



**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.buldingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

**Coral Industries, Inc.
1010 19th Avenue (PO Box 40228)
Tuscaloosa, AL 35404**

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 FL500 Aluminum Window Wall System – L.M.I.

APPROVAL DOCUMENT: Drawing No. **FL500_03**, titled "Product Approval Drawings - FL500 Window Wall System – Protocols PA201, 202, 203", sheets 1 through 11 of 11, dated 8/15/07, prepared by manufacturer, signed and sealed by Lewis A. Waldrop, 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 pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



**NOA No. 07-0529.01
Expiration Date: October 04, 2012
Approval Date: October 04, 2007
Page 1**

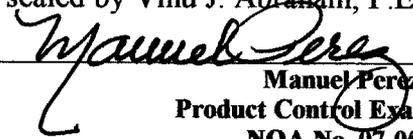
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **FL500_03**, Sheets 1 through 11 of 11, titled "Product Approval Drawings – FL500 Window Wall System – Protocols PA 201, 202, 203", dated 8/15/07, prepared by manufacturer, signed and sealed by Lewis A. Waldrop, 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 per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of FL500 aluminum window wall system, **specimens #1, #2 & #3**, 120" span w/steel reinforcement, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0402-1105-06**, dated 03/09/07, signed and sealed by Vinu J. Abraham, P.E.
2. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of FL500 aluminum window wall system, **specimen #4**, 89" span w/o reinforcement, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0402-1105-06**, dated 03/09/07, 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) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of FL500 aluminum window wall system, **specimen #6**, 120" span w heavy alum. mullion, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0402-1105-06**, dated 03/09/07, signed and sealed by Vinu J. Abraham, P.E.
4. 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) Large Missile Impact Test per FBC, TAS 201-94
4) Cyclic Wind Pressure Loading per FBC, TAS 203-94
5) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of series 281 narrow stile aluminum storefront door installed in FL500 framing system, **specimens #1, #2 & #3**, 36" x 84" pair of doors, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-G402-0304-07**, dated 05/02/07, signed and sealed by Vinu J. Abraham, P.E.
(For reference only)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 07-0529.01

Expiration Date: October 04, 2012
Approval Date: October 04, 2007

Coral Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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) Large Missile Impact Test per FBC, TAS 201-94
4) Cyclic Wind Pressure Loading per FBC, TAS 203-94
5) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of series 381 medium stile aluminum storefront door installed in FL500 framing system, **specimens E1, E2 & E3**, 42" x 84" pair of doors, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-G402-0305-07**, dated 05/02/07, signed and sealed by Vinu J. Abraham, P.E.
(For reference only)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by Lewis A. Waldrop, P.E., Consulting Engineer, dated 4/10/07, signed and sealed by Lewis A. Waldrop, P.E.
Complies with ASTM E1300-02

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **03-0415.13** issued to Solutia Inc. for their "**Vanceva Composites used for lamination of glass**" dated 12/11/03, expiring on 12/11/08.
2. Notice of Acceptance No. **03-0421.01** issued to Solutia Inc. for their "**Saflex HP a polyvinyl butryal interlayer for lamination of glass**" dated 05/22/03, expiring on 04/14/08.
3. Notice of Acceptance No. **03-1117.05** issued to Surface Specialties Inc. for their "**Uvekool, a Laminate Glass Component**" dated 01/29/04, expiring on 02/08/09.

F. STATEMENTS

1. Statement letter of conformance, dated May 14, 2007, signed and sealed by Lewis A. Waldrop, P.E.
2. Statement letter of no financial interest, dated May 3, 2007, signed and sealed by Lewis A. Waldrop, P.E.
3. Laboratory compliance letters for Test Report No. **HTL- 0402-1105-06**, for Specimen #E6, for Specimen #E4, and for Specimens #E1, E2 & E3, all issued by Hurricane Test Laboratory, Inc., dated March 9, 2007, signed and sealed by Vinu J. Abraham, P.E.

G. OTHER

1. None.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 07-0529.01
Expiration Date: October 04, 2012
Approval Date: October 04, 2007

PRODUCT APPROVAL SUBMITTAL FL500 FRAMING SYSTEM WITH MULTIPLE INFILLS FOR USE IN HURRICANE ZONES REQUIRING LARGE MISSILE IMPACT PROTECTION

INDEX TO DRAWINGS

| | |
|----------|--|
| SHEET 1 | INDEX TO DRAWINGS AND NOTES |
| SHEET 2 | TYPICAL ELEVATION LIGHT ALUM. MULLION WITH STEEL—LONG SPAN |
| SHEET 3 | TYPICAL ELEVATION LIGHT ALUM. MULLION WITHOUT STEEL—SHORT SPAN |
| SHEET 4 | TYPICAL HEAVY ALUM. MULLION WITHOUT STEEL—LONG SPAN |
| SHEET 5 | TYPICAL ELEVATIONS FOR DOORS—LONG SPAN |
| SHEET 6 | TYPICAL ELEVATIONS FOR DOORS—SHORT SPAN |
| SHEET 7 | GLAZING SCHEDULE |
| SHEET 8 | FRAMING DETAILS |
| SHEET 9 | FRAMING DETAILS |
| SHEET 10 | FRAMING DETAILS |
| SHEET 11 | BILL OF MATERIALS FOR FRAMING AND ACCESSORIES |

ABBREVIATIONS:
 D.L.O. = DAY LIGHT OPENING
 C.O.C. = CONCEALED OVERHEAD CLOSER

Lewis A. Waldrop, P.E.
 P. O. Box 620
 Alto, GA 30510
 706-778-3784

| | |
|---|---|
| <p>Lewis A. Waldrop, P.E. FLA. P.E. #21959</p> <p style="text-align: center;"><i>Lewis A. Waldrop</i> 8/30/07</p> | <p>Approved as complying with the Florida Building Code Date <u>OCT. 4, 2007</u> NOA# <u>07-0529.01</u> Miami Dade Product Control Division By <i>Maurice Perez</i></p> |
| <p>DRAWINGS FOR DADE COUNTY PRODUCT APPROVAL</p> | |

| | | | | |
|--|---|-----------------|----------------|-----------------|
| <p>PRODUCT APPROVAL DRAWINGS FL500 WINDOW WALL SYSTEM PROTOCOLS: PA201,202,203</p> | <p>INDEX TO DRAWINGS AND NOTES</p> | | | |
| <p>DATE: 8/15/2007</p> <table border="1" style="margin: auto;"> <tr> <td style="font-size: small;">DRAWN PCH</td> <td style="font-size: small;">CHECKED JDW</td> <td style="font-size: small;">APPROVED JDW</td> </tr> </table> <p>PROJECT NO. _____</p> <p>DRAWING NO. FL500_03</p> <p>SHEET 1 OF 11</p> | | DRAWN PCH | CHECKED JDW | APPROVED JDW |
| DRAWN PCH | CHECKED JDW | APPROVED JDW | | |
|  <p style="font-size: x-small;"> Coral Architectural Products 3010 RICE WINE ROAD, TUSCALOOSA, AL 35406 PHONE: 800-773-7737 FAX: 800-443-6261 </p> | | | | |

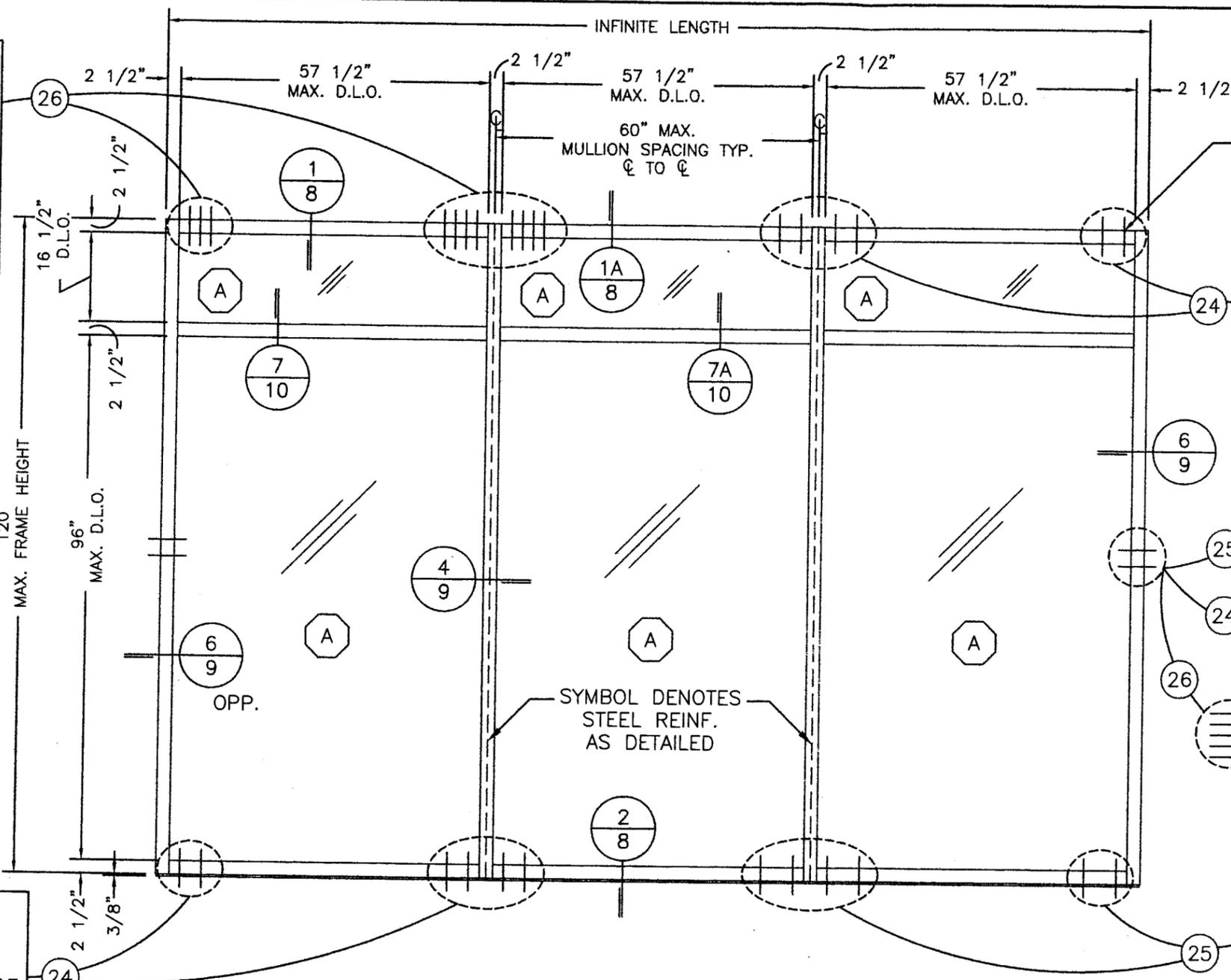
S:\Assemblies And Fabrications\C.A.PIMOCK-UPS\PAIFL5002 TYPICAL ELEVATION LIGHT ALUM. MULLION WITH STEEL-LONG SPAN.dwg, 8/15/2007 4:00:47 PM, phowell, Adi

PERIMETER FASTENERS

3/8" x 3-1/2" LONG LAG BOLTS TYP. @ WOOD WITH 3" MIN. EMBEDMENT. LOCATE FIRST ANCHOR 2" FROM EDGE OF MULLION AND ADDITIONAL FASTENERS @ 2" MIN. SPACING BETWEEN ANCHORS.

PERIMETER FASTENERS

3/8"-16 x 1-1/2" HWH TYPE "F" TCS TYP. @ STEEL. LOCATE FIRST ANCHOR 2" FROM EDGE OF MULLION AND ADDITIONAL FASTENERS @ 2" MIN SPACING BETWEEN ANCHORS



FASTENER SYMBOL
EACH VERTICAL OR HORIZONTAL LINE AS SHOWN REPRESENTS (1) ONE FASTENER.

PERIMETER FASTENERS
3/8"-16 x 1-1/2" HWH TYPE "F" TCS TYP. @ STEEL. LOCATE FIRST ANCHOR 2" FROM EDGE OF MULLION AND ADDITIONAL FASTENERS @ 2" MIN. SPACING BETWEEN ANCHORS.

LOCATE (1) EA. 3" ABOVE AND BELOW MIDPOINT:
3/8" X 2-1/2" LONG LTD TYP. @ CONCRETE WITH 2" MIN. EMBEDMENT.

LOCATE (1) EA. 1-1/2" ABOVE AND BELOW MIDPOINT:
3/8"-16 x 1-1/2" HWH TYPE "F" TCS TYP. @ STEEL 2" MIN. SPACING BETWEEN ANCHORS

LOCATE (1) EA. @ MIDPOINT AND (2) EA. ABOVE AND BELOW MIDPOINT:
3/8" X 3-1/2" LONG LAG BOLTS TYP. @ WOOD. 3" MIN. EMBEDMENT, 2" MIN SPACING BETWEEN ANCHORS.

3/8" x 2-1/2" LONG LTD TYP. @ CONCRETE WITH 2" MIN. EMBEDMENT. LOCATE FIRST ANCHOR 2" FROM EDGE OF MULLION AND ADDITIONAL FASTENERS @ 6" MIN. SPACING BETWEEN ANCHORS.

TYPICAL ELEVATION LIGHT ALUM. MULLION WITH STEEL REINFORCEMENT-LONG SPAN-

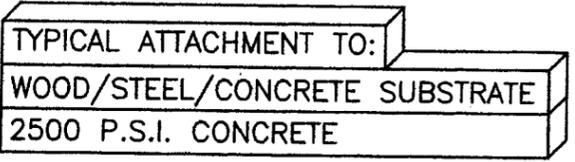
DESIGN PRESSURE = +70/-80 PSF

WATER TEST AT 15 PSF

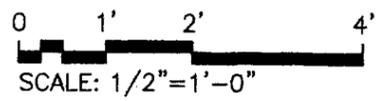
AIR @ 6.24 P.S.F.

NOTES:

- GLASS SIZE = D.L.O. + 1-1/8"
- HORIZONTAL MULLION (DETAIL 7/10 OR 7A/10) IS OPTIONAL IN ANY BAY
- HEAD (DETAIL 1/8 OR 1A/8) IS OPTIONAL IN ANY BAY.



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Lewis A. Waldrop, P.E.
FLA. P.E. #21959

J. Waldrop
8/30/07

Approved as complying with the Florida Building Code
Date OCT. 4, 2007
NOA# 07-0529-01
Miami Dade Product Control Division
By *Manuel Perez*

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
FL500 WINDOW WALL SYSTEM
PROTOCOLS: PA201,202,203

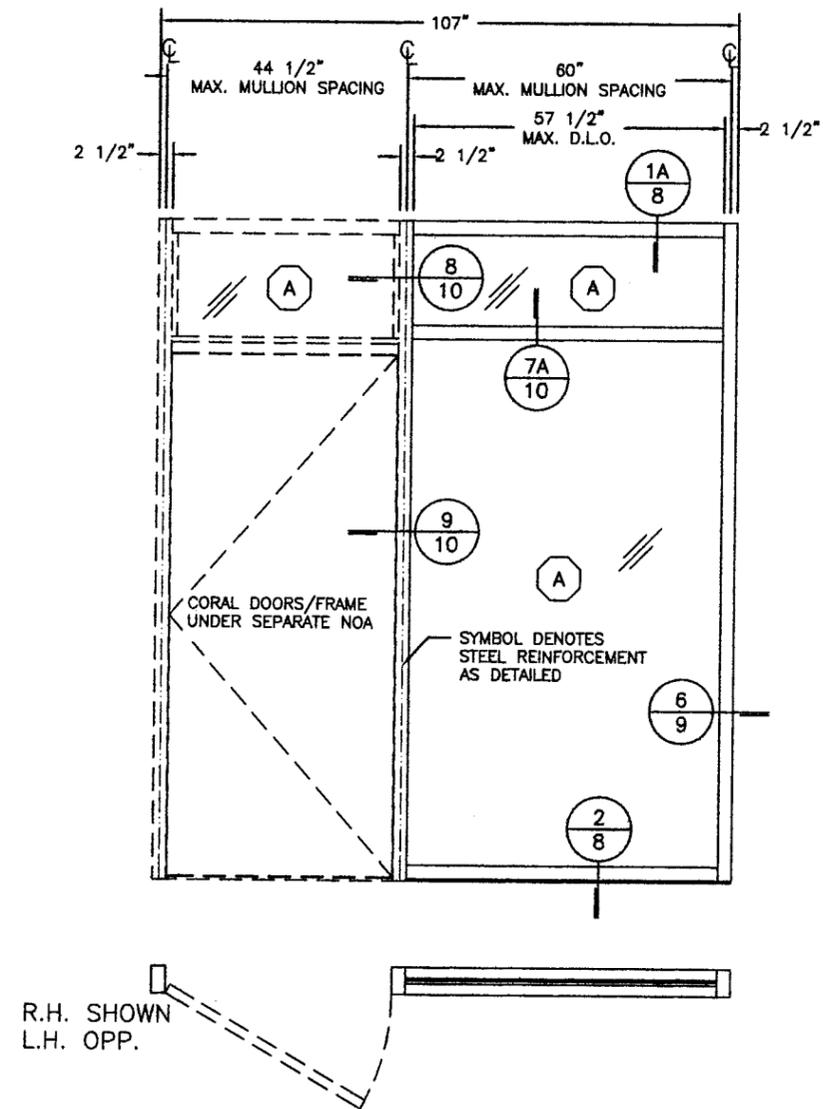
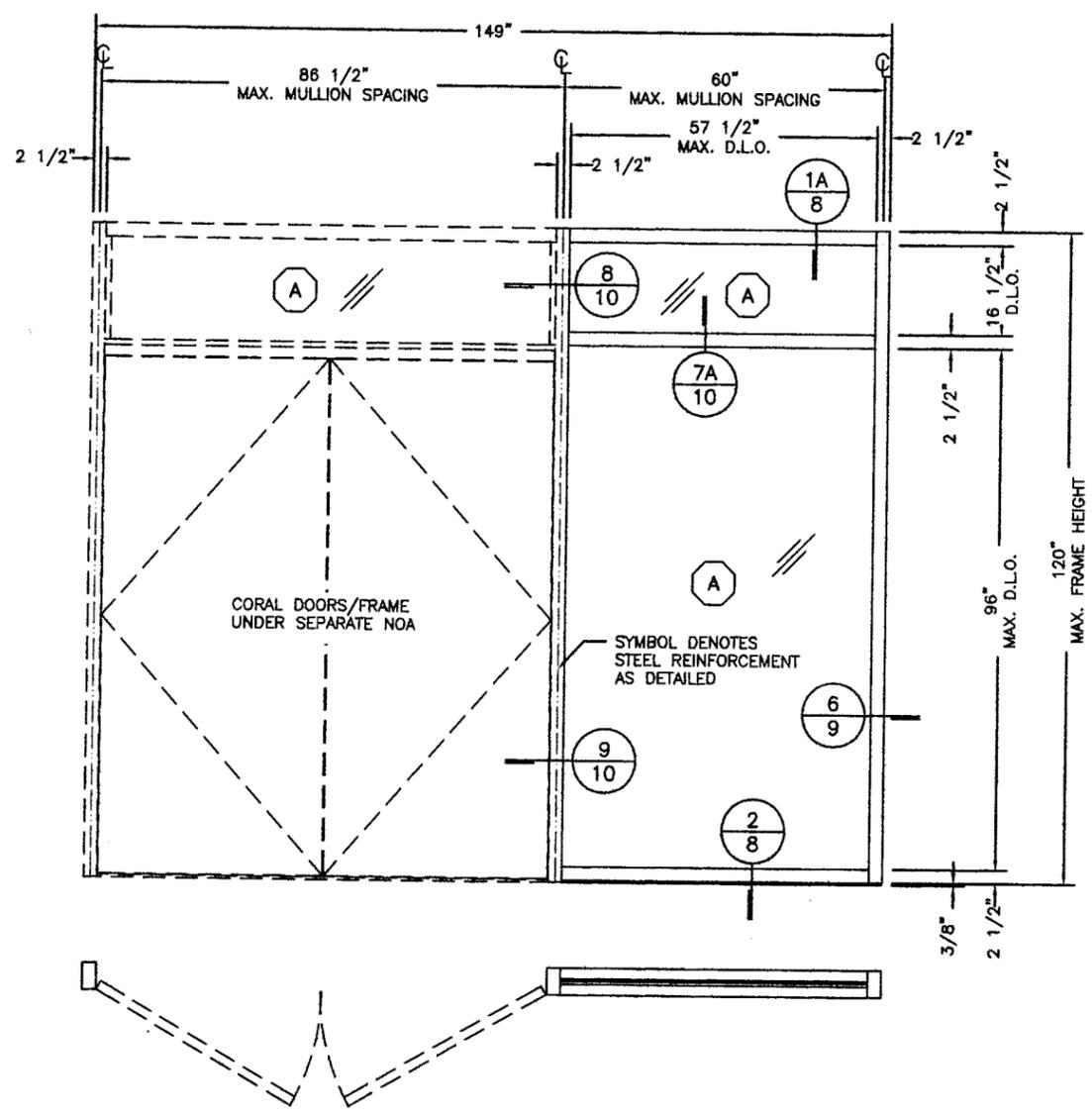
| | | |
|-------------|-----------|----------|
| DATE | 8/15/2007 | |
| DRAWN | CHECKED | APPROVED |
| PCH | JDW | JDW |
| PROJECT NO. | | |
| DRAWING NO. | FL500_03 | |
| SHEET | 2 OF 11 | |

Coral
Architectural Products
3010 RICE MIAMI ROAD, MIAMI, FL 33146
PHONE: 800-772-7737 FAX: 800-443-6261

FRAMING ELEVATIONS

| REV | BY | DATE | DESCRIPTION |
|-----|----|------|-------------|
| | | | |

S:\Assemblies And Fabrications\C.A.P\MOCK-UPS\FPA\FL500\5 TYPICAL ELEVATIONS FOR DOORS-LONG SPAN.dwg, 8/15/2007 4:01:14 PM, phowel, Adobe PDF, Copyright: Cor

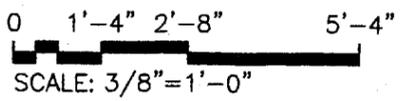


**TYPICAL ELEVATIONS FOR DOORS
- LONG SPAN -**

DESIGN PRESSURE = +70/-80 PSF

- NOTES:**
1. GLASS SIZE = D.L.O. + 1-1/8"
 2. HORIZONTAL MULLION (DETAIL 7/10 OR 7A/10) IS OPTIONAL IN ANY BAY.
 3. DOORS/FRAME ARE SHOWN ON SEPARATE SUBMISSION.
 4. HEAD (DETAIL 1/8 OR 1A/8) IS OPTIONAL IN ANY BAY.

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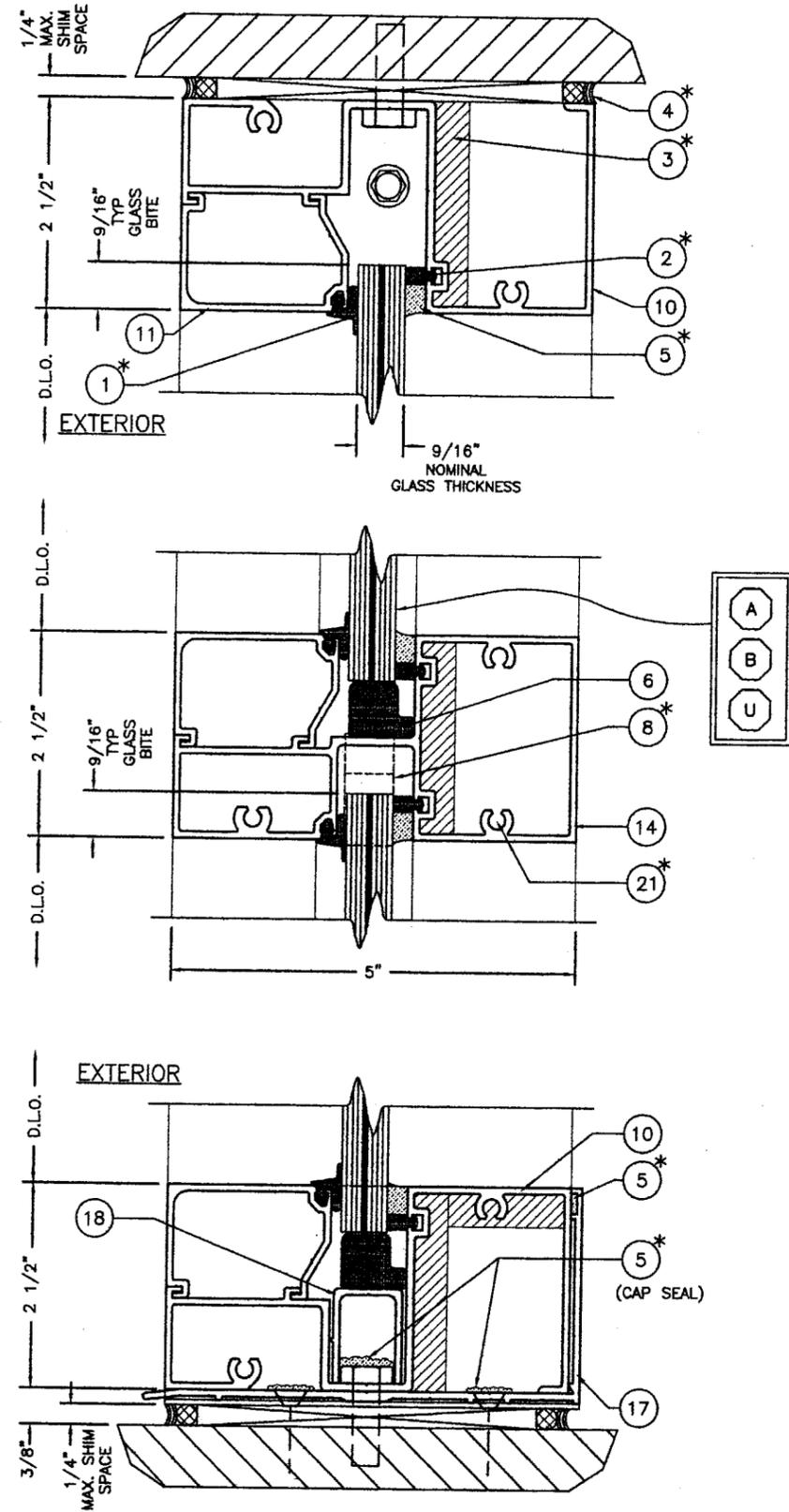
Lewis A. Waldrop, P.E.
FLA. P.E. #21959

Lewis A. Waldrop
8/30/07

Approved as complying with the
Florida Building Code
Date OCT. 4, 2007
NOA# 07-0529.01
Miami Dade Product Control
Division
By *Maura Perez*

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

| | | | | | |
|--|---------|-----------|----|------|-------------|
| Coral Architectural Products 3010 RICE MIKE ROAD, TUSCALOOSA, AL 35606 PHONE: 800-772-7737 FAX: 800-443-0261 | | REV | BY | DATE | DESCRIPTION |
| | | | | | |
| PRODUCT APPROVAL DRAWINGS FL500 WINDOW WALL SYSTEM PROTOCOLS: PA201,202,203 FRAMING ELEVATIONS | | | | | |
| DATE | | 8/15/2007 | | | |
| DRAWN | CHECKED | APPROVED | | | |
| PCH | JDW | JDW | | | |
| PROJECT NO. | | | | | |
| DRAWING NO. | | FL500_03 | | | |
| SHEET | | 5 OF 11 | | | |



GLAZING SCHEDULE

| OPTIONS AND LIMITATIONS | | | | | | | |
|-------------------------|---|-------------------|------------------------|----------------------------------|---------------------|---------|-----------------------|
| DESIGN PRESSURE P.S.F. | INTERMEDIATE VERTICAL MULLION | WALL JAMB MULLION | MAXIMUM MULLION LENGTH | MAXIMUM SPACING ϕ TO ϕ | MAXIMUM GLASS SIZE | | QUALIFIED GLASS TYPES |
| | | | | | D.L.O. WIDTH x HGT. | SQ. FT. | |
| +60/-60 | FL516/FL505 HEAVY DUTY MULLION | FL501 | 120" | 48" | 45-1/2" x 96" | 30.3 | A-B-U |
| +65/-65 | FL504/FL505 | FL501 | 89" | 48" | 45-1/2" x 84" | 26.5 | A-B |
| +70/-80 | FL504/FL505 W/SR504 STEEL REINFORCEMENT | FL501 | 120" | 60" | 57-1/2" x 96" | 38.3 | A |

| GLASS TYPE | DESCRIPTION | MANUFACTURER |
|------------|--|------------------|
| A | 9/16" LAMINATED -1/4" H.S. -.075 VS02 -1/4" H.S. N.O.A. 03-0514.15 | SOLUTIA |
| B | 9/16" LAMINATED -1/4" H.S. -.090 SAFLEX PVB -1/4" H.S. N.O.A. 03-0105.02 | SOLUTIA |
| U | 9/16" LAMINATED -1/4" H.S. -.120 UVEKOL -1/4" H.S. N.O.A. 03-1117.05 | CORAL INDUSTRIES |

TYPICAL GLASS SIZE = DLO + 1-1/8"

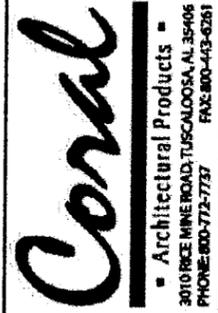
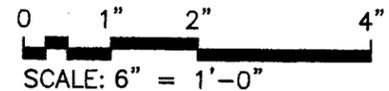
- 1 * TYPICAL EXTERIOR GASKET
- 2 * TYPICAL INTERIOR SPACER GASKET
- 3 * TYPICAL \odot ALL JOINT INTERSECTIONS
- 4 * TYPICAL PERIMETER SEALANT
- 5 * TYPICAL INTERIOR SEALANT
- 8 * TYPICAL \odot EACH END OF INTERM. HORIZ.
- 21 * TYPICAL \odot ALL SPLINES

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Lewis A. Waldrop, P.E.
 FLA. P.E. #21959

Lewis A. Waldrop
 8/30/07

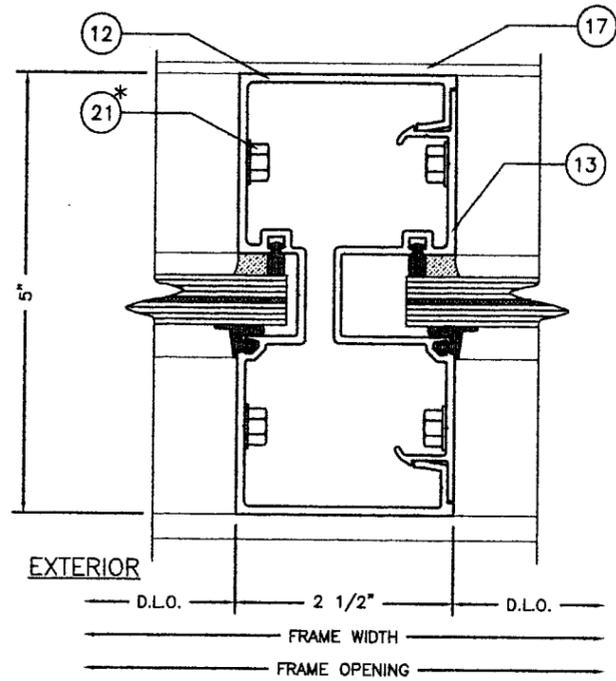
Approved as complying with the Florida Building Code
 Date OCT. 4, 2007
 NOA# 07-0529.01
 Miami Dade Product Control Division
 By *Manuel Perez*



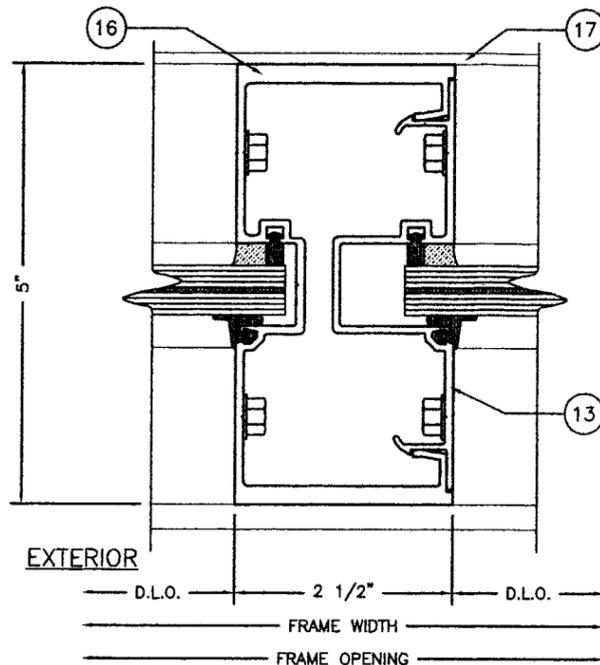
PRODUCT APPROVAL DRAWINGS
 FL500 WINDOW WALL SYSTEM
 PROTOCOLS: PA201,202,203
 GLAZING SCHEDULE

| | | |
|-------------|-----------|----------|
| DATE | 8/15/2007 | |
| DRAWN | CHECKED | APPROVED |
| PCH | JDW | JDW |
| PROJECT NO. | | |
| DRAWING NO. | FL500_03 | |
| SHEET | 7 OF 11 | |

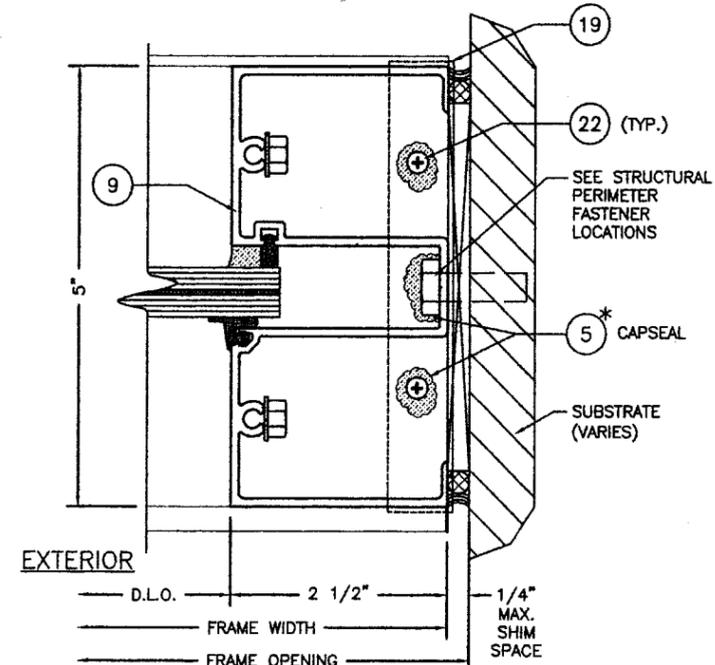
DRAWINGS FOR
 DADE COUNTY
 PRODUCT APPROVAL



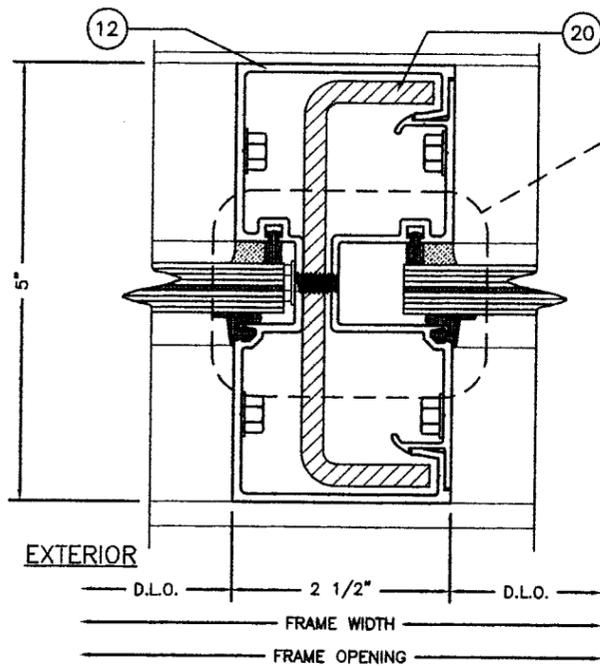
3 - LIGHT INTERM. VERTICAL
1:2



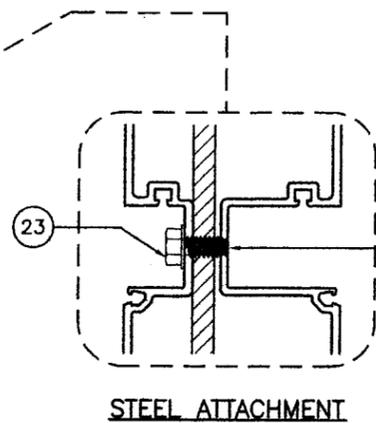
5 - HEAVY VERTICAL MULLION
1:2



6 - WALL JAMB
1:2



4 - LIGHT INTERM. VERTICAL WITH STEEL
1:2



DRILL $\phi 13/64$ " (#7 DRILL) HOLE FOR 1/4" STS FASTENER 1" FROM EACH END OF MULLION AND ATTACH STEEL

NOTE:
IF FASTENER IS FINE THREAD,
DRILL $\phi 7/32$ " (#3 DRILL) HOLE

Lewis A. Waldrop, P.E.
P. O. Box 620
Alto, GA 30510
706-778-3784

- 1 *TYPICAL EXTERIOR GASKET
- 2 *TYPICAL INTERIOR SPACER GASKET
- 3 *TYPICAL @ ALL JOINT INTERSECTIONS
- 4 *TYPICAL PERIMETER SEALANT
- 5 *TYPICAL INTERIOR SEALANT
- 8 *TYPICAL @ EACH END OF INTERM. HORIZ.
- 21 *TYPICAL @ ALL SPLINES

Lewis A. Waldrop, P.E.
FLA. P.E. #21959

Approved as complying with the Florida Building Code
Date OCT. 4, 2007
NOA# 07-0529.01
Miami Dade Product Control Division
By Manuel Perez

Lewis A. Waldrop
8/30/07

DATE 8/15/2007

| | | |
|-----------|-------------|--------------|
| DRAWN PCH | CHECKED JDW | APPROVED JDW |
|-----------|-------------|--------------|

PROJECT NO.

DRAWING NO. FL500_03

SHEET 9 OF 11

DRAWINGS FOR DADE COUNTY PRODUCT APPROVAL

Coral
Architectural Products
3010 RICE MIKE ROAD, TUSCALOOSA, AL 35406
PHONE: 800-772-7737 FAX: 800-443-8281

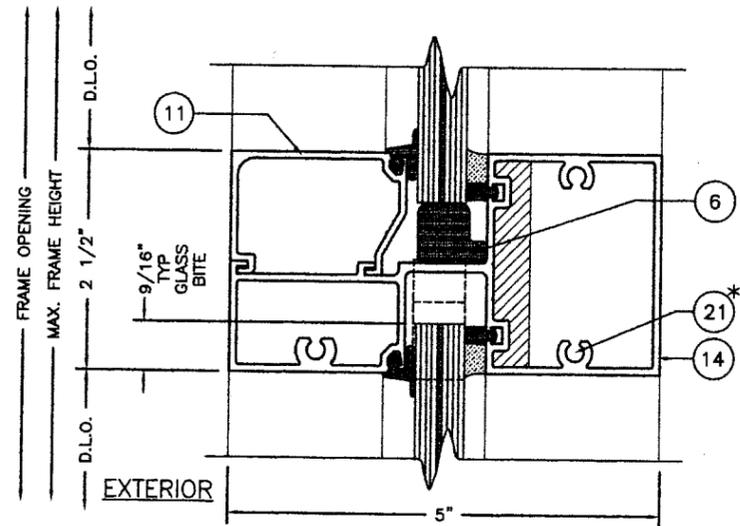
PRODUCT APPROVAL DRAWINGS
FL500 WINDOW WALL SYSTEM
PROTOCOLS: PA201,202,203

FRAMING DETAILS

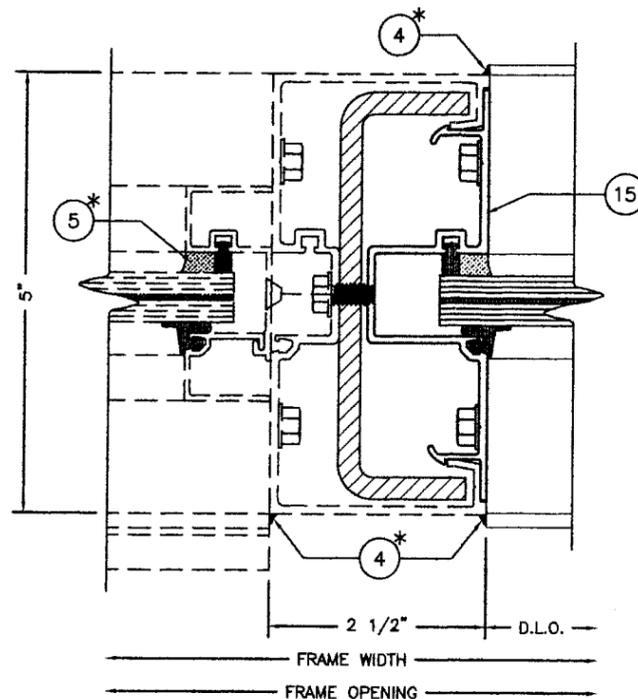
| | |
|-------------|-----------|
| DATE | 8/15/2007 |
| DRAWN | PCH |
| CHECKED | JDW |
| APPROVED | JDW |
| PROJECT NO. | |
| DRAWING NO. | FL500_03 |
| SHEET | 9 OF 11 |

DESCRIPTION

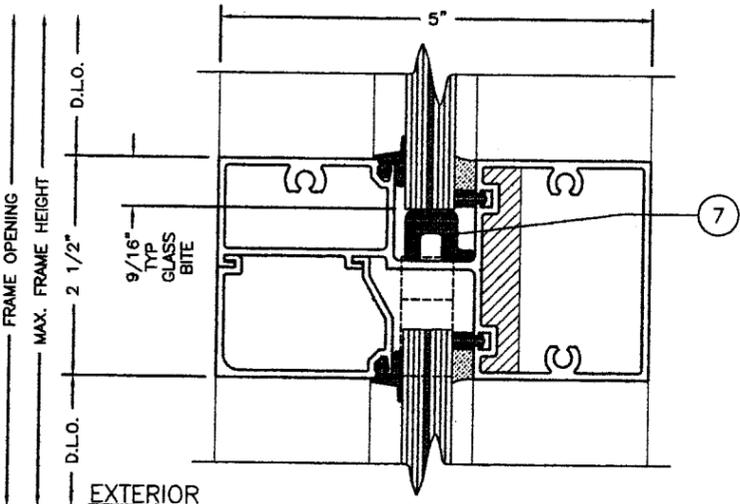
REV. BY DATE



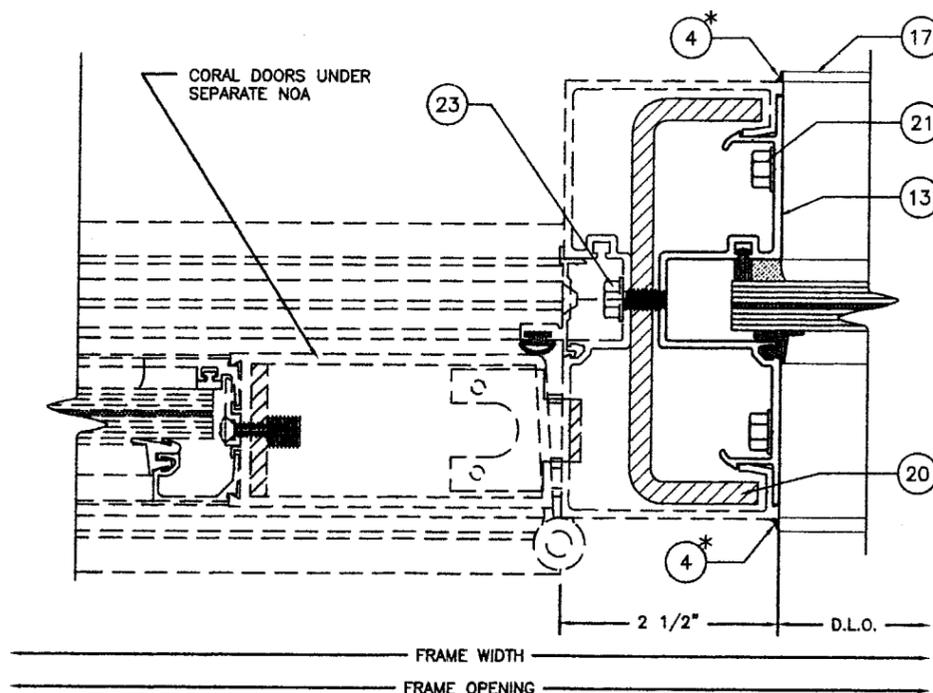
7 - HORIZONTAL MULLION
1:2



8 - INTERM. DOOR JAMB @ TRANSOM
1:2



7A - INVERTED HORIZONTAL MULLION
(USED WITH 1A/8) 1:2



9 - INTERM. DOOR JAMB
1:2

- 1 * TYPICAL EXTERIOR GASKET
- 2 * TYPICAL INTERIOR SPACER GASKET
- 3 * TYPICAL @ ALL JOINT INTERSECTIONS
- 4 * TYPICAL PERIMETER SEALANT
- 5 * TYPICAL INTERIOR SEALANT
- 8 * TYPICAL @ EACH END OF INTERM. HORIZ.
- 21 * TYPICAL @ ALL SPLINES

Lewis A. Waldrop, P.E.
FLA. P.E. #21959

Lewis A. Waldrop
8/30/07

Approved as complying with the
Florida Building Code
Date OCT 4, 2007
NOA# 07-0529.07
Miami Dade Product Control
Division
By *Manuel Perez*

Lewis A. Waldrop, P.E.
P. O. Box 620
Alto, GA 30510
706-778-3784

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

| REV | BY | DATE | DESCRIPTION |
|-----|----|------|-------------|
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Coral
Architectural Products
3010 RICE MINE ROAD, TUSCALOOSA, AL 35406
PHONE: 800-778-7787

PRODUCT APPROVAL DRAWINGS
FL500 WINDOW WALL SYSTEM
PROTOCOLS: PA201,202,203
FRAMING DETAILS

| | | |
|-------------|-----------|----------|
| DATE | 8/15/2007 | |
| DRAWN | CHECKED | APPROVED |
| PCH | JDW | JDW |
| PROJECT NO. | | |
| DRAWING NO. | FL500_03 | |
| SHEET | 10 OF 11 | |

S:\Assemblies And Fabrications\C.A.PIMOCK-UPS\PAFL50011 BILL OF MATERIALS FOR FRAMING AND ACCESSORIES.dwg, 8/15/2007 4:01:52 PM, phowel, Adcbe PDF, Copy

BILL OF MATERIALS

| ITEM NO. | P/N | DESCRIPTION | DIMENSIONS | MATERIAL | MANUFACTURER | NOTES |
|----------|----------|--|------------------------------------|--------------------------|------------------------|--|
| 1 | NG1 | EXTERIOR GLAZING GASKET | 0.120 SPACE | EPDM | VARIES | |
| 2 | NG14 | INTERIOR SPACER GASKET | 0.250 X 0.188 | EPDM | VARIES | |
| 3 | SM5601 | JOINT SEALANT TAPE | 0.500 X 0.125 X VARIES | BUTYL | SCHNEE-MOOREHEAD | |
| 4 | 795 | SILICONE- PERIMETER SEALANT | FILL SPACE | SILICONE | DOW CORNING | USED AT PERIMETER |
| 5 | 995 | SILICONE -GLASS TO METAL | FILL SPACE | SILICONE | DOW CORNING | GLASS TO METAL AND INTERNAL |
| 6 | SB13 | SETTING BLOCK @ SILL & HORIZONTAL | 0.800 X 0.688 X 4.000 | EPDM | VARIES | 2 PER LITE |
| 7 | SB20 | SETTING BLOCK @ INVERTED HORIZONTAL | 0.800 X 0.548 X 4.000 | EPDM | VARIES | 2 PER LITE |
| 8 | WD200-1 | WATER DIVERTER | 1.358 X 0.594 X 0.050 | INJECTION MOLDED PLASTIC | CORAL INDUSTRIES, INC. | AT EACH END OF INTERM. HORIZ. |
| 9 | FL501 | HEAD OR WALL JAMB | 2.500 X 5.000 X 0.094 | 6063-T6 ALUMINUM | CORAL INDUSTRIES, INC. | |
| 10 | FL502 | SILL OR HEAD | 2.500 X 4.980 X 0.094 | 6063-T6 ALUMINUM | CORAL INDUSTRIES, INC. | |
| 11 | FL503 | GLASS STOP | 1.250 X 2.021 X 0.078 | 6063-T6 ALUMINUM | CORAL INDUSTRIES, INC. | |
| 12 | FL504 | STD. VERTICAL MULLION/DOOR JAMB | 2.500 X 5.000 X 0.094 | 6063-T6 ALUMINUM | CORAL INDUSTRIES, INC. | |
| 13 | FL505 | OPEN BACK MULLION FILLER | 0.681 X 4.670 X 0.080 | 6063-T6 ALUMINUM | CORAL INDUSTRIES, INC. | |
| 14 | FL506 | INTERMEDIATE HORIZONTAL | 2.500 X 4.980 X 0.094 | 6063-T6 ALUMINUM | CORAL INDUSTRIES, INC. | |
| 15 | FL515 | FLAT FILLER AT DOOR JAMB | 0.681 X 4.670 X 0.080 | 6063-T6 ALUMINUM | CORAL INDUSTRIES, INC. | RUNS FULL LENGTH OF DOOR JAMB AT WALL |
| 16 | FL516 | HEAVY VERTICAL MULLION | 2.500 X 5.000 X 0.213 | 6063-T6 ALUMINUM | CORAL INDUSTRIES, INC. | |
| 17 | FL519 | SUBSILL FLASHING | 2.620 X 5.402 X 0.084 | 6063-T6 ALUMINUM | CORAL INDUSTRIES, INC. | |
| 18 | CS500-1 | SETTING CHAIR | 1.156 X 0.844 X 0.078 | 6063-T6 ALUMINUM | CORAL INDUSTRIES, INC. | |
| 19 | ED519-1 | SILL FLASHING END DAM | 2.500 X 1.000 X 0.062 | 6063-T6 ALUMINUM | CORAL INDUSTRIES, INC. | |
| 20 | SR504 | STEEL REINFORCEMENT | 4.562 X 1.250 X 0.250 | A36 STEEL | VARIES | STEEL REINFORCEMENT FOR (12) |
| 21 | AS16 | FASTENER | #14 X 1 HHSTS | STEEL | VARIES | TYP. SPLINE SCREW VERTICAL/HORIZONTAL JOINTS |
| 22 | AS31 | FASTENER | #6 X 3/8" PPH | STEEL | VARIES | ATTACH (19) TO (17) |
| 23 | AS38 | FASTENER | #10-24 X 3/8 HH | STEEL | VARIES | ATTACH (20) TO (12) |
| 24 | FASTENER | FOR ATTACHING HEAD/SILL & JAMB TO STL. SUBSTRATE | 3/8" -16 X 1-1/2" HWH TYPE "F" TCS | STEEL | VARIES | 2" MIN. SPACING |
| 25 | FASTENER | FOR ATTACHING SILL & JAMB TO CONCRETE SUBSTRATE | 3/8" X 2-1/2" LONG LTD | STEEL | VARIES | |
| 26 | FASTENER | FOR ATTACHING HEAD/SILL & JAMB TO WOOD SUBSTRATE | 3/8" X 3-1/2" LONG LAG BOLTS | STEEL | VARIES | |
| 27 | FASTENER | FOR ANCHORING (23) TO WOOD SUBSTRATE | #12 X 2" FHP WOOD SCREW | STEEL | VARIES | 3" MIN. EMBEDMENT |
| 28 | FASTENER | FOR ANCHORING (23) TO STEEL SUBSTRATE | #12 X 1-1/2" FHP TEK | STEEL | VARIES | |
| 29 | FASTENER | FOR ANCHORING (23) TO CONCRETE SUBSTRATE | #12 X 2" FHP TAPCON | STEEL | VARIES | 2" MIN. EMBEDMENT |



PRODUCT APPROVAL DRAWINGS
FL500 WINDOW WALL SYSTEM
PROTOCOLS: PA201,202,203
BILL OF MATERIALS

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Lewis A. Waldrop, P.E.
FLA. P.E. #21959

Lewis A. Waldrop
8/30/07

Approved as complying with the Florida Building Code
 Date: Oct. 4, 2007
 NOA# 07-0529.01
 Miami Dade Product Control
 Division
 By: Manuel Perez

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

| | | |
|-------------|-----------|----------|
| DATE | 8/15/2007 | |
| DRAWN | CHECKED | APPROVED |
| PCH | JDW | JDW |
| PROJECT NO. | | |
| DRAWING NO. | FL500_03 | |
| SHEET | 11 OF 11 | |