



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

Glasswall and Doors, Inc.
3945 NW 32 Avenue
Miami, FL 33142

Your application for Notice of Acceptance (NOA) of:

Series 101 Aluminum Window Wall System - Impact Resistant

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.: 01-0402.02
EXPIRES: 09/27/2006

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: 09/27/2001



Glasswall & Doors, Inc.

ACCEPTANCE No.: 01-0402.02

APPROVED : SEP 27 2001

EXPIRES : SEP 27 2006

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 drawing.

2. PRODUCT DESCRIPTION

2.1 The **Series 101 Aluminum Window Wall System – Impact Resistant** and its components shall be constructed in strict compliance with the following document: Drawing No. **00-248**, Sheets 1 thru 3 of 3, titled “WINDOW WALL SERIES 101,” prepared by Knezevich & Associates, Inc., dated 3/27/01 with last revision on 8/02/01, signed and sealed by V. John Knezevich, 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. This document shall hereinafter be referred to as the approved drawing.

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 in 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):

4.2.1 For Large Missile Impact Glass: the installation of this unit **will not require** a hurricane protection system.

4.2.2 For Small Missile Impact Glass: the installation of this unit up to 30 feet above grade, **will require** a hurricane protection system, but for installations above 30 feet above grade **will not require** a hurricane protection system.

4.2.3 To determine if the glass is large missile or small missile impact resistant, see glazing detail on Sheet 1 of approved drawings.

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".

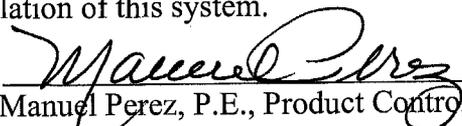
6. BUILDING PERMIT REQUIREMENTS

6.1 Application for building permit shall be accompanied by two 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.


Manuel Perez, P.E., Product Control Examiner
Product Control Division

Glasswall & Doors, Inc.

ACCEPTANCE No.: 01-0402.02

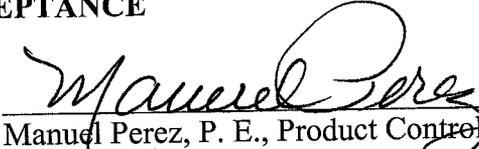
APPROVED : SEP 27 2001

EXPIRES : SEP 27 2006

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.

END OF THIS ACCEPTANCE



Manuel Perez, P. E., Product Control Examiner
Product Control Division

Glasswall & Doors, Inc.

ACCEPTANCE No.: 01-0402.02

APPROVED : SEP 27 2001

EXPIRES : SEP 27 2006

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED
(For File ONLY. Not part of NOA.)

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **00-248**, Sheets 1 thru 3 of 3, titled "Window Wall Series 101", prepared by Knezevich & Associates, Inc., dated 3/27/01, with last revision on 8/02/01, signed and sealed by V. John Knezevich P.E.

B. TESTS

1. Test reports on
 - 1) Air Infiltration Test, per SFBC, PA 202-94
 - 2) Uniform Structural load Test, Loading per SFBC, PA 202-94
 - 3) Water Resistance Test, per SFBC, PA 202-94
 - 4) Large Missile Impact Test per SFBC, PA 201-94
 - 5) Small Missile Impact Test per SFBC, PA 201-94
 - 6) Cyclic Wind Pressure Loading per SFBC, PA 203-94

Along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Construction Testing Corporation, Test Report No. **01-002**, dated March 19, 2001, signed and sealed by Yamil G. Kuri, P.E., and additional information describing tests sequence, provided by Construction Testing Corporation and dated 1/17/01.

C. CALCULATIONS

1. Anchor calculations and structural analysis, dated 3/26/01, prepared by Knezevich Associates, Inc., signed and sealed by V. John Knezevich, P.E.
2. Supplementary calculations, dated 8/2/01, prepared by Knezevich Associates, Inc., signed and sealed by V. John Knezevich, P.E.

D. MATERIAL CERTIFICATIONS

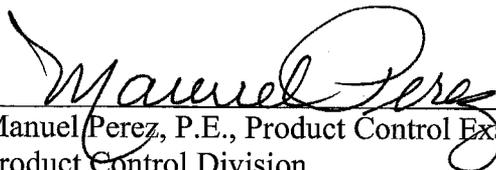
1. Notice of Acceptance No. **98-0608.03** issued to E.I. DuPont DeNemours, for "Sentry Glass Plus" approved on 01/14/1999, expiring on 01/14/2002.
2. Notice of Acceptance No. **98-0728.05** issued to Solutia Inc., for "Saflex III G PVB Polyvinyl butryal interlayer" approved on 08/27/1998, expiring on 05/21/2001
3. Notice of Acceptance No. **01-0205.02** issued to Solutia Inc., for "Saflex/Keepsafe Maximum" approved on 05/17/200, expiring on 05/21/2006

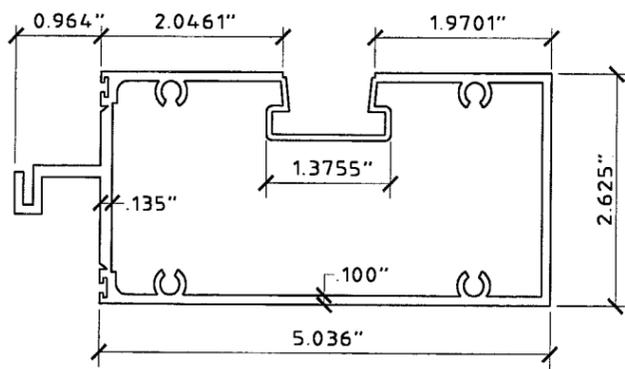
E. STATEMENTS

1. Statement letter of compliance, dated March 27, 2001, signed and sealed by V. John Knezevich, P.E.
2. Statement letter of no financial interest, dated February 13, 2001, signed and sealed by V. John Knezevich, P.E.

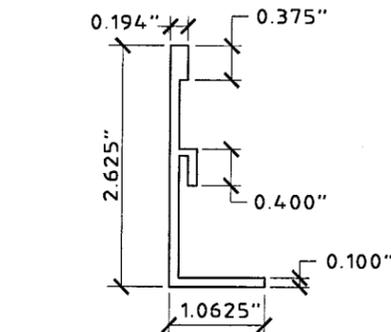
F. OTHER

1. None.

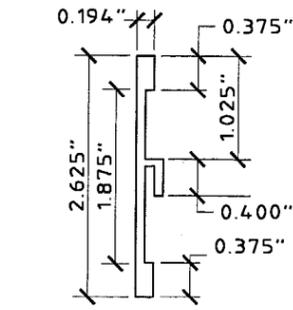

Manuel Perez, P.E., Product Control Examiner
Product Control Division



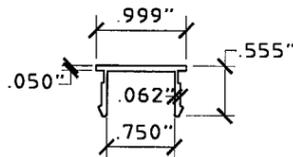
① HEAD AND SILL 101-001
SCALE: HALF SIZE



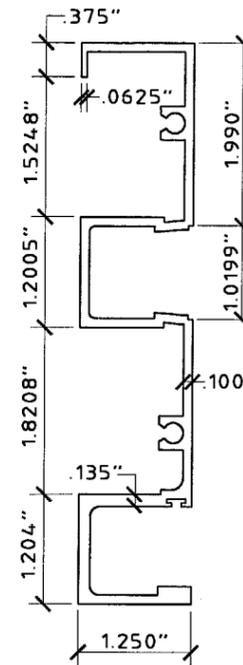
② GLAZING BEAD 101-007
SCALE: HALF SIZE



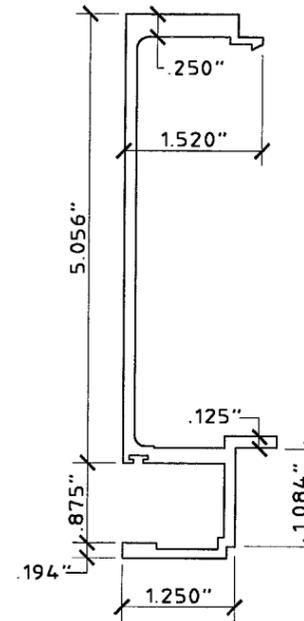
②a GLAZING BEAD 101-005
SCALE: HALF SIZE



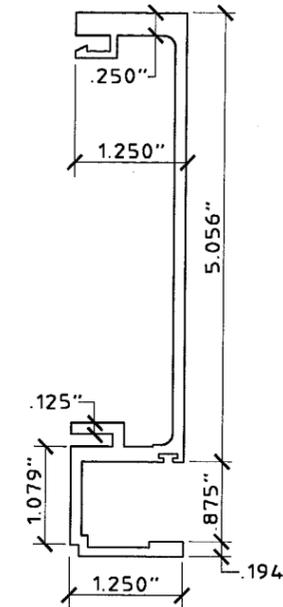
③ SNAP COVER 101-006
SCALE: HALF SIZE



④ JAMB 101-002
SCALE: HALF SIZE



⑤ M VERTICAL MULL 100-003
SCALE: HALF SIZE



⑥ F VERTICAL MULL 101-004
SCALE: HALF SIZE

WINDOW DIMENSIONS		DESIGN LOAD CAPACITY (P.S.F.)	
MAX. WIDTH	MAX. HEIGHT	POSITIVE	NEGATIVE
4'	9' - 2"	110.0	110.0

"LARGE MISSILE" IMPACT GLASS

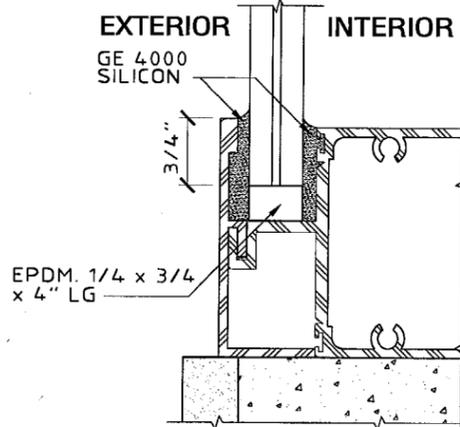
DESIGN LOAD = 110 P.S.F.
TEST LOAD = 165 P.S.F.
TEST: PA201 LM AND PA203
GLASS MANUFACTURED BY VITEMCO: 1/4" HEAT STRENGTHENED / .090" SENTRY GLASS PLUS BY DUPONT / 1/4" HEAT STRENGTHENED

LAMINATE MANUFACTURED BY DUPONT

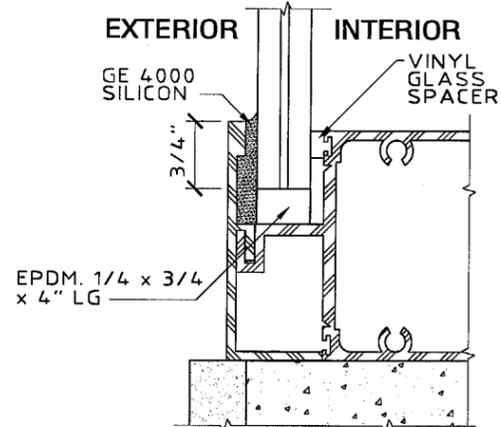
"SMALL MISSILE" IMPACT GLASS

DESIGN LOAD = 110 P.S.F.
TEST LOAD = 165 P.S.F.
TEST: PA201 SM AND PA203
GLASS MANUFACTURED BY VITEMCO: 1/4" TEMPERED / .090" SAFLEX PVB BY SOLUTIA / 1/4" TEMPERED

LAMINATE MANUFACTURED BY SOLUTIA

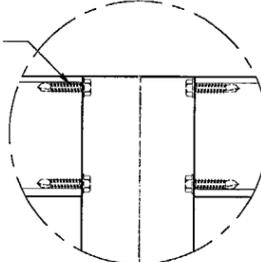


SECTION C LARGE MISSILE TYP. GLAZING DETAIL
SCALE: HALF SCALE



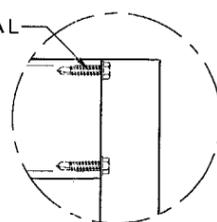
SECTION D SMALL MISSILE TYP. GLAZING DETAIL
SCALE: HALF SCALE

EIGHT #14 x 1" S.M.S. (INTERNALLY) TYPICAL



DETAIL 1
SCALE: 3" = 1' - 0"

FOUR #14 x 1" S.M.S. (INTERNALLY) TYPICAL



DETAIL 2
SCALE: 3" = 1' - 0"

GENERAL NOTES

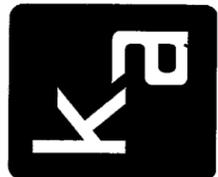
- THIS WINDOW SYSTEM IS DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 1994 DADE COUNTY EDITION OF THE SOUTH FLORIDA BUILDING CODE (S.F.B.C.) CHAPTER 4, CHAPTER 23, CHAPTER 35, UNDER THE SPECIFIC CONDITIONS SHOWN ON THIS DRAWING.
- ALL EXTRUSIONS ARE ALUMINUM, 6005-T5 ALLOY.
- WOOD BUCKS SHALL BE INSTALLED (NOT BY GLASSWALL) AND ANCHORED SO THAT THE BUILDING RESISTS THE SUPERIMPOSED LOADS IN ACCORDANCE WITH REQUIREMENTS OF 1994 S.F.B.C.
- ANCHORS DESCRIBED IN THIS LAYOUT ARE AS PER TEST UNIT, OTHER CONDITIONS TO BE ENGINEERED SEPARATELY.
- ANCHOR CONDITIONS NOT DESCRIBED IN THIS DRAWING ARE TO BE ENGINEERED ON A SITE SPECIFIC BASIS.
- FRAME HEAD AND SILL USE SAME FASTENER SPACING.

GLASS WALL

SERIES 101 WINDOW WALL BASED ON CONSTRUCTION TESTING CORPORATION No. 01-002
GLASS: (1/4" TEMPERED / .090" SAFLEX PVB / 1/4" TEMPERED) (SMALL MISSILE IMPACT TESTS) (1/4" HEAT STRENGTHENED / .090" SENTRY GLASS PLUS / 1/4" HEAT STRENGTHENED) (LARGE MISSILE IMPACT TESTS)
DESIGN PRESSURE: 110 P.S.F. (POSITIVE & NEGATIVE)
WTP = 16.5 PSF.

NO	PART NO	REQ'D	PART NAME	REMARKS
1	101-001	2	HEAD AND SILL	FRAME
2	101-007	2	GLAZING BEAD	FRAME
3	101-006	4	SNAP COVER	FRAME
4	101-002	2	JAMB	FRAME
5	100-003	2	M VERTICAL MULL	FRAME
6	101-004	2	F VERTICAL MULL	FRAME
7	N/A	3	9/16" LAMINATED GLASS	PANEL
8	SETTING BLOCK	6	EPDM. 1/4" x 3/4" x 4" LG.	

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE SEP 27 2001
BY Maurice Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0402-02



KNEZEVICH & ASSOCIATES, INC.
CONSULTING ENGINEERS • PRODUCT TESTING
1280 N. UNIVERSITY DRIVE, SUITE 160 • FORT LAUDERDALE, FL 33322
TEL: (864) 382-2900 • FAX: (864) 382-2988 • FLORIDA COA #3205
WEBSITE: WWW.KNEZEVICH.COM • E-MAIL: K@KNEZEVICH.COM
COPYRIGHT © 2000 KNEZEVICH & ASSOCIATES, INC.

WINDOW WALL SERIES 101
GLASSWALL & DOORS, INC.
3945 N.W. 32nd AVENUE
MIAMI, FLORIDA 33142
TEL: (305) 638-5151 FAX: (305) 638-5158

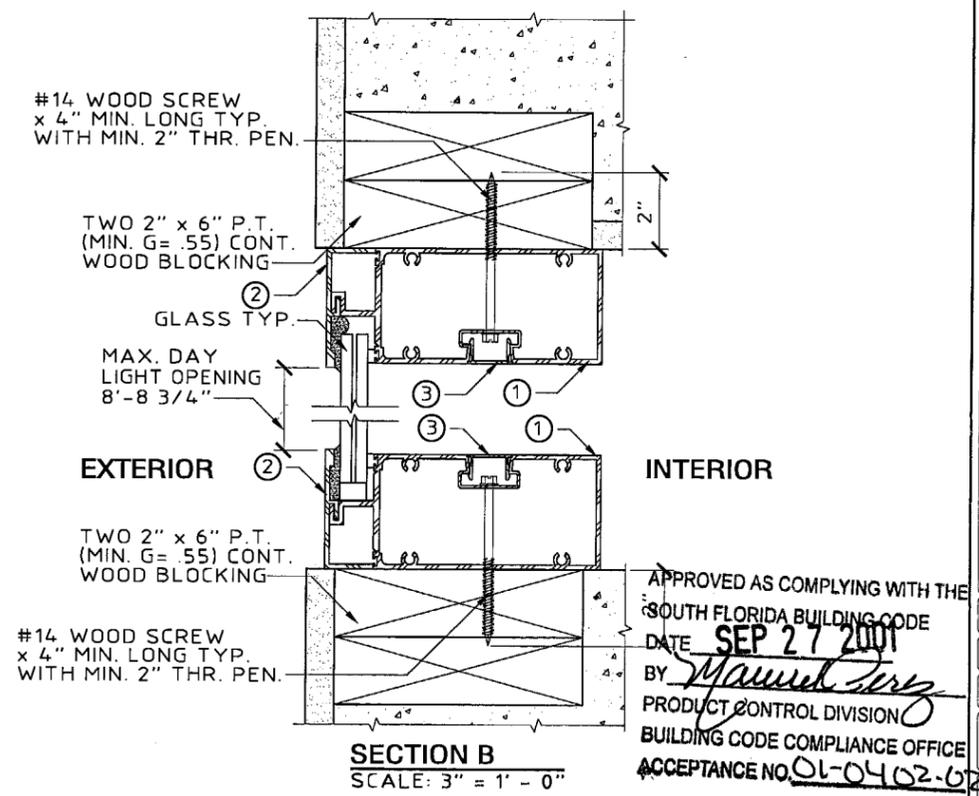
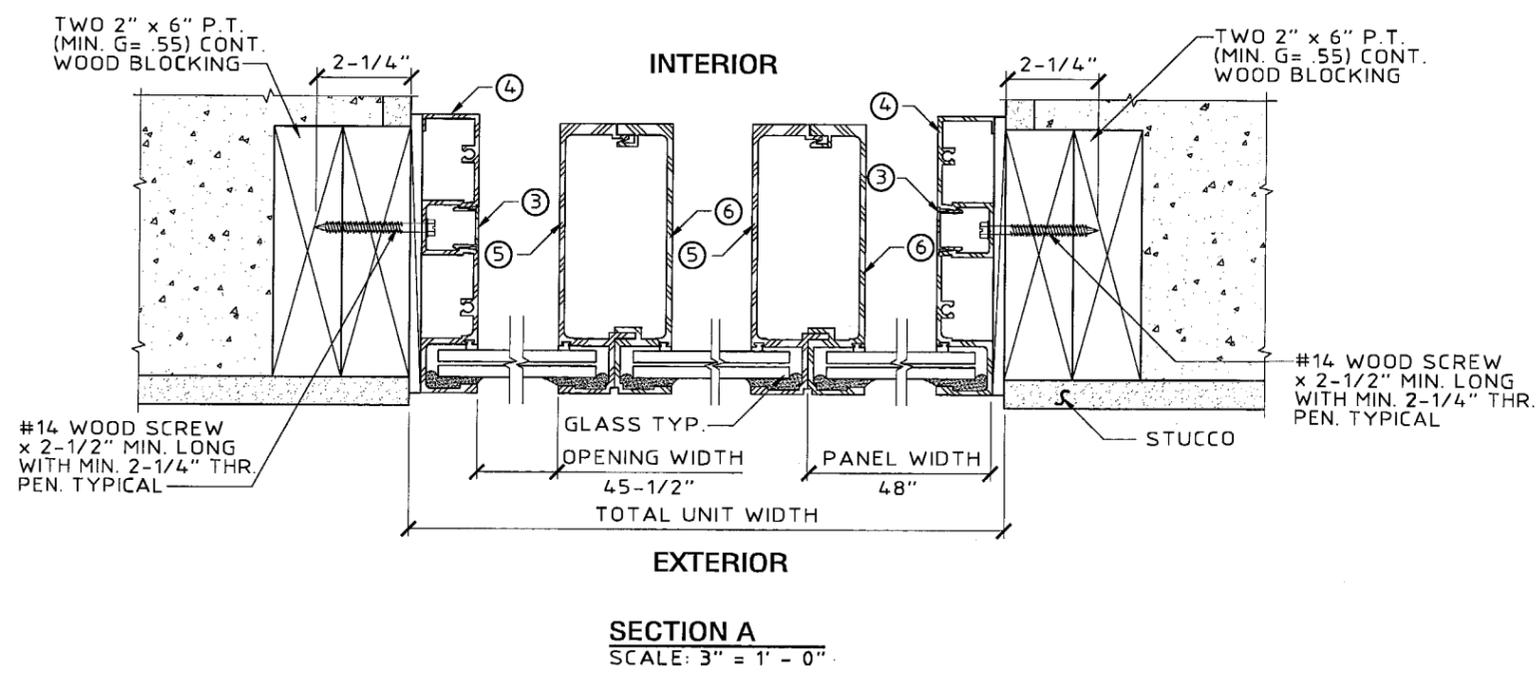
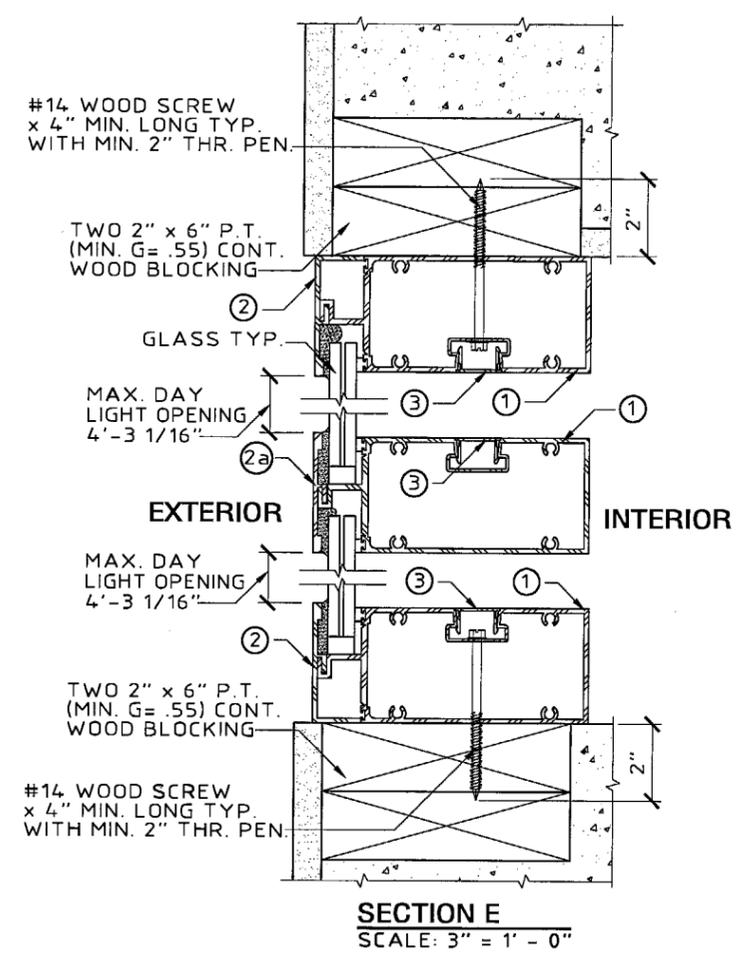
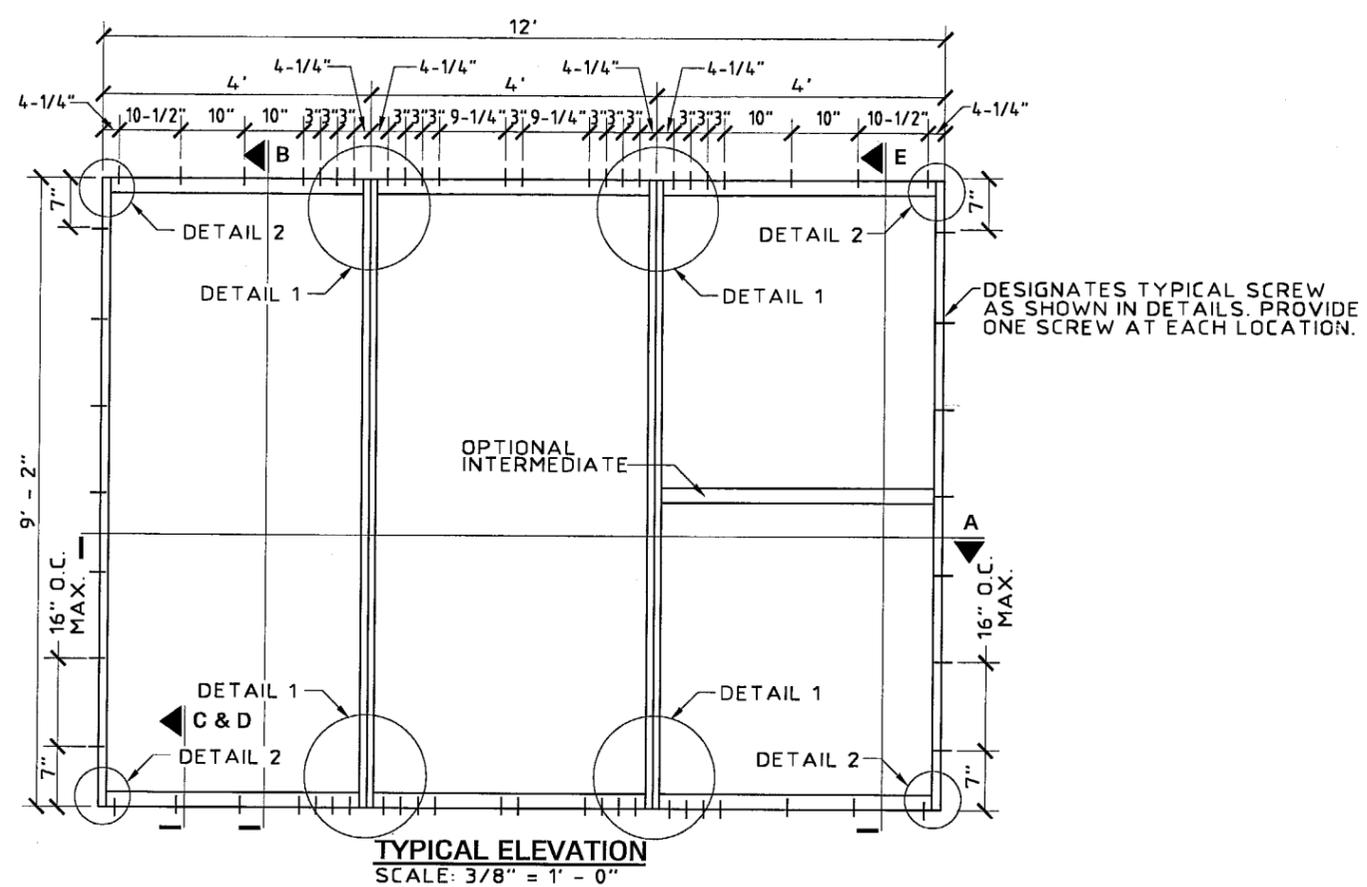
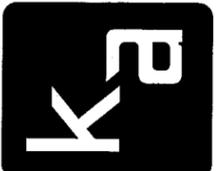
NO.	DATE	BY	DESCRIPTION	COUNTY COMMENTS
1	08/02/01	AS		

V.J. KNEZEVICH
PROFESSIONAL ENGINEER
FL License No: PE 0010983

AUG 03 2001
DATE 03/27/01

Scale AS NOTED
design by AS
checked by VJK

drawing no. **00-248**
sheet 1 of 3



KNEZEVICH & ASSOCIATES, INC.
CONSULTING ENGINEERS • PRODUCT TESTING

1260 N. UNIVERSITY DRIVE, SUITE 180 • FORT LAUDERDALE, FL 33322
TEL: (954) 382-2800 • FAX: (954) 382-2889 • FLORIDA COA #5205
WEBSITE: WWW.KNEZEVICH.COM • E-MAIL: KAG@KNEZEVICH.COM

COPYRIGHT © 2000 KNEZEVICH & ASSOCIATES, INC.

WINDOW WALL SERIES 101

GLASSWALL & DOORS, INC.
3945 N.W. 32nd AVENUE
MIAMI, FLORIDA 33142
TEL: (305) 638-5151 FAX: (305) 638-5158

REVISIONS	
no.	description
1	COUNTY COMMENTS

V.J. KNEZEVICH
PROFESSIONAL ENGINEER
FL License No:
PE 0010983

AUG 03 2001

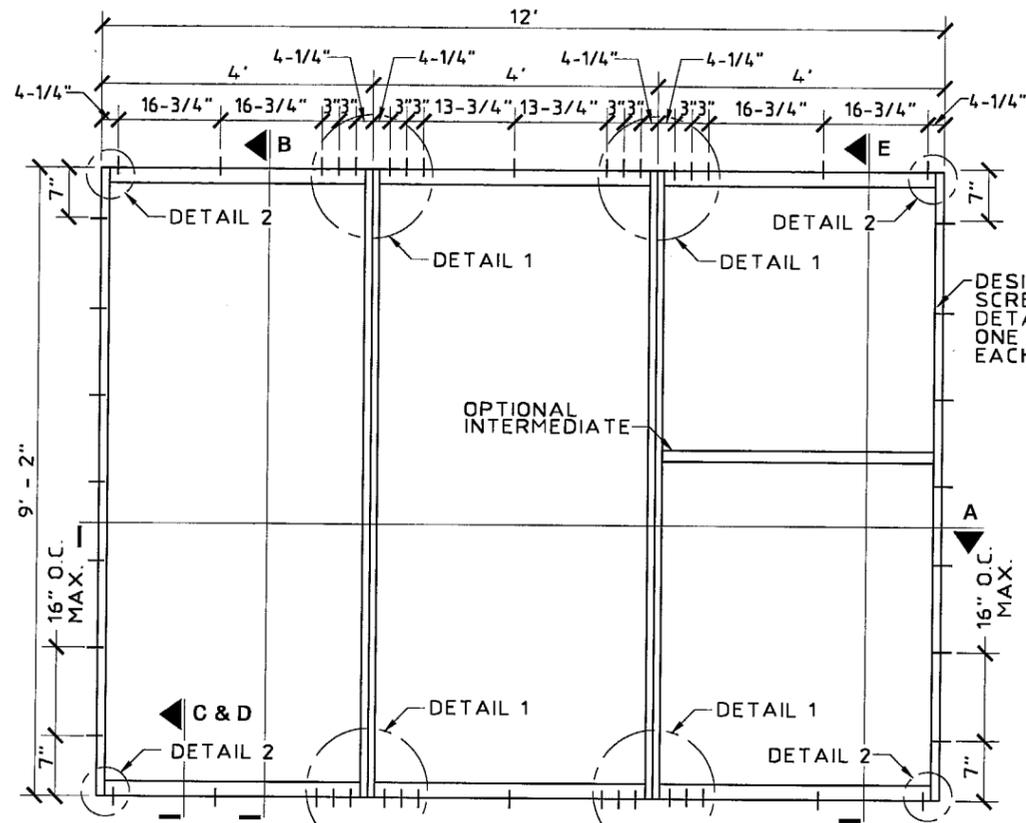
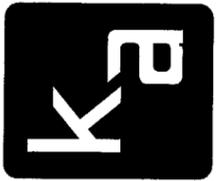
date 03/27/01

scale AS NOTED drawn by AV

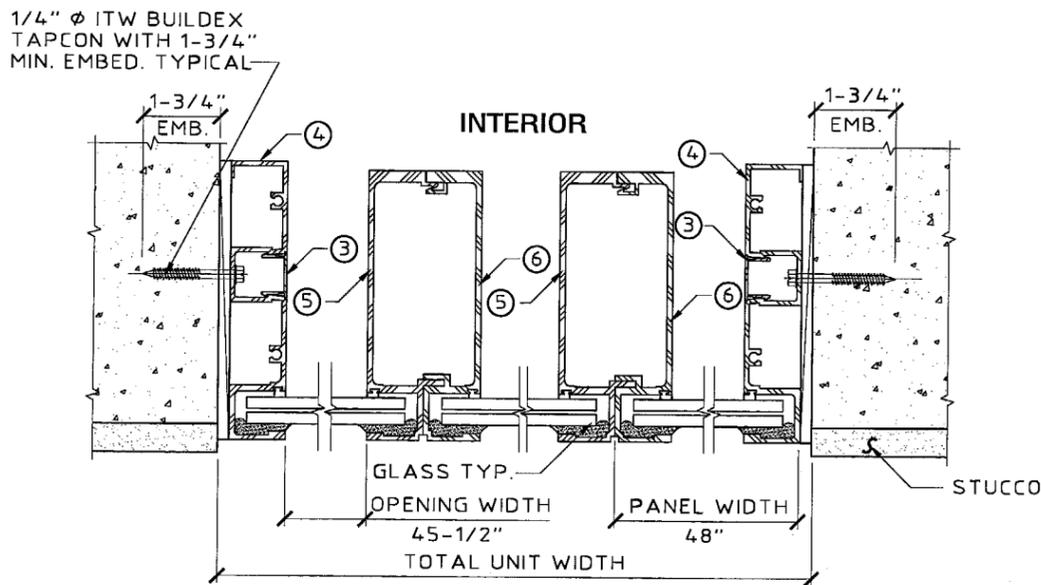
design by AS checked by VJK

drawing no. **00-248**

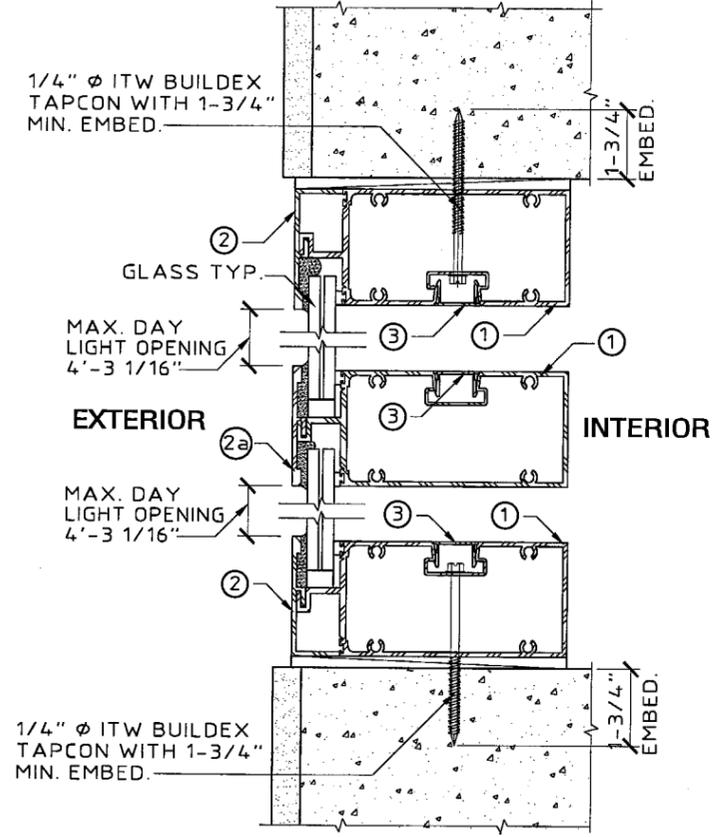
sheet 2 of 3



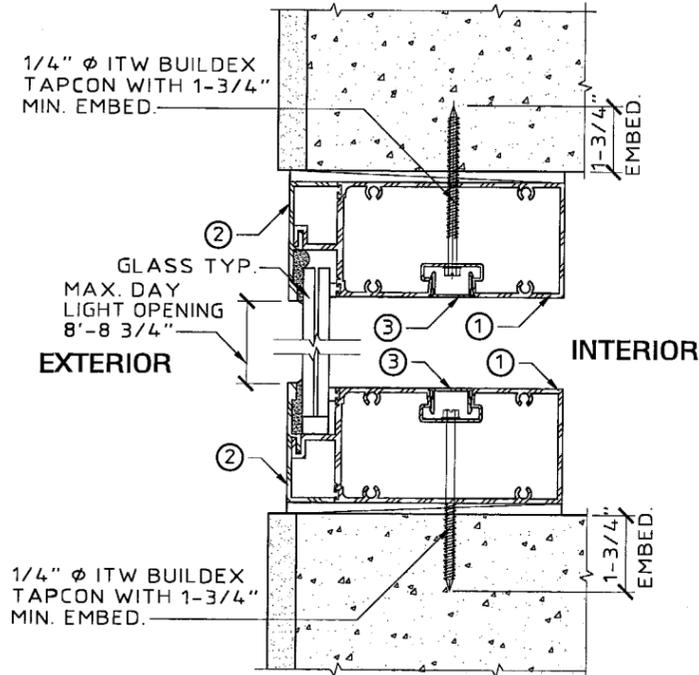
TYPICAL ELEVATION
SCALE: 3/8" = 1' - 0"



SECTION A
SCALE: 3" = 1' - 0"



SECTION E
SCALE: 3" = 1' - 0"



SECTION B
SCALE: 3" = 1' - 0"

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **SEP 27 2001**
BY *Manuel J...*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. **01-0402-02**

KNEZEVICH & ASSOCIATES, INC.
CONSULTING ENGINEERS • PRODUCT TESTING
1260 N. UNIVERSITY DRIVE, SUITE 180 • FORT LAUDERDALE, FL 33322
TEL: (954) 882-2800 • FAX: (954) 382-2888 • FLORIDA COA #5205
WEBSITE: WWW.KNEZEVICH.COM • E-MAIL: KAG@KNEZEVICH.COM
COPYRIGHT © 2000 KNEZEVICH & ASSOCIATES, INC.

WINDOW WALL SERIES 101
GLASSWALL & DOORS, INC.
3945 N.W. 32nd AVENUE
MIAMI, FLORIDA 33142
TEL: (305) 638-5151 FAX: (305) 638-5158

REVISIONS		
no.	date	description
1	08/02/01	AS COUNTY COMMENTS

V.J. KNEZEVICH
PROFESSIONAL ENGINEER
FL License No:
PE 0010983

AUG 03 2001
date 03/27/01
scale AS NOTED drawn by AV
design by AS checked by VJK
drawing no. **00-248**
sheet 3 of 3