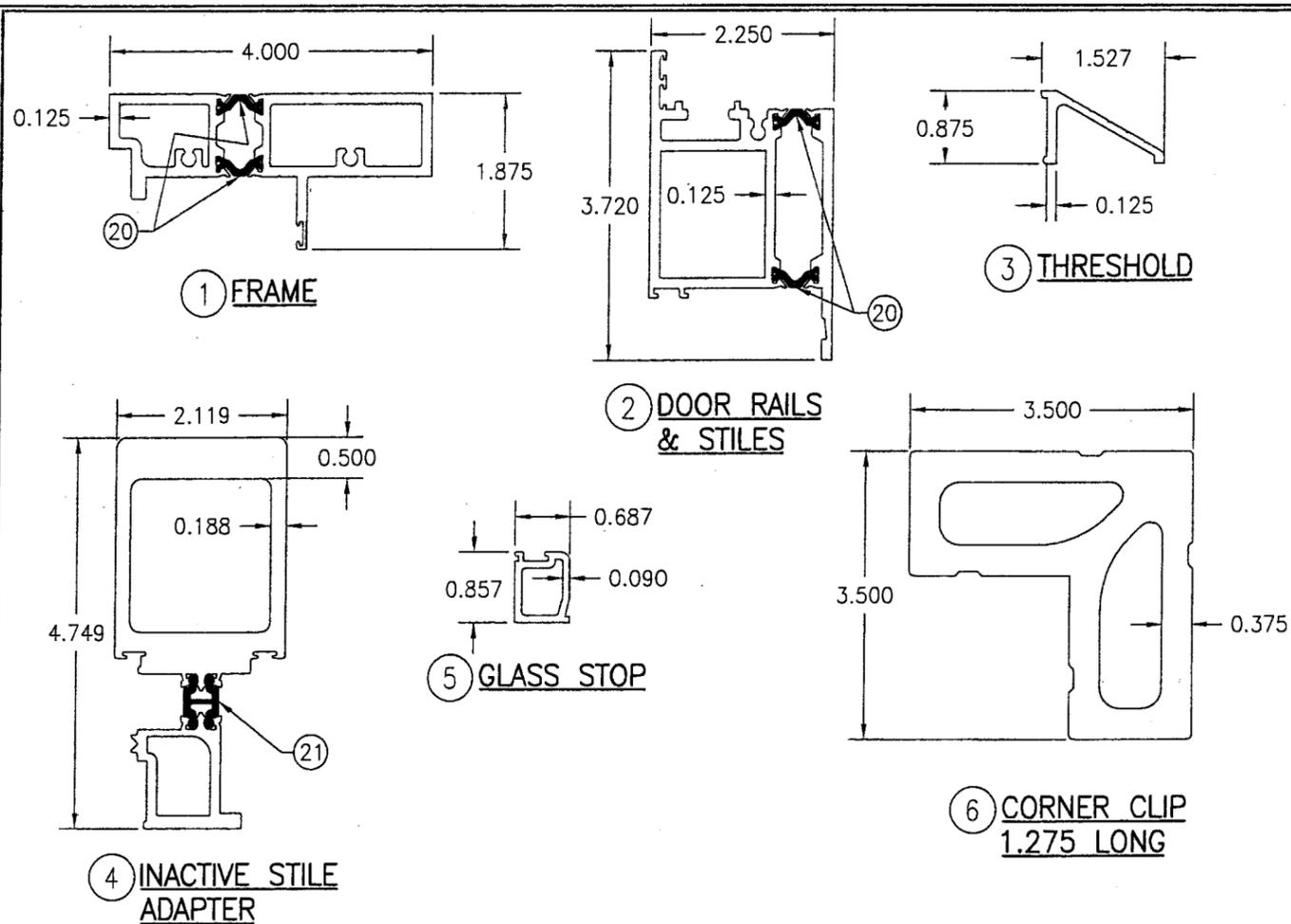


TYP. GLAZING DETAIL

GLASS OPTION 1: 1" LAMINATED I.G. (3/16" HT.ST./0.06" DUPONT BUTACITE PVB/3/16" HT.ST. INTERIOR; 3/8" AIR SPACE; 3/16" TEMP. EXTERIOR)
 GLASS OPTION 2: 1" LAMINATED I.G. (3/16" HT.ST./0.06" SOLUTIA SALFEX III PVB/3/16" HT.ST. INTERIOR; 3/8" AIR SPACE; 3/16" TEMP. EXTERIOR)

Approved complying with the Florida Building Code
 Date 07/19/2007
 NOA# 07-0509.01
 Miami Dade Product Control Division
 By *[Signature]*

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 06/10/07
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE 2000T TERRACE SMALL MISSILE IMPACT OUT-SWING DOOR	
MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555	
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CERTIFICATION MAY 07 2007	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1523	REV.
SHEET NO. 3	OF 4



ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	259-081	FRAME	6063-T6 ALUMINUM (SEE NOTE 1)
2	259-202	DOOR RAILS & STILES	6063-T6 ALUMINUM (SEE NOTE 1)
3	259-081	THRESHOLD	6063-T6 ALUMINUM
4	259-247	INACTIVE STILE ADAPTER	6063-T6 ALUMINUM (SEE NOTE 1)
5	259-051	GLASS STOP	6063-T6 ALUMINUM (SEE NOTE 1)
6	259-301	CORNER CLIP	6063-T6 ALUMINUM
HARDWARE			
12	259-353	4 1/2" LONG HINGE (3 PER DOOR; ALL DOOR SIZES)	6063-T6 ALUMINUM BY: ADVANTAGE MANUFACTURING
13	259-373	ACTIVE LATCH & DEADBOLT KEEPER	S.S.
14	259-374	HEAD & SILL SHOOT BOLT KEEPER	TURND BRASS
15	259-401	ACTIVE 4 POINT LOCK/GEAR	BY: HOPPE 300 SERIES
16	259-443	INACTIVE 2 POINT LOCK/GEAR	BY: HOPPE 300 SERIES
17	-	HANDLE	AS REQ'D TO OPERATE LOCK
SEALS AND SEALANTS			
20	-	DEBRIDGING/THERMAL BREAK (OPTIONAL)	2-PART POLYURETHANE
21	-	DEBRIDGING/THERMAL BREAK (OPTIONAL)	2-PART POLYURETHANE
22	27-901	1/4" WEDGE GASKET	EPDM
23	27-922	3/16" FIXED GASKET	EPDM
24	127-043	Q-LON WEATHERSEAL	POLYURETHANE FOAM
25	127-049	1/8" GLAZING ROD	BUTYL
26	127-045	SETTING BLOCK	EPDM
27	127-050	1/4" GLAZING ROD	BUTYL
28	127-055	FRAME SEALING PAD	PVC FOAM
MISC. FASTENERS			
33	128-507	#10 X 3/4" PHTF TORX SCREW	4 PER HINGE LEAF
34	128-535	#10 X 1 3/4" PHTF TORX SCREW	WITHIN 5" OF CORNERS & MAX. 12" O.C.
35	128-538	#8-18 FH SELF DRILLING TORX SCREW	2 1/2" OFF EACH END
36	128-538	#8-18 FH SELF DRILLING TORX SCREW	AS REQ'D PER HOPPE LOCK SYSTEM

(1) PARTS 1 THROUGH 8 MAY BE THERMALLY BROKEN AS SHOWN OR BE ONE WHOLE UNMOUNTED EXTRUSION (EXTRUSIONS ARE CUT TO ALLOW FOR THERMAL BREAK PLACEMENT).

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.	DRAWING TITLE 2000T TERRACE SMALL MISSILE IMPACT OUT-SWING DOOR	MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555
PLLOT: 1=2	DATE: 04/10/07		
REVISION NO. DESCRIPTION 1 1=2	DATE 1 04/10/07	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 MAY 02 2007 WARREN W. SCHAEFER, P.E. P.E. NO. 44135
APPROVED BY: By: Warren W. Schaefer		APPROVED BY: By: Warren W. Schaefer	APPROVED BY: By: Warren W. Schaefer
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