

MIAMI-DADE COUNTY PERFORMANCE TEST REPORT

Report No.: C3787.02-401-18

Rendered to:

CORAL ARCHITECTURAL PRODUCTS
Tuscaloosa, Alabama

PRODUCT TYPE: Thermally Broken Impact Storefront IG
SERIES/MODEL: FL 550T(DG) Thermal Flush Glaze-IG

This report contains in its entirety:

Cover Page: 1 page
Report Body: 12 pages
Sketches: 2 pages
Drawings: 7 pages

Test Start Date: 3/21/2013
Test End Date: 3/21/2013
Revision 1 Date: 8/22/2013
Report Date: 8/21/2013
Test Record Retention End Date: 8/21/2023
Miami-Dade County Notification No.: ATI FL 12015

1.0 Client Identification:

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

1.2 Contact Person: William Smith, SR

2.0 Laboratory Identification:

2.1 Test Laboratory: Architectural Testing, Inc.
 2250 Massaro Boulevard
 Tampa, Florida 33619

2.2 Laboratory Phone Number: 813-628-4300

3.0 Project Summary:

3.1 Introduction: Architectural Testing, Inc. was contracted by Coral Architectural Products to conduct TAS 201, TAS 202, and TAS 203 testing on their FL 550T(DG) Thermal Flush Glaze-IG storefront in accordance with Florida Building Code for High Velocity Hurricane Zone and Miami-Dade County requirements. The three specimen(s) tested met the performance requirements set forth in the protocols. The results are summarized in Table 1.

Table 1: Summary of Test Results

Specimen #	Test Protocol	Design Pressure
1	TAS 202	Water only (15.04 psf)
1, 3 and 4	TAS 201 / 203 (Small Missile)	+60.0 / -60.0 psf

3.2 Product Type: Thermally Broken Impact Storefront IG

3.3 Series/Model: FL 550T(DG) Thermal Flush Glaze-IG

3.4 Miami-Dade County Notification No.: ATI 12015

3.5 Test Date: 3/21/2013

3.6 Test Record Retention End Date: 8/21/2023

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

3.0 Project Summary: (Continued)

3.8 Test Specimen Source: The test specimen(s) were provided by the client. Representative samples of the test specimen(s) will be retained by Architectural Testing for a minimum of ten years from the report completion date.

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

3.10 List of Official Observers:

<u>Name</u>	<u>Company</u>
William Smith	Coral Architectural Products
Daniel P. White	Architectural Testing, Inc.
Shawn G. Collins, P.E.	Architectural Testing, Inc.
John C. McClane	Architectural Testing, Inc.

4.0 Test Protocol(s):

TAS 201-94, *Impact Test Procedures*

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

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

5.0 Test Specimen Description:

5.1 Product Sizes: Table 2 provides product sizes for the overall test specimen(s) and operable components.

Table 2: Overall Specimen and Operable Component Sizes

Overall Area: 109.8 ft ²	Width (in.)	Height (in.)
Overall size	146.5	108

5.0 Test Specimen Description: (Continued)

5.2 Frame Construction: The frame was fabricated utilizing the members listed in Table 3.

Table 3: Frame Member Details

Frame Member	Part #	Material	Description
Sub-sill	FL539T	Extruded aluminum	Detail #6 on sheet #4 of #7
Sill	FL572T	Extruded aluminum	Detail #6 on sheet #4 of #7
Head	FL572T	Extruded aluminum	Detail #4 on sheet #4 of #7
Left jamb	FL571T/ FL515-1	Extruded aluminum	Detail #8 on sheet #5 of #7
Right jamb	FL574T/ FL575T	Extruded aluminum	Detail #9 on sheet #5 of #7
Vertical mullions	FL574T/ FL575T	Extruded aluminum	Detail #7 on sheet #5 of #7

5.2.1 Frame Corner Construction: The frame corners were constructed as described in Table 4.

Table 4: Frame Corner Construction Details

Location	Joinery Type	Details
All verticals to sill	Mechanically fastened	Square-cut, butted, secured through the vertical into the horizontal screw bosses with (2) #14 x 1" HHSTS and sealed with butyl tape and sealed at the exterior with Dow Corning 995 silicone.
All verticals to head	Mechanically fastened	Square-cut, butted, secured through the vertical into the horizontal screw bosses with (2) #14 x 1-1/2" pan head sheet metal screws and sealed with butyl tape and sealed at the exterior with Dow Corning 995 silicone.

5.0 Test Specimen Description: (Continued)

5.3 Reinforcement: No reinforcement was utilized

5.4 Weatherstripping: Table 5 provides details of the weatherstripping utilized in each test specimen.

Table 5: Weatherstripping Details

Description	Quantity	Location
Part #NG1; EPDM, flexible glazing wedge gasket.	1 Row	Exterior perimeter of each lite; vertical mullions, and glass stops
Part #NG15; EPDM, flexible glazing gasket	1 Row	Interior perimeter of each lite; and vertical mullions, at the glazing pockets

5.5 Glazing Details:

5.5.1 Glazing Materials: Table 6 describes the glass utilized for testing.

Table 6: Glazing Details

Glass Type	Overall Thickness	Glass Makeup	Glazing Method
IA	1-5/16" I.G. Laminated	1/4" tempered glass 1/2" air space 1/4" tempered glass 0.035" SG® by DuPont interlayer 1/4" tempered glass	Interior glazed onto an exterior perimeter vinyl gasket Part#NG15, secured with snap-in glass stops at the horizontal frame member of each lite. The interior perimeter of each lite utilized a vinyl wedge gasket; Part#NG1.

5.5.2 Daylight Opening and Glass Bite: Table 7 provides the daylight opening and glass bite utilized for testing.

Table 7: Daylight Opening Sizes and Glass Bite Details

Glass Type	Location	Quantity	Daylight Opening	Glass Bite
IA	Left, right and center lite	3 total	45-1/2" x 102-3/8"	9/16"

5.0 Test Specimen Description: (Continued)

5.6 Drainage: Table 8 provides details of drainage holes and accessories utilized for testing.

Table 8: Drainage Details

Drainage Method	Size	Quantity	Location
Weepholes	3/8" diameter	6	Sub-sill; 10" from each jamb and 8" from each side of vertical mullions

5.7 Hardware: No hardware was utilized.

5.8 Installation: Table 9 provides details of the test specimen installation into the C10 steel test buck with welded corners. The rough opening allowed for a 1/2" shim space. The interior and exterior perimeter of the test specimen was sealed with Dow Corning 795 silicone. Metal to metal joints and metal to glass at all corners was sealed with Dow Corning 995 silicone.

Table 9: Installation Details

Location	Anchor Description	Anchor Location
Sub-sill	#14 x 1-1/2" tek screws	4" from each end and 48" on center into the steel test buck
Sill	#14 x 1/2" pan head sheet metal screws	4" and 6" from the jambs and 2" and 4" each side of the vertical mullions into the sub sill only
Head	#14 x 1-1/2" tek screws	2" and 4" from the jambs and each side of the vertical mullions into the test buck

6.0 Test Results: The temperature during TAS 202 testing was 69.3°F. Results are tabulated as follows:

6.1 Protocol TAS 202-94, *Static Air Pressure*

Table 10 provides the results for the water penetration test.

Table 10: Test Specimen #1 TAS 202, Water Penetration Test Results

Title of Test	Pressure	Results
Water Penetration 15% of Positive Design Pressure	15.04 psf	Pass

Conclusion: Architectural Testing observed no signs of water infiltration in any area of the test specimen during the TAS 202 testing; as such, the test specimen satisfies the requirements of the water infiltration portion of TAS 202.

6.0 Test Results: The temperature during TAS 201 testing was 69.3°F. Results are tabulated as follows:

6.2 Protocol TAS 201-94, *Small Impact Procedures*

Tables 11, 12 and 13 provides the results for the small missile impact test.

Table 11: Test Specimen #1 TAS 201, Small Missile Impact Test Results

Impact #	Missile Weight (grams)	Missile Velocity (ft./sec.)	Observations
1	10	132.9	Missile hit impact area; fractured glass. No fracture to interior laminated lite
2	10	132	Missile hit impact area; fractured glass. No fracture to interior laminated lite
3	10	131	Missile hit impact area; fractured glass. No fracture to interior laminated lite

Table 12: Test Specimen #2 TAS 201, Small Missile Impact Test Results

Impact #	Missile Weight (grams)	Missile Velocity (ft./sec.)	Observations
1	10	129.4	Missile hit impact area; fractured glass. No fracture to interior laminated lite
2	10	130.1	Missile hit impact area; fractured glass. No fracture to interior laminated lite
3	10	131.1	Missile hit impact area; fractured glass. No fracture to interior laminated lite

6.0 Test Results: (Continued)

Table 13: Test Specimen #3 TAS 201, Small Missile Impact Test Results

Impact #	Missile Weight (grams)	Missile Velocity (ft./sec.)	Observations
1	10	131.4	Missile hit impact area; fractured glass. No fracture to interior laminated lite
2	10	130.0	Missile hit impact area; fractured glass. No fracture to interior laminated lite
3	10	129.2	Missile hit impact area; fractured glass. No fracture to interior laminated lite

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

Conclusion: The small missiles impacted each intended target and Architectural Testing carefully inspected each impact location. Architectural Testing observed no signs of penetration, rupture, or opening after the small missile impact test; as such, each test specimen satisfies the small missile requirements of TAS 201.

6.0 Test Results: The temperature during TAS 203 testing was 69.3°F. Results are tabulated as follows:

6.3 Protocol TAS 203-94, Cyclic Wind Pressure Loading

Tables 14 through 16 provides the results for the positive and negative cyclic load test.

Table 14: Test Specimen #1,2 and 3 TAS 203
Cyclic Test Spectrum and Average Cycle Time

Design Pressure	+60.0 / -60.0 psf	Stage			
		1	2	3	4
Pressure Range (psf)		12.0 – 30.0	0.0 – 36.0	30.0 – 48.0	18.0 – 60.0
Average Cycle Time (sec.)		3.38	5.20	2.52	5.04
Number of Cycles		3500	300	600	100
		5	6	7	8
Pressure Range (psf)		18.0 – 60.0	30.0 – 48.0	0.0 – 36.0	12.0 – 30.0
Average Cycle Time (sec.)		5.24	2.52	4.68	2.36
Number of Cycles		50	1050	50	3350

Table 15: Test Specimen #1,2 and 3 TAS 203, Positive Cyclic Load Test Results

Indicator Location	Maximum Deflection	Permanent Set (in.)	Percent Recovery	
			Measured %	Allowed %
1	0.05	0.08	NA	> 90
2	1.00	0.12	NA	> 90
3	0.04	0.05	NA	> 90
4	0.15	0.14	NA	> 90
5	0.06	0.08	NA	> 90
6	0.09	0.01	NA	

Table 16: Test Specimen #1,2 and 3 TAS 203, Negative Cyclic Load Test results

Indicator Location	Maximum Deflection	Permanent Set (in.)	Percent Recovery	
			Measured %	Allowed %
1	0.16	0.09	NA	> 90
2	0.95	0.20	NA	> 90
3	0.10	0.04	NA	> 90
4	0.15	0.20	NA	> 90
5	0.11	0.11	NA	> 90
6	0.05	0.03	NA	

Note: See Architectural Testing Sketch #2 for indicator locations. Deflection/permanent set reported is the overall deflection between three points (longest unsupported span) which accounts for support movement. Test Specimens #1, #2 and #3 were cycled in a common chamber.

7.0 Test Equipment:

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

Missile: 5/16" diameter ball bearings

Timing Device: Electronic beam type

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

Deflection Measuring Device: Linear transducers

8.0 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.

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

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.



Architectural Testing will service this report for the entire test record retention period. Test records that are retained such as detailed drawings, datasheets, representative samples of test specimens, or other pertinent project documentation will be retained by Architectural Testing, Inc. for the entire test record retention period.

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.
Manager - Regional Operations

JCM:jah

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

Appendix A: Sketches (2)

Appendix B: Drawings (7)



Revision Log

<u>Rev. #</u>	<u>Date</u>	<u>Page(s)</u>	<u>Revision(s)</u>
0	08/21/13	N/A	Original report issue
1	08/22/13	Appendix B	Revised assembly drawing



Architectural Testing

Test Report No.: C3787.02-401-18

Revision 1: 8/22/2013

Report Date: 8/21/2013

Appendix A

Sketches



Architectural
Testing

DATE: 8/13/13

PROJECT NO. C3287.02 SHEET 1 OF 2

BY: JCM

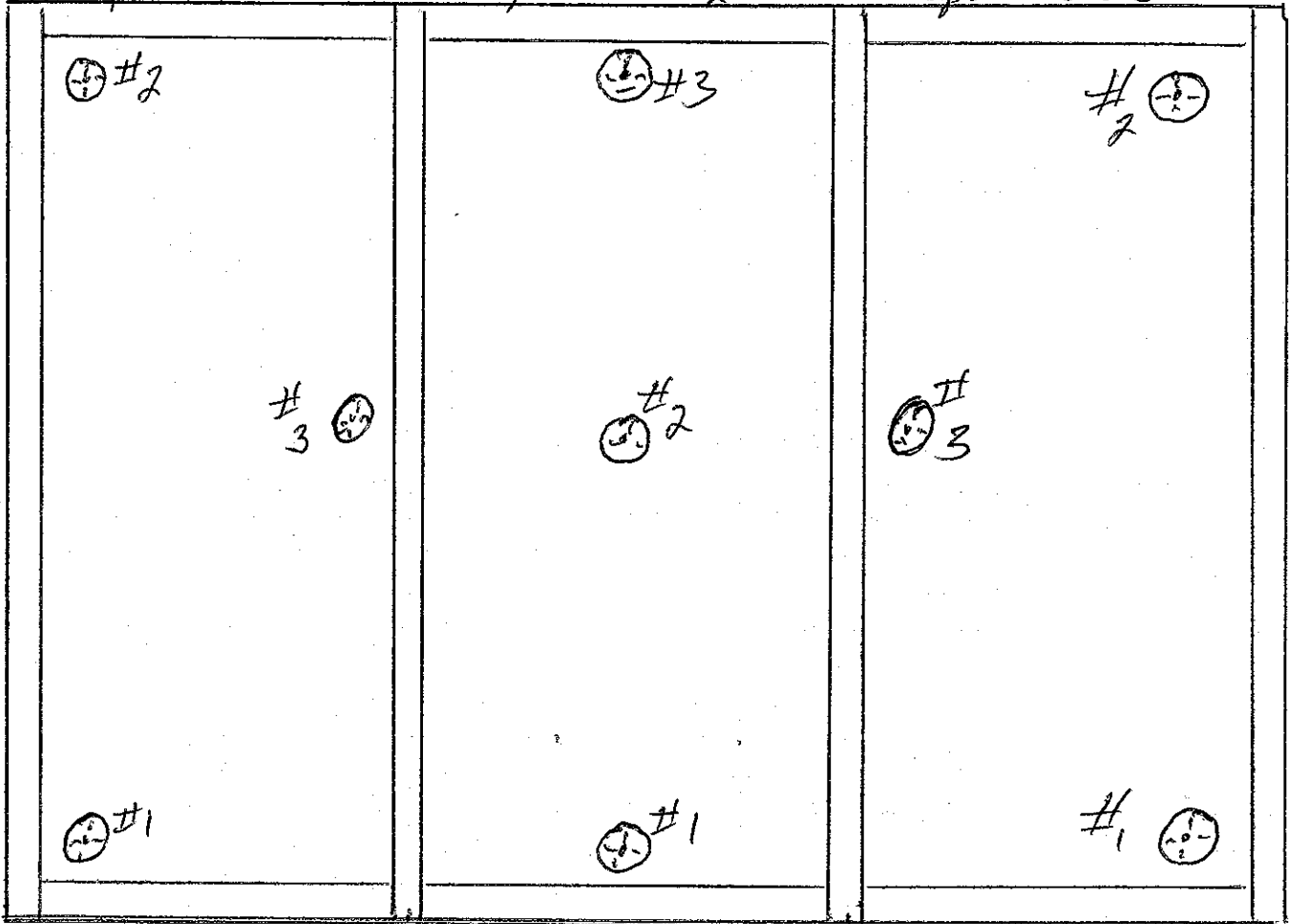
PROJECT NAME: CORAL ARCHITECTURAL Prod.

IMPACT LOCATION

Specimen 1

Specimen 2

Specimen 3





Architectural
Testing

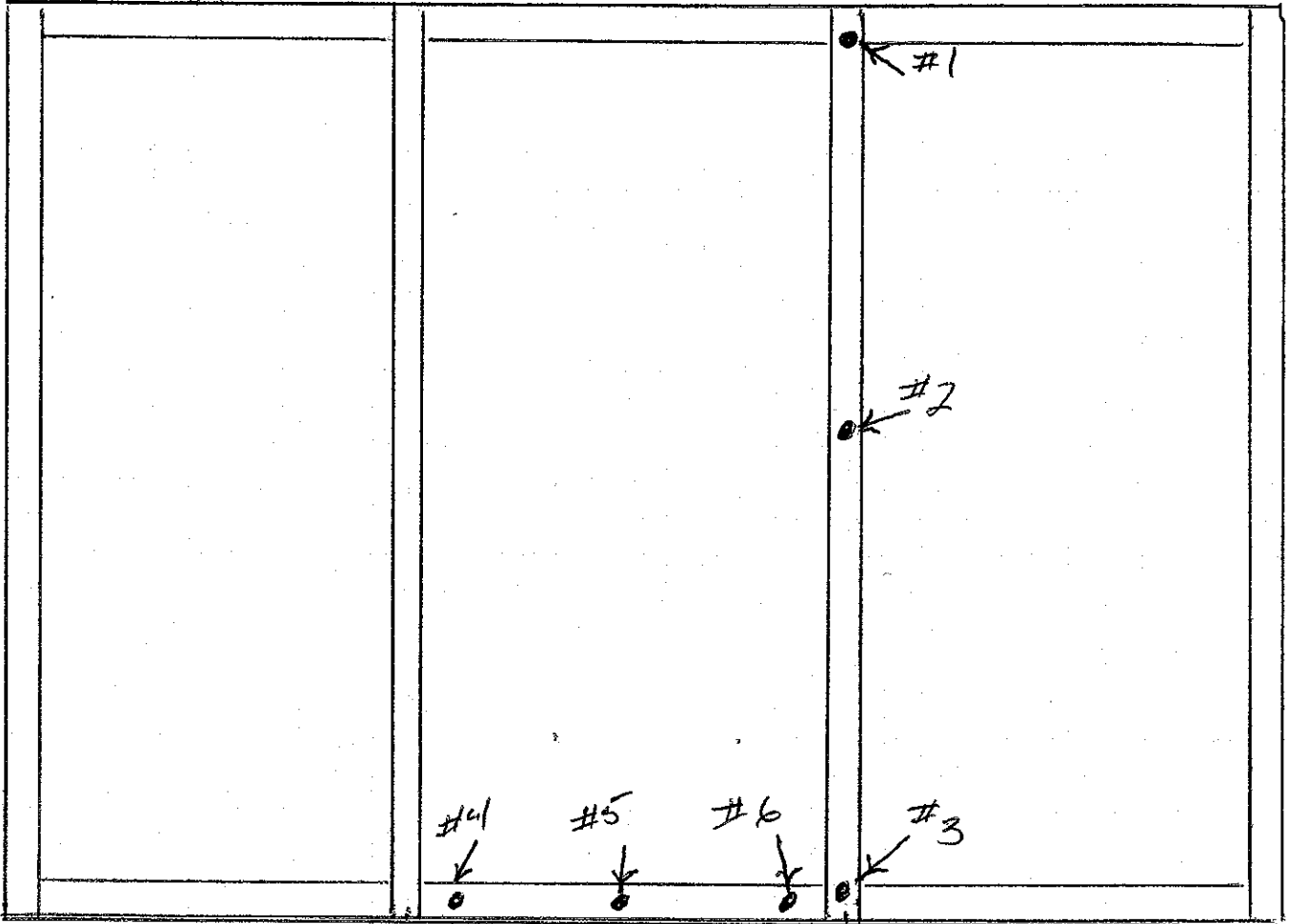
DATE: 8/13/13

BY: Jcm

PROJECT NO. C3787.02 SHEET 2 OF 2

PROJECT NAME: Coral Architectural Prod.

INDICATOR LOCATIONS





Architectural Testing

Test Report No.: C3787.02-401-18

Revision 1: 8/22/2013

Report Date: 8/21/2013

Appendix B

Drawings

TEST REPORT DRAWINGS FOR FL550T WINDOW WALL SYSTEM PROTOCOLS: TAS201/202/203

FOR USE IN HURRICANE ZONES REQUIRING LARGE & SMALL MISSILE IMPACT PROTECTION

INDEX TO DRAWINGS

- 1 INDEX TO DRAWINGS AND NOTES
- ~~2 FRAMING ELEVATIONS - E1 LARGE MISSILE~~
- 3 FRAMING ELEVATIONS - E2 SMALL MISSILE
- 4 FRAMING DETAILS
- 5 FRAMING DETAILS
- 6 BILL OF MATERIALS AND GLAZING SCHEDULE
- 7 DIE DRAWINGS



Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# C3787.02
Date 8/21/13 Tech Jem

ABBREVIATIONS:

- D.L.O. = DAY LIGHT OPENING
- D.O.H. = DOOR OPENING HEIGHT
- D.O.W. = DOOR OPENING WIDTH
- C.O.C. = CONCEALED OVERHEAD CLOSER

DATE		8/21/2013	
DRAWN	CHECKED	APPROVED	
MLF	WS	WS	
PROJECT NO.			
DRAWING NO.			
FL550T 01			
SHEET			
1 OF 7			

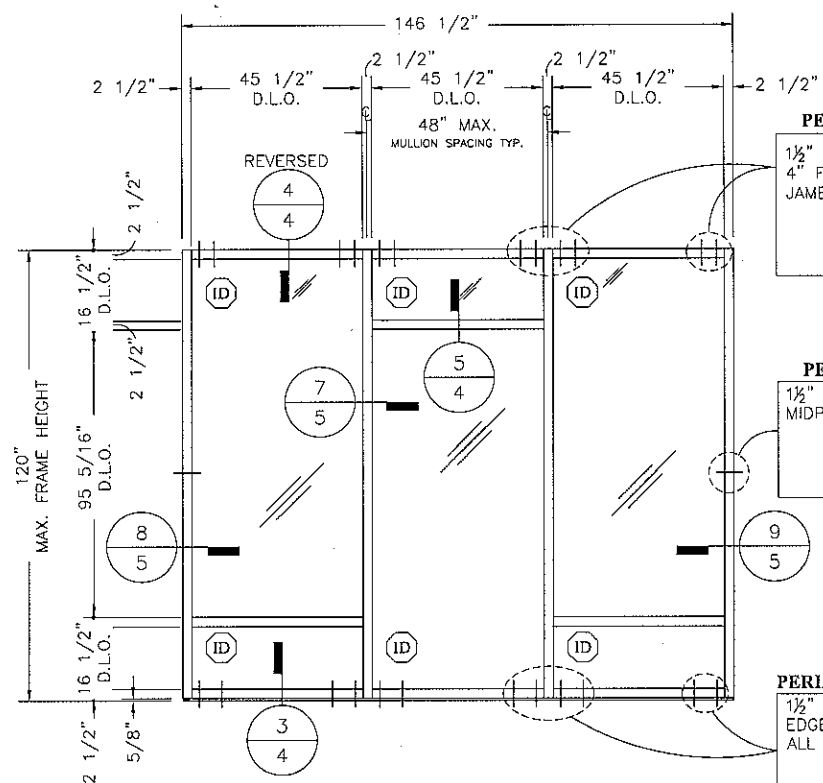
TEST REPORT DRAWINGS FOR
FL550T WINDOW WALL SYSTEM
PROTOCOLS: TAS201/202/203

INDEX TO DRAWINGS AND NOTES

Architectural Products
350 North Main Road, Tualatin, OR 97146
Phone: 503-726-2727 Fax: 503-726-2720

DESCRIPTION	REV	DATE

NOT USED



PERIMETER FASTENERS
 1 1/2" X #14 TEK SCREW 2" AND 4" FROM EDGE OF VERTICAL OR JAMB.

PERIMETER FASTENERS
 1 1/2" X #14 TEK SCREW AT MIDPOINT.

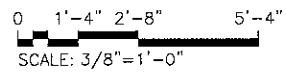
PERIMETER FASTENERS TO SUBSILL FL539T
 1 1/2" X #14 PHSMS 2" AND 4" FROM EDGE OF VERTICAL OR JAMB TYPICAL ALL LOCATIONS

FL539T SUB SILL IS ANCHORED AT 4" FROM EACH END AND 24" ON CENTER WITH 1 1/2" X #14 TEK SCREW

E1 - LARGE MISSILE

WEEP HOLES ON FACE OF FL539T 6 3/4" FROM EDGE OF JAMBS AND VERTICALS 1/4" IN DIAMETER

- TESTING:
AIR, WATER, STATIC, IMPACT, AND CYCLE
- MAX. ALLOWABLE DEFLECTION = 0.667"
- DESIGN PRESSURE = +/-55 PSF
- WATER TEST AT 15 PSF
- AIR @ 6.24 P.S.F.

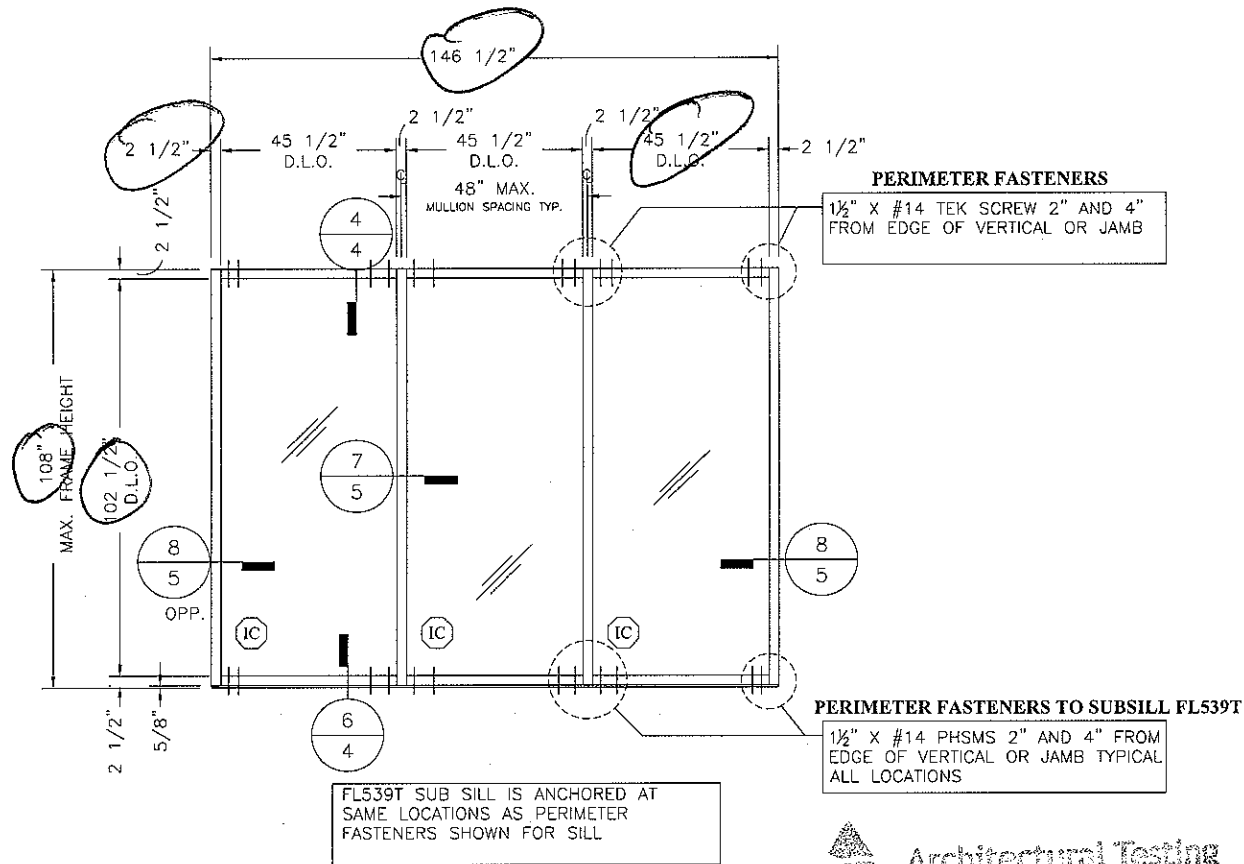


Test sample complies with these details. Deviations are noted.

Report# C3787.02
 Date 8/31/13 Tech JCM

TEST REPORT DRAWINGS FOR FL550T WINDOW WALL SYSTEM PROTOCOLS: TAS201/202/203 CENTER GLAZED IMPACT		FRAMING ELEVATIONS	
DATE	8/21/2013	DRAWN	ALF
CHECKED	WS	APPROVED	WS
PROJECT NO.		DRAWING NO.	FL550T_01
SHEET	2 OF 7		

Coral
 Architectural Products
 3316 FINE MEAT ROAD, THIBODOXA, LA 70408
 PHONE: 800-772-7727 FAX: 601-565-7280



E2 - SMALL MISSILE

Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# C3787.02

Date 8/21/13 by JCM

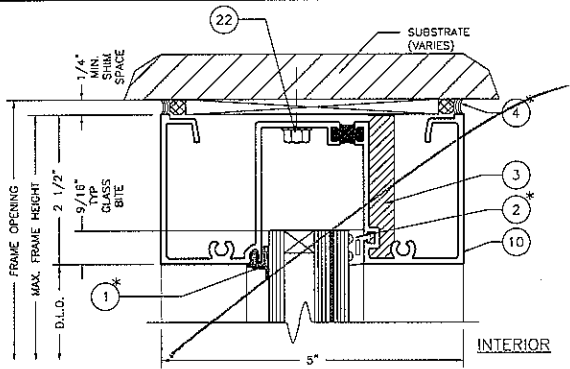
TEST REPORT DRAWINGS FOR FL550T WINDOW WALL SYSTEM PROTOCOLS: TAS201/202/203 CENTER GLAZED IMPACT		FRAMING ELEVATIONS	
DATE	8/21/2013	REVISED	DESCRIPTION
DRAWN	MLF	CHECKED	WS
APPROVED	WS	DATE	
PROJECT NO.		REV	BY
DRAWING NO.	FL550T_01	1	MLF
SHEET	3 OF 7	2	JAS
		1	PM
		1	KT
		1	BT

Coral

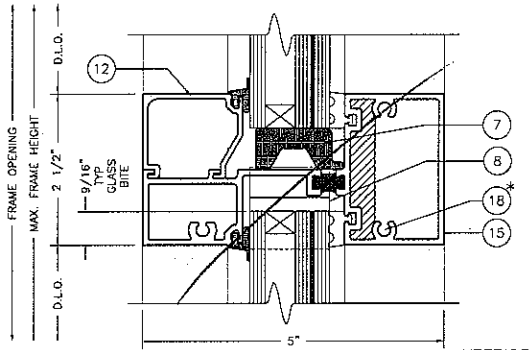
Architectural Products

3010 BRIE WINE ROAD, THIBODOXA, LA 70450

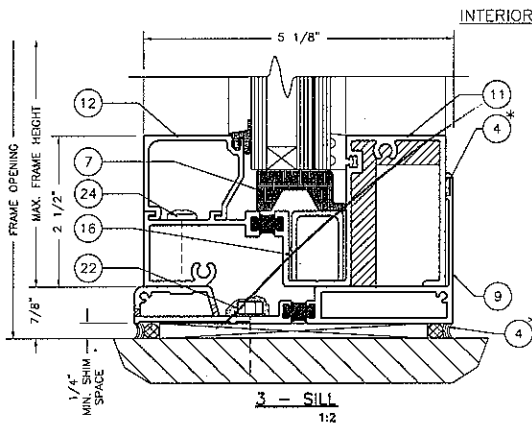
PHONE: 989-72-7272 FAX: 989-55-7220



1 - HEAD
1:2



2 - HORIZ. MULLION
1:2



3 - SILL
1:2

1* TYPICAL EXTERIOR GASKET

2* TYPICAL INTERIOR GASKET

3* TYPICAL @ ALL JOINT INTERSECTIONS

4* TYPICAL PERIMETER SEALANT

5* TYPICAL INTERIOR SEALANT @ GLASS

18* TYPICAL AT ALL SPLINES

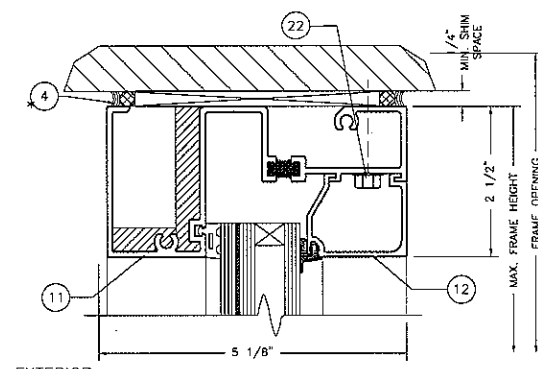


Architectural Testing

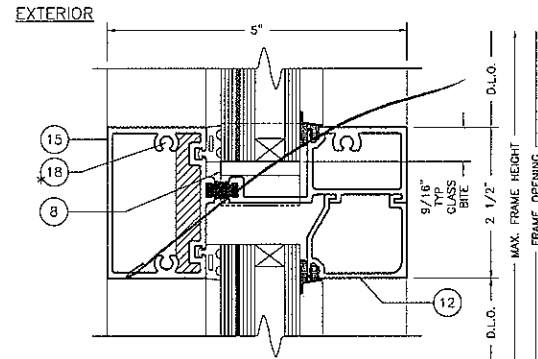
Test sample complies with these details.
Deviations are noted.

Report# C3787.02

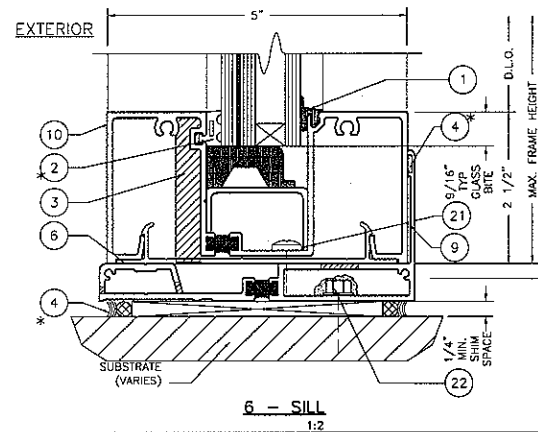
Date 8/21/13 Test JCM



EXTERIOR 4 - HEAD
1:2



EXTERIOR 5 - HORIZ. MULLION
1:2



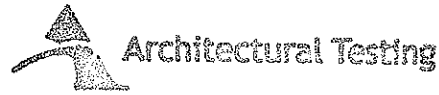
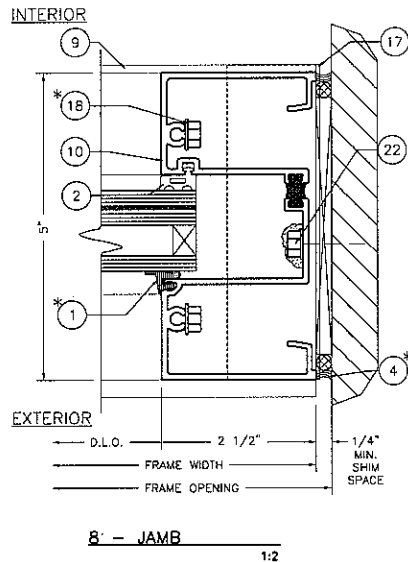
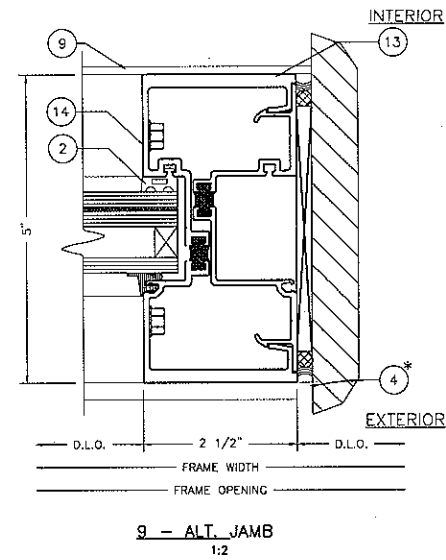
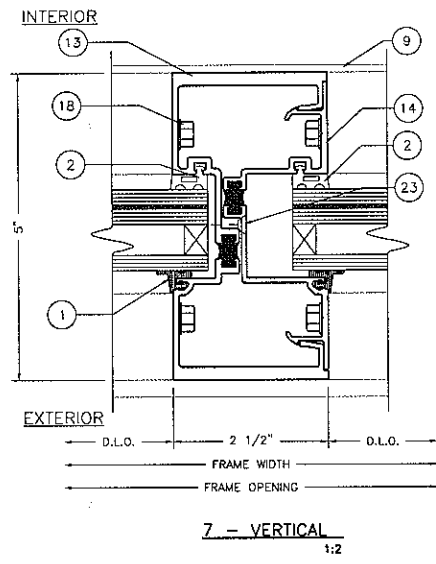
EXTERIOR 6 - SILL
1:2

NO.	DATE	BY	REV.	DESCRIPTION

Coral
Architectural Products
3010 RICHIE MANE ROAD, THUNDERBOLT, AL 36088
PHONE: 800-772-7727 FAX: 800-855-7320

TEST REPORT DRAWINGS FOR
FL550T WINDOW WALL SYSTEM
PROTOCOLS: TAS201/202/203
CENTER GLAZED IMPACT
FRAMING DETAILS

DATE	8/21/2013		
DRAWN	CHECKED	APPROVED	
MLF	WS	WS	
PROJECT NO.			
DRAWING NO.	FL550T_01		
SHEET	4 OF 7		



Test sample complies with these details.
Deviations are noted.

Report# C3787.02
Date 8/21/13 Tech SCW

Coral
Architectural Products
3013 RICE HURD ROAD, TUSCALOOSA, AL 35406
PHONE: 800-772-7177 FAX: 800-443-0381

TEST REPORT DRAWINGS FOR
FL550T WINDOW WALL SYSTEM
PROTOCOLS: TAS201/202/203
FRAMING DETAILS

DATE	8/20/2013	
DRAWN	CHECKED	APPROVED
###	WS	###
PROJECT NO.		
DRAWING NO.		
	FL550T 01	
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	
2	NG15	INTERIOR SPACER GASKET	0.250 SPACE	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 @ PERIMETER
5	995	SILICONE - GLASS TO METAL	FILL SPACE	SILICONE	DOW CORNING	GLASS TO METAL AND INTERNAL
6	FL515-1	FLAT FILLER	0.681 X 4.658 X 0.070	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
7	SB15	SETTING BLOCK @ SILL & HORIZONTAL	0.687 X 1.468 X 4.000	EPDM	VARIES	2 PER LIFE
8	WD360-1	WATER DIVERTER	1.358 X 1.344 X 4.000	INJECTION MOLDED PLASTIC	CORAL INDUSTRIES, INC.	@ EACH END OF HORIZONTAL
9	FL539T	SUBSILL FLASHING	2.620 X 5.402 X 0.084	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
10	FL571T	HEAD OR WALL JAMB	2.500 X 5.000 X 0.094	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
11	FL572T	SILL OR HEAD	2.500 X 4.980 X 0.094	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
12	FL553	GLASS STOP	1.250 X 1.646 X 0.078	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
13	FL574T	STD. VERTICAL MULLION	2.500 X 5.000 X 0.094	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
14	FL575T	OPEN BACK MULLION FILLER	0.681 X 4.670 X 0.080	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
15	FL576T	INTERMEDIATE HORIZONTAL	2.500 X 4.980 X 0.094	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
16	CS500-1	SETTING CHAIR	1.156 X 0.844 X 0.078	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
17	ED519-1	SILL FLASHING END DAM	2.500 X 1.000 X 0.062	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
18	AS16	FASTENER	#14 X 1" HHSTS	STEEL	VARIES	TYP. SPLINE SCREW VERTICAL/HORIZONTAL JOINTS
19	NOT USED					
20	AS21	FASTENER	#6 X 1/4" PPH	STEEL	VARIES	ANCHOR(1) (ED519-1) TO(2)(FL539T)
21	AS57	FASTENER	#12 X 1/2" PHPSMS	S. STEEL	VARIES	ANCHOR(1) FL571T TO (2) FL539T INSIDE SET ONLY
22	ANCHOR	FASTENER	#14 X 2" HH TEK SCREW	ZINC PLATED	VARIES	ANCHOR MISC PARTS TO SUBSTRATES
23	AS29	FASTENER	#8 X 2" FHPUC	S. STEEL	VARIES	ANCHOR(1) FL575T TO (2) FL574T COUNTER SINK AND BREAK OFF
24	AS59	FASTENER	#14 X 1 1/2" PHPSMS	ZINC PLATED	VARIES	ANCHOR (1) FL572T TO (2) FL539T

GLAZING SCHEDULE

GLASS DESCRIPTION	MANUFACTURER	GLASS MARK	MAXIMUM D.L.O. SIZE (INCHES)	SQUARE FEET	MAXIMUM DESIGN PRESSURE (PSF)
1-5/16" INSULATED -.25T X 1/2" AB AS X .25T X .090 SENTRY GLAS* X .25T	DUPONT	ID	45-1/2" X 96"	30.33	+/-55
1-5/16" INSULATED -.25T X 1/2" AB AS X .25T X .035 SENTRY GLAS* X .25T	DUPONT	IC	45-1/2" X 102-3/8"	32.35	+/-55

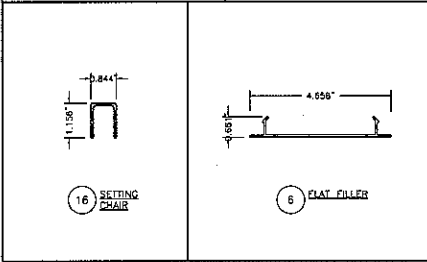
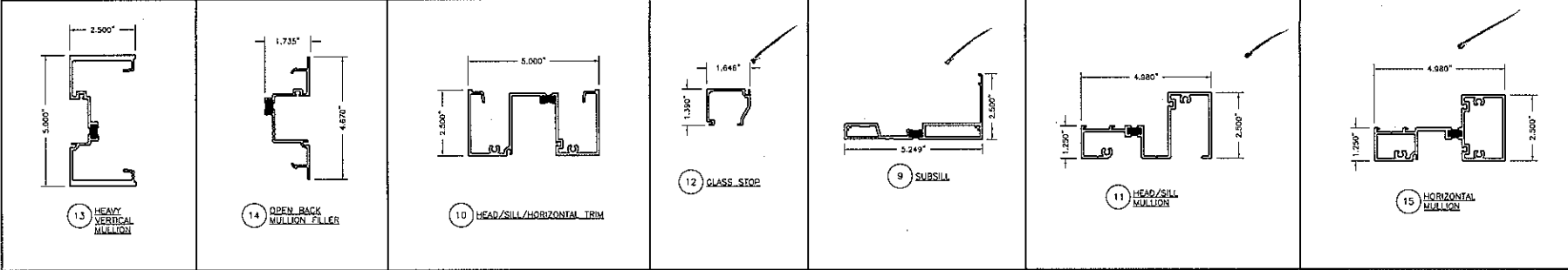


Architectural Testing

Test sample complies with these details.
Deviations exc. noted.

Report: C3787.02
Date: 8/21/13 By: Jcm

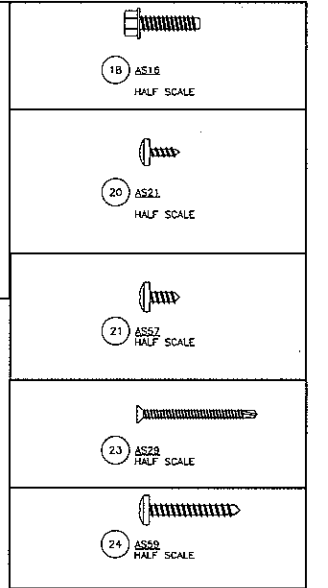
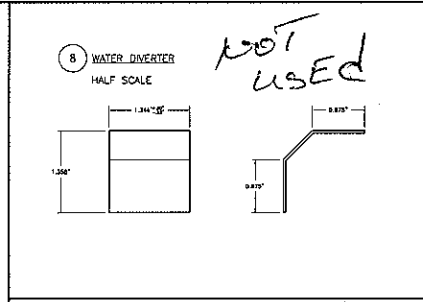
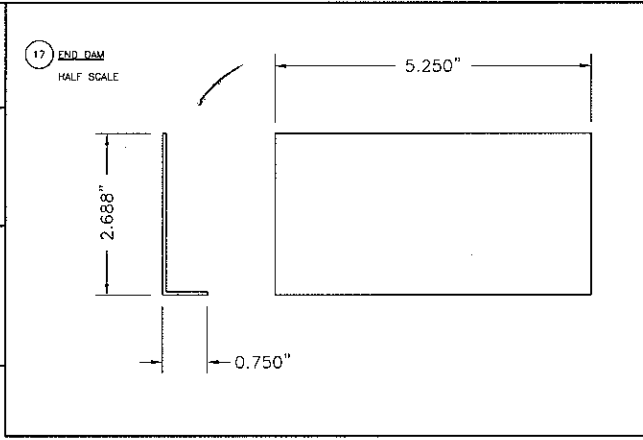
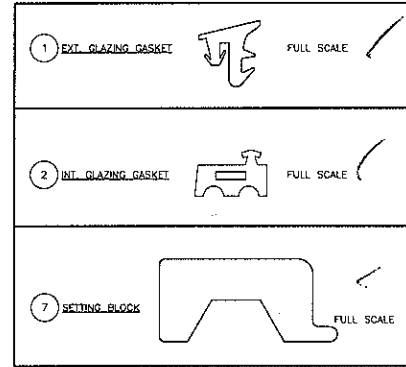
<p style="font-size: 8px; margin-top: 5px;">3510 HIGHWAY 100 ROAD, TUSCALOOSA, AL 35406 PHONE: 800-772-7797 FAX: 800-255-7330</p>	<p>TEST REPORT DRAWINGS FOR FL550T WINDOW WALL SYSTEM PROTOCOLS: TAS201/202/203 CENTER GLAZED IMPACT BILL OF MATERIALS AND GLAZING SCHEDULE</p>																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>DATE</td> <td>8/21/2013</td> </tr> <tr> <td>DRAWN</td> <td>MLF</td> </tr> <tr> <td>CHECKED</td> <td>WS</td> </tr> <tr> <td>APPROVED</td> <td>WS</td> </tr> <tr> <td>PROJECT NO.</td> <td></td> </tr> <tr> <td>DRAWING NO.</td> <td>FL550T_01</td> </tr> <tr> <td>SHEET</td> <td>6 OF 7</td> </tr> </table>	DATE	8/21/2013	DRAWN	MLF	CHECKED	WS	APPROVED	WS	PROJECT NO.		DRAWING NO.	FL550T_01	SHEET	6 OF 7	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">REV</td> <td style="width: 20%;">BY</td> <td style="width: 20%;">DATE</td> <td style="width: 40%;">DESCRIPTION</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	REV	BY	DATE	DESCRIPTION				
DATE	8/21/2013																						
DRAWN	MLF																						
CHECKED	WS																						
APPROVED	WS																						
PROJECT NO.																							
DRAWING NO.	FL550T_01																						
SHEET	6 OF 7																						
REV	BY	DATE	DESCRIPTION																				



Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# C3787.07
Date 8/21/13 By JCN



REV	BY	DATE

Coral
Architectural Products
3010 CACTUS WIRE ROAD, WILSON, CALIFORNIA 94094
PHONE: 909-372-7727 FAX: 909-443-8921

**TEST REPORT DRAWINGS FOR
FL550T WINDOW WALL SYSTEM
PROTOCOLS: TAS201/202/203
CENTER GLAZED IMPACT**

DIE DRAWINGS

DATE: 8/21/2013

DRAWN <i>MLF</i>	CHECKED <i>WS</i>	APPROVED <i>WS</i>
---------------------	----------------------	-----------------------

PROJECT NO. _____

DRAWING NO. **FL550T 01**

SHEET **7 OF 7**