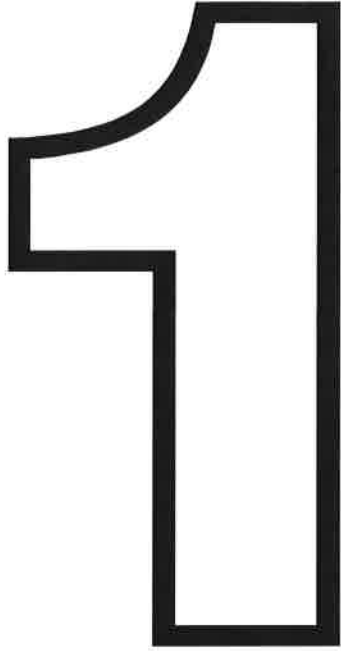
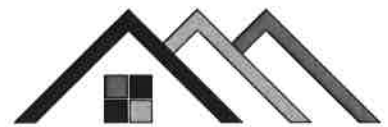


*SECTION*



*INTRODUCTION / SPECIFICATION*



AliMet Fabrications Ltd

**CONTENTS**

**1**

<b>INTRODUCTION</b>	<b>1.01</b>
<b>SECTION PROPERTIES</b>	<b>1.02</b>
<b>SECTION PROPERTIES</b>	<b>1.03</b>
<b>SECTION PROPERTIES</b>	<b>1.04</b>
<b>SECTION PROPERTIES</b>	<b>1.05</b>
<b>SECTION PROPERTIES</b>	<b>1.06</b>
<b>SECTION PROPERTIES</b>	<b>1.07</b>
<b>RESERVED</b>	<b>1.08</b>
<b>RESERVED</b>	<b>1.09</b>
<b>RESERVED</b>	<b>1.10</b>

**2**

<b>BAR PROFILES</b>	<b>2.01</b>
<b>BAR PROFILES</b>	<b>2.02</b>
<b>BAR PROFILES</b>	<b>2.03</b>
<b>BAR PROFILES</b>	<b>2.04</b>
<b>BAR PROFILES</b>	<b>2.05</b>
<b>BAR PROFILES</b>	<b>2.06</b>
<b>BAR PROFILES</b>	<b>2.07</b>
<b>BAR PROFILES</b>	<b>2.08</b>
<b>BAR PROFILES</b>	<b>2.09</b>
<b>BAR PROFILES</b>	<b>2.10</b>
<b>BAR PROFILES</b>	<b>2.11</b>
<b>BAR PROFILES</b>	<b>2.12</b>
<b>BAR PROFILES</b>	<b>2.13</b>
<b>BAR PROFILES</b>	<b>2.14</b>
<b>BAR PROFILES</b>	<b>2.15</b>
<b>BAR PROFILES</b>	<b>2.16</b>
<b>BAR PROFILES</b>	<b>2.17</b>
<b>BAR PROFILES</b>	<b>2.18</b>
<b>BAR PROFILES</b>	<b>2.19</b>
<b>BAR PROFILES</b>	<b>2.20</b>

# CONTENTS

## 3

<b>SINGLE GLAZED WINDOW FRAME</b>	<b>3.01</b>
<b>DOUBLE GLAZED WINDOW FRAME</b>	<b>3.02</b>
<b>CORNER DETAIL</b>	<b>3.03</b>
<b>DOOR HEAD AND MID RAIL OPTIONS</b>	<b>3.04</b>
<b>DOOR THRESHOLD OPTIONS</b>	<b>3.05</b>
<b>DOOR STILE OPTIONS</b>	<b>3.06</b>
<b>GLAZING BARS &amp; MIXED GLAZING CORNER</b>	<b>3.07</b>
<b>DOOR HEAD AND MID RAIL OPTIONS</b>	<b>3.08</b>
<b>DOOR THRESHOLD OPTIONS</b>	<b>3.09</b>
<b>DOOR STILE OPTIONS</b>	<b>3.10</b>
<b>150MM TRANSOM / AUTO BEAM</b>	<b>3.11</b>
<b>100MM TRANSOM / AUTO BEAM</b>	<b>3.12</b>
<b>70MM TRANSOM / AUTO BEAM</b>	<b>3.13</b>
<b>TRANSOM / AUTO BEAM OPTIONS</b>	<b>3.14</b>
<b>ALTERNATIVE TRANSOM / AUTO BEAM</b>	<b>3.15</b>
<b>135 DEGREE CORNER BOX</b>	<b>3.16</b>
<b>ALTERNATIVE DOOR STILES</b>	<b>3.17</b>
<b>ALTERNATIVE CORNER DETAILS</b>	<b>3.18</b>
<b>ANCILLIARY ITEMS</b>	<b>3.19</b>
<b>ANCILLIARY ITEMS</b>	<b>3.20</b>
<b>GLAZING OPTIONS</b>	<b>3.21</b>
<b>GLAZING OPTIONS</b>	<b>3.22</b>

## 4

<b>TYPICAL SHOP FRONT ELEVATION</b>	<b>4.01</b>
<b>TYPICAL SHOP FRONT ELEVATION</b>	<b>4.02</b>
<b>TYPICAL JAMB FIXING DETAILS</b>	<b>4.03</b>
<b>TYPICAL CILL FIXING DETAILS</b>	<b>4.04</b>
<b>TYPICAL CILL FIXING DETAILS</b>	<b>4.05</b>
<b>TYPICAL HEAD FIXING DETAILS</b>	<b>4.06</b>
<b>TYPICAL DOOR FIXING DETAILS</b>	<b>4.07</b>

# CONTENTS

---

**5**

---

<b>PRICE LISTS</b>	<b>5.01</b>
<b>PRICE LISTS</b>	<b>5.02</b>
<b>PRICE LISTS</b>	<b>5.03</b>
<b>PRICE LISTS</b>	<b>5.04</b>
<b>PRICE LISTS</b>	<b>5.05</b>
<b>PRICE LISTS</b>	<b>5.06</b>
<b>PRICE LISTS</b>	<b>5.07</b>
<b>PRICE LISTS</b>	<b>5.08</b>

---

**6**

---

<b>WORKSHOP MANUAL</b>	<b>6.01</b>
<b>WORKSHOP MANUAL</b>	<b>6.02</b>
<b>WORKSHOP MANUAL</b>	<b>6.03</b>
<b>WORKSHOP MANUAL</b>	<b>6.04</b>
<b>WORKSHOP MANUAL</b>	<b>6.05</b>
<b>WORKSHOP MANUAL</b>	<b>6.06</b>
<b>WORKSHOP MANUAL</b>	<b>6.07</b>
<b>WORKSHOP MANUAL</b>	<b>6.08</b>
<b>WORKSHOP MANUAL</b>	<b>6.09</b>
<b>WORKSHOP MANUAL</b>	<b>6.10</b>
<b>WORKSHOP MANUAL</b>	<b>6.11</b>
<b>WORKSHOP MANUAL</b>	<b>6.12</b>
<b>WORKSHOP MANUAL</b>	<b>6.13</b>
<b>WORKSHOP MANUAL</b>	<b>6.14</b>
<b>WORKSHOP MANUAL</b>	<b>6.15</b>
<b>WORKSHOP MANUAL</b>	<b>6.16</b>
<b>WORKSHOP MANUAL</b>	<b>6.17</b>
<b>WORKSHOP MANUAL</b>	<b>6.18</b>
<b>WORKSHOP MANUAL</b>	<b>6.19</b>
<b>WORKSHOP MANUAL</b>	<b>6.20</b>
<b>WORKSHOP MANUAL</b>	<b>6.21</b>
<b>WORKSHOP MANUAL</b>	<b>6.22</b>

### INTRODUCTION:

SERIES 100 consists of a suite of profiles that can be fabricated into doors and screens suitable for installation into new buildings, or for the refurbishment of existing buildings, generally in the industrial and commercial building industry.

### MATERIALS:

SERIES 100 profiles are extruded from aluminium alloy 6063 T6 to comply with the recommendations of BS EN755-9 and BS EN 12020. Polyester powder coated finishes are available to BS6496 in a wide range of colours. Anodised finishes are to BSEN12373 Grade AA25, etch silver and bronze as standard, with a range of special anodised finishes on request. Weatherstripping is produced from either extruded silicone or EPDM and fitted into grooves in the extruded aluminium profiles. SERIES 100 is non-thermally broken.

### CONSTRUCTION:

SERIES 100 frame members are square cut with door leaves being cleated and screens fixed together using self tapping screws into screw ports. All joints should be sealed during fabrication/assembly to prevent water penetration.

### HARDWARE:

SERIES 100 doors can be fitted with either concealed overhead closures, floor closures or butt hinges, there is a whole range of handles, bolts and locks available to suit this system.

### GLAZING:







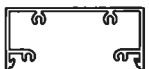






SERIES 100 glass is set against extruded gaskets which are retained in the aluminium extrusion, with final retention of glass being achieved with an extruded wedge gasket which is inserted between the inner face of glass and the aluminium frame. 6mm single glazing up to 28mm double glazed units can be accepted into this system.

### SUMMARY:

SERIES 100 will satisfy a large sector of the commercial market, it being very robust with minimum wall thickness of 2.5mm. Examples of it's use would be shopfronts, office developments, schools, hospitals and garage showrooms. Doors can be either pivoted or sliding, manual or automatic operation, hung on butt hinges and fitted with panic bolts for emergency exits in all kinds of buildings.

For further information on the SERIES 100 system or for technical help please do not hesitate to contact us.

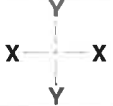










SECTION PROPERTIES

	REF	DESCRIPTION	WEIGHT (Kg/m)	SECOND MOMENT OF AREA	
				I <sub>xx</sub> (cm <sup>4</sup> )	I <sub>yy</sub> (cm <sup>4</sup> )
	MGS100	PLAIN BOX	1.267	8.94	71.86
	MGS102	HEAD LINER ANGLED	1.589	9.82	72.22
	MGS148	30MM POCKET BOX S/G	1.656	4.58	67.59
	MGS149	30MM POCKET BOX D/G	1.716	4.58	67.59
	MGS150	PLAIN BOX	1.329	11.27	77.54
	MGS151	PLAIN BOX WITH SCREW PORTS	1.966	16.71	103.61
	MGS152	POCKET BOX S/G	1.602	11.02	78.88
	MGS153	POCKET BOX SINGLE GLAZED	2.241	16.18	104.96
	MGS154	POCKET BOX D/G	1.818	11.83	87.85
	MGS155	POCKET BOX DOUBLE GLAZED	2.327	16.18	104.96
	MGS156	CILL SINGLE GLAZED	1.894	11.76	89.11
	MGS157	CILL DOUBLE GLAZED	1.826	11.17	79.32

SECTION PROPERTIES

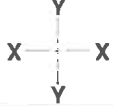

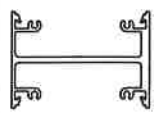
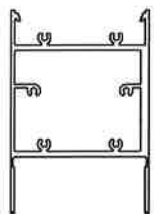
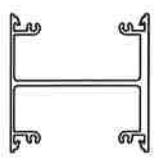





	REF	DESCRIPTION	WEIGHT (Kg/m)	SECOND MOMENT OF AREA	
				Ixx (cm <sup>4</sup> )	Iyy (cm <sup>4</sup> )
	MGS103	WEATHERSTRIP PLATE	0.839	0.03	25.85
	MGS108	POCKET PLATE SINGLE GLAZED	0.803	1.38	19.93
	MGS111	POCKET PLATE DOUBLE GLAZED	0.762	0.0	0.0
	MGS112	THRESHOLD SINGLE RAMP/SQUARE BACK	1.261	0.44	40.33
	MGS118	THRESHOLD DOUBLE RAMP	1.113	0.41	31.39
	MGS136	THRESHOLD SQUARE BACK	1.408	0.48	51.55
	MGS147	PLAIN PLATE	0.553	0.0	0.0
	MGS163	POCKET PLATE SINGLE GLAZED	0.769	1.39	18.38
	MGS164	POCKET PLATE DOUBLE GLAZED	0.769	1.72	20.32
	MGS171	PLAIN PLATE	0.582	0.07	18.61

SECTION PROPERTIES

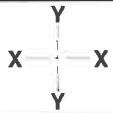

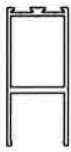






	REF	DESCRIPTION	WEIGHT (Kg/m)	SECOND MOMENT OF AREA	
				I <sub>xx</sub> (cm <sup>4</sup> )	I <sub>yy</sub> (cm <sup>4</sup> )
	MGS116	POCKET FILLER (PUSH IN) SINGLE GLAZED	0.273	0.32	0.33
	MGS117	POCKET FILLER (PUSH IN) DOUBLE GLAZED	0.422	1.18	1.76
	MGS144	POCKET FILLER (SLIDE IN) DOUBLE GLAZED	0.239	0.01	1.29
	MGS145	POCKET FILLER (SLIDE IN) SINGLE GLAZED	0.152	0.01	0.28
	MGS114	BEAD FLAT SINGLE GLAZED	0.398	0.85	3.11
	MGS115	BEAD FLAT DOUBLE GLAZED	0.419	1.27	2.10
	MGS165	CORNER BOX SINGLE GLAZED	2.522	155.72	55.22
	MGS166	CORNER BOX DOUBLE GLAZED	2.678	156.82	64.15
	MGS182	DEFLECTOR	0.767	0.0	0.0
	MGS166	SNAP IN COVER CAP	0.102	0.0	0.0



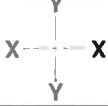













**SECTION PROPERTIES**

	REF	DESCRIPTION	WEIGHT (Kg/m)	SECOND MOMENT OF AREA	
				I <sub>xx</sub> (cm <sup>4</sup> )	I <sub>yy</sub> (cm <sup>4</sup> )
	MGS168	135° CORNER BOX	2.215	123.26	38.84
	MGS158	TRANSOM/AUTO BEAM	3.210	37.04	187.22
	MGS159	UNIVERSAL AUTO BEAM	5.605	301.17	313.12
	MGS167	TRANSOM/AUTO BEAM 100MM	3.898	105.60	239.97
	MGS135	CLIP IN BEAD	0.181	0.07	0.43
	MGS172	CLIP IN BEAD D/G	0.168	0.37	0.16
	MGS173	SECURITY BEAD D/G	0.199	0.43	0.44
	MGS174	CLIP IN BEAD S/G	0.244	0.51	0.26
	MGS175	SECURITY BEAD S/G	0.271	0.56	0.47

**SECTION PROPERTIES**

	REF	DESCRIPTION	WEIGHT (Kg/m)	SECOND MOMENT OF AREA	
				I <sub>xx</sub> (cm <sup>4</sup> )	I <sub>yy</sub> (cm <sup>4</sup> )
	MGS120	55MM TOP RAIL	1.606	16.17	15.82
	MGS121	100MM BOTTOM RAIL	2.208	26.10	70.82
	MGS122	20MM TRANSOME	0.875	1.39	6.65
	MGS123	150MM MID RAIL	2.778	36.37	280.20
	MGS138	150MM BOTTOM RAIL	2.893	37.14	232.01
	MGS160	BEAD CARRIER	0.664	0.15	4.42
	MGS162	TOP RAIL	1.613	15.14	25.18
	MGS169	TRANSOME(SCREW PORTS)	1.035	1.44	7.57

**SECTION PROPERTIES**

	REF	DESCRIPTION	WEIGHT (Kg/m)	SECOND MOMENT OF AREA	
				I <sub>xx</sub> (cm <sup>4</sup> )	I <sub>yy</sub> (cm <sup>4</sup> )
	MGS124	55MM DOOR STILE (PLAIN)	1.415	15.90	21.37
	MGS125	55MM DOOR STILE (WOOLPILE)	1.509	16.60	22.69
	MGS126	55MM DOOR STILE FINGER GUARD	1.410	20.53	20.58
	MGS127	FINGER GUARD (INTER-LOCK)	0.836	6.70	12.80
	MGS141	100MM DOOR STILE (WOOLPILE)	2.111	27.25	101.59
	MGS181	100MM DOOR STILE (PLAIN)	2.017	27.25	101.59
	MGS161	SLIDING DOOR STILE	1.442	16.19	21.76
	MGS128	WOOLPILE CARRIER	0.347	0.07	2.19
	MGS129	WOOLPILE CARRIER/FLOOR GUIDE CHANNEL	0.739	4.80	4.85
	MGS180	DOOR CLEAT	2.592	0.0	0.0
	MGS137	SIDE SCREEN FLOOR TRACK/BEAD CARRIER	0.848	0.57	7.30
	MGS142	PAD HANDLE	2.418	12.32	111.03
	MGS170	WOOLPILE CARRIER/FLOOR GUIDE CHANNEL	0.749	4.53	3.25