

GAMCO CORPORATION COMPUTER SIMULATION REPORT

SCOPE OF WORK

TD350T DOOR - AAMA 507 SIMULATIONS TO DETERMINE U-FACTOR, SOLAR HEAT GAIN COEFFICIENT, AND VISIBLE TRANSMITTANCE RATINGS

REPORT NUMBER

J3829.01-116-45 R0

TEST DATE

02/18/19

ISSUE DATE

02/18/19

RECORD RETENTION END DATE

02/18/24

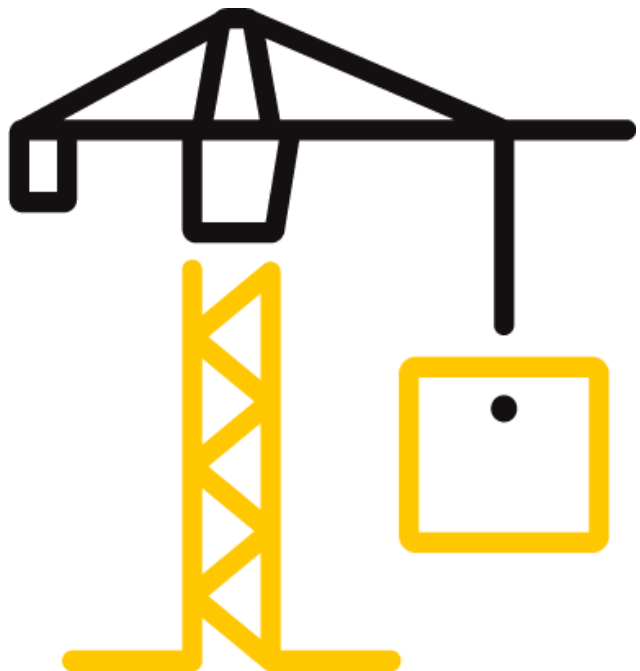
PAGES

27

DOCUMENT CONTROL NUMBER

RT-R-AMER-Test-3753 (02/20/18)

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TEST REPORT FOR GAMCO CORPORATION

Report No.: J3829.01-116-45 R0

Date: 02/18/19

REPORT ISSUED TO

GAMCO CORPORATION

131-10 Maple Avenue

Flushing, New York 11355

SECTION 1

SUMMARY

SERIES/MODEL: TD350T Door

Intertek Building & Construction (Intertek B&C) was contracted to perform AAMA 507 computer simulations utilizing thermal modeling computer software developed by Lawrence Berkeley National Laboratory (LBNL). Results obtained are simulated values and were secured using the designated test methods.

Intertek B&C is an NFRC accredited simulation laboratory and all simulations were conducted in full compliance with NFRC approved procedures and specifications.

This report does not constitute certification of this product nor an opinion or endorsement by this laboratory.

For INTERTEK B&C:

COMPLETED BY: Megan M. Yingst

TITLE: Simulation Technician

SIGNATURE:

DATE: 02/18/19

MMY:mmm

REVIEWED BY: Eric S. Leitner

Simulation Technician

TITLE: Team Leader, SIRC

SIGNATURE:

DATE: 02/18/19

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SECTION 2

TEST METHODS

The products were evaluated in accordance with the following:

AAMA 507-15, *Standard Practice for Determining the Thermal Performance Characteristics of Fenestration Systems Installed in Commercial Buildings*

ANSI/NFRC 100-2017, *Procedure for Determining Fenestration Product U-Factors*

ANSI/NFRC 200-2017, *Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence*

SECTION 3

TEST PROCEDURE

The total product, including specific frame, spacer, and glass details, was modeled using NFRC approved software.

FRAME AND EDGE MODELING	THERM 7.4.4
CENTER-OF-GLASS MODELING	WINDOW 7.4.14
TOTAL PRODUCT CALCULATIONS	WINDOW 7.4.14
SPECTRAL DATA LIBRARY	IGDB 65.0

Modeling Assumptions / Technical Interpretations

Any modeling assumptions and technical interpretations required to model this product are listed below.

- 1) To prevent air infiltration, tape was applied to all interior sash crack locations.
- 2) This product is available in either a painted or anodized finish. These two finish types may be grouped in accordance with ANSI/NFRC 100-2017, Section 4.2.1.L. The painted finish was simulated since it is the worst case (highest emissivity).

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SECTION 4
SIMULATION SPECIMEN DESCRIPTION

SERIES/MODEL	TD350T Door
PRODUCT TYPE	Swinging Door - Single
FRAME MATERIAL	AP - Aluminum w/ Thermal Breaks - Partial
SASH MATERIAL	AT - Aluminum w/ Thermal Breaks - All Members

GLAZING OPTIONS					
	OUTER PANE	MIDDLE PANE	INNER PANE	GAP SIZES	IG OVERALL
GL1	1/4"	N/A	1/4"	0.500"	1"
GL2	1/4"	Heat Mirror	1/4"	0.250"	1"

GL1: Dual glazed IG unit (COG=0.48 - COG=0.20)

GL2: Dual glazed IG unit w/ heat mirror (COG=0.18 - COG=0.10)

SPACER OPTIONS			
TYPE	PRIMARY SEAL	SECONDARY SEAL	CODE
Generic Aluminum Dual Seal Spacer	Butyl Rubber	Butyl Rubber	A1-D

SECTION 5
MEASURED SIMULATION DATA

U-FACTOR CALCULATIONS	
Exterior Air Temperature	-0.4°F
Exterior Wind Velocity	12.3 mph (Perpendicular Flow)
Interior Air Temperature	69.8°F

TEST REPORT FOR GAMCO CORPORATION

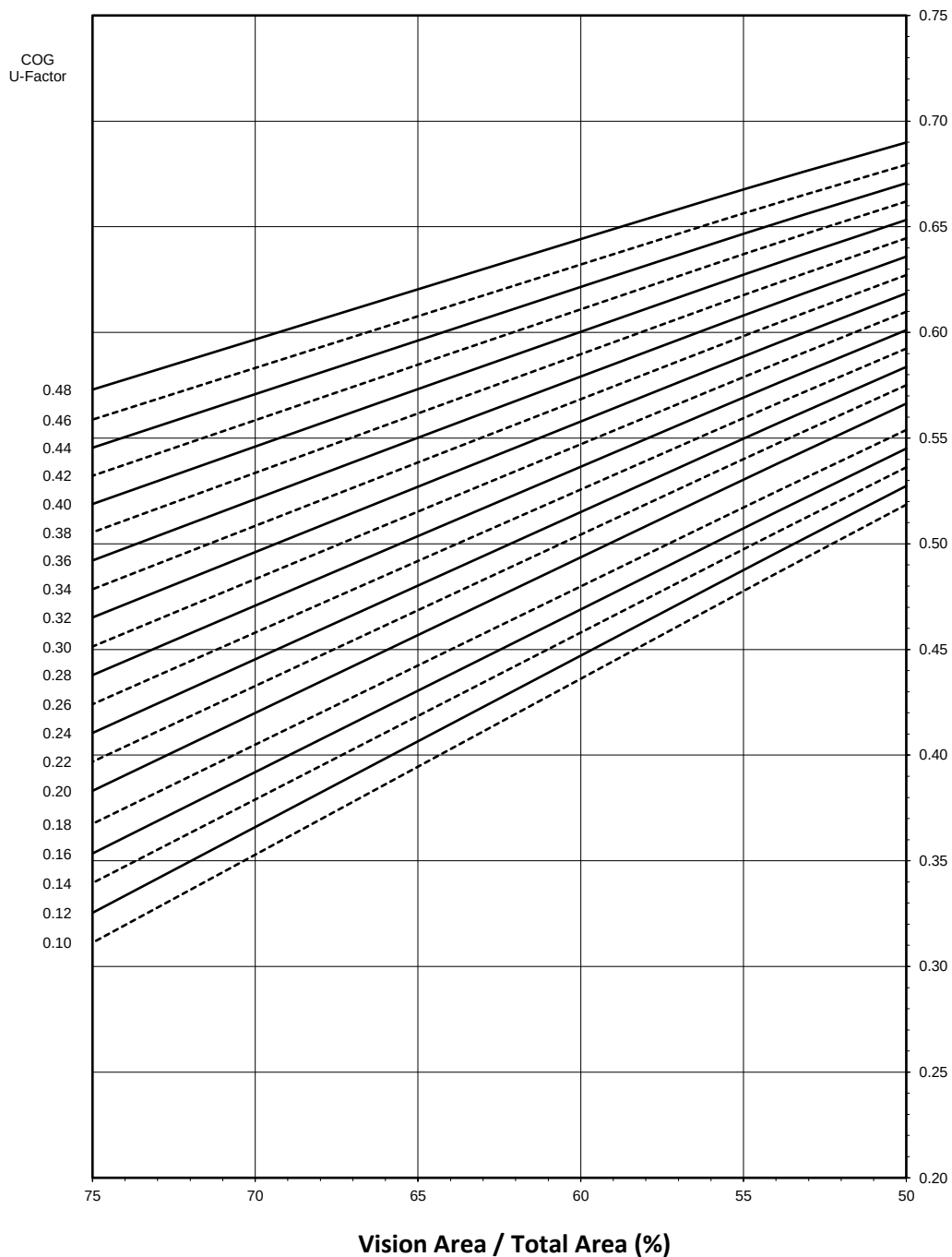
Report No.: J3829.01-116-45 R0

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SECTION 6

SIMULATION RESULTS

U-FACTOR CALCULATIONS: System U-Factor vs. Percentage of Vision Area



TEST REPORT FOR GAMCO CORPORATION

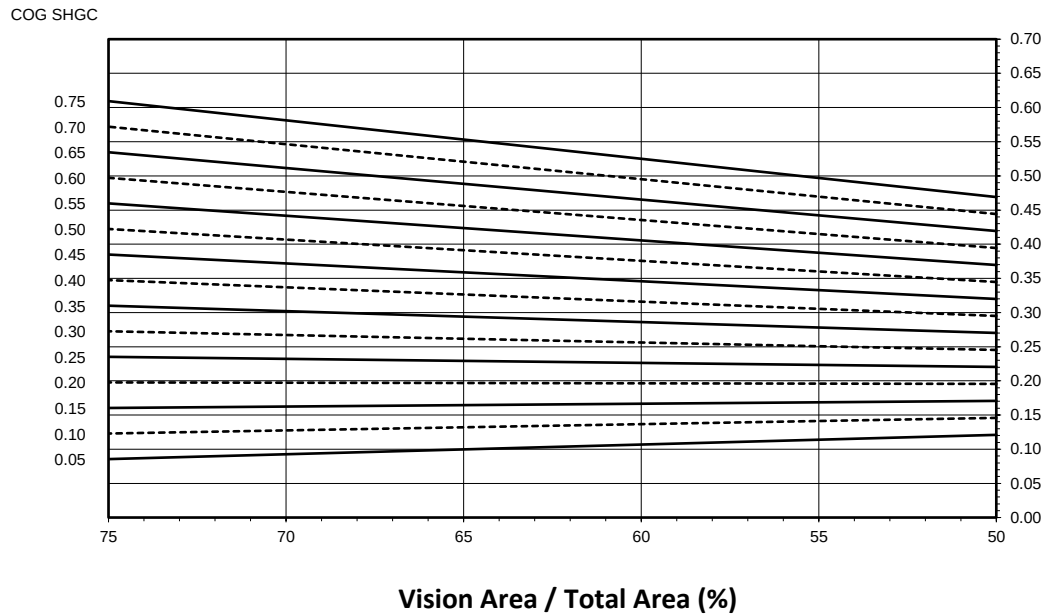
Report No.: J3829.01-116-45 R0

Date: 02/18/19

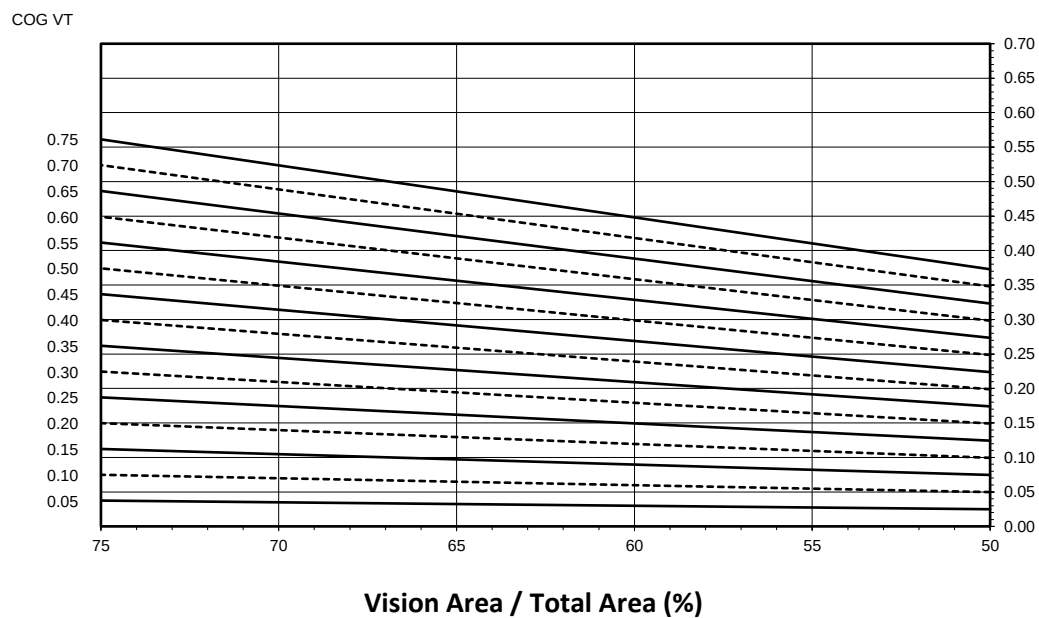
SECTION 6

SIMULATION RESULTS

SHGC CALCULATIONS: System SHGC vs. Percentage of Vision Area



VT CALCULATIONS: System VT vs. Percentage of Vision Area



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SECTION 6

SIMULATION RESULTS

U-FACTOR CALCULATIONS (TD350T Door)		
Size Specific U-Factor Matrix*		
Glazing Option	Center-of-Glass U-Factor	Overall U-Factor
1	0.48	0.66
2	0.46	0.65
3	0.44	0.64
4	0.42	0.63
5	0.40	0.62
6	0.38	0.61
7	0.36	0.60
8	0.34	0.59
9	0.32	0.58
10	0.30	0.57
11	0.28	0.56
12	0.26	0.55
13	0.24	0.54
14	0.22	0.53
15	0.20	0.52
16	0.18	0.51
17	0.16	0.50
18	0.14	0.49
19	0.12	0.48
20	0.10	0.47

*The size specific U-Factor matrix is based on the Swinging Door - Single NFRC specimen size of 960mm x 2090mm (37.75 in x 82.375 in). This represents 56% Vision Area / Total Area.

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SECTION 6

SIMULATION RESULTS

SHGC/VT CALCULATIONS (TD350T Door)			
Size Specific SHGC Matrix*		Size Specific VT Matrix*	
Center-of-Glass SHGC	Overall SHGC	Center-of-Glass VT	Overall SHGC
0.75	0.50	0.75	0.42
0.70	0.47	0.70	0.39
0.65	0.45	0.65	0.36
0.60	0.42	0.60	0.33
0.55	0.39	0.55	0.31
0.50	0.36	0.50	0.28
0.45	0.34	0.45	0.25
0.40	0.31	0.40	0.22
0.35	0.28	0.35	0.20
0.30	0.25	0.30	0.17
0.25	0.22	0.25	0.14
0.20	0.20	0.20	0.11
0.15	0.17	0.15	0.08
0.10	0.14	0.10	0.06
0.05	0.11	0.05	0.03

*The size specific SHGC and VT matrices are based on the Swinging Door - Single NFRC specimen size of 960mm x 2090mm (37.75 in x 82.375 in). This represents 56% Vision Area / Total Area.

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SECTION 6
SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (TD350T Door)									
Option Number	COG U-Factor	COG Temperature	Cross Section	Frame Height	Frame U-Factor	Edge U-Factor	Total Product U-Factor		
							50.00% Vision Area	NFRC 100-2017	75.00% Vision Area
1	0.48	43.7°F	Head	6.4275	0.9228	0.2206	0.6899	0.6631	0.5730
			L. Jamb	6.4171	0.8708	0.6512			
			R. Jamb	6.4171	0.8708	0.6512			
			Sill	6.4314	0.8737	0.2213			
2	0.46	44.8°F	Head	6.4275	0.9227	0.2154	0.6794	0.6517	0.5588
			L. Jamb	6.4171	0.8665	0.6354			
			R. Jamb	6.4171	0.8665	0.6354			
			Sill	6.4314	0.8695	0.2159			
3	0.44	45.8°F	Head	6.4275	0.9226	0.2101	0.6707	0.6418	0.5455
			L. Jamb	6.4171	0.8663	0.6198			
			R. Jamb	6.4171	0.8663	0.6198			
			Sill	6.4314	0.8694	0.2107			
4	0.42	46.8°F	Head	6.4275	0.9225	0.2050	0.6620	0.6320	0.5322
			L. Jamb	6.4171	0.8662	0.6046			
			R. Jamb	6.4171	0.8662	0.6046			
			Sill	6.4314	0.8692	0.2056			
5	0.40	47.9°F	Head	6.4275	0.9224	0.1998	0.6533	0.6221	0.5188
			L. Jamb	6.4171	0.8660	0.5890			
			R. Jamb	6.4171	0.8660	0.5890			
			Sill	6.4314	0.8691	0.2003			
6	0.38	48.9°F	Head	6.4275	0.9223	0.1948	0.6446	0.6123	0.5055
			L. Jamb	6.4171	0.8659	0.5739			
			R. Jamb	6.4171	0.8659	0.5739			
			Sill	6.4314	0.8690	0.1953			
7	0.36	50.0°F	Head	6.4275	0.9222	0.1897	0.6359	0.6024	0.4921
			L. Jamb	6.4171	0.8658	0.5586			
			R. Jamb	6.4171	0.8658	0.5586			
			Sill	6.4314	0.8688	0.1902			
8	0.34	51.0°F	Head	6.4275	0.9222	0.1846	0.6272	0.5925	0.4785
			L. Jamb	6.4171	0.8657	0.5434			
			R. Jamb	6.4171	0.8657	0.5434			
			Sill	6.4314	0.8687	0.1851			

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SECTION 6
SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (TD350T Door)									
Option Number	COG U-Factor	COG Temperature	Cross Section	Frame Height	Frame U-Factor	Edge U-Factor	Total Product U-Factor		
							50.00% Vision Area	NFRC 100-2017	75.00% Vision Area
9	0.32	52.0°F	Head	6.4275	0.9221	0.1795	0.6185	0.5827	0.4652
			L. Jamb	6.4171	0.8655	0.5284			
			R. Jamb	6.4171	0.8655	0.5284			
			Sill	6.4314	0.8686	0.1800			
10	0.30	53.1°F	Head	6.4275	0.9220	0.1745	0.6098	0.5727	0.4514
			L. Jamb	6.4171	0.8654	0.5134			
			R. Jamb	6.4171	0.8654	0.5134			
			Sill	6.4314	0.8685	0.1750			
11	0.28	54.2°F	Head	6.4275	0.9219	0.1695	0.6011	0.5628	0.4379
			L. Jamb	6.4171	0.8653	0.4985			
			R. Jamb	6.4171	0.8653	0.4985			
			Sill	6.4314	0.8684	0.1700			
12	0.26	55.2°F	Head	6.4275	0.9219	0.1645	0.5924	0.5529	0.4241
			L. Jamb	6.4171	0.8652	0.4835			
			R. Jamb	6.4171	0.8652	0.4835			
			Sill	6.4314	0.8682	0.1650			
13	0.24	56.3°F	Head	6.4275	0.9218	0.1596	0.5837	0.5430	0.4105
			L. Jamb	6.4171	0.8651	0.4687			
			R. Jamb	6.4171	0.8651	0.4687			
			Sill	6.4314	0.8682	0.1600			
14	0.22	57.3°F	Head	6.4275	0.9218	0.1546	0.5750	0.5331	0.3969
			L. Jamb	6.4171	0.8650	0.4539			
			R. Jamb	6.4171	0.8650	0.4539			
			Sill	6.4314	0.8681	0.1550			
15	0.20	58.4°F	Head	6.4275	0.9218	0.1497	0.5663	0.5232	0.3831
			L. Jamb	6.4171	0.8649	0.4392			
			R. Jamb	6.4171	0.8649	0.4392			
			Sill	6.4314	0.8680	0.1501			
16	0.18	59.5°F	Head	6.4275	0.9185	0.1406	0.5539	0.5099	0.3675
			L. Jamb	6.4171	0.8606	0.4110			
			R. Jamb	6.4171	0.8606	0.4110			
			Sill	6.4314	0.8644	0.1408			

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SECTION 6
SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (TD350T Door)									
Option Number	COG U-Factor	COG Temperature	Cross Section	Frame Height	Frame U-Factor	Edge U-Factor	Total Product U-Factor		
							50.00% Vision Area	NFRC 100-2017	75.00% Vision Area
17	0.16	60.6°F	Head	6.4275	0.9184	0.1355	0.5451	0.4999	0.3535
			L. Jamb	6.4171	0.8605	0.3960			
			R. Jamb	6.4171	0.8605	0.3960			
			Sill	6.4314	0.8643	0.1357			
18	0.14	61.6°F	Head	6.4275	0.9186	0.1300	0.5362	0.4898	0.3395
			L. Jamb	6.4171	0.8605	0.3796			
			R. Jamb	6.4171	0.8605	0.3796			
			Sill	6.4314	0.8643	0.1302			
19	0.12	62.7°F	Head	6.4275	0.9185	0.1249	0.5274	0.4797	0.3254
			L. Jamb	6.4171	0.8605	0.3644			
			R. Jamb	6.4171	0.8605	0.3644			
			Sill	6.4314	0.8642	0.1251			
20	0.10	63.9°F	Head	6.4275	0.9188	0.1196	0.5185	0.4696	0.3113
			L. Jamb	6.4171	0.8604	0.3491			
			R. Jamb	6.4171	0.8604	0.3491			
			Sill	6.4314	0.8642	0.1200			



Total Quality. Assured.

130 Derry Court
York, PA, 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

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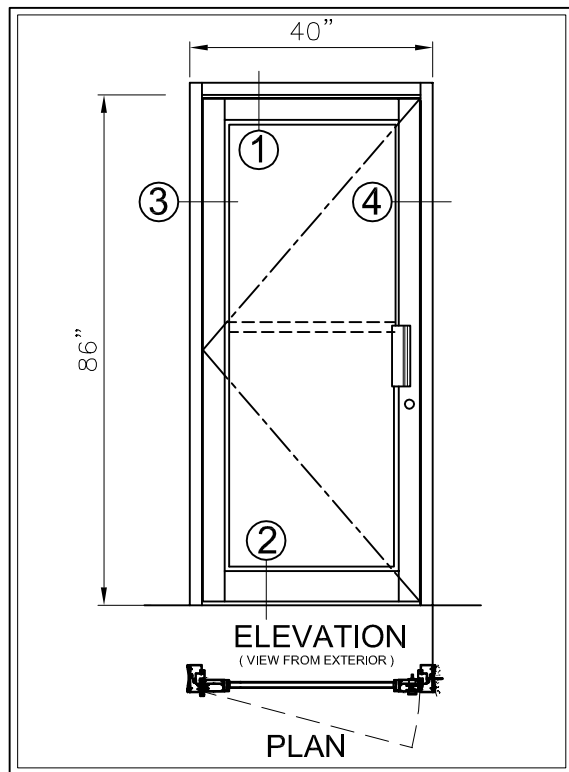
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Date: 02/18/19

SECTION 7

DRAWINGS / BILL OF MATERIALS

The drawings which follow have been reviewed by Intertek B&C and are representative of the simulation result(s) reported herein. Any deviations are documented herein or on the drawings.



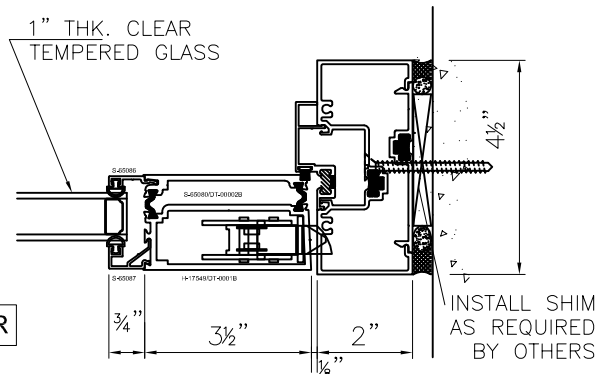
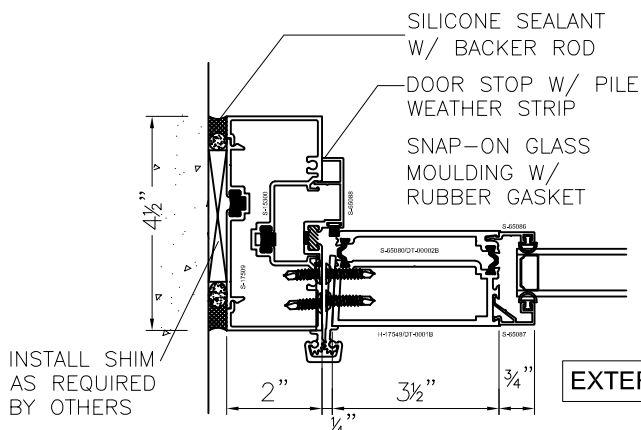
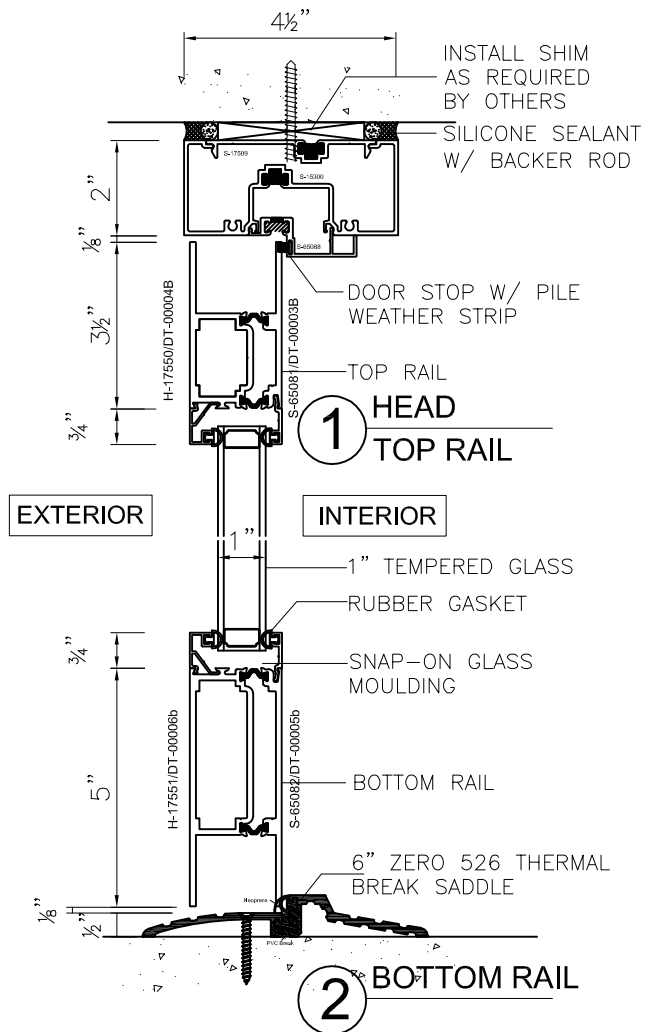
D350T SERIES MEDIUM STILE DOOR

intertek
Total Quality. Assured.

Report #: J3929-116-45

Date: 02/18/2019

Verified by: *Walter M. Grogan*



SHEET #	Drawn by:	Customer	Revisions		
	Checked by:		No.	Date	Description
	C. CHAN	Project : D-350 T			
	C. CHAN				
	Date: 2-1-2019				
	Scale: 1/4" : 1"				



GAMCO CORPORATION
MANUFACTURERS OF FENESTRATION PRODUCTS
131-10 MAPLE AVE. FLUSHING, N.Y. 11355
TEL: (718) 359-8833 FAX: (718) 359-8661
info@gamcocorp.com www.gamcocorp.com

intertek
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Verified by: 

S-17509	Notes:
Time in Box	5 HRS
Start Billet	REGULAR AT 900 DEG
2nd Billet	REGULAR
Bolster in Box	NO
Use Gauge	

HARMON INC.
052304
HFG451T

508100

S-17509
HARMON INC.

STANDARD COMMERCIAL TOLERANCES FOR EXTRUDED
PRODUCTS APPLY UNLESS SPECIFIED OTHERWISE

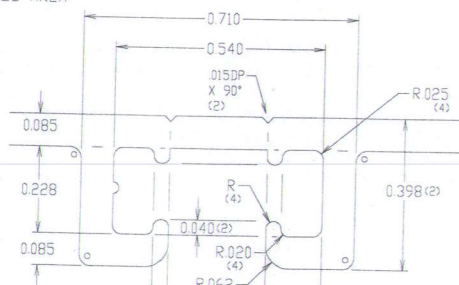
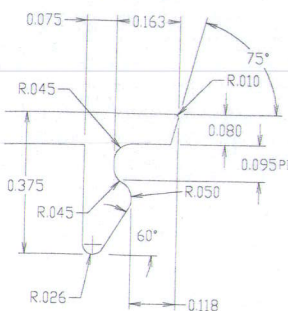
Design Number

FG451T

S-17509 MATES WITH:
S-15300 052001

ACTUAL SIZE ASSEMBLY
FILL CROSSHATCHED AREA
WITH KEYLOCK MATERIAL;
DEBRIDGE SHADED AREA

DETAIL "A"
SCALE 4:1
(TYP 2)



DETAIL "B"
SCALE 4:1

(0) DENOTES R .031 (4)



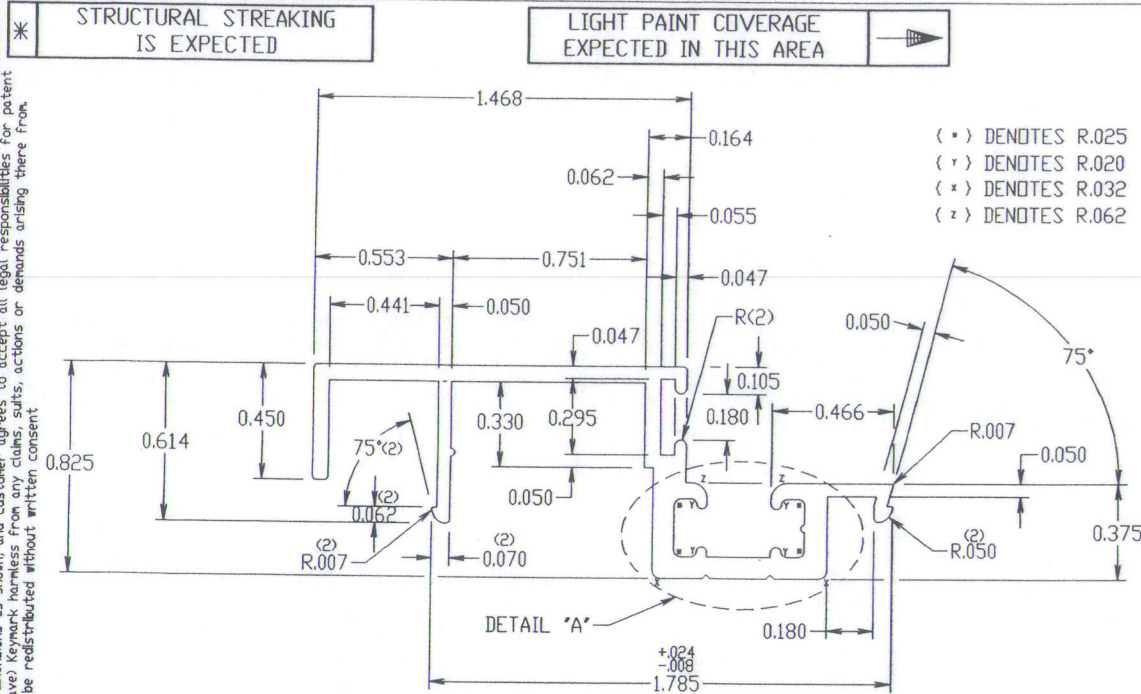
FONDA, NY TEL. (518) 853-3421
LAKELAND, FL TEL. (863) 858-5500
WWW.KEYMARKCORP.COM

Unspecified
Wall Thickness: .085

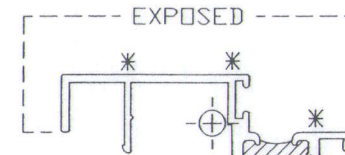
Break Ext. Corners
.015 Radius or as Noted

Customer KEYMARK CORPORATION			Customer's Part Number 052026	
Job Name FG-417/14517				
Part Title THERMAL JAMB CLOSURE			Scale 1:1	
Alloy 6063	Area (in ²) 0.434	Finish Perimeter (in) 3.593	Date 06-26-91	
Temper T-5	Wt/Ft (Lbs) 0.521	Total Perimeter (in) 10.321	Drawn S.J.S.	
Cavity Size BB	Circle Size (in) 3.6	Exterior Perimeter (in) 10.321	Checked S.J.S.	

EMPIRE ARCH.
700
KEYMARK CORPORATION
FG451T



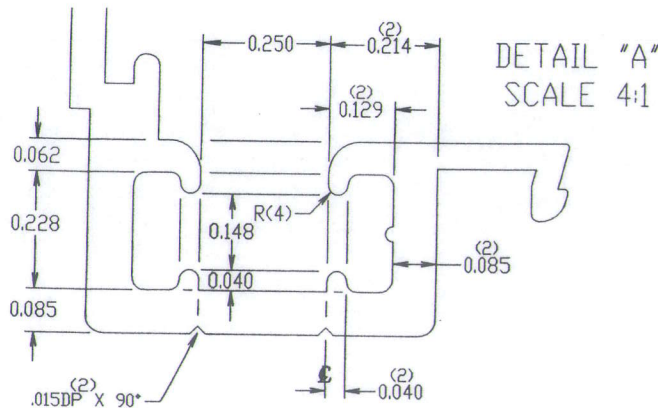
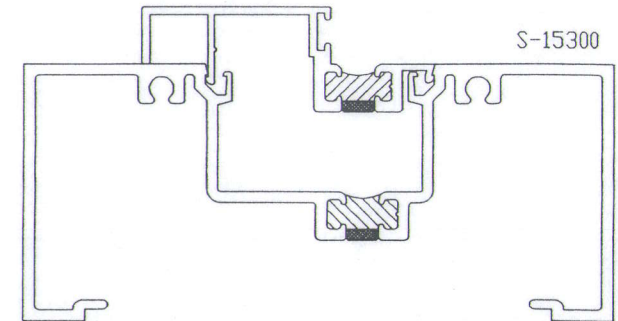
ACTUAL SIZE



KEYMARK
ID .015R

FILL CROSSHATCHED AREA
WITH KEYLOCK MATERIAL;
DEBRIDGE SHADED AREA

ACTUAL SIZE ASSEMBLY



S-65088 MATES WITH:
S-15300 052001

KEYMARK CORPORATION

FONDA, NY TEL. (518) 853-3421
LAKELAND, FL TEL. (863) 858-5500
WWW.KEYMARKCORP.COM

Syn.	Revisions	Date

Unspecified
Wall Thickness: .062

Break Ext. Corners
.015Radius or as Noted

Customer GAMCO			Customer's Part Number DT-00014	
Job Name TD350 SERIES THERMAL DOOR			Scale 2:1	
Part Title THERMAL DOOR STOP			Date 01-22-19	
Alloy 6063	Area (In ²) 0.325	Finish Perimeter (In) 3.635	Drawn MJD	
Temper T-5	Wt./Ft. (Lbs) 0.390	Total Perimeter (In) 9.885	Checked 00	
Cavity Size AA	Circle Size (In) 2.3	Exterior Perimeter (In) 9.885		

Customer signature on this print indicates approval of design and dimensions as shown, and customer agrees to accept all legal responsibilities for patent and or trade mark infringement related to this shape and hold (save) Keymark harmless from any claims, suits, actions or demands arising there from. This drawing is the property of Keymark Corporation and may not be redistributed without written consent.

Estimated For Reference Only	I _x = 0.026	I _y = 0.136	Atodine ☐	Type: 00	PLEASE MARK PAINTED SURFACES AS PRIMARY & SECONDARY									
	S _x = 0.058	S _y = 0.115	Crimp ☐	Factor: 25	Min ☐	Ano. ☐	Drnr. ☐	Drn. ☐	Pc ☐	Solid ☐	Semi-hollow ☐	Class: ☐	Hollow ☐	Class: ☐

STRUCTURAL STEAKING
IS EXPECTED

UNIFORM PAINT COVERAGE
NOT EXPECTED IN THIS AREA

STANDARD COMMERCIAL TOLERANCES FOR EXTRUDED
PRODUCTS APPLY UNLESS SPECIFIED OTHERWISE

TYPE 010

TD0003-GCO

Die Number

Temp. Number

Design Number

intertek
Total Quality. Assured.

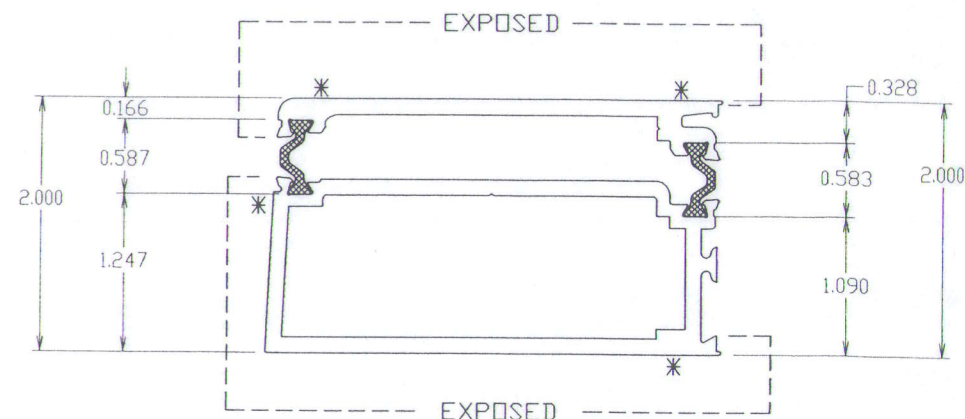
Report #: J3929-116-45

Date: 02/18/2019

Verified by: *Megan M. Young*

14.8MM "C" THERMAL STRUT

INTERIOR
S-65080/DT-0002B



EXTERIOR
H-17549/DT-0001B

KEYMARK CORPORATION

FONDA, NY TEL. (518) 853-3421
LAKELAND, FL TEL. (863) 858-5500
WWW.KEYMARKCORP.COM

Unspecified
Wall Thickness

Break Ext. Corners
.015 Radius or as Noted

Customer
GAMCO

Job Name
D350T SERIES

Part Title
STILE STRUT ASSEMBLY

Alloy

Area (in²)

Finish Perimeter (in)

Temper

Wt./Ft. (Lbs)

Total Perimeter (in)

Cavity Size
10

Circle Size (in)

Exterior Perimeter (in)

Customer's
Part Number

TD-0003

Scale
1:1

Date
01-23-19

Drawn
MJD

Checked

Sym.	Revisions	Date

Estimated For Reference Only	I _x =	I _y =	Alodine ☐	Type: 010
	S _x =	S _y =	Crimp ☐	Factor:

MIL ☐ Ano. ☒ Drnr. ☒ Drcn. ☒ Pc ☐ Solid ☐ Semi-hollow ☐ Class: ☐ Hollow ☐ Class: ☐ FP

Customer signature on this print indicates approval of design and dimensions as shown, and customer agrees to accept all legal responsibilities for patent and or trade mark infringement related to this shape and hold (save) Keymark harmless from any claims, suits, actions or demands arising there from. This drawing is the property of Keymark Corporation and may not be redistributed without written consent.

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STRUCTURAL STREAKING
IS EXPECTED

UNIFORM PAINT COVERAGE
NOT EXPECTED IN THIS AREA



STANDARD COMMERCIAL TOLERANCES FOR EXTRUDED
PRODUCTS APPLY UNLESS SPECIFIED OTHERWISE

TYPE 010

TD0002-GC0

Die Number

Temp. Number

Design Number

intertek
Total Quality. Assured.

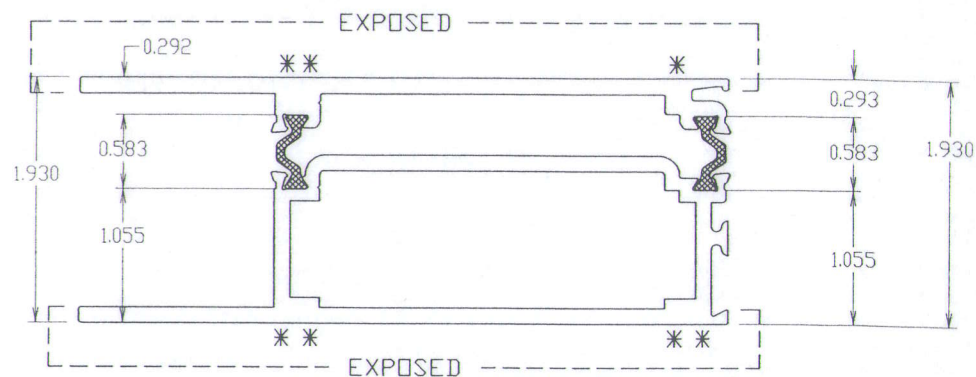
Report #: J3929-116-45

Date: 02/18/2019

Verified by: *Megan M. Young*

14.8MM "C" THERMAL STRUT

INTERIOR
S-65082/DT-0006B



EXTERIOR
H-17551/DT-0005B

KEYMARK CORPORATION



FONDA, NY TEL. (518) 853-3421
LAKELAND, FL TEL. (863) 858-5500
WWW.KEYMARKCORP.COM

Unspecified
Wall Thickness:

Break Ext. Corners
.015 Radius or as Noted

Customer GAMCO	Customer's Part Number TD-0002
Job Name D350T SERIES	Scale 1:1
Part Title BOTTOM RAIL STRUT ASSEMBLY	Date 01-24-19
Alloy	Area (in ²)
Temper	Wt./Ft. (Lbs)
Cavity Size 10	Circle Size (in)
Finish Perimeter (in)	Total Perimeter (in)
Exterior Perimeter (in)	Checked

Sym.	Revisions	Date

Estimated For Reference Only	I _x =	I _y =	Atolne ☐	Type: 010
	S _x =	S _y =	Crimp ☐	Factor:

MIL ☐ Ano. ☒ Drnr. ☒ Drcn. ☒ Pc ☐

Solid ☐ Semi-hollow ☐ Class: ☐ Hollow ☐ Class: ☐ FP

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STRUCTURAL STREAKING
IS EXPECTED

UNIFORM PAINT COVERAGE
NOT EXPECTED IN THIS AREA



STANDARD COMMERCIAL TOLERANCES FOR EXTRUDED
PRODUCTS APPLY UNLESS SPECIFIED OTHERWISE

TYPE 010

TD0001-GCO

Die Number

Temp. Number

Design Number

intertek
Total Quality. Assured.

Report #: J3929-116-45

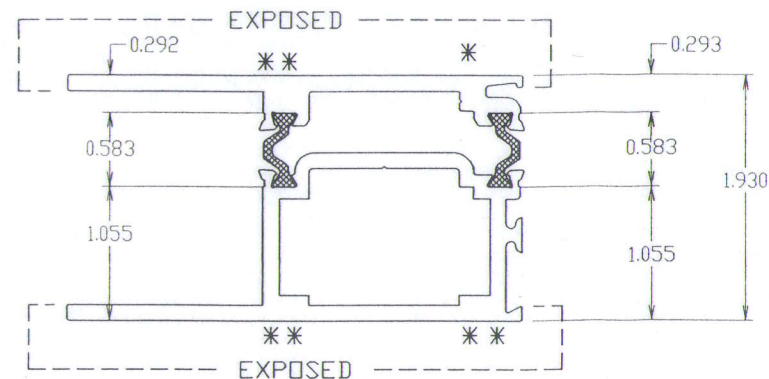
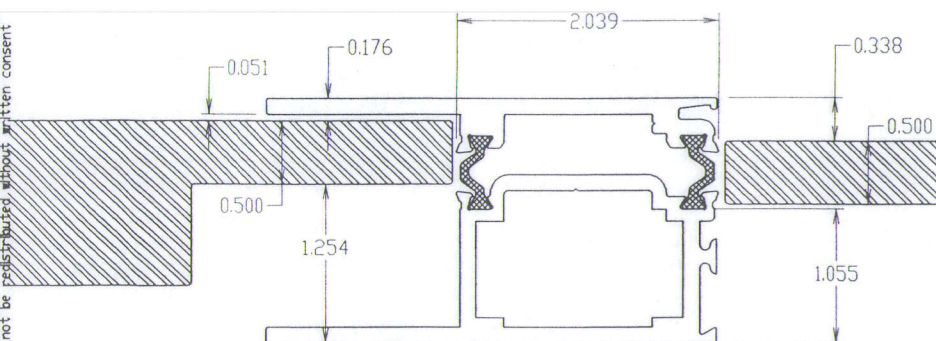
Date: 02/18/2019

Verified by:

Megan M. Yungt

14.8MM "C" THERMAL STRUT

INTERIOR
S-65081/DT-0004B



EXTERIOR
H-17550/DT-0003B

KEYMARK CORPORATION



FONDA, NY TEL. (518) 853-3421
LAKELAND, FL TEL. (863) 858-5500
WWW.KEYMARKCORP.COM

Unspecified
Wall Thickness:

Break Ext. Corners
.015Radius or as Noted

Customer
GAMCO

Customer's
Part Number
TD-0001

Job Name
D350T SERIES

Part Title
TOP RAIL STRUT ASSEMBLY

Scale
1:1

Alloy

Area (In²)

Finish Perimeter (In)

Date
01-24-19

Temper

Wt./Ft. (Lbs)

Total Perimeter (In)

Drawn
MJD

Cavity Size
10

Circle Size (In)

Exterior Perimeter (In)

Checked

Sym.	Revisions	Date

Estimated For Reference Only	I _x =	I _y =	Alodine ☐	Type: 010
	S _x =	S _y =	Crimp ☐	Factor:

MILL ☐ Ana. ☒ Dmr. ☒ Drcn. ☒ Pc ☐

Solid ☐ Semi-hollow ☐ Class: ☐ Hollow ☐ Class: ☐ FP

Sym.	Revisions	Date

☐ Solid
 ☒ Semi-hollow
 ☐ Class I
 ☐ Hollow
 ☐ Class II

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STRUCTURAL STREAKING
IS EXPECTED

LIGHT PAINT COVERAGE
EXPECTED IN THIS AREA



STANDARD COMMERCIAL TOLERANCES FOR EXTRUDED
PRODUCTS APPLY UNLESS SPECIFIED OTHERWISE

S-65087

Die Number

T-44366

Temp. Number

Design Number

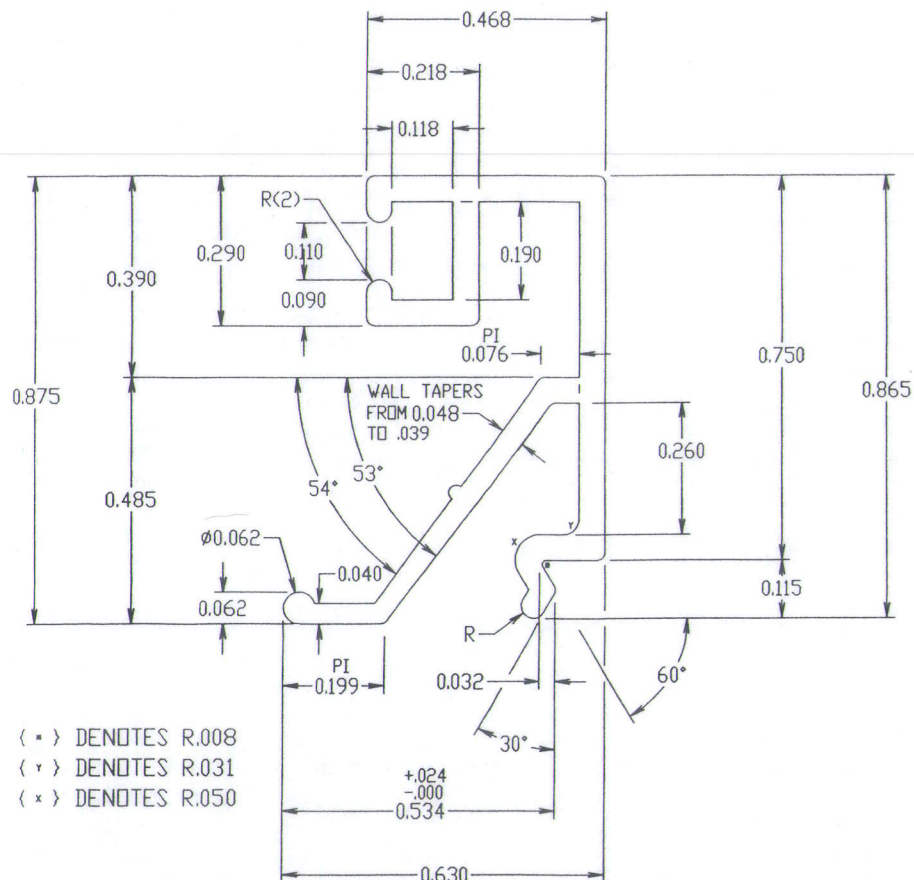
intertek
Total Quality. Assured.

Report #: J3929-116-45

Date: 02/18/2019

Verified by: *Megan M. Young*

ACTUAL SIZE



{ * } DENOTES R.008
{ v } DENOTES R.031
{ x } DENOTES R.050

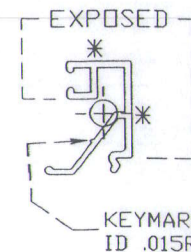
FOR ASSEMBLY
REFER TO H-17549

FOR ASSEMBLY
REFER TO H-17550

FOR ASSEMBLY
REFER TO H-17551

FOR ASSEMBLY
REFER TO H-17552

FOR ASSEMBLY
REFER TO H-17553



S-65087 MATES WITH:
H-17549 DT-0001B
H-17550 DT-0003B
H-17551 DT-0005B
H-17552 DT-0001I
H-17553 DT-0009B

KEYMARK CORPORATION

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LAKELAND, FL TEL. (863) 858-5500
WWW.KEYMARKCORP.COM

Sym.	Revisions	Date

Unspecified
Wall Thickness: .050

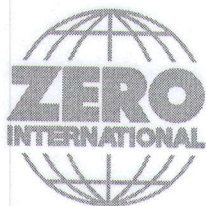
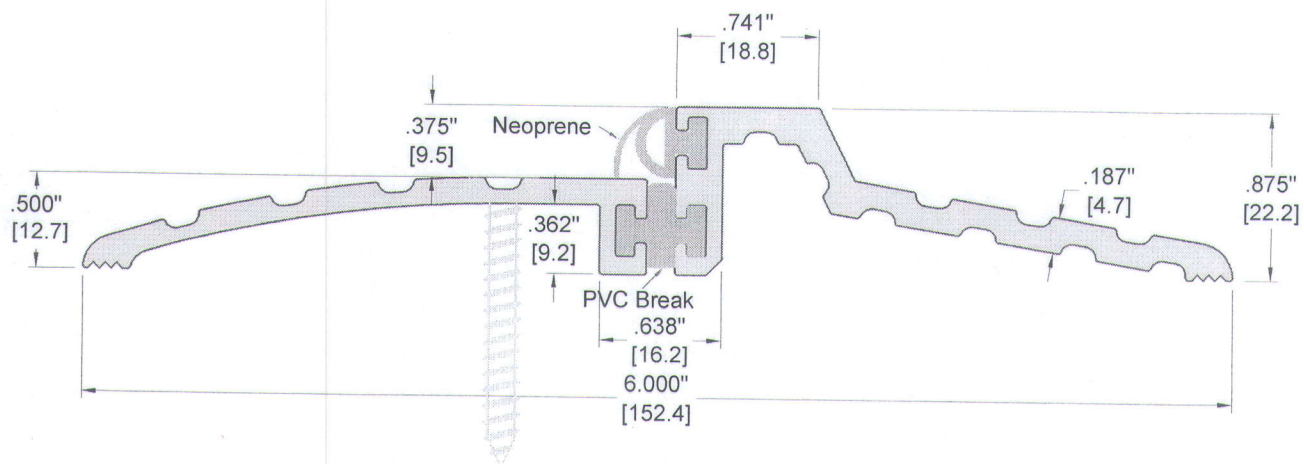
Break Ext. Corners
.015 Radius or as Noted

Customer GAMCO			Customer's Part Number DT-0007B	
Job Name TD350 SERIES THERMAL DOOR			Scale 4:1	
Part Title GLASS STOP			Date 01-24-19	
Alloy 6063	Area (In ²) 0.130	Finish Perimeter (In) 1.965	Drawn MJD	
Temper T-5	Wt./Ft. (Lbs) 0.156	Total Perimeter (In) 5.392	Checked 00	
Cavity Size	Circle Size (In) 1.0	Exterior Perimeter (In) 5.392		

Estimated For Reference Only	I _x = 0.011	I _y = 0.004	Alodine ☐	Type: 00
	S _x = 0.023	S _y = 0.008	Crimp ☐	Factor: 35

PLEASE MARK PAINTED SURFACES
AS PRIMARY & SECONDARY

Mill ☐ Ano. ☐ Drnr. ☐ Drcn. ☐ Pc ☐ Solid ☐ Semi-hollow ☐ Class: ☐ Hollow ☐ Class: ☐

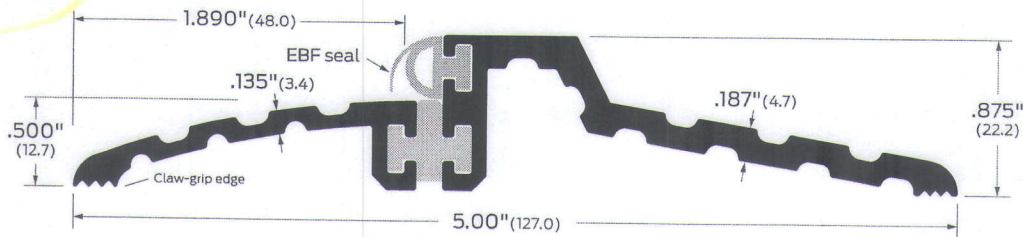


526
Rabbeted Threshold
- Thermal Break



Thermal break thresholds

525



Finishes:
A, BK, D, G

Options:
E, EL, V3,
EV3, ELV3



ANSI/BHMA:

525A, 525BK, 525D, 525G
525A-E, 525BK-E, 525D-E, 525G-E

J36190

Neoprene extruded bulb/finger for double-sealing protection.

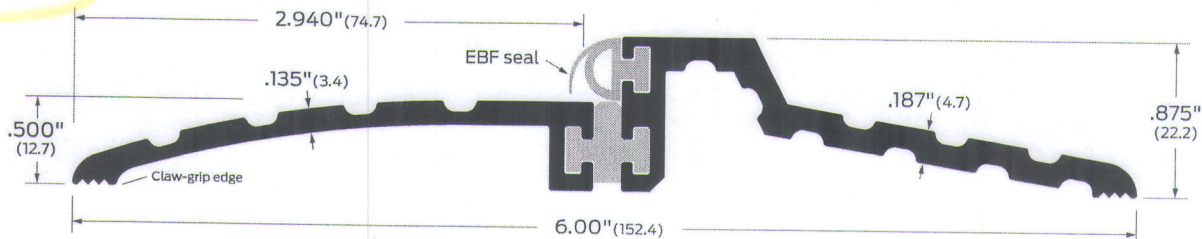
intertek
Total Quality. Assured.

Report #: J3929-116-45

Date: 02/18/2019

Verified by: *Megan M. Yung*

526



Finishes:
A, BK, D, G

Options:
E, EL, V3,
EV3, ELV3



ANSI/BHMA:

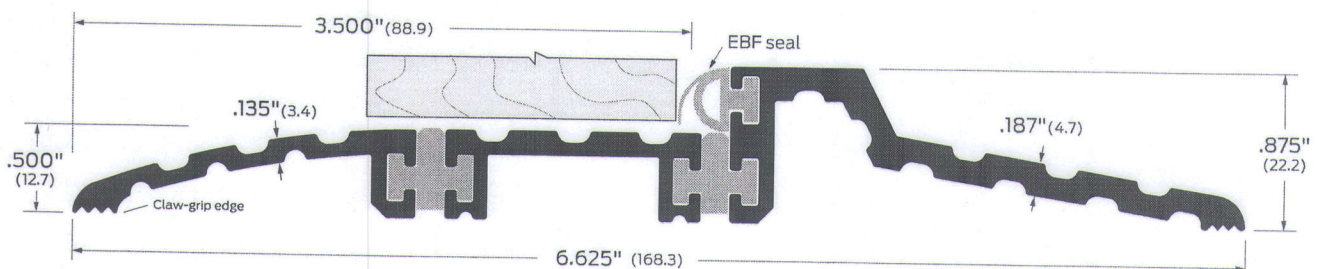
526A, 526BK, 526D, 526G
526A-E, 526BK-E, 526D-E, 526G-E

J36190

J36290

Neoprene extruded bulb/finger for double-sealing protection.

8729



Finishes:
A, BK, D, G

Options:
E, EL, V3,
EV3, ELV3



ANSI/BHMA:

8729A, 8729BK, 8729D, 8729G
8729A-E, 8729BK-E, 8729D-E, 8729G-E

J36190

J36290

Neoprene extruded bulb/finger for double-sealing protection.

See Thresholds Accessories & options page for details.

Finishes:

A Aluminum mill finish
BK Aluminum black anodized
D Aluminum dark bronze anodized
G Aluminum gold anodized
B Bronze, architectural mill finish
B-ORB Oil-rubbed bronze

Options:

E Epoxy abrasive tread
EL Photoluminescent and abrasive epoxy tread
V3 Full body strength fill
EV3 Epoxy and full body strength fill
ELV3 Photoluminescent and abrasive epoxy tread, full body strength fill

Note:

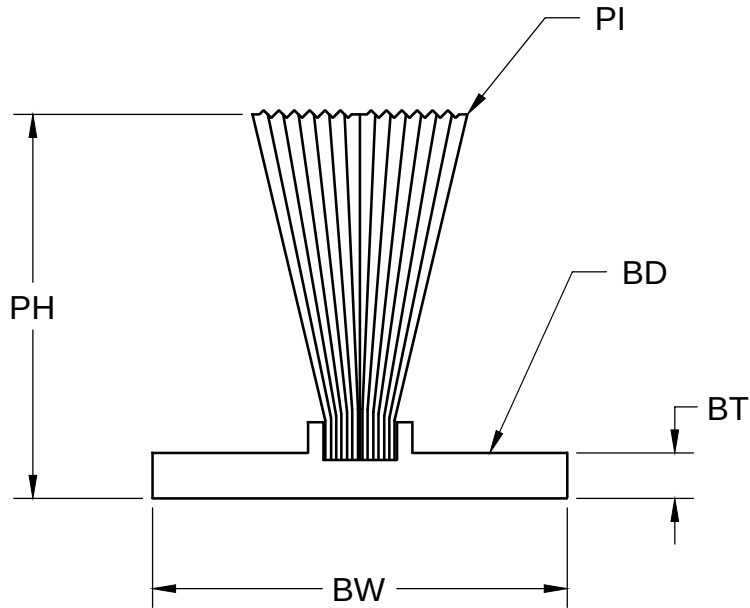
Special anchors available for mounting most thresholds on concrete surfaces.

Width dimensions for thresholds on this page are nominal. Slight variations may result from thermal break manufacturing.



Report #: J3929-116-45

Date: 02/18/2019

Verified by: *Megan M. Young*

REVISIONS

REV	DESCRIPTION	DATE	APPR	ECR NO
A	RELEASE FOR MANUFACTURE	04/20/2018	APPR	3969

PRODUCT DIMENSIONS / DESCRIPTION

ITEM	DESCRIPTION	NOMINAL DIM	TOLERANCES
PI	PILE	VERY HIGH DENSITY / GRAY / PP	
PH	PILE HEIGHT	0.250	+0.015/-0.010
BW	BACKING WIDTH	0.270	±0.005
BT	BACKING THICKNESS	0.0295	±0.0015
BD	BACKING DESCRIPTION	GRAY / PP	

SOFTWARE: AUTOCAD

VERSION: 18.0

DRAWN:
CRS 04/20/2018CHECKED:
APR 04/20/2018

CUST. APPR.:

ISSUED: 04/20/2018

ULTRAFAB INC.

1050 HOOK ROAD
FARMINGTON, NY 14425
www.ultrafab.com

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CUSTOMER DRAWING

.270" X .250", GRAY, Ultra Pile®

W11255NG000G

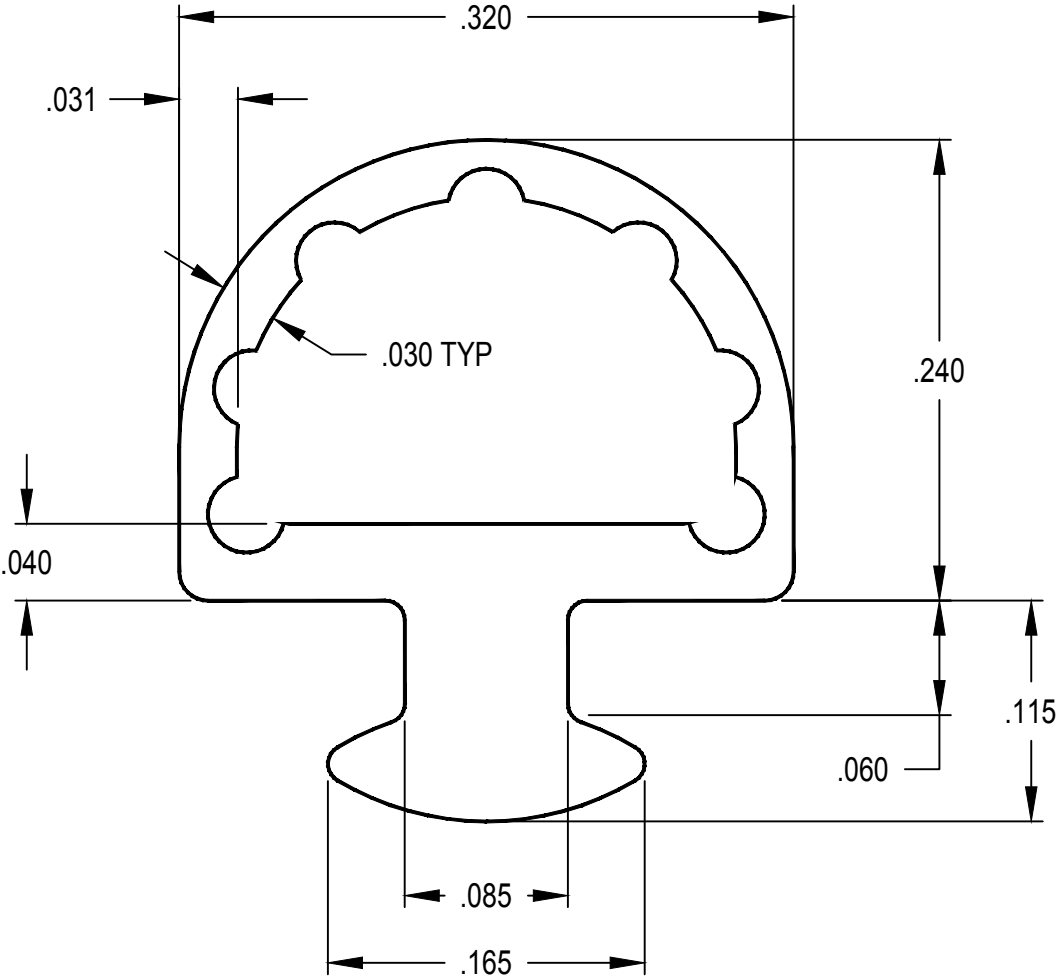
SIZE	CAGE CODE	DRAWING NUMBER	REV
A	N/A	10-26-16	A

1) ALL DIMENSIONS ARE IN INCHES
NOTES:

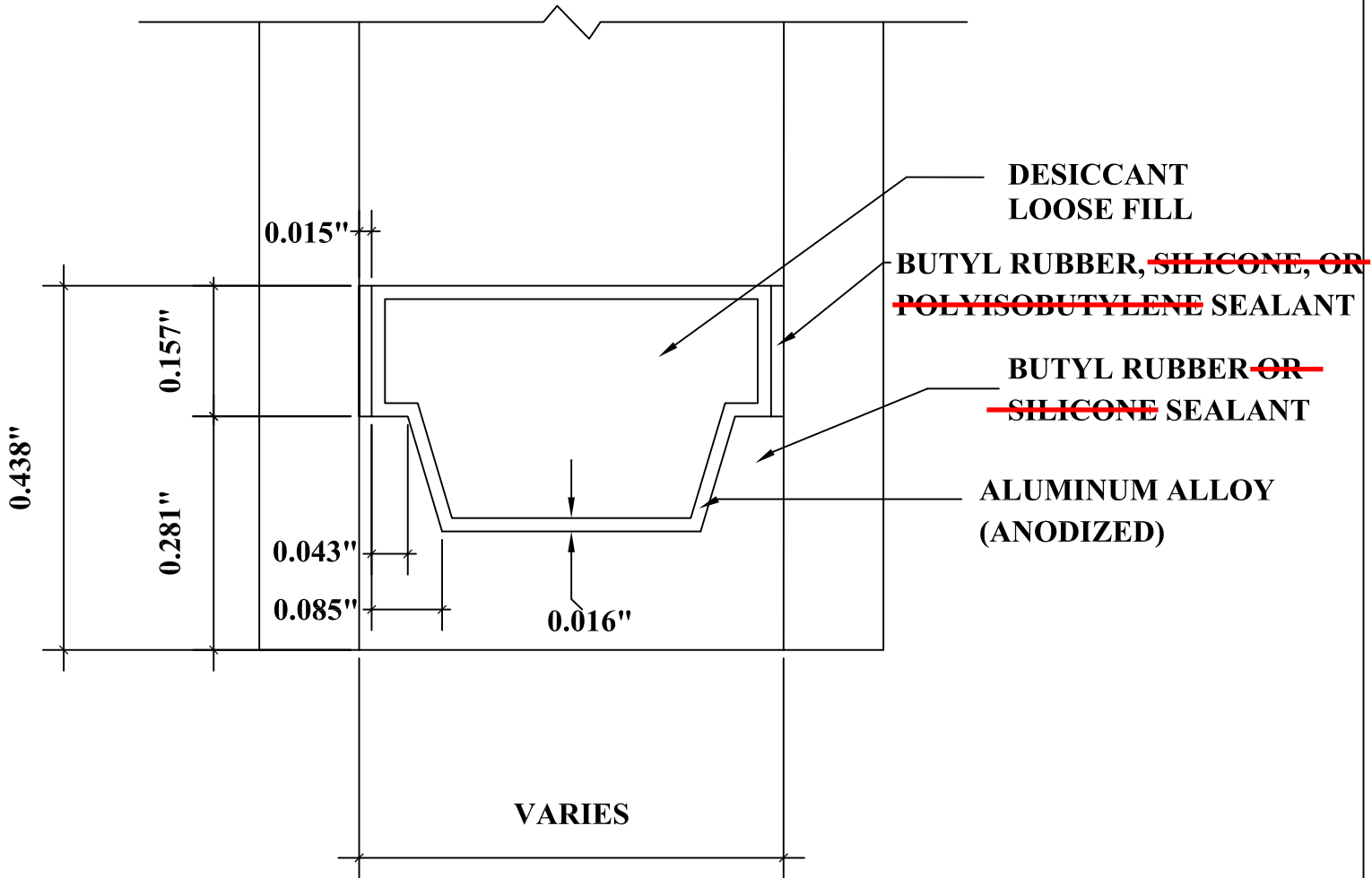
SCALE 8:1 DO NOT SCALE SHEET 1 OF 3



FULL SCALE



No.	Date	Description	By
TREMCO® 1451 Jacobson Ave • Ashland, Ohio 44805 U.S.A.			
Customer:		Customer Part No.	
Project:			
Drawn by:		Scale: 10X	Date:
Compound: EPDM		Designed F.C. *	Drawing No.
Durometer: 60 ±5		Area:	TR-6032E



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



Total Quality. Assured.

130 Derry Court
York, PA, 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

TEST REPORT FOR GAMCO CORPORATION

Report No.: J3829.01-116-45 R0

Date: 02/18/19

SECTION 8

REVISION LOG

REVISION #	DATE	PAGES	REVISION
.01R0	02/18/19	All	Original Report Issued to Gamco Corporation.