Architectural Testing

AAMA 1503-09 THERMAL PERFORMANCE TEST REPORT

Rendered to:

CORAL ARCHITECTURAL PRODUCTS

SERIES/MODEL: FL300T Aluminum Storefront System
TYPE: Glazed Wall Systems (Site-built)

Summary of Results	
Thermal Transmittance (U-Factor)	0.40
Condensation Resistance Factor - Frame (CRF_f)	57
Condensation Resistance Factor - Glass (CRF_g)	65

Unit Size	78-7/8" x 79-1/8" (2004 mm x 2010 mm)
Layer 1	1/4" Clear Tempered
Gap 1	0.44" Gap, Super Spacer Standard (OF-S), Air-Filled*
Layer 2	1/4" AGC Comfort TiAC Low-E (e=0.040*, #3) Tempered

Reference must be made to Report No. A2424.02-116-46, dated 10/15/10 for complete test specimen description and data.

130 Derry Court
York, PA 17406-8405
phone: 717-764-7700
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www.archtest.com

Architectural Testing

AAMA 1503-09 THERMAL PERFORMANCE TEST REPORT

Rendered to:

CORAL ARCHITECTURAL PRODUCTS
3010 Rice Mine Road
Tuscaloosa , Alabama 35406

Report Number:	A2424.02-116-46
Test Date:	10/08/10
Report Date:	10/15/10
Test Record Retention Date:	10/08/14

Test Sample Identification:

Series/Model: FL300T Aluminum Storefront System

Type: Glazed Wall Systems (Site-built)

Test Sample Submitted by: Client

Test Procedure: The condensation resistance factor (CRF) and thermal transmittance (U) were determined in accordance with AAMA 1503-09, *Voluntary Test Method for Thermal Transmittance and Condensation Resistance of Windows, Doors and Glazed Wall Sections*

1. Average warm side ambient temperature 69.77 F
2. Average cold side ambient temperature -0.41 F
3. 15 mph dynamic wind applied to test specimen exterior.
4. 0.0" $\pm$0.04" static pressure drop across specimen.

Test Results Summary:

1. Condensation resistance factor - Frame (CRF_f) 57
   Condensation resistance factor - Glass (CRF_g) 65
2. Thermal transmittance due to conduction (U) 0.40
   (U-factors expressed in Btu/hr·ft^2·F)

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Test Sample Description:

CONSTRUCTION	**Frame**
Size (in.) Non-Standard	78-7/8 "x 79-1/8"
Daylight Opening (in.)	36-3/8" x 74-5/8" (x2)
CORNERS	Butt
Fasteners	Screws
Sealant	Yes
MATERIAL	AT (0.25")
Color Exterior	Head and Jambs (White), Center mullion and Sill (Green)
Finish Exterior	Paint
Color Interior	Head and Jambs (White), Center mullion and Sill (Green)
Finish Interior	Paint
GLAZING METHOD	Exterior pocket

Glazing Information:

Layer 1	1/4" Clear Tempered
Gap 1	0.44" Gap, Super Spacer Standard (OF-S), Air-Filled*
Layer 2	1/4" AGC Comfort TiAC Low-E (e=0.040*, #3) Tempered
Gas Fill Method	N/A*
Desiccant	Yes

**Stated per Client/Manufacturer*
NA Non-Applicable
See Description Table Abbreviations

Test Sample Description: (Continued)

COMPONENTS		
Type	**Quantity**	**Location**
WEATHERSTRIP		
EPDM compression gasket	1 Row	Interior glazing perimeter
EPDM wedge gasket	1 Row	Exterior glazing perimeter
HARDWARE		
Aluminum trim caps	2	Exterior sill
Aluminum (AT 0.25") sill receptor	1	Sill
DRAINAGE		
No visible weeps		

Test Duration:

1. The environmental systems were started at 19:11 hours, 10/07/10.

2. The thermal performance test results were derived from 02:10 hours, 10/08/10 to 06:10 hours, 10/08/10.

Condensation Resistance Factor (CRF):

The following information, condensed from the test data, was used to determine the condensation resistance factor:

T_h	=	Warm side ambient air temperature	69.77 F
T_c	=	Cold side ambient air temperature	-0.41 F
FT_p	=	Average of pre-specified frame temperatures (14)	40.54 F
FT_r	=	Average of roving thermocouples (4)	32.25 F
W	=	$[(FT_p - FT_r) / (FT_p - (T_c + 10))] \times 0.40$	0.107
FT	=	$FT_p(1-W) + W (FT_r)$ = Frame Temperature	39.65 F
GT	=	Glass Temperature	45.56 F
CRF_g	=	Condensation resistance factor – Glass	65
		$CRF_g = (GT - T_c) / (T_h - T_c) \times 100$	
CRF_f	=	Condensation resistance factor – Frame	57
		$CRF_f = (FT - T_c) / (T_h - T_c) \times 100$	

The CRF number was determined to be 57 (on the size as reported). When reviewing this test data, it should be noted that the frame temperature (FT) was colder than the glass temperature (GT) therefore controlling the CRF number. Refer to the 'CRF Report' page and the 'Thermocouple Location Diagram' page of this report.

Thermal Transmittance (U_c):

T_h	=	Average warm side ambient temperature	69.77	F
T_c	=	Average cold side ambient temperature	-0.41	F
P	=	Static pressure difference across test specimen 15 mph dynamic perpendicular wind at exterior	0.00	psf
Nominal sample area			43.35	ft^2
Total measured input to calorimeter			1292.56	Btu/hr
Calorimeter correction			63.59	Btu/hr
Net specimen heat loss			1228.98	Btu/hr
U	=	Thermal Transmittance	0.40	$Btu/hr \cdot ft^2 \cdot F$

Glazing Deflection (in.):

	Left Glazing	Right Glazing
Edge Gap Width	0.44	0.44
Estimated center gap width upon receipt of specimen in laboratory (after stabilization)	0.44	0.44
Center gap width at laboratory ambient conditions on day of testing	0.44	0.44
Center gap width at test conditions	0.41	0.41

The sample was inspected for the formation of frost or condensation, which may influence the surface temperature measurements. The sample showed no evidence of condensation/frost at the conclusion of the test.

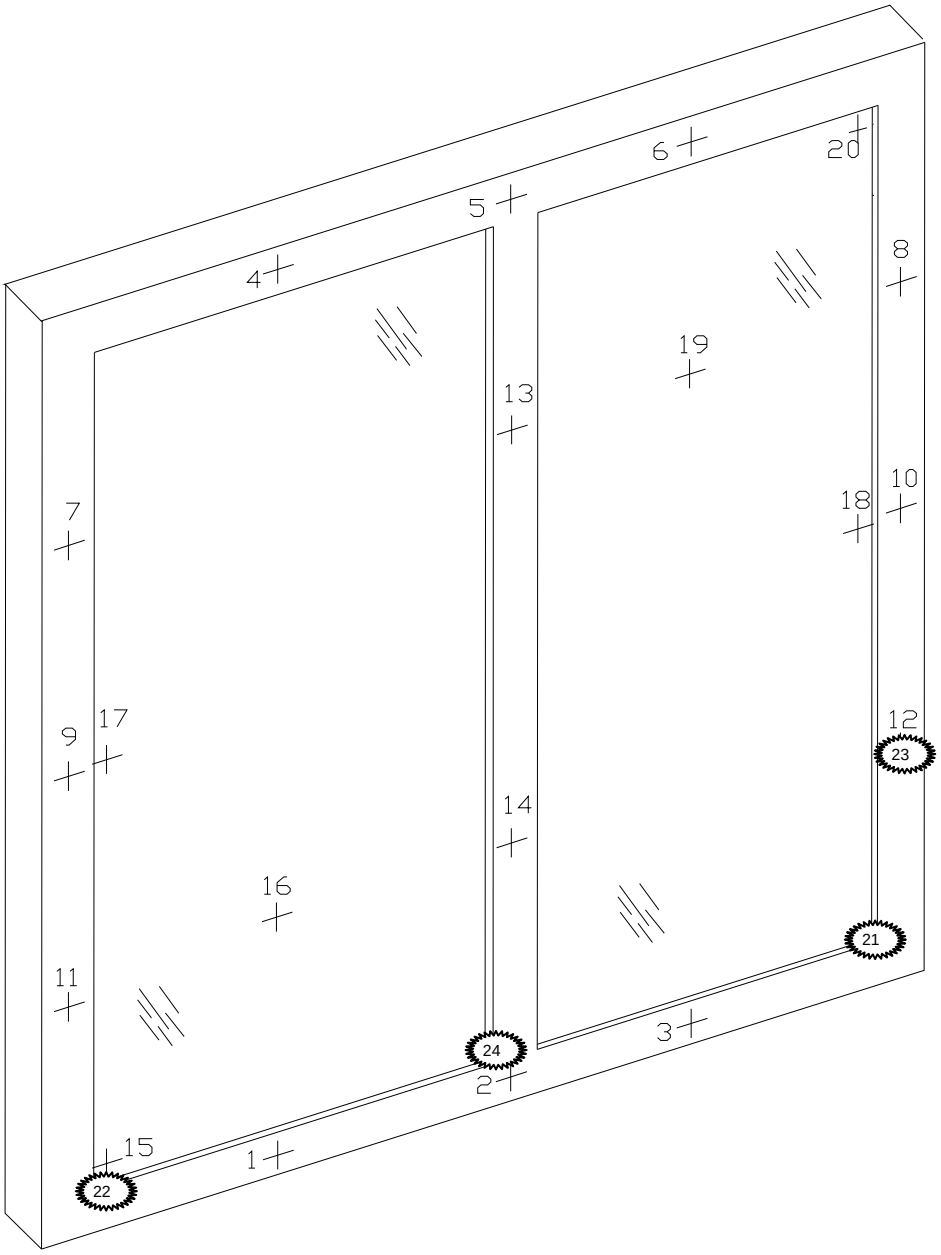
A calibration of the Architectural Testing Inc. 'thermal test chamber' (ICN 000001) in York, Pennsylvania was conducted in May 2010 in accordance with Architectural Testing Inc. calibration procedure.

Prior to testing the specimen was sealed with silicone on the interior side and checked for air infiltration per Section 9.3.4.

CRF Report

Time:	04:10	04:40	05:10	05:40	06:10	AVERAGE
Pre-specified Thermocouples - Frame						
1	36.77	36.75	36.78	36.76	36.76	36.76
2	36.61	36.63	36.61	36.66	36.64	36.63
3	36.73	36.72	36.74	36.76	36.71	36.73
4	46.65	46.64	46.74	46.68	46.76	46.69
5	45.37	45.37	45.43	45.40	45.43	45.40
6	46.99	47.00	47.04	47.05	47.02	47.02
7	44.67	44.80	44.75	44.78	44.81	44.76
8	44.57	44.63	44.63	44.73	44.61	44.63
9	40.85	40.84	40.85	40.88	40.90	40.87
10	40.86	40.87	40.90	40.88	40.87	40.87
11	33.97	33.98	33.99	33.99	33.98	33.98
12	33.36	33.36	33.36	33.36	33.31	33.35
13	44.36	44.38	44.40	44.43	44.42	44.40
14	35.50	35.50	35.45	35.48	35.47	35.48
FT_P	40.52	40.53	40.55	40.56	40.55	40.54
Pre-specified Thermocouples - Glass						
15	33.72	33.73	33.73	33.74	33.69	33.72
16	52.66	52.73	52.74	52.75	52.76	52.73
17	45.71	45.71	45.75	45.82	45.81	45.76
18	44.66	44.67	44.69	44.67	44.68	44.68
19	53.39	53.42	53.44	53.42	53.41	53.42
20	43.04	43.06	43.03	43.07	43.07	43.05
GT	45.53	45.55	45.56	45.58	45.57	45.56
Cold Point (Roving) Thermocouples						
21	30.20	30.20	30.20	30.20	30.20	30.20
22	32.00	32.00	32.00	32.00	32.00	32.00
23	33.30	33.30	33.30	33.30	33.30	33.30
24	33.50	33.50	33.50	33.50	33.50	33.50
FT_R	32.25	32.25	32.25	32.25	32.25	32.25
W	0.11	0.11	0.11	0.11	0.11	0.11
FT	39.63	39.65	39.66	39.67	39.66	39.65
Warm Side - Room Ambient Air Temperature						
	69.78	69.79	69.81	69.81	69.79	69.79
Cold Side - Room Ambient Air Temperature						
	-0.39	-0.42	-0.41	-0.42	-0.42	-0.41
CRF_f	57	57	57	57	57	57
CRF_g	65	65	65	66	66	65

Thermocouple Location Diagram



Cold Point Locations

21. 30.20
22. 32.00
23. 33.30
24. 33.50

Detailed drawings, data sheets, representative samples of test specimens, a copy of this report, or other pertinent project documentation will be retained by Architectural Testing, Inc. for a period of four years from the original test date. At the end of this retention period such materials shall be discarded without notice and the service life of this report by Architectural Testing will expire. Results obtained are tested values and were secured by using the designated test methods. 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.

Digitally Signed by: Benjamin W. Green

Benjamin W. Green
Technician

Digitally Signed by: Shon W. Einsig

Shon W. Einsig
Senior Technician
Individual-In-Responsible-Charge

BWG:ake
A2424.02-116-46

Attachments (pages): This report is complete only when all attachments listed are included.
Appendix-A: Description Table Abbreviations (1)
Appendix-B: Drawings (7)

Revision Log

Rev. #	Date	Page(s)	Revision(s)
.02R0	10/15/10	All	Original Report Issue. Work requested by David Welch of Coral Architectural Products

Appendix A: Description Table Abbreviations

CODE	Frame / Sash Types
AI	Aluminum w/ Vinyl Inserts (Caps)
AL	Aluminum
AP	Aluminum w/ Thermal Breaks - Partial
AS	Aluminum w/ Steel Reinforcement
AT	Aluminum w/ Thermal Breaks - All Members (≥ 0.21")
AU	Aluminum Thermally Improved - All Members (0.062" - 0.209")
AV	Aluminum / Vinyl Composite
AW	Aluminum-clad Wood
FG	Fiberglass
PA	ABS Plastic w/ All Members Reinforced
PC	ABS Plastic-clad Aluminum
PF	ABS Plastic w/ Foam-filled Insulation
PH	ABS Plastic w/ Horizontal Members Reinforced
PI	ABS Plastic w/ Reinforcement - Interlock
PL	ABS Plastic
PP	ABS Plastic w/ Reinforcement - Partial
PV	ABS Plastic w/ Vertical Members Reinforced
PW	ABS Plastic-clad Wood
ST	Steel
VA	Vinyl w/ All Members Reinforced
VC	Vinyl-clad Aluminum
VF	Vinyl w/ Foam-filled Insulation
VH	Vinyl w/ Horizontal Members Reinforced
VI	Vinyl w/ Reinforcement - Interlock
VP	Vinyl w/ Reinforcement - Partial
VV	Vinyl w/ Vertical Members Reinforced
VW	Vinyl-clad Wood
VY	Vinyl
WA	Aluminum / Wood composite
WD	Wood
WV	Vinyl / Wood composite
WF	Fiberglass/Wood Combination
WC	Composite/Wood Composite (Shaped vinyl/wood composite members)
CW	Copper Clad Wood
CO	Vinyl/Wood Composite Material

CODE	Spacer Types (See sealant)
A1	Aluminum
A2	Aluminum (Thermally-broken)
A3	Aluminum-reinforced Polymer
A4	Aluminum / Wood
A5	Aluminum-reinforced Butyl (Swiggle)
A6	Aluminum / Foam / Aluminum
A7	Aluminum U-shaped
A8	Aluminum-Butyl (Corrugated) (Duraseal)
ER	EPDM Reinforced Butyl
FG	Fiberglass
GL	Glass
OF	Organic Foam
P1	Duralite
PU	Polyurethane Foam
SU	Stainless Steel, U-shaped
CU	Coated Steel, U-shaped (Intercept)
S2	Steel (Thermally-broken)
S3	Steel / Foam / Steel
S5	Steel-reinforced Butyl
S6	Steel U-channel w/ Thermal Cap
SS	Stainless Steel
CS	Coated Steel
TP	Thermo-plastic
WD	Wood
ZE	Elastomeric Silicone Foam
ZF	Silicone Foam
ZS	Silicone / Steel
N	Not Applicable
TS	Thermo-plastic w/ stainless steel substrate

CODE	Tint Codes
AZ	Azurlite
BL	Blue
BZ	Bronze
CL	Clear
EV	Evergreen
GD	Gold
GR	Green
GY	Gray
LE	Low 'e' Coating
OT	Other (use comment field)
RC	Solar or Reflective Coating
RG	Roller Shades between glazing
RS	Silver (reflective coating)
SF	Suspended Polyester Film
SR	Silver
BG	Blinds between the Glazing
DV	Dynamic Glazing-Variable
DY	Dynamic Glazing-NonVariable

CODE	Gap Fill Codes
AIR	Air
AR2	Argon/Krypton Mixture
AR3	Argon / Krypton / Air
ARG	Argon/Air
CO2	Carbon Dioxide
KRY	Krypton/Air
SF6	Sulfur Hexaflouride
XE2	Xenon/Krypton/Air
XE3	Xenon/Argon/Air
XEN	Xenon/Air
N	Not Applicable

DOOR DETAILS	
N	Not Applicable
CODE	Door Type
EM	Embossed
FL	Flush
LF	Full Lite
LH	1/2 - Lite
LQ	1/4 - Lite
LT	3/4 - Lite
RP	Raised Panel
CODE	Skin
AL	Aluminum
FG	Fiberglass
GS	Galvanized Steel
ST	Steel
WD	Wood
VY	Vinyl
CODE	Panel
FG	Fiberglass
PL	Plastic
WP	Wood - Plywood
WS	Wood - Solid
CODE	Sub-Structure
GS	Galvanized Steel
ST	Steel
WD	Wood
VY	Vinyl
CODE	Core Fill
CH	Cellular - Honeycomb
EP	Expanded Polystyrene
PI	Polyisocyanurate
PU	Polyurethane
WP	Wood - Plywood
WS	Wood - Solid
XP	Extruded Polystyrene

CODE	Spacer Sealant
D	Dual Seal Spacer System
S	Single Seal Spacer System

CODE	Grid Description
N	No Muntins
G	Grids between glass
S	Simulated Divided Lites
T	True Muntins

CODE	Grid Size Codes
	Blank for no grids
0.75	Grids < 1"
1.5	Grids >= 1"

CODE	Thermal Breaks
F	Foam
U	Urethane
V	Vinyl
FB	Fiberglass
O	Other
AB	ABS
NE	Neoprene
AI	Air
N	Not Applicable
P	Polyamide

Appendix B: Drawings

THERMAL TEST REPORT DRAWINGS FOR FL300T FRAMING SYSTEM

INDEX TO DRAWINGS		
SHEET	1	INDEX TO DRAWINGS
SHEET	2	TYPICAL ELEVATION
SHEET	3	FRAMING DETAILS
SHEET	4	FRAMING DETAILS
SHEET	5	BILL OF MATERIALS

Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# A2184.01

Date 10/15/10 Tech BW/SS

ABBREVIATIONS:
D.L.O. = DAY LIGHT OPENING

REV	BY	DATE	DESCRIPTION
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THERMAL TEST REPORT DRAWINGS
FOR FL300T FRAMING SYSTEM

INDEX TO DRAWINGS

DATE 9/8/2008

DRAWN	CHECKED	APPROVED
RDM	DCW	DCW

PROJECT NO.
HLT THERMAL TEST

DRAWING NO.
FL300T_02

SHEET 1 OF 5

BILL OF MATERIALS

ITEM NO.	PART #	DESCRIPTION	DIMENSIONS	MATERIAL	MANUFACTURER	NOTES
1	NG1	GLAZING GASKET EXTERIOR/INTERIOR	.197 SPACE	EPDM	VARIES	EXTERIOR/INTERIOR @ GLASS
2	SB3	SETTING BLOCK AT INTERM. HORI/SILL	0.625 X 4.000 X 1.500	EPDM	VARIES	4" LONG
3	FL316T	HEAVY VERTICAL MULLION	2.000 X 4.000 X 0.190	6063-T6 ALUMINUM	VARIES	
4	WD300-1	WATER DEFLECTOR	1.358 X 1.500 X 0.040	INJECT ION MOLDED PLASTIC	CORAL	LOCATE ONE AT EACH END OF EACH ITEM #10
5	CS104T	FLAT FILLER	0.265 X 3.750 X 0.700	6036-T6 ALUMINUM	CORAL	
6	CS300T-1	ANCHOR CLIP	1.295 X 3.73 X 0.094	6063-T6 ALUMINUM	CORAL	4" LONG
7	ED339-1	END DAM	3.313 X 4.813 X 0.063	RIGID PVC	CORAL	
8	FL334T	VERTICAL MULLION/HEAD	2.000 X 4.500 X 0.070	6063-T6 ALUMINUM	CORAL	
9	FL325T	OPEN BACK MULLION FILLER - SHALLOW	0.852 X 3.750 X 0.062	6063-T6 ALUMINUM	CORAL	
10	FL326T	HORIZONTAL MULLION	2.000 X 4.460 X 0.062	6063-T6 ALUMINUM	CORAL	
11	FL303	GLASS STOP	1.207 X 1.543 X 0.050	6063-T6 ALUMINUM	CORAL	
12	FL322T	SILL/HEAD	2.000 X 4.460 X 0.070	6063-T6 ALUMINUM	CORAL	
13	FL339T	SUBSILL FLASHING	2.312 X 4.788 X 0.078	6063-T6 ALUMINUM	CORAL	
14	AS16	SPLINE ASSEMBLY SCREW	#14 X 1" HHSTS	STEEL	VARIES	TYPICAL SPLINE SCREW
15	AS21	ASSEMBLY SCREW	#6 X 1/4" PPH	STEEL	VARIES	
16	FASTENER	FOR ATTACHING FRAME TO STEEL SUBSTRATE	1/4" X 1 1/4" TEK	STEEL	VARIES	
17	795	SEALANT	FILL SPACE	SILICONE	DOW	PERIMETER SEALANT
18	995	SEALANT	FILL SPACE	SILICONE	DOW	INTERNAL SEALANT
19	SM5601	JOINT SEALANT TAPE	1/8" X 1/2" VARIES	BUTYL	SCHNEE-MOREHEAD	USED AT HORIZ. TO VERT. JOINT INTERSECTIONS

GLAZING SCHEDULE

GLASS MARK SYMBOL	GLASS TYPE	MANUFACTURER	MAXIMUM D.L.O. SIZE	MAXIMUM SQUARE FEET
(A)	⅛" TEMPERED OUTER SURFACE, ½" AIR SPACE, ⅛" TEMPERED INNER SURFACE	VARIES	48" x 48"	15.3

Architectural Testing

Test sample complies with these details. Deviations are noted.

Report# A2424.01

Date 10/15/10

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HTL TEST REPORT DRAWINGS FOR FL300T FRAMING SYSTEM

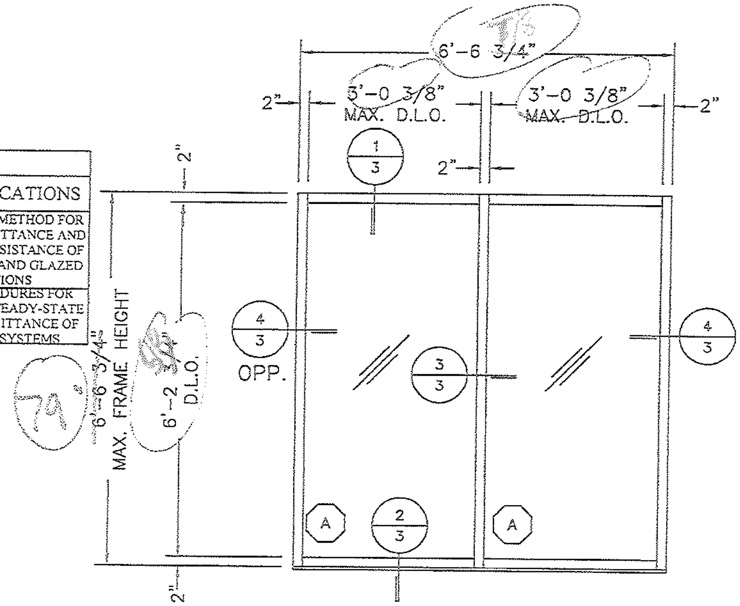
BILL OF MATERIALS

PRODUCT NO. HTL TEST

DRAWING NO. FL300T_02

SHEET 6 OF 6

SPECIMEN #1	
TEST METHOD	TEST SPECIFICATIONS
AAMA 1503-98	VOLUNTARY TEST METHOD FOR THERMAL TRANSMITTANCE AND CONDENSATION RESISTANCE OF WINDOWS, DOORS AND GLAZED WALL SECTIONS
NFRC 102-2004	NFRC TEST PROCEDURES FOR MEASURING THE STEADY-STATE THERMAL TRANSMITTANCE OF FENESTRATION SYSTEMS



E1 - LIGHT ALUMINUM MULLION EXTERIOR GLAZED

STEEL TEST BUCK

SCALE: 1/2"=1'-0"

Architectural Testing
Test sample complies with these details. Deviations are noted.
Report# A2424.01
Date 10/15/10 Tech RWG

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THERMAL TEST REPORT DRAWINGS FOR FL300T FRAMING SYSTEM

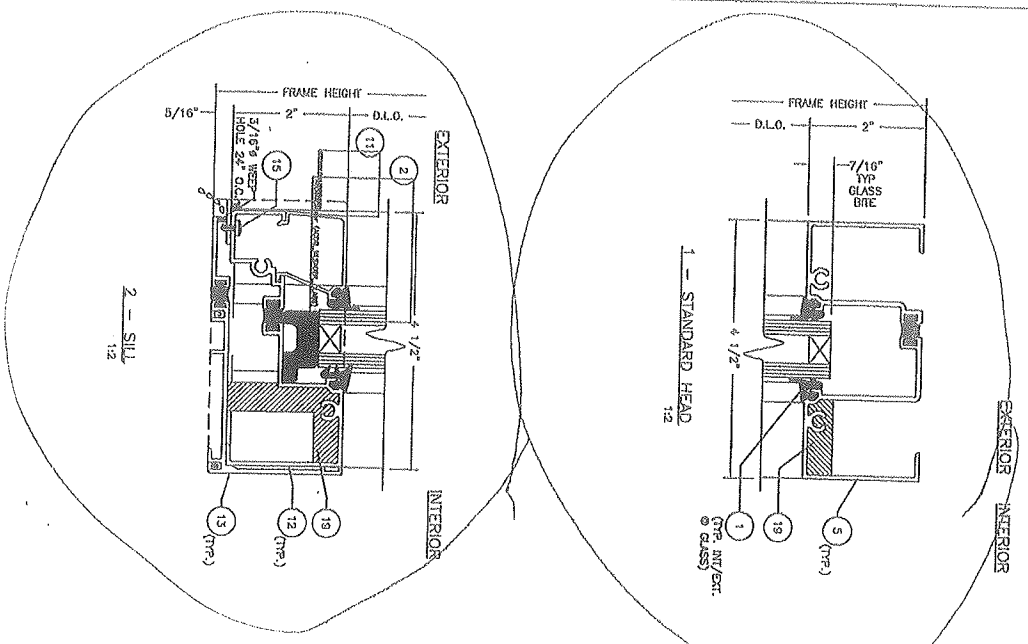
TYPICAL ELEVATION STANDARD MULLION

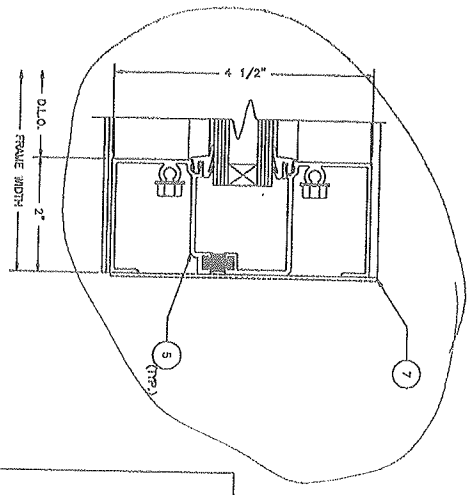
DATE 9/9/2008		
DRAWN RDM	CHECKED DCW	APPROVED DCW

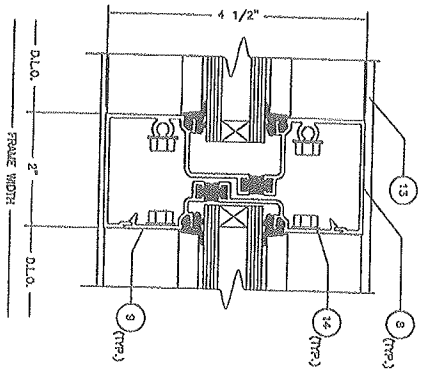
FL300T_02

SHEET 2 OF 5

REV	BY	DATE	DESCRIPTION







Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report/# A2424.01

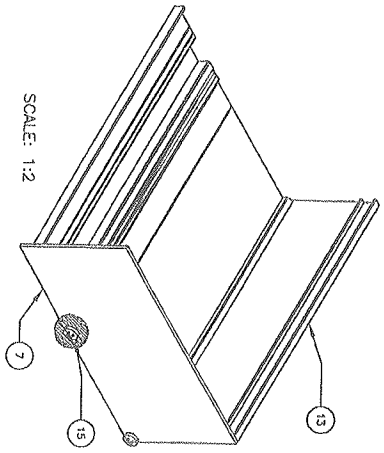
Date: 10/15/10 Tech RWG

SHEET 3 OF 5	FL300T_02	FILE THERMAL TEST	DRAWN RDW	DATE 9/9/2008	THERMAL TEST REPORT DRAWINGS FOR FL300T FRAMING SYSTEM
			CHECKED DLW		FRAMING DETAILS
			APPROVED DLW		S:\carol logos\CAP Logo.jpg

REV	BY	DATE	DESCRIPTION

TYPICAL END DAM AT FLASHING

SCALE: 1:2



Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# A9424.01

Date 10/15/10 Tech BW

SHEET 4 OF 5	DRAWING NO. FL300T_02	DRAWN ROM	DATE 9/9/2008	
		CHECKED DCW		
		APPROVED DCW		

THERMAL TEST REPORT DRAWINGS
FOR FL300T FRAMING SYSTEM

FRAMING DETAILS

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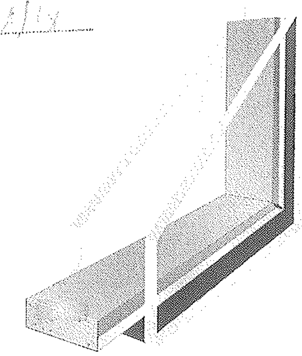
REV	BY	DATE	DESCRIPTION

Edgetech
BETWEEN YOU AND THE ELEMENTS.

Standard
Technical Specification

Architectural Testing
Test sample complies with these details.
Deviations are noted.
Report: [illegible]
Date: [illegible]

Super Spacer®



Super Spacer Standard is a flexible, organic foam spacer product that provides excellent perimeter insulation for sealed glazing units. Desiccant-filled with pre-applied side adhesive, the structural foam spacer significantly simplifies insulating glass production. Featuring a vapour barrier backing, the product must be used in combination with conventional IG sealants such as hot melt butyl, polyurethane or solvent-free polysulfide. Dual seal equivalent sealants may also be used (reference IG sealants Technical Bulletin RD0018).

Characteristics	Norm	Specification / Typical Value
Composition:	—	Foam EPDM (Ethylene Propylene Diene Monomer) base with desiccant pre-fill
Performance Characteristics: Thermal conductivity Colours Gas / Moisture vapour barrier Primary structural seal	 ASTM C518 — ASTM F1249 ASTM D3985	 0.162 W/mK Light Grey, Medium Grey, Black WVTR < 0.020 gm/m²/day Oxygen < 0.009 cc/m²/day Acrylic adhesive
Physical Characteristics: Density Specific Gravity Hardness	 ASTM D1056 ASTM D1056 ASTM D2240	 50 - 65 pcf 0.800 - 1.041 g/cm³ 88 shore 00
Dimensions:	—	Reference attached table
Desiccant fill	—	40% by weight
Intermittent temperature range	—	-40°C to 121°C / -40°F to 250°F
Compatible secondary sealants	—	HMB, PU, PS, DSE (Curable HMB) Reference IG sealants Technical Bulletin RD0018
Fogging	EN 1279 - 6 ASTM 774 HIGS 2190 CGSB 12.8	No fog in visual area No fog in visual area No fog in visual area No fog in visual area
Gas Retention	EN 1279 - 3	Pass
I.G. Durability	EN 1279 - 2 ASTM 773 CGSB 12.8	Pass Pass Pass

Standard

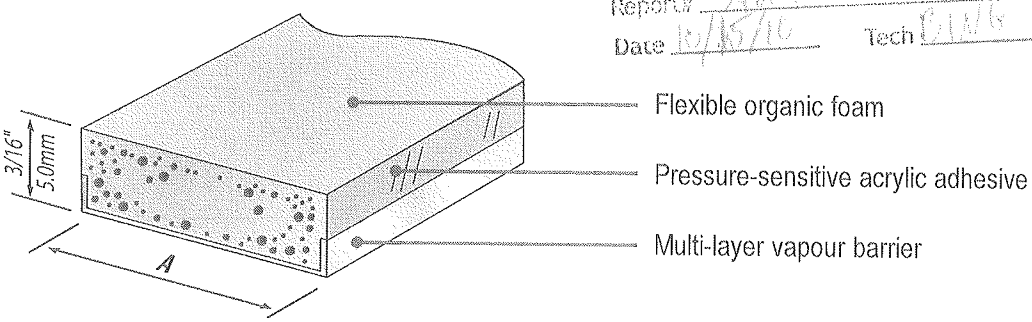
Technical Specification

Super Spacer®

Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# A2424.01
Date 10/15/10 Tech DWG



(A) Width mm	(A) Width inches	Meter/ Reel 3.281	Feet/ Reel	Meter/ Auto Reel	Feet/ Auto Reel
4.8	3/16	610	2000	N/A	N/A
6.4	1/4	457	1500	1372	4500
7.9	5/16	335	1100	1006	3300
9.5	3/8	305	1000	914	3000
11.1	7/16	274	900	823	2700
11.9	15/32	244	800	731	2400
12.7	1/2	244	800	731	2400
14.3	9/16	213	700	640	2100
15.9	5/8	206	675	617	2025
17.5	11/16	183	600	549	1800
19.1	3/4	175	575	526	1725
20	0.798	152	500	457	1500

Spacer Sizes

Super Spacer Standard is available in a standard 5mm (3/16") thickness and a full range of spacer widths from 4.8mm (3/16") to 20mm (.798").

Continuous Packaged Length

For regular insulating-glass production, Super Spacer Standard is supplied on reels with the continuous packaged length varying depending on the spacer width.

Protective Packaging

To provide desiccant protection, the reels are sealed in moisture-proof foil bags and then packaged in high-density polyethylene bags. These double-packaged reels are then shipped in recyclable cardboard boxes.

Desiccant Systems

Over 40% by spacer weight is desiccant material, and the low-deflection blend primarily consists of 3A molecular-sieve material.