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FRAMELESS GLASS CURTAINS LIMITED

COMPUTER SIMULATION REPORT

SCOPE OF WORK
FOLDING DOOR SYSTEM - NFRC 100/200/500

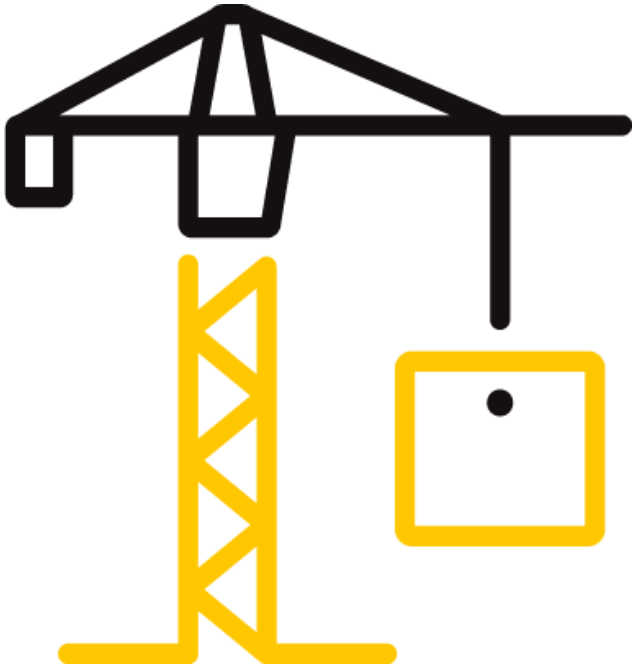
REPORT NUMBER
S2916.03-116-45 R0

TEST DATE
06/26/25

ISSUE DATE
06/26/25

PAGES
27

DOCUMENT CONTROL NUMBER
RT-R-AMER-Test-4044 (04/11/22)



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TEST REPORT FOR FRAMELESS GLASS CURTAINS LIMITED
Report No: S2916.03-116-45 R0
Date: 06/26/25

REPORT ISSUED TO

FRAMELESS GLASS CURTAINS LIMITED
Unit 6, Ballard Business Park, Cuxton Road
Strood, Kent ME2 2NY, United Kingdom

SECTION 1

SUMMARY

SERIES/MODEL: Folding Door System

Architectural Testing, Inc. (an Intertek company) dba Intertek Building & Construction (B&C) was contracted to perform U-Factor, Solar Heat Gain Coefficient, Visible Transmittance and Condensation Resistance simulations in accordance with the National Fenestration Rating Council (NFRC).

This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. Intertek B&C will service this report for the entire test record retention period. The test record retention period ends five years after the test date. Test records, such as detailed drawings, datasheets, representative samples of test specimens, or other pertinent project documentation, will be retained for the entire test record retention period.

FOR INTERTEK B&C:

COMPLETED BY:	Cody L. French	**REVIEWED BY:**	Eric S. Leitner
TITLE:	Simulation Technician	**TITLE:**	Manager - Simulations and Thermal Testing, SIRC
SIGNATURE:	Digitally Signed by: Cody French	**SIGNATURE:**	Digitally Signed by: Eric S. Leitner
DATE:	06/26/25	**DATE:**	06/26/25

CLF:clf

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SECTION 2
TEST METHODS

The products were evaluated in accordance with the following:

ANSI/NFRC 100-2023, *Procedure for Determining Fenestration Product U-Factors*

ANSI/NFRC 200-2023, *Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence*

NFRC 500-2017, *Procedure for Determining Fenestration Product Condensation Resistance Values*

**Condensation Resistance results obtained from this procedure are for controlled laboratory conditions and do not include the effects of air movement through the specimen, solar radiation, and the thermal bridging that may occur due to the specific design and construction of the fenestration system opening.*

Ratings values included in this report are for submittals to an NFRC-licensed IA and are not meant to be used directly for labeling purposes. Only those values identified on a valid Certificate of Authorization (CA) by an NFRC accredited Inspection Agency (IA) are to be used for labeling purposes. The ratings values were rounded in accordance with NFRC 601, NFRC Unit and Measurement Policy.

Intertek B&C is an NFRC accredited simulation laboratory and all simulations were conducted in full compliance with NFRC approved procedures and specifications. The values included in this report are not considered in compliance with ANSI/NFRC 100, ANSI/NFRC 200, and/or NFRC 500 unless the associated validation test requirements have been satisfied, as applicable.

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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 7.8.71
CENTER-OF-GLASS MODELING	WINDOW 7.8.71
TOTAL PRODUCT CALCULATIONS	WINDOW 7.8.71
SPECTRAL DATA LIBRARY	IGDB 106

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.

SECTION 4
SIMULATION SPECIMEN DESCRIPTION

SERIES/MODEL	Folding Door System
PRODUCT TYPE	Swinging Entrance Door (Double)
FRAME MATERIAL	AT - Aluminum w/ Thermal Breaks
SASH MATERIAL	AT - Aluminum w/ Thermal Breaks
STANDARD SIZE	1920mm x 2090mm

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Date: 06/26/25

SECTION 4 (Continued)
SIMULATION SPECIMEN DESCRIPTION

SPACER OPTIONS			
TYPE	***PRIMARY SEAL***	***SECONDARY SEAL***	***CODE***
Glass Spacer Bar	Butyl Rubber	-	GL-S

GRID OPTIONS		
GRID SIZE	***GRID TYPE***	***GRID PATTERN***
None	-	-

REINFORCEMENT OPTIONS	
LOCATION	***MATERIAL***
None	-

GAS FILLING TECHNIQUE	
FILL TYPE	***METHOD***
90% Argon	Single Probe
90% Krypton	Dual Probe

EDGE-OF-GLASS CONSTRUCTION	
INTERIOR CONDITION	Silicone sealant between aluminum sash and glazing
EXTERIOR CONDITION	Silicone sealant between aluminum sash and glazing

WEATHERSTRIPPING		
TYPE	***QUANTITY***	***LOCATION***
Foam Gasket	1 row	Sill sash
Foam Gasket	2 rows	Stile sash
Finpiles	3 rows	Sill sash
Finpiles	4 rows	Stile sash and Sill frame

FRAME/SASH MATERIALS FINISH	
INTERIOR	Aluminum (Painted)
EXTERIOR	Aluminum (Painted)

VALIDATION MATRIX*	
PRODUCT LINE	***REPORT NUMBER***
None	-

**These products are part of a validation matrix. Only one is required for validation testing.*

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SECTION 5
SPECIALTY PRODUCTS TABLE

The specialty products method allows the manufacturer to determine the overall product SHGC and VT for any glazing option. The center of glass SHGC and/or VT must be determined using WINDOW 7.8.71. The method calculates overall product SHGC and VT indexed on center of glass properties. All values used in the calculations are truncated to six decimal place precision.

	No Dividers	Dividers < 1	Dividers > 1
SHGC0	0.011472	0.014643	0.017599
SHGC1	0.758695	0.666290	0.580181
VT0	0.000000	0.000000	0.000000
VT1	0.747223	0.651647	0.562582

$$SHGC = SHGC0 + SHGCc\ (SHGC1 - SHGC0)$$

$$VT = VT0 + VTc\ (VT1 - VT0)$$

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Report No: S2916.03-116-45 R0
Date: 06/26/25

SECTION 6
SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (Folding Door System)

Option Number	Pane Thickness 1 (in)	Gap Width 1 (in)	Pane Thickness 2 (in)	Gap Width 2 (in)	Pane Thickness 3 (in)	Gap Width 3 (in)	Pane Thickness 4 (in)	Gap Fill	Low-e (Surface #)	Tint	Spacer	Grid Type
	U-Factor (Btu/Hr-Ft2-F)			**Solar Heat Gain Coefficient (SHGC) Grids (None / <1 / >=1)**					**Visible Transmittance (VT) Grids (None / <1 / >=1)**		**Condensation Resistance (CR)**	
1												
2												
3												
4												
5												
6												
7												
8												
9												
10	NO FOAM: PLANITHERM ONE / ARG90 / PLANICLEAR / ARG90 / PLANITHERM ONE (4mm/4mm/4mm) 32mm IG											
	0.157	0.394	0.157	0.394	0.157			ARG90	0.030(#2) / 0.030(#5)	CL	GL-S	N
	U-Factor		**0.30**	**SHGC(N)**			**0.27**		**VT(N)**	**0.42**	**CR**	**40**

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Date: 06/26/25

SECTION 6 (Continued)
SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (Folding Door System)

Option Number	Pane Thickness 1 (in)	Gap Width 1 (in)	Pane Thickness 2 (in)	Gap Width 2 (in)	Pane Thickness 3 (in)	Gap Width 3 (in)	Pane Thickness 4 (in)	Gap Fill	Low-e (Surface #)	Tint	Spacer	Grid Type
	U-Factor (Btu/Hr-Ft2-F)			Solar Heat Gain Coefficient (SHGC) Grids (None / <1 / >=1)					Visible Transmittance (VT) Grids (None / <1 / >=1)		Condensation Resistance (CR)	
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												

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SECTION 6 (Continued)
SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (Folding Door System)

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	U-Factor (Btu/Hr-Ft2-F)			Solar Heat Gain Coefficient (SHGC) Grids (None / <1 / >=1)					Visible Transmittance (VT) Grids (None / <1 / >=1)		Condensation Resistance (CR)	
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												

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SECTION 6 (Continued)
SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (Folding Door System)

Option Number	Pane Thickness 1 (in)	Gap Width 1 (in)	Pane Thickness 2 (in)	Gap Width 2 (in)	Pane Thickness 3 (in)	Gap Width 3 (in)	Pane Thickness 4 (in)	Gap Fill	Low-e (Surface #)	Tint	Spacer	Grid Type
	U-Factor (Btu/Hr-Ft2-F)			Solar Heat Gain Coefficient (SHGC) Grids (None / <1 / >=1)					Visible Transmittance (VT) Grids (None / <1 / >=1)		Condensation Resistance (CR)	
31												
32												
33												
34	NO FOAM: COOL-LITE SKN 176 II / KRY90 / PLANITHERMONE (6MM/6MM) 27MM IG											
	0.236	0.591	0.236					KRY90	0.016(#2) / 0.030(#4)	CL	GL-S	N
	U-Factor		**0.30**	**SHGC(N)**			**0.22**		**VT(N)**	**0.45**	**CR**	**35**
35												
36												
37												
38												
39												
40												

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SECTION 6 (Continued)
SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (Folding Door System)

Option Number	Pane Thickness 1 (in)	Gap Width 1 (in)	Pane Thickness 2 (in)	Gap Width 2 (in)	Pane Thickness 3 (in)	Gap Width 3 (in)	Pane Thickness 4 (in)	Gap Fill	Low-e (Surface #)	Tint	Spacer	Grid Type
	U-Factor (Btu/Hr-Ft2-F)			Solar Heat Gain Coefficient (SHGC) Grids (None / <1 / >=1)					Visible Transmittance (VT) Grids (None / <1 / >=1)		Condensation Resistance (CR)	
41												
42												
43												
44												
45												
46												
47												
48												
49												
50												

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SECTION 6 (Continued)
SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (Folding Door System)

Option Number	Pane Thickness 1 (in)	Gap Width 1 (in)	Pane Thickness 2 (in)	Gap Width 2 (in)	Pane Thickness 3 (in)	Gap Width 3 (in)	Pane Thickness 4 (in)	Gap Fill	Low-e (Surface #)	Tint	Spacer	Grid Type	U-Factor (Btu/Hr-Ft2-F)	Solar Heat Gain Coefficient (SHGC) Grids (None / <1 / >=1)	Visible Transmittance (VT) Grids (None / <1 / >=1)	Condensation Resistance (CR)
51																
52																
53																
54																
55																
56																
57																
58																
59																
60																

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SECTION 6 (Continued)
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TOTAL PRODUCT CALCULATIONS (Folding Door System)

Option Number	Pane Thickness 1 (in)	Gap Width 1 (in)	Pane Thickness 2 (in)	Gap Width 2 (in)	Pane Thickness 3 (in)	Gap Width 3 (in)	Pane Thickness 4 (in)	Gap Fill	Low-e (Surface #)	Tint	Spacer	Grid Type
	U-Factor (Btu/Hr-Ft2-F)			Solar Heat Gain Coefficient (SHGC) Grids (None / <1 / >=1)					Visible Transmittance (VT) Grids (None / <1 / >=1)		Condensation Resistance (CR)	
61												
62												
63												
64												
65												
66												
67												
68												
69												
70												

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SECTION 6 (Continued)
SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (Folding Door System)

Option Number	Pane Thickness 1 (in)	Gap Width 1 (in)	Pane Thickness 2 (in)	Gap Width 2 (in)	Pane Thickness 3 (in)	Gap Width 3 (in)	Pane Thickness 4 (in)	Gap Fill	Low-e (Surface #)	Tint	Spacer	Grid Type
	U-Factor (Btu/Hr-Ft2-F)			Solar Heat Gain Coefficient (SHGC) Grids (None / <1 / >=1)					Visible Transmittance (VT) Grids (None / <1 / >=1)		Condensation Resistance (CR)	
71												
72												
73												
74												
75												
76												
77												
78												
79												
80												

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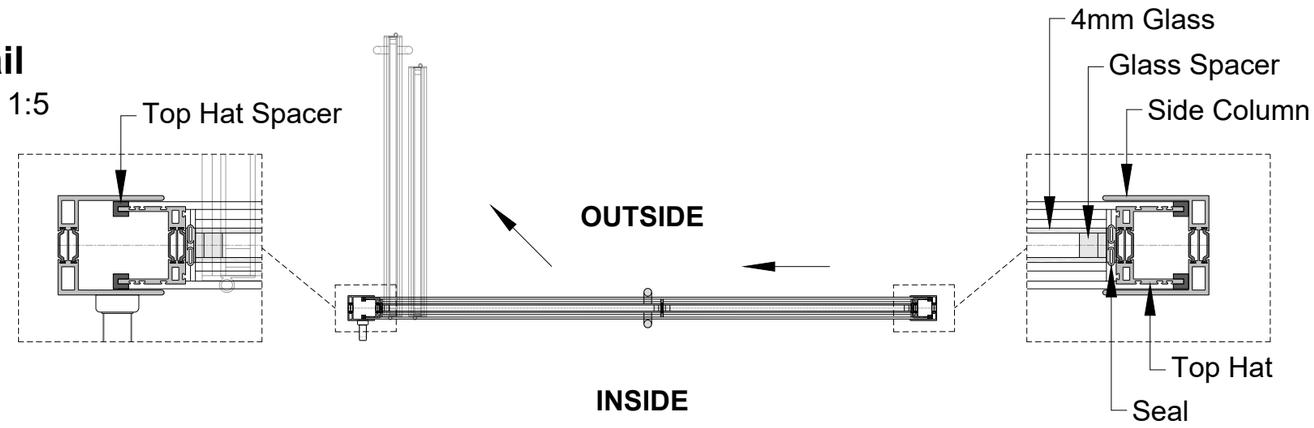
SECTION 7
DRAWINGS / BILL OF MATERIALS

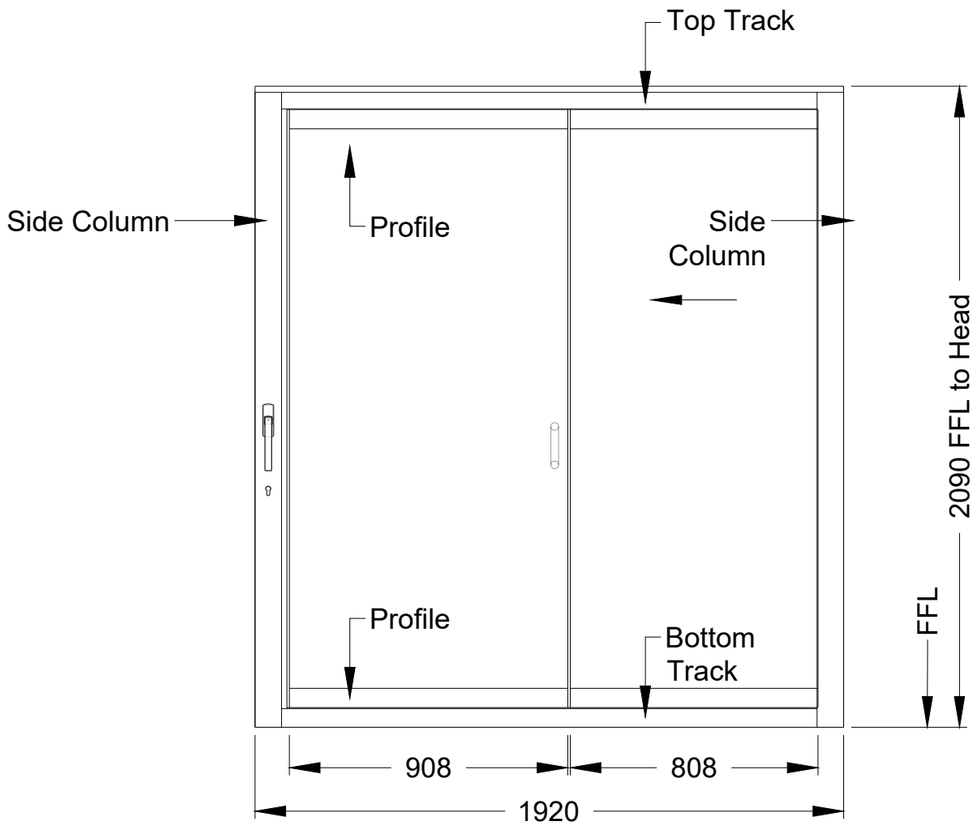
The drawings which follow have been reviewed by Intertek B&C and are representative of the simulation results reported herein. Any deviations are documented herein or on the drawings.

Width : 1920 mm
Height : 2090 mm

Detail
Scale 1:5

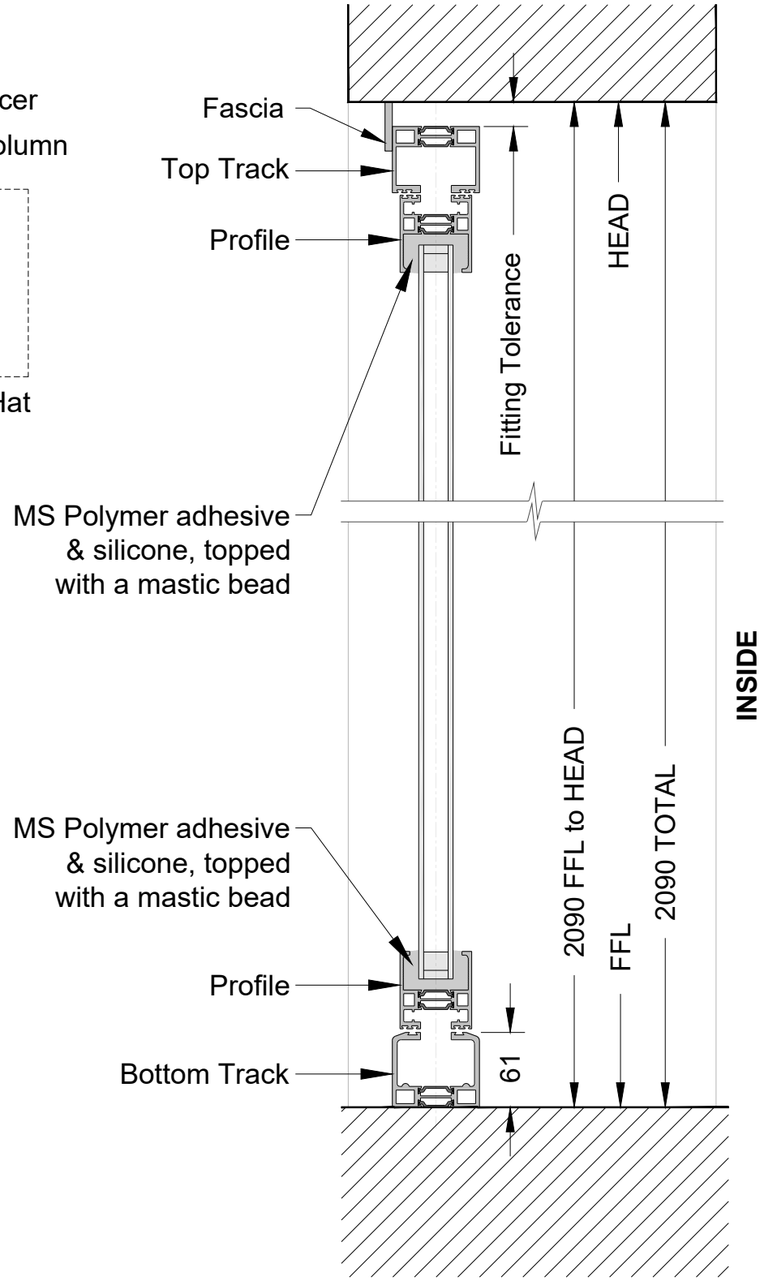


Plan View



Elevation viewed from inside

Elevation
Scale 1:20



Section
Scale 1:5

intertek
Report #: S2916-116-45
Date: 4/8/2025
Verified by:

REV:	DESCRIPTION:	DATE:
A	Notes added to vertical section	13/12/24

FGC FRAMELESS GLASS CURTAINS

This Drawing is the Property of Frameless Glass Curtains LTD
Bottom track level threshold is **5mm** above finished floor level (FFL)
To ensure the track is not pinched a **5mm expansion gap** must be used on both sides
All Internal and External Finishes are Completed by Others to Suit Frame Installation by FGC
Head Detail to be Confirmed Prior to Approval Manufacture
An **18mm** tolerance to opening handle back plate is required please advise on reveal finishes prior to approval of manufacture
Drawings show structural dimensions
FGC will allow for their own tolerance for the Manufactured Dimensions

CRITICAL DIMENSIONS

Finished Floor Level (FFL) to Head & wall opening dimensions are critical to manufacture. The critical dimensions must NOT be changed post FGC survey
Any changes to these levels after manufacture will result in re-manufacture of FGC components at the clients expense.

Any Tolerances Shown are for FGC's fitting to allow for dimensional variations in glass panels

Finish Details

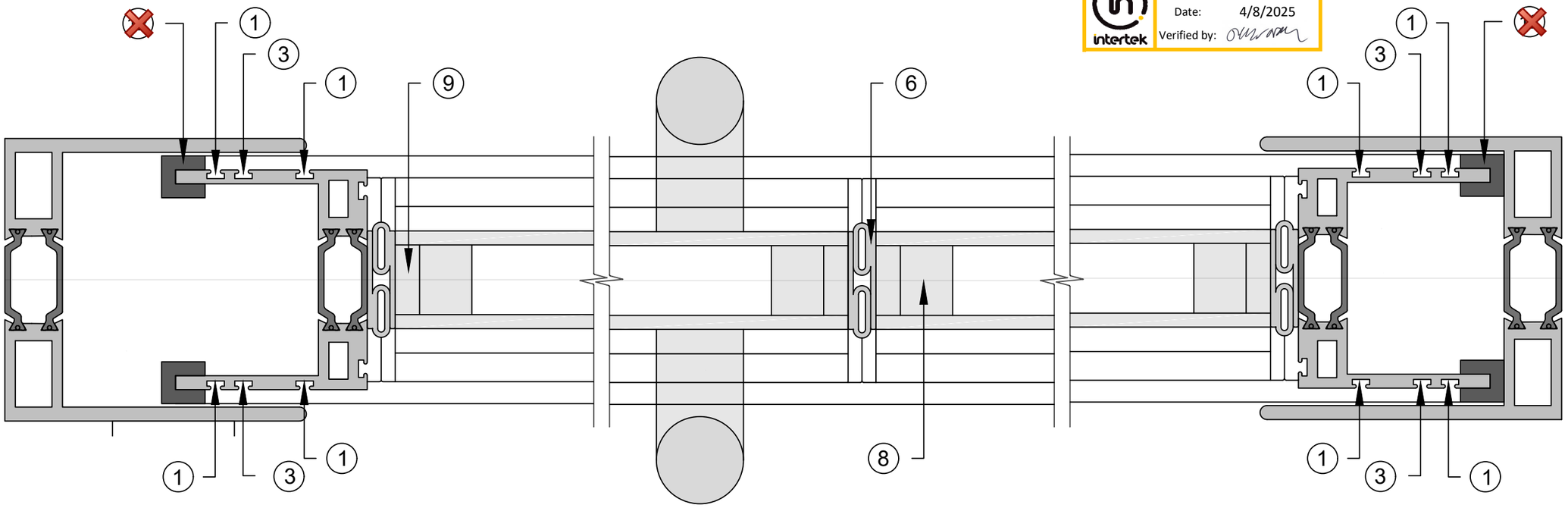
Colour : **RAL ?**
Glass Handle : **Small Round**
External Compression Handle : **None**
Drop Pins : **No**
Holder : **No**
Trickle Vent : **x ?**
Marine Finish : **No**
Glass Type : **Double Glazed Toughened Planitherm 1**

CLIENT: FGC

TITLE: Elevations & Sections P5 Double Glazed 2 Panel Door Opening Outwards

SCALE AT A3:	DATE:	CONTRACT NO:
1:20 & 1:5	12/12/24	N/A

DRAWING NO: NRFC-01
REVISION: A

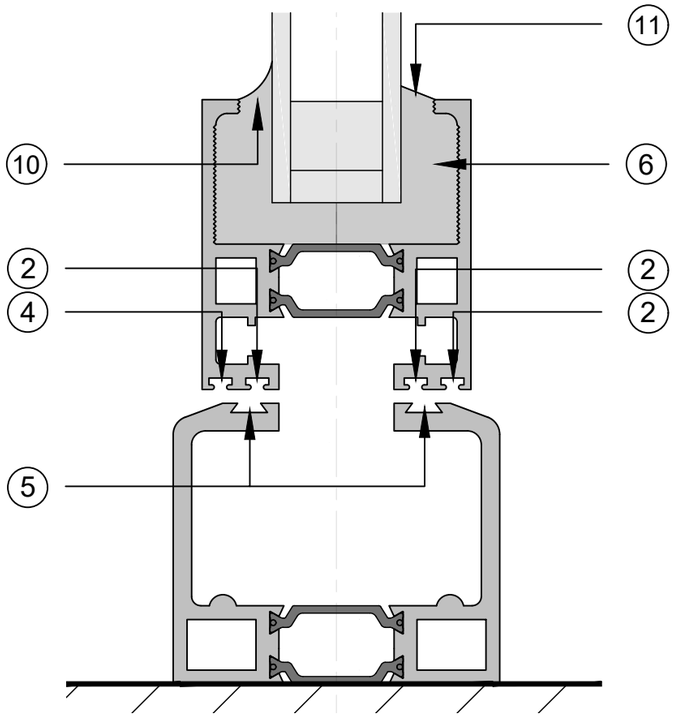


Horizontal Section
Column & Top Hat - Staid Side

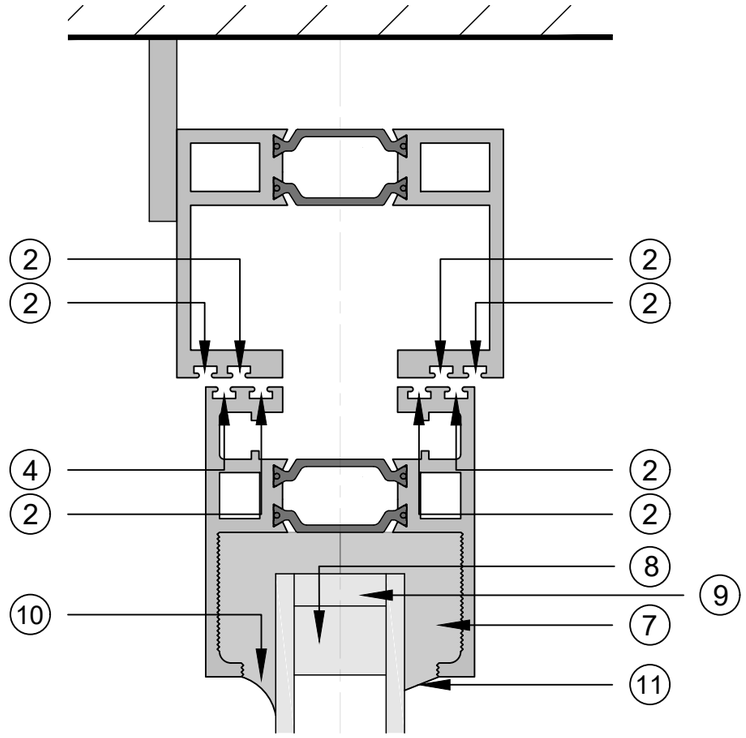
Horizontal Section
Panel Joint

Horizontal Section
Column & Top Hat - Compression Side

1	Schlegel/Vinyl Wrapped Foam
2	Fur/Polypile (Large)
3	Fur/Polypile (Small)
4	Rubber Gasket
5	White PVC strip
6	Rubber P Seal
7	Eurobond Quick Fix 2-Part Flex Adhesive Fast Curing
8	Glass Spacer Bar
9	Isomelt R
10	Wurth Bond & seal Power
11	Wurth Bond & seal Power
	C-shaped white rubber



Lower Vertical Section
Bottom Track & Panel Profile



Head Vertical Section
Top Track & Panel Profile

Report #: S2916-116-45
Date: 4/8/2025
Verified by:

FGC
FRAMELESS GLASS CURTAINS

This Drawing is the Property of Frameless Glass Curtains LTD
Bottom track level threshold is **5mm** above finished floor level (FFL)
To ensure the track is not pinched a **5mm expansion gap** must be used on both sides
All Internal and External Finishes are Completed by Others to Suit Frame Installation by FGC
Head Detail to be Confirmed Prior to Approval Manufacture
An **18mm** tolerance to opening handle back plate is required please advise on reveal finishes prior to approval of manufacture.
Drawings show structural dimensions
FGC will allow for their own tolerance for the Manufactured Dimensions.

CRITICAL DIMENSIONS

Finished Floor Level (FFL) to Head & wall opening dimensions are critical to manufacture.The critical dimensions must NOT be changed post FGC survey.
Any changes to these levels after manufacture will result in re-manufacture of FGC components at the clients expense.

Any Tolerances Shown are for FGC's fitting to allow for dimensional variations in glass panels

NOTE:

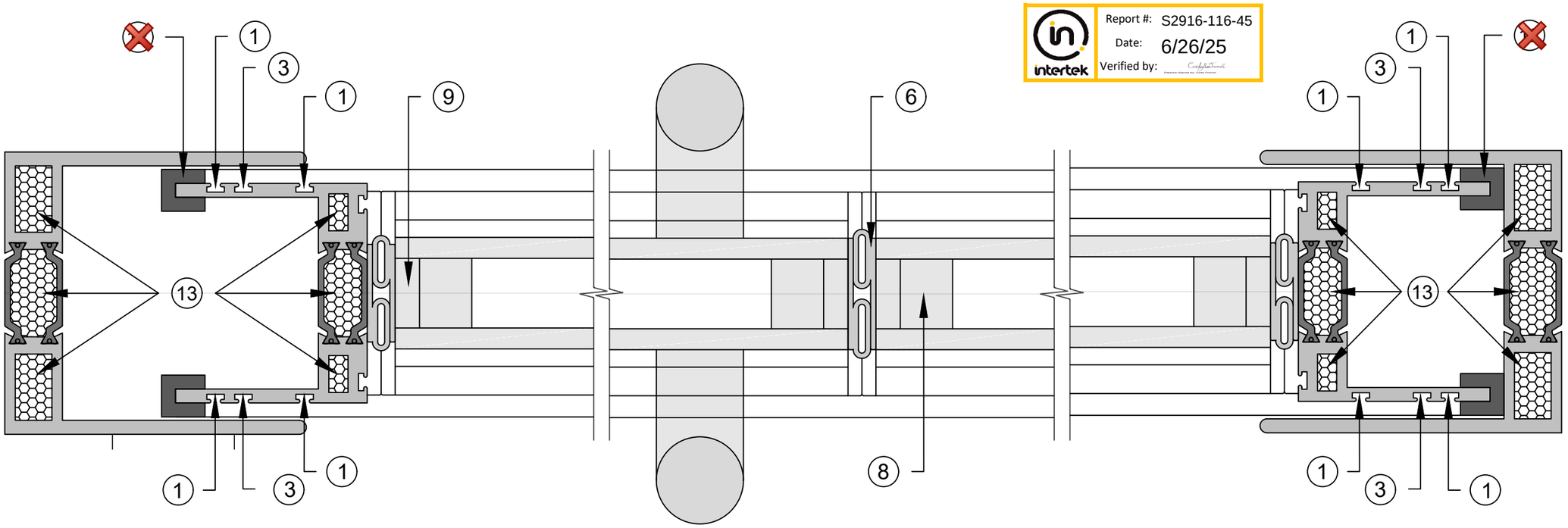
REV:	DESCRIPTION:	DATE:
A	Discriptions amended	07/04/25

CLIENT: FGC

TITLE: Horizontal & Vertical Sections
P5 Double Glazed
Seal & Fir Locations

SCALE AT A3:	DATE:	CONTRACT NO:
1 : 1	08/01/25	N/A

DRAWING NO:	REVISION:
UVAL01-SEALS	A

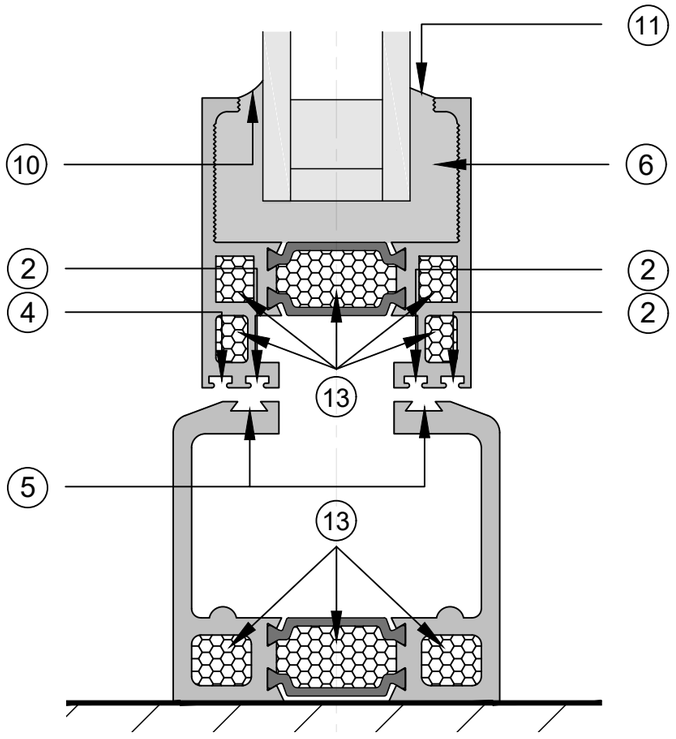


Horizontal Section
Column & Top Hat - Staid Side

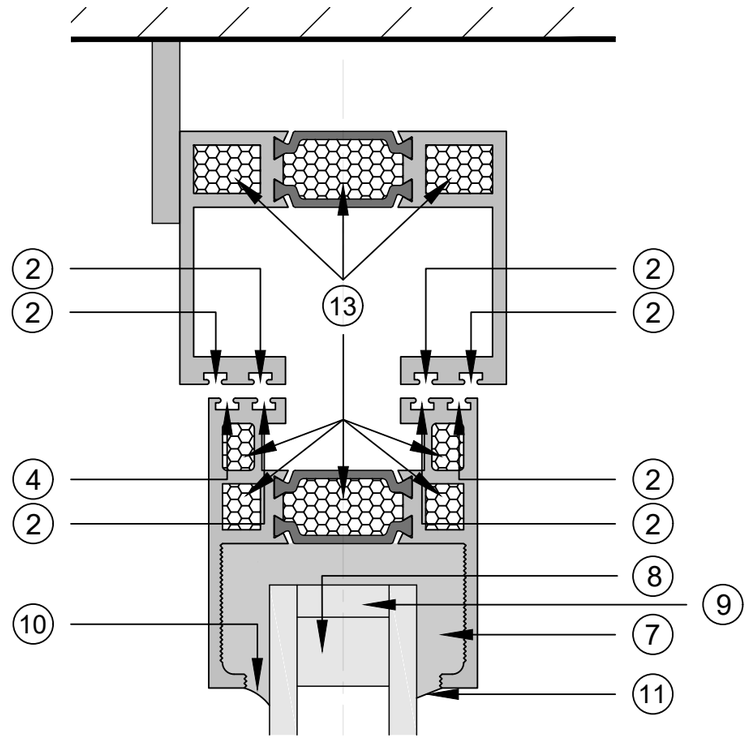
Horizontal Section
Panel Joint

Horizontal Section
Column & Top Hat - Compression Side

1	Schlegel/Vinyl Wrapped Foam
2	Fur/Polypile (Large)
3	Fur/Polypile (Small)
4	Rubber Gasket
5	White PVC strip
6	Rubber P Seal
7	Eurobond Quick Fix 2-Part Flex Adhesive Fast Curing
8	Glass Spacer Bar
9	Isomelt R
10	Wurth Bond & Seal Power
11	Wurth Bond & Seal Power
12	C-Shaped White Rubber
13	CRL Closed Cell Polyethylene Foam Insulation



Lower Vertical Section
Bottom Track & Panel Profile



Head Vertical Section
Top Track & Panel Profile

Report #: S2916-116-45
Date: 6/26/25
Verified by:

FGC
FRAMELESS GLASS CURTAINS

This Drawing is the Property of Frameless Glass Curtains LTD
Bottom track level threshold is **5mm** above finished floor level (FFL)
To ensure the track is not pinched a **5mm expansion gap** must be used on both sides
All Internal and External Finishes are Completed by Others to Suit Frame Installation by FGC
Head Detail to be Confirmed Prior to Approval Manufacture
An **18mm** tolerance to opening handle back plate is required please advise on reveal finishes prior to approval of manufacture.
Drawings show structural dimensions FGC will allow for their own tolerance for the Manufactured Dimensions.

CRITICAL DIMENSIONS

Finished Floor Level (FFL) to Head & wall opening dimensions are critical to manufacture.The critical dimensions must NOT be changed post FGC survey.
Any changes to these levels after manufacture will result in re-manufacture of FGC components at the clients expense.

Any Tolerances Shown are for FGC's fitting to allow for dimensional variations in glass panels

NOTE:

REV:	DESCRIPTION:	DATE:
C	Aluminum extrusion insulation added	02/06/25
B	P5+ Extrusions added & 6mm glass thickness used	09/04/25
A	Discriptions amended	07/04/25

CLIENT: FGC

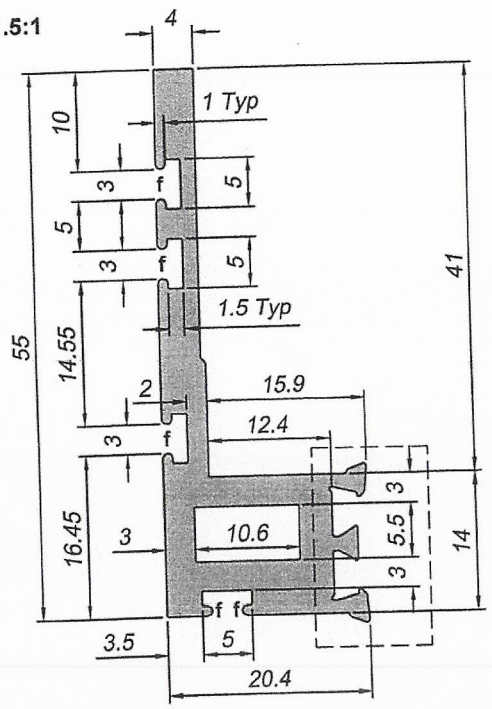
TITLE: Horizontal & Vertical Sections
P5+ Double Glazed
Seal, Fir & Insulation Areas

SCALE AT A3:	DATE:	CONTRACT NO:
1 : 1	08/01/25	N/A

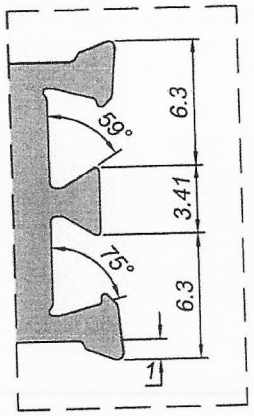
DRAWING NO:	REVISION:
UVAL01-SEALS	C

Quote Ref: Q11009/2021

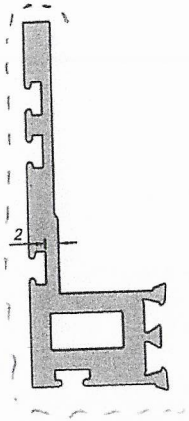
Scale 1.5:1



Scale 3:1



Scale 1:1



LCWEBB 23/3/21

intertek

Report #: S2916-116-45

Date: 4/8/2025

Verified by:

SECTION AREA:	325.41	mm²
EST.WEIGHT PER MTR:	0.879	kg
EXT CIRCUMFERENCE:	200.00	mm
INT CIRCUMFERENCE:	31.86	mm
mat'l. 6063 T6 TO BS EN 755-9		

Finish:

CLIENT

Service Metals (East Anglia) Ltd

TITLE

Top hat extrusion

V = 0.00mm x 90° Vee Groove
Unspec. Radii to R0.20mm
Unspec. Thickness: 0.00mm

Visible Surface - VS

DRAWN	YT
DATE	DECEMBER 2020
SCALE	1:1 SCALE @ A4

RADII
● = 0.20
Ø = 0.25
O = 0.30
x = 0.40
□ = 0.50
* = 0.75
△ = 1.00
@ = 1.20
# = 1.50
■ = 1.70
▲ = 2.00
s = sharp
f = full

DO NOT SCALE FROM THIS PAPER DRAWING

Rev. No.	Revision	Date
R1		

Quote Ref: Q11603/2022	Location Checked	Date	Signature

CRITICAL DIMENSIONS MUST BE CHECKED	
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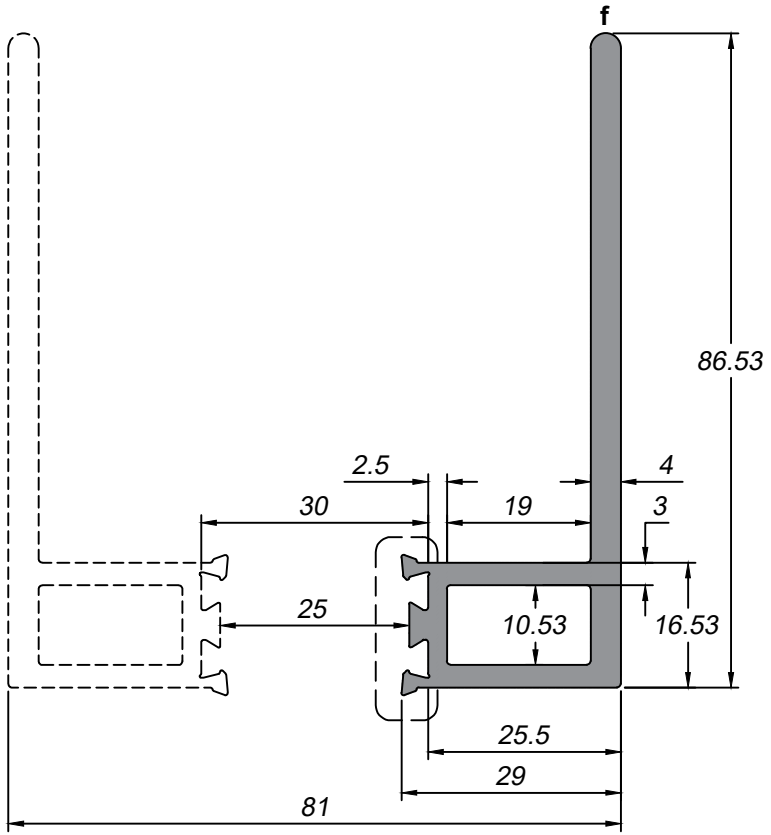
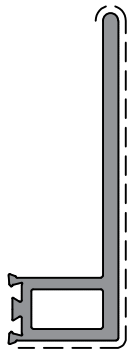
PLEASE ADVISE OF ANY AREAS WITH CRITICAL DIMENSIONS ABOVE.

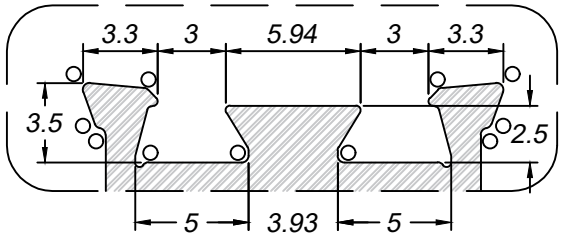
Scale 1:1



Scale 1:2



Scale 3:1



intertek
Report #: S2916-116-45
Date: 4/8/2025
Verified by:

PLEASE NOTE THAT IF THIS PROFILE IS REQUIRED IN ANODIZED QUALITY FOR A DECORATIVE FINISH AT A LATER DATE THAT BEFORE MANUFACTURE OUR QUALITY CONTROL AND PRODUCTION DEPARTMENTS WILL HAVE TO BE MADE AWARE AND TO AGREE TO PRODUCE ANY ORDERS.

Finish:

SECTION AREA:	526.20	mm²
EST.WEIGHT PER MTR:	1.421	kg
EXT CIRCUMFERENCE:	247.45	mm
INT CIRCUMFERENCE:	58.20	mm

CLIENT

Service Metals (East Anglia) Ltd

Customer Approved

Signed : .....

Print Name: .....

Date : .....

V = 0.00mm x 90° Vee Groove
Unspec. Radii to R0.20mm
Unspec. Thickness: 0.00mm

Visible Surface - VS — —— — —

RADII
● = 0.20
⌀ = 0.25
○ = 0.30
x = 0.40
□ = 0.50
* = 0.75
△ = 1.00
@ = 1.20
# = 1.50
■ = 1.70
▲ = 2.00
s = sharp
f = full

mat'l. 6063 T6 TO BS EN 755-9

TITLE

D11603A

smart aluminium extrusions
Smart Aluminium Extrusions,
Arnolds Way, Yatton,
North Somerset,
BS49 4QN
Tel: +44 (0)1934 876 100
Fax: +44 (0)1934 835 169
www.smartsystems.co.uk

DRAWN	DML
DATE	MARCH_2022
SCALE	1:1_SCALE_@_A4

DRAWING No.	DIE No.
SWL7998	SM

DO NOT SCALE FROM THIS PAPER DRAWING

Rev. No.	Revision	Date
R1		

Quote Ref: Q16195A/2024	Location Checked	Date	Signature

CRITICAL DIMENSIONS MUST BE CHECKED

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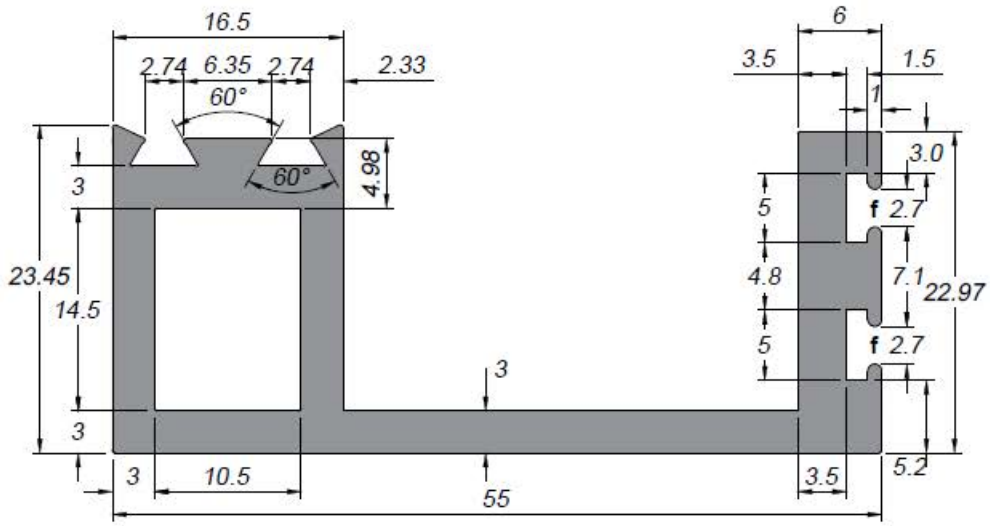
Customer BS EN 755 - 9 Tolerance Acceptance. All Extrusion tolerances will be to this standard unless agreed otherwise with our production department before running any bulk material. Critical dimensions should be advised and listed above.

Signed : .....

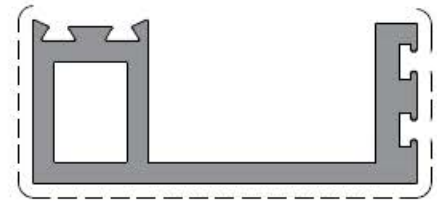
Print Name: .....

Date : .....

Scale 2:1



Scale 1:1



Report #: S2916-116-45
Date: 4/8/2025
Verified by:

PLEASE NOTE THAT IF THIS PROFILE IS REQUIRED IN ANODIZED QUALITY FOR A DECORATIVE FINISH AT A LATER DATE THAT BEFORE MANUFACTURE OUR QUALITY CONTROL AND PRODUCTION DEPARTMENTS WILL HAVE TO BE MADE AWARE AND TO AGREE TO PRODUCE ANY ORDERS.

Finish: Painted

SECTION AREA:	**420.50**	**mm²**	
EST.WEIGHT PER MTR:	**1.140**	**kg**	
EXTERNAL PERIMETER:	**227.39**	**mm**	
INTERNAL PERIMETER:	**49.66**	**mm**	

mat'l. 6063 T6 TO BS EN 755-9

CLIENT

Sherwood Stainless & Aluminium Ltd

Customer Approved

Signed : .....

Print Name: .....

Date : .....

V = 0.00mm x 90° Vee Groove
Unspec. Radii to R0.25mm
Unspec. Thickness: 3.00mm

Visible Surface - VS — —— —— —

RADII
● = 0.20
∅ = 0.25
○ = 0.30
x = 0.40
□ = 0.50
* = 0.75
△ = 1.00
@ = 1.20
# = 1.50
■ = 1.70
▲ = 2.00
s = sharp
f = full

TITLE

Top Track Extrusion

Smart Aluminium Extrusions,
Arnolds Way, Yatton,
North Somerset,
BS49 4QN
Tel: +44 (0)1934 876 100
Fax: +44 (0)1934 835 169
www.smartsystems.co.uk

DRAWN	MCA
DATE	SEP_2024
SCALE	VARIOUS_SCALES_@_A4

DRAWING No. **SWL9285**

DIE No. **SM****

DO NOT SCALE FROM THIS PAPER DRAWING

Quote Ref: Q16195BMOD/2024	Location Checked	Date	Signature

Rev. No.	Revision	Date
R1		

CRITICAL DIMENSIONS MUST BE CHECKED

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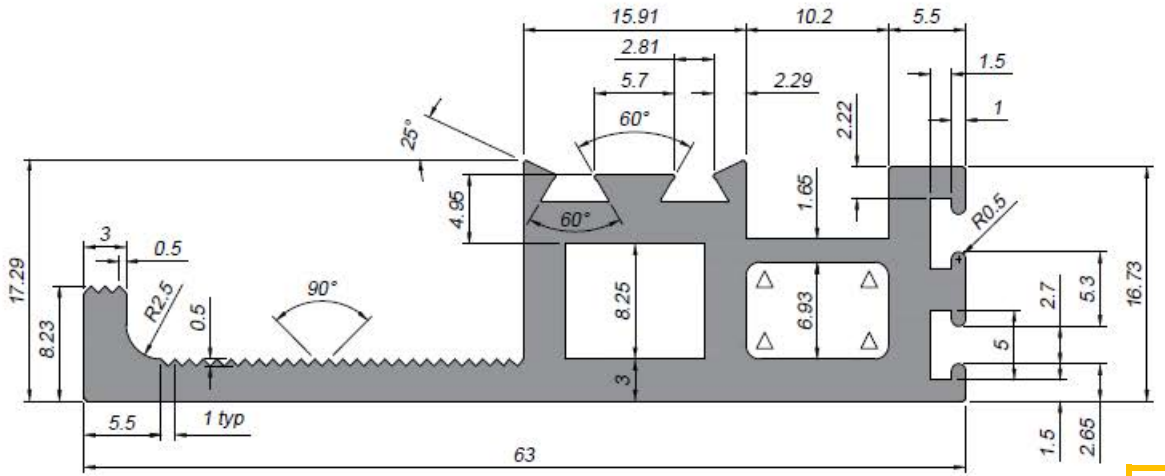
Customer BS EN 755 - 9 Tolerance Acceptance. All Extrusion tolerances will be to this standard unless agreed otherwise with our production department before running any bulk material. Critical dimensions should be advised and listed above.

Signed : .....

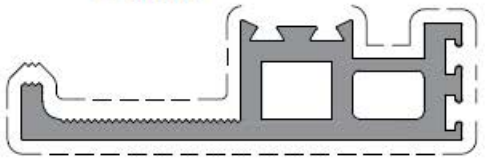
Print Name: .....

Date : .....

Scale 2:1



Scale 1:1



Report #: S2916-116-45
Date: 4/8/2025
Verified by:

PLEASE NOTE THAT IF THIS PROFILE IS REQUIRED IN ANODIZED QUALITY FOR A DECORATIVE FINISH AT A LATER DATE THAT BEFORE MANUFACTURE OUR QUALITY CONTROL AND PRODUCTION DEPARTMENTS WILL HAVE TO BE MADE AWARE AND TO AGREE TO PRODUCE ANY ORDERS.

Finish: Painted

SECTION AREA:	386.00	mm²
EST.WEIGHT PER MTR:	1.046	kg
EXTERNAL PERIMETER:	221.61	mm
INTERNAL PERIMETER:	69.03	mm

mat'l. 6063 T6 TO BS EN 755-9

CLIENT

Sherwood Stainless & Aluminium

Customer Approved

Signed : .....

Print Name: .....

Date : .....

V = 0.00mm x 90° Vee Groove
Unspec. Radii to R0.25mm
Unspec. Thickness: 3.00mm

Visible Surface - VS — —— — —

RADII
● = 0.20
∅ = 0.25
○ = 0.30
x = 0.40
□ = 0.50
* = 0.75
△ = 1.00
@ = 1.20
# = 1.50
■ = 1.70
▲ = 2.00
s = sharp
f = full

TITLE

Profile Track Extrusion

Smart Aluminium Extrusions,
Arnolds Way, Yatton,
North Somerset,
BS49 4QN
Tel: +44 (0)1934 876 100
Fax: +44 (0)1934 835 169
www.smartsystems.co.uk

DRAWN	MCA
DATE	SEP_2024
SCALE	VARIOUS_SCALES_@_A4

DRAWING No.	DIE No.
SWL9286	SM****

DO NOT SCALE FROM THIS PAPER DRAWING

Rev. No.	Revision	Date
R1		

Quote Ref: Q16195CMOD/2024	Location Checked	Date	Signature

CRITICAL DIMENSIONS MUST BE CHECKED	
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8	
9	
10	

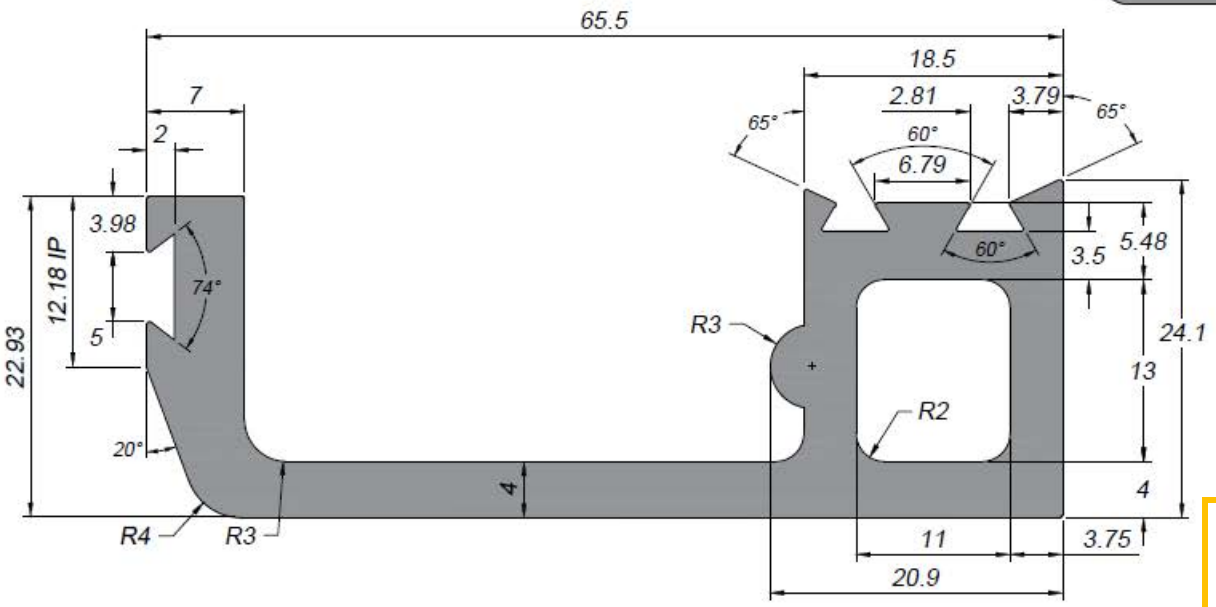
Customer BS EN 755 - 9 Tolerance Acceptance. All Extrusion tolerances will be to this standard unless agreed otherwise with our production department before running any bulk material. Critical dimensions should be advised and listed above.

Signed : .....

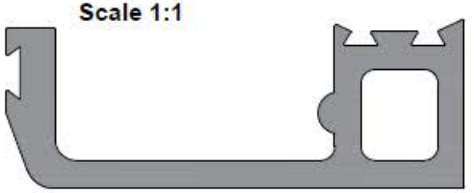
Print Name: .....

Date : .....

Scale 2:1



Scale 1:1



Report #: S2916-116-45
Date: 4/8/2025
Verified by:

PLEASE NOTE THAT IF THIS PROFILE IS REQUIRED IN ANODIZED QUALITY FOR A DECORATIVE FINISH AT A LATER DATE THAT BEFORE MANUFACTURE OUR QUALITY CONTROL AND PRODUCTION DEPARTMENTS WILL HAVE TO BE MADE AWARE AND TO AGREE TO PRODUCE ANY ORDERS.

Finish: Painted

SECTION AREA:	564.73	mm²
EST.WEIGHT PER MTR:	1.530	kg
EXTERNAL PERIMETER:	233.02	mm
INTERNAL PERIMETER:	44.57	mm

mat'l. 6063 T6 TO BS EN 755-9

CLIENT

Sherwood Stainless & Aluminium Ltd

Customer Approved

Signed : .....

Print Name: .....

Date : .....

V = 0.00mm x 90° Vee Groove
Unspec. Radii to R0.25mm
Unspec. Thickness: 0mm

Visible Surface - VS — —— — —

RADII
● = 0.20
⌀ = 0.25
○ = 0.30
x = 0.40
□ = 0.50
* = 0.75
△ = 1.00
@ = 1.20
# = 1.50
■ = 1.70
▲ = 2.00
s = sharp
f = full

TITLE

Bottom Track Extrusion

Smart Aluminium Extrusions,
Arnolds Way, Yatton,
North Somerset,
BS49 4QN
Tel: +44 (0)1934 876 100
Fax: +44 (0)1934 835 169
www.smartsystems.co.uk

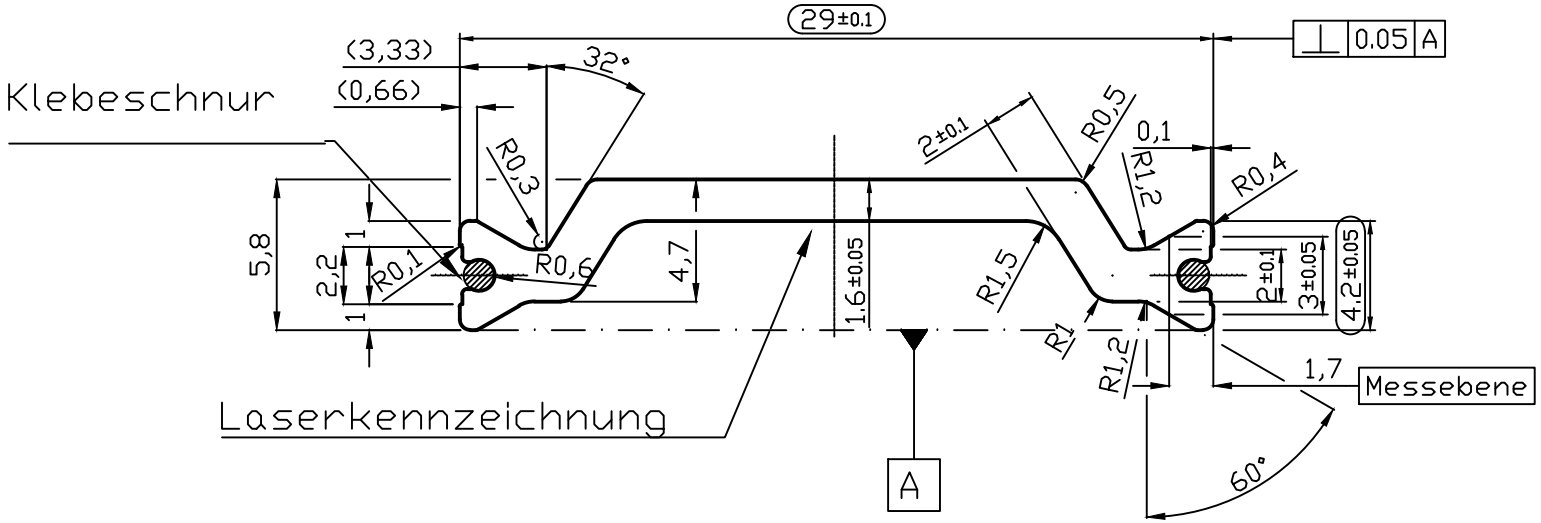
DRAWN	MCA
DATE	SEP_2024
SCALE	VARIOUS_SCALES_@_A4

DRAWING No. SWL9287

DIE No. SM****

DO NOT SCALE FROM THIS PAPER DRAWING

Report #: S2916-116-45
Date: 4/8/2025
Verified by:



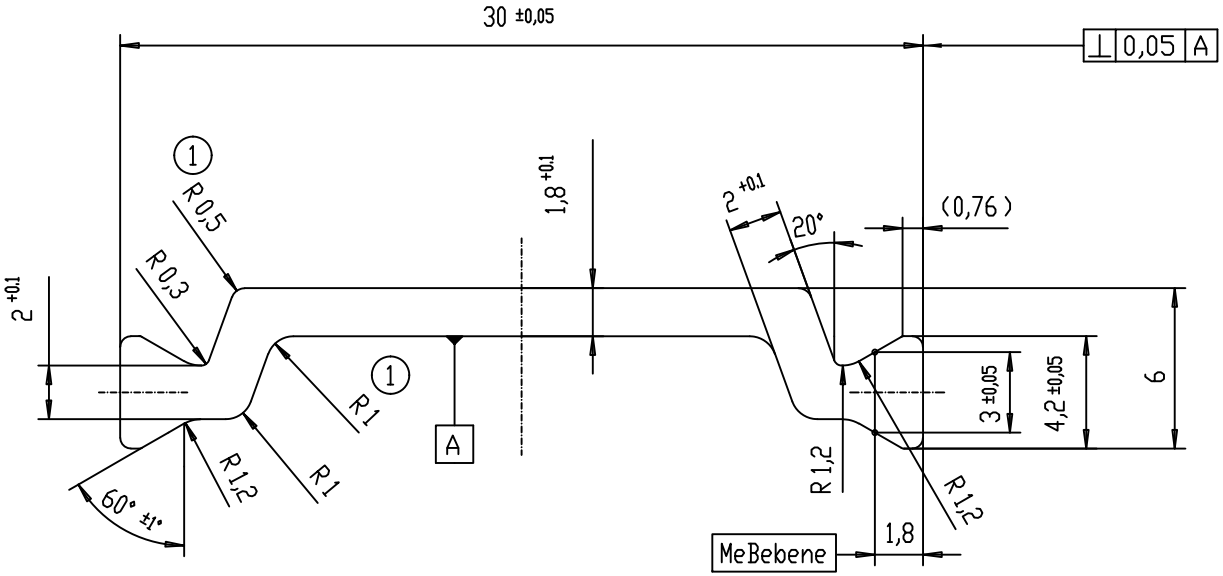
1 Bemerkung			2 Maßstab 1:1
3 Durchbiegung max. Y ± 50 mm/m; max. X ± 15 mm/m; Verdrehung max. ± 15 °	4 0.2	5 () (--)	
6 Kunde	7 Kundenartikel		7a Kundenzeichnung; Datum; Status / Version:
9 = 76,8 mm; = 61,5 mm²	10 Status		11 Maßstab M 5:1 (10:1; 1:1) / 8 Freimaßtoleranz DIN 16941 Reihe 2
			12 Material: PA 66 GF25 , trockenschlagzäh
			13 Beschreibung: Insulation Strip
			14 Artikelnummer: 404600 / Page 1 of 1

ST	Datum	Name	Check
0	13.12.10	TRo	-
1	13.12.10	TRo	-
2	15.12.10	IWi	-
3	11.02.11	IWi	-

Num.	Änderung	Datum	Name
0	-	-	-

Technoform BAUTEC Kunststoffprodukte GmbH
34277 Fuldabrück

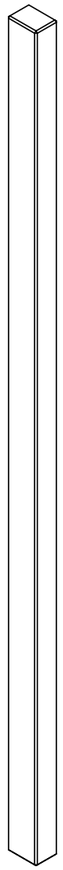
Report #: S2916-116-45
Date: 4/8/2025
Verified by:



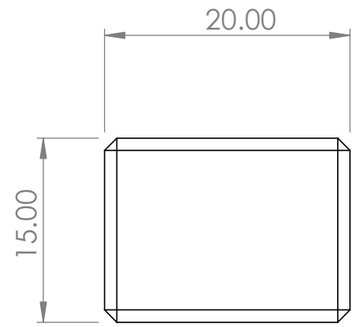
unbemaßte Radien = R 0,2

M1:1

U = 77 mm A = 72 qmm				Auftraggeber		Zeichnungs-Nr. des Auftraggebers	
				Freimaßtoleranz DIN 16941 Reihe 2	Oberflächen DIN ISO 1302	Maßstab M 5:1 (1:1)	Gewicht
						Werkstoff PA 66 GF25 trockenschlagzäh	
				1996 Datum	Name	Benennung	
				Bearb. 10.10.	HSch	Isoliersteg	
				Gepr.			
				Norm			
				Technoform BAUTEC Kunststoffprodukte GmbH 34277 Fuldabrück/Kassel		947400	Blatt
1	Radien geändert	23.05.05	HSch				Bl
Zust.	Änderung	Datum	Name	Urspr.:		Ers.f.:	Ers.d.:



LENGTH OF SPACER IS DETERMINED BY STRUCTURAL OPENING SIZE



intertek Report #: S2916-116-45 Date: 4/8/2025 Verified by:

ISS	DATE	DRN	APP	CRN
1	16/08/2023	JC	PB	

CLIENT: Frameless Glass Curtains

DRAWN BY: J.Cuffe | APPROVED BY: P.Beresford | DATE: 16/08/2023

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
TOLERANCES: ±0.15
ANGLE: ±0.5 °
SURFACE FINISH: NO WORSE THAN 0.8 µm

DEBURR AND BREAK SHARP EDGES

DO NOT SCALE DRAWING

FINISH: TOUGHENED

MATERIAL: PLANIBEL (FLOAT GLASS)

TITLE: INSTRUMENT GLASSES - GLASS SPACER BAR

DWG NO: IG-GSB-01 | A3

SCALE:1:5 | SHEET 1 OF 1

130 Derry Court
York, Pennsylvania 17406

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

SECTION 8
REVISION LOG

REVISION #	DATE	PAGES	REVISION
.01R0	04/08/25	N/A	Original report issue.
.02R0	05/09/25	N/A	Add Options #9-20
.03R0	06/26/25		Add options #21-80.