



**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)

**Kawneer Company, Inc.
55 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 "IR-501" Aluminum Glazed Storefront System-L.M.I.

APPROVAL DOCUMENT: Drawing No. 1461, titled "IR501 Aluminum Storefront System-LMI." Sheets 1 thru 6 of 6, dated Jan. 10, 2007, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaeffer, 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 Resistant

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 **Ishaq I. Chanda, P.E.**

**NOA No 06-0803.06
Expiration Date: February 15, 2012
Approval Date: February 15, 2007
Page 1**



1/23/17

Kawneer Company, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **1461**, titled "IR501 Aluminum Storefront System-LMI." Sheets 1 thru 6 of 6, dated Jan. 10, 2007, prepared by W. W. Schaeffer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaeffer, 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.) Large Missile Impact Test, FBC, TAS 201-94
 - 5.) Cyclic Loading Test, per FBC, TAS 203-94

Along with installation diagram of aluminum glazed storefront system marked-up by Hurricane Testing Laboratory. Test Report No(s). **HTL-G049-1201.05** and **HTL-0049-0111.06** dated 04-18-2006, signed and sealed by Vinu Abraham, P.E.

C. CALCULATIONS:

1. Anchor verification calculations and structural analysis, dated 07/14/2006 prepared by W. W. Schaeffer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaeffer, P.E.
2. Glazing complies w/ ASTM E-1300-98 &-02.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

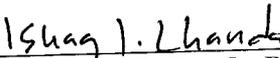
1. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for "Saflex IIIIG clear & colored interlayer", expiring on 05/21/2011.
2. Notice of Acceptance No. **051208.02** issued to E. I. DuPont DeNumours for "Dupont Butacite PVB", expiring on 12/11/2010.

F. STATEMENTS

1. Statement letter of conformance & No financial interest, dated July 10, 2006, signed and sealed by Warren W. Schaeffer, P.E.
2. Lab conformance letter, part of above referenced test reports.

G. OTHER

1. Test Proposal 05-0149 dated June 20, 2005 approved by BCCO



Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 06-0803.06
Expiration Date: February 15, 2015
Approval Date: February 15, 2007

GENERAL NOTES

1. THESE STORE FRONT SYSTEMS HAVE BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN LOADS" TABLES.
2. BUCKING &/OR SUPPORTING SUBSTRATES MUST BE PROPERLY DESIGNED, CONSTRUCTED & INSTALLED TO SUPPORT LOADS TRANSFERRED FROM THESE SYSTEMS.
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 LARGE MISSILE IMPACT DOORS.
5. THESE STORE FRONT 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 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. THERE SHALL BE NO LIMIT TO THE NUMBER OF HORIZONTAL & VERTICAL PANELS USED FOR ANY JOB PROVIDING ALL RESTRICTIONS ARE MET PER THE ELEVATIONS.
10. ALL SUBSTRATE SHALL HAVE THE FOLLOWING MINIMUM REQUIREMENTS.
 - a) ALL WOOD SUBSTRATE SHALL BE MIN. G = 0.55 DENSITY.
 - b) ALL STRUCTURAL STEEL SUBSTRATE SHALL BE MIN. 1/8" THK. & Fy = 36 ksi.
 - c) ALL CONCRETE SUBSTRATE SHALL BE MIN. 3000 PSI.
11. 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.

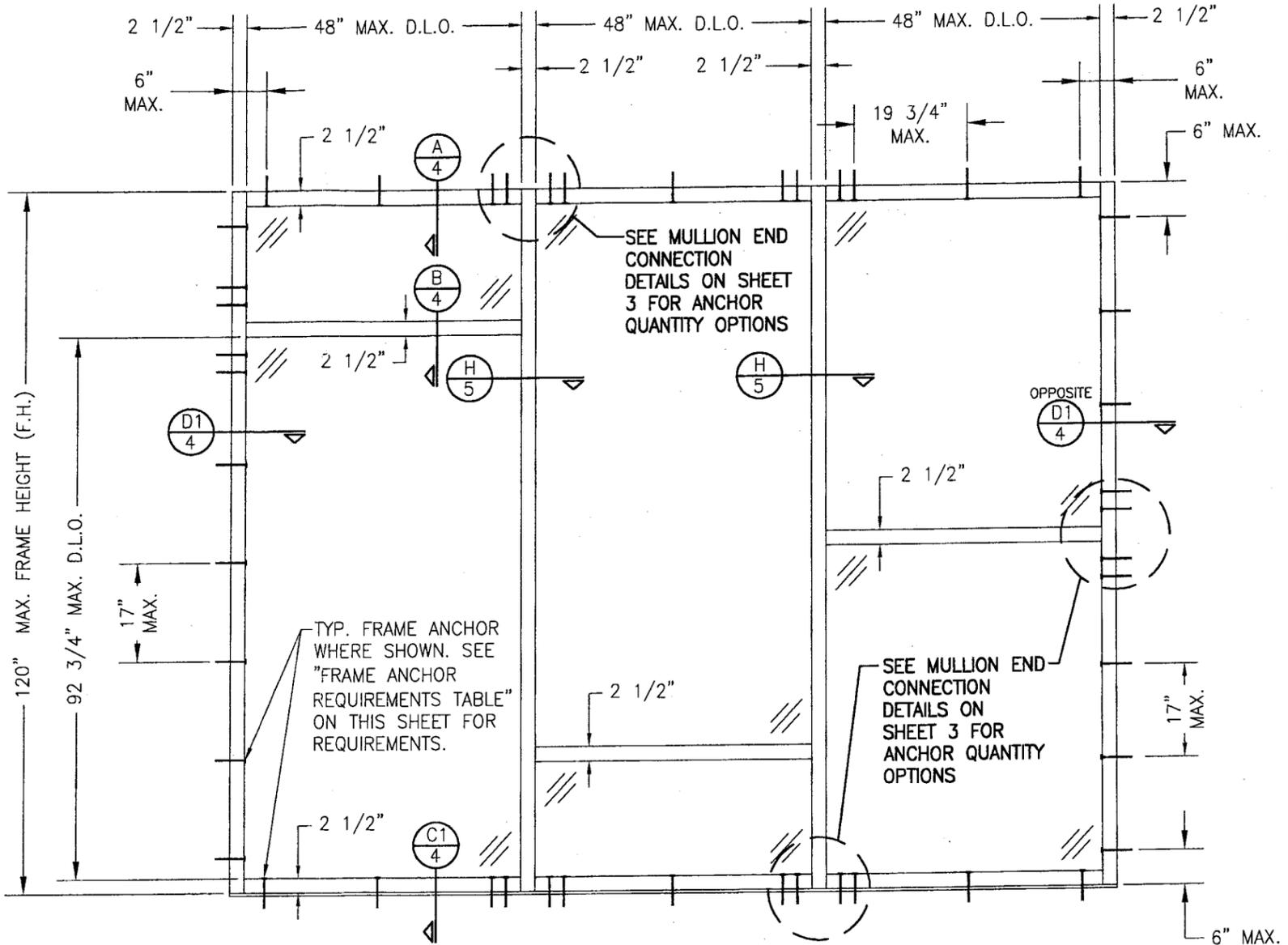
CORNER & FRAME END CONSTRUCTION:

FRAME HEAD CORNER: HEAD IS SQUARE CUT, BUTTED TO SIDE, FASTENED WITH 3 NO. 12 X 1" PHTFS FASTENERS THROUGH THE SIDE MEMBER INTO THE HEAD MEMBER SCREW SPLINES & SEALED WITH SILICONE.

FRAME SILL CORNER: SILL IS SQUARE CUT, BUTTED TO SIDE, FASTENED WITH 3 NO. 12 X 1" PHTFS FASTENERS THROUGH THE SIDE MEMBER INTO THE SILL MEMBER SCREW SPLINES & SEALED WITH SILICONE.

FRAME DOOR JAMB SILL CORNER: SILL IS SQUARE CUT, BUTTED TO SIDE, FASTENED WITH 1 JAMB PIVOT ASSEMBLY. EACH PIVOT ASSEMBLY WAS FASTENED TO TO THE SIDE WITH THREE NO. 12-24 X 5/8" FHMS. THE THRESHOLD IS THEN FASTENED TO PIVOT ASSEMBLY WITH TWO NO. 12-24 X 3/8" FHMS & SEALED WITH SILICONE.

HORIZONTAL FRAME MULLION END: MULLION IS SQUARE CUT, BUTTED TO SIDE, FASTENED WITH 2 NO. 12 X 1" SS PHTFS FASTENERS THROUGH THE SIDE MEMBER INTO THE MULLION MEMBER SCREW SPLINES & SEALED WITH SILICONE.



**EXTERIOR ELEVATION
MULTIPLE FIXED PANEL STORE FRONT ASSEMBLY**

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

HORIZONTAL STACKING & OVERALL UNIT WIDTH IS UNLIMITED PROVIDING D.L.O. DOES NOT EXCEED 48" WIDE AT EACH PANEL. NUMBER OF VERTICAL PANELS IS UNLIMITED BUT MUST FIT INSIDE MAXIMUM FRAME HEIGHT SHOWN.

ALLOWABLE DESIGN PRESSURE
+/-65 PSF

ANCHOR TYPE	OPENING TYPE (SUBSTRATE)	JAMB TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
A	2X_ WOOD FRAME OR BUCK	NO. 12 SMS SCREWS	1 1/4"	3/4"
B	MIN. 1/8" THICK A36 STEEL	(2) 1/4-20 SELF DRILLING/TAPPING SCREW	FULL	3/4"
C	MIN. 3000 P.S.I. CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2 1/2"
D	MIN. 16 GA. 33 KSI METAL STUD	(2) 1/4-20 SELF DRILLING/TAPPING SCREW	FULL	1/2"
E	MIN. C90 BLOCK	(1) 1/4" CONCRETE SCREW	1 1/4"	2 1/2"
(4) F	MIN. 3000 P.S.I. CONCRETE	(3) 3/8" WEDGE/SLEEVE ANCHOR	2 1/2"	3"

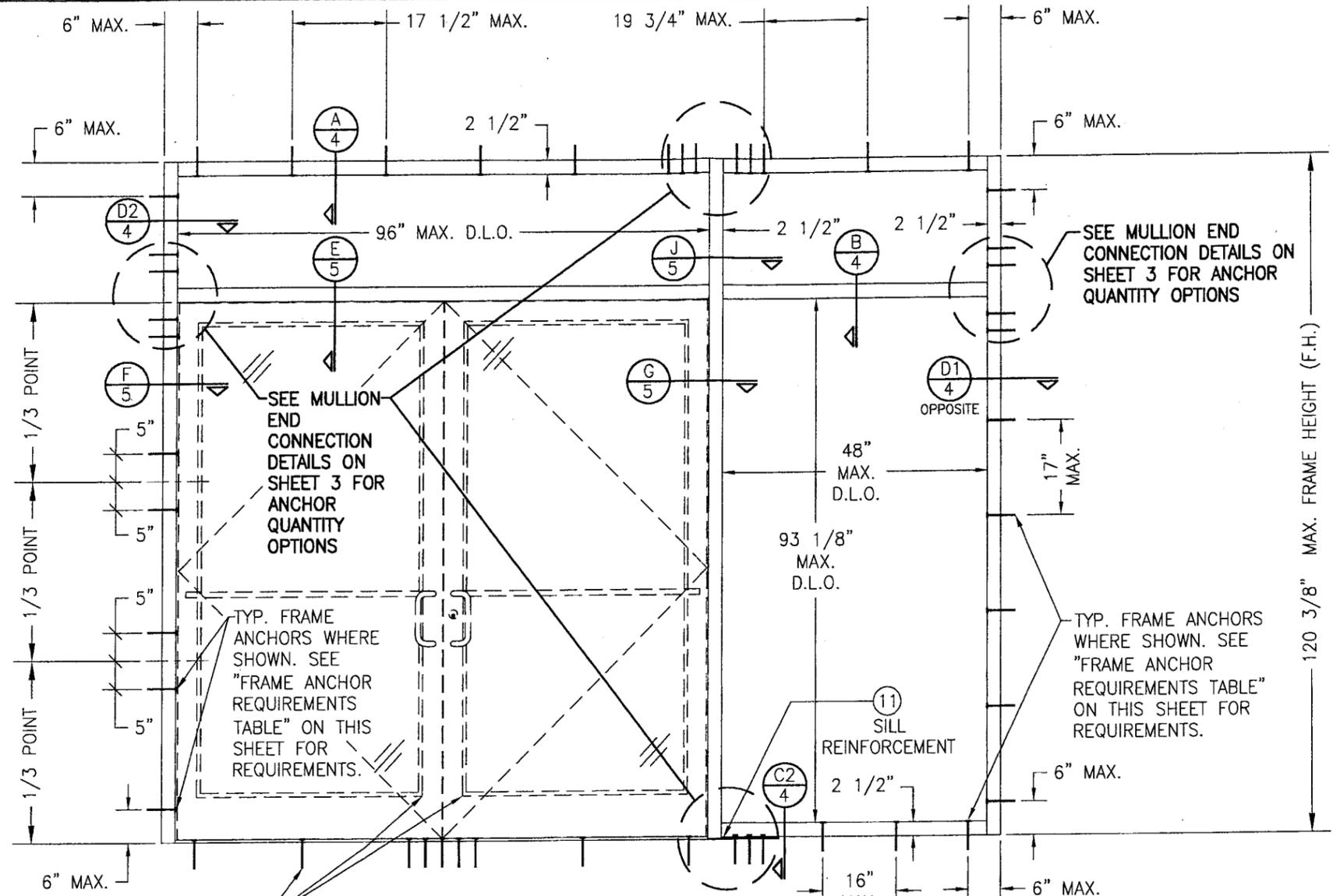
- (1) CONCRETE SCREWS SHALL BE ELCO OR ITW RAMSET/RED HEAD TAPCONS, POWERS RAWL TAPPER OR HILTI KWIK-CON II (HARDENED STEEL OR S.S.).
- (2) SELF DRILLING & SELF TAPPING SCREWS SHALL BE MIN. GRADE 5 CORROSION RESISTANT STEEL
- (3) WEDGE/SLEEVE ANCHORS SHALL BE RAMSET/RED HEAD DYNABOLT, HILTI KWIK-BOLT II, OR POWERS RAWL POWER BOLT (STEEL OR S.S.)
- (4) ANCHOR TYPE "F" IS ONLY APPLICABLE FOR USE WITH THE SILL REINFORCEMENT BAR AT THE VERTICAL DOOR MULLION BOTTOM END.

DRAWN BY: W.R.M.	CHECKED BY: W.S.
PLOT: 1-24	DATE: 07/14/06
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE IR501 ALUMINUM STORE FRONT SYSTEM - LARGE MISSILE IMPACT	
MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8885 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
DRAWING NO. 1461	
REV. 1	
SHEET NO. 1 OF 6	

Approved as complying with the Florida Building Code
Date: **FEBRUARY 15 2007**
NOAH **06-0803-06**
Miami Dade Product Control Division
By: *Shaq I. Lhank*

CERTIFICATION
JAN 10 2007

WARREN W. SCHAEFER, P.E.
P.E. NO. 44135



350 IR LARGE MISSILE IMPACT
 OUT-SWING DOORS & SILL ANCHORS
 UNDER SEPERATE APPROVAL

EXTERIOR ELEVATION
STORE FRONT ASSEMBLY WITH DOORS & TRANSOM

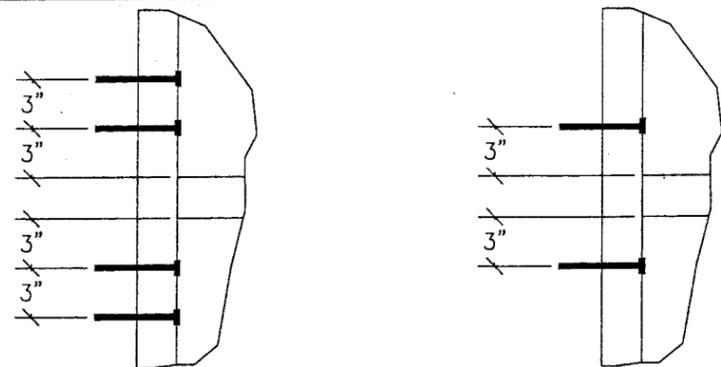
SCALE: 1/2"=1'-0"

SINGLE SIDELIGHT SHOWN, MULTIPLE SIDELIGHT CONDITION ALSO APPLIES WITH
 SIDELIGHT AT ONE OR BOTH SIDES.
 DOUBLE DOOR CONDITION SHOWN, SINGLE DOOR CONDITION ALSO APPLIES.
 HORIZONTAL STACKING & OVERALL UNIT WIDTH IS UNLIMITED. NUMBER OF VERTICAL
 PANELS IS UNLIMITED BUT MUST FIT INSIDE MAXIMUM FRAME HEIGHT SHOWN.

ALLOWABLE DESIGN PRESSURE
 +/-65 PSF

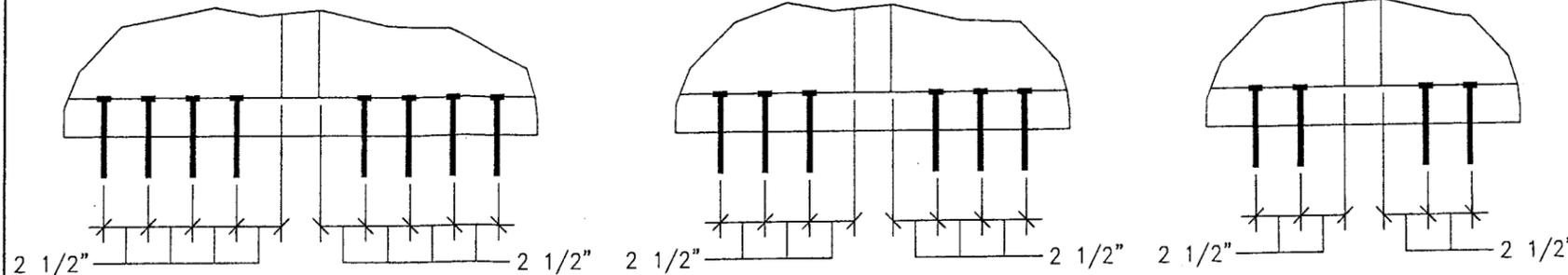
Approved as complying with the
 Florida Building Code
 Date FEB 15, 2007
 NOA# 06-0803-06
 Miami Dade Product Control
 Division
 By Shaq J. Llandu

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 07/14/06
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE IR501 ALUMINUM STORE FRONT SYSTEM - LARGE MISSILE IMPACT	
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 JAN 10 2007	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1461	REV.
SHEET NO. 2	OF 6



ANCHOR TYPES A, C, D, & E
(2 ANCHORS EACH SIDE OF MULLION) **ANCHOR TYPE B**
(1 ANCHOR EACH SIDE OF MULLION)

**MULLION END CONNECTION
DETAILS AT HORIZONTAL MULLIONS
ABOVE DOUBLE DOORS**



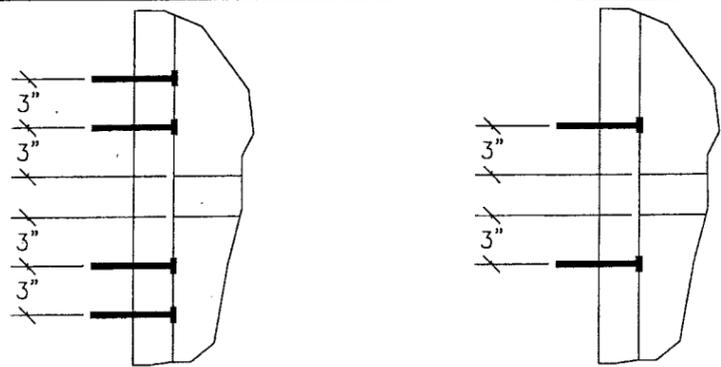
ANCHOR TYPES A & D
(4 ANCHORS EACH SIDE OF MULLION)

ANCHOR TYPE C
(3 ANCHORS EACH SIDE OF MULLION)

ANCHOR TYPE B
(2 ANCHORS EACH SIDE OF MULLION)

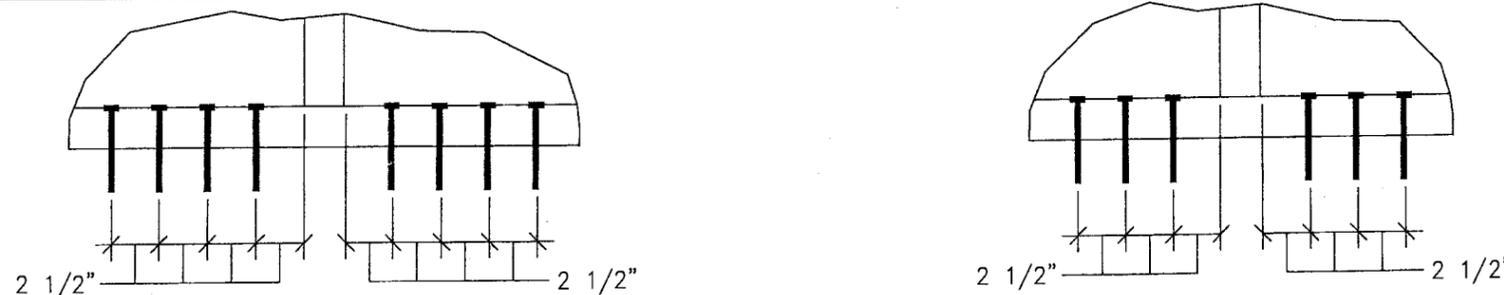
**MULLION END CONNECTION DETAILS
AT VERTICAL MULLIONS BETWEEN FIXED
PANELS AND/OR SINGLE DOORS**

NOTE: DETAILS SHOWN REFLECT HEAD CONDITIONS. THEY ARE ALSO TYPICAL AT SILL CONDITIONS BETWEEN FIXED PANELS ONLY.



ANCHOR TYPES A & D
(2 ANCHORS EACH SIDE OF MULLION) **ANCHOR TYPES B, C, & E**
(1 ANCHOR EACH SIDE OF MULLION)

**MULLION END CONNECTION
DETAILS AT HORIZONTAL MULLION
ENDS ABOVE SINGLE DOORS & FIXED PANELS**

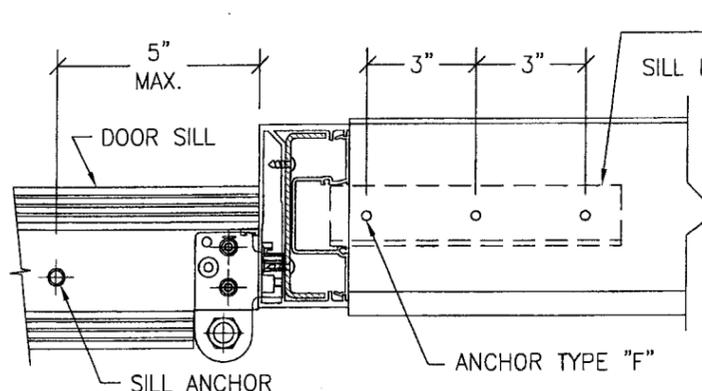


ANCHOR TYPES A & D
(4 ANCHORS EACH SIDE OF MULLION)

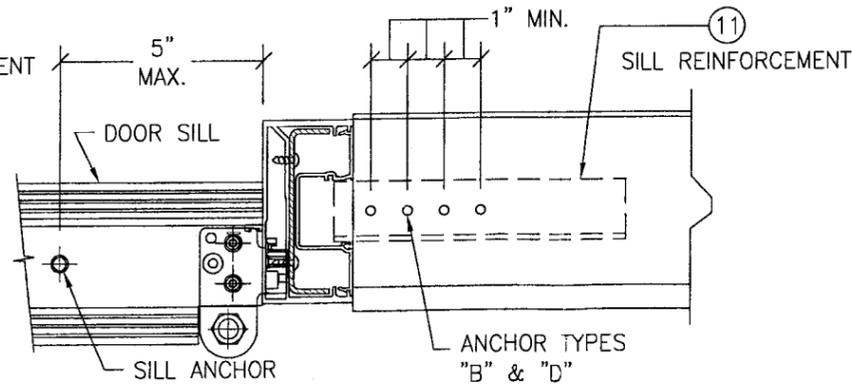
ANCHOR TYPE B & C
(3 ANCHORS EACH SIDE OF MULLION)

**MULLION END CONNECTION DETAILS
AT VERTICAL MULLIONS ALONG SIDE DOORS**
(TYPICAL AT TOP OF MULLIONS ONLY)

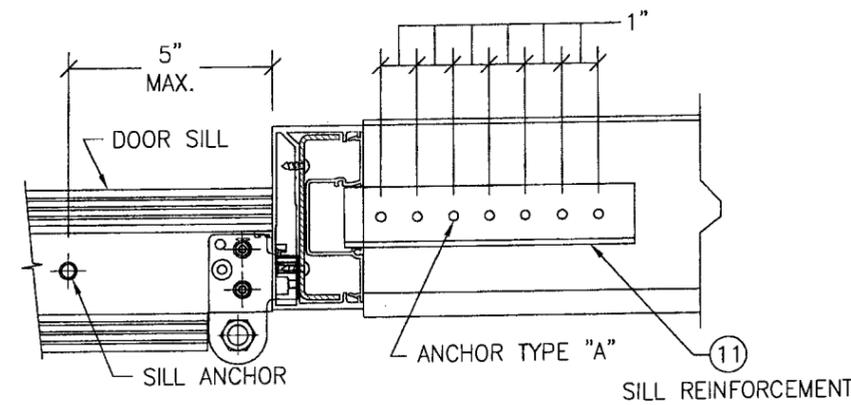
Approved as complying with the
Florida Building Code
Date FEB 15, 2007
NOAH 06-0803-06
Miami Dade Product Control
Division
By *[Signature]*



ANCHOR TYPE F
(3 ANCHORS PER REINFORCEMENT BAR)



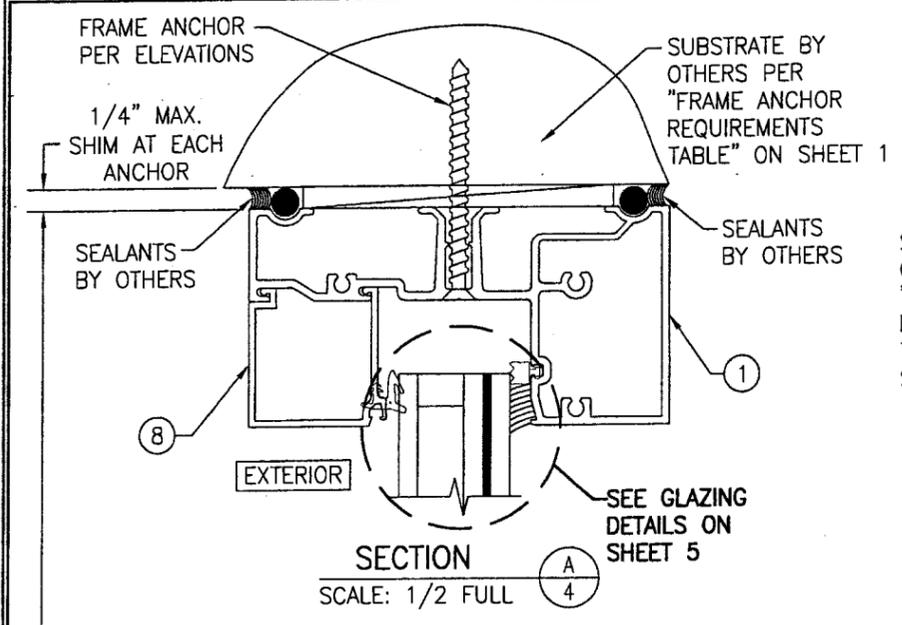
ANCHOR TYPES B & D
(4 ANCHORS PER REINFORCEMENT BAR)



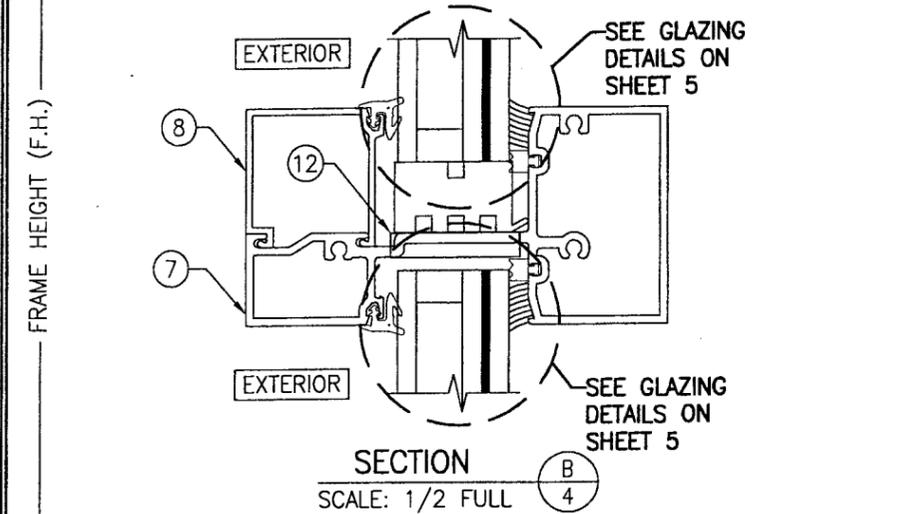
ANCHOR TYPE A
(7 ANCHORS PER REINFORCEMENT BAR)

**MULLION END CONNECTION DETAILS
AT VERTICAL MULLIONS ALONG SIDE DOORS**
(TYPICAL AT SILL ONLY)

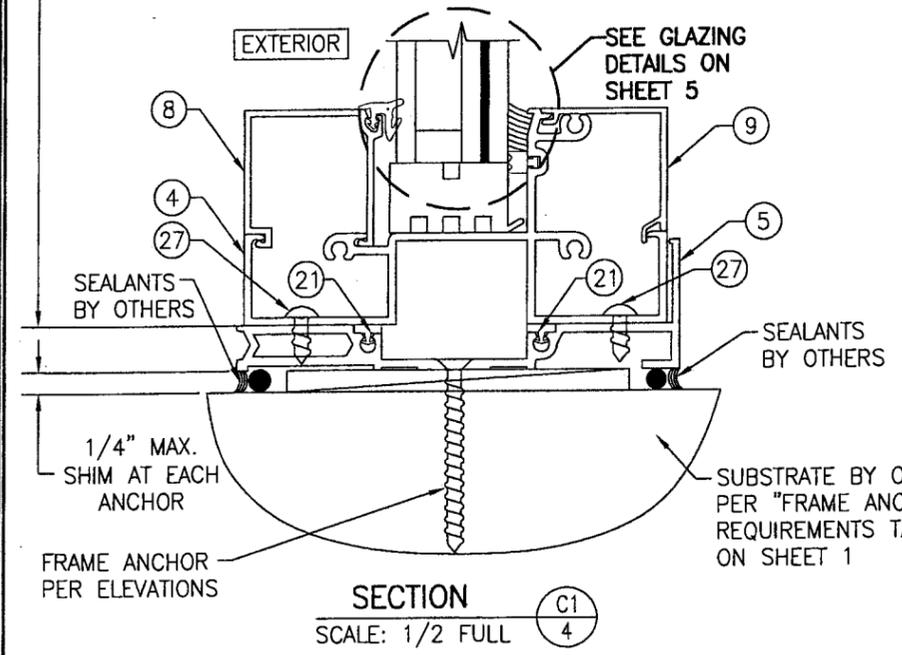
DRAWN BY: W.R.M.	CHECKED BY: W.S.
PLOT: 1=2	DATE: 07/14/06
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE IR501 ALUMINUM STORE FRONT SYSTEM - LARGE MISSILE IMPACT	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555
CERTIFICATION JAN 10 2007 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1461	REV. 3 OF 6



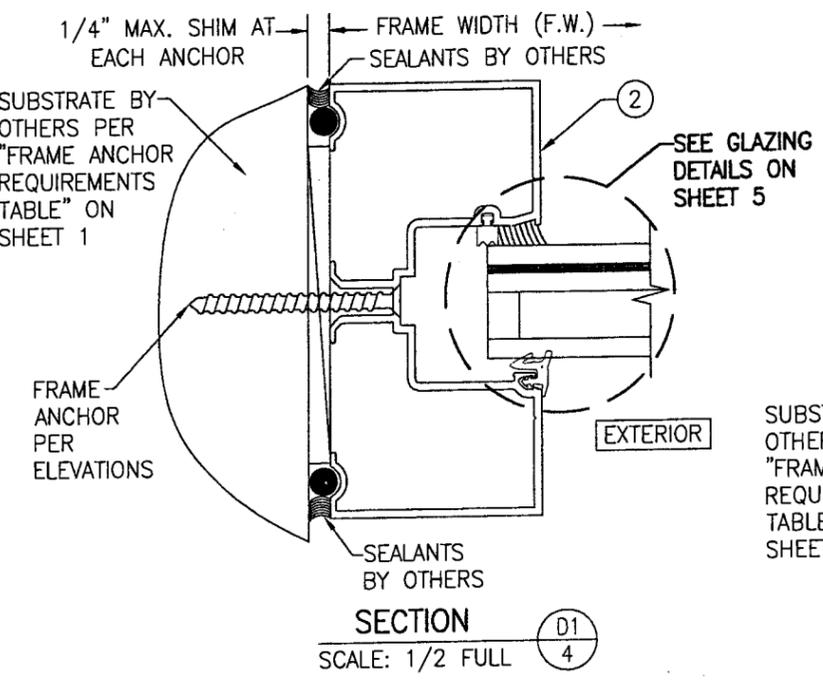
SECTION A
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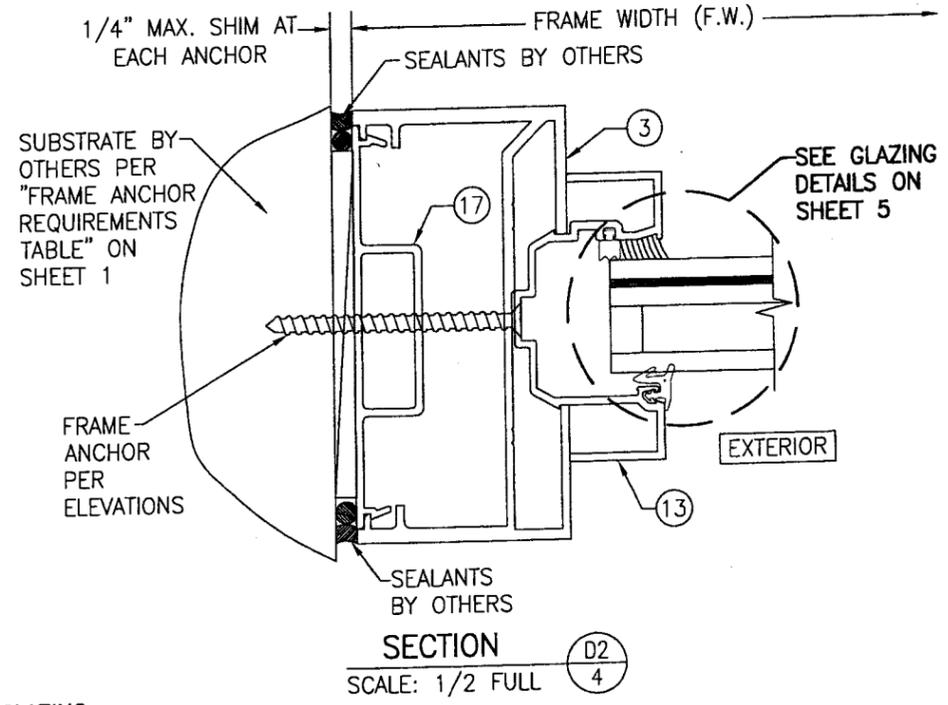
SECTION B
SCALE: 1/2 FULL



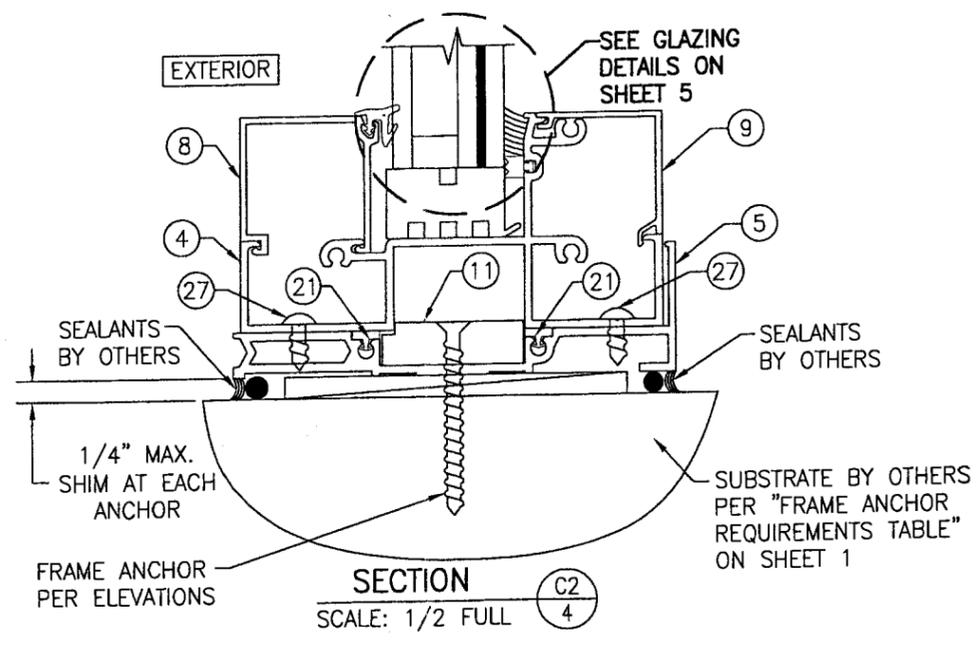
SECTION C1
SCALE: 1/2 FULL



SECTION D1
SCALE: 1/2 FULL



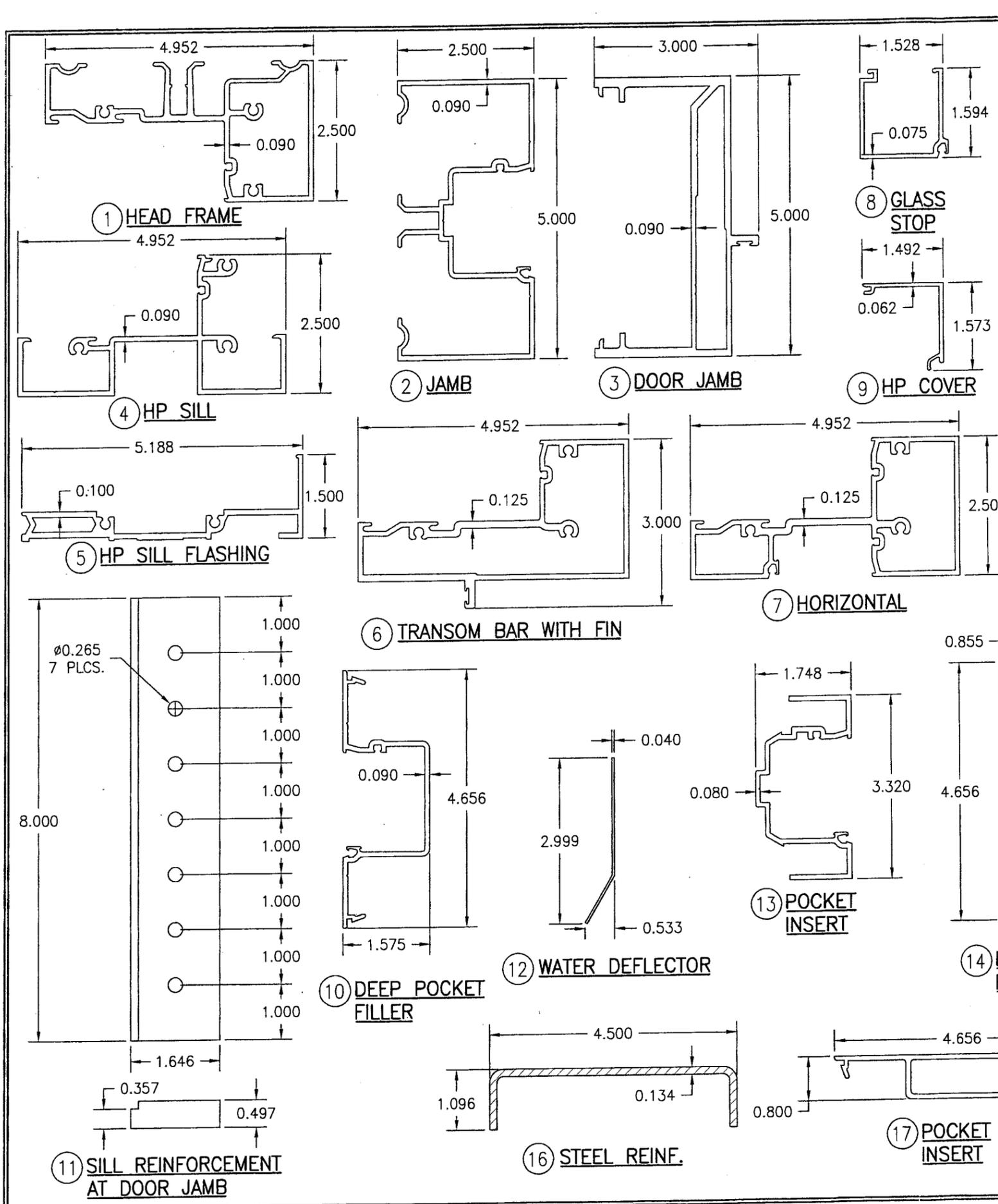
SECTION D2
SCALE: 1/2 FULL



SECTION C2
SCALE: 1/2 FULL

Approved as complying with the
Florida Building Code
Date FEB 15, 2007
NOA# 06-0802-06
Miami Dade Product Control
Division
By: [Signature]

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 07/14/06	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE: IR501 ALUMINUM STORE FRONT SYSTEM - LARGE MISSILE IMPACT			
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: JAN 10 2007 WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1461		REV. 4	
SHEET NO. 4		OF 6	



ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	575-103	HEAD FRAME	6063-T6 ALUMINUM
2	575-101	JAMB	6063-T6 ALUMINUM
3	575-051	DOOR JAMB	6063-T6 ALUMINUM
4	987-032	HP SILL	6063-T6 ALUMINUM
5	987-033	HP SILL FLASHING	6063-T6 ALUMINUM
6	575-122	TRANSOM BAR WITH FIN	6063-T6 ALUMINUM
7	575-115	HORIZONTAL	6063-T6 ALUMINUM
8	575-104	GLASS STOP	6063-T6 ALUMINUM
9	987-034	HP COVER	6063-T6 ALUMINUM
10	575-135	DEEP POCKET FILLER	6063-T6 ALUMINUM
11	-	SILL REINFORCEMENT AT DOOR JAMB	6063-T6 ALUMINUM
12	451-105	WATER DEFLECTOR	6063-T6 ALUMINUM
13	575-133	POCKET INSERT	6063-T6 ALUMINUM
14	575-102	POCKET FILLER	6063-T6 ALUMINUM
15	575-116	HW MULLION	6063-T6 ALUMINUM
16	575-310	STEEL REINF.	6063-T6 ALUMINUM <i>A-36 1/2x1</i>
17	575-052	POCKET INSERT	6063-T6 ALUMINUM
SEALS AND SEALANTS			
20	027-078	DOOR BULB WEATHERING	ALCRYN
21	127-120	SILL TO FLASHING GASKET	CCN SPONGE
22	127-011	SLIDE IN SPACER	SANTOPRENE
23	027-074	STANDARD PUSH ON GASKET	EPDM
24	127-070	SETTING BLOCK	EPDM
FASTENERS			
27	128-396	NO. 12 X 7/16" S.S. PHTF	2" FROM ENDS & MAX. 18" O.C.
28	128-271	NO. 12 X 5/8" S.S. PHTF	4" FROM ENDS (2 ROWS)

<small>DRAWN BY:</small> W.R.M.	<small>CHECKED BY:</small> W.W.S.	<small>PLT:</small> 1=2	<small>DATE:</small> 07/14/06	<small>DATE</small>	<small>BY</small>	<small>REVISION DESCRIPTION</small>	<small>NO.</small>
<small>DATE</small>	<small>BY</small>						
IR501 ALUMINUM STORE FRONT SYSTEM - LARGE MISSILE IMPACT							
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<small>CERTIFICATION</small> JAN 10 2007 Approved as complying with the Florida Building Code Date <u>FEBRUARY 15, 2007</u> NOAH <u>06-0803.06</u> Miami Dade Product Control Division By <u>Shaq J. Chauda</u> WARREN W. SCHAEFER, P.E. P.E. NO. 44135							
<small>DRAWING NO.</small> 1461				<small>REV.</small>			
<small>SHEET NO.</small> 6				<small>OF</small> 6			