

AAMA 507-12 THERMAL PERFORMANCE REPORT

Rendered to:

TORO ALUMINUM

SERIES/MODEL: Commdoor 225 Casement (Project In)

TYPE: Casement - Single

Report No: D1100.01-116-45
Report Date: 10/31/13

AAMA 507-12 THERMAL PERFORMANCE REPORT

Rendered to:

TORO ALUMINUM
330 Applewood Crescent
Concord, ON L4K 4V2

Report No: D1100.01-116-45
Report Date: 10/31/13
Simulation Date: 10/31/13

Project Summary:

Architectural Testing, Inc. was contracted by Toro Aluminum to provide U-Factor and Solar Heat Gain Coefficient thermal performance ratings on the Commdoor 225 Casement (Project In) Casement - Single. The thermal performance ratings were determined in accordance with AAMA 507-12, Standard Practice for Determining the Thermal Performance Characteristics of Fenestration Systems Installed in Commercial Building.

Reference Documents:

AAMA 507-12, Standard Practice for Determining the Thermal Performance Characteristics of Fenestration Systems Installed in Commercial Buildings

NFRC 100-2010, *Procedure for Determining Fenestration Product U-Factors*

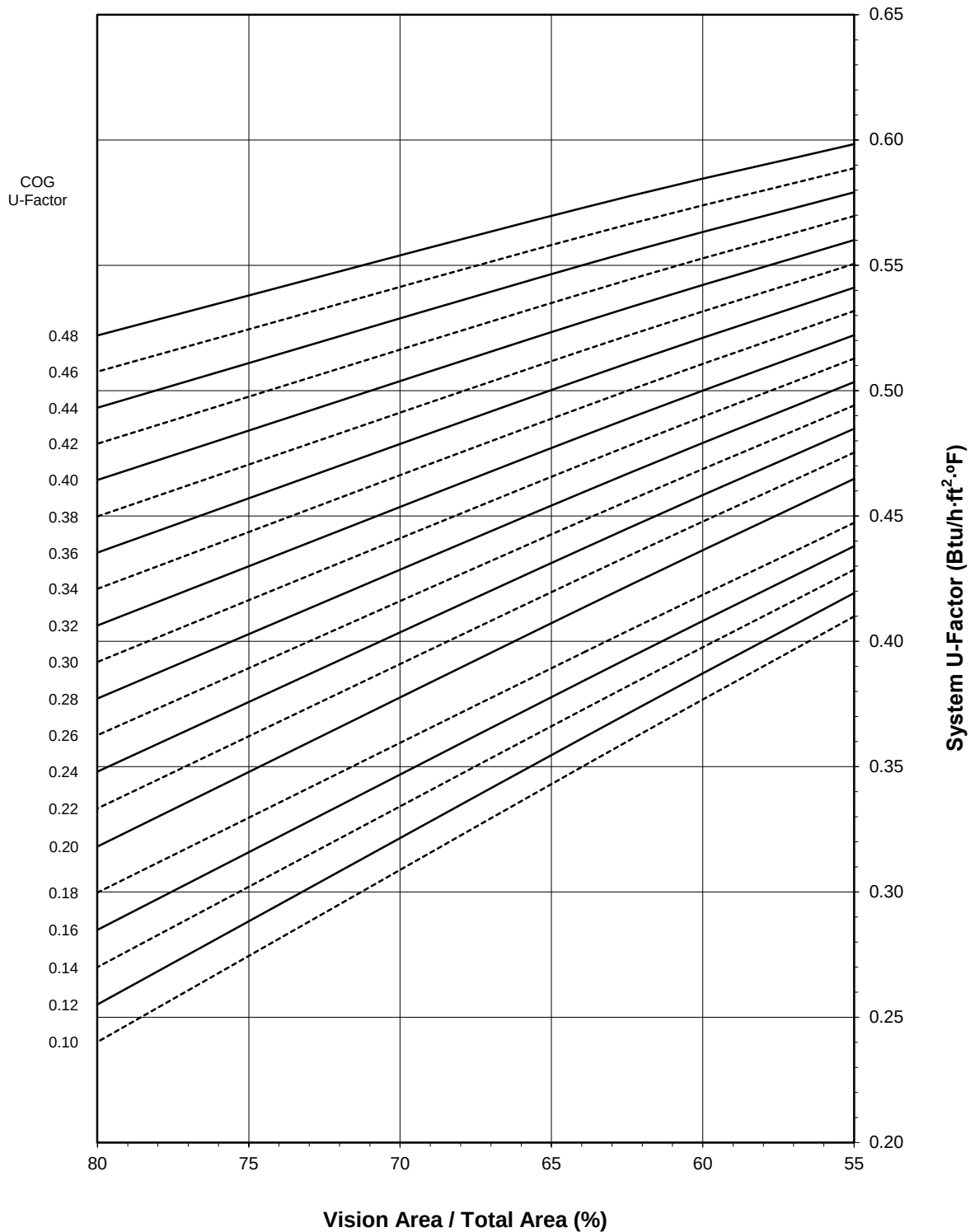
NFRC 200-2010, *Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence*

Simulation Specimen Description:

Series/Model:	Commdoor 225 Casement (Project In)
Type:	Casement - Single
Frame Material:	Aluminum Thermally Broken Framing System
Material Finish:	Painted Aluminum
Specimen Size:	600mm wide by 1500mm high (23-5/8" by 59-1/16")
Configuration:	Single vision lite
Drawing Reference:	Toro Drawing Series 225-Casement Window-Open In-Equal Leg, dated 6/12/13

Toro Aluminum
CommDoor 225 Casement (Project In) - Casement - Single

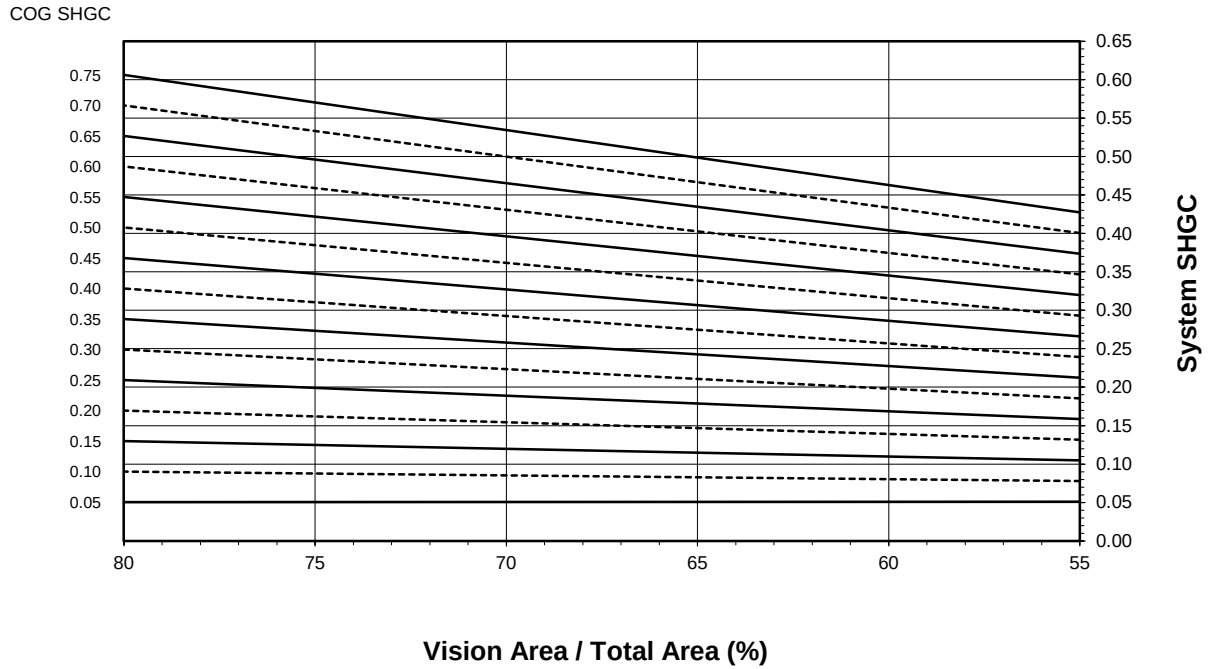
System U-Factor vs. Percentage of Vision Area



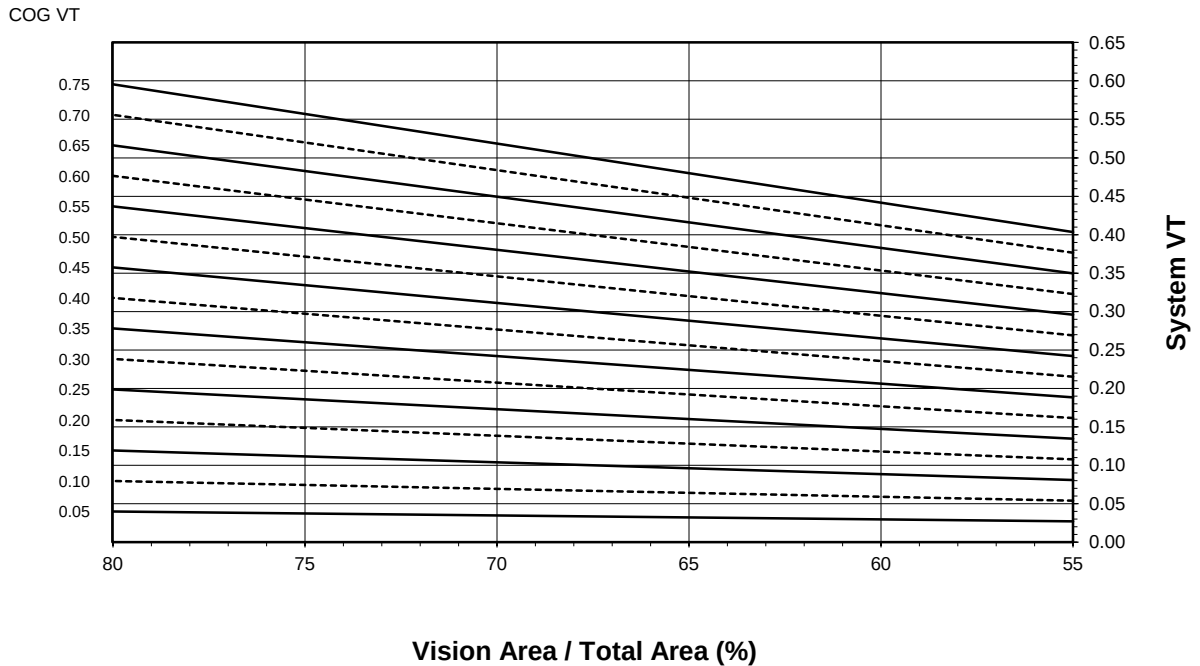
Note: 1 inch Overall - Dual Glazed Glass (0.48-0.20 COG) with Aluminum Spacer, Dual Glazed Glass with Heat Mirror (0.18-0.10 COG) with Aluminum Spacer

Toro Aluminum
Commdoor 225 Casement (Project In) - Casement - Single

System SHGC vs. Percentage of Vision Area



System VT vs. Percentage of Vision Area



Toro Aluminum
CommDoor 225 Casement (Project In) - Casement - Single

Size Specific U-Factor Matrix*

Glazing Option	Center of Glass U-Factor	Overall U-Factor
1	0.48	0.57
2	0.46	0.56
3	0.44	0.55
4	0.42	0.54
5	0.40	0.53
6	0.38	0.52
7	0.36	0.51
8	0.34	0.49
9	0.32	0.48
10	0.30	0.47
11	0.28	0.46
12	0.26	0.45
13	0.24	0.44
14	0.22	0.43
15	0.20	0.41
16	0.18	0.40
17	0.16	0.38
18	0.14	0.37
19	0.12	0.36
20	0.10	0.35

Note: 1 inch Overall - Dual Glazed Glass (0.48-0.20 COG) with Aluminum Spacer, Dual Glazed Glass with Heat Mirror (0.18-0.10 COG) with Aluminum Spacer

Toro Aluminum
CommDoor 225 Casement (Project In) - Casement - Single

Size Specific SHGC Matrix*

Center of Glass SHGC	Overall SHGC
0.75	0.49
0.70	0.46
0.65	0.43
0.60	0.40
0.55	0.37
0.50	0.33
0.45	0.30
0.40	0.27
0.35	0.24
0.30	0.21
0.25	0.18
0.20	0.15
0.15	0.11
0.10	0.08
0.05	0.05

Size Specific VT Matrix*

Center of Glass VT	Overall VT
0.75	0.47
0.70	0.44
0.65	0.41
0.60	0.38
0.55	0.35
0.50	0.31
0.45	0.28
0.40	0.25
0.35	0.22
0.30	0.19
0.25	0.16
0.20	0.13
0.15	0.09
0.10	0.06
0.05	0.03

*Size Specific U-Factor, SHGC, and VT Matrices are based on the standard Casement - Single specimen size of 600mm wide by 1500mm high (23-5/8" by 59-1/16"). This represents 63.9% Vision Area / Total Area.

Vision Area Data

Option No.	COG U-Factor	COG Temperature	Cross Section	Frame Height	Frame U-Factor	Edge U-Factor	Total Product U-Factor		
							55% Vision Area	NFRC 100-2010	80% Vision Area
							18.50" by 46.26"	23.62" by 59.06"	44.41" by 111.02"
1	0.48	43.7	Head	3.4148	0.7328	0.5060	0.5984	0.5732	0.5220
			L. Jamb	3.4148	0.7222	0.4998			
			R. Jamb	3.4148	0.7222	0.4998			
			Sill	3.4148	0.7382	0.5023			
2	0.46	44.8	Head	3.4148	0.7320	0.4919	0.5887	0.5618	0.5076
			L. Jamb	3.4148	0.7212	0.4854			
			R. Jamb	3.4148	0.7212	0.4854			
			Sill	3.4148	0.7373	0.4880			
3	0.44	45.8	Head	3.4148	0.7312	0.4778	0.5791	0.5504	0.4932
			L. Jamb	3.4148	0.7202	0.4711			
			R. Jamb	3.4148	0.7202	0.4711			
			Sill	3.4148	0.7363	0.4738			
4	0.42	46.8	Head	3.4148	0.7304	0.4641	0.5697	0.5391	0.4788
			L. Jamb	3.4148	0.7193	0.4572			
			R. Jamb	3.4148	0.7193	0.4572			
			Sill	3.4148	0.7354	0.4599			
5	0.40	47.9	Head	3.4148	0.7296	0.4501	0.5601	0.5277	0.4644
			L. Jamb	3.4148	0.7183	0.4430			
			R. Jamb	3.4148	0.7183	0.4430			
			Sill	3.4148	0.7345	0.4457			
6	0.38	48.9	Head	3.4148	0.7289	0.4364	0.5506	0.5163	0.4498
			L. Jamb	3.4148	0.7174	0.4291			
			R. Jamb	3.4148	0.7174	0.4291			
			Sill	3.4148	0.7337	0.4318			
7	0.36	50.0	Head	3.4148	0.7281	0.4226	0.5411	0.5050	0.4354
			L. Jamb	3.4148	0.7165	0.4151			
			R. Jamb	3.4148	0.7165	0.4151			
			Sill	3.4148	0.7329	0.4178			
8	0.34	51.0	Head	3.4148	0.7275	0.4091	0.5318	0.4938	0.4209
			L. Jamb	3.4148	0.7157	0.4014			
			R. Jamb	3.4148	0.7157	0.4014			
			Sill	3.4148	0.7321	0.4042			
9	0.32	52.0	Head	3.4148	0.7236	0.3951	0.5222	0.4823	0.4063
			L. Jamb	3.4148	0.7149	0.3876			
			R. Jamb	3.4148	0.7149	0.3876			
			Sill	3.4148	0.7313	0.3904			
10	0.30	53.1	Head	3.4148	0.7229	0.3817	0.5128	0.4711	0.3917
			L. Jamb	3.4148	0.7140	0.3740			
			R. Jamb	3.4148	0.7140	0.3740			
			Sill	3.4148	0.7305	0.3769			

Vision Area Data

Option No.	COG U-Factor	COG Temperature	Cross Section	Frame Height	Frame U-Factor	Edge U-Factor	Total Product U-Factor		
							55% Vision Area	NFRC 100-2010	80% Vision Area
							18.50" by 46.26"	23.62" by 59.06"	44.41" by 111.02"
11	0.28	54.2	Head	3.4148	0.7223	0.3682	0.5035	0.4598	0.3772
			L. Jamb	3.4148	0.7132	0.3604			
			R. Jamb	3.4148	0.7132	0.3604			
			Sill	3.4148	0.7298	0.3633			
12	0.26	55.2	Head	3.4148	0.7217	0.3549	0.4941	0.4486	0.3625
			L. Jamb	3.4148	0.7124	0.3468			
			R. Jamb	3.4148	0.7124	0.3468			
			Sill	3.4148	0.7290	0.3498			
13	0.24	56.3	Head	3.4148	0.7210	0.3416	0.4848	0.4374	0.3480
			L. Jamb	3.4148	0.7117	0.3334			
			R. Jamb	3.4148	0.7117	0.3334			
			Sill	3.4148	0.7283	0.3363			
14	0.22	57.3	Head	3.4148	0.7205	0.3282	0.4753	0.4260	0.3333
			L. Jamb	3.4148	0.7110	0.3198			
			R. Jamb	3.4148	0.7110	0.3198			
			Sill	3.4148	0.7240	0.3229			
15	0.20	58.4	Head	3.4148	0.7199	0.3150	0.4648	0.4139	0.3181
			L. Jamb	3.4148	0.7066	0.3065			
			R. Jamb	3.4148	0.7066	0.3065			
			Sill	3.4148	0.7234	0.3095			
16	0.18	59.5	Head	3.4148	0.7070	0.2922	0.4473	0.3959	0.2998
			L. Jamb	3.4148	0.6928	0.2847			
			R. Jamb	3.4148	0.6928	0.2847			
			Sill	3.4148	0.7100	0.2877			
17	0.16	60.6	Head	3.4148	0.7064	0.2790	0.4380	0.3846	0.2849
			L. Jamb	3.4148	0.6920	0.2713			
			R. Jamb	3.4148	0.6920	0.2713			
			Sill	3.4148	0.7092	0.2744			
18	0.14	61.7	Head	3.4148	0.7061	0.2647	0.4286	0.3733	0.2700
			L. Jamb	3.4148	0.6915	0.2568			
			R. Jamb	3.4148	0.6915	0.2568			
			Sill	3.4148	0.7089	0.2600			
19	0.12	62.8	Head	3.4148	0.7055	0.2513	0.4193	0.3620	0.2551
			L. Jamb	3.4148	0.6908	0.2435			
			R. Jamb	3.4148	0.6908	0.2435			
			Sill	3.4148	0.7082	0.2465			
20	0.10	63.9	Head	3.4148	0.7050	0.2379	0.4100	0.3507	0.2402
			L. Jamb	3.4148	0.6901	0.2299			
			R. Jamb	3.4148	0.6901	0.2299			
			Sill	3.4148	0.7075	0.2329			

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. The test record retention end date for this report is October 31, 2017.

Results obtained are simulated 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 product simulated. This report may not be reproduced, except in full, without the written approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC.:

SIMULATED BY:

REVIEWED BY:

Kristen L. Livelsberger
Senior Simulation Technician

Kevin S. Louder
Project Engineer

KLL:KLL
D1100.01-116-45

Attachments (pages): This report is complete only when all attachments listed are included.
Appendix A: Drawings and Bills of Material (16)

Revision Log

<u>Rev. #</u>	<u>Date</u>	<u>Page(s)</u>	<u>Revision(s)</u>
.01R0	10/31/13	All	Original Report Issued to Toro Aluminum

All drawings and Bills of Material used in simulating this product are enclosed in this Appendix.

Appendix A

D1100.01-116-45

*NOTE: SEE BILL OF MATERIAL ON PAGE BM
FOR TAG SPECS.

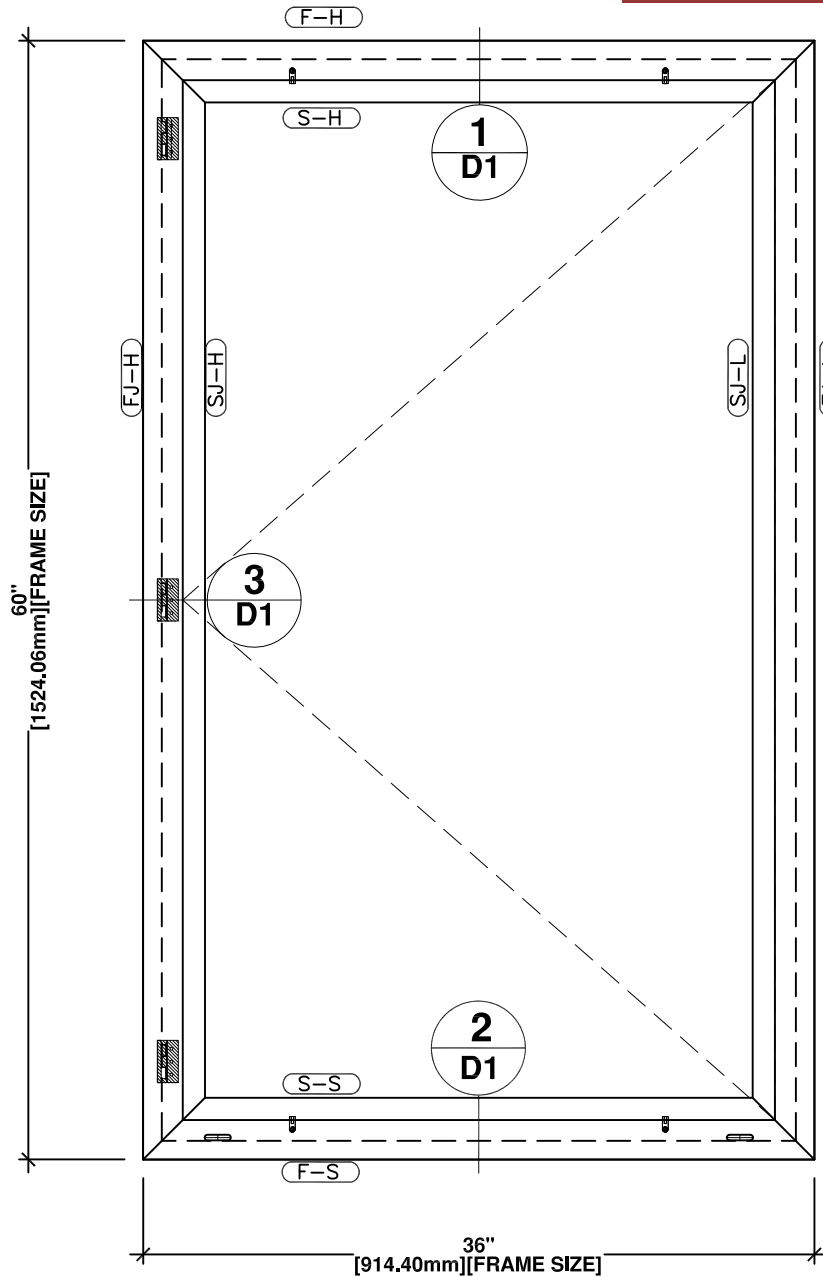


Architectural Testing

Report #: D1100-116-45

Date: 10/31/13

Verified by: *Kristen R. Luedtke*



GLASS SPECIFICATIONS

Name	Type	Description
	S/U	Internal Glass: 6mm Clear, SNX 62/27 on #2
		Spacer: 13mm Argon, TS-D spacer
		External Glass: 6mm Clear with Is20 on #4, inboard is heat treated

GLASS DIM.:

30 1/4"[768.35mm] X 54 1/4"[1377.95mm] ¹

SAMPLE 520

¹ Changed sett. blk. & glass dim. FO 08/21/13

COMMDOOR ALUMINUM
A member of the Toro Aluminum Group of Companies
421 Applewood Crescent Tel: (416) 743-DOOR (3667)
Concord, Ontario Fax: (416) 746-0979
Canada, L4K 4J3 E-mail: info@commdooraluminum.com
Website: www.commdooraluminum.com

REV	DESCRIPTION	DATE	BY	TITLE:
¹				SAMPLE 520
				Series 225-CASEMENT
				WINDOW-OPEN IN
				RHI-EQUAL LEG
				THERMAL

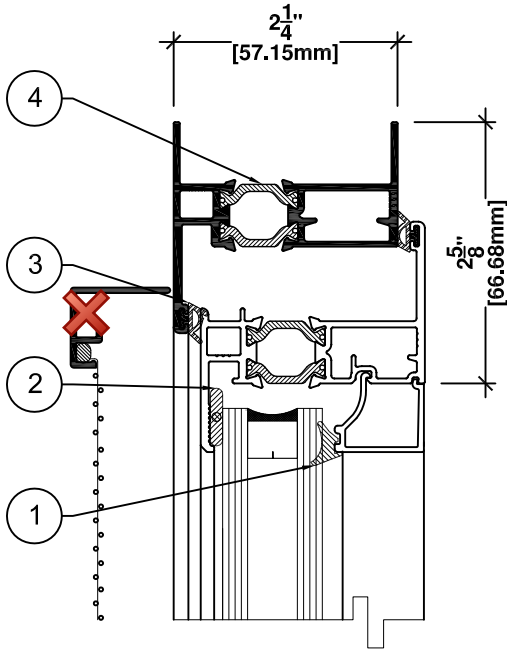
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DATE:	06/12/13
DRWG #:	E1



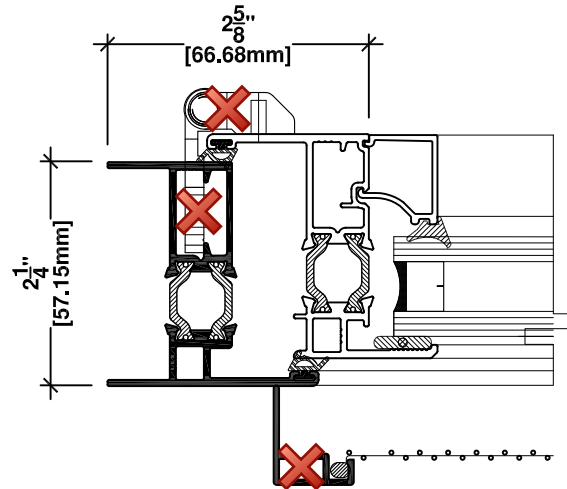
Architectural Testing

Report #: D1100-116-45

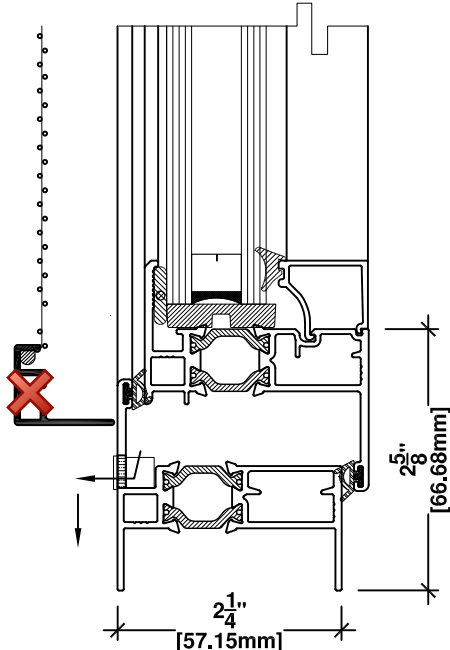
Date: 10/31/13

Verified by: *Kristen R. Swetsberger*

1
D1
**SERIES 225
HEAD DETAIL**



3
D1
**SERIES 225
JAMB DETAIL**



2
D1
**SERIES 225
SILL DETAIL**



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E-mail: info@commdooraluminum.com

Website: www.commdooraluminum.com

REV	DESCRIPTION	DATE	BY	TITLE:
△				SERIES 225-CASEMENT WINDOW-OPEN IN EQUAL LEG

SCALE:	1:10
DRAWN BY:	FO
DATE:	06/12/13
DRWG #:	D1

BILL OF MATERIAL-ALUMINUM					
DIAGRAM	TAG	ITEM	DESCRIPTION	QTY	LENGTH
	—	0225-713	SASH PERIMETER — —	2	34"
	—	0225-713	SASH PERIMETER — —	2	58"
	—	0225-706	FRAME PERIMETER —	2	36"
	—	0225-706	FRAME PERIMETER — —	2	60"
	—	0225-022	1" S/U STOP GLASS — —	2	30 11/16"
	—	0225-022	1" S/U STOP GLASS — —	2	53 5/16"
	—	0211-011	SCREEN EXTRUSION OPEN IN —	2	56 3/8"
	—	0211-011	SCREEN EXTRUSION OPEN IN —	2	32 3/8"

BILL OF MATERIAL-ACCESORIES					
DIAGRAM	TAG	ITEM	DESCRIPTION	QTY	LENGTH
	—	9904-001	1/8" POLISHYM TAPE — —	—	17'
	—	9903-131	1/8" GLAZING WEDGE — —	—	17'
	—	9903-151	VENT GASKET — —		34'
			HINGE — —	3	
	211-938		CAM HANDLE — —	2	
	211-940		LOCK KEEPER — —	2	
	211-941		GASKET — —	2	
	9906-600		PLASTIC DRAINAGE — —	2	

	Report #:	D1100-116-45
	Date:	10/31/13
	Verified by:	<i>Kristen R. Friedberger</i>



REV	DESCRIPTION	DATE	BY	COMMENTS	TITLE: SERIES 225 CASEMENT WINDOW OPEN IN EQUAL LEG	SCALE:	
						DRAWN BY:	FO
						DATE:	06/12/13
						DRWG #:	

DIAGRAM		DESCRIPTION	DIAGRAM		DESCRIPTION
PART NUMBER: 0225-713	☐	SASH PERIMETER-OPEN IN	PART NUMBER:	☐	
					
PART NUMBER: 0225-706	☐	FRAME PERIMETER-OPEN IN	PART NUMBER:	☐	
					
PART NUMBER: 0225-022	☐	1" S/U STOP GLASS	PART NUMBER:	☐	
					
PART NUMBER: 0211-011	☐	SCREEN EXTRUSION OPEN IN	PART NUMBER:	☐	
					
PART NUMBER: 9903-131	1	1/8" GLAZING WEDGE	PART NUMBER:	☐	
					
PART NUMBER: 9904-001	2	POLYSHIM TAPE	PART NUMBER:	☐	
					
PART NUMBER: 9903-151	3	VENT GASKET	PART NUMBER:	☐	
					
PART NUMBER: 9906-073	4	THERMAL BREAK	PART NUMBER:	☐	
					
PART NUMBER:	☐		PART NUMBER:	☐	
 Report #: D1100-116-45 Date: 10/31/13 Verified by: <i>Quinton R. Friedlsberger</i>					

REV	DESCRIPTION	DATE	BY	TITLE:	SCALE:	NTS
				SERIES 225-CASEMENT WINDOW-OPEN IN	DRAWN BY:	FO
					DATE:	06/12/13
					DRWG #:	L1

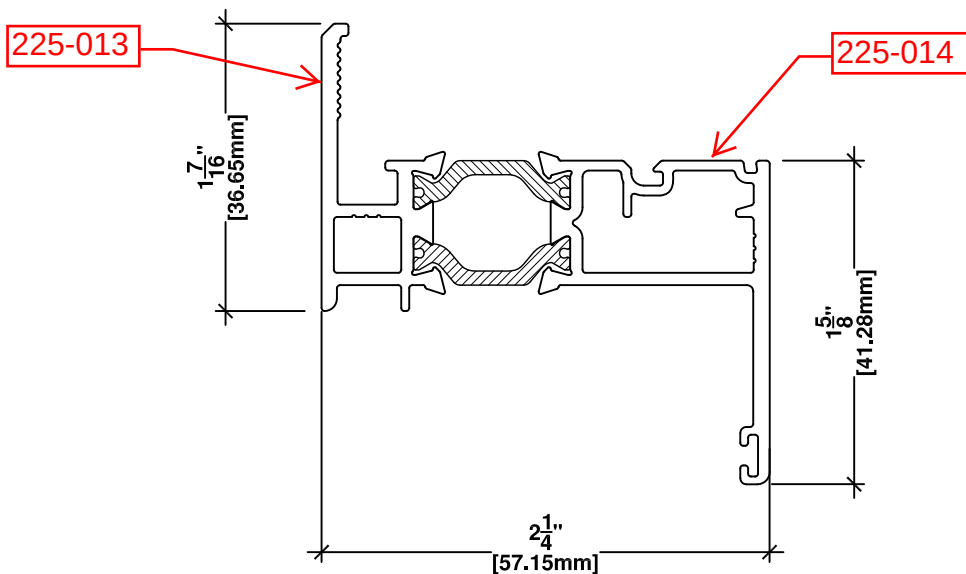


Architectural Testing

Report #: D1100-116-45

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Verified by: *Kristen S. Friedberger*



MATERIAL: PAINTED or ANODIZED ALUMINUM



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421 Applewood Crescent Tel: (416) 743-DOOR (3667)

Concord, Ontario

Fax: (416) 746-0979

Canada, L4K 4J3

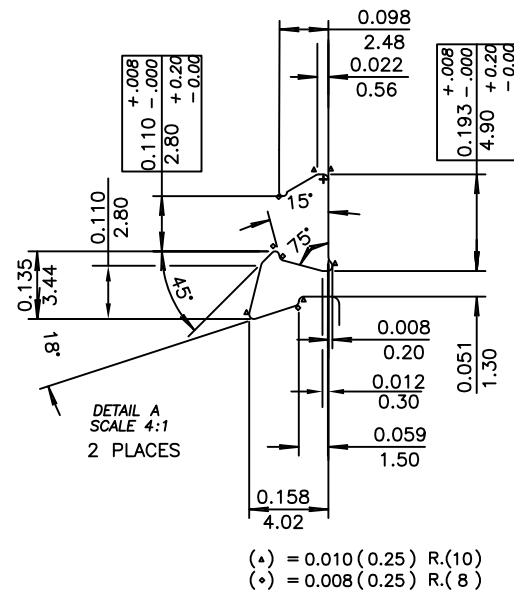
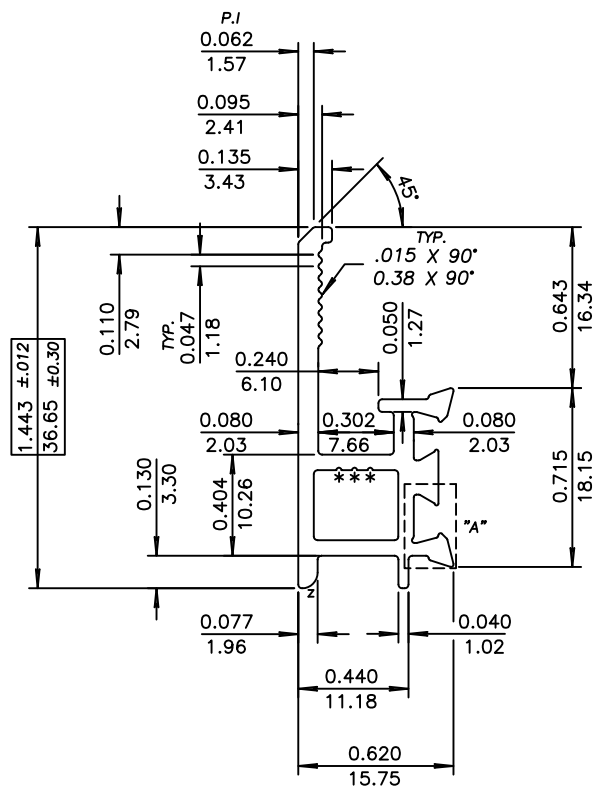
E-mail: info@commdooraluminum.com

Website: www.commdooraluminum.com

REV	DESCRIPTION	DATE	BY	TITLE:
				NEW SERIES 225
				PART # 0225-713
				SASH PERIMETER

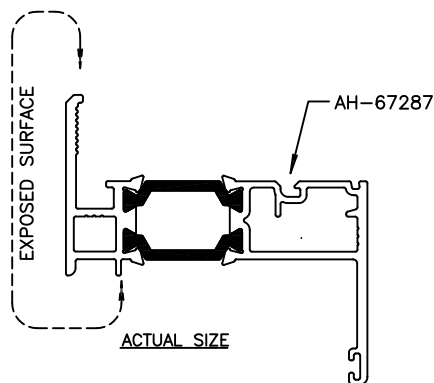
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DATE:	10/02/13
DRWG #:	P1

CUSTOMER	COMMDOOR ALUMINUM	PART NO.	225-013	DIE NO.	AH-67286	DASH	1
DESCRIPTION:	—	TARRIF#		PROPOSAL#	A67286		
SAPA: 5675 Kennedy Road Mississauga, Ontario L4Z 2H9		DATE	SYM	REVISION			
		12-04-10	A	REDRAWN THE PRINT	HILDA		



MATERIAL: PAINTED or ANODIZED ALUMINUM

		UNSPECIFIED WALL THICKNESS	
		0.062(1.57) ±0.006(0.15)	
EST. AREA	0.246 IN ² 159 MM ²	OUT PER.	5.750 IN 146 MM
EST. WT.	0.295 LBS/FT. 0.439 KG/M	FACTOR	24
EST. PER.	6.994 IN 178 MM	C.C.D.	1.487 IN 38 MM
DWN BY	HILDA	ALLOY	6063-T6
		SCALE	2:1
		DATE	12-04-10
ALL CORNERS .016"R (0.41mm) R UNLESS OTHERWISE NOTED.		STANDARD ALUMINUM ASSOCIATION TOLERANCES TO APPLY UNLESS OTHERWISE SPECIFIED	



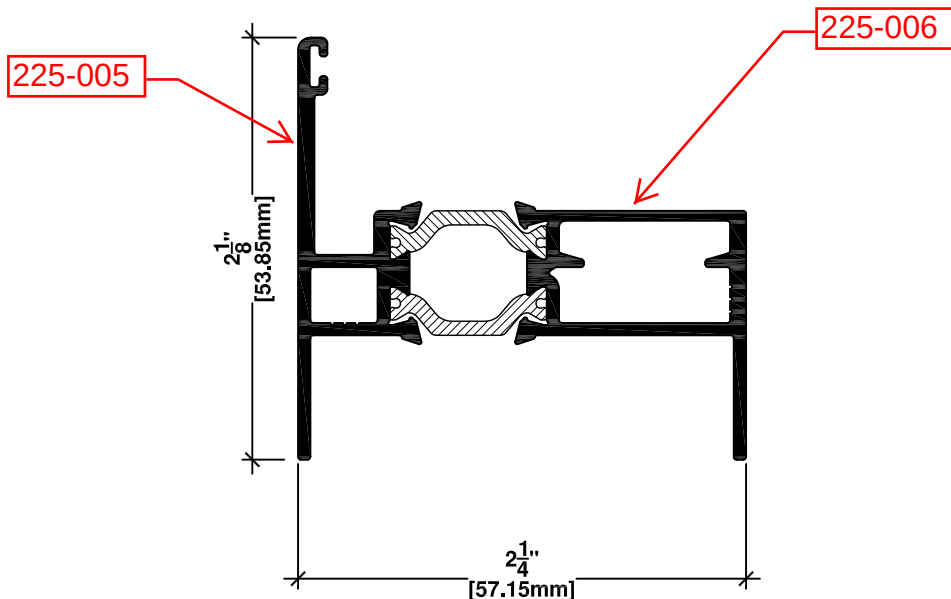
CUSTOMER'S SUPPLIED CAD FILE
UNMARKED RADII = RADIUS TO SUIT
BREAK CORNERS = 0.015 (0.38) R.
(z) = 0.062 (1.57) R. (1)
(*) = 0.010(0.25) R. X 0.010(0.25)D. SAPA I.D. MARKS



Report #: D1100-116-45

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Architectural Testing Verified by: *Kristen R. Luedersberger*



MATERIAL: PAINTED or ANODIZED ALUMINUM



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421 Applewood Crescent Tel: (416) 743-DOOR (3667)

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E-mail: info@commdooraluminum.com

Website: www.commdooraluminum.com

REV	DESCRIPTION	DATE	BY	TITLE:
				NEW SERIES 225
				PART # 0225-706
				FRAME PERIMETER

SCALE: NTS

DRAWN BY: FO

DATE: 10/02/13

DRWG #:

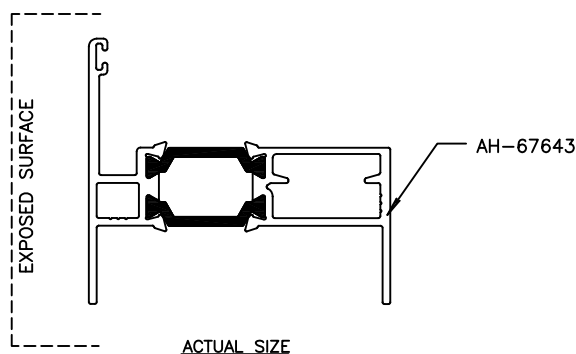
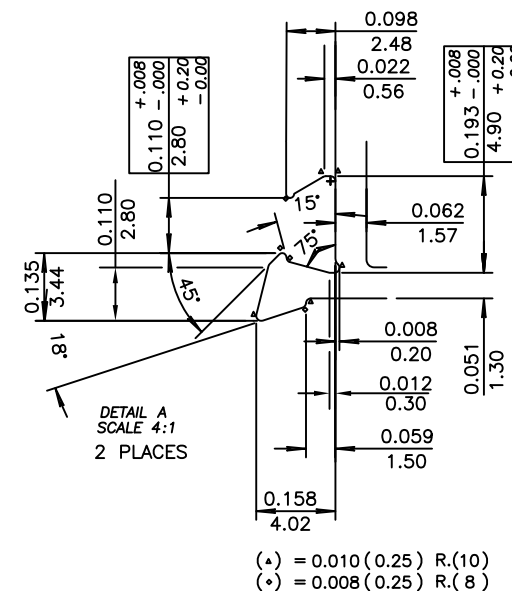
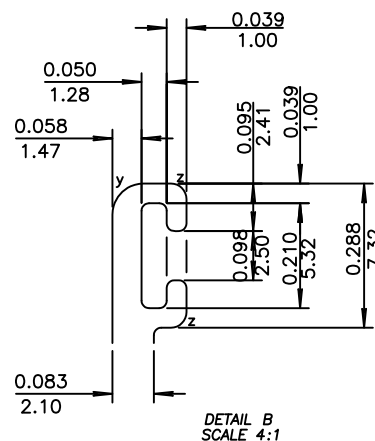
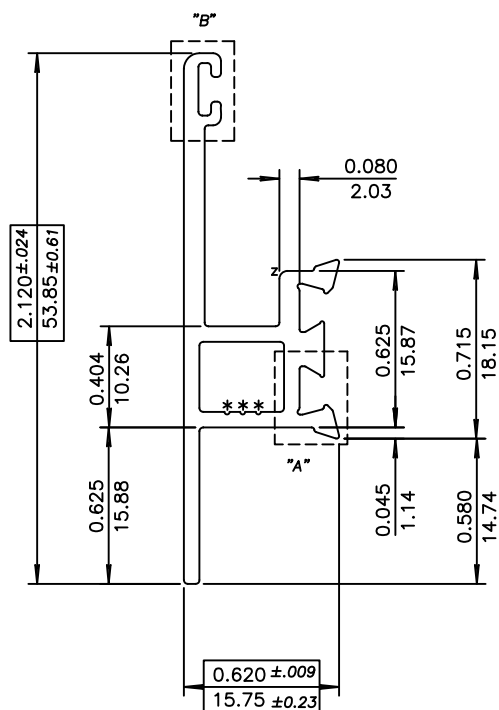
P2

Report #: D1100-116-45

Date: 10/31/13

Architectural Testing Verified by: *Kristen R. Livelyberger*

CUSTOMER COMMDOOR ALUMINUM		PART NO. 225-005		DIE NO. AH-67642		DASH 1	
DESCRIPTION: —		TARIFF#		PROPOSAL# 17663-4A			
SAPA: 5675 Kennedy Road Mississauga, Ontario L4Z 2H9		DATE	SYM	REVISION			



MATERIAL: PAINTED or ANODIZED ALUMINUM

sapa:

UNSPECIFIED WALL THICKNESS
$\pm 0.006(0.15)$ S
0.062(1.57)
$\pm 0.010(0.25)$ H

EST. AREA	0.283	IN ²	182	MM ²	OUT PER.	7.065	IN	179	MM
EST. WT.	0.340	LBS/FT.	0.505	KG/M	FACTOR	24			
EST. PER.	8.309	IN	211	MM	C.C.D.	2.123	IN	54	MM
DWN BY	JPH		ALLOY 6063-T6		SCALE	2:1	DATE	12-04-03	

ALL CORNERS .016"R (0.41mm) R UNLESS OTHERWISE NOTED.

STANDARD ALUMINUM ASSOCIATION TOLERANCES TO APPLY UNLESS OTHERWISE SPECIFIED

CUSTOMER'S SUPPLIED CAD FILE

UNMARKED RADII = RADIUS TO SUIT
BREAK CORNERS = 0.015 (0.38) R.
(z) = 0.031 (0.79) R. (3)
(y) = 0.062 (1.57) R. (1)

(*) = 0.010(0.25) R. X 0.010(0.25)D. SAPA I.D. MARKS



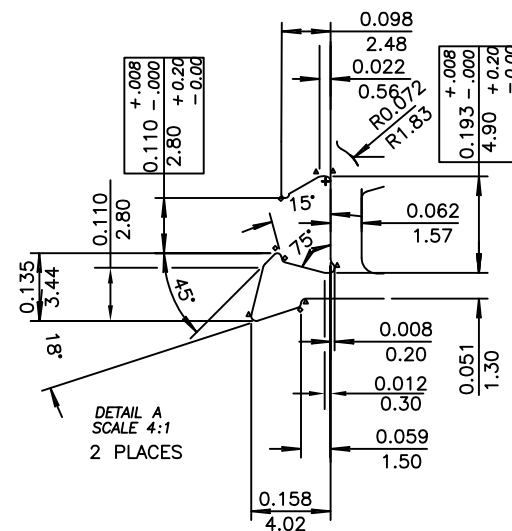
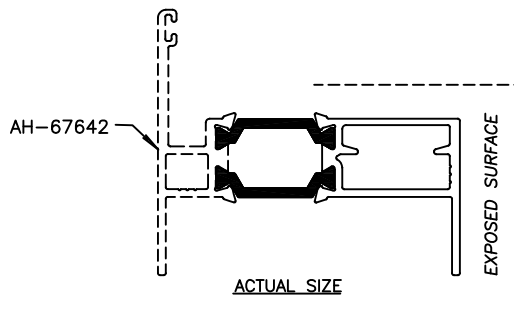
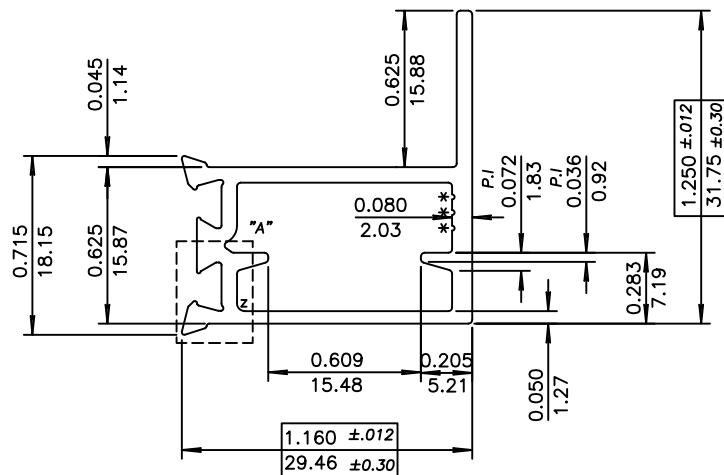
Report #: D1100-116-45

Date: 10/31/13

Verified by: Kristine R. Friedlschneider

Architectural Testing

CUSTOMER	COMMDOOR ALUMINUM	PART NO.	225-006	DIE NO.	AH-67643	DASH	1
DESCRIPTION:	—	TARRIF#		PROPOSAL#	17663-5B		
SAPA: 5675 Kennedy Road Mississauga, Ontario L4Z 2H9		DATE	SYM	REVISION			



(*) = 0.010 (0.25) R.(10)
 (°) = 0.008 (0.25) R.(8)

MATERIAL: PAINTED or ANODIZED ALUMINUM

sapa:

UNSPECIFIED WALL THICKNESS
 $\pm 0.006(0.15)$ S
 $0.062(1.57)$
 $\pm 0.010(0.25)$ H

EST. AREA	0.276	IN ²	178	MM ²	OUT PER.	5.562	IN	141	MM
EST. WT.	0.331	LBS/FT.	0.493	KG/M	FACTOR	26			
EST. PER.	8.767	IN	223	MM	C.C.D.	1.729	IN	44	MM
DWN BY	Hilda	ALLOY	6063-T6	SCALE	2:1	DATE	12-04-03		

ALL CORNERS .016"R (0.41mm) R UNLESS OTHERWISE NOTED.

STANDARD ALUMINUM ASSOCIATION TOLERANCES TO APPLY UNLESS OTHERWISE SPECIFIED

CUSTOMER'S SUPPLIED CAD FILE

UNMARKED RADII = RADIUS TO SUIT
 BREAK CORNERS = 0.015 (0.38) R.
 (z) = 0.031 (0.79) R. (1)

(*) = 0.010(0.25) R. X 0.010(0.25)D. SAPA I.D. MARKS

STANDARD ALUMINUM ASSOCIATION TOLERANCES TO APPLY UNLESS OTHERWISE SPECIFIED

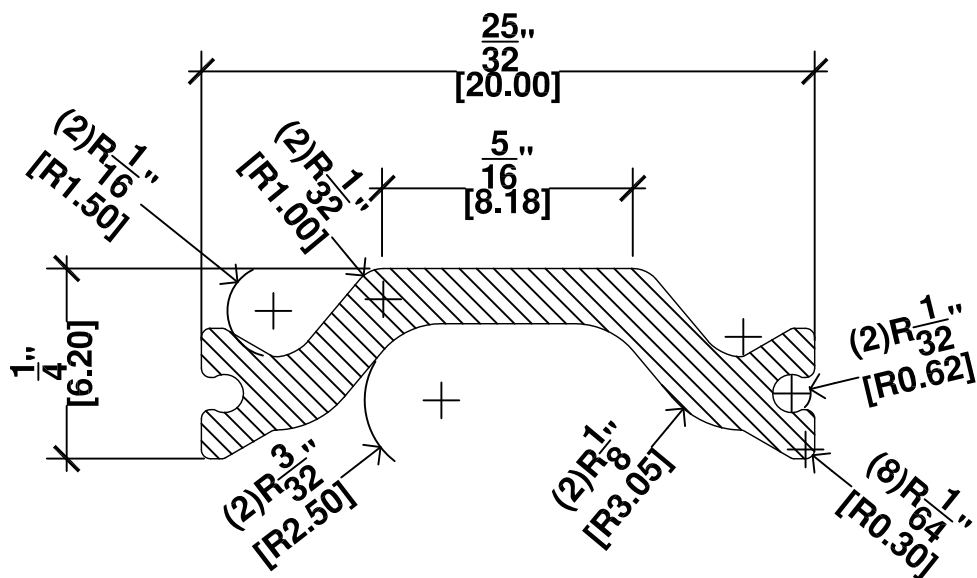


Architectural Testing

Report #: D1100-116-45

Date: 10/31/13

Verified by: *Kristen R. Friedlsinger*



MATERIAL: POLYAMIDE



421 Applewood Crescent Tel: (416) 743-DOOR (3667)
Concord, Ontario Fax: (416) 746-0979
Canada, L4K 4J3 E-mail: info@commdooraluminum.com
Website: www.commdooraluminum.com

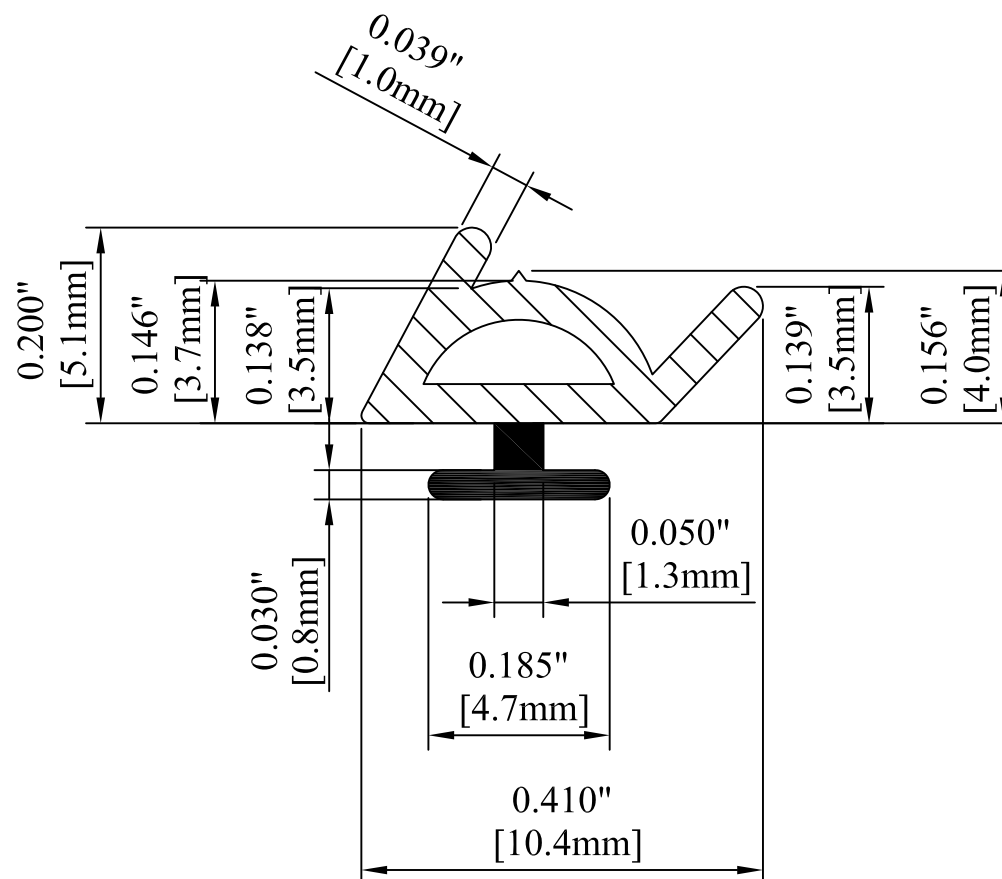
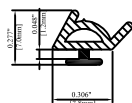
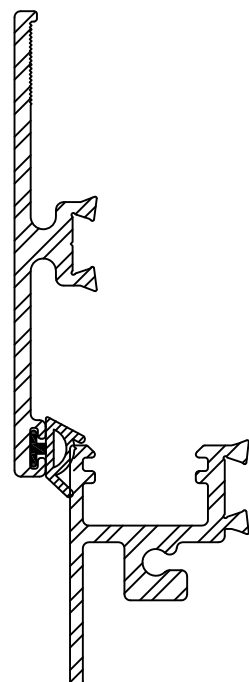
REV	DESCRIPTION	DATE	BY	TITLE:
				THERMAL BREAK
				(9906-073)
				BY ENSINGER

SCALE:	NTS
DRAWN BY:	FO
DATE:	Oct., 31, 2013
DRWG #:	



Report #: D1100-116-45

Date: 10/31/13

Architectural Testing Verified by: *Kristen A. Reidsberger***ACTUAL SIZE**DETAILS

- EXTRUSION MUST BE STRAIGHT
- COLOUR MUST BE BLACK
- WALL THICKNESS 0.040
- COMMERCIAL TOLERANCES +/- 0.010
- **SCALE: 5 : 1**

MATERIAL: SANTOPRENE // POLYPROPYLENE

PRASAD PLASTICS LIMITED
1067 WESTPORT CRESCENT
MISSISSAUGA, ONTARIO
L5T-1E8
PHONE (905) 564-4600
FAX (905) 564-4648

CUSTOMER

COMMDOOR

DIE#

DSPH-2954

MATERIAL

SANTO/PP

DRAWN BY: ANTHONY SAMPOGNA

DATE: AUG 24 /2009

Area = 0.0335 / Area = 0.0077

APPROVED BY

PART NO. 9903-151-00

E-MAIL-ANTHONY@PRASADPLASTICS.COM

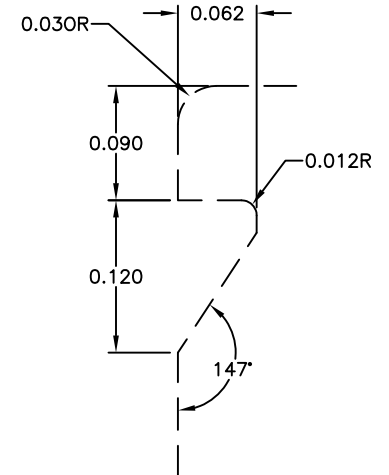
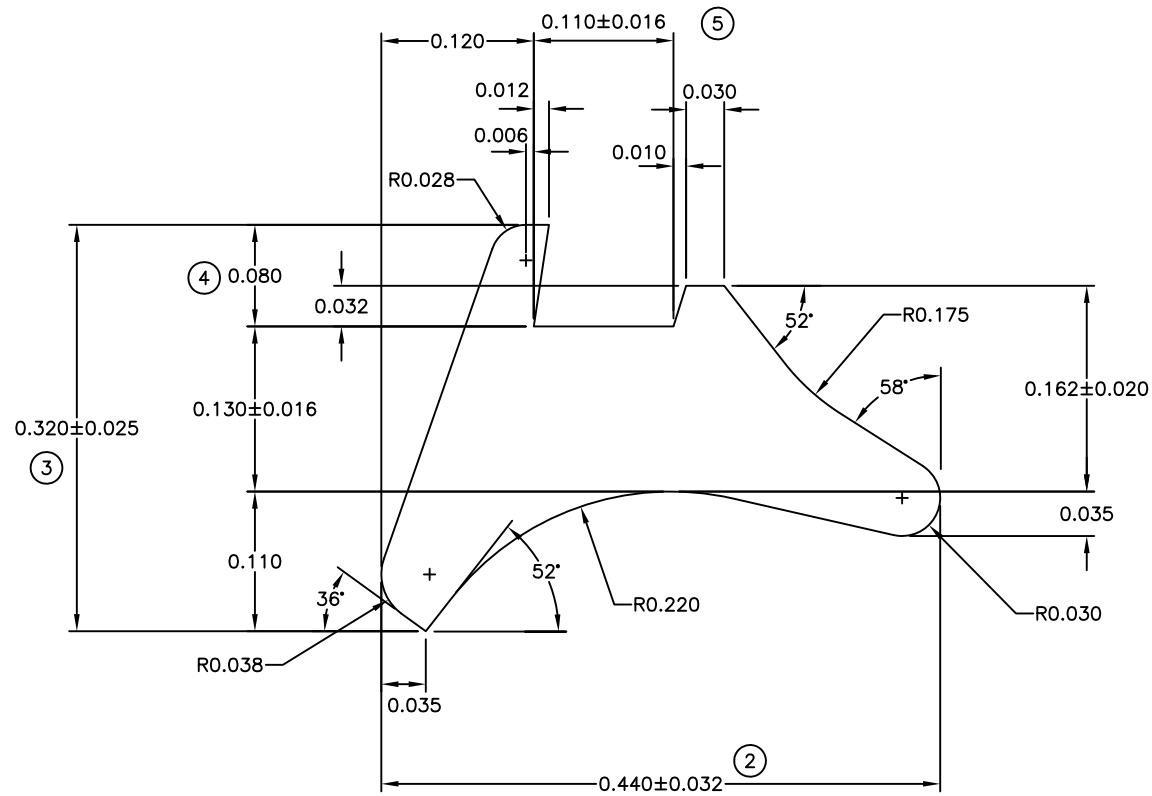
PART-DESCRIPTION

VENT BULB-SEAL



Report #: D1100-116-45

Date: 10/31/13

Verified by: *Kristen R. Friedsberger*

9	REDRAWN AND UPDATED	APR 03/98	HDR
8	DIMENSION CORRECTED	APR 03/98	HDR
7	NIB REVISED	AUG 13/90	HDR
6	NOTES ADDED	SEPT 15/89	AL
5	WAS 0.100 ± 0.013	SEPT 13/89	HDR
4	WAS 0.065	SEPT 14/89	HDR
3	WAS 0.290 ± 0.025	SEPT 7/89	AL
2	WAS 0.430 ± 0.032	SEPT 7/89	AL
1	MAT'L. WAS 60 EPDM	AUG 3/89	HDR
NO	DESCRIPTION	DATE	BY

REVISIONS

TREMCO215 WICKSTEED AVENUE
TORONTO, ONTARIO M4H 1G5

CUSTOMER TREMCO STOCK

DESCRIPTION POLYSHIM 2
0.160" FC GLAZING WEDGE

DRN BY	HDR	SQ. IN.	0.0595	P/N	
SCALE	10:1	DATE	MAY 26/89	DRAWING NO.	TR-8012E
MATERIAL	70±5 EPDM (6R)				

THE DESIGN OF THE GASKET SHOWN HEREIN IS THE PRODUCT OF TREMCO INC. NO REPRODUCTION OR USE OF THIS DESIGN IS AUTHORIZED WITHOUT THE CONSENT OF TREMCO.

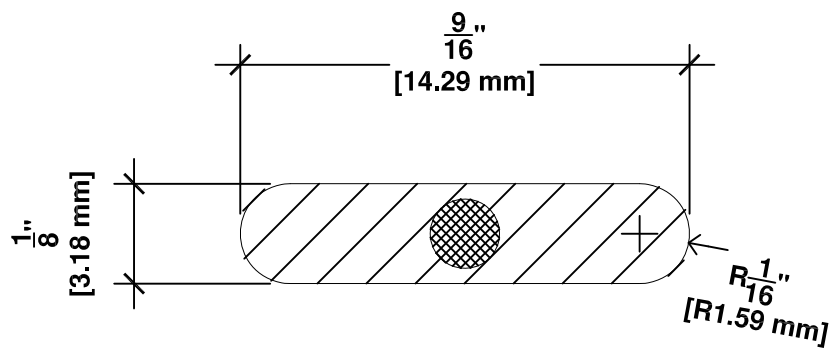


Architectural Testing

Report #: D1100-116-45

Date: 10/31/13

Verified by: *Kristen L. Friedberger*



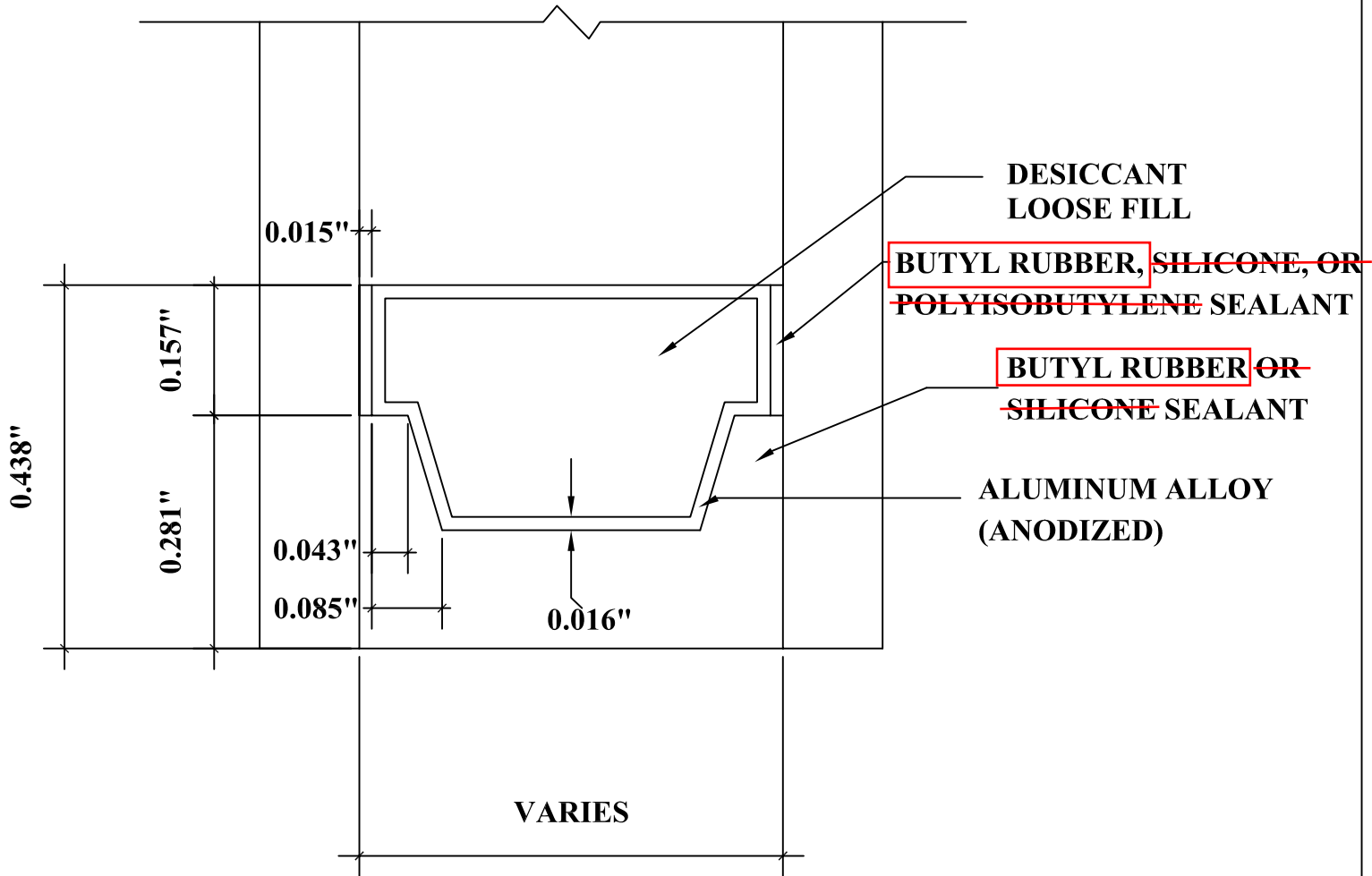
MATERIAL: FOAM WEATHERSTRIP



421 Applewood Crescent Tel: (416) 743-DOOR (3667)
Concord, Ontario Fax: (416) 746-0979
Canada, L4K 4J3 E-mail: info@commdooraluminum.com
Website: www.commdooraluminum.com

REV	DESCRIPTION	DATE	BY	TITLE:
				POLYSHIM TAPE
				0.150*0.375
				BY TREMCO(724-1XC1-760)
				PART#:9904-001

SCALE:	NTS
DRAWN BY:	FO
DATE:	Oct. 30, 2013
DRWG #:	



DETAIL FOR THERMAL MODELING OF
ALUMINUM SPACER (A1-D)