



**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)

**Vistawall Architectural Products
803 Airport Road
Terrell, TX 75160**

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 FG-2000 Aluminum Window Wall System

APPROVAL DOCUMENT: Drawing No. **FG2000-01**, titled "Series "FG- 2000" Framing System", sheets 1 through 7 of 7, prepared by manufacture, dated 09/19/03, signed and sealed by William D. Cook, 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: None

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 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Theodore Berman, P.E.**

Handwritten signature and date: 4/20/2004



**NOA No 04-0202.01
Expiration Date: May 20, 2009
Approval Date: May 20, 2004
Page 1**

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturers die drawings and sections.
2. Drawing No. **FG2000-01**, titled "Series "FG-2000" Framing System", sheets 1 through 7 of 7, prepared by manufacture, dated 09/19/03, signed and sealed by William D. Cook, 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
along with marked-up drawings and installation diagram of aluminum window wall system, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0105-1219-02**, Specimen # 1, dated 12/7-20/02, signed and sealed by Vinu J. Abraham, P.E.
2. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
along with marked-up drawings and installation diagram of aluminum window wall system, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0105-1219-02**, Specimen # 2 dated 12/18/02- 04/17/03, signed and sealed by Vinu J. Abraham, P.E.
3. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Water Resistance Test, per FBC, TAS 202-94
along with marked-up drawings and installation diagram of aluminum window wall system, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0105-0417-03**, Specimen # 2, dated 12/18/02- 04/17/03, signed and sealed by Vinu J. Abraham, P.E.
4. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
along with marked-up drawings and installation diagram of aluminum window wall system, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0105-0417-03**, Specimen # 3, dated 04/15-16/03, signed and sealed by Vinu J. Abraham, P.E.
5. 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) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94
along with marked-up drawings and installation diagram of aluminum window wall system, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0105-0417-03**, Specimen # 4, dated 04/15-16/03, signed and sealed by Vinu J. Abraham, P.E.



Theodore Berman, P.E.

Deputy Director, Product Control Division
NOA No 04-0202.01

Expiration Date: May 20, 2009
Approval Date: May 20, 2004

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

6. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94 along with marked-up drawings and installation diagram of aluminum window wall system, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0105-0417-03**, Specimen # 3, dated 04/15-16/03, signed and sealed by Vinu J. Abraham, P.E.

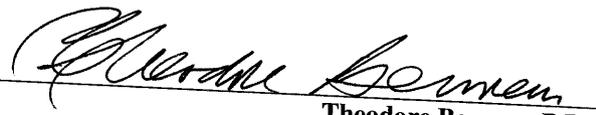
- C. **CALCULATIONS**
 1. Anchor Calculations, ASTM-E1300, and structural analysis, prepared by manufacture, dated 09/19/03, signed and sealed by William D. Cook, P.E.

- D. **QUALITY ASSURANCE**
 1. Miami Dade Building Code Compliance Office (BCCO).

- E. **MATERIAL CERTIFICATIONS**
 1. None

- F. **STATEMENTS**
 1. Statement letter of no financial interest, dated 01/12/04 signed and sealed by William D. Cook, P.E.
 2. Statement letter of Code Compliance issued by Bromley- Cook, on 01/12/04 signed and sealed by William D. Cook, P.E.

- G. **OTHER**
 1. Letter from the consultant stating that the product is in compliance with the Florida Building Code (FBC).



Theodore Berman, P.E.
Deputy Director, Product Control Division

NOA No 04-0202.01
Expiration Date: May 20, 2009
Approval Date: May 20, 2004

DRAWINGS FOR DADE COUNTY PRODUCT APPROVAL FG-2000 FRAMING SYSTEM FOR USE WITH STORM SHUTTERED/EXTERNAL PROTECTIVE DEVICES IN HIGH VELOCITY WIND ZONES

INDEX TO DRAWINGS

- SHEET 1 - INDEX TO DRAWINGS AND NOTES
- SHEET 2 - TYPICAL ELEVATION-HEAVY ALUMINUM MULLION
- SHEET 3 - TYPICAL ELEVATION-STANDARD ALUMINUM MULLION WITH STEEL-LONG SPAN-
- SHEET 4 - TYPICAL ELEVATION-LIGHT ALUMINUM MULLION-SHORT SPAN-
- SHEET 5 - FRAMING DETAILS
- SHEET 6 - BILL OF MATERIALS
- SHEET 7 - GLASS LEGEND

REV	BY	DATE	DESCRIPTION

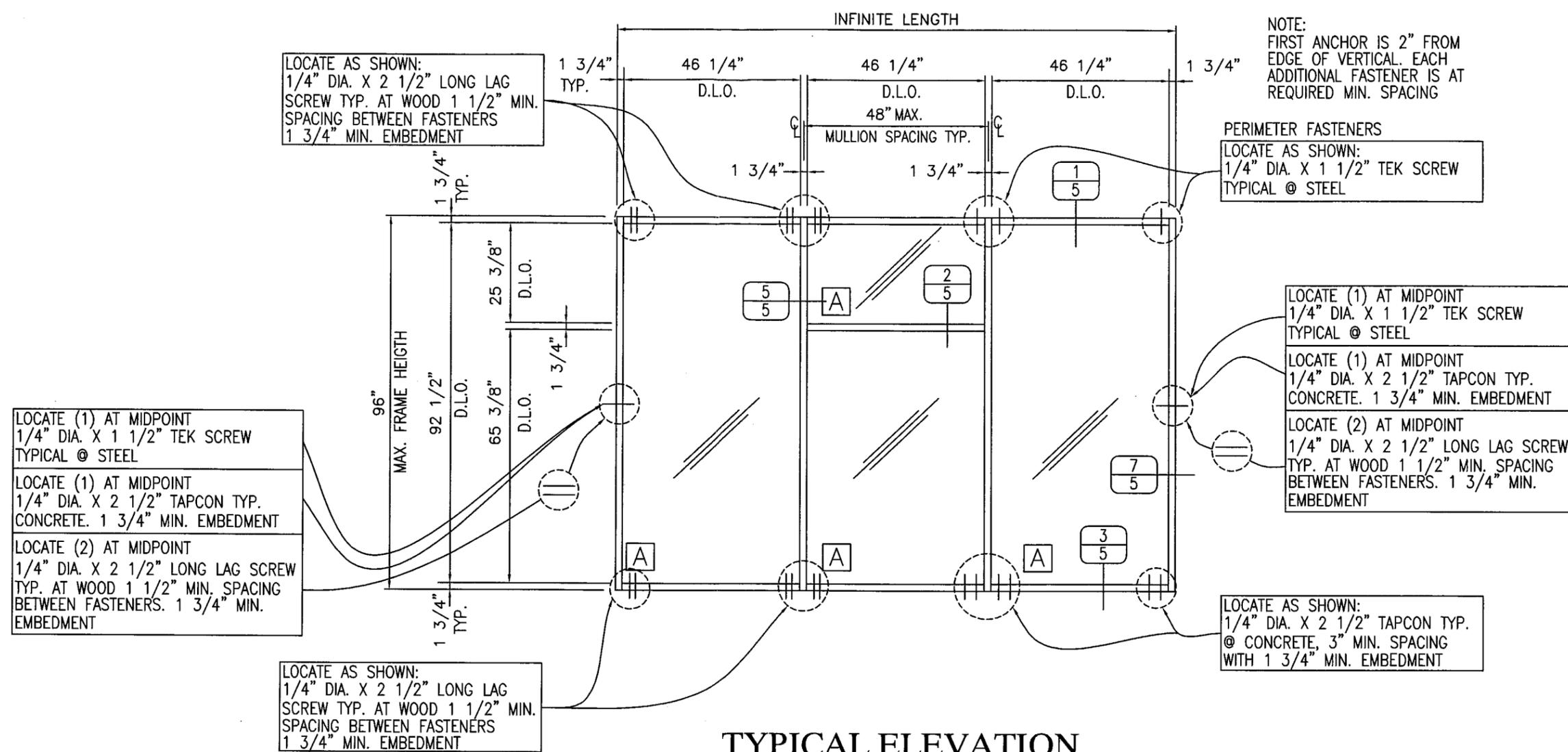
MANUAL COMP

VISTAWALL
ARCHITECTURAL PRODUCTS
214 WALT SANDERS MEMORIAL BLVD. NEWNAN, GA. 30265 (770) 252-9090

THE VISTAWALL GROUP
BUTLER MANUFACTURING COMPANY

PROJECT APPROVAL DRAWINGS
 FG-2000 FRAMING SYSTEM
 PROTOCOL TAS-202
 GENERAL NOTES
 AND INFORMATION

<p>BROMLEY • COOK ENGINEERING Structural Engineering Services 2004 N.E. 49th Street Ft. Lauderdale, FL 33308 954-772-4624</p> <p style="text-align: right;"><i>W</i> JAN 26 2004</p> <p style="text-align: right;">WILLIAM D. COOK P.E. FLA. P.E. #43904 FLA. S.I. #2008</p>	<p>Approved as complying with the Florida Building Code Date <u>05/20/04</u> NOA# <u>04-0202.01</u> Miami Dade Product Control Division By <i>Edward Kenna</i></p>										
<p>DRAWINGS FOR DADE COUNTY PRODUCT APPROVAL</p>	<table border="1" style="width: 100%;"> <tr> <td colspan="2">PROJECT NO. DADE CO.</td> </tr> <tr> <td>DRAWN WRD</td> <td>DATE 9/19/03</td> </tr> <tr> <td colspan="2">SCALE FULL</td> </tr> <tr> <td colspan="2">DRAWING NO. FG2000_01</td> </tr> <tr> <td colspan="2">SHEET 1 OF 7</td> </tr> </table>	PROJECT NO. DADE CO.		DRAWN WRD	DATE 9/19/03	SCALE FULL		DRAWING NO. FG2000_01		SHEET 1 OF 7	
PROJECT NO. DADE CO.											
DRAWN WRD	DATE 9/19/03										
SCALE FULL											
DRAWING NO. FG2000_01											
SHEET 1 OF 7											



**TYPICAL ELEVATION
-HEAVY ALUMINUM MULLION-**

NOTES:

- 1.) HORIZONTAL MULLION (DETAIL 2/5) IS OPTIONAL AT ANY LOCATION IN ANY BAY.
- 2.) D.L.O.= DAYLIGHT OPENING
- 3.) SEE NS-212 & MSD-375 DOOR PRODUCT APPROVALS
- 4.) GLASS SIZE= D.L.O. +5/8

DESIGN PRESSURE = +/- 60 PSF

WATER TEST AT 15 PSF

AIR TEST AT 6.24 PSF

TYPICAL INSTALLATION INTO:
WOOD/CONCRETE/STEEL FRAME
(2500 PSI CONCRETE @ SILL)

BROMLEY • COOK ENGINEERING
Structural Engineering Services
2004 N.E. 49th Street
Ft. Lauderdale, FL 33308
954-772-4624

WILLIAM D. COOK PE
JAN 26 2004
FLA. PE. #43904
FLA. S.I. #2008

Approved as complying with the
Florida Building Code
Date 05/20/04
NOA# 04-0202.01
Miami Dade Product Control
Division
By: *William D. Cook*

**DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL**

PROJECT NO.	DATE	DESCRIPTION
DADE CO	9/19/03	
DRAWN	WRD	
SCALE	3/8"=1'-0"	
DRAWING NO.	FG-2000_01	
SHEET	2 OF 7	

PROJECT APPROVAL DRAWINGS
FG-2000 FRAMING SYSTEM
PROTOCOL TAS-202
FRAMING ELEVATIONS

VISTAWALL
ARCHITECTURAL PRODUCTS
215 WALT SANDERS MEMORIAL BLVD. NEWNAN, GA. 30265 (770) 252-9080

THE VISTAWALL GROUP
BUTLER MANUFACTURING COMPANY

LOCATE AS SHOWN:
1/4" DIA. X 2 1/2" LONG LAG
SCREW TYP. AT WOOD 1 1/2" MIN.
SPACING BETWEEN FASTENERS
1 3/4" MIN. EMBEDMENT

NOTE:
FIRST ANCHOR IS 2" FROM
EDGE OF VERTICAL. EACH
ADDITIONAL FASTENER IS AT
REQUIRED MIN. SPACING

PERIMETER FASTENERS
LOCATE AS SHOWN:
1/4" DIA. X 1 1/2" TEK SCREW
TYPICAL @ STEEL
1 1/2" MIN. SPACING

LOCATE (1) AT MIDPOINT
1/4" DIA. X 1 1/2" TEK SCREW
TYPICAL @ STEEL

LOCATE (1) AT MIDPOINT
1/4" DIA. X 2 1/2" TAPCON TYP.
CONCRETE. 1 3/4" MIN. EMBEDMENT

LOCATE (3) AT MIDPOINT
1/4" DIA. X 2 1/2" LONG LAG SCREW
TYP. AT WOOD 1 1/2" MIN. SPACING
BETWEEN FASTENERS. 1 3/4" MIN.
EMBEDMENT

LOCATE (1) AT MIDPOINT
1/4" DIA. X 1 1/2" TEK SCREW
TYPICAL @ STEEL

LOCATE (1) AT MIDPOINT
1/4" DIA. X 2 1/2" TAPCON TYP.
CONCRETE. 1 3/4" MIN. EMBEDMENT

LOCATE (3) AT MIDPOINT
1/4" DIA. X 2 1/2" LONG LAG SCREW
TYP. AT WOOD 1 1/2" MIN. SPACING
BETWEEN FASTENERS. 1 3/4" MIN.
EMBEDMENT

LOCATE AS SHOWN:
1/4" DIA. X 2 1/2" TAPCON TYP.
@ CONCRETE, 3" MIN. SPACING
WITH 1 3/4" MIN. EMBEDMENT

LOCATE AS SHOWN:
1/4" DIA. X 2 1/2" LONG LAG
SCREW TYP. AT WOOD 1 1/2" MIN.
SPACING BETWEEN FASTENERS
1 3/4" MIN. EMBEDMENT

TYPICAL INSTALLATION INTO
WOOD/CONCRETE/STEEL
FRAME, 2500 PSI
CONCRETE @ SILL

DESIGN PRESSURE = +/- 60 PSF

- NOTES:
- 1.) HORIZONTAL MULLION (DETAIL 2/5) IS OPTIONAL AT ANY LOCATION IN ANY BAY.
 - 2.) D.L.O.= DAYLIGHT OPENING
 - 3.) SEE NS-212 & MSD-375 DOOR PRODUCT APPROVAL
 - 4.) GLASS SIZE=D.L.O. +5/8"

TYPICAL ELEVATION STANDARD ALUMINUM MULLION WITH STEEL -LONG SPAN-

BROMLEY • COOK ENGINEERING
Structural Engineering Services
2004 N.E. 49th Street
Ft. Lauderdale, FL 33308
954-772-1524

Approved as complying with the
Florida Building Code
Date 05/20/04
NOA# 04-0202-01
Miami Dade Product Control
Division
By William D. Cook

W.D. Cook
JAN 26 2004
WILLIAM D. COOK P.E.
FLA. P.E. #43904
F.A. S.I. #2008

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PROJECT	PROJECT NO.	DATE	DESCRIPTION
DADE CO			
DADE CO		9/19/03	
SCALE	3/8"=1'-0"		
DRAWING NO.	FG-2000_01		
SHEET	3 OF 7		

PRODUCT APPROVAL DRAWINGS
FG-2000 FRAMING SYSTEM
PROTOCOL TAS-202
FRAMING
ELEVATIONS

VISTAWALL
ARCHITECTURAL PRODUCTS
214 WALT SANDERS MEMORIAL BLVD. NEWNAN, GA. 30265 (770) 252-3090

THE VISTAWALL GROUP
BUTLER MANUFACTURING COMPANY

MANUAL COMP	REV	BY	DATE	DESCRIPTION

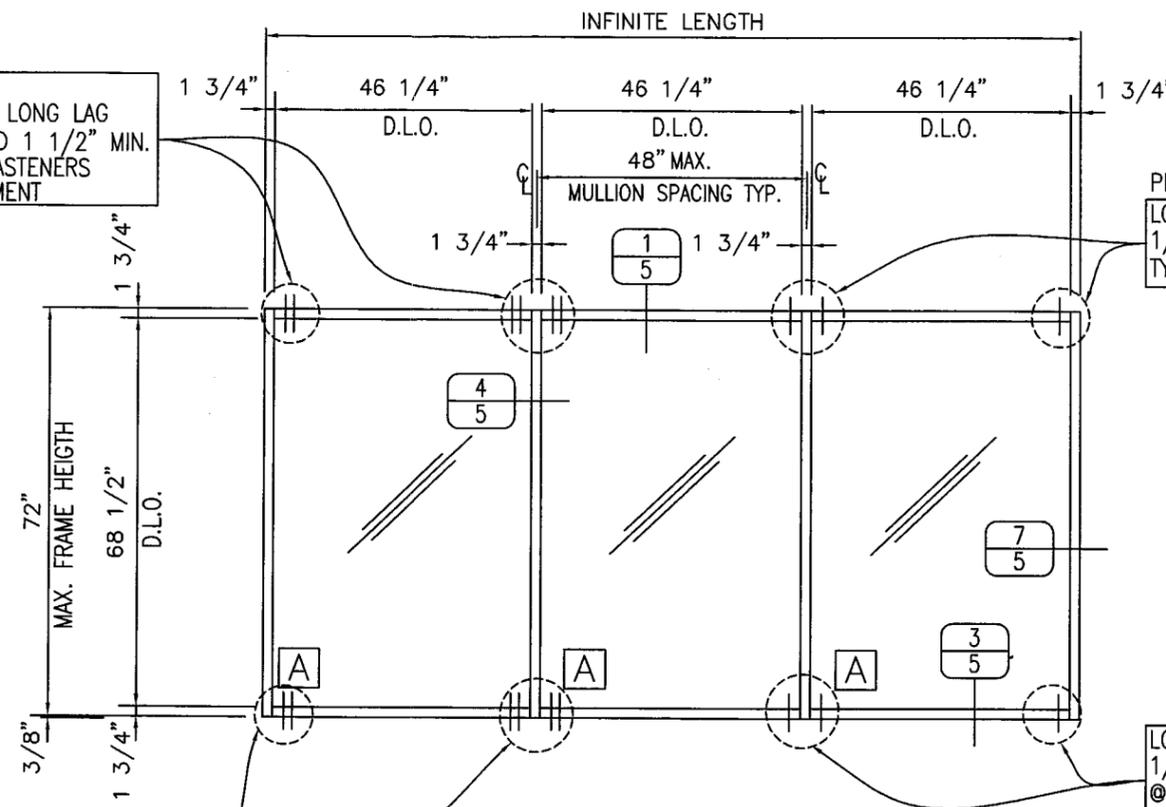
LOCATE AS SHOWN:
1/4" DIA. X 2 1/2" LONG LAG
SCREW TYP. AT WOOD 1 1/2" MIN.
SPACING BETWEEN FASTENERS
1 3/4" MIN. EMBEDMENT

NOTE:
FIRST ANCHOR IS 2" FROM
EDGE OF VERTICAL. EACH
ADDITIONAL FASTENER IS AT
REQUIRED MIN. SPACING

PERIMETER FASTENERS
LOCATE AS SHOWN:
1/4" DIA. X 1 1/2" TEK SCREW
TYPICAL @ STEEL

LOCATE AS SHOWN:
1/4" DIA. X 2 1/2" LONG LAG
SCREW TYP. AT WOOD 1 1/2" MIN.
SPACING BETWEEN FASTENERS
1 3/4" MIN. EMBEDMENT

LOCATE AS SHOWN:
1/4" DIA. X 2 1/2" TAPCON TYP.
@ CONCRETE, 3" MIN. SPACING
WITH 1 3/4" MIN. EMBEDMENT



**TYPICAL ELEVATION
LIGHT ALUMINUM MULLION-SHORT SPAN-**

- NOTES:
- 1.) HORIZONTAL MULLION (DETAIL 2/5) IS OPTIONAL AT ANY LOCATION IN ANY BAY.
 - 2.) D.L.O.= DAYLIGHT OPENING
 - 3.) SEE NS-212 & MSD-375 DOOR PRODUCT APPROVALS
 - 4.) GLASS SIZE= D.L.O. +5/8"

DESIGN PRESSURE = +/- 60 PSF

TYPICAL INSTALLATION INTO:
WOOD/CONCRETE/STEEL FRAME
(2500 PSI CONCRETE @ SILL)

BROMLEY • COOK ENGINEERING
Structural Engineering Services
2004 N.E. 49th Street
Ft. Lauderdale, FL 33308
954-772-4624

Approved as complying with the
Florida Building Code
Date 05/20/04
NOA# 04-0202.01
Miami Dade Product Control
Division
By *[Signature]*

[Signature]
JAN 26 2004
WILLIAM D. COOK P.E.
FLA. P.E. #43904
FIA. S.I. #2008

**DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL**

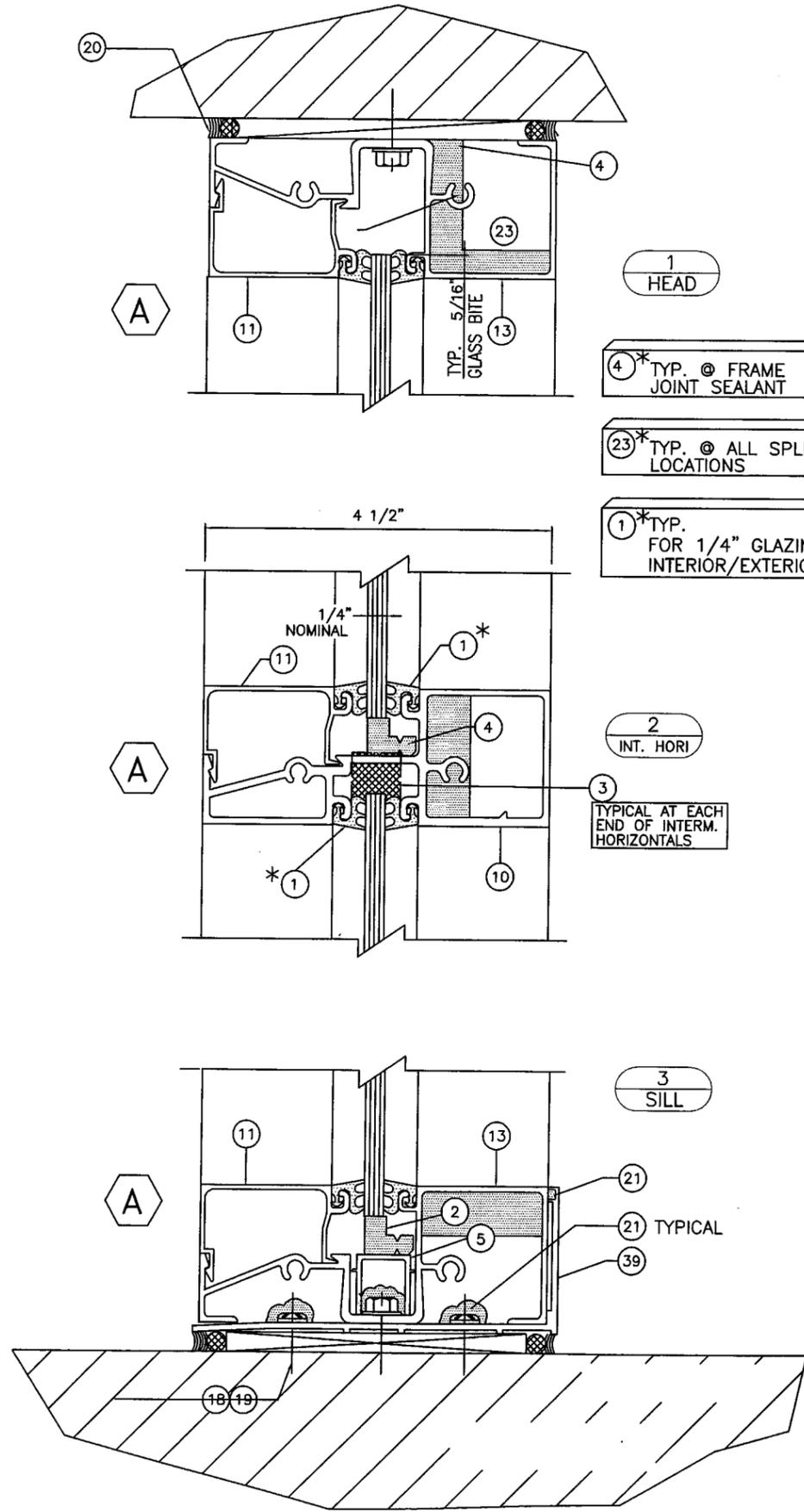
PROJECT	DESCRIPTION
PROJECT NO.	DADE CO
DRAWN	WRD
DATE	9/19/03
SCALE	3/8" = 1'-0"
DRAWING NO.	FG-2000_01
SHEET	4 OF 7

MANUAL COMP

VISTAWALL
ARCHITECTURAL PRODUCTS
214 WALT SANDERS MEMORIAL BLVD. NEWNAN, GA. 30065 (770) 252-3090

THE VISTAWALL GROUP
BUTLER MANUFACTURING COMPANY

PRODUCT APPROVAL DRAWINGS
FG-2000 FRAMING SYSTEM
PROTOCOL TAS-202
FRAMING
ELEVATIONS



1
HEAD

4* TYP. @ FRAME JOINT SEALANT

23* TYP. @ ALL SPLINE LOCATIONS

1* TYP. FOR 1/4\" GLAZING INTERIOR/EXTERIOR

2
INT. HORI

3
TYPICAL AT EACH END OF INTERM. HORIZONTALS

3
SILL

21 TYPICAL

GLASS MARK SYMBOL	GLASS TYPE	MANUFACTURER	MAXIMUM D.L.O. SIZE	MAXIMUM SQUARE FEET
A	1/4\" TEMPERED GLASS	VARIES	46.25 X 92.5	29.7

OPTIONS AND LIMITATIONS					
DESIGN PRESSURE P.S.F.	INTERM VERTICAL MULLION	WALL JAMB MULLION	MAX. MULLION LENGTH	MAX. SPAN CL TO CL	QUALIFIED GLASS TYPE
+60/-60	FG-2228 W/O STEEL	FG-2230 W/O STEEL	96\"	48\"	A
+60/-60	FG-2101 W/RS-1 STL.	FG-2101 W/O STEEL	120\"	48\"	A
+60/-60	FG-2100 W/O STEEL	FG-2100 W/O STEEL	72\"	48\"	A

PROJECT	DATE	BY	DESCRIPTION

VISTAWALL
ARCHITECTURAL PRODUCTS
214 WALT SANDERS MEMORIAL BLVD., NEWNAN, GA. 30265 (770) 252-3090

THE VISTAWALL GROUP
BUTLER MANUFACTURING COMPANY

PRODUCT APPROVAL DRAWINGS
FG-2000 SHUTTERED SYSTEM

PROJECT NO. DADE CO

BROMLEY • COOK ENGINEERING
Structural Engineering Services
2004 N.E. 49th Street
Ft. Lauderdale, FL 33308
954-772-4624

WILLIAM D. COOK PE
FLA. PE. #43904
FLA. S.I. #2008

JAN 26 2004

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Date 05/20/04
NOA# 04-0202-01
Miami Dade Product Control
Division
By *[Signature]*

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

DRAWN	DATE
WRD	9/19/03
SCALE	6\" = 1'-0\"
DRAWING NO.	FG-2000_01
SHEET	7 OF 7

FRAMING DETAILS