

MIAMI-DADE COUNTY PERFORMANCE TEST REPORT

Report No.: B1031.01-401-18

Rendered to:

CORAL ARCHITECTURAL PRODUCTS
Tuscaloosa, Alabama

PRODUCT TYPE: Aluminum Storefront
SERIES/MODEL: FL550

This report contains in its entirety:

Cover Page: 1 page
Report Body: 10 pages
Sketches: 2 pages
Photographs: 4 pages
Drawings: 7 pages

Test Dates: 07/21/11
Through: 07/27/11
Report Date: 01/03/12
Test Record Retention End Date: 07/27/21
Miami-Dade County Notification No.: ATIFL 11003

1.0 Report Issued To: Coral Architectural Products
3010 Rice Mine Road
Tuscaloosa, Alabama 35406

2.0 Test Laboratory: Architectural Testing, Inc.
2250 Massaro Boulevard
Tampa, Florida 33619
813-628-4300

3.0 Project Summary:

3.1 Product Type: Aluminum Storefront

3.2 Series/Model: FL550

3.3 Compliance Statement: Results obtained are tested values and were secured by using the designated test methods. The samples were tested per Florida Building Code, Test Protocols for High Velocity Hurricane Zone, Protocols TAS 201-94, TAS 202-94 and TAS 203-94. The three samples tested met the performance requirements set forth in the protocols for a ± 70.0 psf *Design Pressure* rating.

3.4 Miami-Dade County Notification No.: ATIFL 11003

3.5 Test Dates: 07/21/2011 - 07/27/2011

3.6 Test Location: Architectural Testing, Inc. test facility in Tampa, Florida.

3.7 Test Sample Source: The test specimens were provided by the client. Representative samples of the test specimens will be retained by Architectural Testing for a minimum of ten years from the test completion date.

3.8 Drawing Reference: The test specimen drawings have been reviewed by Architectural Testing and are representative of the test specimens reported herein. Test specimen construction was verified by Architectural Testing per the drawings located in Appendix C. Any deviations are documented herein or on the drawings.

3.9 List of Official Observers:

<u>Name</u>	<u>Company</u>
William Smith, Sr.	Coral Architectural Products
Don Beltz	Architectural Testing, Inc.
Jack Hook	Architectural Testing, Inc.
Shawn G. Collins, P.E.	Architectural Testing, Inc.
John C. McClane	Architectural Testing, Inc.

4.0 Test Specification(s):

TAS 201-94, *Impact Test Procedures.*

TAS 202-94, *Criteria for Testing Impact and Non Impact Resistant Building Envelope Components Using Uniform Static Air Pressure Loading.*

TAS 203-94, *Criteria for Testing Products Subject to Cyclic Wind Pressure Loading.*

5.0 Test Specimen Description:

5.1 Product Sizes:

Overall Area: 150.0 ft ²	Width (inches)	Height (inches)
Overall size	180	120

5.2 Frame Construction:

Frame Member	Material	Description
Head	Extruded aluminum	Reference Drawing No. FL550_04, Sheet No. 7
Sill	Extruded aluminum	Reference Drawing No. FL550_04, Sheet No. 7
Vertical mullion	Extruded aluminum	Reference Drawing No. FL550_04, Sheet No. 7
Horizontal mullion	Extruded aluminum	Reference Drawing No. FL550_04, Sheet No. 7
Jambs	Extruded aluminum	Reference Drawing No. FL550_04, Sheet No. 7

	Joinery Type	Detail
All corners	Mechanical	The corners were butt joints, sealed with 1/2" x 1/8" butyl sealant tape on the interior side only, and secured to adjoining members with two hex washer head 1/4-20 x 1" machine screws.
Horizontal mullions	Mechanical	The horizontal members were butt joints, sealed with 1/2" x 1/8" butyl sealant tape on the interior side only, and secured to adjoining members with three hex washer head 1/4-20 x 1" machine screws.

5.0 Test Specimen Description: (Continued)

5.3 Weatherstripping:

Description	Quantity	Location
Interior glazing gasket	1 Row	All four sides of glazing pocket
Exterior glazing gasket	1 Row	All four sides of glazing pocket

5.4 Glazing:

Glass Type	Spacer Type	Interior Lite	Exterior Lite	Glazing Method
1-5/16" IG	Aluminum box spacer system	1/4" HS - 0.090" SGP interlayer - 1/4" HS	1/4" Tempered	Prior to and after setting the glass, Dow 995 sealant was applied to the corners of the EPDM gaskets. The glazing was set from the exterior onto two setting blocks against an EPDM interior gasket and secured using an exterior EPDM drive-in gasket.

Location	Quantity	Daylight Opening	Glass Bite
Upper lite	3	56-5/8" x 16-3/8"	5/8"
Lower lite	3	56-5/8" x 96"	5/8"

5.5 Drainage:

Drainage Method	Size	Quantity	Location
Sub-sill flashing	180"	1	Rough opening at sill
End dam	3/4" x 2-11/16" x 5-1/4"	2	One at each end of sill flashing
Water diverter	1-11/32"	6	One at each end of horizontal mullion

5.6 Hardware: No hardware was utilized.

5.0 Test Specimen Description: (Continued)

5.7 Reinforcement:

Drawing Number	Location	Material
FL550_04, Sheet No. 7	Vertical mullions	1/4" x 1-7/16" x 4-5/8" Steel U-channel which was secured in place using two #10-24 x 3/8" Philips head sheet metal screw.

6.0 Installation:

The specimen was installed into a C8 steel channel buck. The rough opening allowed for a 1/2" shim space at the top, underneath the sub-sill flashing, and at the jambs. The exterior and interior perimeters of the storefront were sealed with Dow 795.

Location	Anchor Description	Anchor Location
Head / Sill	3/8" x 1-1/2" hex bolt with lock washer and nut	Two bolts each side of vertical mullion; first bolt 1-3/4" from edge with 2-1/4" spacing between second bolt. One bolt 3" from jamb corners. All fasteners at sill were cap-sealed with sealant.
Jambs	#3/8 -16 x 1-1/2" hex washer head sheet metal screw with nut and lock washer	1-1/2" above and below mid-point
Sub-sill	#12 x 1-1/2" flat head Philips TEKS screw	One each at 24" from each end and one at mid-point

7.0 Test Results: The temperature during testing was 80°F. The results are tabulated as follows:

Protocol TAS 202-94, Static Air Pressure Tests

Test Units #1, #2, #3

Design Pressure: ±70.0 psf

Title of Test	Results
Air Infiltration at 1.57 psf (25 mph)	0.02 cfm/ft ²
Air Infiltration at 6.24 psf (50 mph)	0.07 cfm/ft ²

	Indicator Reading (inches)					
	#1	#2	#3	#4	#5	#6
Structural Loads 50% of Test Pressure (+52.5 psf)						
Maximum Deflection	0.21	0.53	0.16	0.41	0.46	0.42
Permanent Set	0.01	0.01	<0.01	<0.01	<0.01	<0.01
Design Pressure (+70.0psf)						
Maximum Deflection	0.29	0.72	0.24	0.55	0.62	0.58
Permanent Set	0.01	0.01	<0.01	<0.01	<0.01	<0.01
50% of Test Pressure (-52.5 psf)						
Maximum Deflection	0.43	0.71	0.23	0.58	0.63	0.58
Permanent Set	0.08	0.07	0.06	0.07	0.08	0.08
Design Pressure (-70.0psf)						
Maximum Deflection	0.61	0.96	0.33	0.81	0.87	0.81
Permanent Set	0.12	0.10	0.08	0.11	0.11	0.11
Water Infiltration 15% Positive Design Pressure (+15.00 psf)	No Penetration					
Test Pressure (+105.0 psf)						
Maximum Deflection	0.46	1.10	0.19	0.80	0.93	0.89
Permanent Set	0.15	0.13	0.07	0.15	0.16	0.15
Test Pressure (-105.0psf)						
Maximum Deflection	0.67	1.28	0.33	0.97	1.09	1.05
Permanent Set	0.10	0.09	0.05	0.07	0.09	0.10

Note: See Architectural Testing Sketch #1 for indicator locations.

7.0 Test Results: (Continued)

Protocol TAS 201-94, *Impact Test Procedures*

Missile Weight: 9.50 lbs
Missile Length: 8' 0"
Muzzle Distance from Test Specimen: 17' 0"

Test Unit #1:

Impact #1: Missile Velocity: 49.9 fps	
Impact Area:	Center midspan of glazing
Observations:	Missile hit target area, fractured glass, no penetration.
Results:	Pass

Impact #2: Missile Velocity: 49.9 fps	
Impact Area:	Upper right corner of glazing
Observations:	Missile hit target area, fractured glass, no penetration.
Results:	Pass

Test Unit #2:

Impact #1: Missile Velocity: 50.0 fps	
Impact Area:	Lower left corner of glazing
Observations:	Missile hit target area, fractured glass, no penetration.
Results:	Pass

Impact #2: Missile Velocity: 49.6 fps	
Impact Area:	Center midspan of glass
Observations:	Missile hit target, fractured glass, no penetration.
Results:	Pass

Note: See Architectural Testing Sketch #2 for impact locations.

7.0 Test Results: (Continued)

Protocol TAS 201-94, *Impact Test Procedures*

Missile Weight: 9.50 lbs
Missile Length: 8' 0"
Muzzle Distance from Test Specimen: 17' 0"

Test Unit #3:

Impact #1: Missile Velocity: 49.5 fps	
Impact Area:	Upper right corner of glazing
Observations:	Missile hit target area, fractured lite, no penetration.
Results:	Pass

Impact #2: Missile Velocity: 49.9 fps	
Impact Area:	Midspan of vertical mullion (Specimens #2 and #3)
Observations:	Missile hit target area, dented aluminum
Results:	Pass

Impact #3: Missile Velocity: 49.8 fps	
Impact Area:	Center midspan of glass
Observations:	Missile hit target, fractured glass, no penetration.
Results:	Pass

Impact #4: Missile Velocity: 50.0 fps	
Impact Area:	Midspan of horizontal mullion (over Specimen #2)
Observations:	Missile hit target area, dented aluminum
Results:	Pass

Note: See Architectural Testing Sketch #2 for impact locations.

7.0 Test Results: (Continued)

Protocol TAS 203-94, Cyclic Wind Pressure Loading

Test Unit #1, #2, #3

Design Pressure: ±70.0 psf

POSITIVE PRESSURE

Pressure Range psf	Number of Cycles	Average Cycle Time (seconds)	Maximum Deflection at Indicator (inches)					
			#1	#2	#3	#4	#5	#6
14.0 to 35.0	3500	3.60	0.33	0.66	0.49	0.14*	0.48	0.49
0 to 42.0	300	6.08	0.35	0.69	0.51	0.17*	0.51	0.52
35.0 to 56.0	600	5.16	0.41	0.82	0.55	0.29*	0.64	0.65
21.0 to 70.0	100	6.40	0.47	0.92	0.59	0.37*	0.74	0.75
			Permanent Set (inches)					
			0.28	0.32	0.27	0.04*	0.26	0.30

NEGATIVE PRESSURE

Pressure Range psf	Number of Cycles	Average Cycle Time (seconds)	Maximum Deflection at Indicator (inches)					
			#1	#2	#3	#4	#5	#6
21.0 to 70.0	50	6.16	0.55	0.88	0.23	0.71	0.78	0.76
35.0 to 56.0	1050	3.20	0.37	0.64	0.14	0.49	0.55	0.53
0 to 42.0	50	7.00	0.33	0.58	0.12	0.44	0.50	0.47
14.0 to 35.0	3350	3.64	0.23	0.42	0.07	0.30	0.36	0.33
			Permanent Set (inches)					
			0.03	0.03	0.01	0.06	0.07	0.04

**Transducer was reset due to a malfunction in the reading during the cycling.*

Observations: *No additional damage or deglazing was observed.*

Result: Pass

Note: *See Architectural Testing Sketch #1 for indicator locations. Test Specimens #1, #2, and #3 were cycled in a common chamber.*

8.0 Test Equipment:

Cannon: Constructed from steel piping utilizing compressed air to propel the missile

Missile: 2x4 Southern Pine

Timing Device: Electronic Beam Type

Cycling Mechanism: Computer controlled centrifugal blower with electronic pressure measuring device

Deflection Measuring Device: Linear transducers

9.0 Laboratory Compliance Statements: The following are provided as required by the protocols for the testing reported herein.

Upon completion of testing, specimens tested for TAS 201-94 met the requirements of Section 1626 of the Florida Building Code, Building (2007).

Upon completion of testing, specimens tested for TAS 202-94 met the requirements of Section 1620 of the Florida Building Code, Building (2007).

Upon completion of testing, specimens tested for TAS 203-94 met the requirements of Section 1626 of the Florida Building Code, Building (2007).

Tape and film were used to seal against air leakage during structural testing. In our opinion, the tape and film did not influence the results of the test.



The service life of this report will expire on the stated Test Record Retention End Date, at which time such materials as drawings, data sheets, samples of test specimens, copies of this report, and any other pertinent project documentation, shall be discarded without notice.

If test specimen contains glazing, no conclusions of any kind regarding the adequacy or inadequacy of the glass in any glazed test specimen(s) can be made. This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. It is the exclusive property of the client so named herein and relates only to the specimen(s) tested. This report may not be reproduced, except in full, without the written approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, Inc.

John C. McClane
Laboratory Manager

Shawn G. Collins, P.E.
Laboratory Support Engineer

JCM:ck/cmd/vlm

Attachments (pages): This report is complete only when all attachments listed are included.

- Appendix-A: Sketches (2)
- Appendix-B: Photographs (4)
- Appendix-C: Drawings (7)



Architectural Testing

Test Report No.: B1031.01-401-18
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Appendix A

Sketches



Architectural
Testing

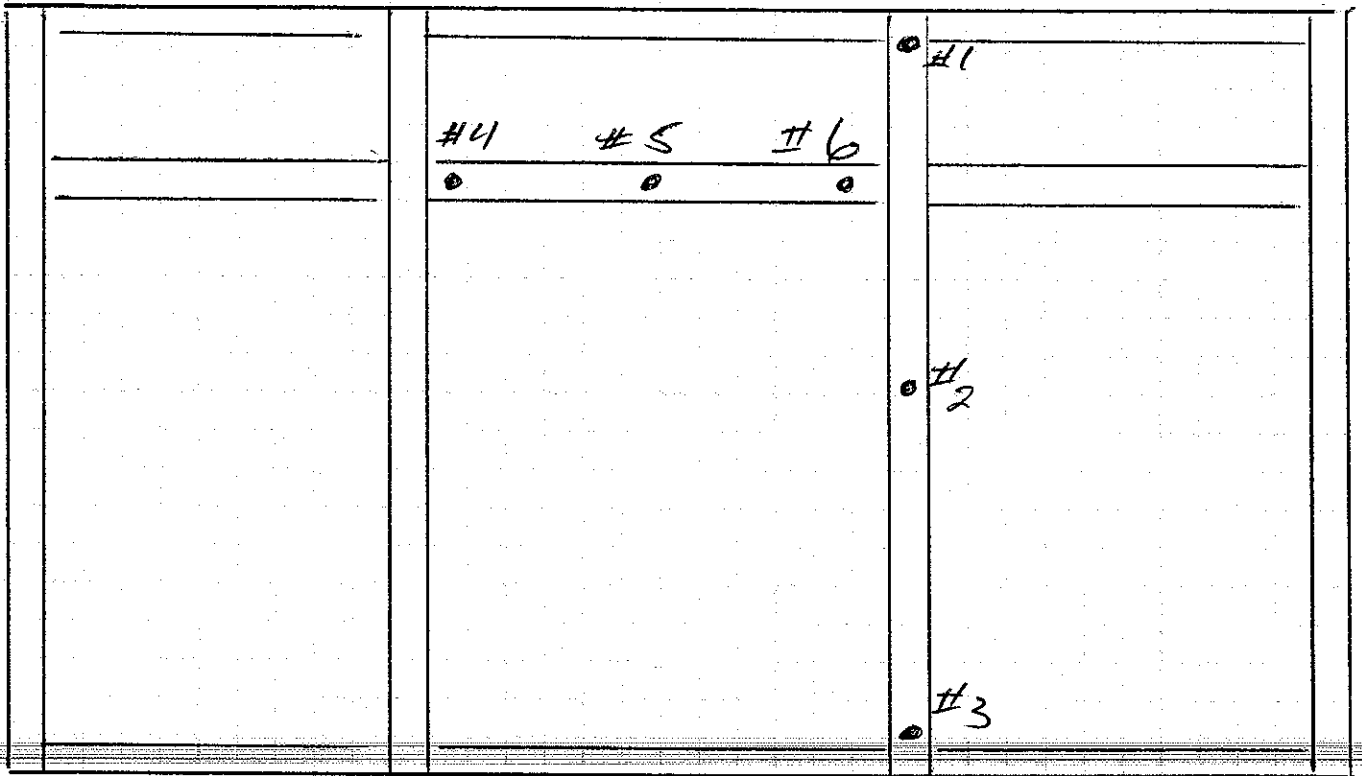
DATE: 01/3/2012

PROJECT NO. B1031.01 SHEET 1 OF 2

BY: JCM

PROJECT NAME: CORAL

INDICATOR LOCATIONS





Architectural
Testing

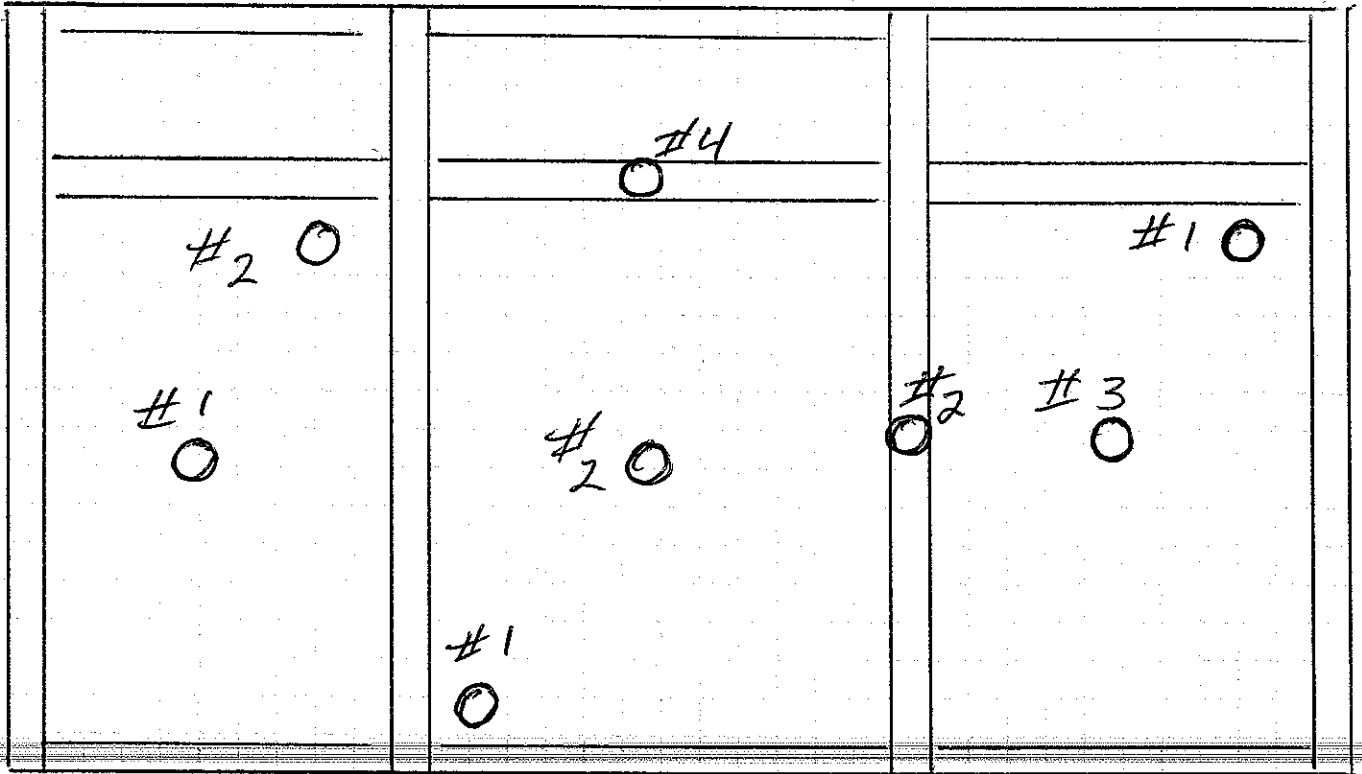
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PROJECT NO. B1031.01 SHEET 2 OF 2

BY: SCW

PROJECT NAME: CORA 1

IMPACT LOCATIONS



Appendix B Photographs



Photo No. 1
Specimens #1, #2, and #3
Overall View of Test Specimens



Photo No. 2
Specimen #1
Typical Corner Detail at Exterior



Photo No. 3
Specimens #1 and #2
Typical Mullion Detail at Exterior

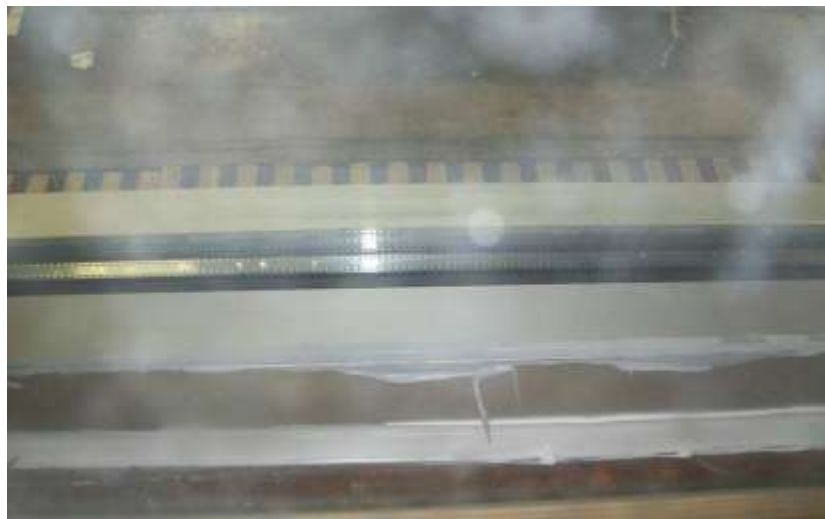


Photo No. 4
Specimens #1, #2 and #3
Typical Glazing Pocket During 15.00 psf Water Test



Photo No. 5
Specimens #1, #2, #3
Exterior View After TAS 201 and Before TAS 203 Cyclic Loading



Photo No. 6
Specimens #1, #2 and #3
During TAS 203 Cyclic Loading



Photo No. 7
Specimens #1, #2, #3
Installation of Sub-Sill



Photo No. 8
Specimens #1, #2, #3
Typical Corner Detail at Sub-Sill



Architectural Testing

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Appendix C

Drawings

PRODUCT APPROVAL SUBMITTAL FL550 FRAMING SYSTEM WITH DRY GLAZE GASKETS FOR USE IN HURRICANE ZONES REQUIRING LARGE MISSILE IMPACT PROTECTION

GENERAL NOTES:

TEST STANDARDS
 AIR-TAS202
 WATER-TAS202
 STATIC-TAS202
 IMPACT-TAS201
 CYCLIC-TAS203

DESIGN PRESSURE VARIES
 REF. SHEETS 2-6 OF 16

WATER INFILTRATION: 15 PSF

AIR INFILTRATION: 6.24 PSF

TYPICAL GLASS BITE IS 9/16" UNLESS OTHERWISE NOTED.

1/2" MAXIMUM SHIM SPACE @ PERIMETER UNLESS OTHERWISE NOTED

ALL ALUMINUM EXTRUSIONS SHALL BE MADE FROM 6063-T6 ALLOY AND TEMPER.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH FLORIDA BUILDING CODE ADDITION 2007 INCLUDING HIGH VELOCITY HURRICANE ZONES.

MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME IN CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004 FLORIDA BUILDING CODE SECTION 2003.8.4

ABBREVIATIONS:

D.L.O. = DAY LIGHT OPENING
 C.O.C. = CONCEALED OVERHEAD CLOSER
 TYP. = TYPICAL
 D.O.W. = DOOR OPENING WIDTH
 D.O.H. = DOOR OPENING HEIGHT
 S.A.C. = SURFACE APPLIED CLOSER

DEFINITIONS: DICTIONARY OF ARCHITECTURE & CONSTRUCTION--2ND EDITION

1. SIDE LIGHT - A FRAMED AREA OF FIXED GLASS ALONGSIDE A DOOR
2. TRANSOM FRAME - A DOORFRAME WITH A TRANSOM BAR AND GLASS ABOVE THE DOOR

-
- SHEET 1 INDEX TO DRAWINGS AND NOTES
 - SHEET 2 TYPICAL ELEVATION LIGHT ALUM. MULLION WITH STEEL-LONG SPAN
 - SHEET 3 GLAZING SCHEDULE
 - SHEET 4 FRAMING DETAILS
 - SHEET 5 FRAMING DETAILS
 - SHEET 6 BILL OF MATERIALS FOR FRAMING AND ACCESSORIES
 - SHEET 7 DIE DRAWINGS



Test sample complies with these details.
 Deviations are noted.

Report# B1031.01
 Date 8/1/11 Tech Jem

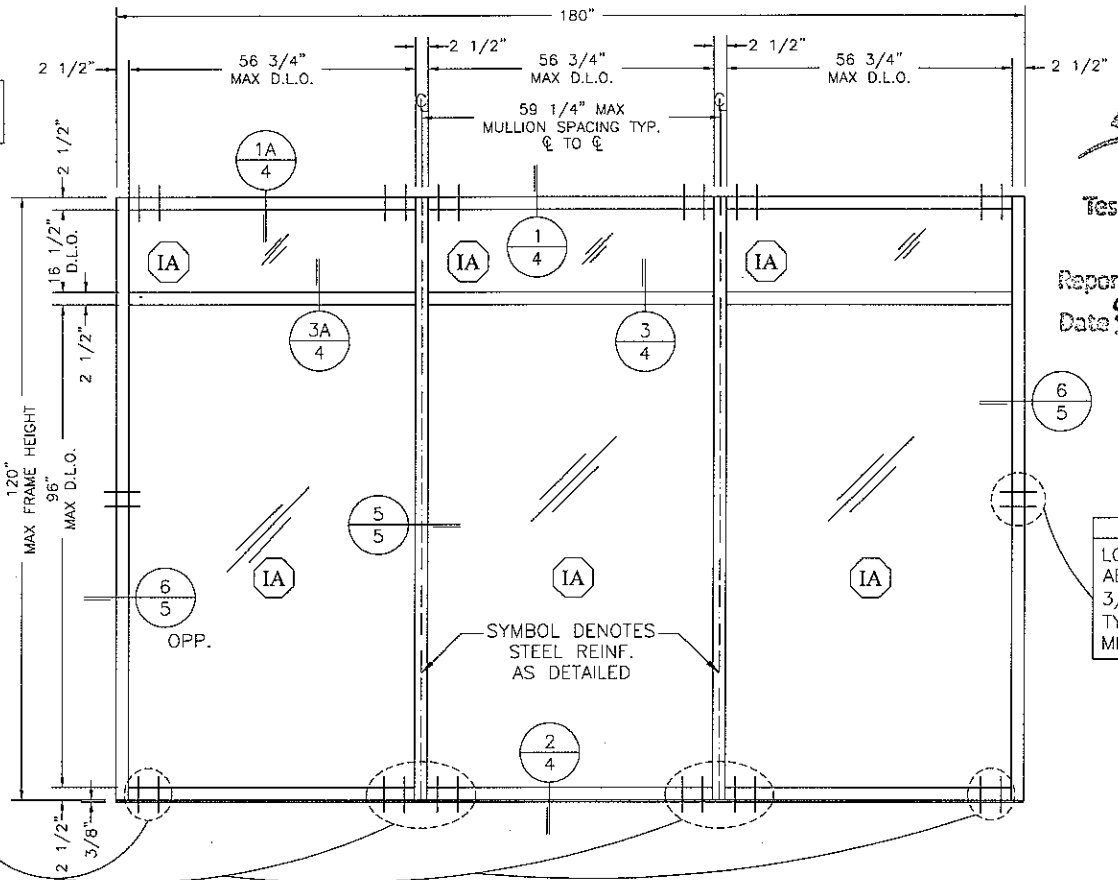
REV	BY	DATE	DESCRIPTION

Coral
 Architectural Products
 3810 RICE MIKE ROAD, NUBIA, FLORIDA 32566
 PHONE: 800-772-7237 FAX: 904-265-7026

PRODUCT TEST DRAWINGS
 FL550 WINDOW WALL SYSTEM
 PROTOCOLS: PA201/202/203
 INDEX TO DRAWINGS AND NOTES

DATE	7/29/2011		
DRAWN	CHECKED	APPROVED	
ALL	WS	WS	
PROJECT NO.			
DRAWING NO.			
FL550 04			
SHEET			
1 OF 7			

LEGEND
 EACH LINE REPRESENTS ONE FASTENER



Architectural Testing

Test sample complies with these details.
 Deviations are noted.

Report# **B1031.01**
 Date **8/1/11** Tech **JEM**

SILL/HEAD @ STEEL SUBSTRATE
 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

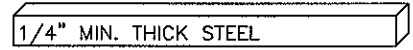
STEEL SUBSTRATE
 LOCATE (1) EA. 1-1/2" ABOVE AND BELOW MIDPOINT: 3/8" -16 x 1-1/2" HWH TYPE "F" TCS TYP. @STEEL 2" MIN. SPACING BETWEEN ANCHORS

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

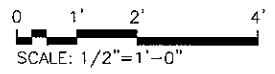
DESIGN PRESSURE = +70/-70 PSF

WATER TEST AT 15 PSF

AIR @ 6.24 P.S.F.



- NOTES:**
1. GLASS SIZE=D.L.O. + 1-1/8"
 2. HORIZONTAL MULLION (DETAIL 3/8 OR 3A/8) IS OPTIONAL IN ANY BAY
 3. HEAD (DETAIL 1/8 OR 1A/8) IS OPTIONAL IN ANY BAY.



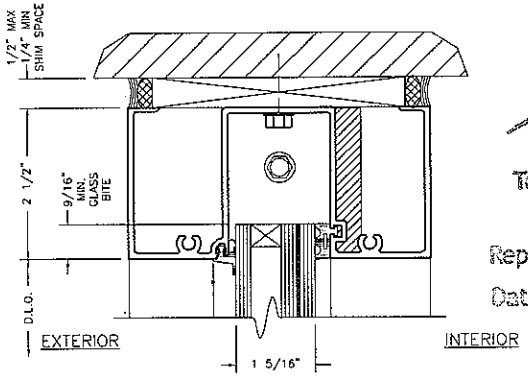
REV	BY	DATE	DESCRIPTION

Coral
 Architectural Products
 3010 RICE MIKE ROAD, TUSCALOOSA, AL 35406
 PHONE: 205-775-7377 FAX: 205-335-5700

PRODUCT APPROVAL DRAWINGS
 FL550 WINDOW WALL SYSTEM
 PROTOCOLS: PA201/202/203
 FRAMING ELEVATIONS

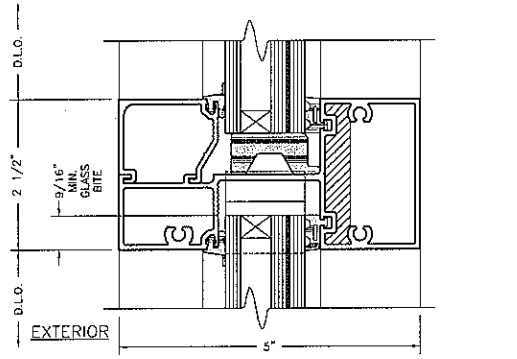
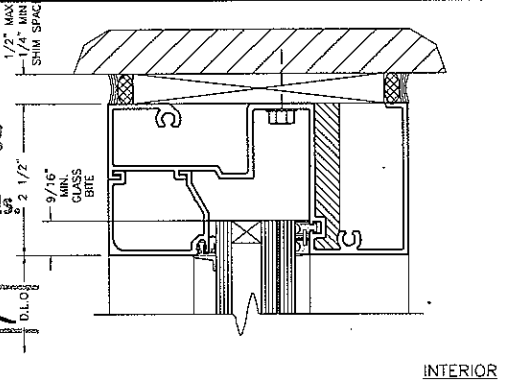
NOTICE OF ACCEPTANCE

DATE	7/29/2011		
DRAWN	CHECKED	APPROVED	
MLL	WS	WS	
PROJECT NO.			
DRAWING NO.	FL550 04		
SHEET	2 OF 7		



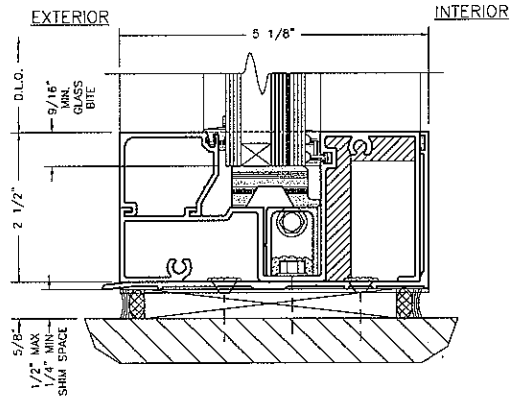
Test sample complies with these details.
Deviations are noted.

Report# B1031.01
Date 8/1/11 Tech JCM



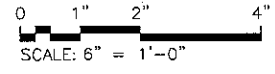
GLASS TYPE	DESCRIPTION	MANUFACTURER	MAXIMUM DLO (INCHES)	MAXIMUM SQ. FT.
(ID)	1-5/16" INSULATED -1/4" TEMPERED X 1/2" (1) AL BX SPACER X 1/4" H.S. X SENTRY GLASS R PWS .090 X 1/4" H.S.	E.I. DUPONT DE NEMOURS & CO. NOA 10-0413.04	56.5 X 96	37.67

(1) DRY GLAZE INSULATED GLASS MUST BE SUPPLIED WITH 1/2" AIRSPACE WITH ALUMINUM BOX SPACER AROUND THE PERIMETER OF GLASS. PRIMARY SEALANT: TYPE PIB-29 MANUFACTURED BY ADCC. SECONDARY SEALANT: TYPE E-3723 A&B TWO PART SILICONE AS MANUFACTURED BY GE.



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

NOTE: THE INTERIOR IS ON THE RIGHT OF VERTICAL SECTION CUTS UNLESS OTHERWISE NOTED



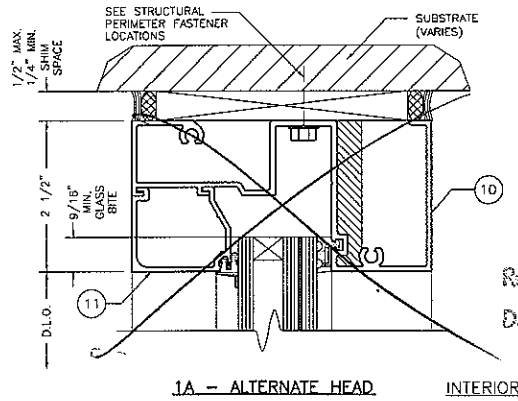
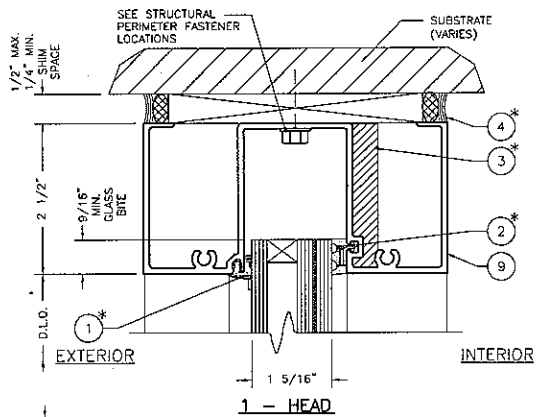
NOTICE OF ACCEPTANCE

REV	BY	DATE	DESCRIPTION

Coral
Architectural Products
3010 BEE HIVE ROAD TUSCALOOSA, AL 35468
PHONE: 800-772-7737 FAX: 800-493-6261

PRODUCT APPROVAL DRAWINGS
FL550 WINDOW WALL SYSTEM
PROTOCOLS: PA201/202/203
GLAZING SCHEDULE

DATE	7/29/2011		
DRAWN	CHECKED	APPROVED	
ALL	WS	WS	
PROJECT NO.			
DRAWING NO.	FL550 04		
SHEET	3 OF 7		



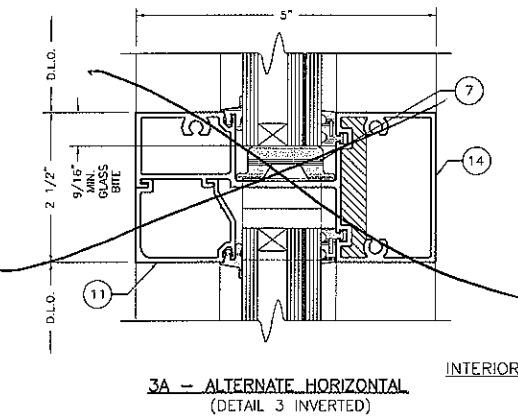
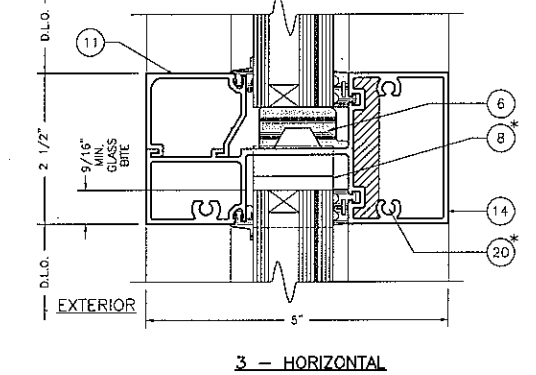
Architectural Testing
 Test sample complies with these details.
 Deviations are noted.
 Report# B1031.01
 Date 8/1/11 Tech JCM

NO.	REVISION	DATE

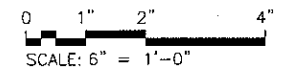
Conal
 Architectural Products
 2010 RICE WINE ROAD, TUSCALOOSA, AL 35605
 PHONE: 800-772-7337 FAX: 205-253-7336

PRODUCT APPROVAL DRAWINGS
 FL550 WINDOW WALL SYSTEM
 PROTOCOLS: PA201/202/203

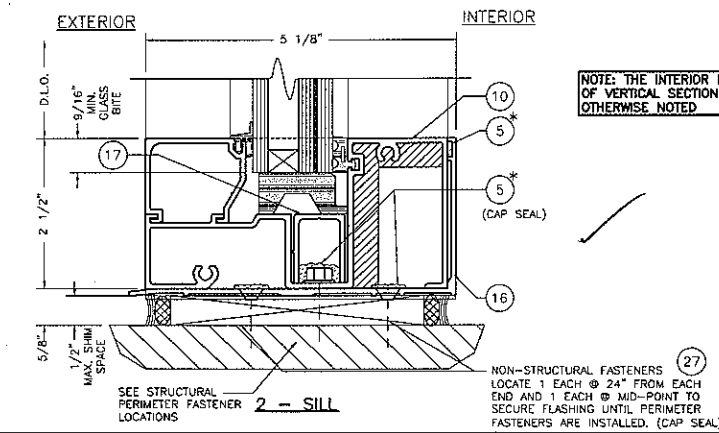
FRAMING DETAILS



1/2" MAXIMUM, 1/4" MINIMUM SHIM SPACE TYPICAL AT PERIMETER UNLESS OTHERWISE NOTED



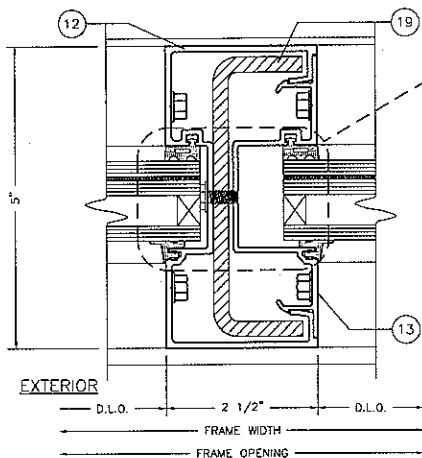
NOTE: THE INTERIOR IS ON THE RIGHT OF VERTICAL SECTION CUTS UNLESS OTHERWISE NOTED



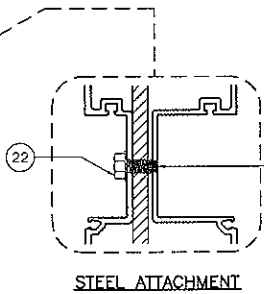
- 1 TYPICAL EXTERIOR GASKET
- 5 TYPICAL INTERIOR SEALANT
- 2 TYPICAL INTERIOR GASKET
- 8 TYPICAL @ EACH END OF INTERM. HORIZ.
- 3 TYPICAL @ ALL JOINT INTERSECTIONS
- 20 TYPICAL @ ALL SPLINES
- 4 TYPICAL PERIMETER SEALANT

NOTICE OF ACCEPTANCE

DATE	7/28/2011	
DRAWN ALL	CHECKED WS	APPROVED WS
PROJECT NO.		
DRAWING NO.	FL550 04	
SHEET	4 OF 7	



5 - LIGHT INTERM. VERTICAL WITH STEEL



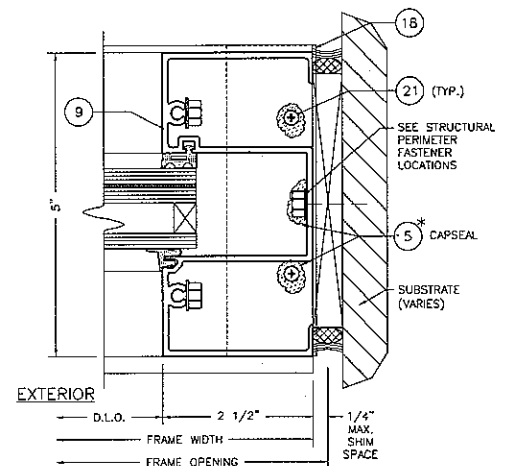
HORIZONTAL SECTION CUTS ARE AS VIEWED FROM THE EXTERIOR UNLESS OTHERWISE NOTED



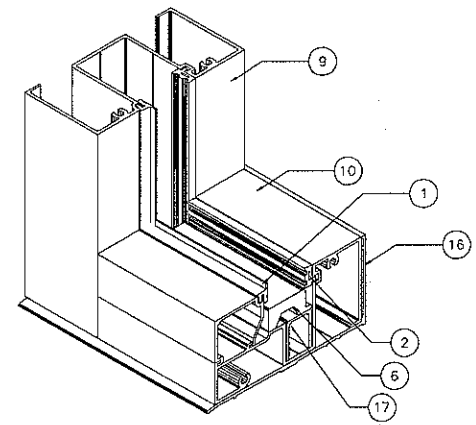
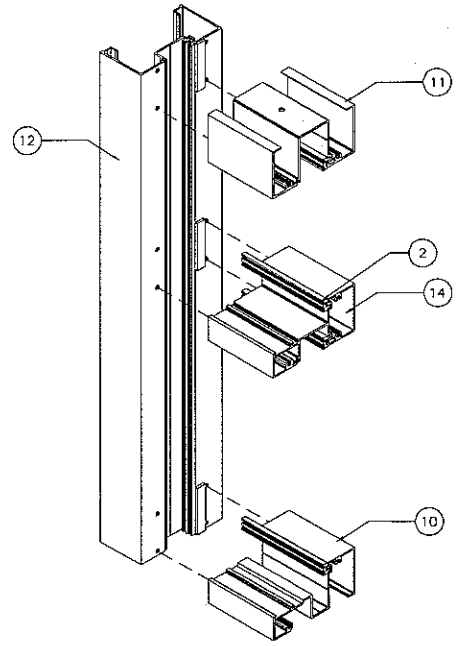
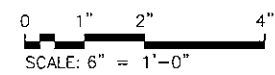
Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# B1031.01
Date 8/1/11 Tech ICM



6 - WALL JAMB



REV	BY	DATE	DESCRIPTION

Coral
Architectural Products
3010 RICE AVE ROAD, TUSCALOOSA, AL 35408
PHONE: 800-727-7237 FAX: 800-255-7330

PRODUCT APPROVAL DRAWINGS
FL550 WINDOW WALL SYSTEM
PROTOCOLS: PA201/202/203
FRAMING DETAILS

NOTICE OF ACCEPTANCE

DATE	7/29/2011	
DRAWN ALL	CHECKED WS	APPROVED WS
PROJECT NO.		
DRAWING NO.	FL550 04	
SHEET	5 OF 7	

BILL OF MATERIALS

ITEM NO.	P/N	DESCRIPTION	DIMENSIONS	MATERIAL	MANUFACTURER	NOTES
1	NG1	EXTERIOR GLAZING GASKET	0.120 SPACE	EPDM	VARIES	+/-70 DUROMETER
2	NG15	INTERIOR GASKET	0.594 X 0.260 X VARIES	EPDM	VARIES	+/-70 DUROMETER
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 @ PERIMETER
5	995	SILICONE -- GLASS TO METAL	FILL SPACE	SILICONE	DOW CORNING	GLASS TO METAL AND INTERNAL
6	SB15	SETTING BLOCK @ SILL & HORIZONTAL	0.667 X 1.468 X 4.000	EPDM	VARIES	2 PER LITE
7	SB16	SETTING BLOCK @ INVERTED HORIZONTAL	0.588 X 1.671 X 4.000	EPDM	VARIES	2 PER LITE
8	WD300-1	WATER DIVERTER	1.358 X 1.344 X 4.000 <i>0.062</i>	INJECTION MOLDED PLASTIC	CORAL INDUSTRIES, INC.	@ EACH END OF HORIZONTAL
9	FL551	HEAD OR WALL JAMB	2.500 X 5.000 X 0.094	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
10	FL552	SILL OR HEAD	2.500 X 4.980 X 0.094	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
11	FL553	GLASS STOP	1.250 X 1.648 X 0.078	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
12	FL554	STD. VERTICAL MULLION/DOOR JAMB	2.500 X 5.000 X 0.094	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
13	FL555	OPEN BACK MULLION FILLER	0.661 X 4.670 X 0.080	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
14	FL556	INTERMEDIATE HORIZONTAL	2.500 X 4.980 X 0.094	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
15		NOT USED				
16	FL519	SUBSILL FLASHING	2.620 X 5.402 X 0.084	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
17	CS500-1	SETTING CHAIR	1.156 X 0.844 X 0.078	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
18	ED519-1	SILL FLASHING END DAM	2.500 X 1.000 X 0.062	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
19	SR504	STEEL REINFORCEMENT	4.562 X 1.250 X 0.250	A36 STEEL	VARIES	STEEL REINFORCEMENT FOR (12)
20	AS16	FASTENER	#14 X 1" HHSTS	STEEL	VARIES	TYP. SPLINE SCREW VERTICAL/HORIZONTAL JOINTS
21	AS31	FASTENER	#6 X 3/4" PPH	STEEL	VARIES	ATTACH (18) TO (16)
22	AS38	FASTENER	#10-24 X 3/8" HH	STEEL	VARIES	ATTACH (19) TO (12)
23		FASTENER FOR ATTACHING HEAD/SILL AND JAMB TO STL. SUBSTRATE	3/8" -16 X 1-1/2" HWH TYPE "F" TCS	STEEL	VARIES	2" MIN. SPACING
24		NOT USED				
25		NOT USED				
26		NOT USED				
27		FASTENER FOR ANCHORING (19) TO STEEL SUBSTRATE	#12 X 1-1/2" FHP TEK	STEEL	VARIES	
28		NOT USED				

NOT USED



Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# B1031.01
Date 8/1/11 Tech JCM

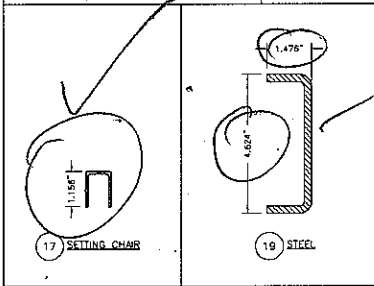
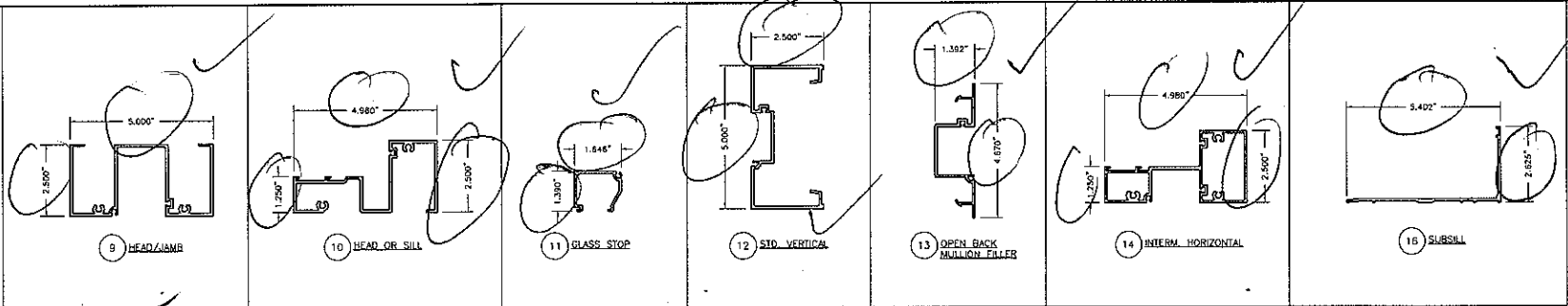
NOTICE OF ACCEPTANCE

REV	BY	DATE	DESCRIPTION

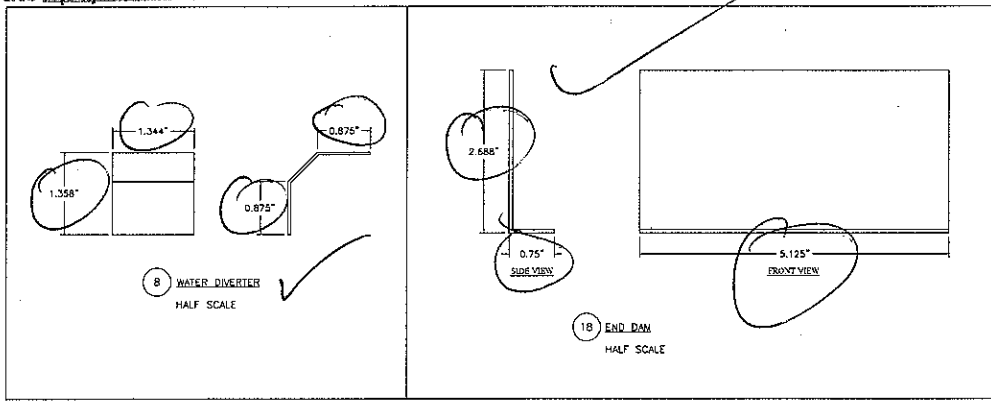
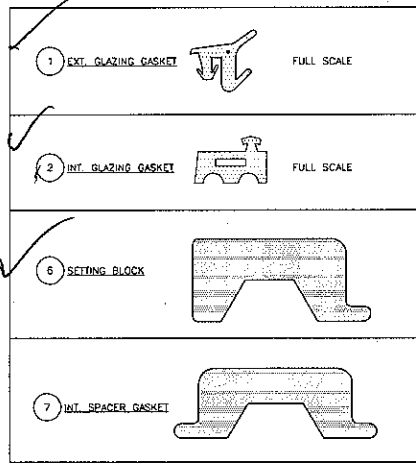
Coral
Architectural Products
9019 PACE WINE ROAD, TUSCALOOSA, AL 35406
PHONE: 800-772-7737 FAX: 800-255-1205

PRODUCT APPROVAL DRAWINGS
FL550 WINDOW WALL SYSTEM
PROTOCOLS: PA2011/202/203
BILL OF MATERIALS

DATE 7/29/2011			
DRAWN MIL	CHECKED WS	APPROVED WS	
PROJECT NO.			
DRAWING NO. FL550 04			
SHEET 6 OF 7			



Architectural Testing
 Test sample complies with these details.
 Deviations are noted.
 Report# B1031.01
 Date 8/1/11 Tech JCM



NO.	REV.	BY	DATE	DESCRIPTION

Coral
 Architectural Products
 3010 RICE AVE. ROAD, TUSCALOOSA, AL 35468
 PHONE: 205-773-7377 FAX: 601-443-6281

PRODUCT APPROVAL DRAWINGS
 FL550 WINDOW WALL SYSTEM
 PROTOCOLS: PA201,202,203
DIE DRAWINGS

NOTICE OF ACCEPTANCE

DATE 7/28/2011

DRAWN	CHECKED	APPROVED
ALL	WS	WS

PROJECT NO.

DRAWING NO.
FL550_04

SHEET
7 OF 7