



BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

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

Your application for Notice of Acceptance (NOA) of:

Series IR 500 Aluminum Glazed Window Wall System -Impact

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

Raul Rodriguez
Chief Product Control Division

ACCEPTANCE NO.: 99-1108.06
EXPIRES: 03/29/2004

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 03/29/2001

Kanweer Company Inc.

ACCEPTANCE No.: 99-1108.06

APPROVED : March 29, 2001

EXPIRES : March 29, 2004

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1 This approves an aluminum window wall system, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

- 2.1 The **Series IR 500 Aluminum Glazed Window Wall System-Large Missile Impact Resistant** and its components shall be constructed in strict compliance with the following documents: Drawing No. **J904-DC**, titled "Kawneer IR 500 - L. M. Impact" Sheets 1 through 5 of 5, dated 10/14/99 and last revised on 2-28-01, prepared by manufacturer, 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. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

- 3.1 This approval applies to multiple unit applications of an aluminum window wall system, limited only to the maximum height (span) and mullion spacing; for the Design Pressure Rating shown approved drawing.

4. INSTALLATION

- 4.1 The aluminum window wall system and its components shall be installed in strict compliance with the approved drawings.
- 4.2 Hurricane protection system (shutters): the installation of this unit **will not require** a hurricane protection system.

5. LABELING

- 5.1 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".

6. BUILDING PERMIT REQUIREMENTS

- 6.1 Application for building permit shall be accompanied by copies of the following:
- 6.1.1 This Notice of Acceptance
- 6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
- 6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

Ishaq I. Chanda

Ishaq I. Chanda, P.E. Product Control Examiner
Product Control Division

Kanweer Company Inc.

ACCEPTANCE No.: 99-1108.06

APPROVED : March 29, 2001

EXPIRES : March 29, 2004

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process.
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

Ishaq I. Chanda
Ishaq I. Chanda, P.E. Product Control Examiner
Product Control Division

END OF THIS ACCEPTANCE

Kanweer Company Inc.

ACCEPTANCE No.: 99-1108.06

APPROVED : March 29, 2001

EXPIRES : March 29, 2004

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA.)

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **J904-DC**, titled "Kawneer IR 500 - L. M. Impact" Sheets 1 through 5 of 5, dated 10/14/99 and last revised on 2-28-01, prepared by manufacturer.

B. TESTS

1. Test reports on
 - 1) Air Infiltration Test, per PA 202-94
 - 2) Uniform Static Air Pressure Test, Loading per PA 202-94
 - 3) Water Resistance Test, per PA 202-94
 - 4.) Large Missile Impact Test, SFBC PA 201-94
 - 5.) Cyclic Loading Test, per SFBC PA 203-94along with installation diagram of an aluminum glazed framing system, marked-up by American Testing Lab of South Florida. Test Report No. **ATL-0802.01-99**, dated 10-19-99, revised by addendum letter dated 10-25-99 signed and sealed by William R. Mehner, P.E.

C. CALCULATIONS:

1. Anchor Calculations and structural analysis, dated 7-30-99, 03-03-00 and last revised on 02-15-01, prepared by Robt. E. Fisher – Wm. M. Meyers, P.E. Consulting Engineers, signed and sealed by Wm. M. Meyers, P.E.

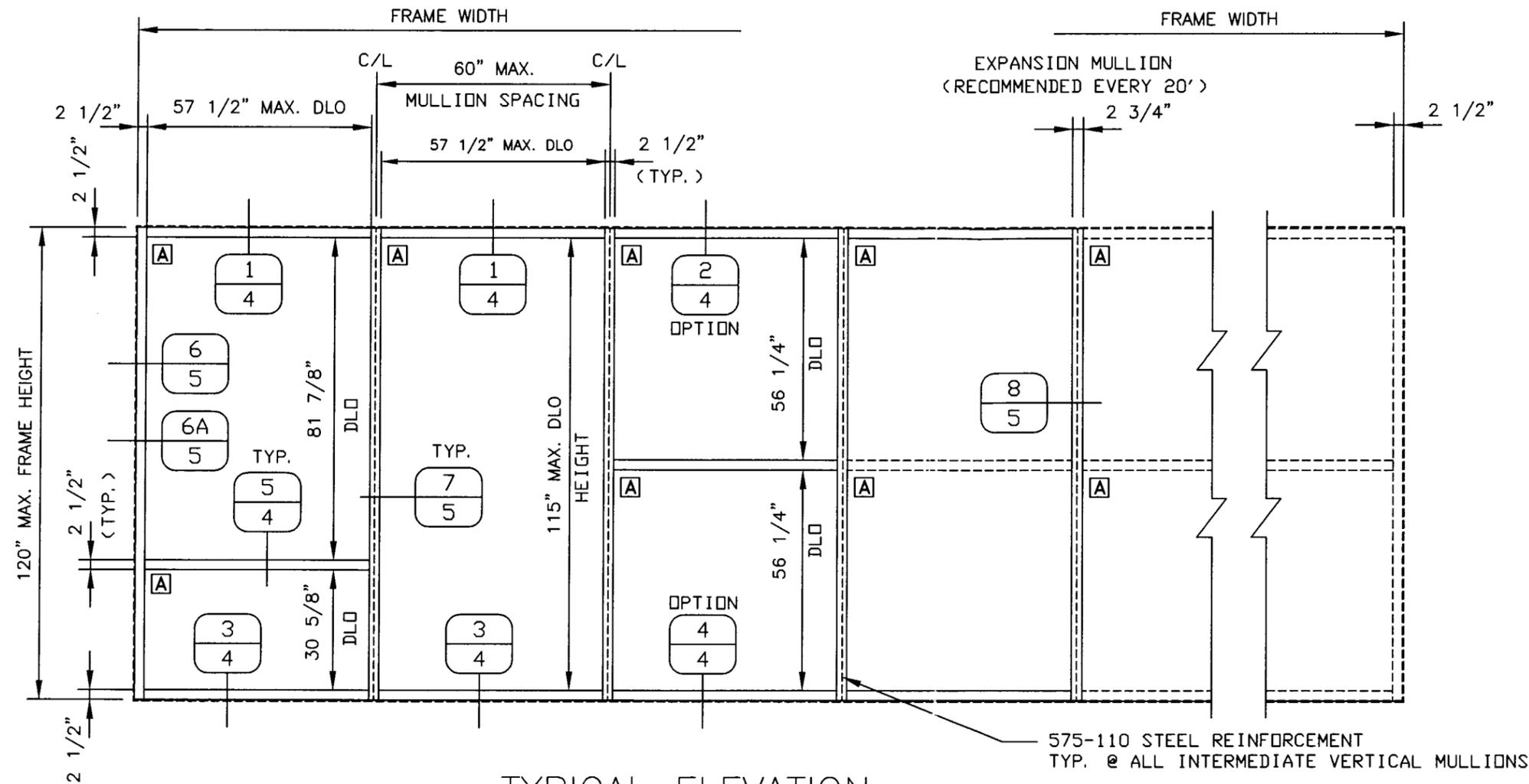
D. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **97-0527.03** issued to Viracon Inc. for "HRG Laminated Glass" dated 10/16/00.

E. STATEMENTS

1. Statement letter of conformance, dated October 19, 1999, signed by Wm. M. Meyers, P.E. and Robert E. Fisher of R.E. Fisher & Associate, Inc.
2. Statement letter of no financial interest, dated October 19, 1999, signed by Wm. M. Meyers, P.E. and Robert E. Fisher of R.E. Fisher & Associate, Inc.
3. Letter of compliance, (statement of compliance stated in test report) Test Report No. **ATL-0802.01-99**, by., American Testing Lab of South Florida., dated 10-25-99, signed and sealed by William R. Mehner, P.E.

Ishaq I. Chanda
Ishaq I. Chanda, P.E. Product Control Examiner
Product Control Division



TYPICAL ELEVATION

575-110 STEEL REINFORCEMENT
TYP. @ ALL INTERMEDIATE VERTICAL MULLIONS

GLAZING SCHEDULE	
GLASS TYPE	MAX. DLO SIZE
A = 5/8" HRG-2 BY VIRACON: 1/4" HEAT STRENGTHENED OUTBOARD LITE / .050 URETHANE / .080 POLYCARBONATE / .050 URETHANE / 1/4" HEAT STRENGTHENED INBOARD LITE	57-1/2" x 115" = 45.9 SQUARE FEET
TYPICAL GLASS SIZE = DLO + 1-1/4"	

DESIGN PRESSURE = +/- 86 PSF

NOTES:

- SEE SHEET 2 OF 5 FOR PERIMETER FASTENER SCHEDULE AND LOCATIONS.
- HORIZONTAL MULLION (DETAIL 5/4) IS OPTIONAL AT ANY LOCATION IN ANY BAY.

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE MARCH 29, 2001
BY Ishaq J. Chanda
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 99-1108-06

Kawneer
ARCHITECTURAL PRODUCTS
P. O. BOX 516
JONESBORO, GEORGIA 30236
PHONE (770) 478-8841
FAX (770) 603-4558

THIS DRAWING IS FOR
DADE COUNTY
PRODUCT APPROVAL
ONLY

DESCRIPTION
PRODUCT APPROVAL DRAWINGS
KAWNEER IR 500 - L. M. IMPACT
VIRACON HRG-2 INFILL
PROTOCOLS PA 201/202/203

DRAWN BY JME DATE 10-14-99

DRWG. NO. J904-DC

SHEET 1 of 5 J904DC1.DWG

SCALE:

NO.	DATE	DESCRIPTION OF REVISION
3	2-28-01	REVISED PER DADE COUNTY
2	1-5-01	REVISED PER DADE COUNTY
1	9-12-00	REVISED PER DADE COUNTY
		BY JME
		BY JME
		BY JME

#	PT. NO.	DESCRIPTION	DIMENSIONS	MATERIAL	NOTES
1	27-074	STANDARD FIXED GASKET	.188 SPACE	EPDM	KAWNEER RUBBER & PLASTICS
2	27-077	HEAVY FIXED GASKET	.250 SPACE	EPDM	KAWNEER RUBBER & PLASTICS
3	27-806	FIXED WEATHERSTRIP	.062 SPACE	SANTOPRENE	KAWNEER RUBBER & PLASTICS
4	127-011	SILICONE SPACER	.250 SPACE	SANTOPRENE	KAWNEER RUBBER & PLASTICS
5	127-012	SILICONE SPACER	.313 SPACE	SANTOPRENE	KAWNEER RUBBER & PLASTICS
6	127-015	SETTING BLOCK	.813 x .813	EPDM	KAWNEER RUBBER & PLASTICS
7	175-313	WATER DEFLECTOR	-	PVC	ASTRO PLASTICS
8	575-001	JAMB	2.500 x 5.000 x .090	6063-T5 ALUMINUM	
9	575-002	POCKET FILLER	.845 x 4.316 x .090	6063-T5 ALUMINUM	
10	575-003	SILL/HEAD	2.500 x 4.952 x .090	6063-T5 ALUMINUM	
11	575-004	GLASS STOP	1.543 x 1.933 x .075	6063-T5 ALUMINUM	
12	575-006	OPTIONAL SILL/HEAD	2.500 x 4.952 x .090	6063-T5 ALUMINUM	
13	575-007	SNAP-IN COVER	.252 x 1.080	6063-T5 ALUMINUM	
14	575-009	VERTICAL EXPANSION MULLION (MALE HALF)	2.093 x 5.000 x .090	6063-T5 ALUMINUM	
15	575-010	VERTICAL EXPANSION MULLION (FEMALE HALF)	1.465 x 5.000 x .090	6063-T5 ALUMINUM	
16	575-011	HORIZONTAL MULLION	2.500 x 4.952 x .090	6063-T5 ALUMINUM	
17	575-012	OPTIONAL ONE PIECE HEAD	2.500 x 5.000 x .090	6063-T5 ALUMINUM	
18	575-013	VERTICAL MULLION	2.500 x 5.000 x .090	6063-T5 ALUMINUM	
19	575-036	STRAP ANCHOR	.857 x 6.434 x .250" (TYP.)	6063-T5 ALUMINUM	
20	575-037	SILL FLASHING	2.594 x 5.250 x .080	6063-T5 ALUMINUM	
21	575-110	STEEL REINFORCEMENT	1.000 x 4.282 x .135	GRADE 33 STEEL	
22	575-114	END DAM	1.750 x 2.000 x .050	6063-T5 ALUMINUM	
23	128-267	SPLINE SCREW	#12 X 1" PHTFS	300 SERIES STAINLESS ST.	

MATERIALS LIST

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE MARCH 29, 2001
 BY: Shag J. Chanda
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 99-1108-06

Kawneer
 ARCHITECTURAL PRODUCTS
 P. O. BOX 516
 JONESBORO, GEORGIA 30236
 PHONE (770) 478-8841
 FAX (770) 603-4558

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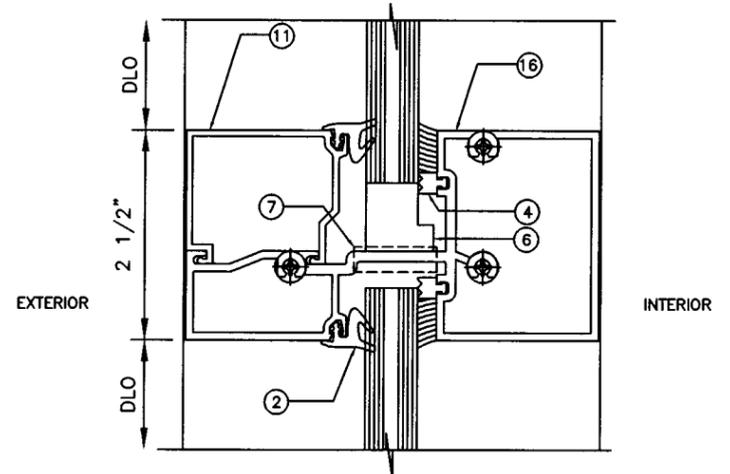
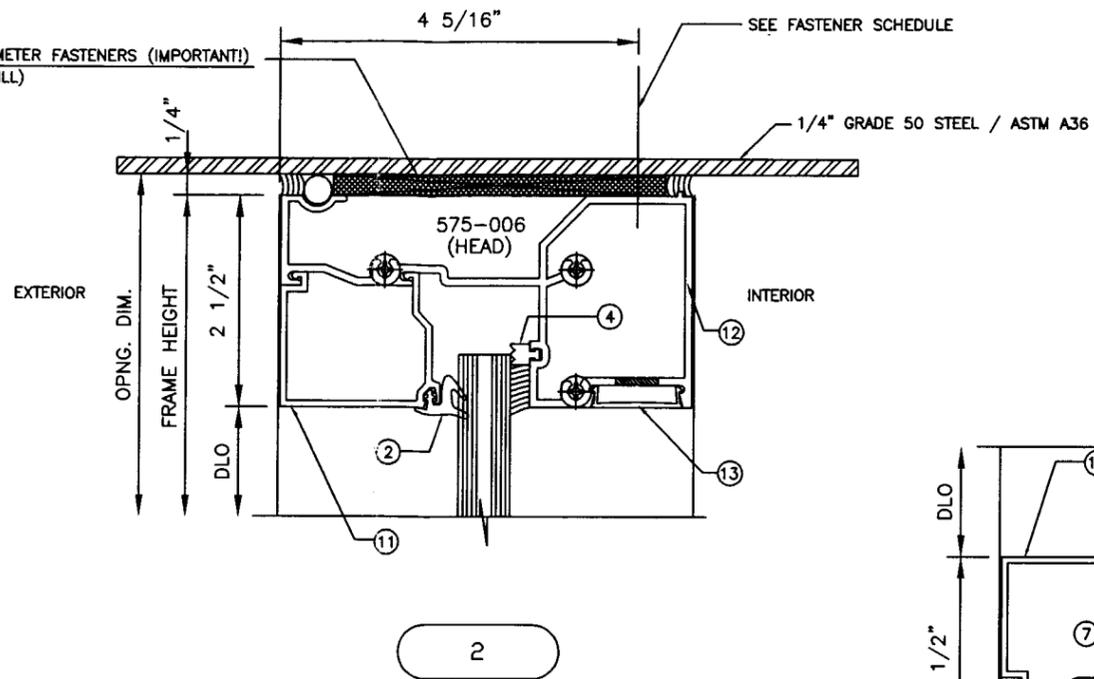
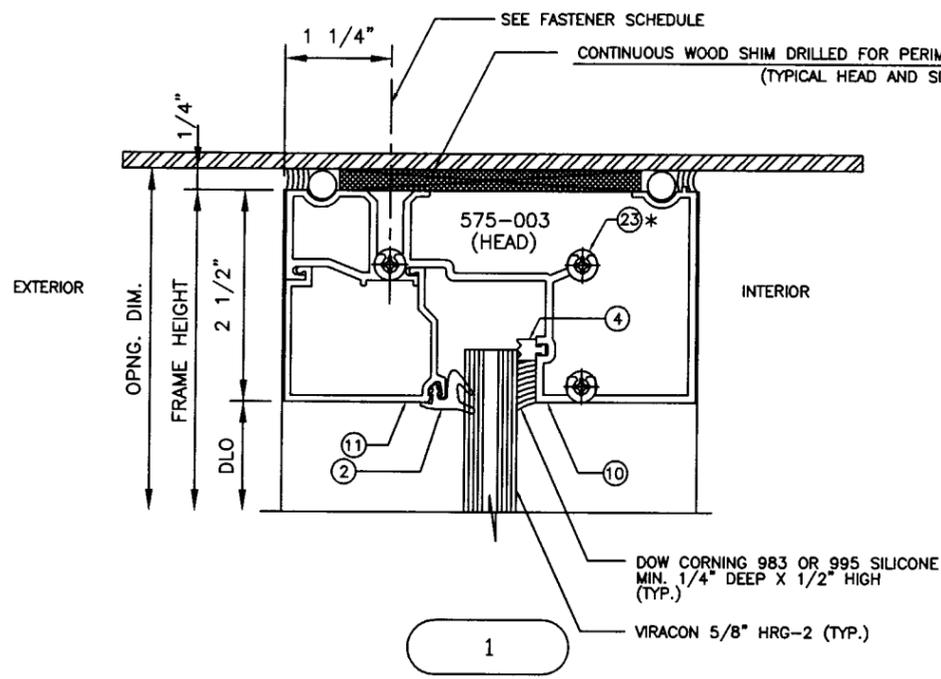
DESCRIPTION
 PRODUCT APPROVAL DRAWINGS
 KAWNEER IR 500 - L. M. IMPACT
 VIRACON HRG-2 INFILL
 PROTOCOLS PA 201/202/203

DRAWN BY: JME DATE: 10-14-99

DRWG. NO. J904-DC

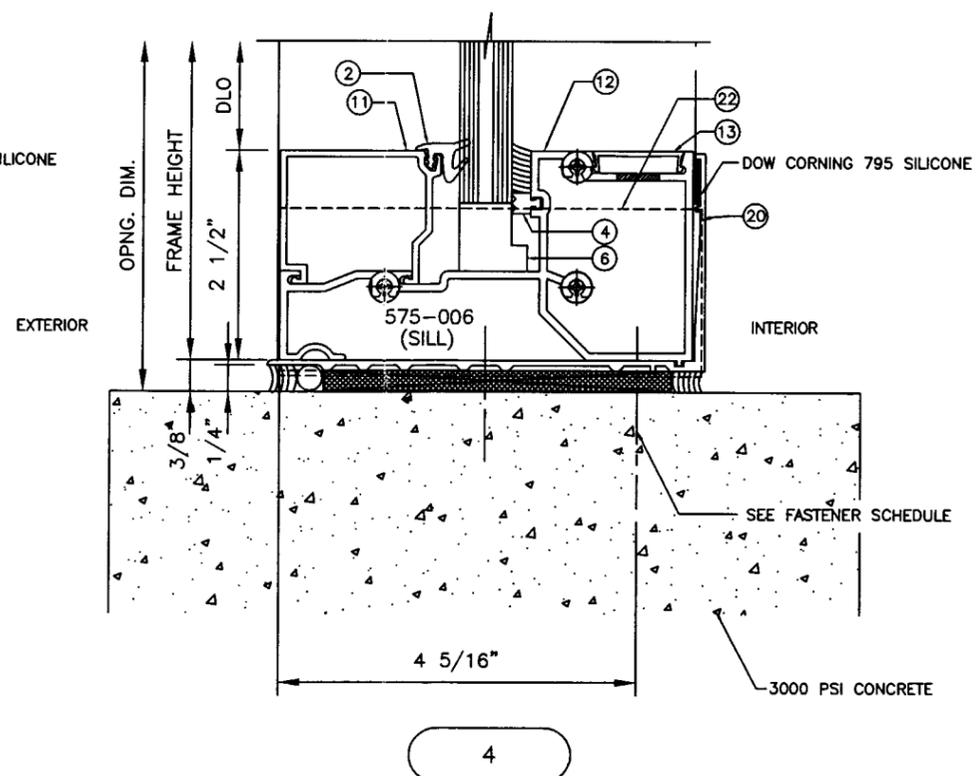
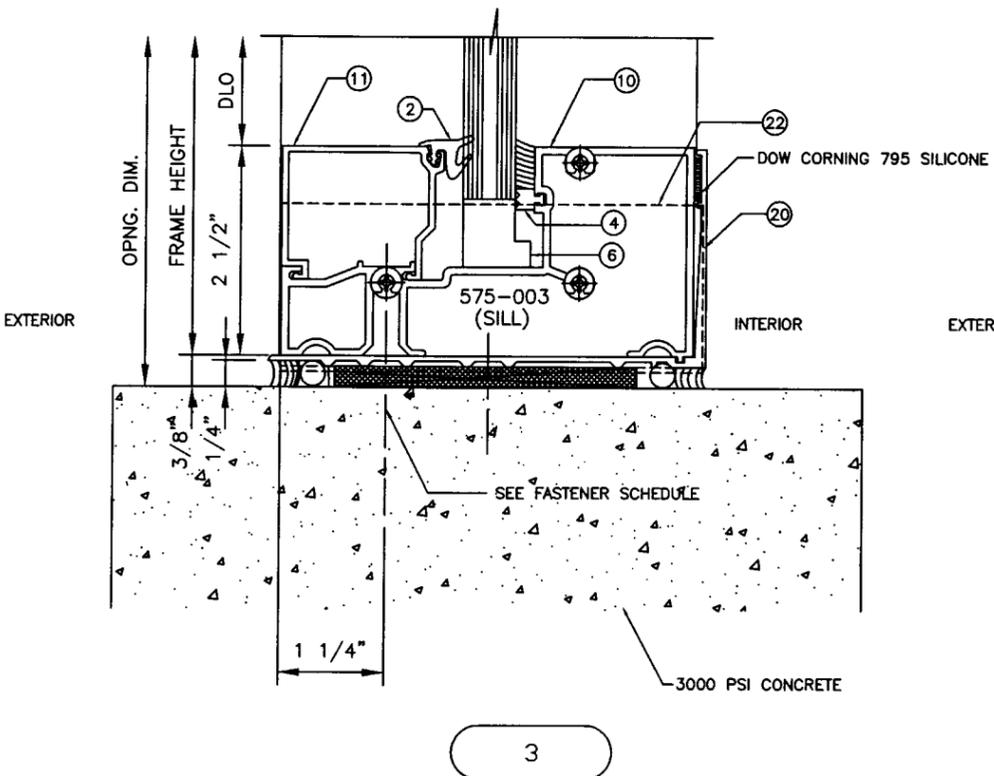
SHEET 3 of 5 J904DC3.DWG

NO.	DATE	DESCRIPTION OF REVISION	BY
3	2-16-01	REVISED PER DADE COUNTY	JME
2	1-5-01	REVISED PER DADE COUNTY	JME
1	9-12-00	REVISED PER DADE COUNTY	JME



* 23 TYP. ● ALL SPLINE CONNECTIONS

NOTE: THE MATERIALS, GLAZING CONFIGURATION AND GLASS BITE SHOWN IN DETAIL 1 IS TYPICAL FOR ALL DETAILS IN THESE DRAWINGS UNLESS NOTED OTHERWISE.



NO.	DATE	DESCRIPTION OF REVISION	BY
3	2-28-01	REVISED PER DADE COUNTY	JME
2	1-05-01	REVISED PER DADE COUNTY	JME
1	9-12-00	REVISED PER DADE COUNTY	JME

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE: MARCH 29, 2001
 BY: Shaq I. Chaudhry
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 99-1108.06

Kawneer
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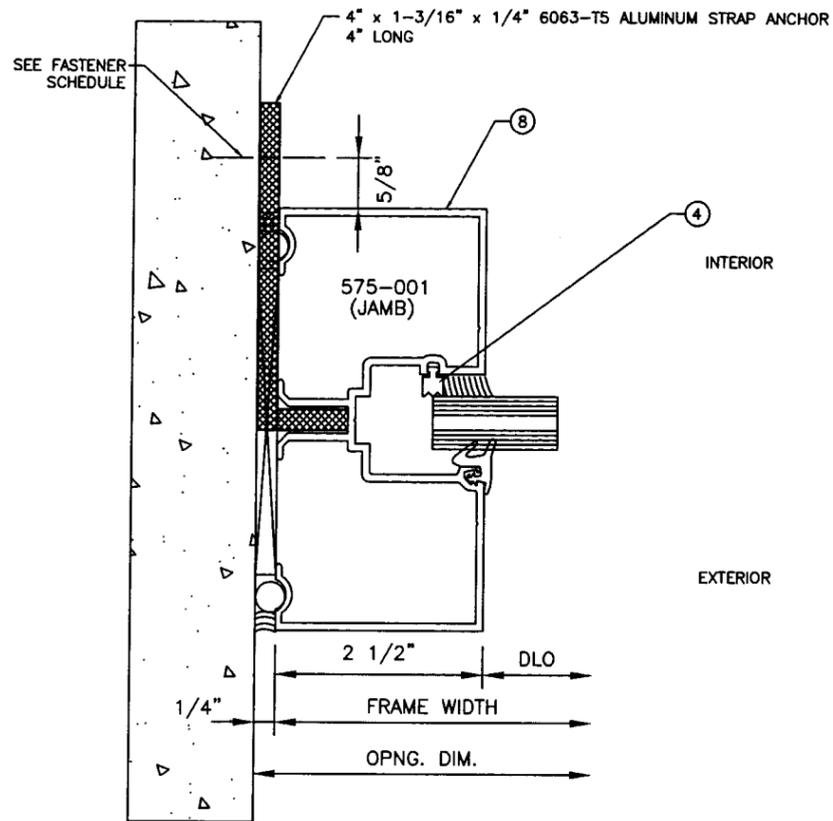
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 VIRACON HRG-2 INFILL
 PROTOCOLS PA 201/202/203

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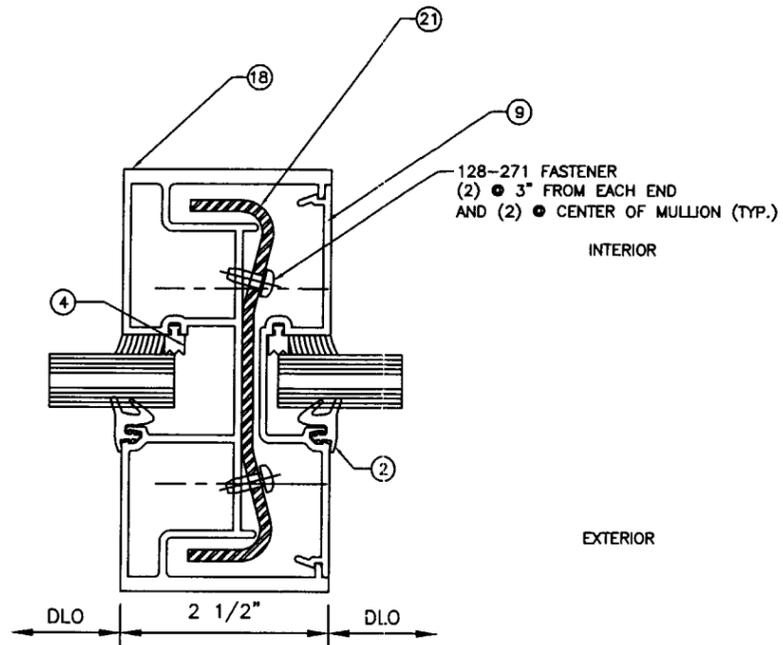
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SHEET: 4 of 5
 J904DC4.DWG

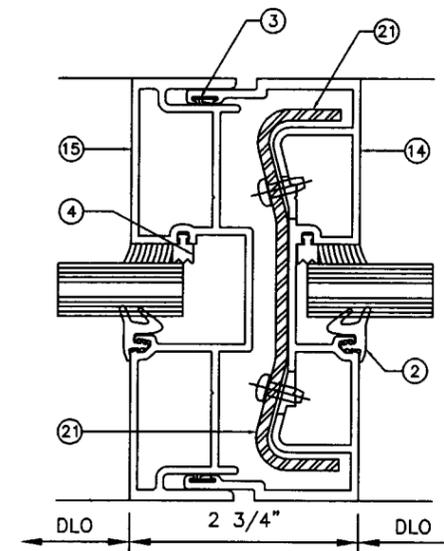
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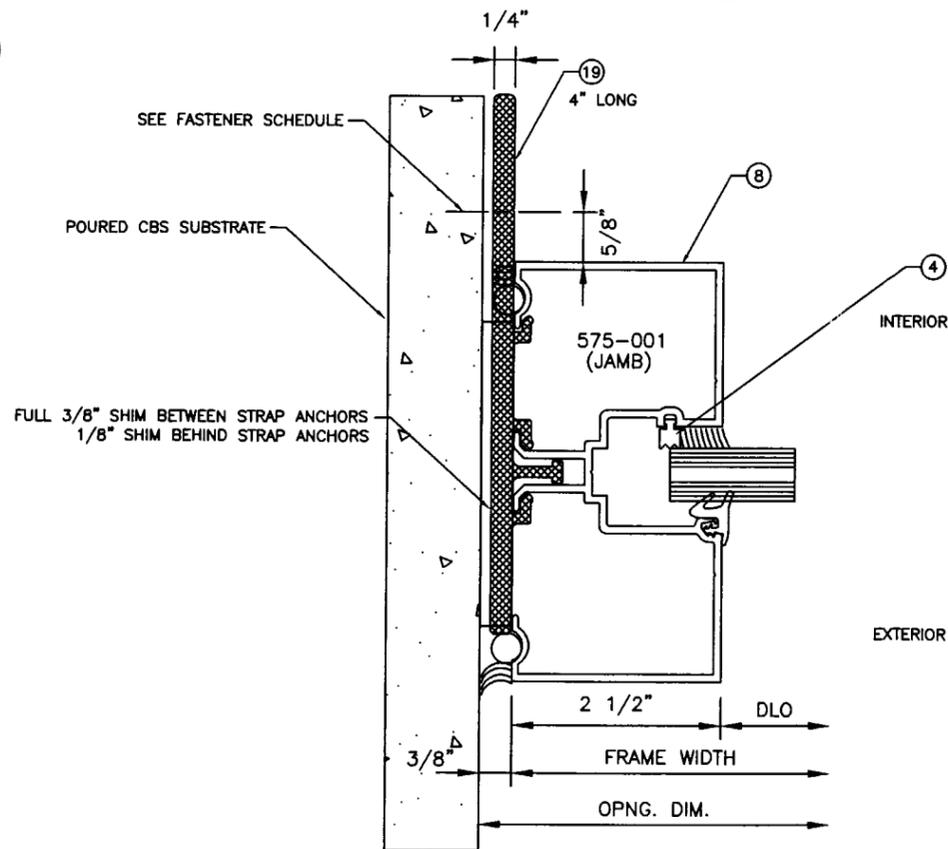
6



7
STANDARD MULLION



8
EXPANSION MULLION



6A

NO.	DATE	DESCRIPTION OF REVISION	BY
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SHEET 5 of 5 J904DC5.DWG

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