


General Catalogue

Volume two



02-2016-V1

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GENERAL CATALOGUE - VOLUME 2

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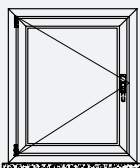
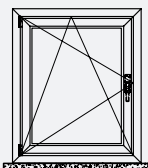
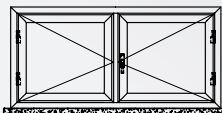
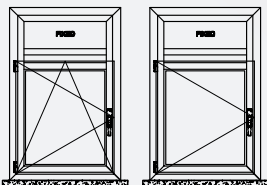
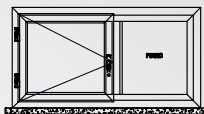
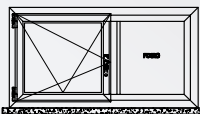
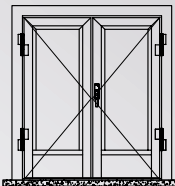
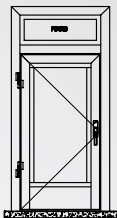
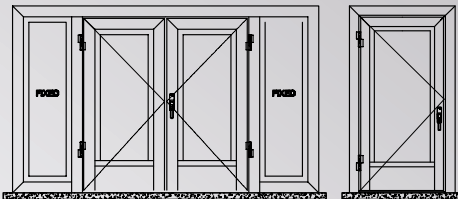


TB-HINGED SERIES

TB-600 SERIES

- Features Glass - 18mm to 38mm
- Alloys - 6063 / 6060/ 6061 / 6082
- System Performance:
- TB-600 has been tested at Al-Futtaim bodycote

Air Infiltration	ASTM E283-04
Water Penetration	ASTM E331-00 (Static)
Wind Resistance	ASTM E330-02 (Serviceability)
Wind Resistance	ASTM E330-02 (Safety)
- Frame: 60mm to 120mm
- Sash: 60mm to 67mm
- The System can be inward and outward opening
- The System can be used for Door, Window, Turn+Tilt window & Swing Door
- Assembly of the Frame & Sash cut 45°
- Thermal strip 18.6mm
- EPDM Gaskets
- Finishes:
 - Powder Coates
 - Anodizing
 - According to Shades available in Gulf Extrusions



TB-600 Series Hinged system is a unique, elegant 60mm width frame designed to achieve a better performance with a wide variety of frames available to cover the needed applications. It is designed for heavy duty use (H-HC40) according to the American National Standard. The results have been impressive to energy conservation, sound reduction, water and dust proofing. The importance of thermal conductivity in the aluminum frame becomes apparent when one considers that the frame accounts for an average of 25% of the total window surface.

Normal Aluminum Profiles $k=5.7 \text{ W/M}^2\text{K}$
With 1.6mm Thermal Strip $K=3.3 \text{ W/M}^2\text{K}$

All profiles are available in all colors in order to meet today's modern architectural requirements, along with the possibility of bi-coloration due to the separation done by the thermal break strips. For better performance of the System, Alignment cleats for the frame and the shutter are used. Durable weather sealment mastic is a must at all joints. Specially designed EPDM gaskets are made available with the system to enhance the performance and create easy assembly. Other accessories such as rollers and flush handles come as part of the system.

Sections:

The sections in gulf extrusions line are produced by extruding aluminum on a wide range of presses starting with a 800 tons to 4400 tons press. They are made of aluminum alloys 6060, 6063, 6082, 6005 according to British Standard Specification for extrusion Dimensions Tolerances BS EN 755-9:2008 and BS EN 12020-2:2008

Frame:

Tubular with a width of 60mm, a wide range of frames is available to suit most of the required application in the building codes.

Sash:

Tubular straight. They are 60 or 67 mm thick. A wide range available to cover all applications of doors, single and double leaves and outward openings even swing doors.

Assembly:

Assembly of the frames and sashes is done by 45° cut whereas door bottom on profiles are custom 90°.

Glazing:

Standard or insulating ranges from "18 to 38"mm maintained by 3 EPDM gaskets and a glazing bead must be on the inside installation.

Sealing:

Sealing is achieved by the compression of 3 EPDM gaskets pressured during closing.

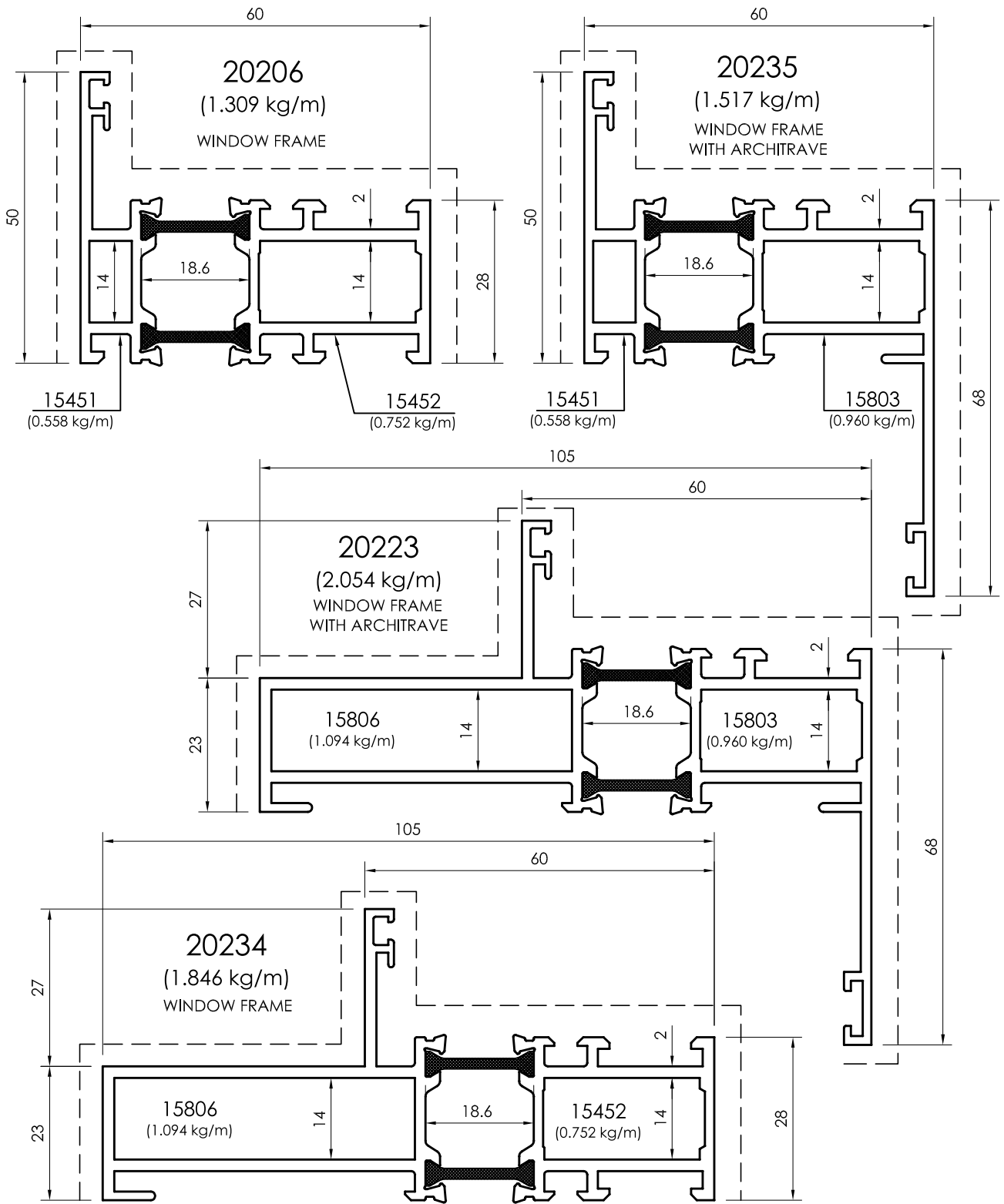
Performance:

THERMAL SYSTEM

Casement & Turn + Tilt Window /HINGED DOOR

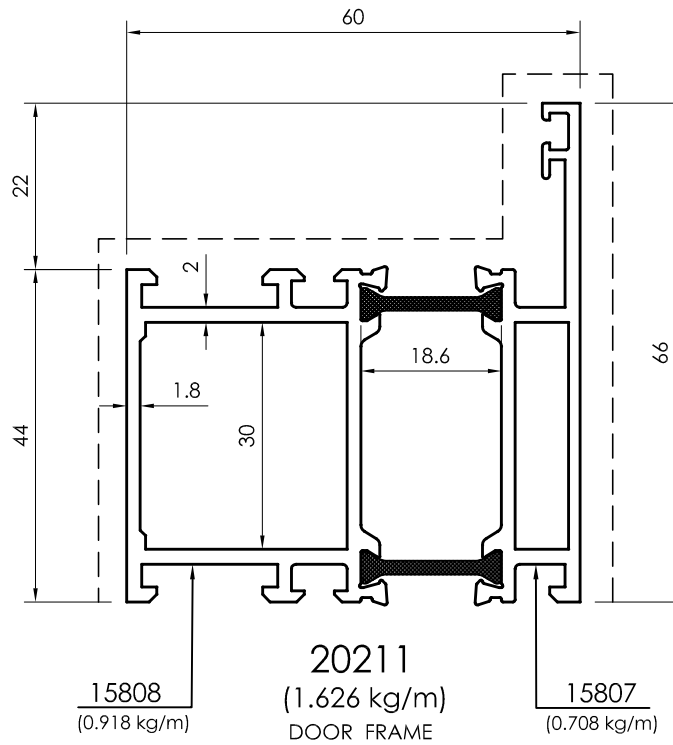
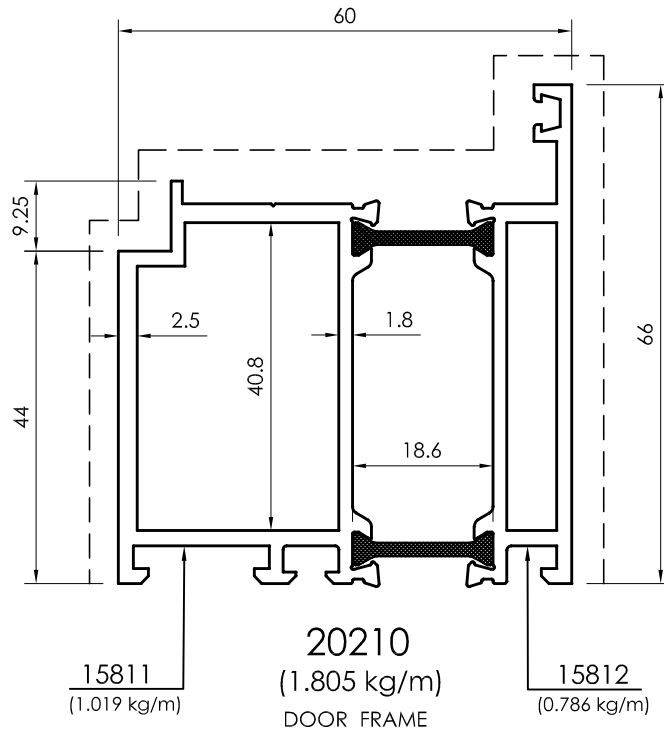
1. 18.6MM Polyamide strip can withstand up to 220°C with high thermal resistance to reduce heat transfer from $k= 5.7 \text{ W/M}^2\text{K}$ to $K=3.0 \text{ W/M}^2\text{K}$
2. Insulated glass unit, ensuring the performance of the system in terms of energy conservation and sound insulation.
3. Outer contact gasket for efficient sound insulation and sealing against water and dust.
4. Inner gasket to enhance the system performance.
5. Central sealing Gasket.
6. Special EPDM GASKETS TO HOLD GLASS IN POSITION.

Frame Profiles



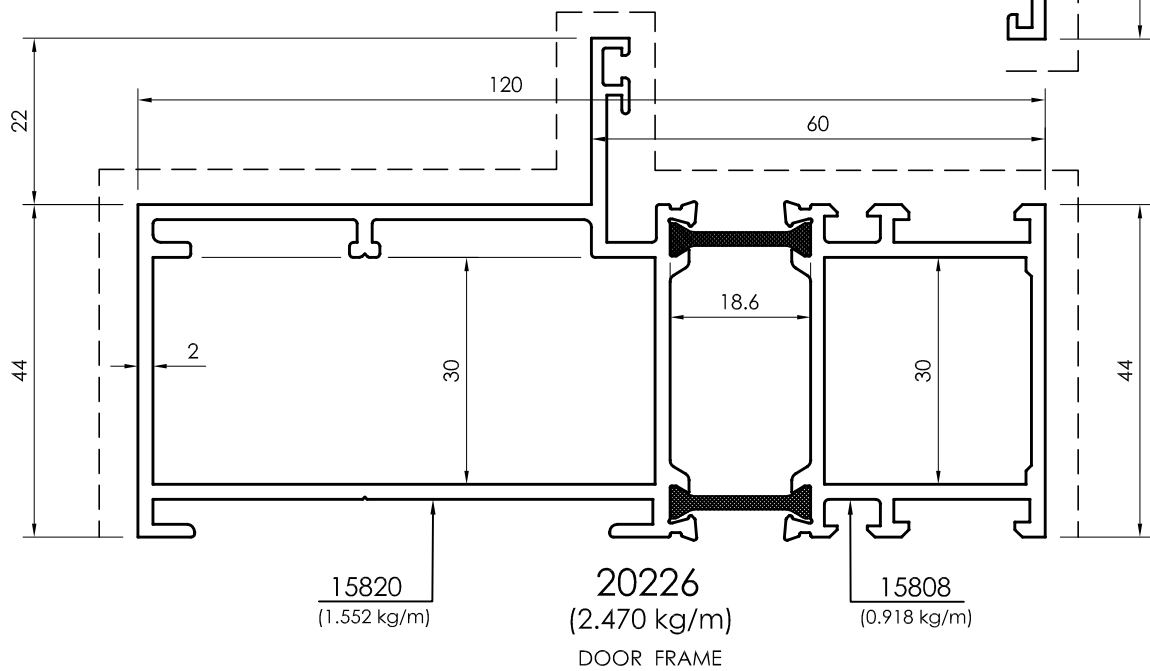
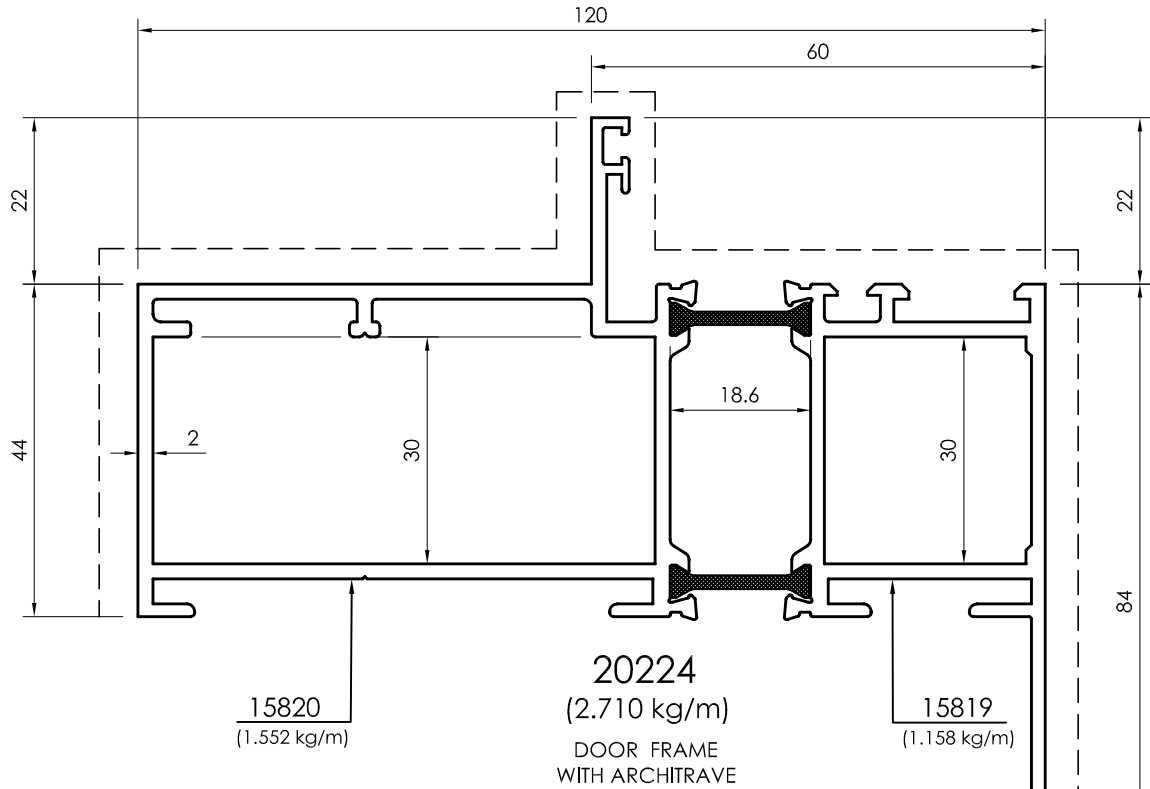
All dimensions in mm
 - - - - - Visible area

Frame Profiles



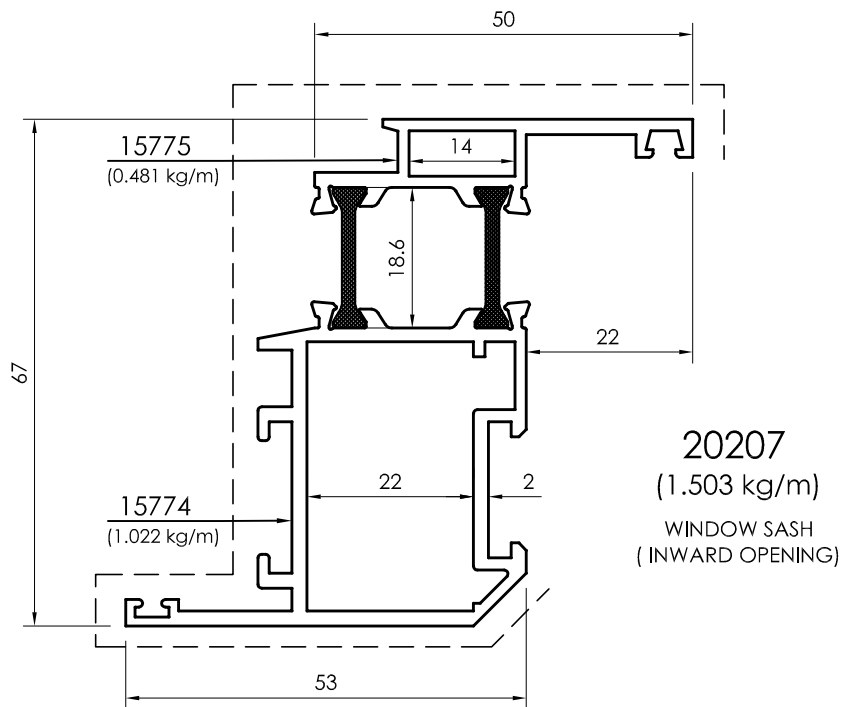
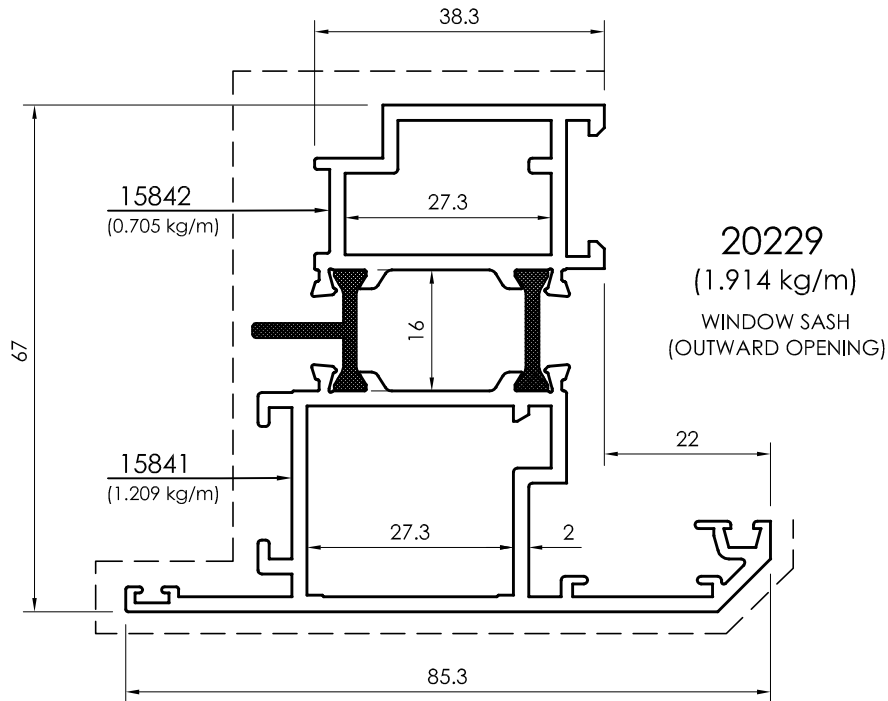
All dimensions in mm
Visible area_-----

Frame Profiles



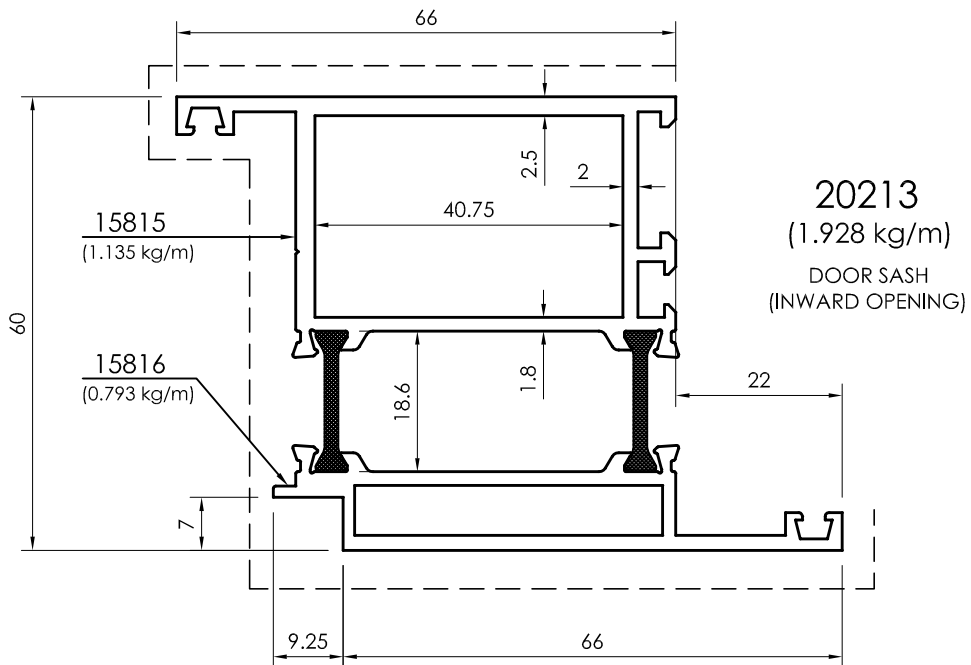
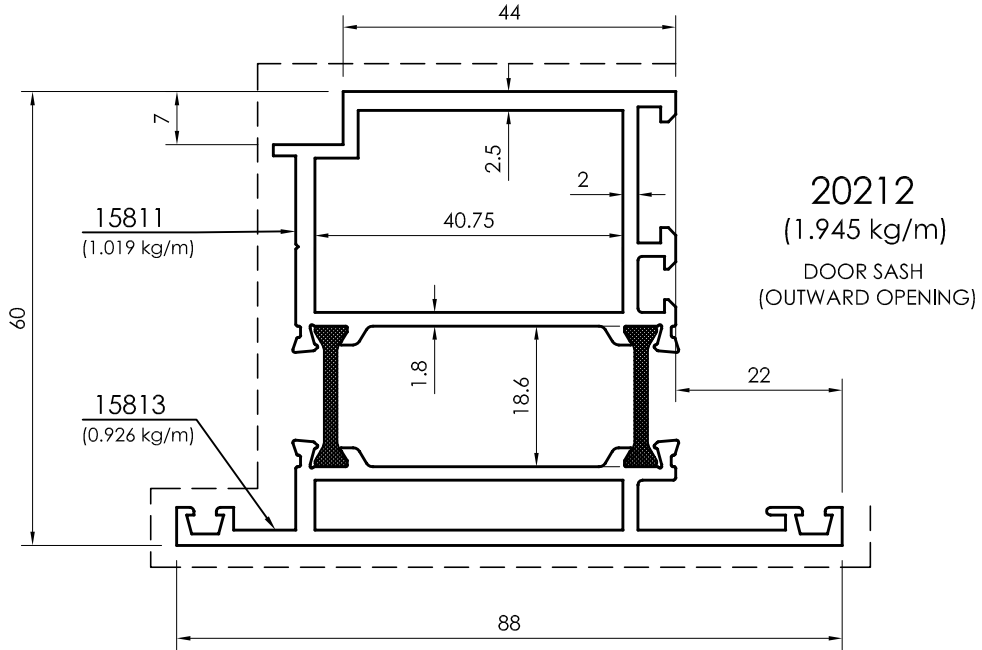
All dimensions in mm
----- Visible area

Sash Profiles



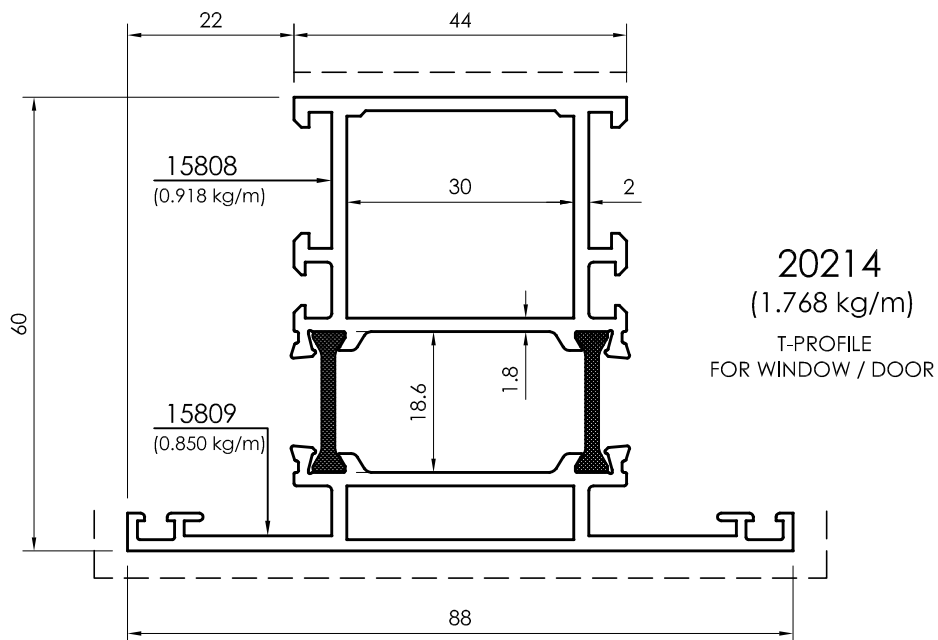
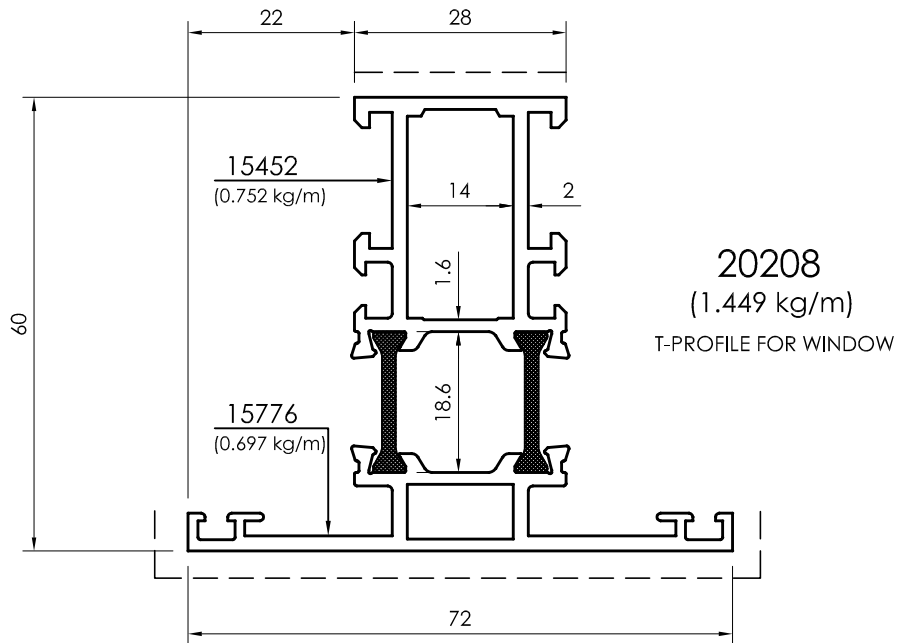
All dimensions in mm
Visible area_-----

Sash Profiles



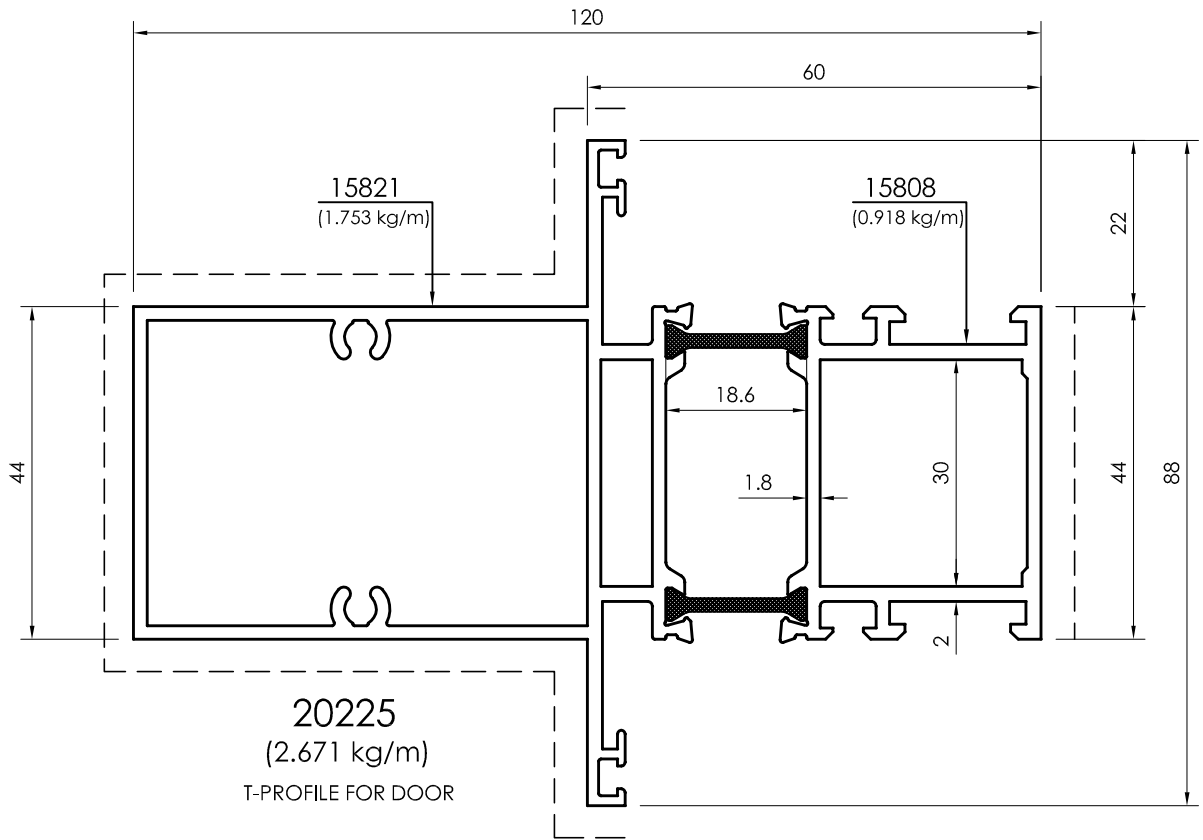
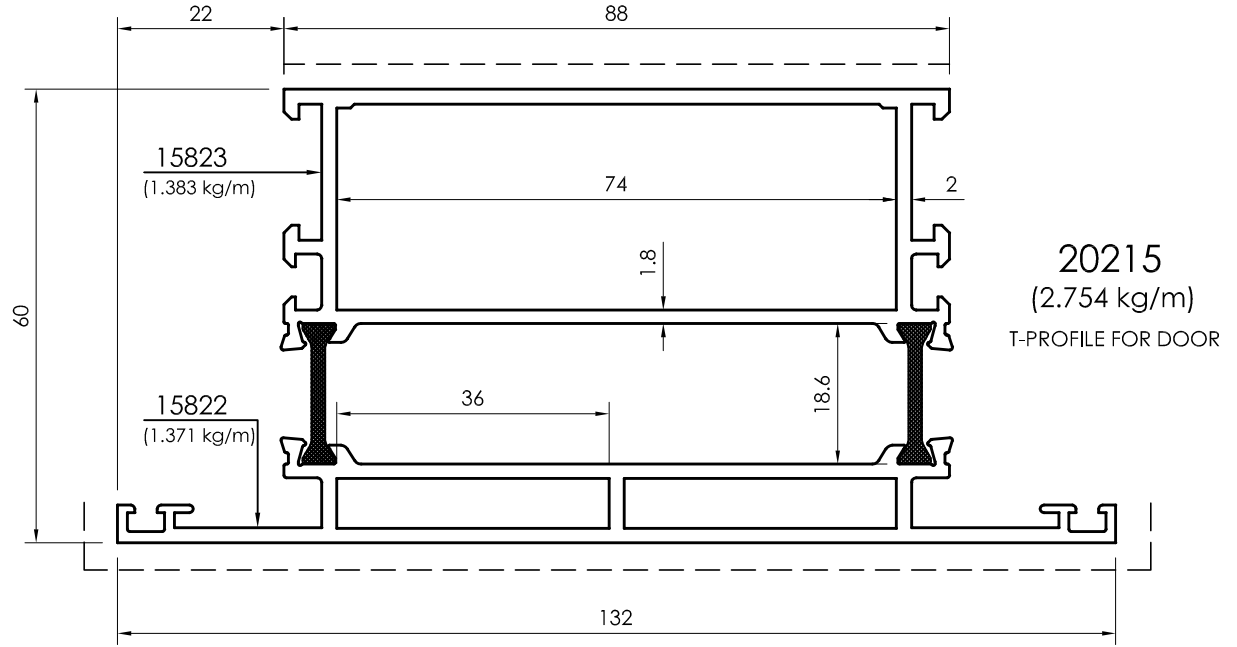
All dimensions in mm
----- Visible area

T - Profiles



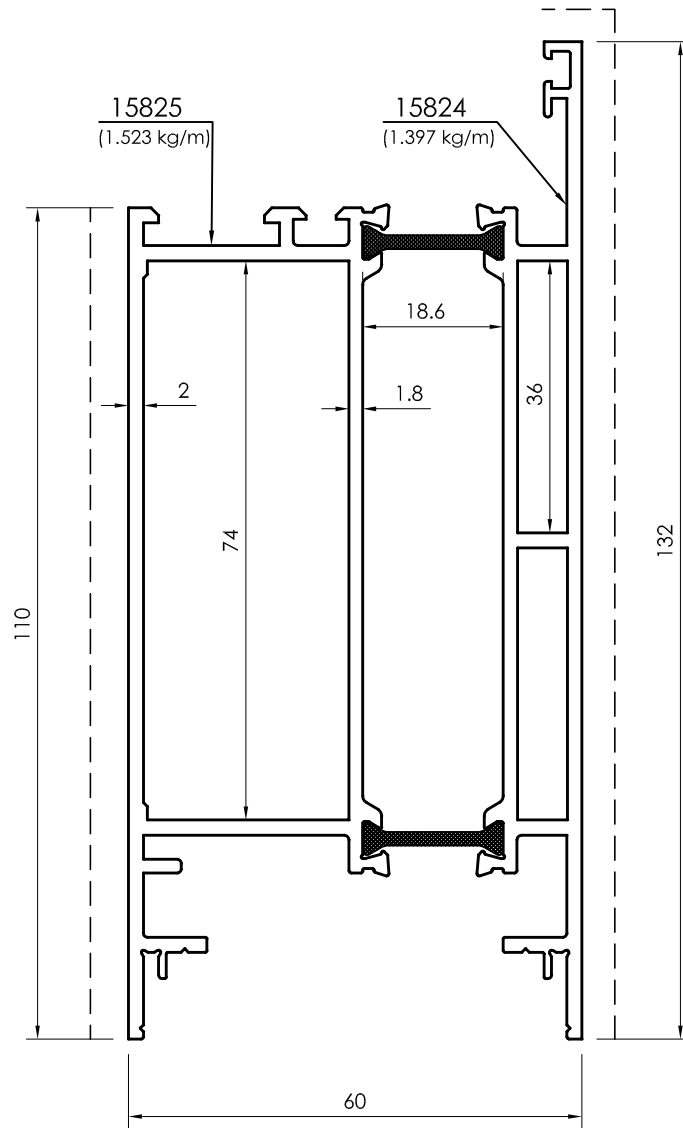
All dimensions in mm
Visible area_-----

T - Profiles



All dimensions in mm
----- Visible area

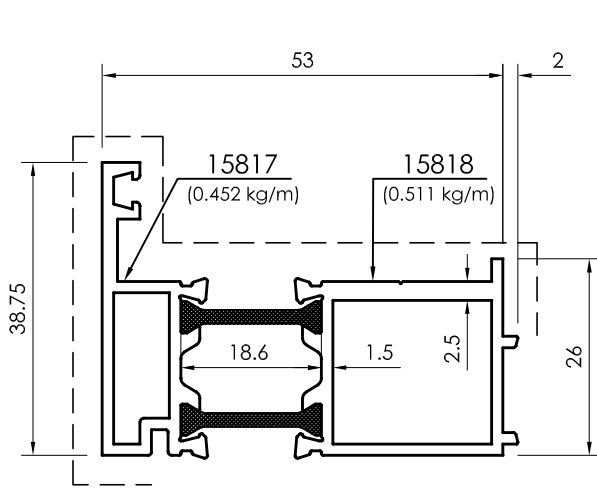
Door Bottom Profiles



20227
 (2.920 kg/m)
 BOTTOM PROFILE FOR DOOR

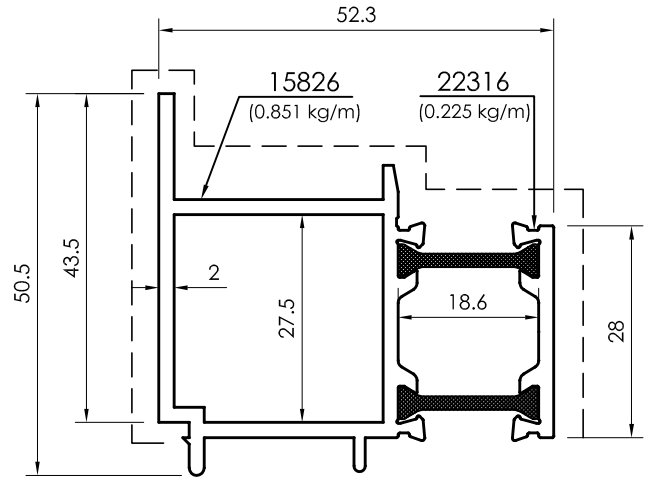
All dimensions in mm
 Visible area_-----

Complementary Profiles



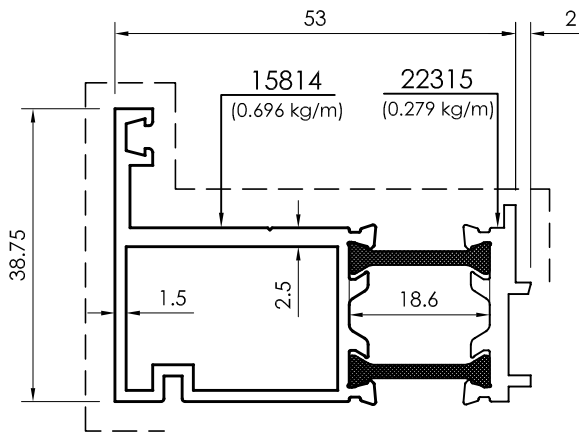
20216
(0.963 kg/m)

FASTENED TO SASH PROFILE 20213
(FOR DOUBLE LEAF HINGED DOORS
INWARD OPENING)



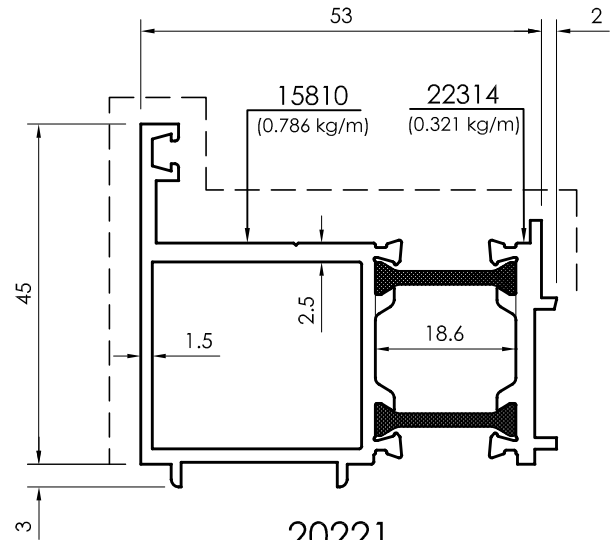
20220
(1.076 kg/m)

FASTENED TO FRAME PROFILE 20206/20211
T-PROFILE 20214 (ONLY FOR PIVOT WINDOWS)



20222
(0.975 kg/m)

FASTENED TO SASH PROFILE 20212
(FOR DOUBLE LEAF HINGED DOORS
OUTWARD OPENING)

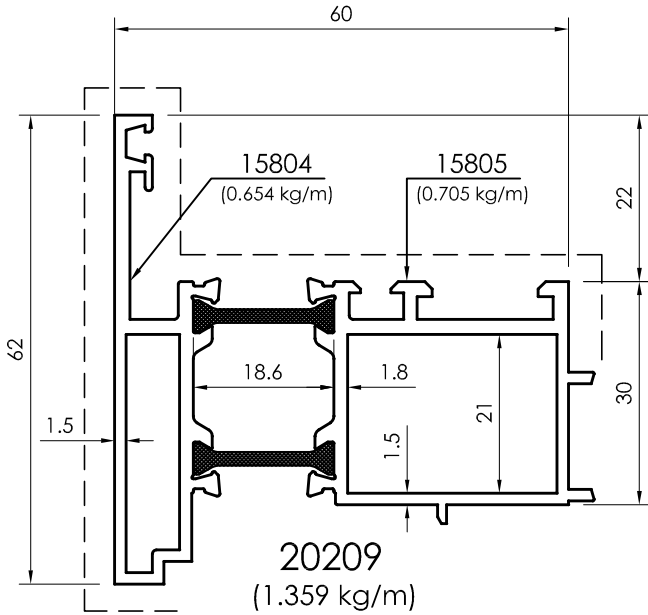


20221
(1.107 kg/m)

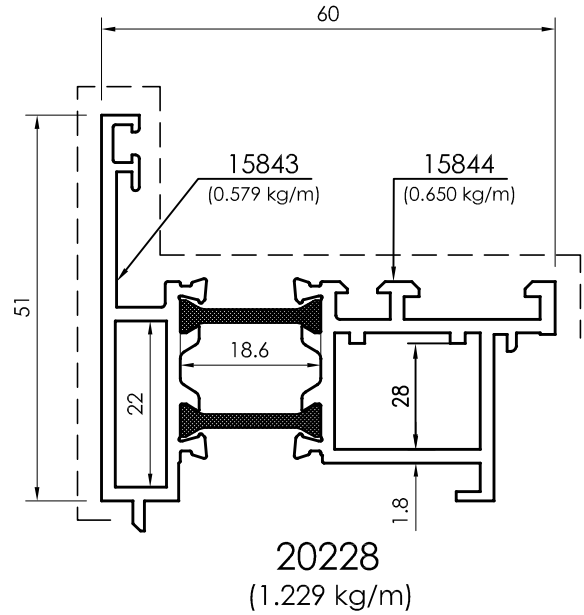
FASTENED TO FRAME PROFILE 20211
(FOR HINGED DOORS OUTWARD OPENING)

All dimensions in mm
----- Visible area

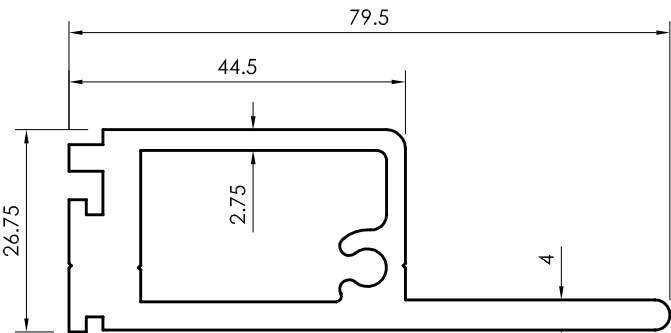
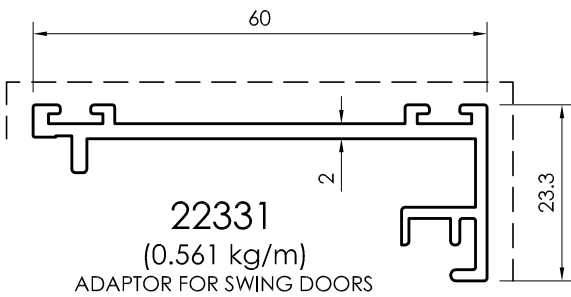
Complementary Profiles



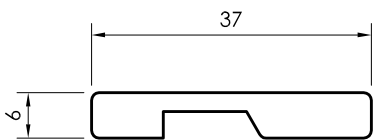
FASTENED TO SASH PROFILE 20207
(FOR DOUBLE LEAF HINGED WINDOW
INWARD OPENING)



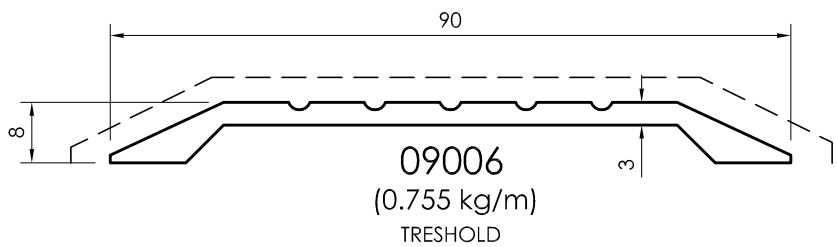
ADAPTOR PROFILE USED WITH FRAME PROFILE 20206
(FOR HINGED WINDOW OUTWARD OPENING)



TO JOIN T-PROFILE WITH THE FRAME PROFILES-20206 ,20211 &
TO THE SASH PROFILE 20213(MILL FINISH)

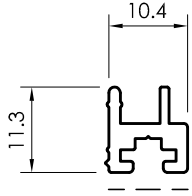


TO USE WITH 20206 / 20211 Etc.
(MILL FINISH)



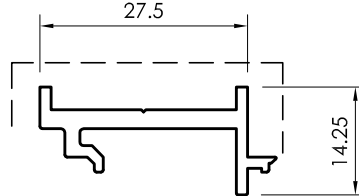
All dimensions in mm
Visible area_____

Complementary Profiles



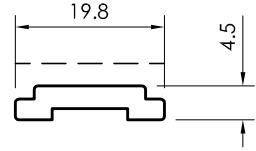
22317
(0.157 kg/m)

TO USE WITH
BOTTOM PANEL 20227



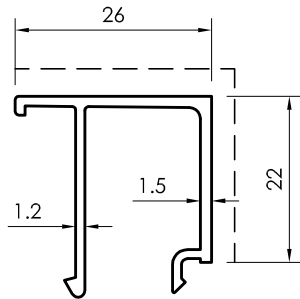
22313
(0.298 kg/m)

TO USE WITH
HINGED DOOR FRAME
20211 / 20224 / 20225 / 20226



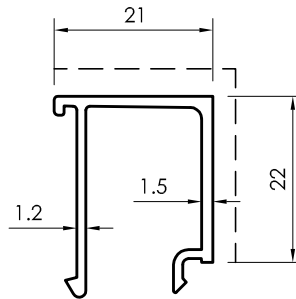
09888
(0.175 kg/m)

TO USE WITH SASH PROFILE
20207 & 20229 FOR
LOCKING ARRANGEMENT



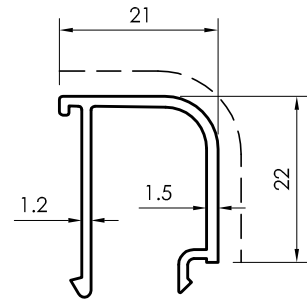
10371
(0.298 kg/m)

GLAZING BEAD FOR
GLASS THICKNESS FROM
18mm TO 22mm



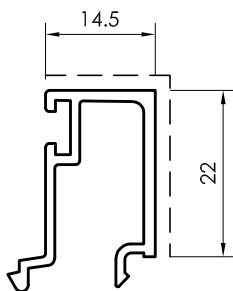
10372
(0.279 kg/m)

GLAZING BEAD FOR
GLASS THICKNESS FROM
24mm TO 28mm

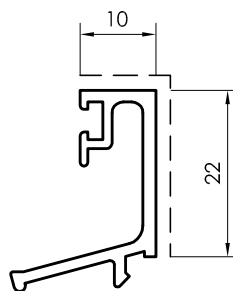


11546
(0.267 kg/m)

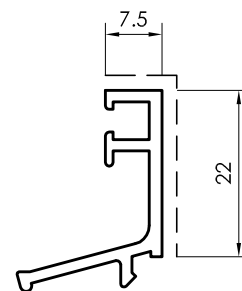
GLAZING BEAD FOR
GLASS THICKNESS FROM
24mm TO 28mm
(7mm CORNER RAD.)



10377
(0.282 kg/m)
GLAZING BEAD FOR
GLASS THICKNESS 32mm



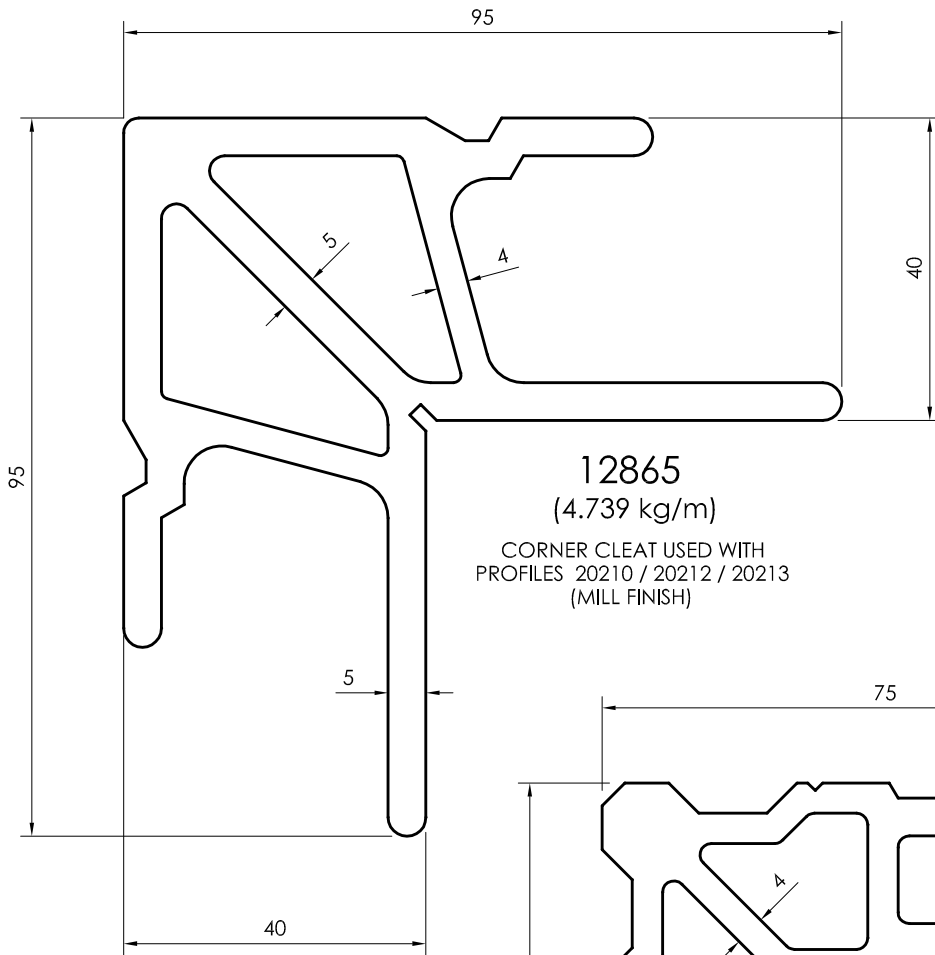
10464
(0.271 kg/m)
GLAZING BEAD FOR
GLASS THICKNESS 35mm



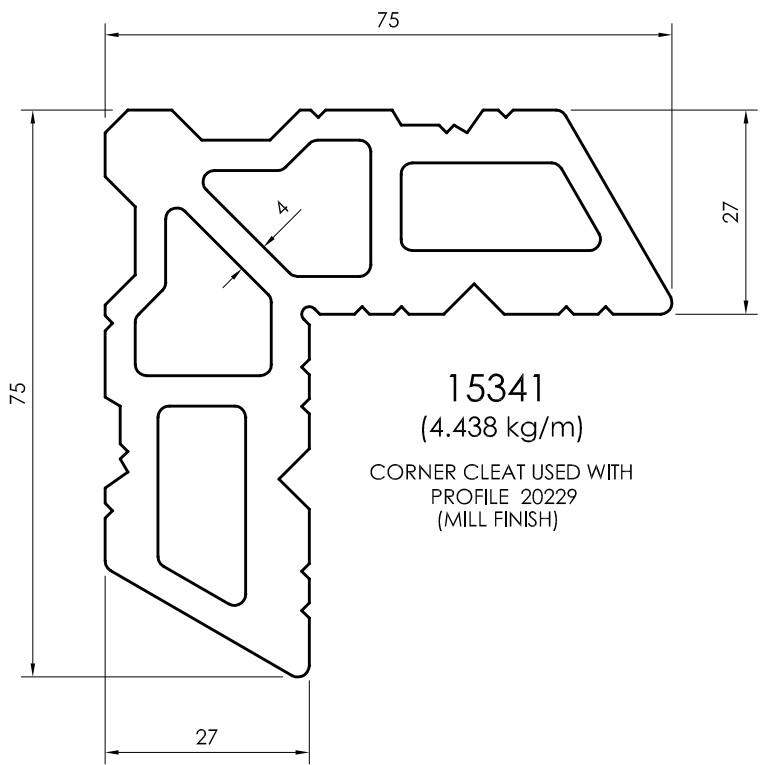
11321
(0.251 kg/m)
GLAZING BEAD FOR
GLASS THICKNESS 38mm

All dimensions in mm
----- Visible area

Complementary Profiles



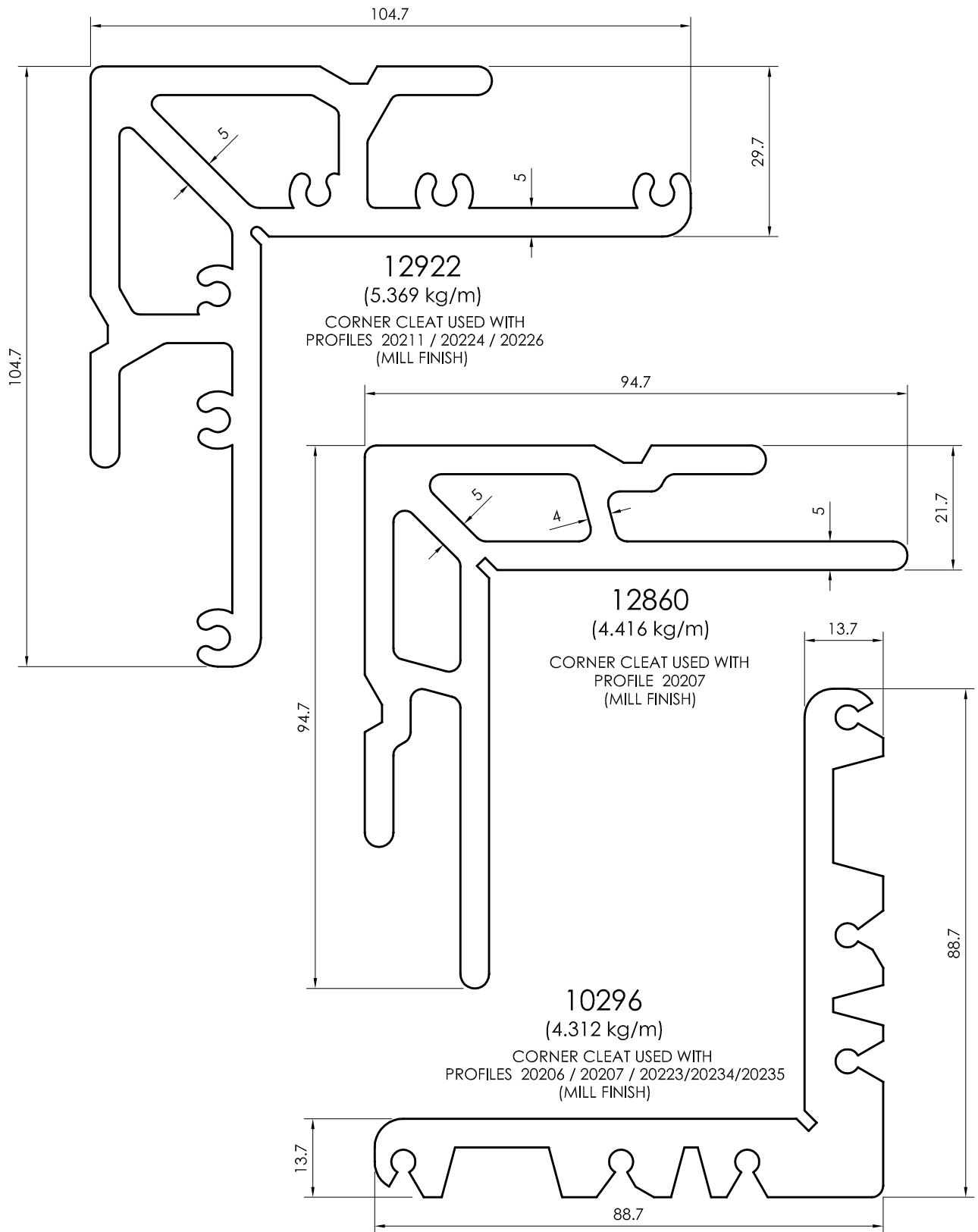
12865
 (4.739 kg/m)
 CORNER CLEAT USED WITH
 PROFILES 20210 / 20212 / 20213
 (MILL FINISH)



15341
 (4.438 kg/m)
 CORNER CLEAT USED WITH
 PROFILE 20229
 (MILL FINISH)

All dimensions in mm
 Visible area_____

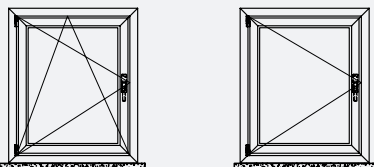
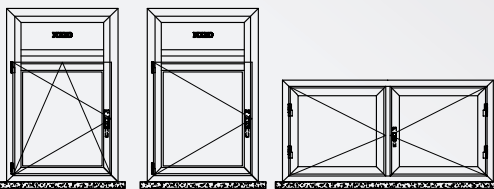
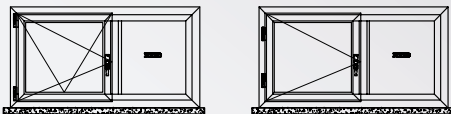
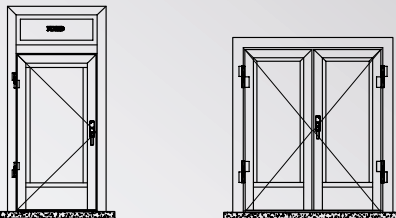
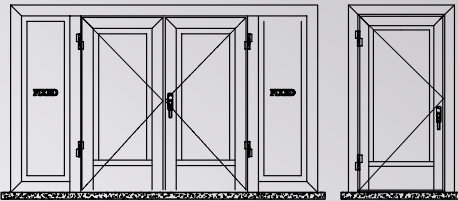
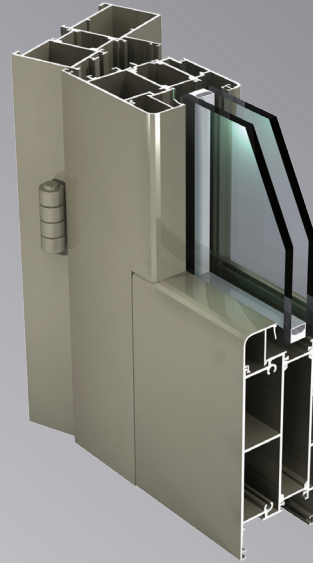
Complementary Profiles



All dimensions in mm
----- Visible area

THERMAL BREAK 62mm

- Features Glass - 24mm
- Alloys - 6063 / 6060/ 6061 / 6082
- Frame: 62mm to 106mm
- Sash: 70.5mm
- The System can be inward and outward opening
- The System can be used for Door, Window & Turn + Tilt window
- Assembly of the frame and sash cut 45°
- Thermal Strip: 22mm
- EPDM Gasket
- Finishes:
Powder Coates
Anodizing
According to Shades available in Gulf Extrusions



Thermal Break - 62mm hinged system is a unique, elegant 62mm width frame designed to achieve a better performance with a wide variety of frames available to cover the needed applications. It is designed for heavy duty use (H-HC40) according to the American National Standard. The results have been impressive to energy conservation, sound reduction, water and dust proofing. The importance of thermal conductivity in the aluminum frame becomes apparent when one considers that the frame accounts for an average of 25% of the total window surface. All profiles are available in all colors in order to meet today's modern architectural requirements, along with the possibility of bi-coloration due to the separation done by the thermal break strips. For better performance of the System, Alignment cleats for the frame and the shutter are used. Durable weather sealment mastic is a must at all joints. Specially designed EPDM gaskets are made available with the system to enhance the performance and create easy Assembly. Other accessories such as rollers and flush handles come as part of the system.

Sections:

The sections in gulf extrusions line are produced by extruding aluminum on a wide range of presses starting with a 800 tons to 4400 tons press. They are made of aluminum alloys 6060,6063,6082,6005 according to British Standard Specification for extrusion Dimensions Tolerances BS EN 755-9:2008 and BS EN 12020-2:2008

Frame:

Tubular with a width of 62mm, a wide range of frames is available to suit most of the required application in the building codes.

Sash:

Tubular straight. They are 70.5 mm thick. A wide range available to cover all applications of doors, single and double leaves and outward openings

Assembly:

Assembly of the frames and sashes is done by 45° cut whereas door bottom on profiles are custom 90°.

Glazing:

Standard or insulating ranges from "24 to 28"mm maintained by 3 EPDM gaskets and a glazing bead must be on the inside installation.

Sealing:

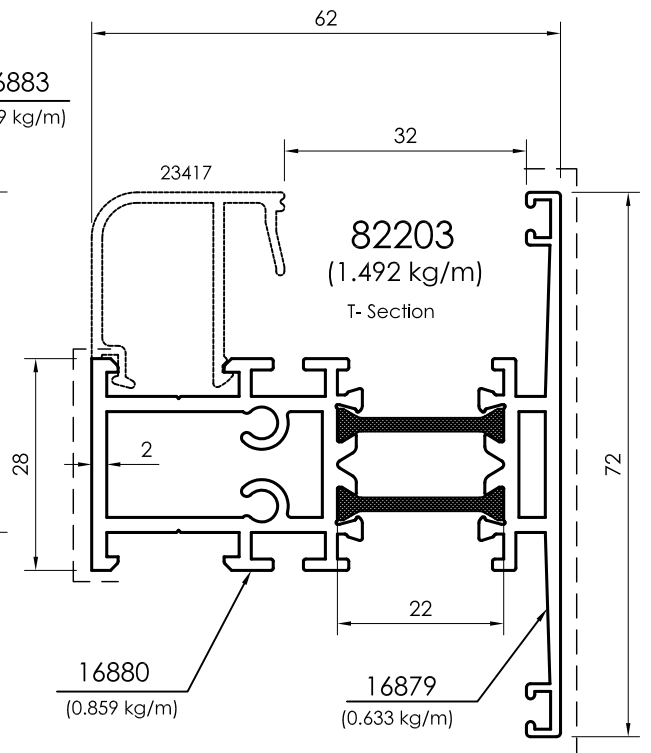
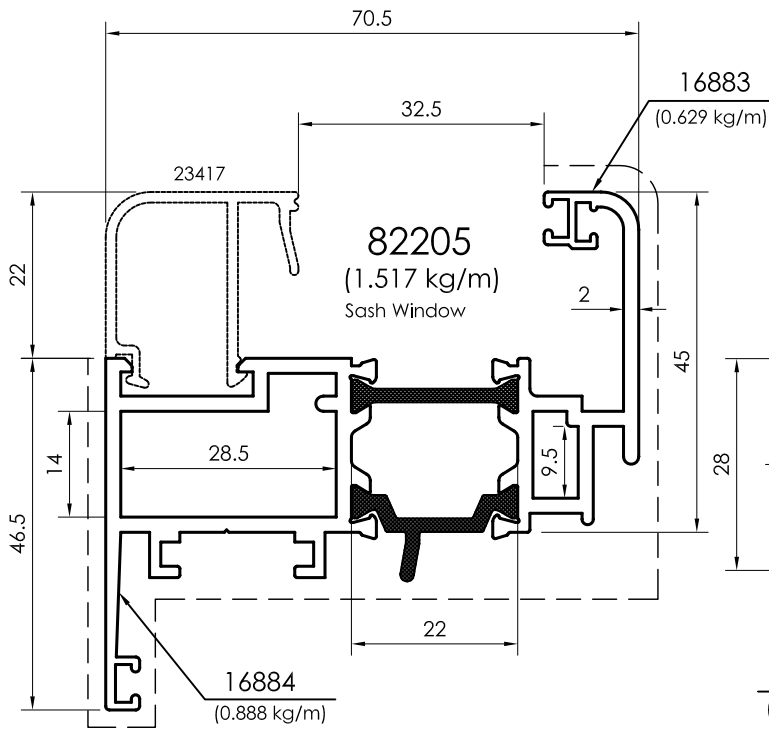
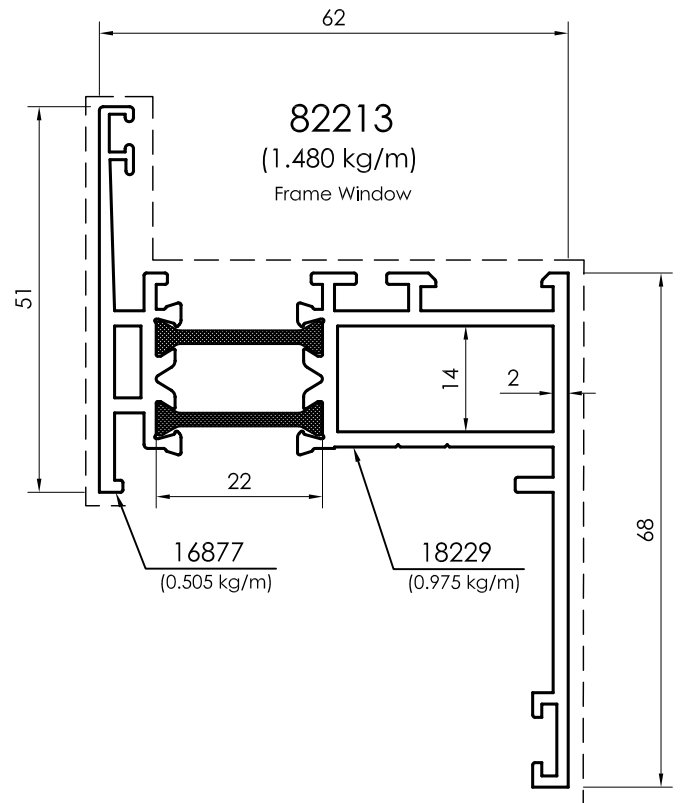
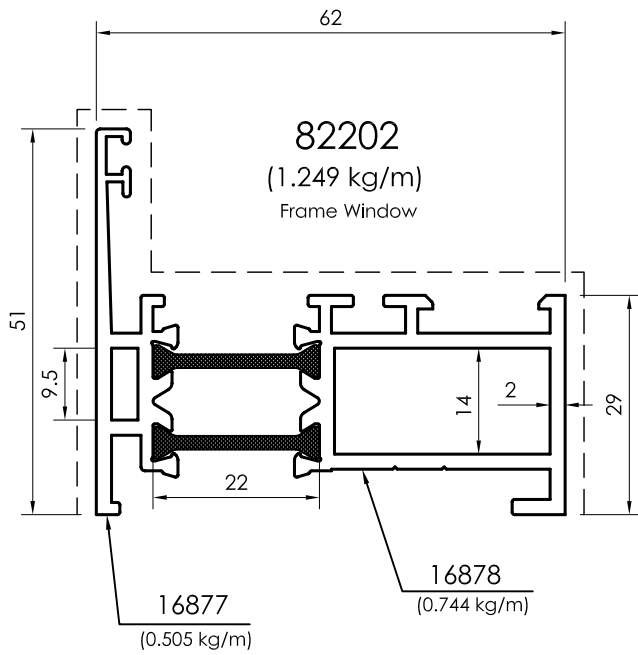
Sealing is achieved by the compression of 3 EPDM gaskets pressured during closing.

Performance:

THERMAL SYSTEM

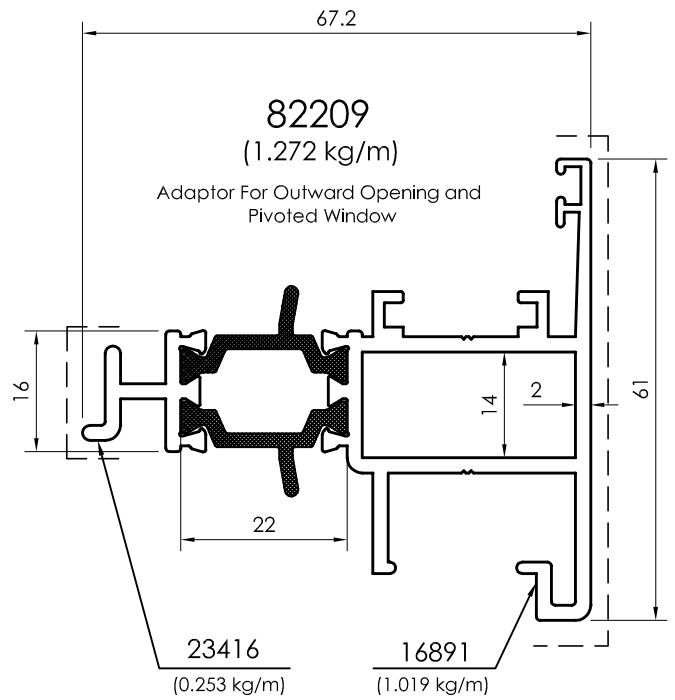
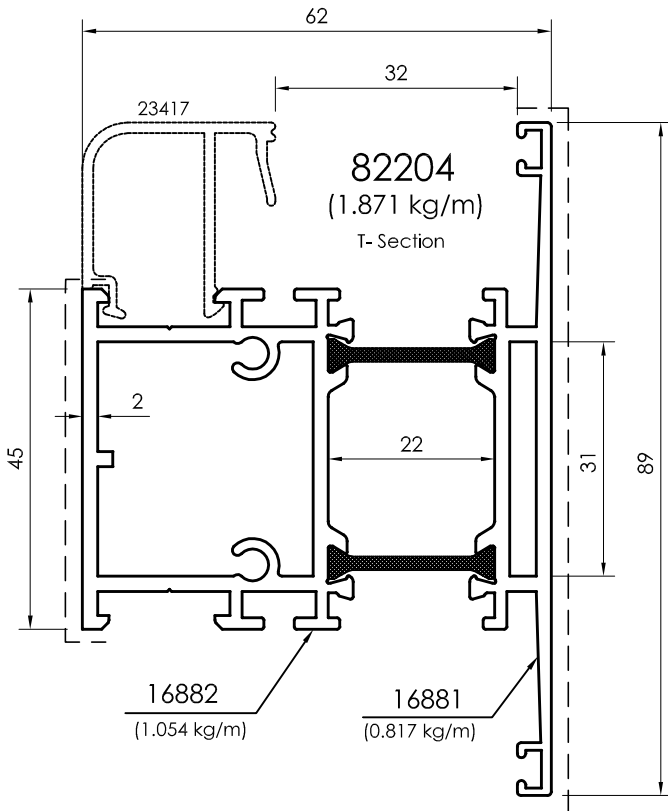
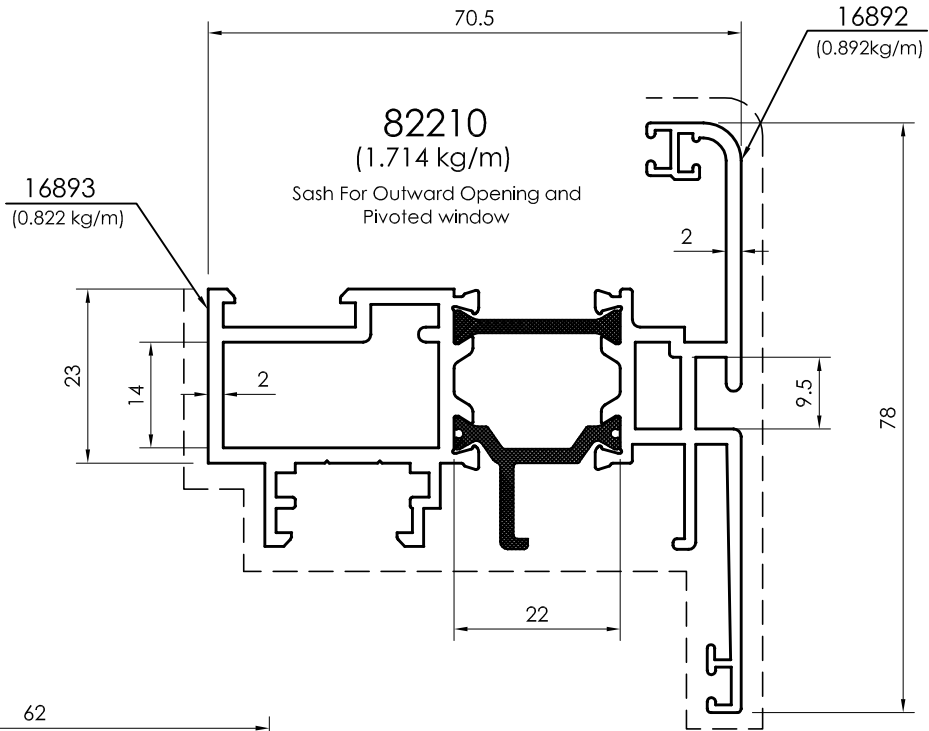
Casement & Turn + Tilt Window /HINGED DOOR

Window Profiles



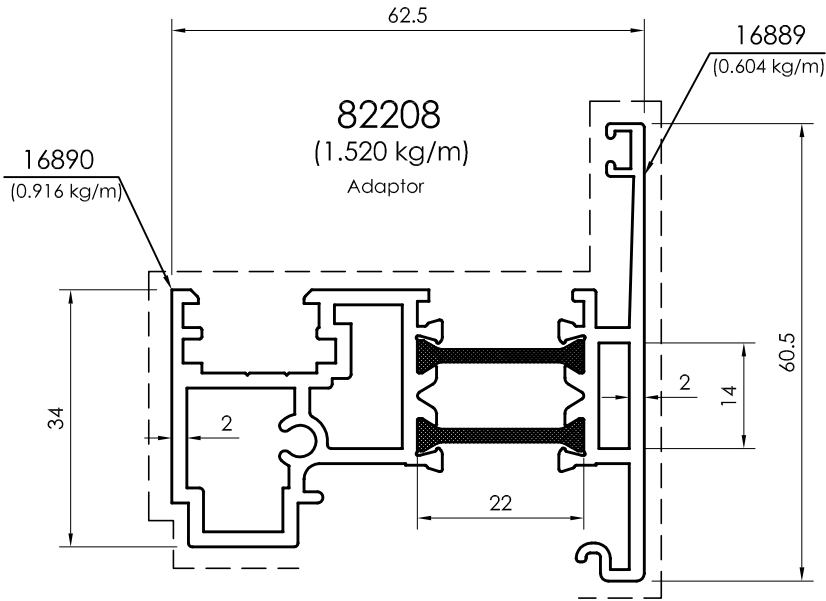
All dimensions in mm
----- Visible area

Pivot / T - Profiles

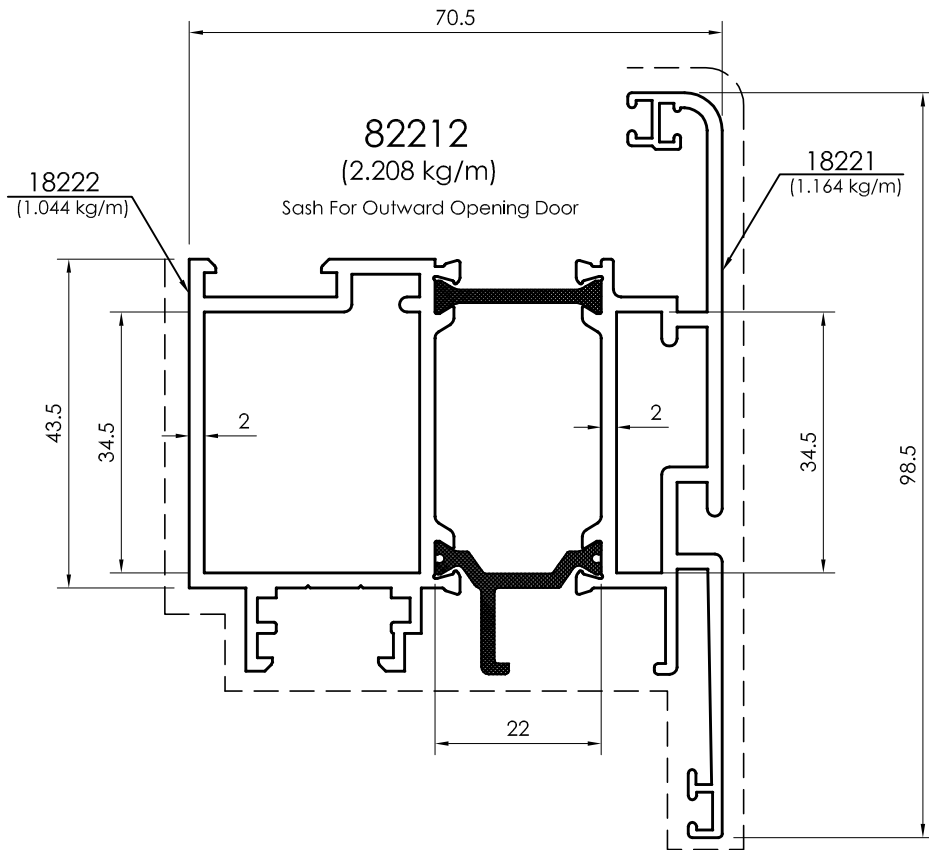


All dimensions in mm
Visible area_____

Sash Profile

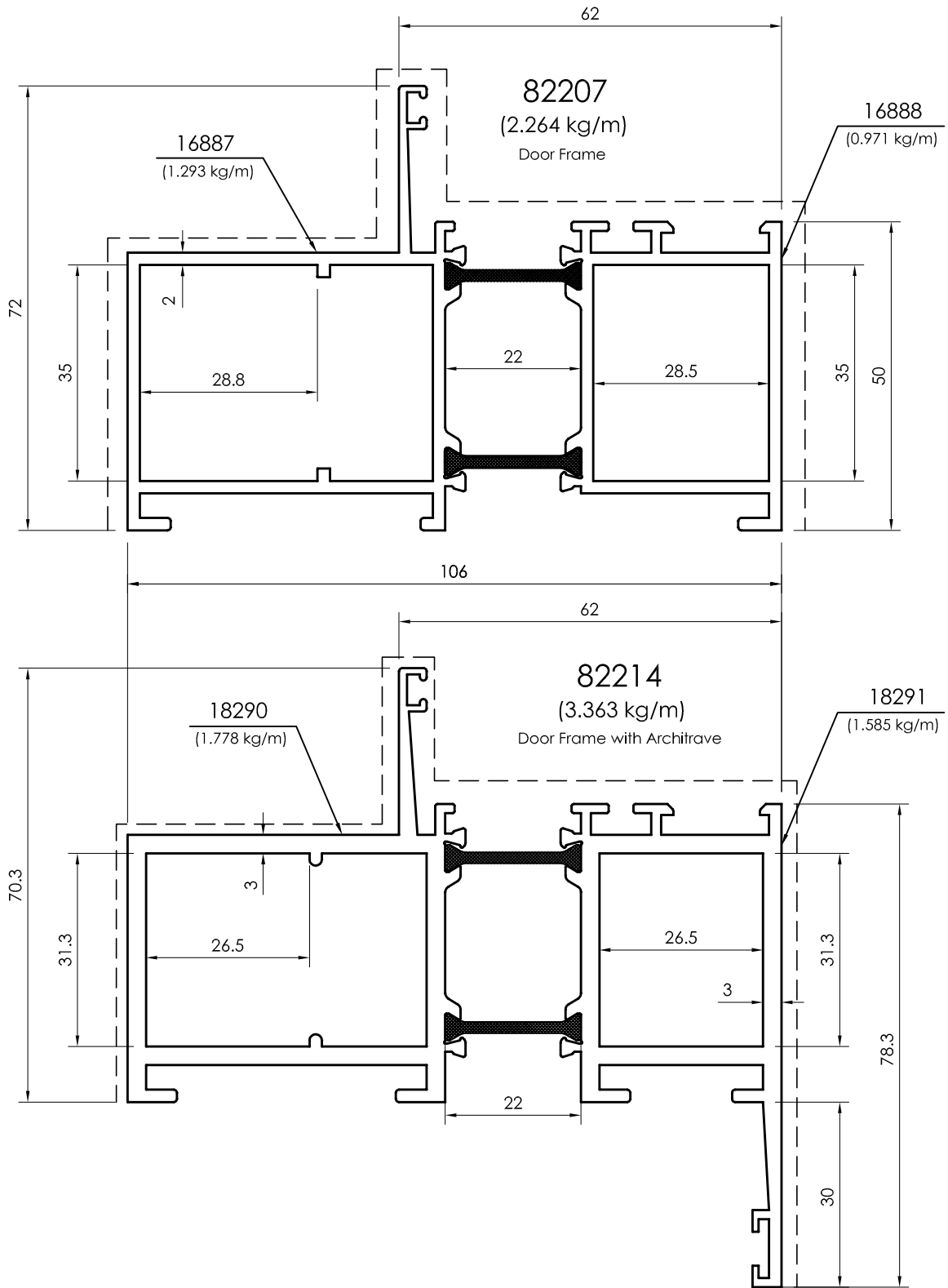


23417
(0.320 kg/m)
Glazing Bead
For Glass Thickness 24mm



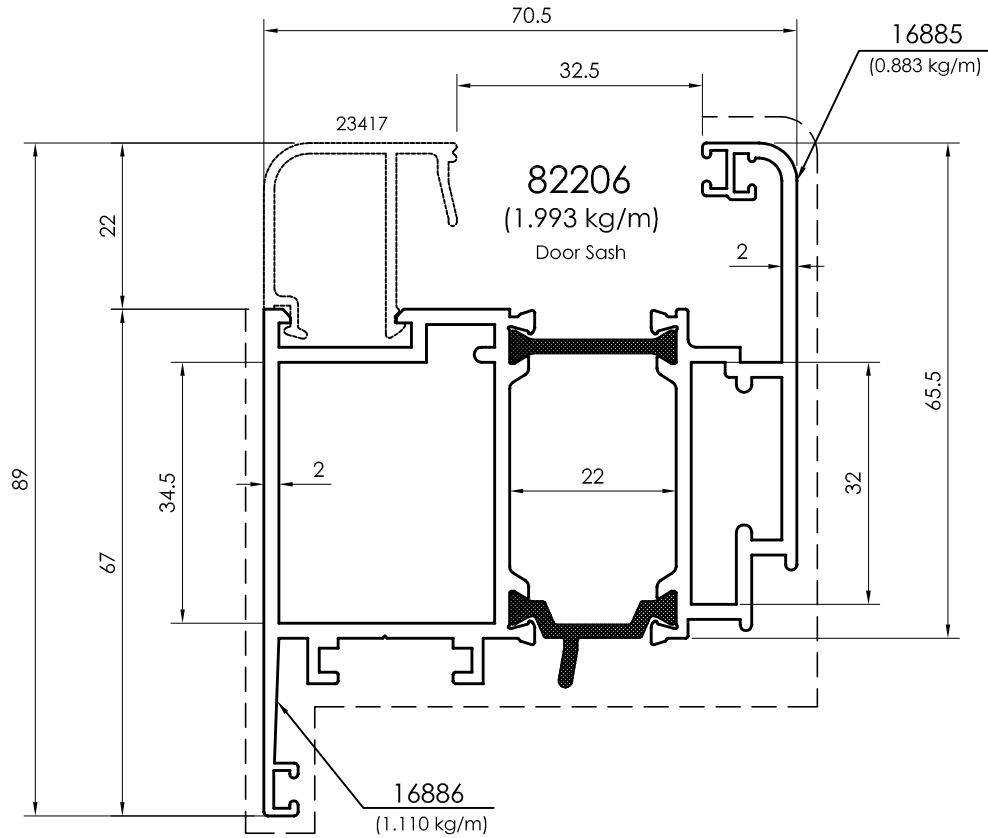
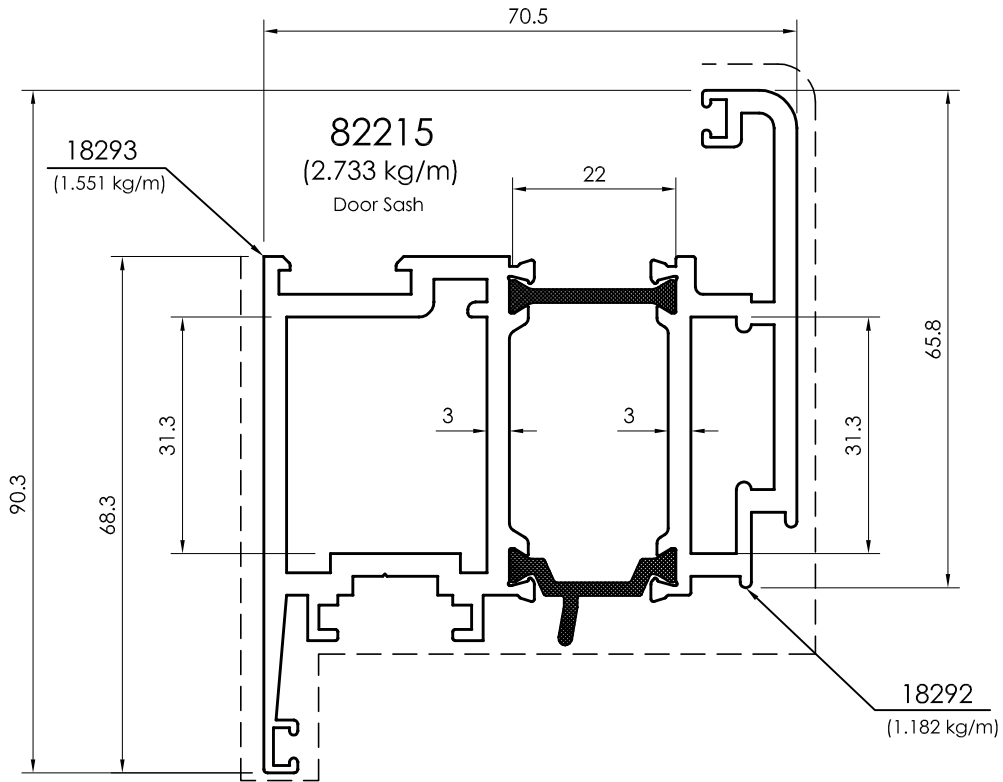
All dimensions in mm
----- Visible area

Frame Profiles



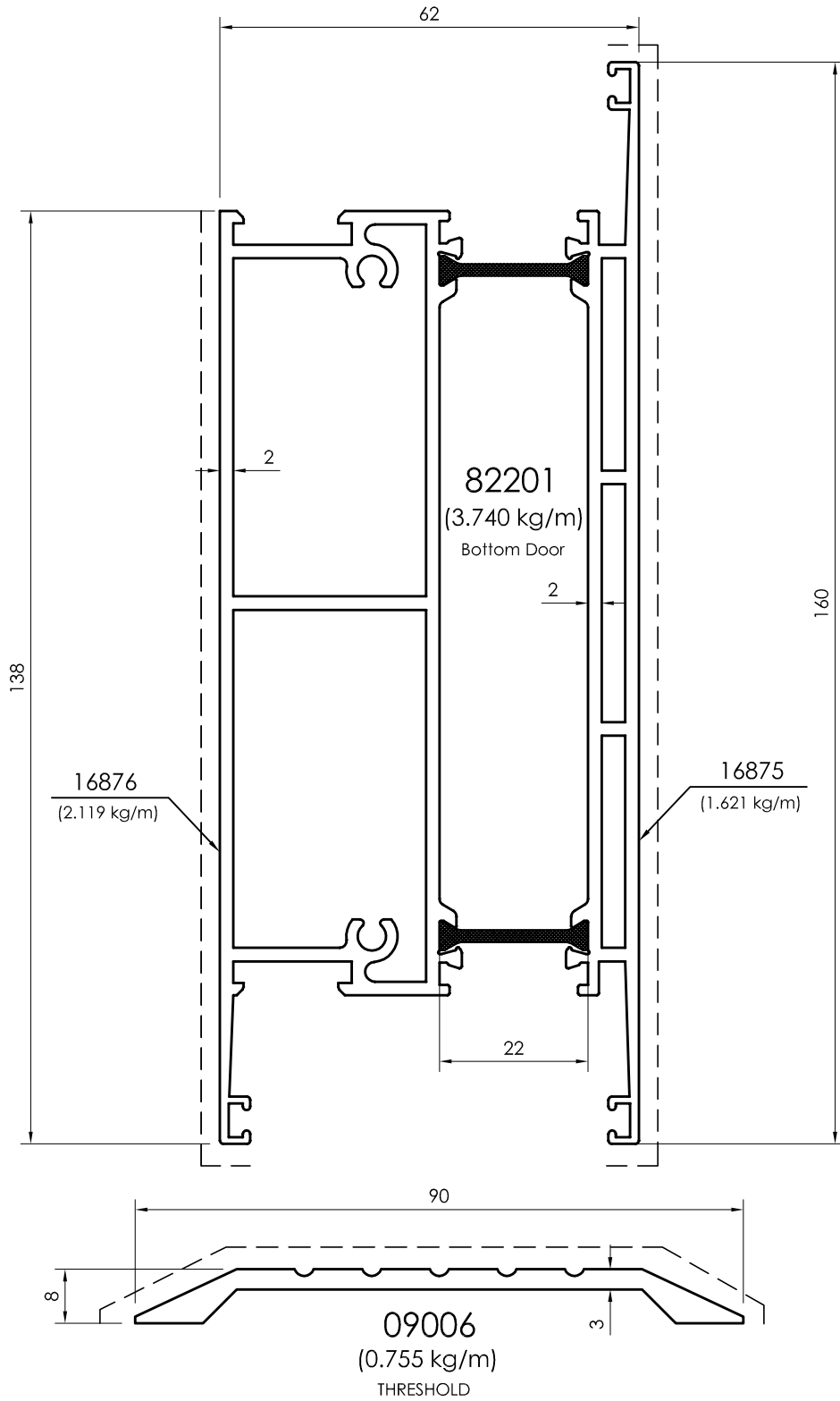
All dimensions in mm
Visible area_-----

Sash Profiles



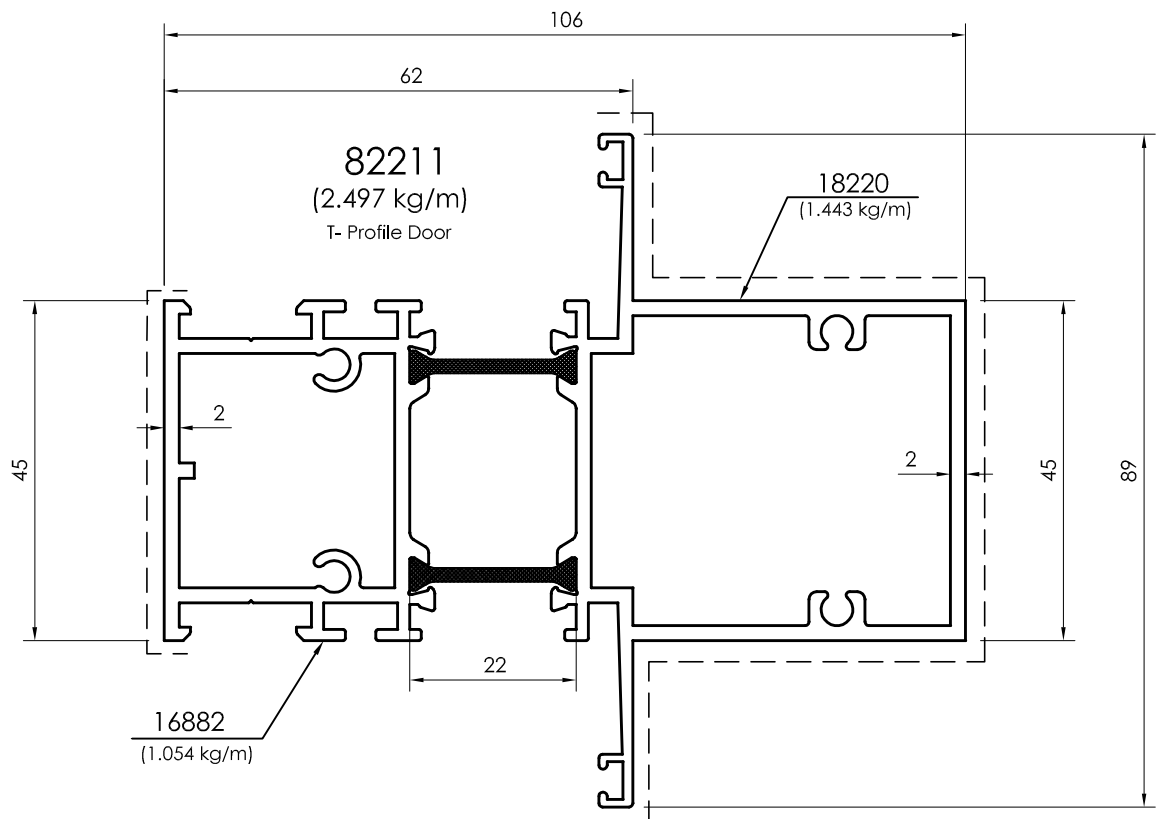
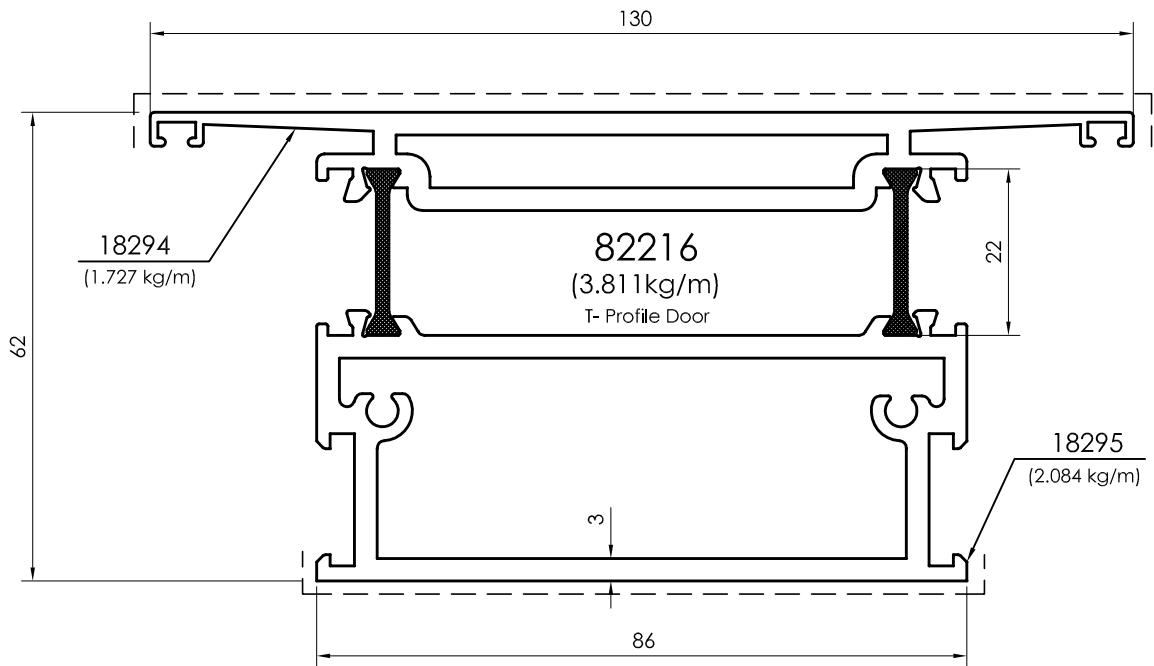
All dimensions in mm
----- Visible area

Door Bottom Profiles



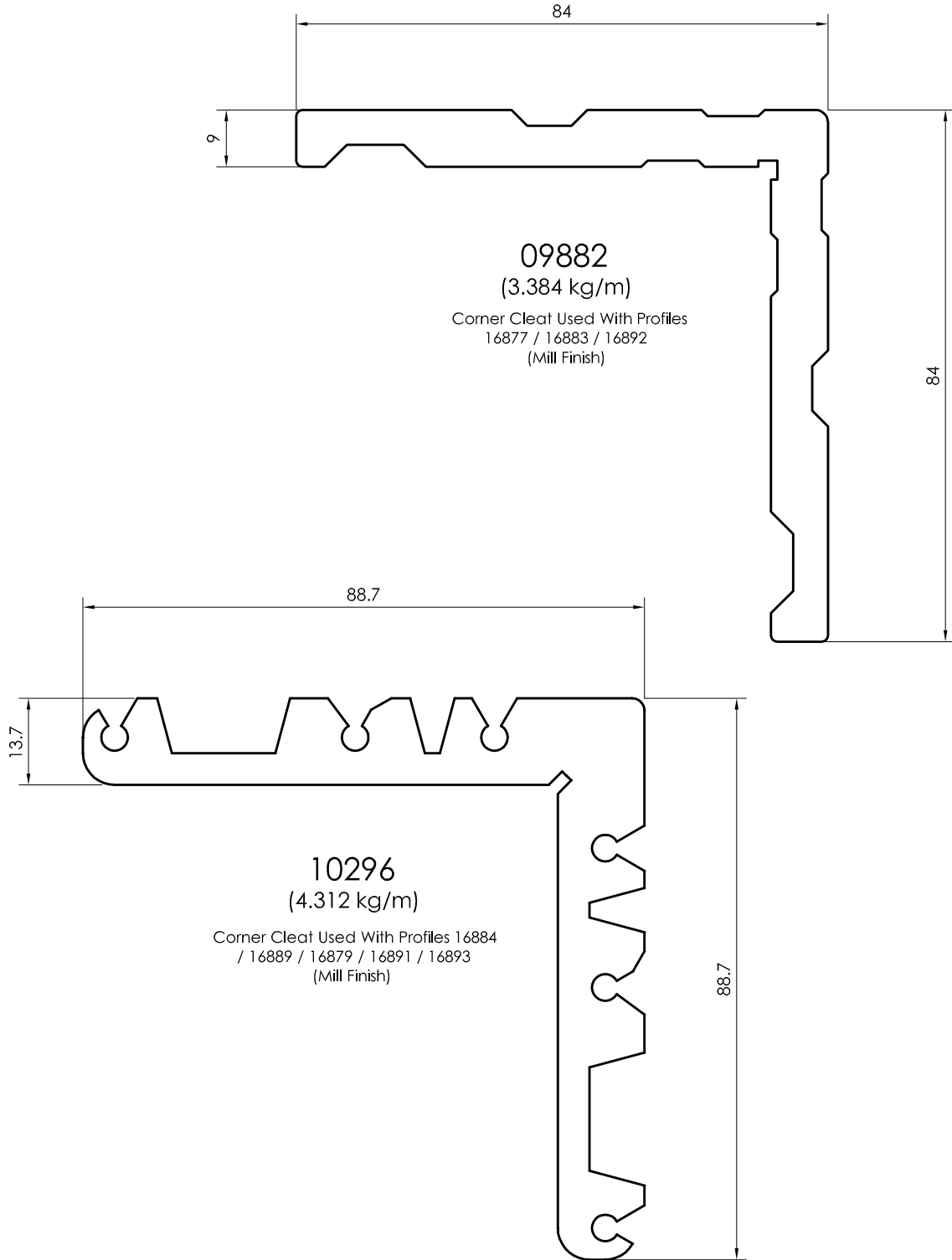
All dimensions in mm
Visible area_-----

T-Profiles Door



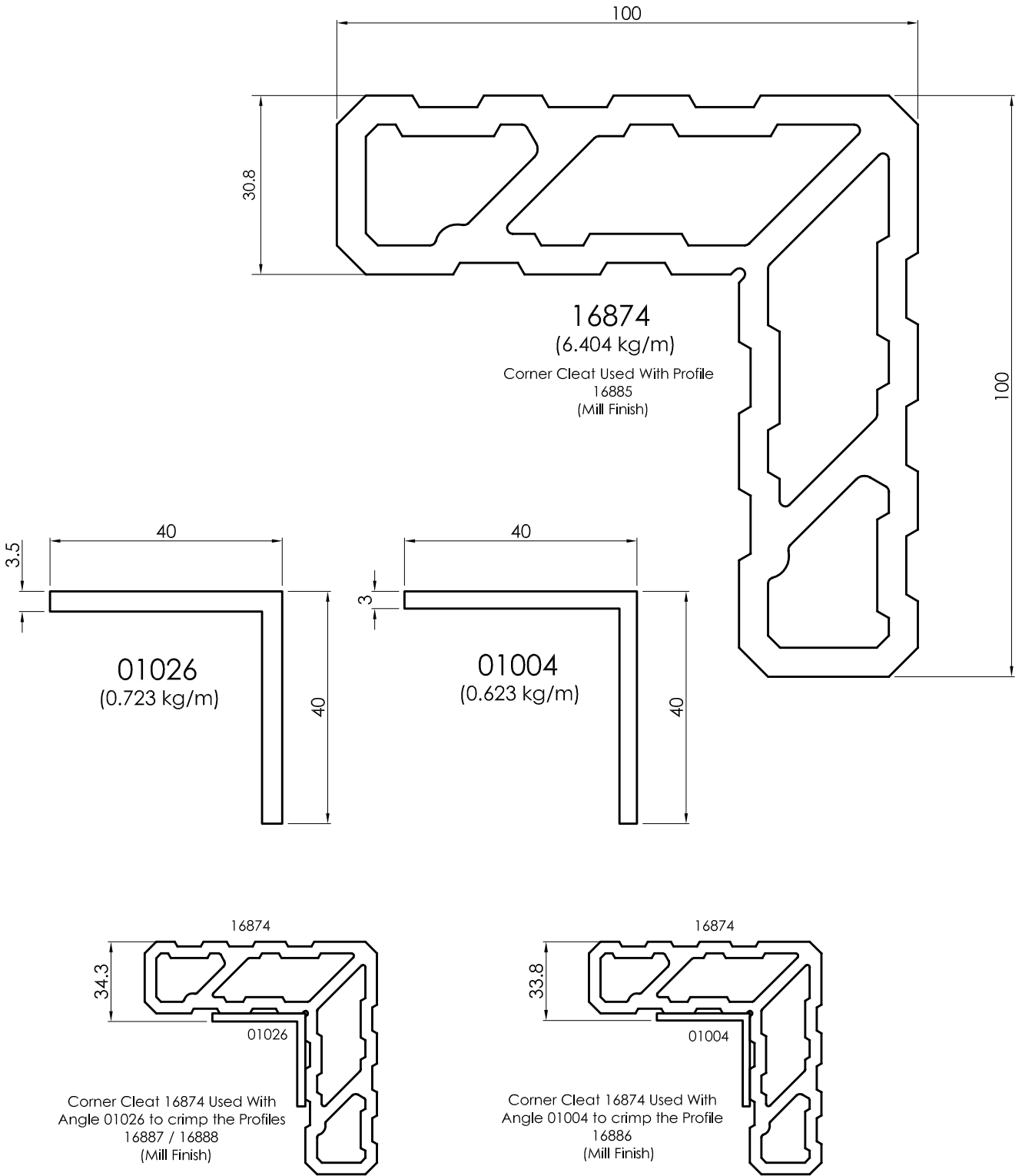
All dimensions in mm
 ----- Visible area

Corner Cleat Profiles



All dimensions in mm
 Visible area_-----

Corner Cleat Profiles

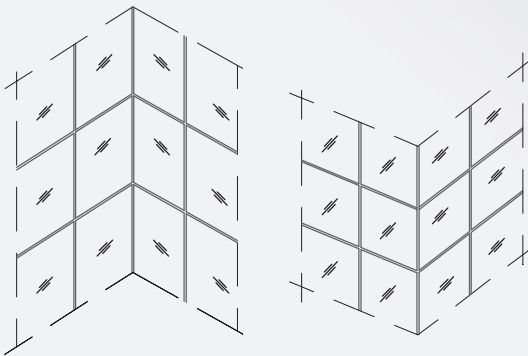
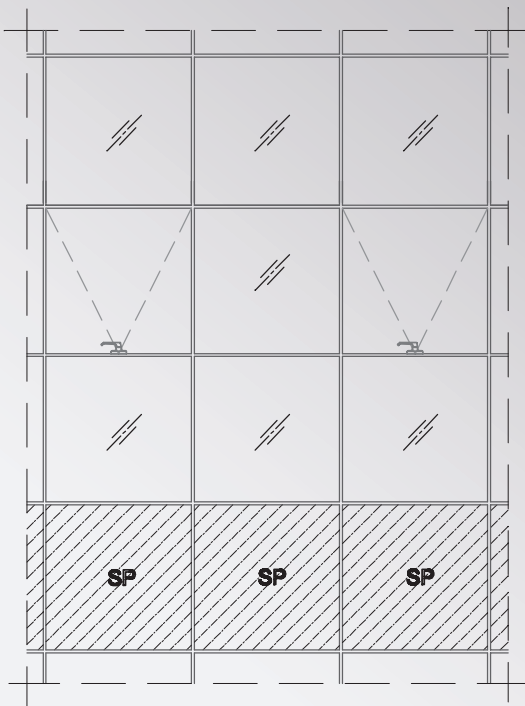
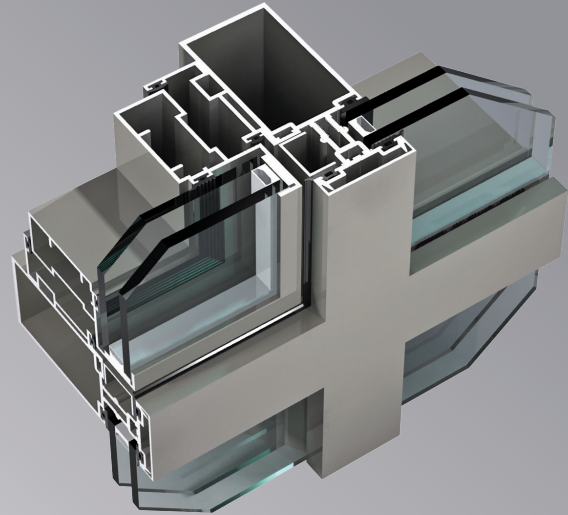


All dimensions in mm
----- Visible area

CURTAIN WALL

CURTAIN WALL 50mm

- Features Glass - 6mm to 32mm
- Alloys - 6063 / 6060/ 6061 / 6082
- The System consists of 50mm width
- The System can provide the possibility of large glass panels.
- The System can be used for Two way, Four way & Conventional.
- Casements are Italian Openings.
- EPDM Gasket
- Finishes:
Powder Coates
Anodizing
According to Shades available in Gulf Extrusions



CW 50 is a unique curtain wall structure that combines multi-structural grid to create various aspects, starting by the conventional curtain wall system passing through the two way horizontal capping curtain wall systems to the four way structural curtain wall systems. CW 50 has proven to be a curtain wall solution perfectly tailored to the Middle East market requirement.

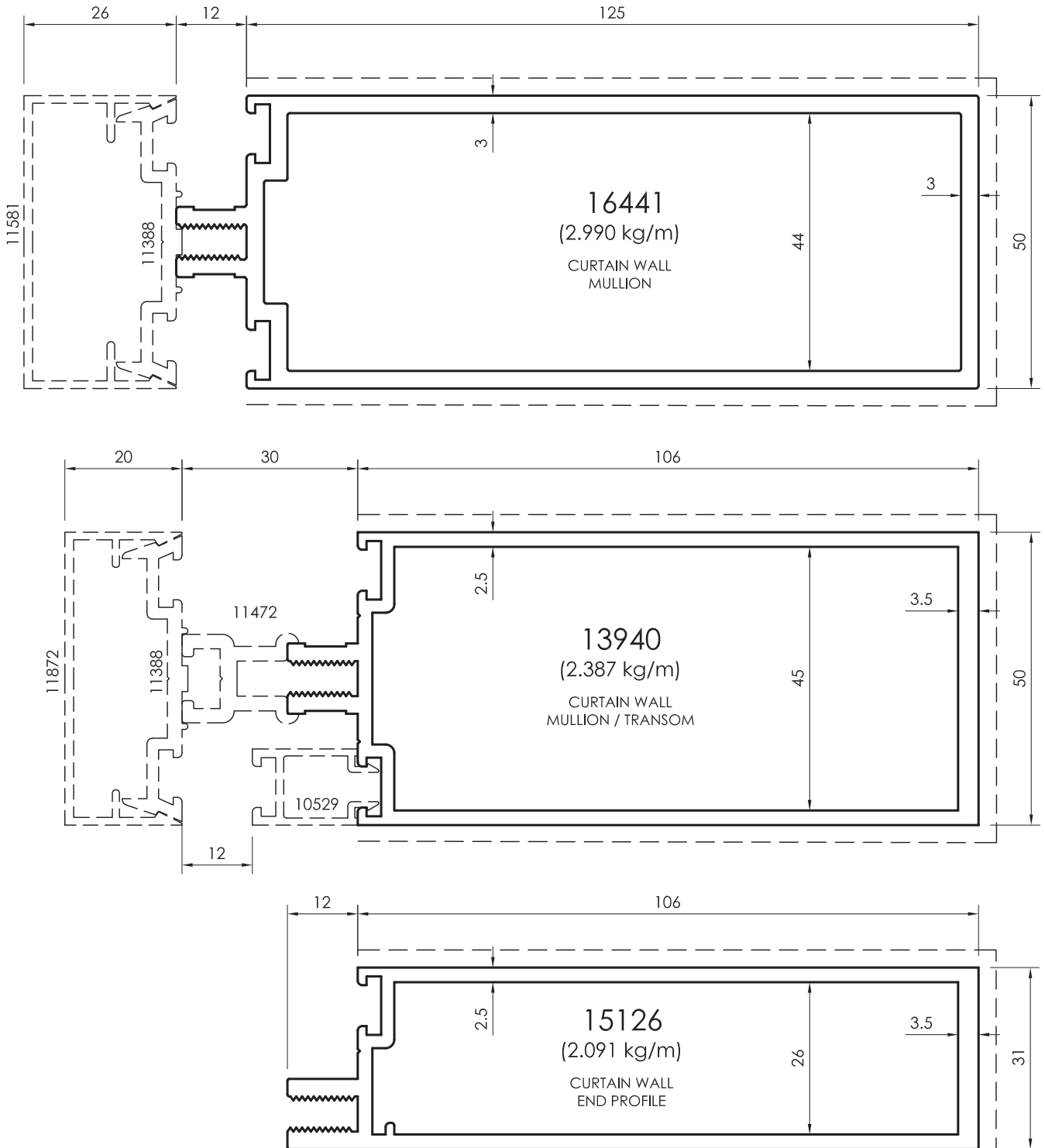
FEATURES:

The CW 50 system consists of 50mm width structure components allowing several external appearances. It is fast to manufacture and to install. With the wide range of profile selection, the system can provide the possibility of large glass panels, maintaining the stiffness and rigidity of the curtain wall structure. Mullions can be reinforced by Aluminium or Steel tubes to enhance the free span area, making it possible to be used in high structures. In CW 50 system, Casements are Italian openings with selected stay arms to ensure the tightness and stability of the opening.

CW 50 uses the same structures for multifunctional applications:

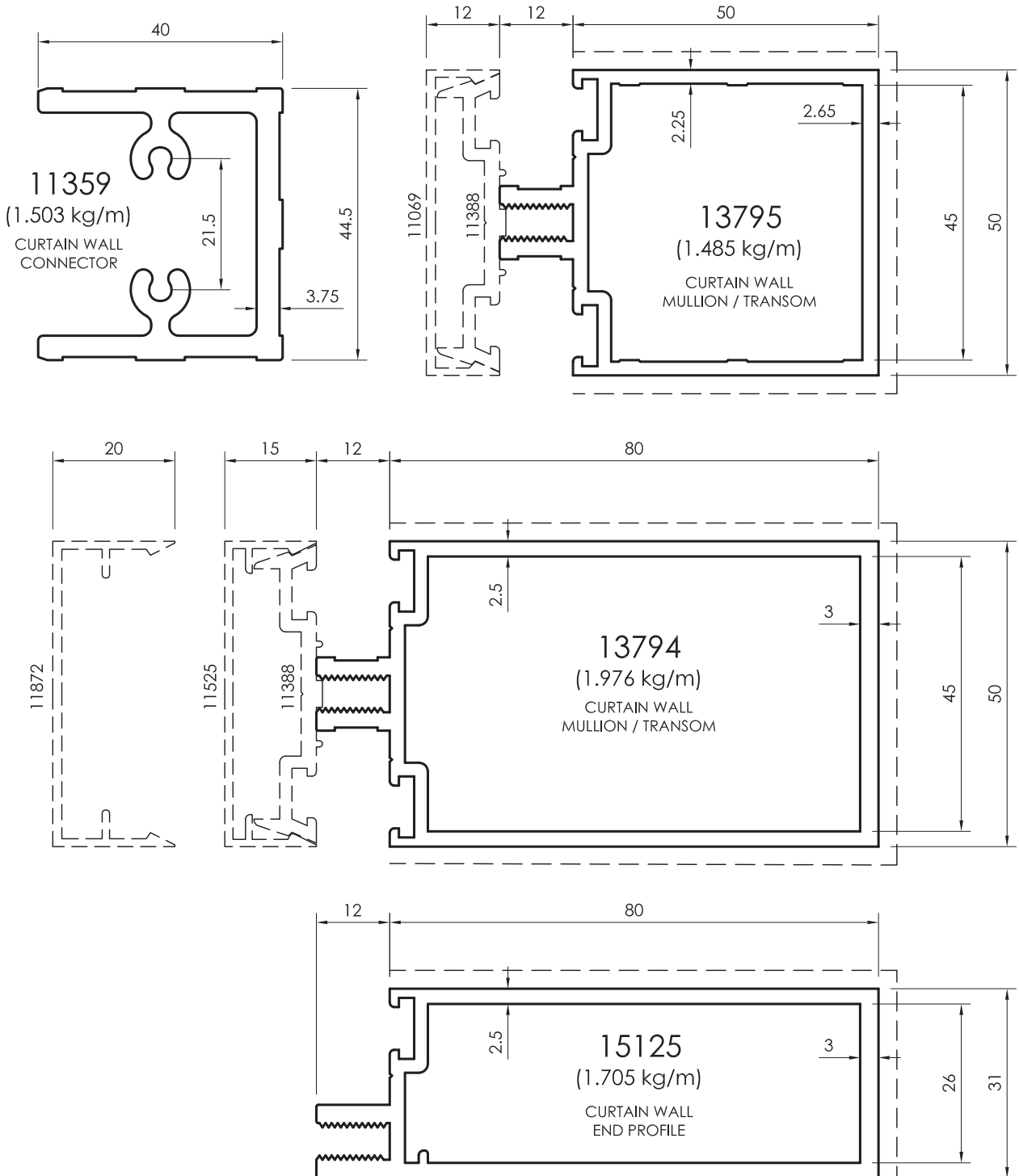
- Conventional application is obtained by applying horizontal and vertical caps, clipped to horizontal and vertical pressure plates screwed to the structure holding the glass panels. Two EPDM gaskets, one to the inside fixed on the structure, the second to the outside fixed on the pressure plate; provide the grip on the glass panels. Glass thickness ranges between 6mm – 32mm
- Two way or horizontal capping application is obtained by applying horizontal caps only, clipped to a horizontal pressure plate screwed to the structure and holding the glass panels. Two EPDM gaskets applied horizontally one to the inside fixed to the structure; the second to the outside fixed to the pressure plate provide the grip on the glass panels. Vertically only a vertical sealant is applied between the glass panels for aesthetic and water tightness Glass thickness ranges between 6mm – 32mm
- Four way structural aspects is a curtain wall aspect which conceals that conceals the aluminium structure from the outside making it completely invisible. Concealed openings are designed in order to keep the external appearance of the structure uniform even in the presence of the opening. The four way structural applications is obtained by fixing a glass toggle to the glass holding the panel by a specially designed aluminium spacer, well sealed by a structural sealant to ensure the rigidity of panel. The space between glass panels is sealed by a neutral sealant for aesthetic and water tightness purposes; this application is the most common application in the MENA region. Glass thickness is of 32 mm if panel is composed of Xmm inside- 20 mm airspace-8 mm outside the glass thickness can vary if we change the outer glass thickness uniformly on the façade.

Mullion / Transom Profiles



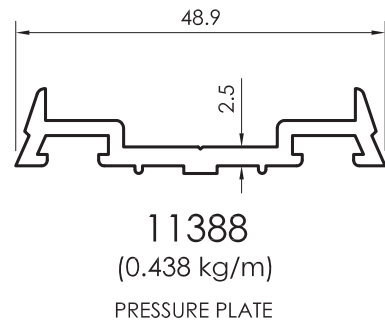
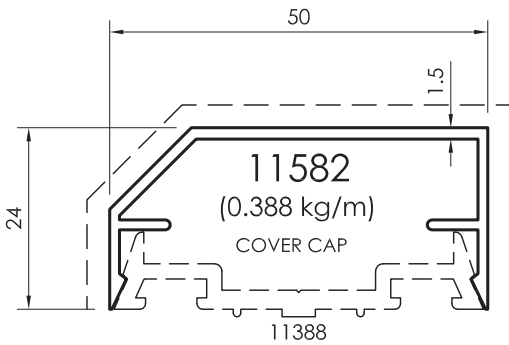
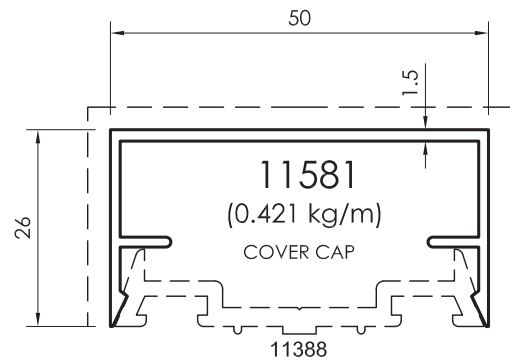
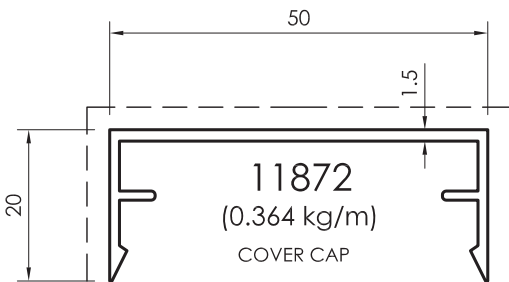
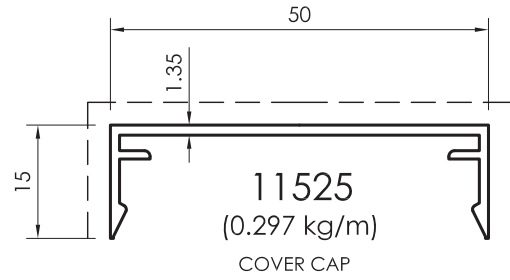
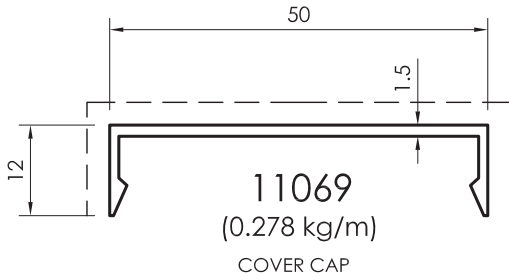
All dimensions in mm
 - - - - - Visible area

Mullion / Transom Profiles



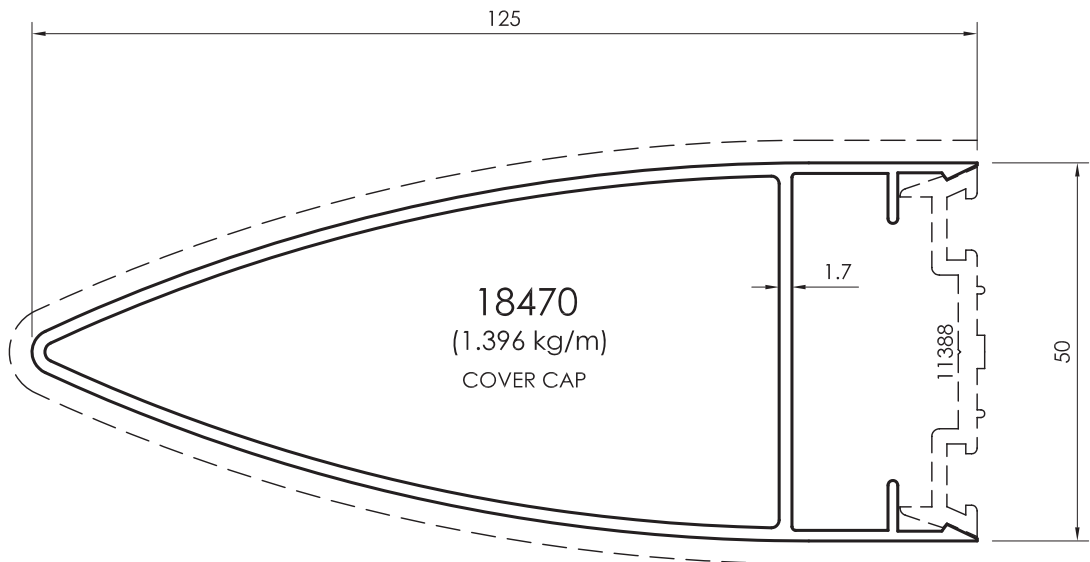
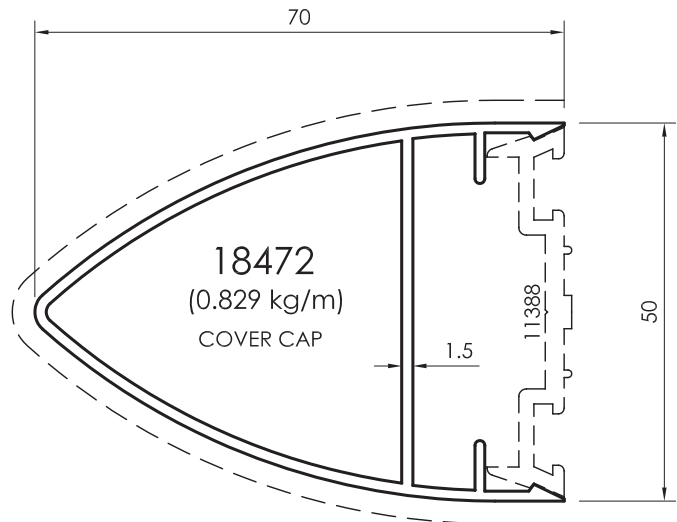
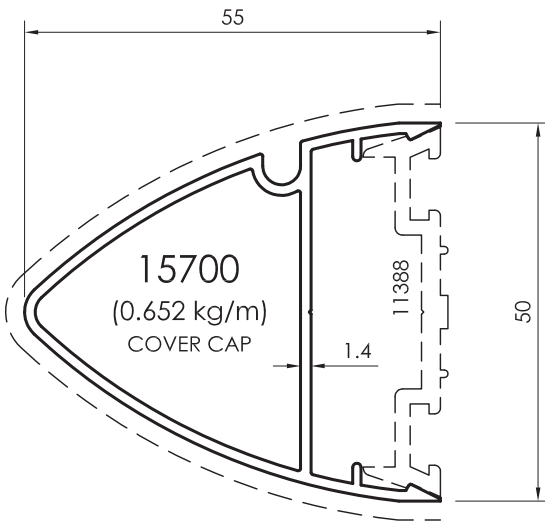
All dimensions in mm
Visible area_____

Complementary Profiles



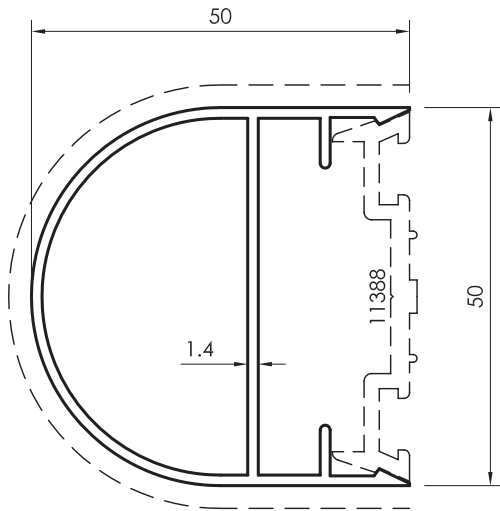
All dimensions in mm
----- Visible area

Complementary Profiles

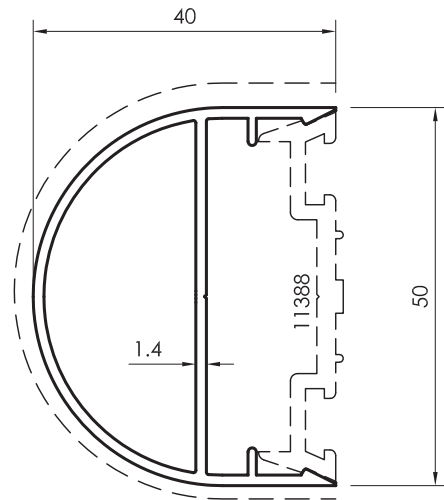


All dimensions in mm
Visible area_-----

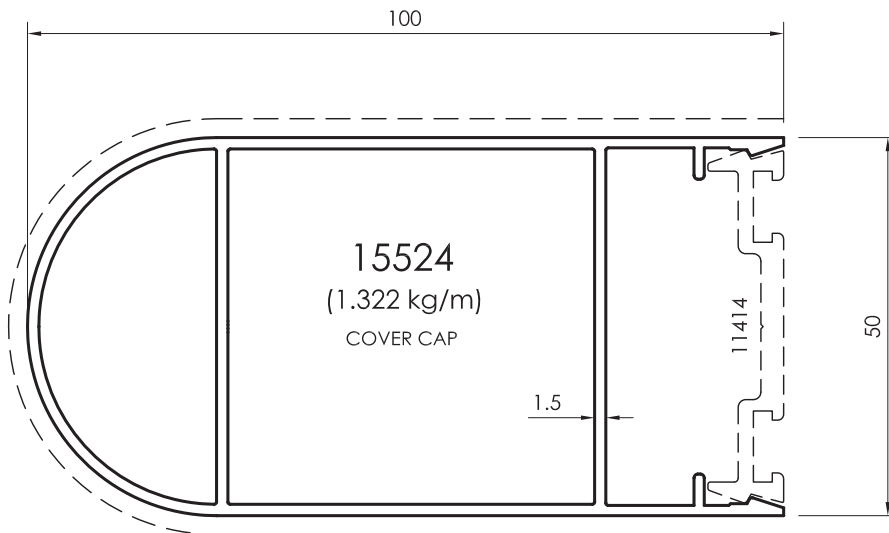
Complementary Profiles



18471
(0.696 kg/m)
COVER CAP



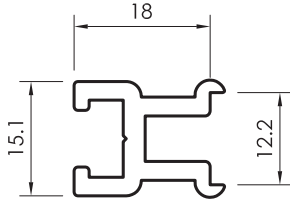
15699
(0.600 kg/m)
COVER CAP



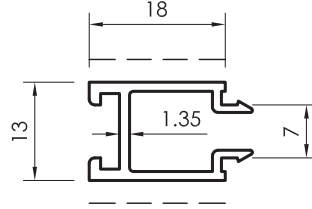
15524
(1.322 kg/m)
COVER CAP

All dimensions in mm
----- Visible area

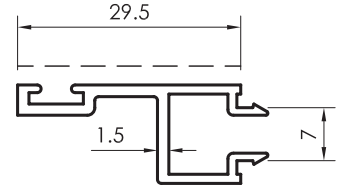
Complementary Profiles



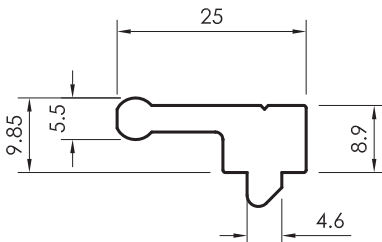
11472
(0.365 kg/m)
CURTAIN WALL
PRESSURE PLATE
ADAPTOR PROFILE



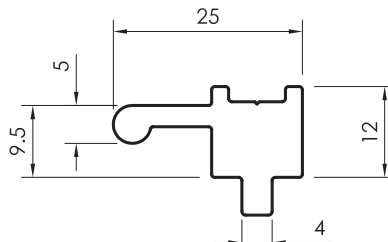
10529
(0.213 kg/m)
CURTAIN WALL
CLIP PROFILE



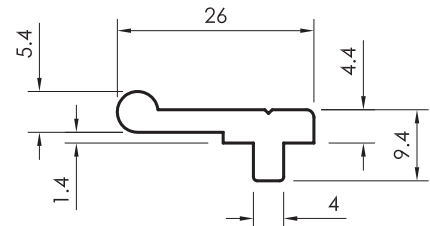
11618
(0.257 kg/m)
TRANSOM COVER
CLIP PROFILE



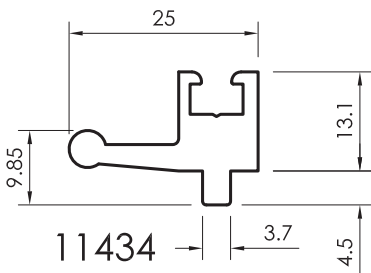
21926
(0.456 kg/m)
GLASS TOGGLER



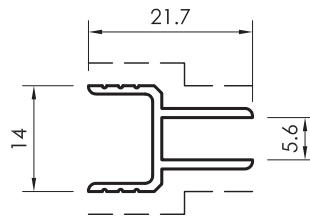
23389
(0.519 kg/m)
GLASS TOGGLER



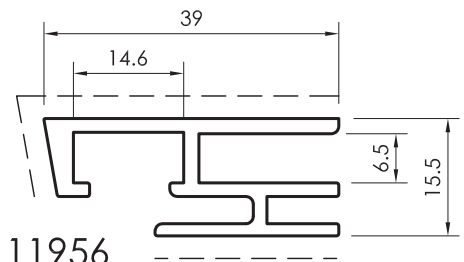
21074
(0.331 kg/m)
GLASS TOGGLER



11434
(0.454 kg/m)
GLASS TOGGLER



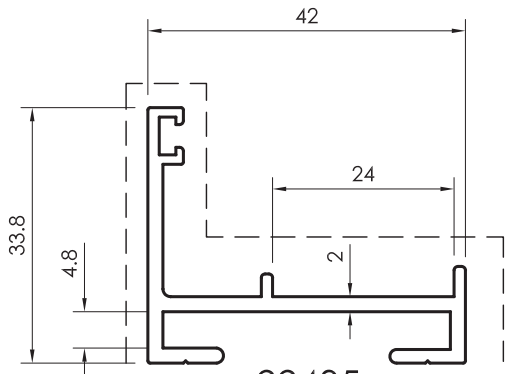
21073
(0.167 kg/m)
GLASS SPACER



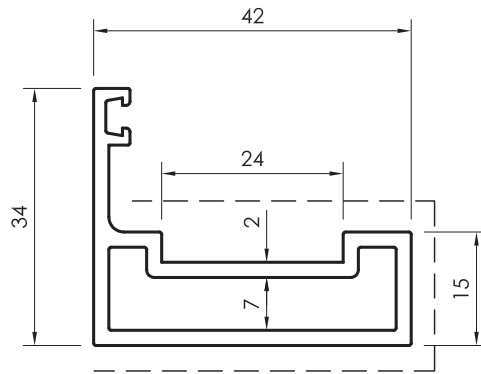
11956
(0.541 kg/m)
GLASS SPACER
(SINGLE GLASS)

All dimensions in mm
Visible area_-----

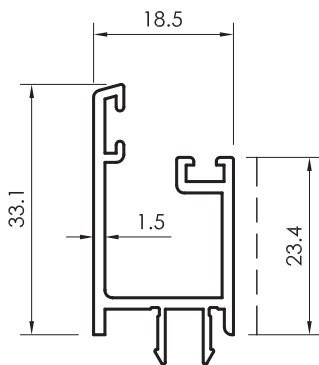
Frame & Sash Profiles



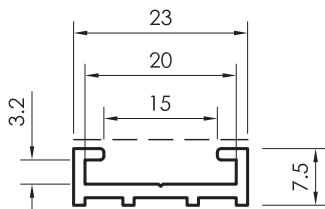
22405
(0.560 kg/m)
CURTAIN WALL
FRAME PROFILE



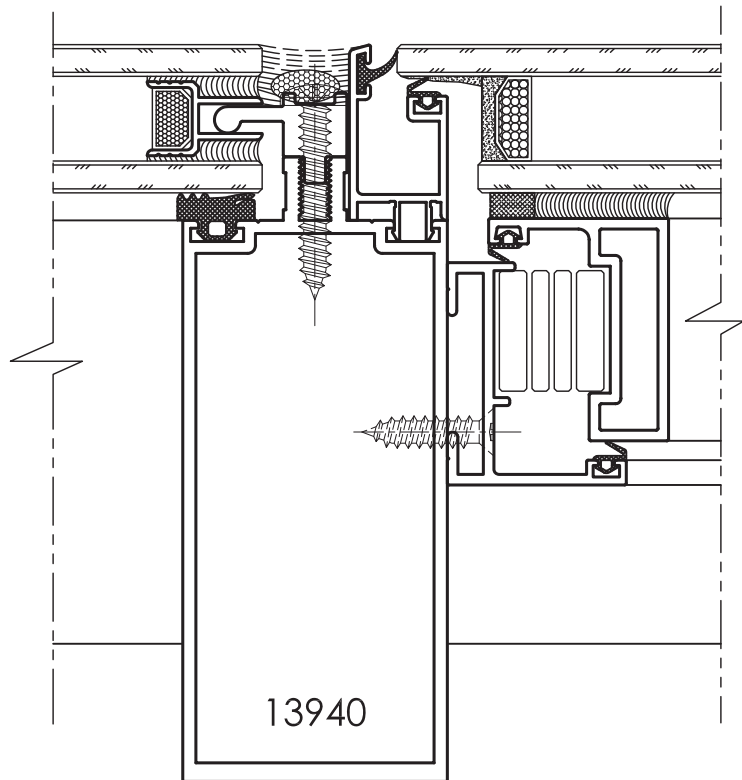
15907
(0.740 kg/m)
CURTAIN WALL
SASH PROFILE



24372
(0.386 kg/m)
GLAZING CLIP

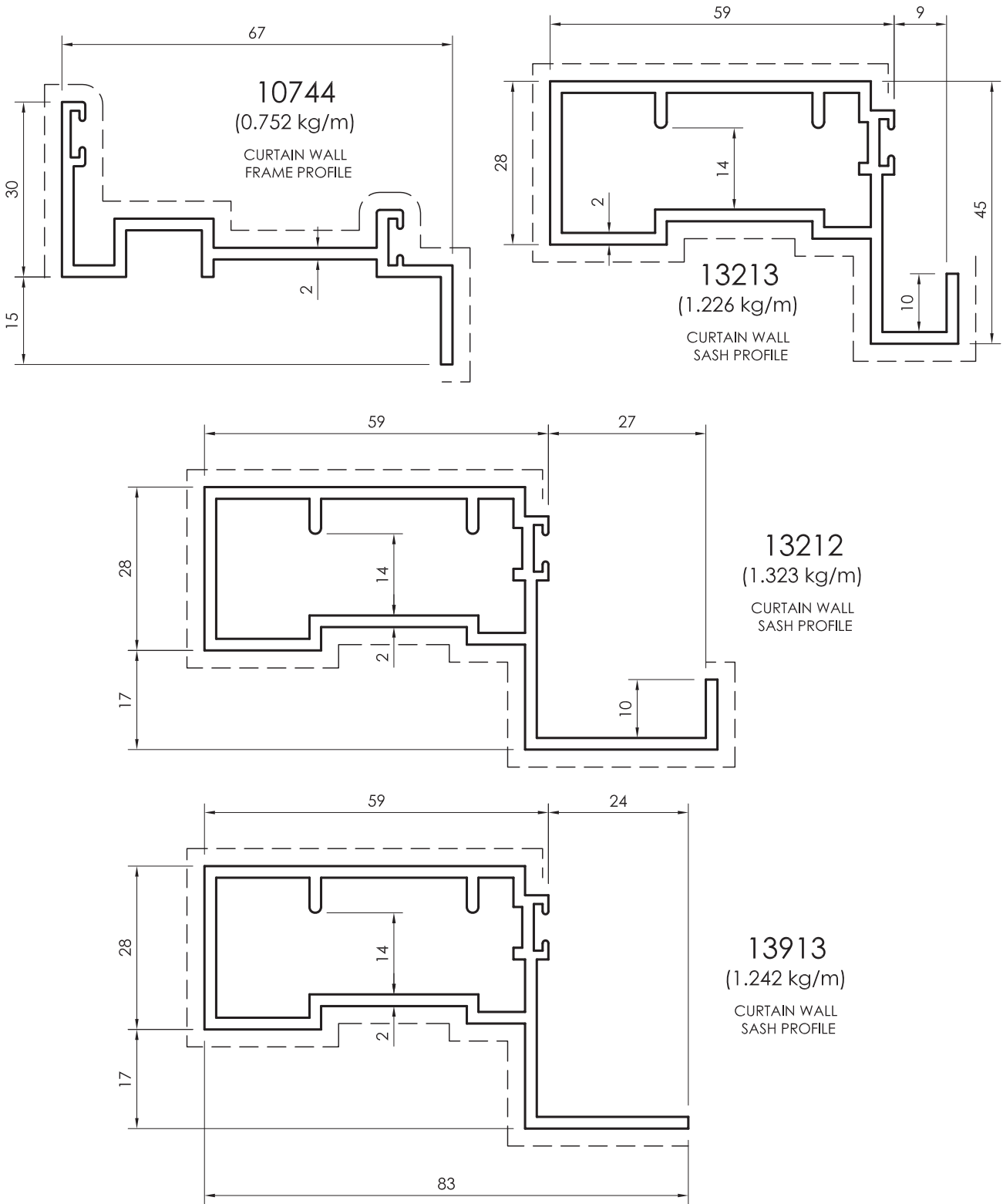


11053
(0.185 kg/m)



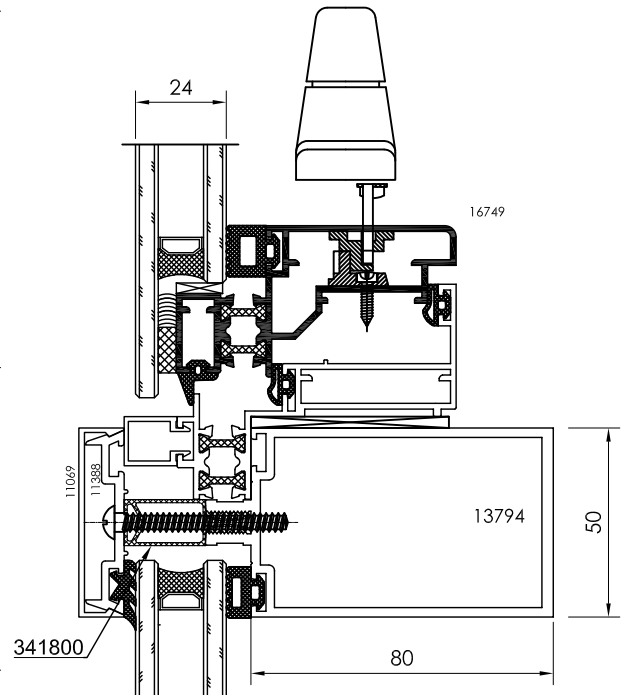
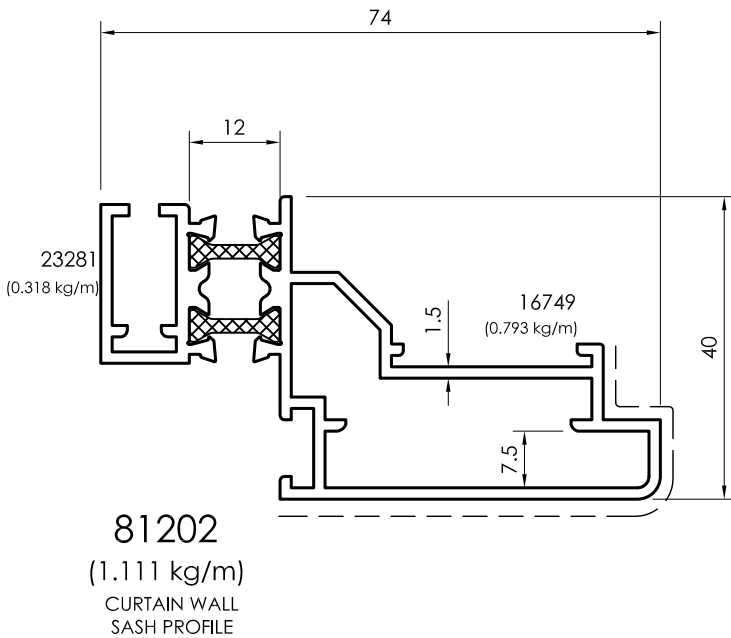
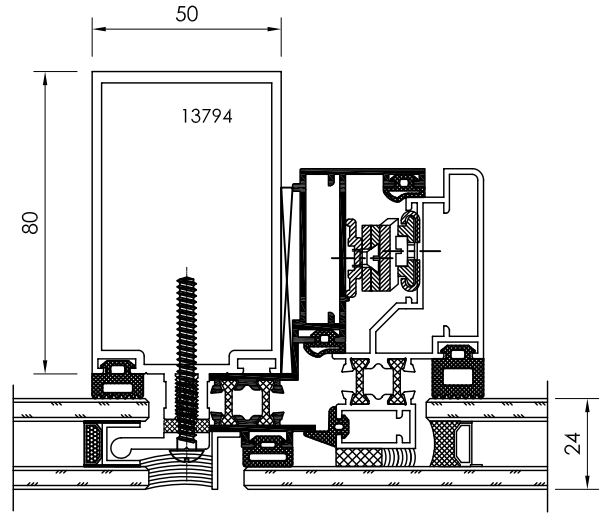
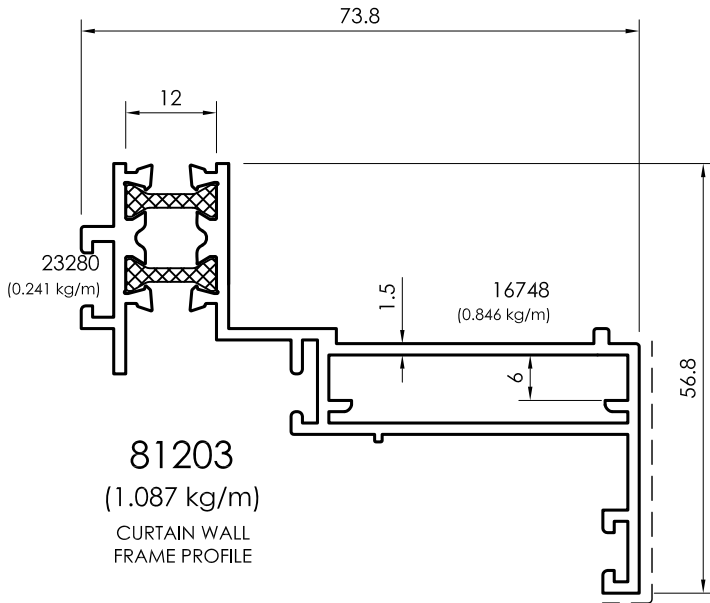
All dimensions in mm
----- Visible area

Frame & Sash Profiles



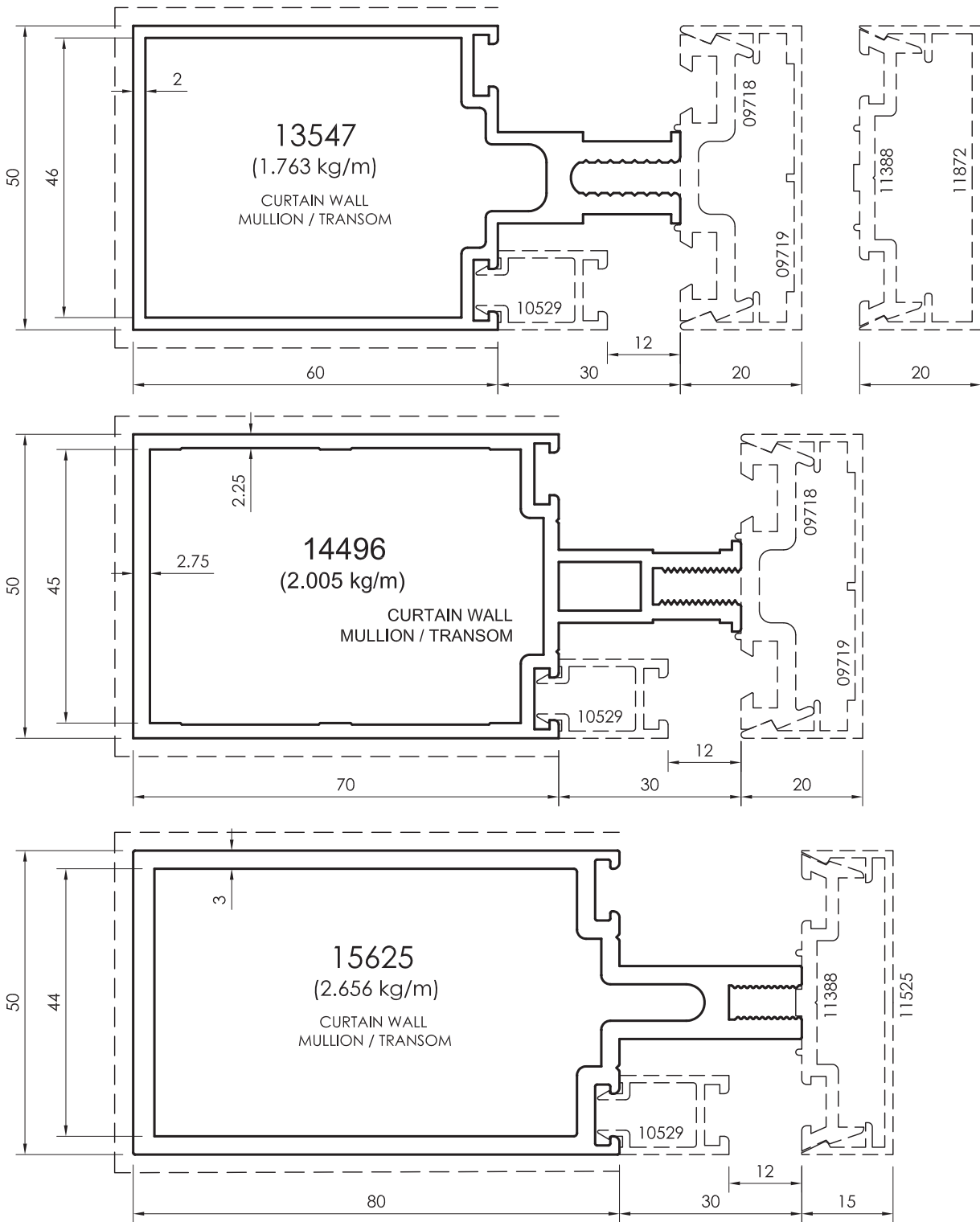
All dimensions in mm
Visible area_-----

Frame & Sash Profiles



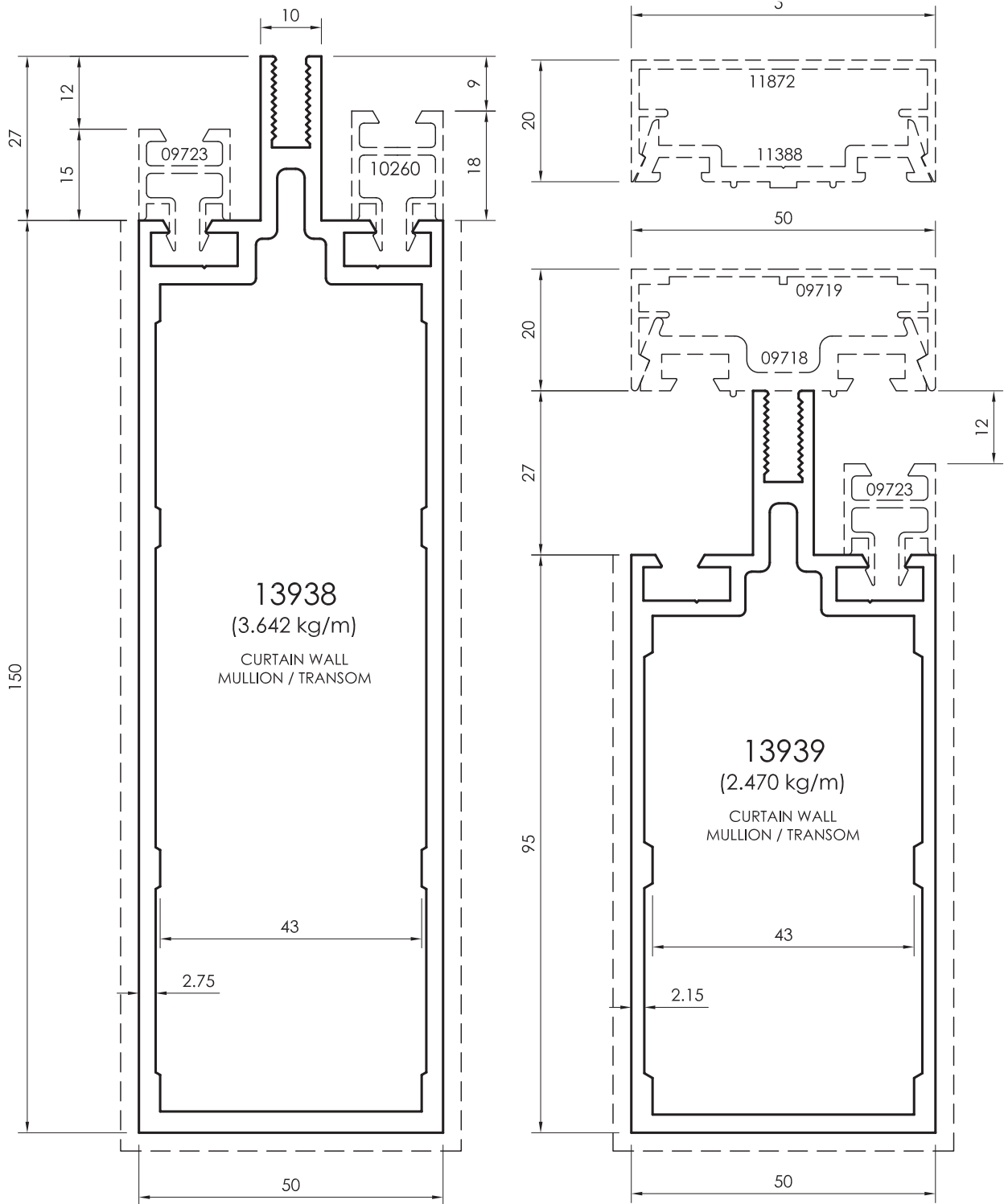
All dimensions in mm
----- Visible area

Mullion / Transom Profiles



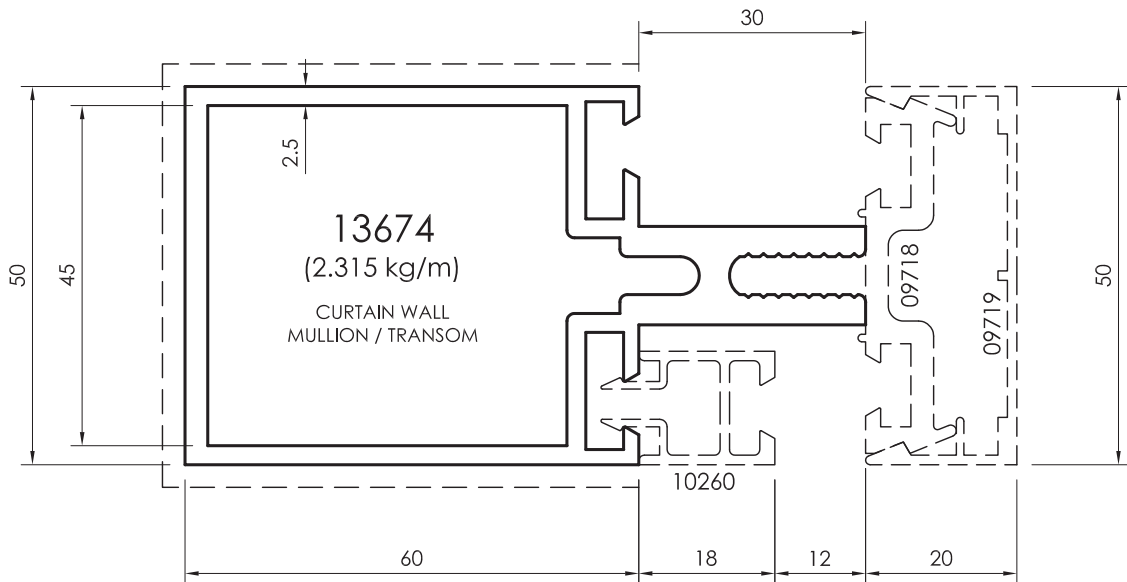
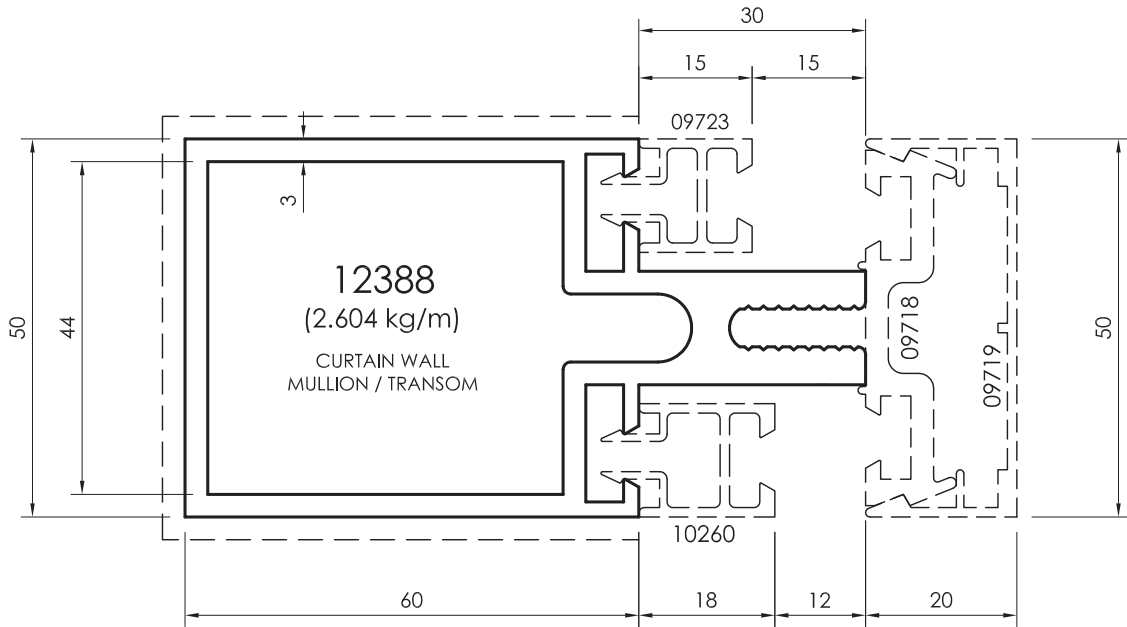
All dimensions in mm
Visible area_____

Mullion / Transom Profiles



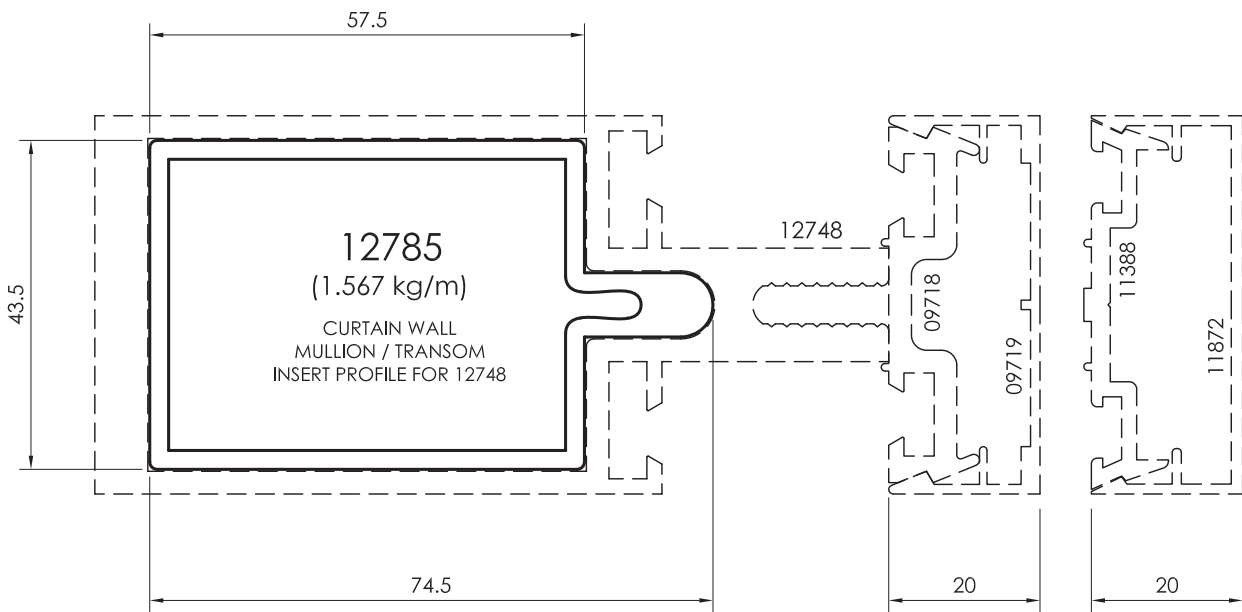
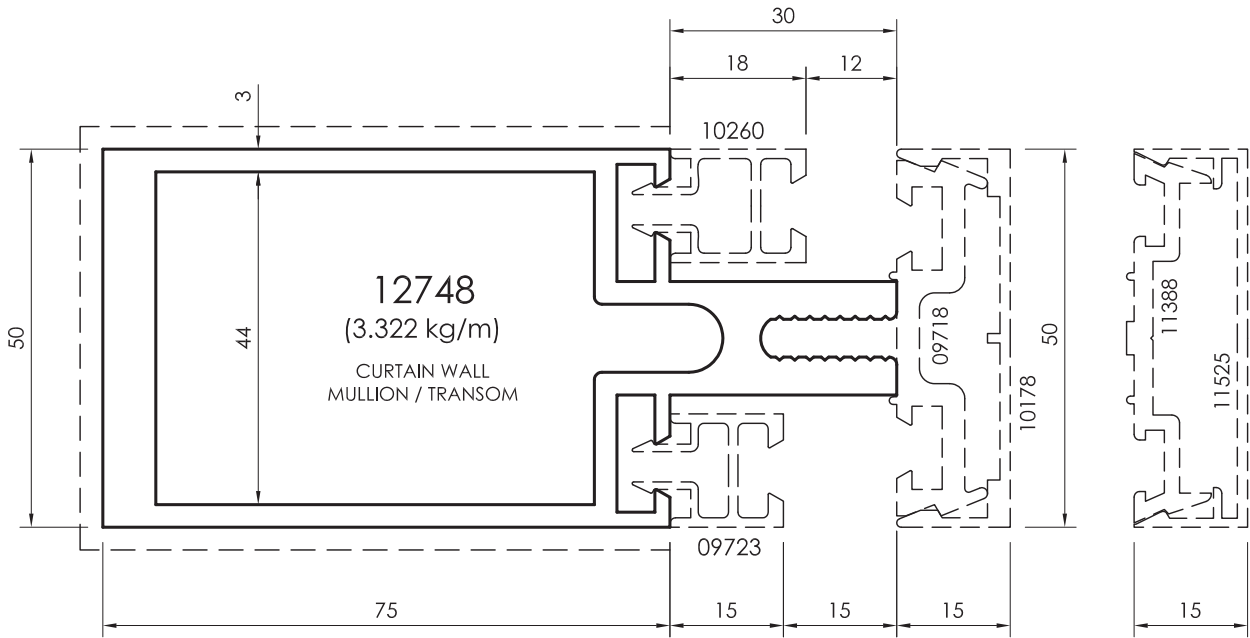
All dimensions in mm
----- Visible area

Mullion / Transom Profiles



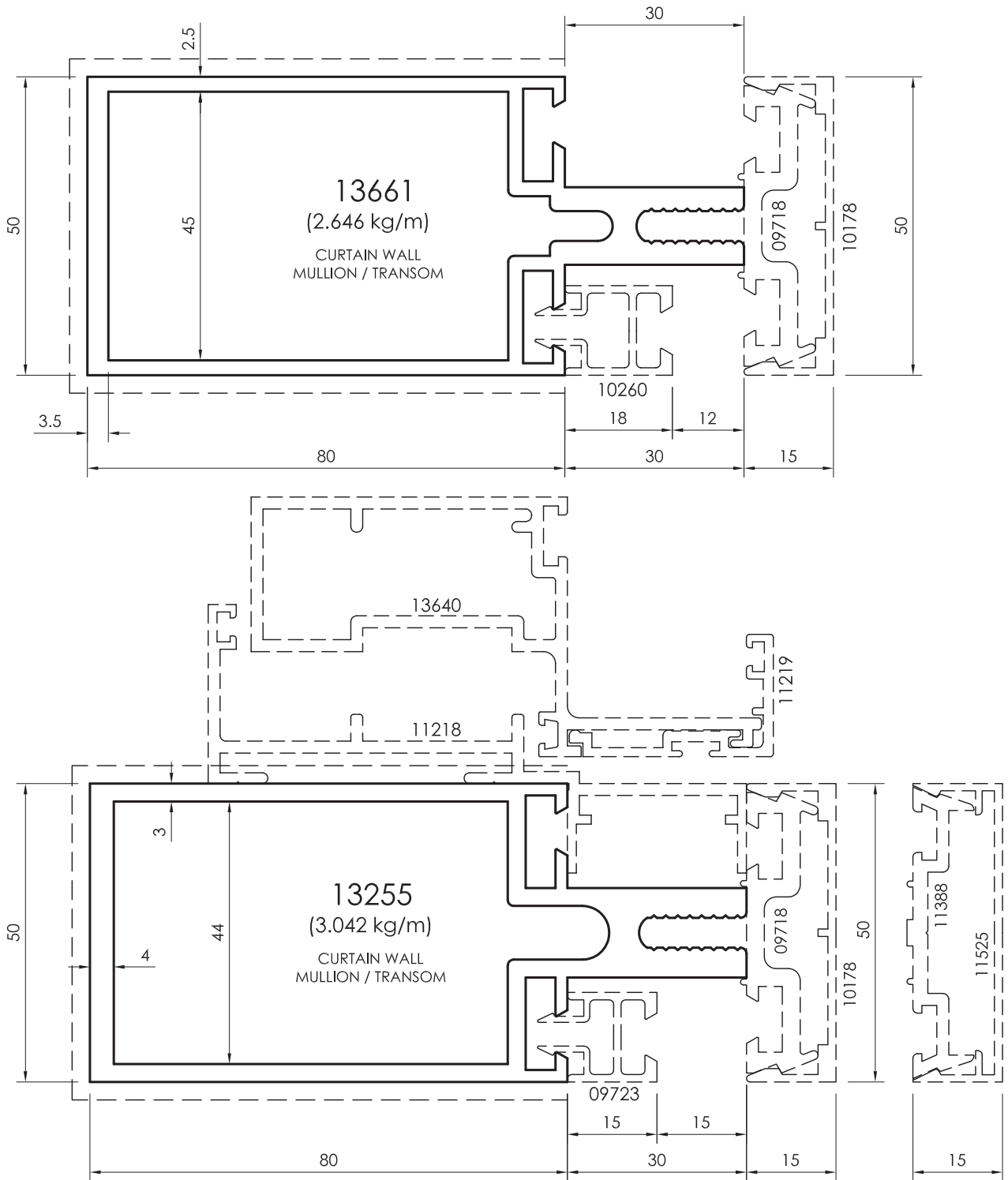
All dimensions in mm
Visible area_-----

Mullion / Transom Profiles



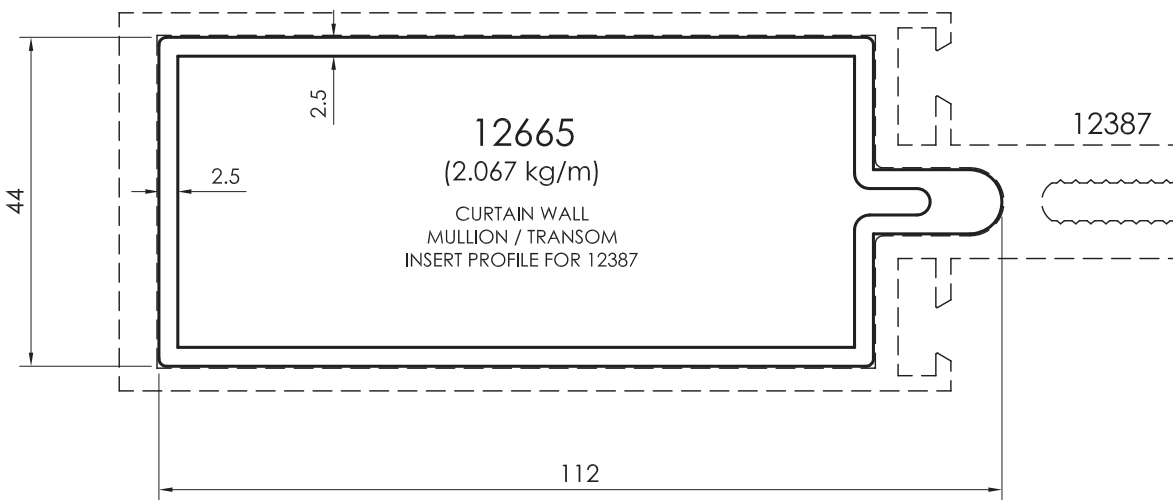
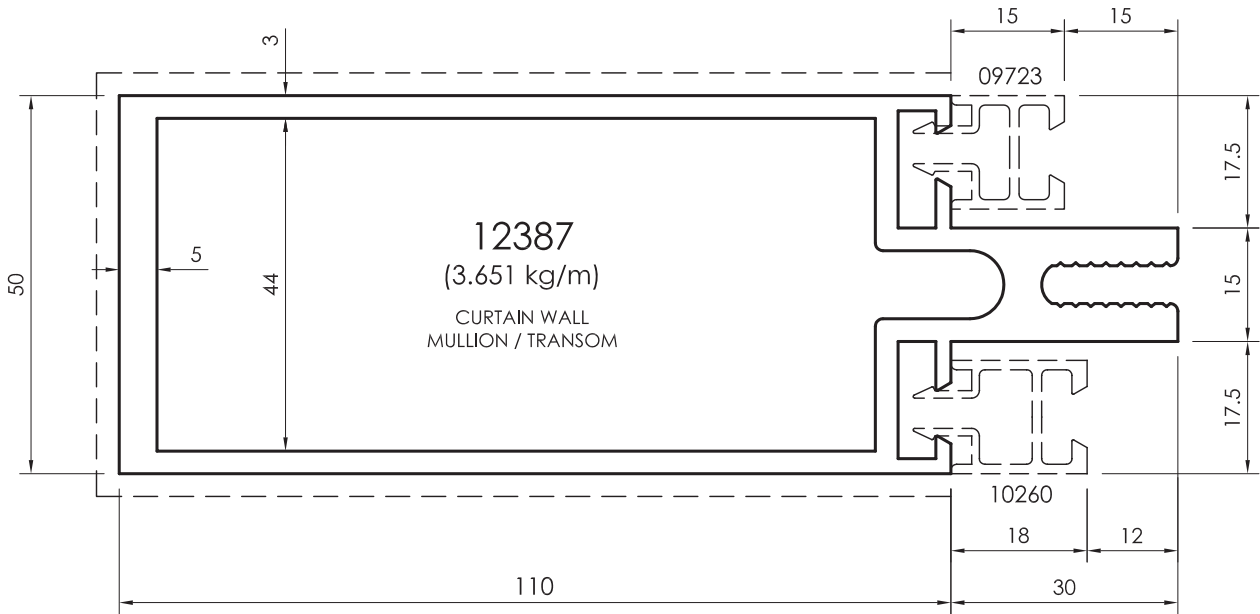
All dimensions in mm
 - - - - - Visible area

Mullion / Transom Profiles



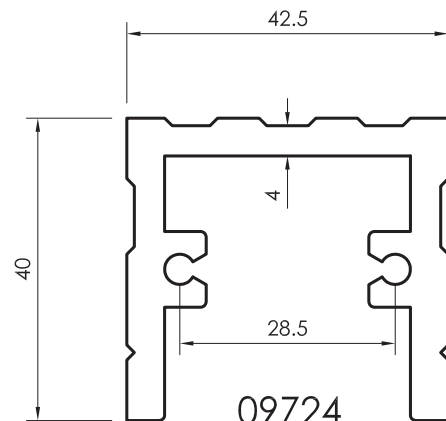
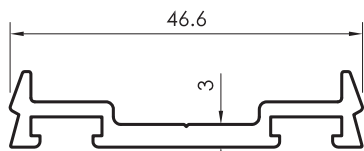
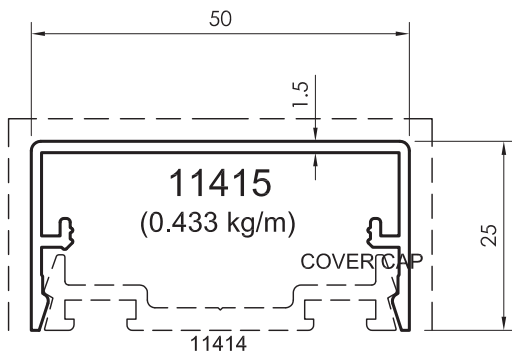
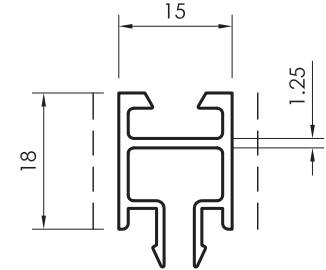
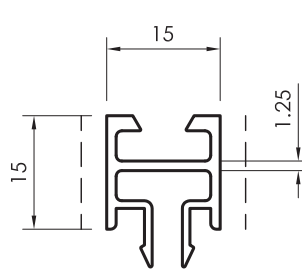
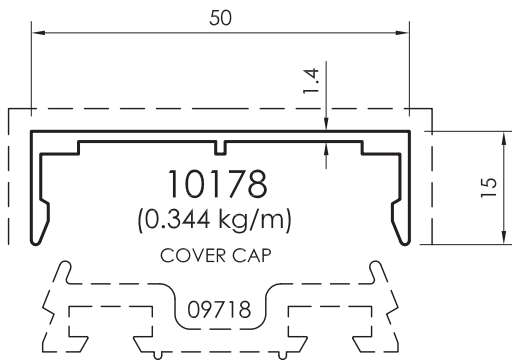
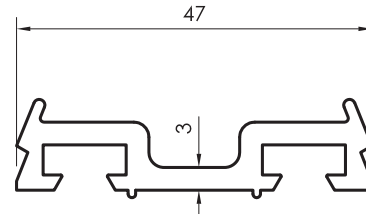
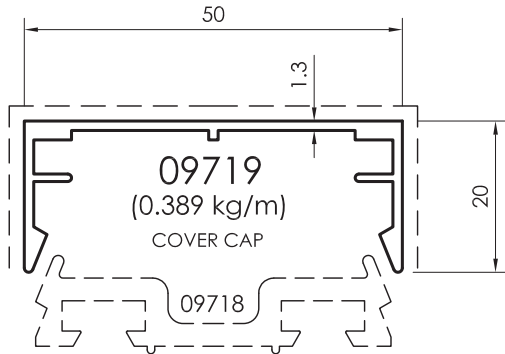
All dimensions in mm
Visible area_____

Mullion / Transom Profiles



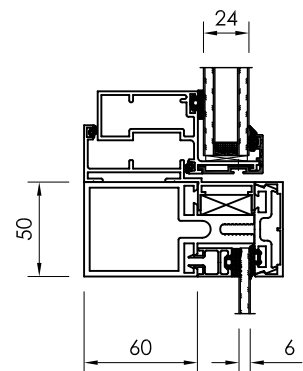
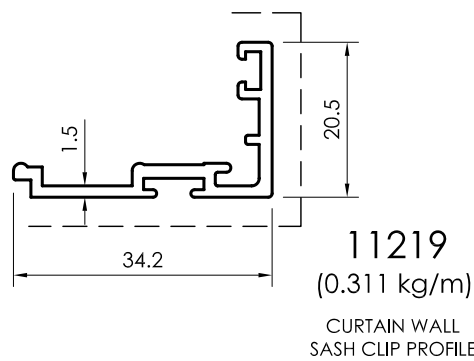
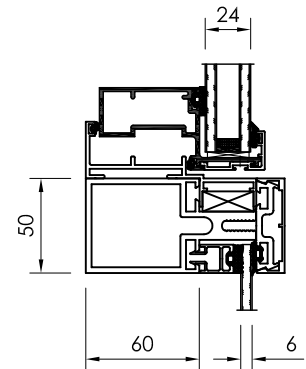
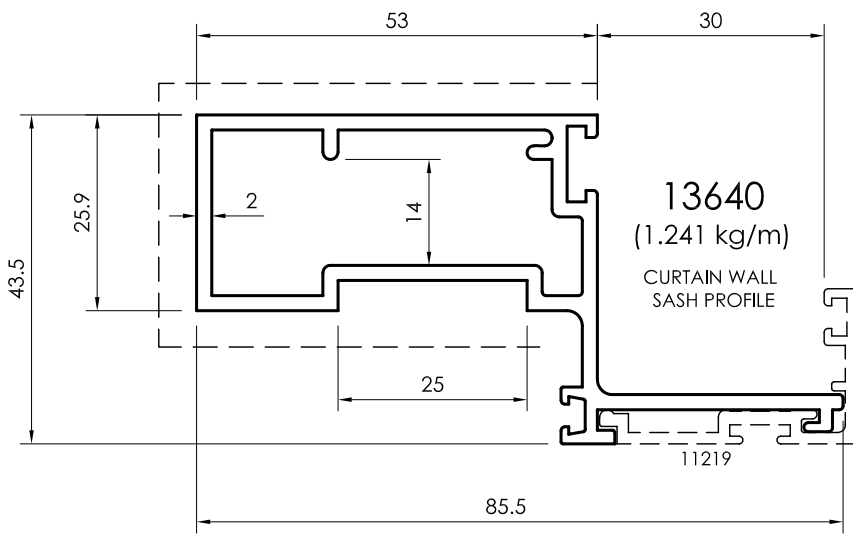
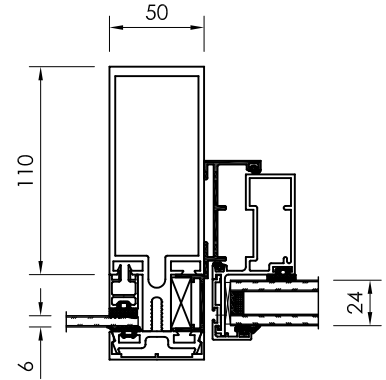
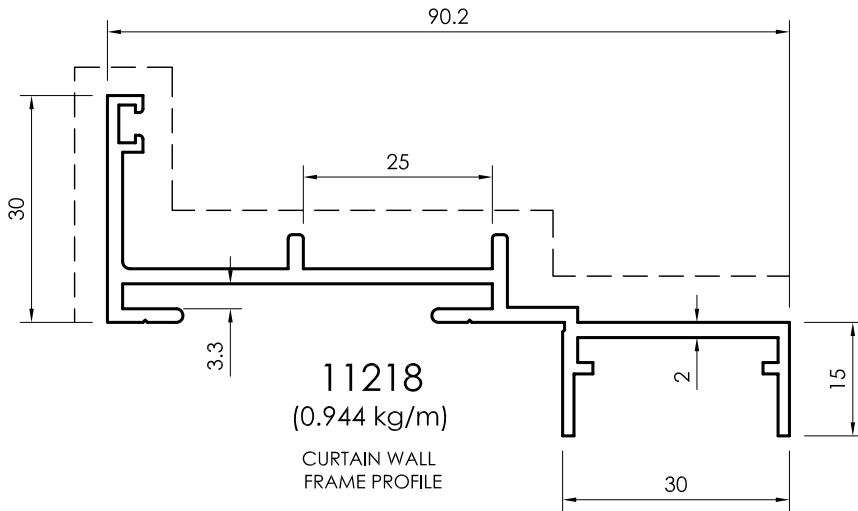
All dimensions in mm
----- Visible area

Complementary Profiles



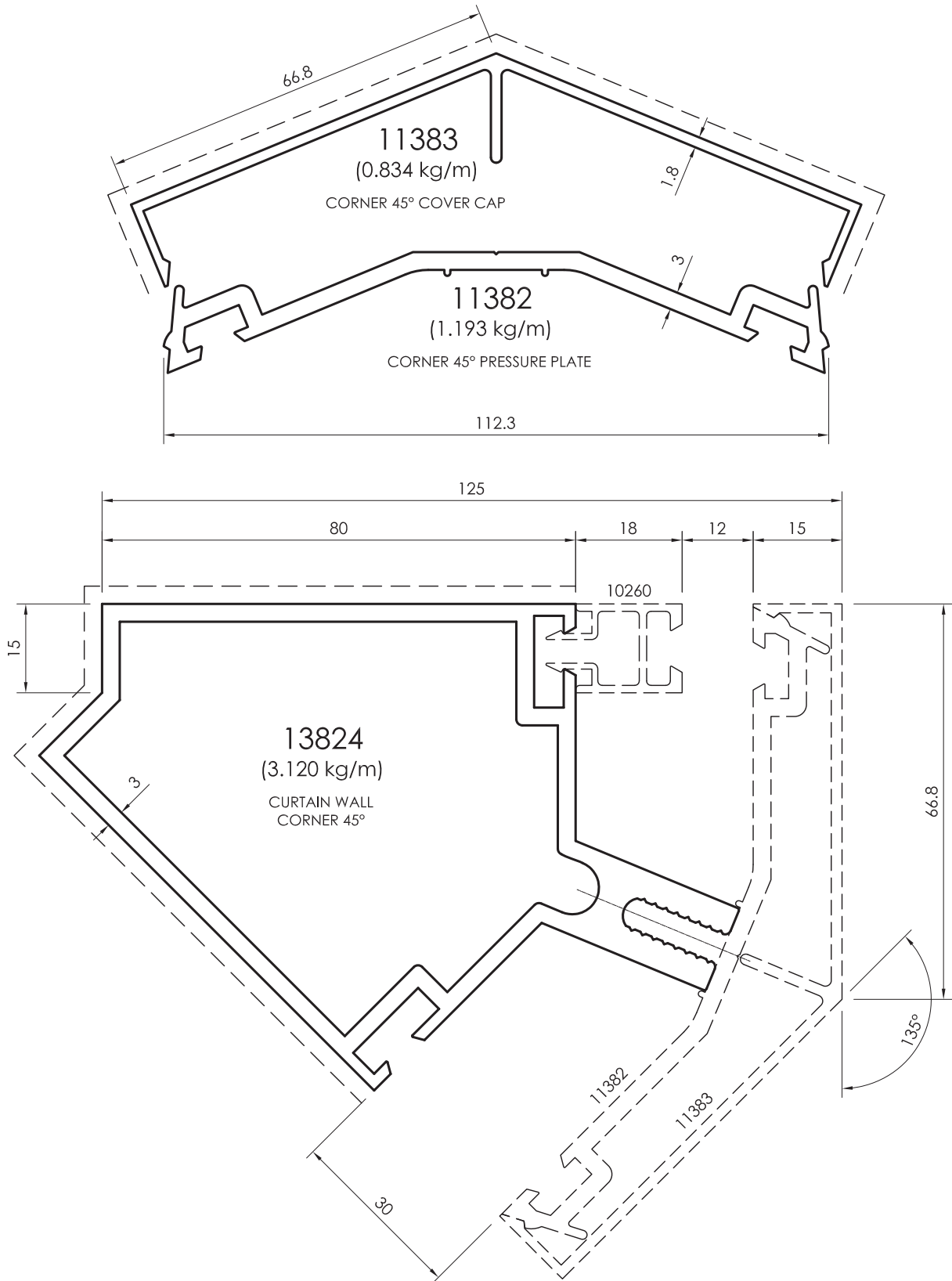
All dimensions in mm
Visible area_____

Frame & Sash Profiles



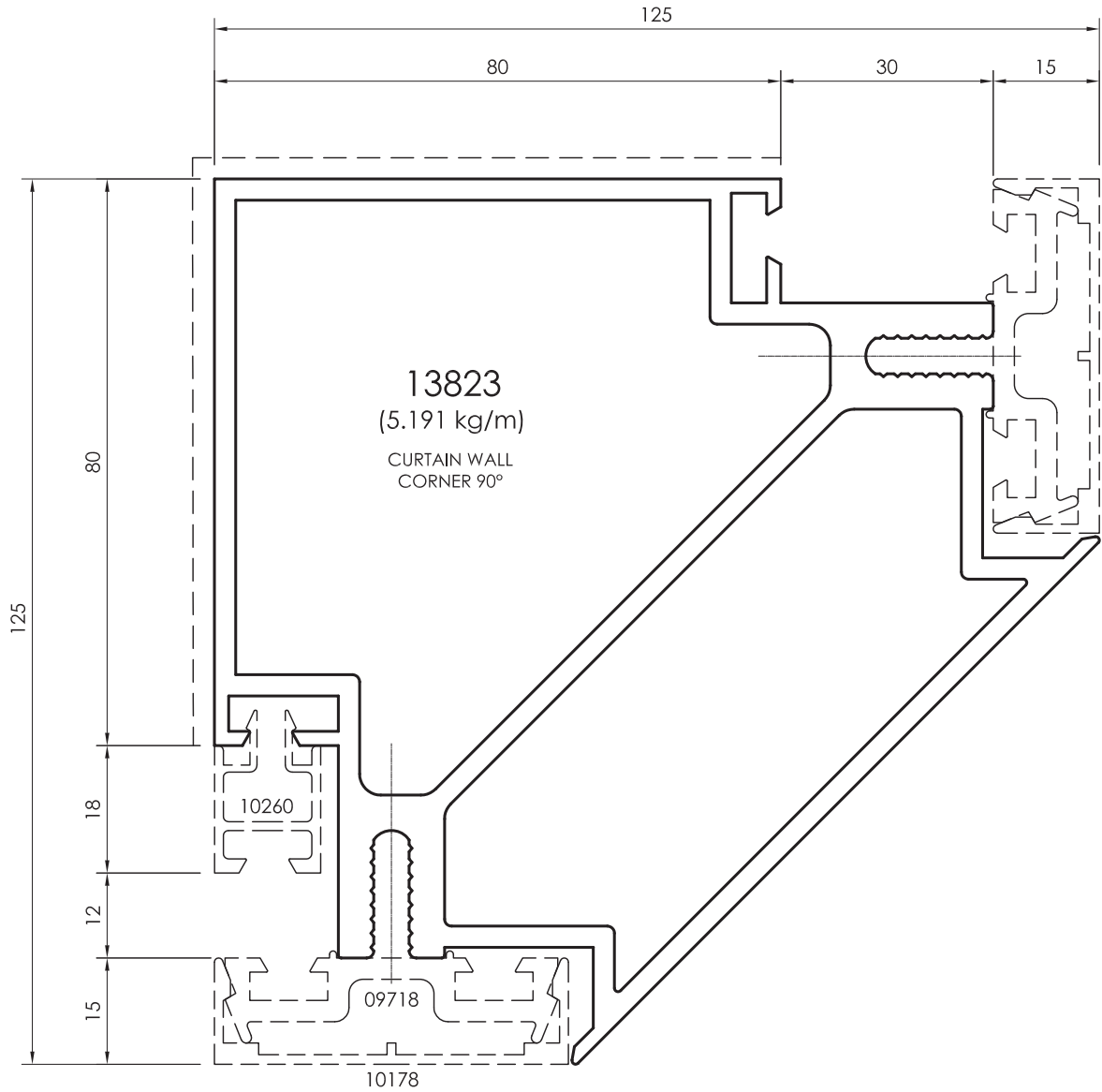
All dimensions in mm
----- Visible area

Corner Profiles



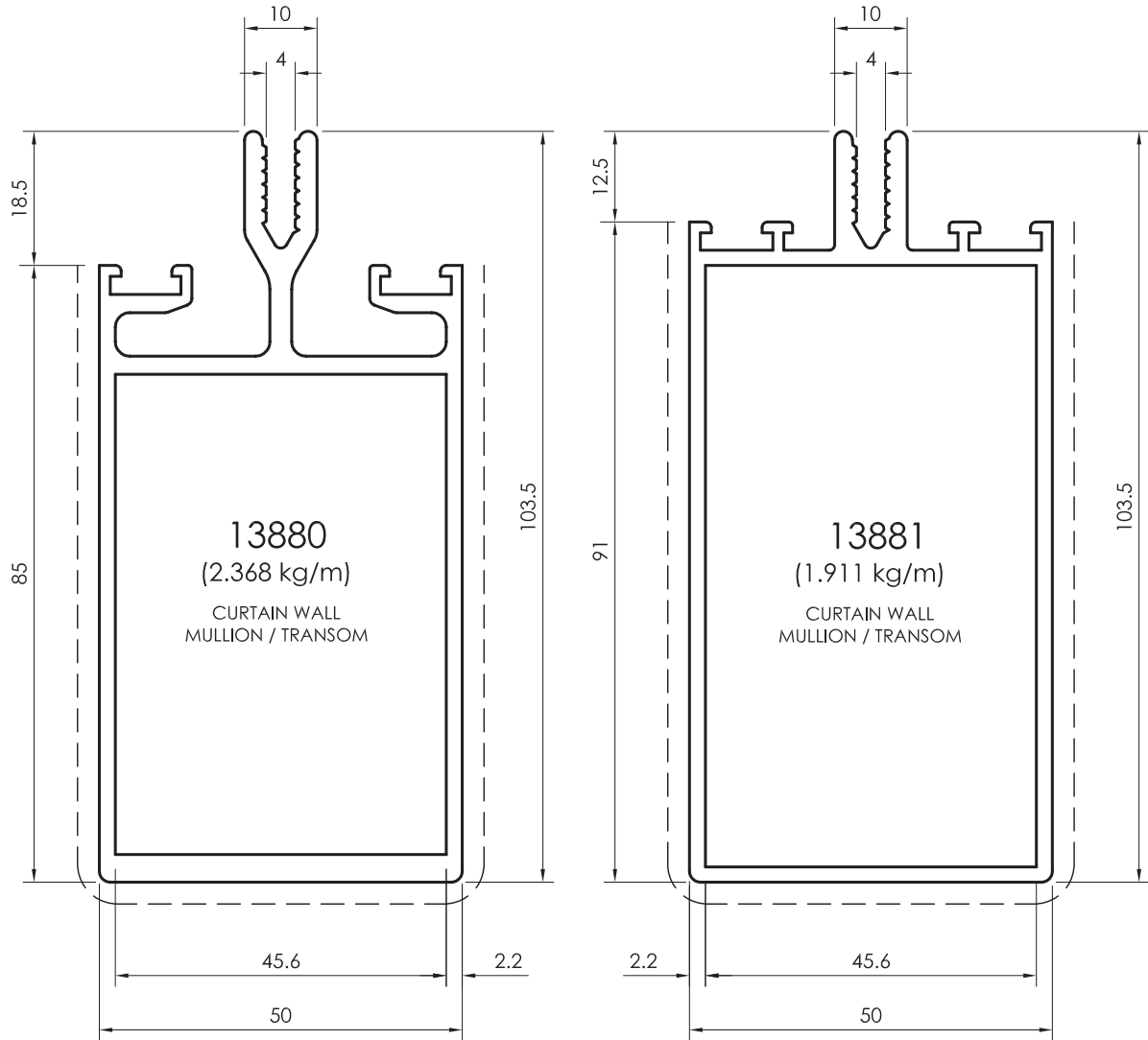
All dimensions in mm
Visible area_-----

Corner Profiles



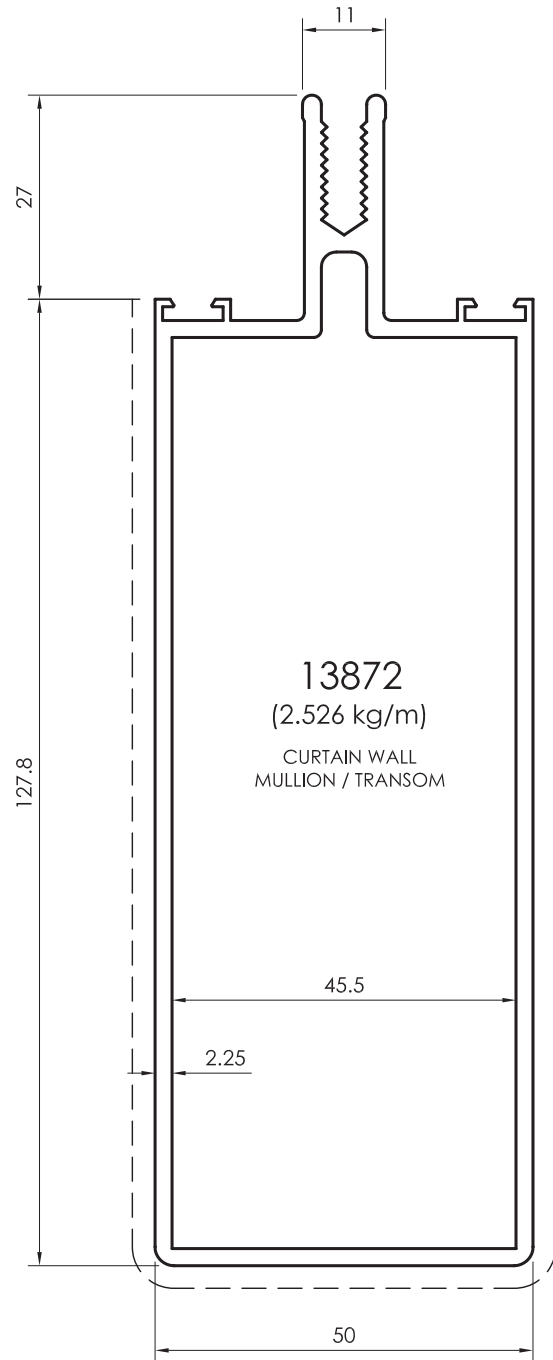
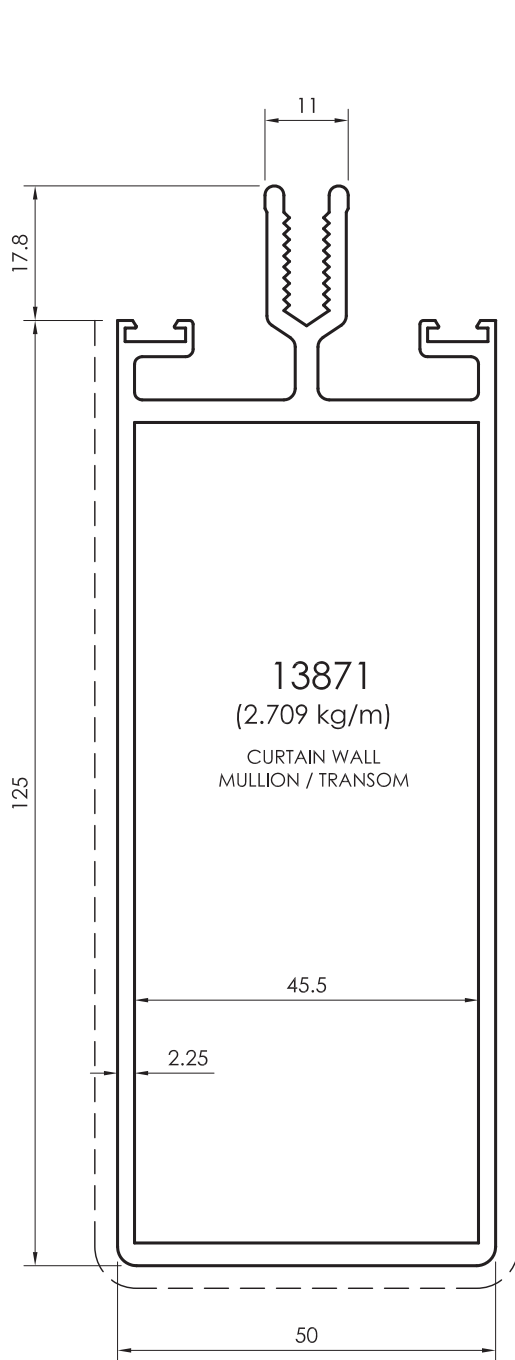
All dimensions in mm
 - - - - - Visible area

Mullion / Transom Profiles



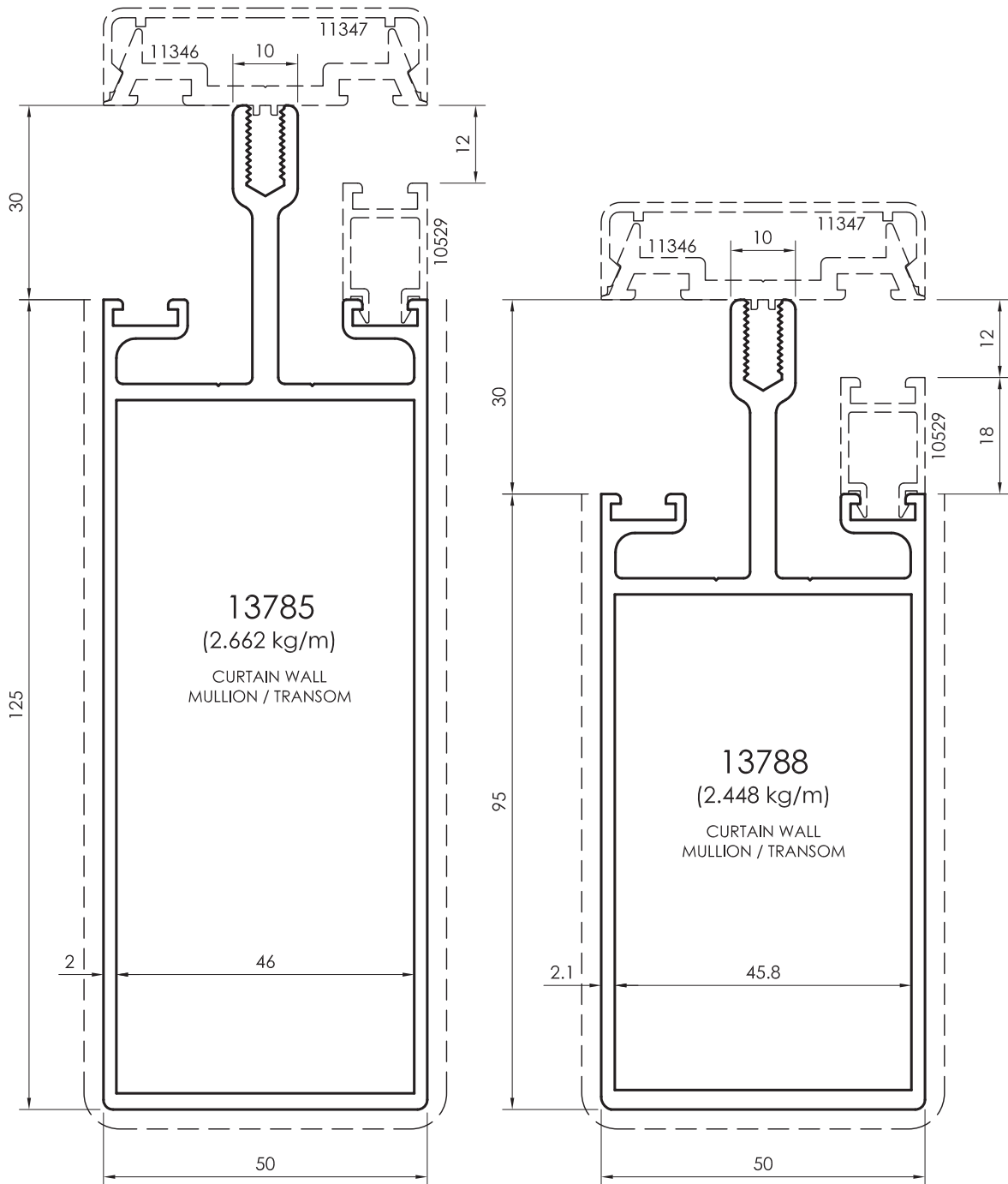
All dimensions in mm
Visible area_-----

Mullion / Transom Profiles



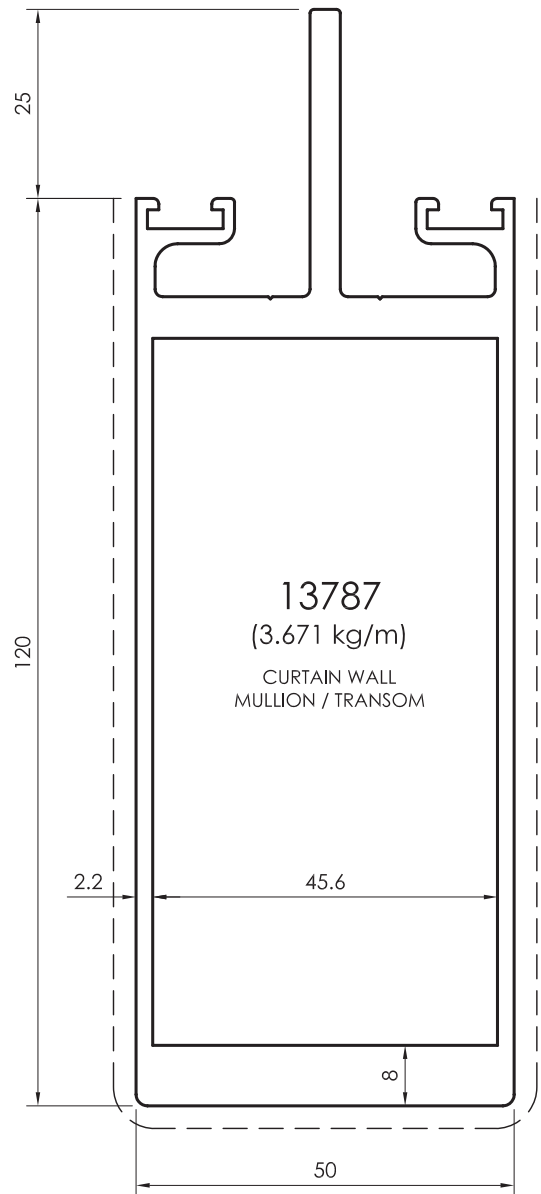
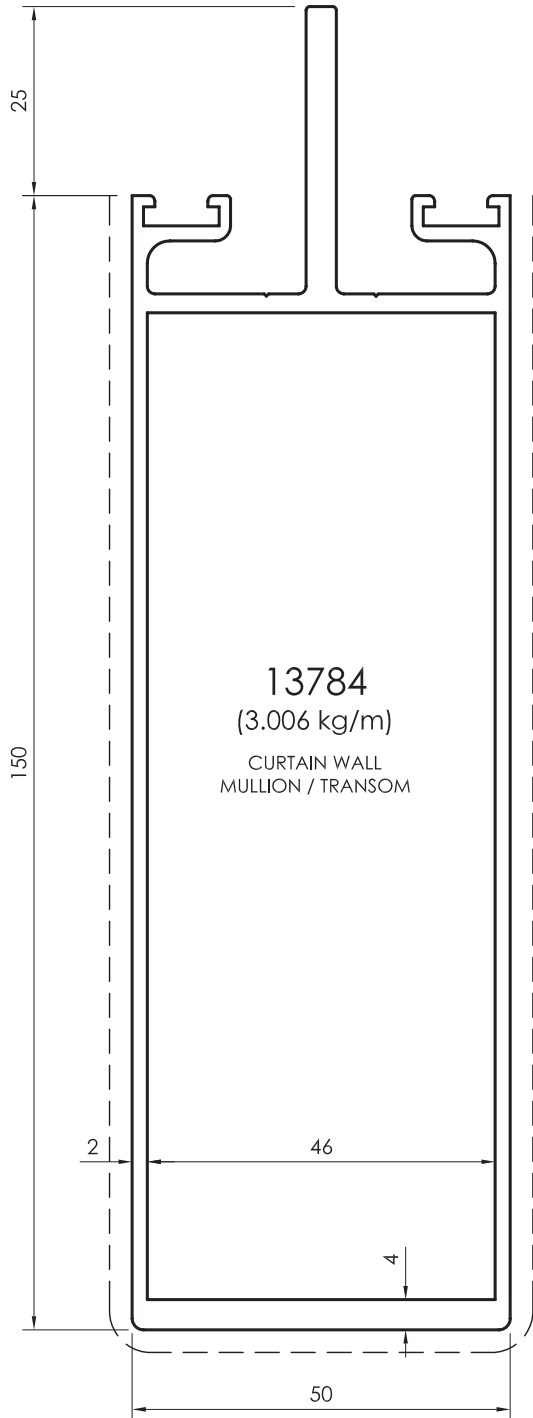
All dimensions in mm
----- Visible area

Mullion / Transom Profiles



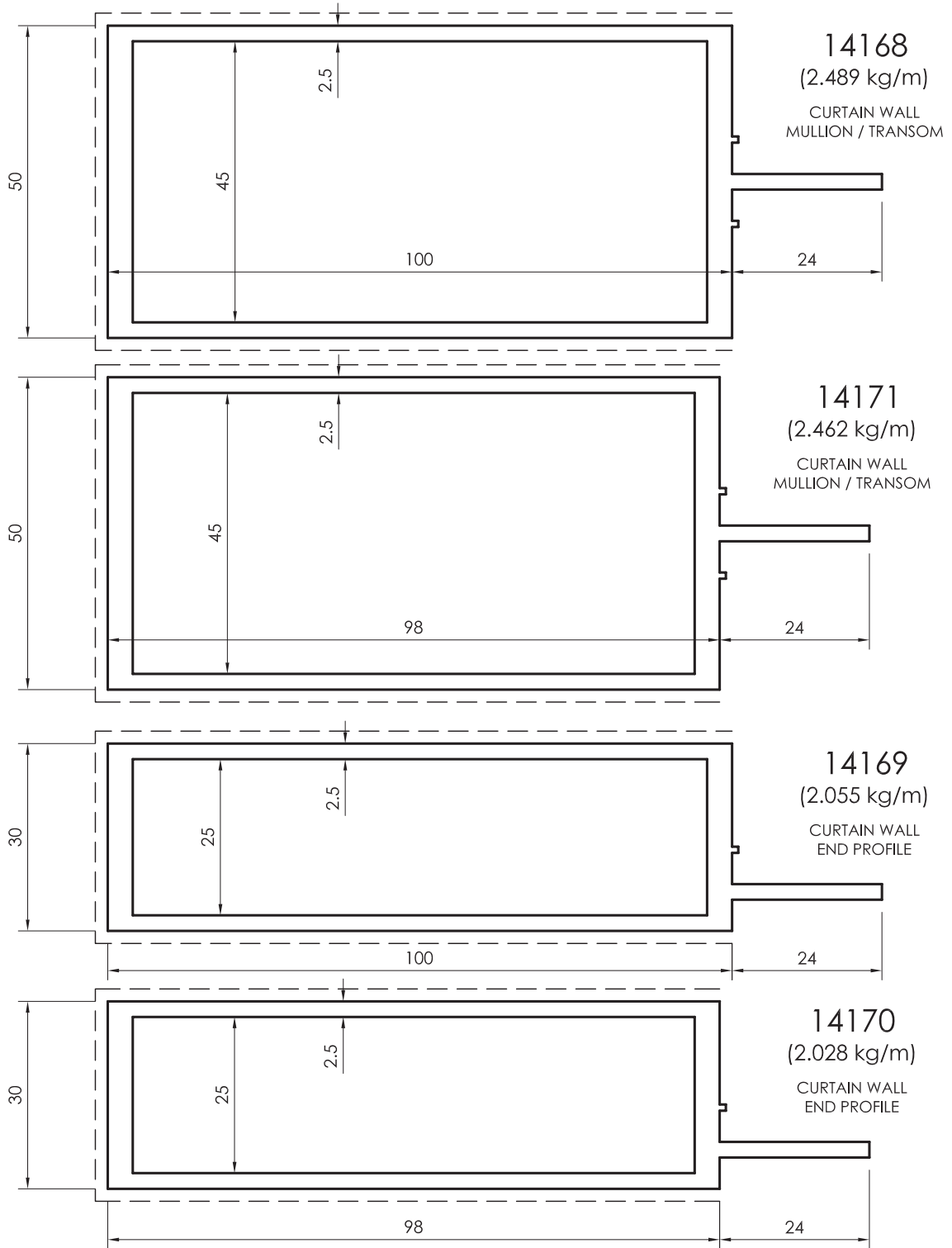
All dimensions in mm
Visible area_-----

Mullion / Transom Profiles



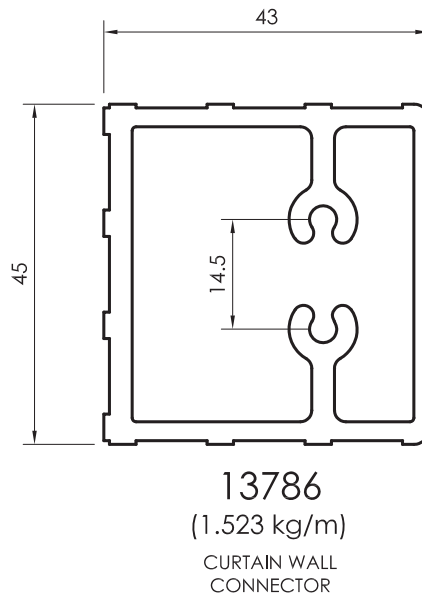
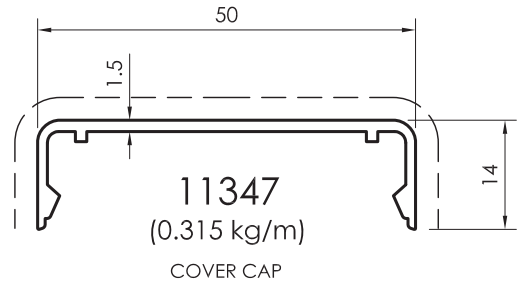
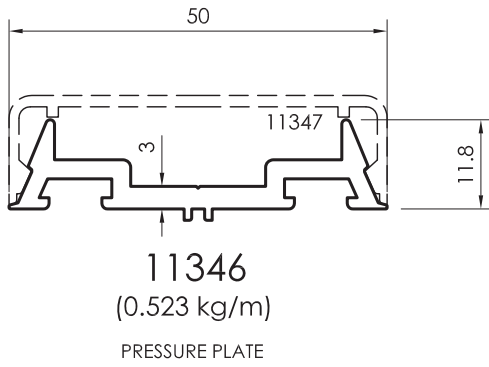
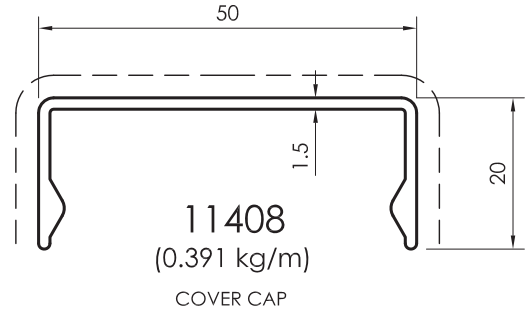
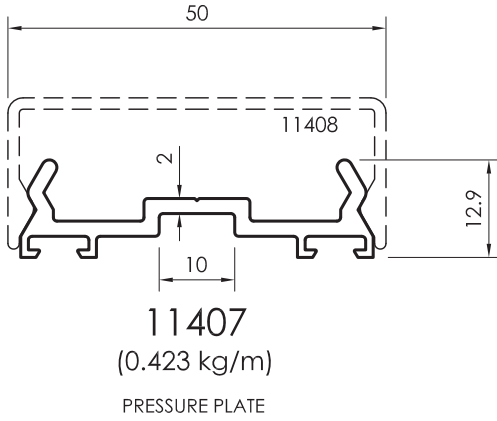
All dimensions in mm
----- Visible area

Mullion / Transom Profiles



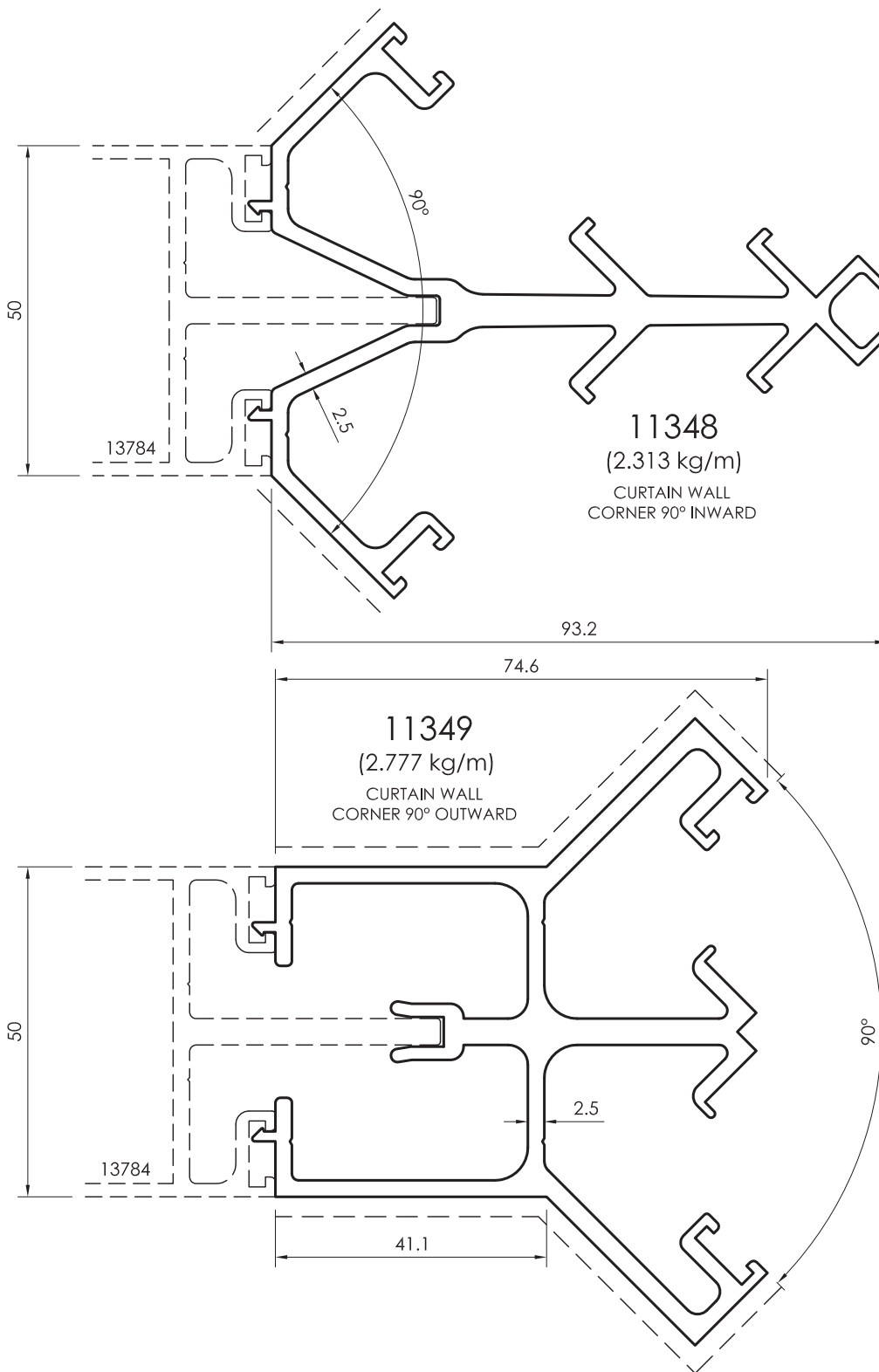
All dimensions in mm
Visible area_-----

Complementary Profiles



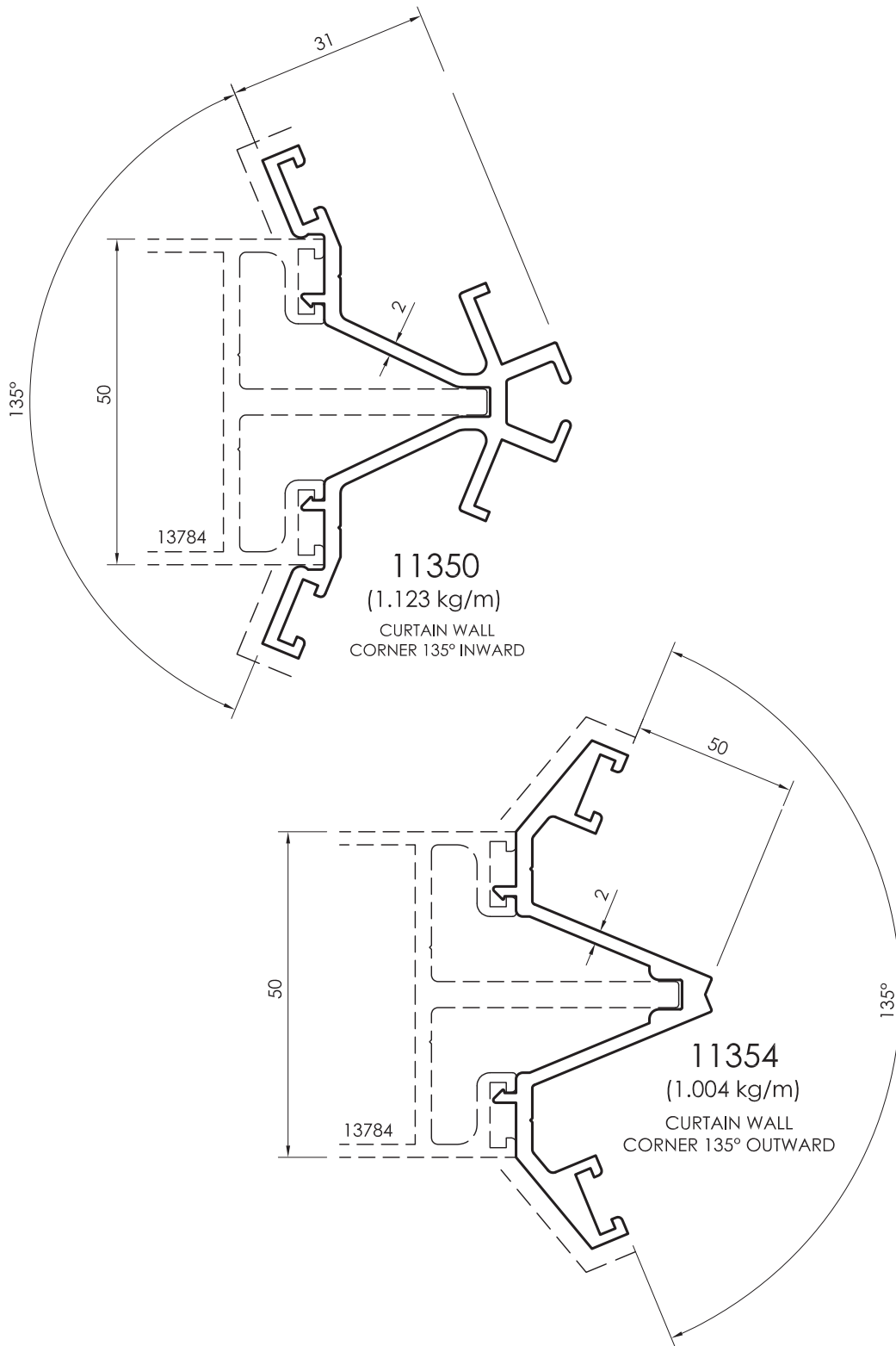
All dimensions in mm
----- Visible area

Complementary Profiles



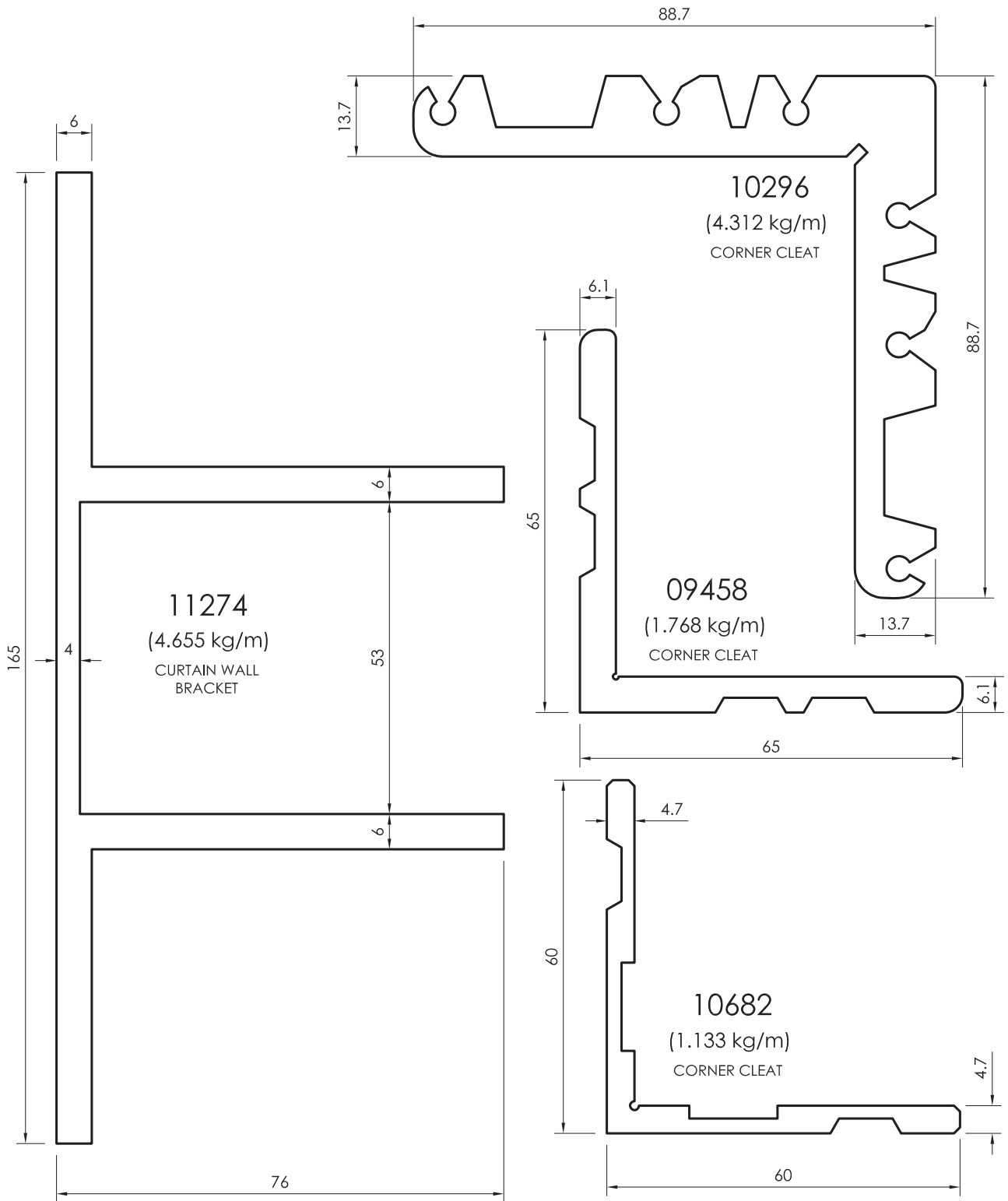
All dimensions in mm
Visible area_-----

Complementary Profiles



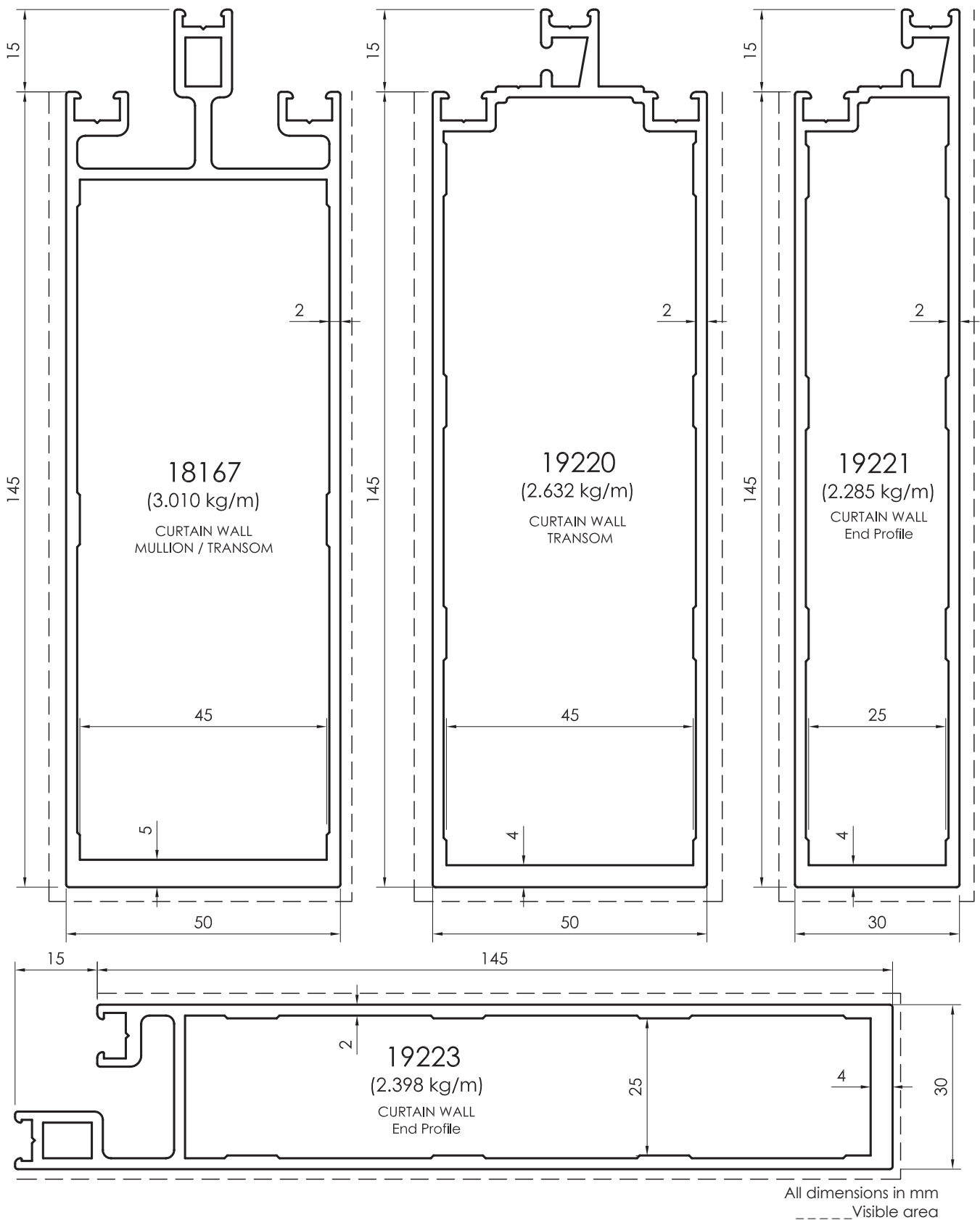
All dimensions in mm
----- Visible area

Complementary Profiles

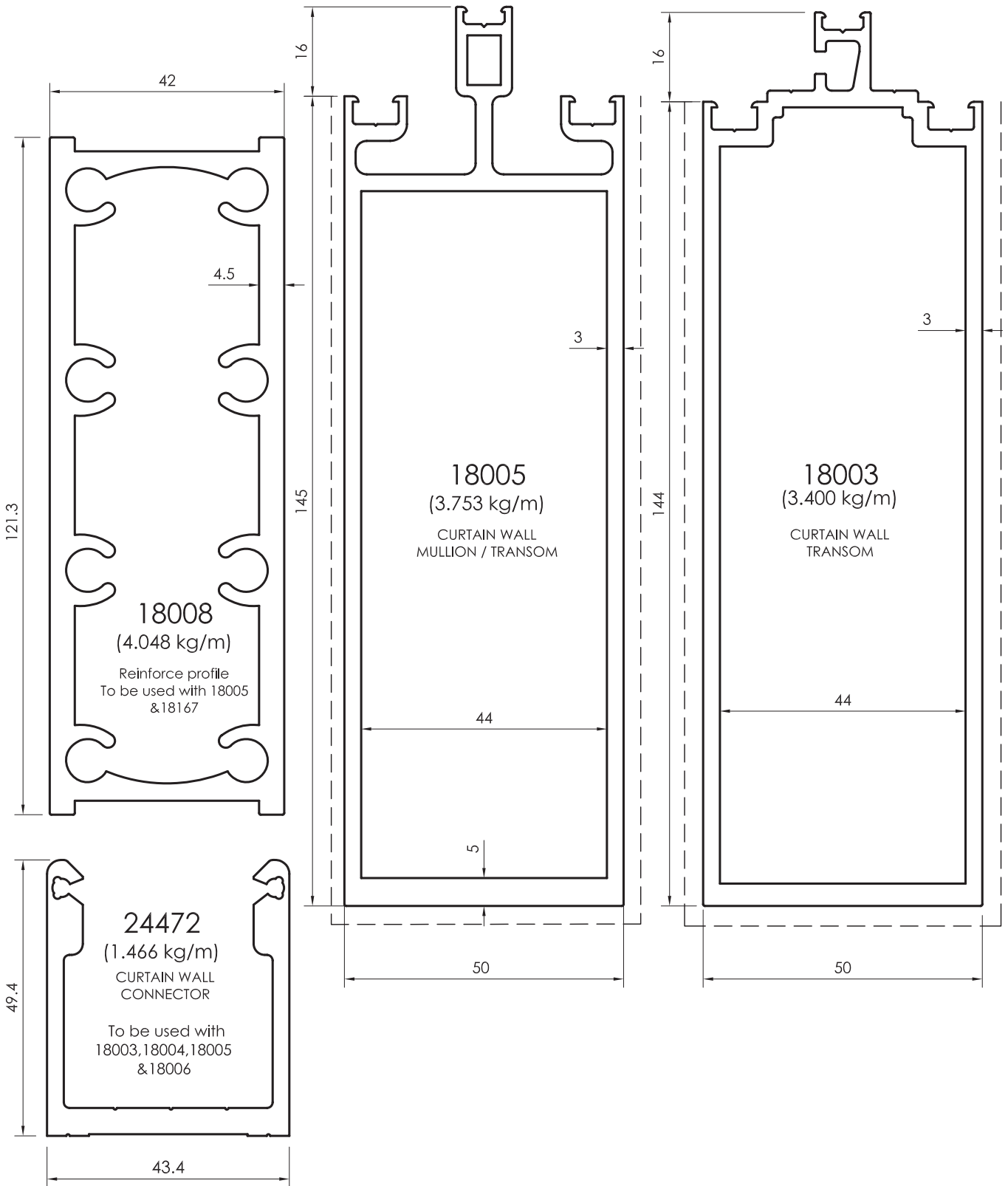


All dimensions in mm
Visible area_____

Curtain Wall - 50mm

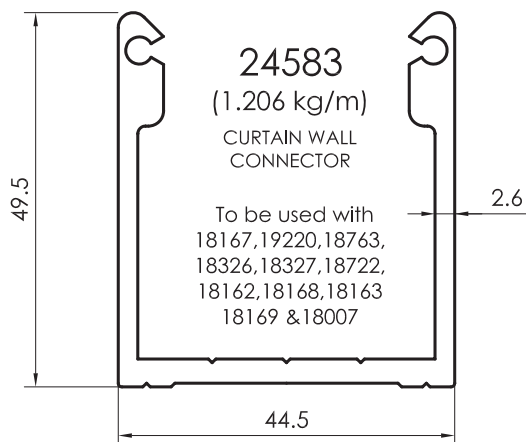
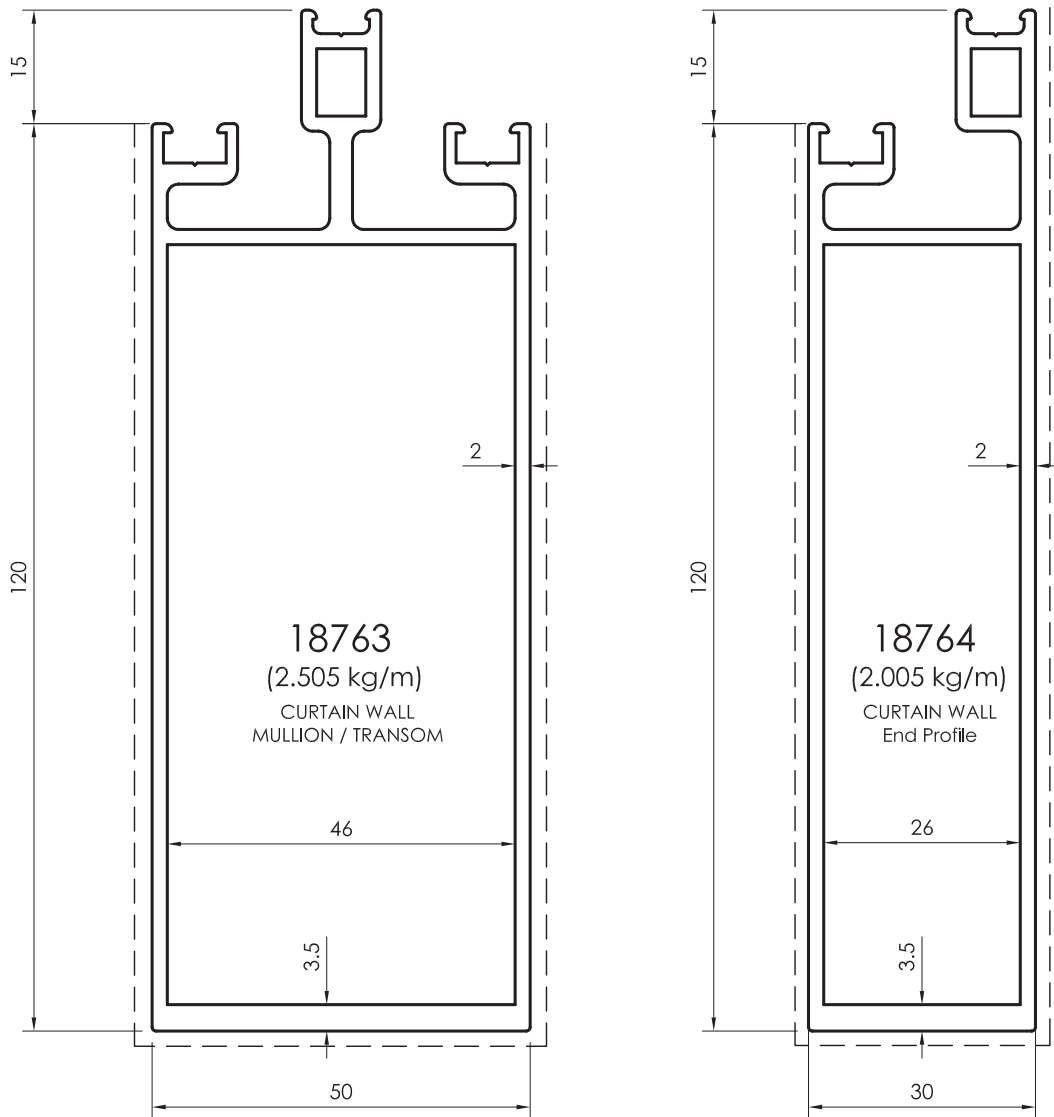


Curtain Wall - 50mm



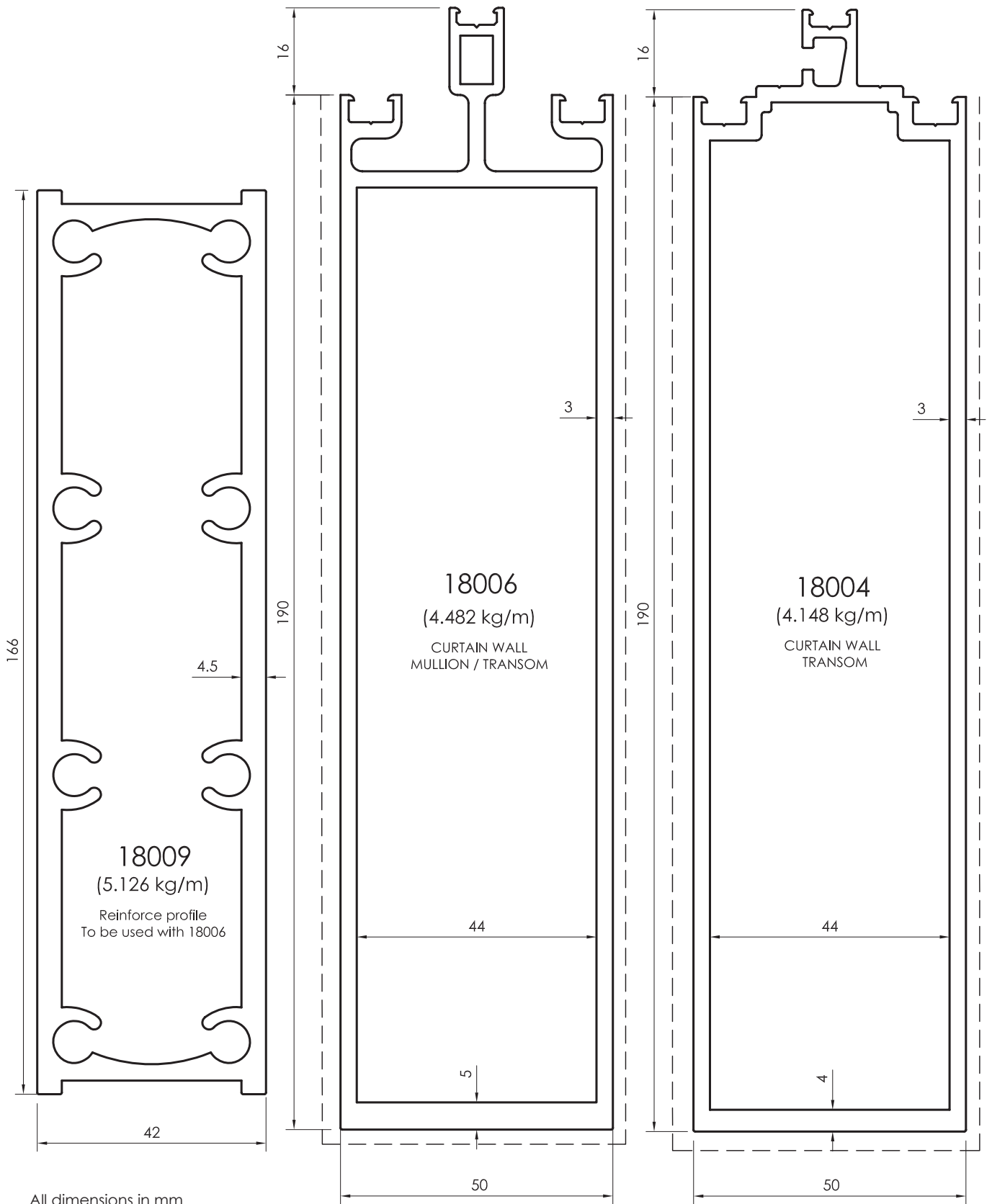
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Visible area_-----

Curtain Wall - 50mm



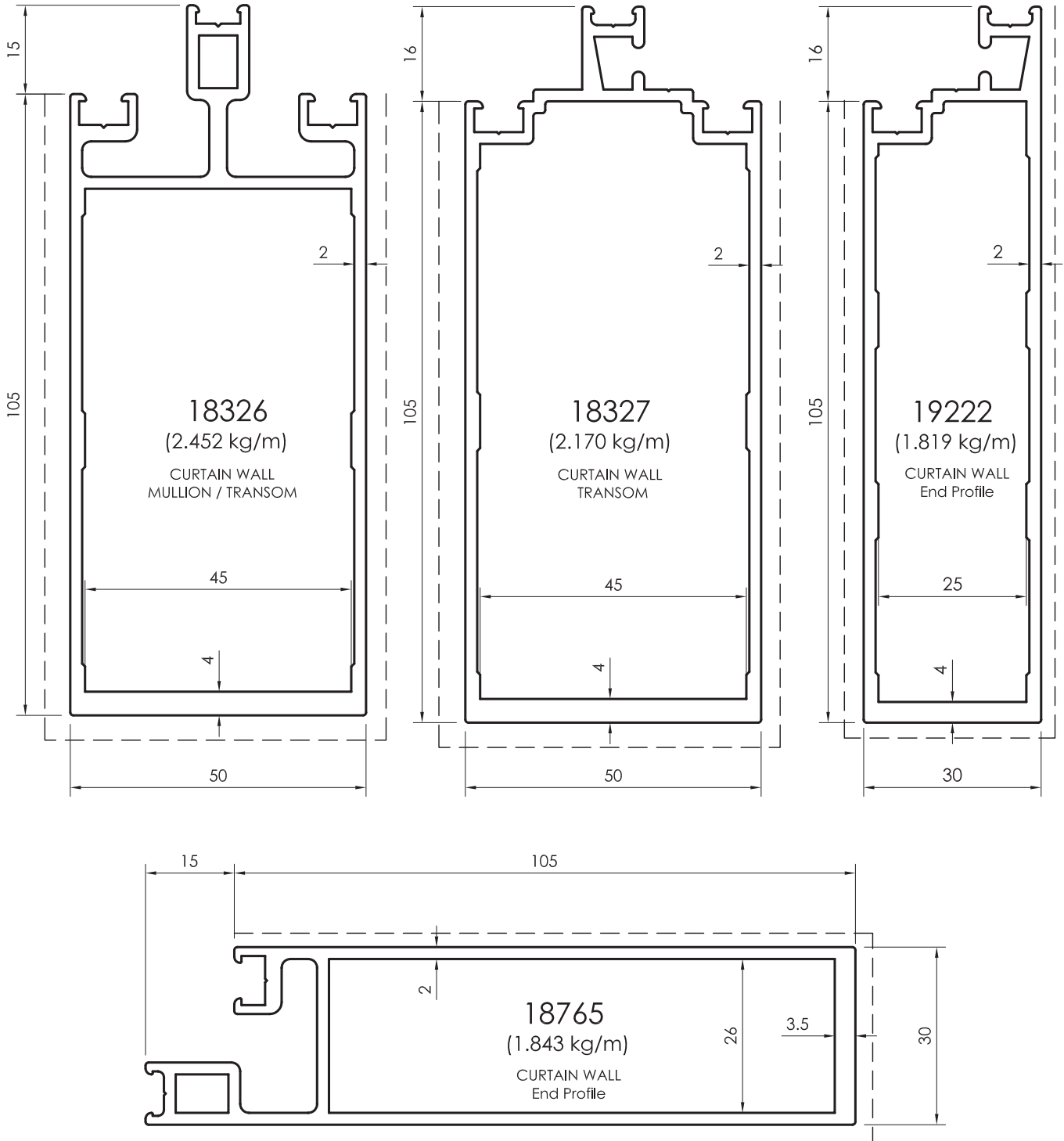
All dimensions in mm
----- Visible area

Curtain Wall - 50mm



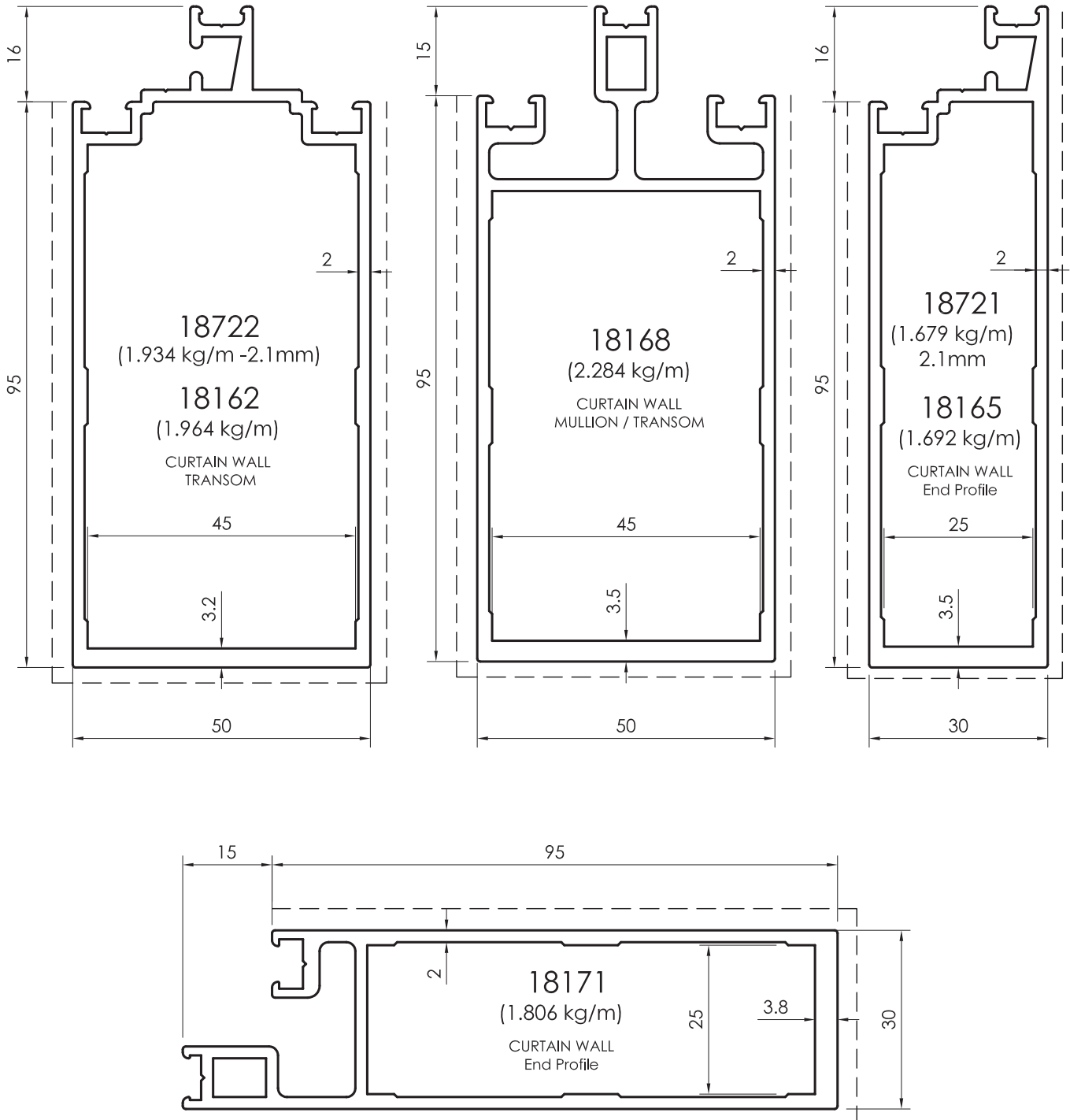
All dimensions in mm
Visible area_____

Curtain Wall - 50mm



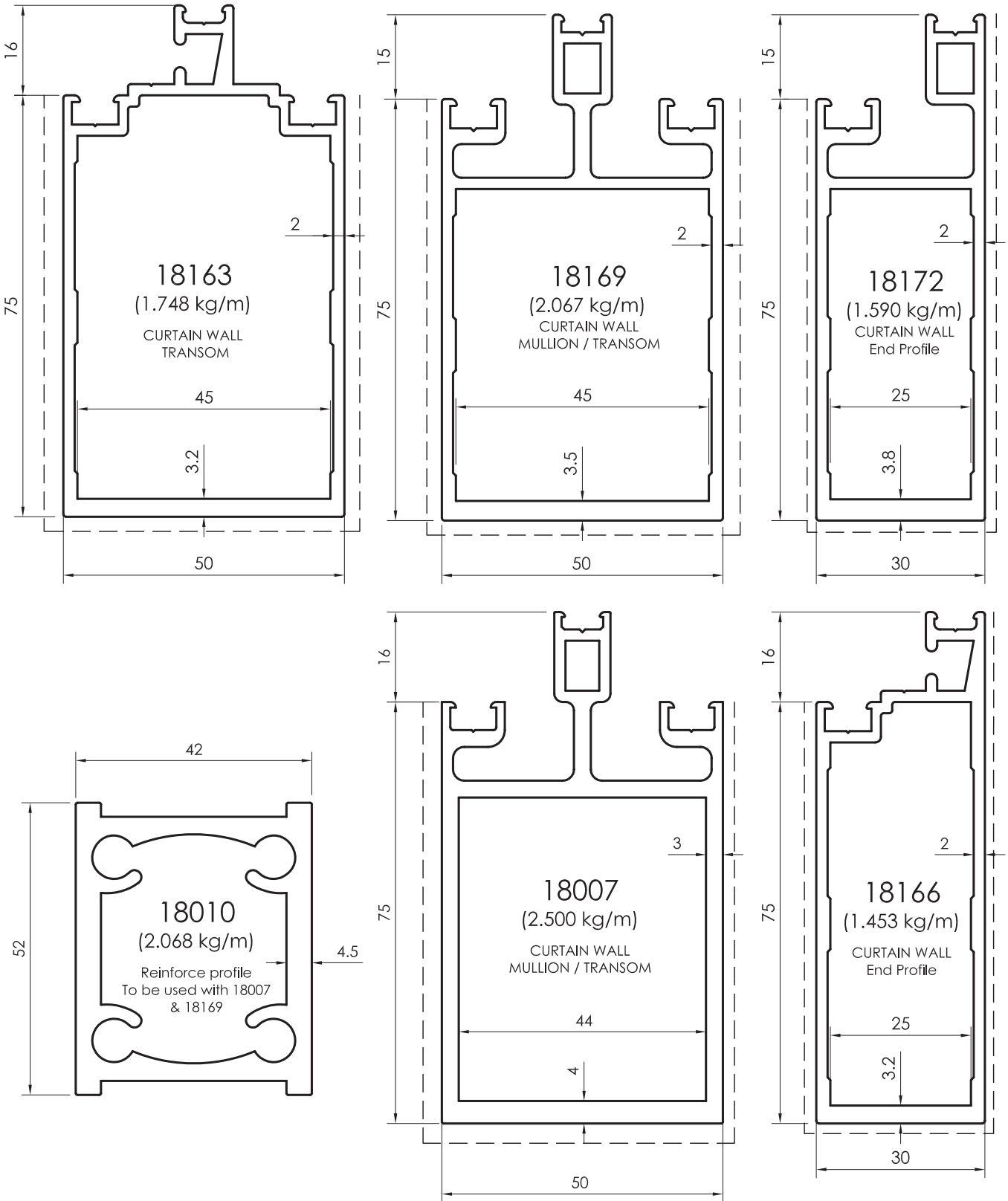
All dimensions in mm
 - - - - - Visible area

Curtain Wall - 50mm



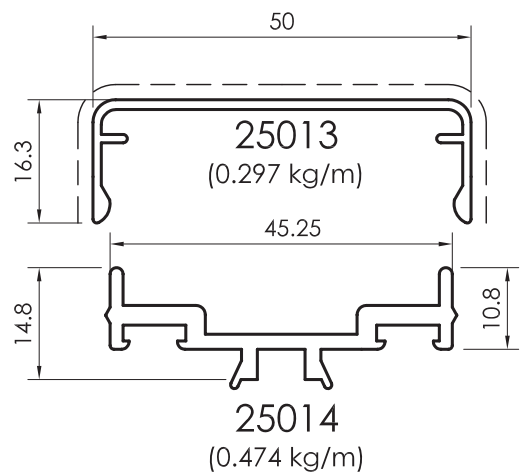
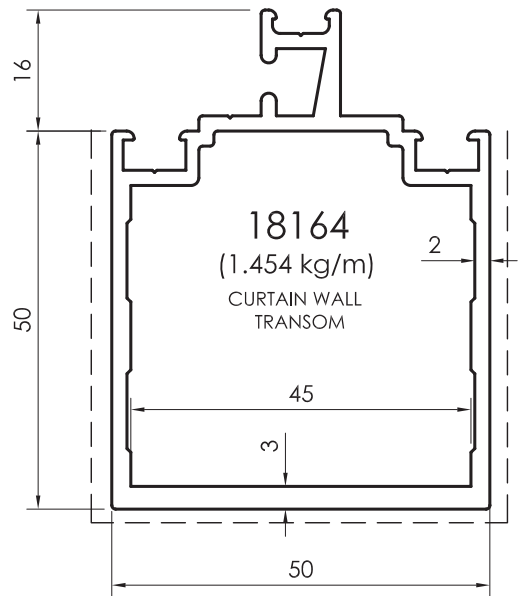
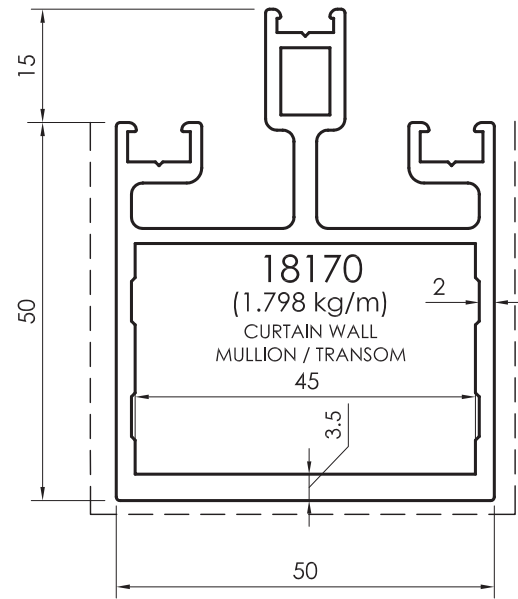
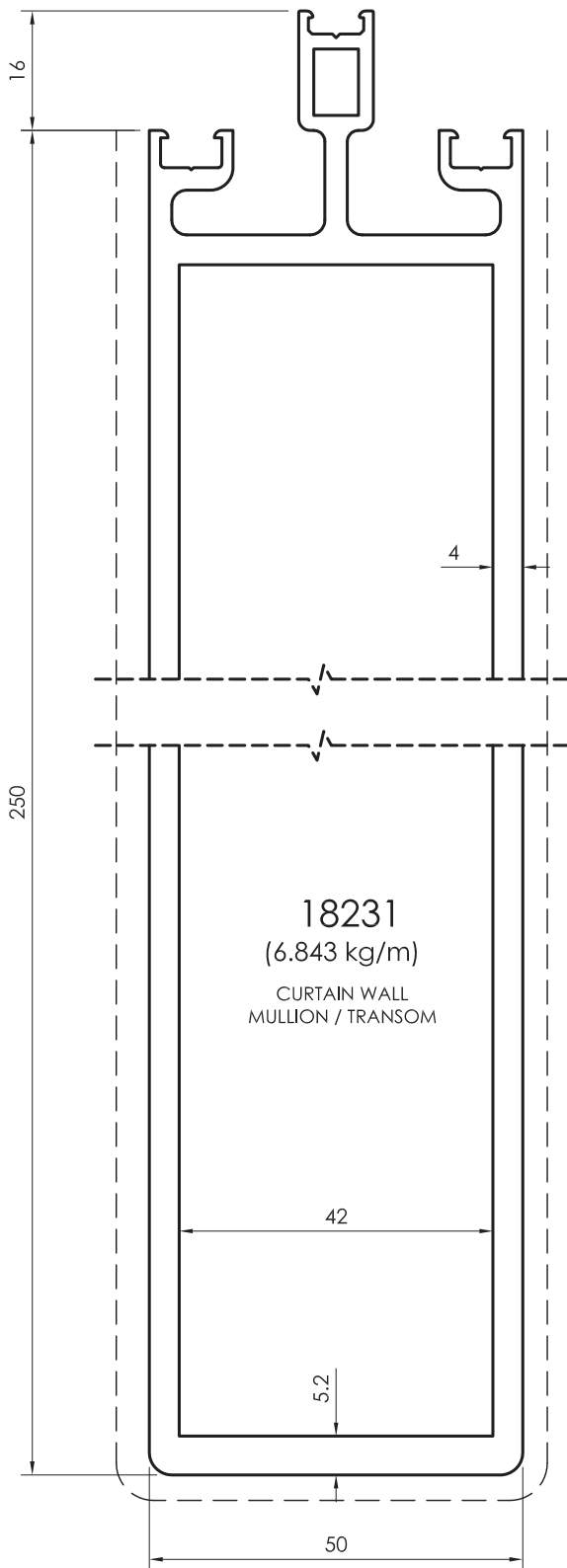
All dimensions in mm
Visible area_-----

Curtain Wall - 50mm



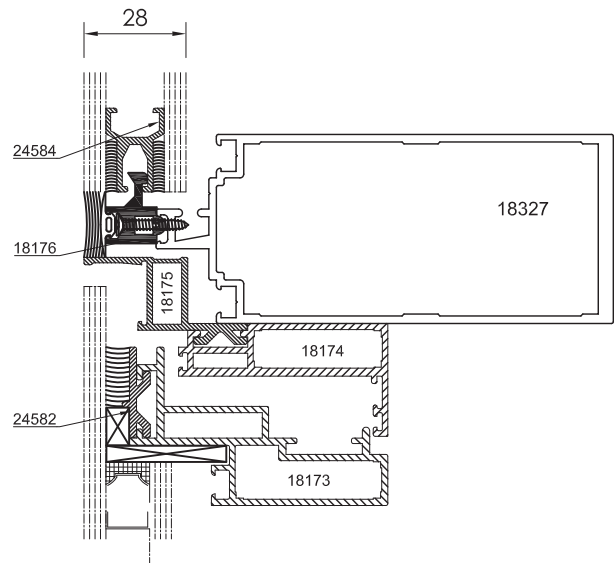
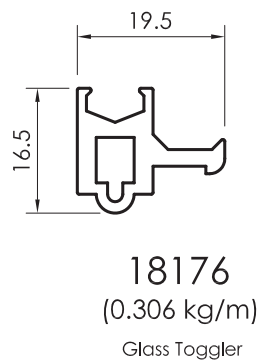
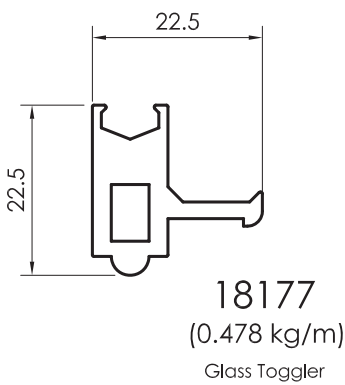
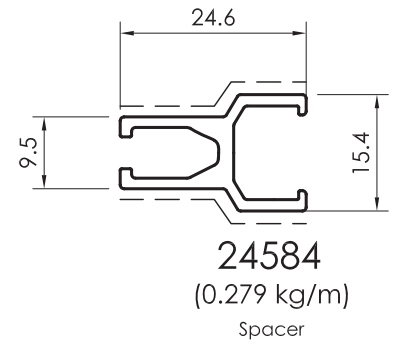
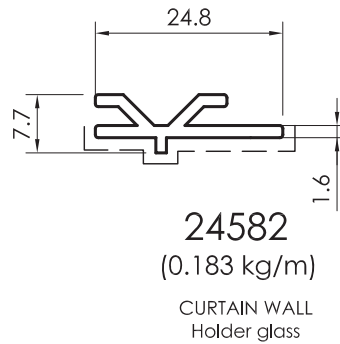
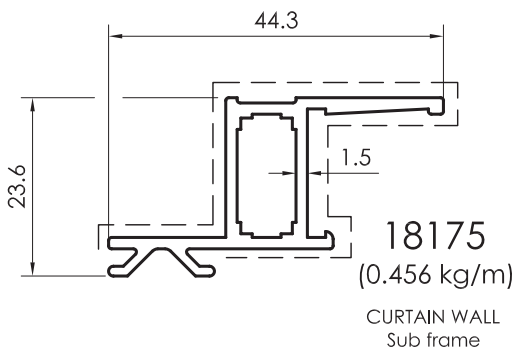
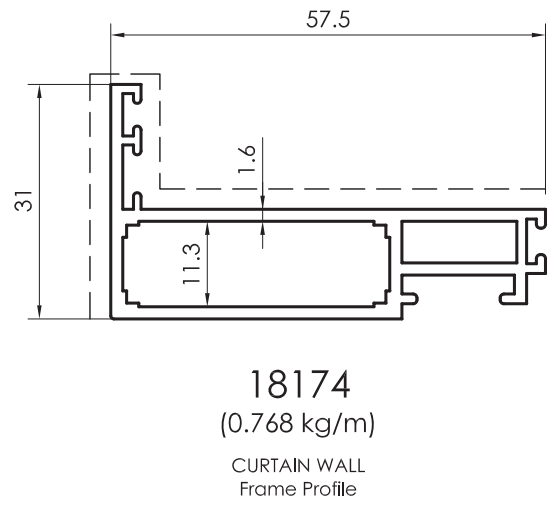
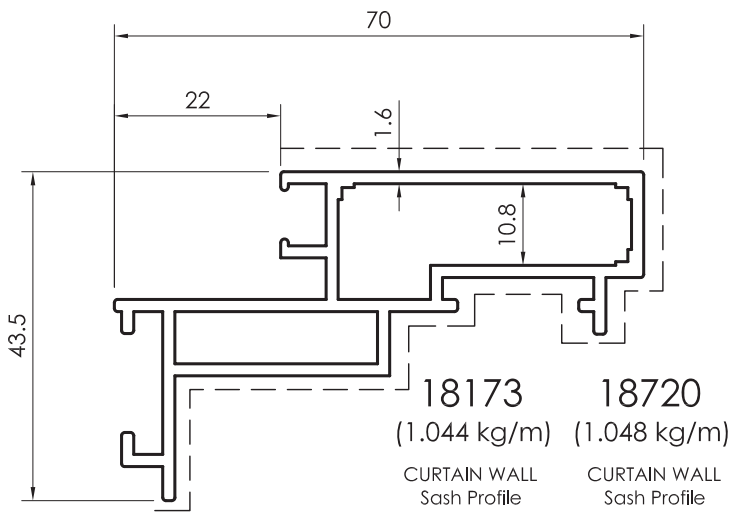
All dimensions in mm
 ----- Visible area

Curtain Wall - 50mm



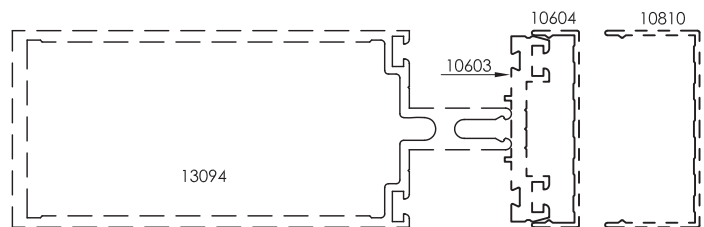
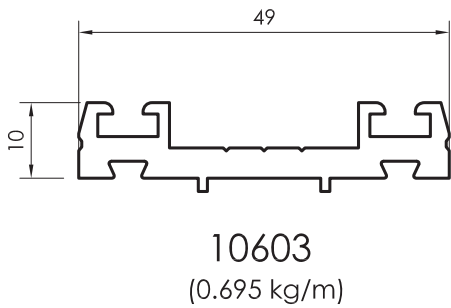
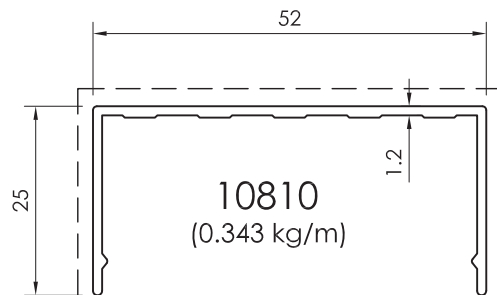
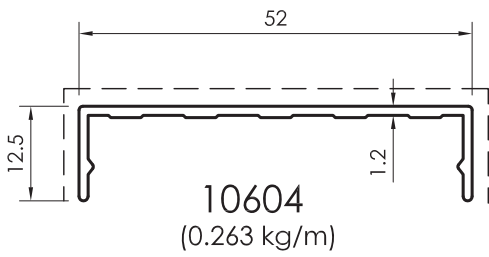
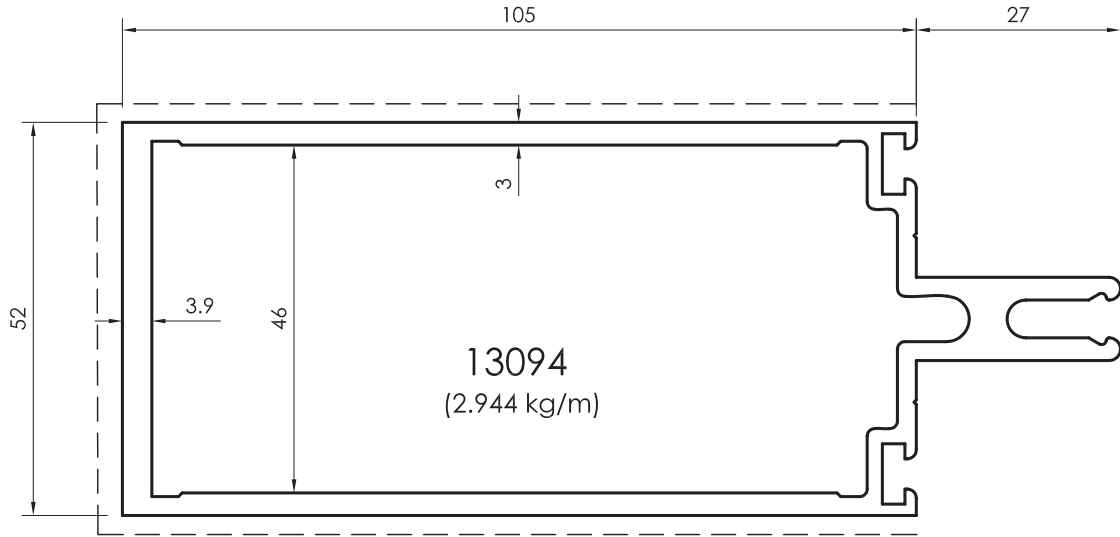
All dimensions in mm
Visible area_-----

Curtain Wall - 50mm



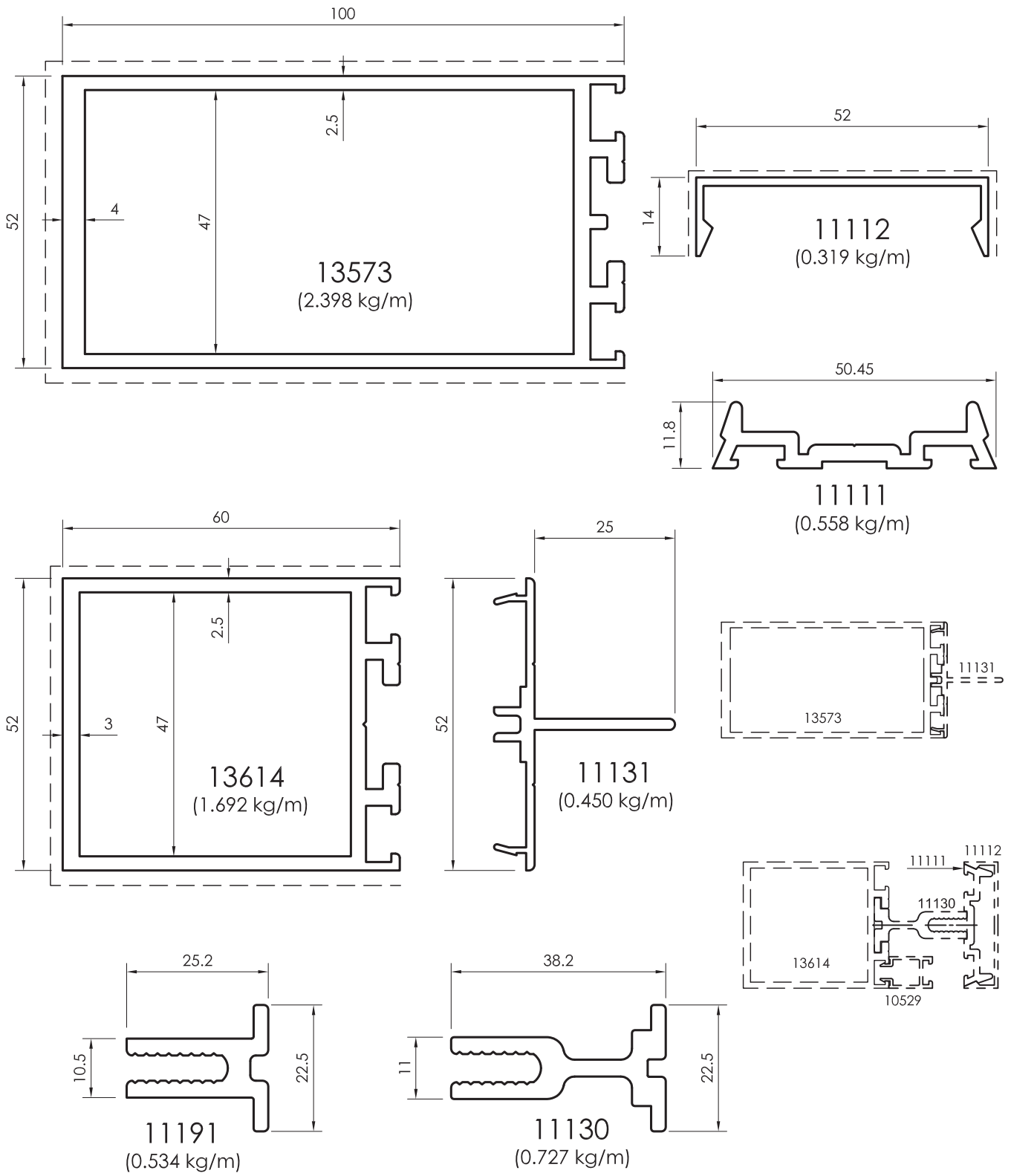
All dimensions in mm
----- Visible area

Curtain Wall - 52mm



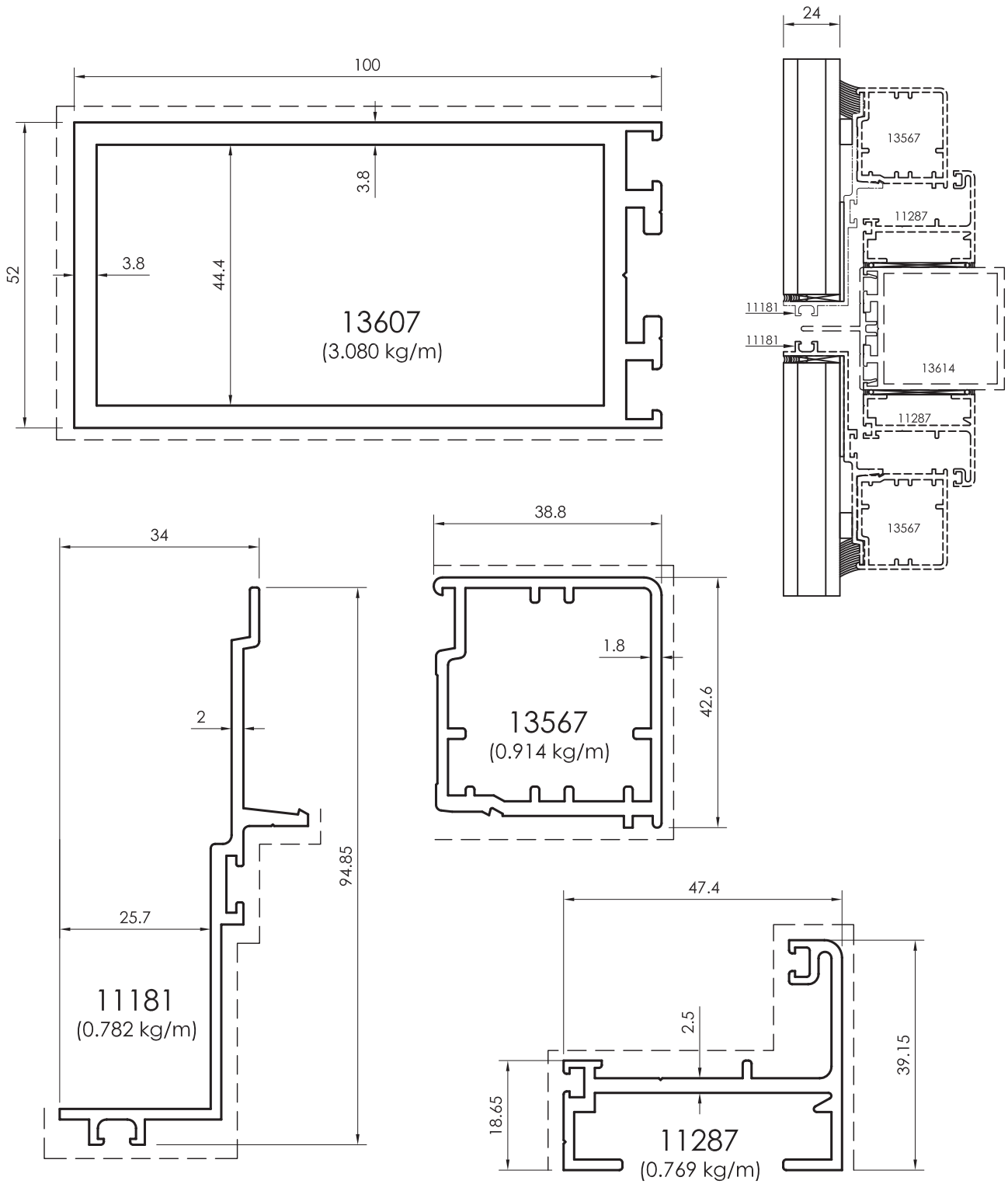
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Curtain Wall - 52mm



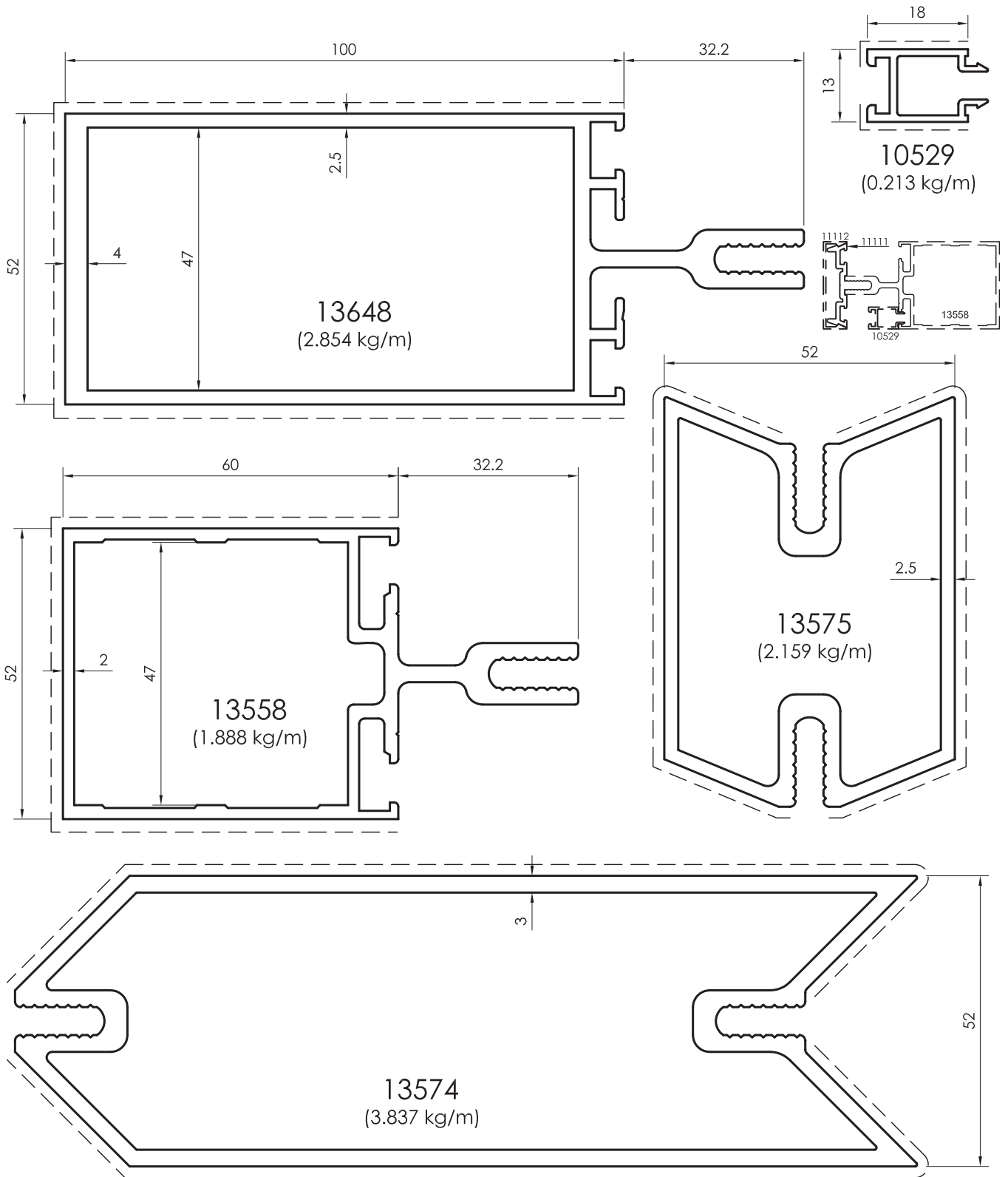
All dimensions in mm
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Curtain Wall - 52mm



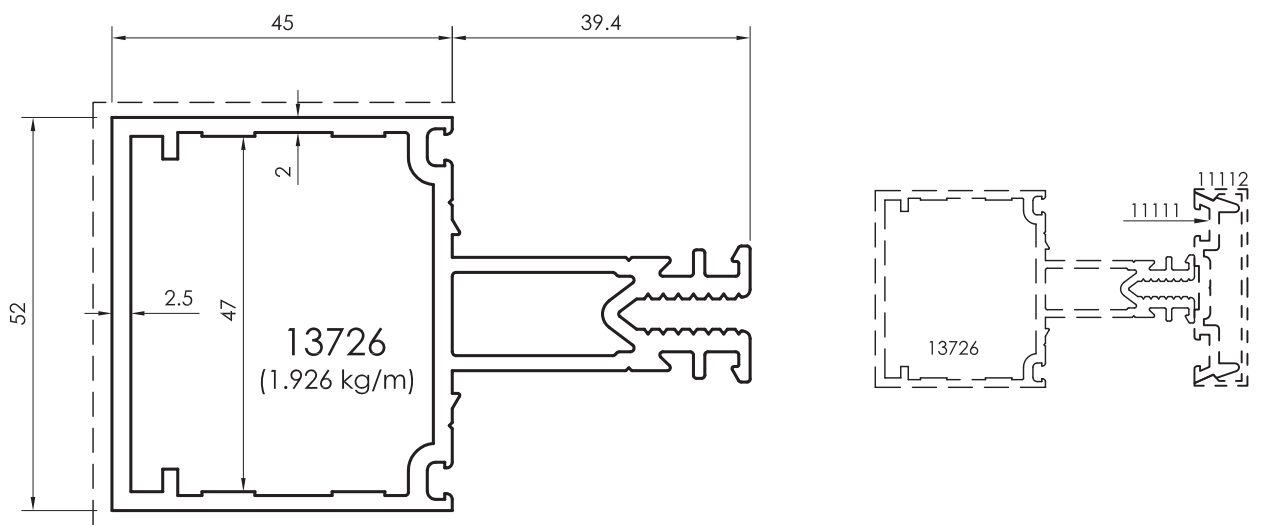
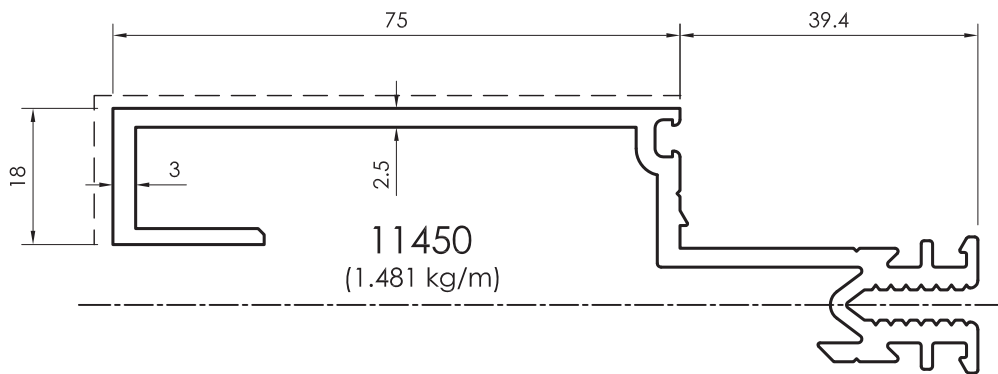
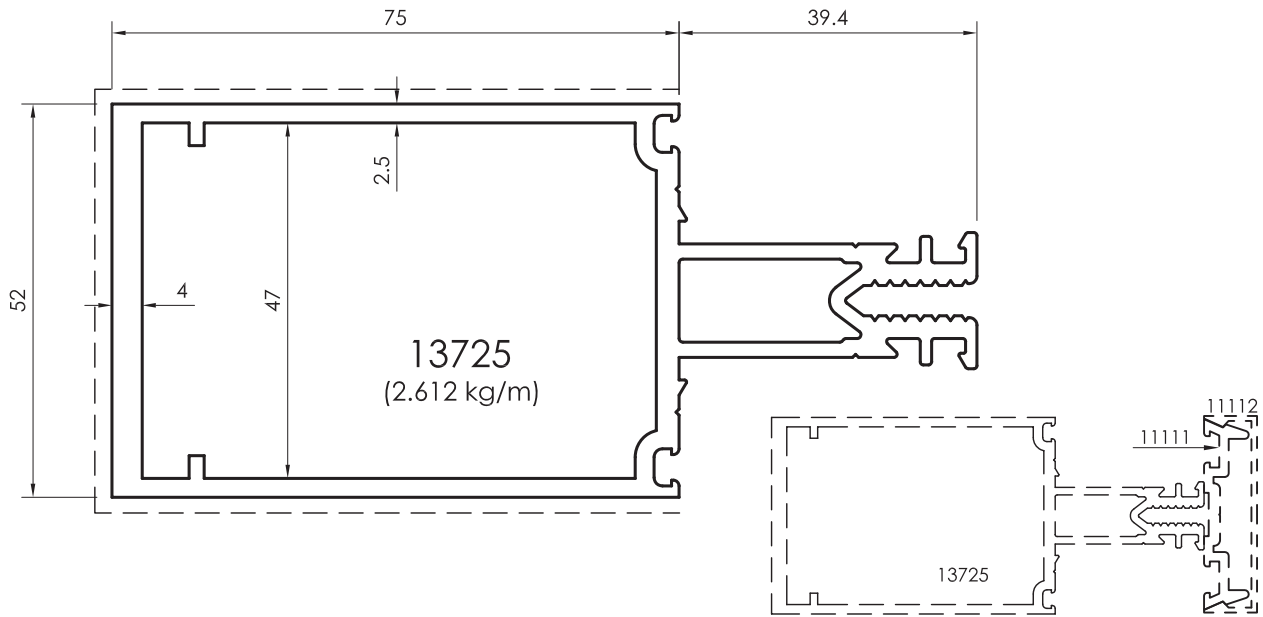
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Visible area_-----

Curtain Wall - 52mm



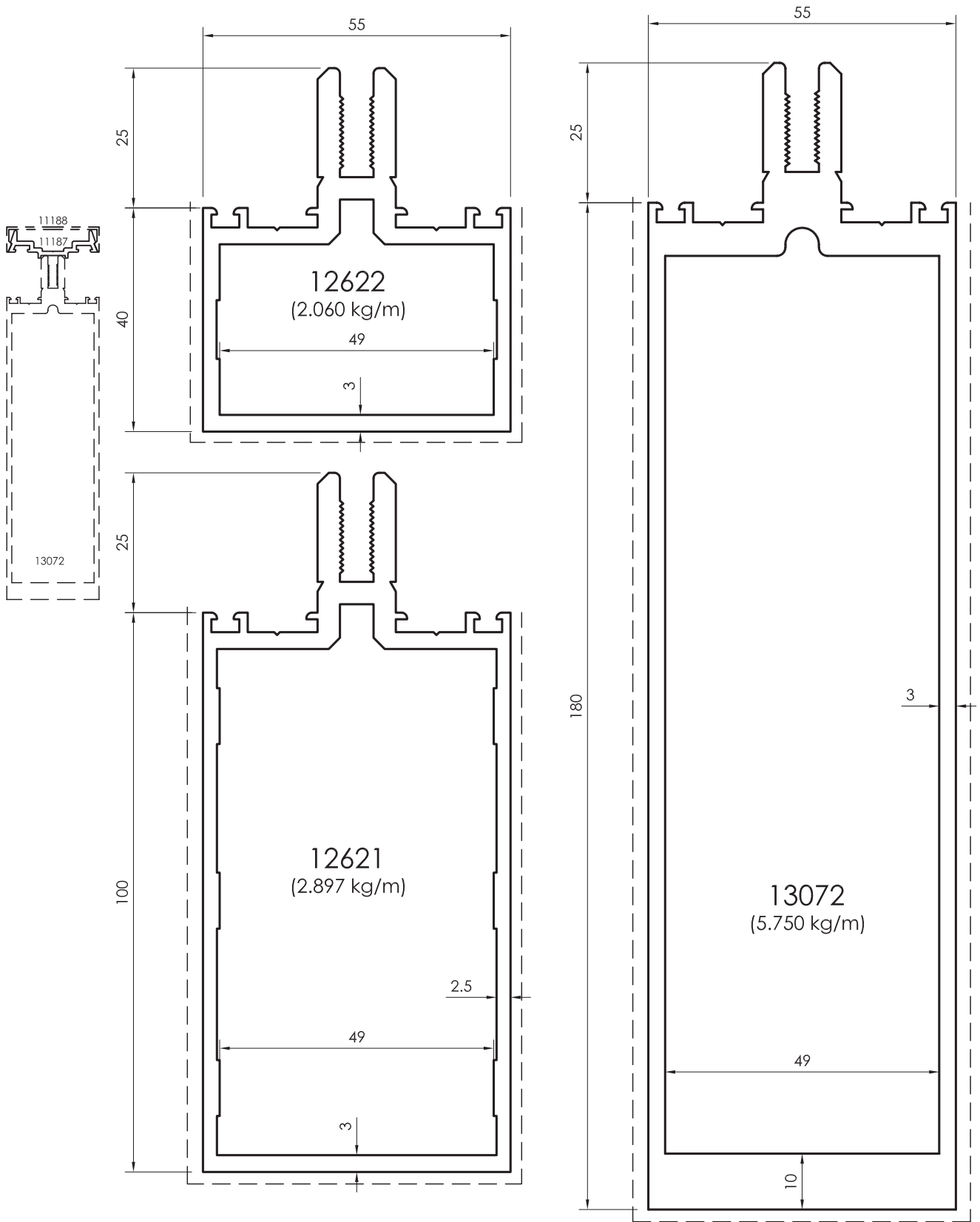
All dimensions in mm
 - - - - - Visible area

Curtain Wall - 52mm



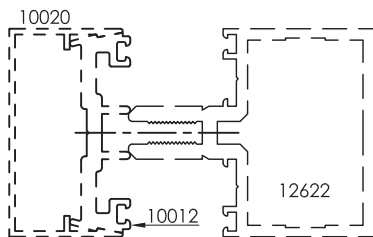
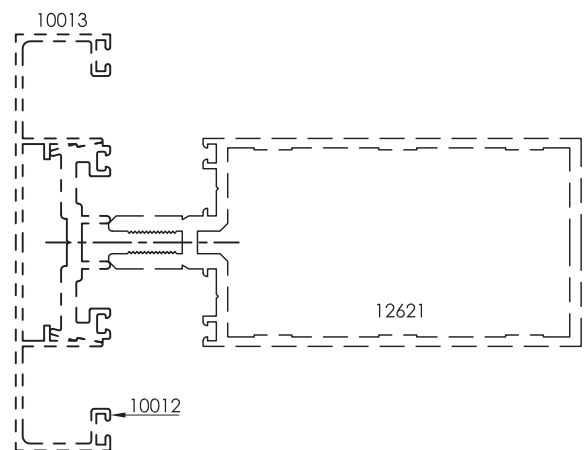
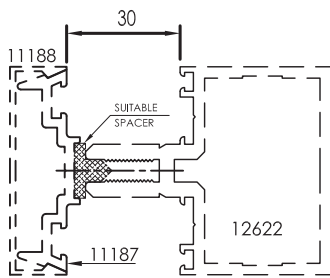
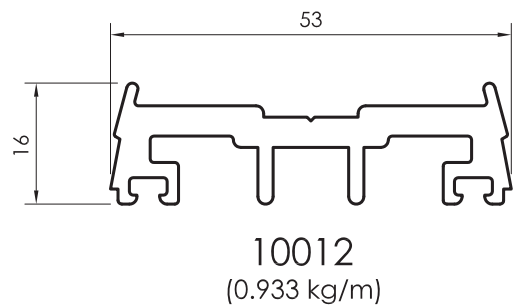
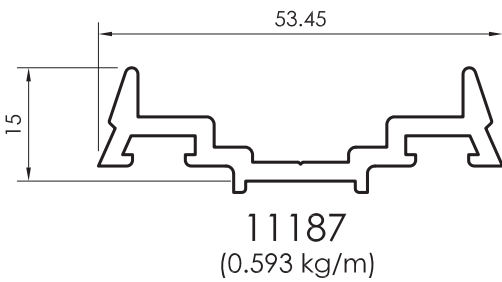
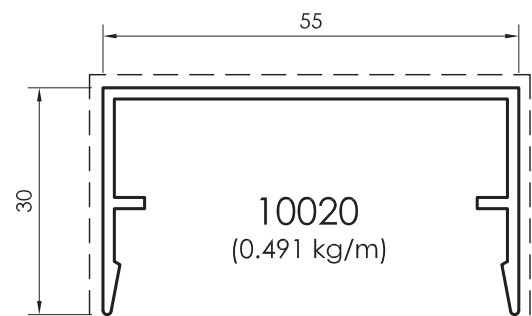
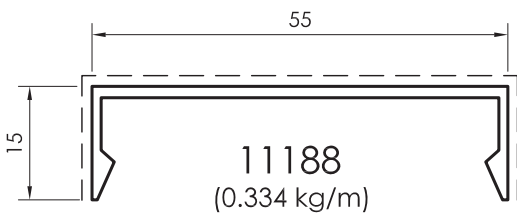
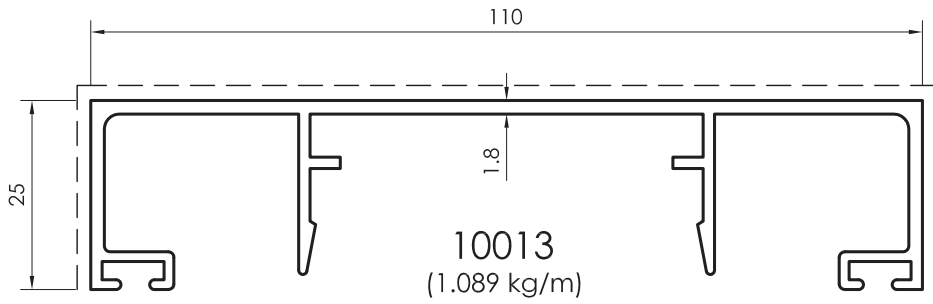
All dimensions in mm
Visible area_-----

Curtain Wall - 55mm



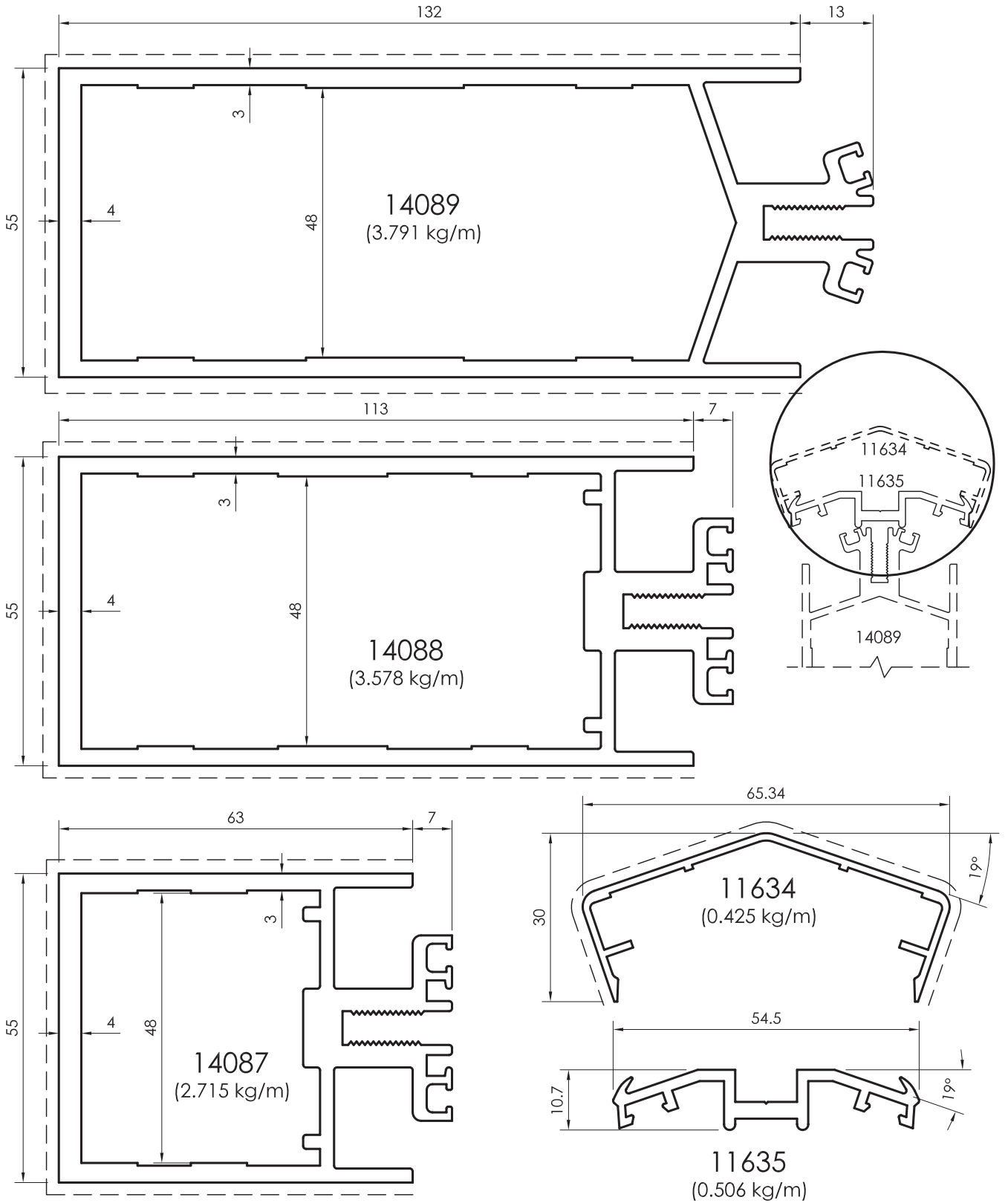
All dimensions in mm
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Curtain Wall - 55mm



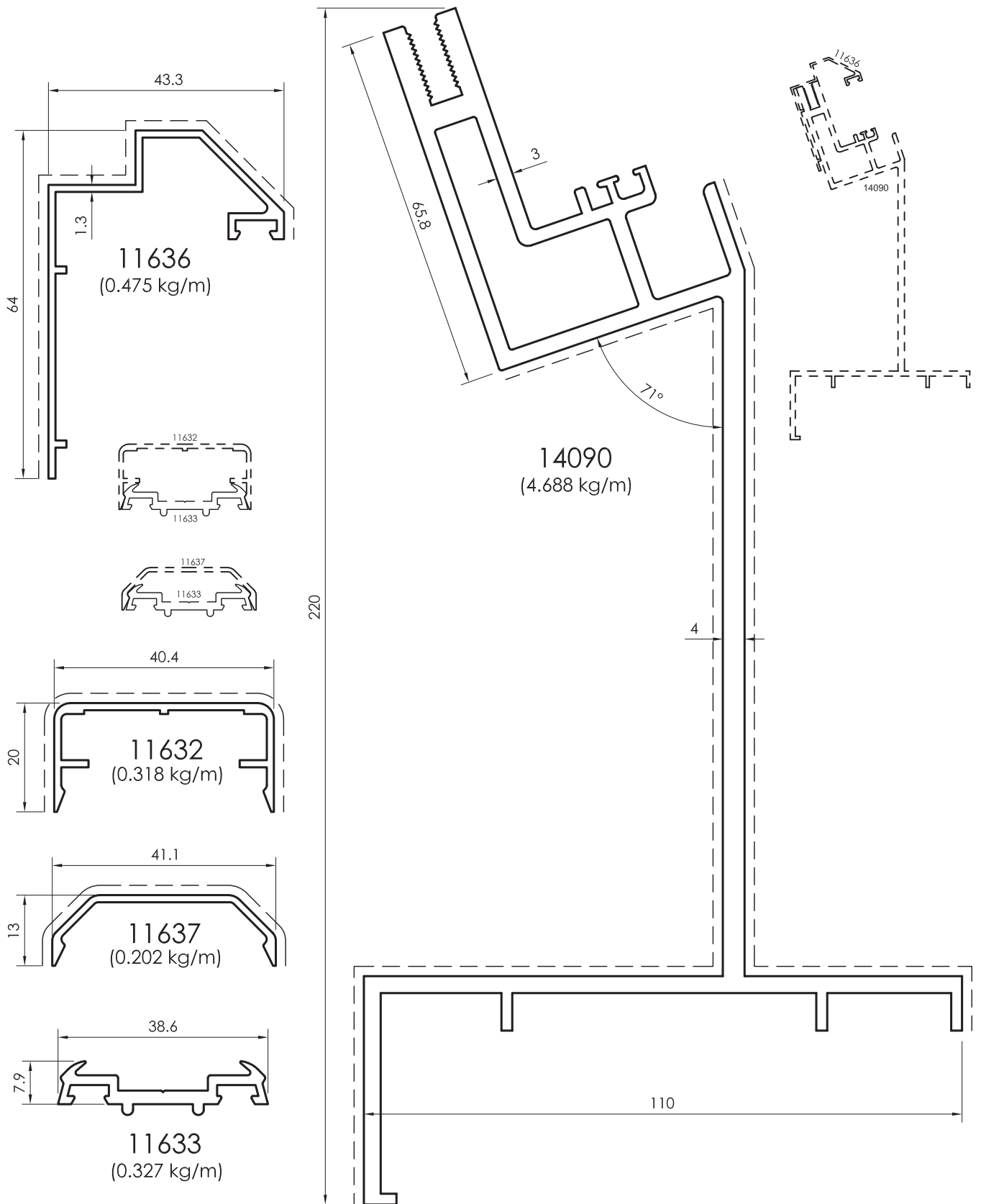
All dimensions in mm
Visible area_____

Curtain Wall - 55mm



All dimensions in mm
 ----- Visible area

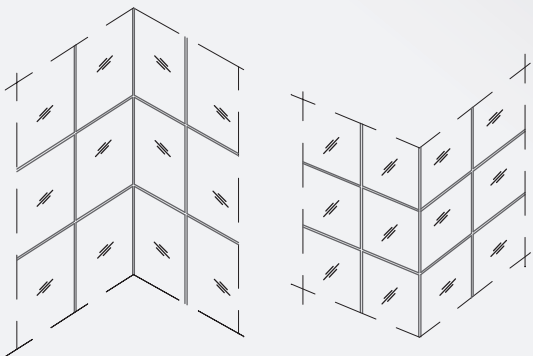
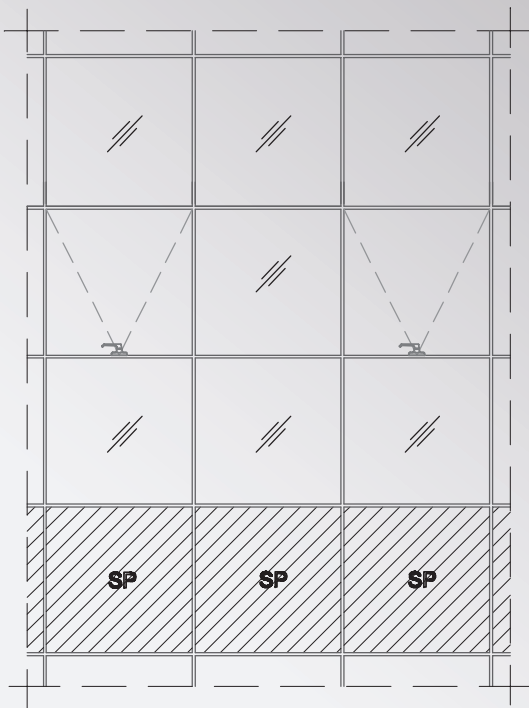
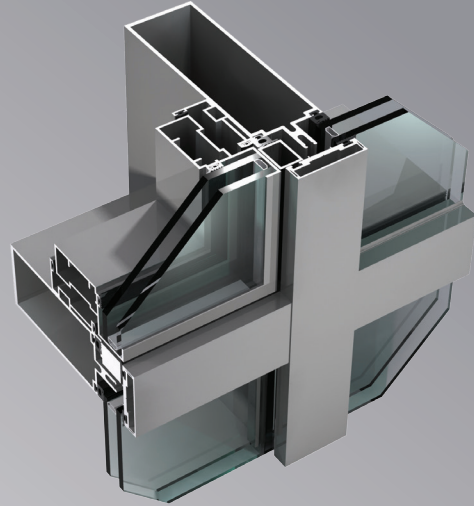
Curtain Wall - 55mm



All dimensions in mm
Visible area_____

CURTAIN WALL 60mm

- Features Glass - 6mm to 32mm
- Alloys - 6063 / 6060/ 6061 / 6082
- The System consists of 60mm width
- The System can provide the possibility of large glass panels.
- The System can be used for Two way, Four way & Conventional.
- Casements are Italian Openings.
- EPDM Gasket
- Finishes:
Powder Coates
Anodizing
According to Shades available in Gulf Extrusions



CW 60 is a unique curtain wall structure that combines multi-structural grid to create various aspects, starting by the conventional curtain wall system passing through the two way horizontal capping curtain wall systems to the four way structural curtain wall systems. CW 60 has proven to be a curtain wall solution perfectly tailored to the Middle East market requirement.

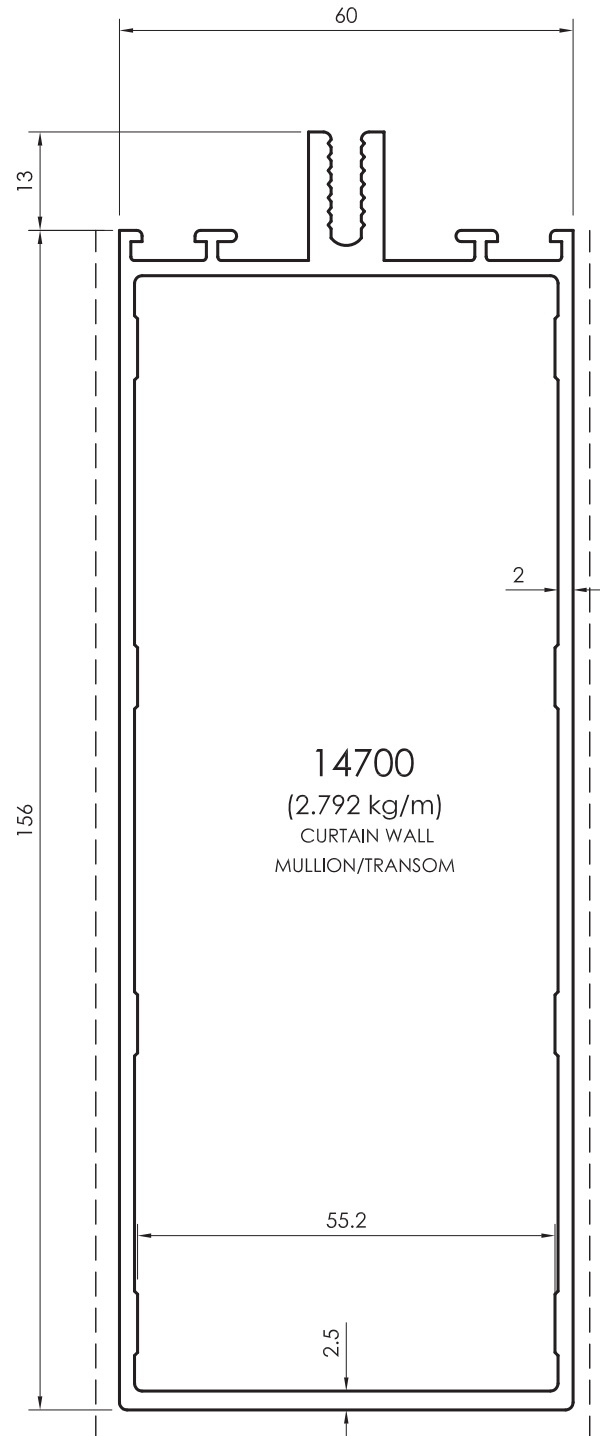
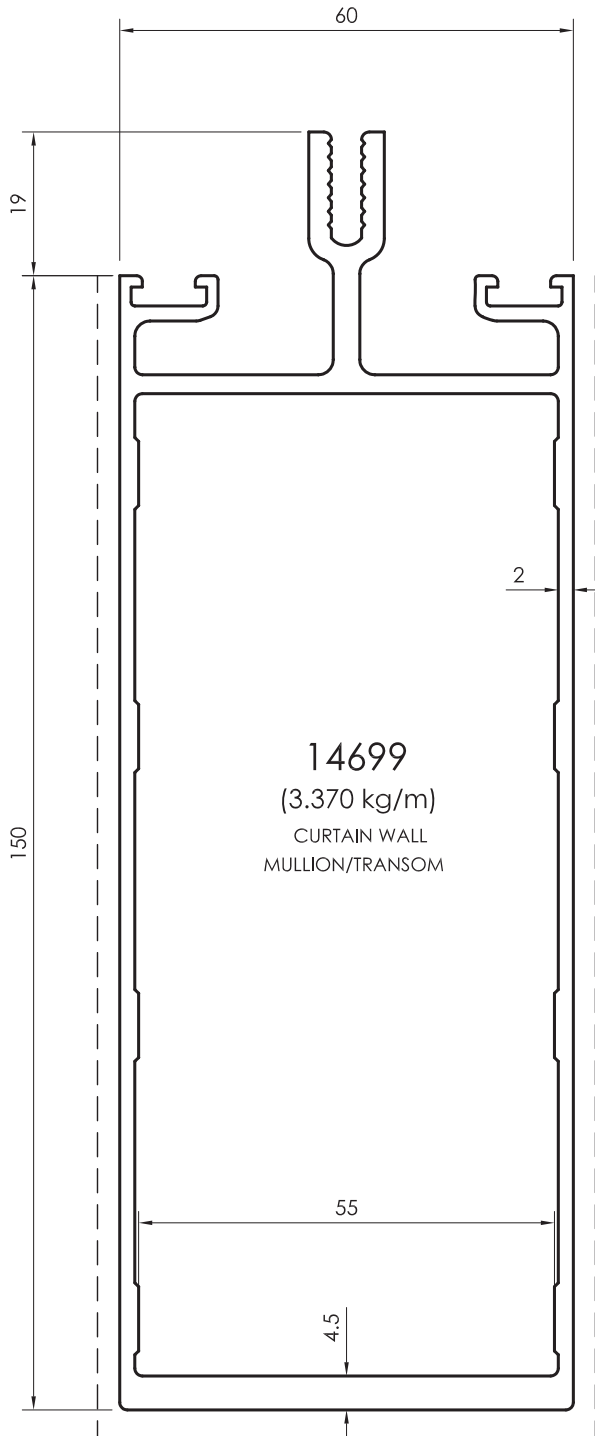
FEATURES:

The CW 60 system consists of 60mm width structure components allowing several external appearances. It is fast to manufacture and to install. With the wide range of profile selection, the system can provide the possibility of large glass panels, maintaining the stiffness and rigidity of the curtain wall structure. Mullions can be reinforced by Aluminium or Steel tubes to enhance the free span area, making it possible to be used in high structures. Special casements for the CW 60 system have been developed giving two options of cold and thermally insulated profiles. Casements are Italian openings with selected stay arms to ensure the tightness and stability of the opening.

CW 60 uses the same structures for multifunctional applications:

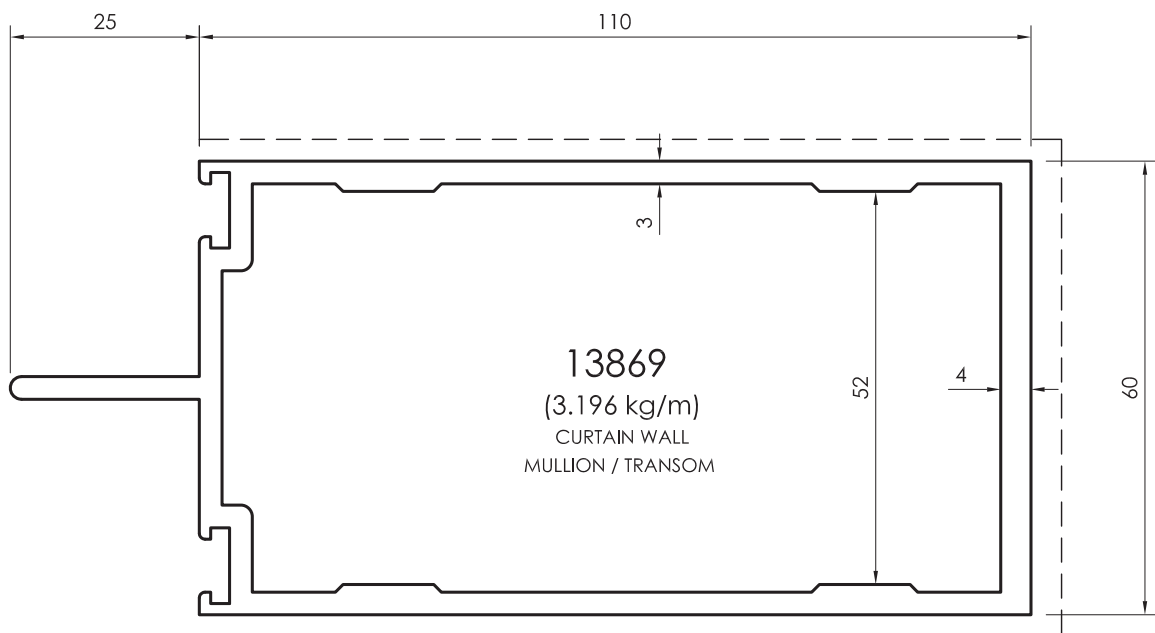
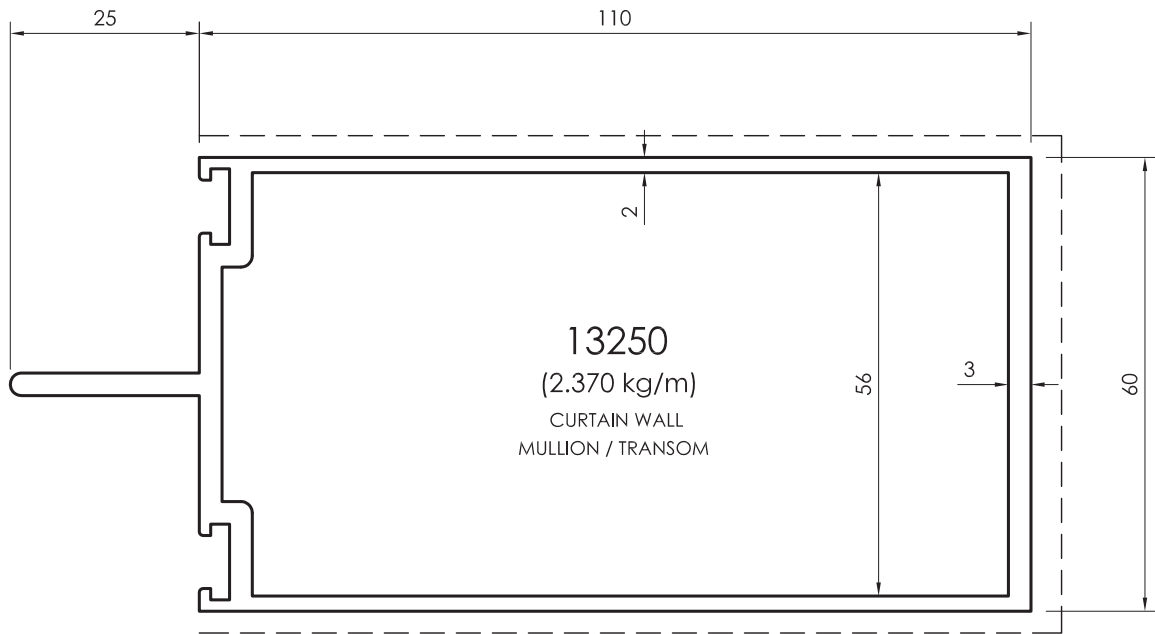
- Conventional application is obtained by applying horizontal and vertical caps, clipped to horizontal and vertical pressure plates screwed to the structure holding the glass panels. Two EPDM gaskets, one to the inside fixed on the structure, the second to the outside fixed on the pressure plate; provide the grip on the glass panels. Glass thickness ranges between 6mm -32 mm
- Two way or horizontal capping application is obtained by applying horizontal caps only, clipped to a horizontal pressure plate screwed to the structure and holding the glass panels. Two EPDM gaskets applied horizontally one to the inside fixed to the structure; the second to the outside fixed to the pressure plate provide the grip on the glass panels. Vertically only a vertical sealant is applied between the glass panels for aesthetic and water tightness Glass thickness ranges between 6mm - 32mm
- Four way structural aspects is a curtain wall aspect which conceals that conceals the aluminium structure from the outside making it completely invisible. Concealed openings are designed in order to keep the external appearance of the structure uniform even in the presence of the opening. The four way structural applications is obtained by fixing a glass toggle to the glass holding the panel by a specially designed aluminium spacer, well sealed by a structural sealant to ensure the rigidity of panel. The space between glass panels is sealed by a neutral sealant for aesthetic and water tightness purposes; this application is the most common application in the MENA region. Glass thickness is of 32 mm if panel is composed of Xmm inside- 20 mm airspace-8 mm outside the glass thickness can vary if we change the outer glass thickness uniformly on the façade.

Mullion / Transom Profiles



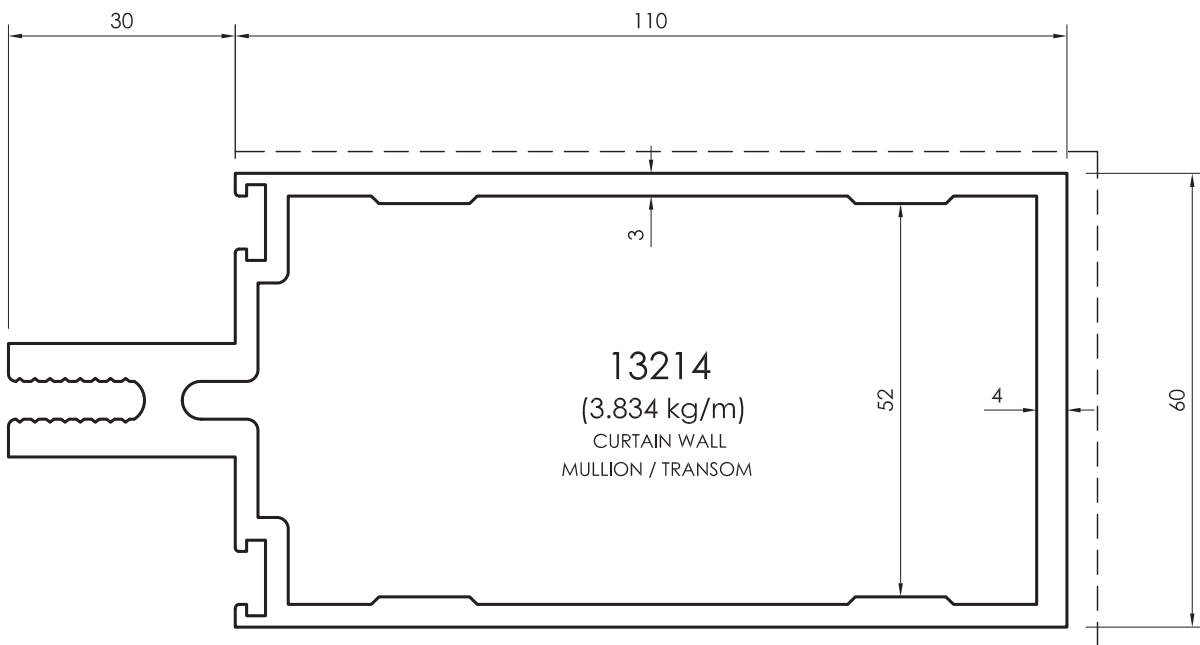
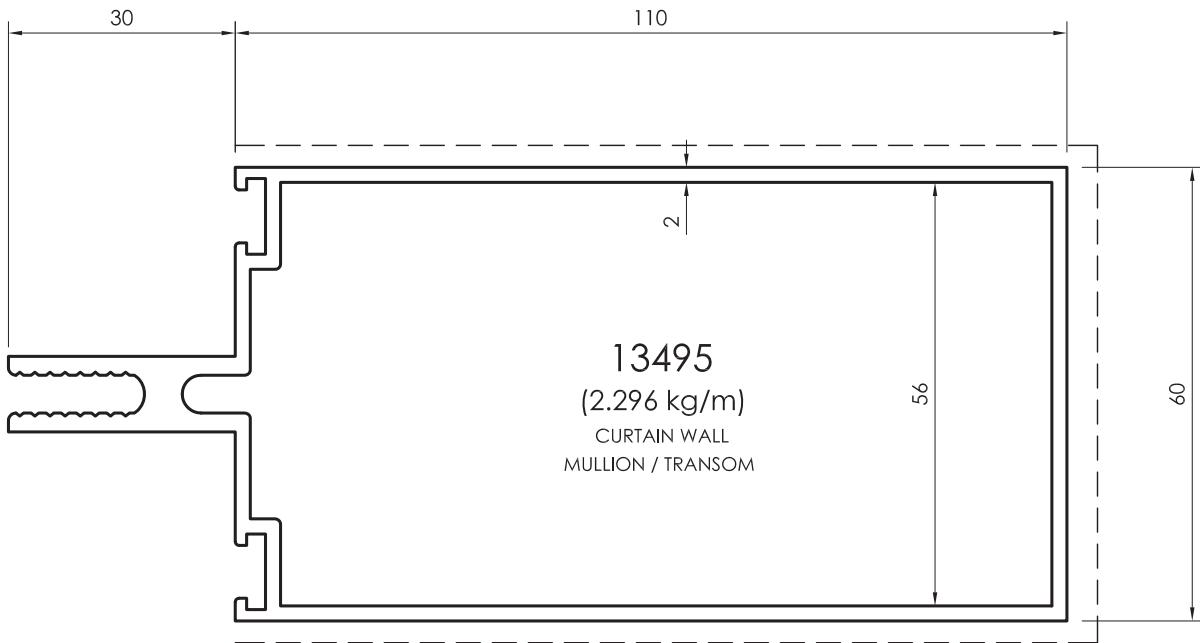
All dimensions in mm
Visible area_-----

Mullion / Transom Profiles



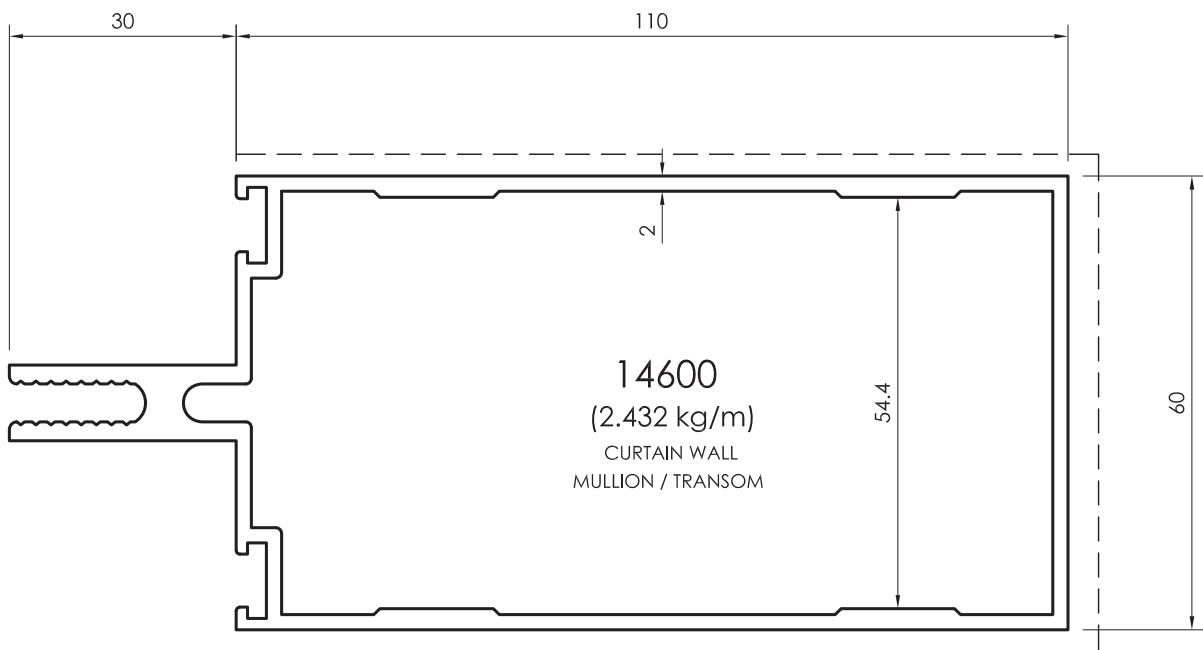
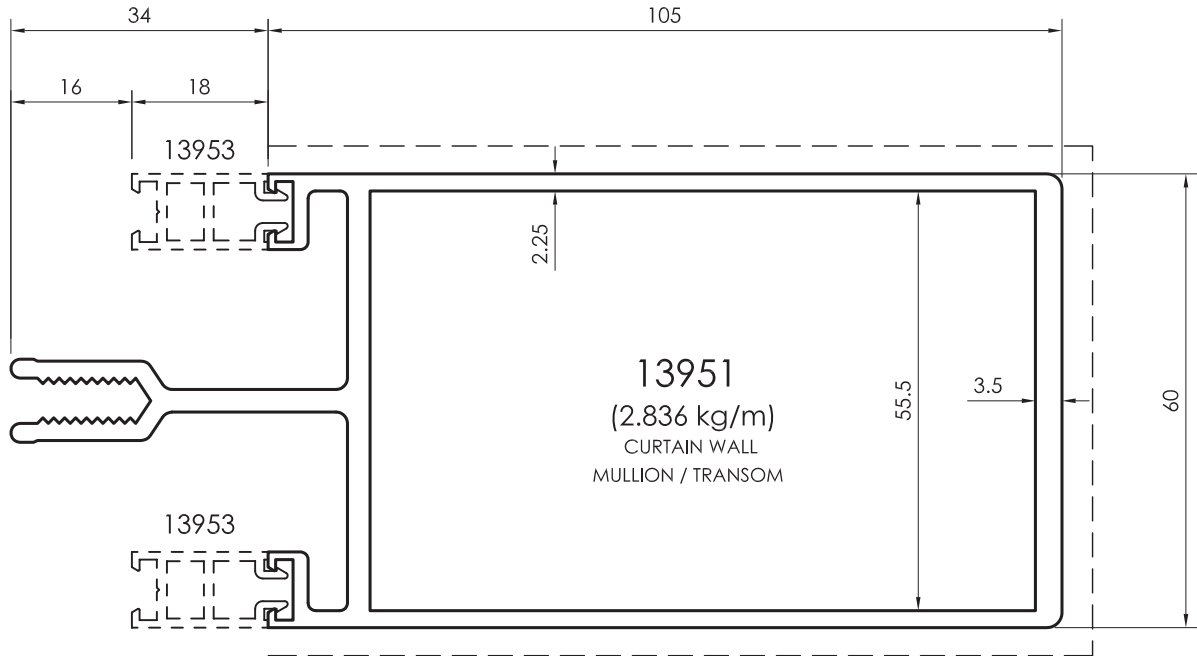
All dimensions in mm
 - - - - - Visible area

Mullion / Transom Profiles



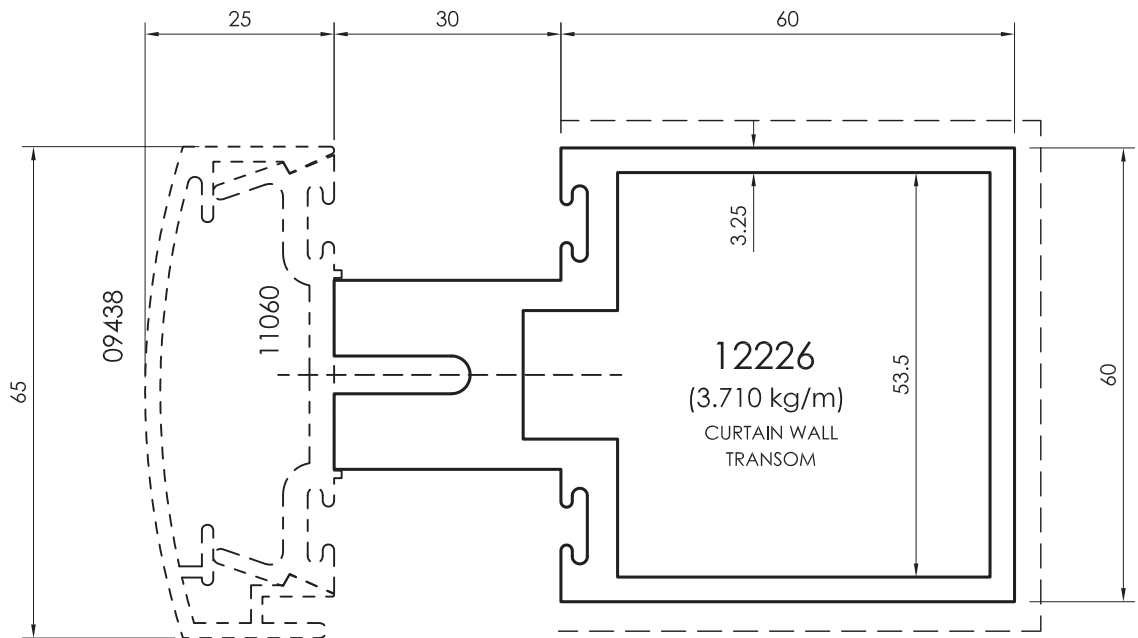
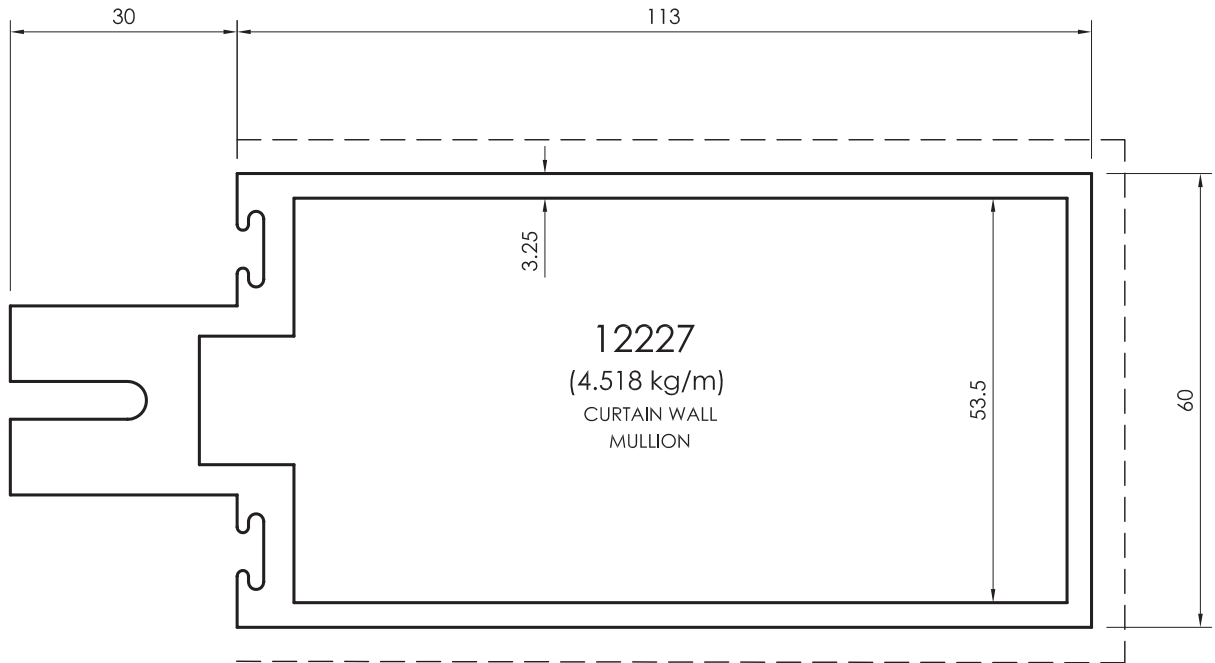
All dimensions in mm
Visible area_-----

Mullion / Transom Profiles



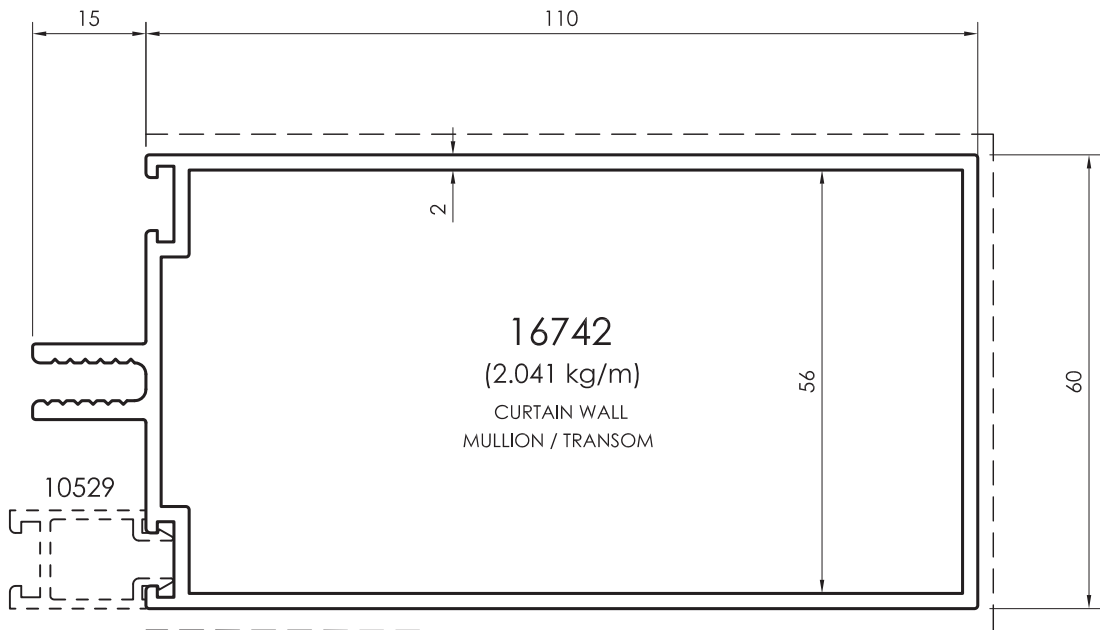
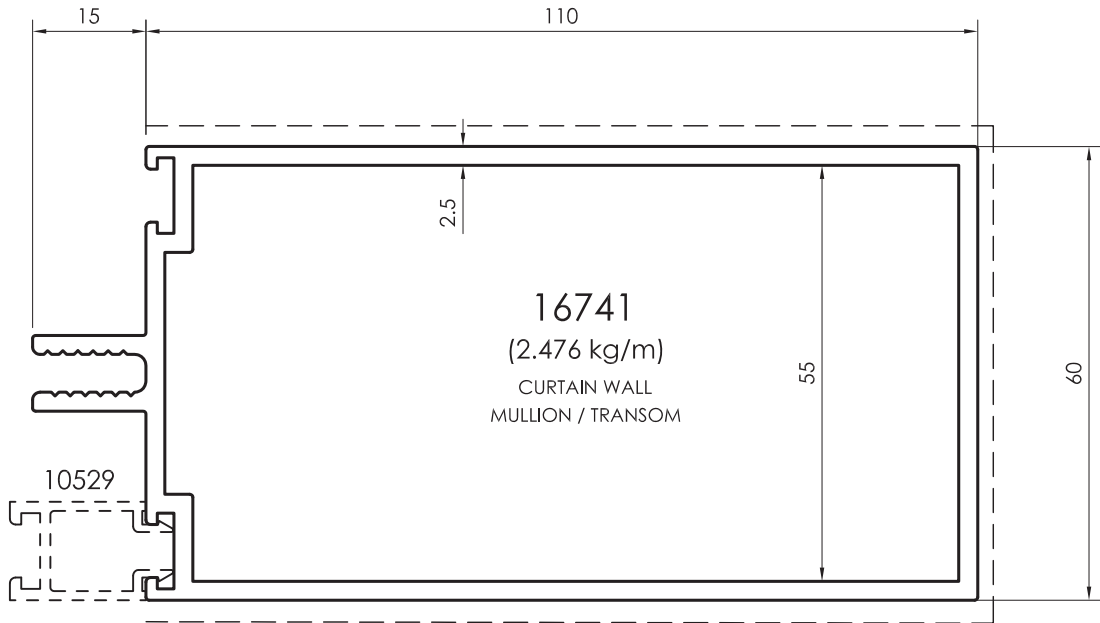
All dimensions in mm
----- Visible area

Mullion / Transom Profiles



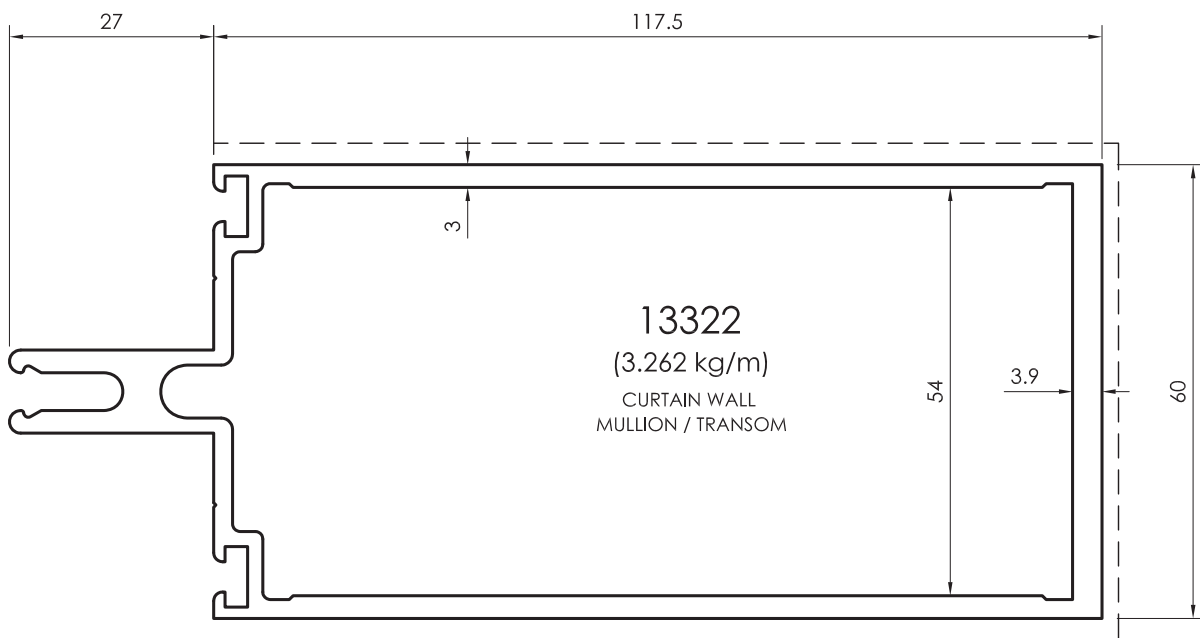
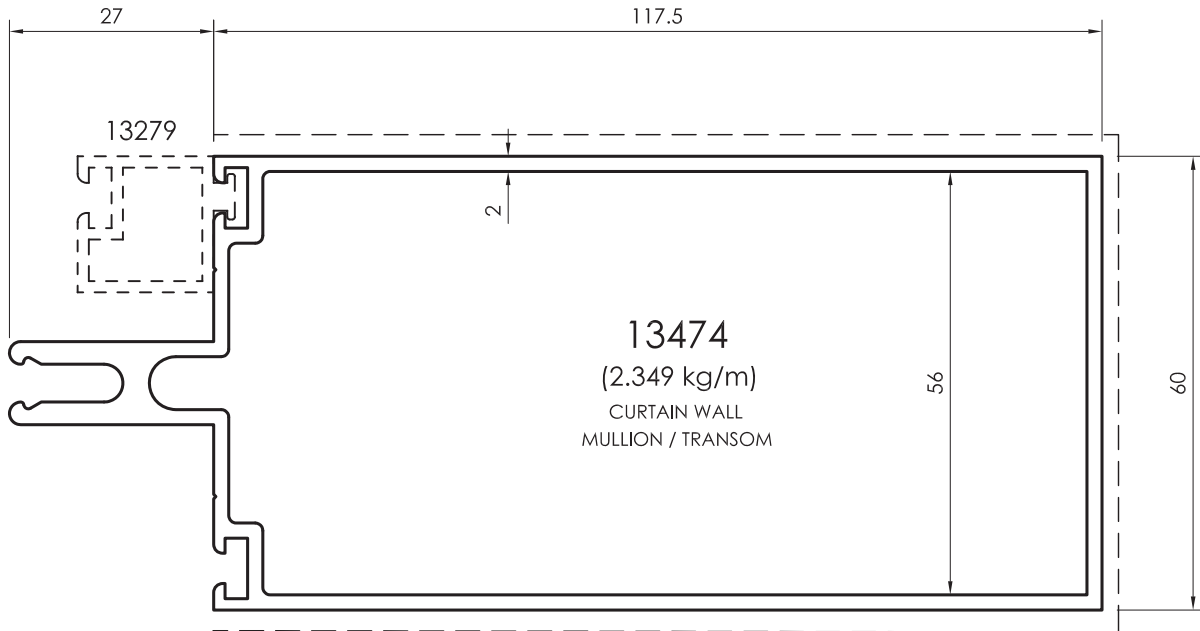
All dimensions in mm
Visible area_-----

Mullion / Transom Profiles



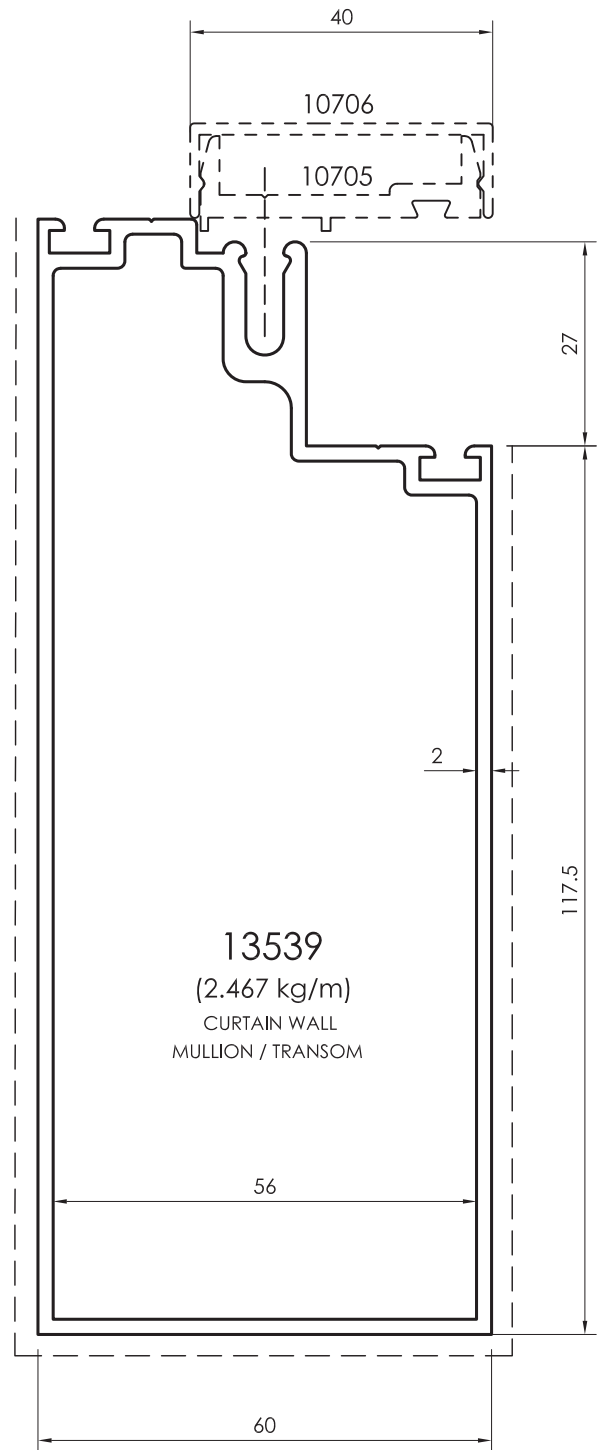
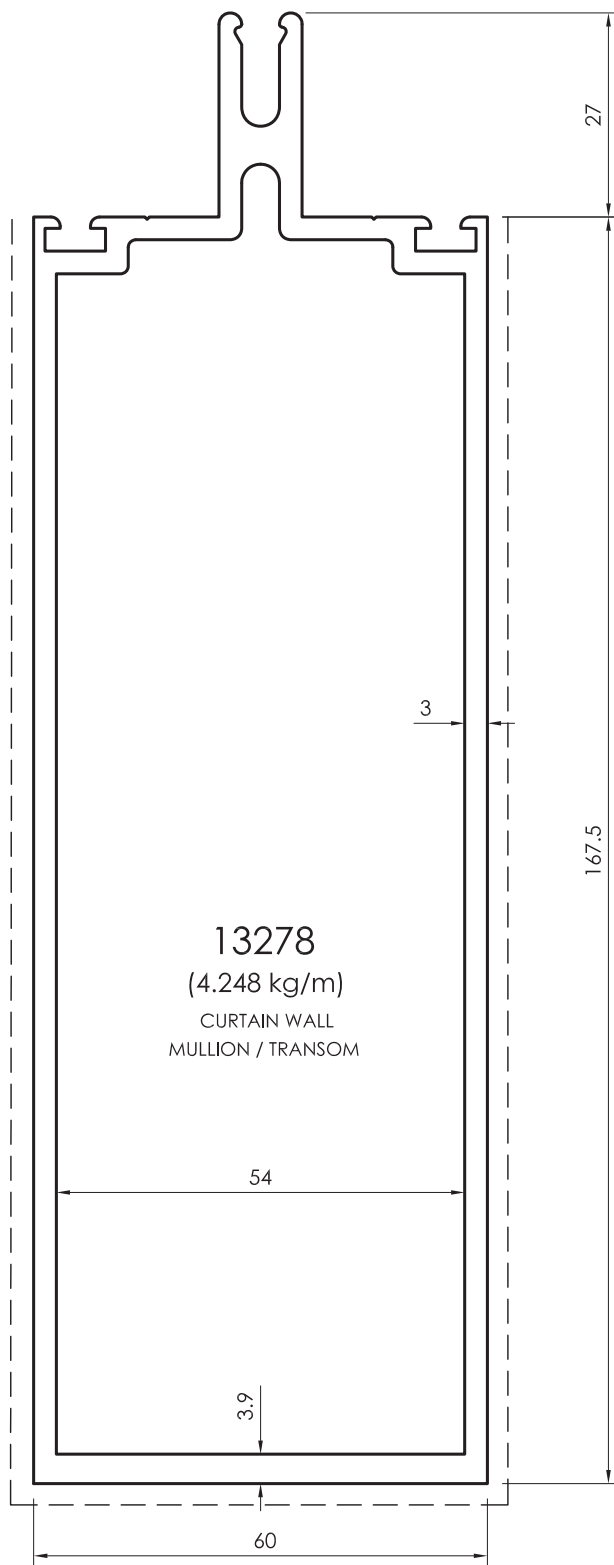
All dimensions in mm
----- Visible area

Mullion / Transom Profiles



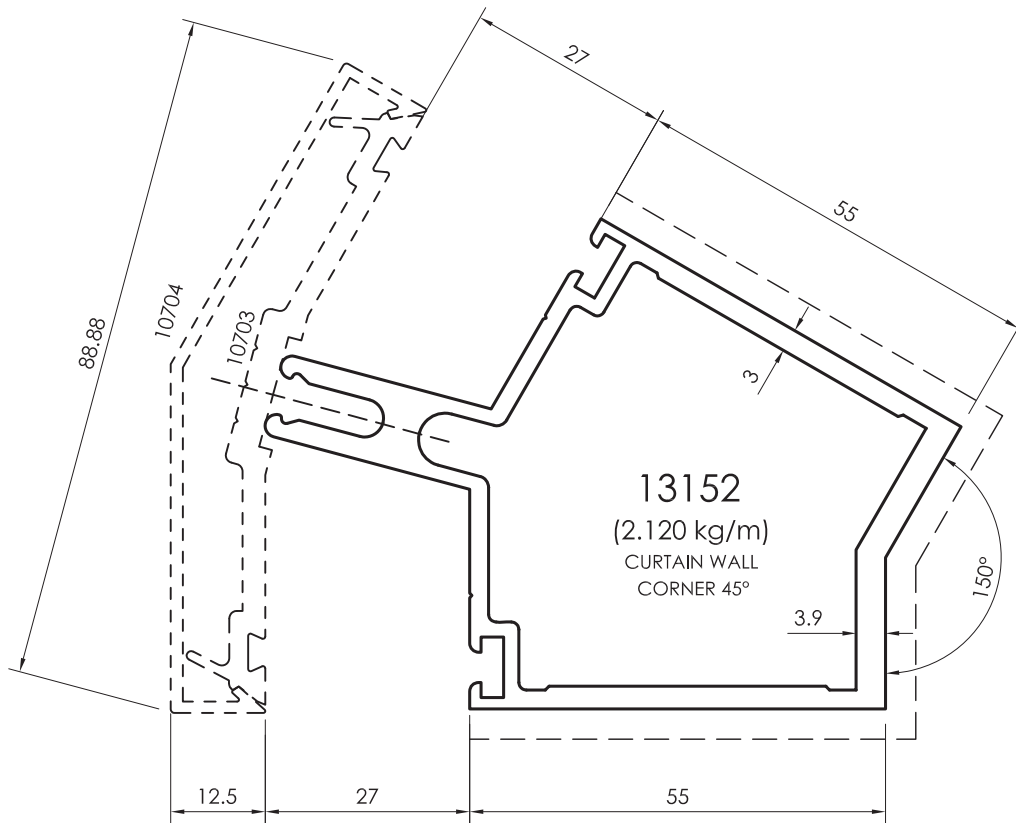
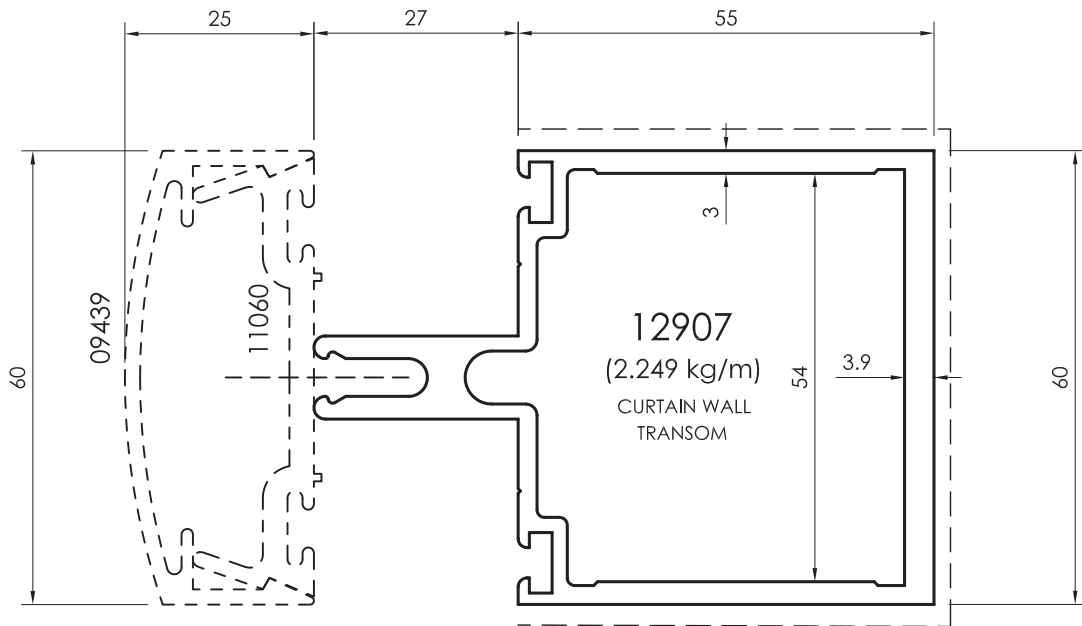
All dimensions in mm
Visible area_____

Mullion / Transom Profiles



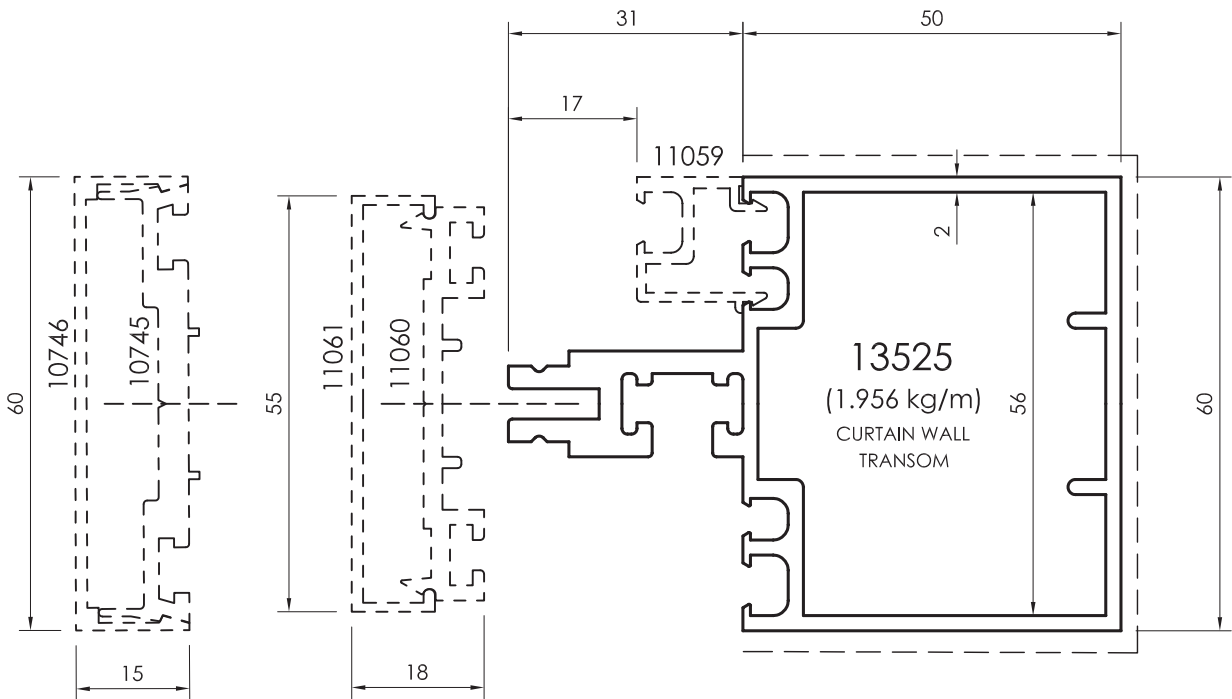
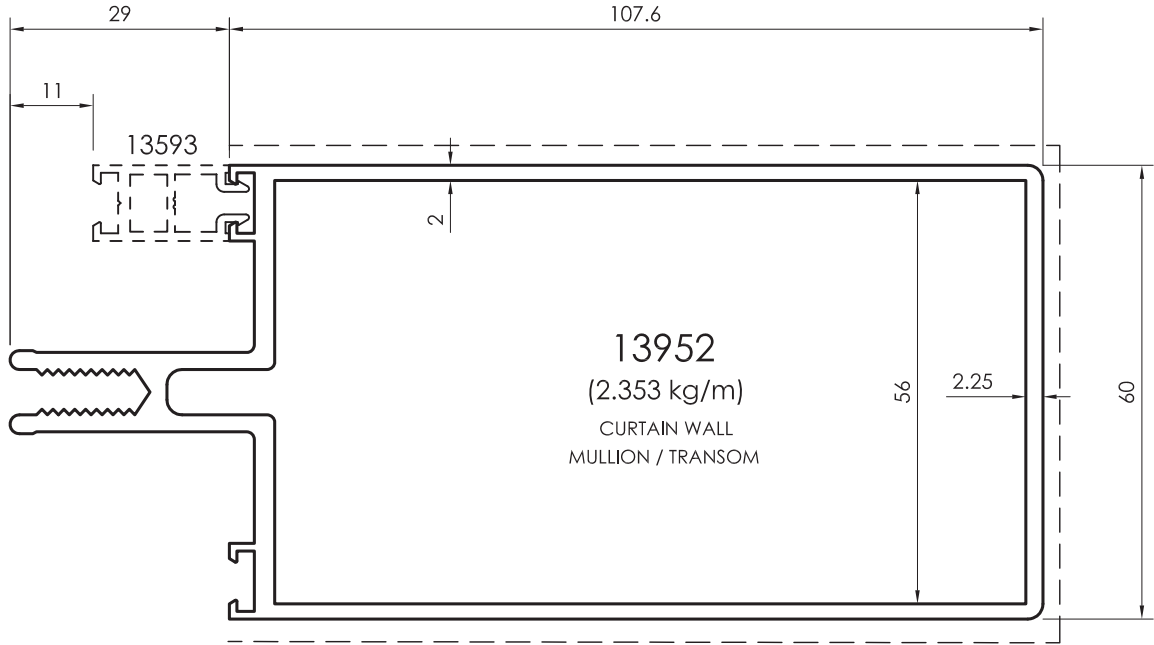
All dimensions in mm
----- Visible area

Mullion / Transom Profiles



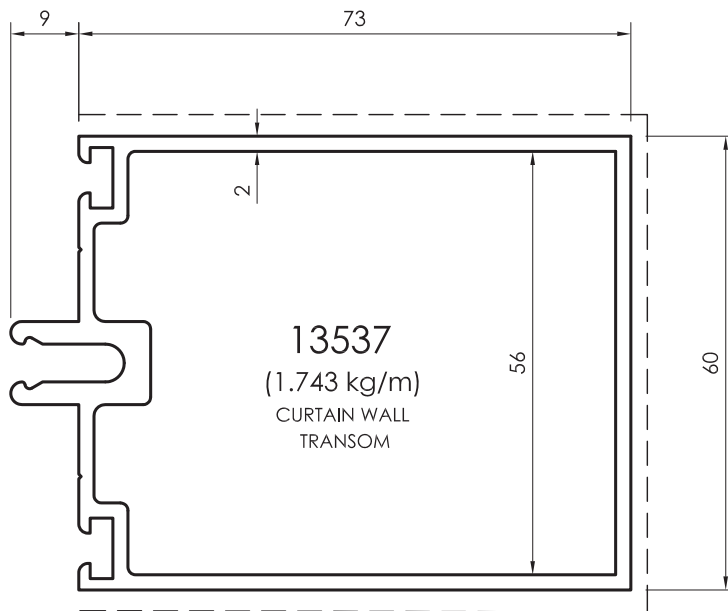
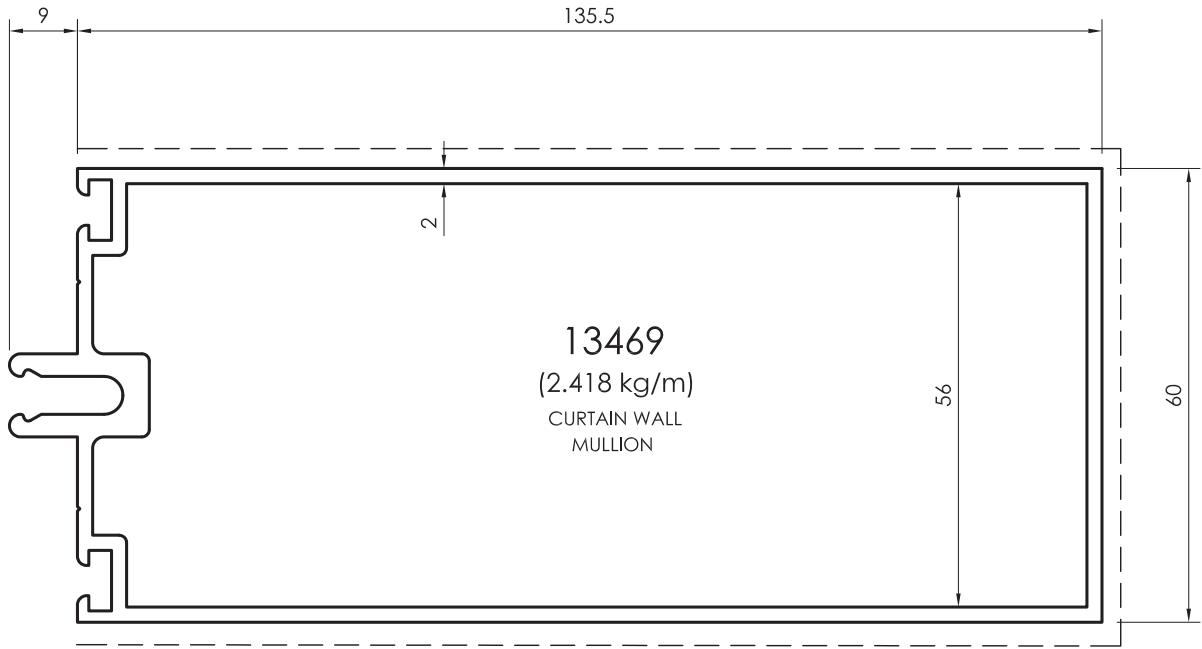
All dimensions in mm
Visible area_-----

Mullion / Transom Profiles



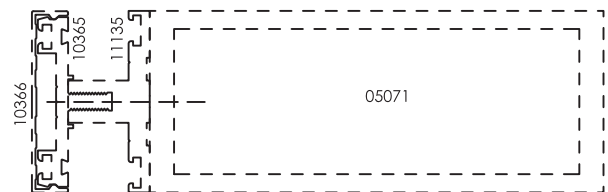
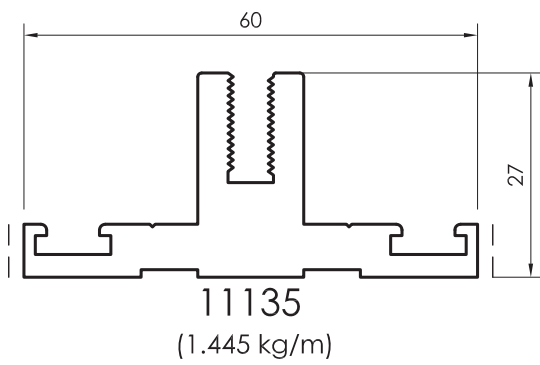
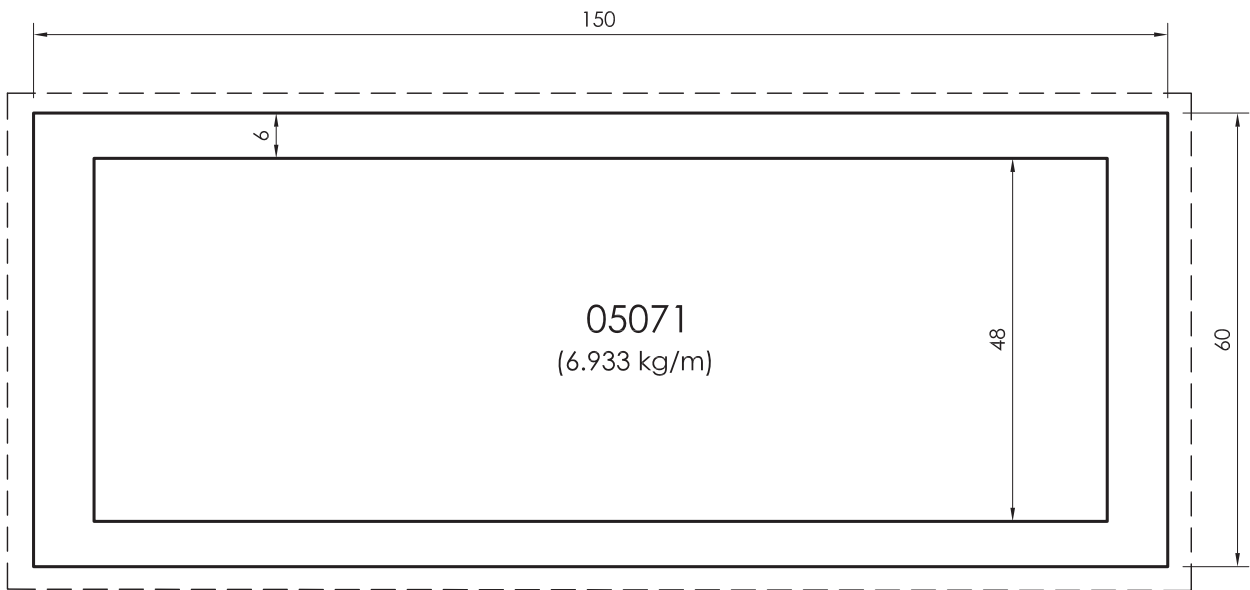
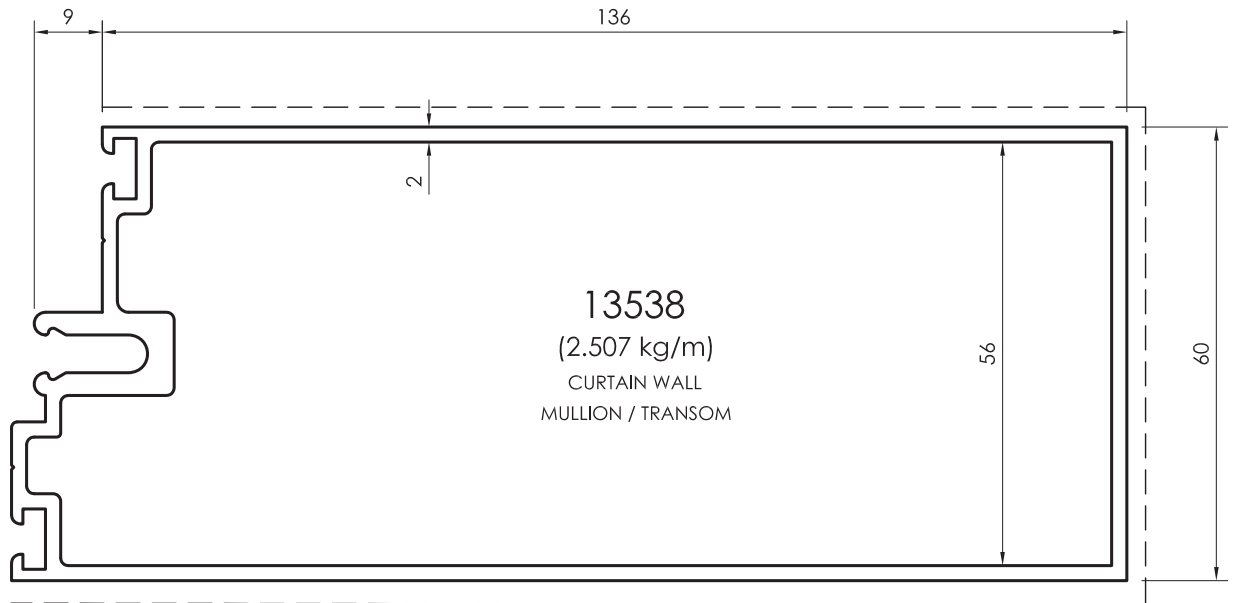
All dimensions in mm
----- Visible area

Mullion / Transom Profiles



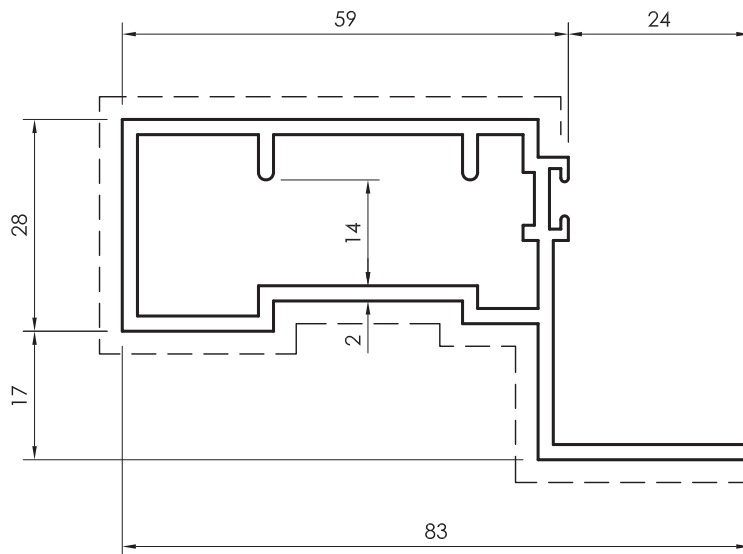
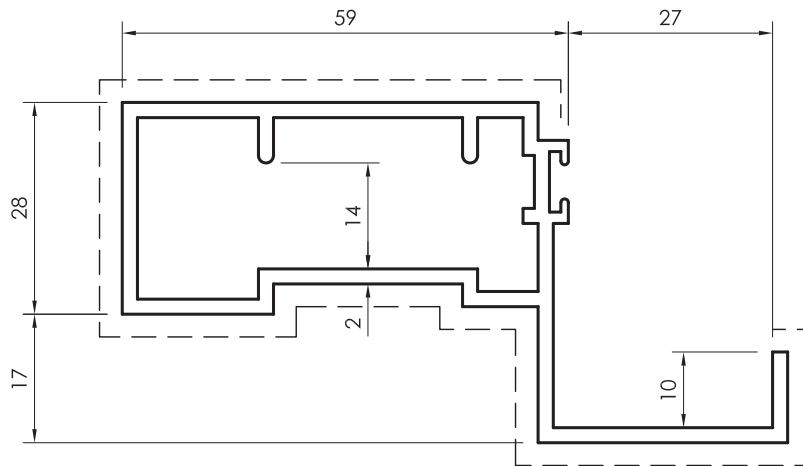
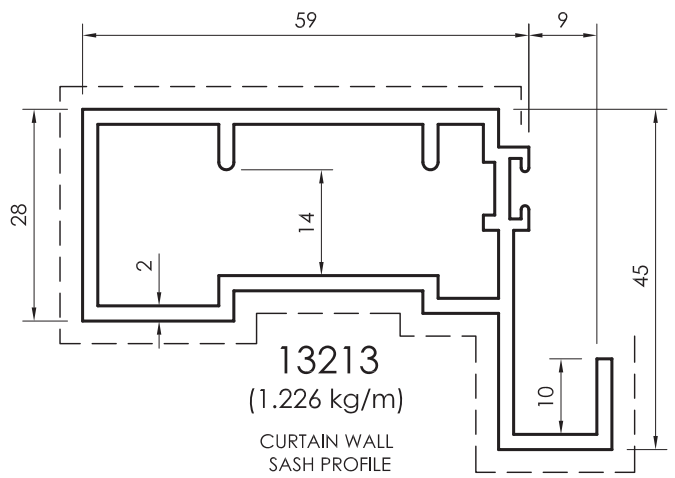
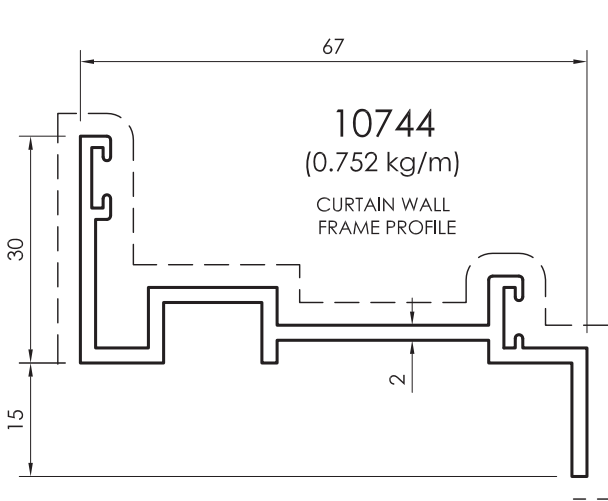
All dimensions in mm
Visible area_-----

Mullion / Transom Profiles



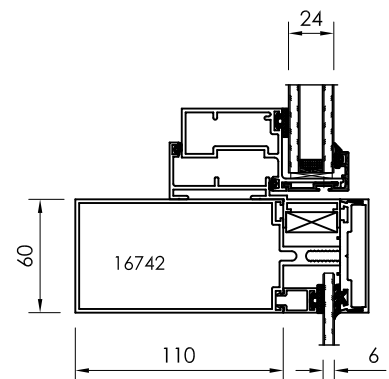
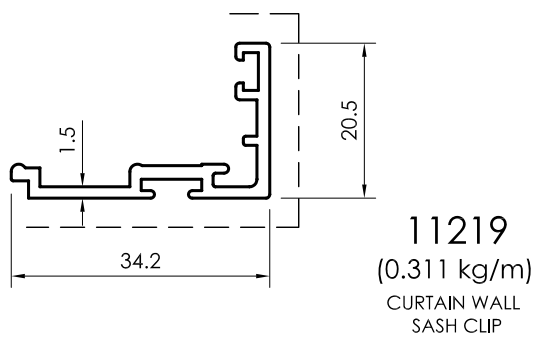
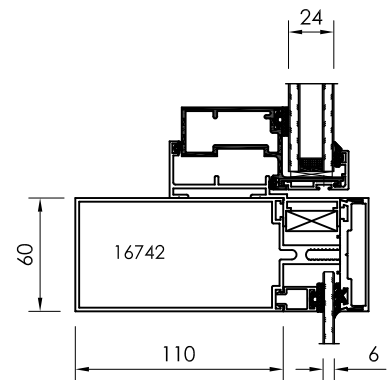
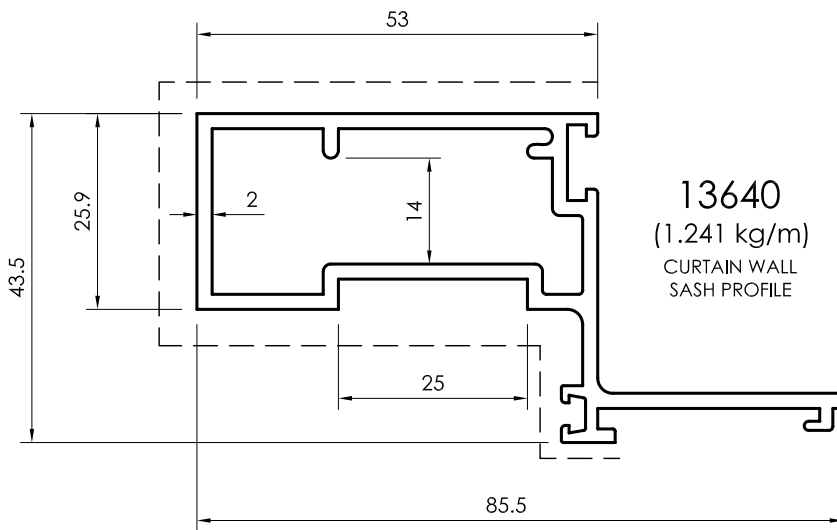
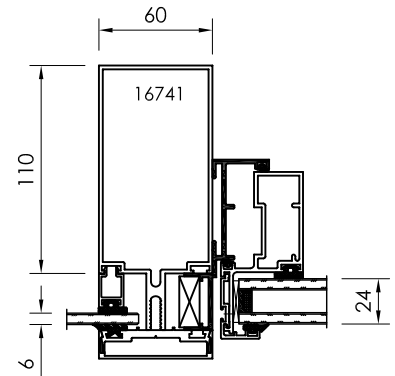
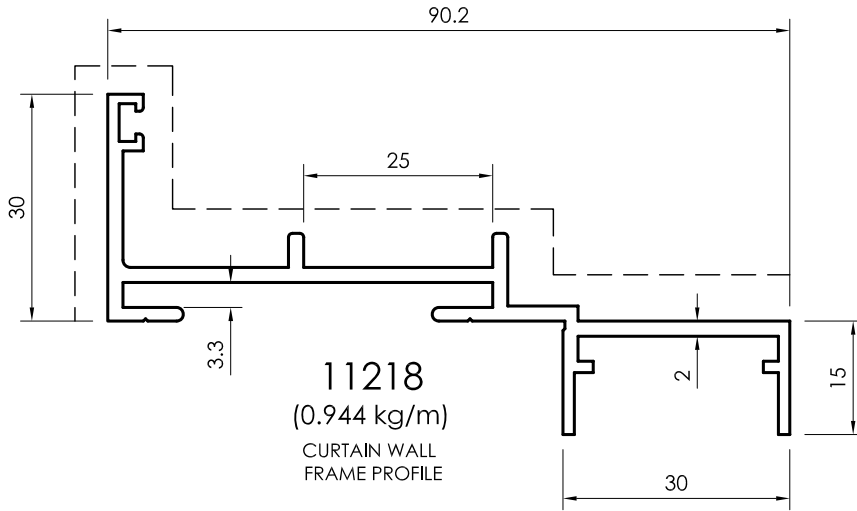
All dimensions in mm
----- Visible area

Frame / Sash Profiles



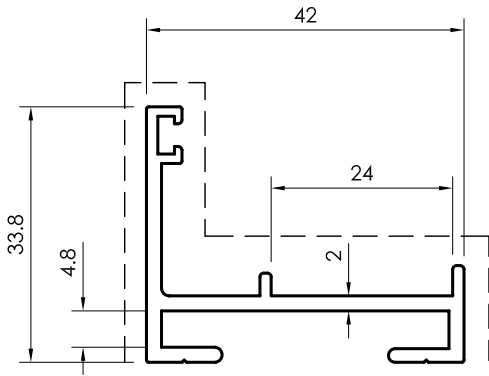
All dimensions in mm
Visible area_____

Frame / Sash Profiles

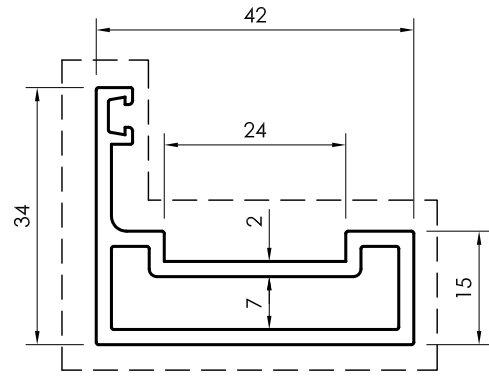


All dimensions in mm
----- Visible area

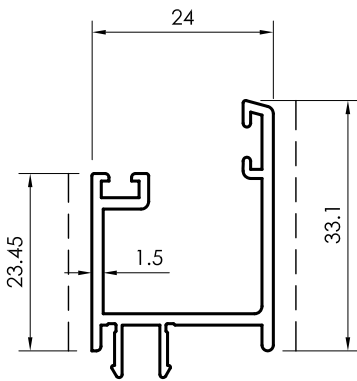
Frame / Sash Profiles



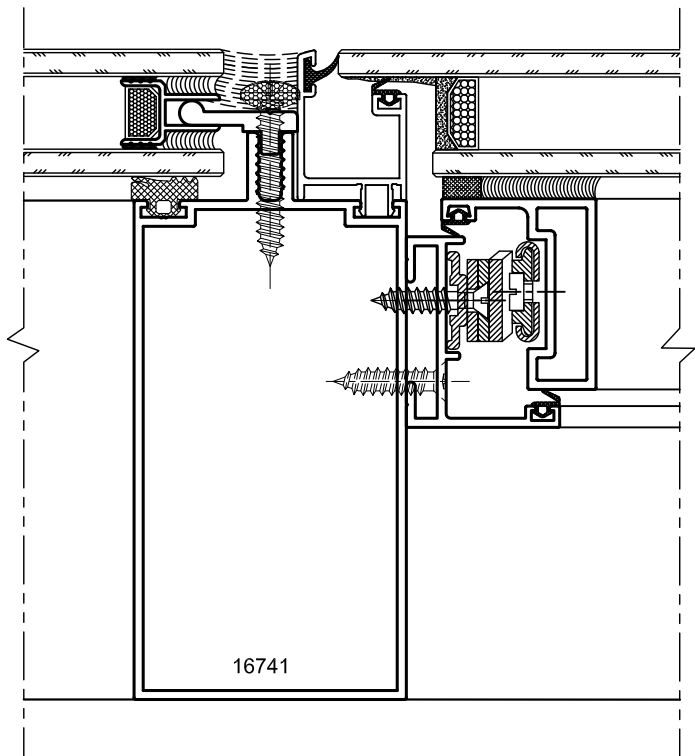
22405
(0.560 kg/m)
CURTAIN WALL
FRAME PROFILE



15907
(0.740 kg/m)
CURTAIN WALL
SASH PROFILE

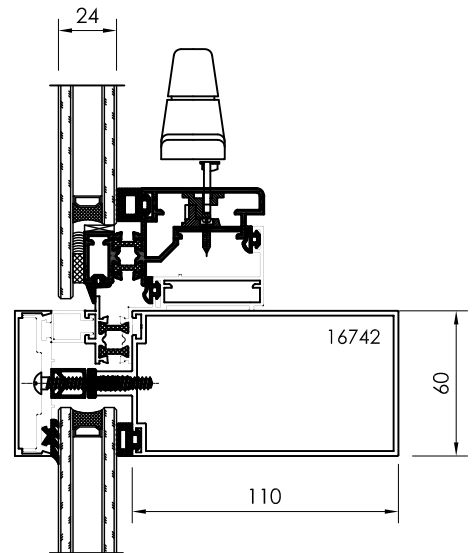
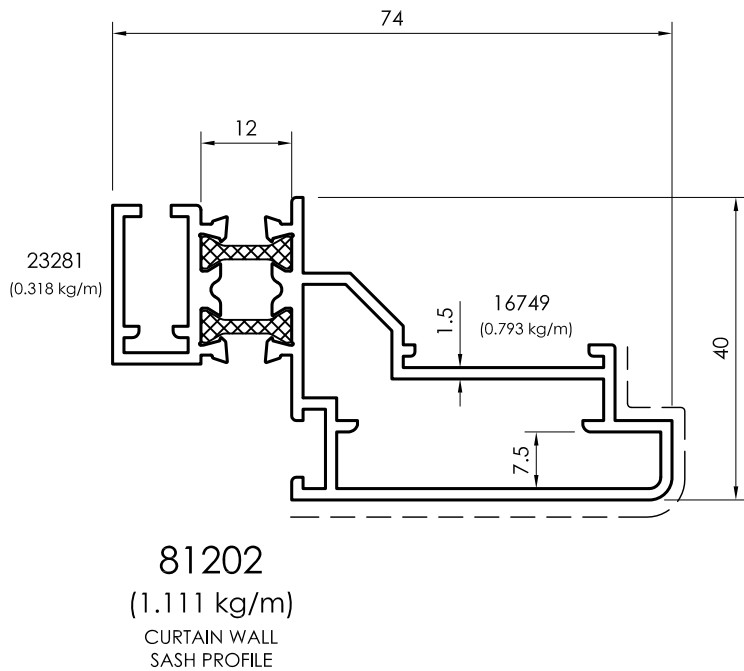
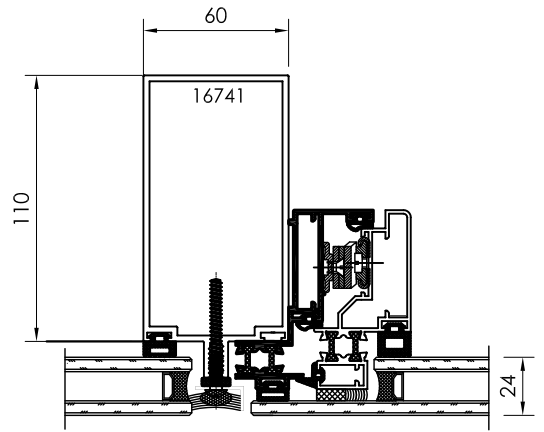
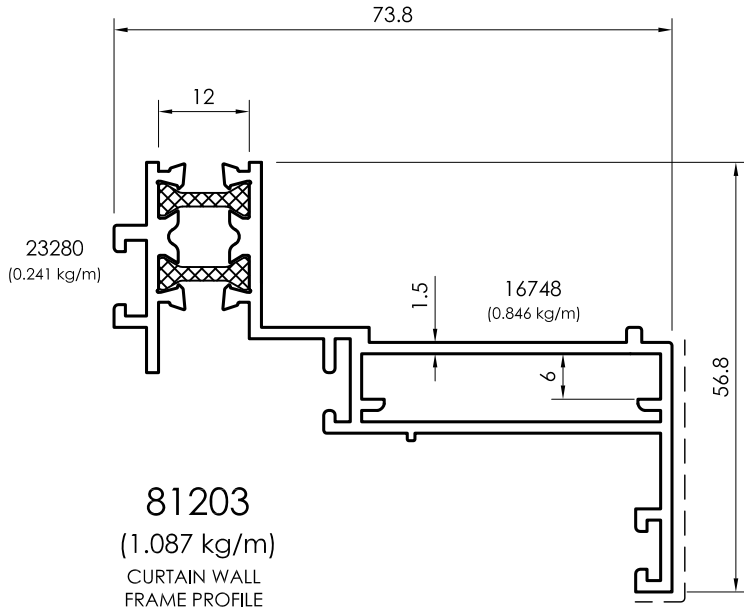


24373
(0.407 kg/m)
GLAZING CLIP



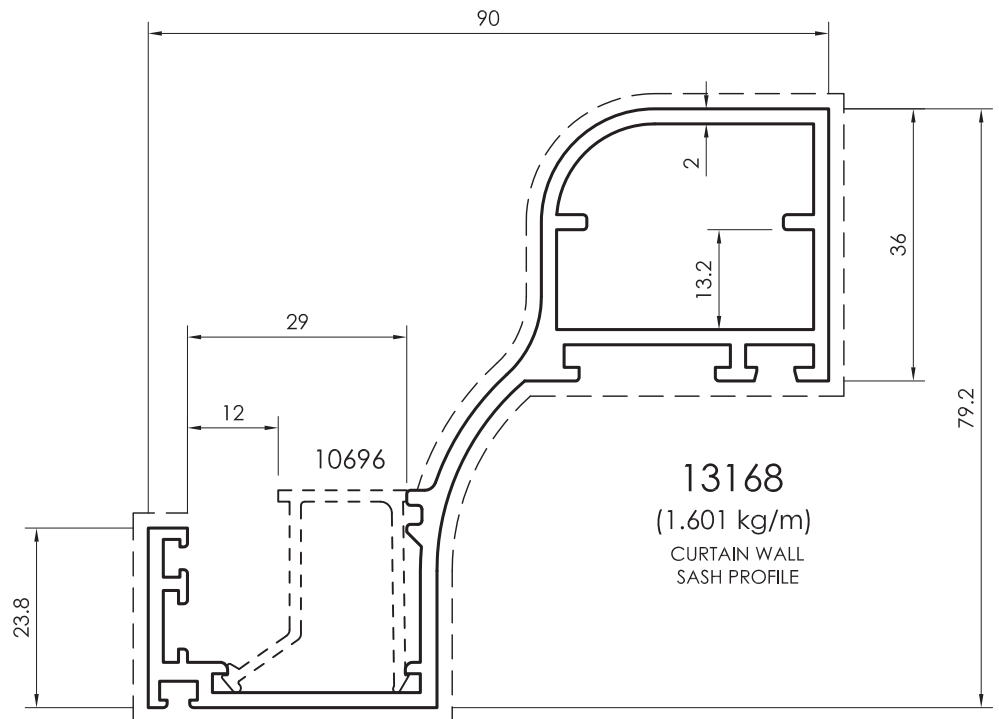
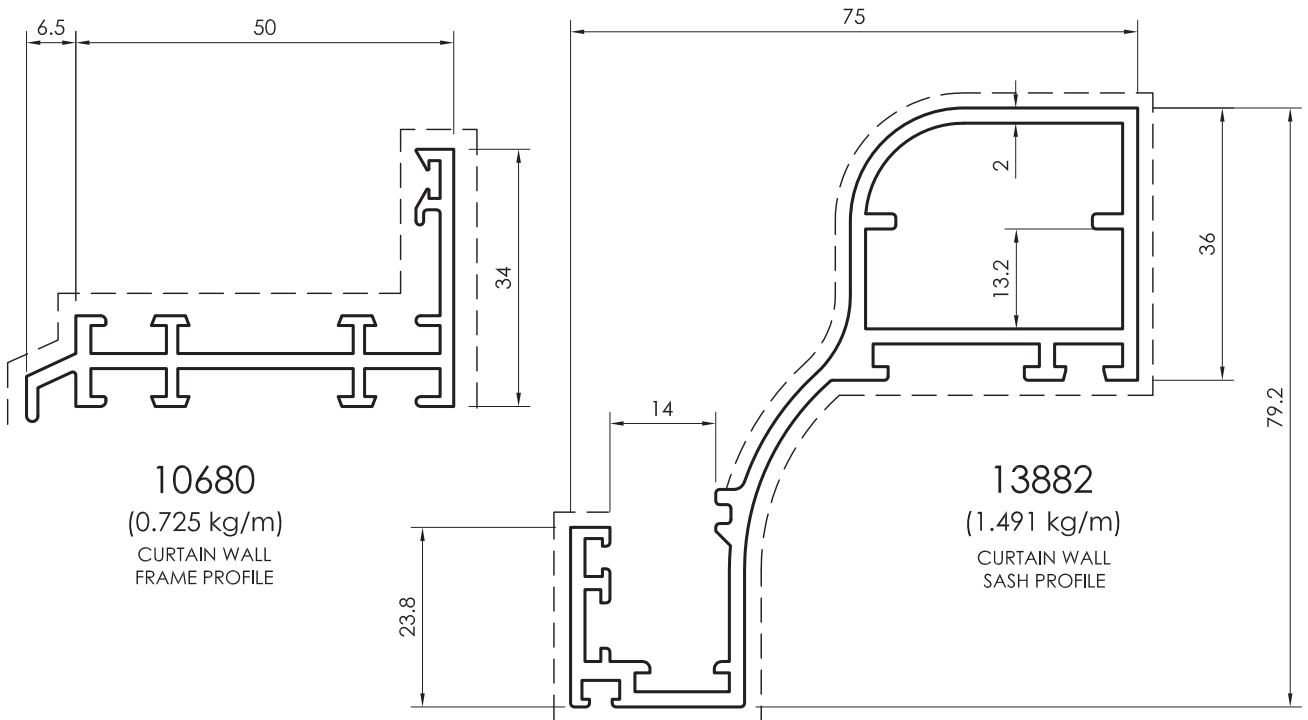
All dimensions in mm
Visible area_-----

Frame / Sash Profiles



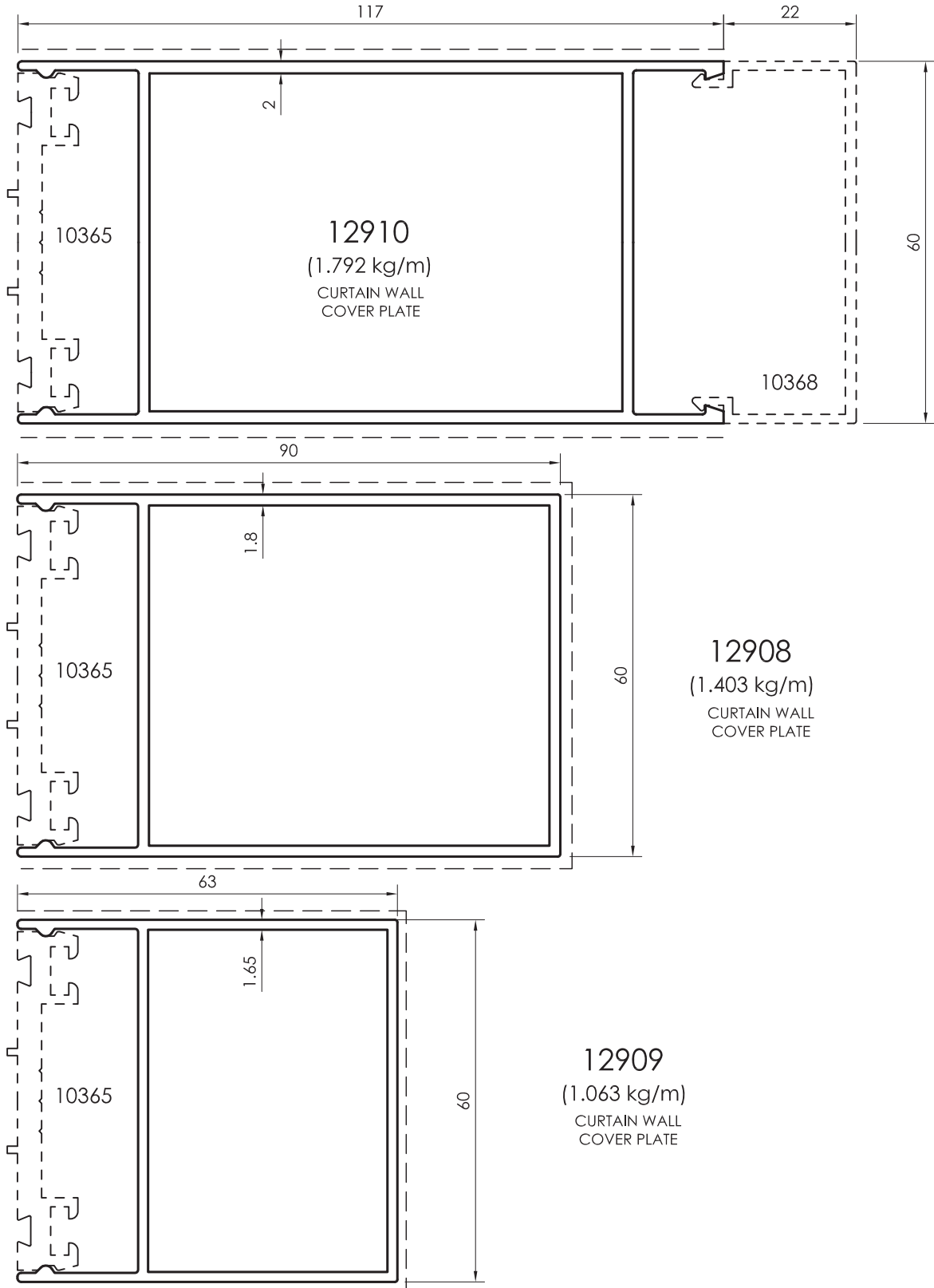
All dimensions in mm
----- Visible area

Frame / Sash Profiles



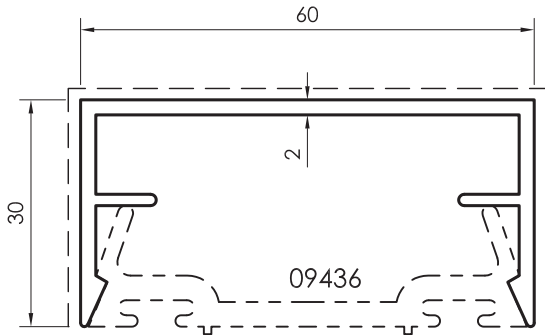
All dimensions in mm
Visible area_-----

Complementary Profiles

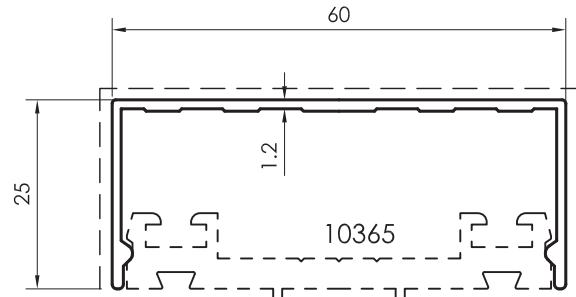


All dimensions in mm
 - - - - - Visible area

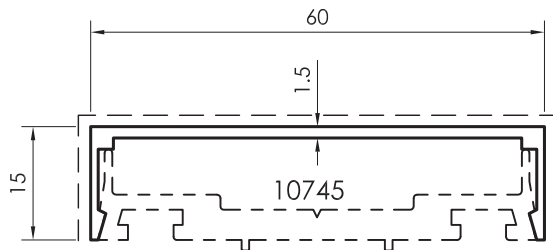
Complementary Profiles



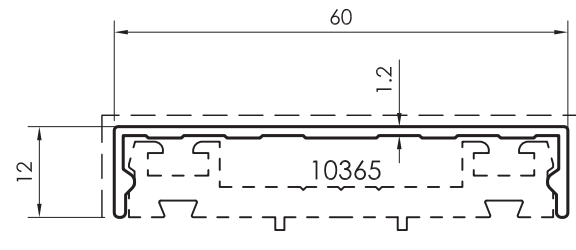
09437
(0.705 kg/m)
CURTAIN WALL
COVER PLATE



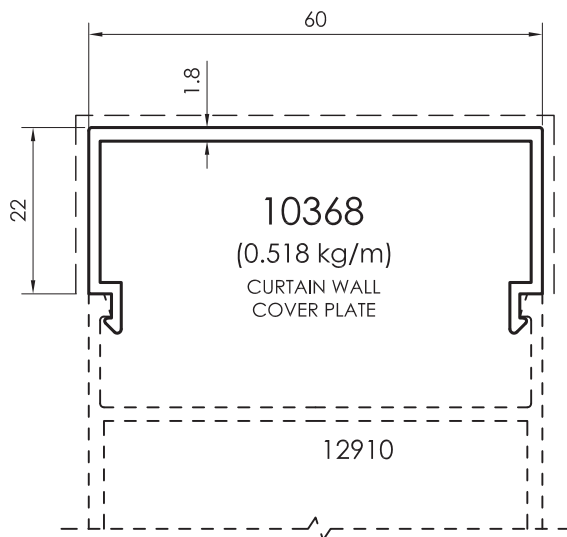
10809
(0.394 kg/m)
CURTAIN WALL
COVER PLATE



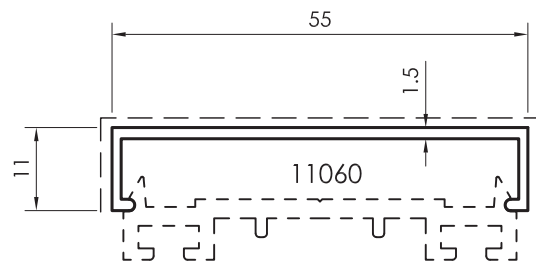
10746
(0.370 kg/m)
CURTAIN WALL
COVER PLATE



10366
(0.310 kg/m)
CURTAIN WALL
COVER PLATE



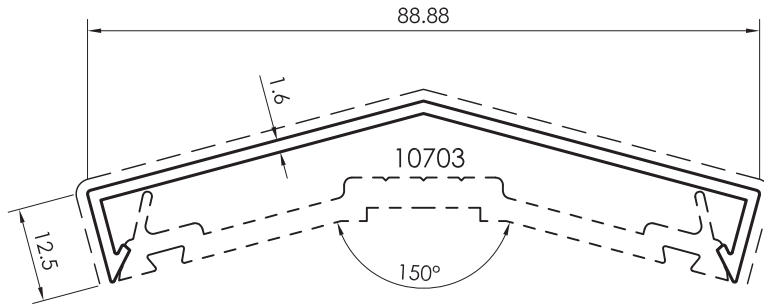
10368
(0.518 kg/m)
CURTAIN WALL
COVER PLATE



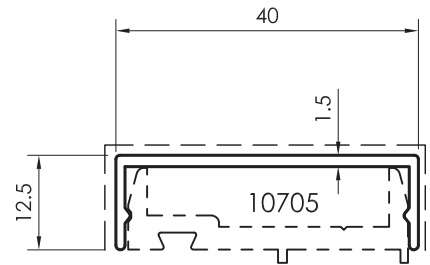
11061
(0.298 kg/m)
CURTAIN WALL
COVER PLATE

All dimensions in mm
Visible area_-----

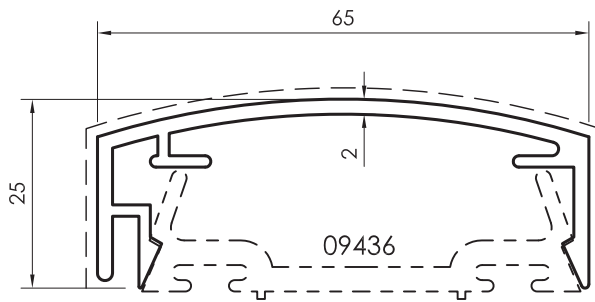
Complementary Profiles



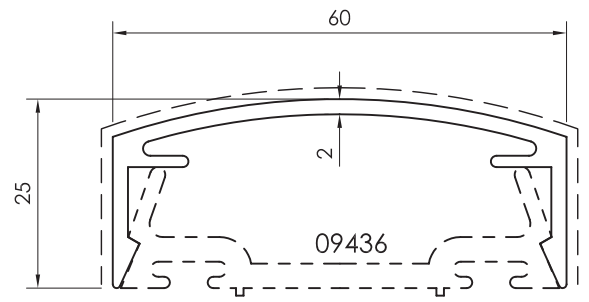
10704
(0.497 kg/m)
CURTAIN WALL
COVER PLATE



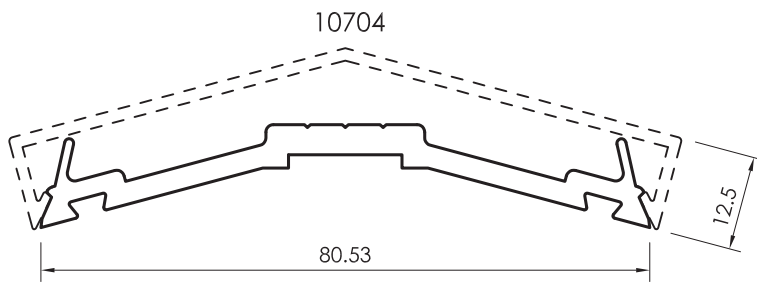
10706
(0.237 kg/m)
CURTAIN WALL
COVER PLATE



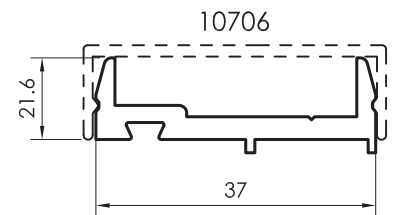
09438
(0.700 kg/m)
CURTAIN WALL
COVER PLATE



09439
(0.617 kg/m)
CURTAIN WALL
COVER PLATE



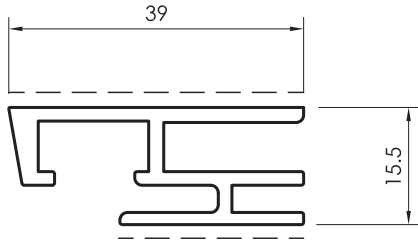
10703
(0.832 kg/m)
CURTAIN WALL
PRESSURE PLATE



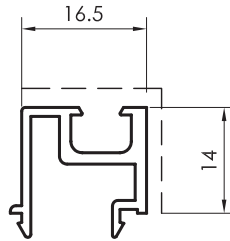
10705
(0.406 kg/m)
CURTAIN WALL
PRESSURE PLATE

All dimensions in mm
----- Visible area

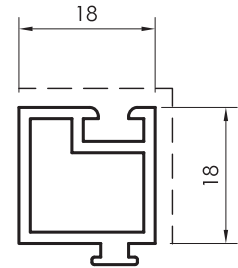
Complementary Profiles



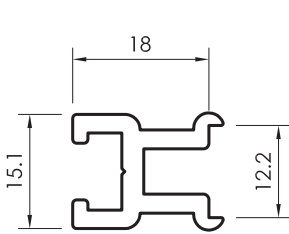
11956
(0.541 kg/m)
GLASS SPACER



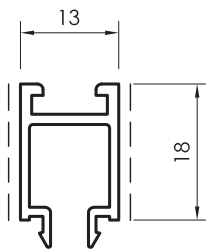
11059
(0.229 kg/m)
CLIP PROFILE



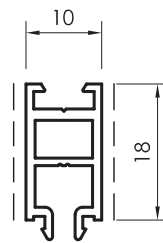
13279
(0.334 kg/m)
CLIP PROFILE



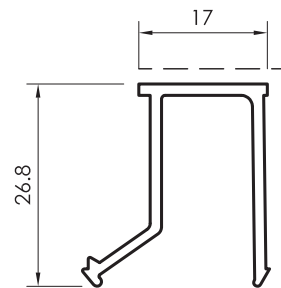
11472
(0.365 kg/m)
ADAPTOR PROFILE



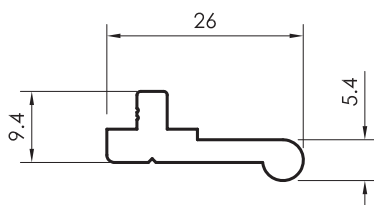
10529
(0.213 kg/m)
CLIP PROFILE



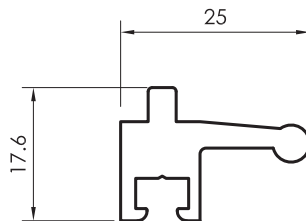
13953
(0.201 kg/m)
CLIP PROFILE



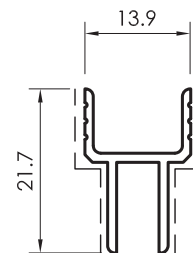
10696
(0.290 kg/m)
GLAZING BEAD



21074
(0.331 kg/m)
GLASS TOGGLER



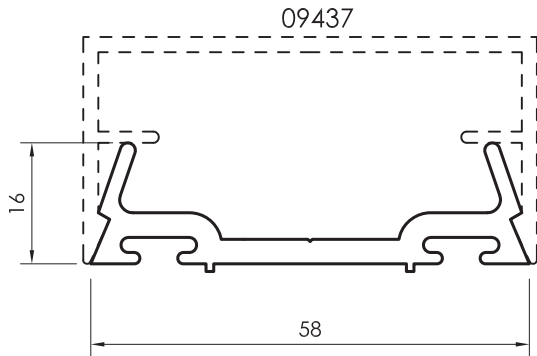
11434
(0.454 kg/m)
GLASS TOGGLER



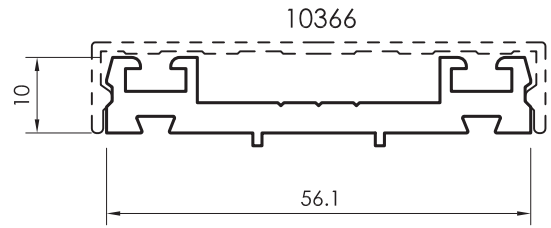
21073
(0.167 kg/m)
GLASS SPACER

All dimensions in mm
Visible area_-----

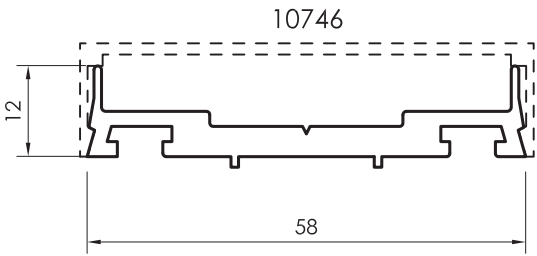
Complementary Profiles



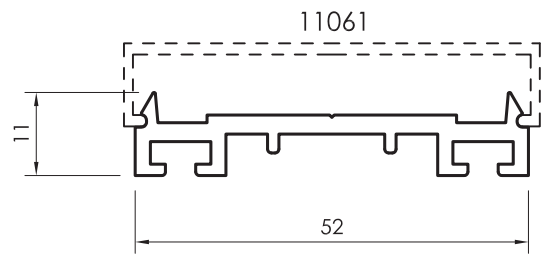
09436
(0.756 kg/m)
CURTAIN WALL
PRESSURE PLATE



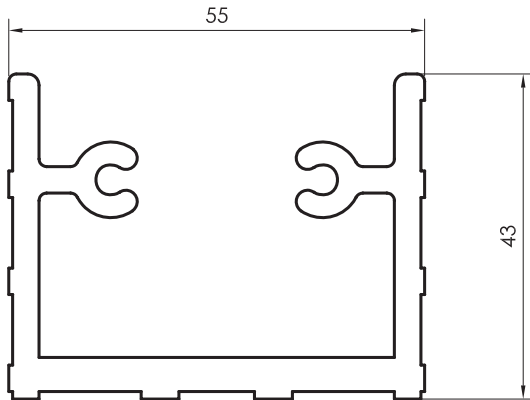
10365
(0.771 kg/m)
CURTAIN WALL
PRESSURE PLATE



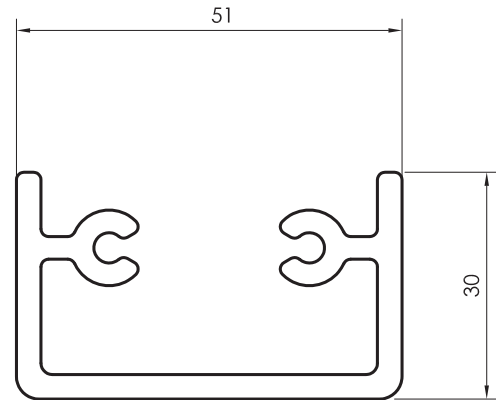
10745
(0.605 kg/m)
CURTAIN WALL
PRESSURE PLATE



11060
(0.537 kg/m)
CURTAIN WALL
PRESSURE PLATE



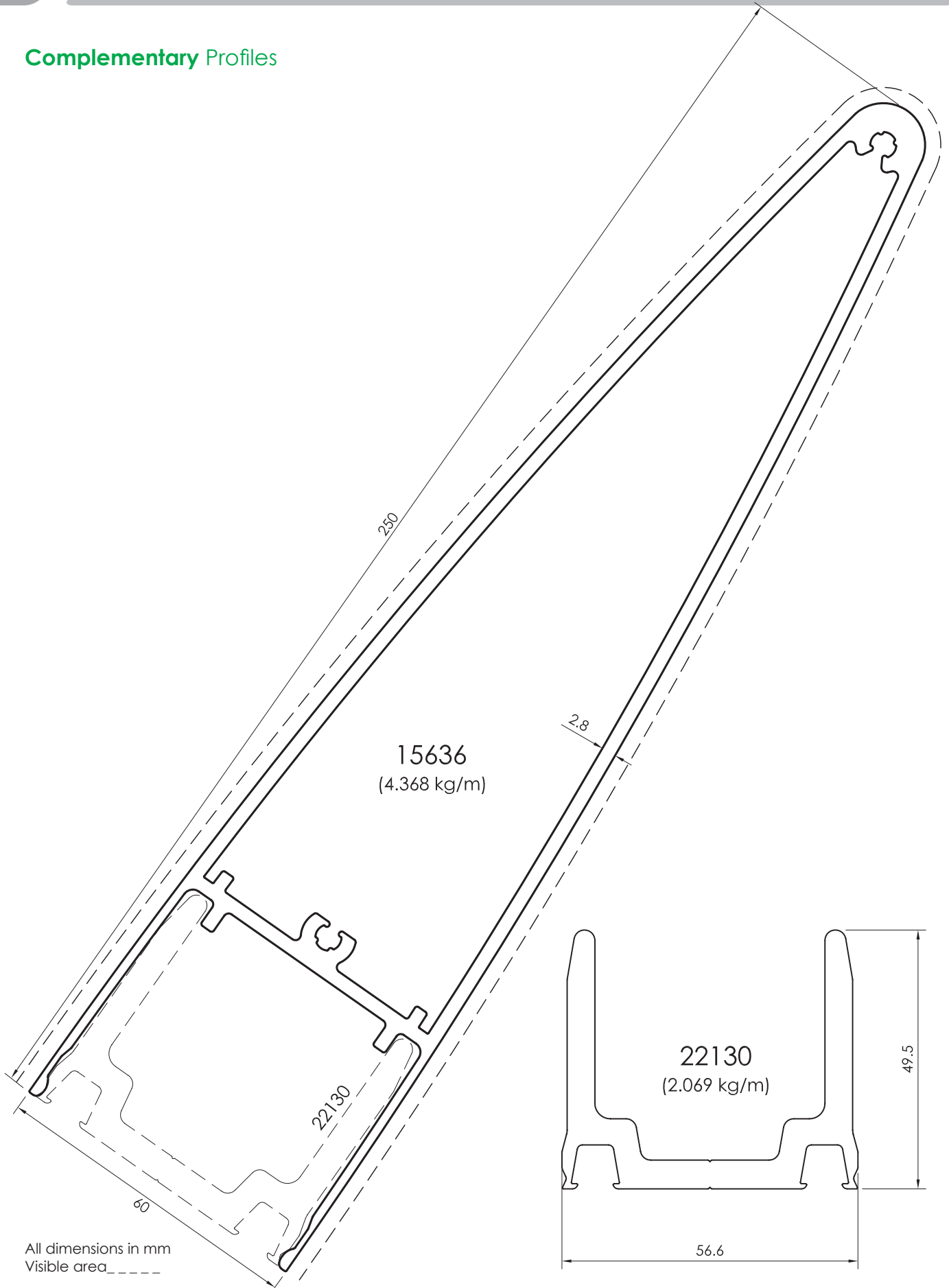
10164
(1.820 kg/m)
CURTAIN WALL
CONNECTOR



11184
(1.268 kg/m)
CURTAIN WALL
CONNECTOR

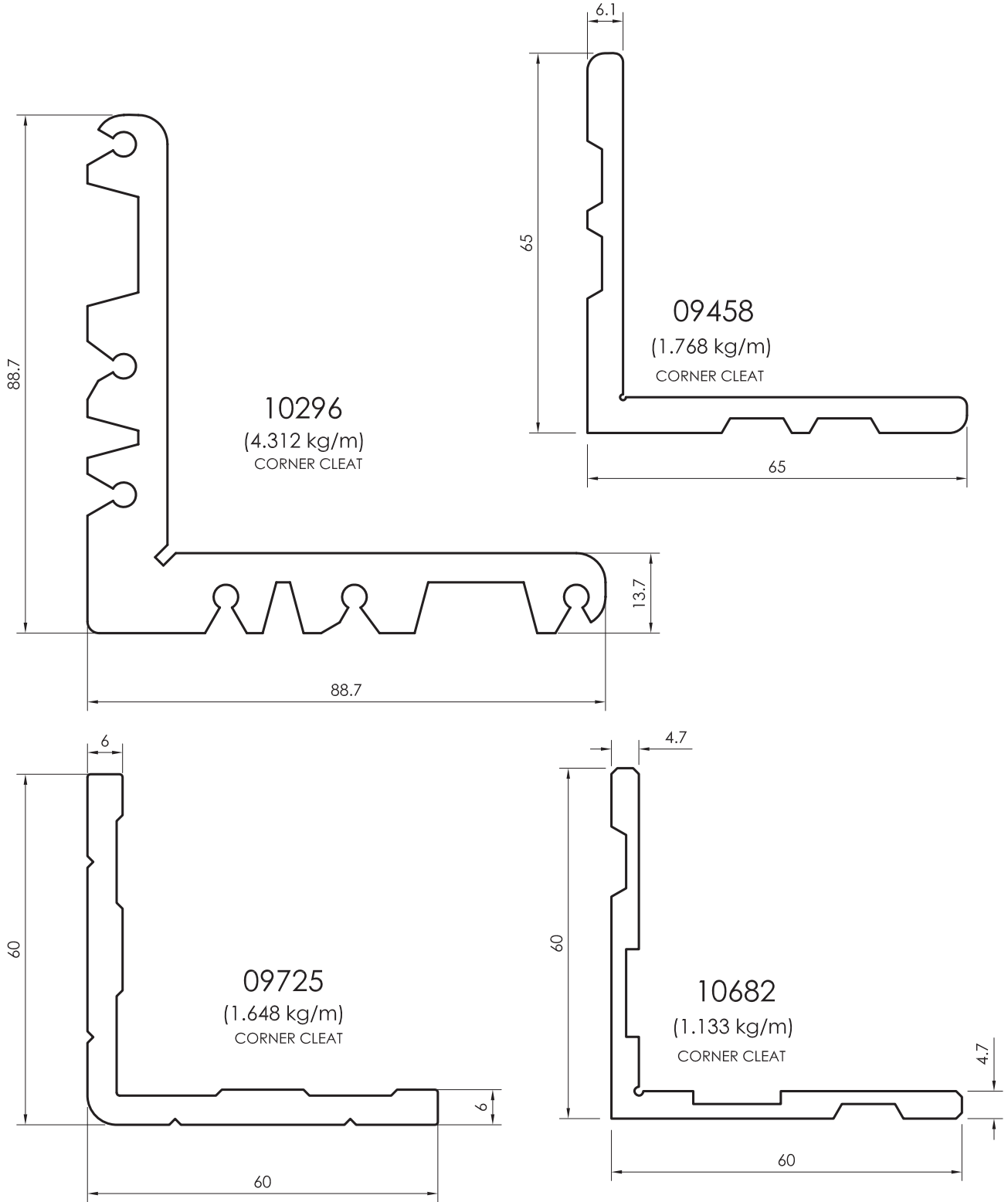
All dimensions in mm
----- Visible area

Complementary Profiles



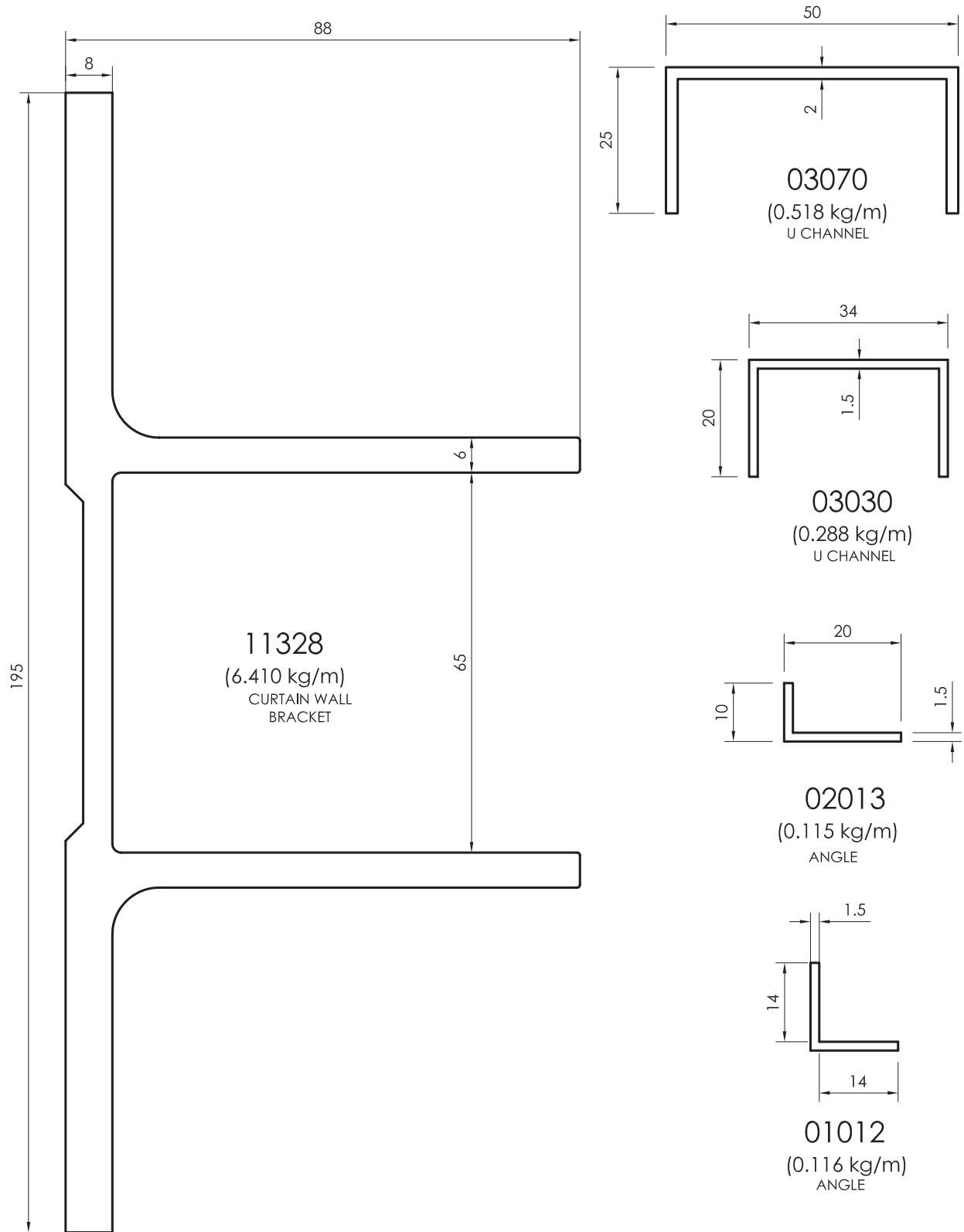
All dimensions in mm
Visible area - - - -

Complementary Profiles



All dimensions in mm
 - - - - - Visible area

Complementary Profiles

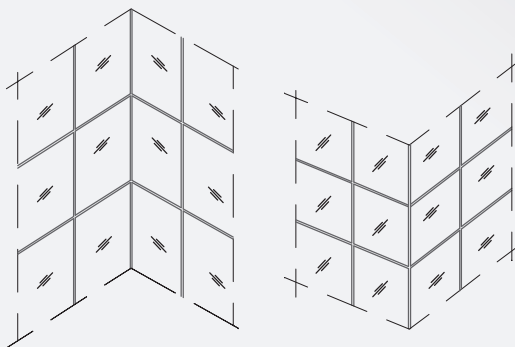
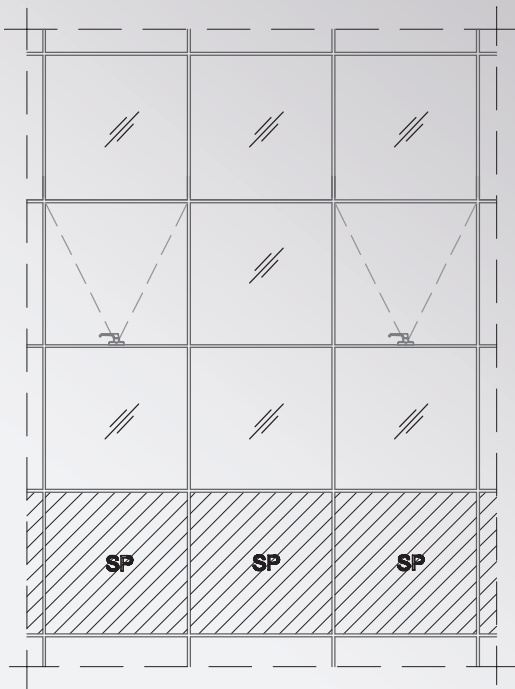
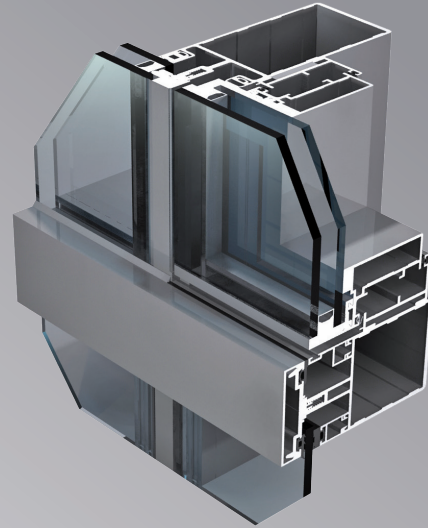


All dimensions in mm
Visible area_-----

VORTEX 61.5mm

- Features Glass - 4mm to 28mm
- Alloys - 6063 / 6060/ 6061 / 6082
- System Performance:
 - Vortex 61.5mm has been tested at Al-Futtaim bodycote

Air Infiltration	ASTM E283-04
Water Penetration	ASTM E331-00
Wind Resistance	ASTM E330-02 (Serviceability)
Wind Resistance	ASTM E330-02 (Safety)
- The System consists of 61.5mm width
- The System can provide the possibility of large glass Panels
- The System can be used for Two way, Four way & Conventional
- The Frame and Sash in the system can be thermal or non thermal
- Casements are Italian openings
- EPDM Gaskets
- Finishes:
 - Powder Coates
 - Anodizing
 - According to Shades available in Gulf Extrusions



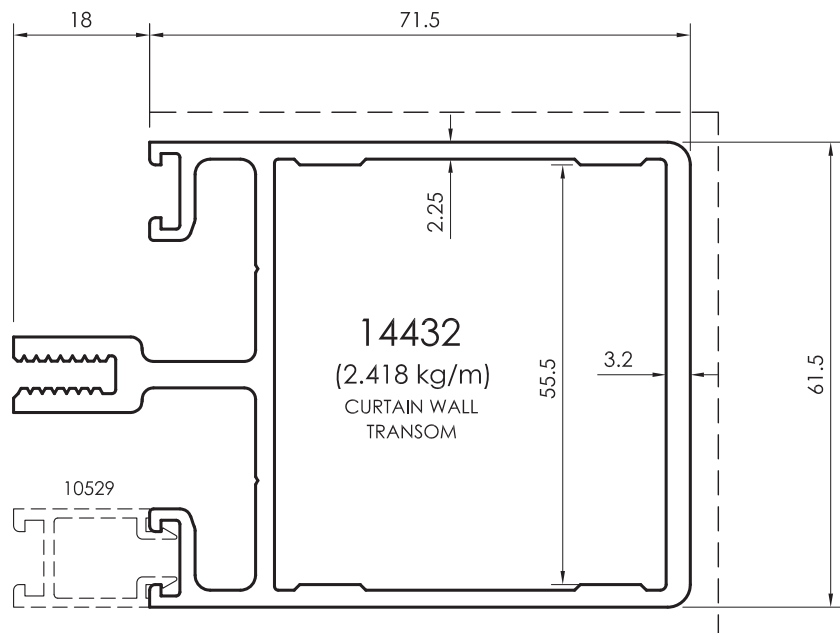
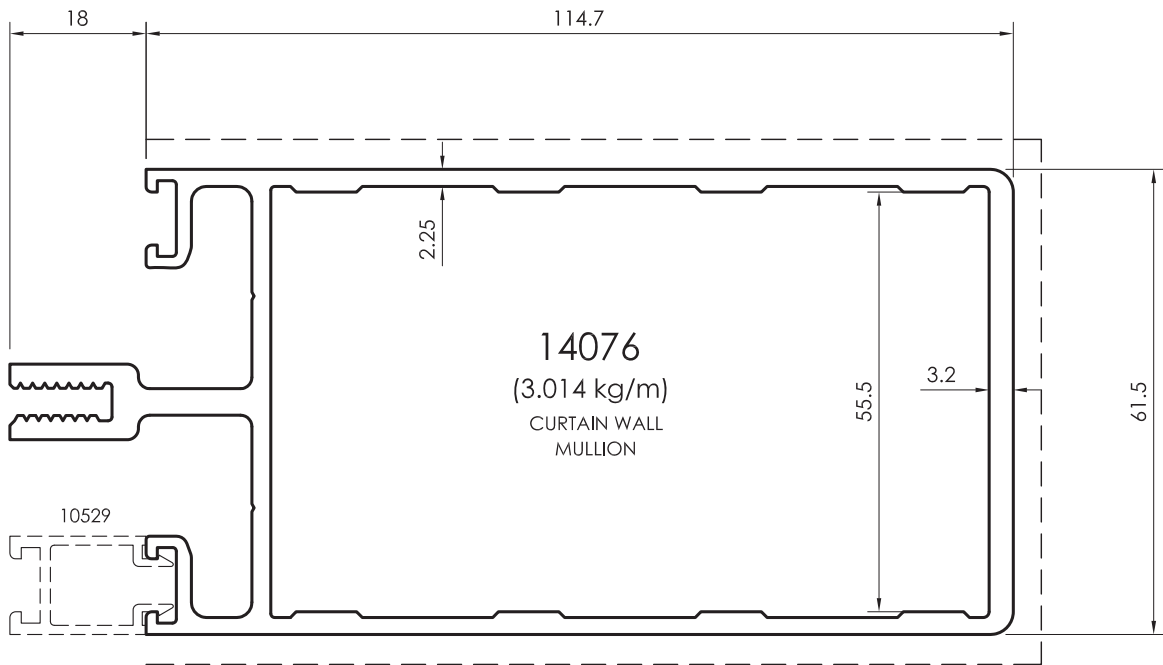
Vortex 61.5 is a unique curtain wall structure that combines multi-structural grid to create various aspects, starting by the conventional curtain wall system passing through the two way horizontal capping curtain wall systems to the four way structural curtain wall systems. Vortex 61.5 has proven to be a curtain wall solution perfectly tailored to the Middle East market requirement.

FEATURES:

The "Vortex 61.5" system consists of 61.5mm width structure components allowing several external appearances. It is fast to manufacture and to install. With the wide range of profile selection, the system can provide the possibility of large glass panels, maintaining the stiffness and rigidity of the curtain wall structure. Mullions can be reinforced by Aluminium or Steel tubes to enhance the free span area, making it possible for the use in high structures. Special casements for the "Vortex 61.5" system have been developed giving two options of cold and thermally insulated profiles. Casements are Italian openings with selected stay arms to ensure the tightness and stability of the opening.

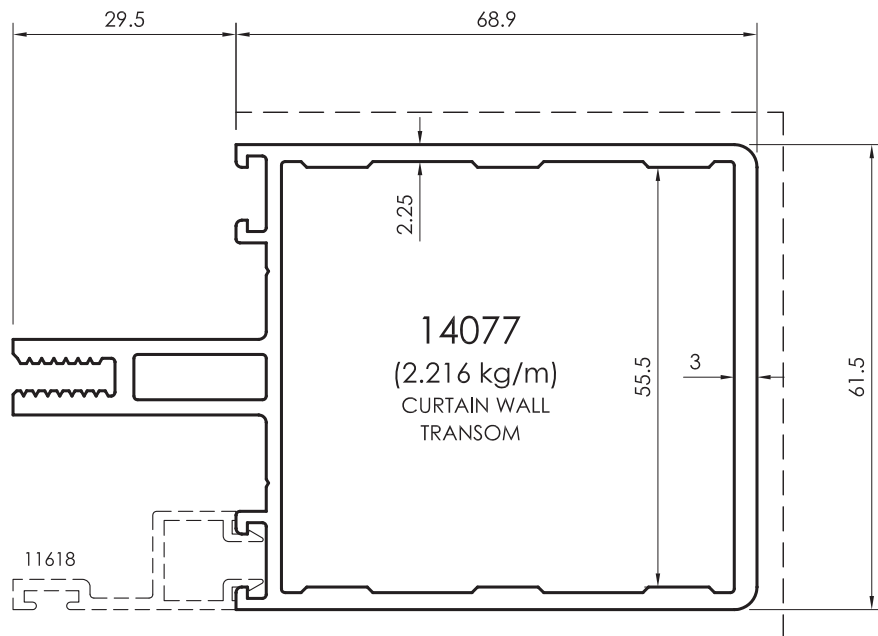
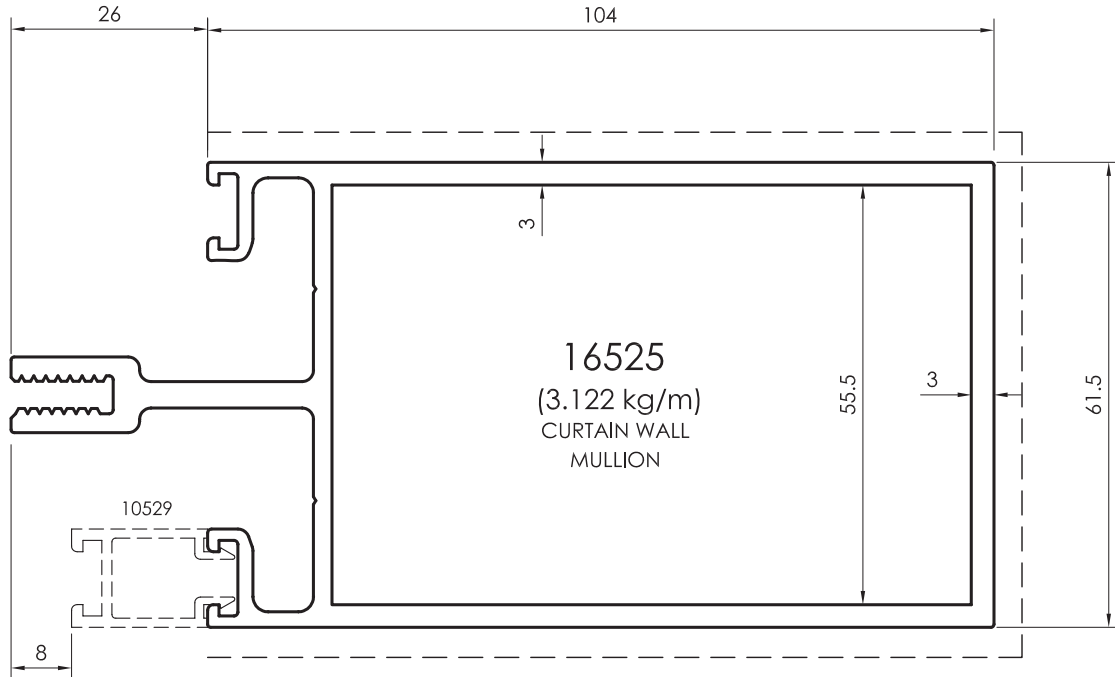
Vortex uses the same structures for multifunctional applications: Four way structural aspects is a curtain wall aspect which conceals the aluminium structure from the outside making it completely invisible. Concealed openings are designed in order to keep the external appearance of the structure uniform even in the presence of the opening. The four way structural applications is obtained by fixing a glass toggle to the glass holding the panel by a specially designed aluminium spacer, well sealed by a structural sealant to ensure the rigidity of panel. The space between glass panels is sealed by a neutral sealant for aesthetic and water tightness purposes; this application is the most common application in the MENA region. Glass thickness range between 6mm – 32mm

Mullion / Transom Profiles



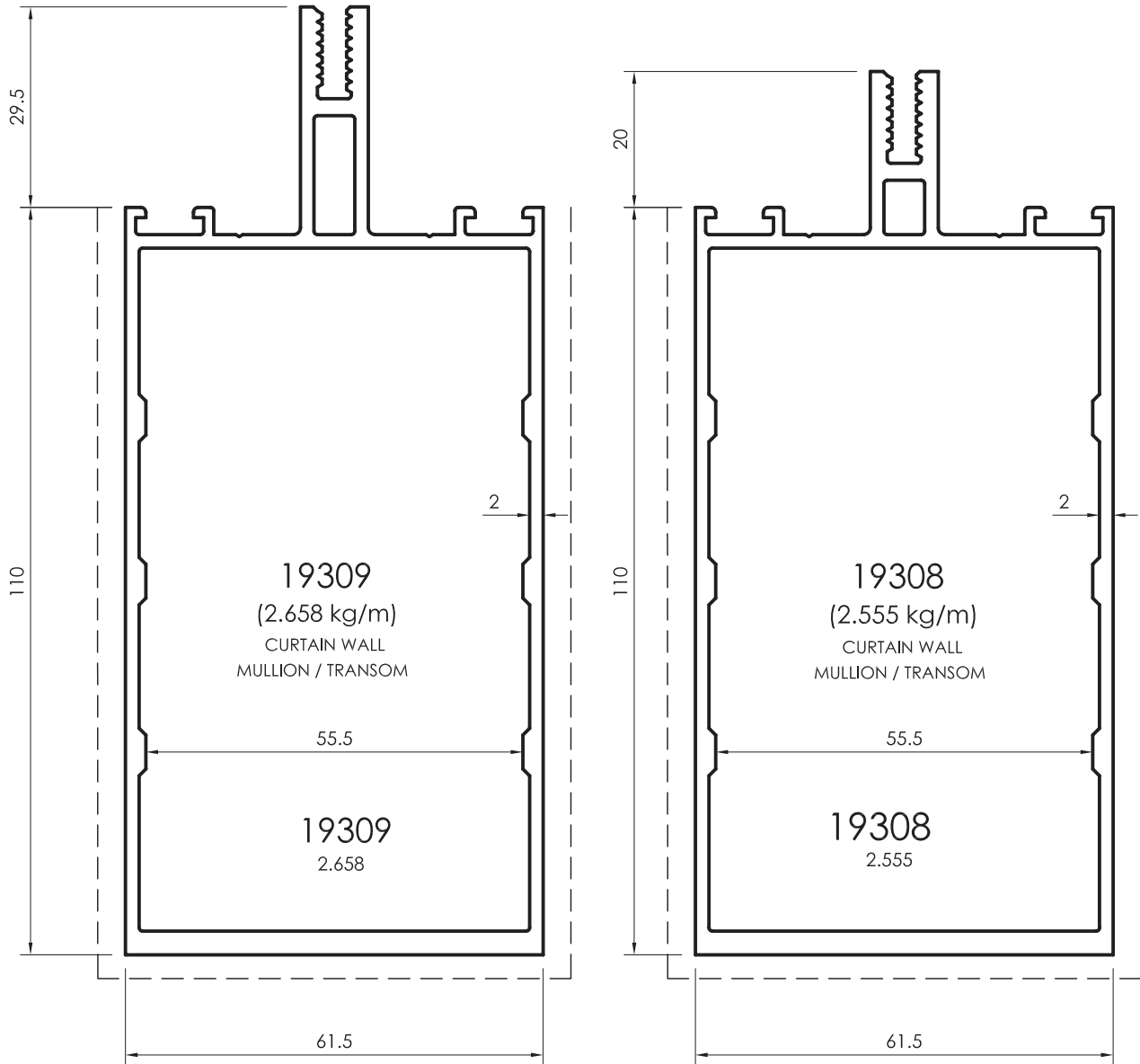
All dimensions in mm
Visible area_-----

Mullion / Transom Profiles



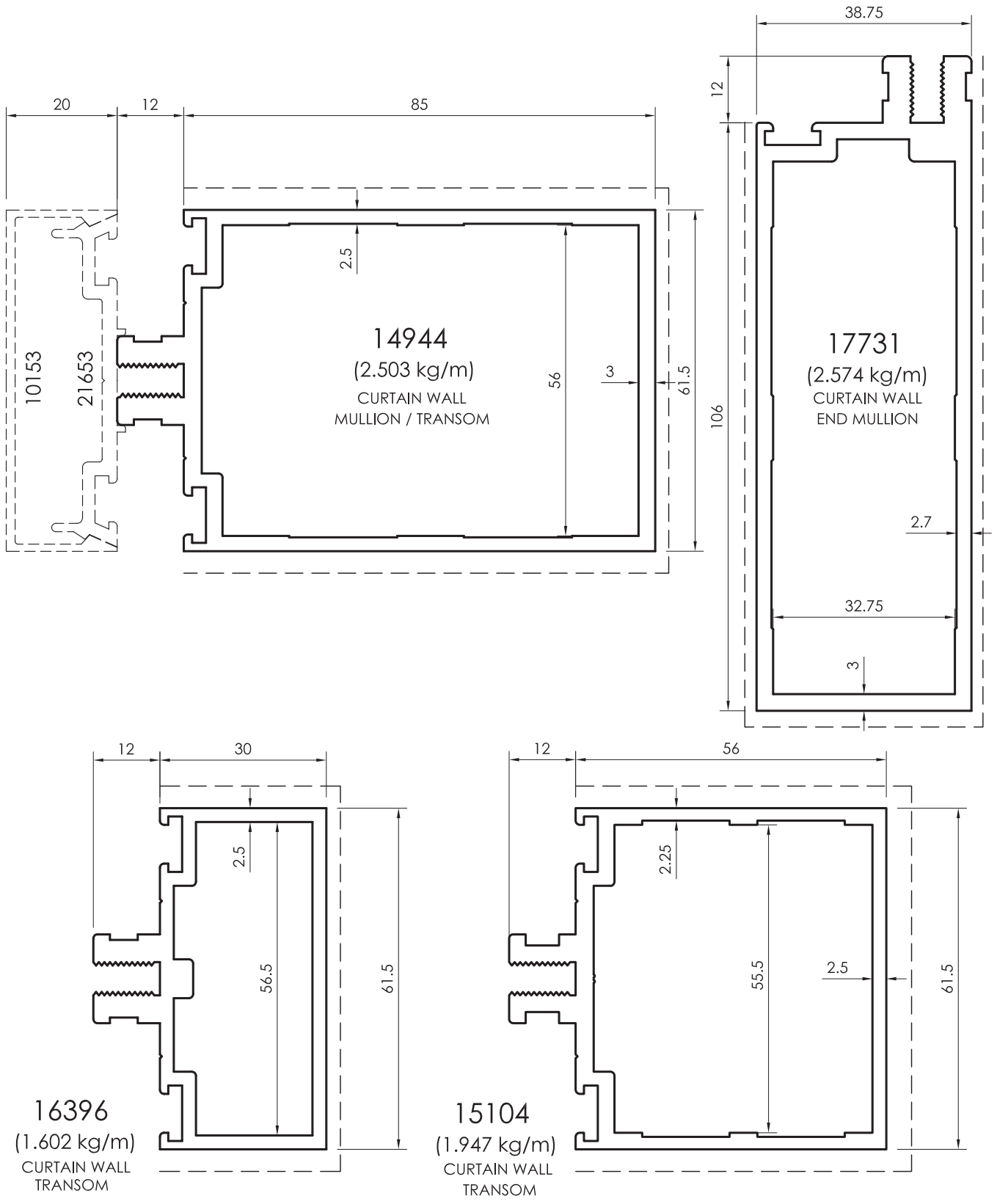
All dimensions in mm
----- Visible area

Mullion / Transom Profiles



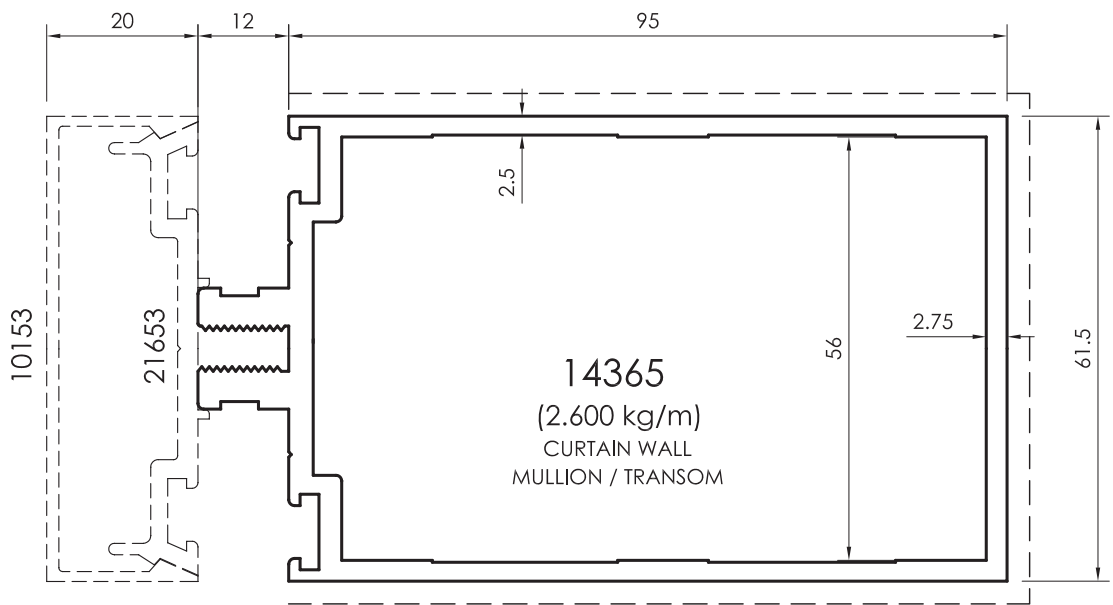
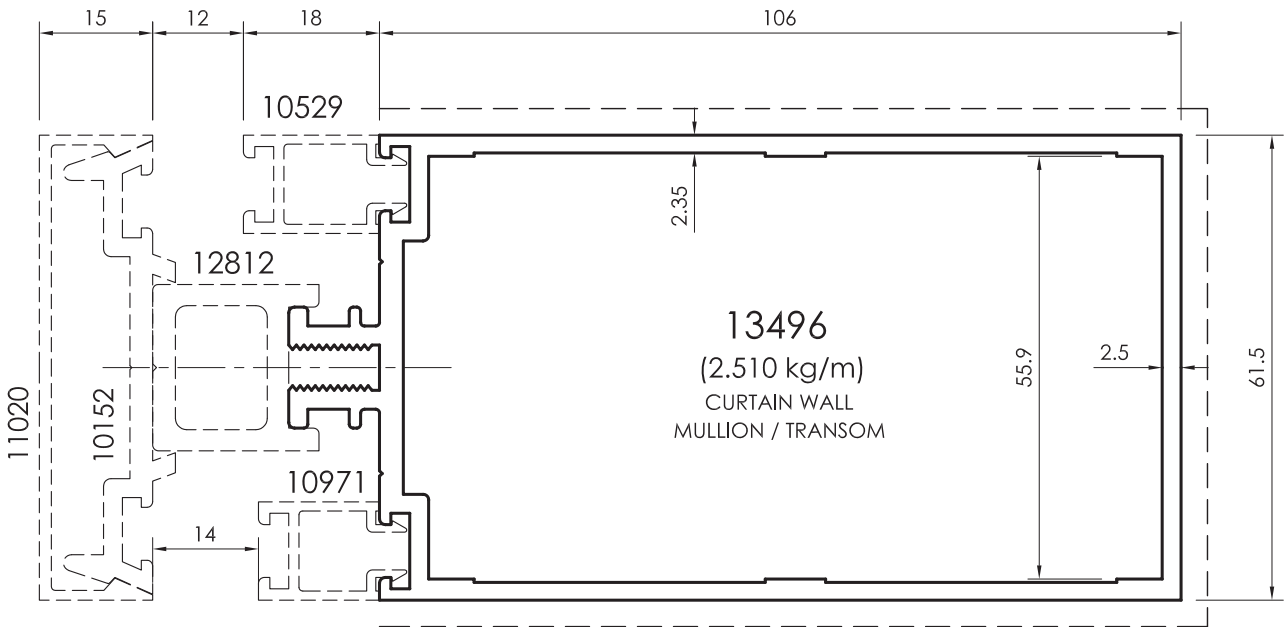
All dimensions in mm
Visible area_-----

Mullion / Transom Profiles



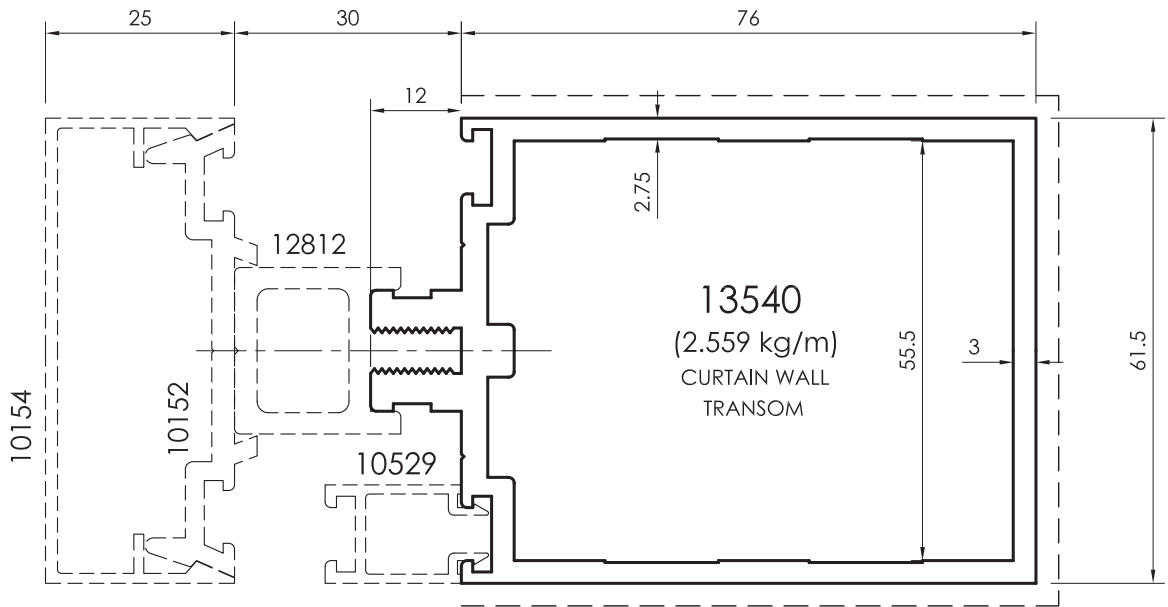
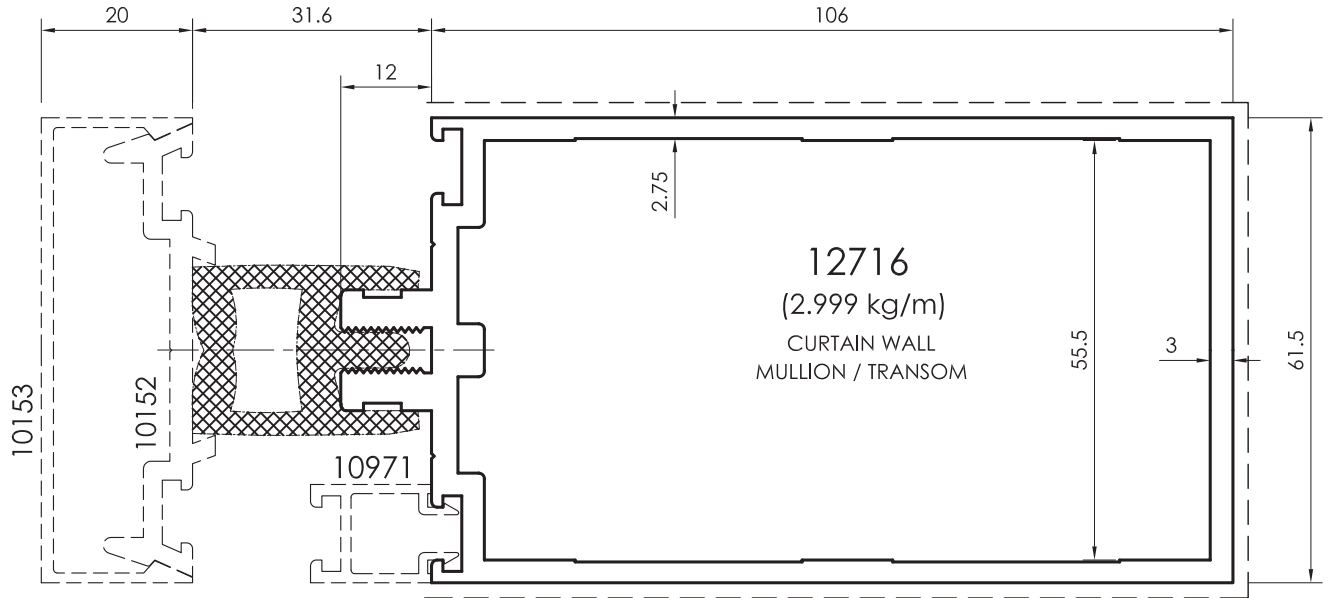
All dimensions in mm
----- Visible area

Mullion / Transom Profiles



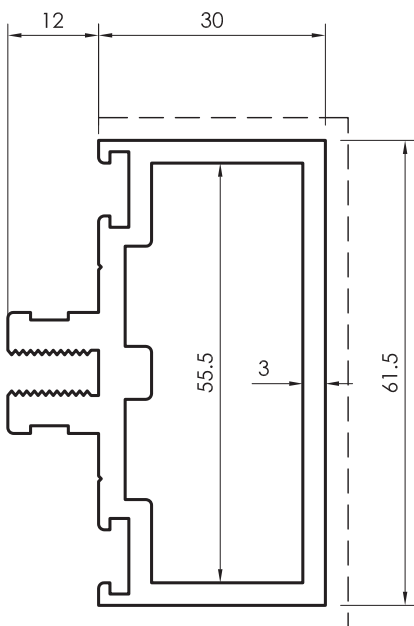
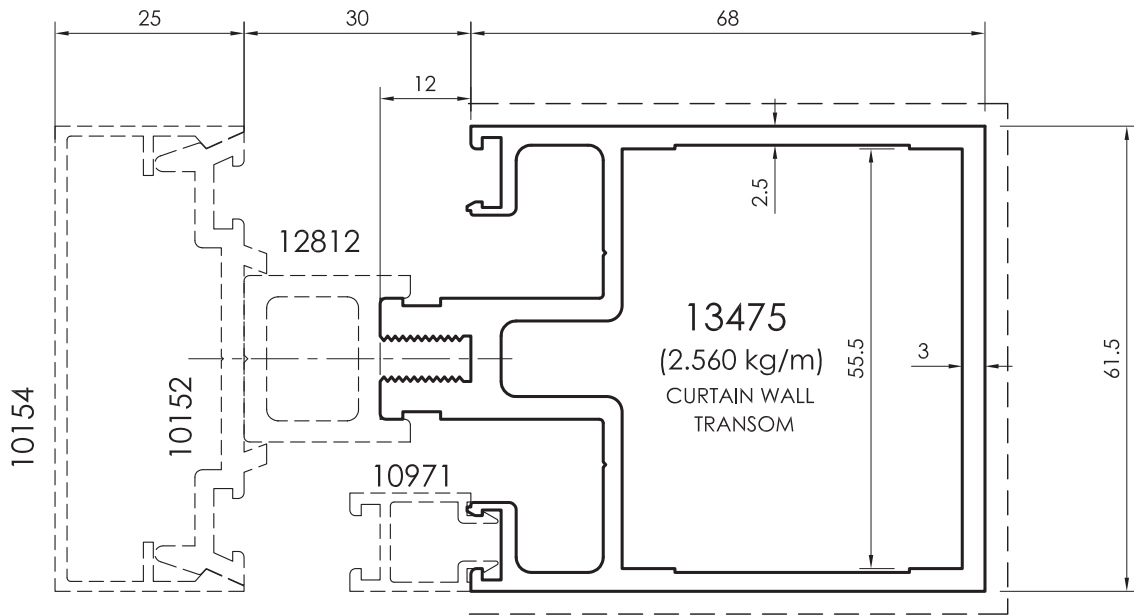
All dimensions in mm
Visible area_-----

Mullion / Transom Profiles

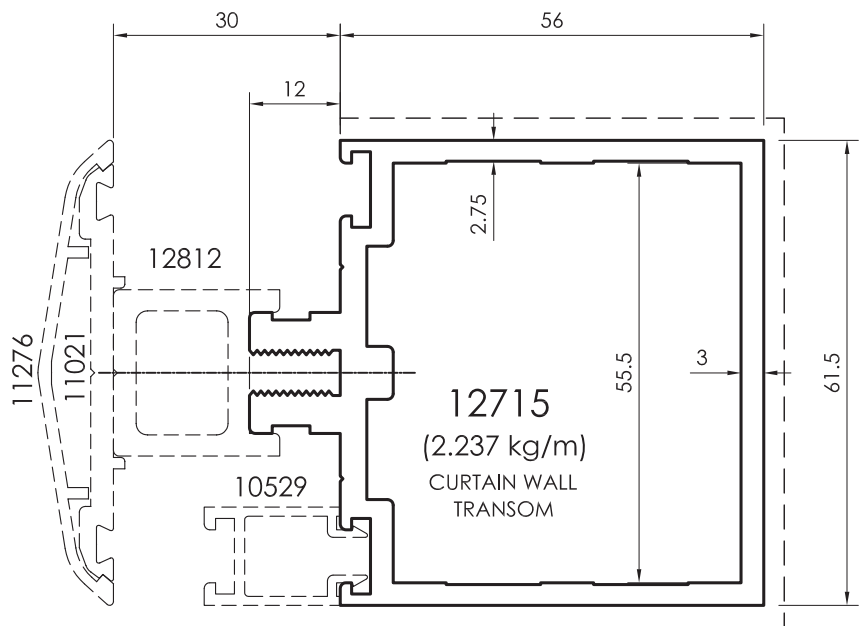


All dimensions in mm
----- Visible area

Mullion / Transom Profiles



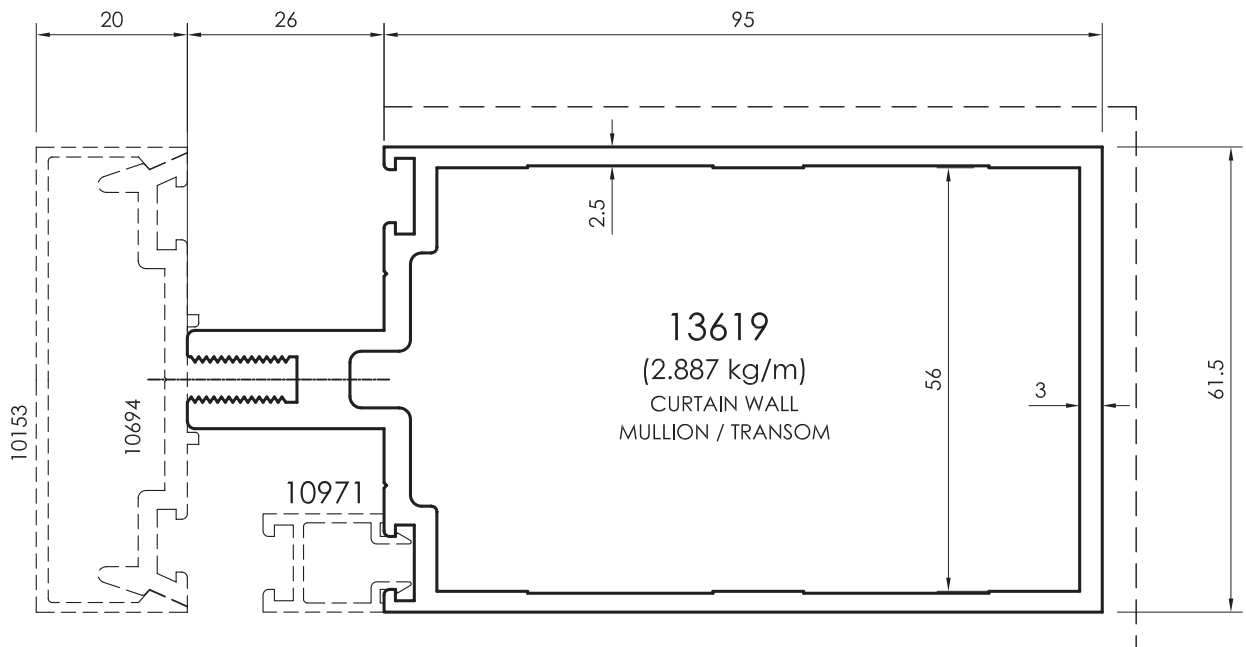
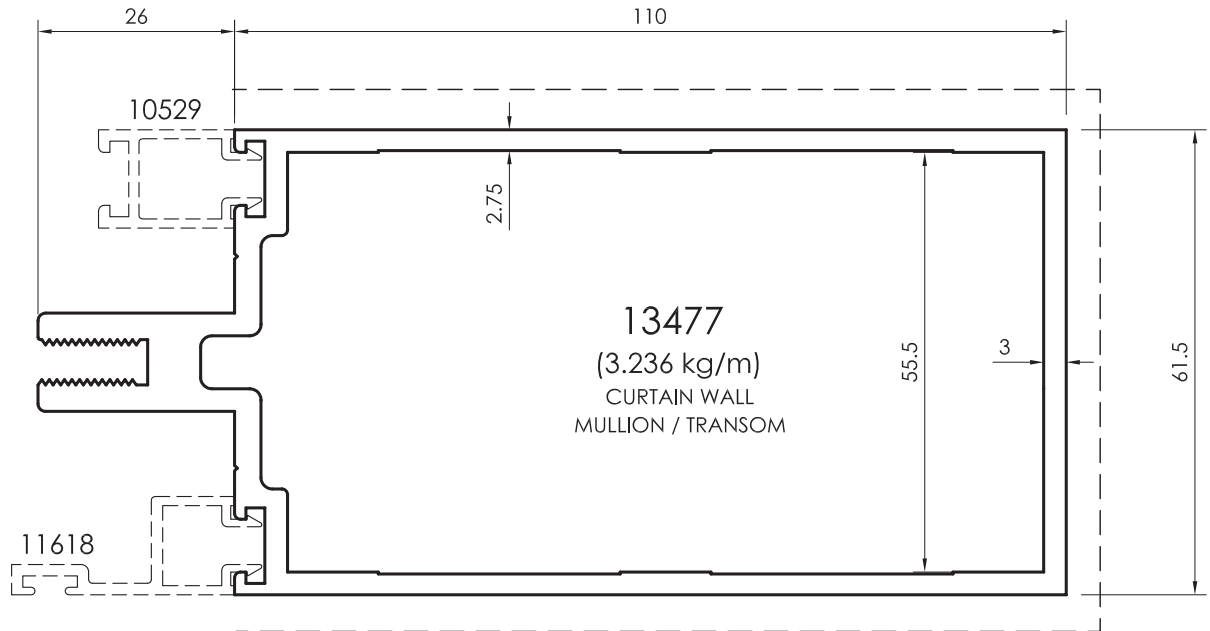
13050
(1.854 kg/m)
CURTAIN WALL
TRANSOM



12715
(2.237 kg/m)
CURTAIN WALL
TRANSOM

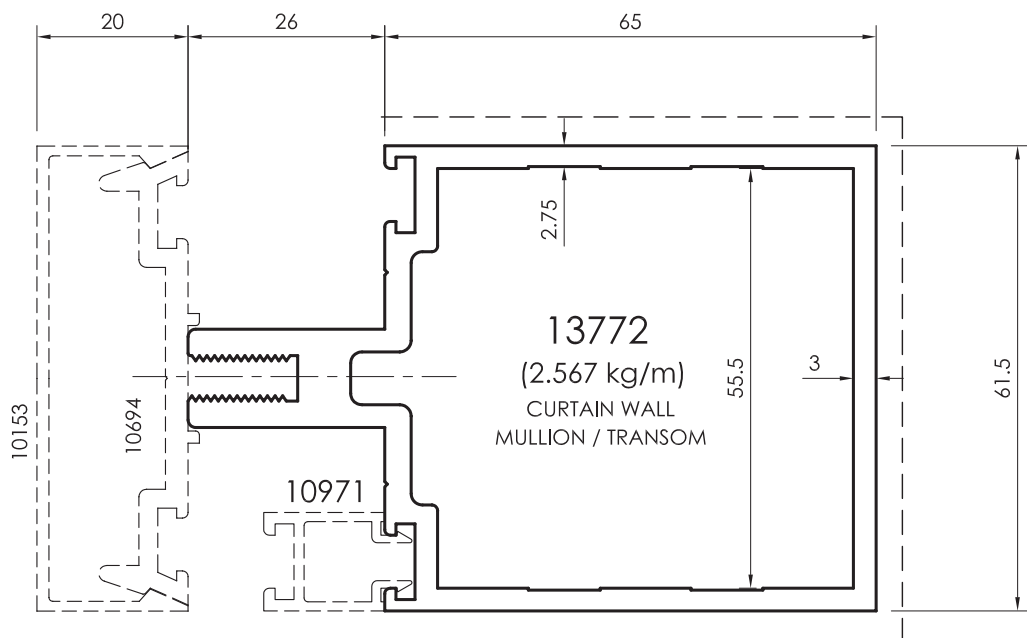
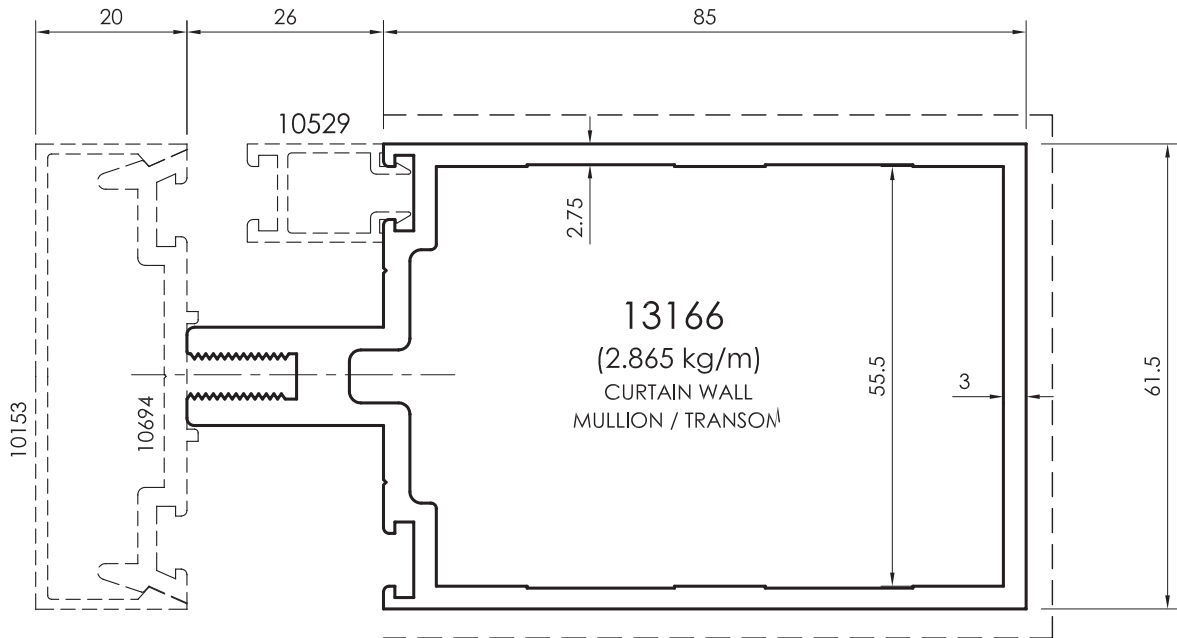
All dimensions in mm
Visible area_____

Mullion / Transom Profiles



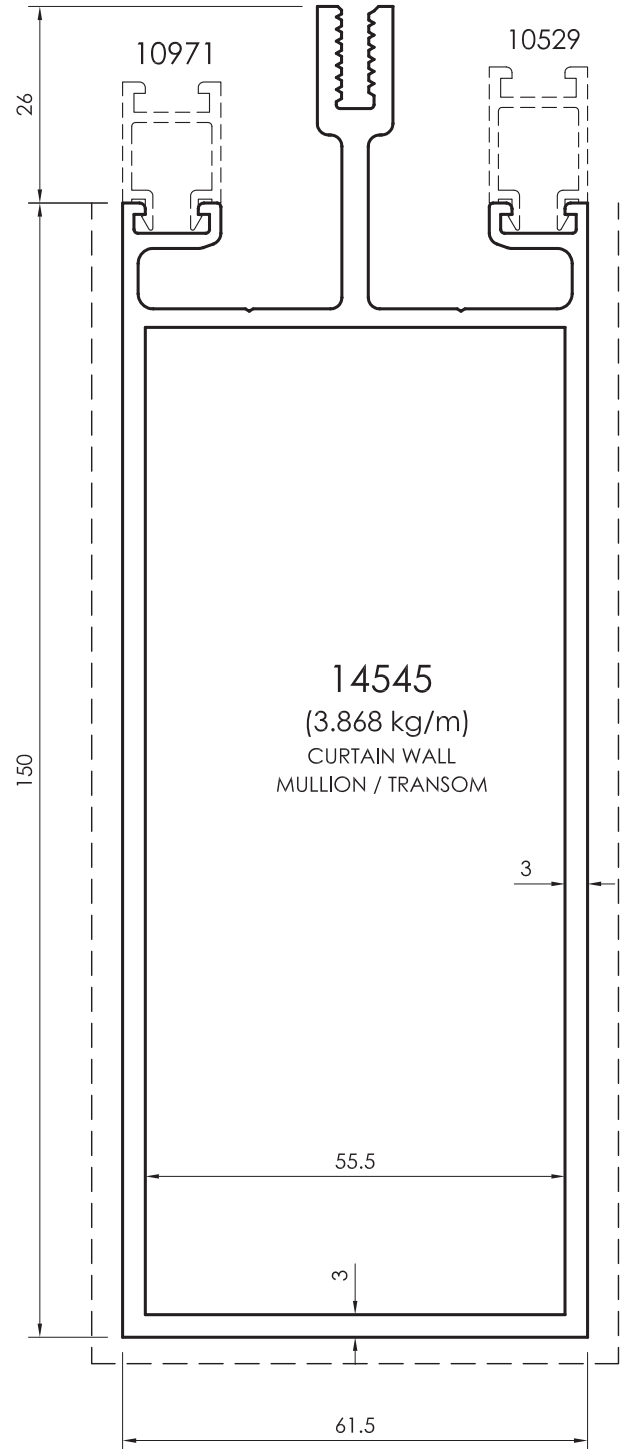
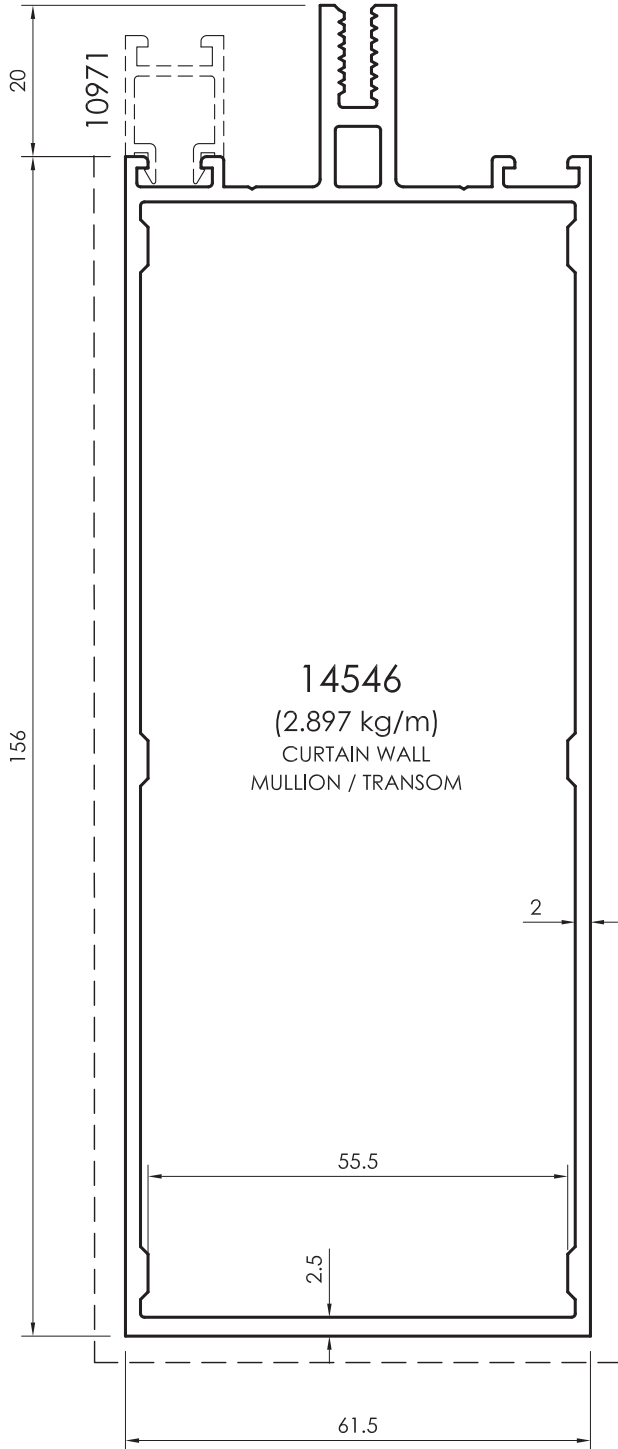
All dimensions in mm
----- Visible area

Mullion / Transom Profiles



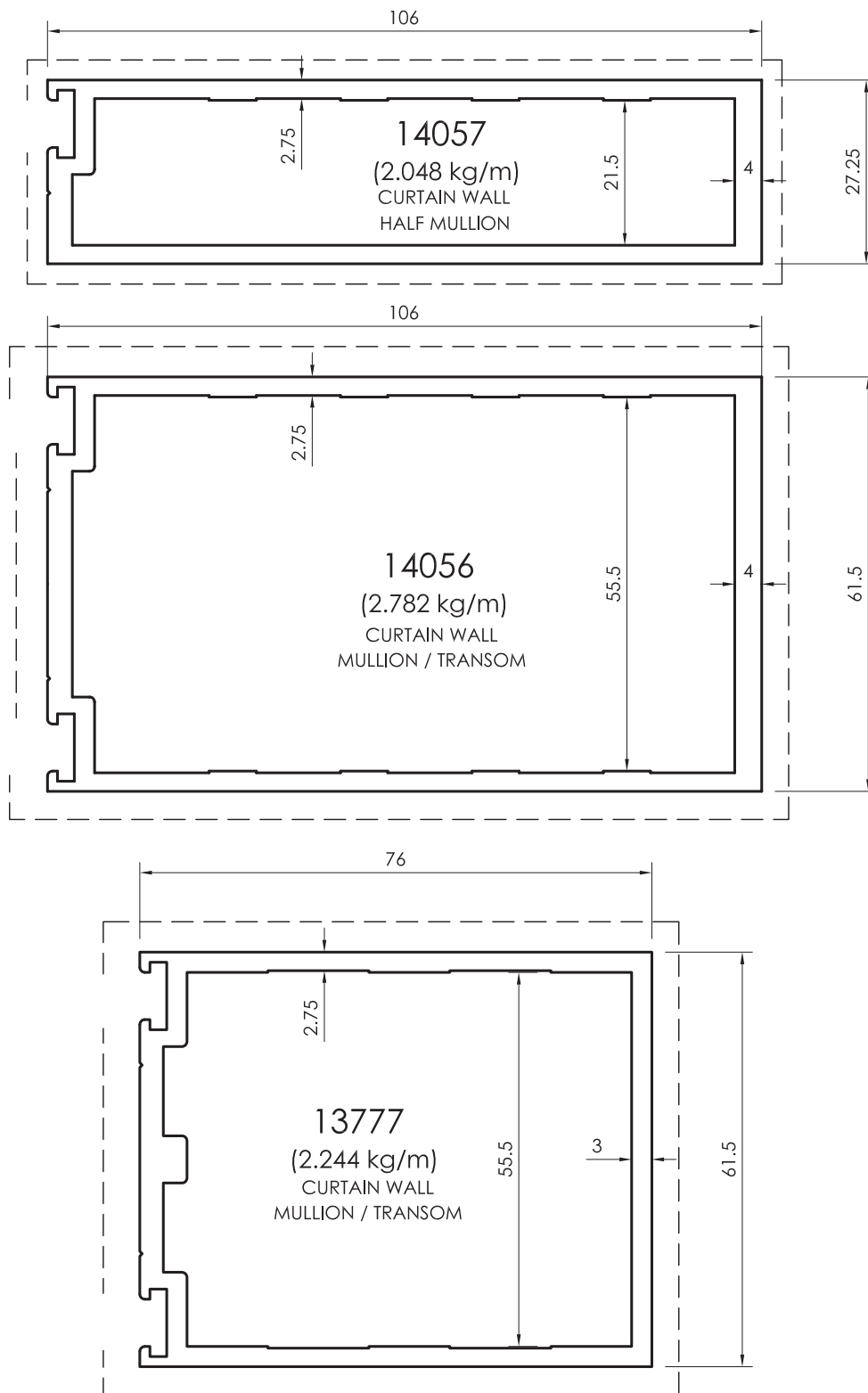
All dimensions in mm
Visible area_-----

Mullion / Transom Profiles



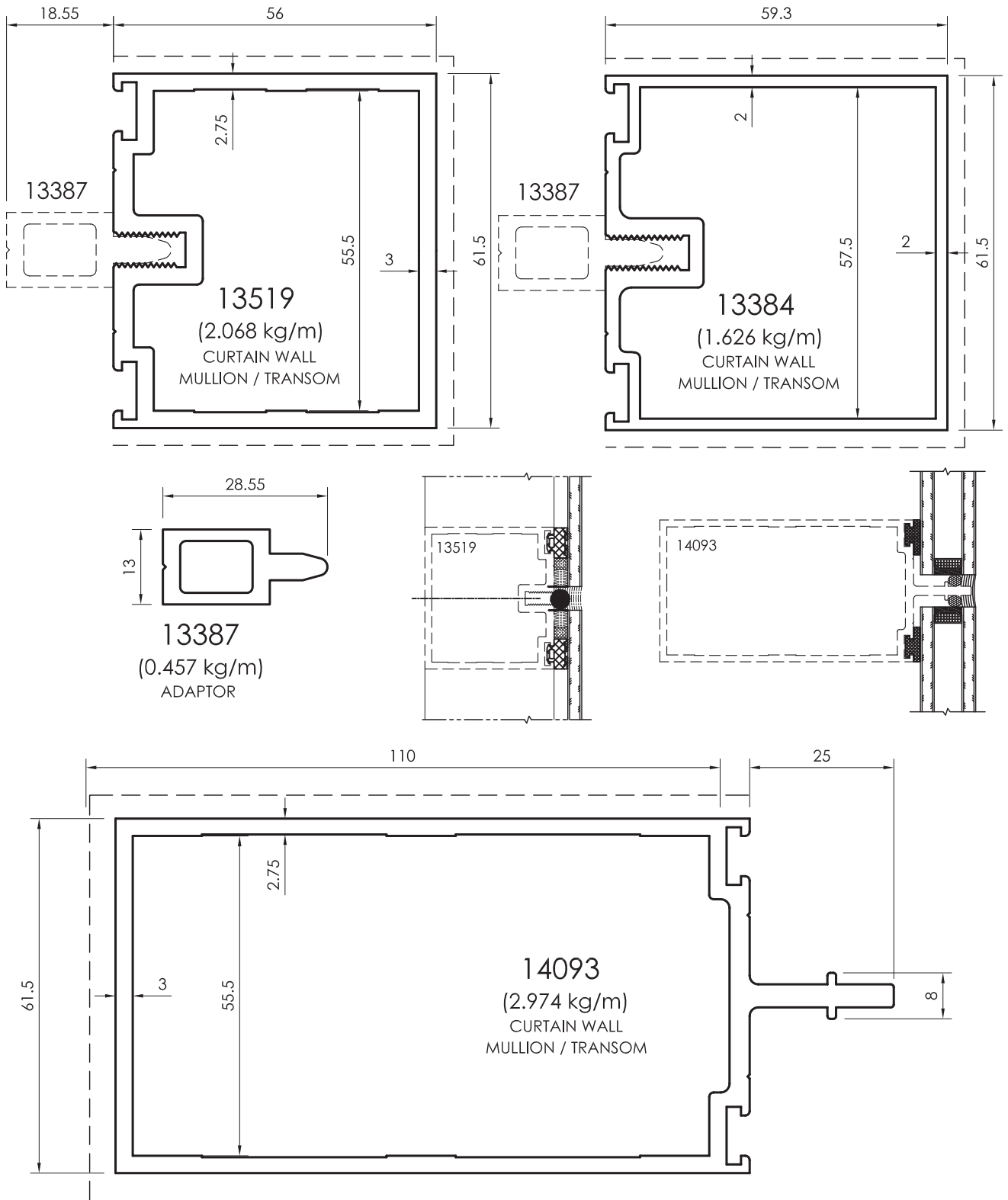
All dimensions in mm
----- Visible area

Mullion / Transom Profiles



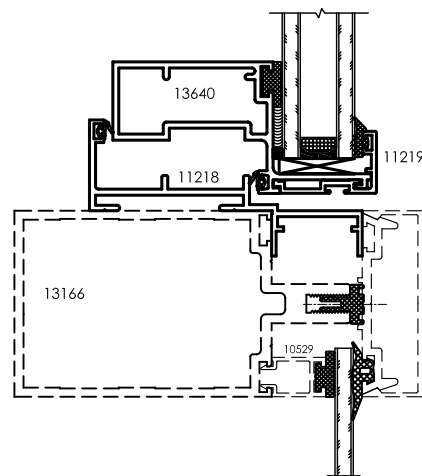
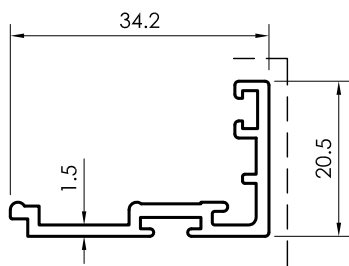
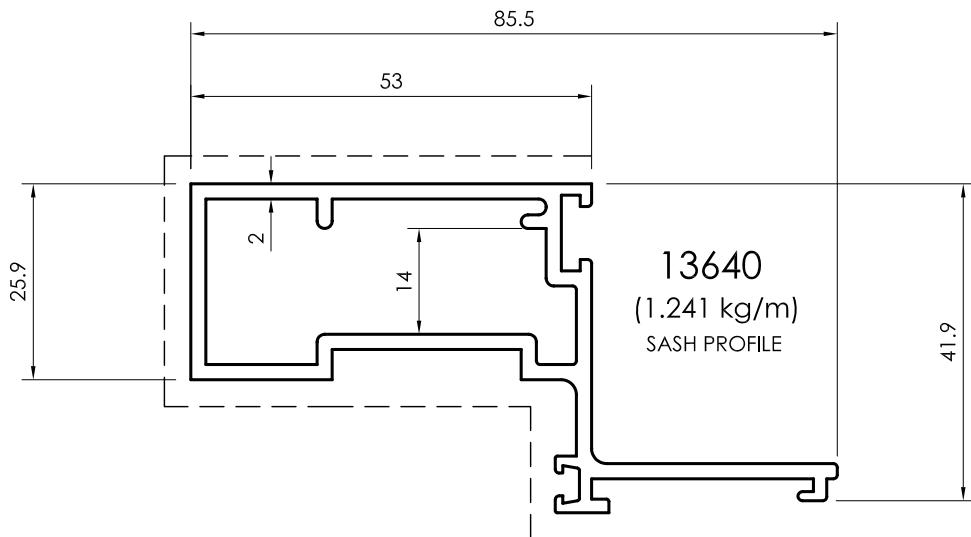
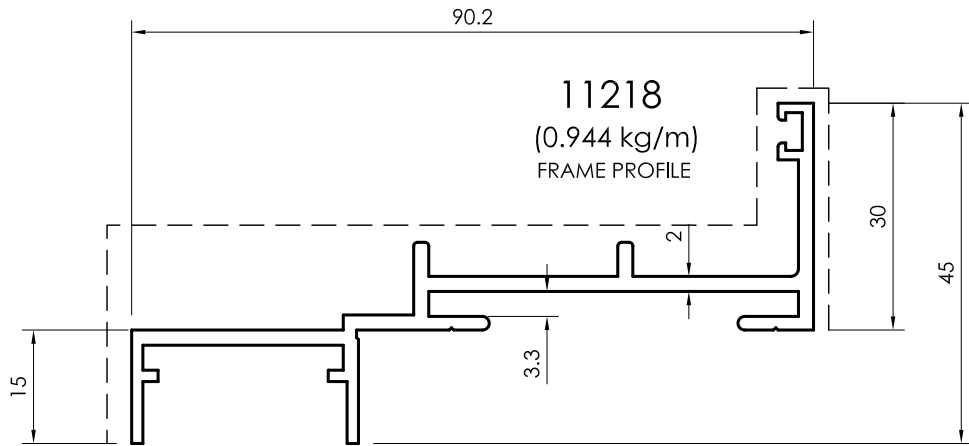
All dimensions in mm
Visible area_-----

Mullion / Transom Profiles



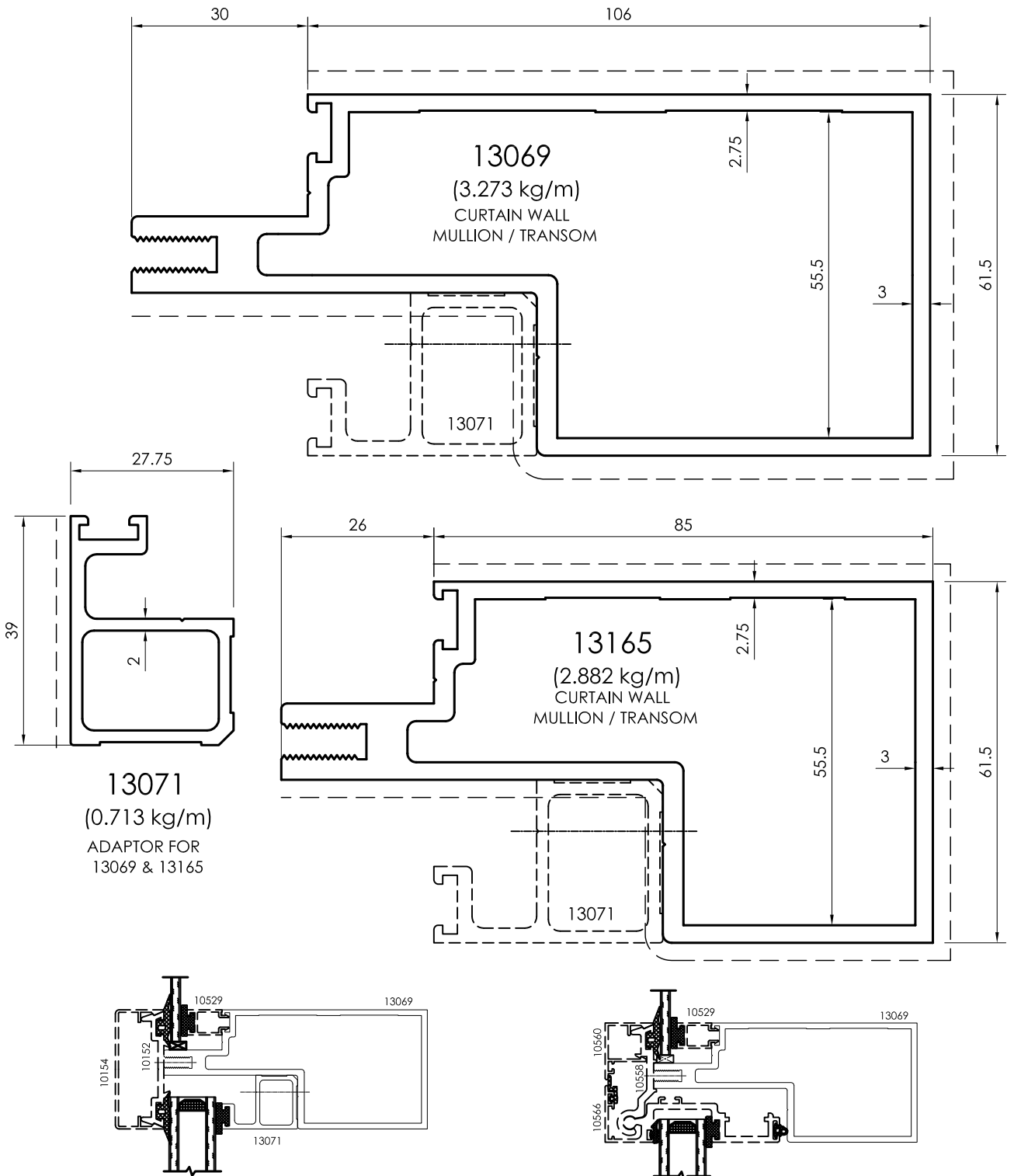
All dimensions in mm
 - - - - - Visible area

Frame / Sash Profiles



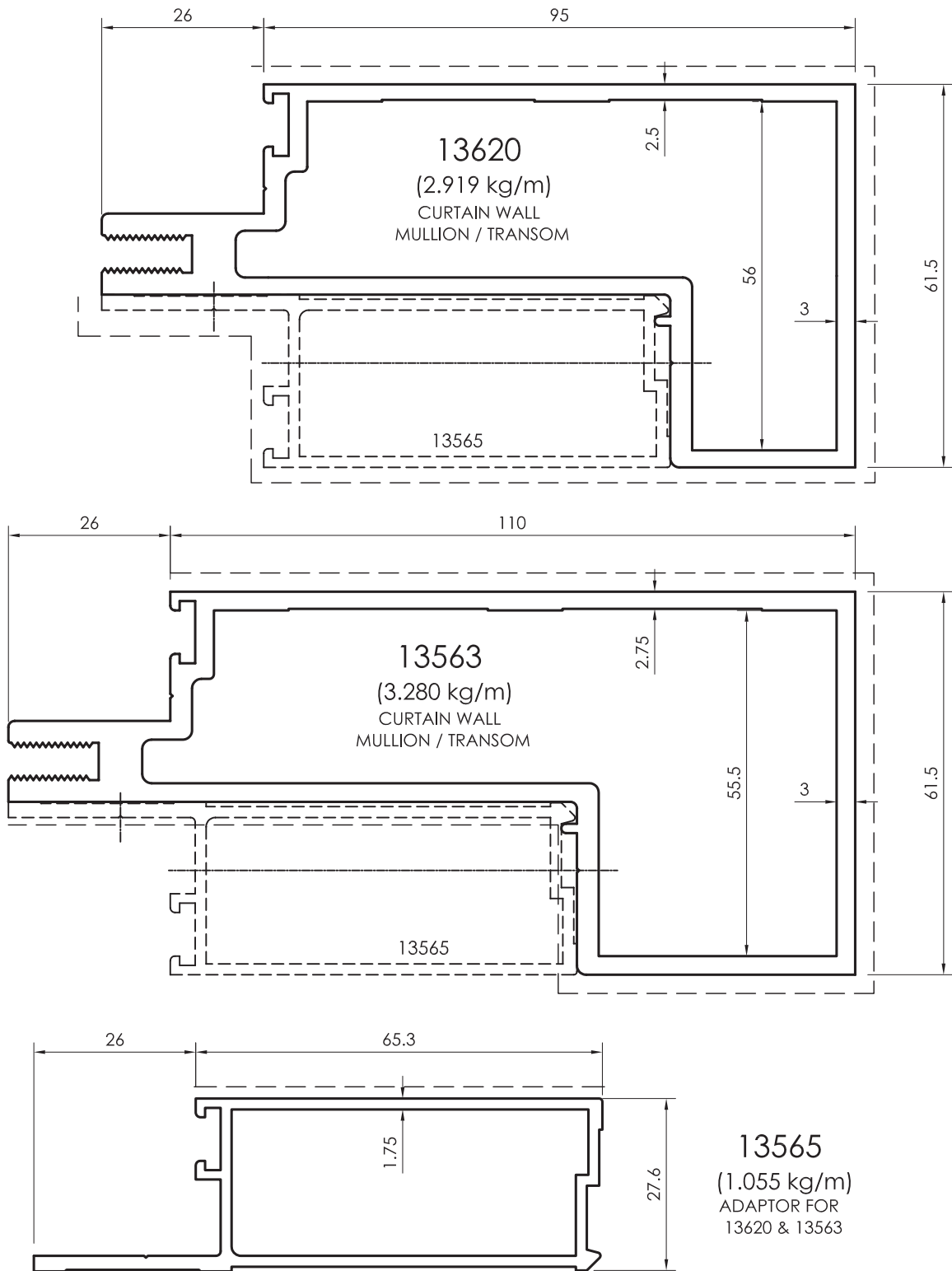
All dimensions in mm
Visible area_-----

Mullion / Transom Profiles



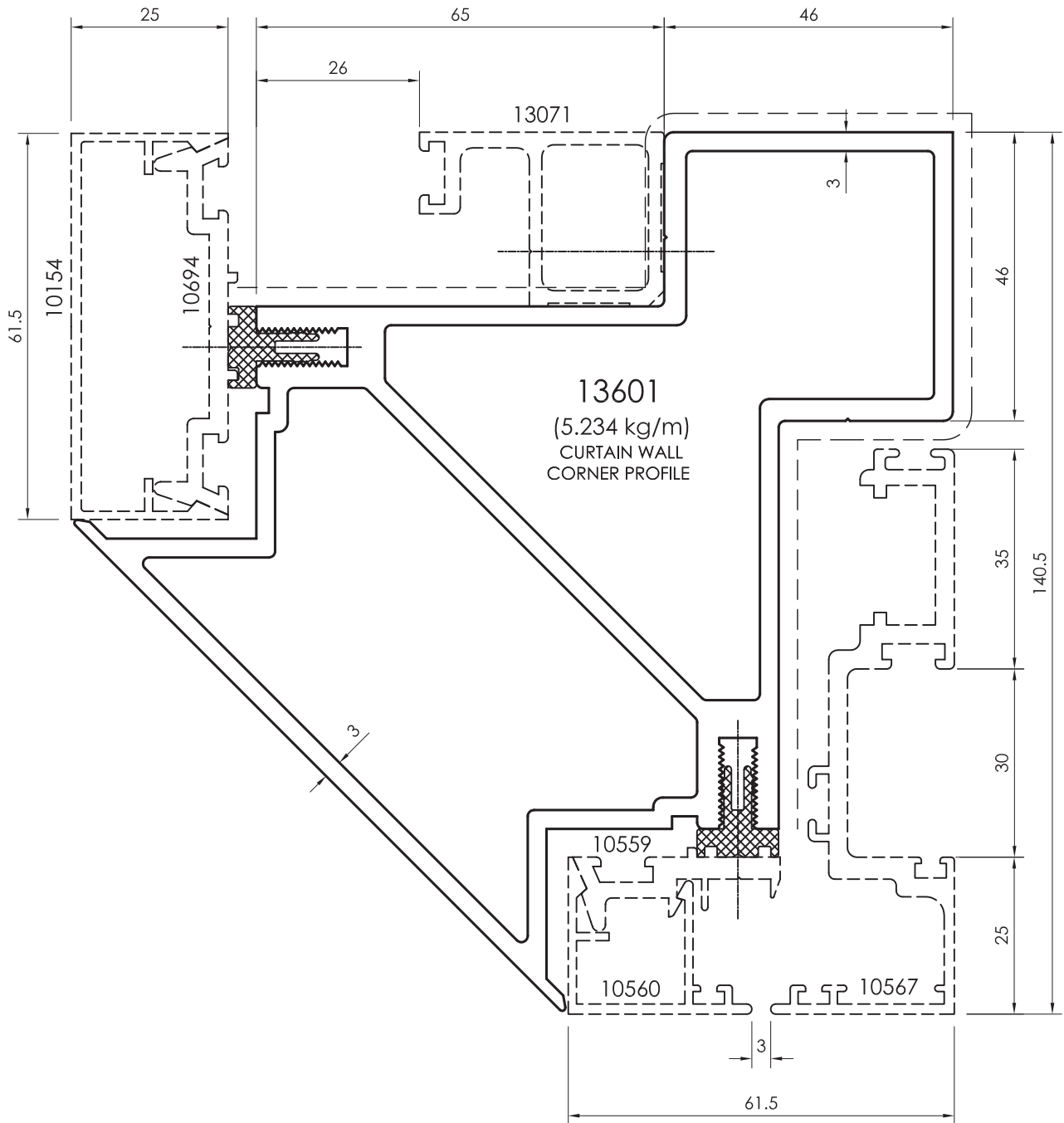
All dimensions in mm
 - - - - - Visible area

Mullion / Transom Profiles



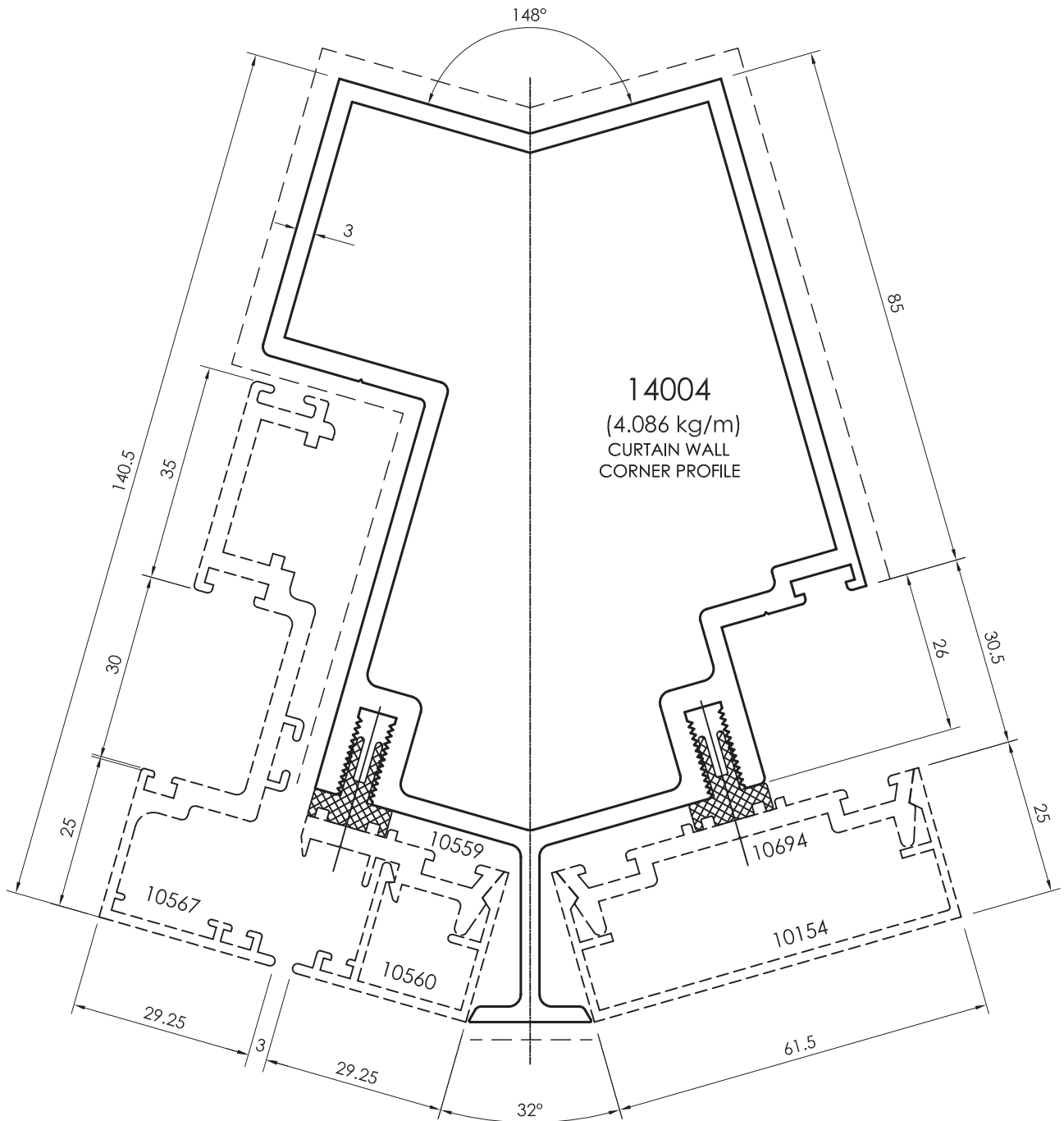
All dimensions in mm
Visible area_____

90° Corner Profiles



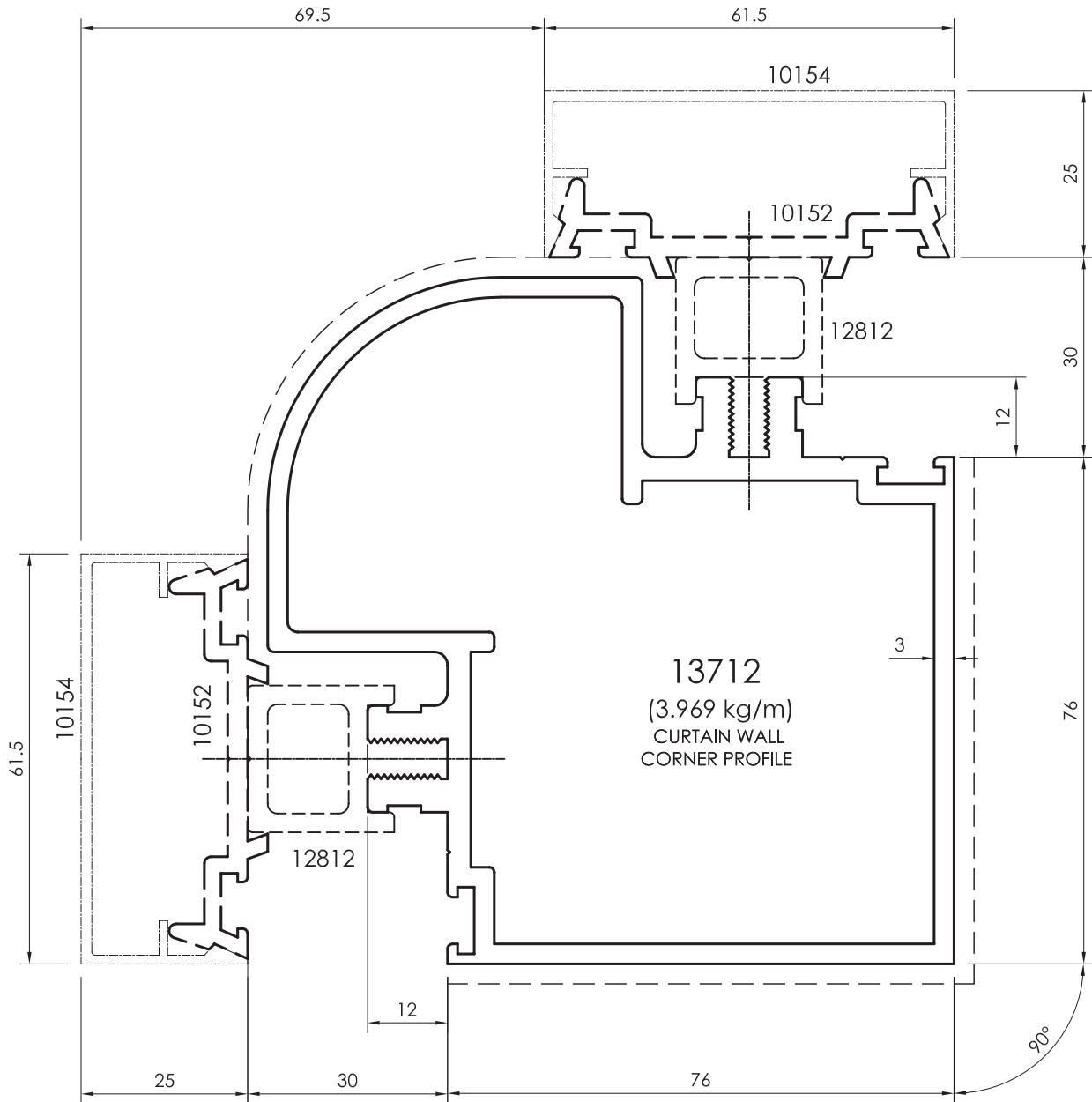
All dimensions in mm
----- Visible area

148° Corner Profiles



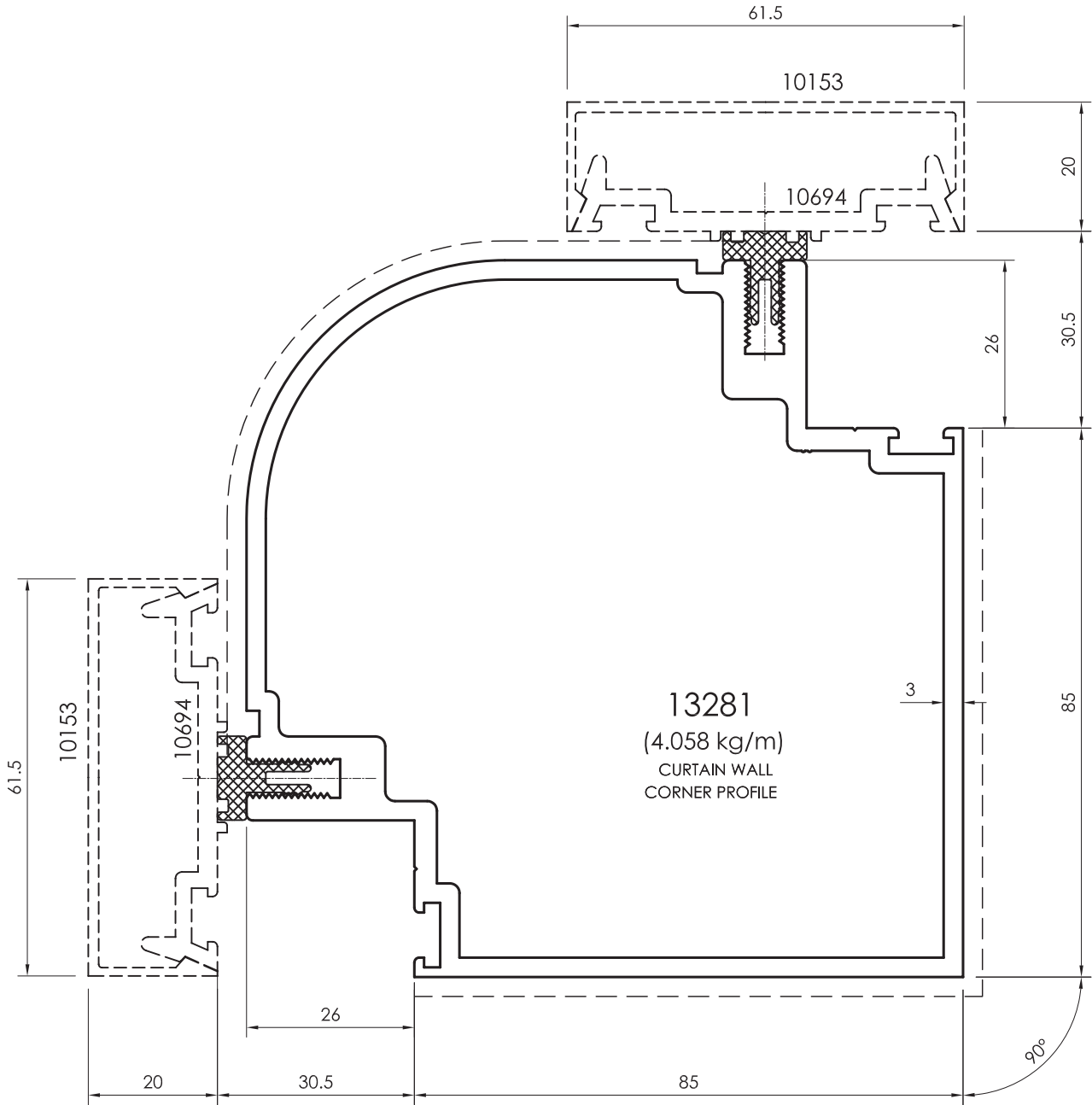
All dimensions in mm
Visible area_-----

Corner Profiles



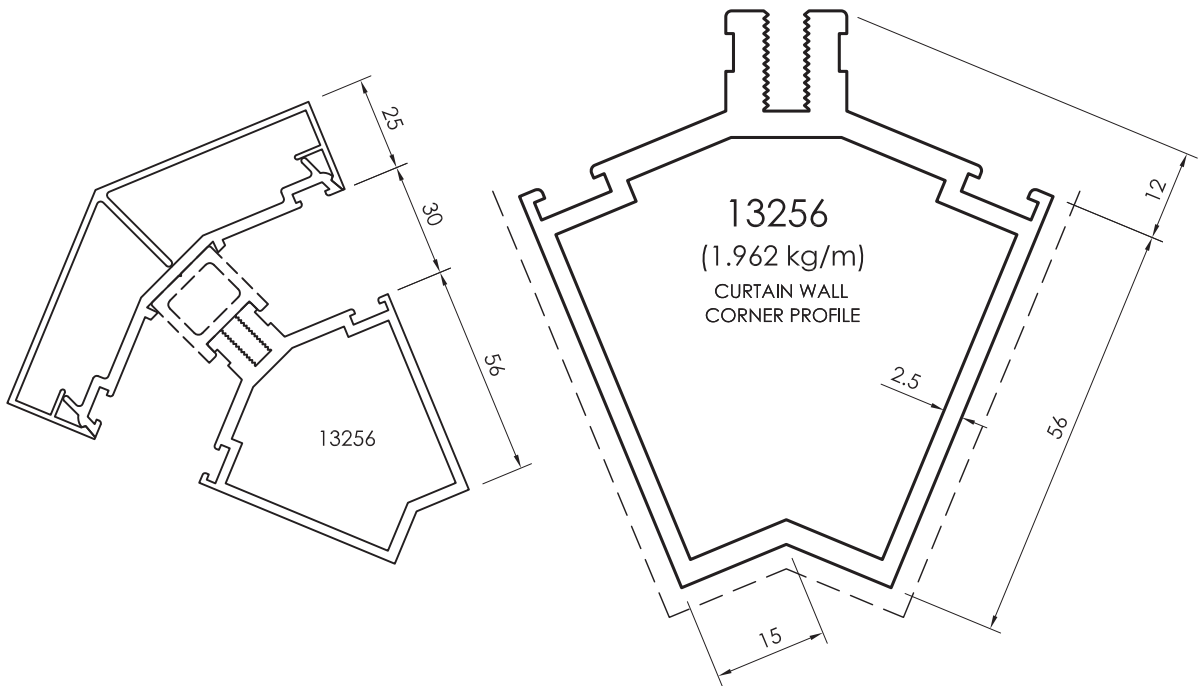
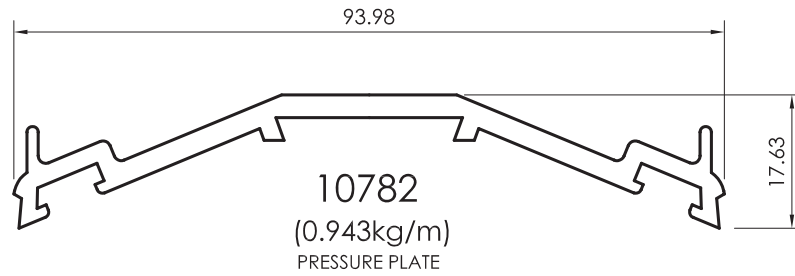
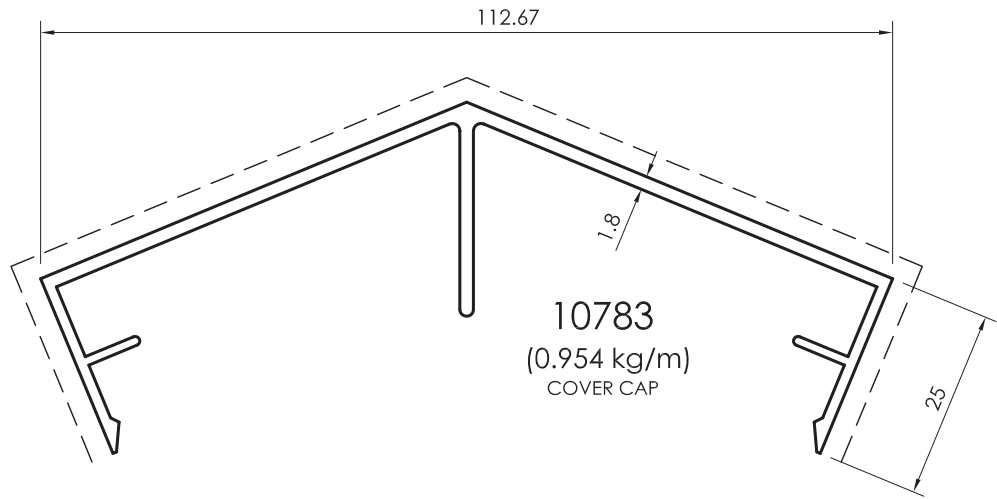
All dimensions in mm
 - - - - - Visible area

Corner Profiles



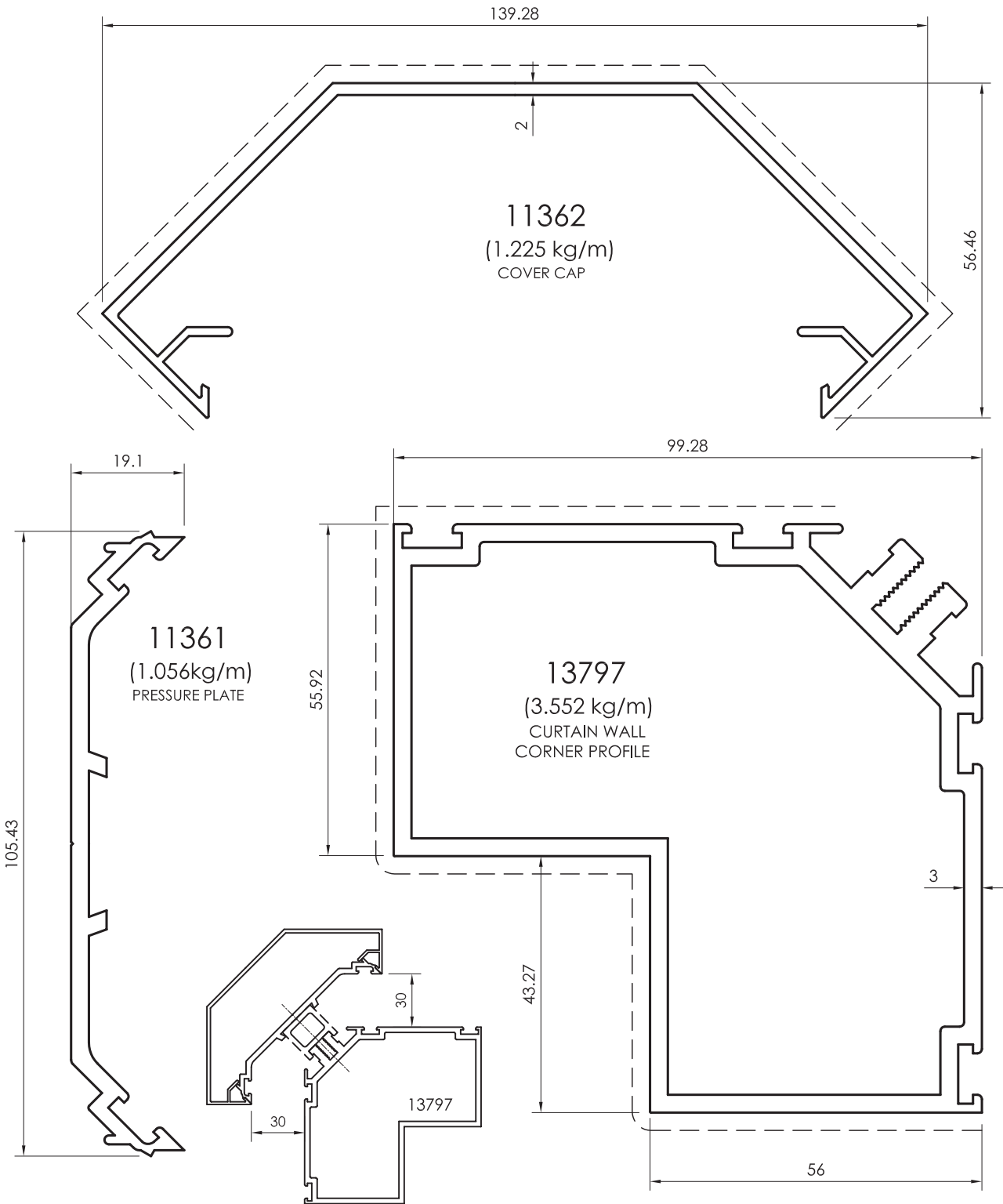
All dimensions in mm
Visible area_-----

Corner Profiles



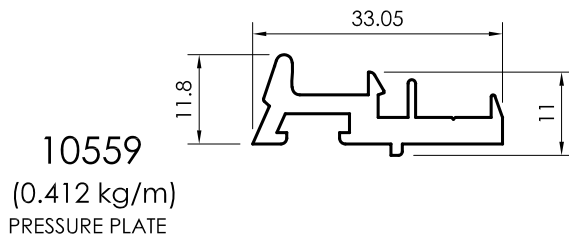
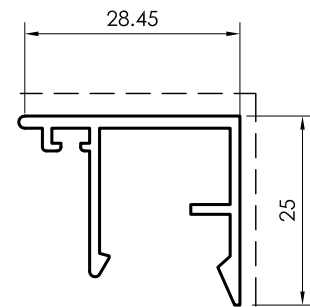
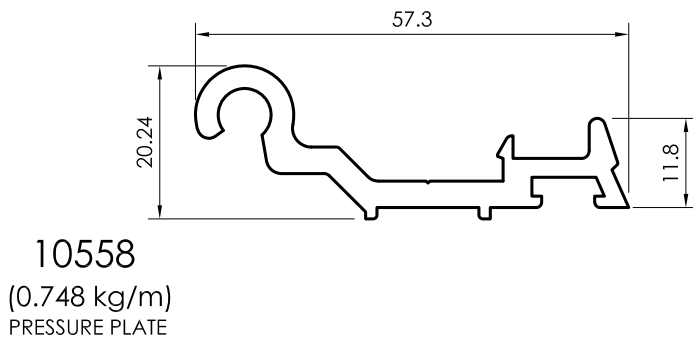
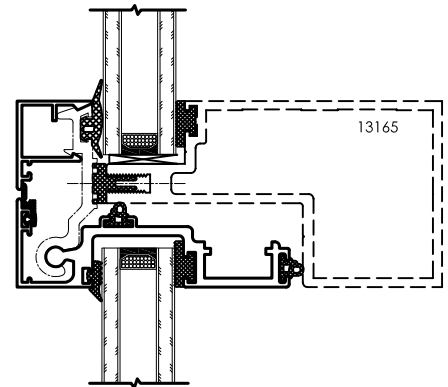
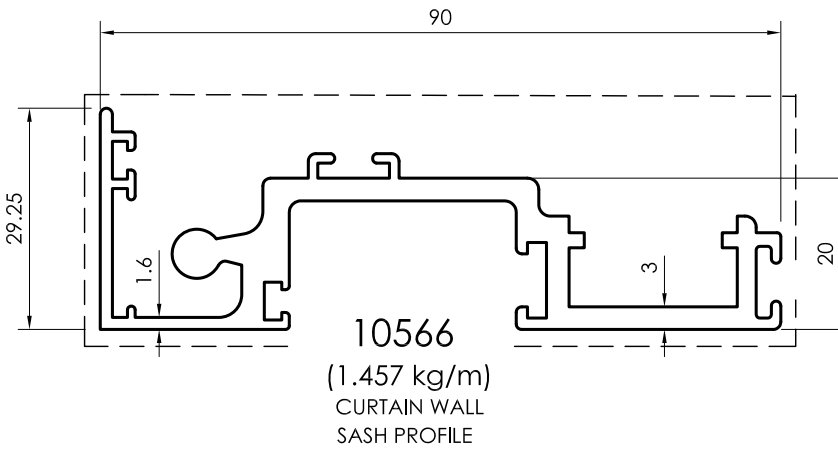
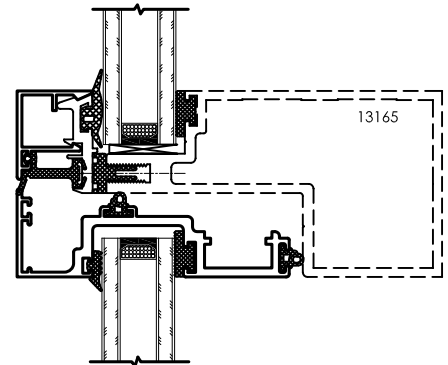
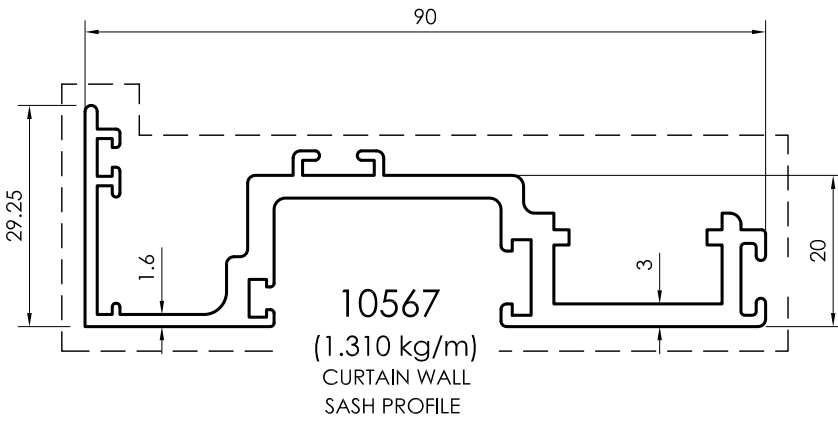
All dimensions in mm
 ----- Visible area

Corner Profiles



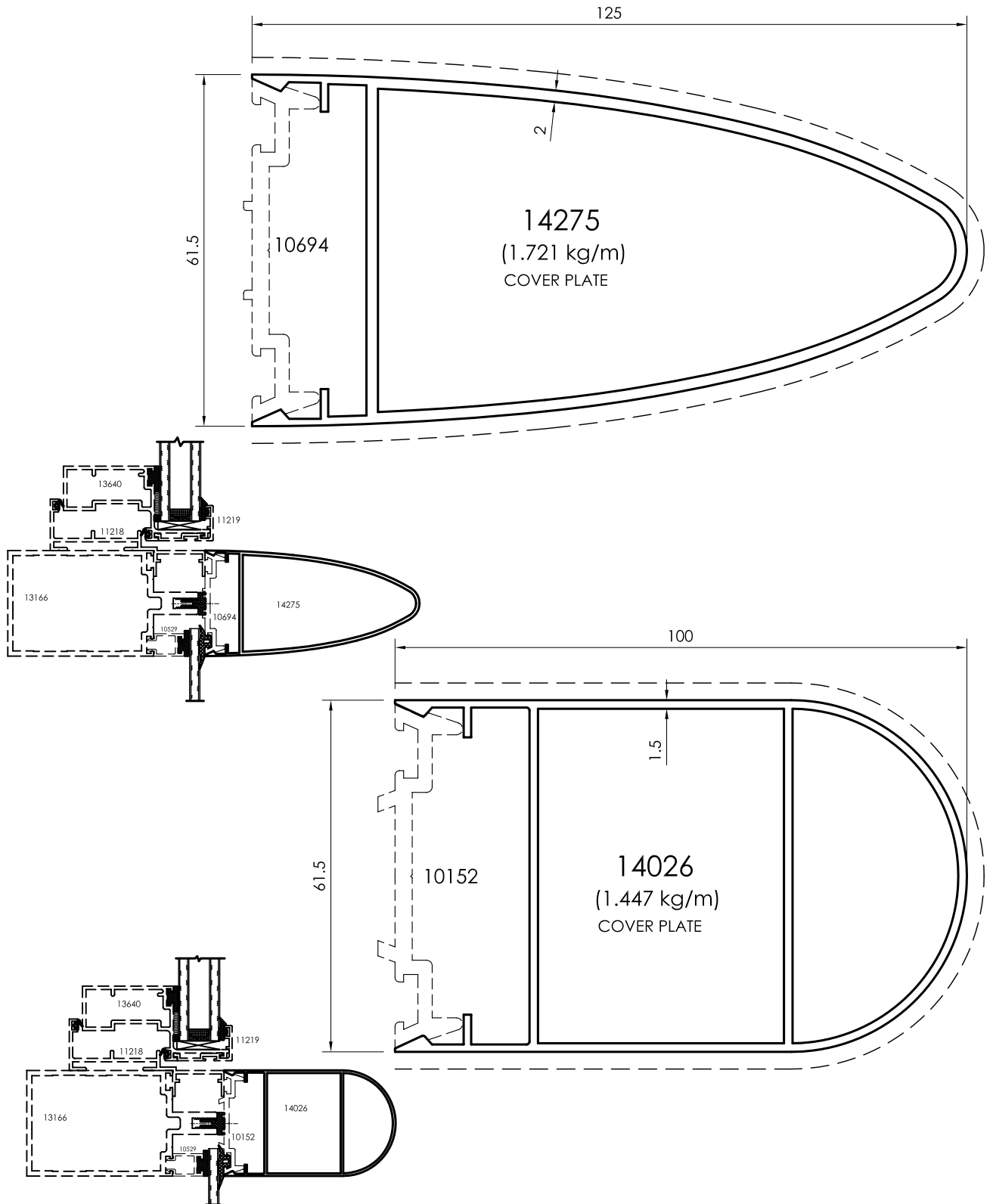
All dimensions in mm
Visible area_____

Curtain Wall Profiles



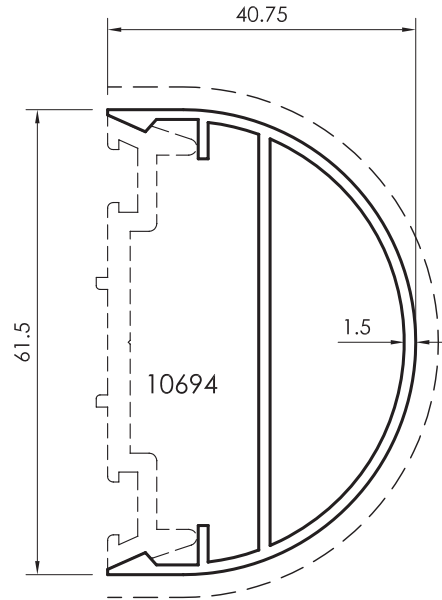
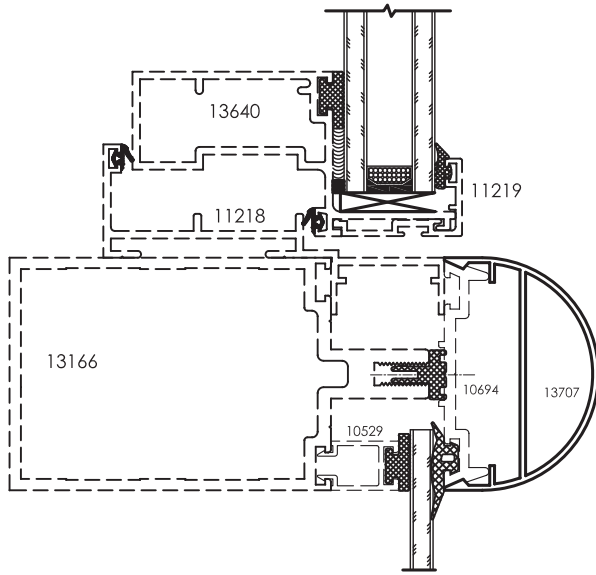
All dimensions in mm
----- Visible area

Curtain Wall Profiles

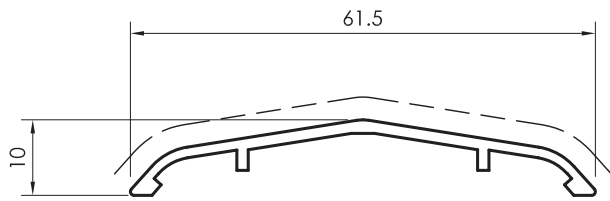


All dimensions in mm
 Visible area_____

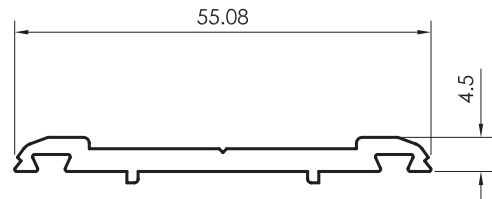
Curtain Wall Profiles



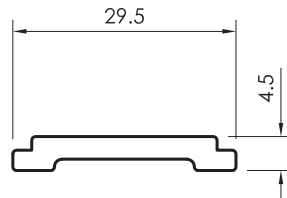
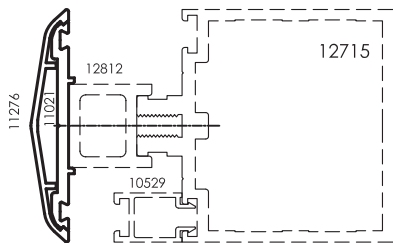
13707
(0.724 kg/m)
COVER PLATE



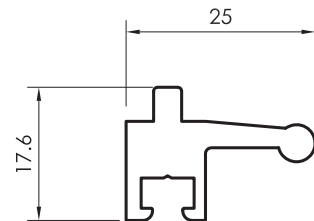
11276
(0.270 kg/m)
COVER PLATE



11021
(0.455 kg/m)
PRESSURE PLATE



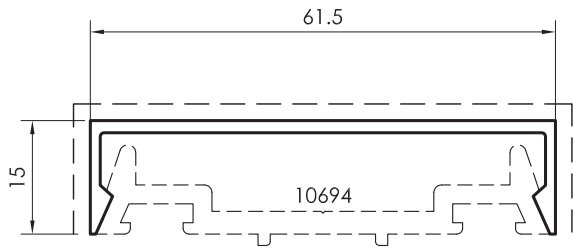
11686
(0.259 kg/m)
LOCK PROFILE



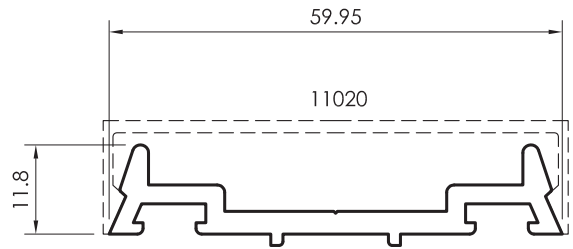
11434
(0.454 kg/m)
GLASS TOGGLER

All dimensions in mm
----- Visible area

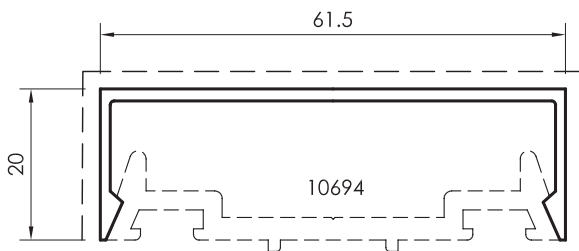
Curtain Wall Profiles



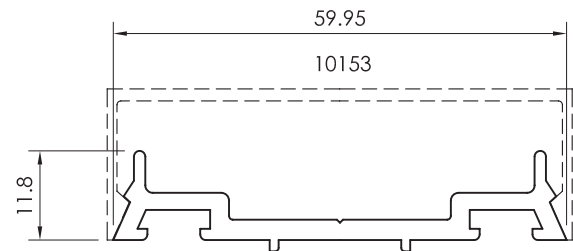
11020
(0.380 kg/m)
COVER PLATE



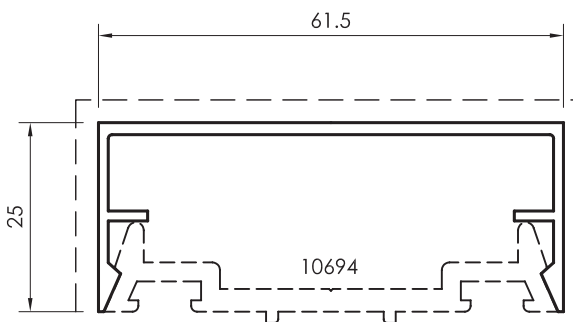
10694
(0.638 kg/m)
PRESSURE PLATE



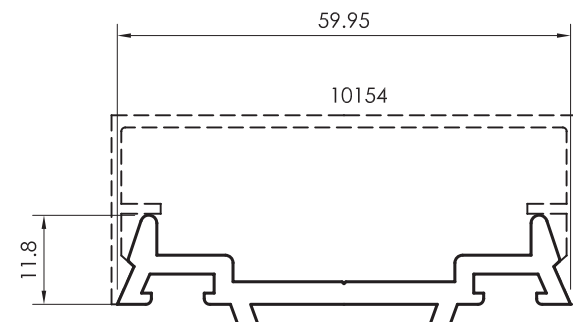
10153
(0.411 kg/m)
COVER PLATE



21653
(0.567 kg/m)
PRESSURE PLATE



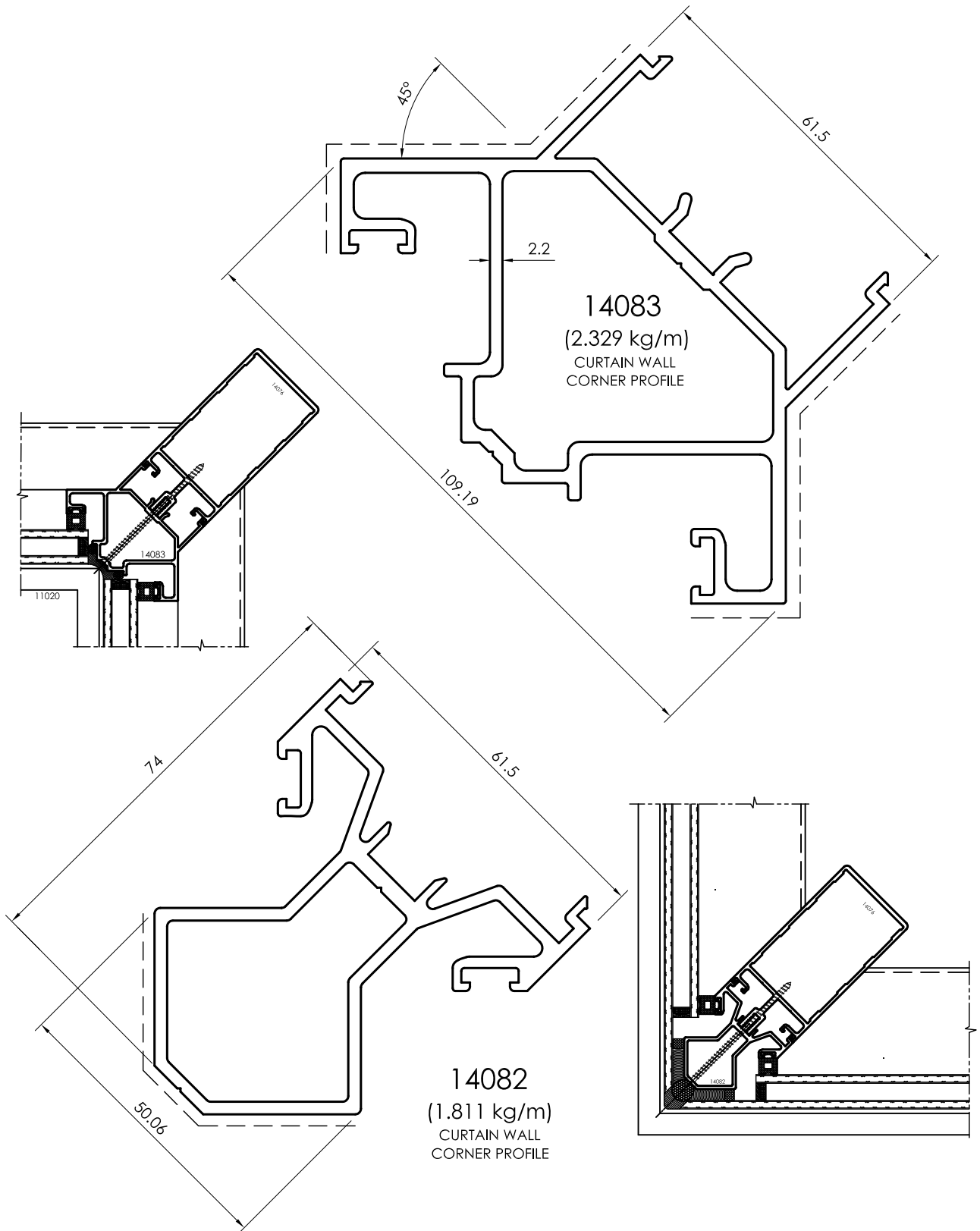
10154
(0.483 kg/m)
COVER PLATE



10152
(0.668 kg/m)
PRESSURE PLATE

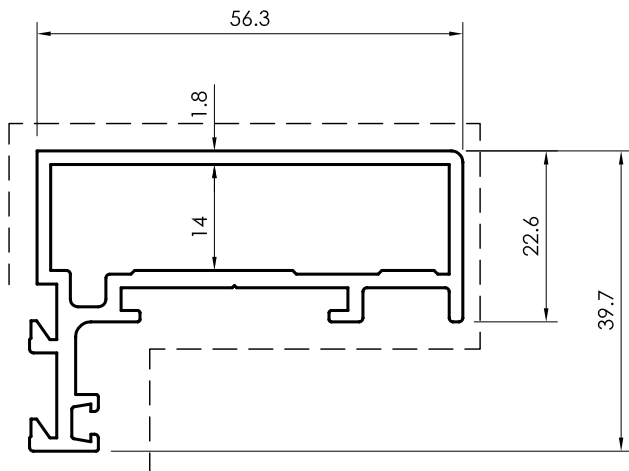
All dimensions in mm
Visible area_____

Corner Profiles

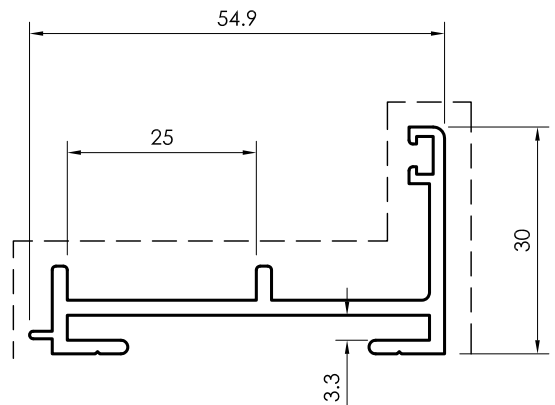


All dimensions in mm
 - - - - - Visible area

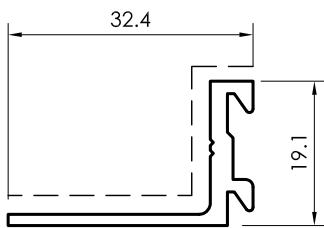
Curtain Wall Profiles



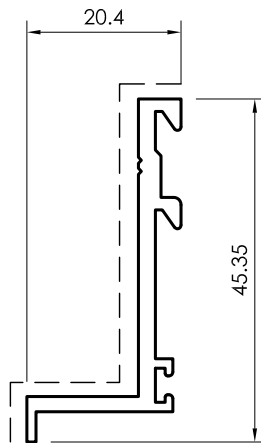
14079
(1.036 kg/m)
SASH PROFILE



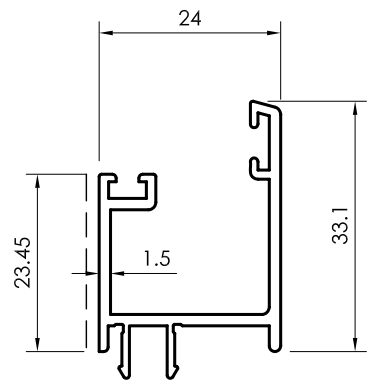
11619
(0.606 kg/m)
FRAME PROFILE



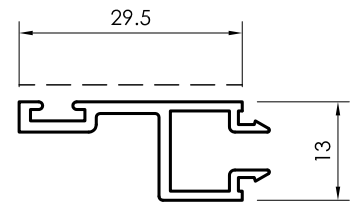
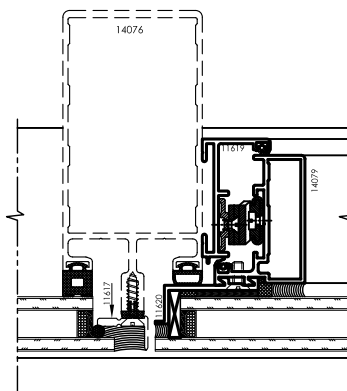
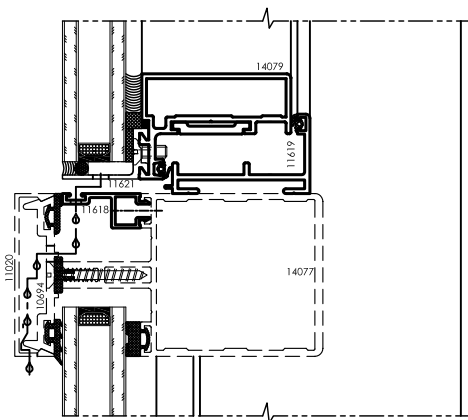
11621
(0.288 kg/m)
GLASS HOLDER



11620
(0.426 kg/m)
GLASS HOLDER



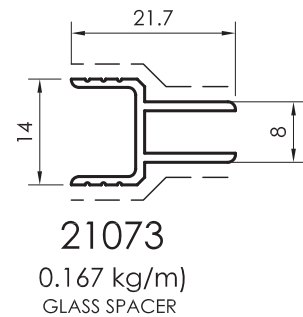
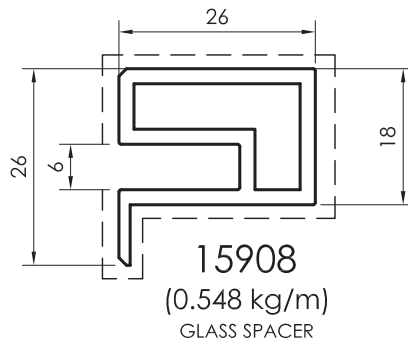
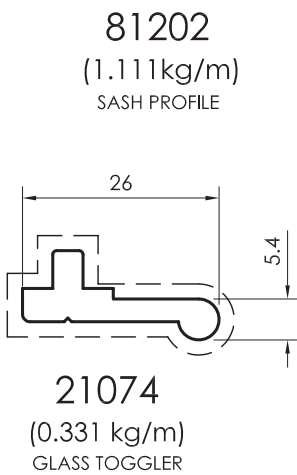
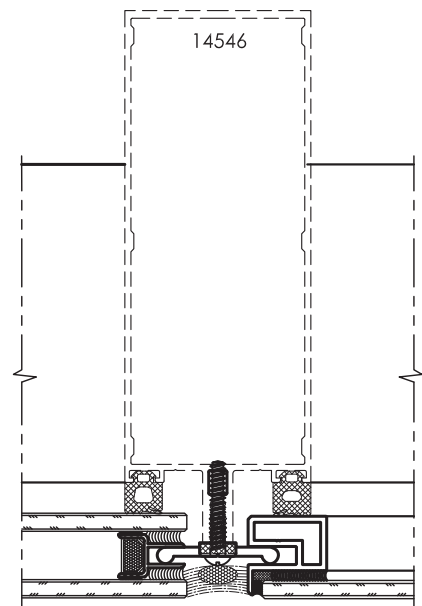
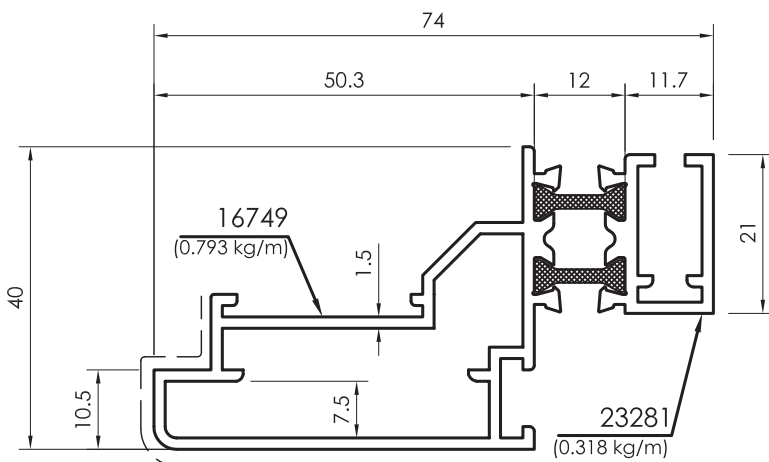
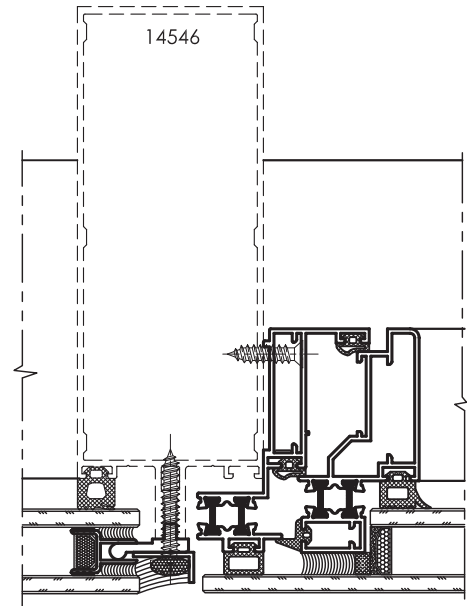
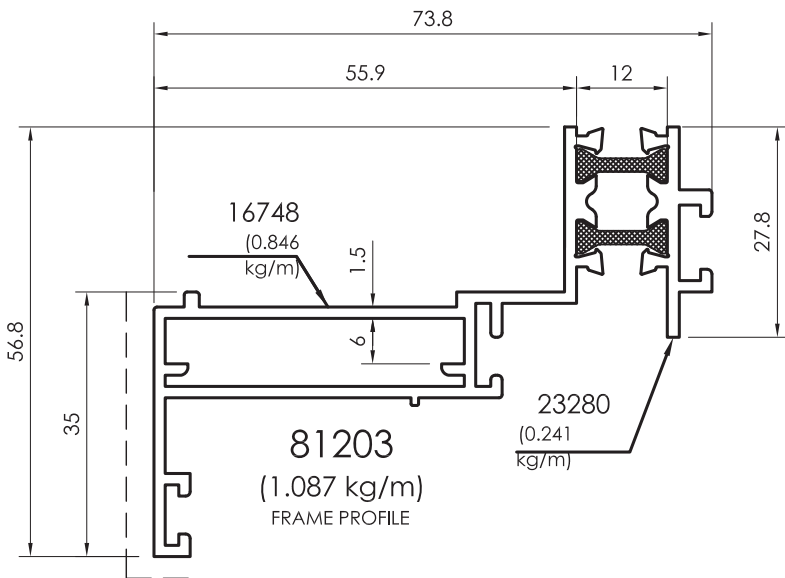
24373
(0.407 kg/m)
GLAZING CLIP



11618
(0.257 kg/m)
ADAPTOR

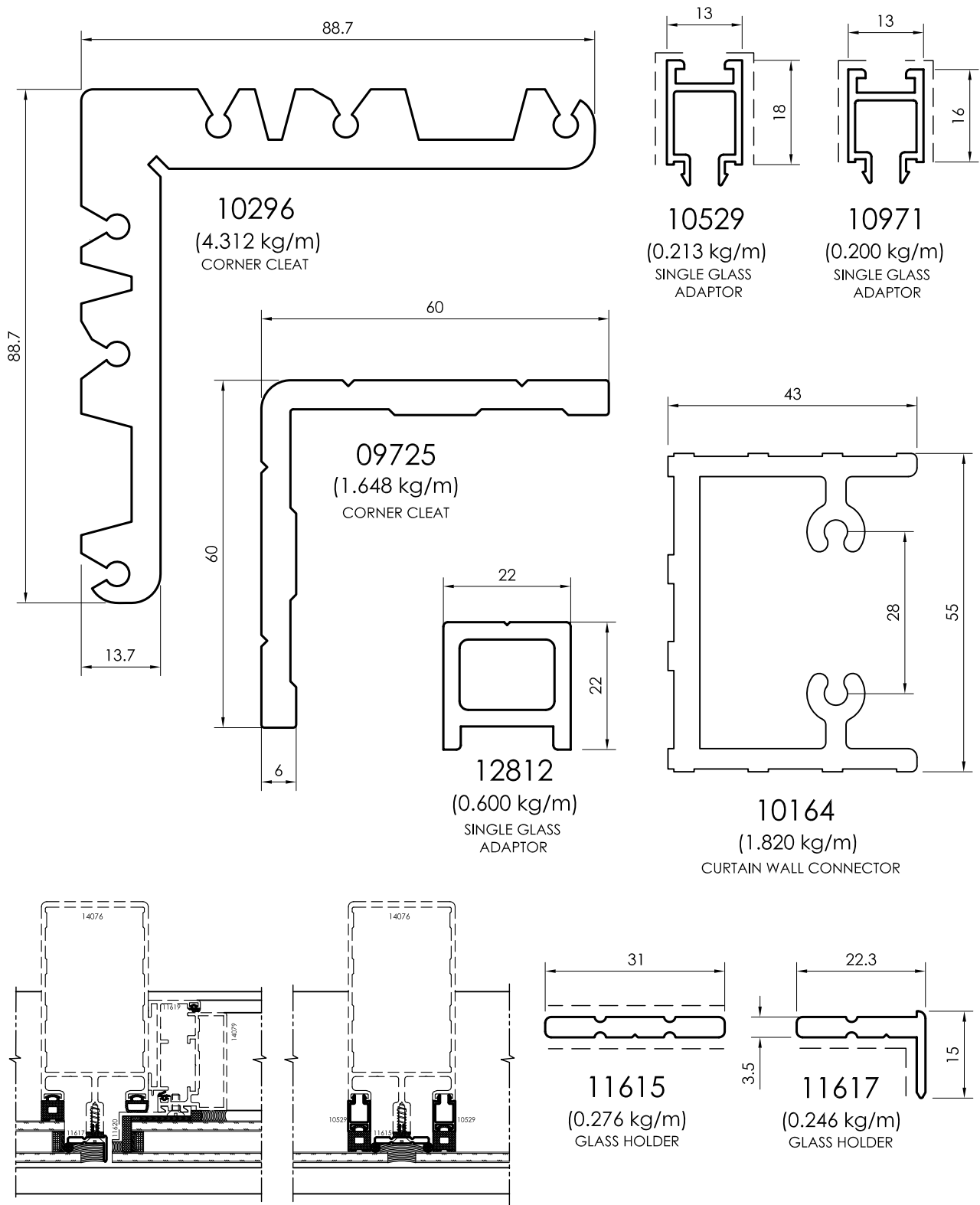
All dimensions in mm
Visible area_____

Curtain Wall Profiles



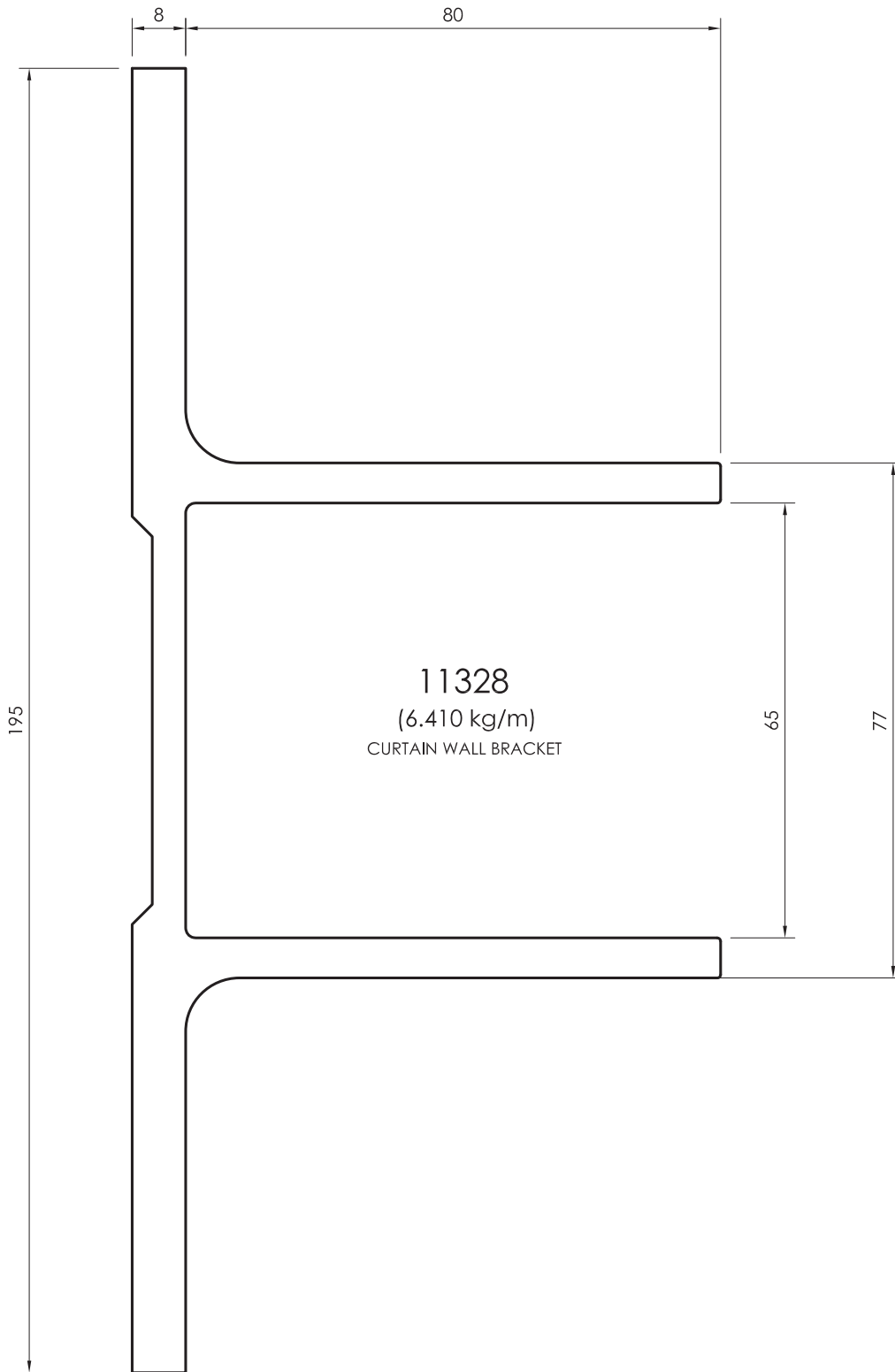
All dimensions in mm
 - - - - - Visible area

Curtain Wall Profiles



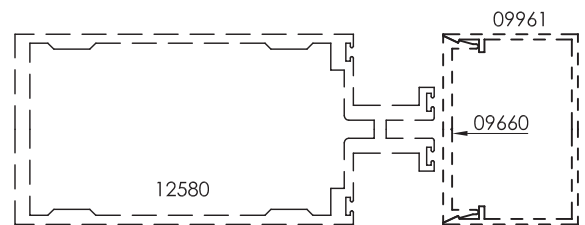
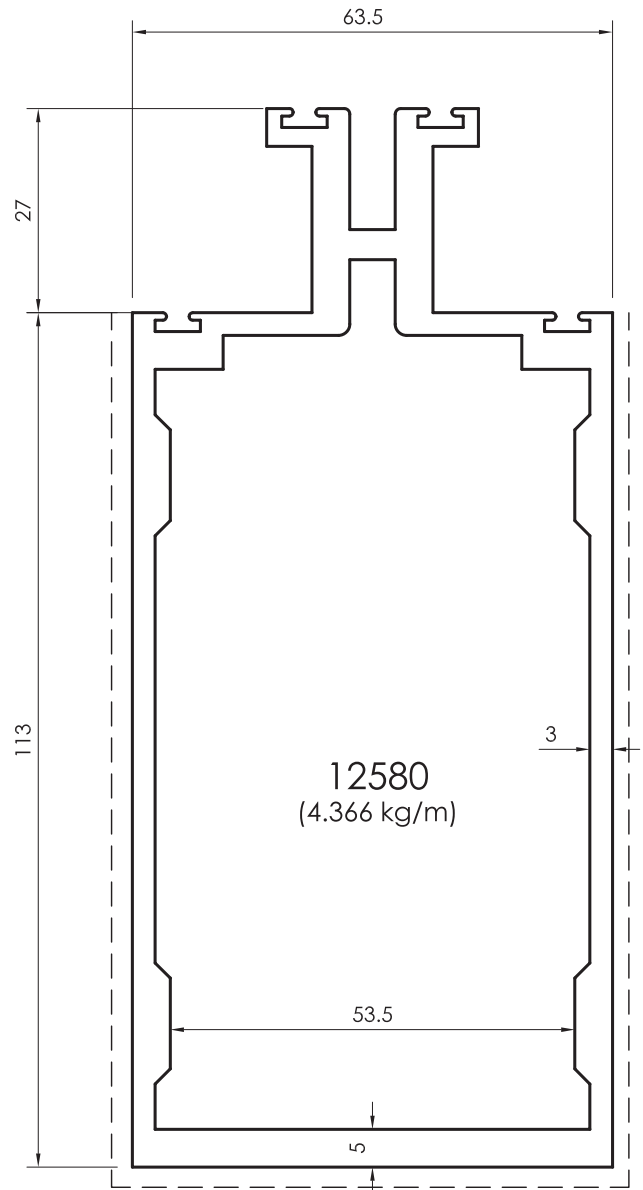
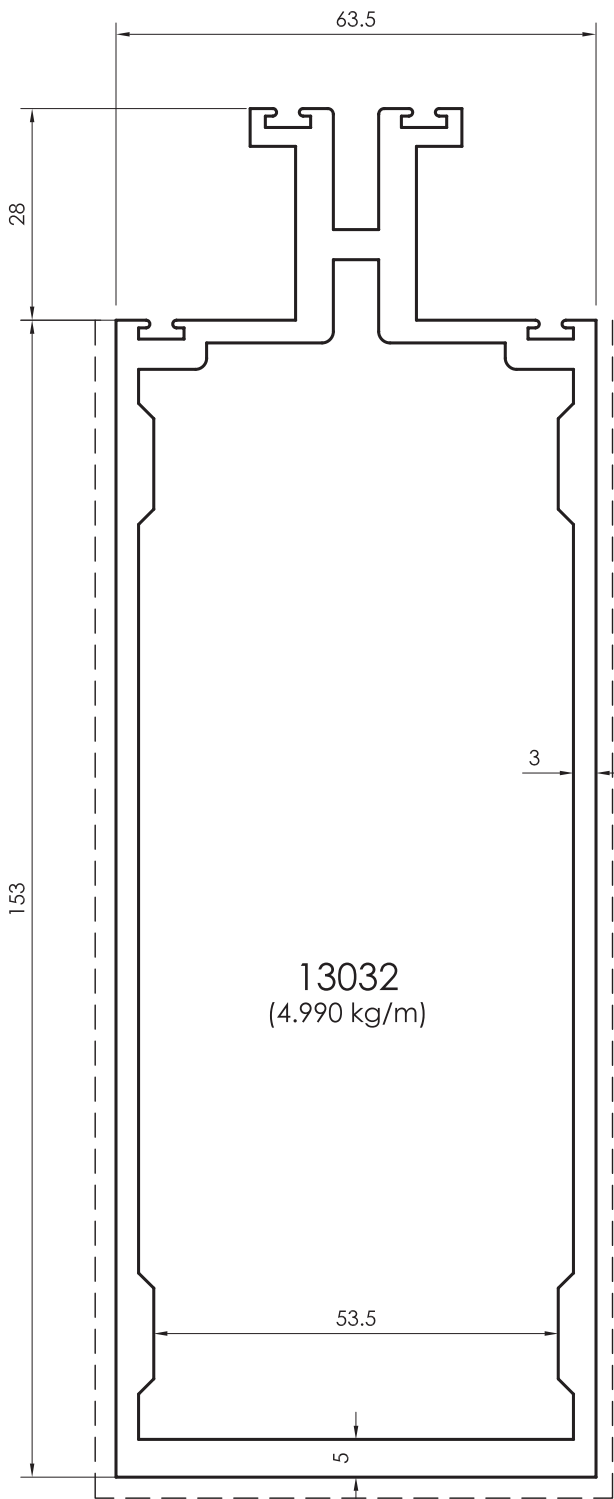
All dimensions in mm
Visible area_____

Curtain Wall Profiles



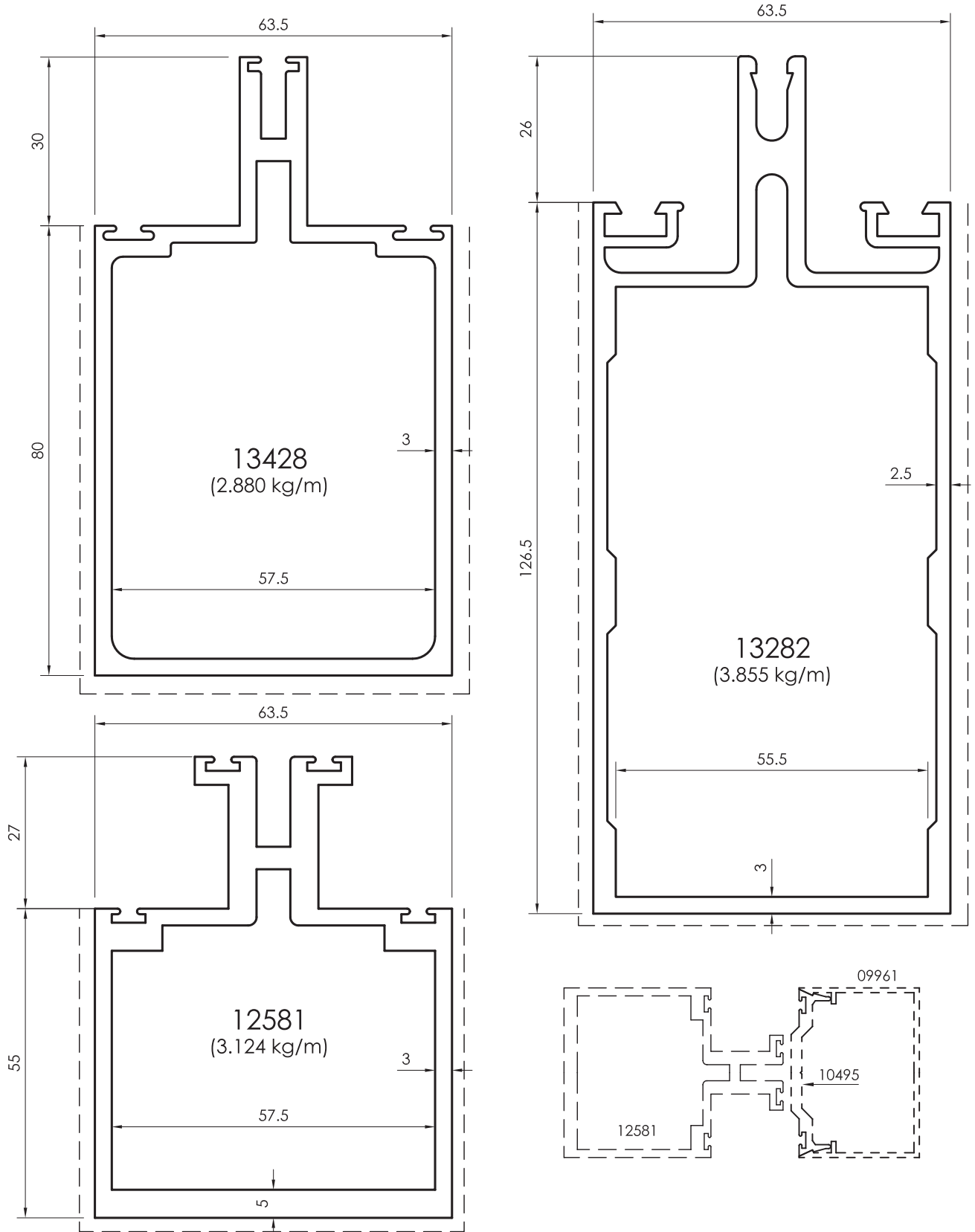
All dimensions in mm
-----Visible area

Curtain Wall - 63.5mm



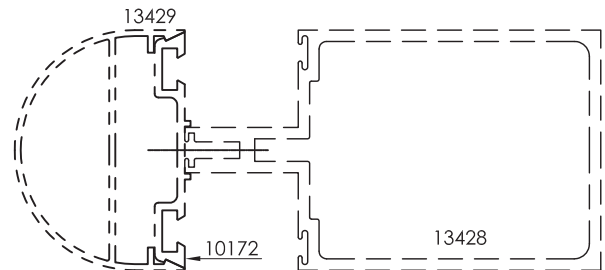
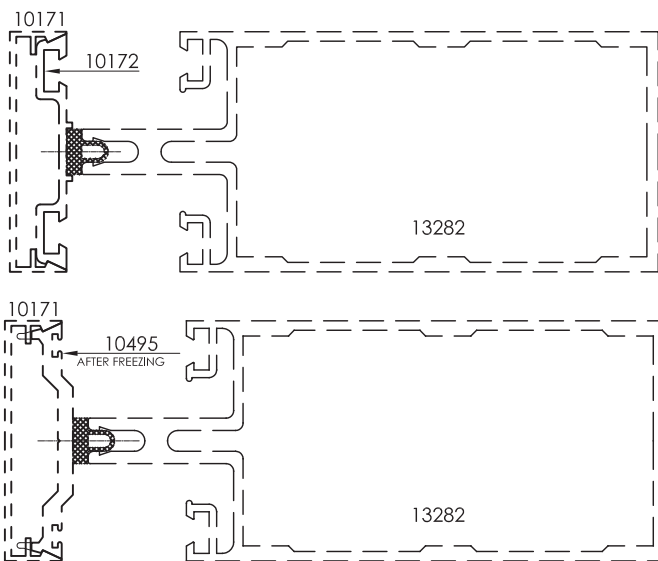
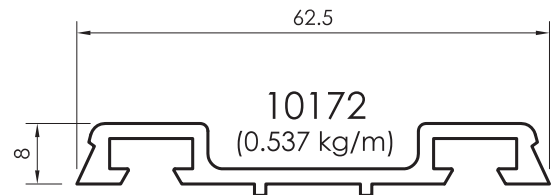
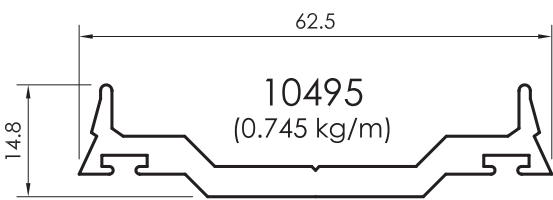
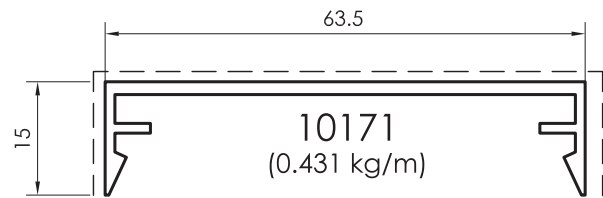
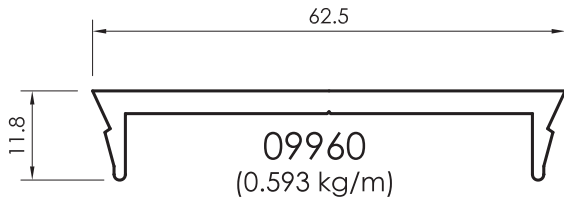
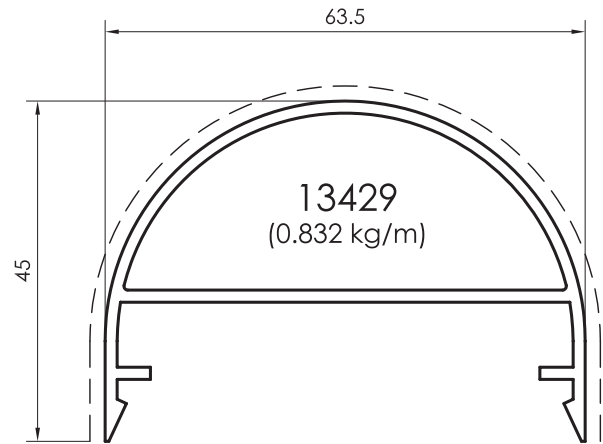
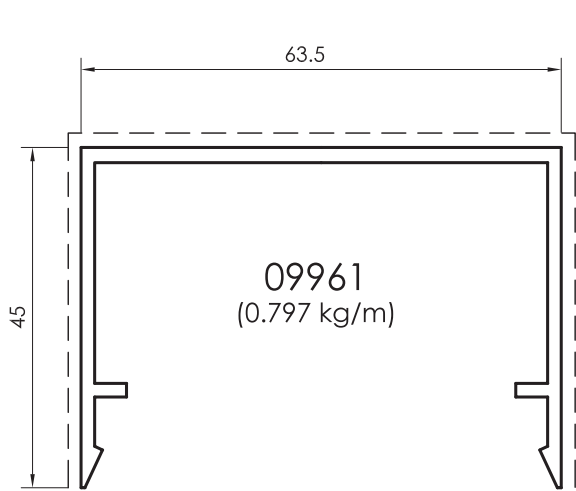
All dimensions in mm
Visible area_-----

Curtain Wall - 63.5mm



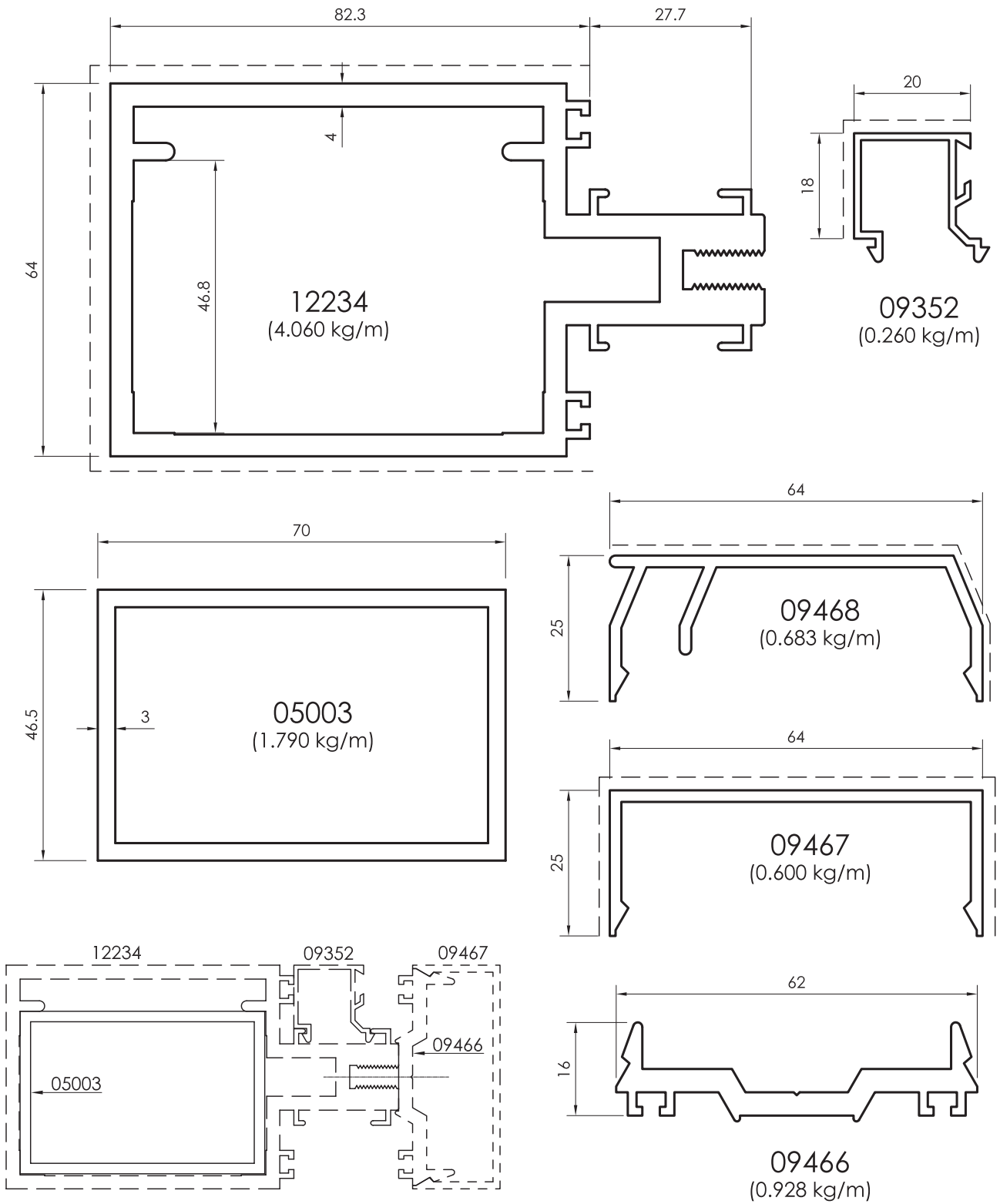
All dimensions in mm
----- Visible area

Curtain Wall - 63.5mm



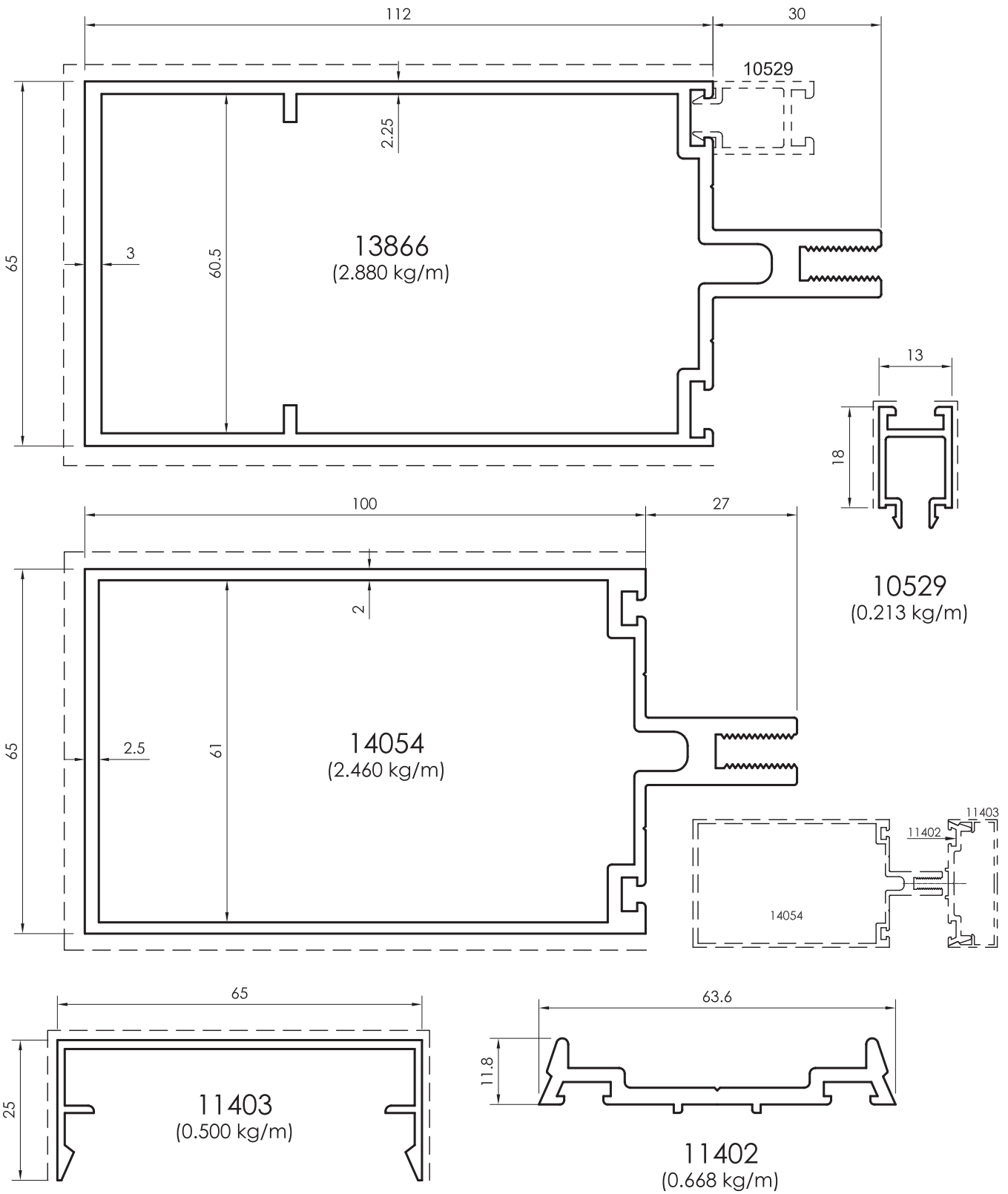
All dimensions in mm
Visible area_____

Curtain Wall - 64mm



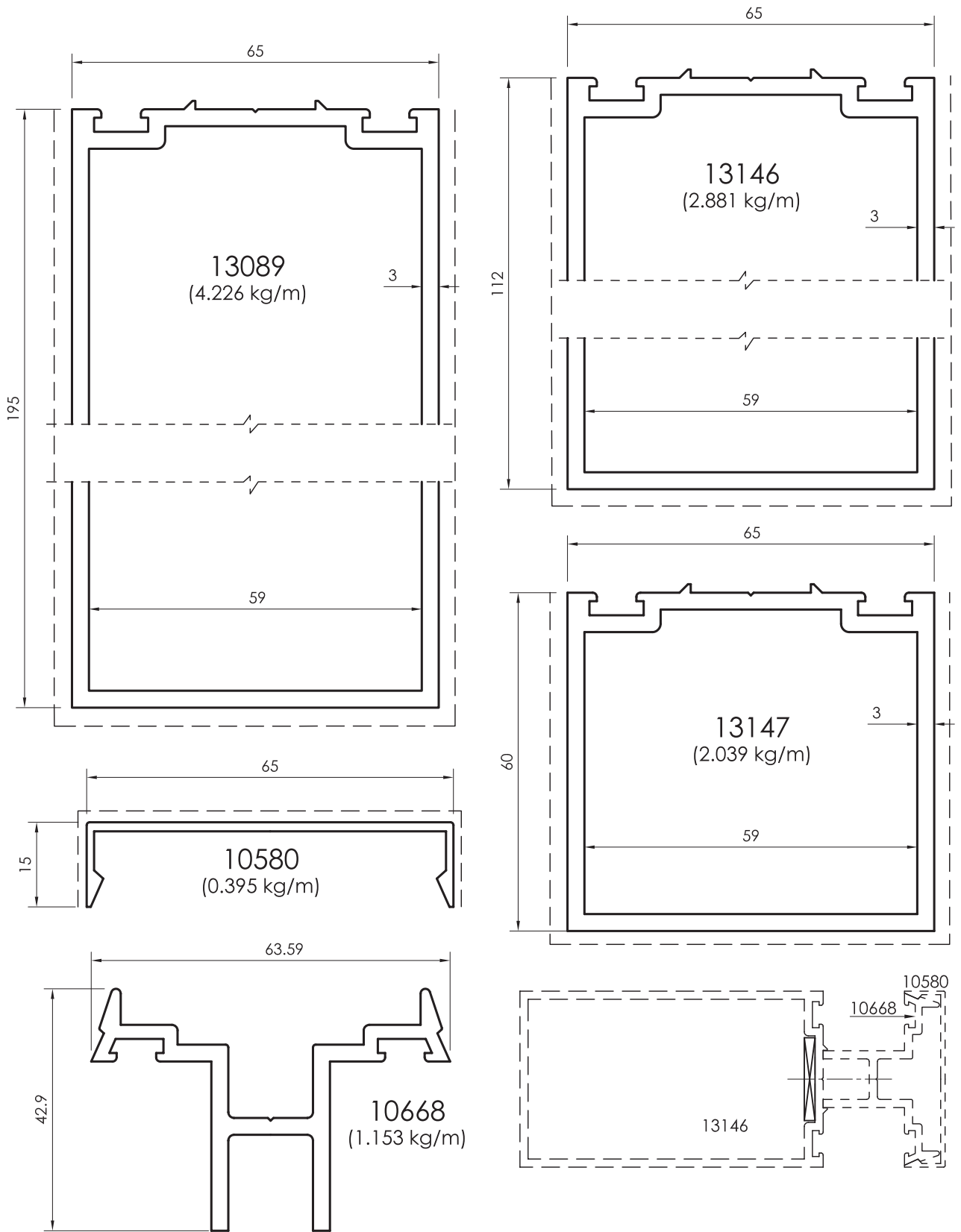
All dimensions in mm
 ----- Visible area

Curtain Wall - 65mm



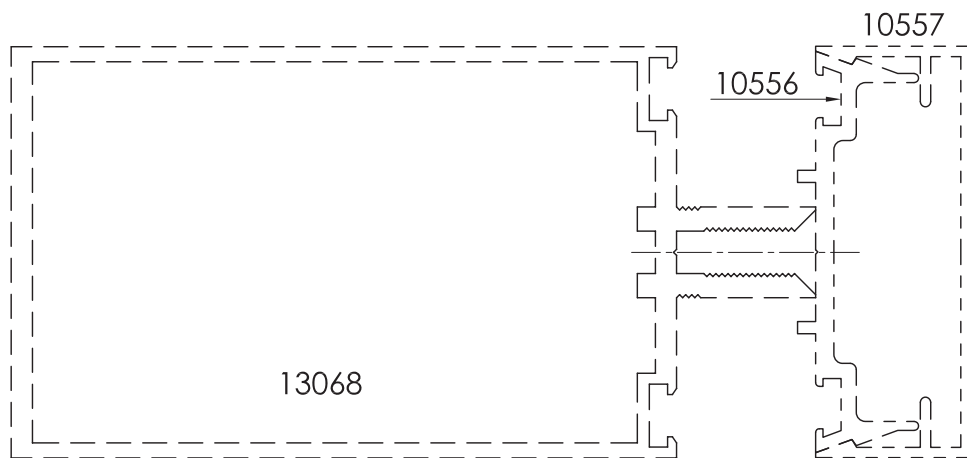
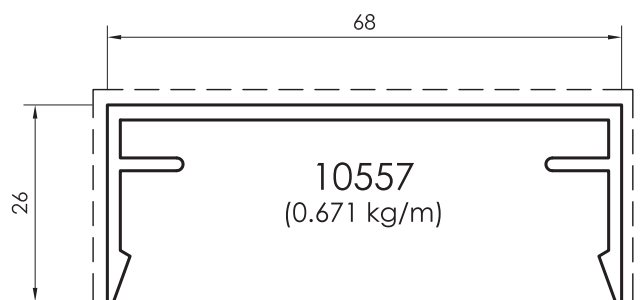
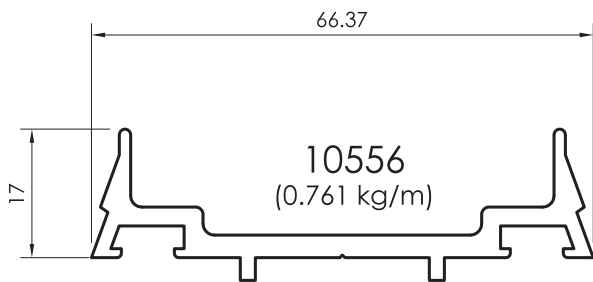
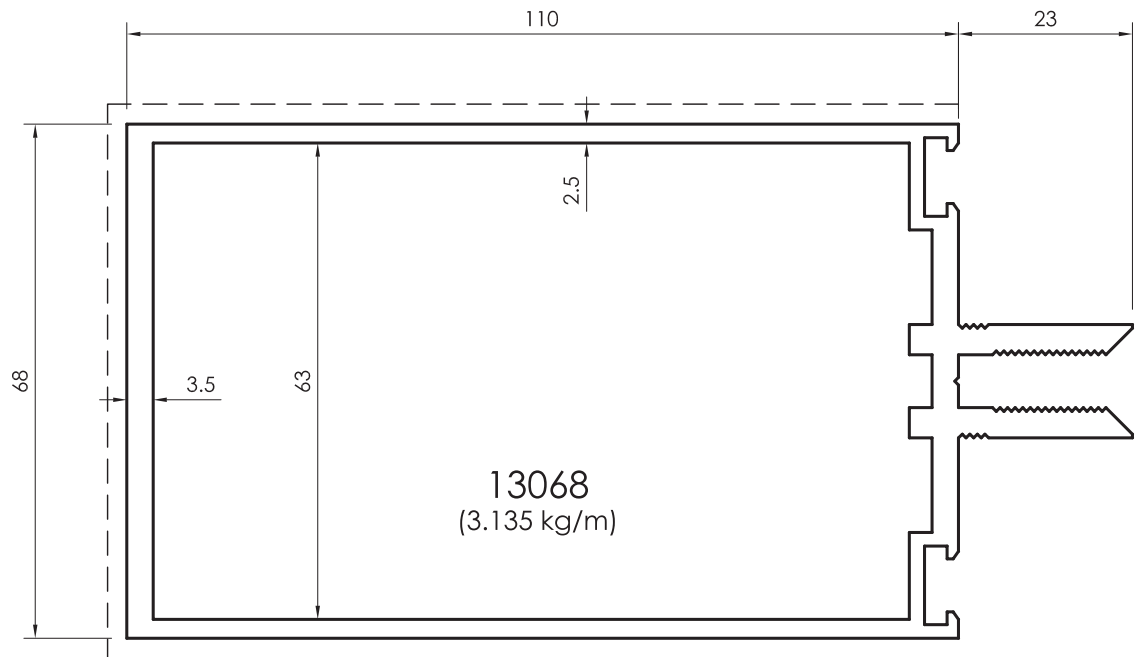
All dimensions in mm
Visible area_-----

Curtain Wall - 65mm



All dimensions in mm
 - - - - - Visible area

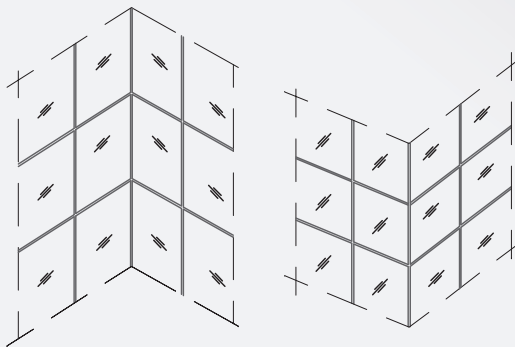
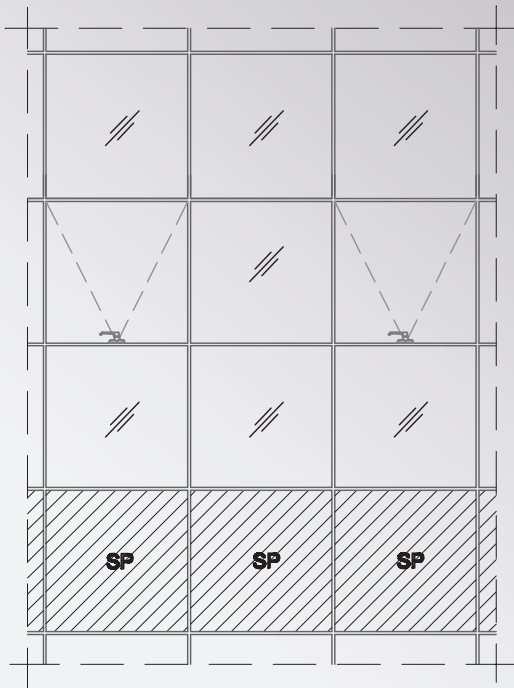
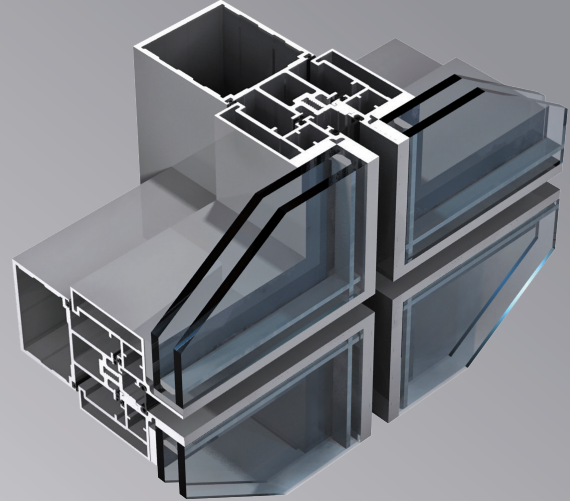
Curtain Wall - 68mm



All dimensions in mm
Visible area_-----

VORTEX 70mm

- Features Glass - 6mm to 32mm
- Alloys - 6063 / 6060/ 6061 / 6082
- The System consists of 70mm width
- The System can provide the possibility of large glass panels.
- The System used for Four way
- The System used in high structures
- Casements are Italian Openings
- EPDM Gasket
- Finishes:
Powder Coates
Anodizing
According to Shades available in Gulf Extrusions



Vortex 70 is a unique curtain wall structure that combines multi-structural grid to create various aspects, starting with four way structural curtain wall systems. Vortex 70 has proven to be a curtain wall solution perfectly tailored to the Middle East market requirement.

FEATURES:

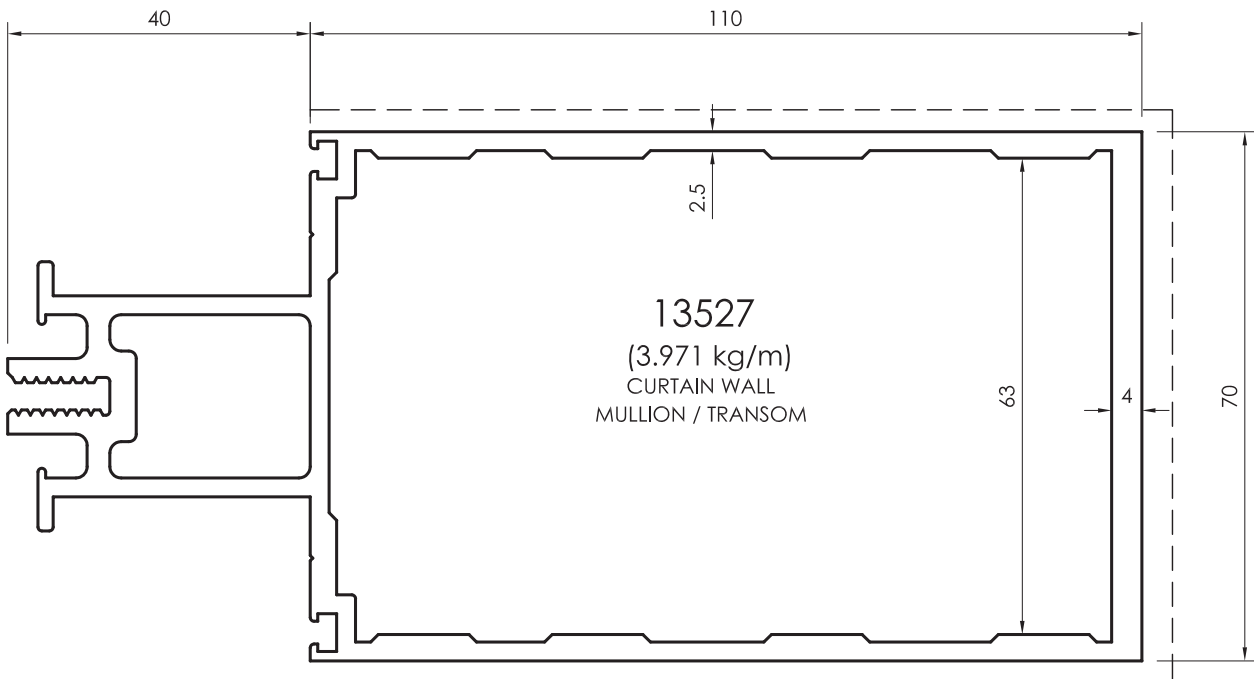
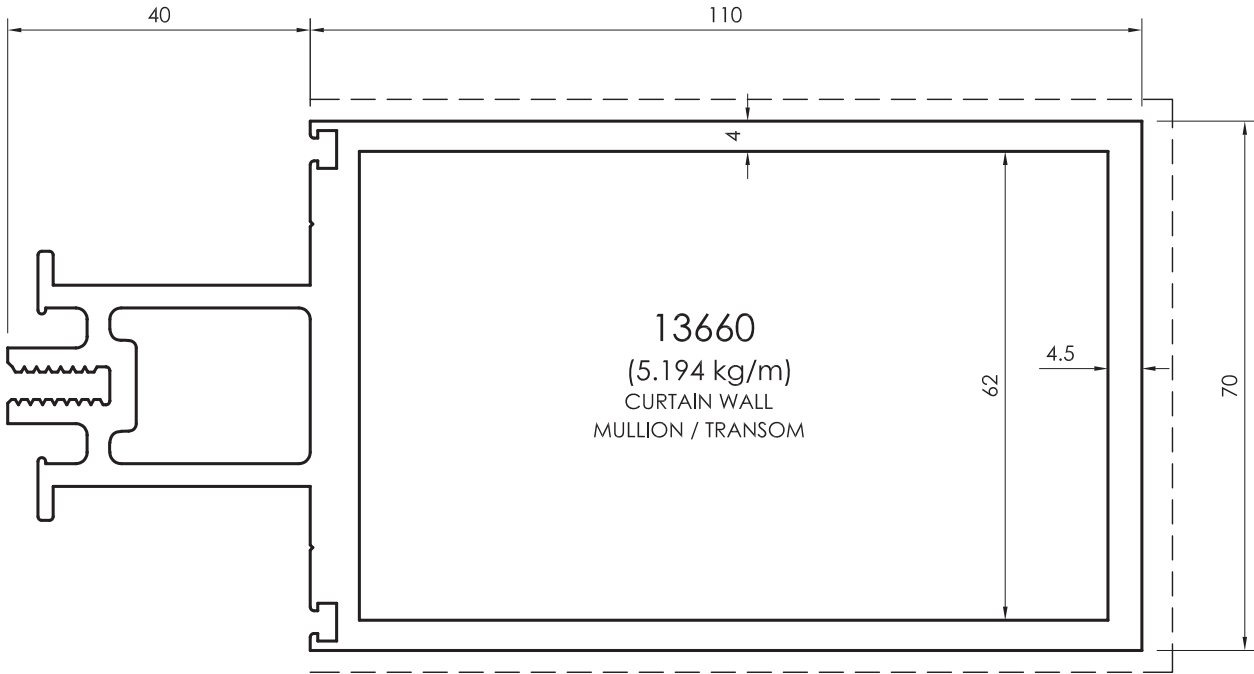
The "Vortex 70" system consists of 70mm width structure components allowing several external appearances. It is fast to manufacture and to install. With the wide range of profile selection, the system can provide the possibility of large glass panels, maintaining the stiffness and rigidity of the curtain wall structure. Mullions can be reinforced by Aluminium or Steel tubes to enhance the free span area, making it possible for the use in high structures.

Special casements for the "Vortex 70" system have been developed giving two options of cold and thermally insulated profiles. Casements are Italian openings with selected stay arms to ensure the tightness and stability of the opening. Vortex uses the same structures for multifunctional applications:

Four way structural aspects is a curtain wall aspect which conceals the aluminium structure from the outside making it completely invisible. Concealed openings are designed in order to keep the external appearance of the structure uniform even in the presence of the opening. The four way structural applications is obtained by fixing a glass toggle to the glass holding the panel by a specially designed aluminium spacer, well sealed by a structural sealant to ensure the rigidity of panel. The space between glass panels is sealed by a neutral sealant for aesthetic and water tightness purposes; this application is the most common application in the MENA region.

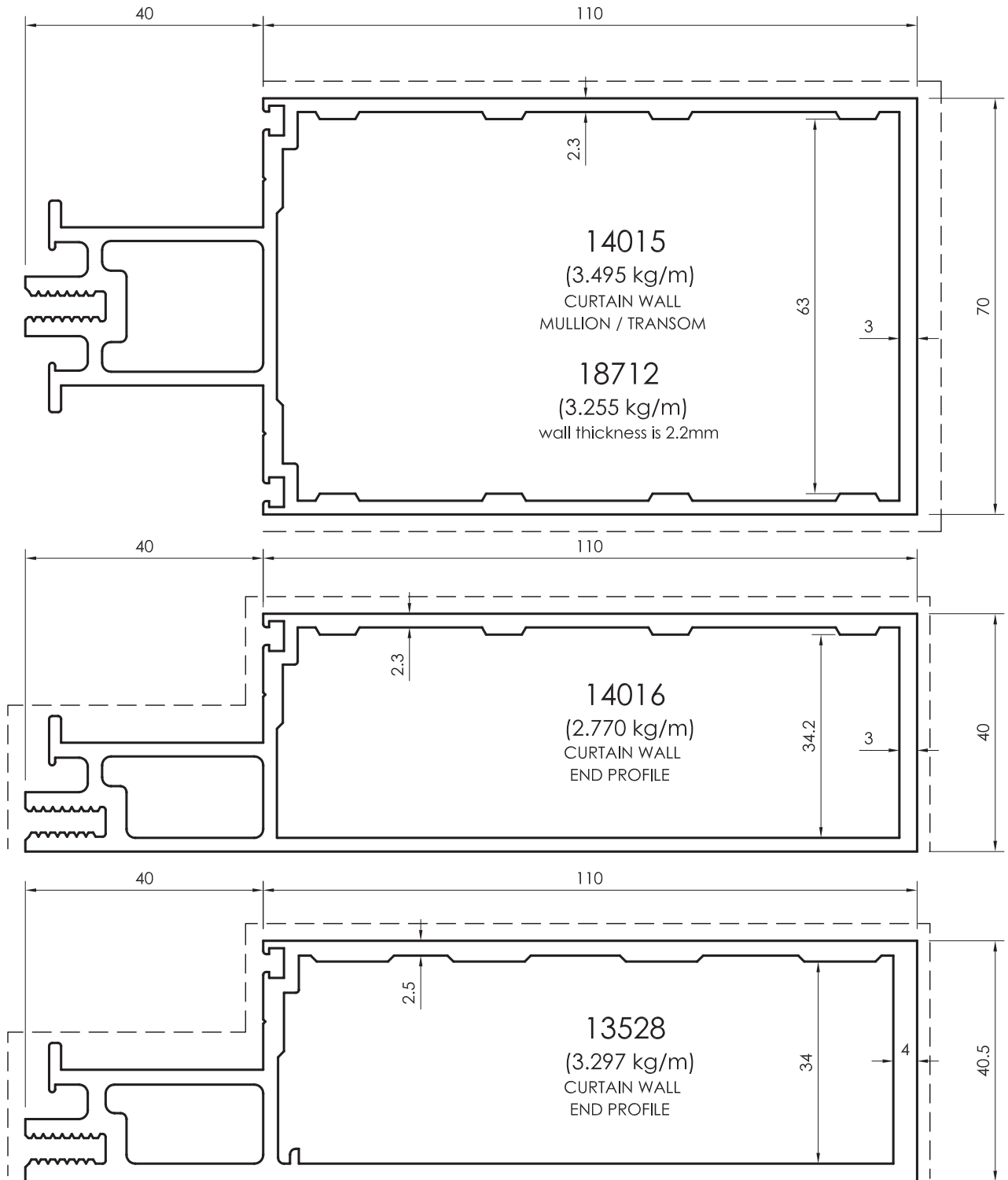
Glass thickness range between 6mm – 32mm

Mullion / Transom Profiles



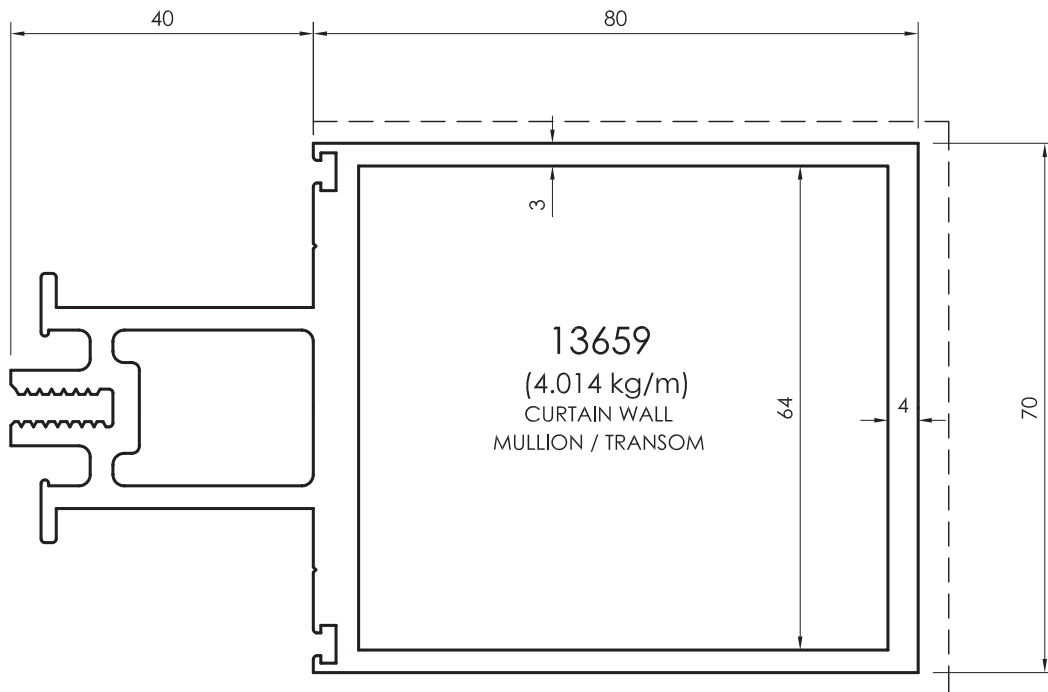
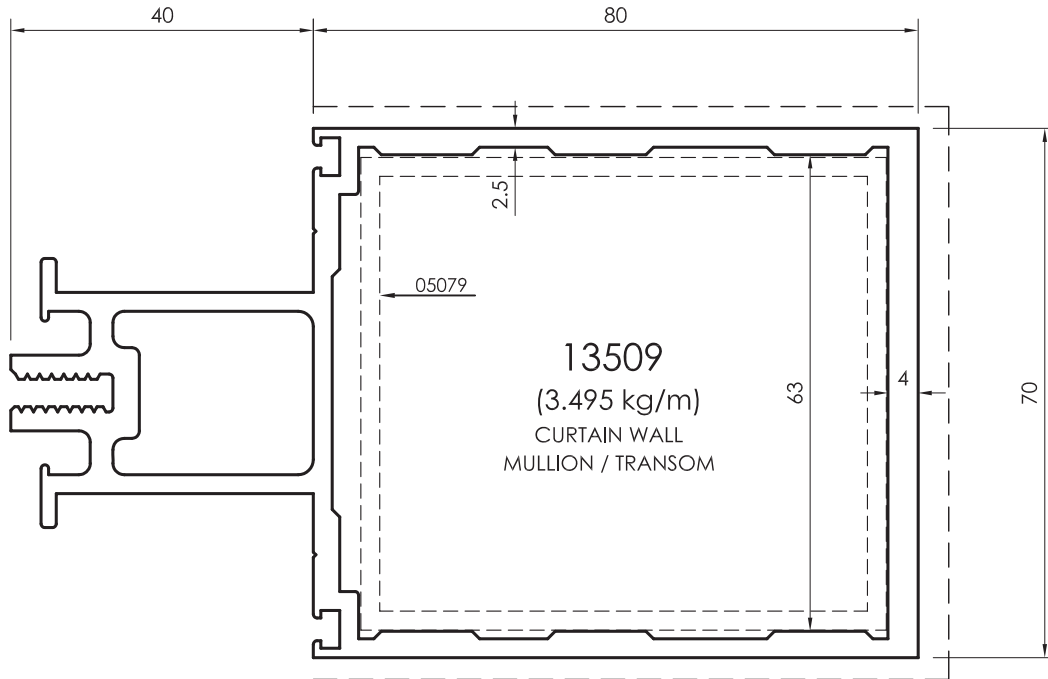
All dimensions in mm
Visible area_____

Mullion / Transom Profiles



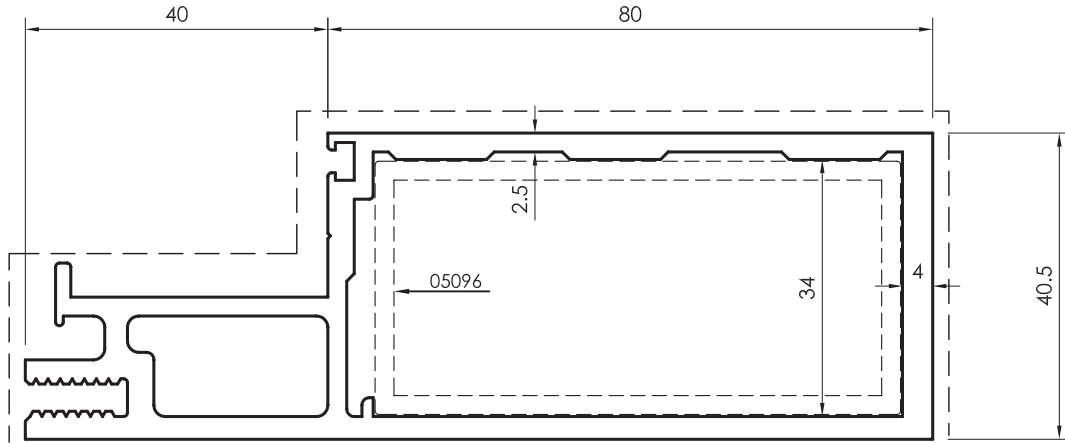
All dimensions in mm
 ----- Visible area

Mullion / Transom Profiles

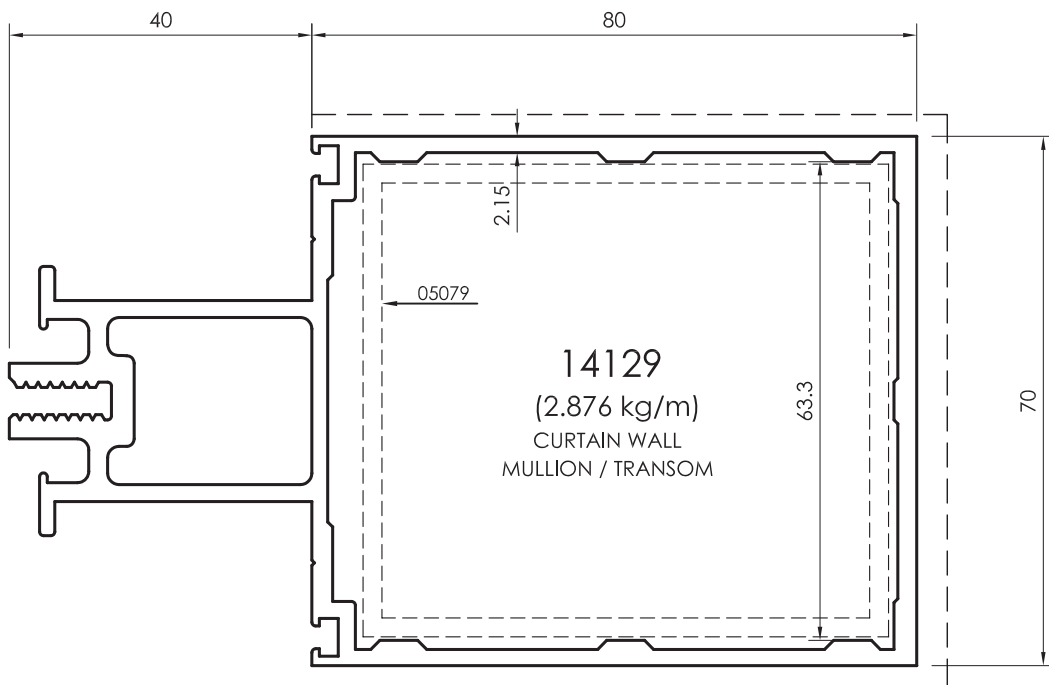


All dimensions in mm
Visible area_-----

Mullion / Transom Profiles



13522
(2.817 kg/m)
CURTAIN WALL
END PROFILE

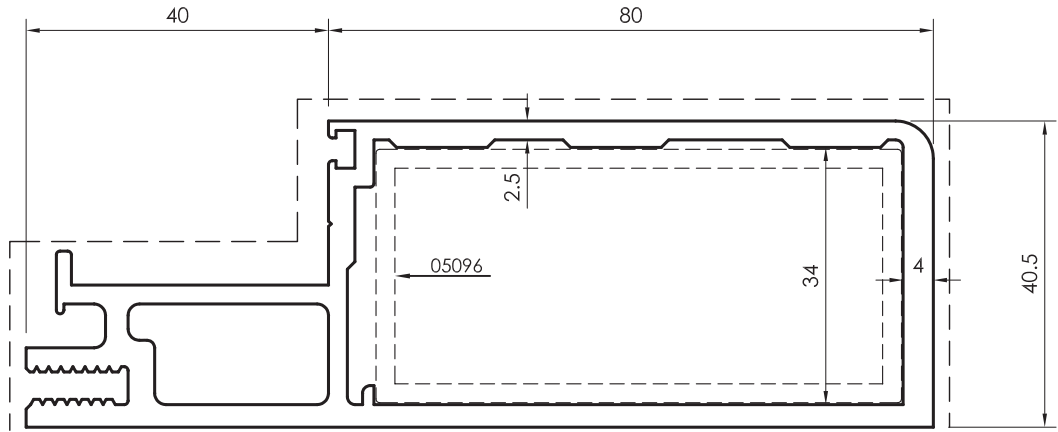


14129
(2.876 kg/m)
CURTAIN WALL
MULLION / TRANSOM

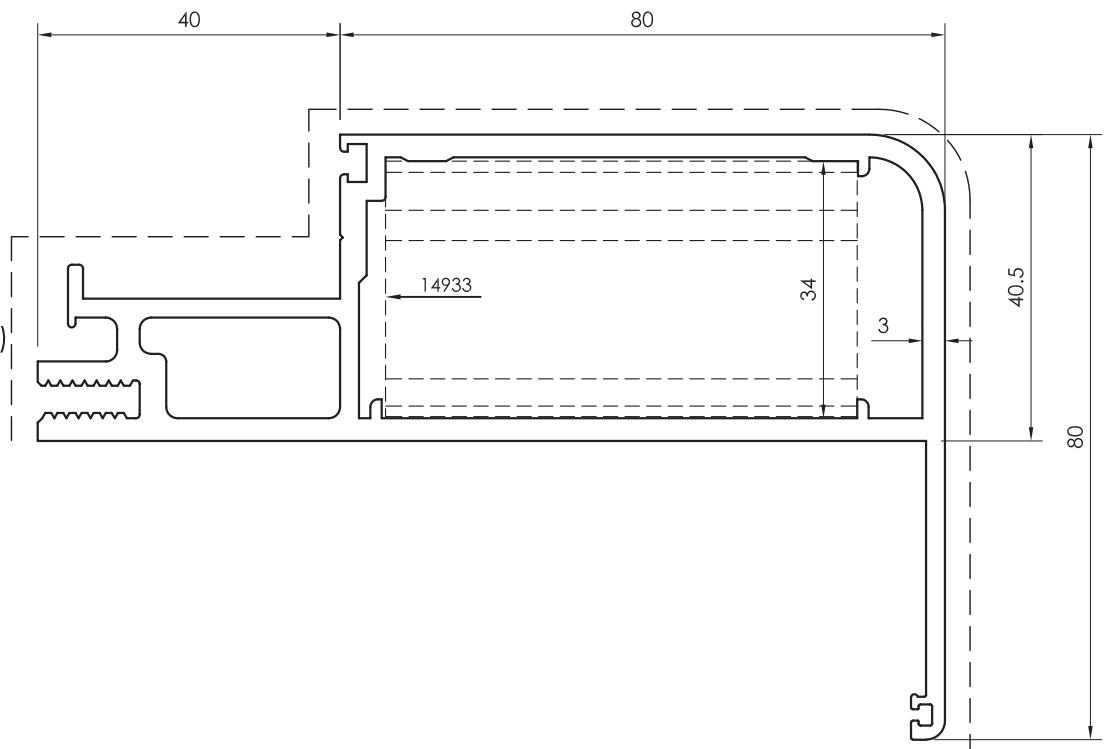
All dimensions in mm
----- Visible area

Mullion / Transom Profiles

14233
(2.803 kg/m)
CURTAIN WALL
END PROFILE



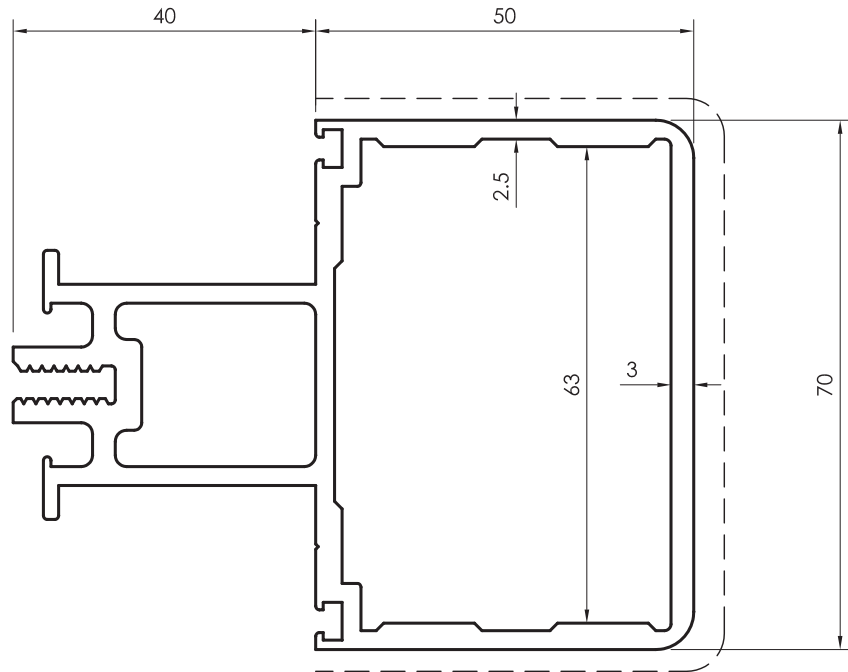
17902
(2.995 kg/m)
CURTAIN WALL
END PROFILE



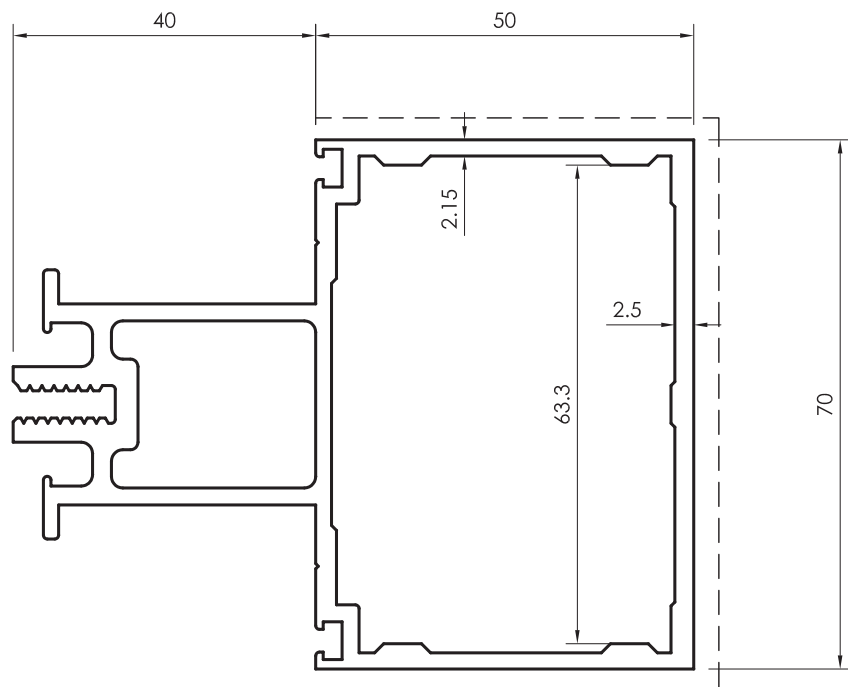
All dimensions in mm
Visible area_-----

Mullion / Transom Profiles

14234
(2.817 kg/m)
CURTAIN WALL
MULLION / TRANSOM



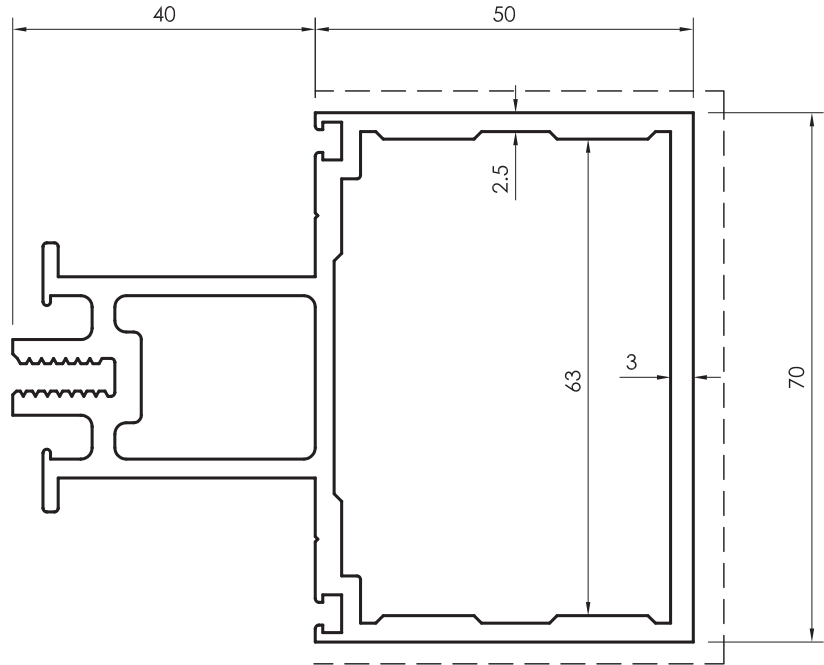
14128
(2.487 kg/m)
CURTAIN WALL
MULLION / TRANSOM



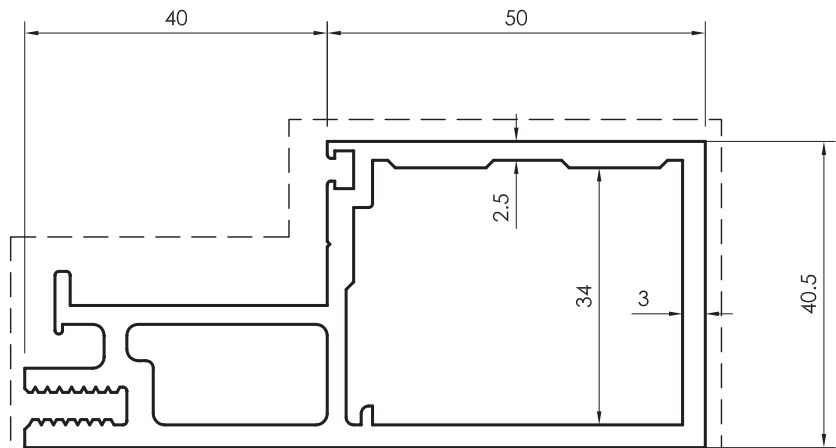
All dimensions in mm
----- Visible area

Mullion / Transom Profiles

13510
 (2.845 kg/m)
 CURTAIN WALL
 MULLION / TRANSOM

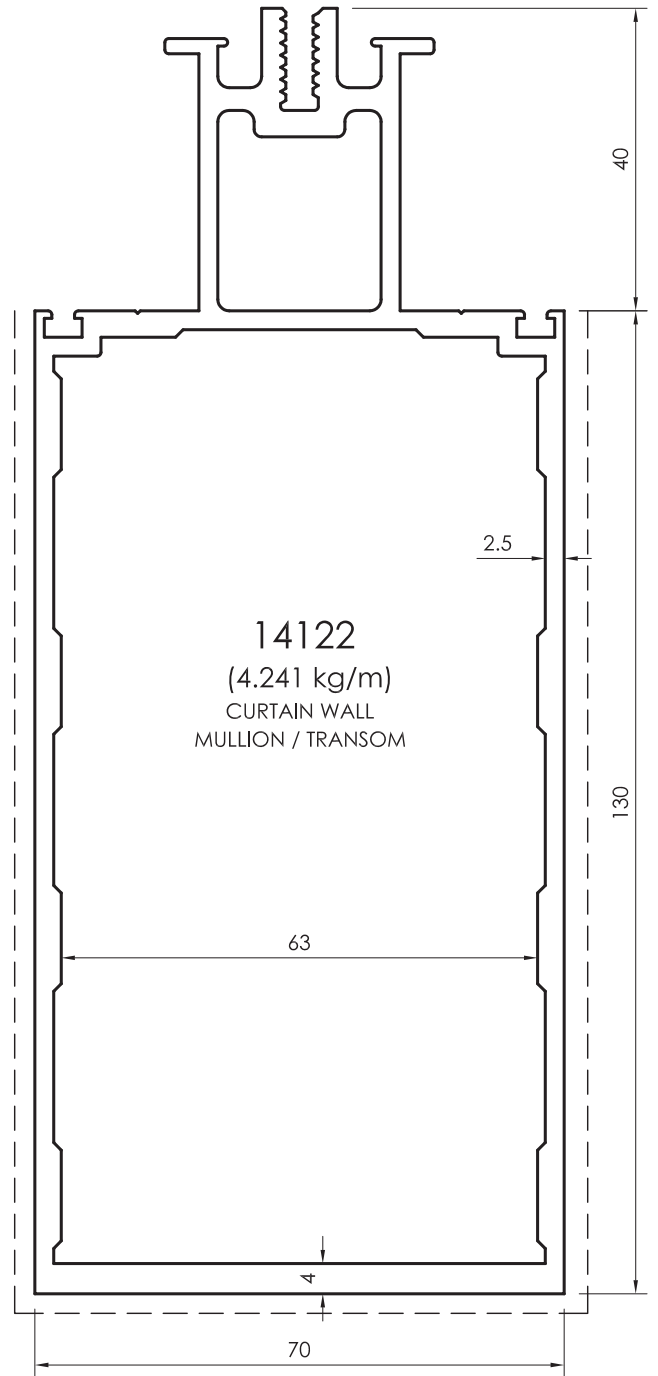
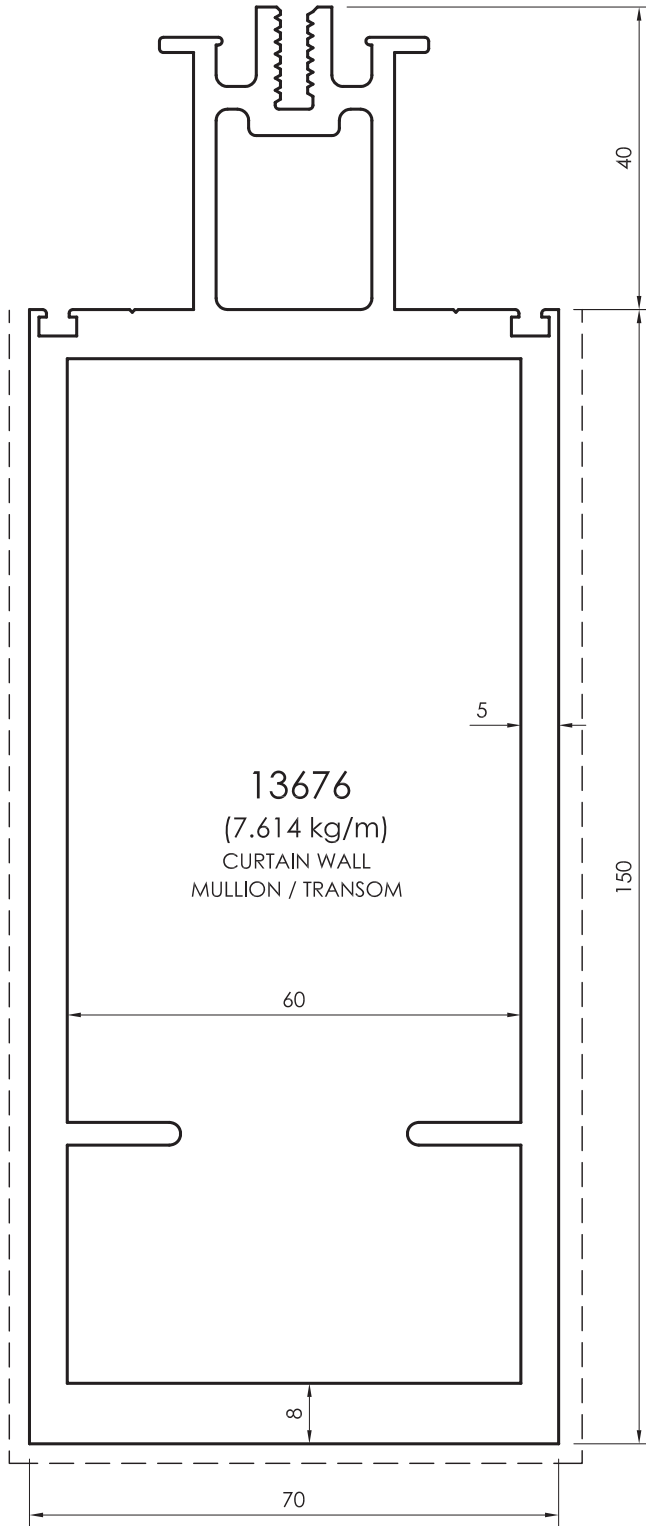


13621
 (2.242 kg/m)
 CURTAIN WALL
 END PROFILE



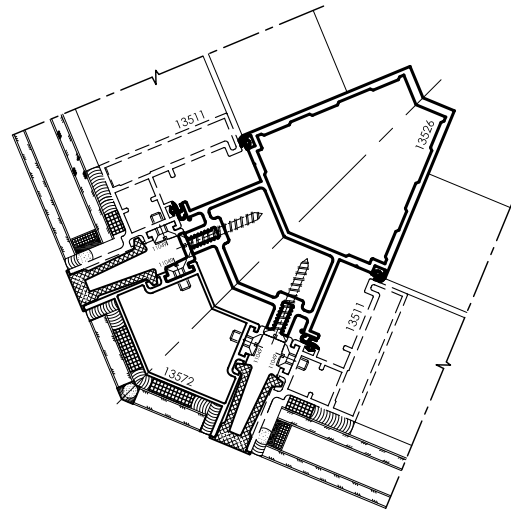
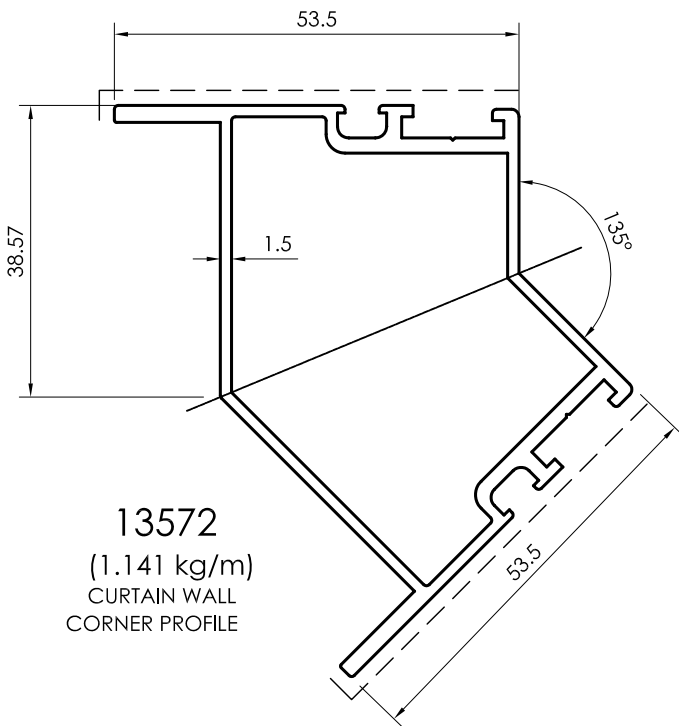
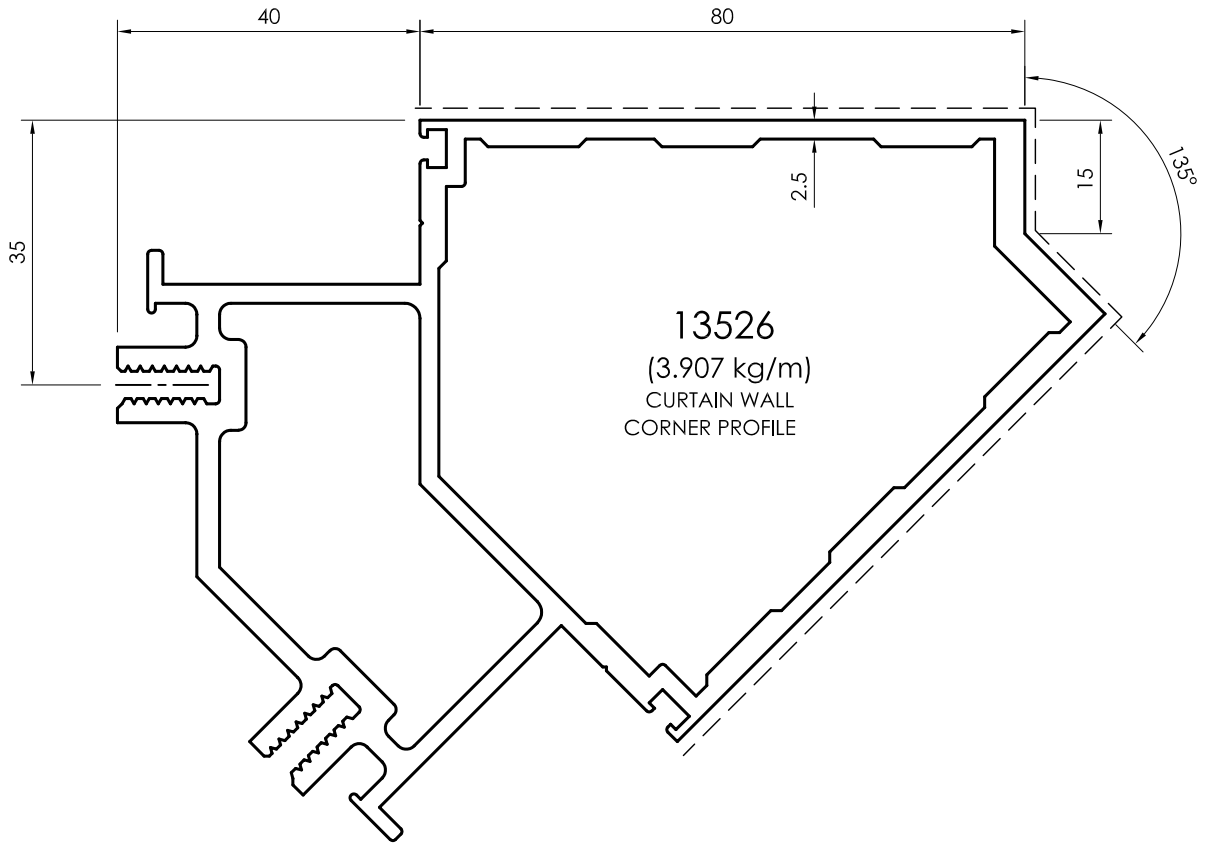
All dimensions in mm
 Visible area_-----

Mullion / Transom Profiles



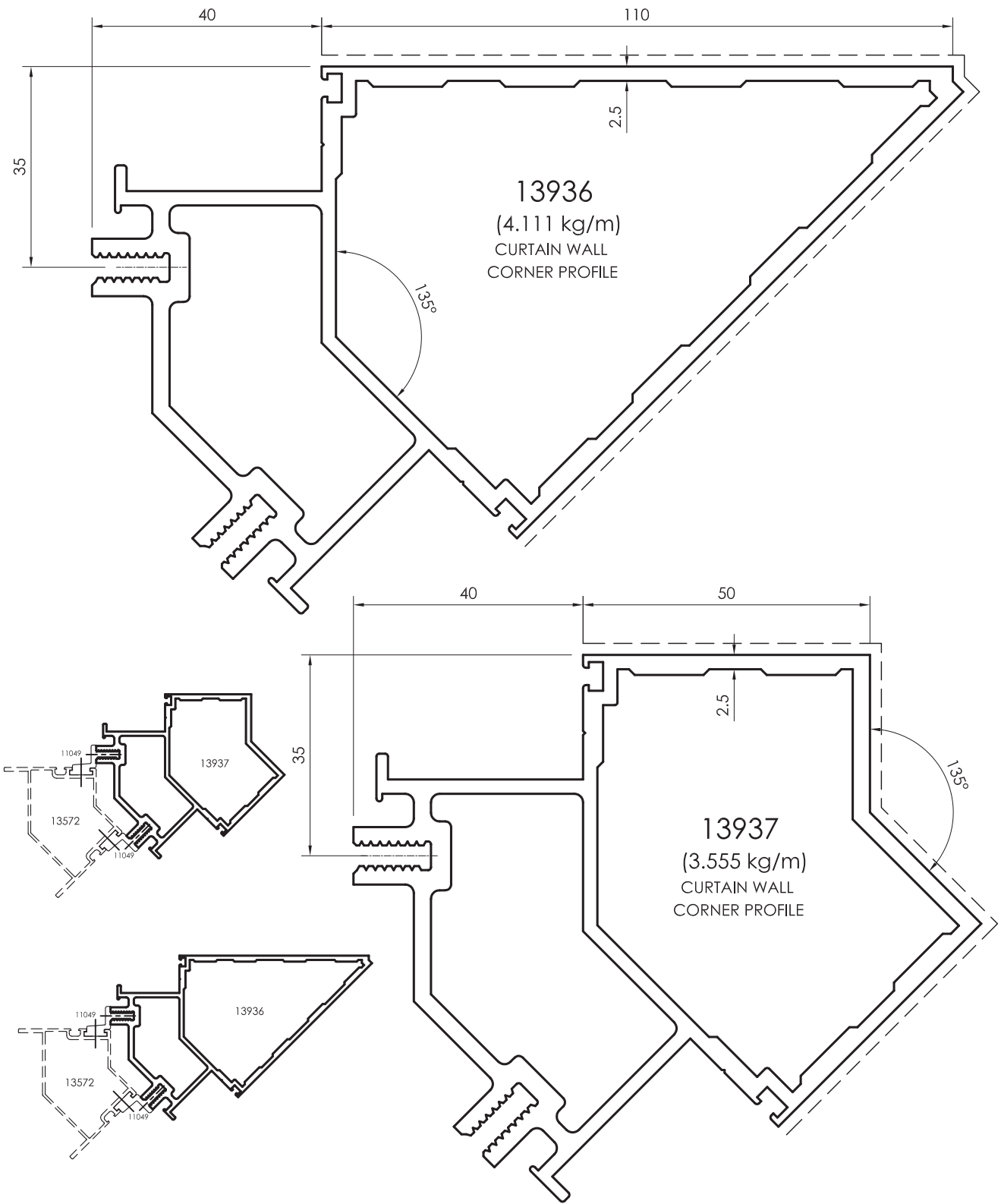
All dimensions in mm
----- Visible area

Corner Profiles



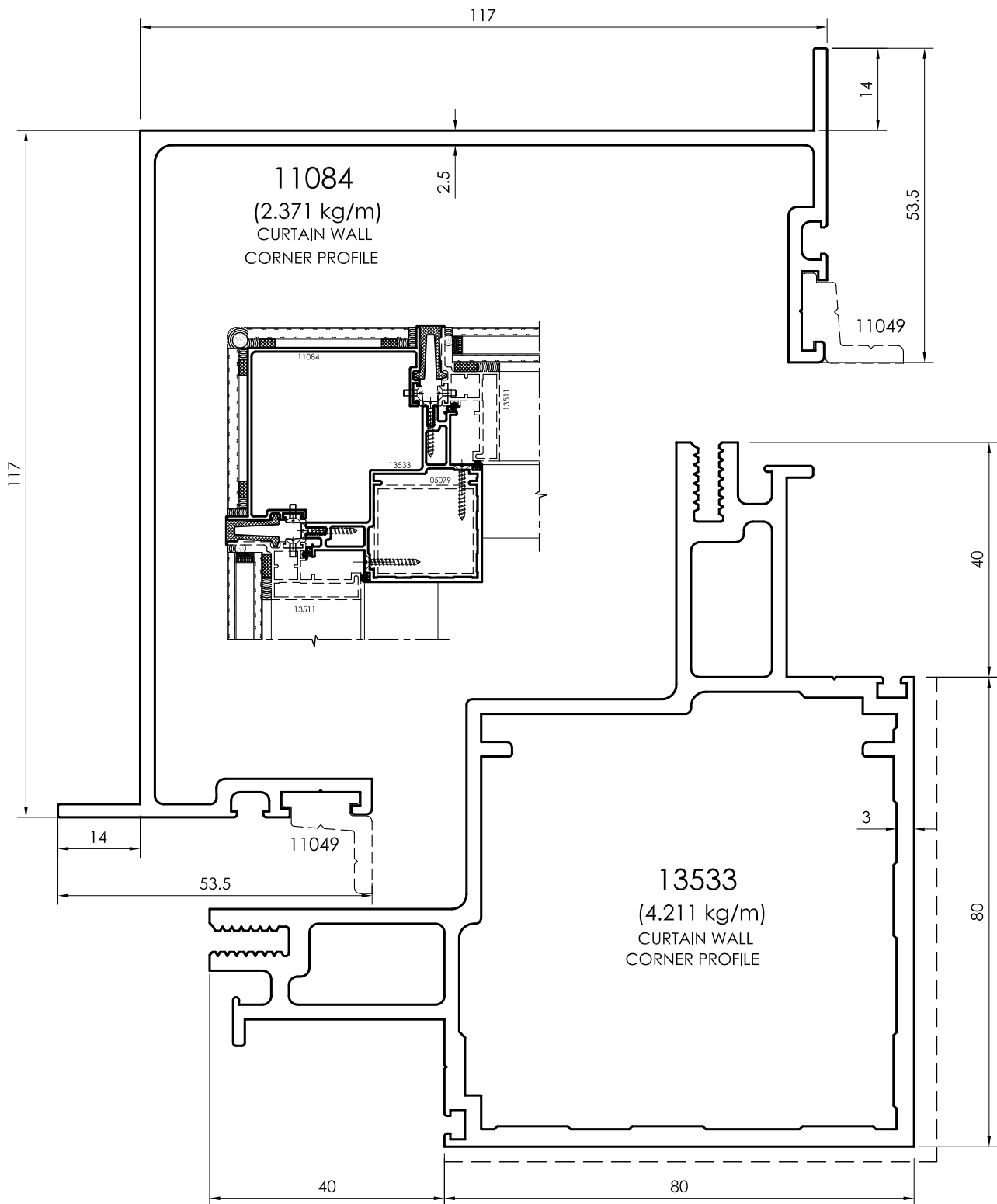
All dimensions in mm
Visible area_-----

Corner Profiles



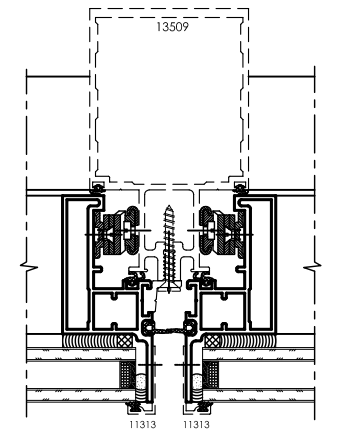
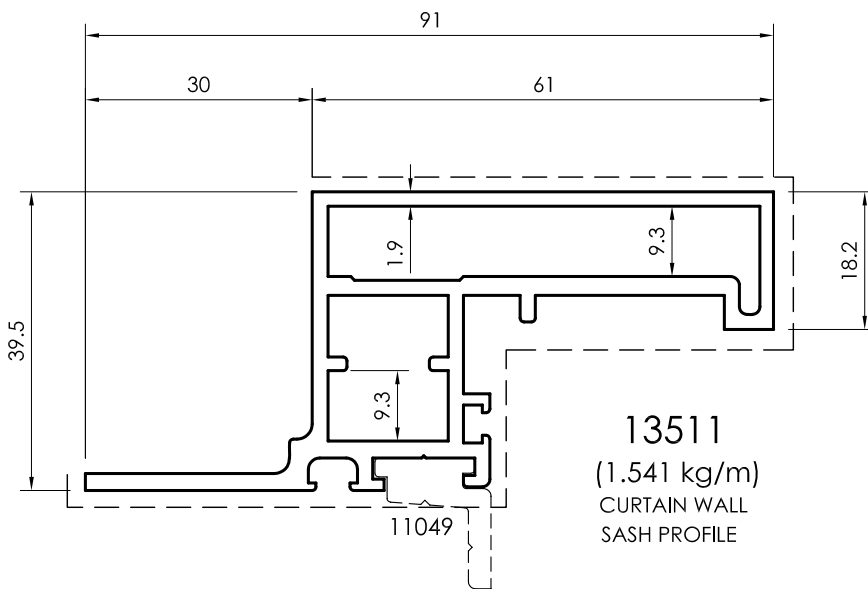
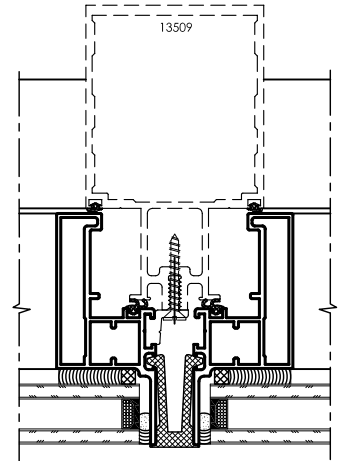
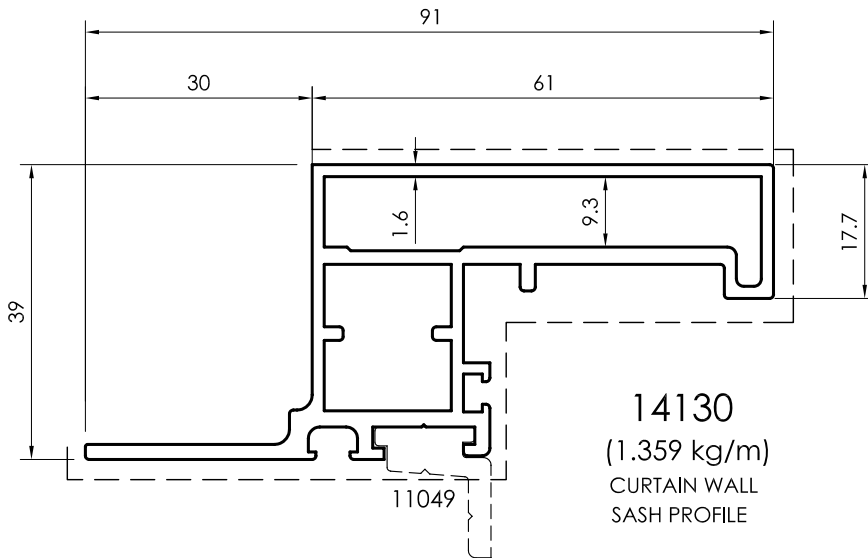
All dimensions in mm
----- Visible area

Corner Profiles



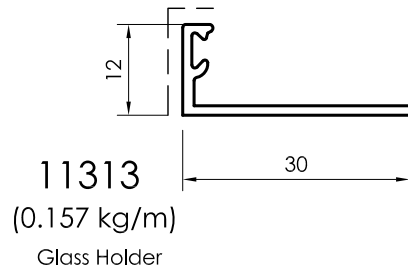
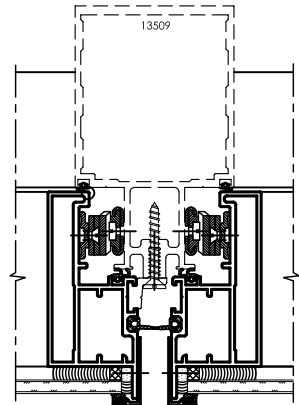
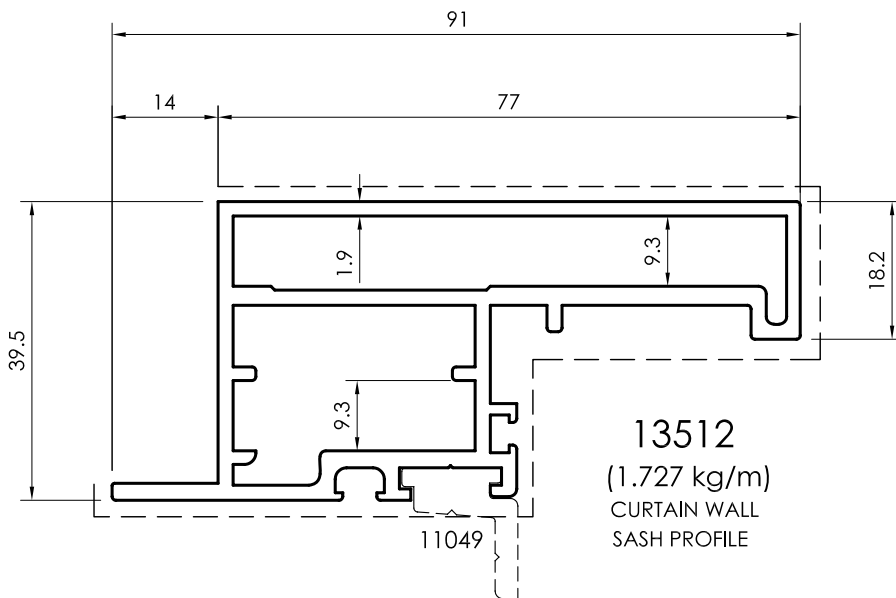
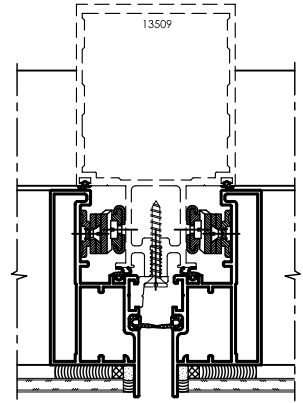
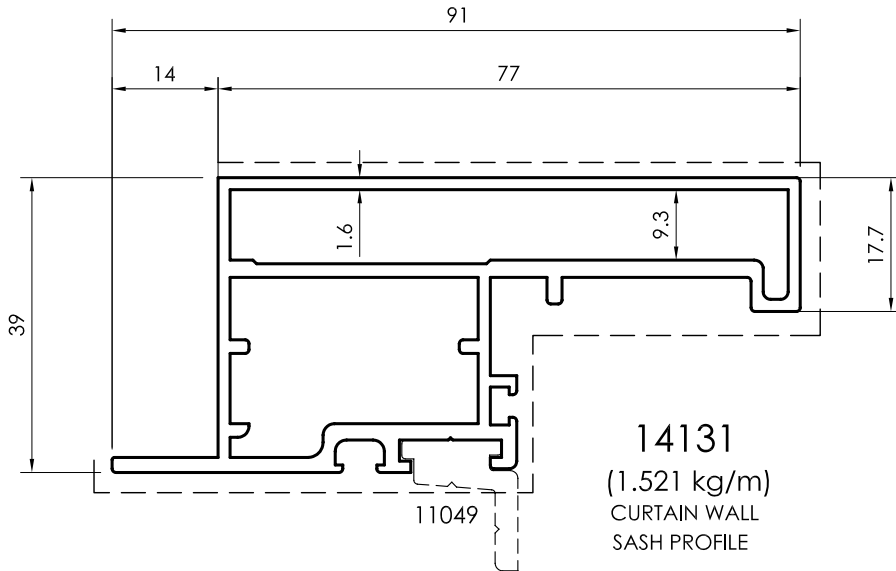
All dimensions in mm
Visible area_-----

Sash Profiles



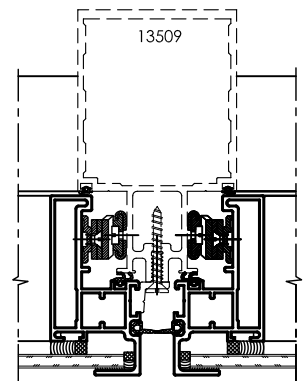
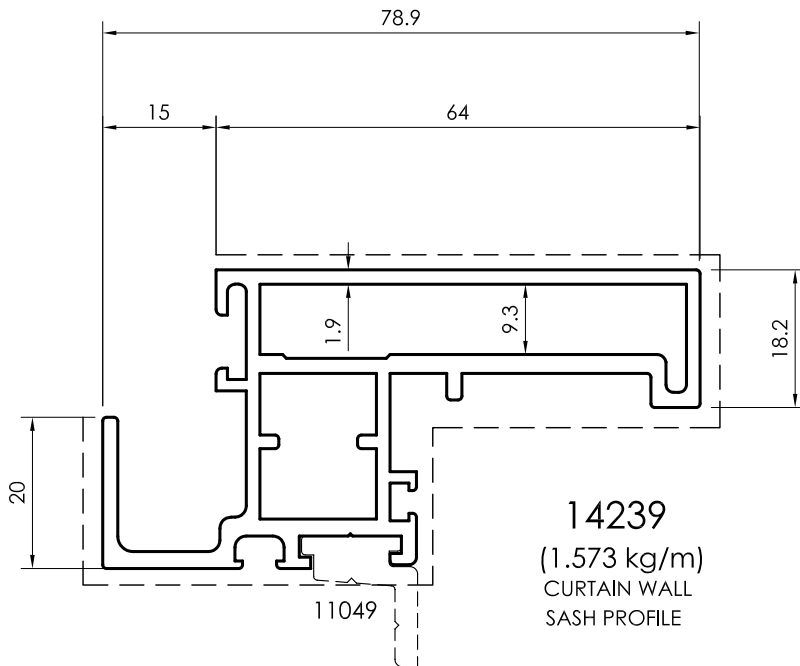
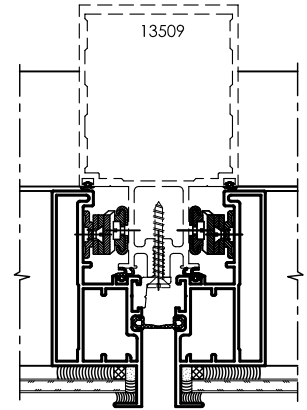
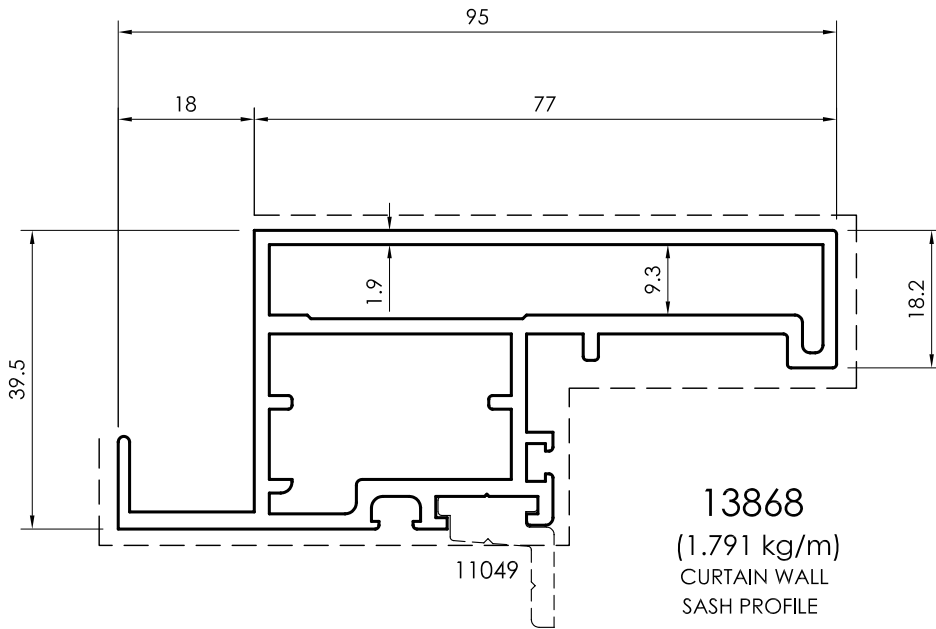
All dimensions in mm
- - - - - Visible area

Sash Profiles



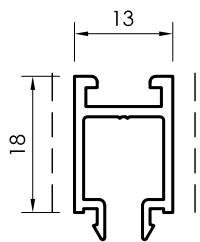
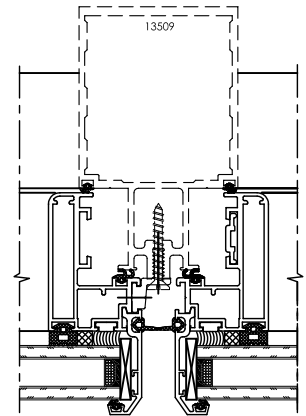
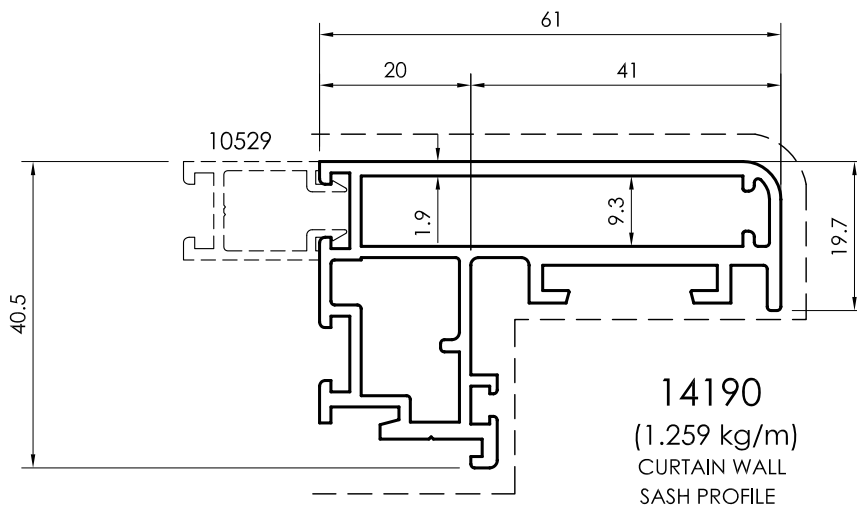
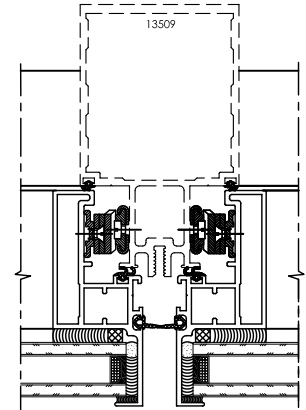
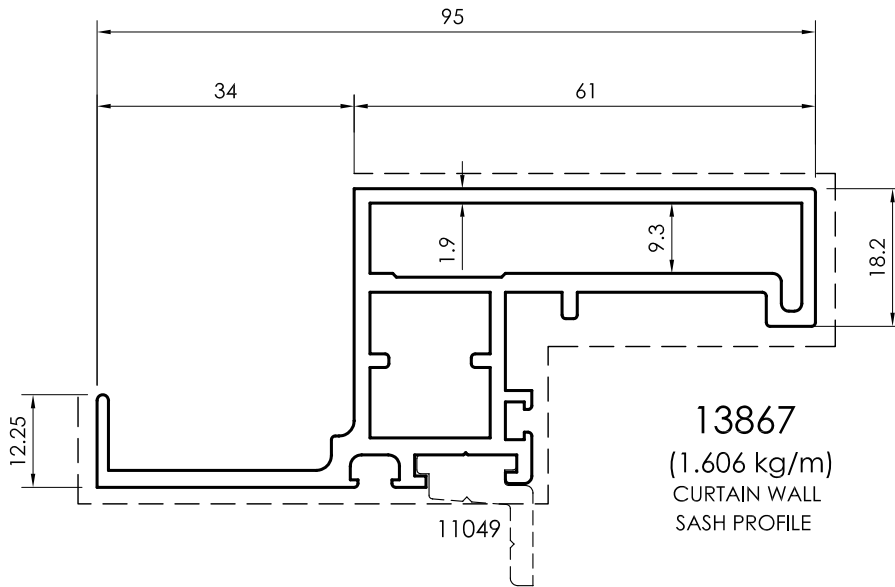
All dimensions in mm
Visible area_-----

Sash Profiles

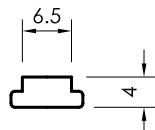


All dimensions in mm
----- Visible area

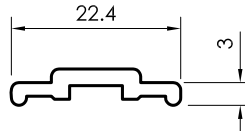
Sash Profiles



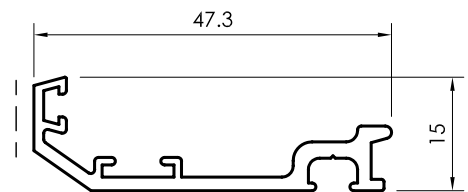
10529
(0.213 kg/m)
SINGLE GLASS
ADAPTOR



11432
(0.087 kg/m)
BONDING PROFILE



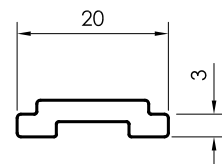
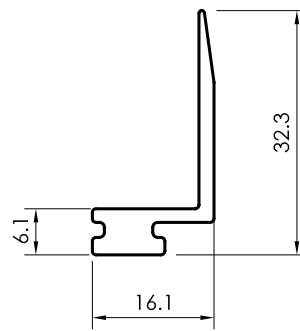
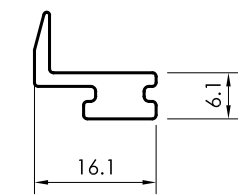
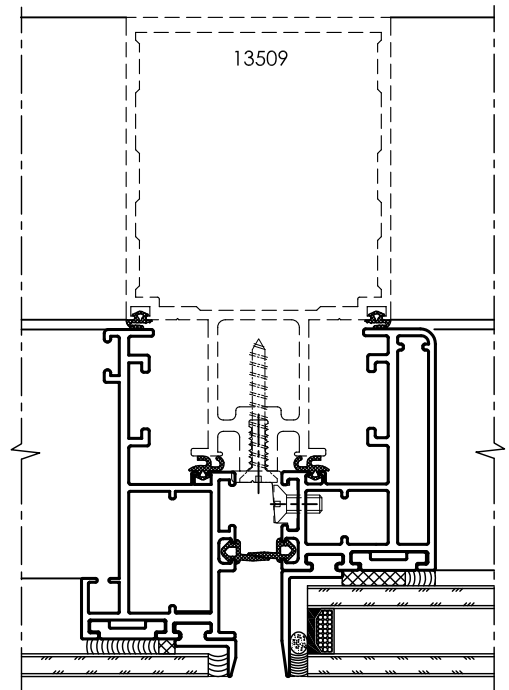
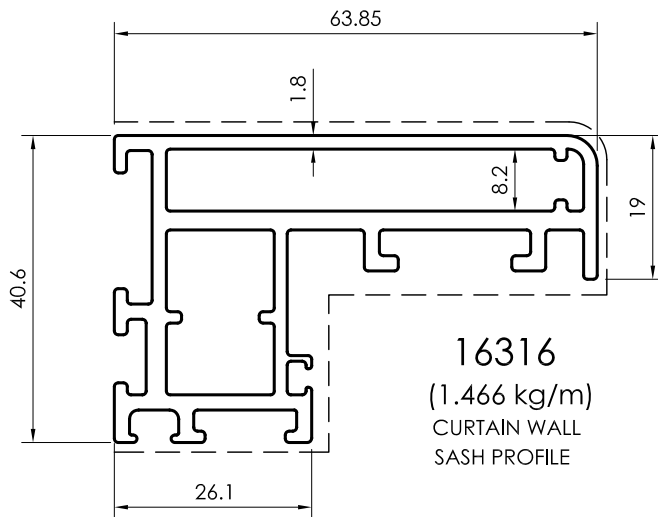
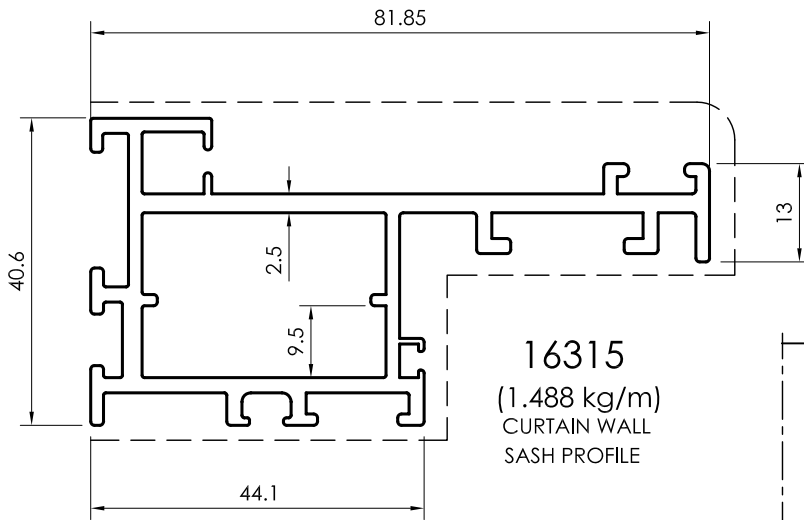
11759
(0.153 kg/m)
LOCK PROFILE



11761
(0.384 kg/m)
GLASS HOLDER

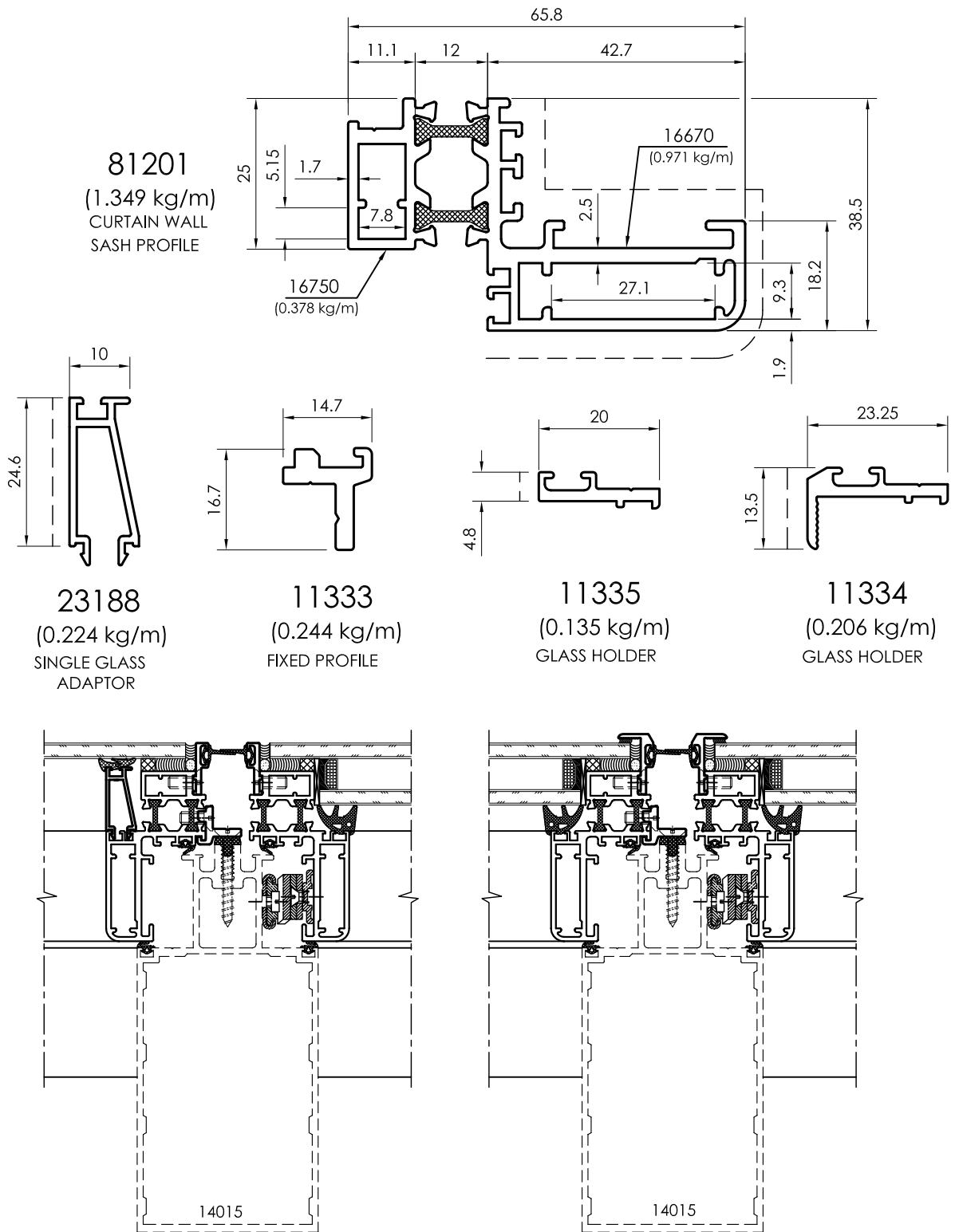
All dimensions in mm
Visible area_-----

Sash Profiles



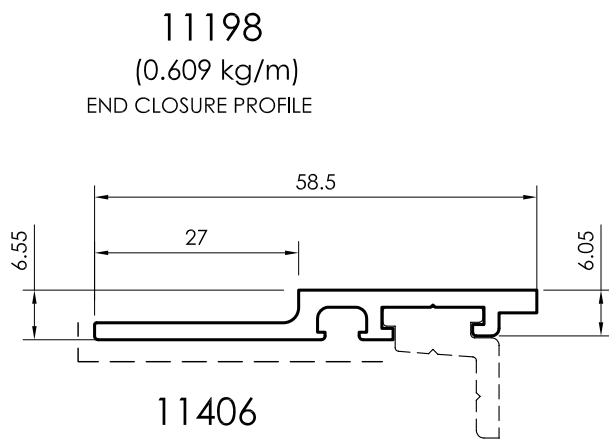
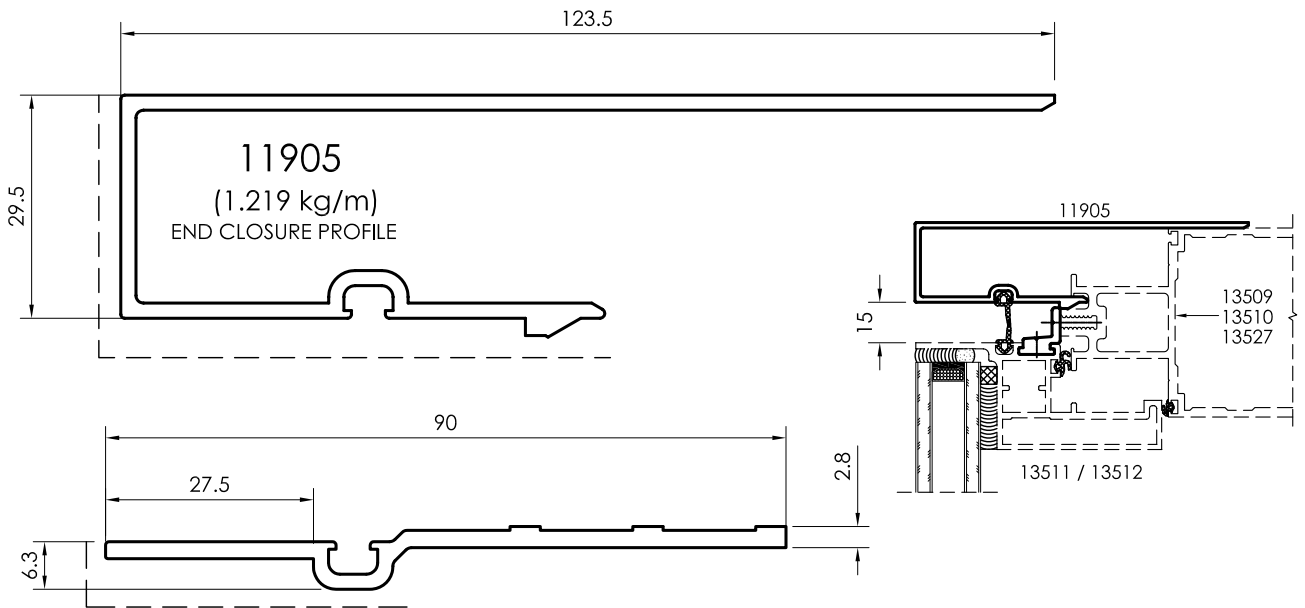
All dimensions in mm
----- Visible area

Sash Profiles
Thermal Break

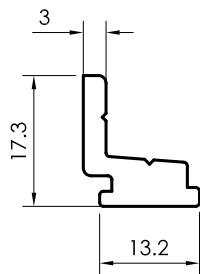


All dimensions in mm
Visible area_____

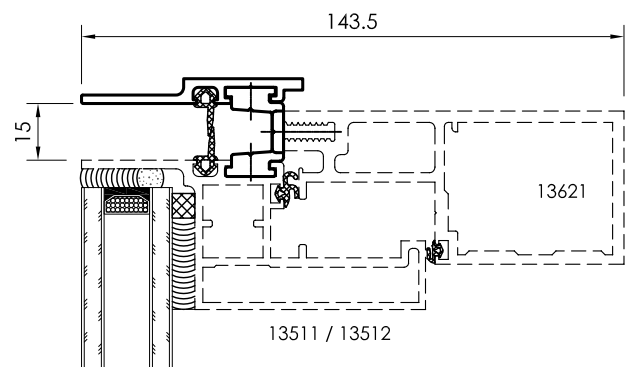
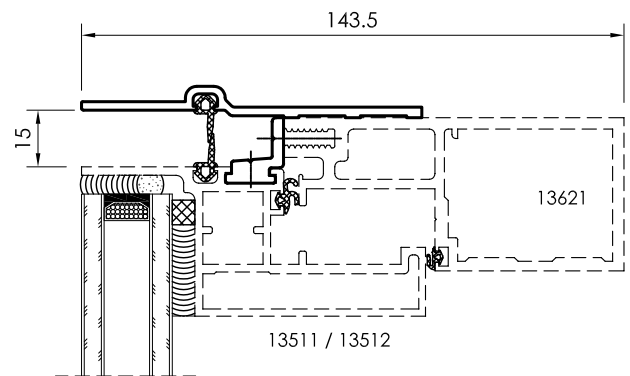
Complementary Profiles



11406
(0.459 kg/m)
END CLOSURE PROFILE

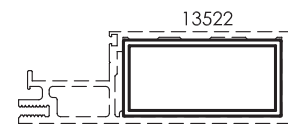
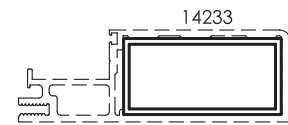
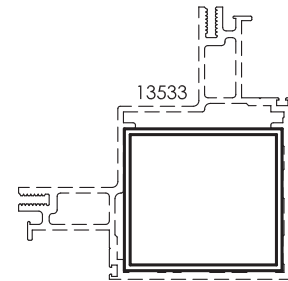
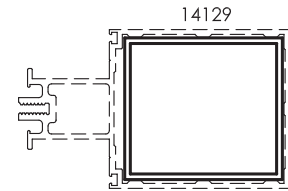
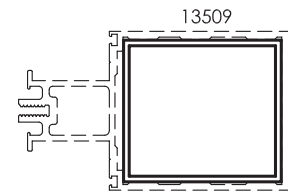
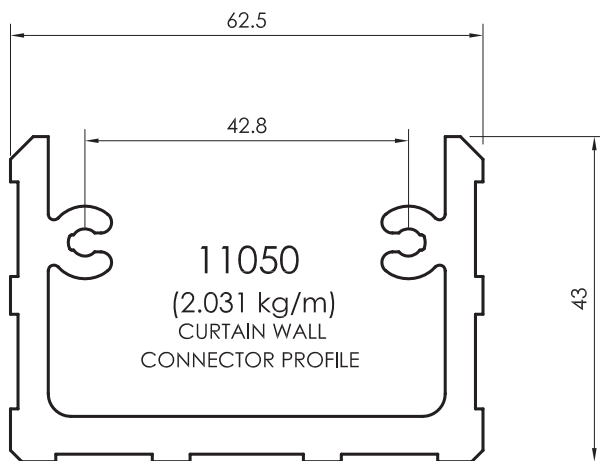
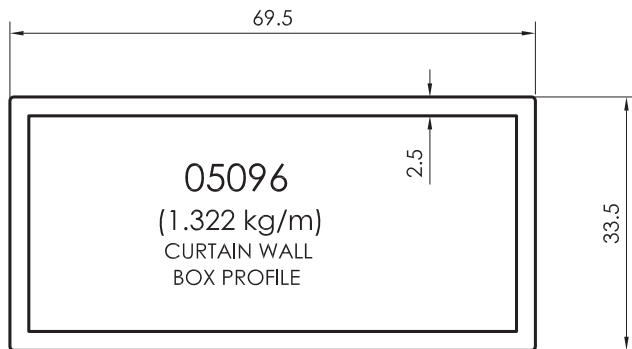
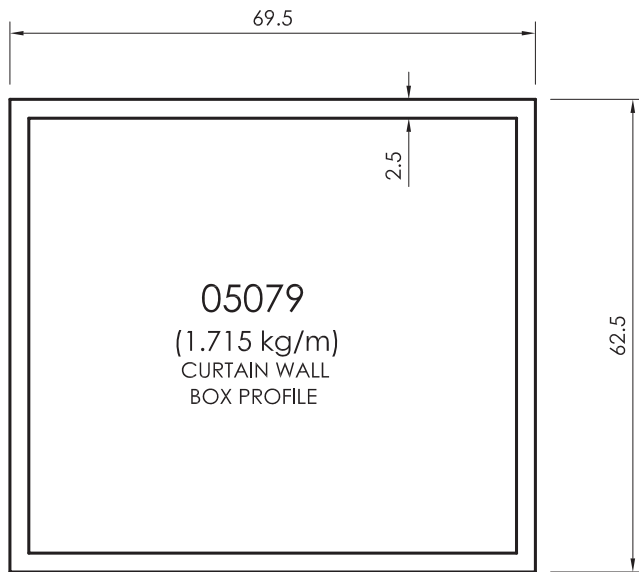


11049
(0.295 kg/m)
FIXED PROFILE



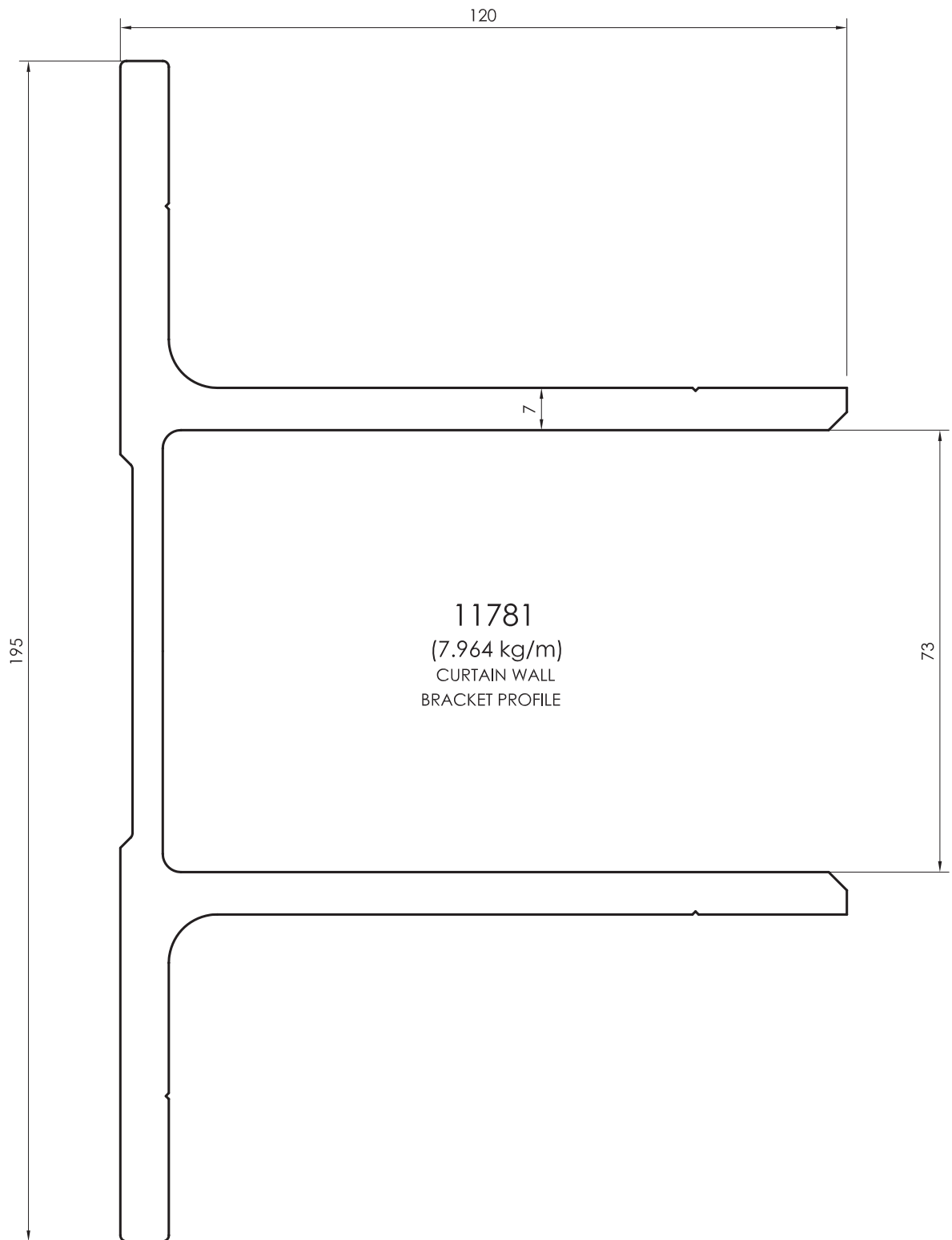
All dimensions in mm
--- Visible area

Complementary Profiles



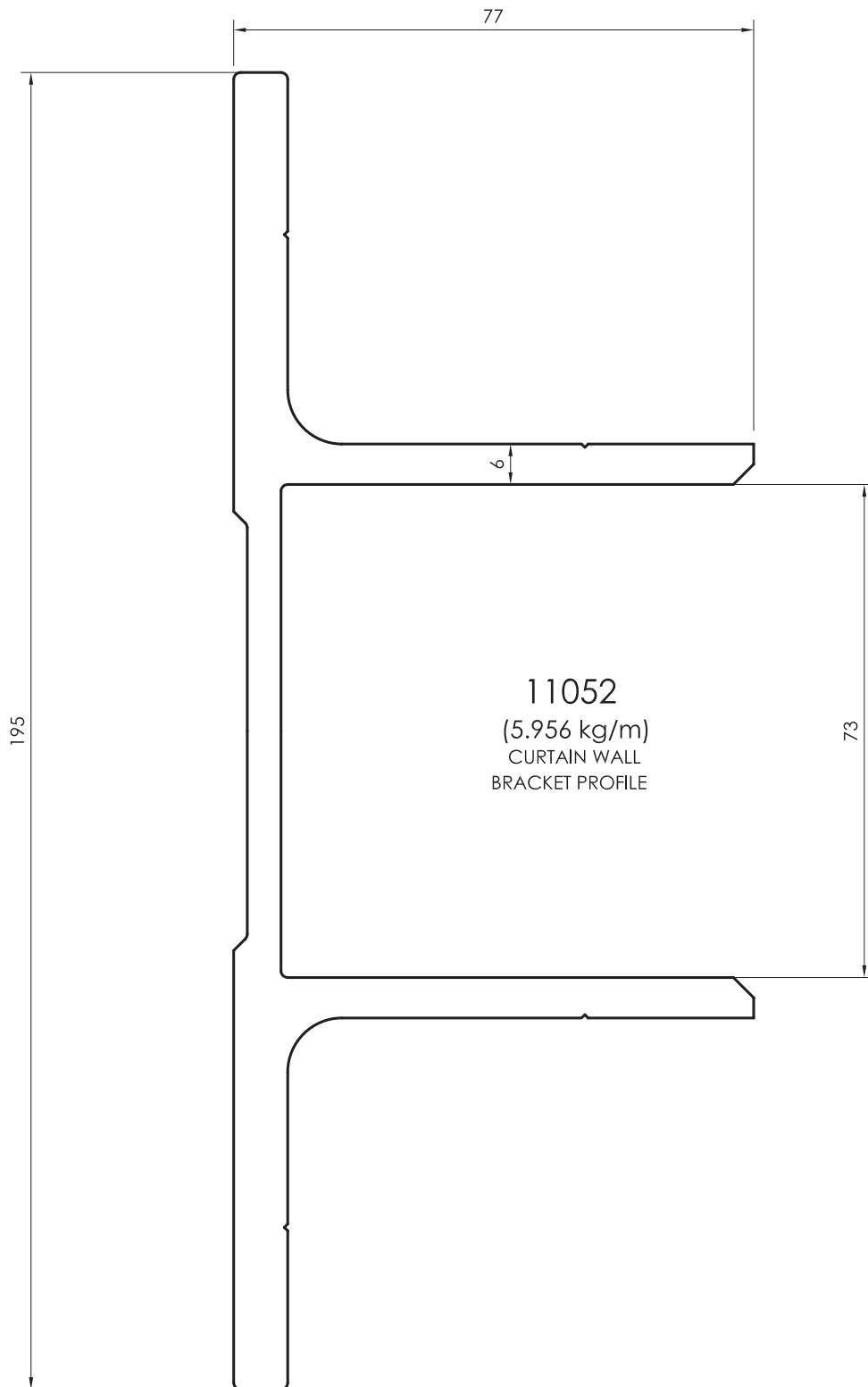
All dimensions in mm
Visible area_-----

Bracket Profiles



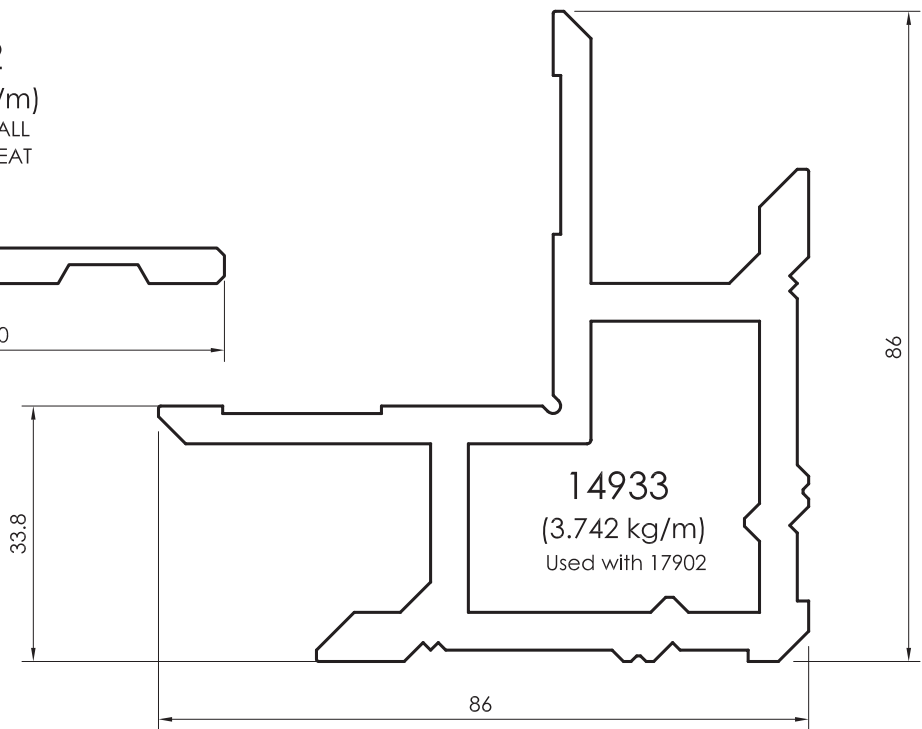
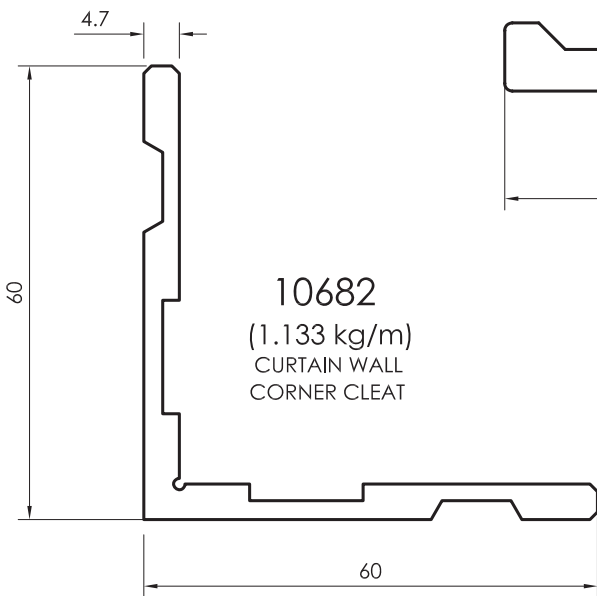
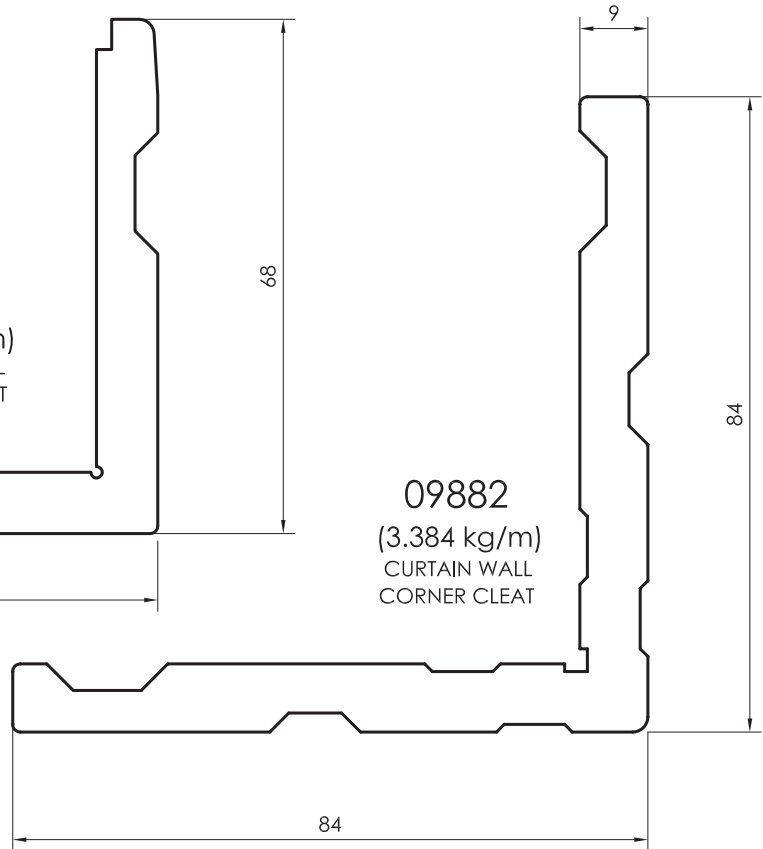
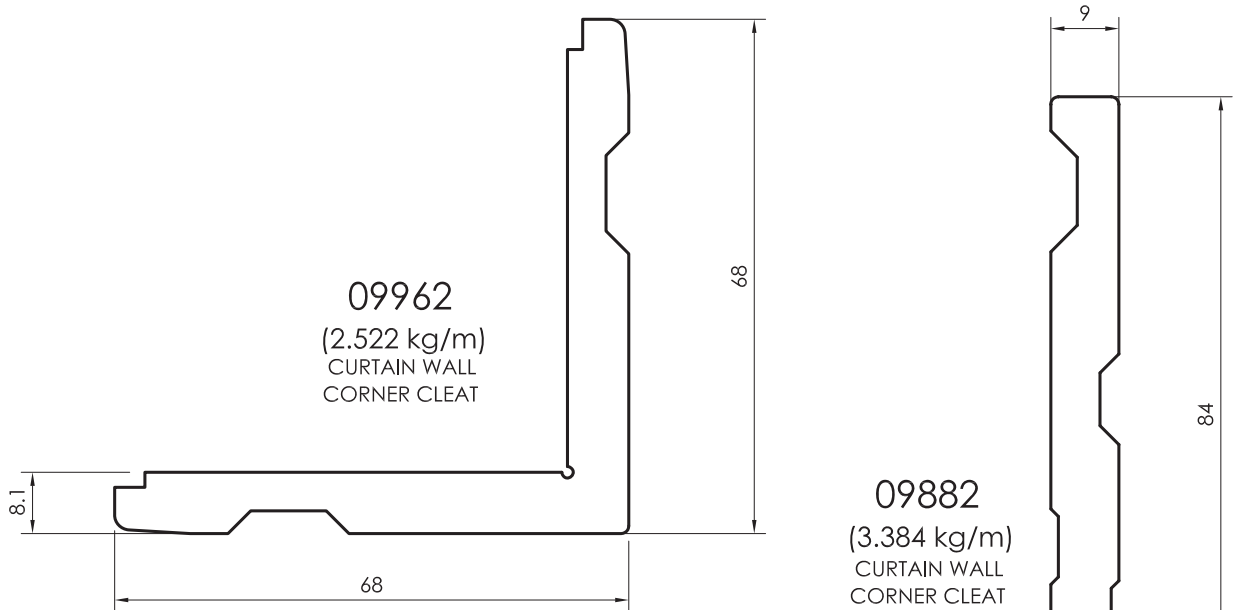
All dimensions in mm
----- Visible area

Bracket Profiles



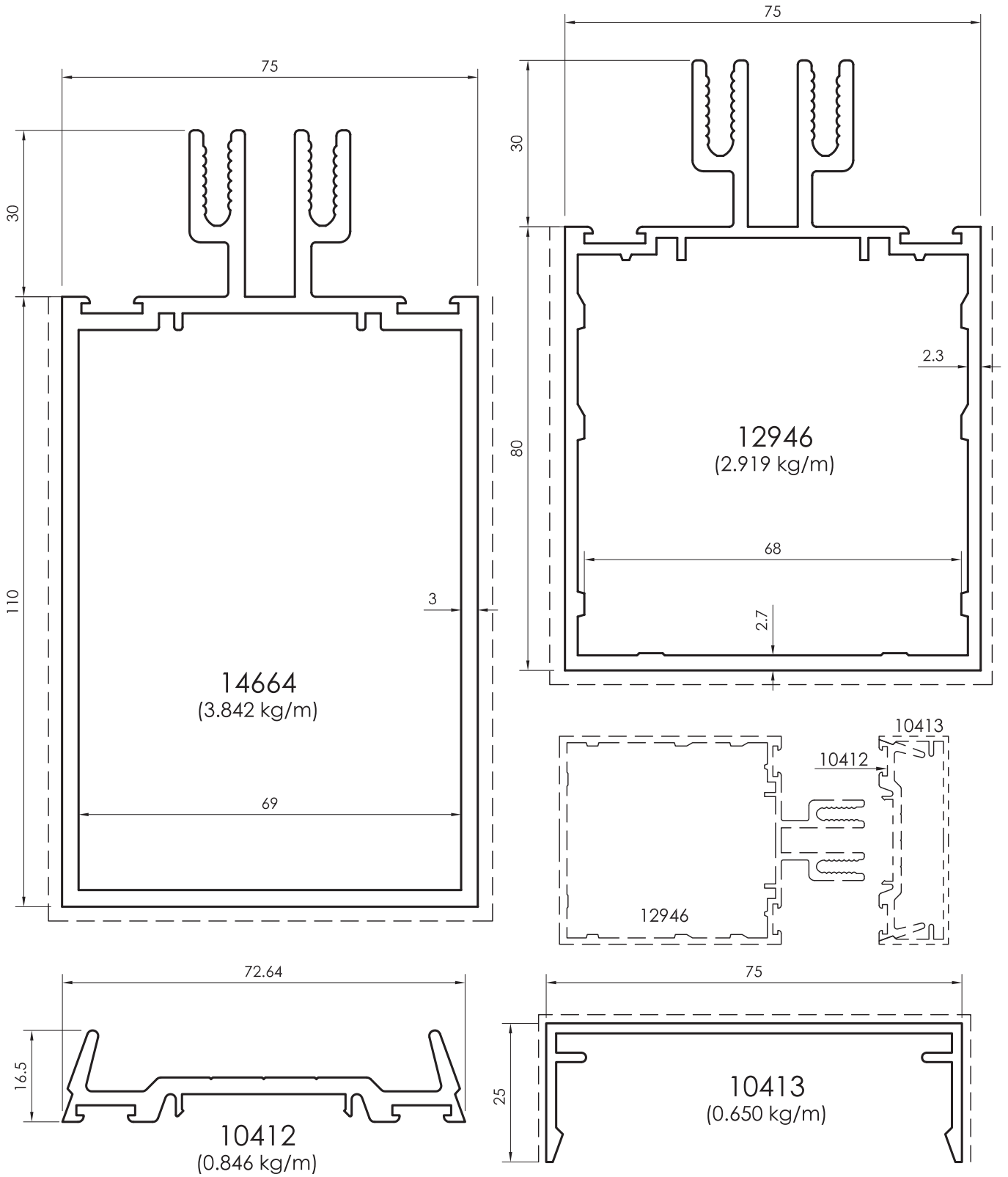
All dimensions in mm
Visible area_-----

Corner Cleat Profiles



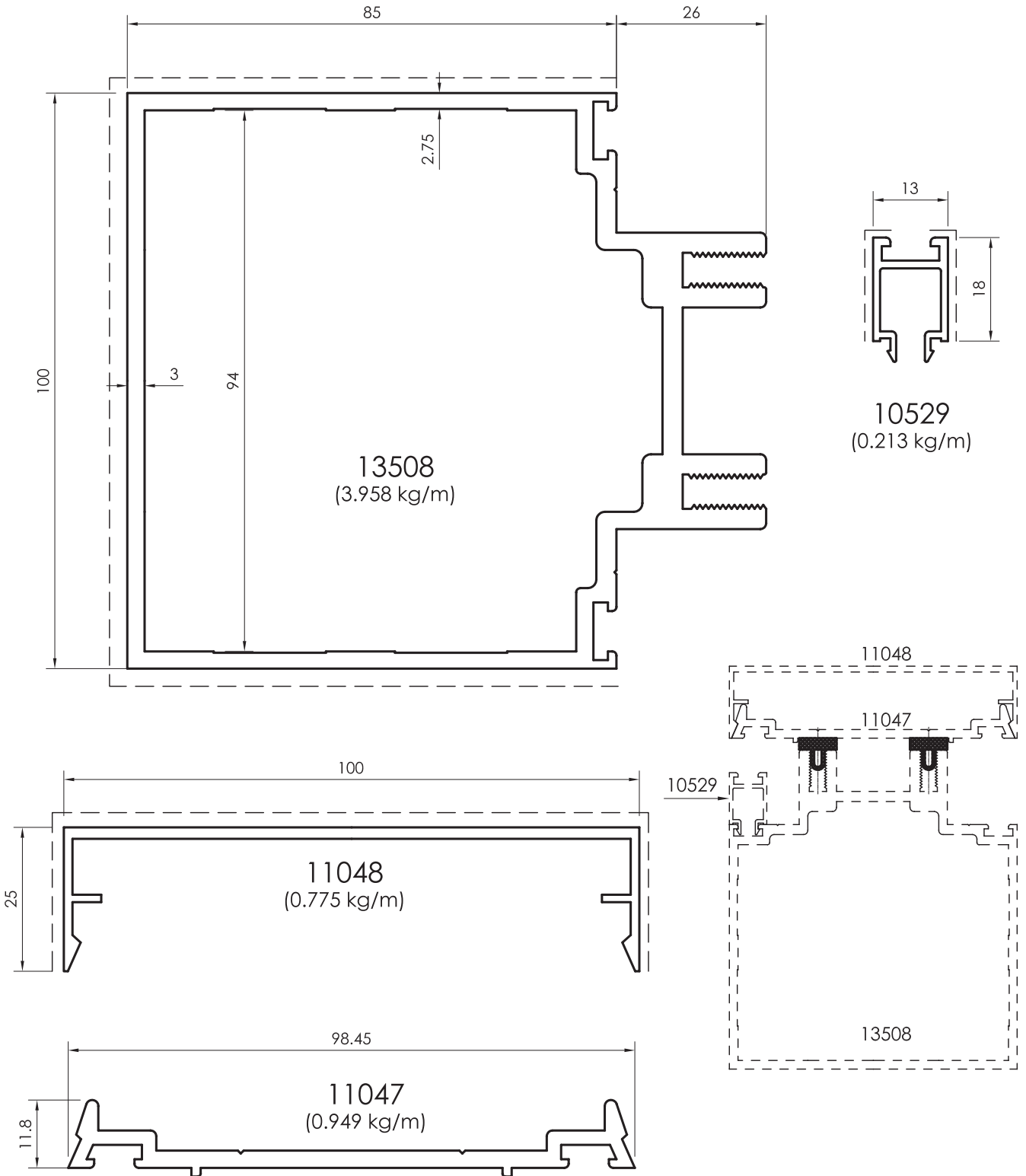
All dimensions in mm
----- Visible area

Curtain Wall - 75mm



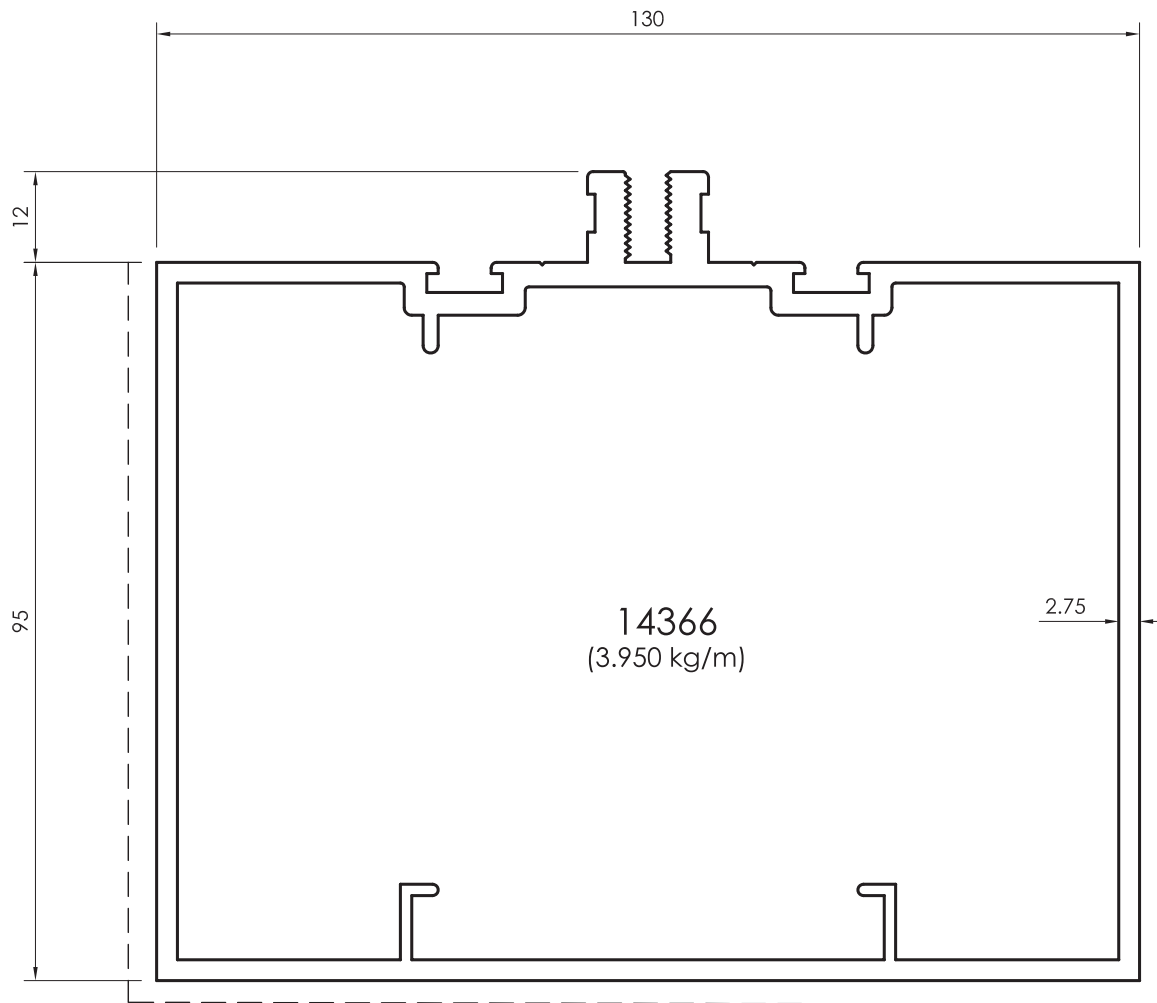
All dimensions in mm
Visible area_-----

Curtain Wall - 100mm



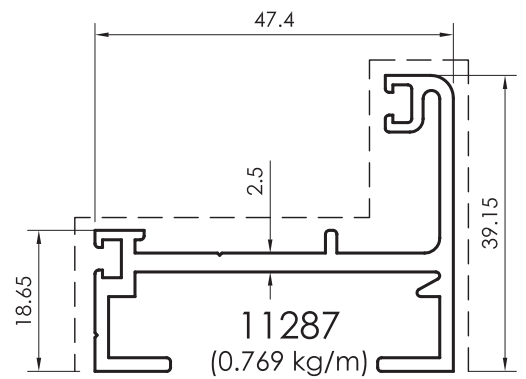
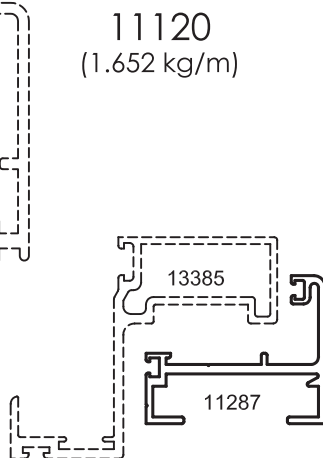
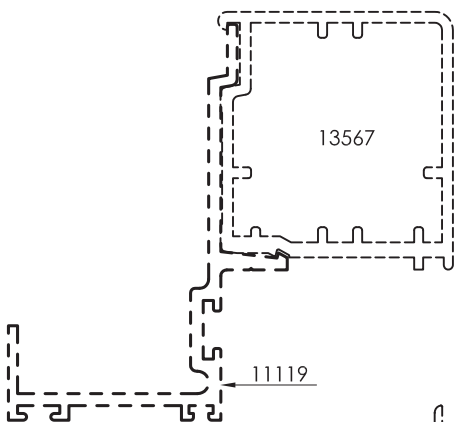
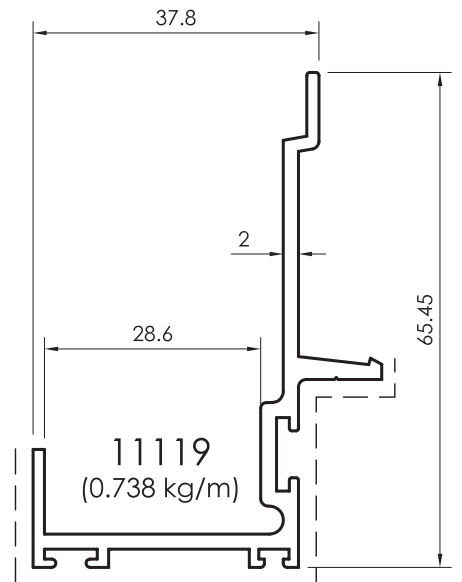
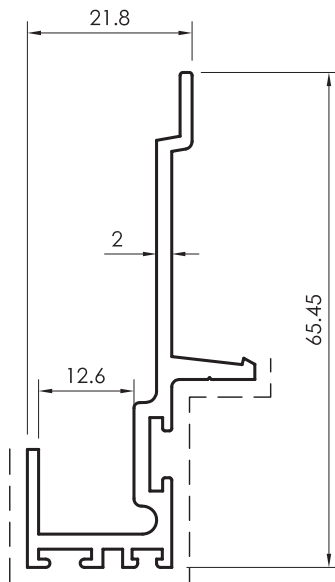
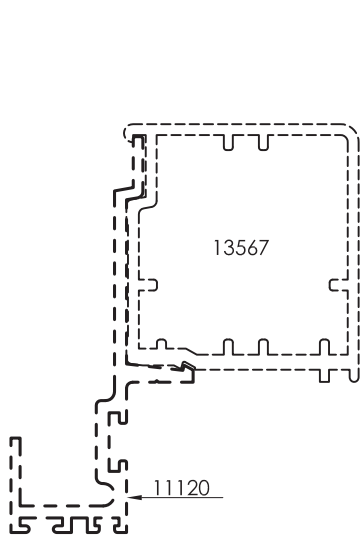
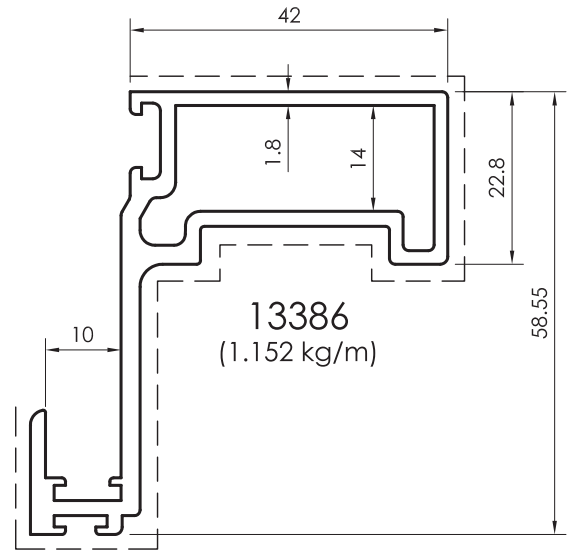
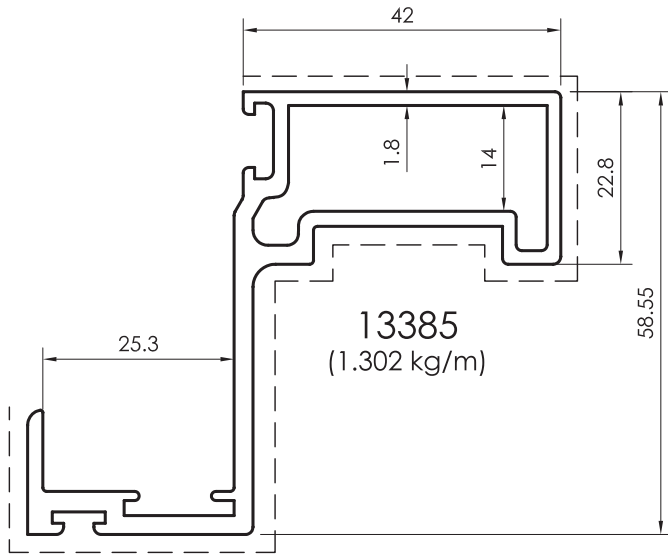
All dimensions in mm
 - - - - - Visible area

Curtain Wall - 130mm



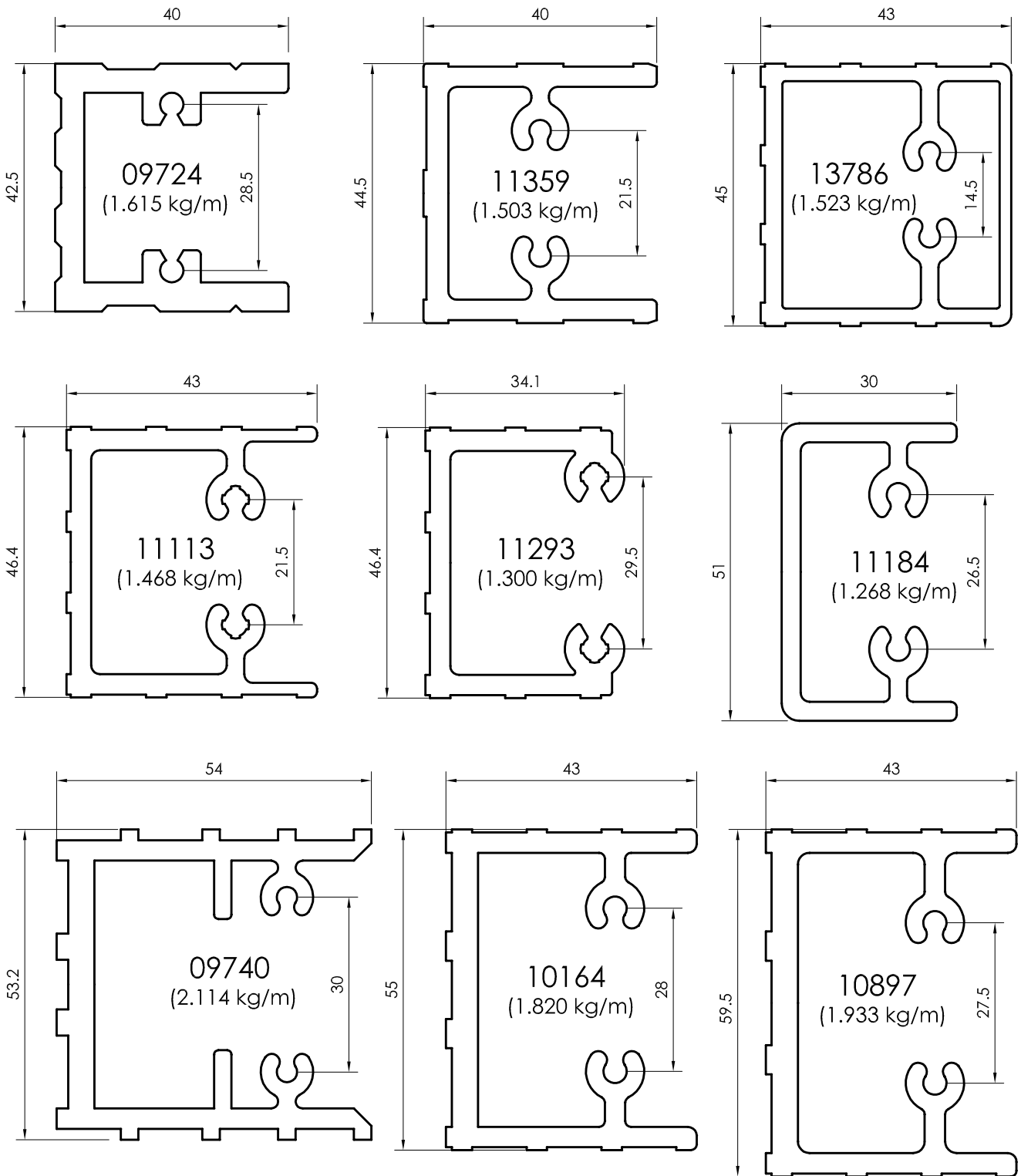
All dimensions in mm
Visible area_-----

Miscellaneous



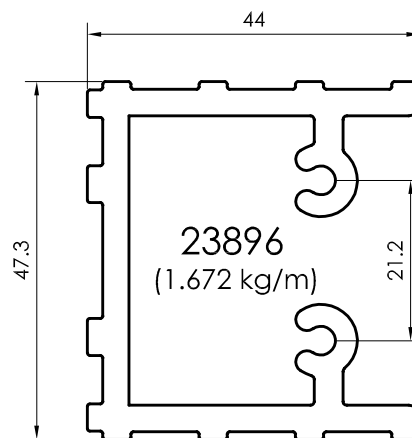
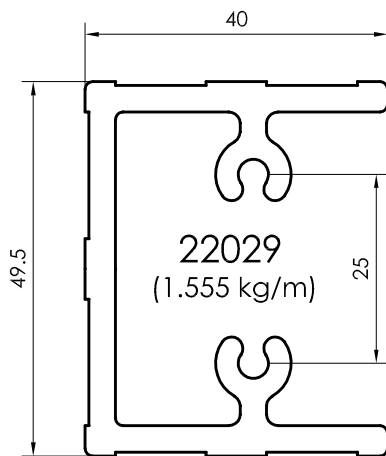
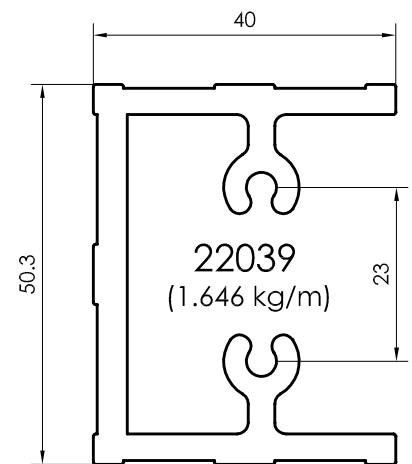
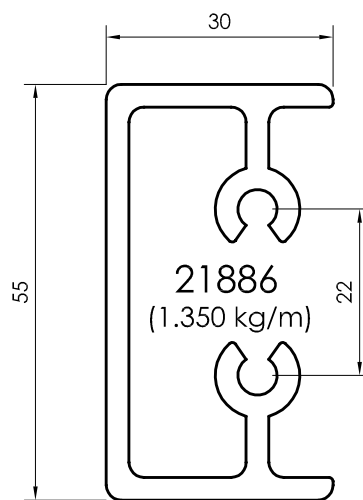
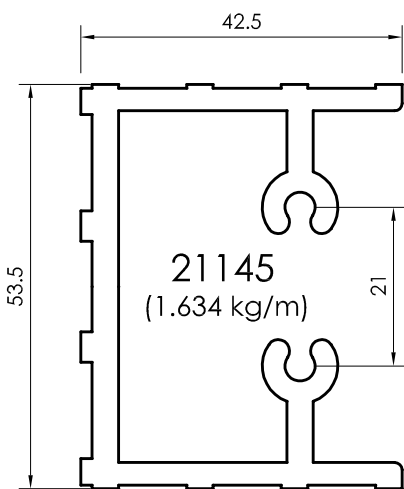
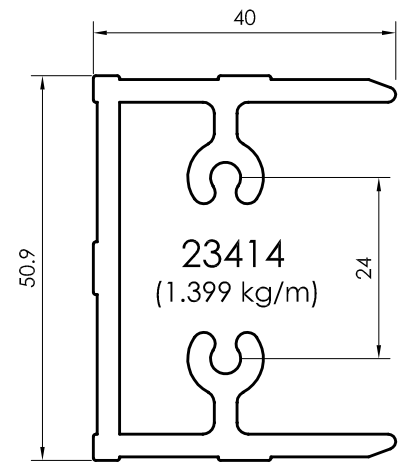
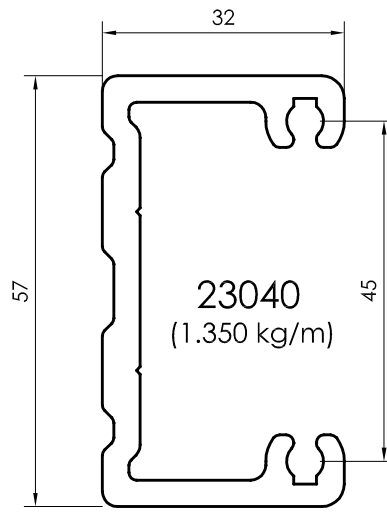
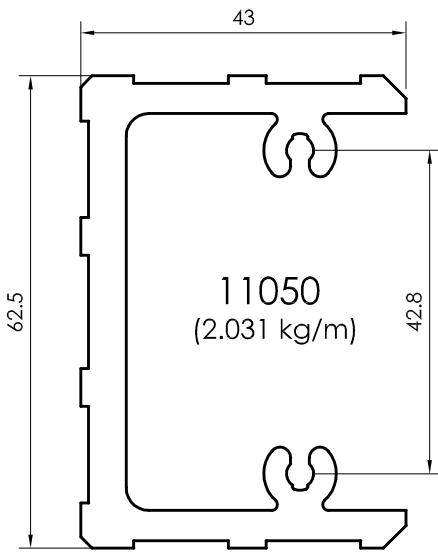
All dimensions in mm
----- Visible area

Connector



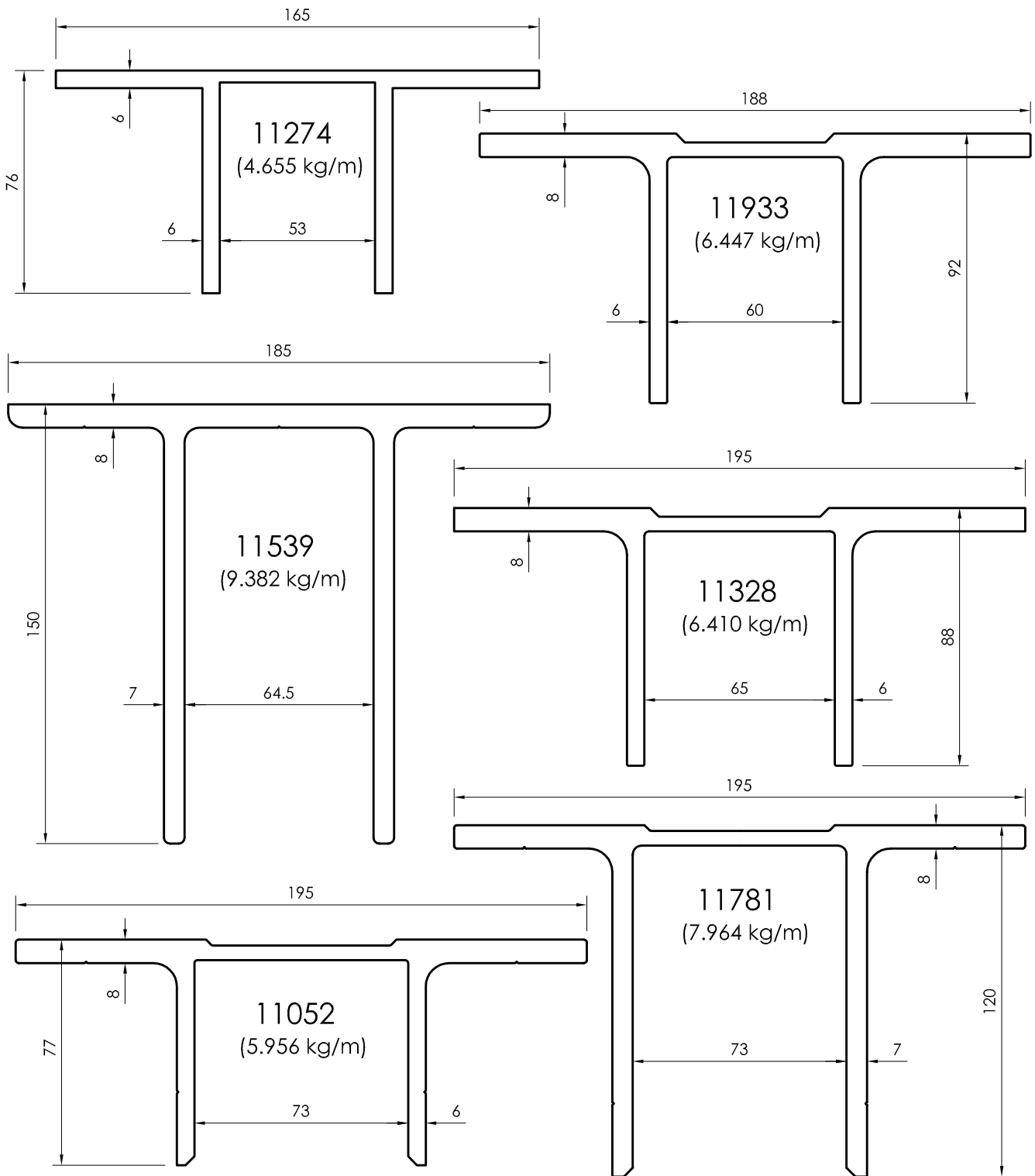
All dimensions in mm
Visible area_-----

Connector



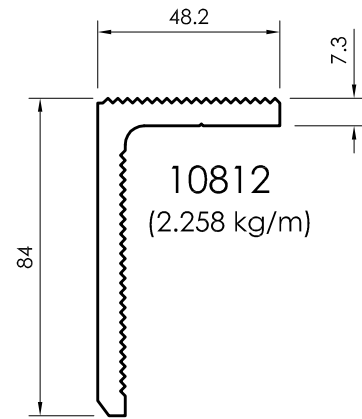
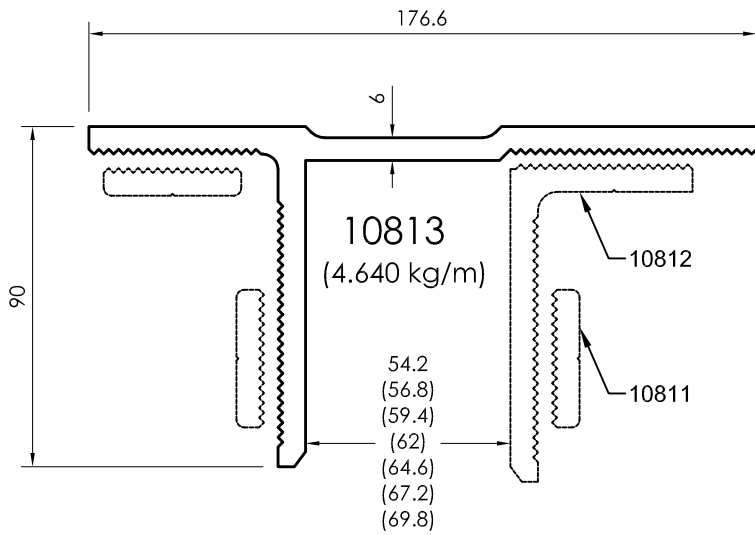
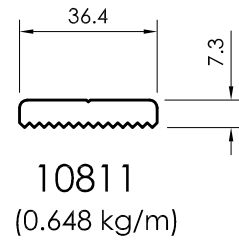
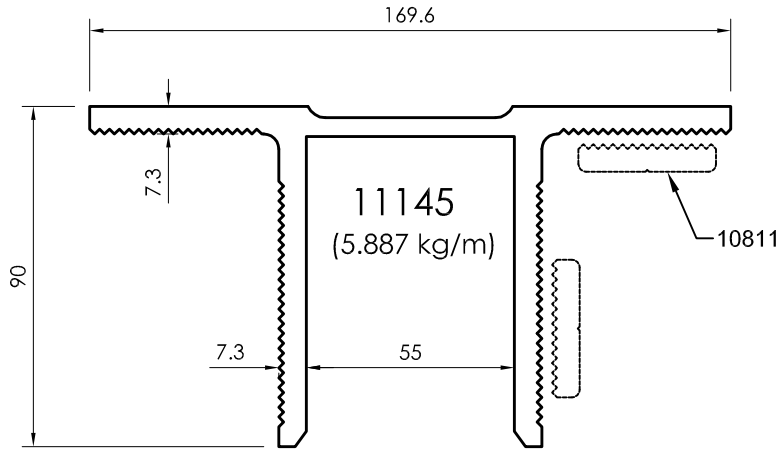
All dimensions in mm
----- Visible area

Curtain Wall Brackets



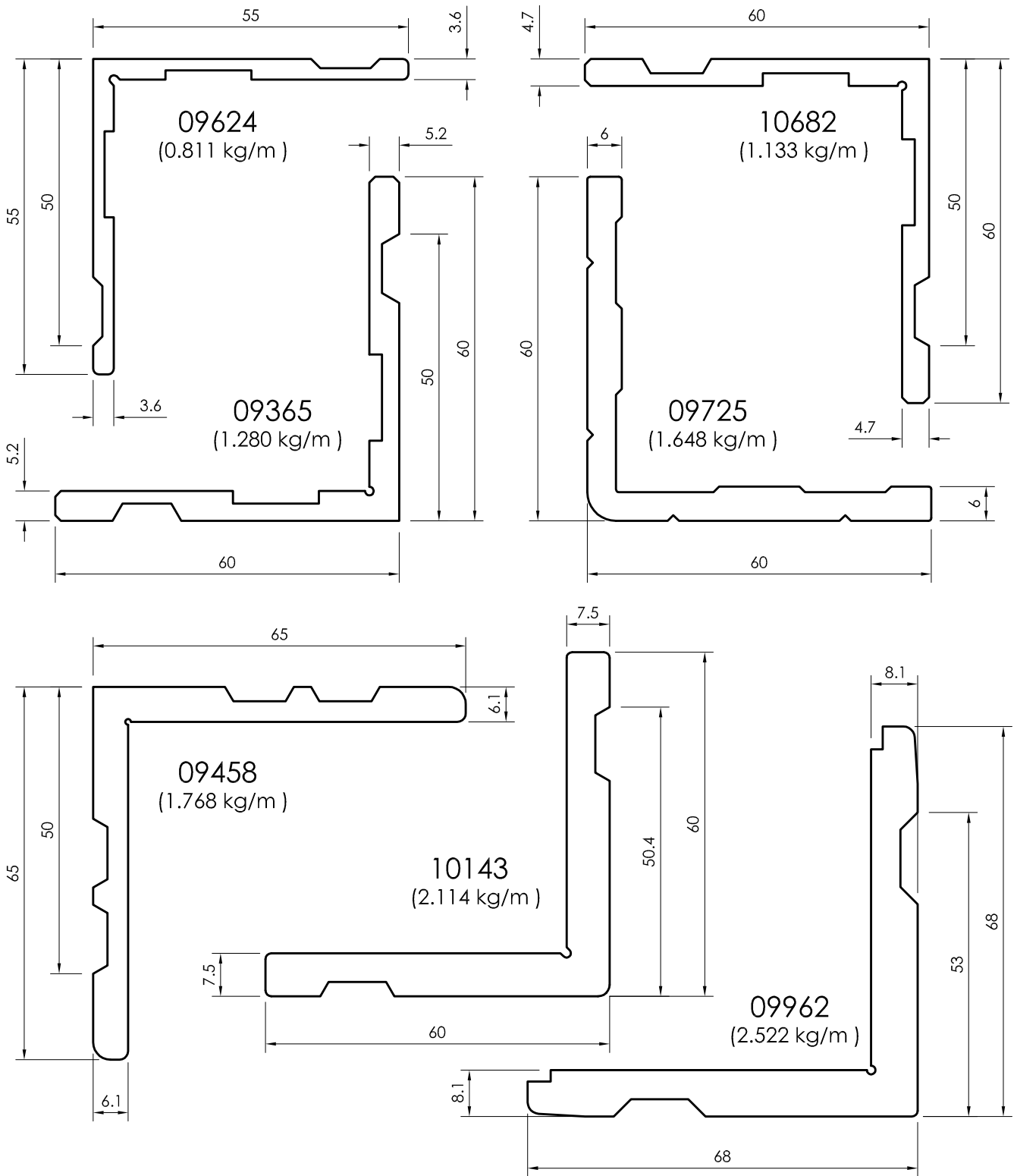
All dimensions in mm
Visible area_____

Curtain Wall Brackets



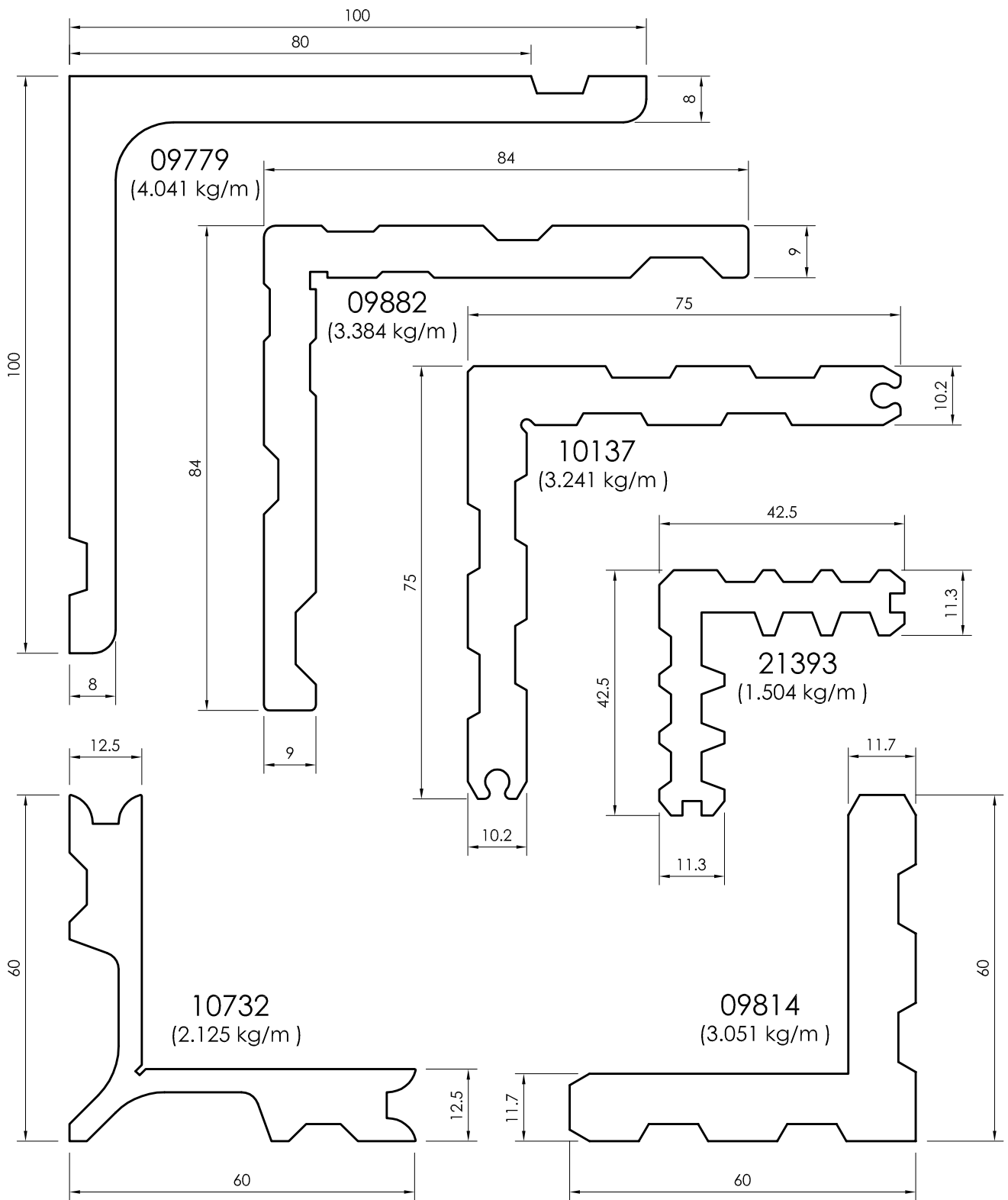
All dimensions in mm
----- Visible area

Cleating Angles



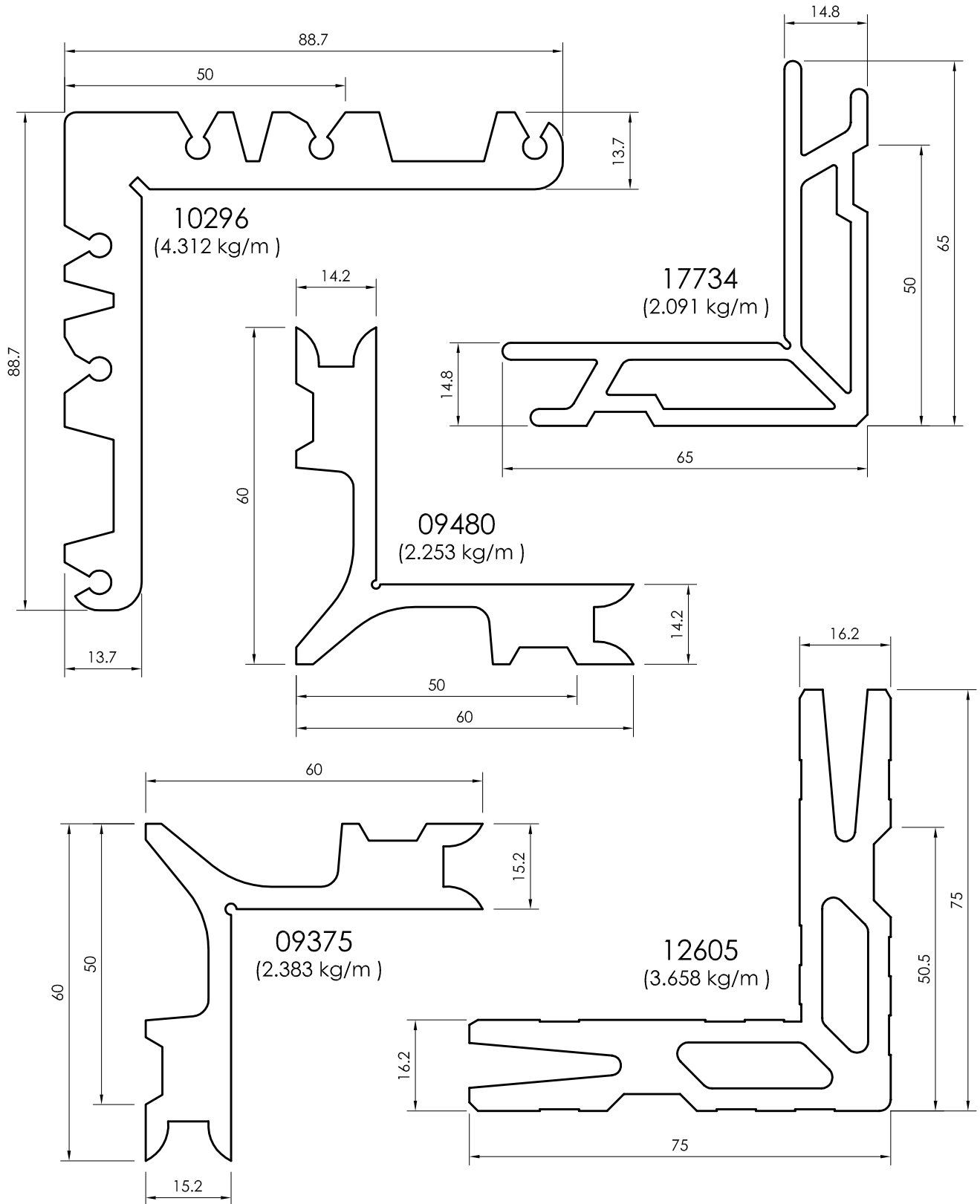
All dimensions in mm
Visible area_-----

Cleating Angles



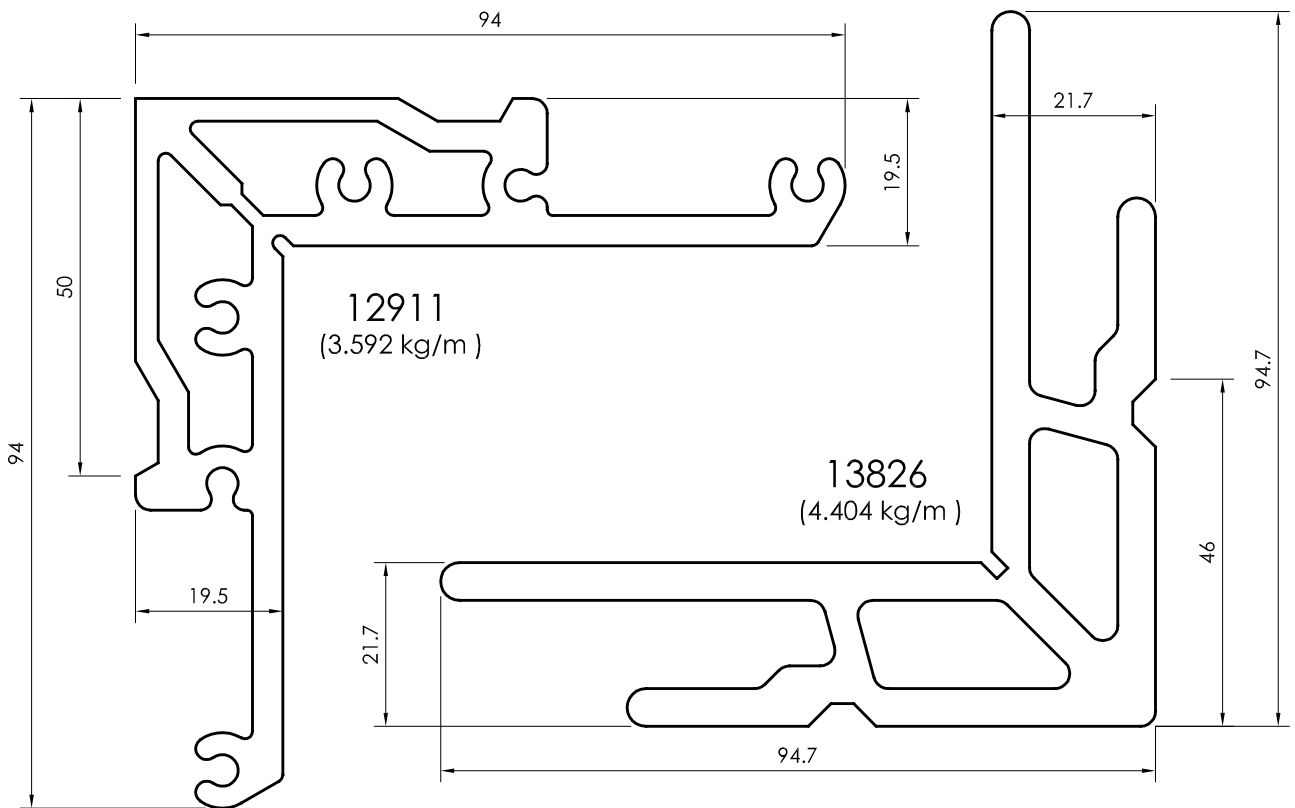
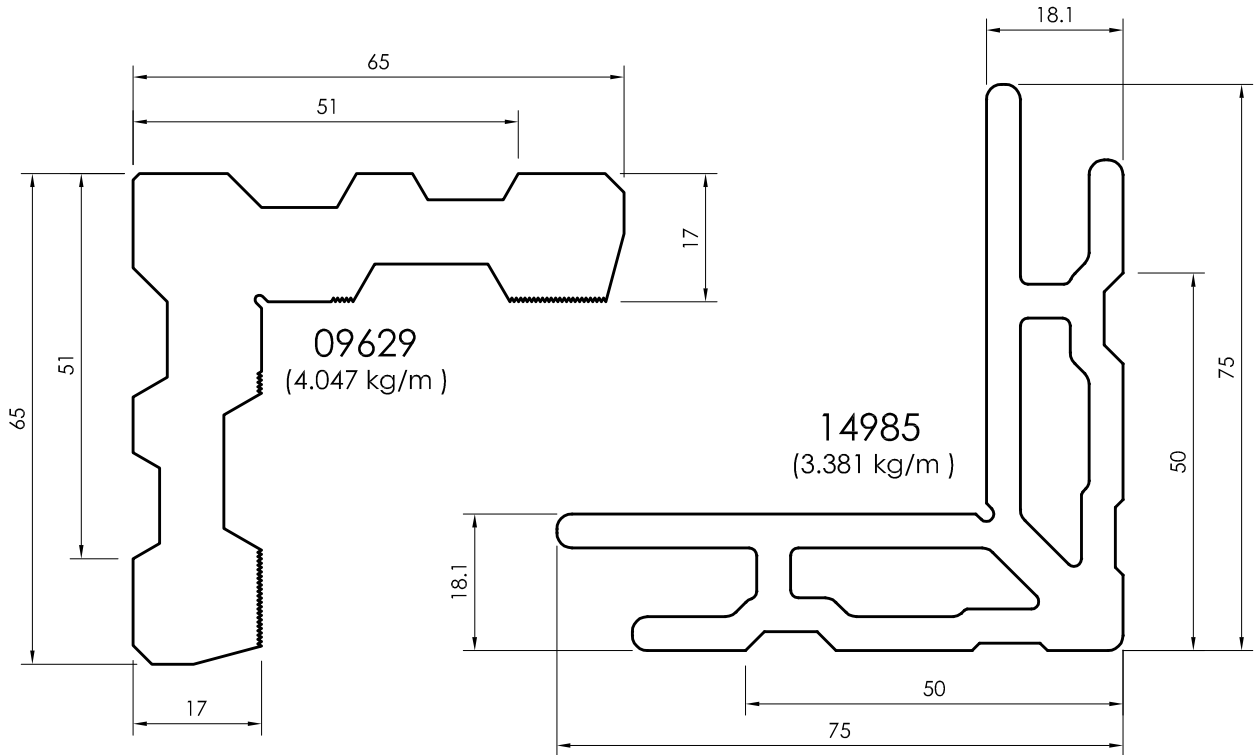
All dimensions in mm
 - - - - - Visible area

Cleating Angles



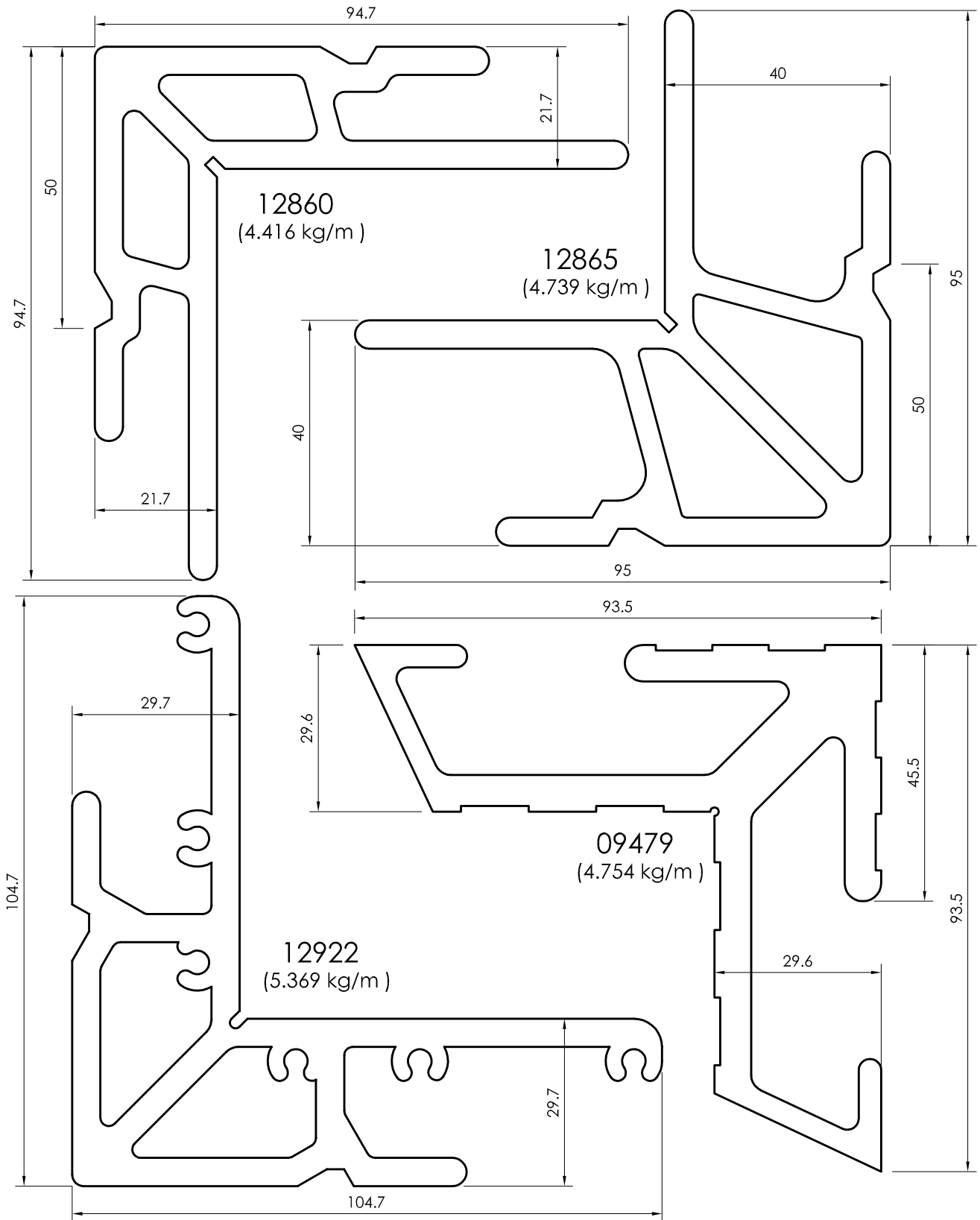
All dimensions in mm
Visible area_____

Cleating Angles



All dimensions in mm
 ----- Visible area

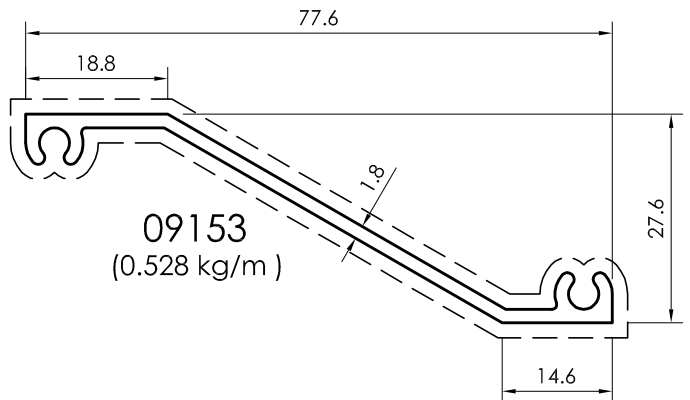
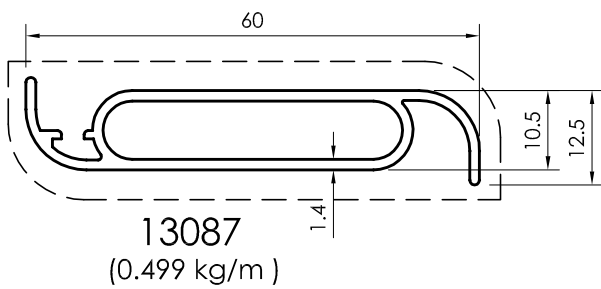
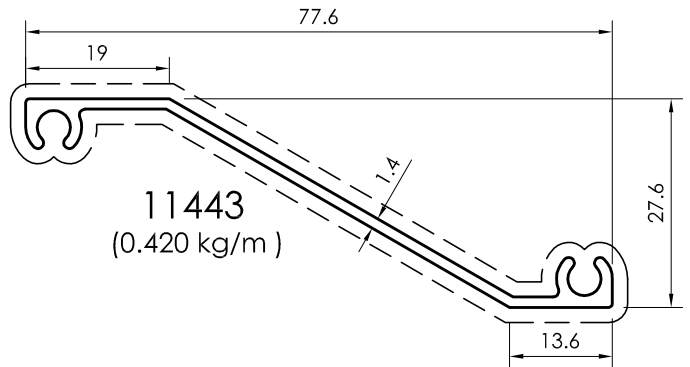
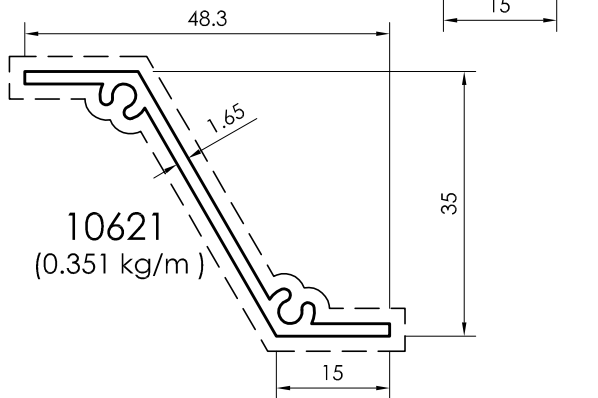
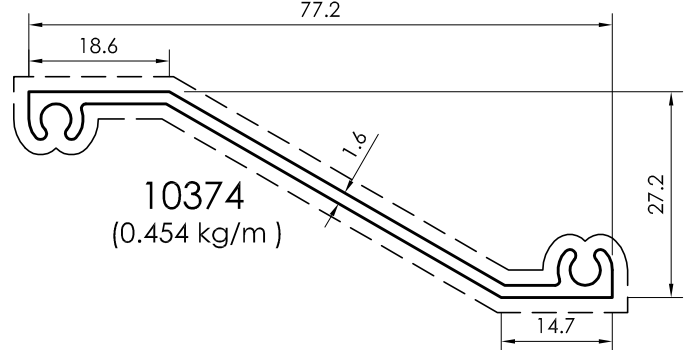
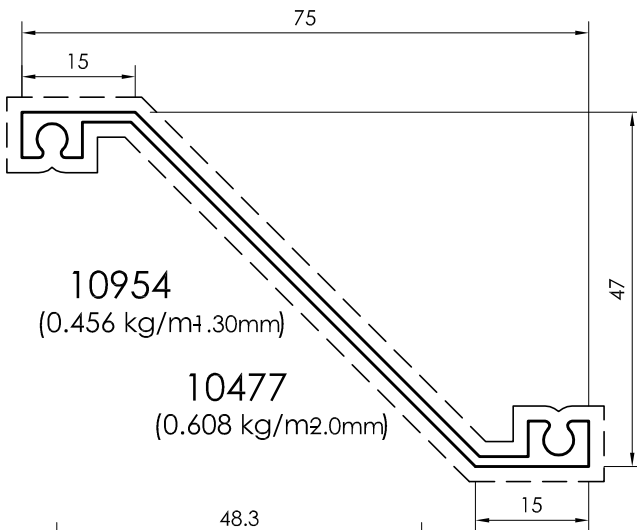
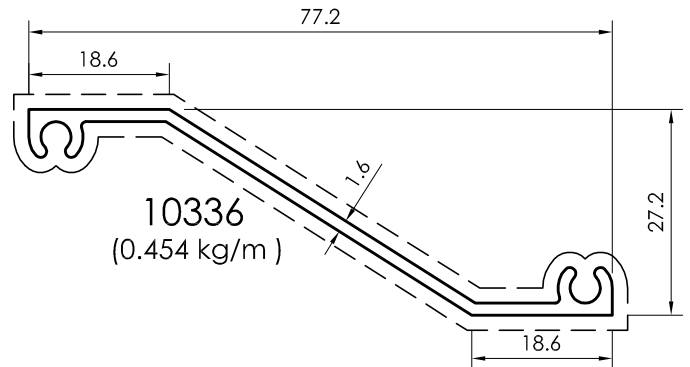
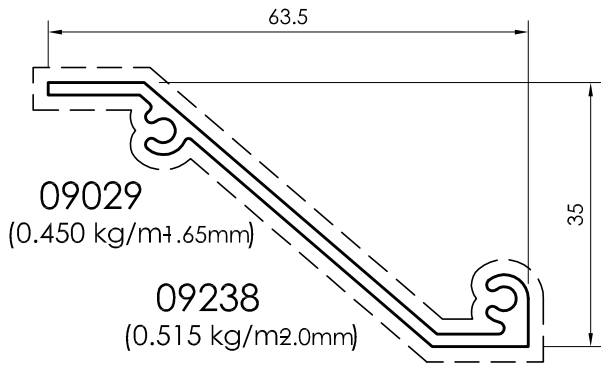
Cleating Angles



All dimensions in mm
Visible area_-----

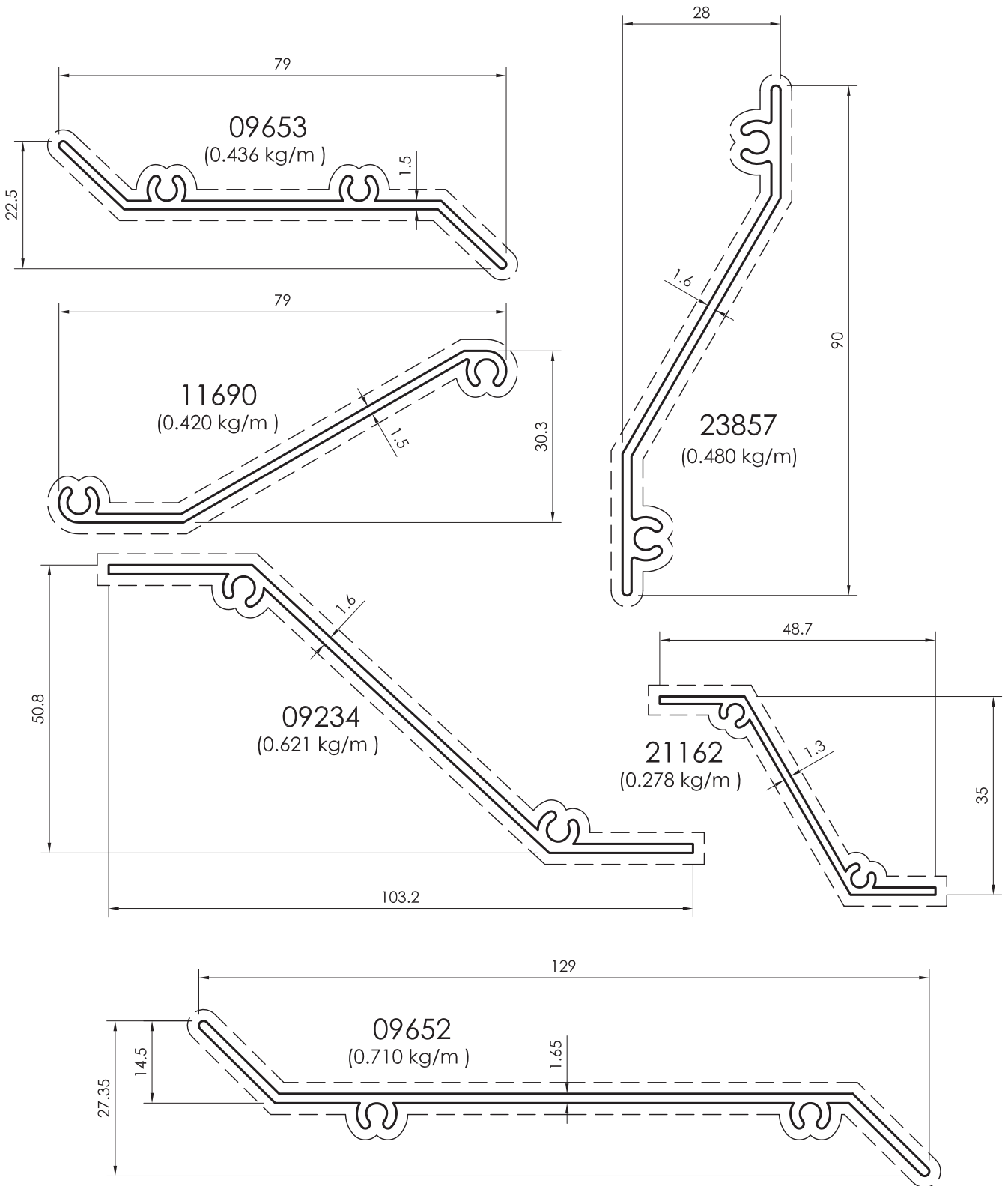
LOUVERS

Louvres



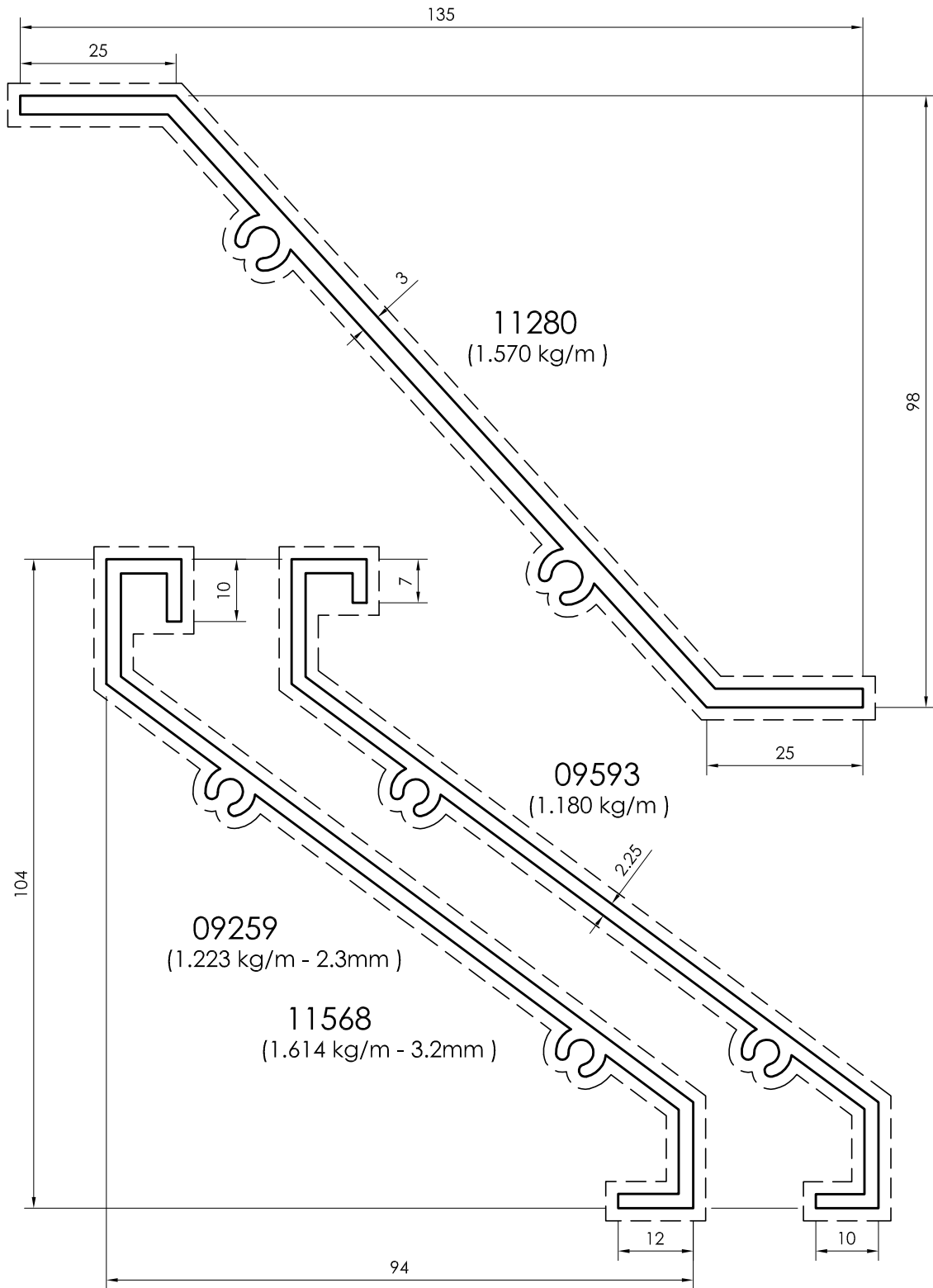
All dimensions in mm
Visible area_____

Louvres



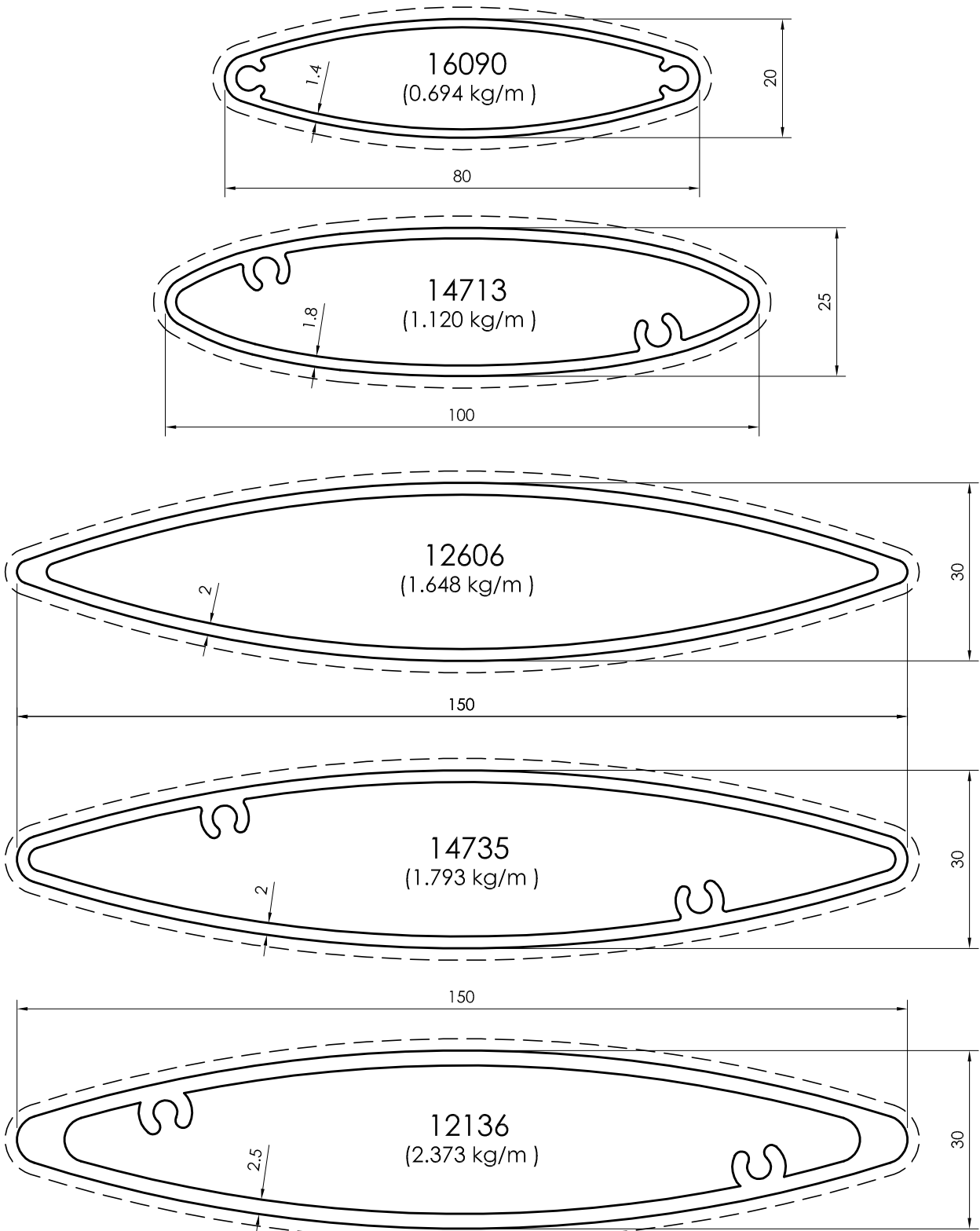
All dimensions in mm
 - - - - - Visible area

Louvres



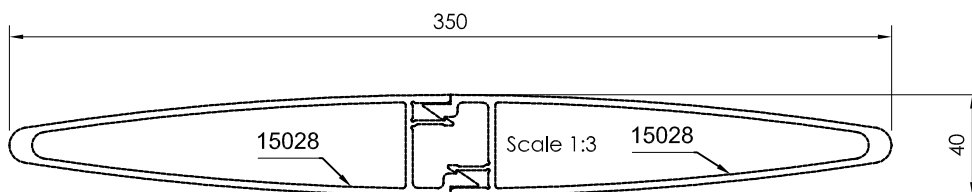
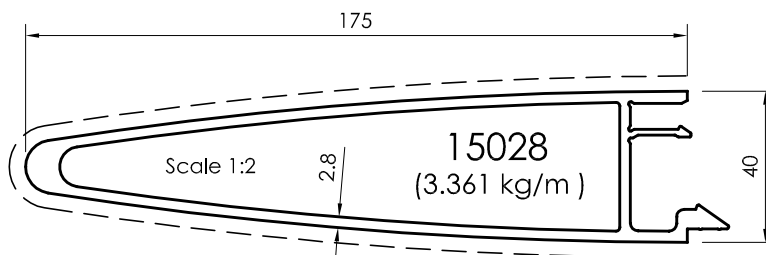
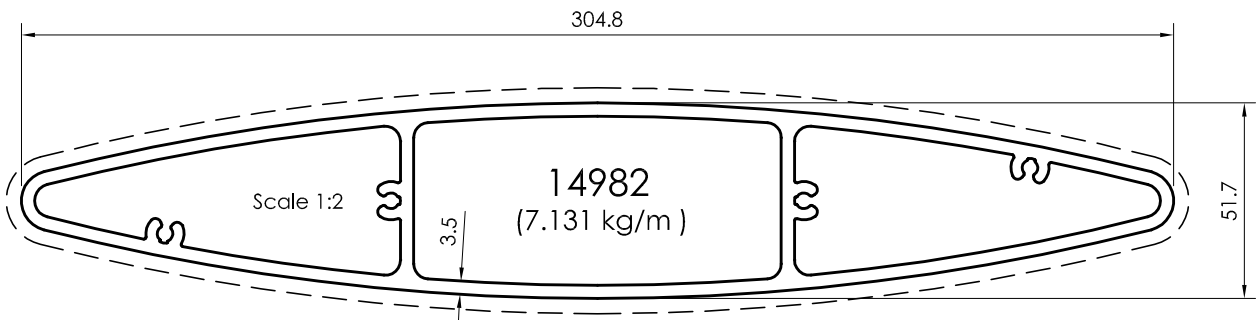
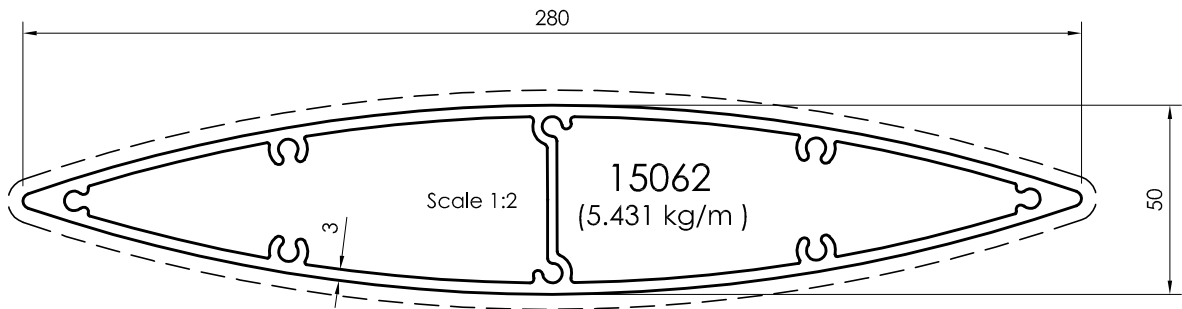
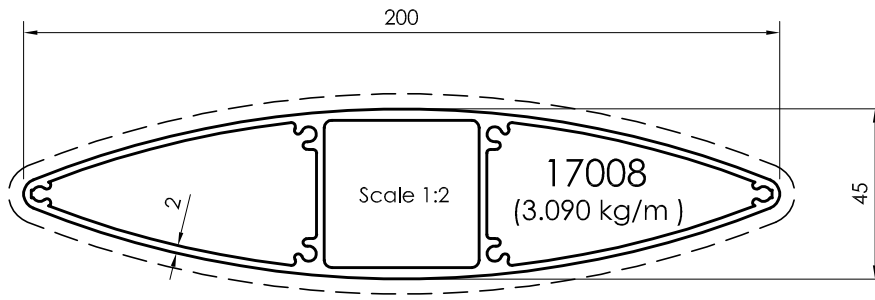
All dimensions in mm
Visible area_-----

Louvres



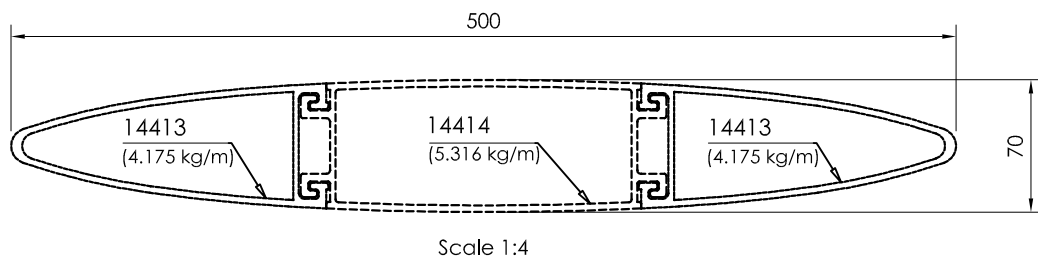
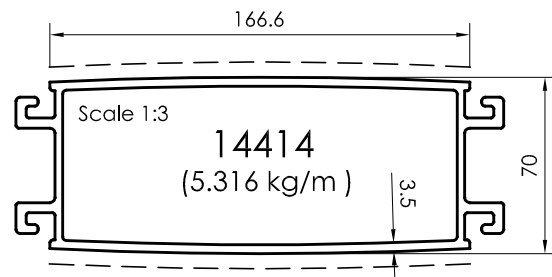
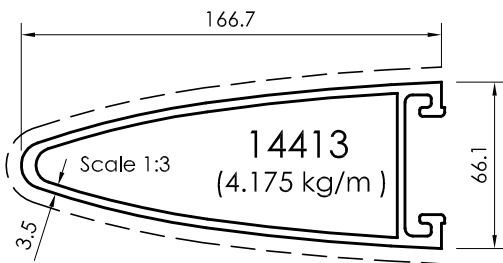
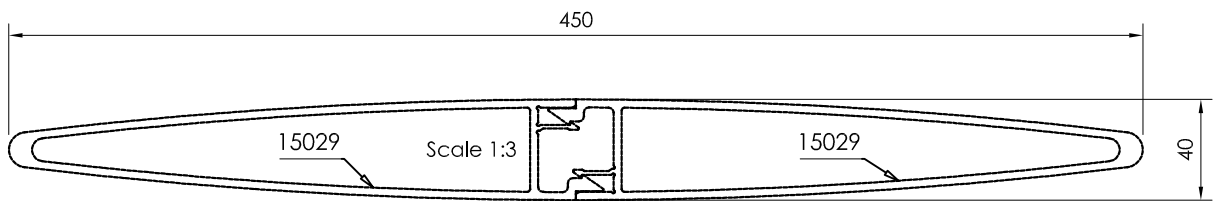
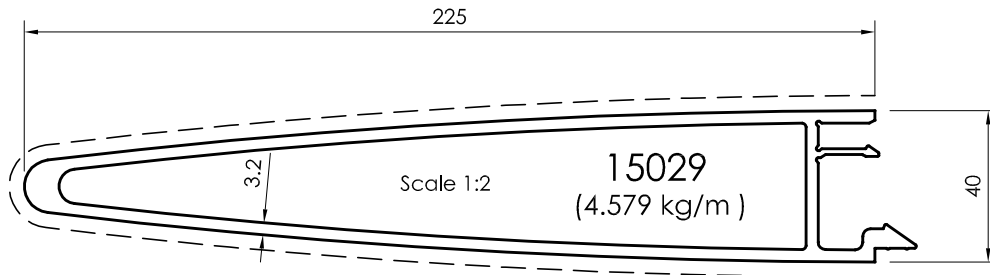
All dimensions in mm
 - - - - - Visible area

Louvres



All dimensions in mm
Visible area_____

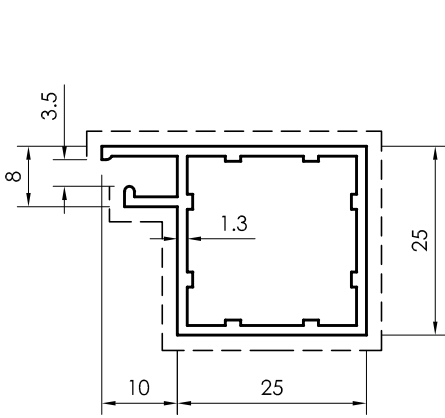
Louvres



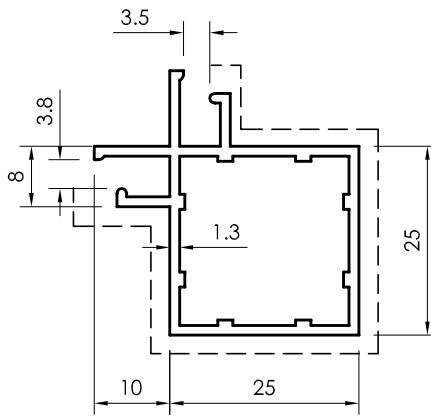
All dimensions in mm
 ----- Visible area

KITCHEN

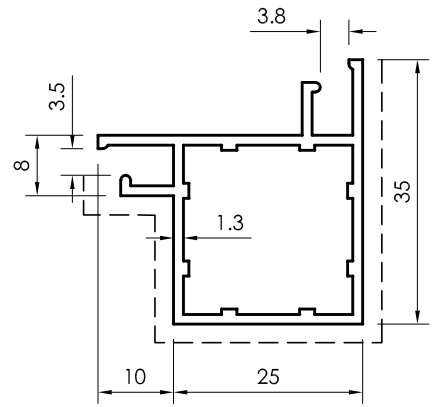
Kitchen



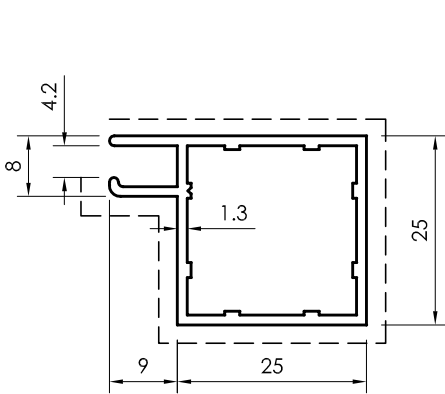
12504
(0.429 kg/m)



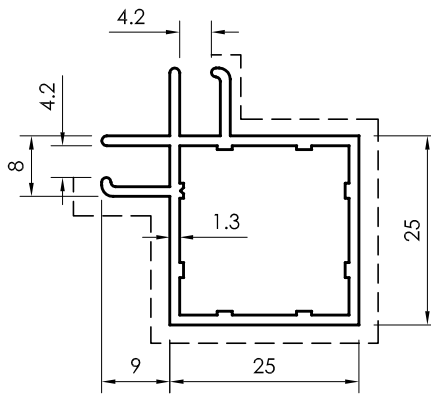
12506
(0.495 kg/m)



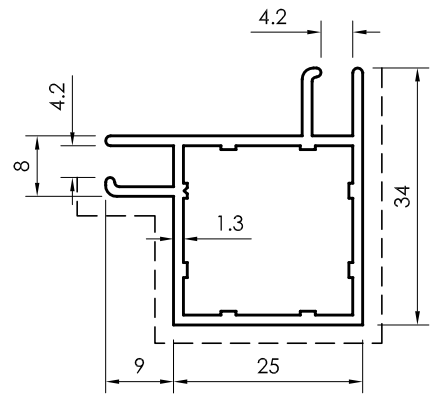
12512
(0.495 kg/m)



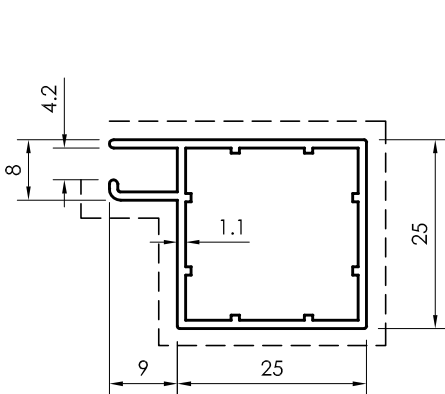
13084
(0.424 kg/m)



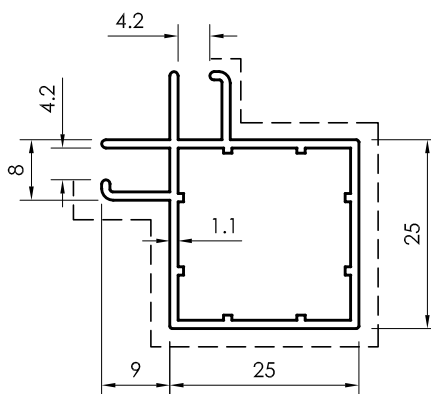
13085
(0.489 kg/m)



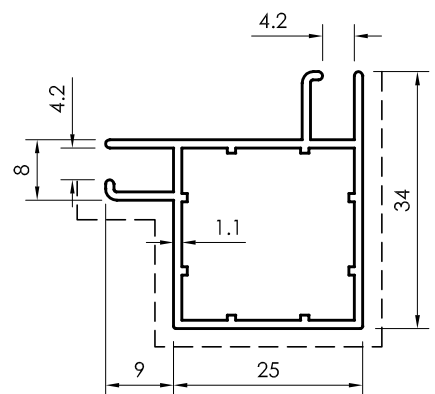
13086
(0.489 kg/m)



13813
(0.357 kg/m)



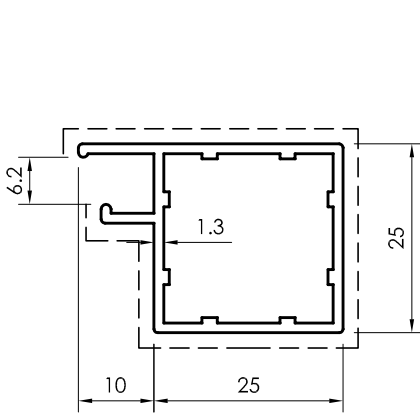
13814
(0.413 kg/m)



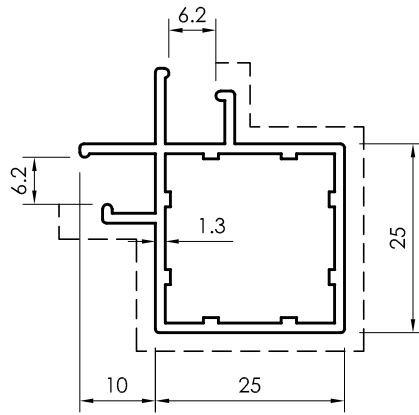
13815
(0.413 kg/m)

All dimensions in mm
Visible area_____

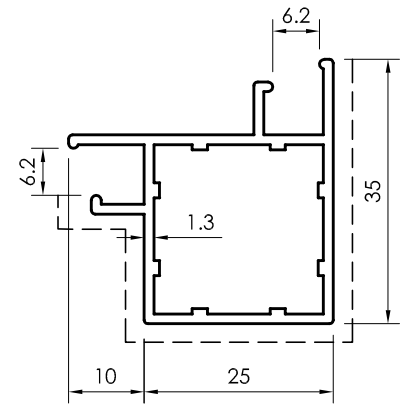
Kitchen



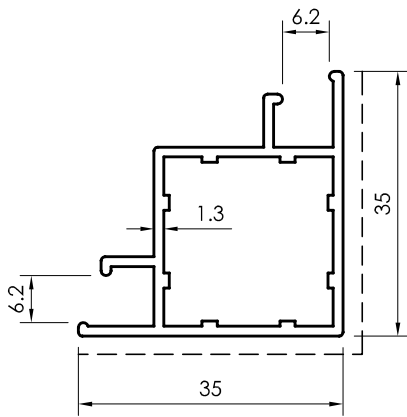
13996
(0.427 kg/m)



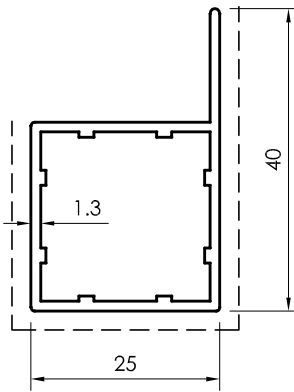
13998
(0.491 kg/m)



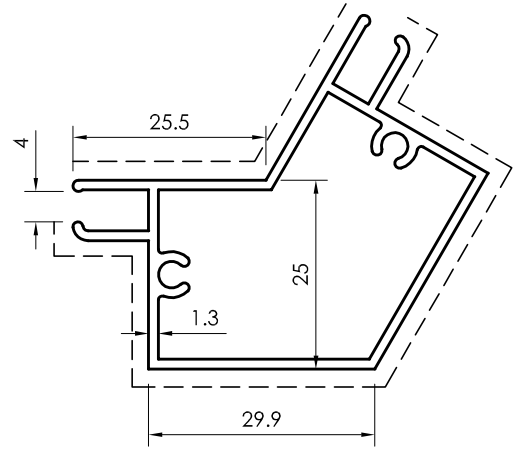
13997
(0.491 kg/m)



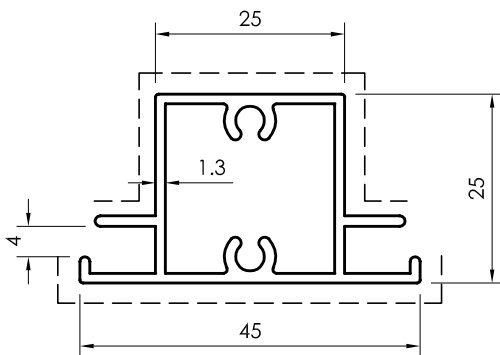
14095
(0.491 kg/m)



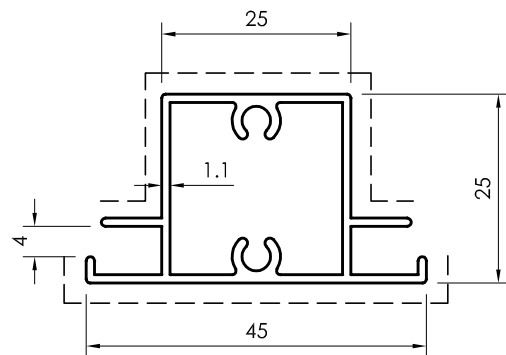
14096
(0.415 kg/m)



13478
(0.683 kg/m)



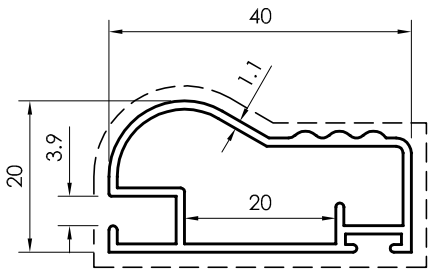
12847
(0.565 kg/m)



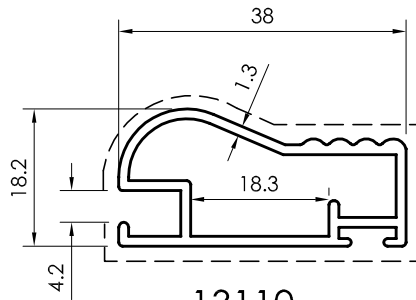
13816
(0.485 kg/m)

All dimensions in mm
----- Visible area

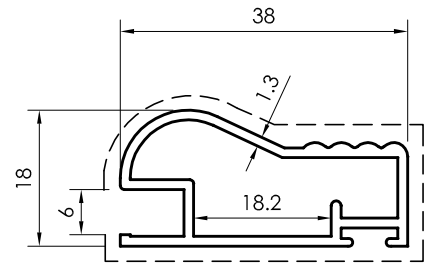
Kitchen



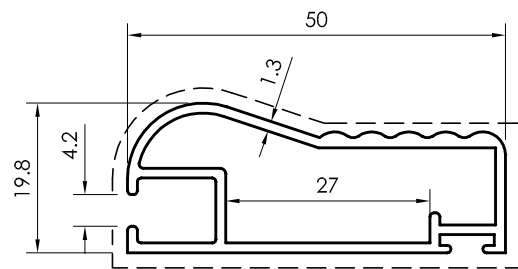
13818
(0.395 kg/m)



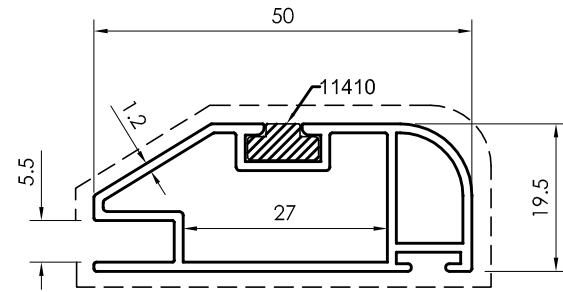
12872
(0.454 kg/m ± 0.3mm)



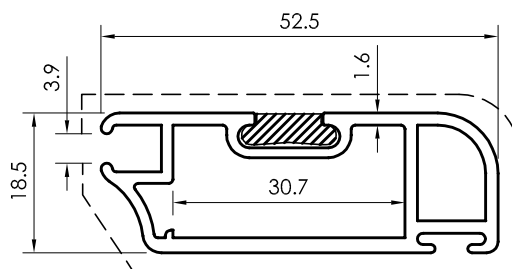
13110
(0.427 kg/m)



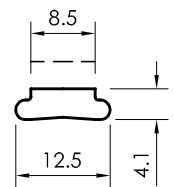
13169
(0.418 kg/m)



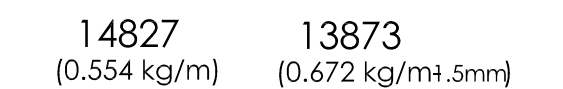
14183
(0.552 kg/m)



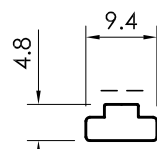
13180
(0.742 kg/m)



10460
(0.115 kg/m)

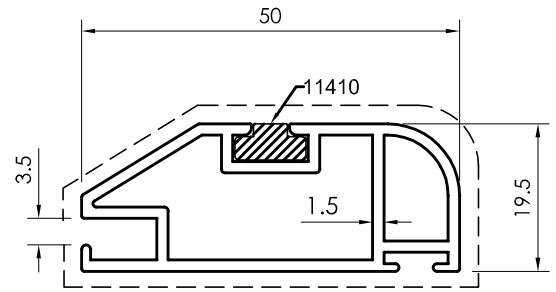


14827
(0.554 kg/m)

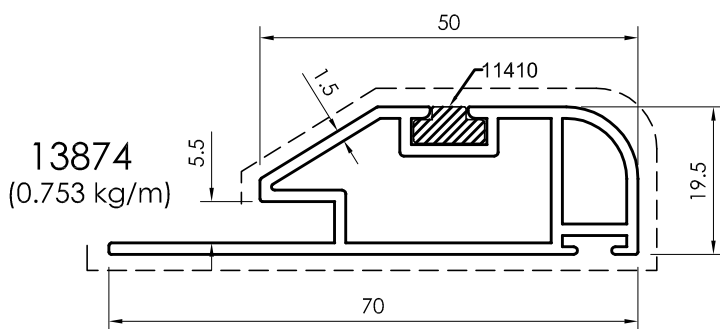


13873
(0.672 kg/m ± 0.5mm)

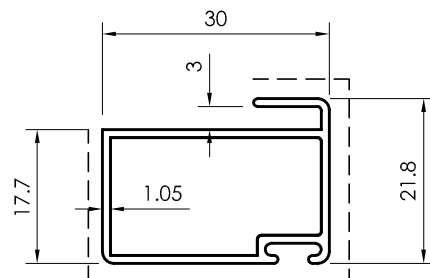
11410
(0.099 kg/m)



14027
(0.679 kg/m)



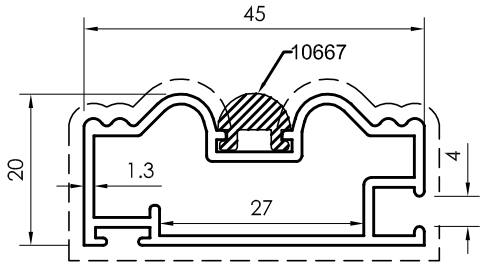
13874
(0.753 kg/m)



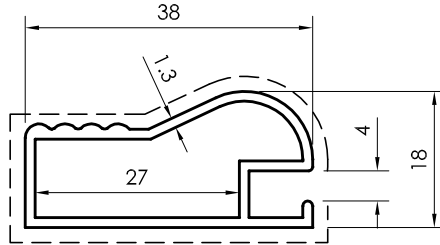
14331
(0.310 kg/m)

All dimensions in mm
Visible area_____

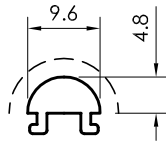
Kitchen



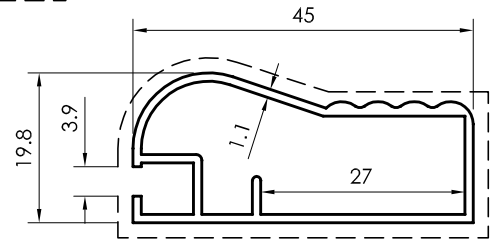
13480
(0.541 kg/m)



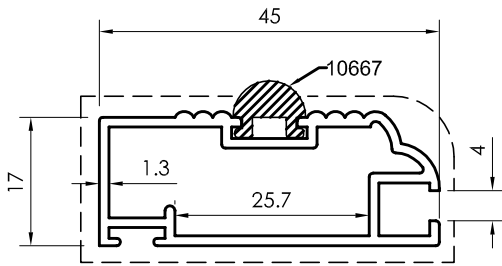
12826
(0.401 kg/m)



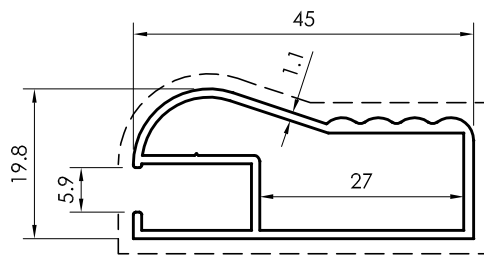
10667
(0.123 kg/m)



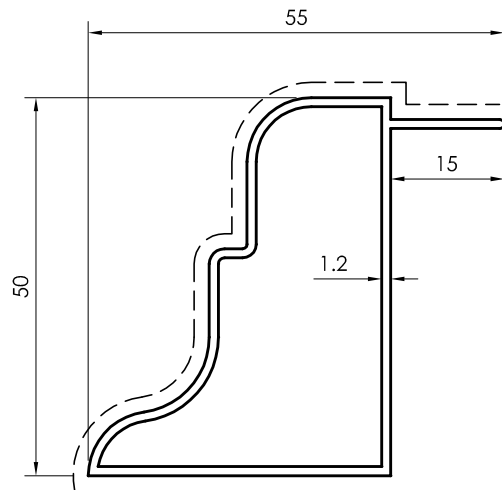
13820 12638
(0.417 kg/m) (0.483 kg/m±.3mm)



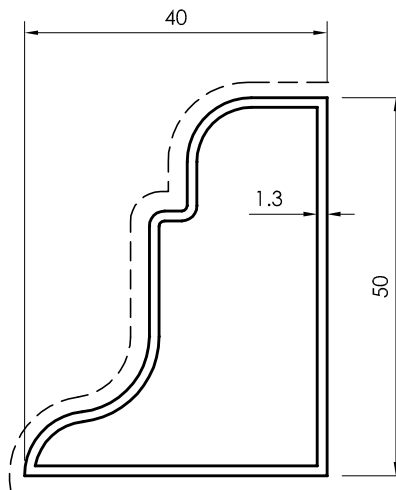
13123
(0.516 kg/m)



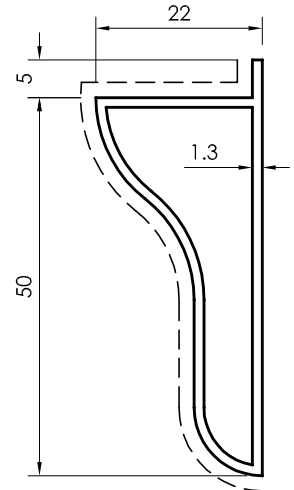
13990 12637
(0.440 kg/m) (0.498 kg/m±.3mm)



14769
(0.576 kg/m)



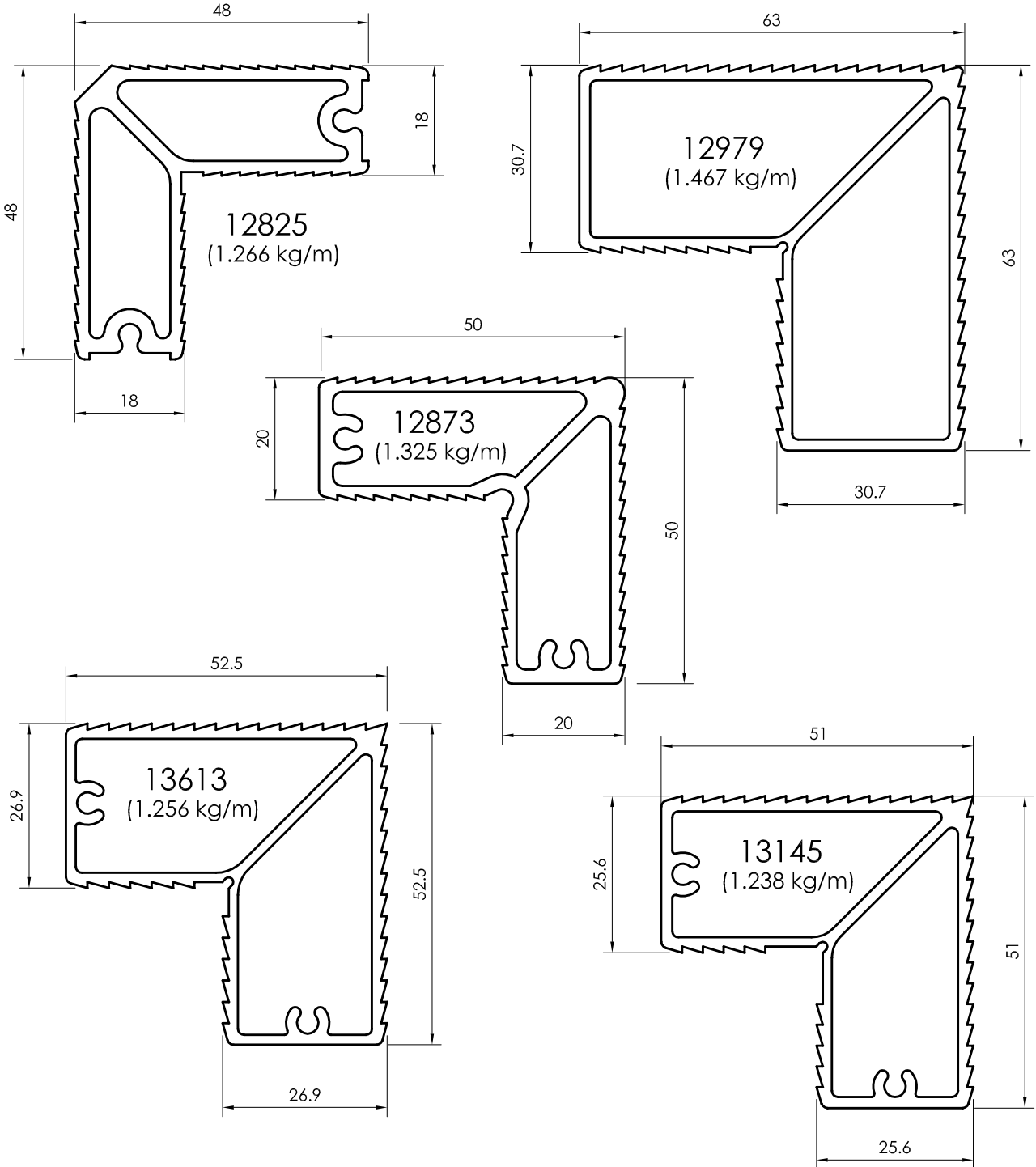
13122
(0.570 kg/m)



12511
(0.460 kg/m)

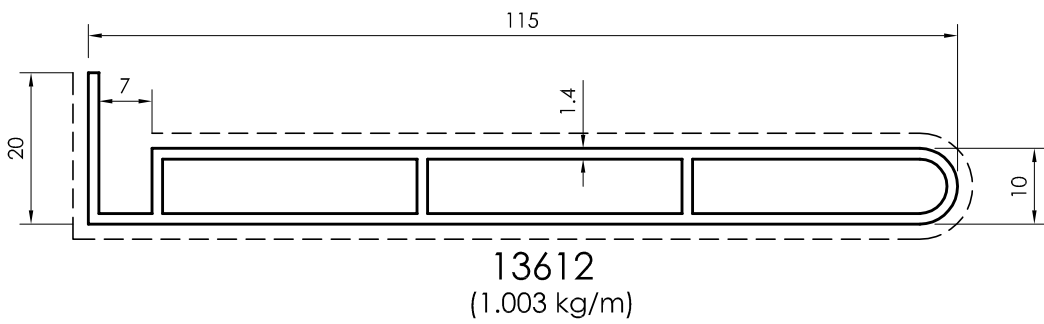
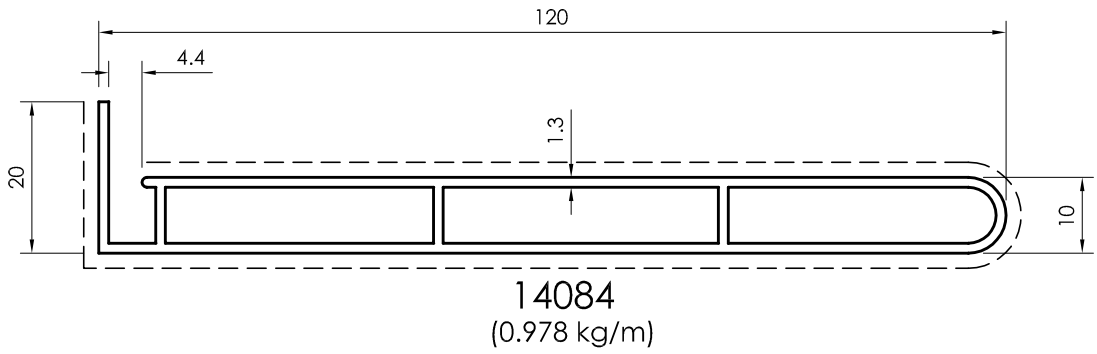
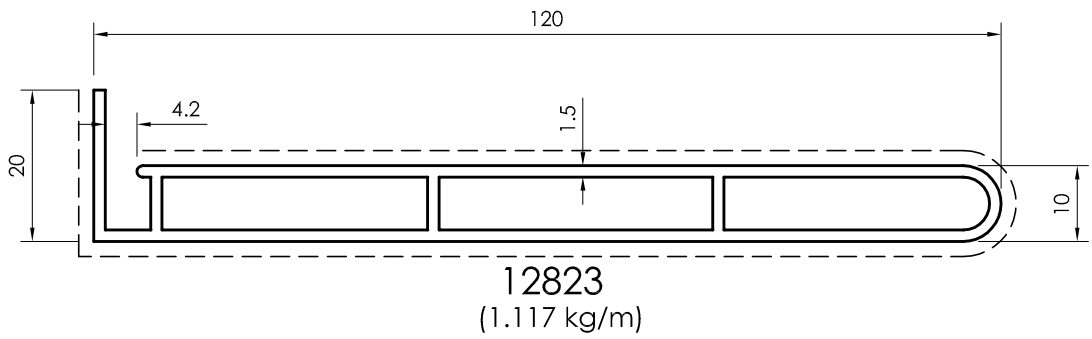
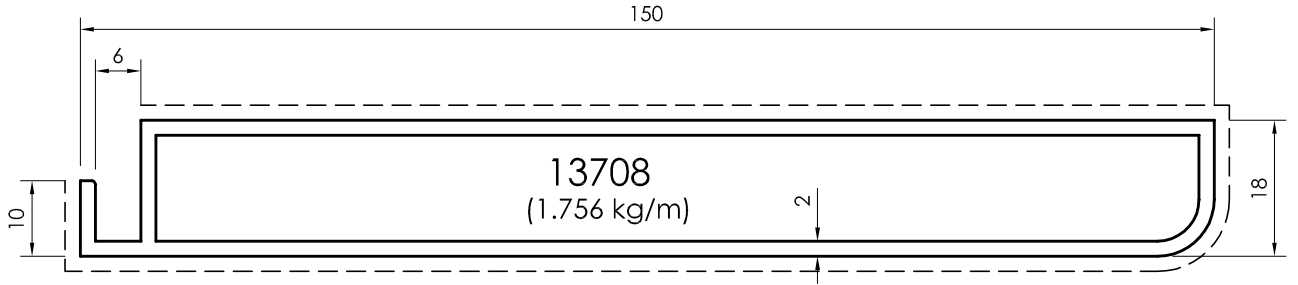
All dimensions in mm
----- Visible area

Kitchen



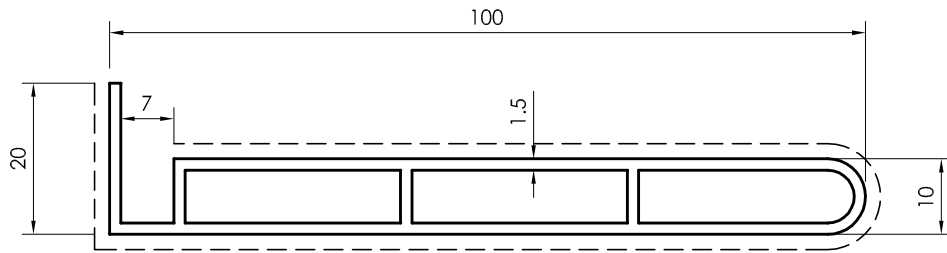
All dimensions in mm
Visible area_-----

Kitchen

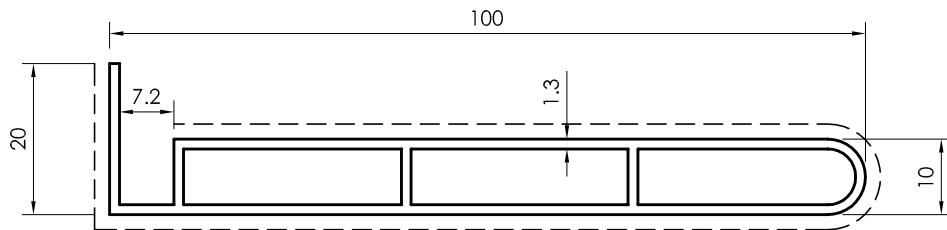


All dimensions in mm
 ----- Visible area

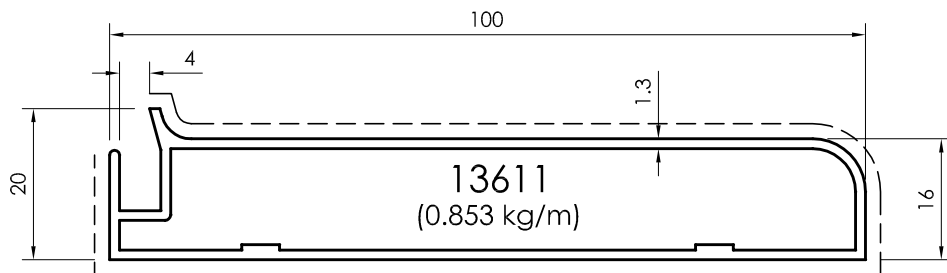
Kitchen



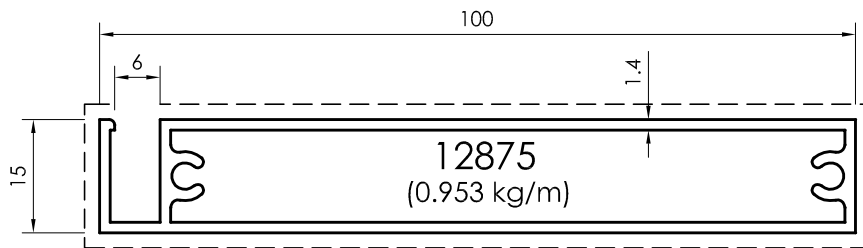
12360
(0.949 kg/m)



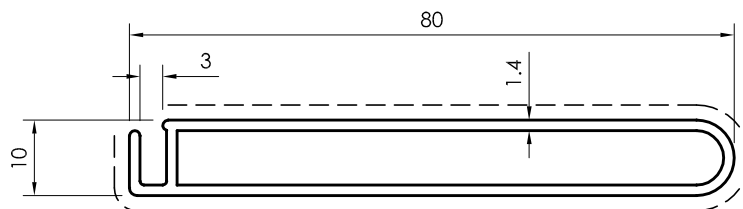
13989
(0.829 kg/m)



13611
(0.853 kg/m)



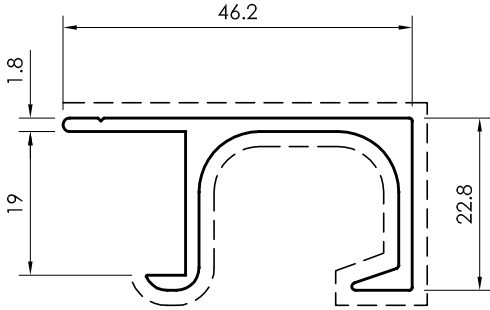
12875
(0.953 kg/m)



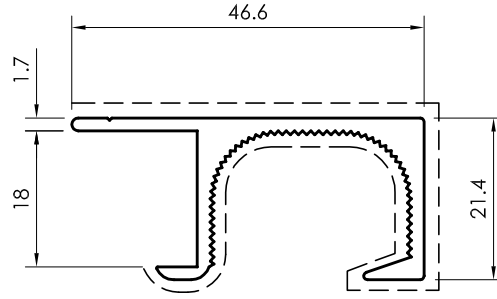
13452
(0.655 kg/m)

All dimensions in mm
Visible area_-----

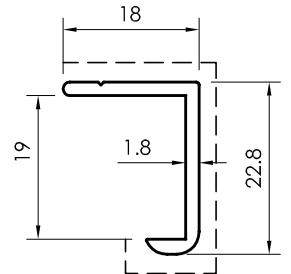
Kitchen



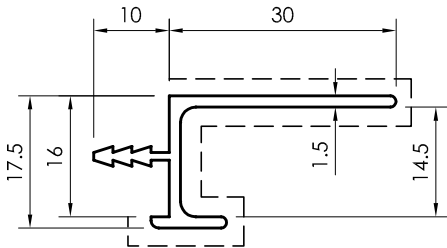
09372
(0.570 kg/m)



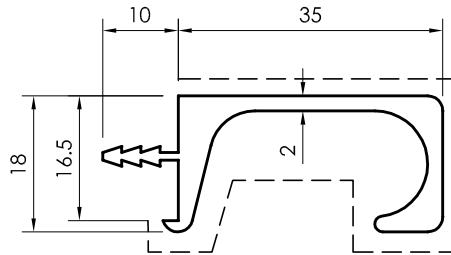
10454
(0.580 kg/m)



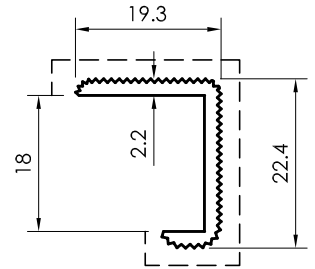
09371
(0.217 kg/m)



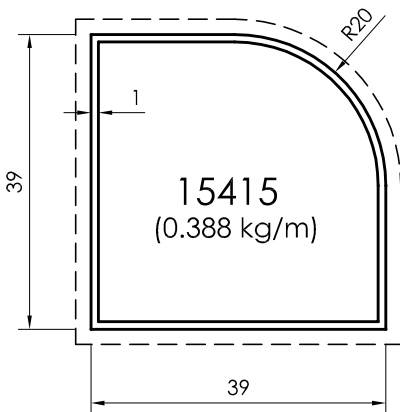
09097
(0.269 kg/m)



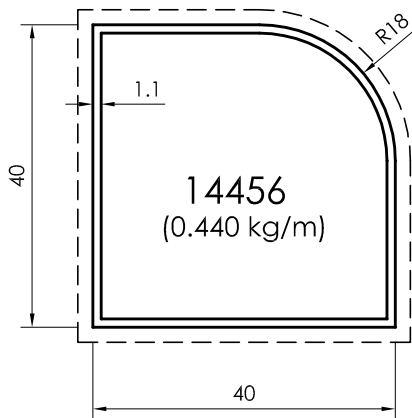
09098
(0.573 kg/m)



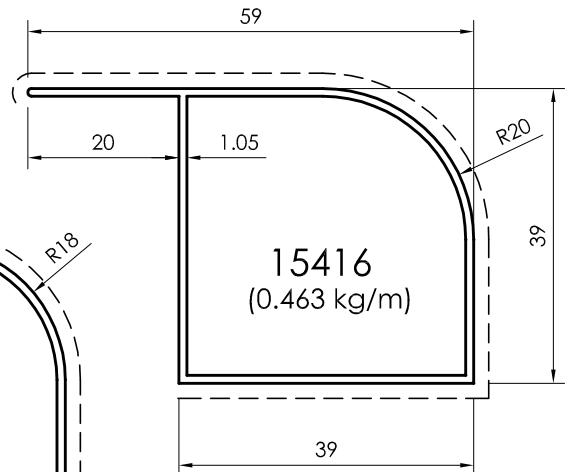
10455
(0.220 kg/m)



15415
(0.388 kg/m)



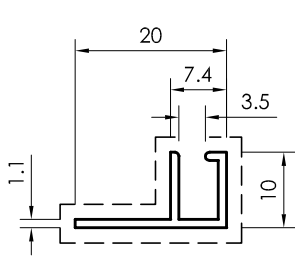
14456
(0.440 kg/m)



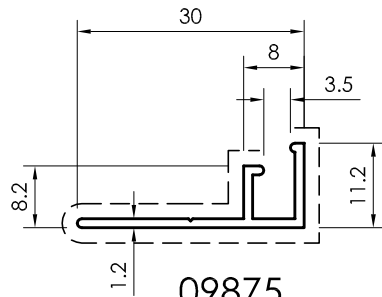
15416
(0.463 kg/m)

All dimensions in mm
----- Visible area

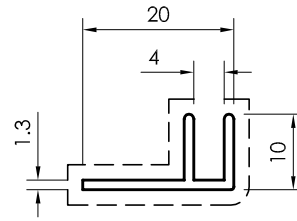
Kitchen



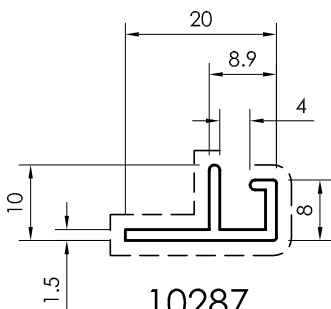
21012
(0.117 kg/m)



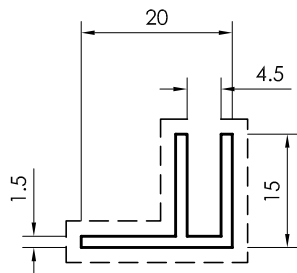
09875
(0.158 kg/m)



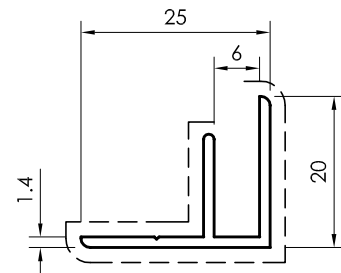
11381
(0.130 kg/m)



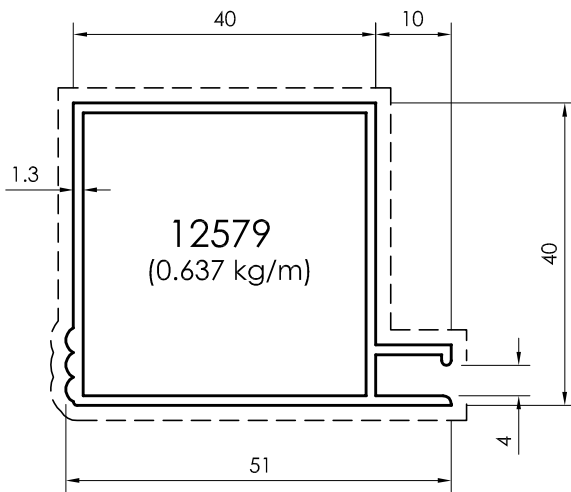
10287
(0.142 kg/m)



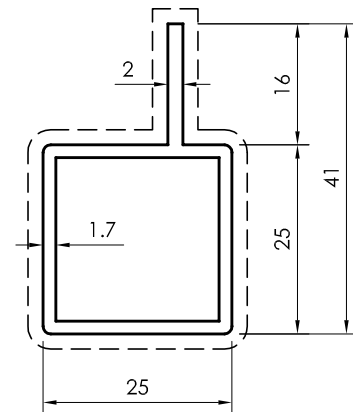
10620
(0.190 kg/m)



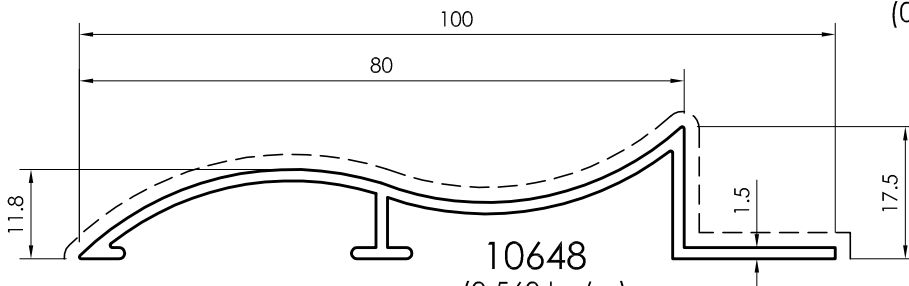
10683
(0.214 kg/m)



12579
(0.637 kg/m)



12336
(0.512 kg/m)

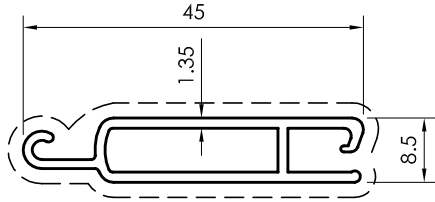


10648
(0.560 kg/m)

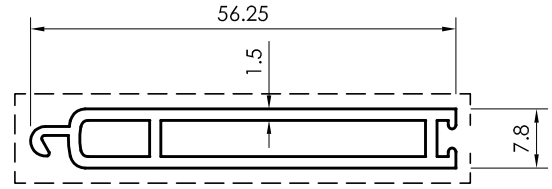
All dimensions in mm
Visible area_____

ROLLING SHUTTER

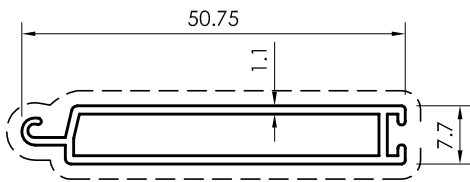
Rolling Shutter



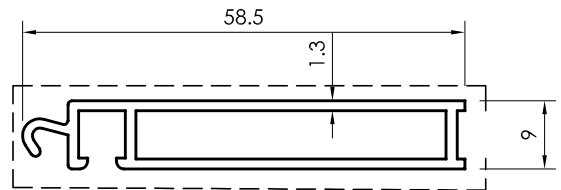
13987
(0.351 kg/m)



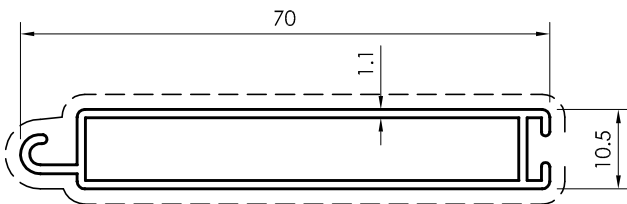
12759
(0.500 kg/m)



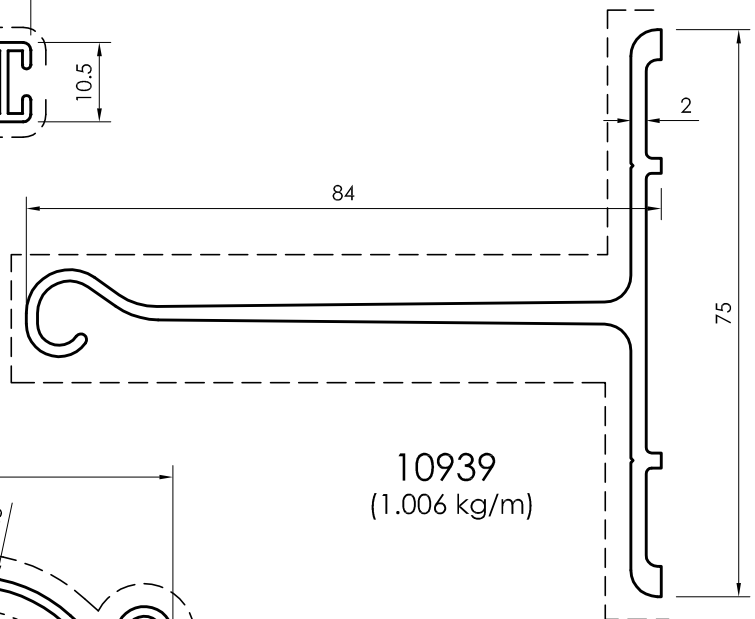
15727
(0.326 kg/m)



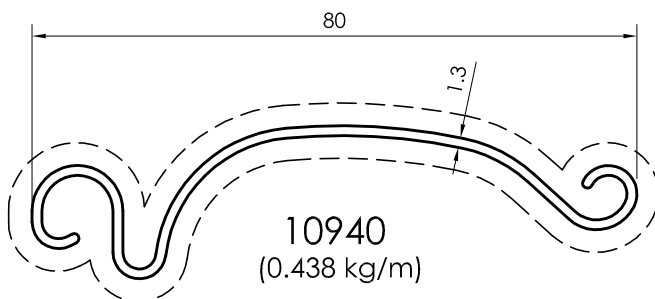
13548
(0.460 kg/m)



15728
(0.471 kg/m)



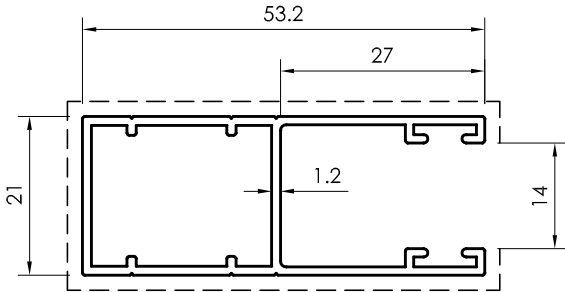
10939
(1.006 kg/m)



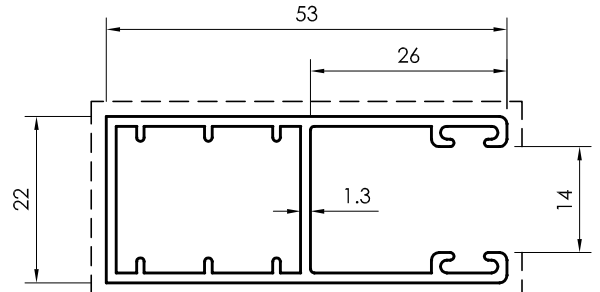
10940
(0.438 kg/m)

All dimensions in mm
Visible area_-----

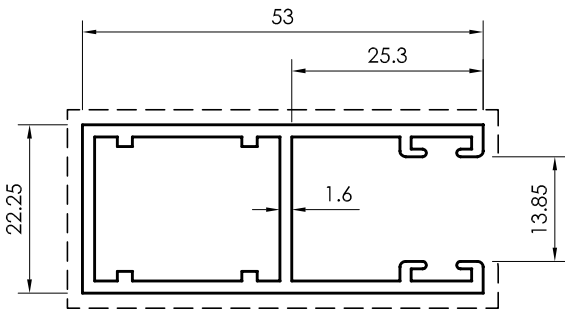
Rolling Shutter



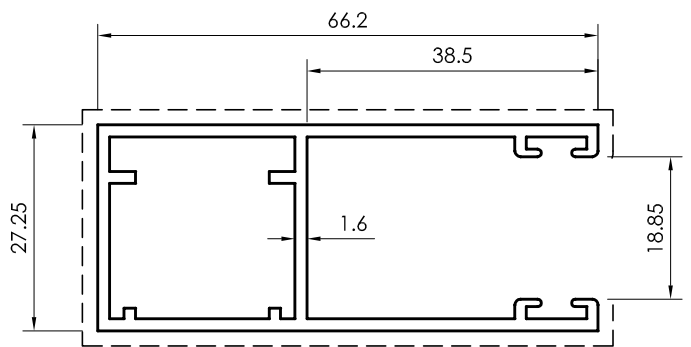
15725
(0.516 kg/m)



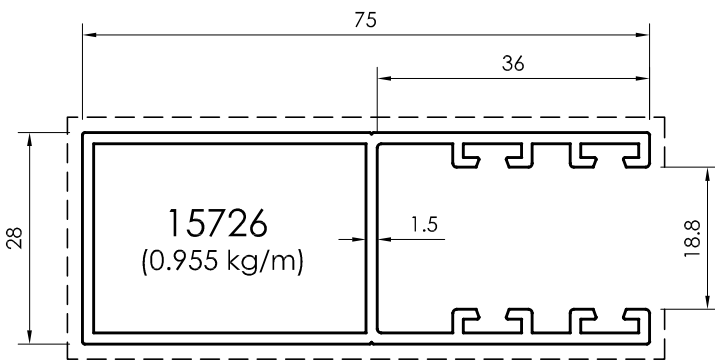
14344
(0.592 kg/m)



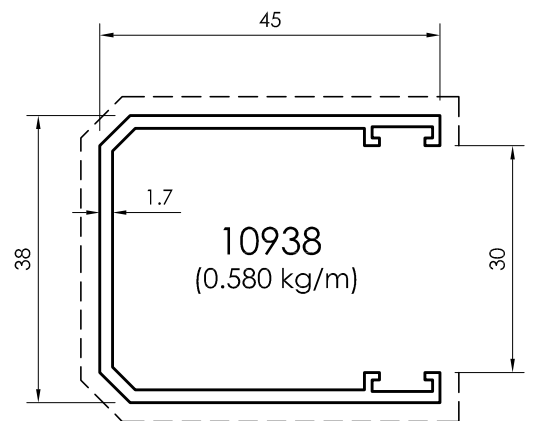
12758
(0.711 kg/m)



12757
(0.882 kg/m)



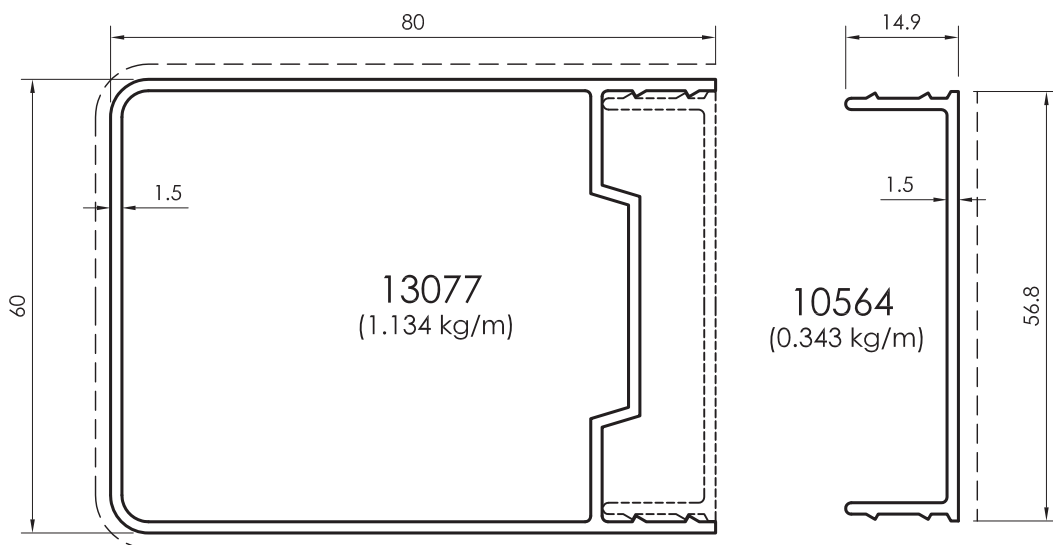
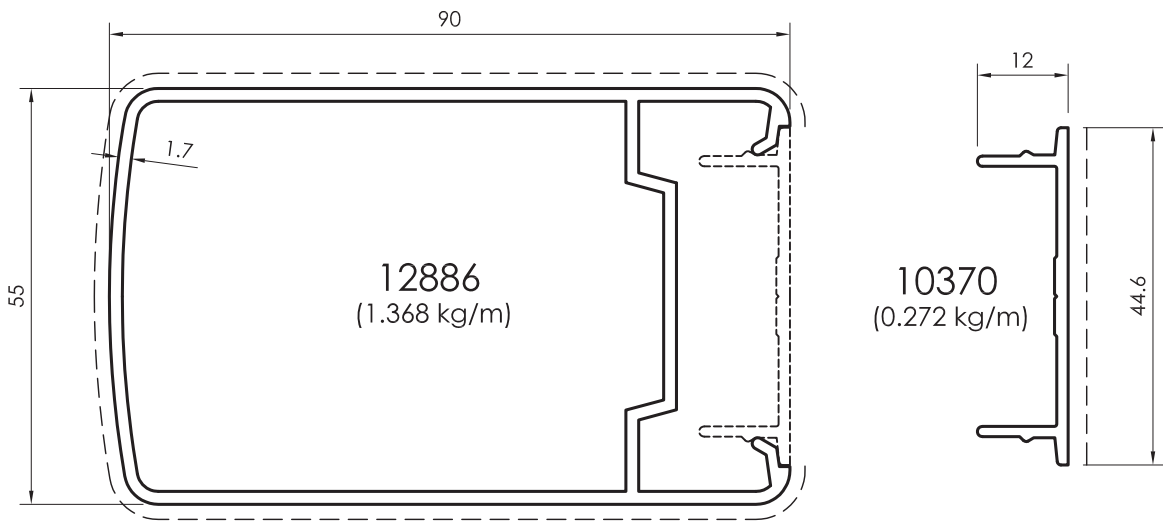
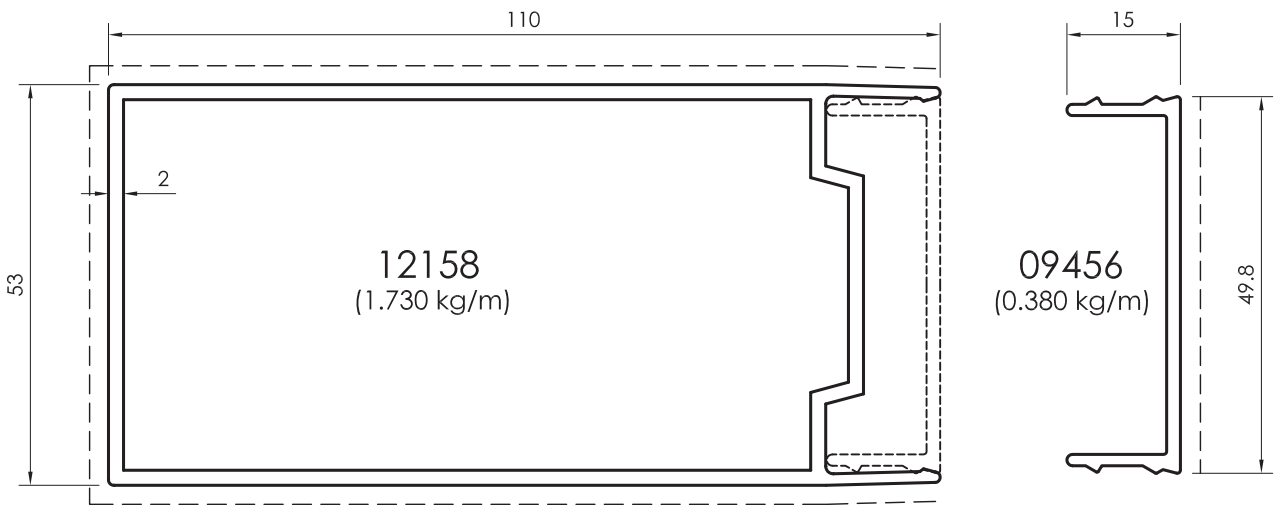
15726
(0.955 kg/m)



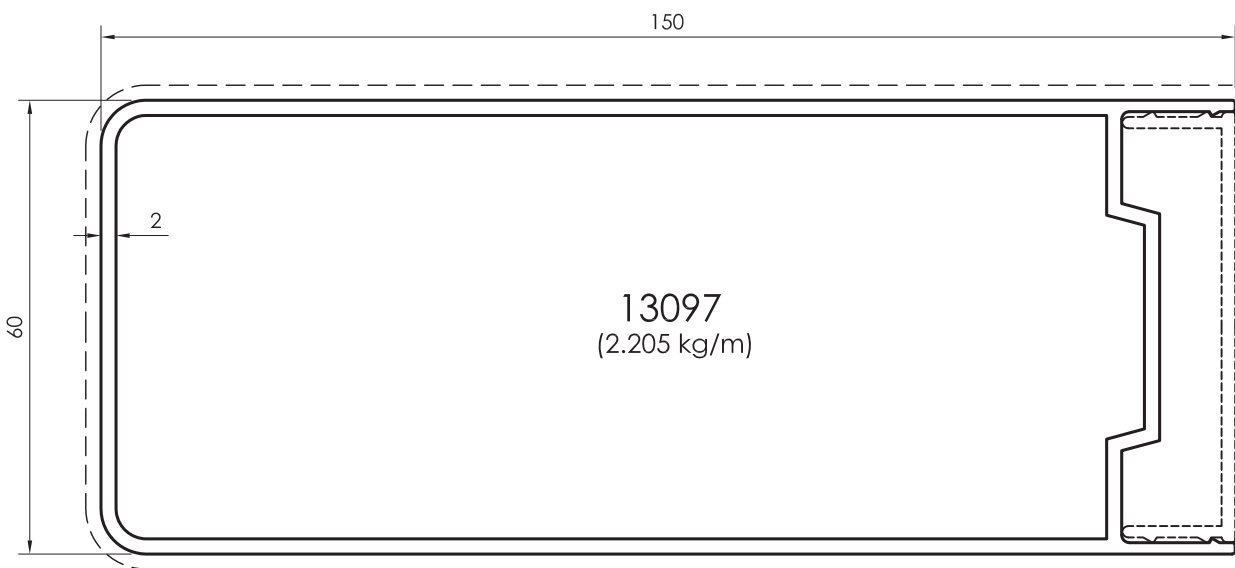
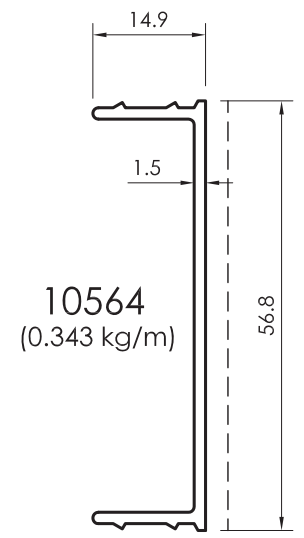
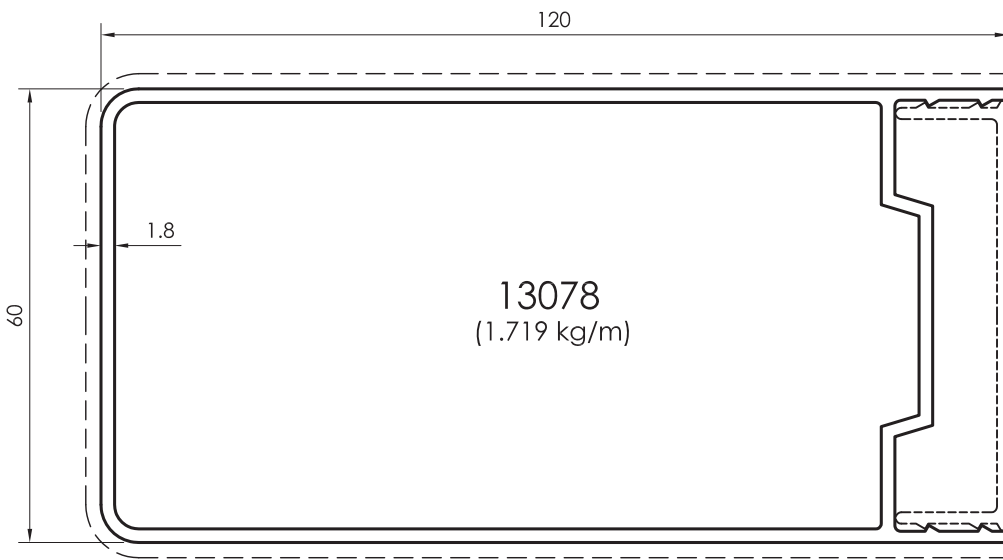
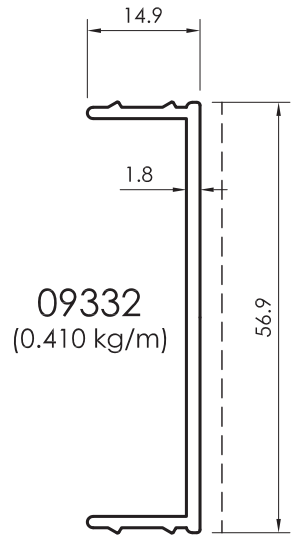
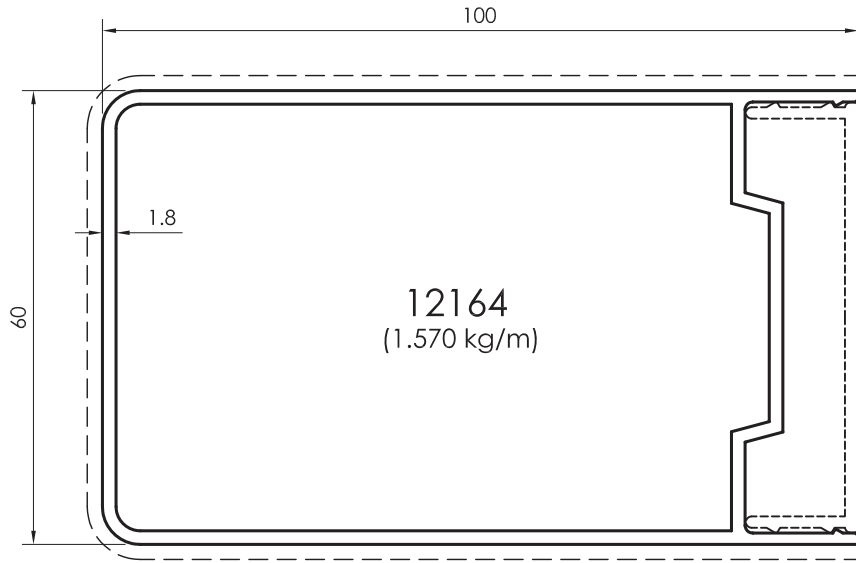
10938
(0.580 kg/m)

All dimensions in mm
----- Visible area

BALUSTRADES

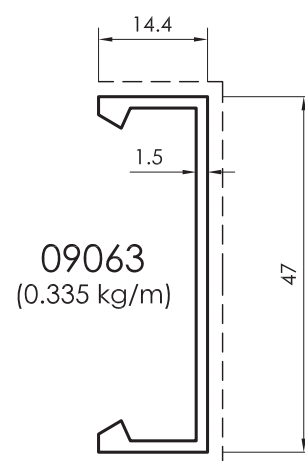
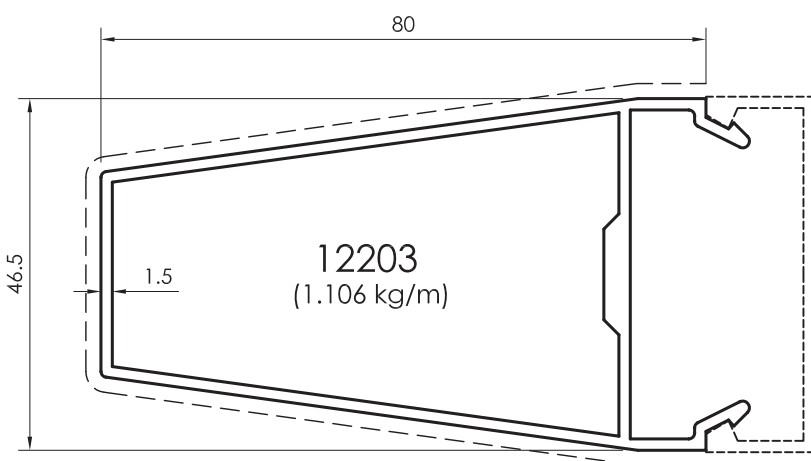
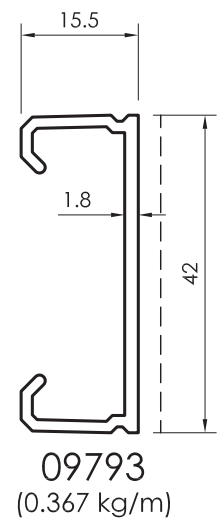
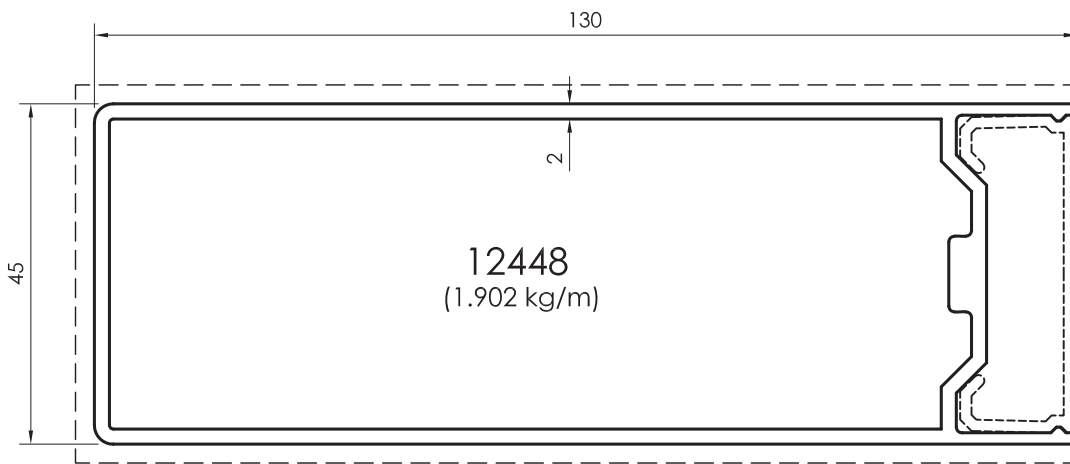
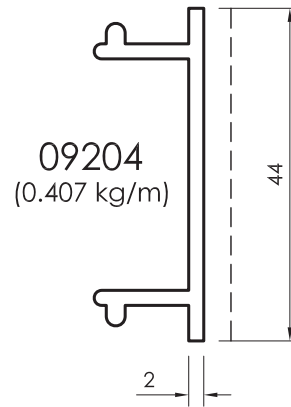
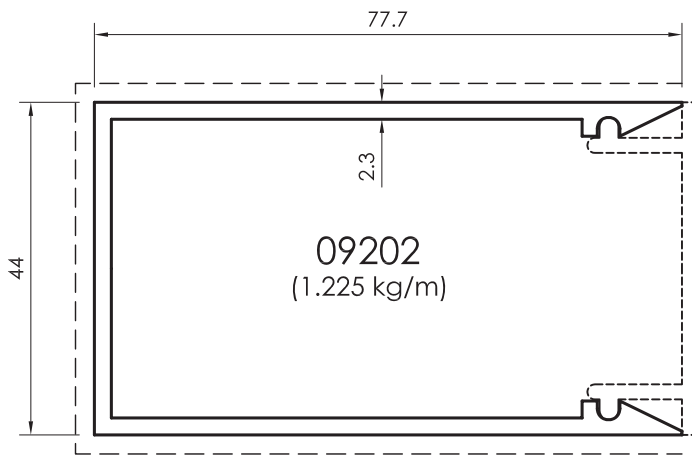


All dimensions in mm
Visible area_____

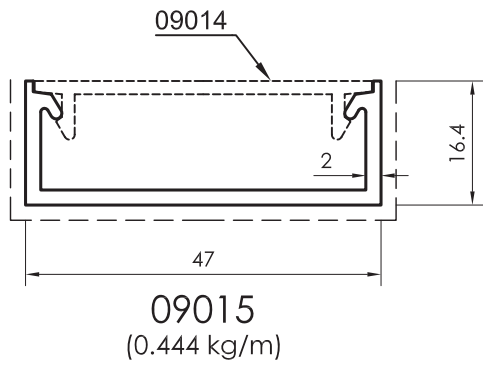
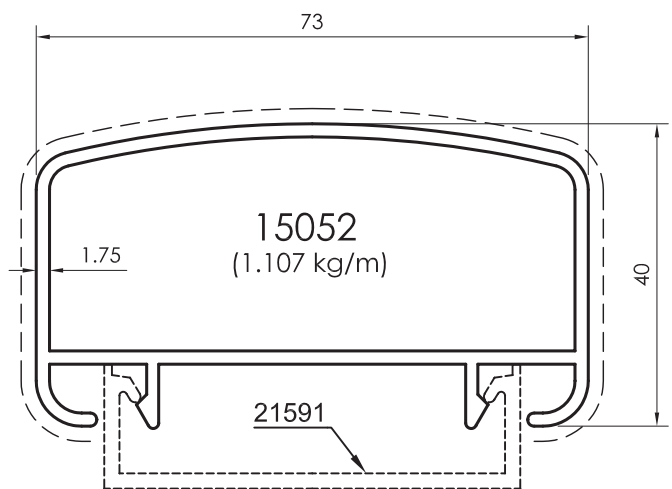
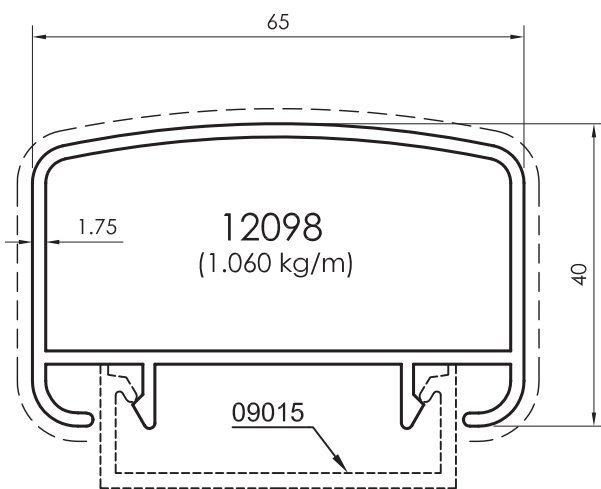
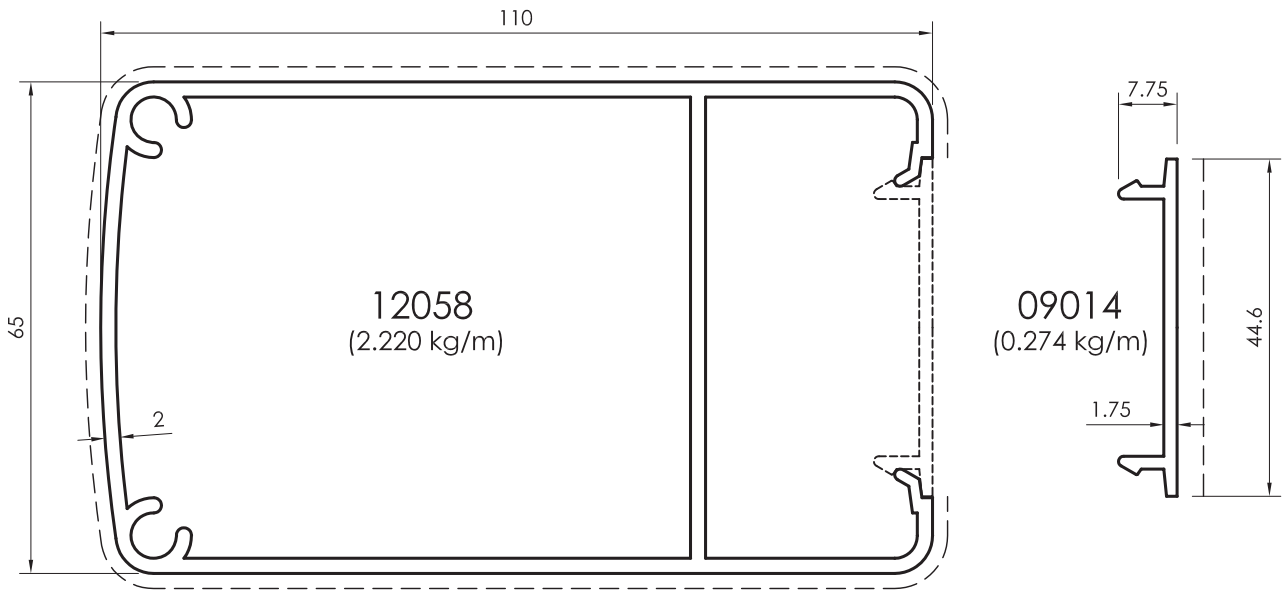


09332
0.410kg/m

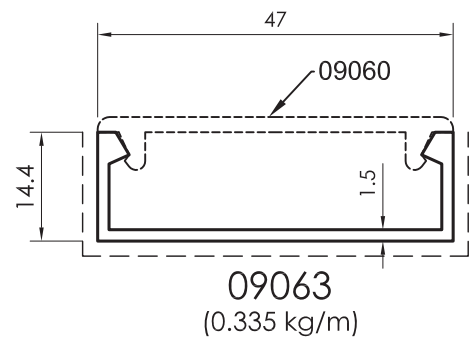
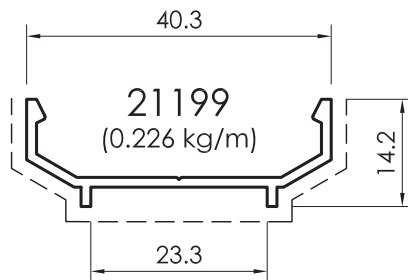
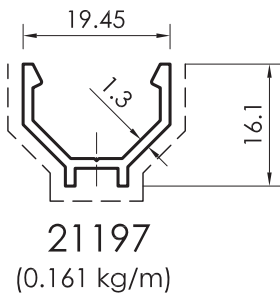
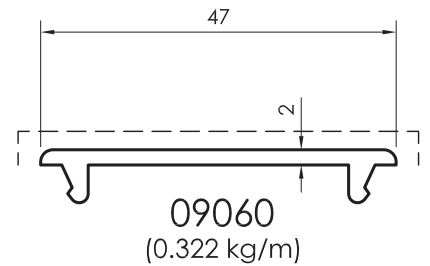
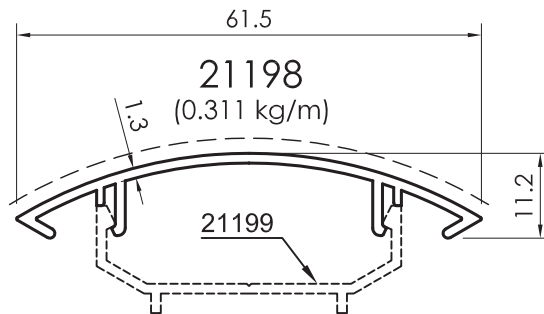
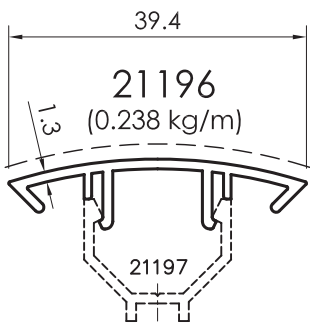
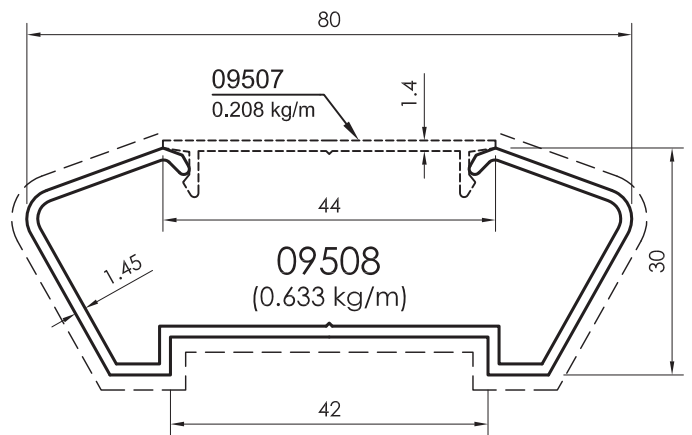
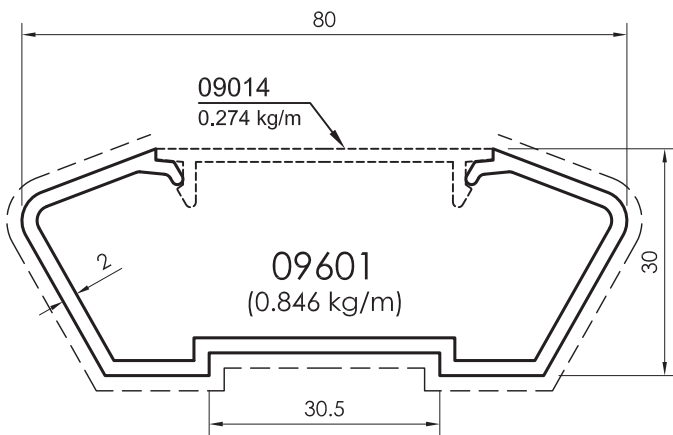
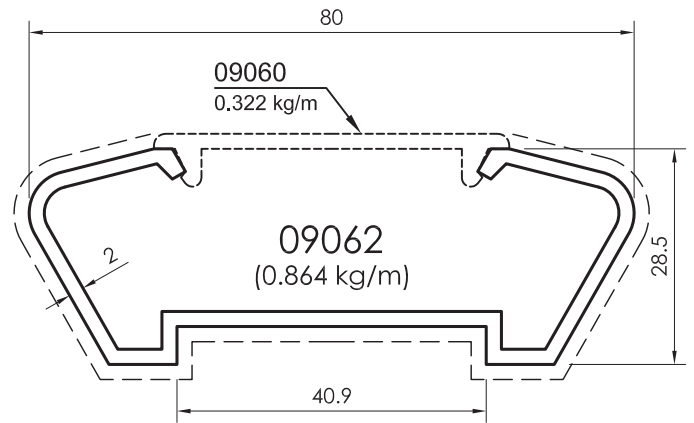
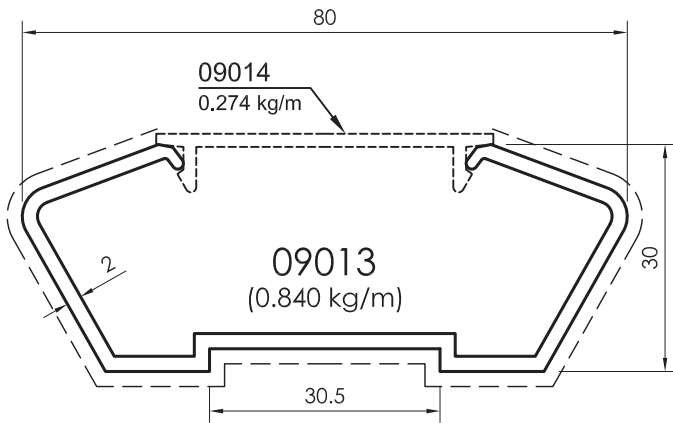
All dimensions in mm
----- Visible area



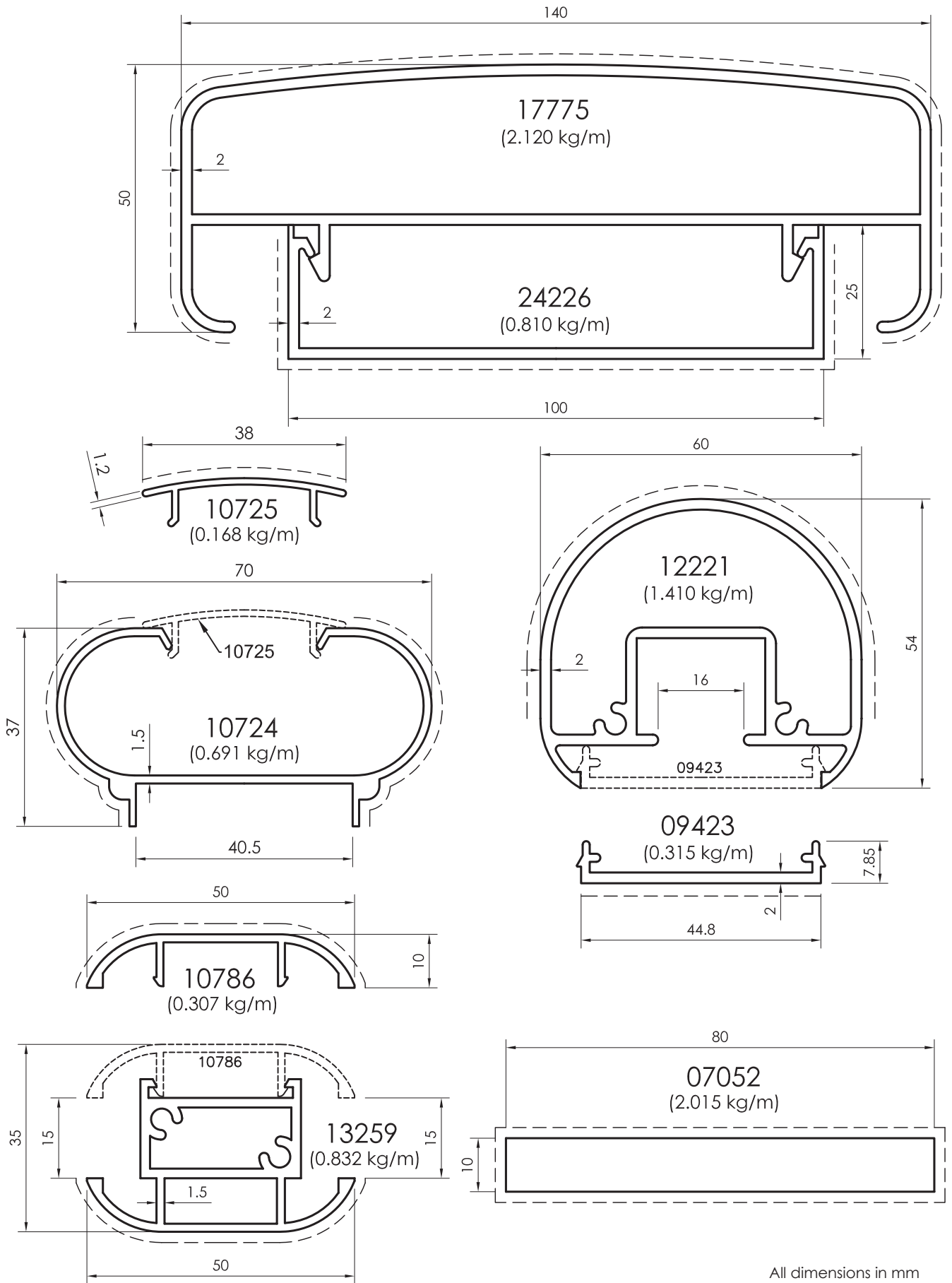
All dimensions in mm
Visible area_-----



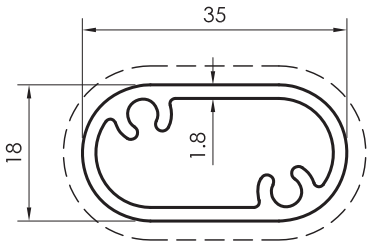
All dimensions in mm
 ----- Visible area



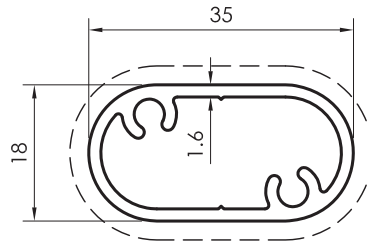
All dimensions in mm
Visible area_____



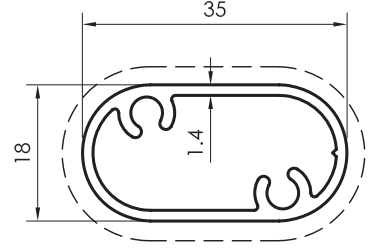
All dimensions in mm
 ----- Visible area



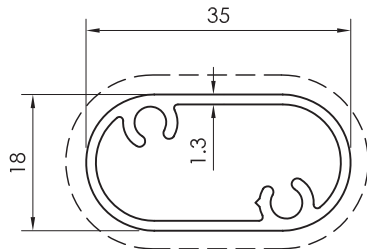
12003
(0.496 kg/m)



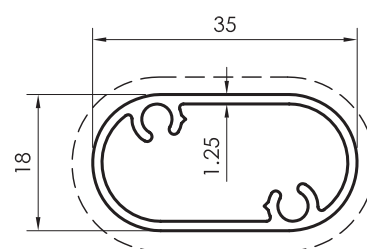
12252
(0.454 kg/m)



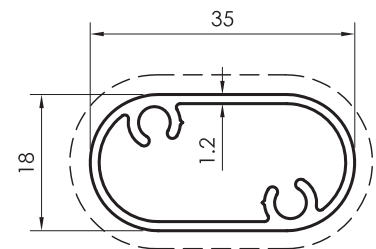
12264
(0.420 kg/m)



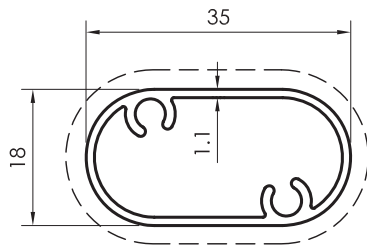
12299
(0.405 kg/m)



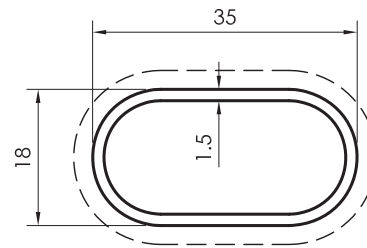
13653
(0.360 kg/m)



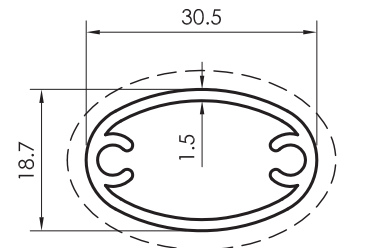
13855
(0.368 kg/m)



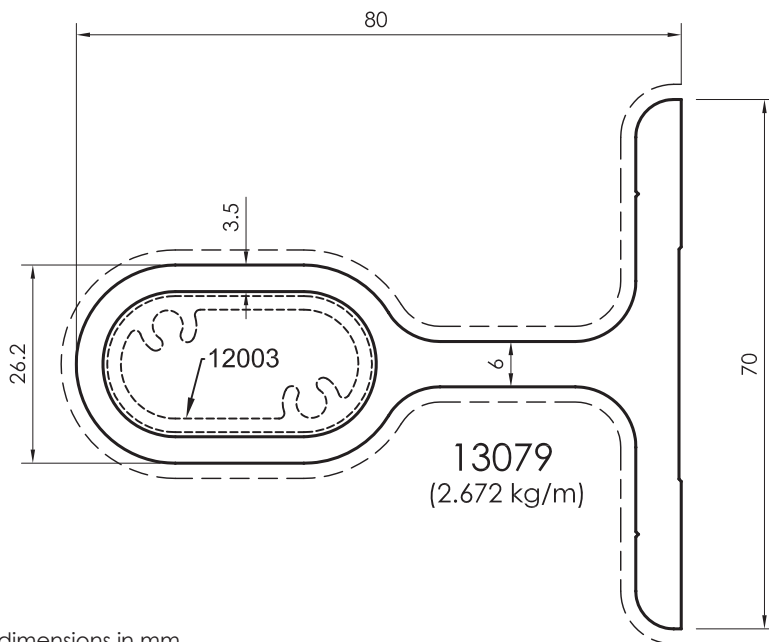
14476
(0.330 kg/m)



12127
(0.354 kg/m)

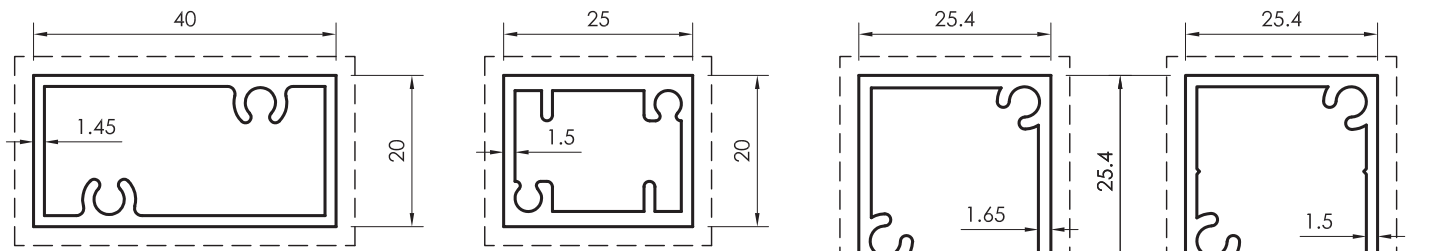
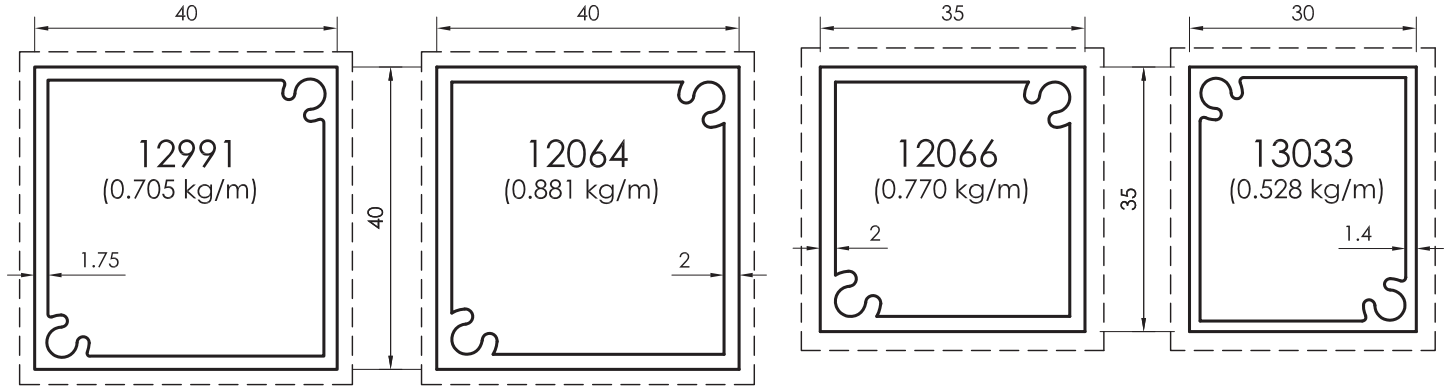
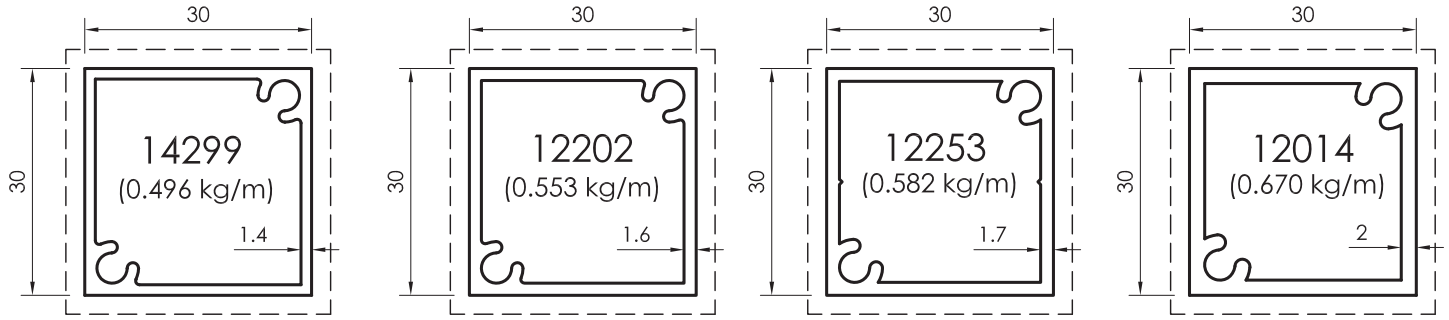


12494
(0.370 kg/m)



13079
(2.672 kg/m)

All dimensions in mm
Visible area_

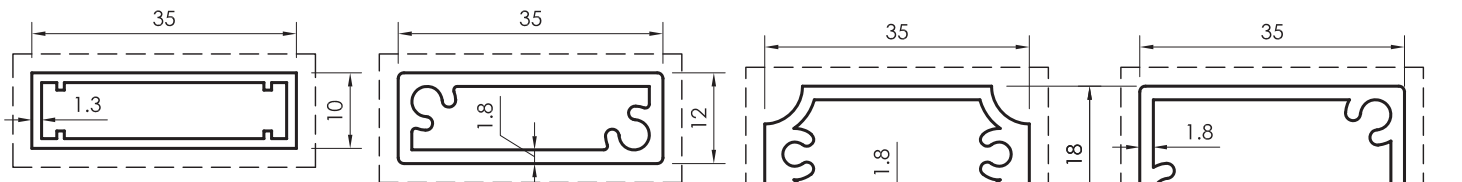


12265
(0.535 kg/m)

13007
(0.476 kg/m)

12088
(0.484 kg/m)

12251
(0.448 kg/m)

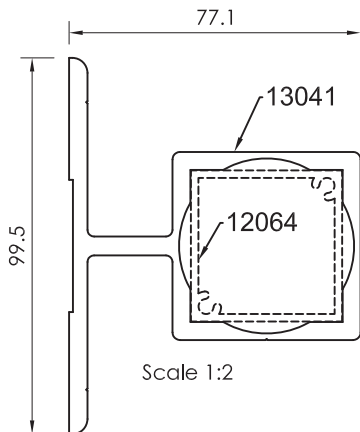


12952
(0.308 kg/m)

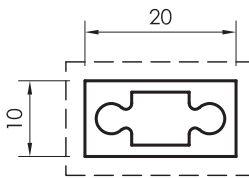
12254
(0.495 kg/m)

12084
(0.527 kg/m)

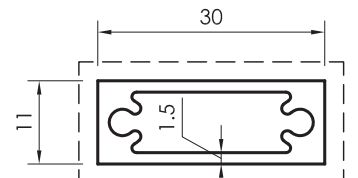
12045
(0.598 kg/m)



Scale 1:2

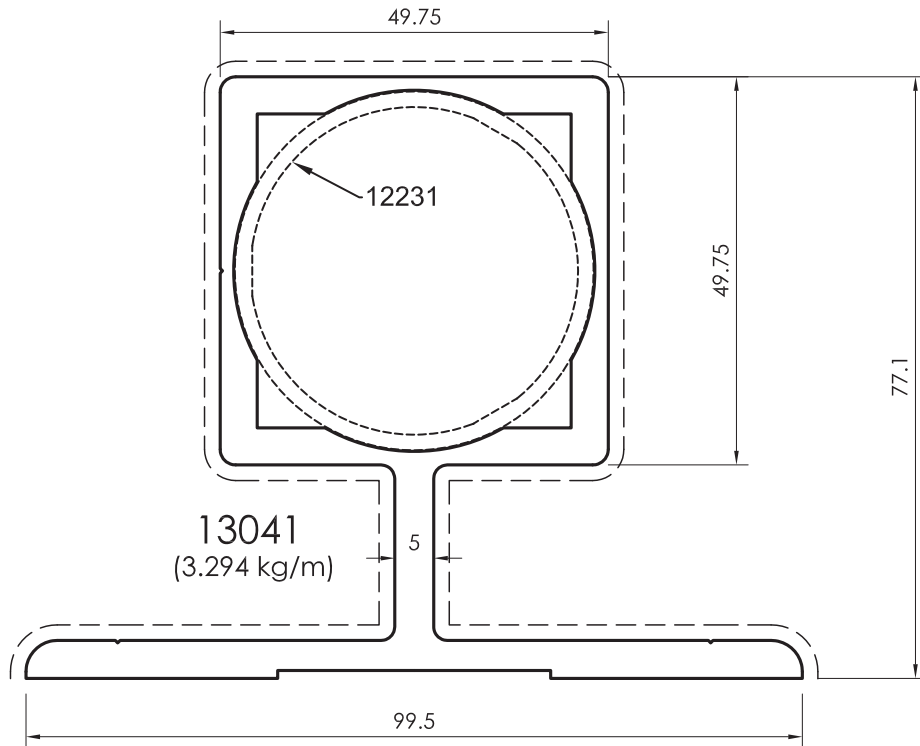
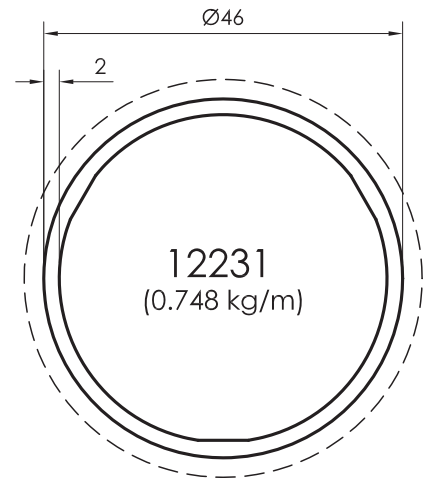
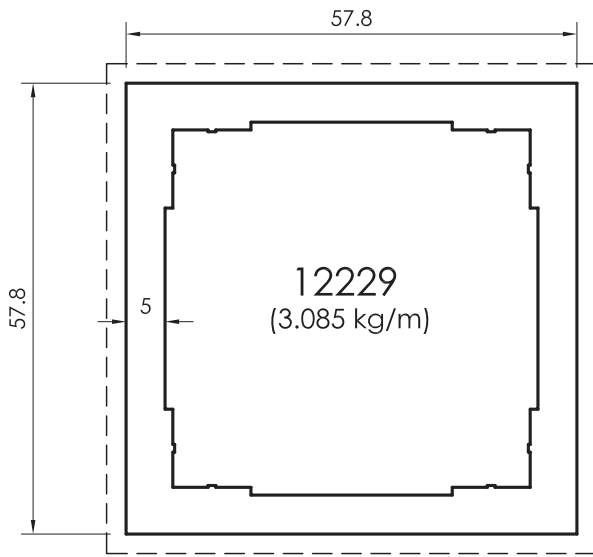
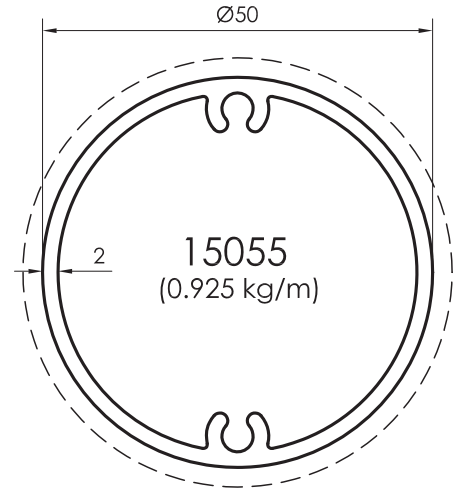
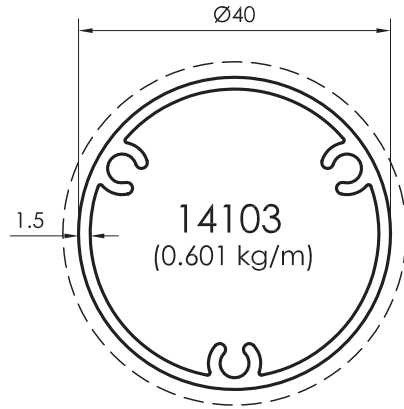
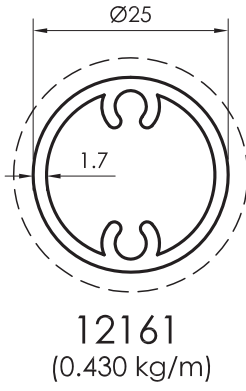


12085
(0.311 kg/m)

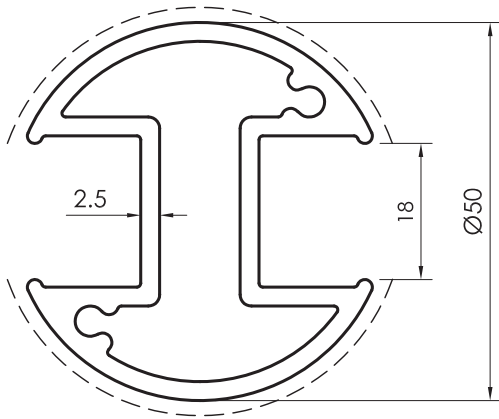


12520
(0.410 kg/m)

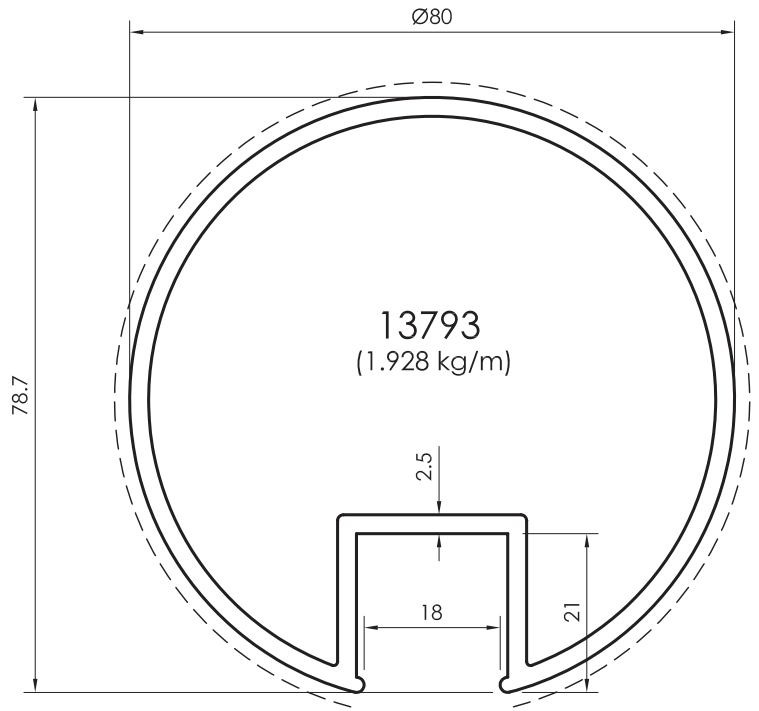
All dimensions in mm
--- Visible area



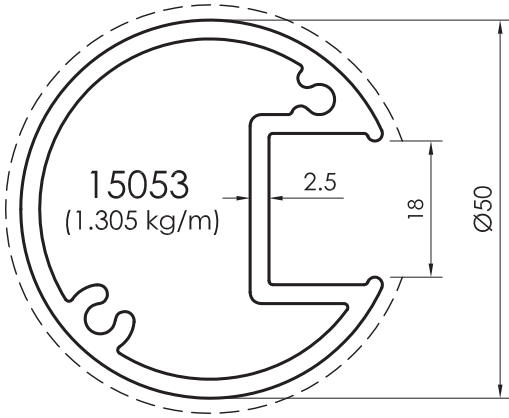
All dimensions in mm
Visible area_-----



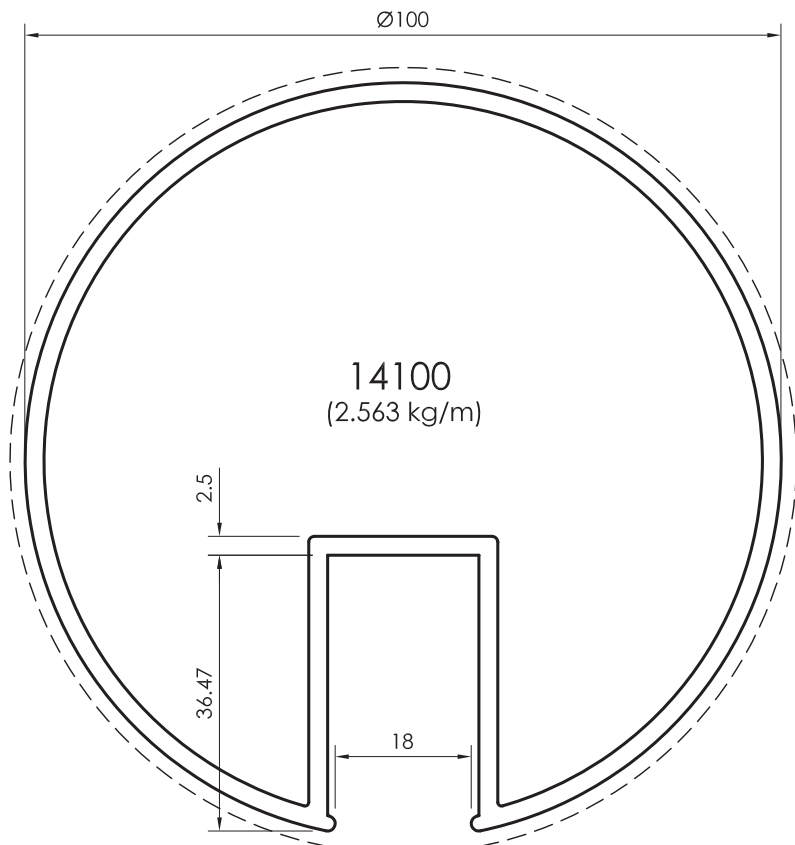
15054
(1.459 kg/m)



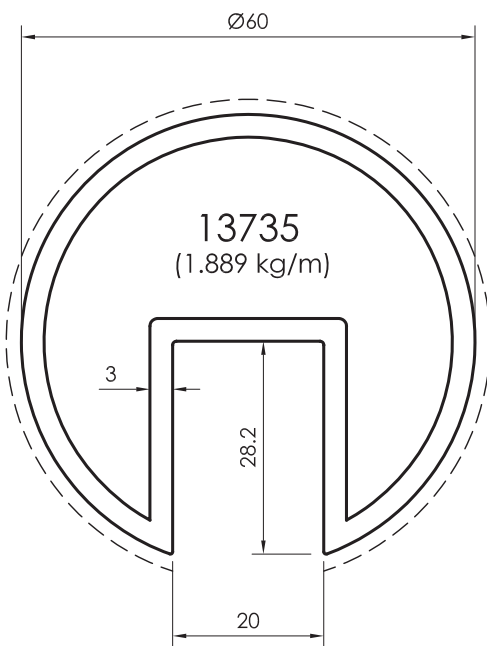
13793
(1.928 kg/m)



15053
(1.305 kg/m)

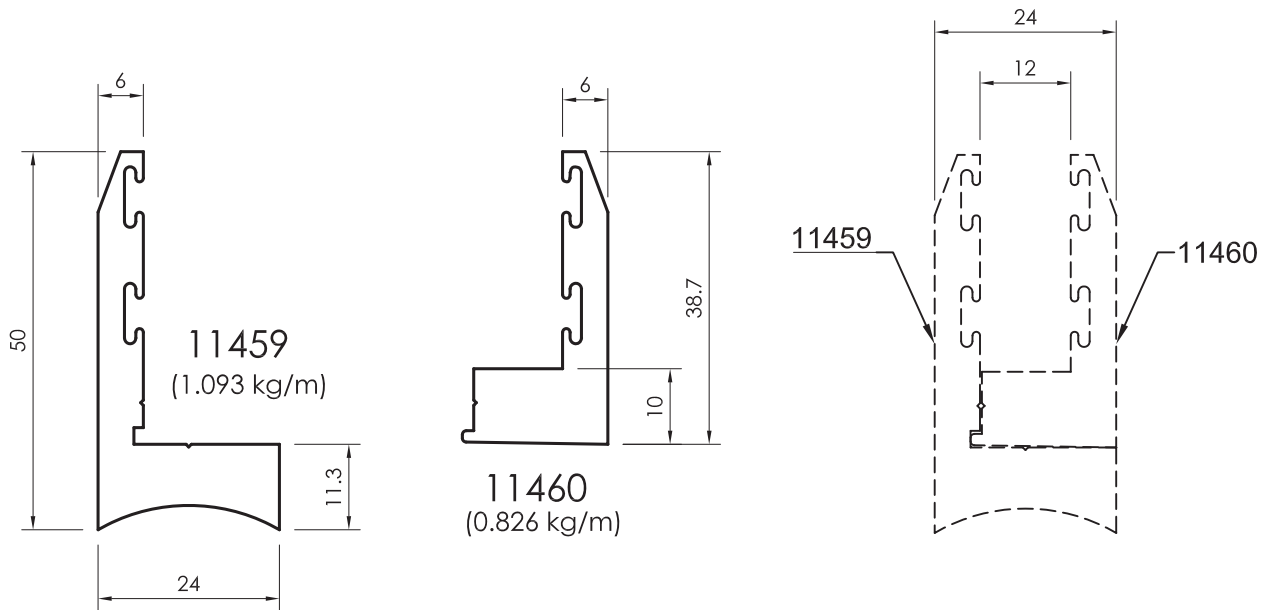
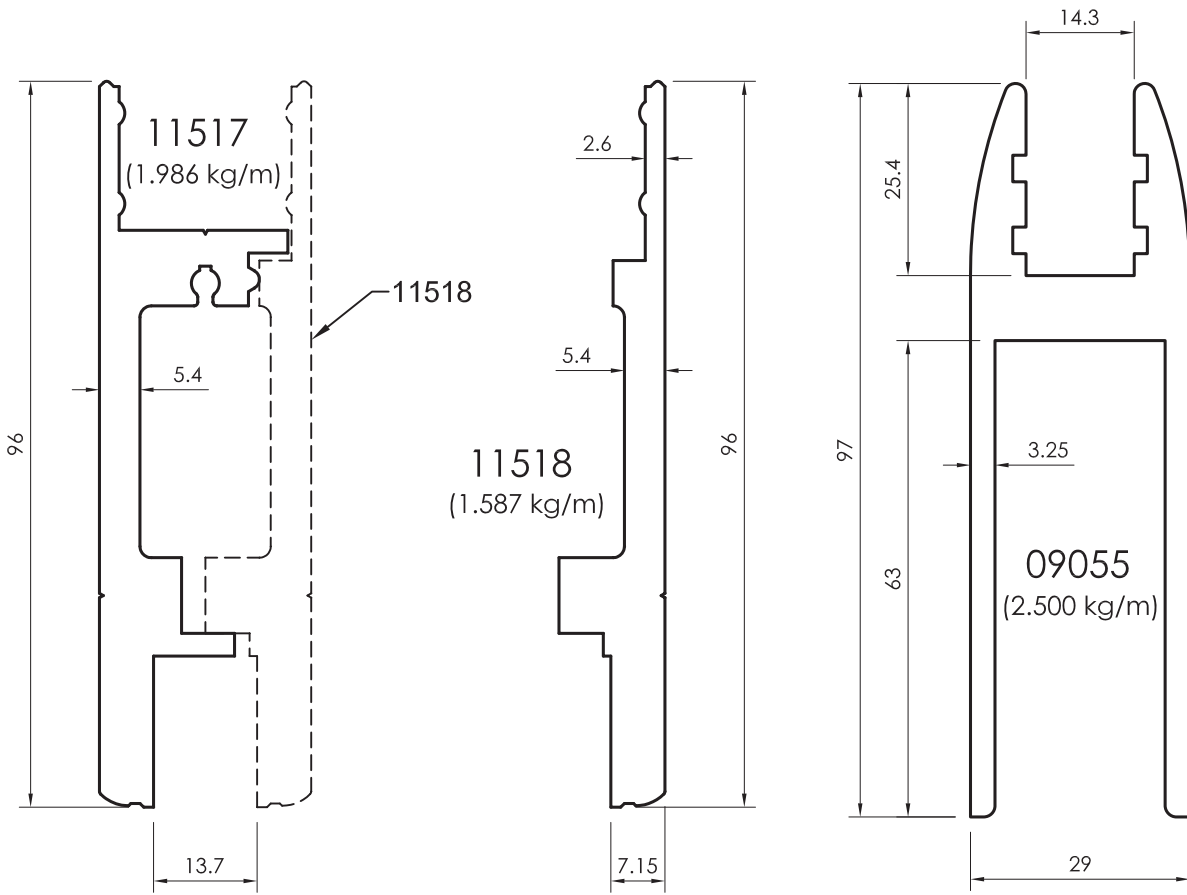


14100
(2.563 kg/m)

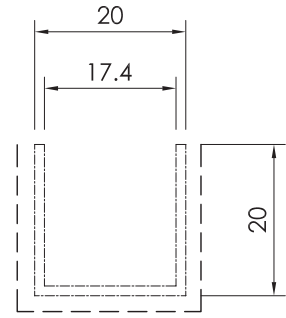
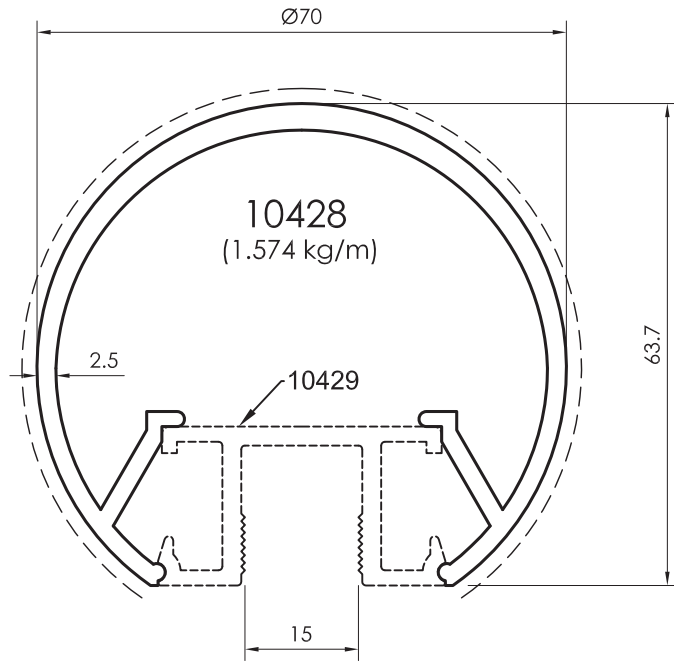


13735
(1.889 kg/m)

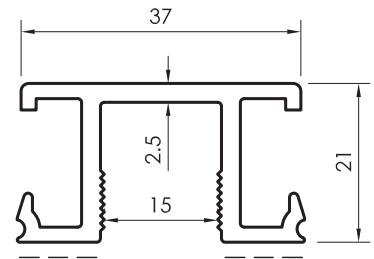
All dimensions in mm
----- Visible area



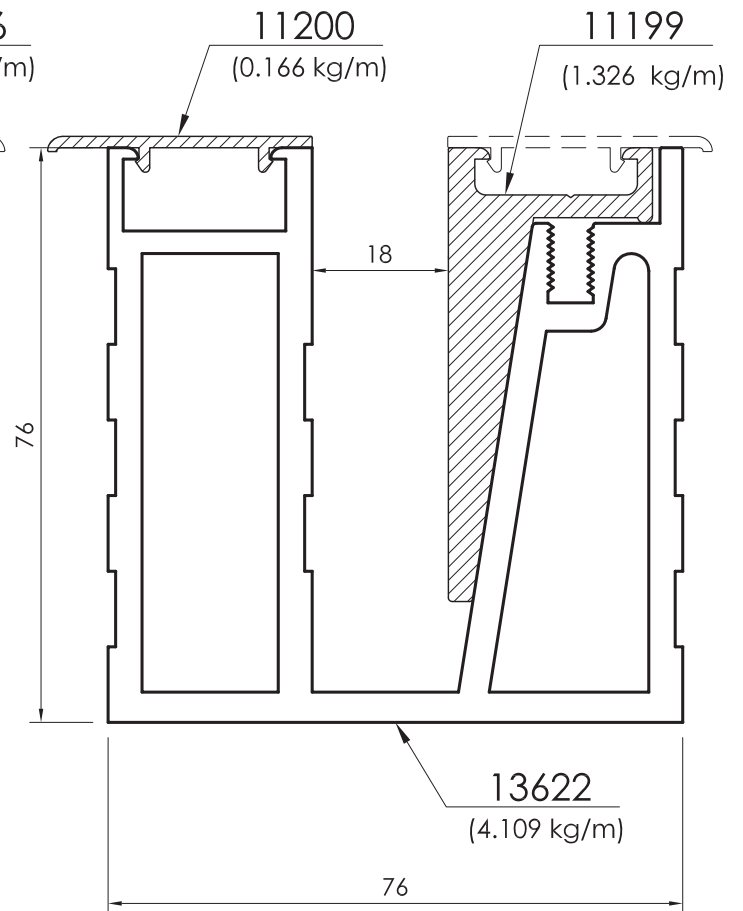
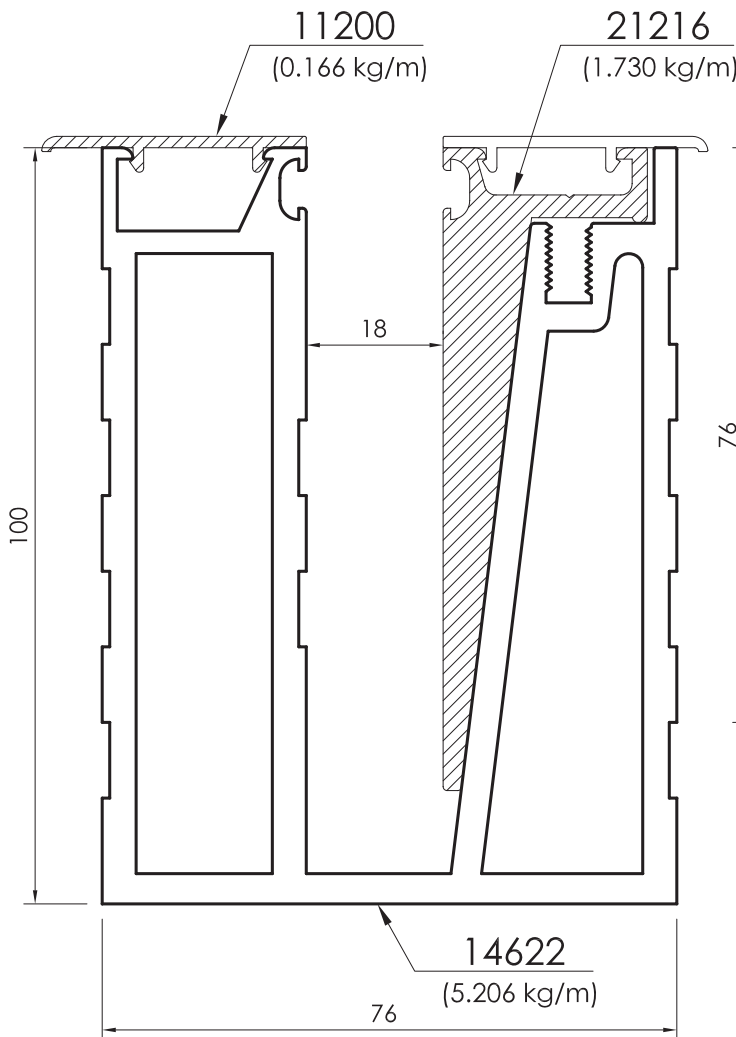
All dimensions in mm
Visible area_-----



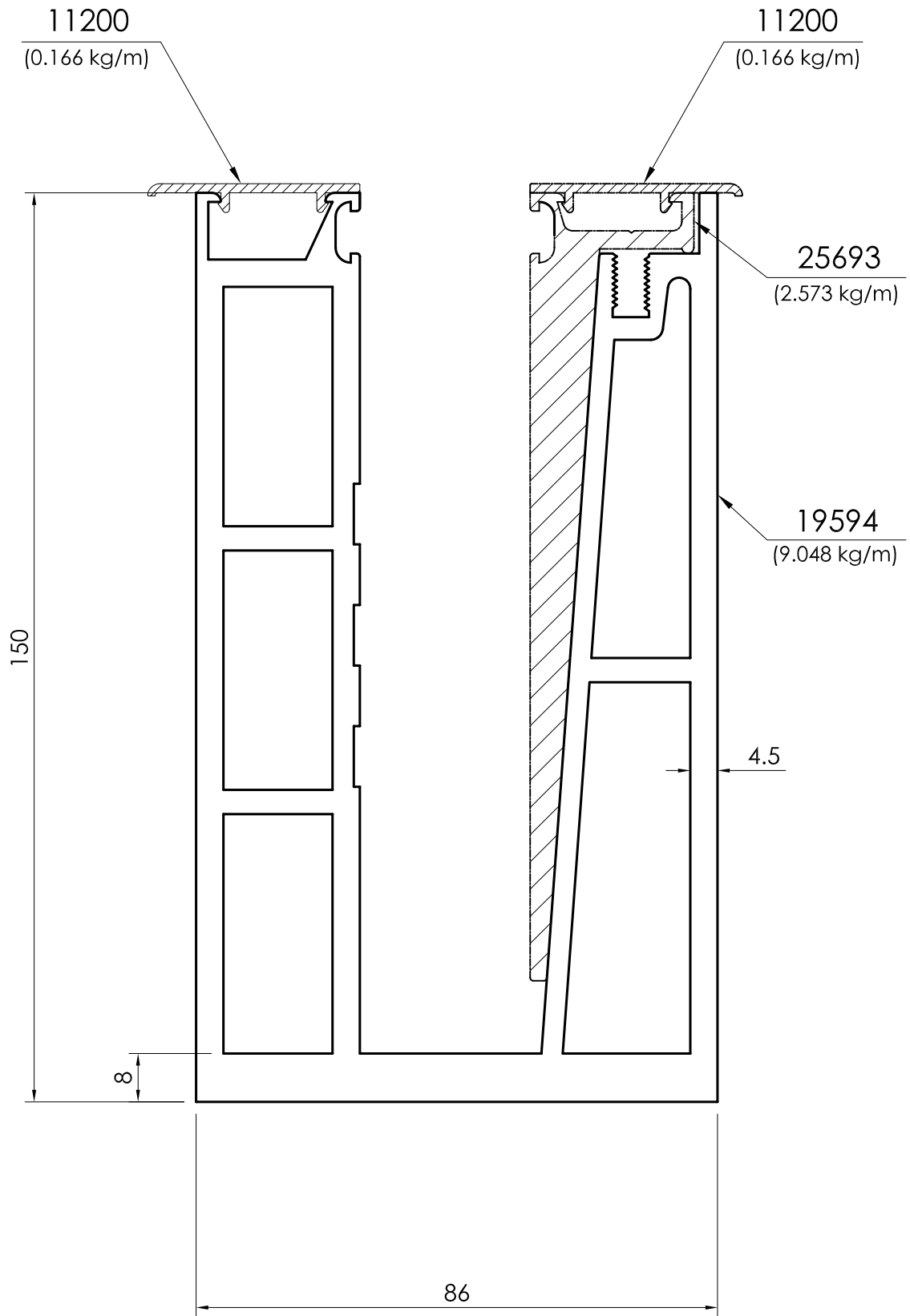
03080
(0.201 kg/m)



10429
(0.633 kg/m)



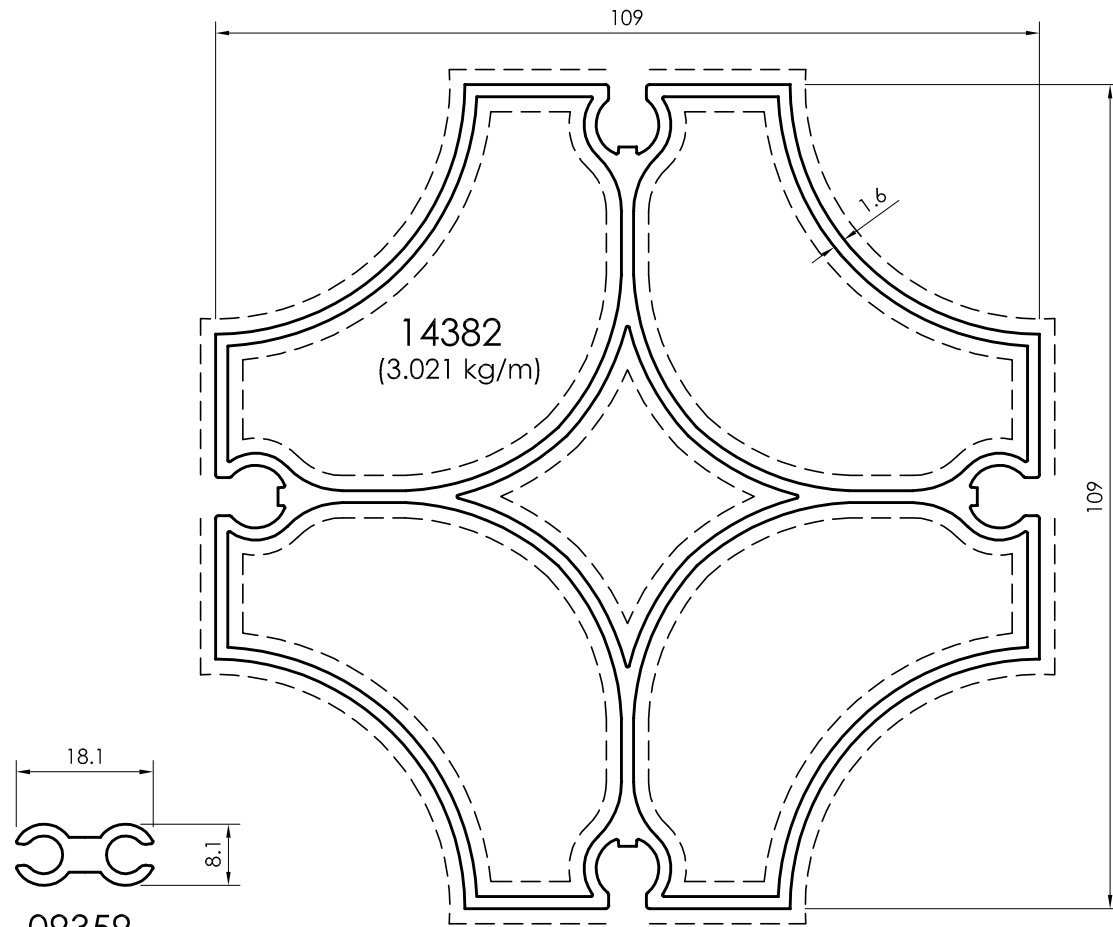
All dimensions in mm
- - - - - Visible area



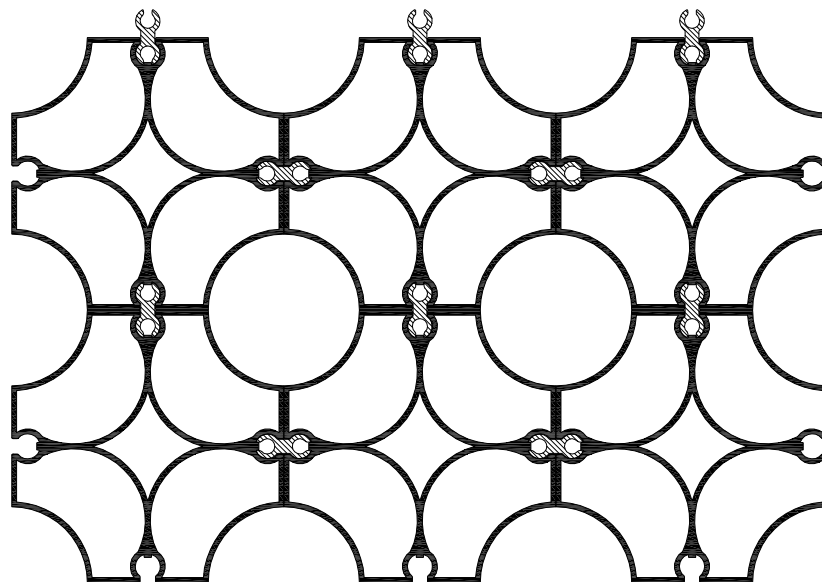
All dimensions in mm
Visible area_-----

CLAUSTRA

Claustra



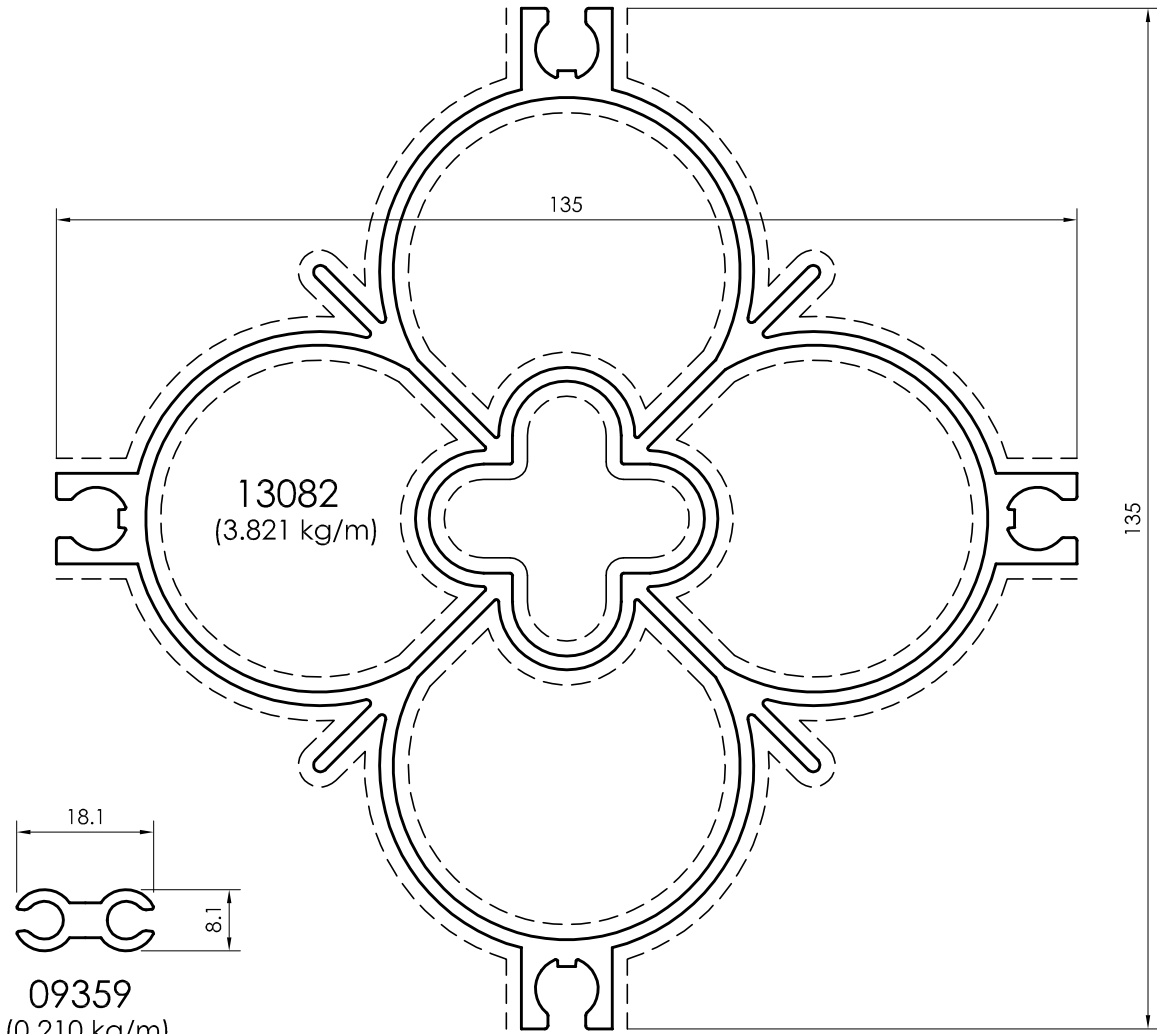
09359
(0.210 kg/m)



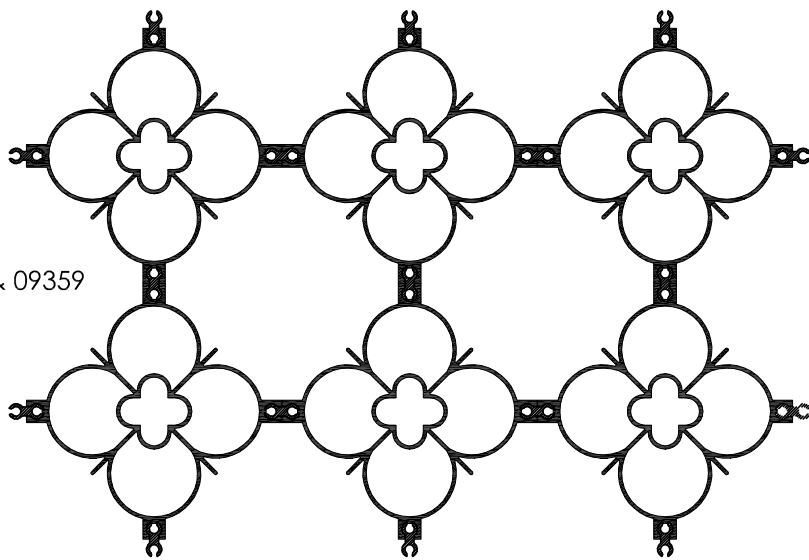
ASSEMBLY OF PROFILES 12993 & 09359

All dimensions in mm
Visible area_-----

Claustra

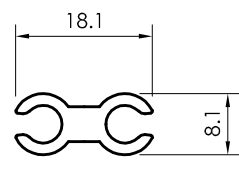
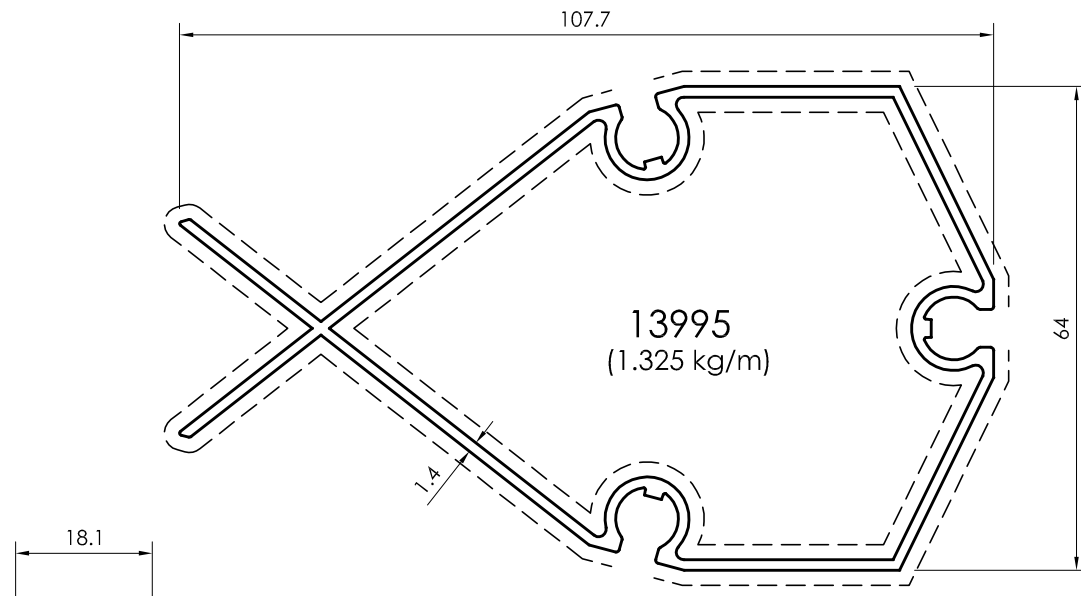


ASSEMBLY OF
PROFILES 13082 & 09359

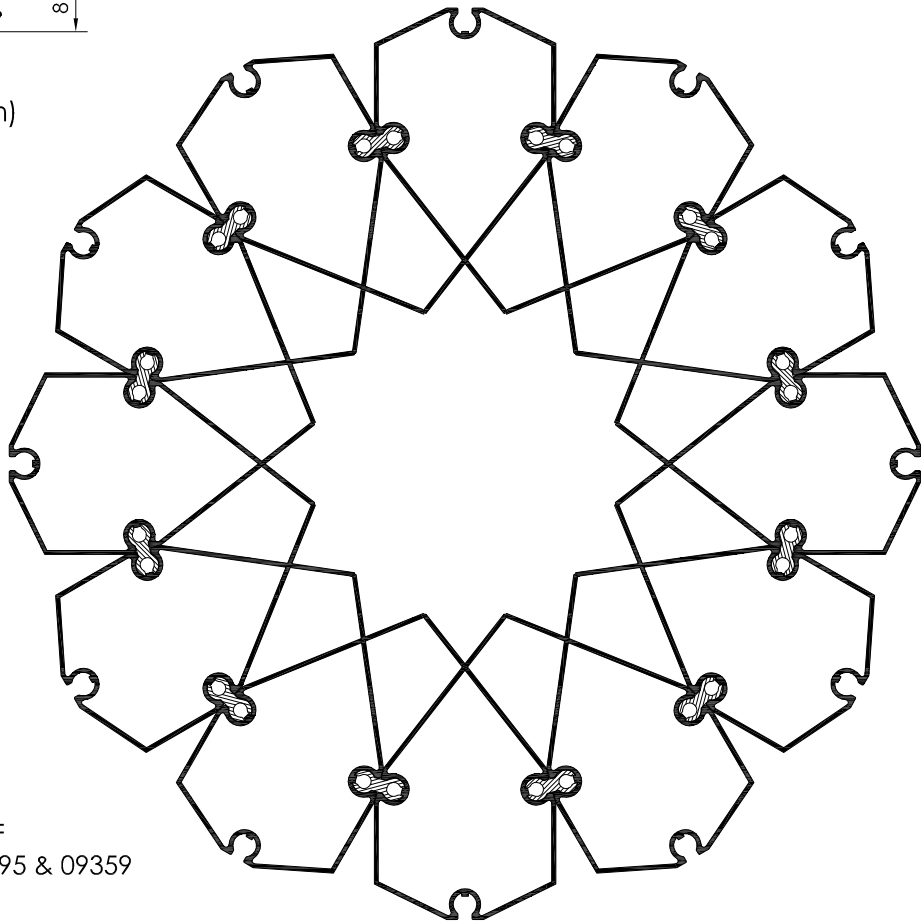


All dimensions in mm
----- Visible area

Claustra



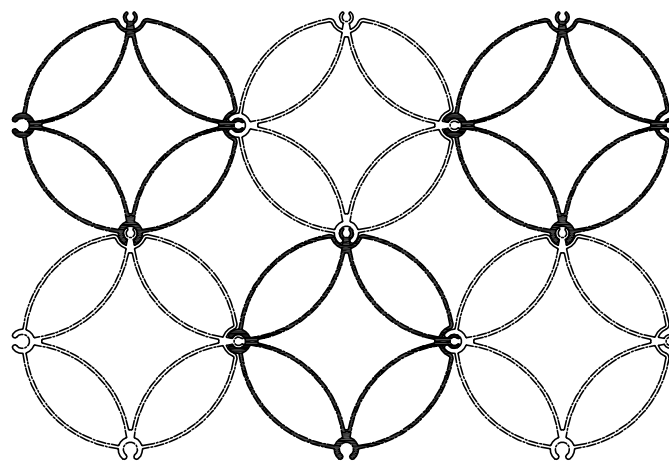
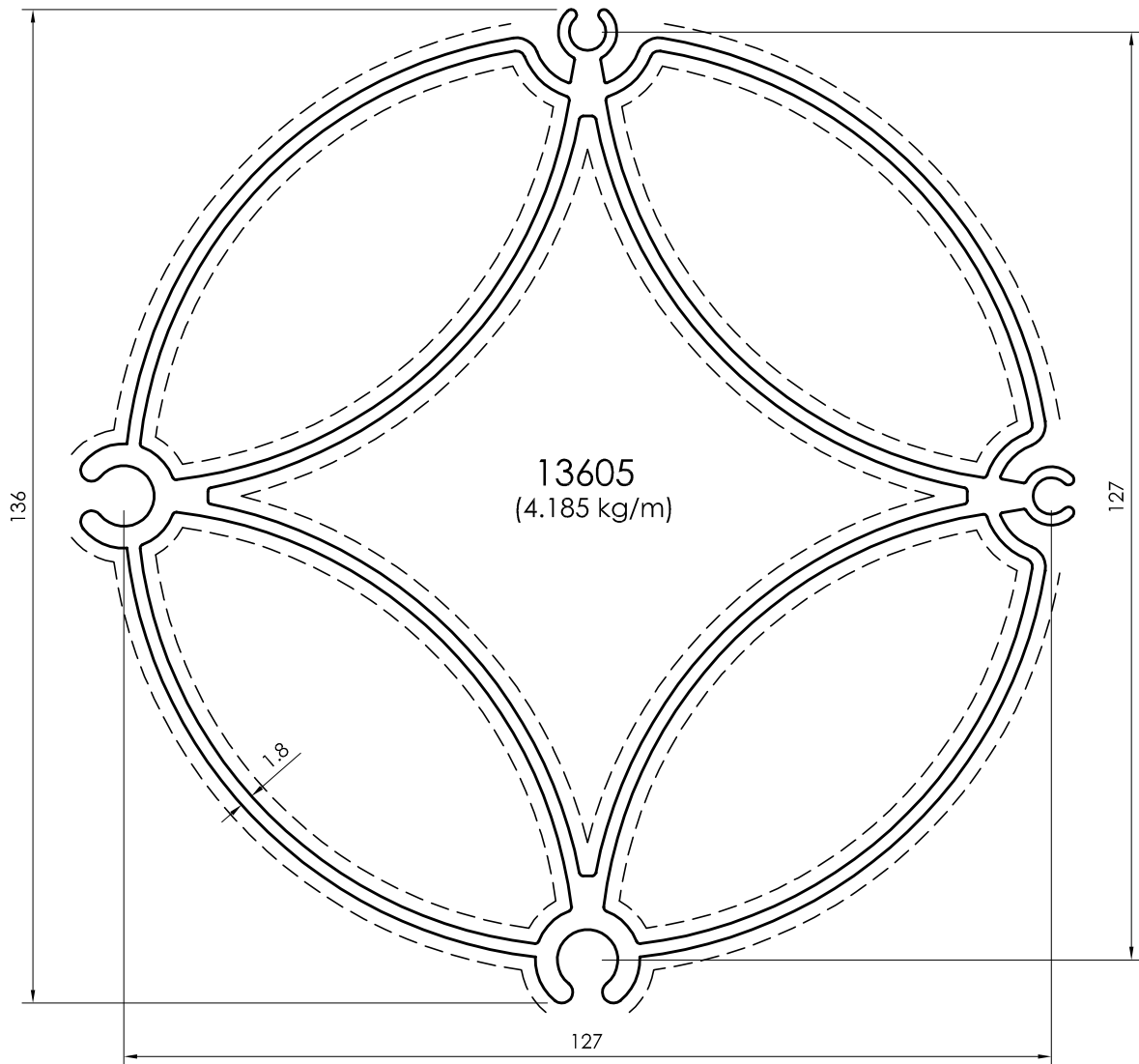
09359
(0.210 kg/m)



ASSEMBLY OF
PROFILES 13995 & 09359

All dimensions in mm
Visible area_-----

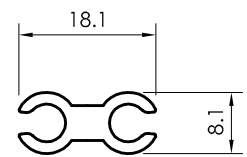
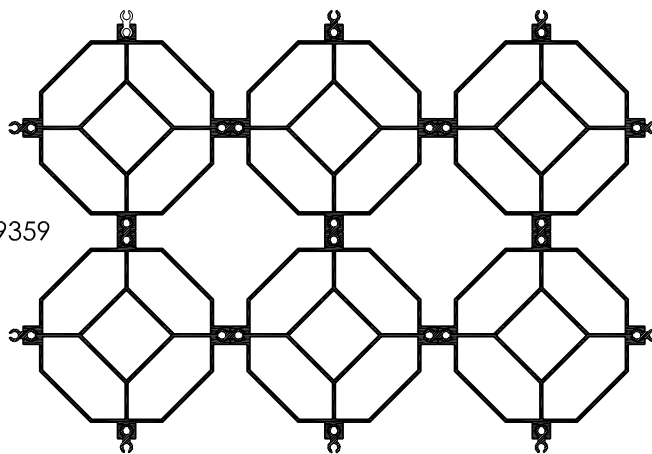
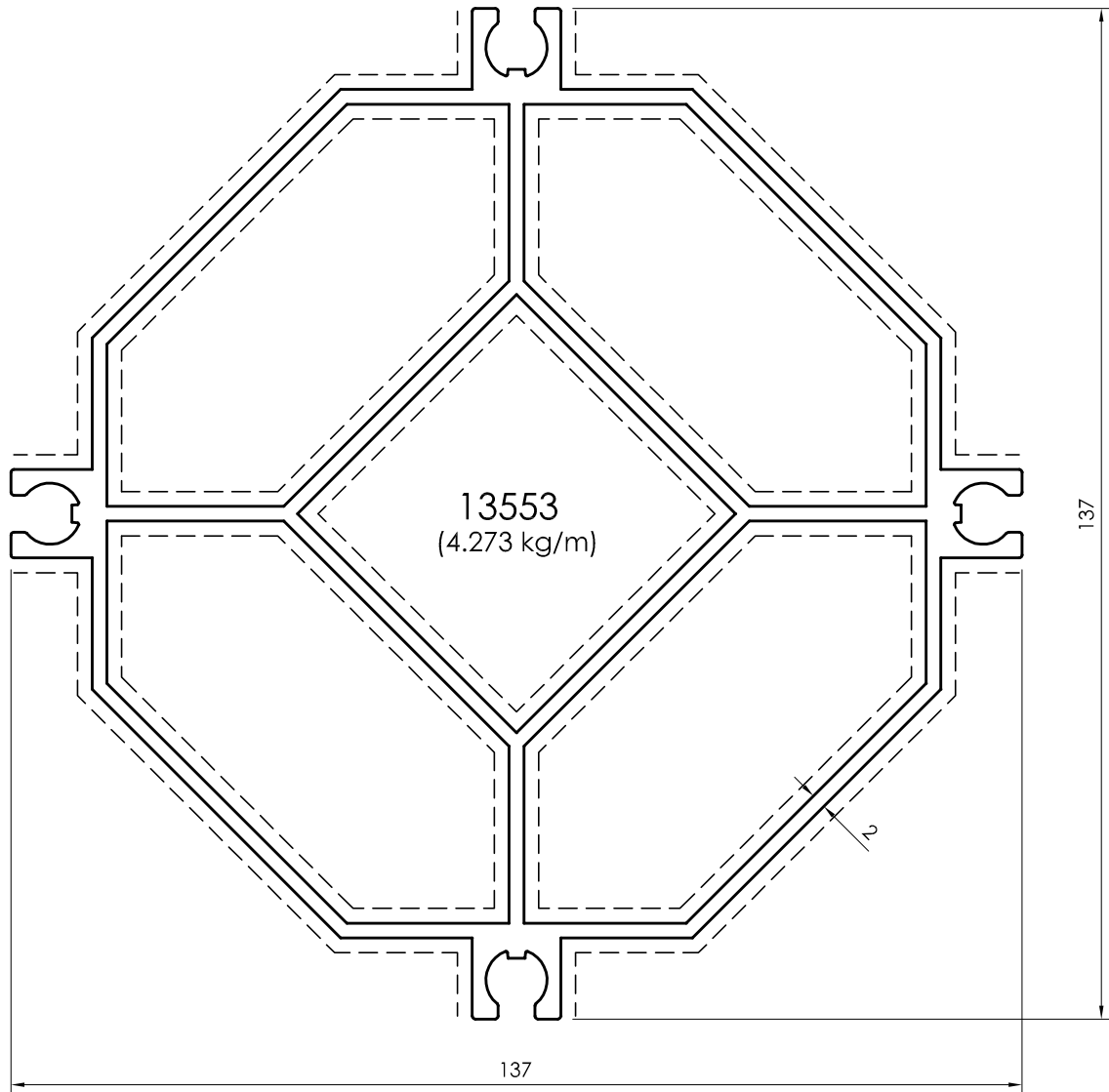
Claustra



SELF ASSEMBLY
OF PROFILE 13605

All dimensions in mm
----- Visible area

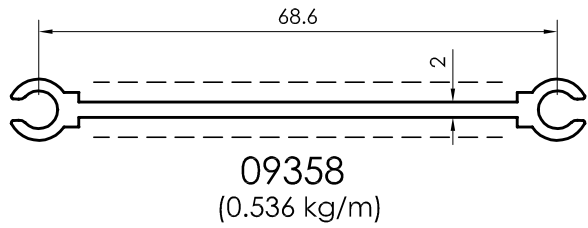
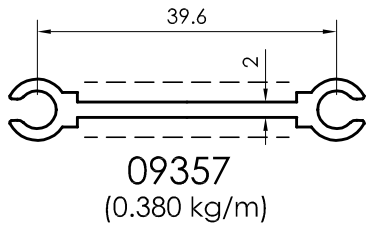
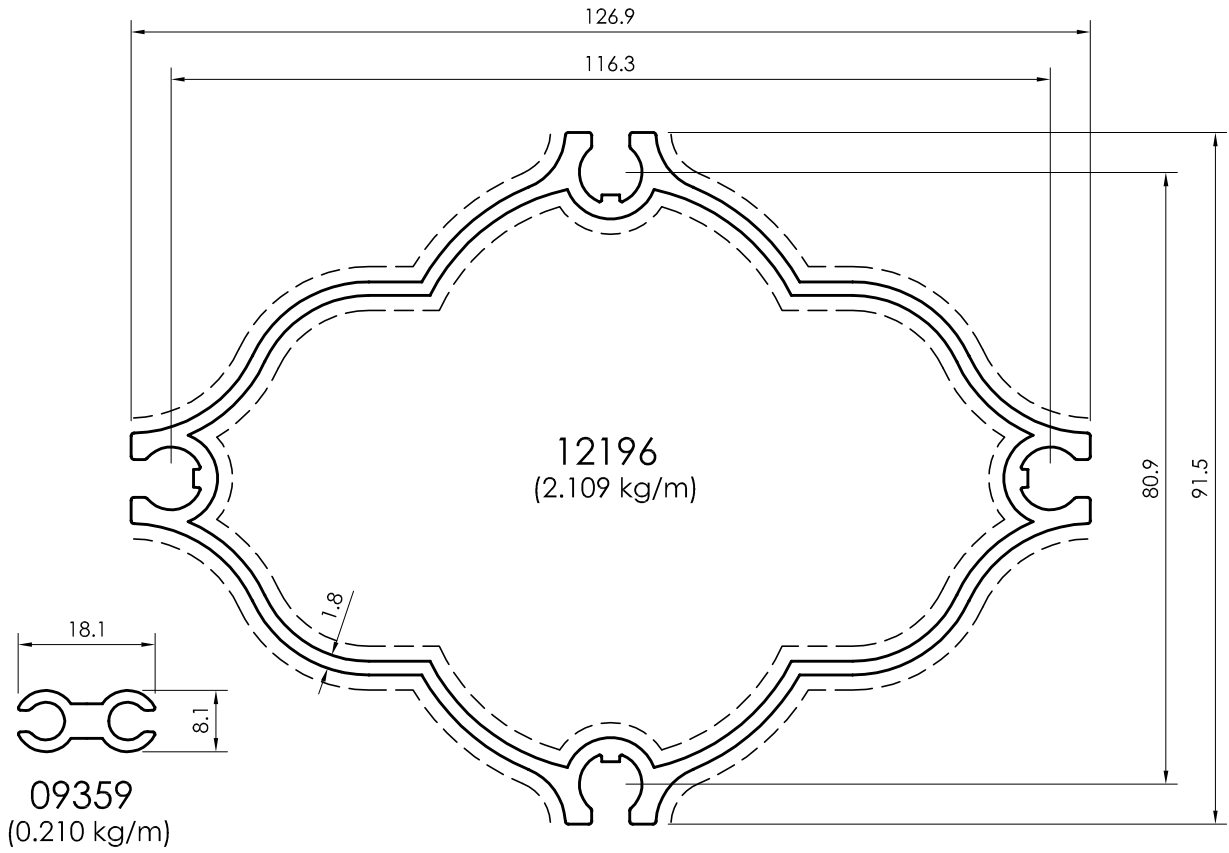
Claustra



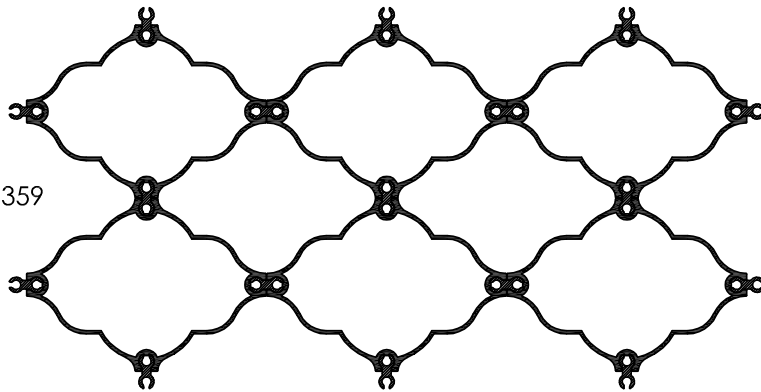
09359
(0.210 kg/m)

All dimensions in mm
Visible area_-----

Claustra

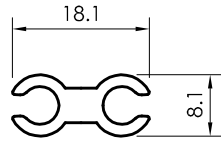


ASSEMBLY OF
PROFILES 12196 & 09359

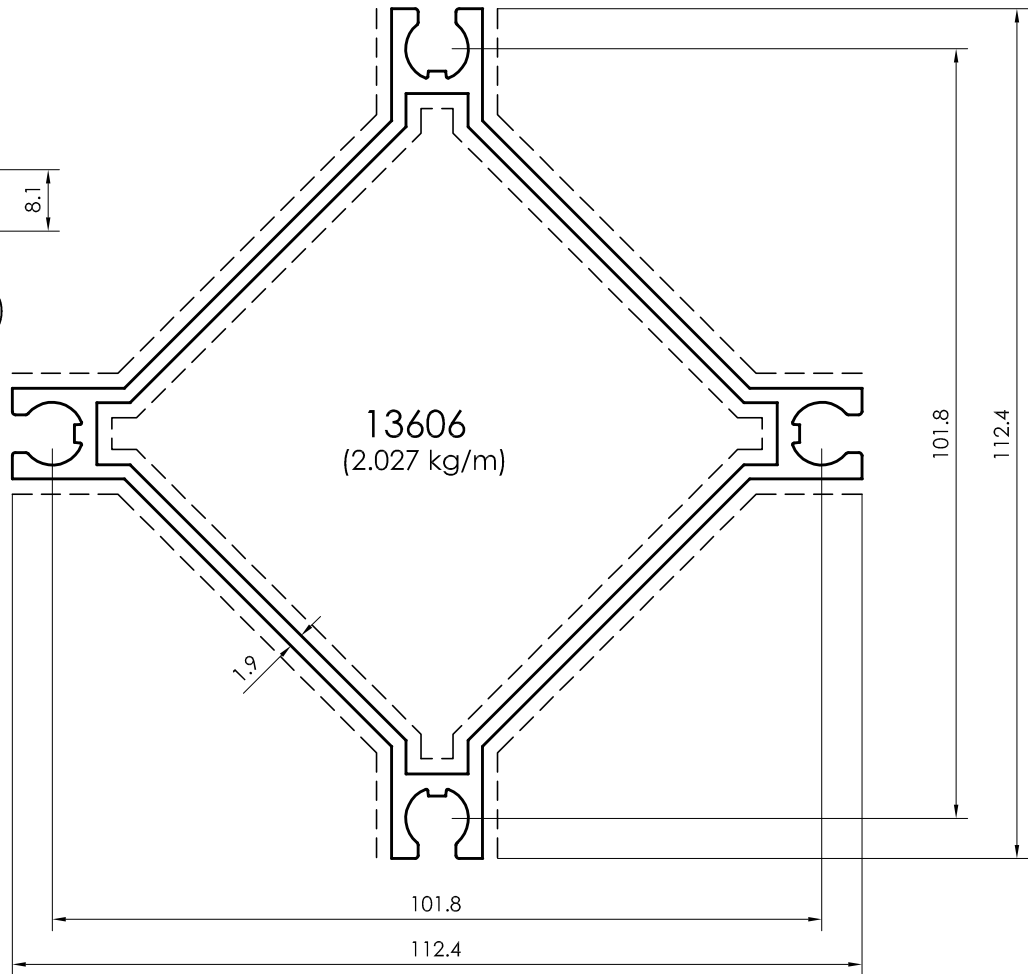


All dimensions in mm
----- Visible area

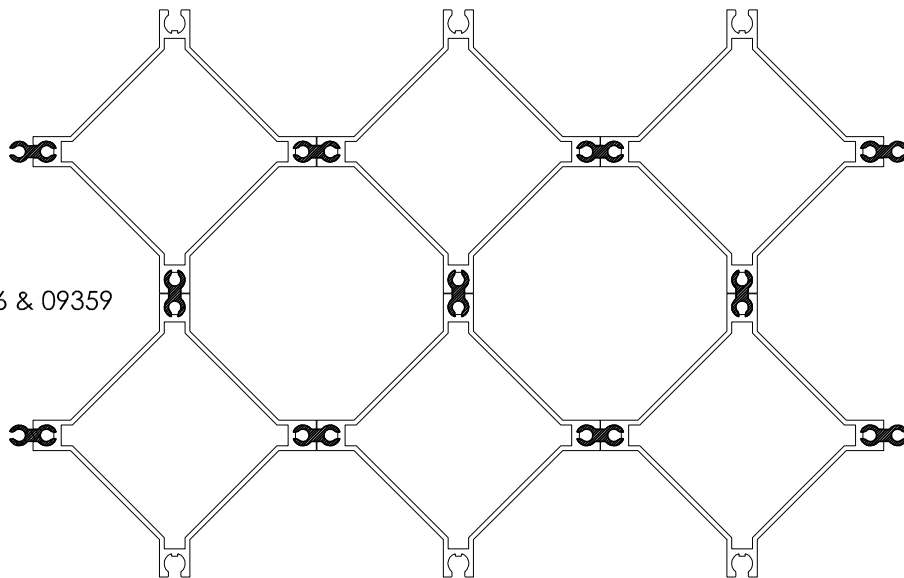
Claustra



09359
(0.210 kg/m)

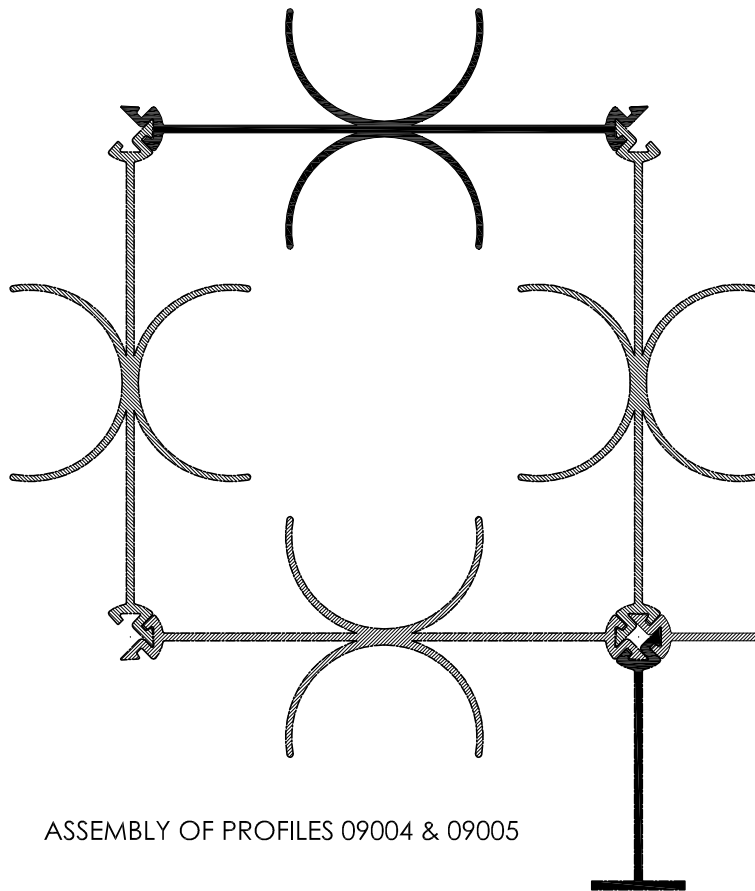
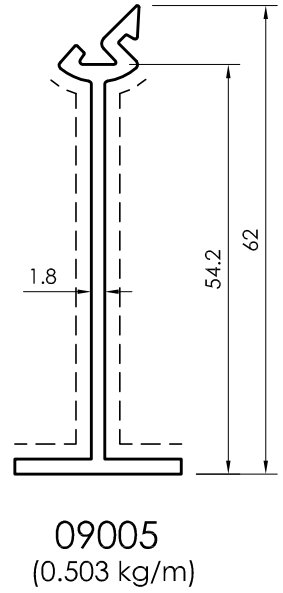
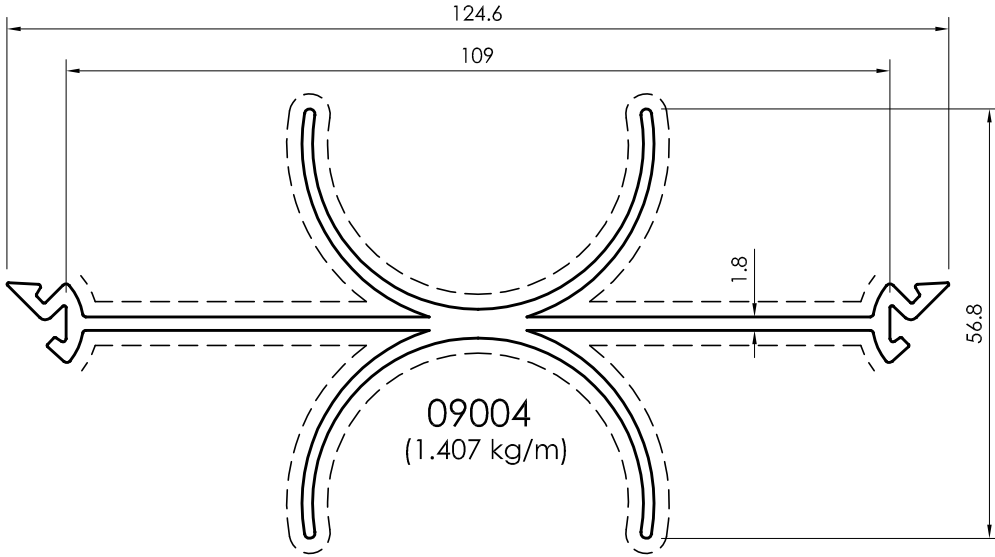


ASSEMBLY OF
PROFILES 13606 & 09359



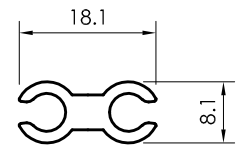
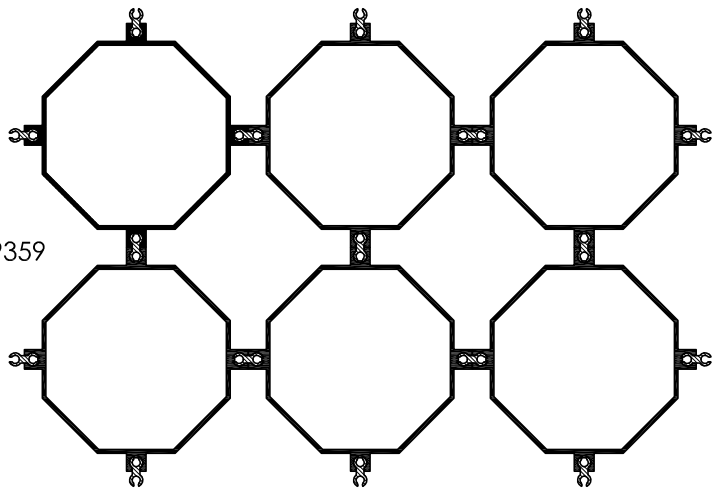
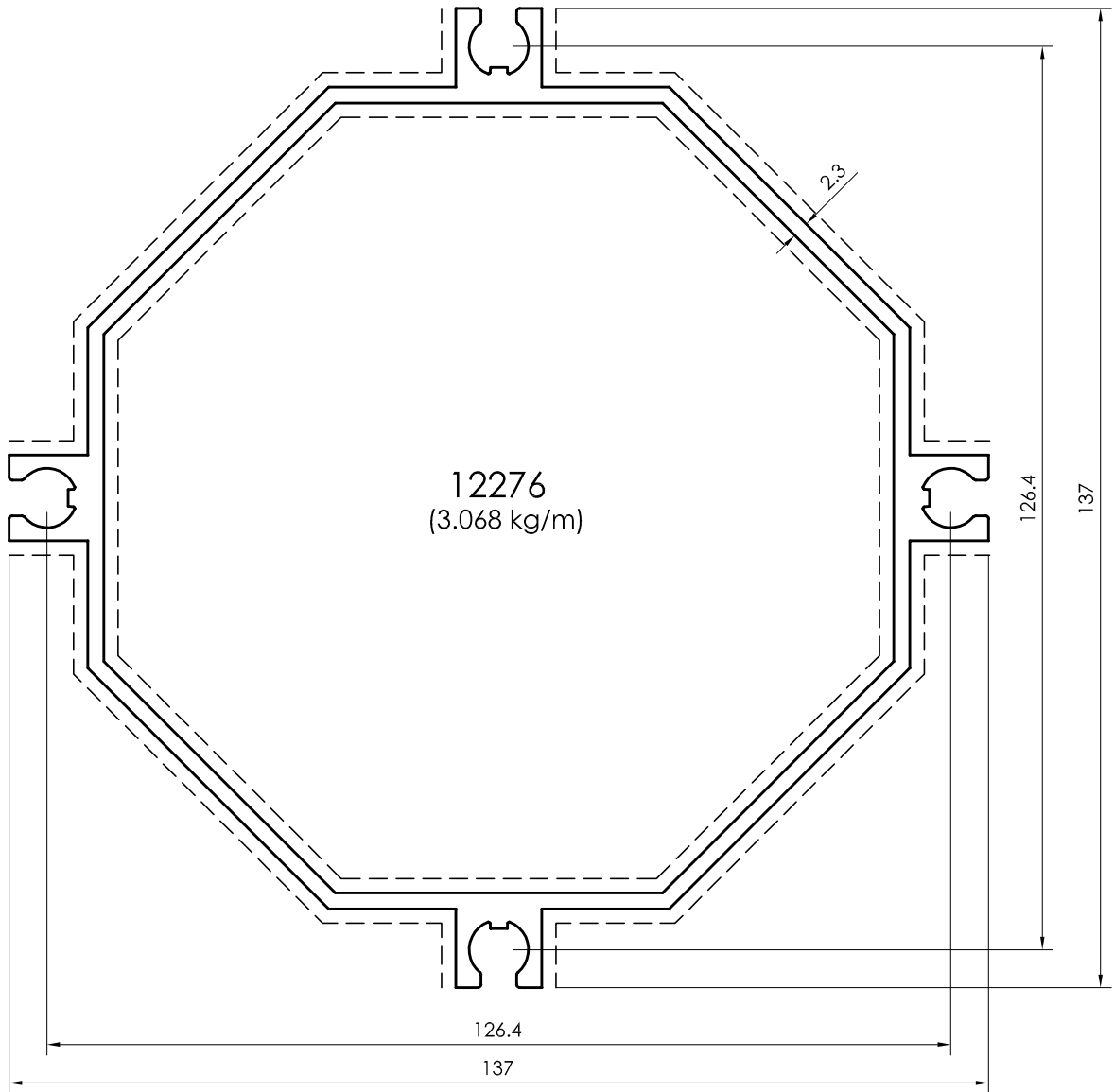
All dimensions in mm
Visible area_-----

Claustra



All dimensions in mm
----- Visible area

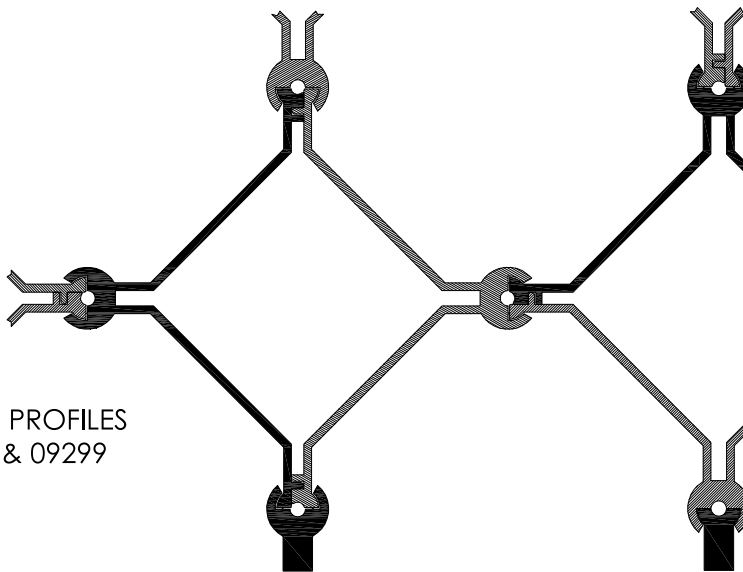
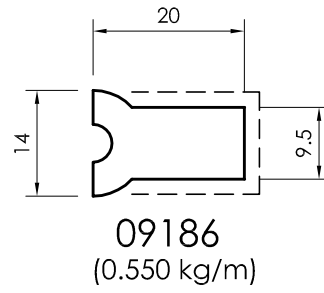
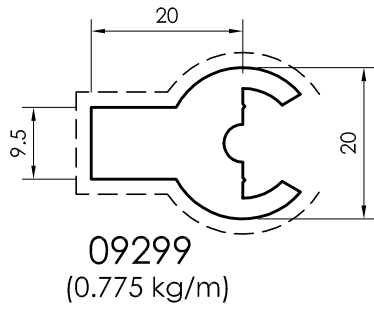
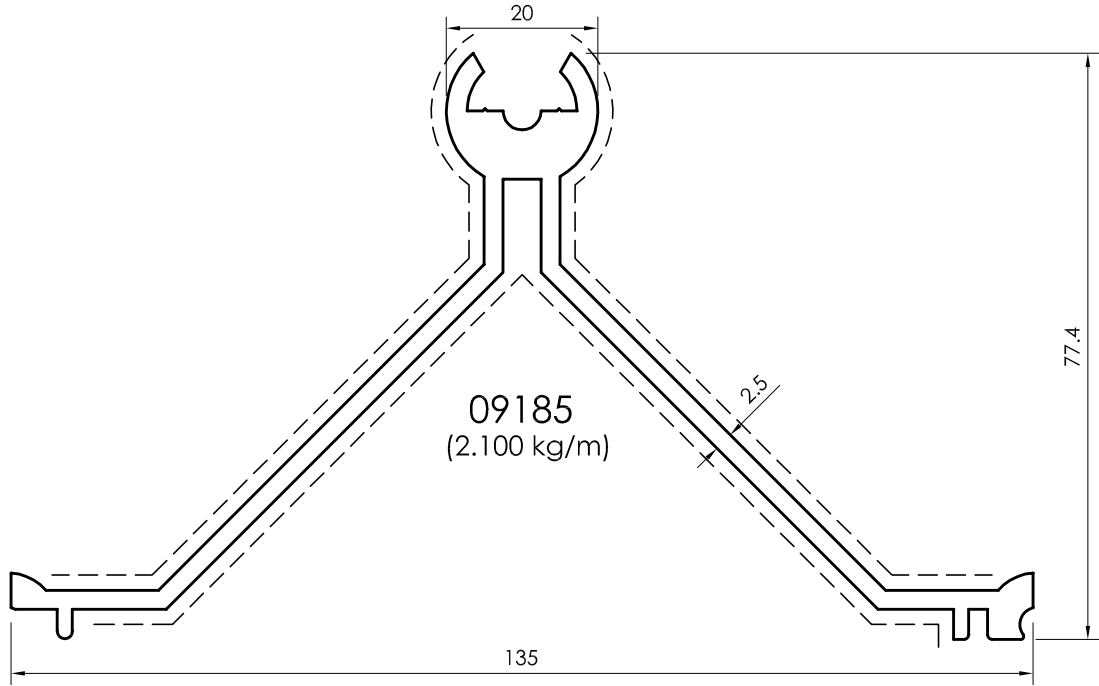
Claustra



09359
(0.210 kg/m)

All dimensions in mm
Visible area_-----

Claustra

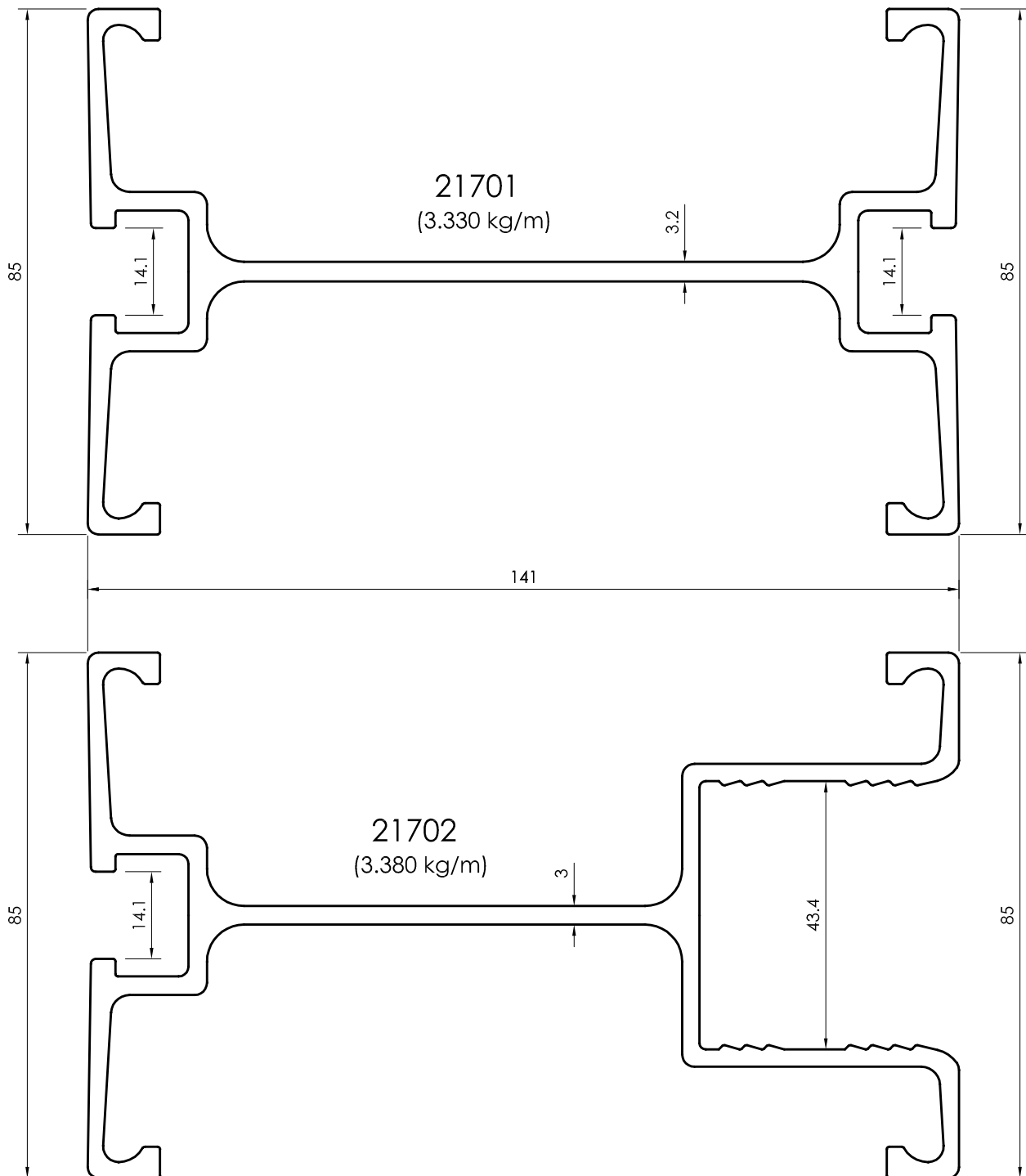


ASSEMBLY OF PROFILES
09185, 09186 & 09299

All dimensions in mm
----- Visible area

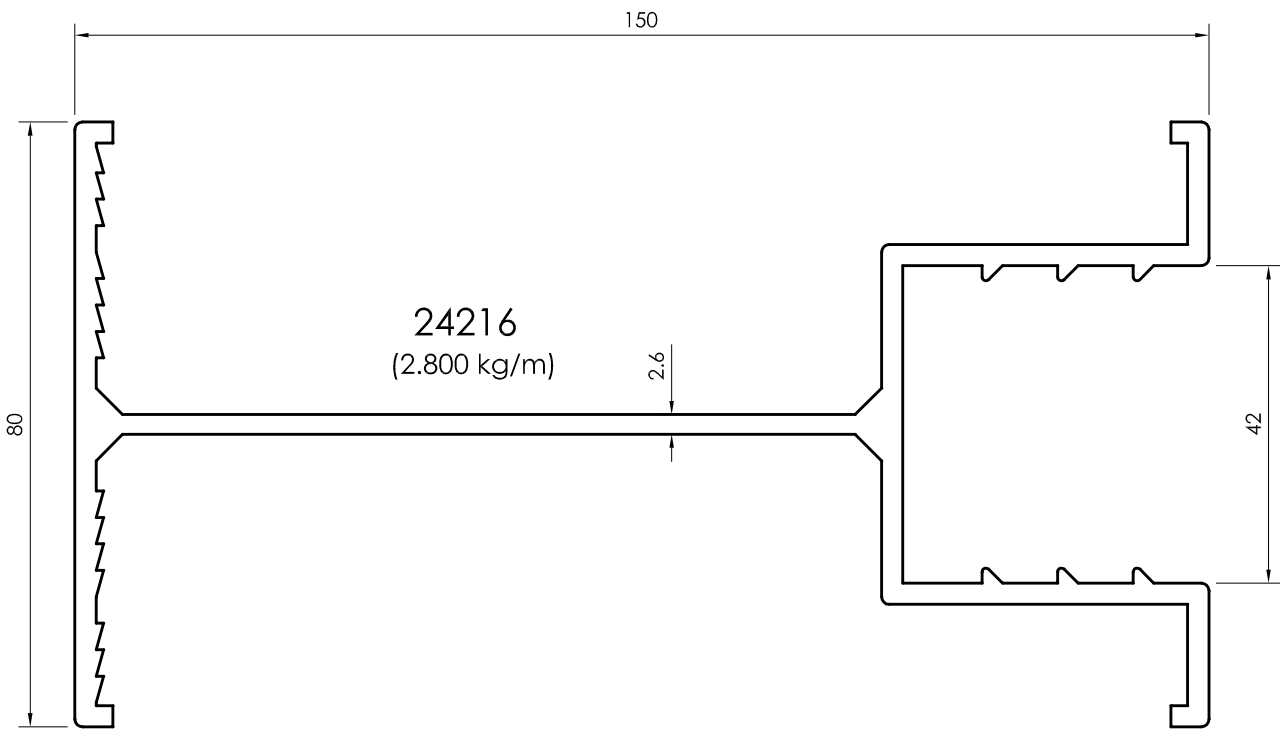
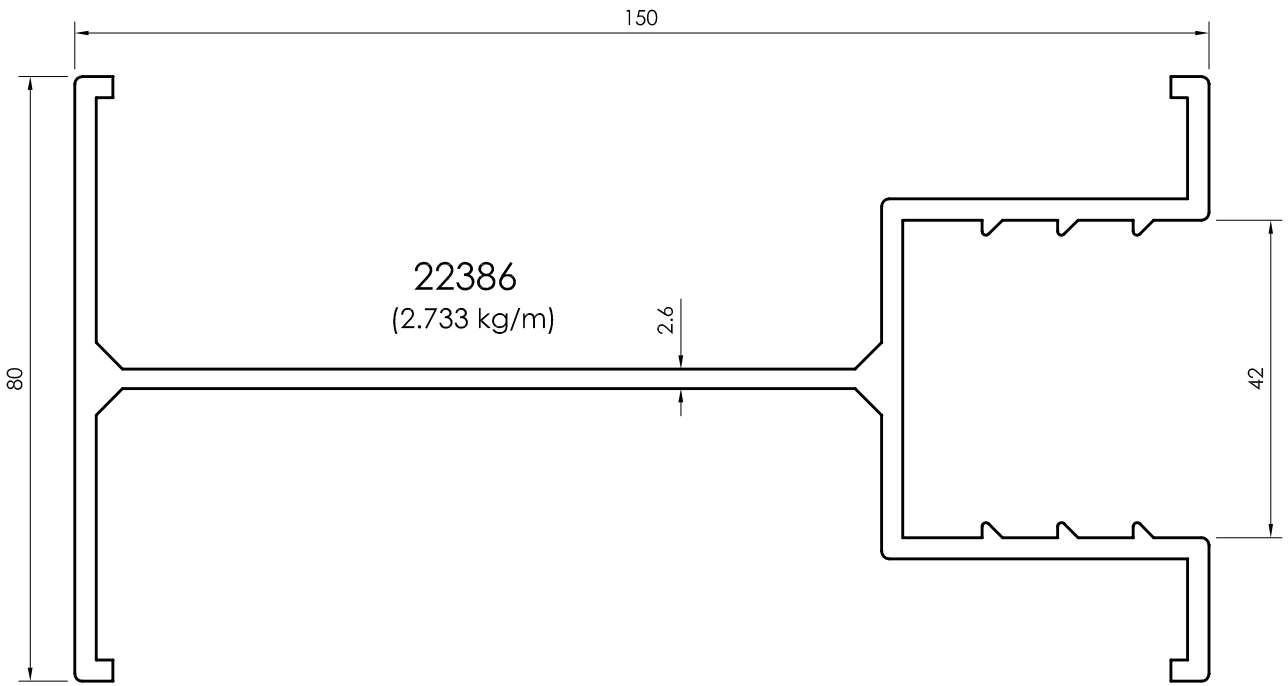
SCAFFOLDING

Scaffolding



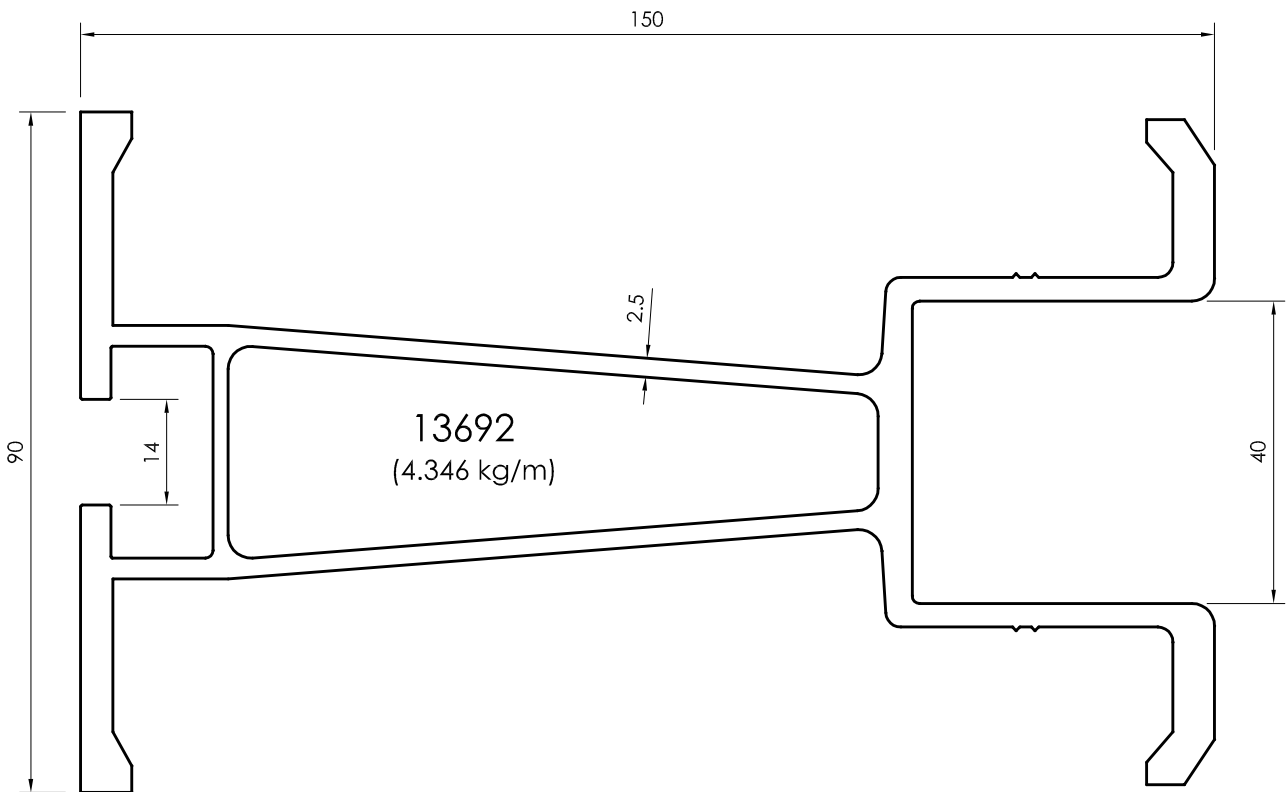
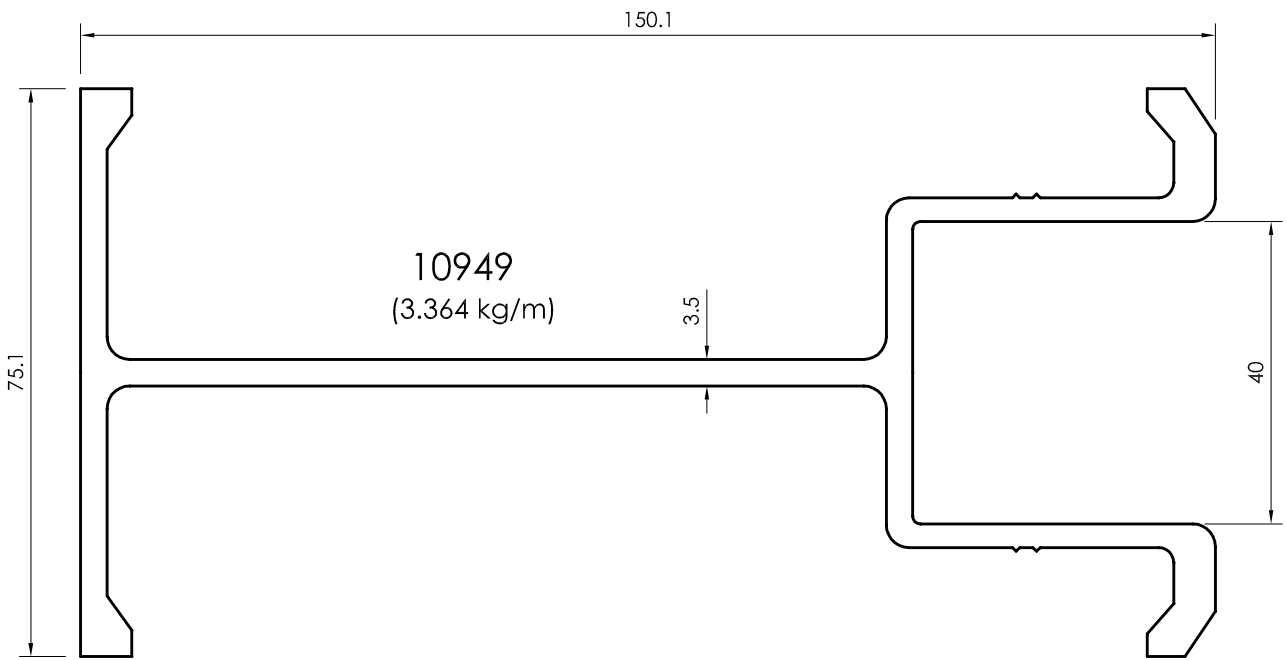
All dimensions in mm
Visible area_-----

Scaffolding



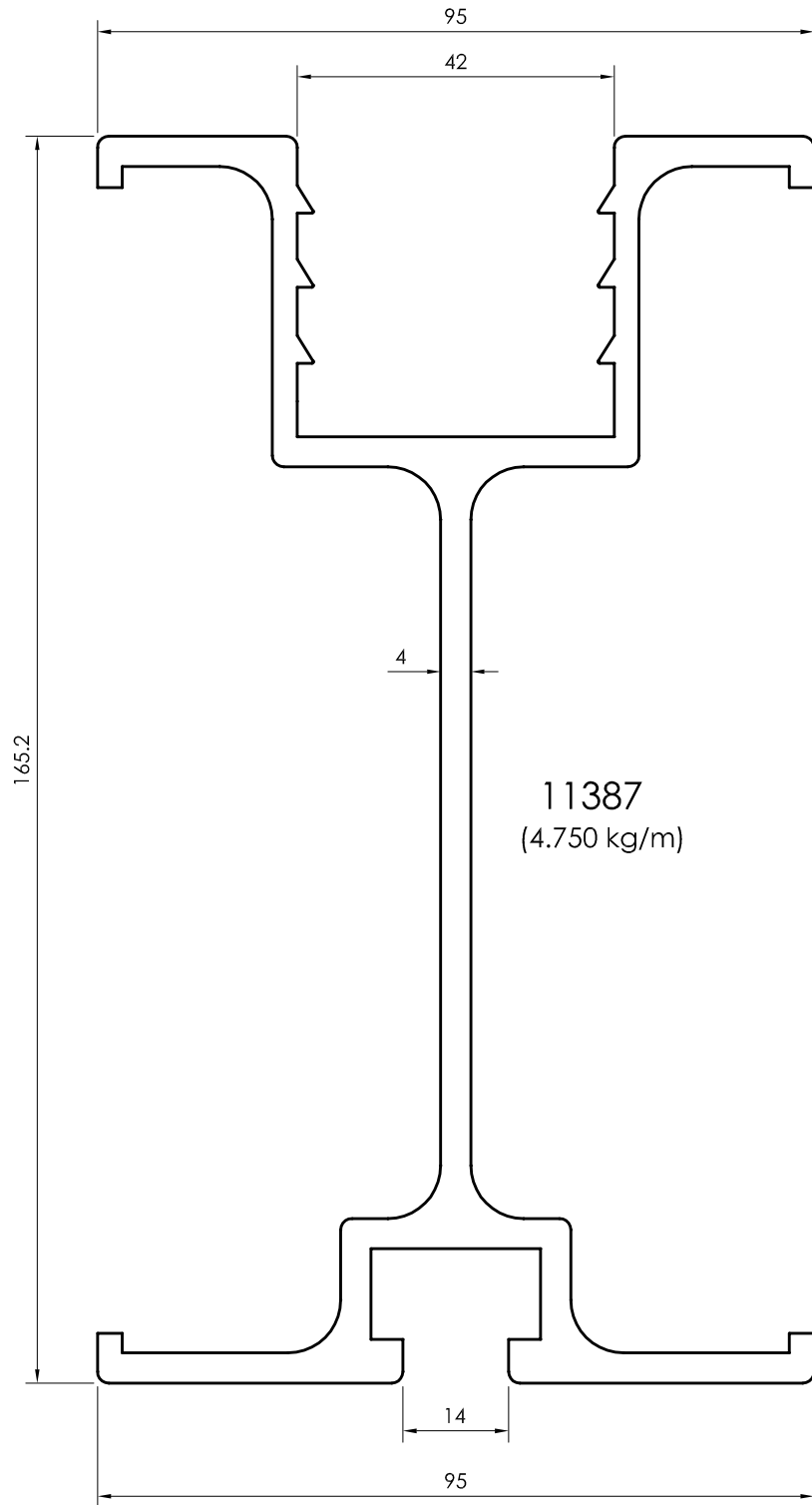
All dimensions in mm
 - - - - - Visible area

Scaffolding



All dimensions in mm
Visible area_-----

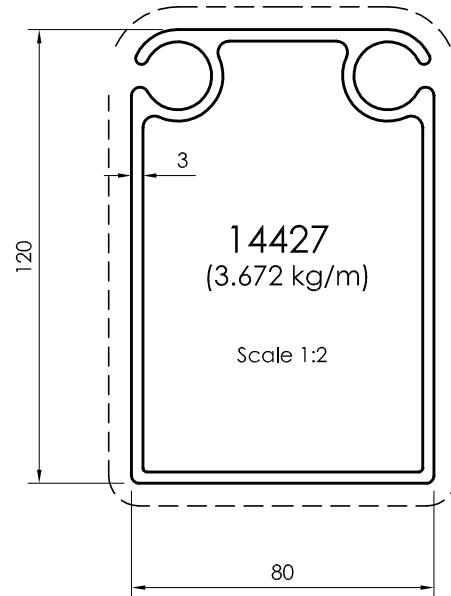
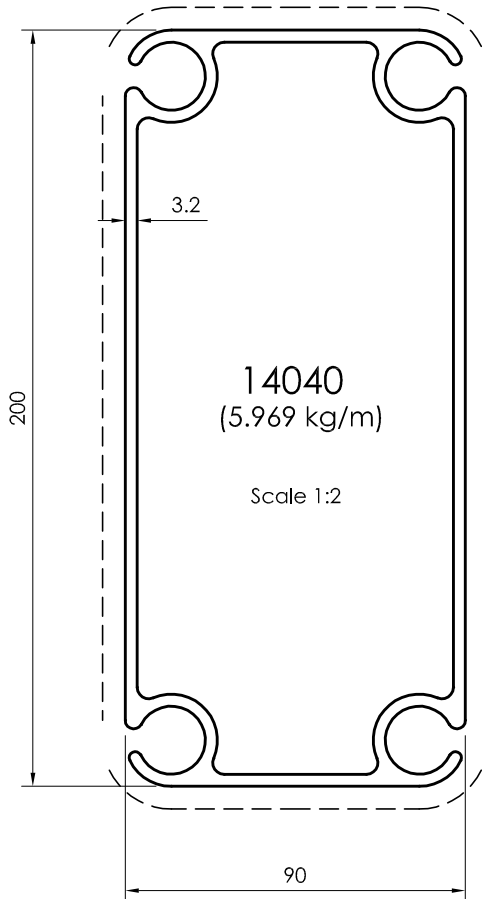
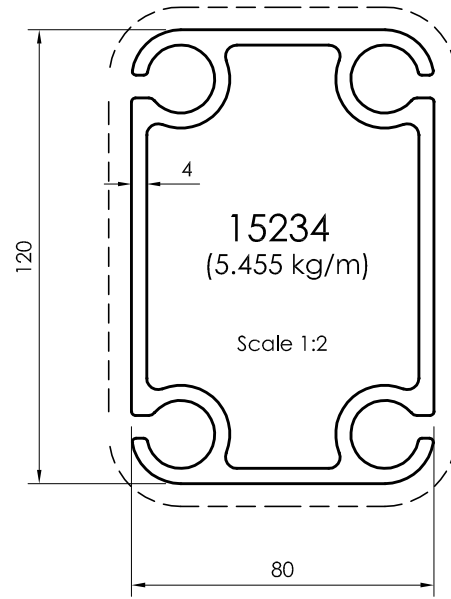
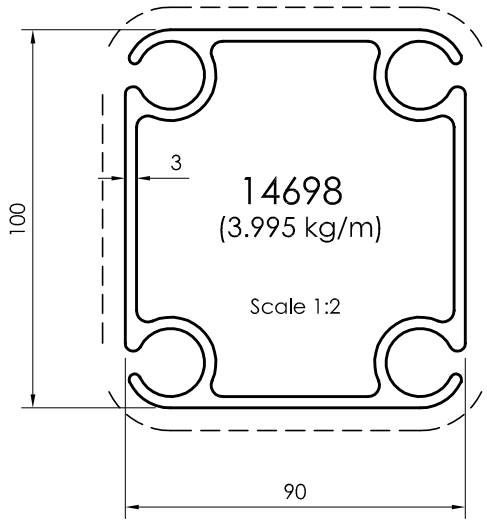
Scaffolding



All dimensions in mm
 ----- Visible area

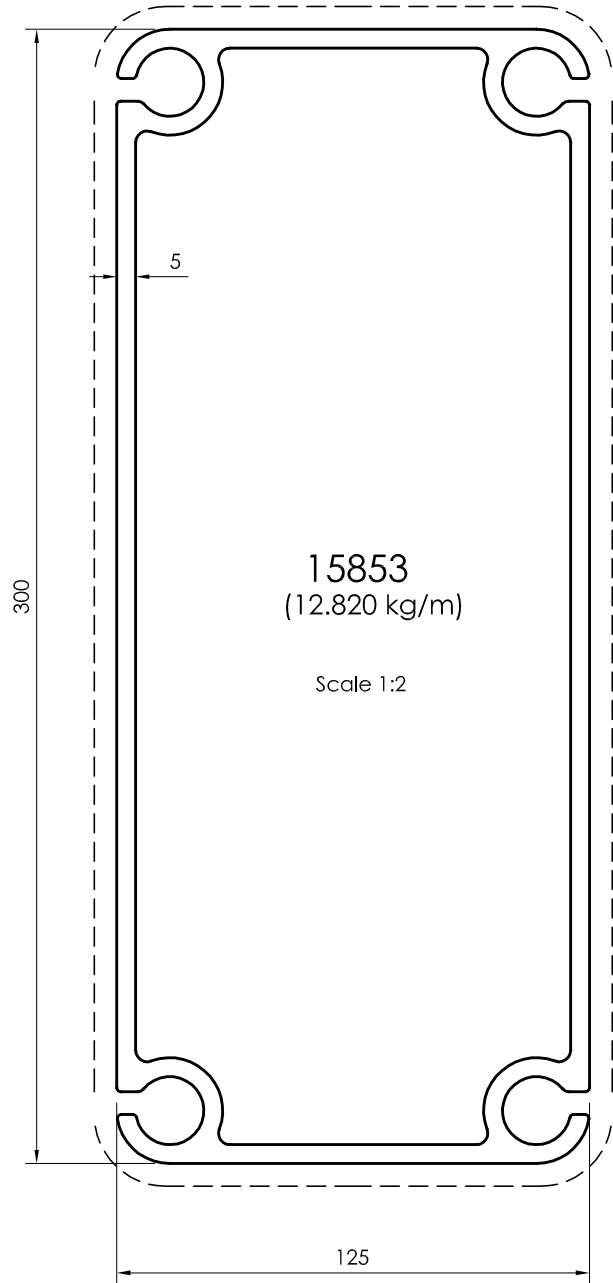
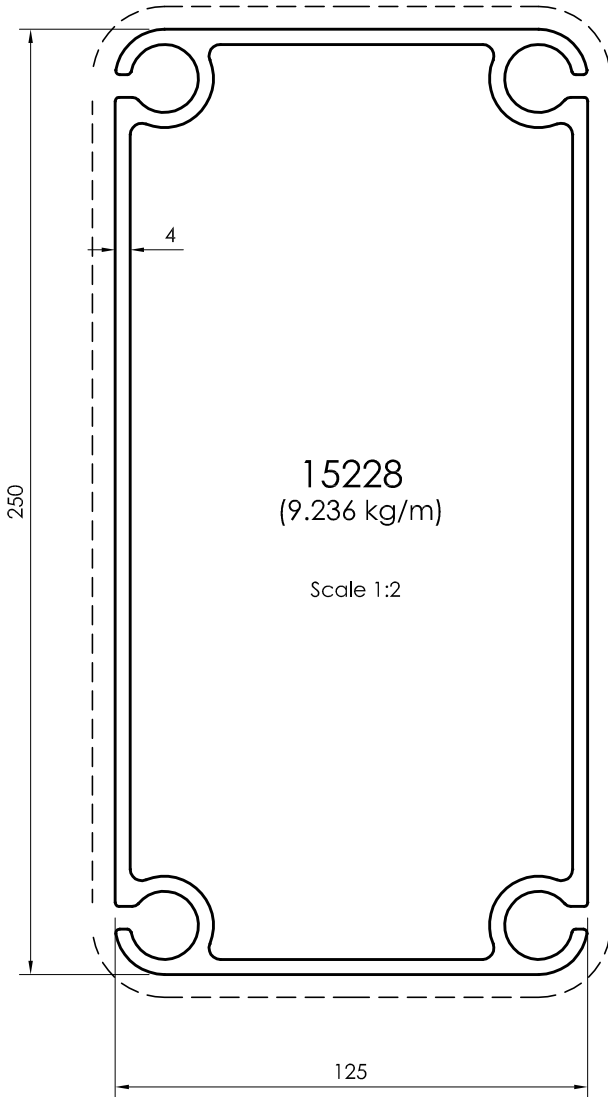
TENT

Tent



All dimensions in mm
Visible area_-----

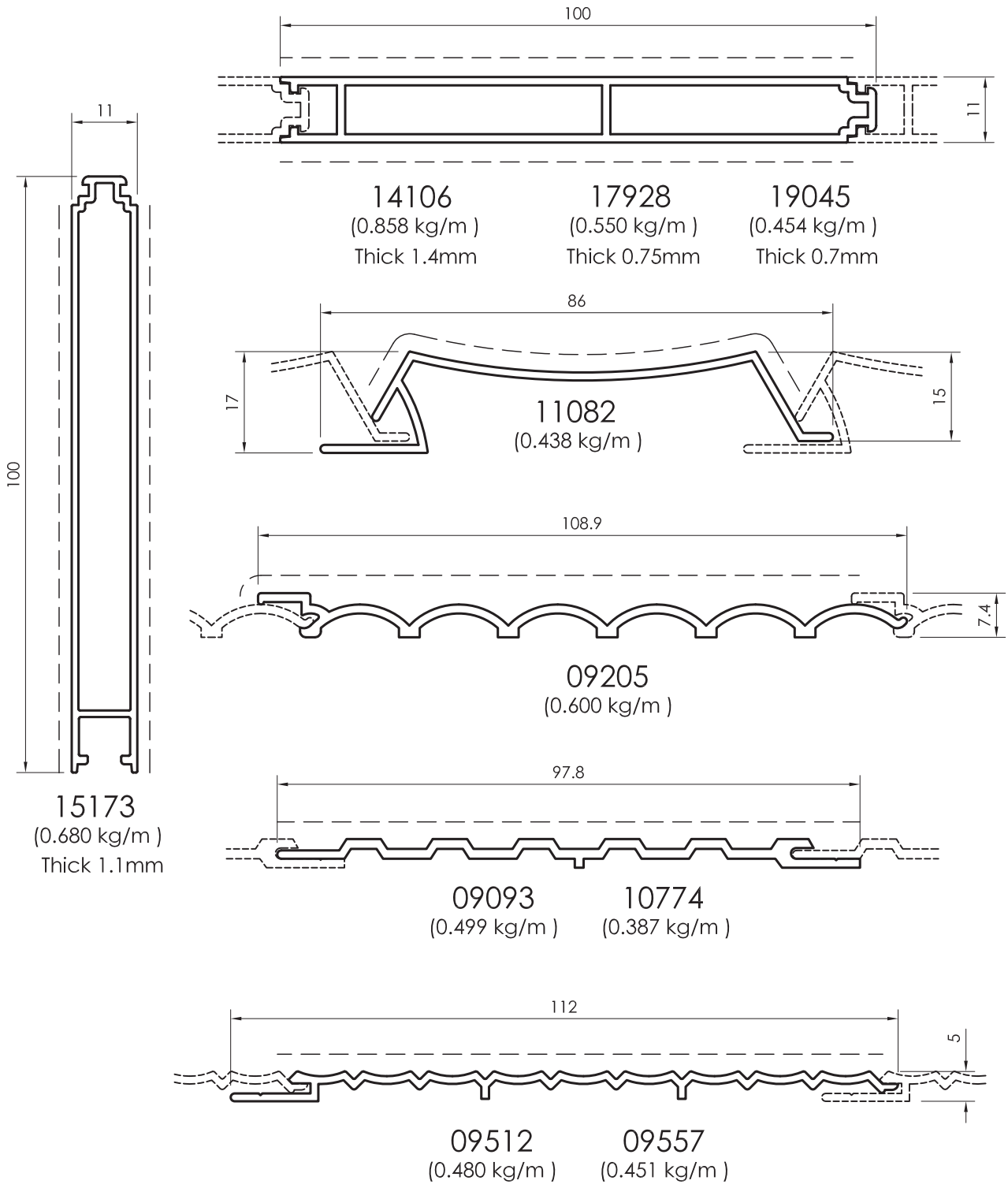
Tent



All dimensions in mm
----- Visible area

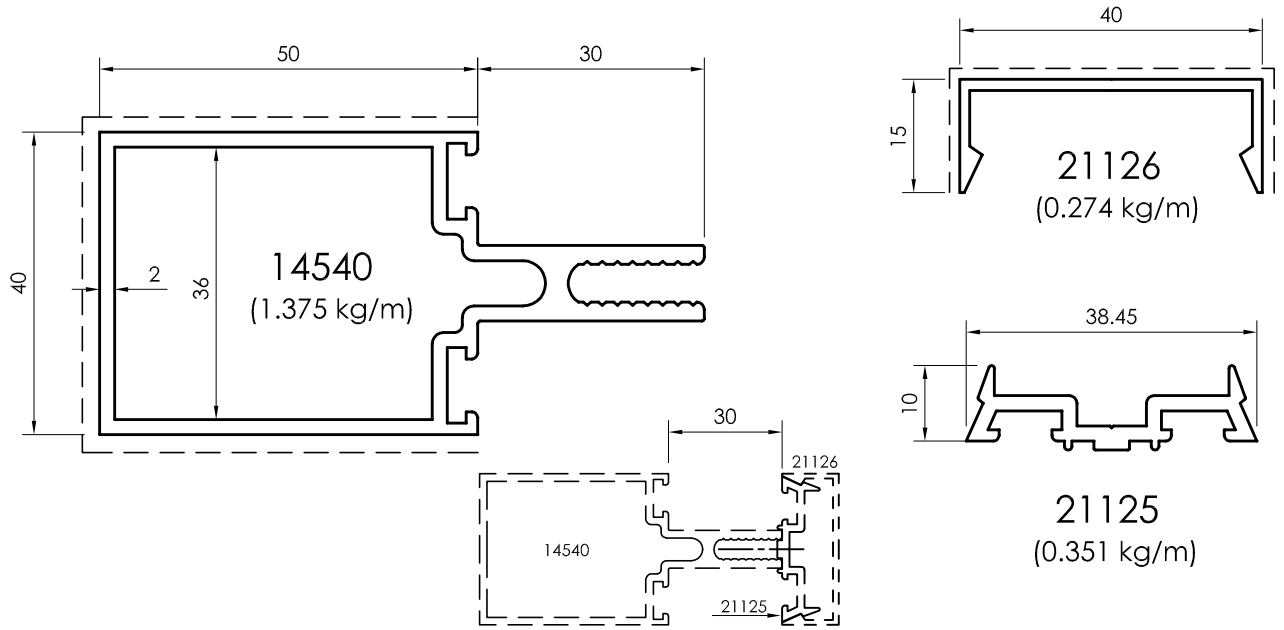
MISCELLANEOUS

Paneling

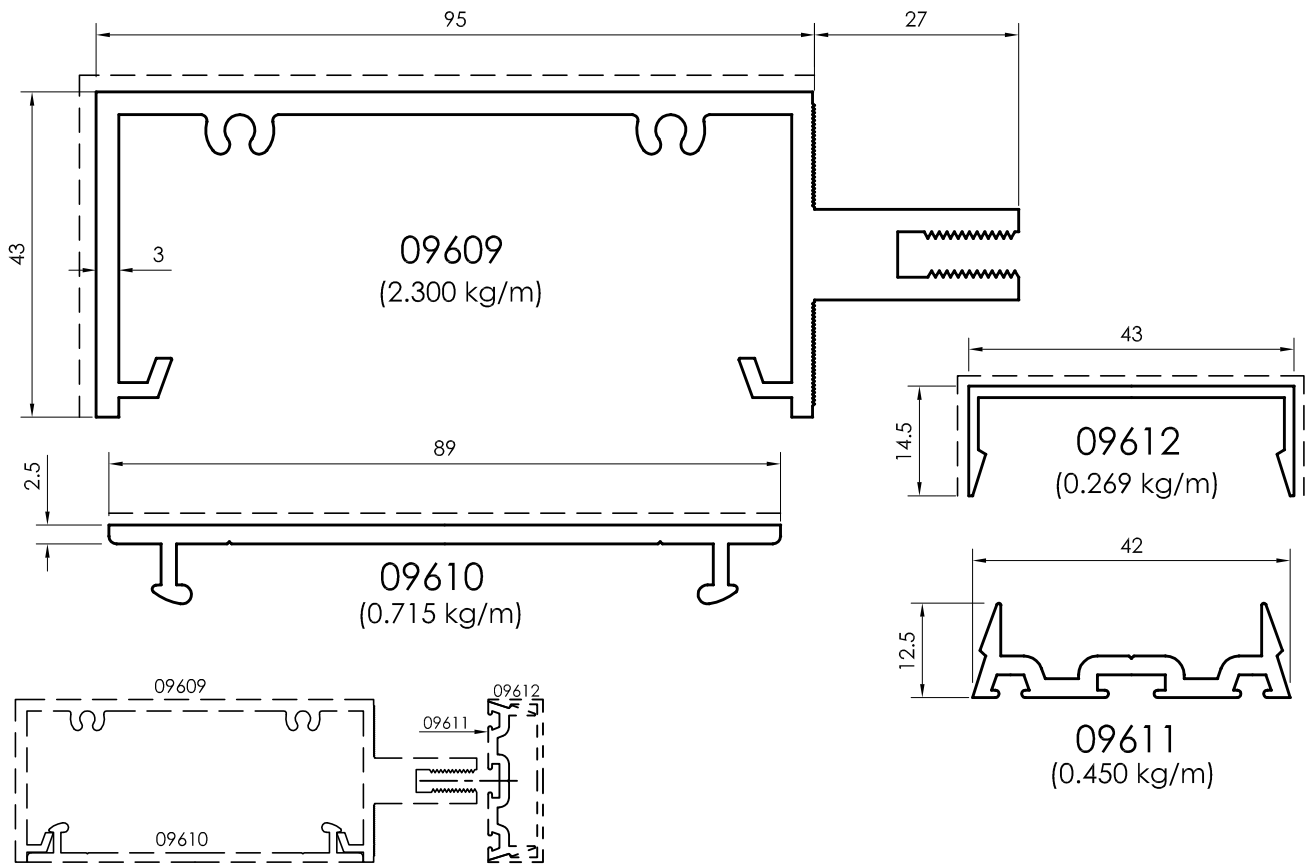


All dimensions in mm
Visible area_____

Curtainwall - 40mm

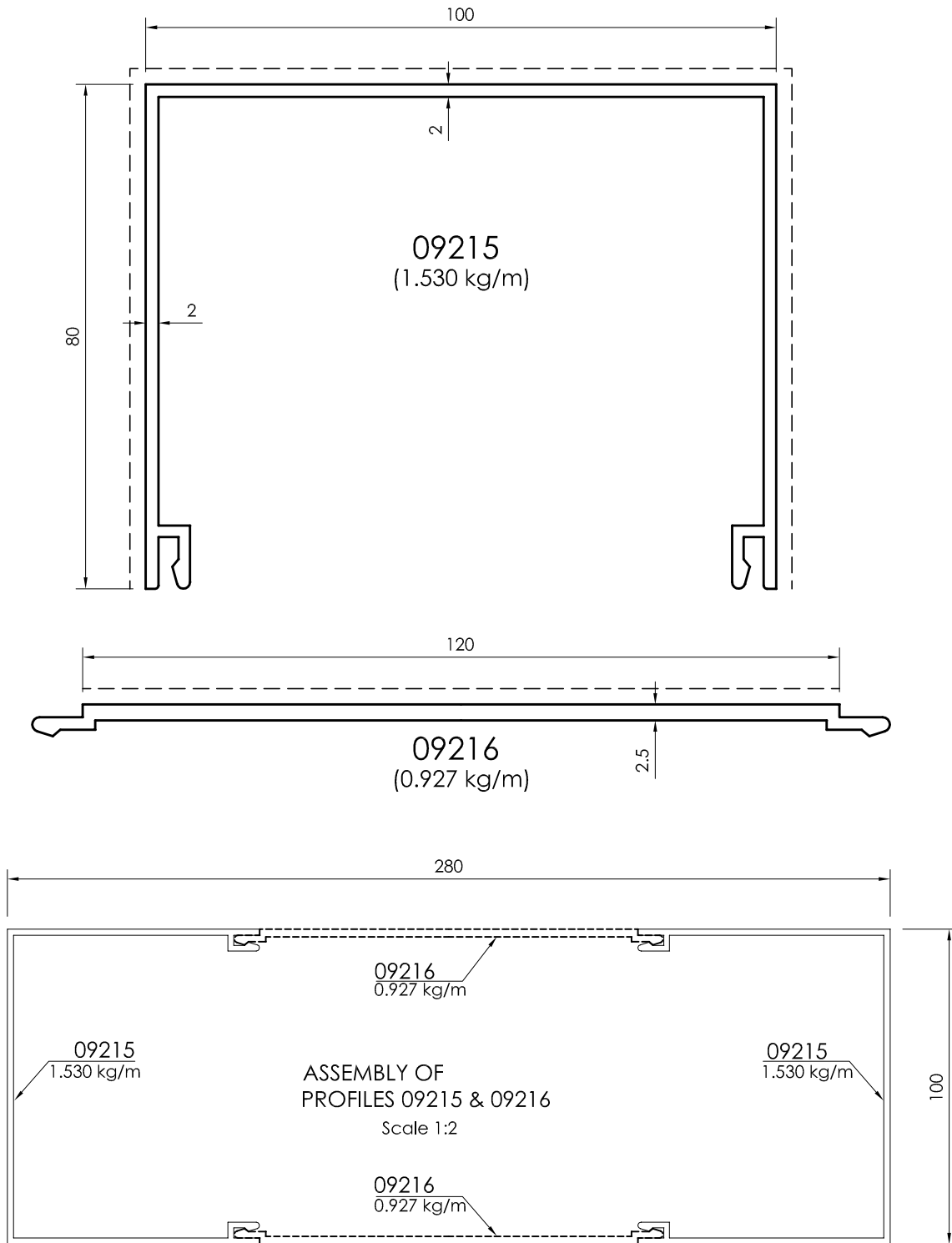


Curtain Wall - 43mm



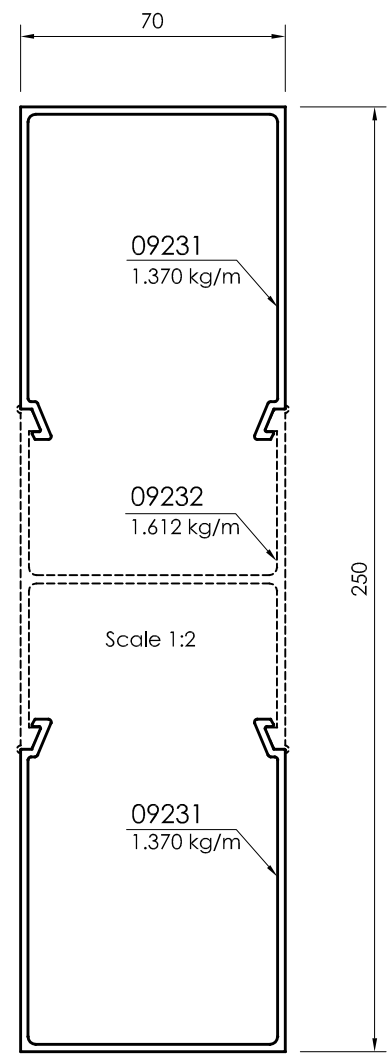
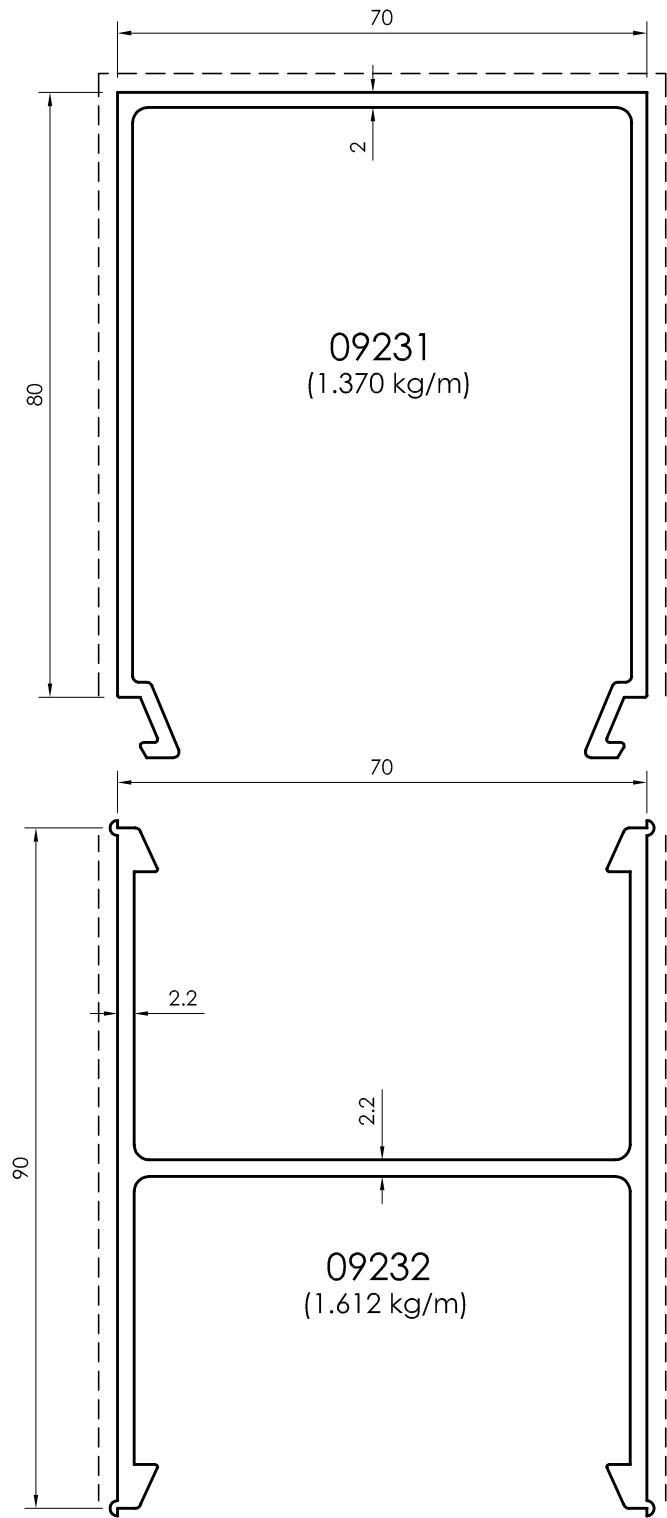
All dimensions in mm
 ----- Visible area

Facades



All dimensions in mm
Visible area_-----

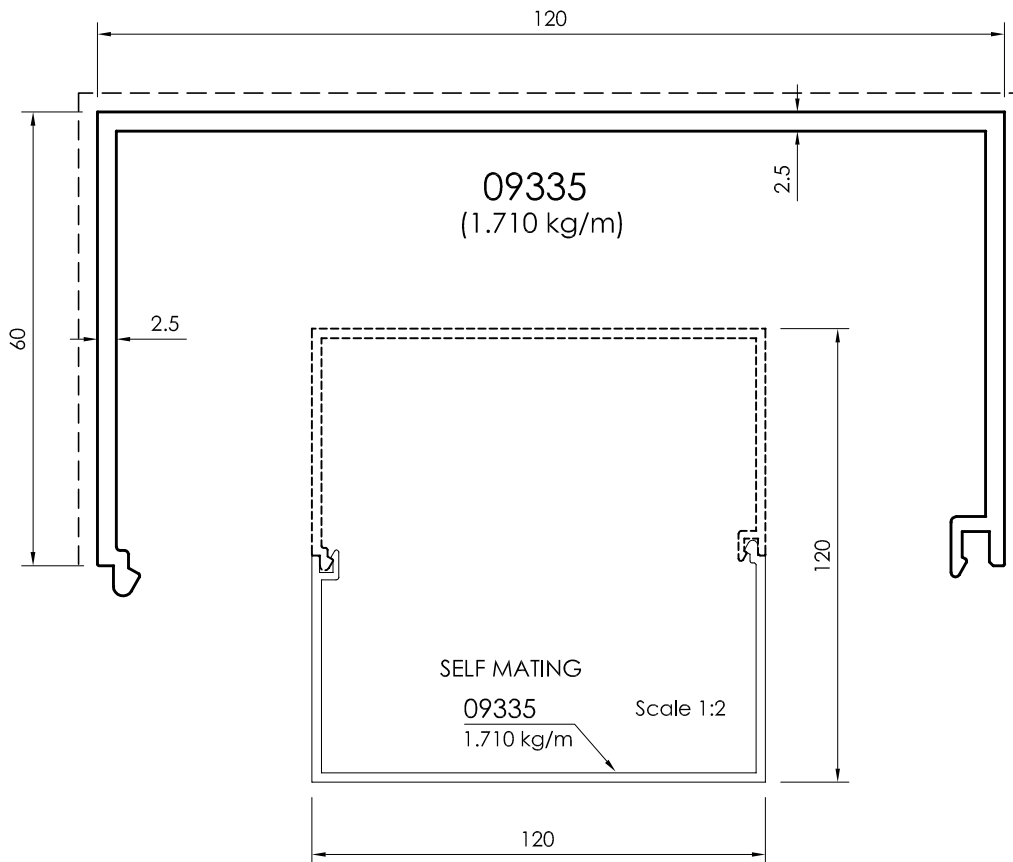
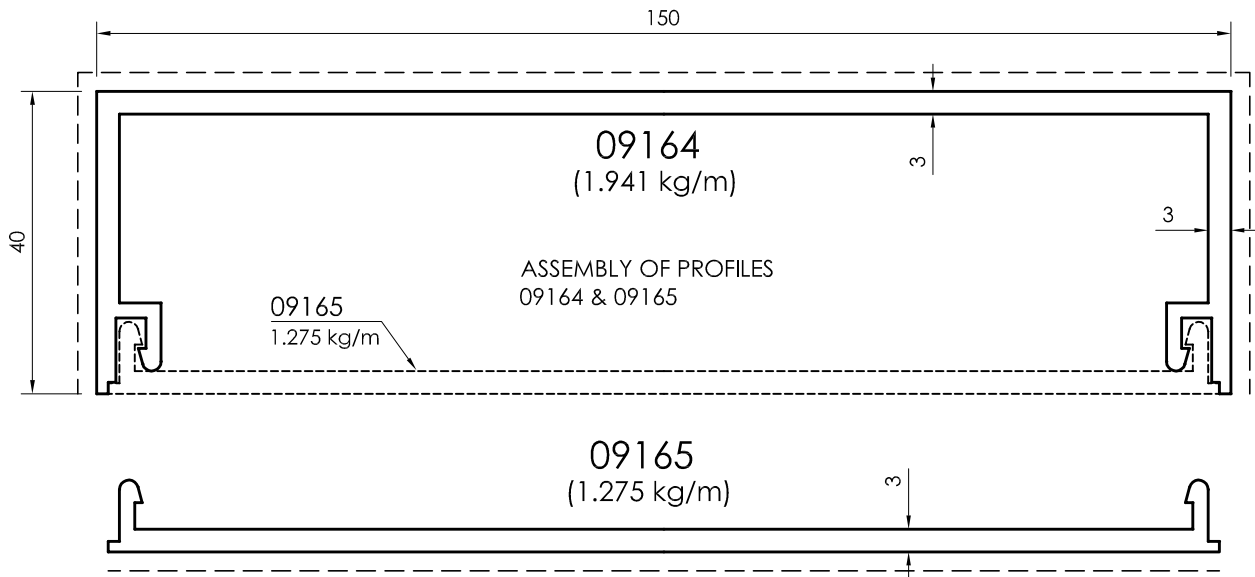
Facades



ASSEMBLY OF PROFILES
09231 & 09232

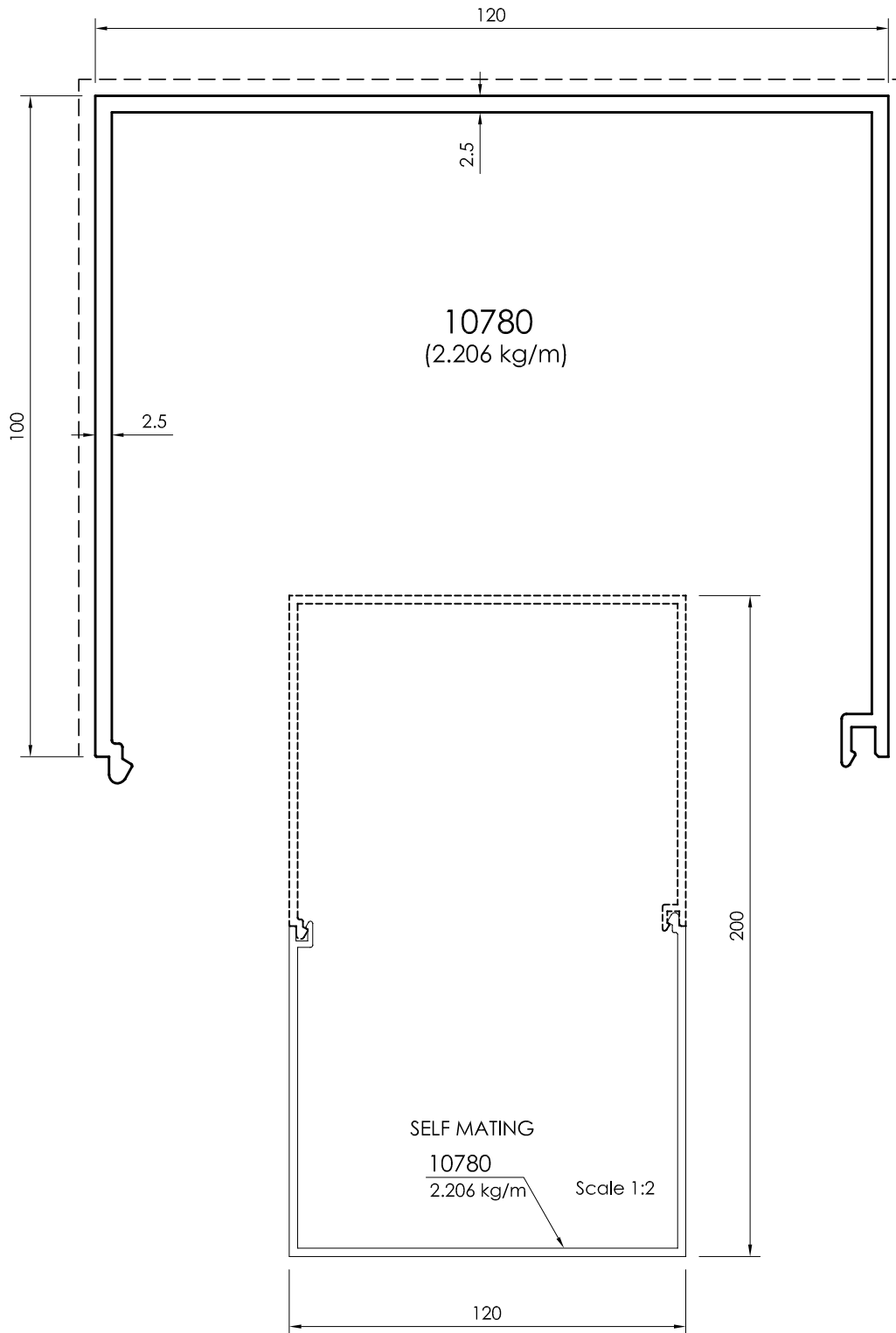
All dimensions in mm
----- Visible area

Facades



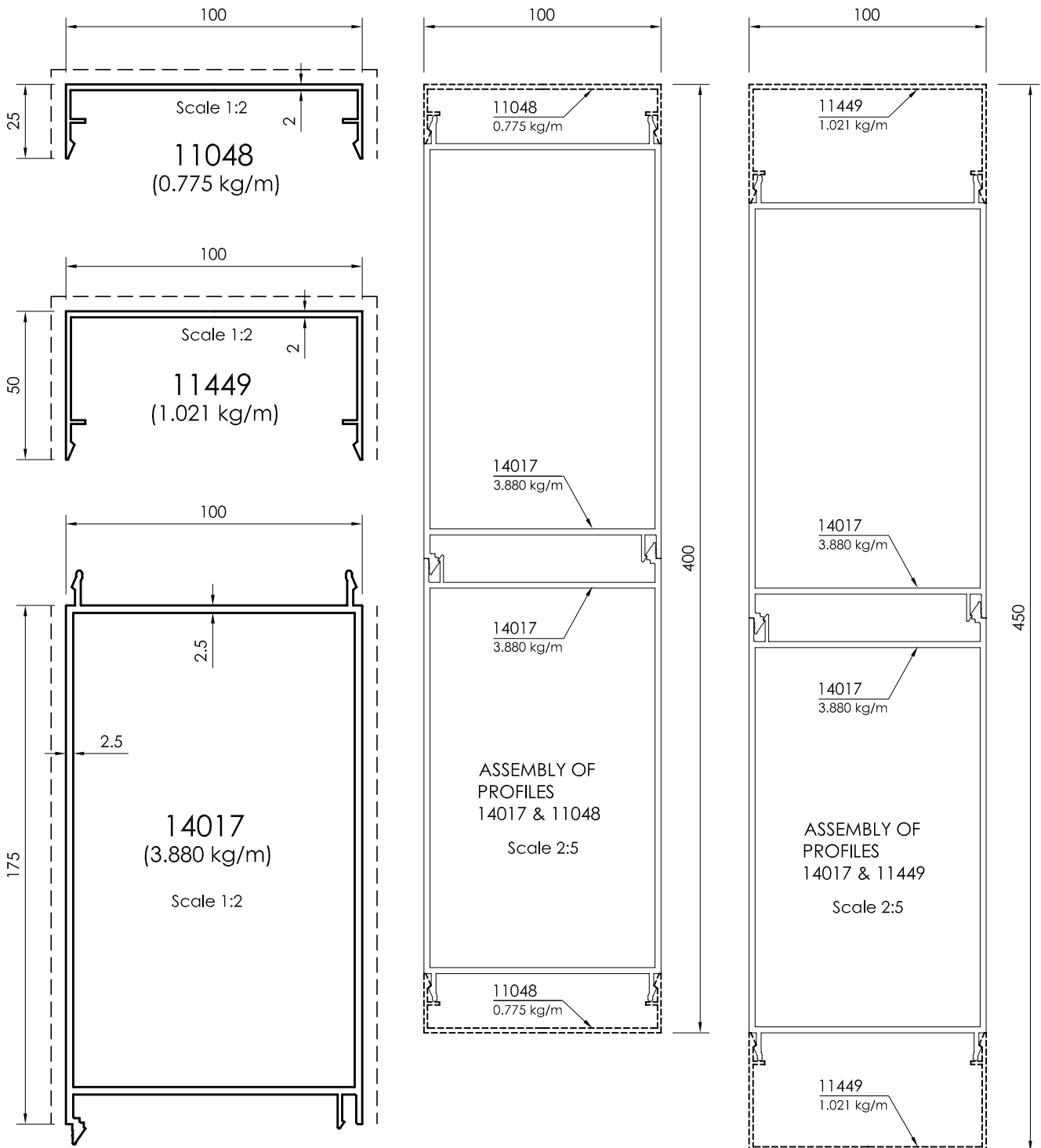
All dimensions in mm
Visible area_____

Facades



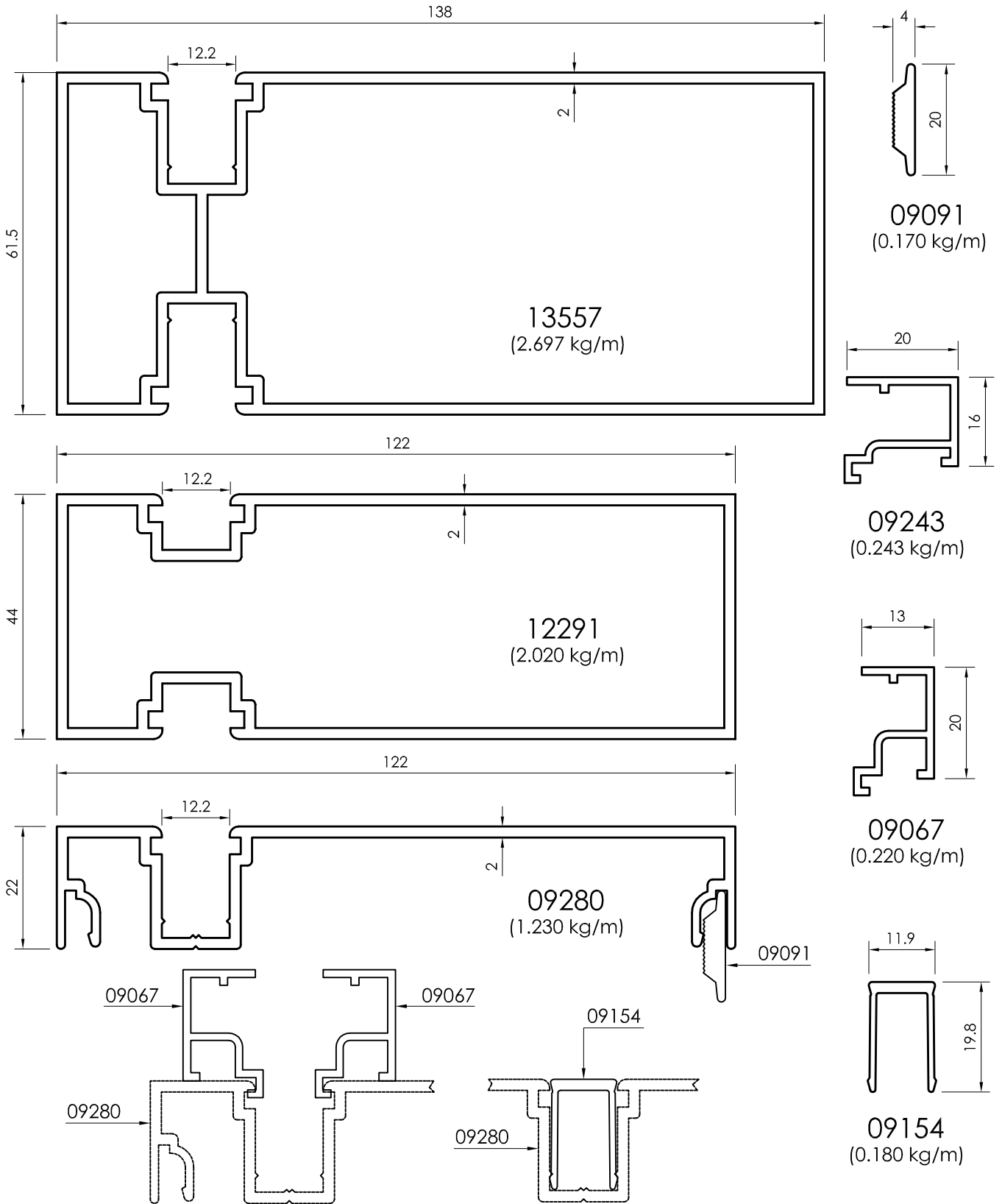
All dimensions in mm
 - - - - - Visible area

Facades



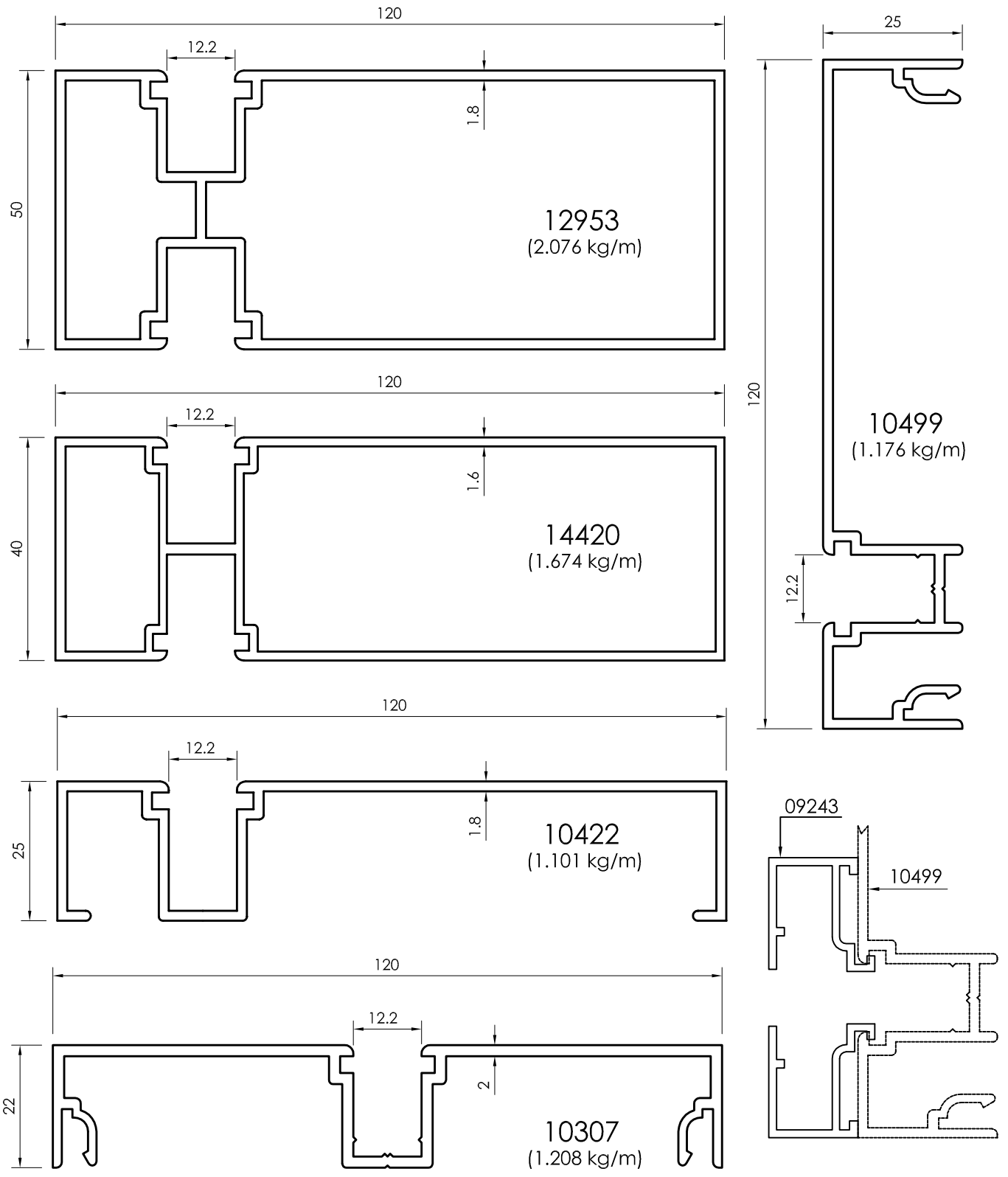
All dimensions in mm
Visible area_-----

Fixed Light 138/122mm



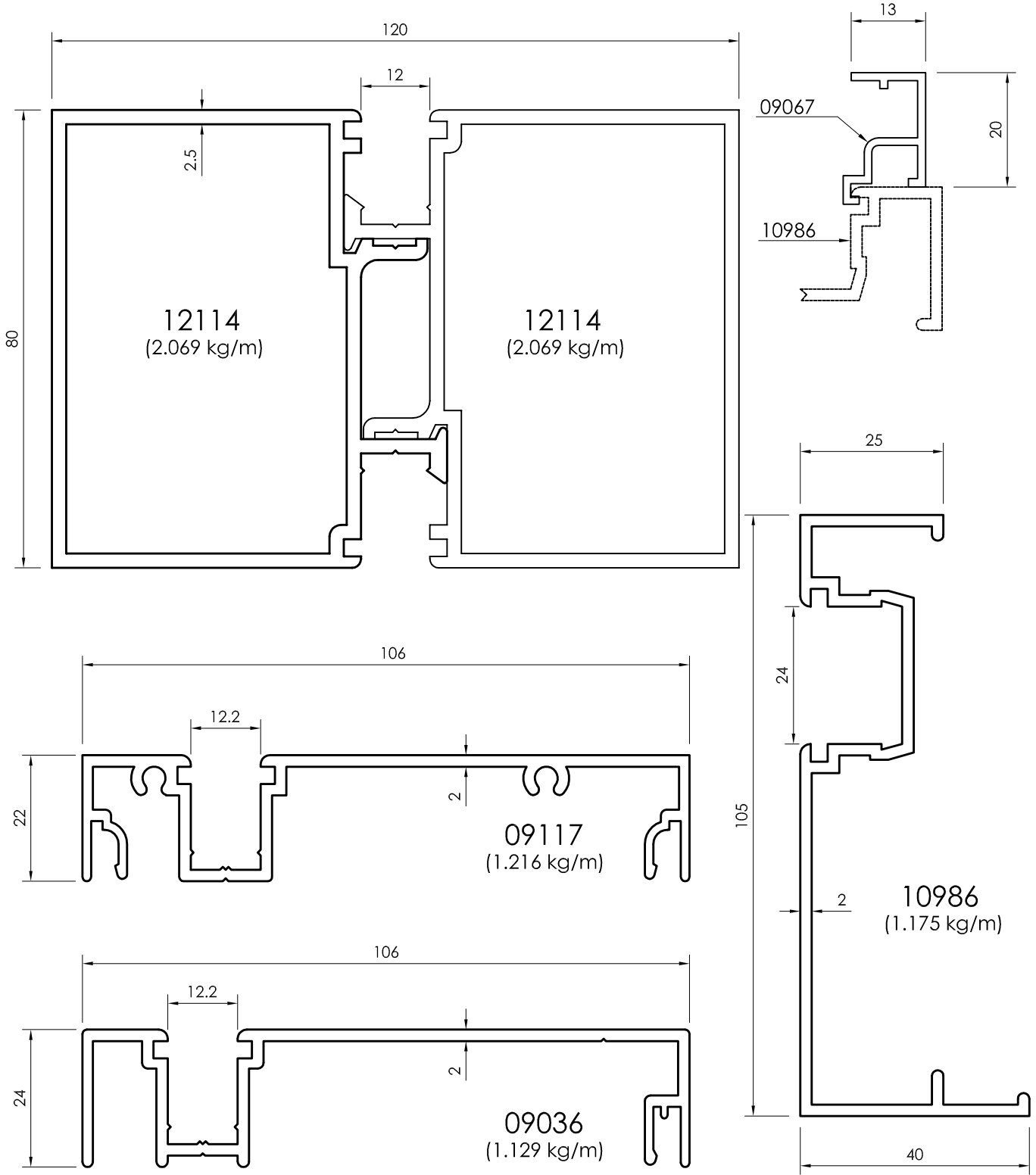
All dimensions in mm
 - - - - - Visible area

Fixed Light 120mm



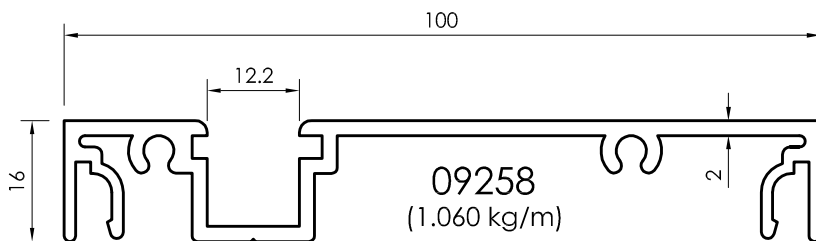
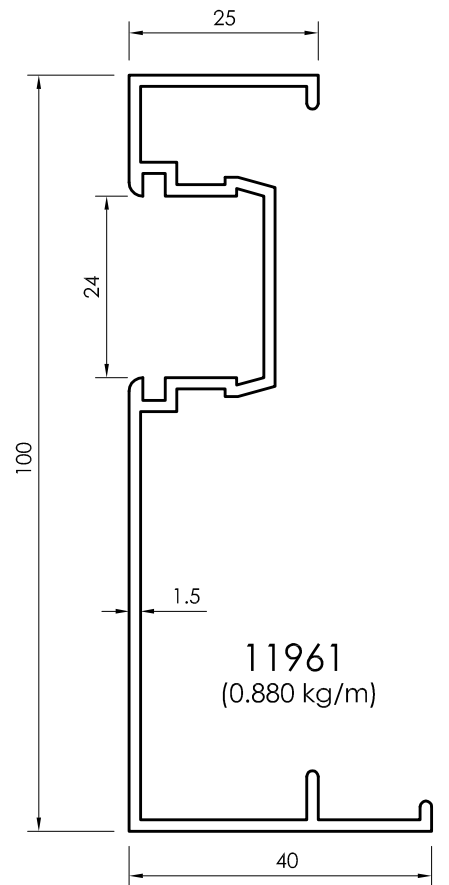
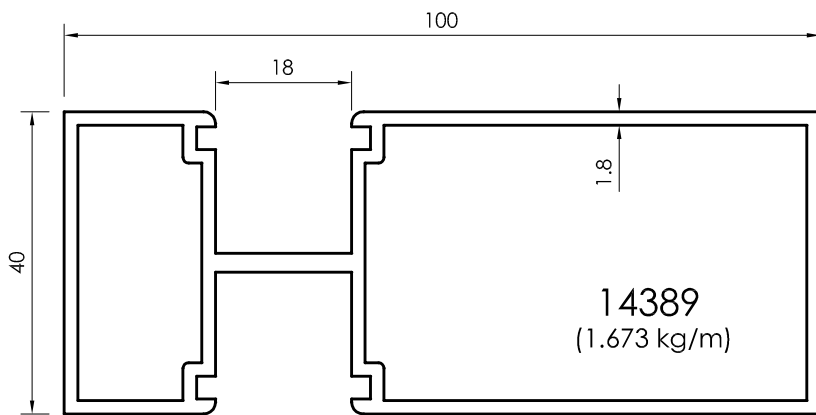
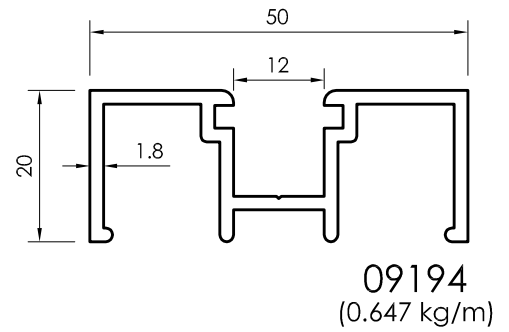
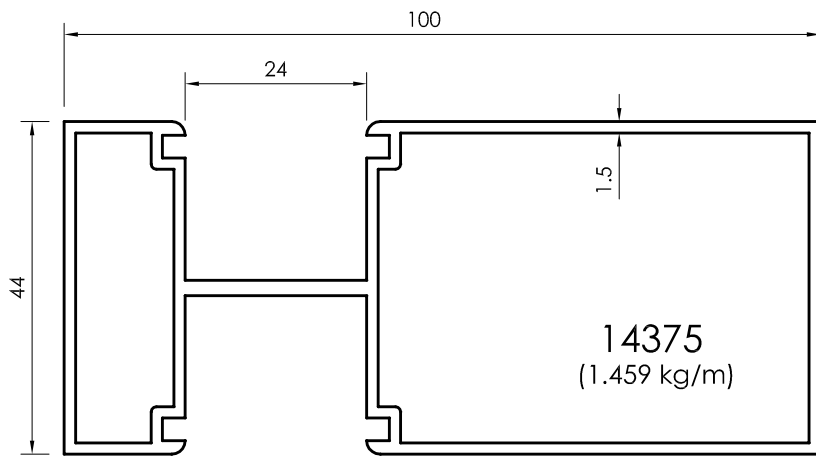
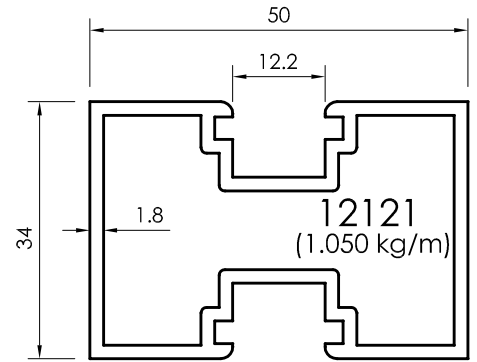
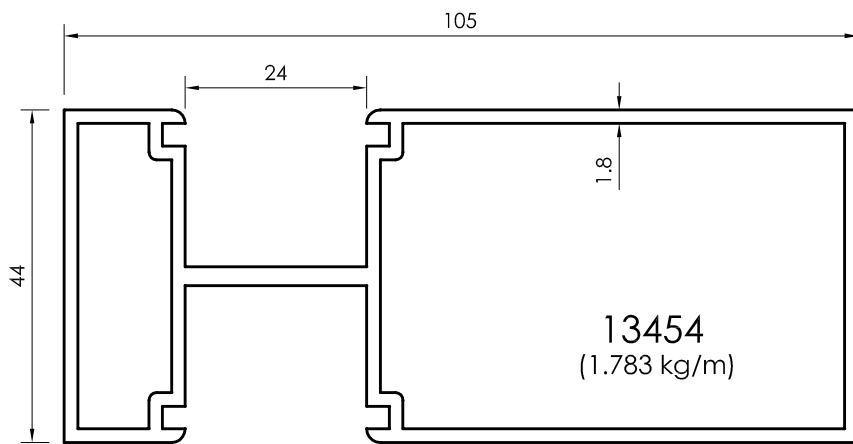
All dimensions in mm
Visible area_-----

Fixed Light 105/106/120mm



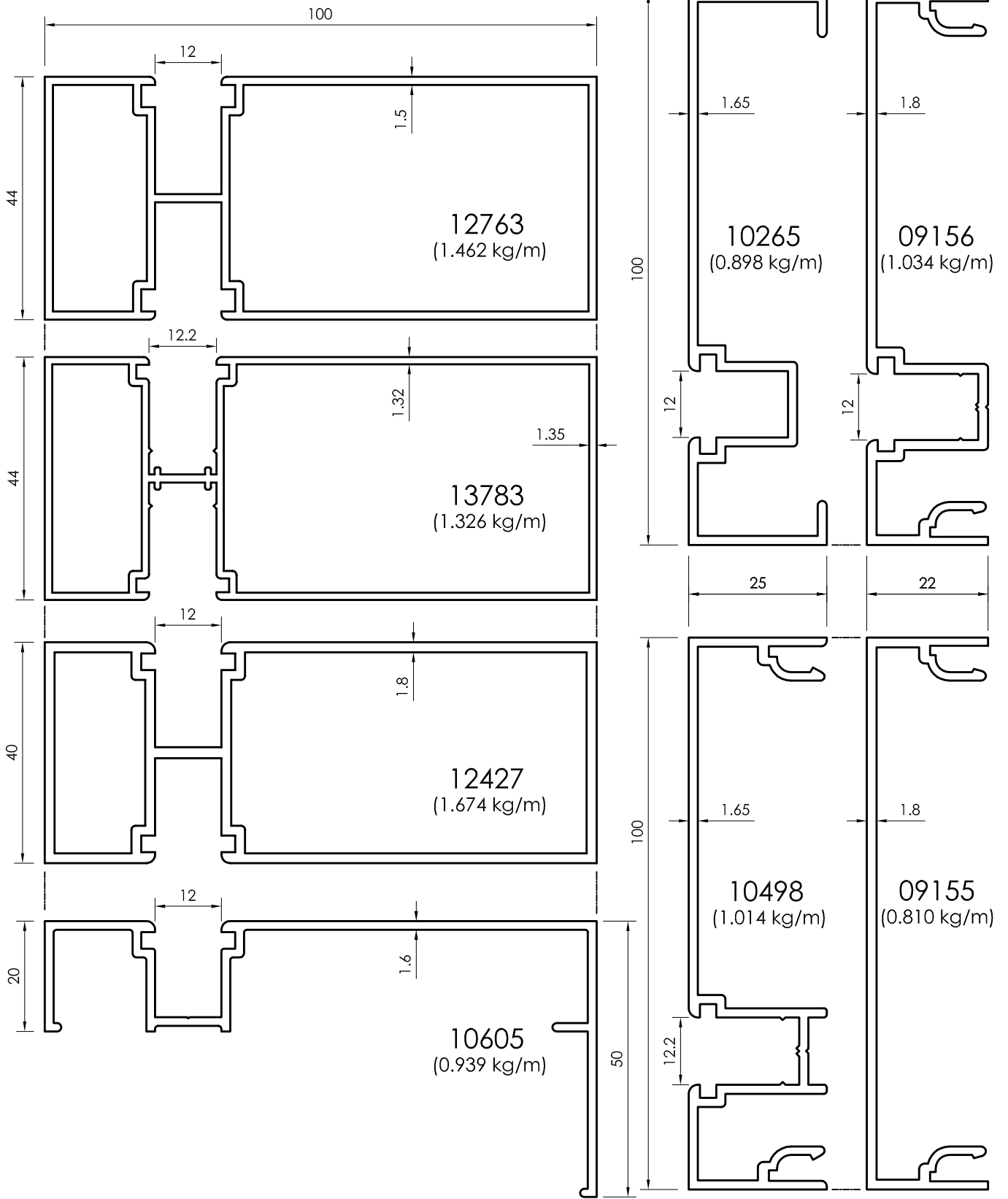
All dimensions in mm
 - - - - - Visible area

Fixed Light 50/100/105mm



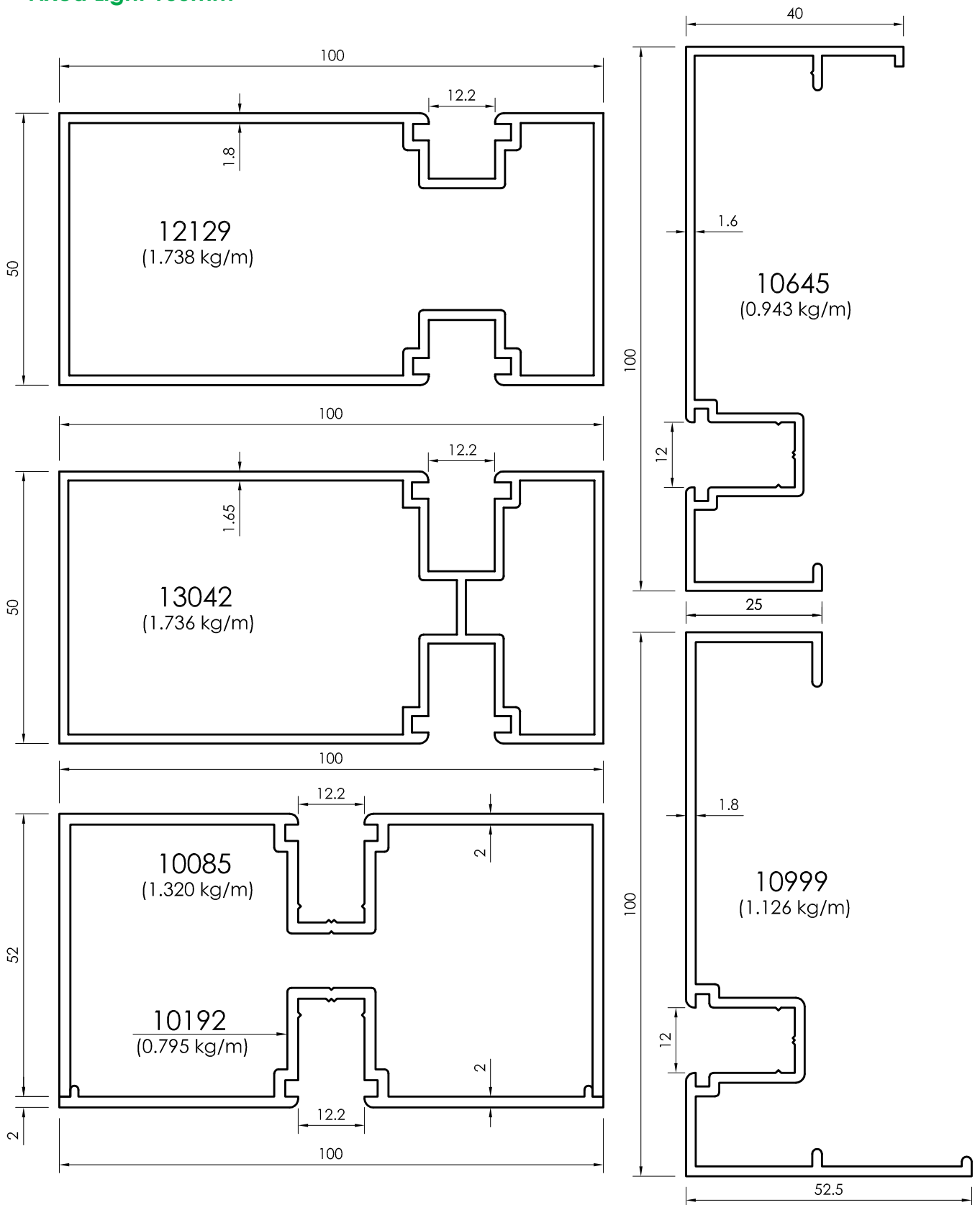
All dimensions in mm
Visible area_____

Fixed Light 100mm



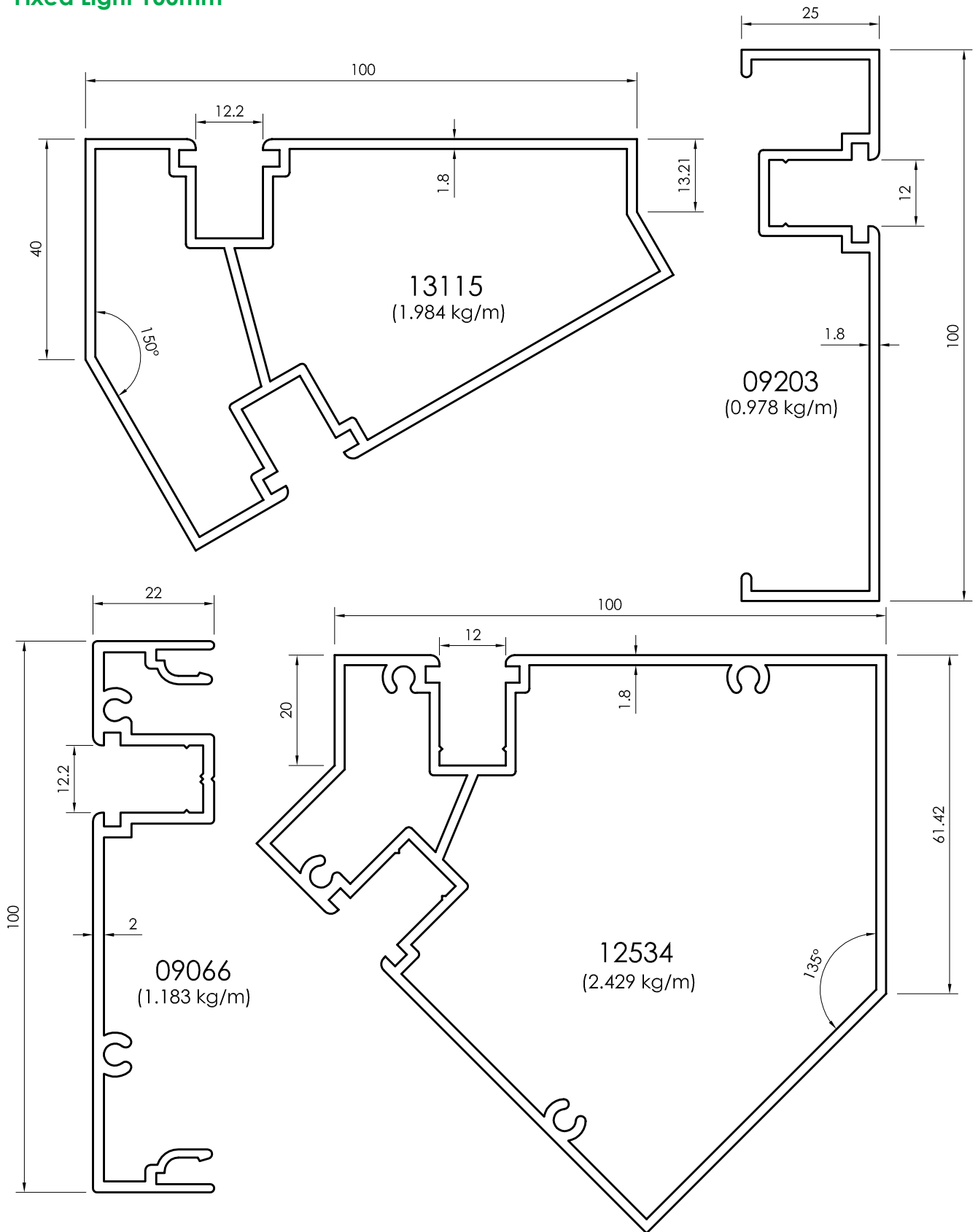
All dimensions in mm
 - - - - - Visible area

Fixed Light 100mm



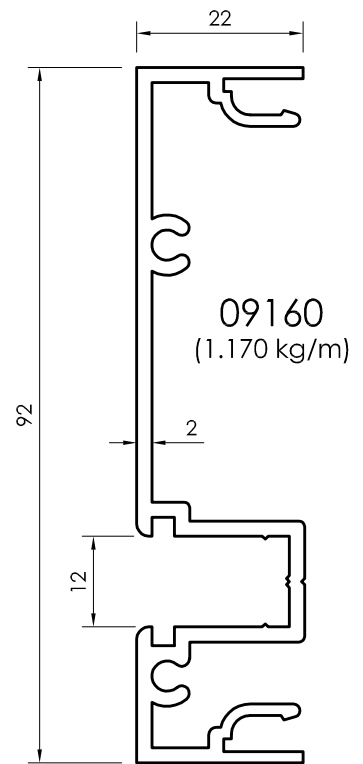
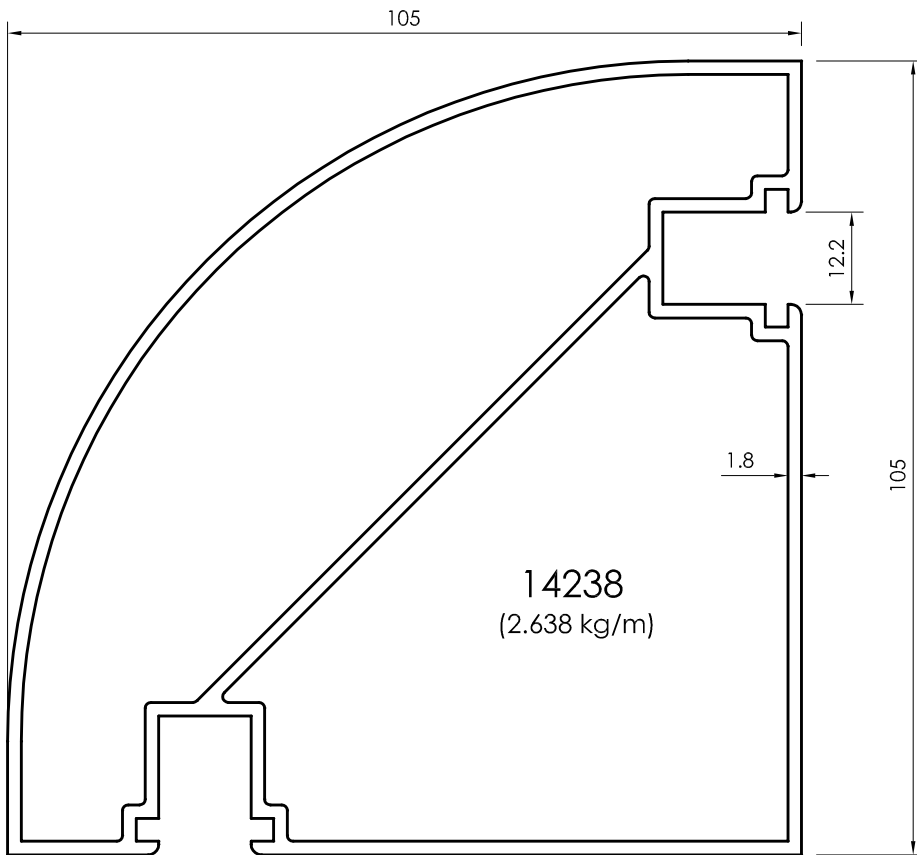
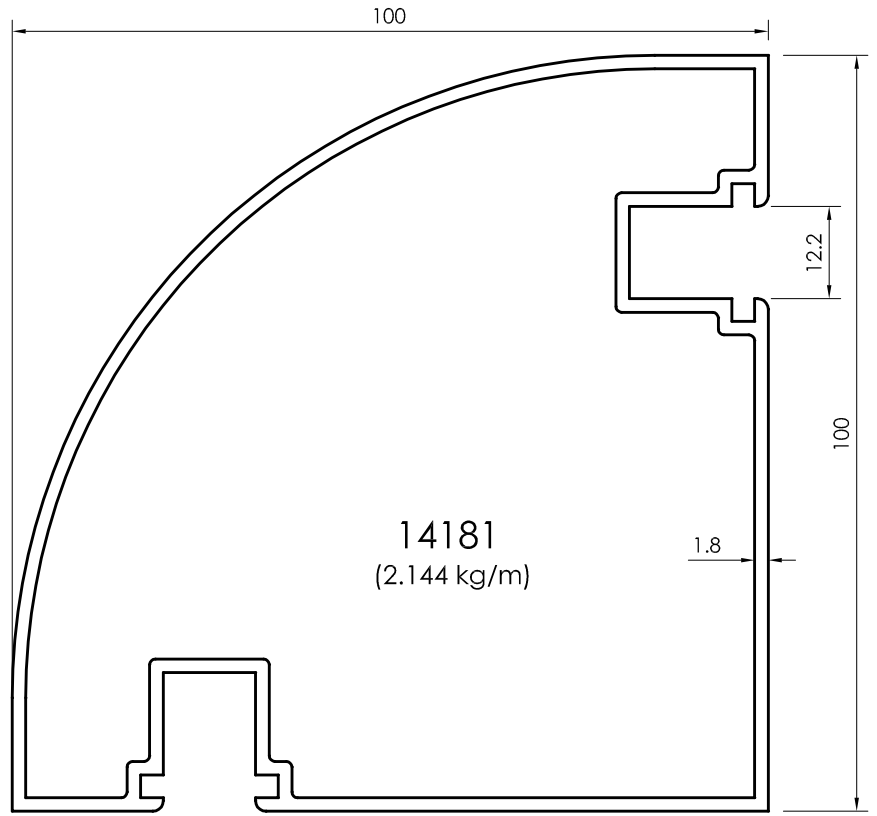
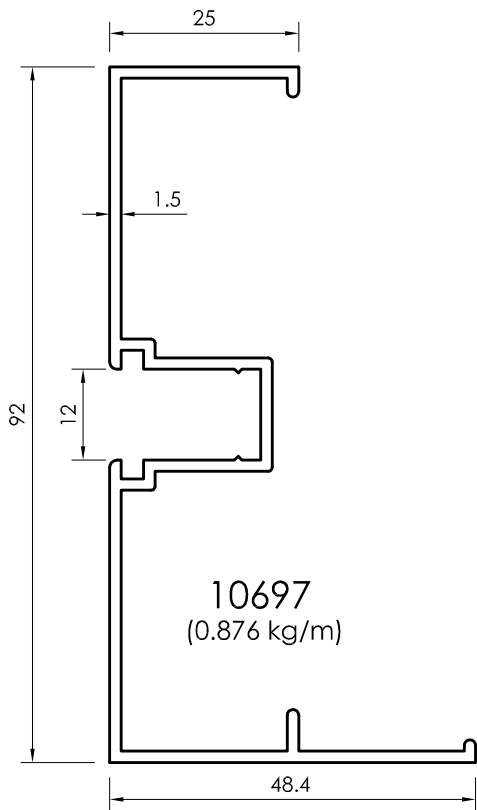
All dimensions in mm
Visible area_-----

Fixed Light 100mm



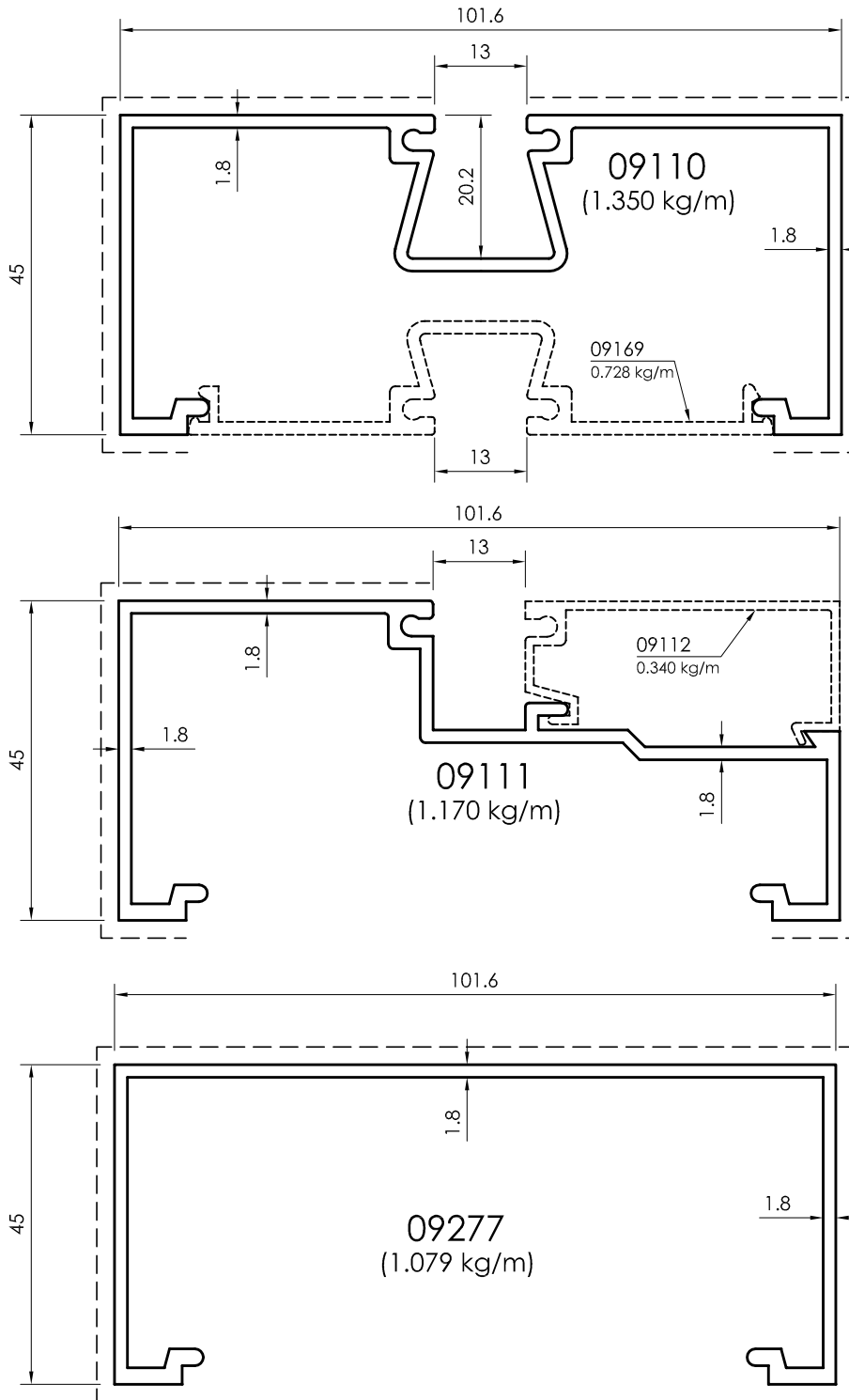
All dimensions in mm
 - - - - - Visible area

Fixed Light 92/100/105mm



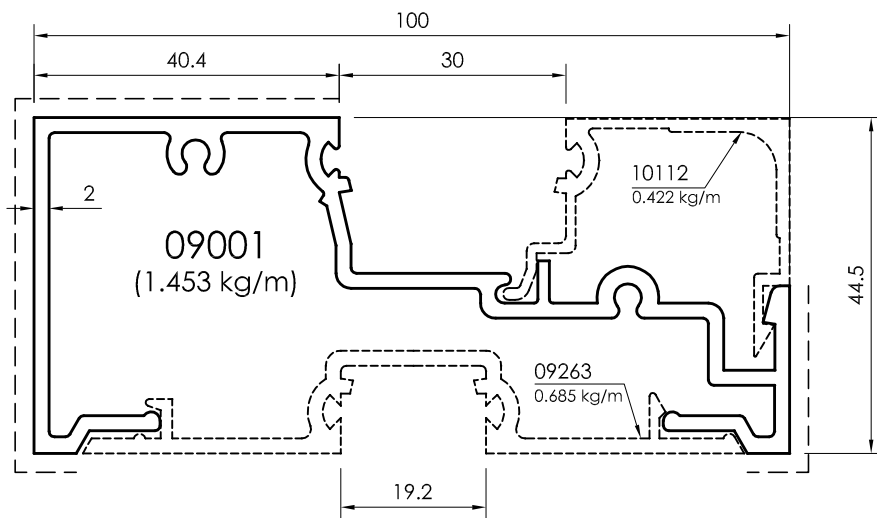
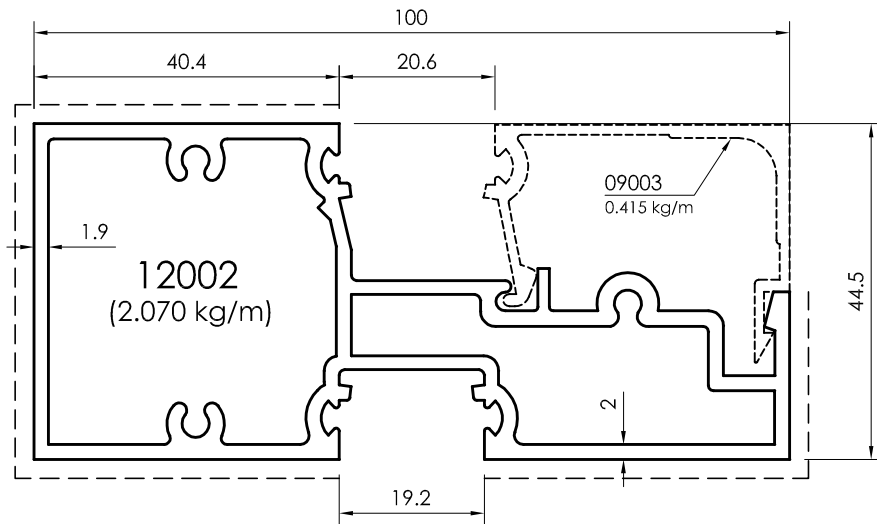
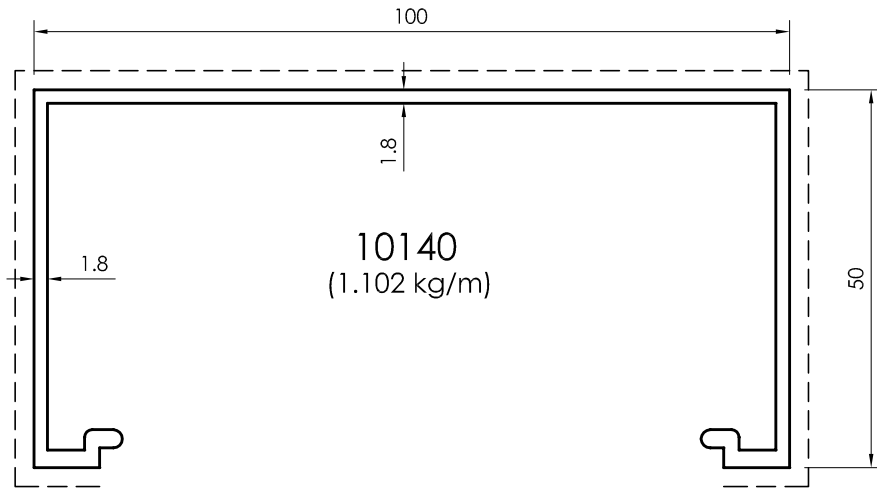
All dimensions in mm
Visible area_____

Shop Fronts



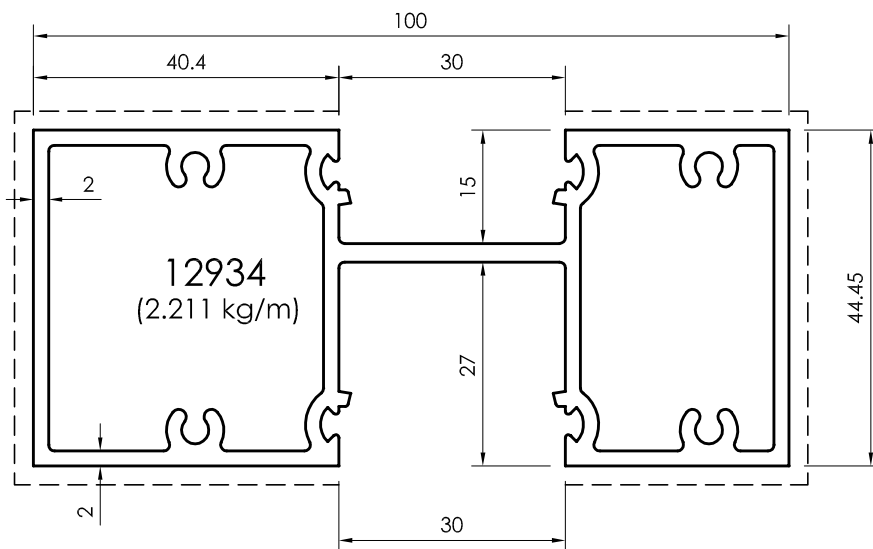
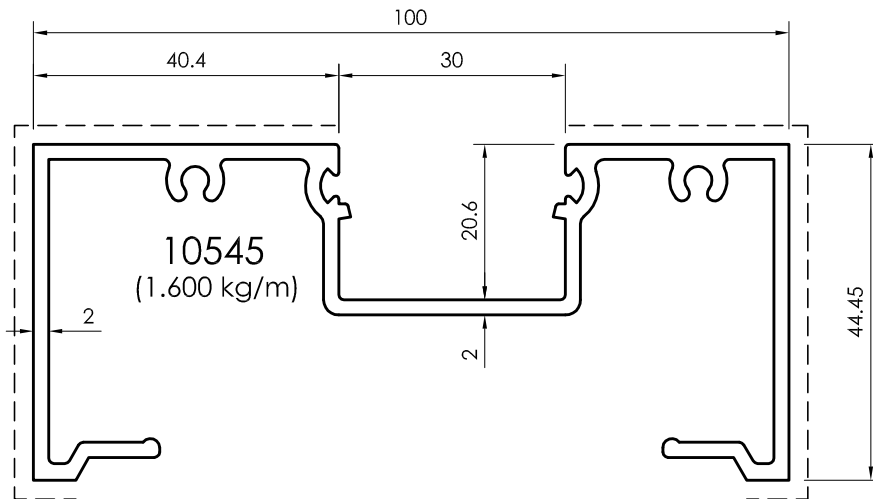
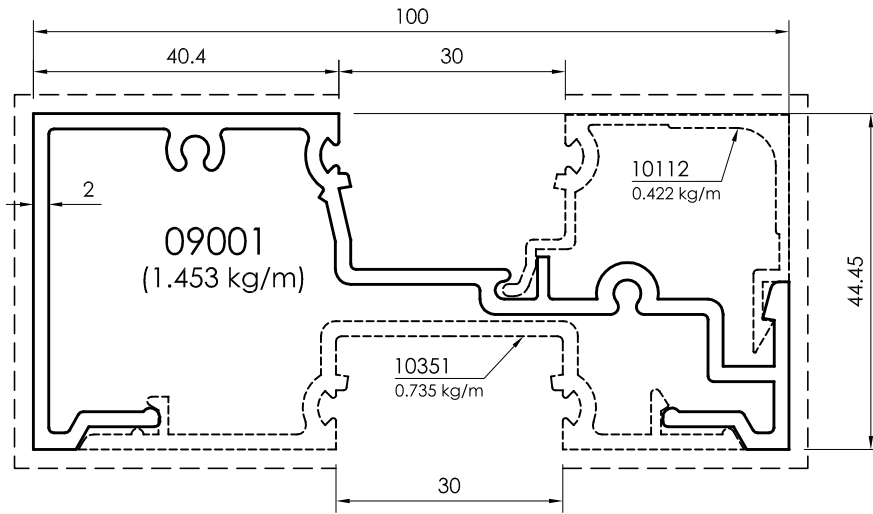
All dimensions in mm
 ----- Visible area

Shop Fronts



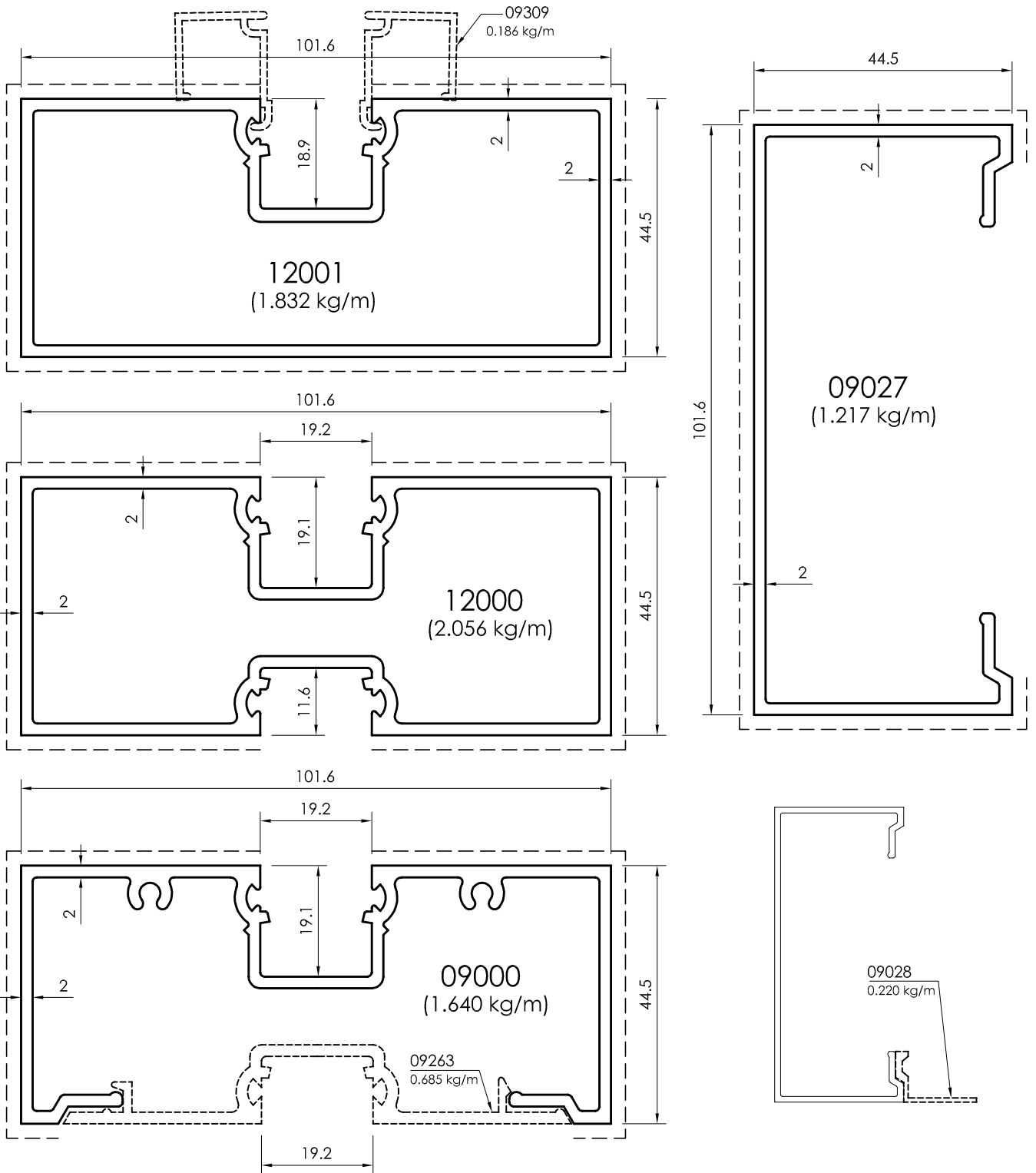
All dimensions in mm
Visible area_-----

Shop Fronts



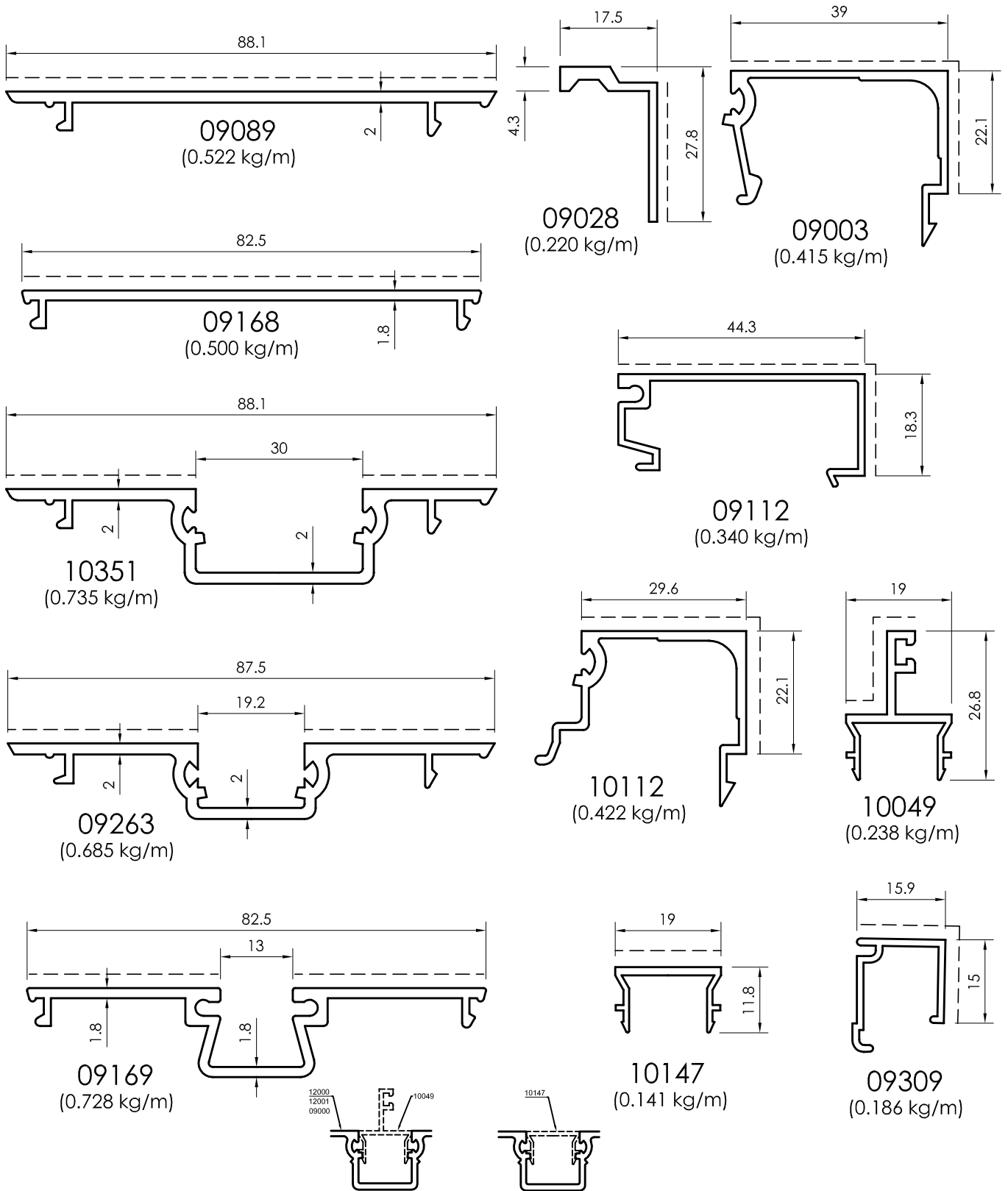
All dimensions in mm
 - - - - - Visible area

Shop Fronts



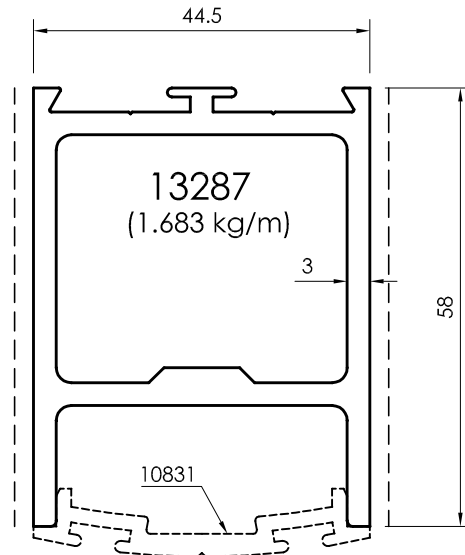
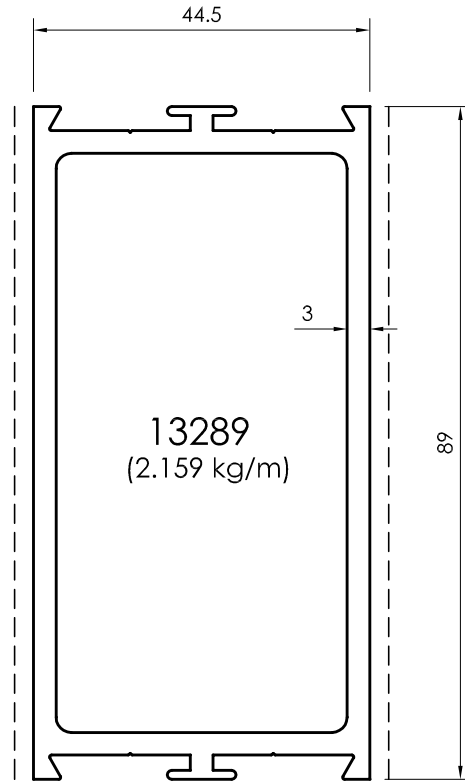
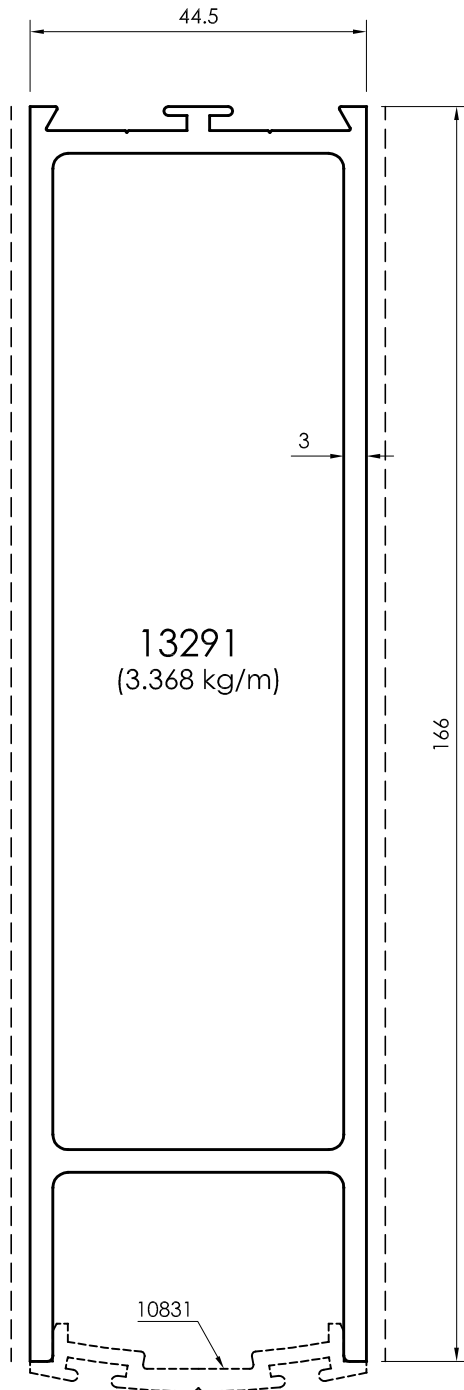
All dimensions in mm
Visible area_-----

Shop Fronts



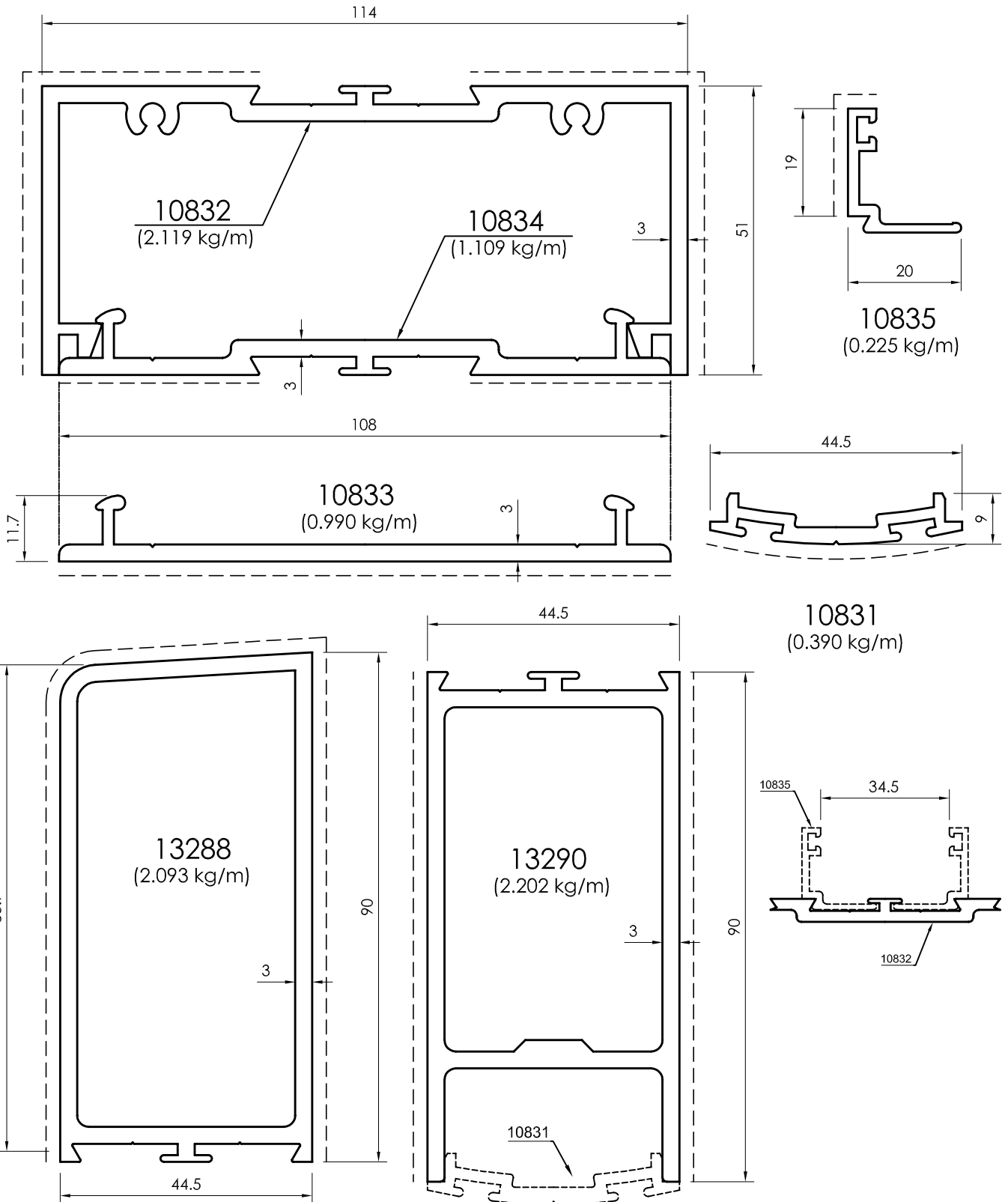
All dimensions in mm
 ----- Visible area

Shop Fronts



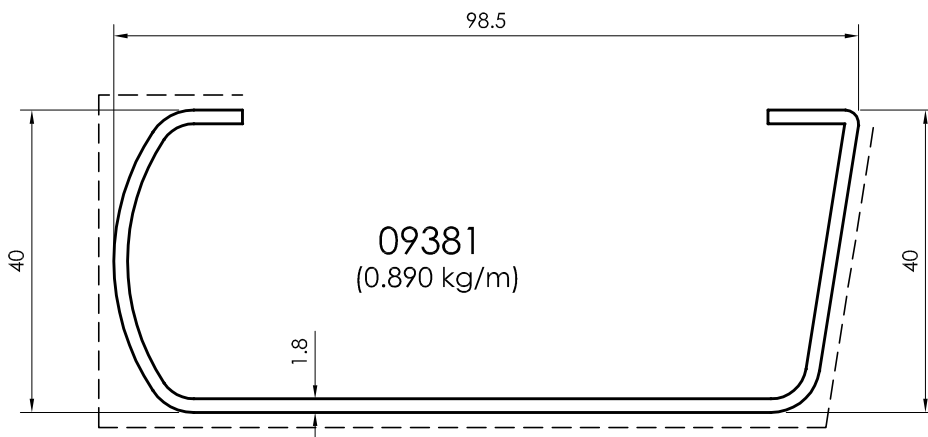
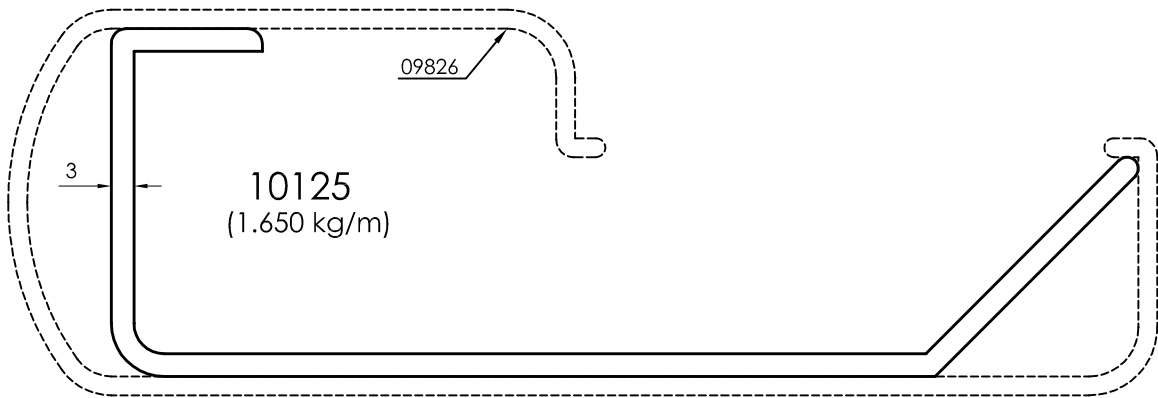
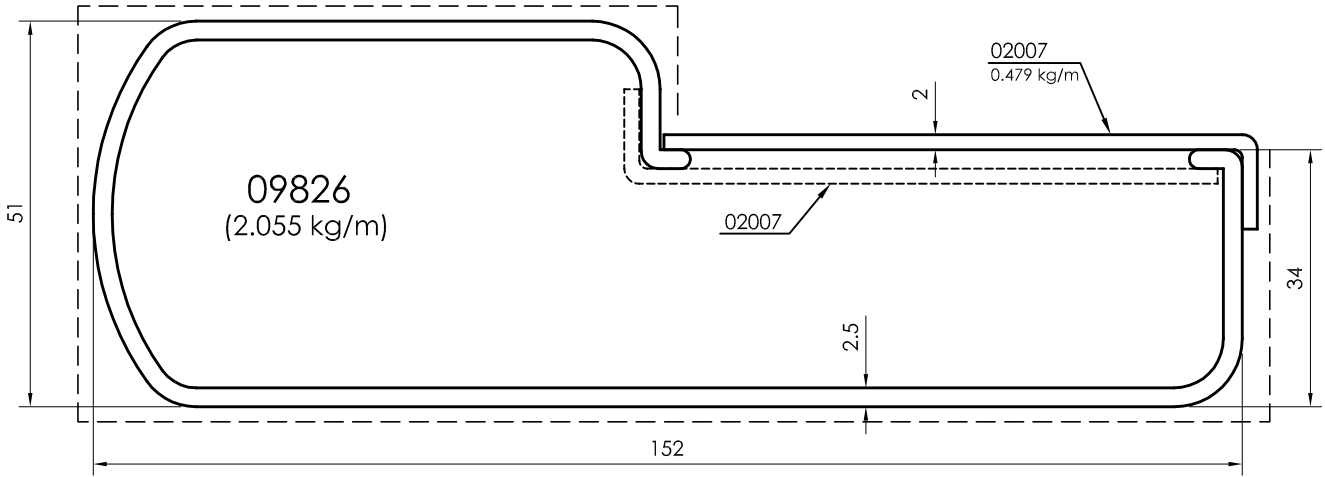
All dimensions in mm
Visible area_-----

Shop Fronts



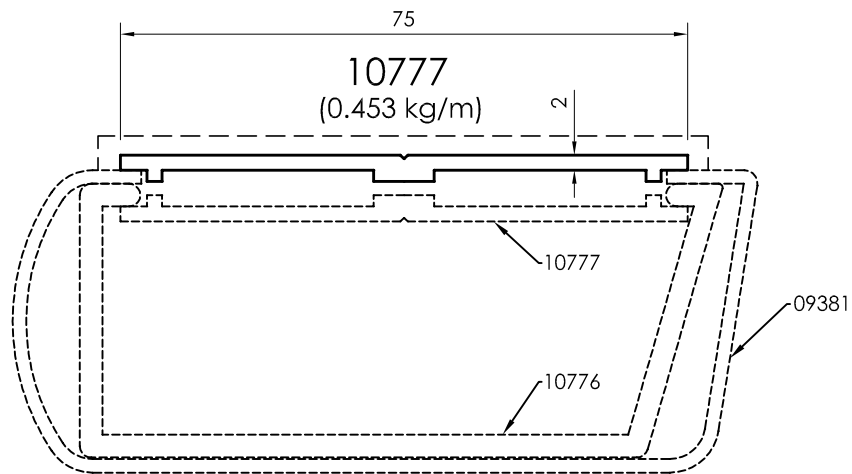
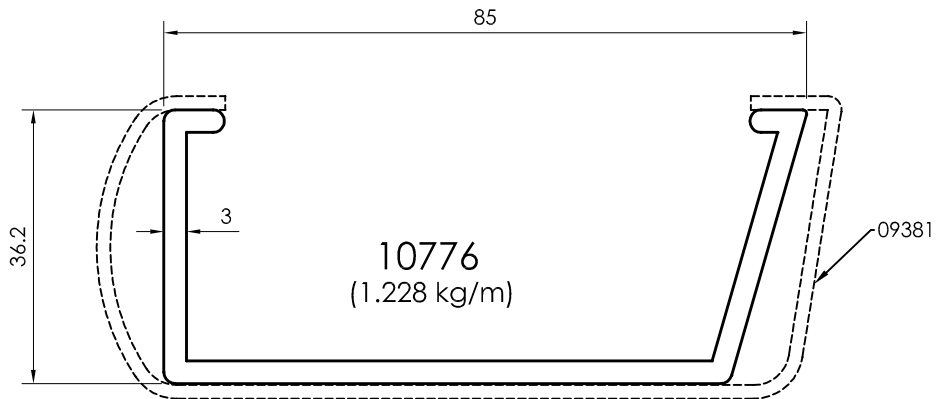
All dimensions in mm
 - - - - - Visible area

Camel Race



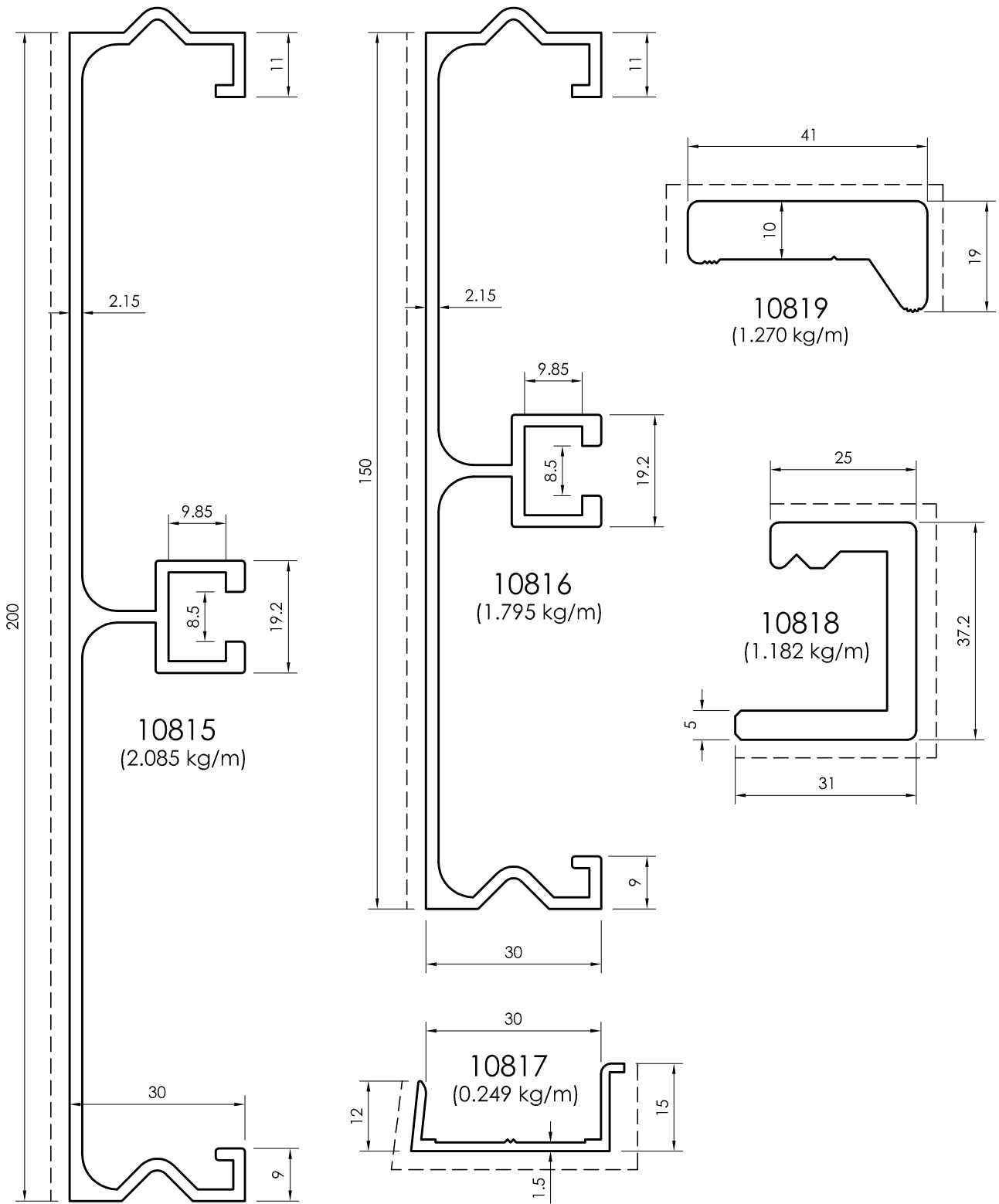
All dimensions in mm
Visible area_-----

Camel Race



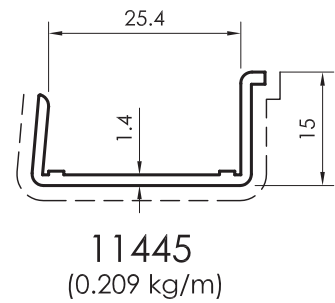
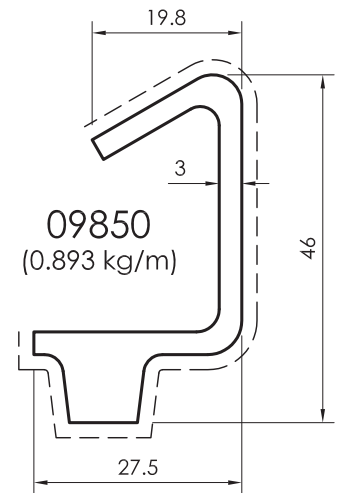
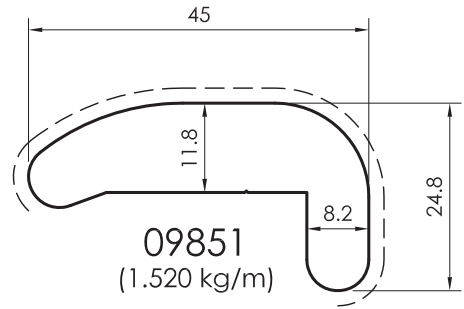
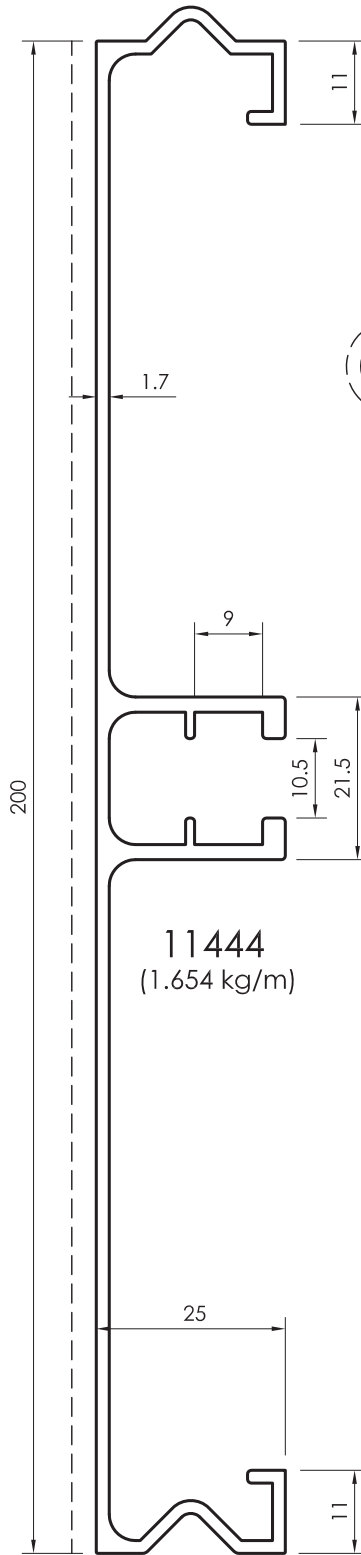
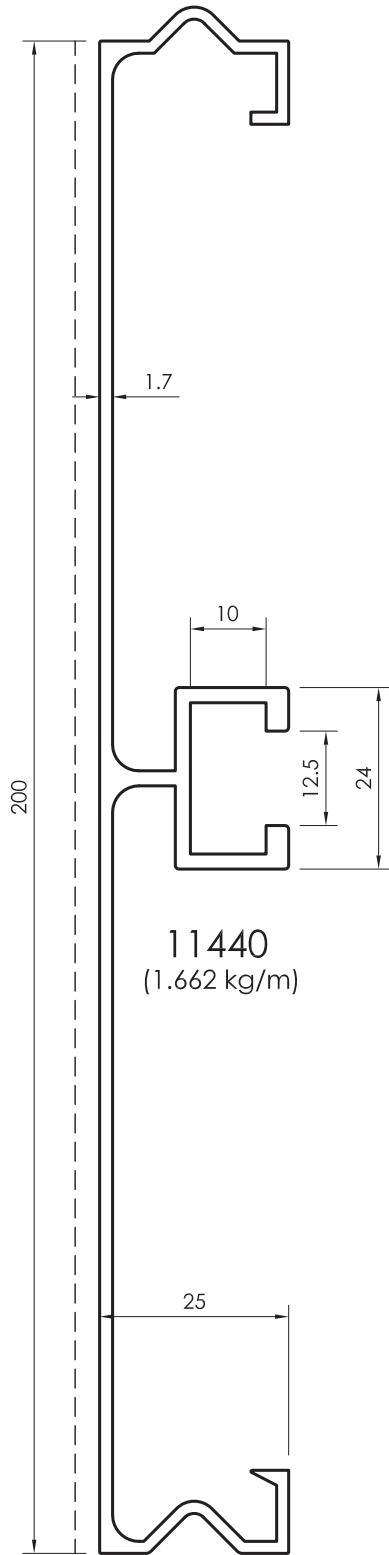
All dimensions in mm
----- Visible area

Signboard



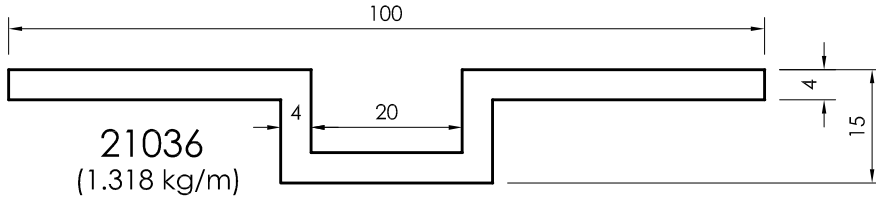
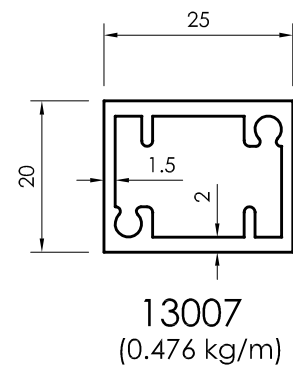
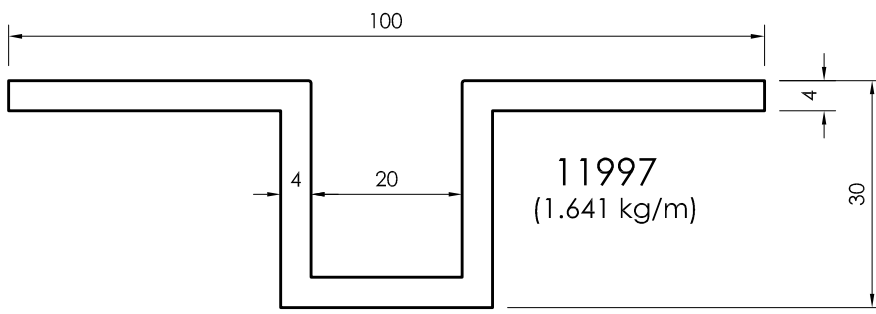
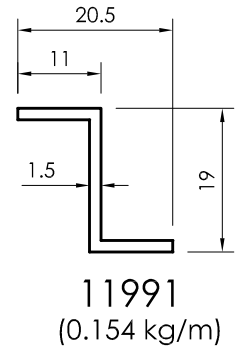
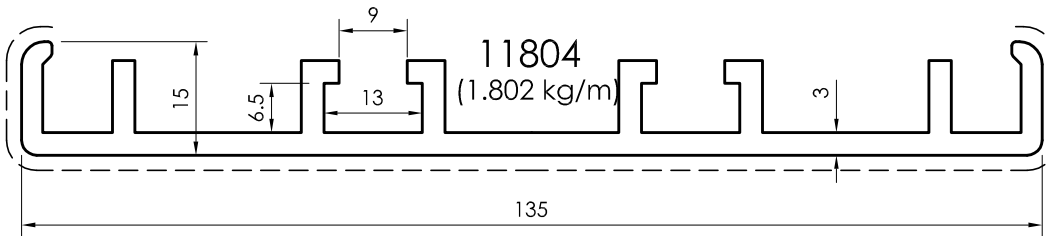
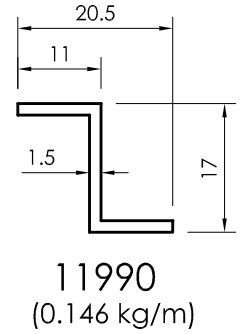
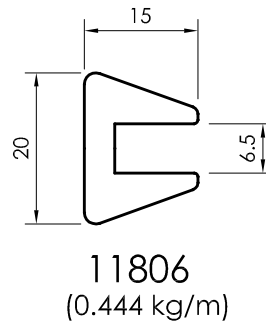
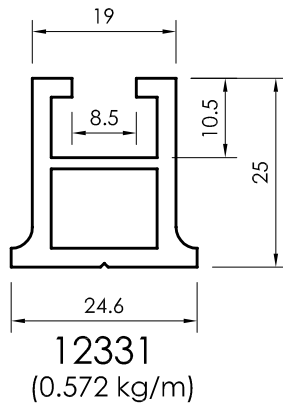
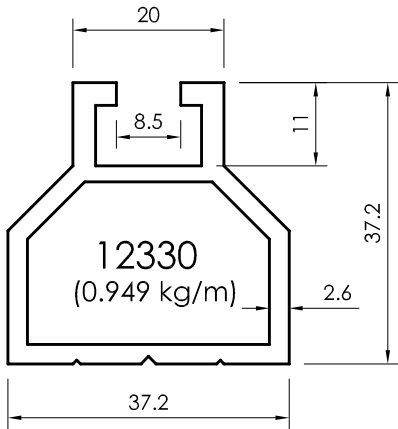
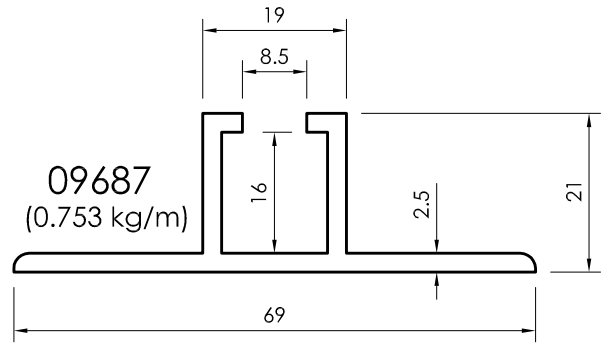
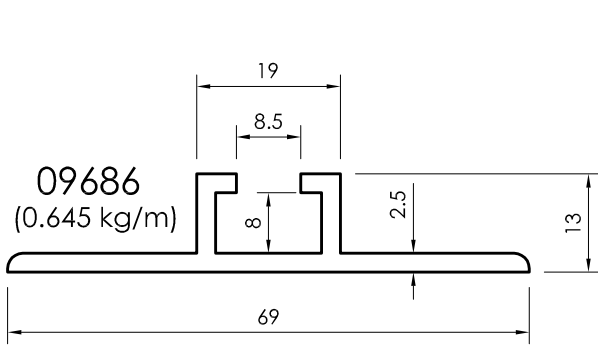
All dimensions in mm
Visible area_-----

Signboard



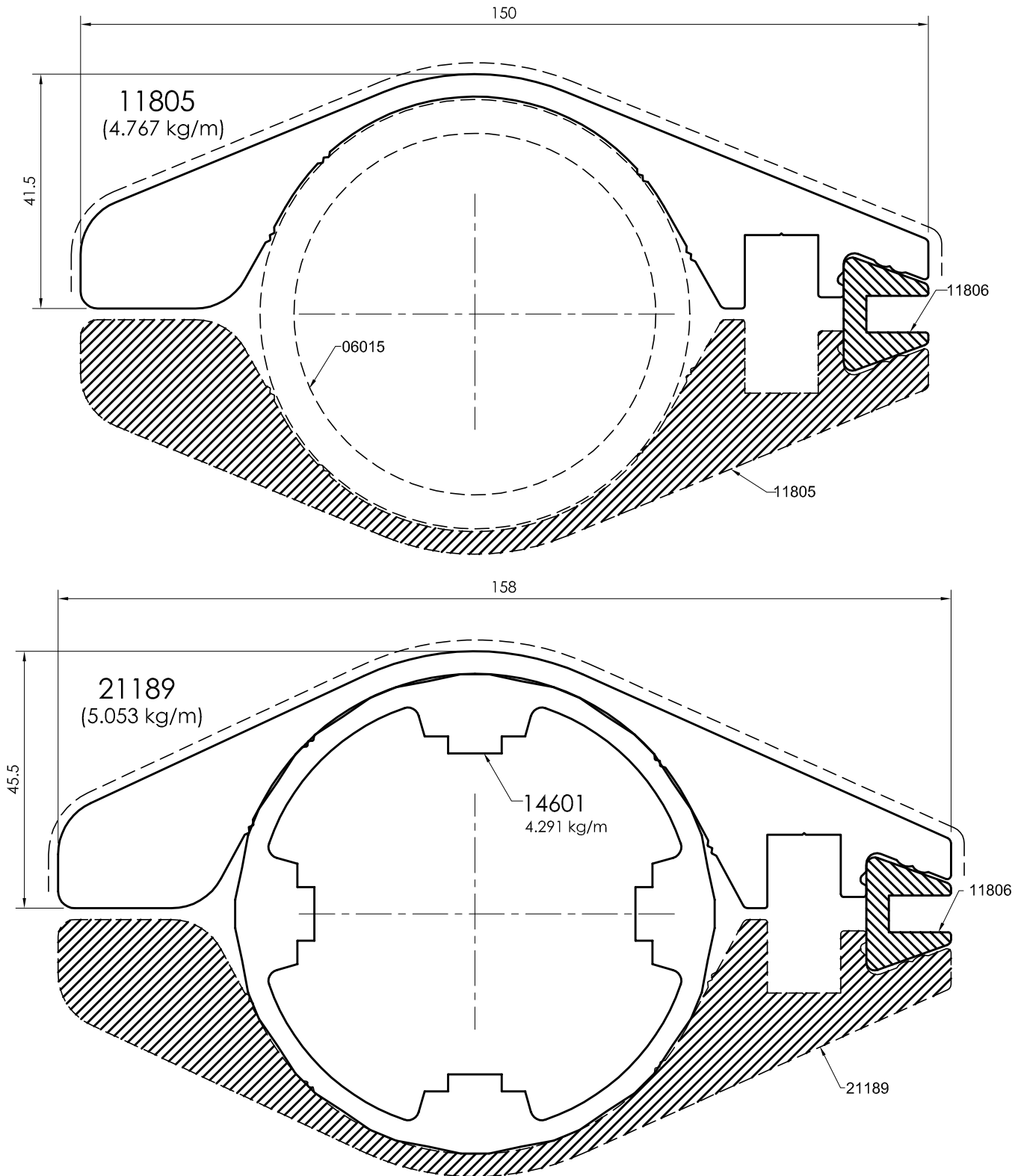
All dimensions in mm
 ----- Visible area

Signboard



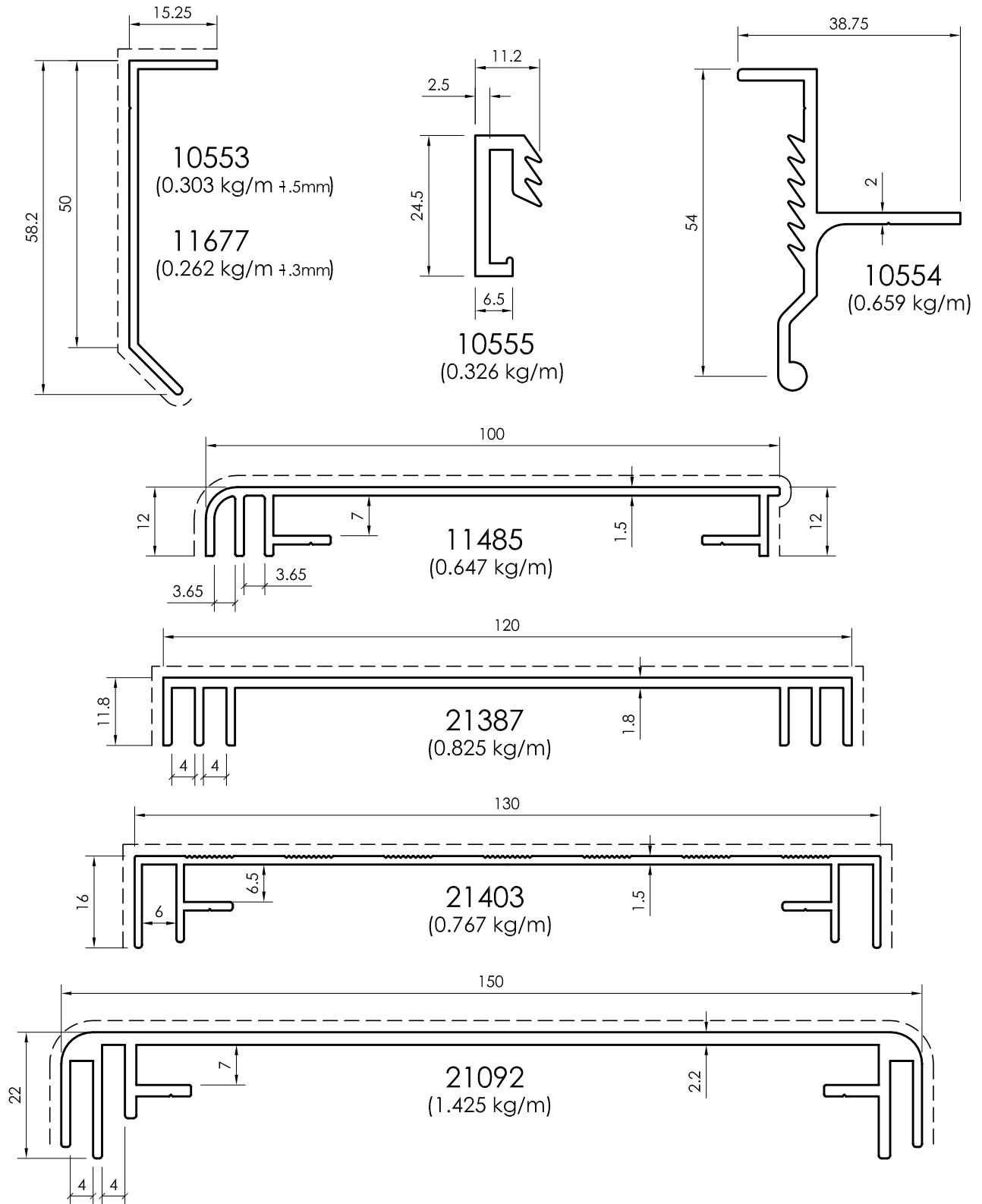
All dimensions in mm
Visible area_-----

Signboard



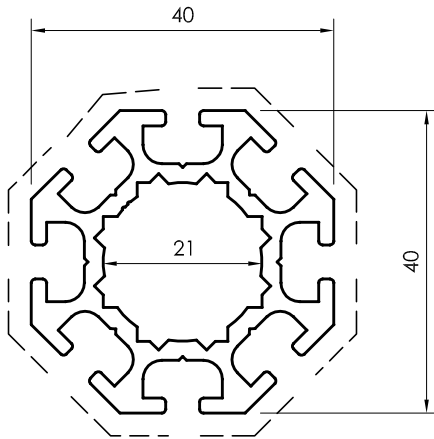
All dimensions in mm
----- Visible area

Signboard

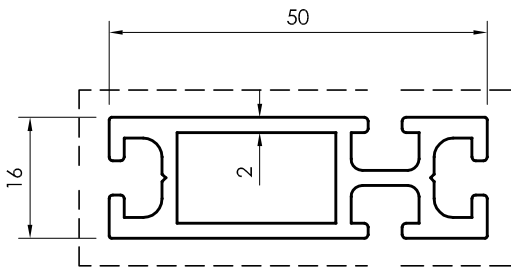


All dimensions in mm
Visible area_-----

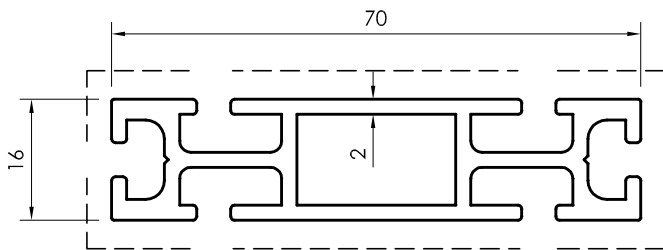
Exhibition Stand



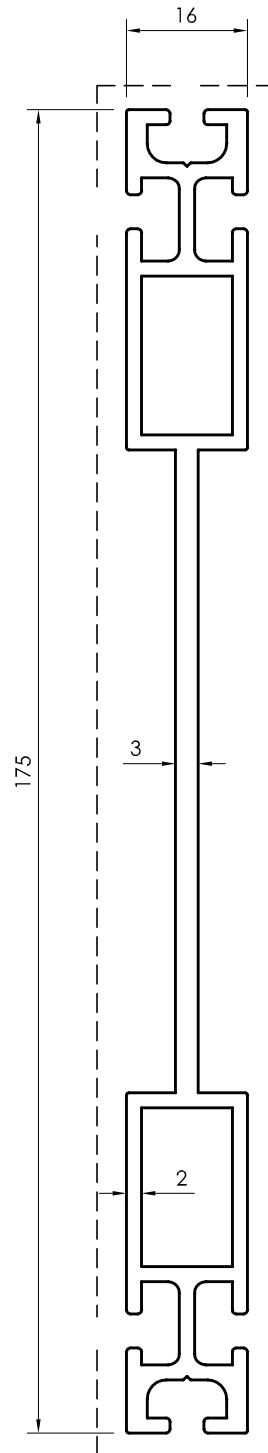
13515
(1.258 kg/m)



13516
(0.872 kg/m)



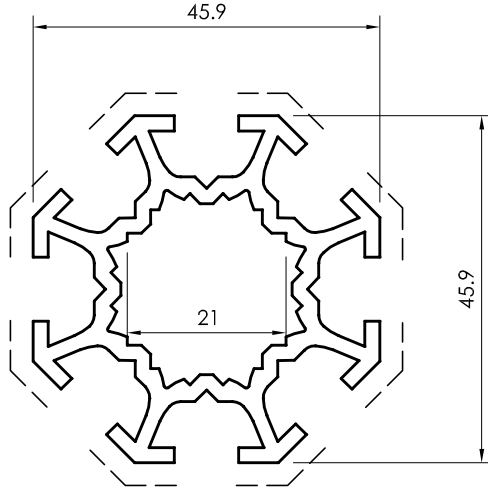
13517
(1.205 kg/m)



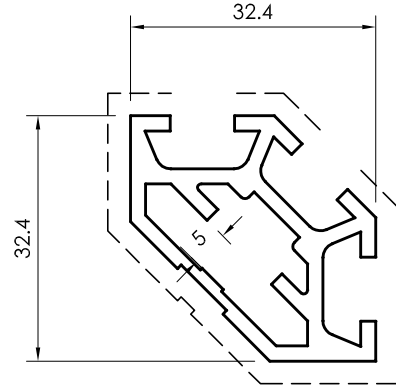
13518
(2.212 kg/m)

All dimensions in mm
----- Visible area

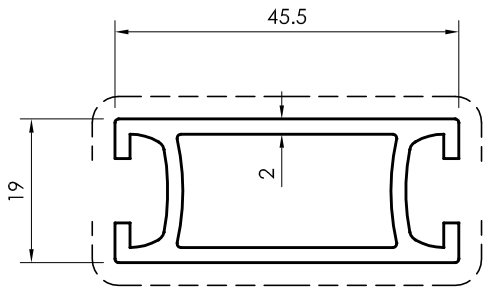
Exhibition Stand



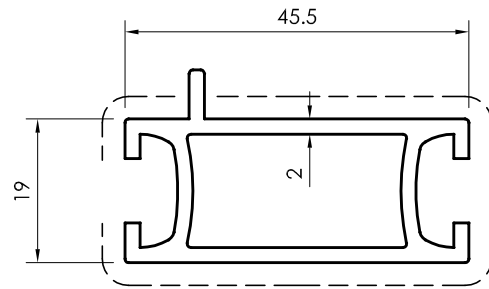
13030
(1.347 kg/m)



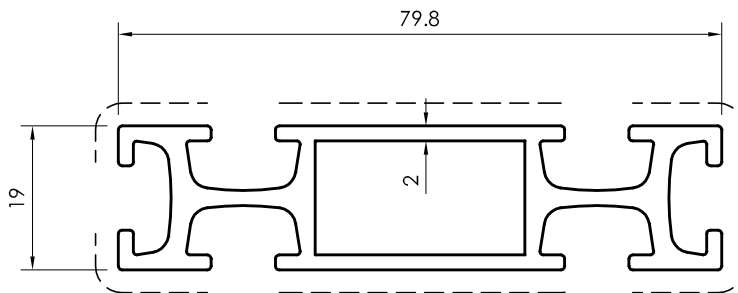
13031
(0.800 kg/m)



13028
(0.743 kg/m)



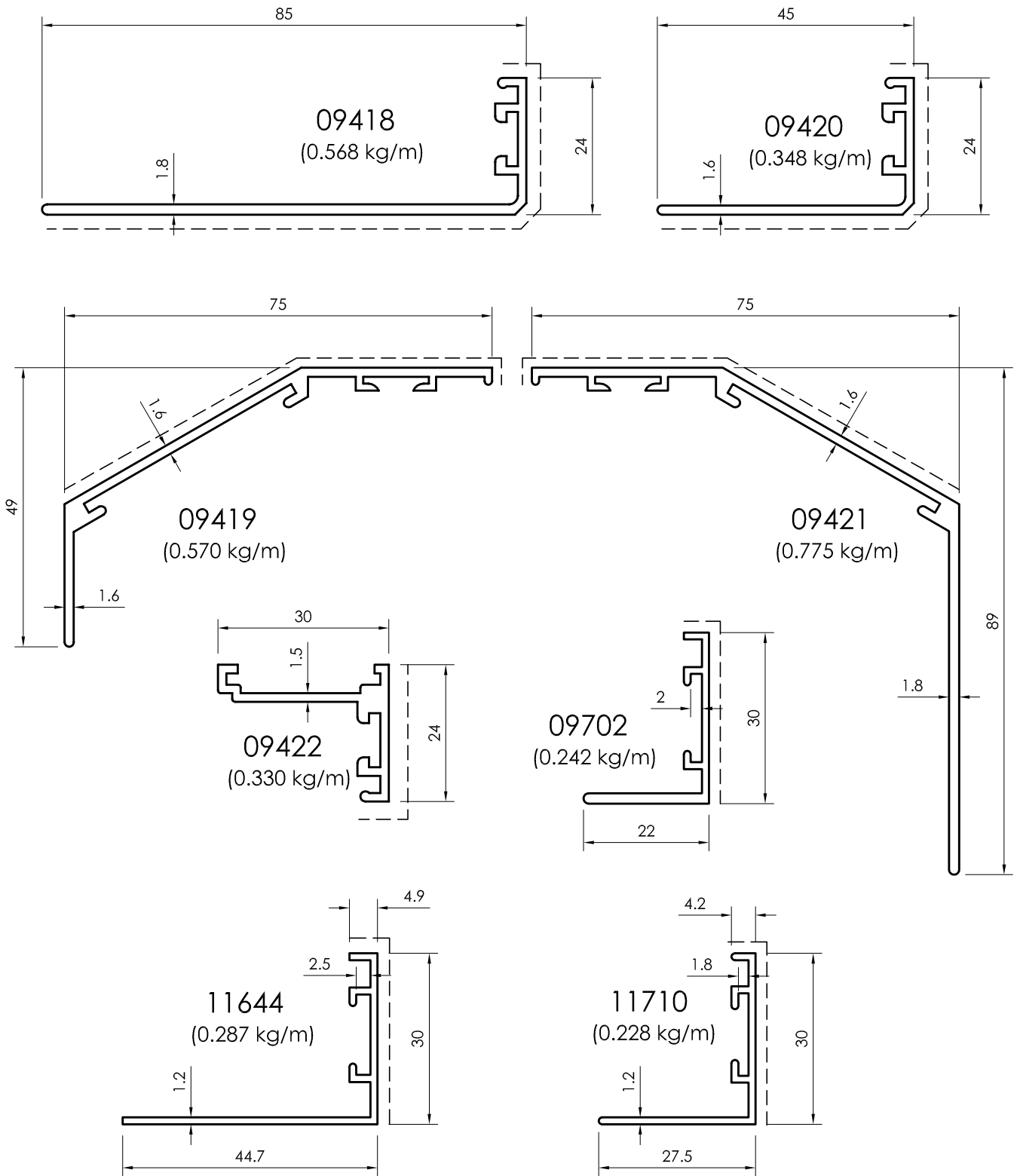
13062
(0.778 kg/m)



14099
(1.380 kg/m)

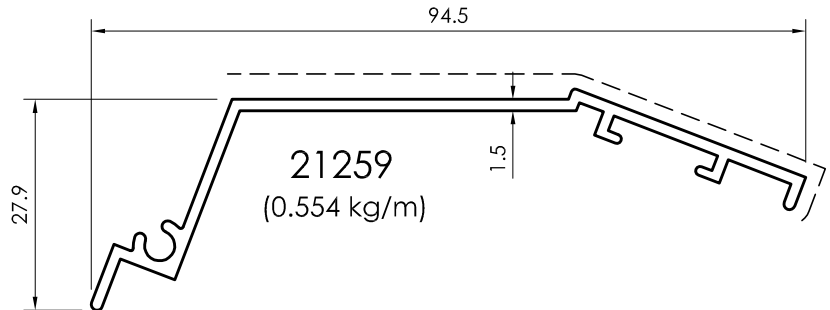
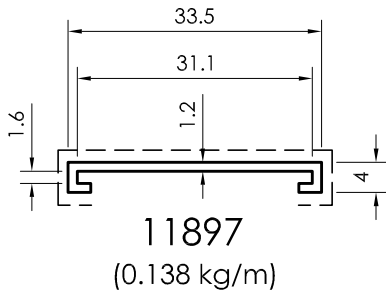
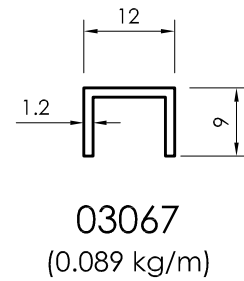
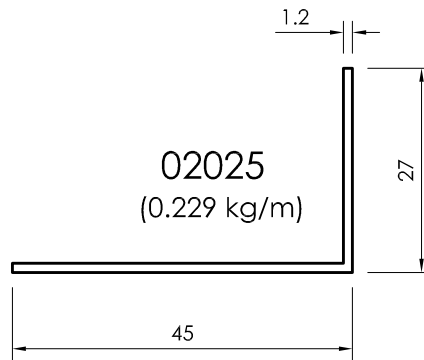
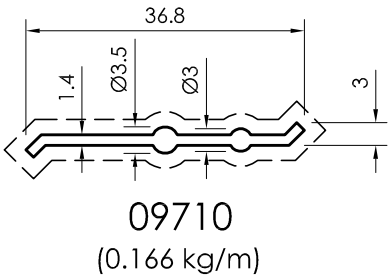
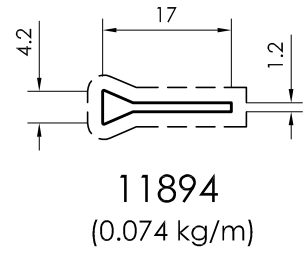
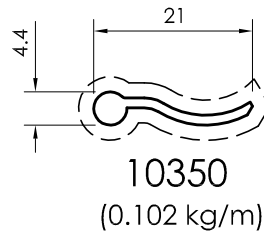
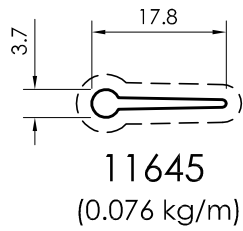
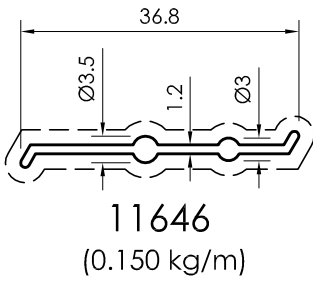
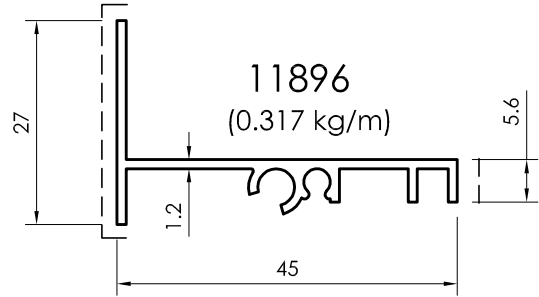
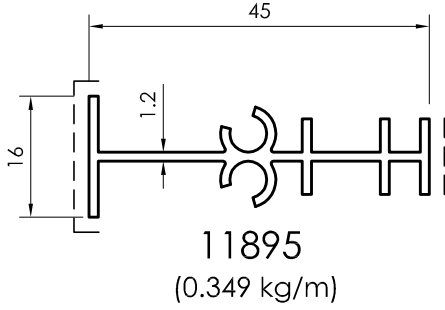
All dimensions in mm
Visible area_-----

HVAC



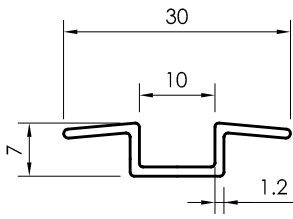
All dimensions in mm
 - - - - - Visible area

HVAC

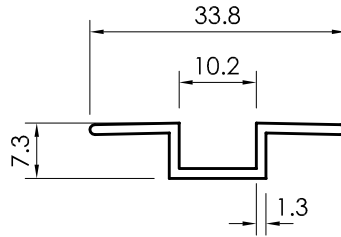


All dimensions in mm
Visible area_____

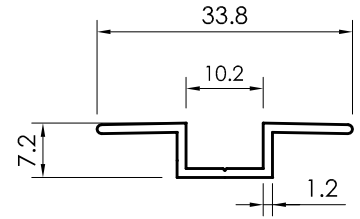
Miscellaneous



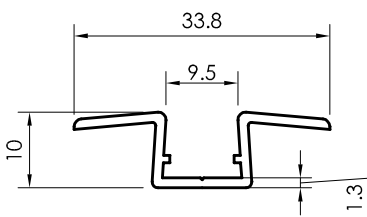
09072
(0.134 kg/m)



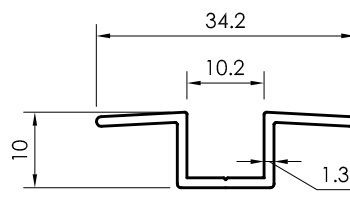
10023
(0.160 kg/m)



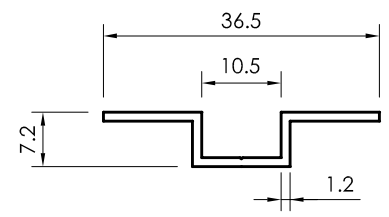
21026
(0.148 kg/m)



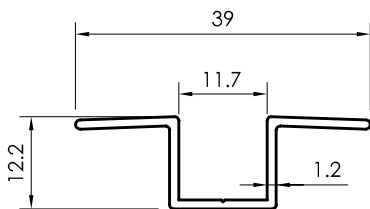
10325
(0.186 kg/m)



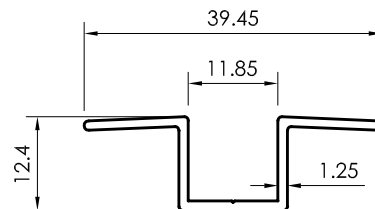
11176
(0.180 kg/m)



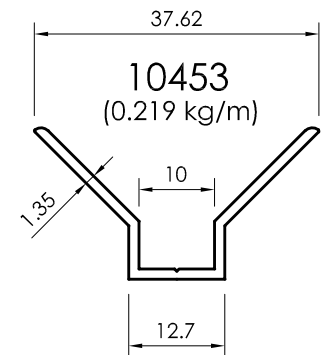
10593
(0.157 kg/m)



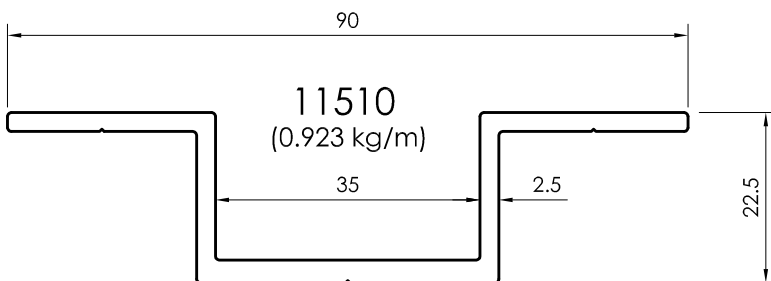
09886
(0.197 kg/m)



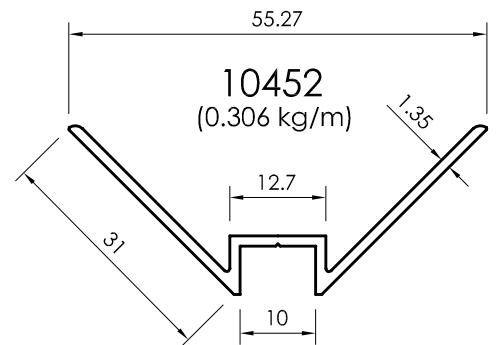
10599
(0.207 kg/m)



10453
(0.219 kg/m)



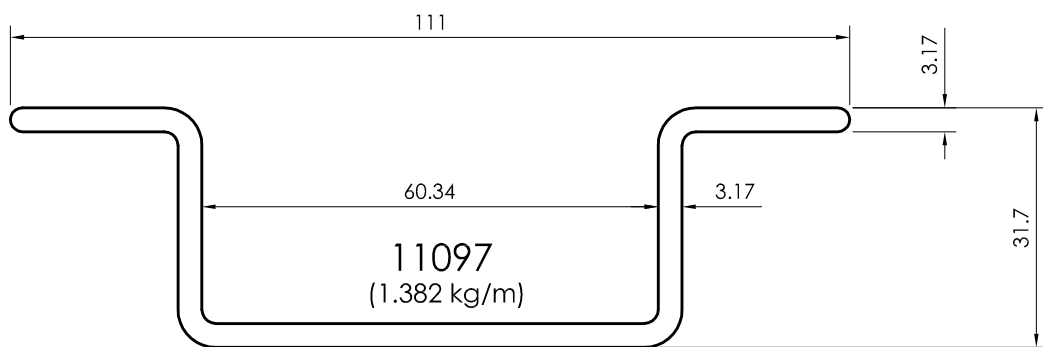
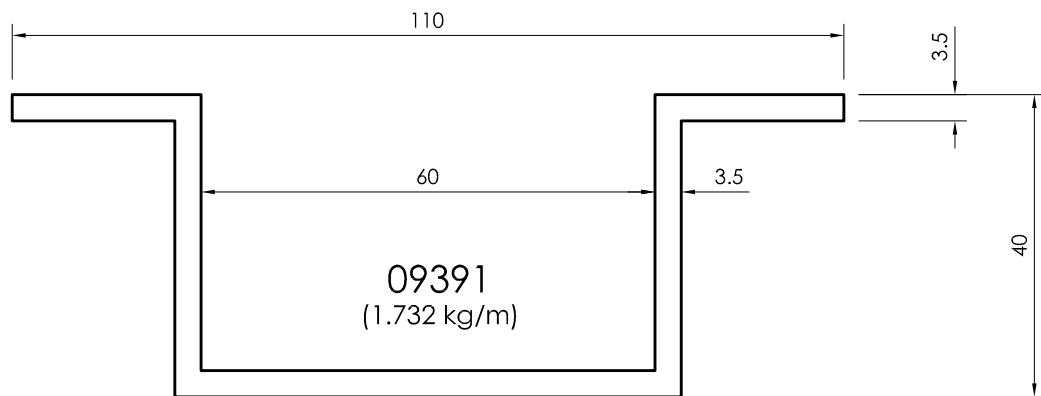
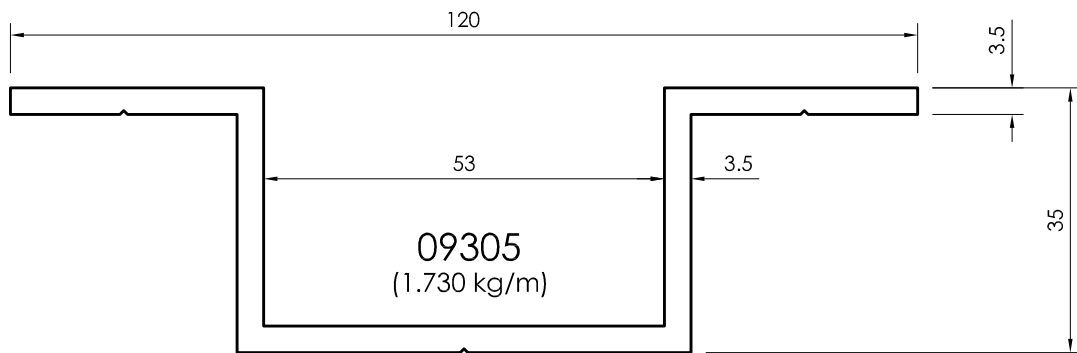
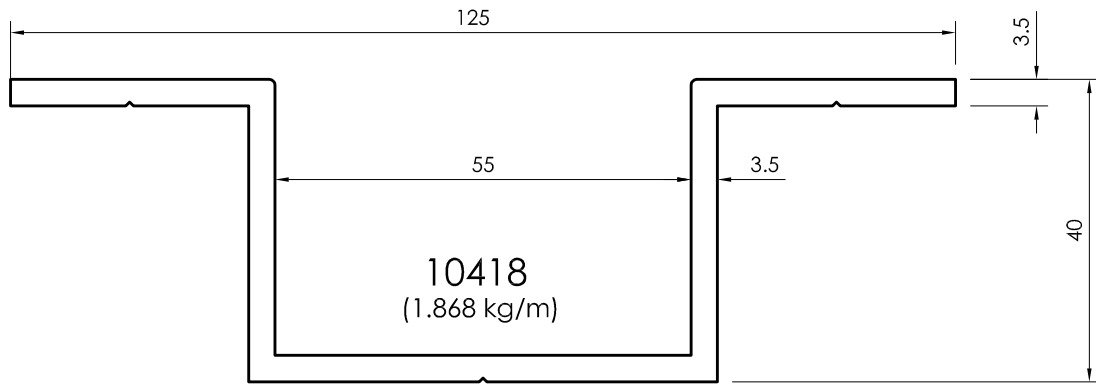
11510
(0.923 kg/m)



10452
(0.306 kg/m)

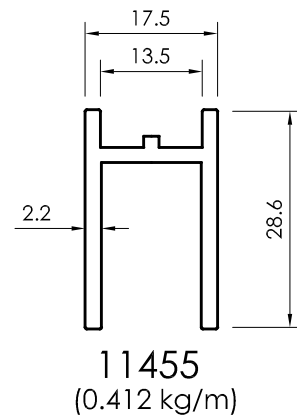
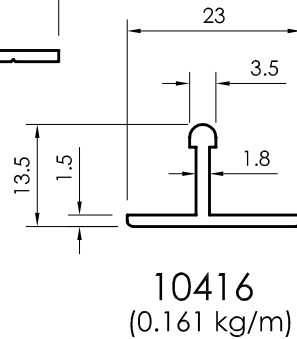
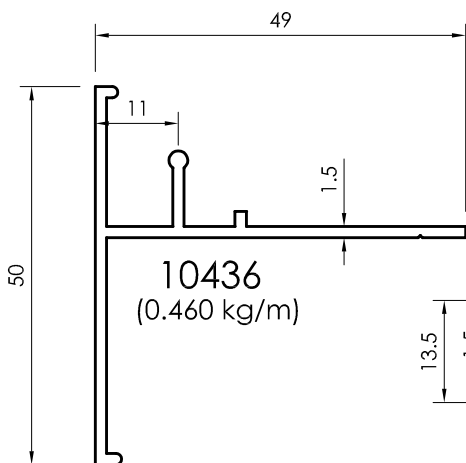
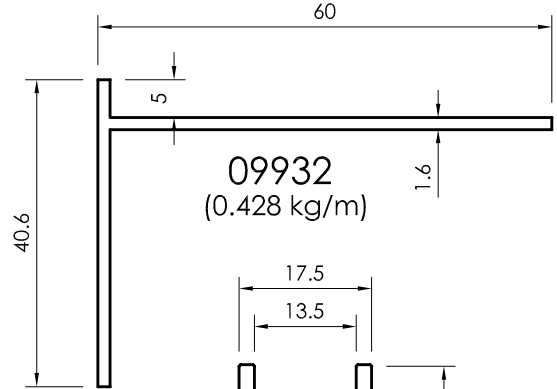
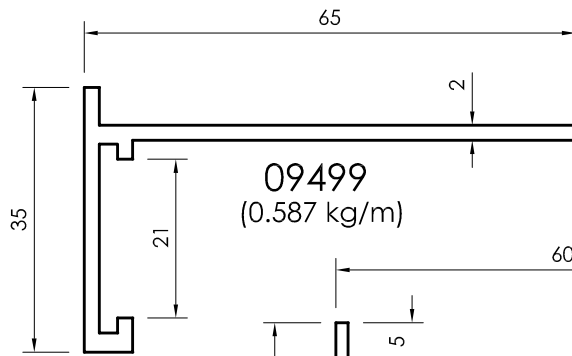
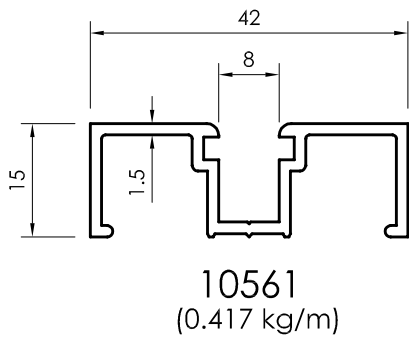
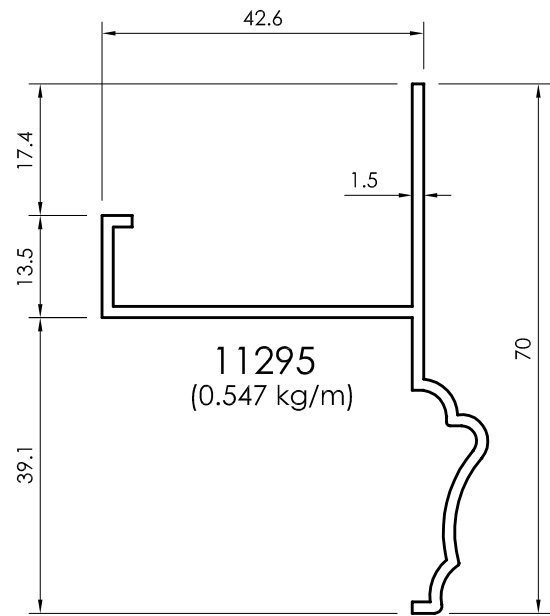
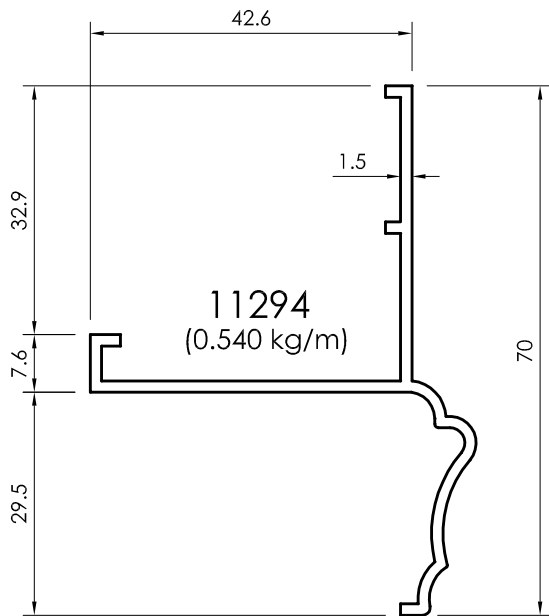
All dimensions in mm
----- Visible area

Miscellaneous



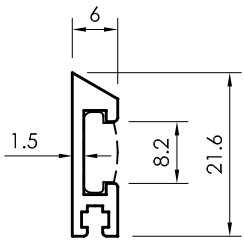
All dimensions in mm
Visible area_-----

Miscellaneous

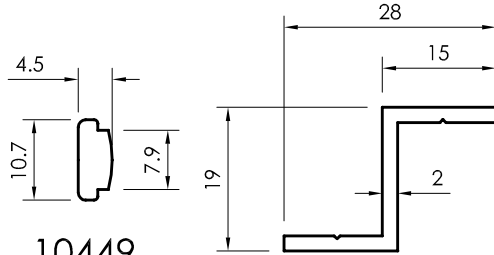


All dimensions in mm
----- Visible area

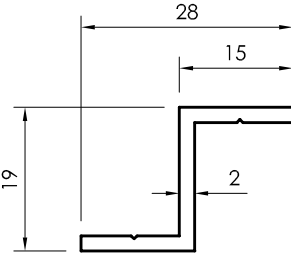
Miscellaneous



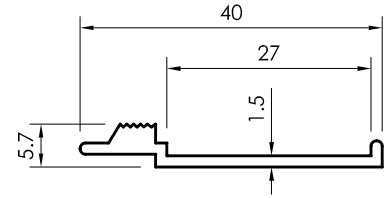
10836
(0.168 kg/m)



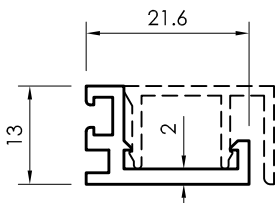
10449
(0.110 kg/m)



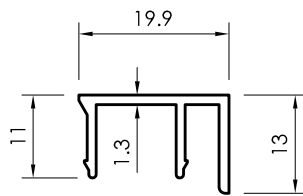
09339
(0.245 kg/m)



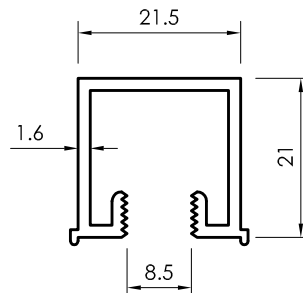
09086
(0.225 kg/m)



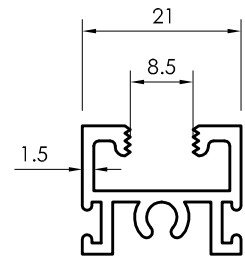
10829
(0.218 kg/m)



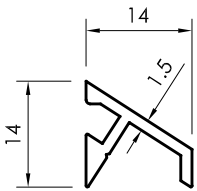
10830
(0.174 kg/m)



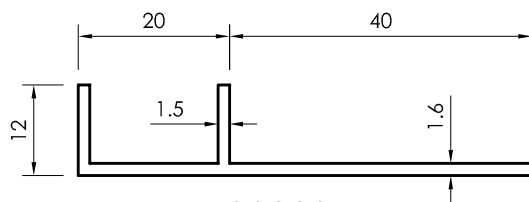
09270
(0.355 kg/m)



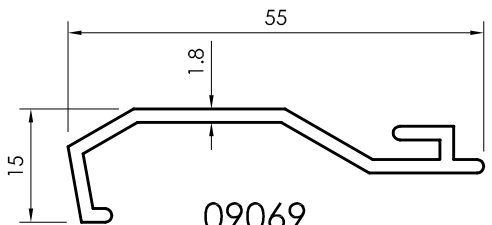
09355
(0.380 kg/m)



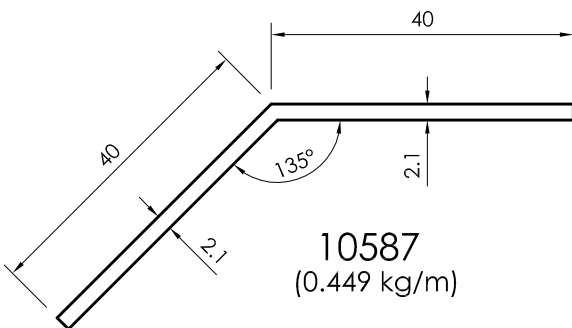
09803
(0.134 kg/m)



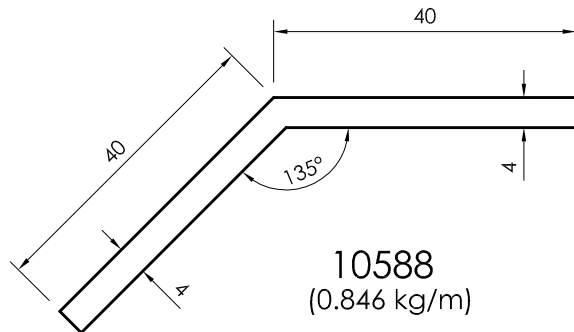
09080
(0.344 kg/m)



09069
(0.402 kg/m)



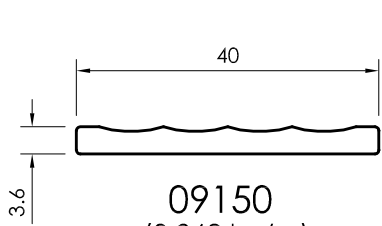
10587
(0.449 kg/m)



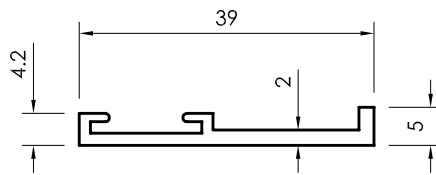
10588
(0.846 kg/m)

All dimensions in mm
Visible area_____

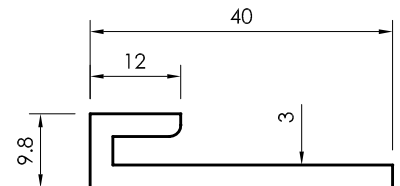
Miscellaneous



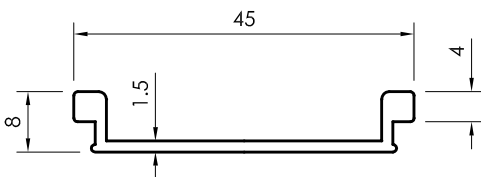
09150
(0.362 kg/m)



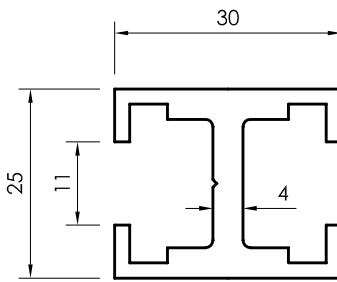
09176
(0.256 kg/m)



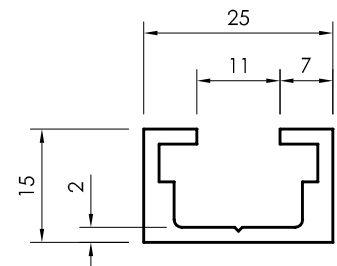
09171
(0.500 kg/m)



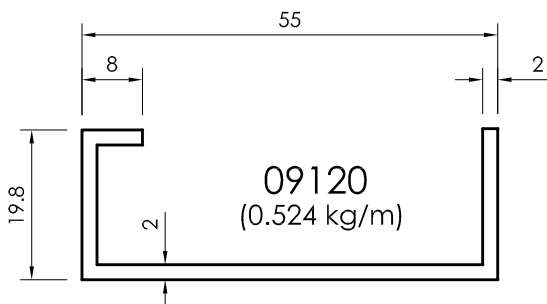
09115
(0.274 kg/m)



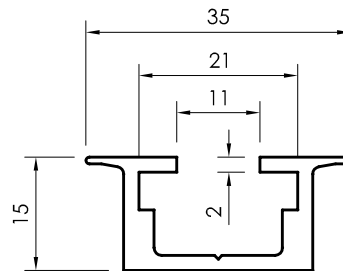
09267
(0.802 kg/m)



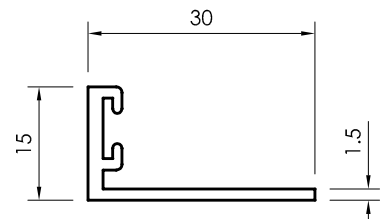
09266
(0.401 kg/m)



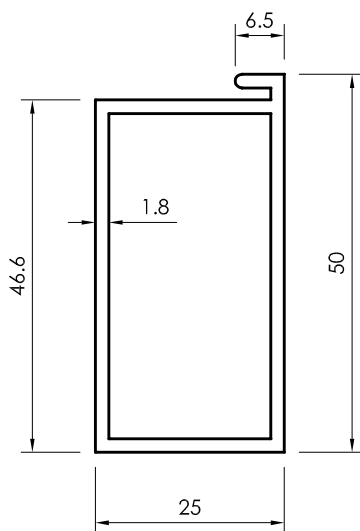
09120
(0.524 kg/m)



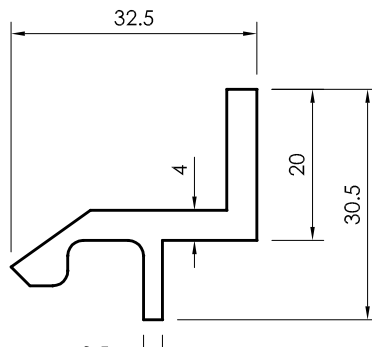
09268
(0.431 kg/m)



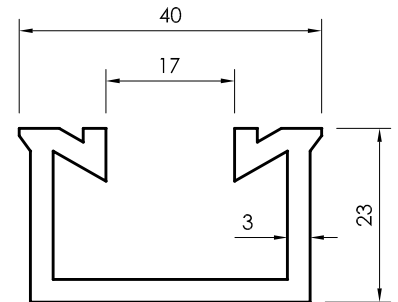
09092
(0.228 kg/m)



12072
(0.700 kg/m)



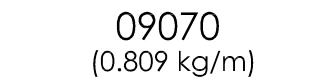
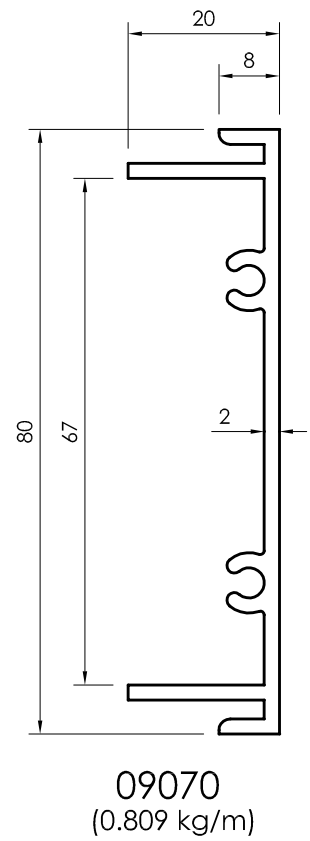
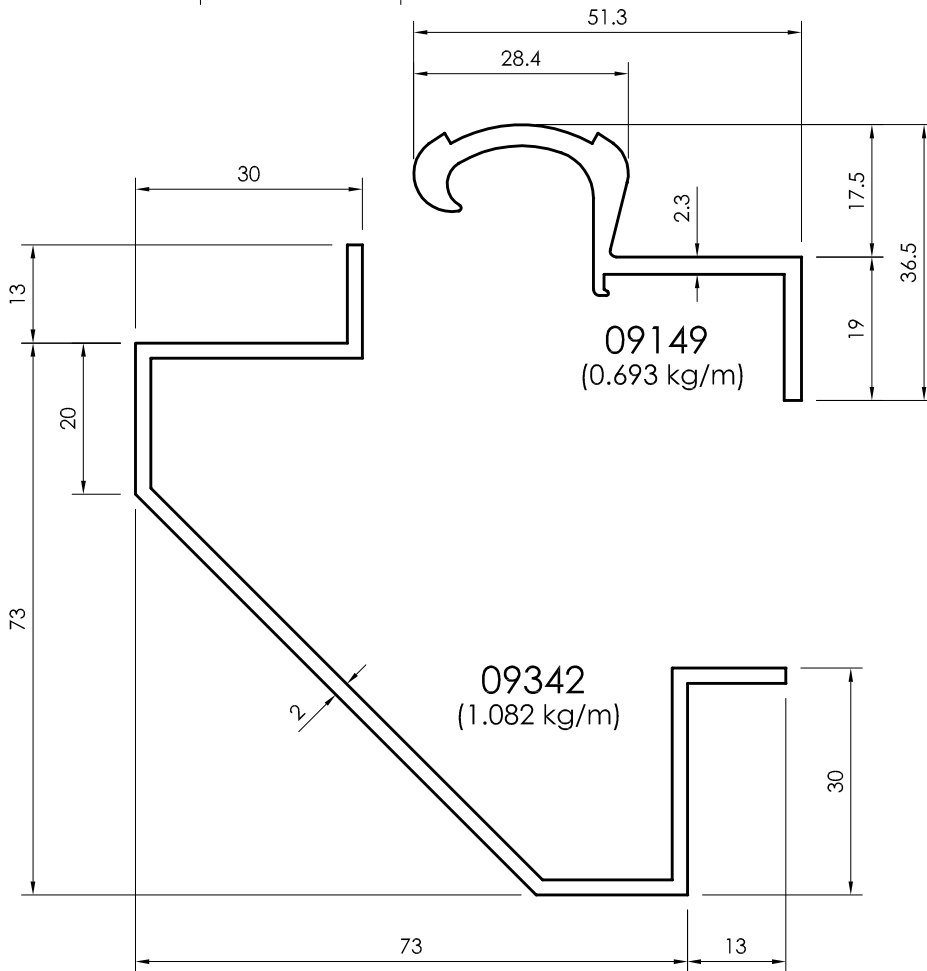
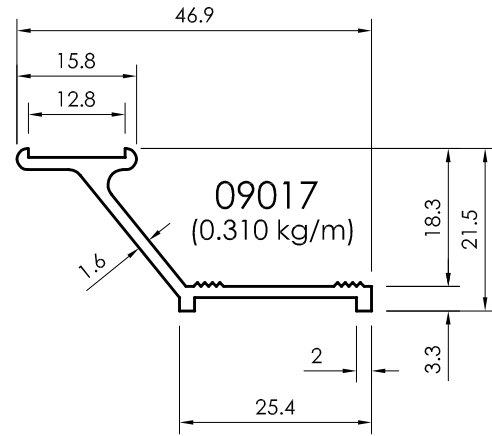
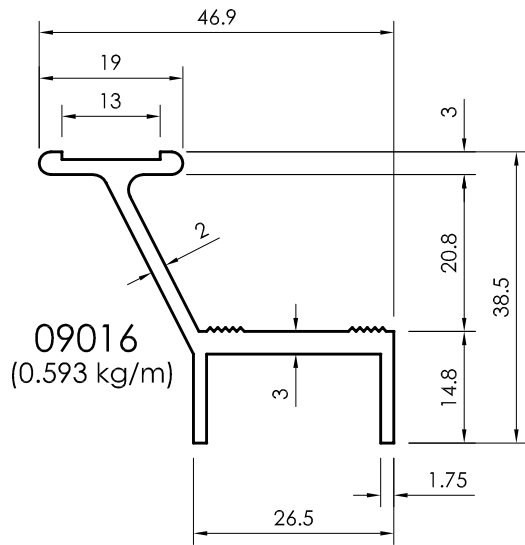
09486
(0.610 kg/m)



09137
(0.816 kg/m)

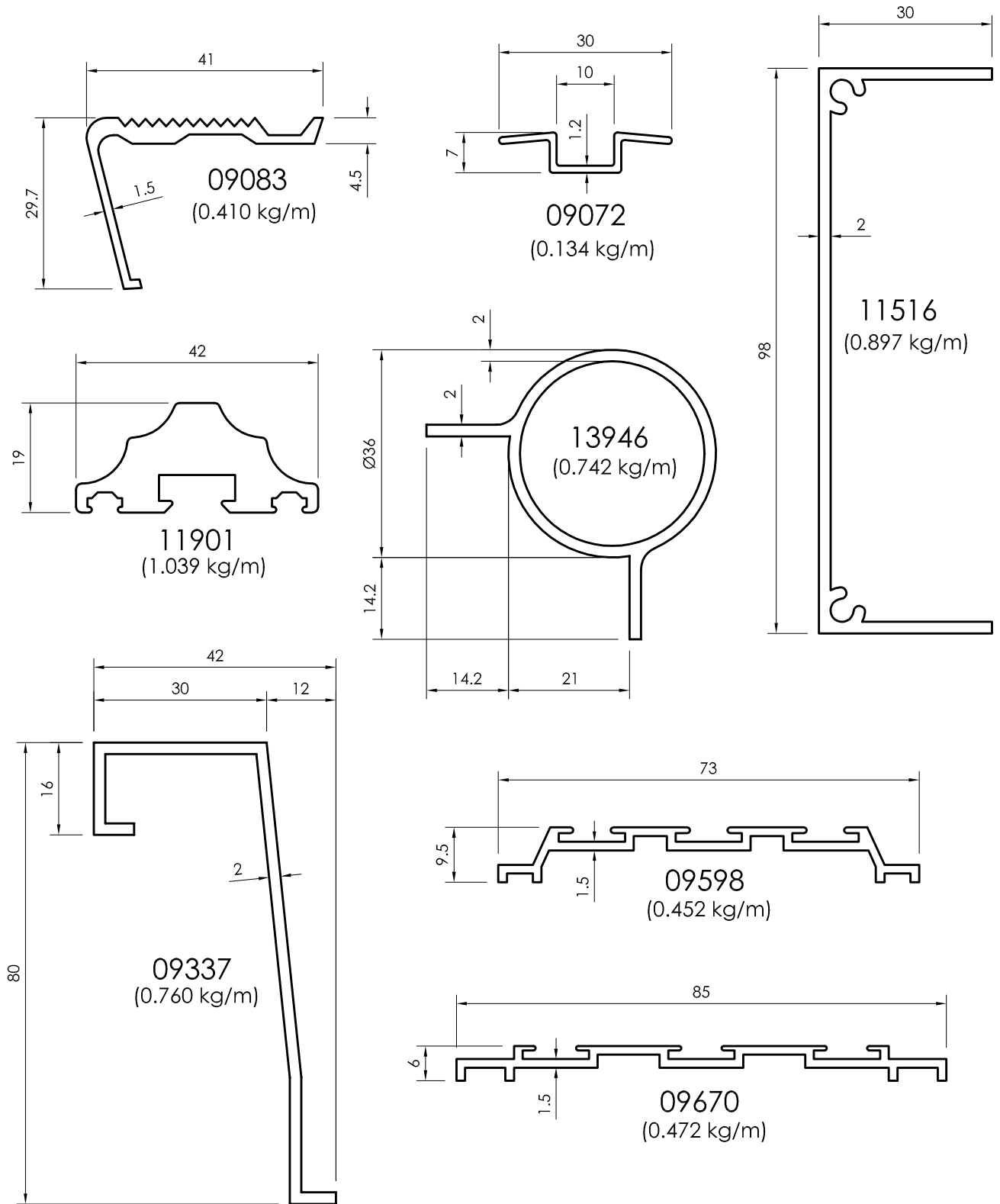
All dimensions in mm
----- Visible area

Miscellaneous



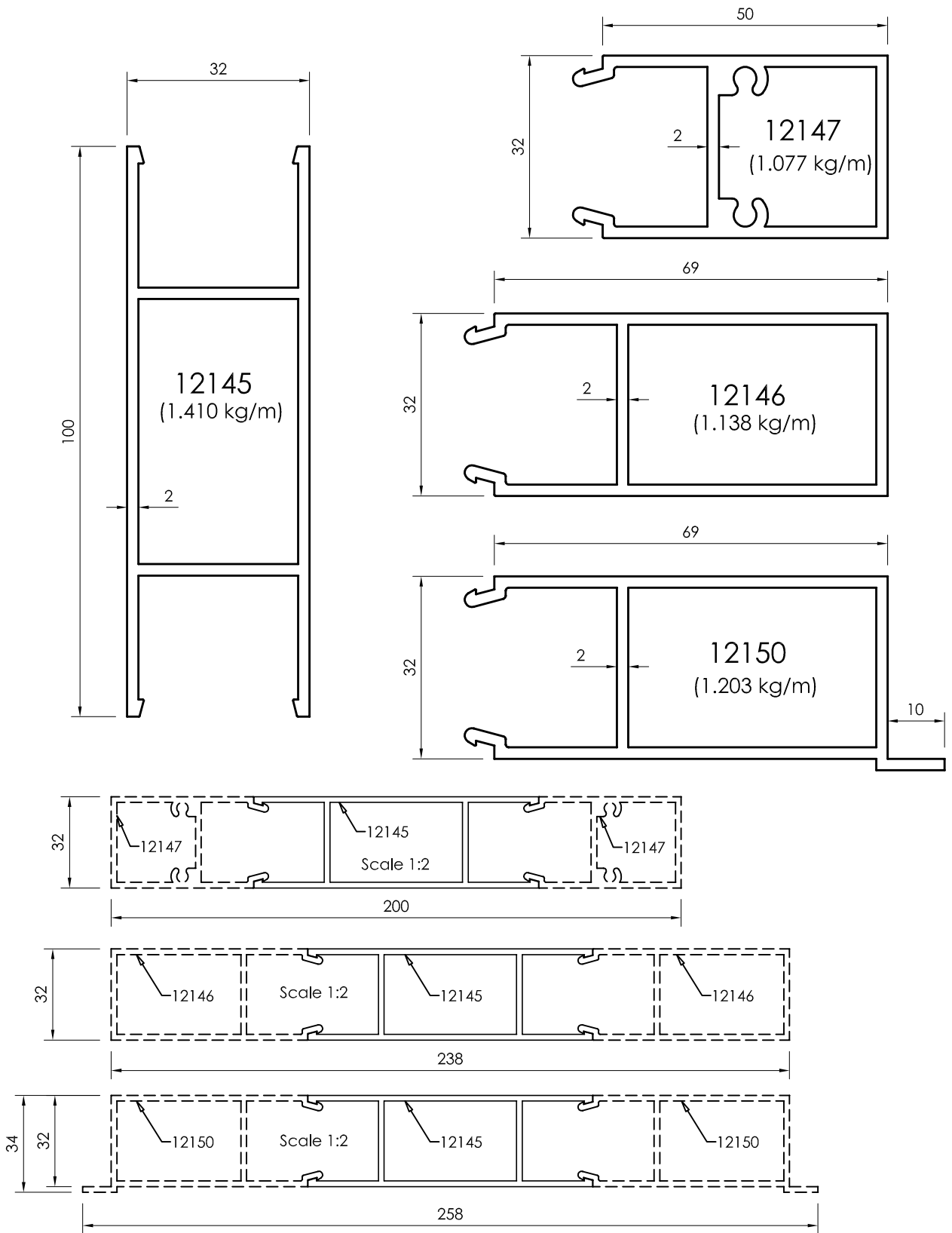
All dimensions in mm
Visible area_-----

Miscellaneous



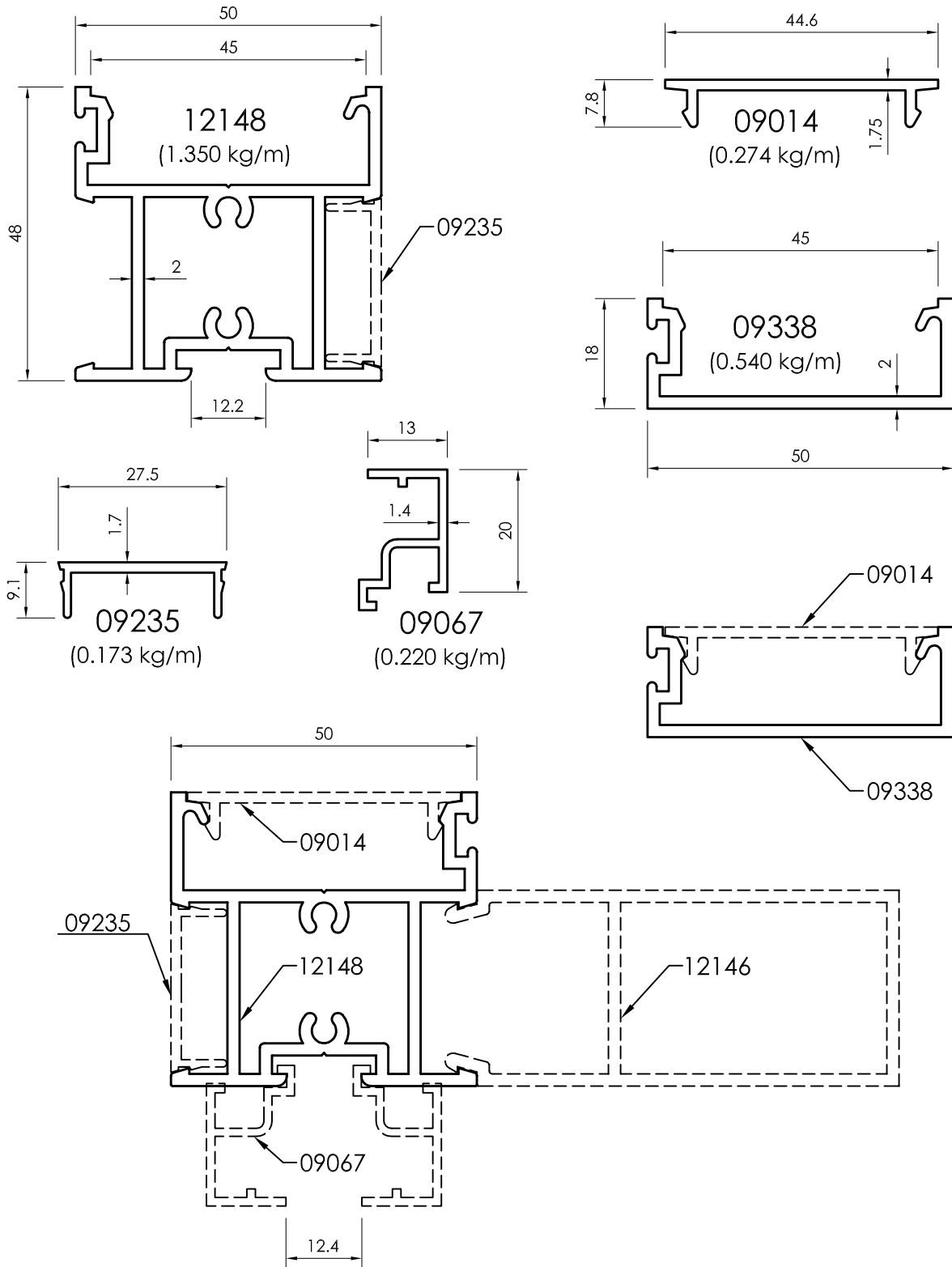
All dimensions in mm
 - - - - - Visible area

Miscellaneous



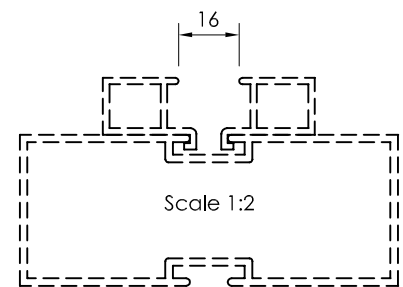
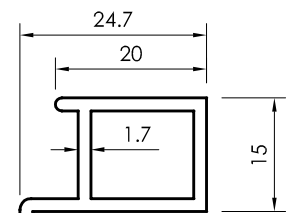
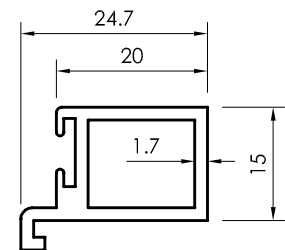
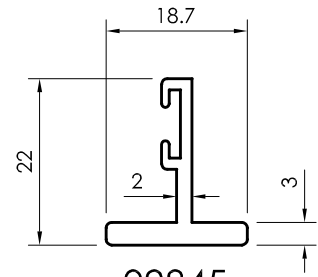
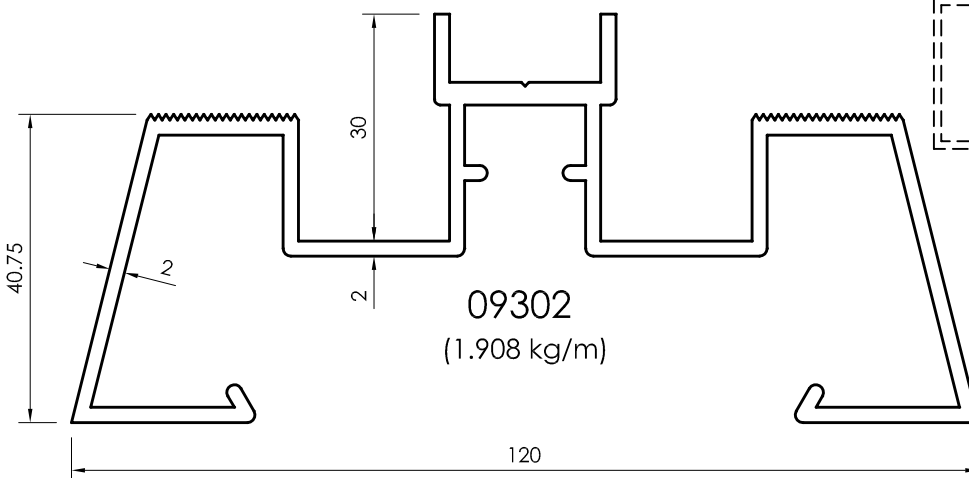
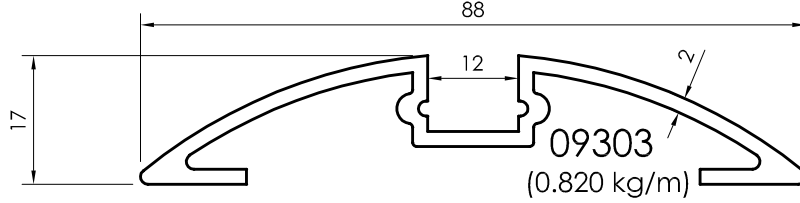
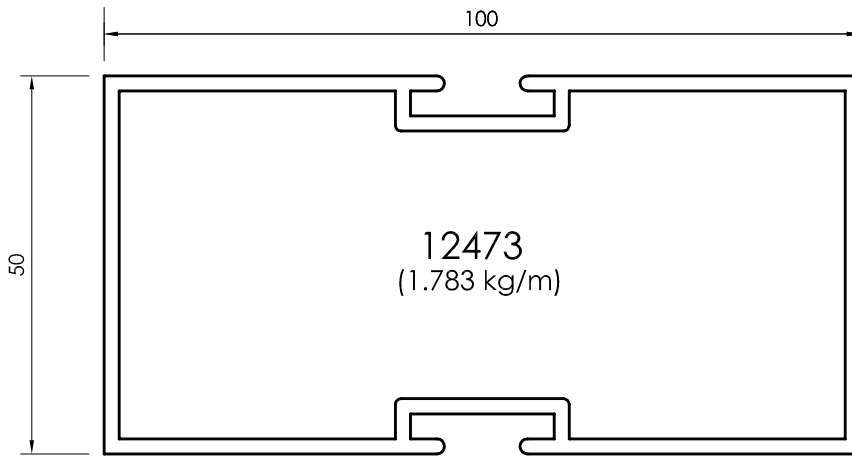
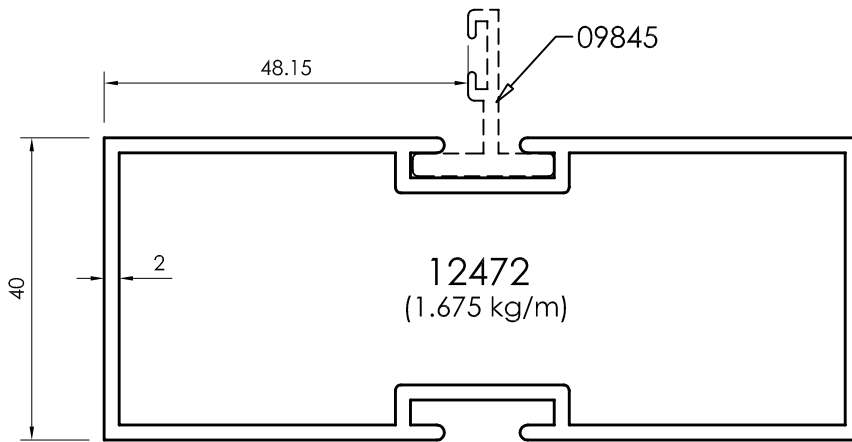
All dimensions in mm
Visible area_-----

Miscellaneous



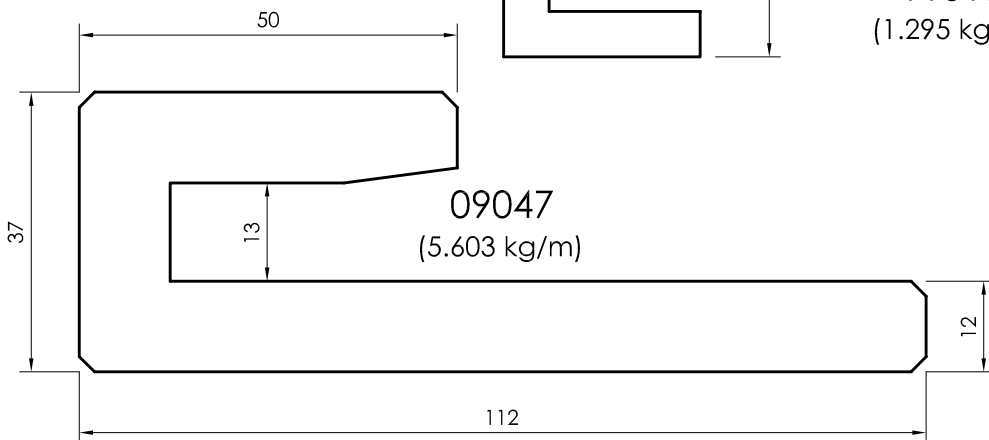
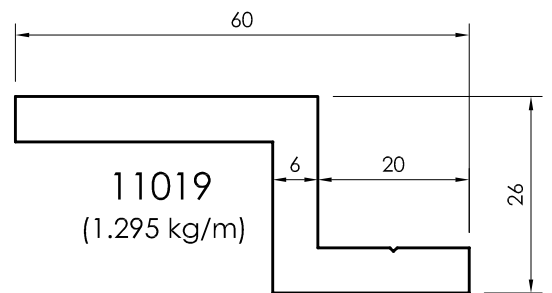
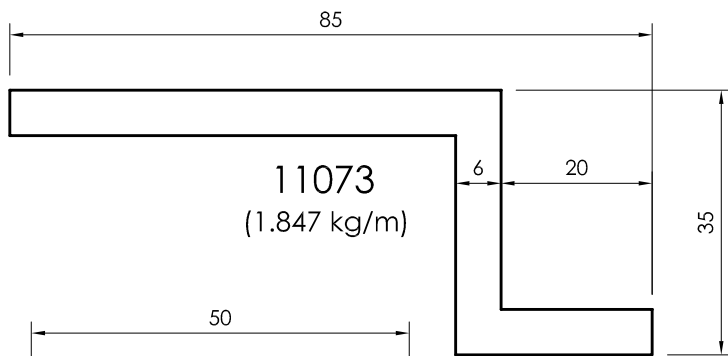
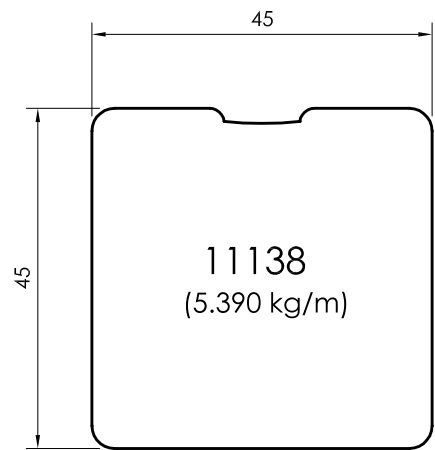
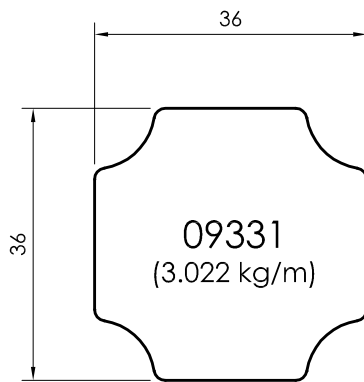
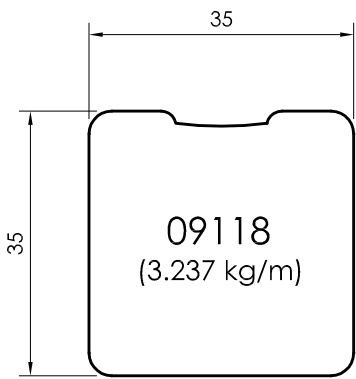
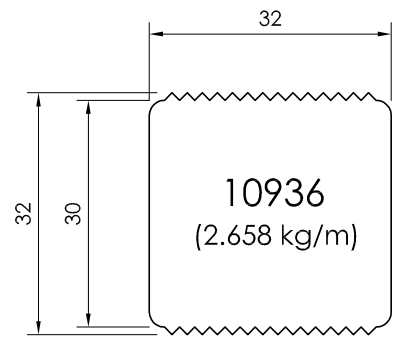
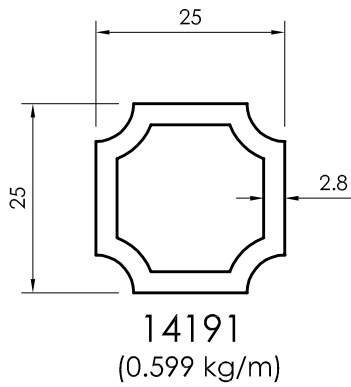
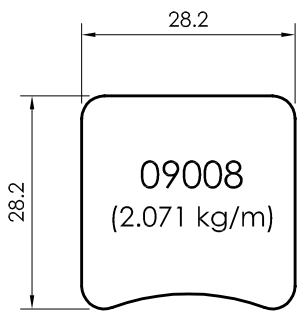
All dimensions in mm
 ----- Visible area

Miscellaneous



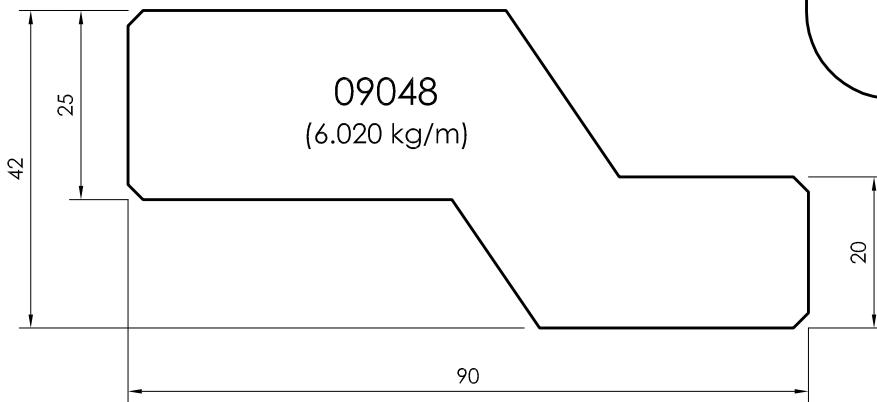
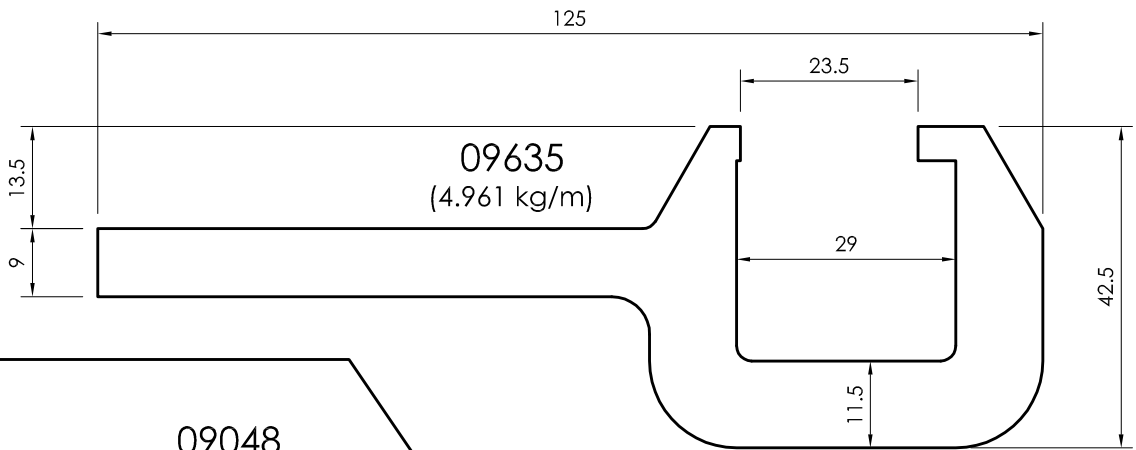
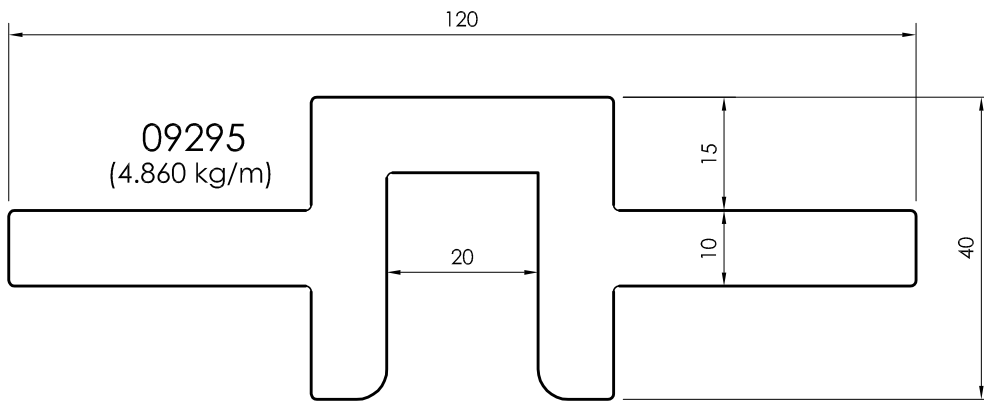
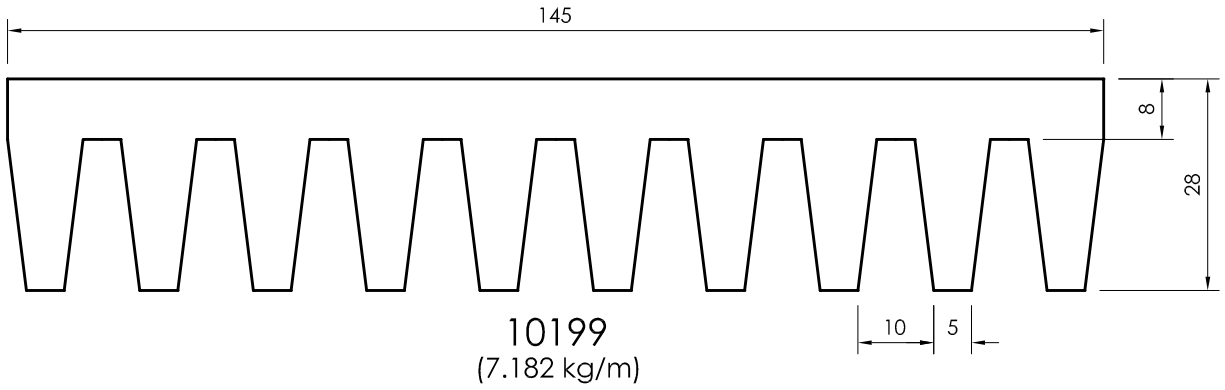
All dimensions in mm
Visible area_____

Miscellaneous



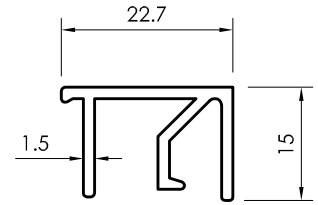
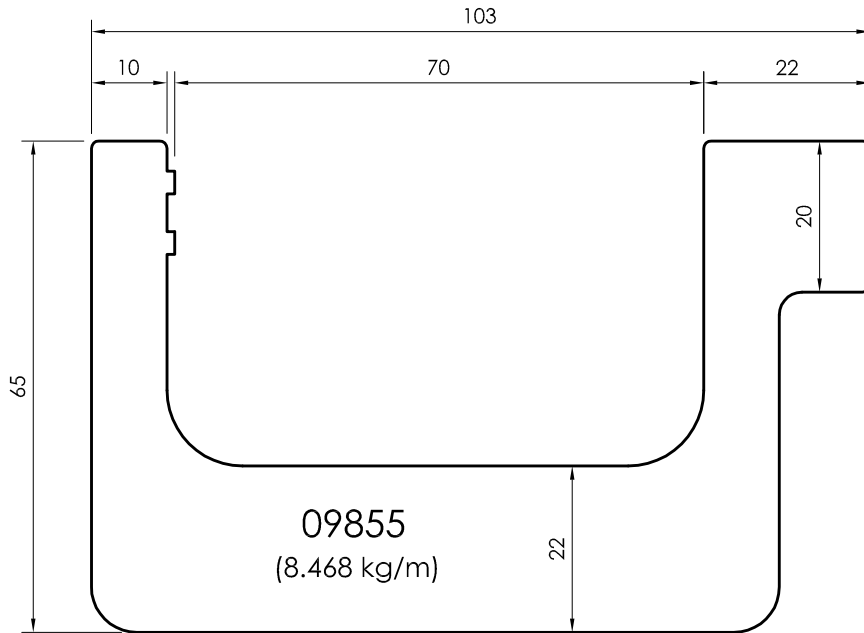
All dimensions in mm
----- Visible area

Miscellaneous

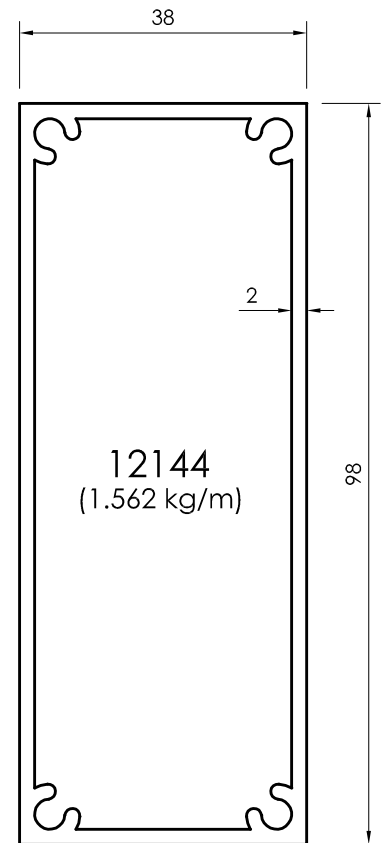
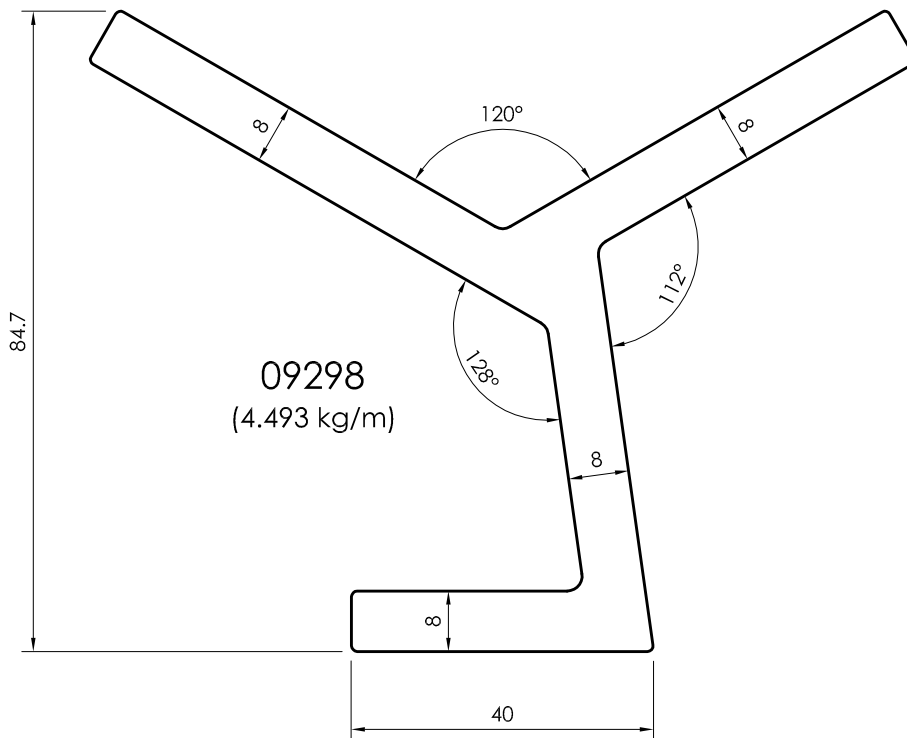


All dimensions in mm
Visible area_-----

Miscellaneous

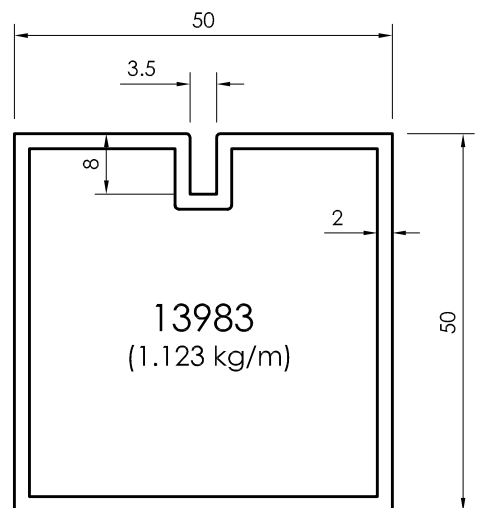
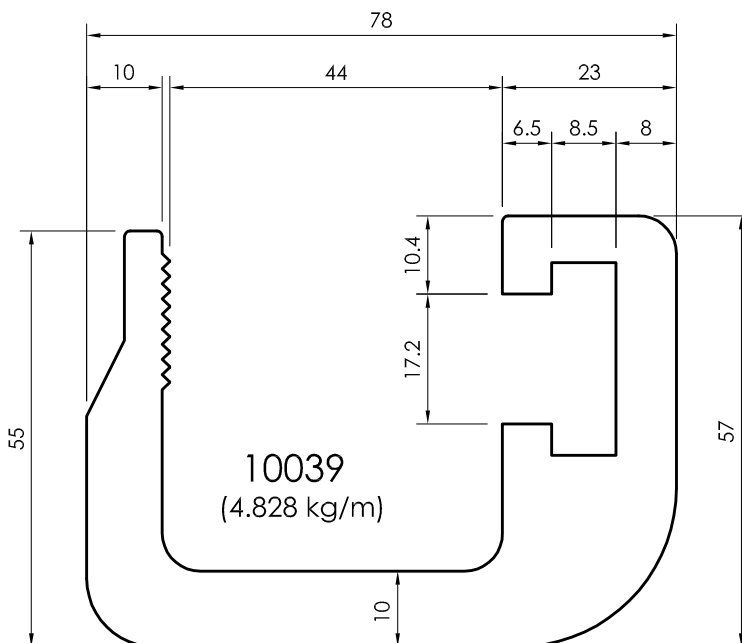
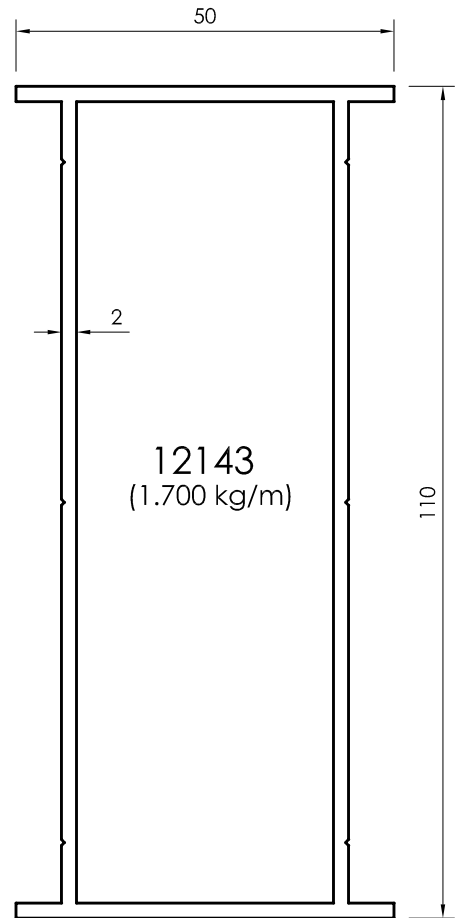
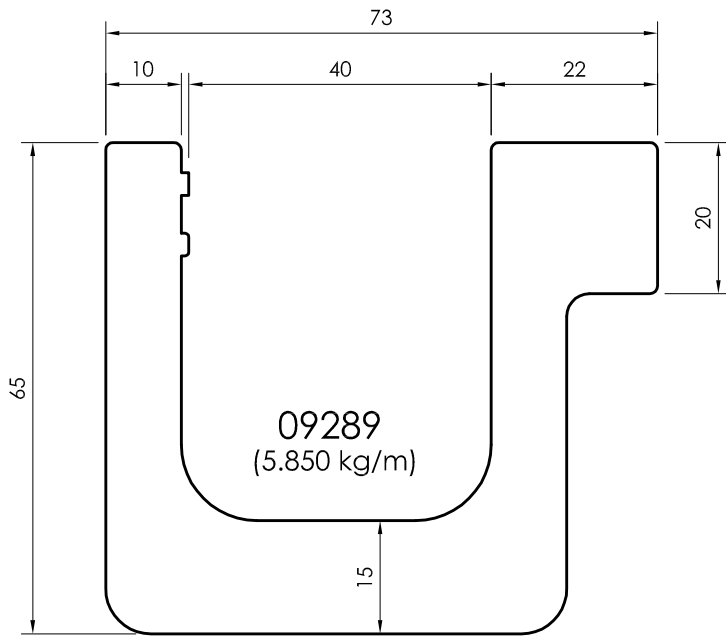


09386
(0.273 kg/m)



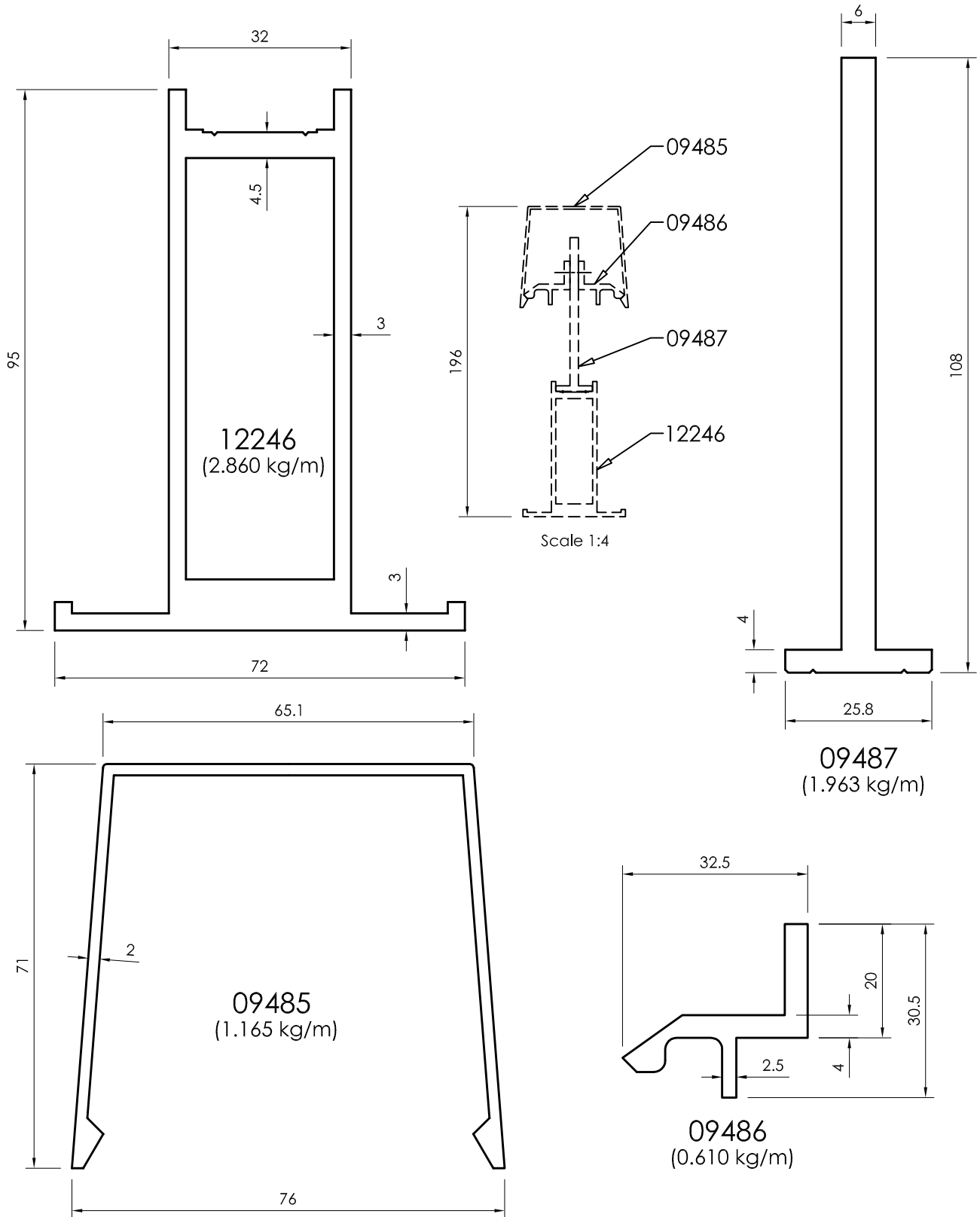
All dimensions in mm
----- Visible area

Miscellaneous



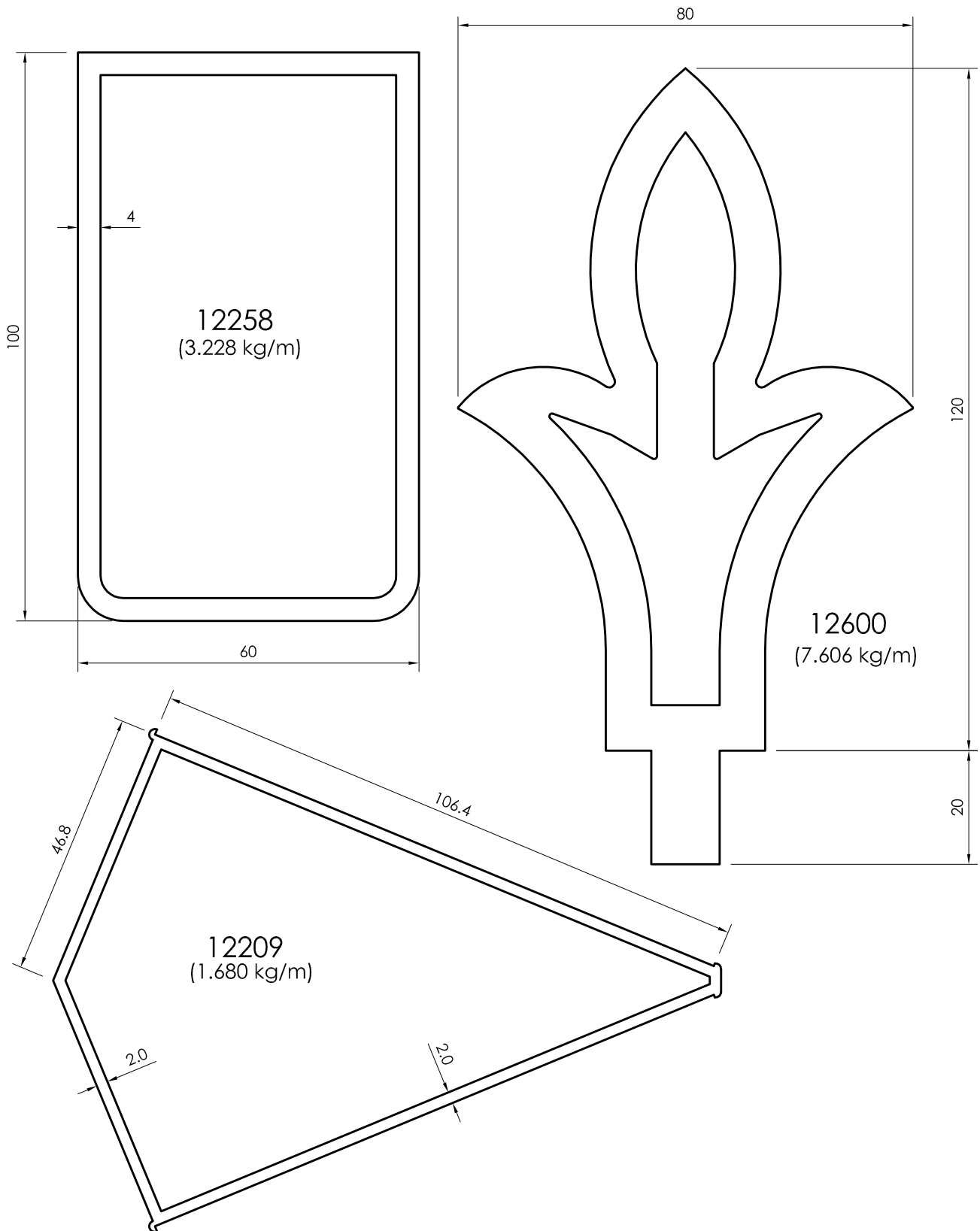
All dimensions in mm
Visible area_-----

Miscellaneous



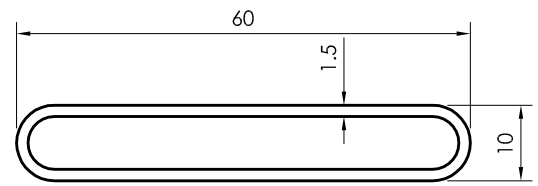
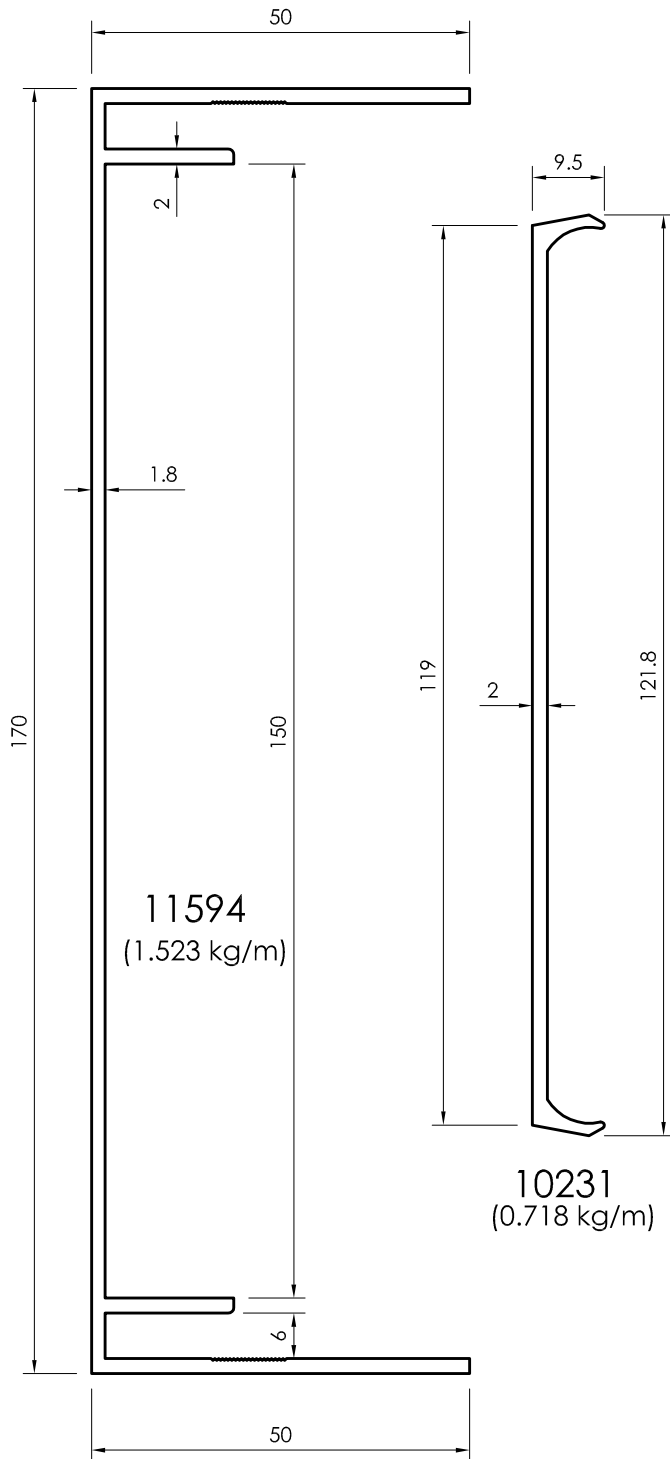
All dimensions in mm
 - - - - - Visible area

Miscellaneous

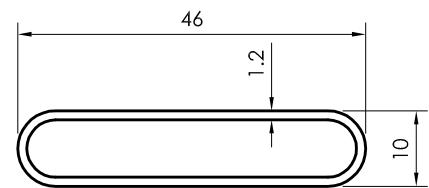


All dimensions in mm
Visible area_____

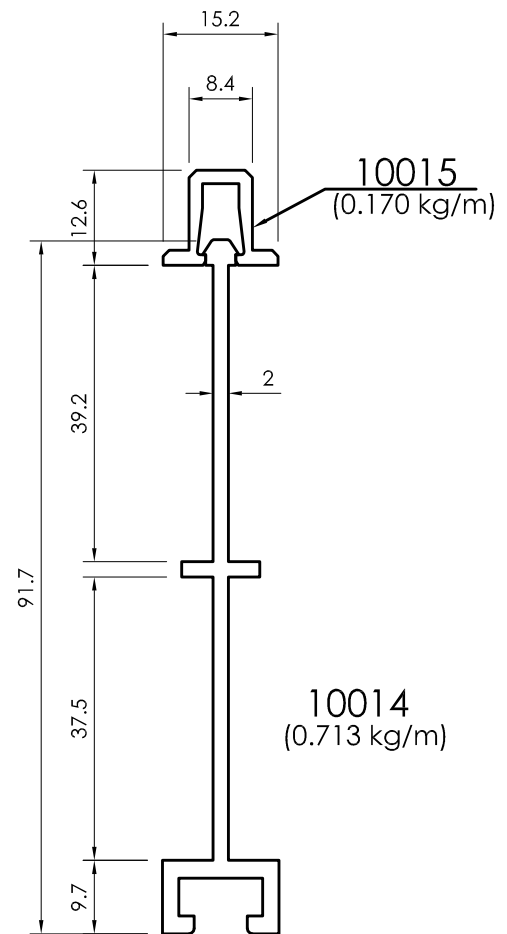
Miscellaneous



13316
(0.513 kg/m)

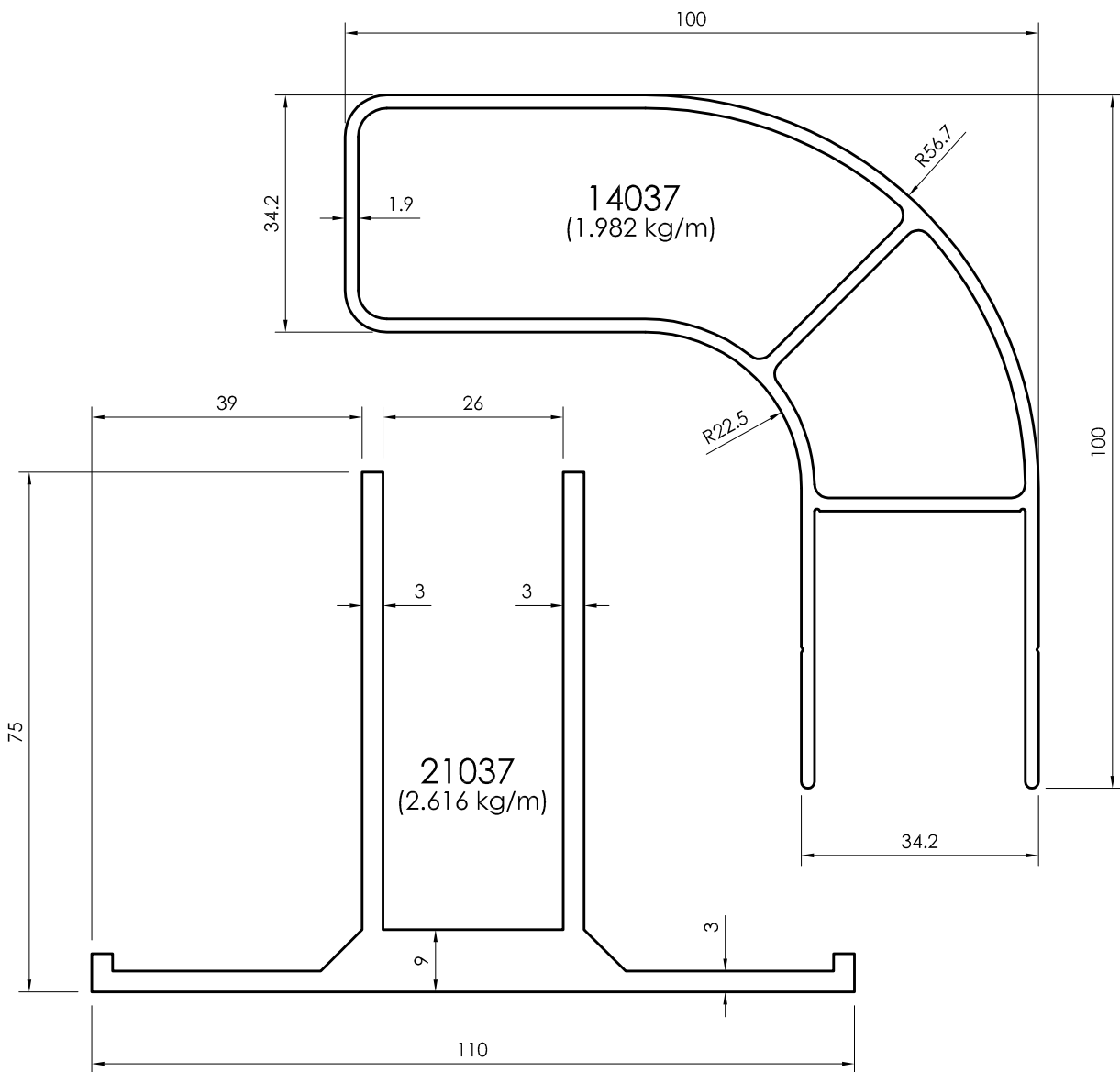
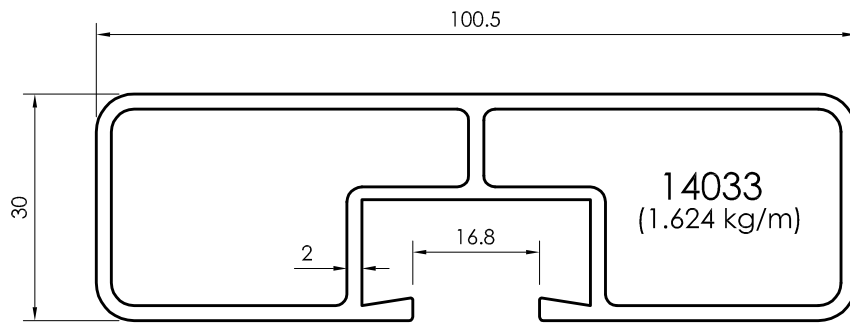


14146
(0.323 kg/m)



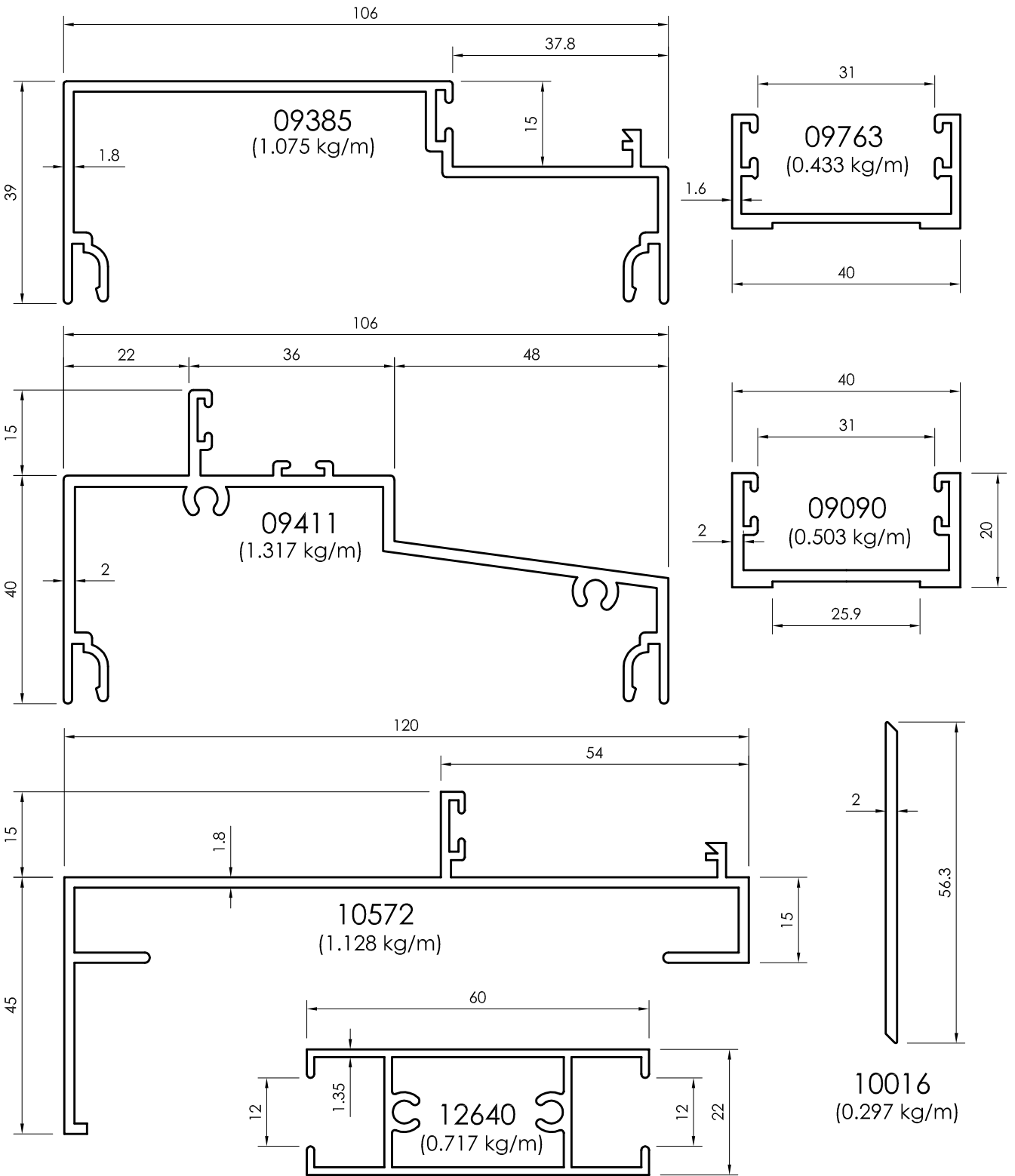
All dimensions in mm
----- Visible area

Miscellaneous



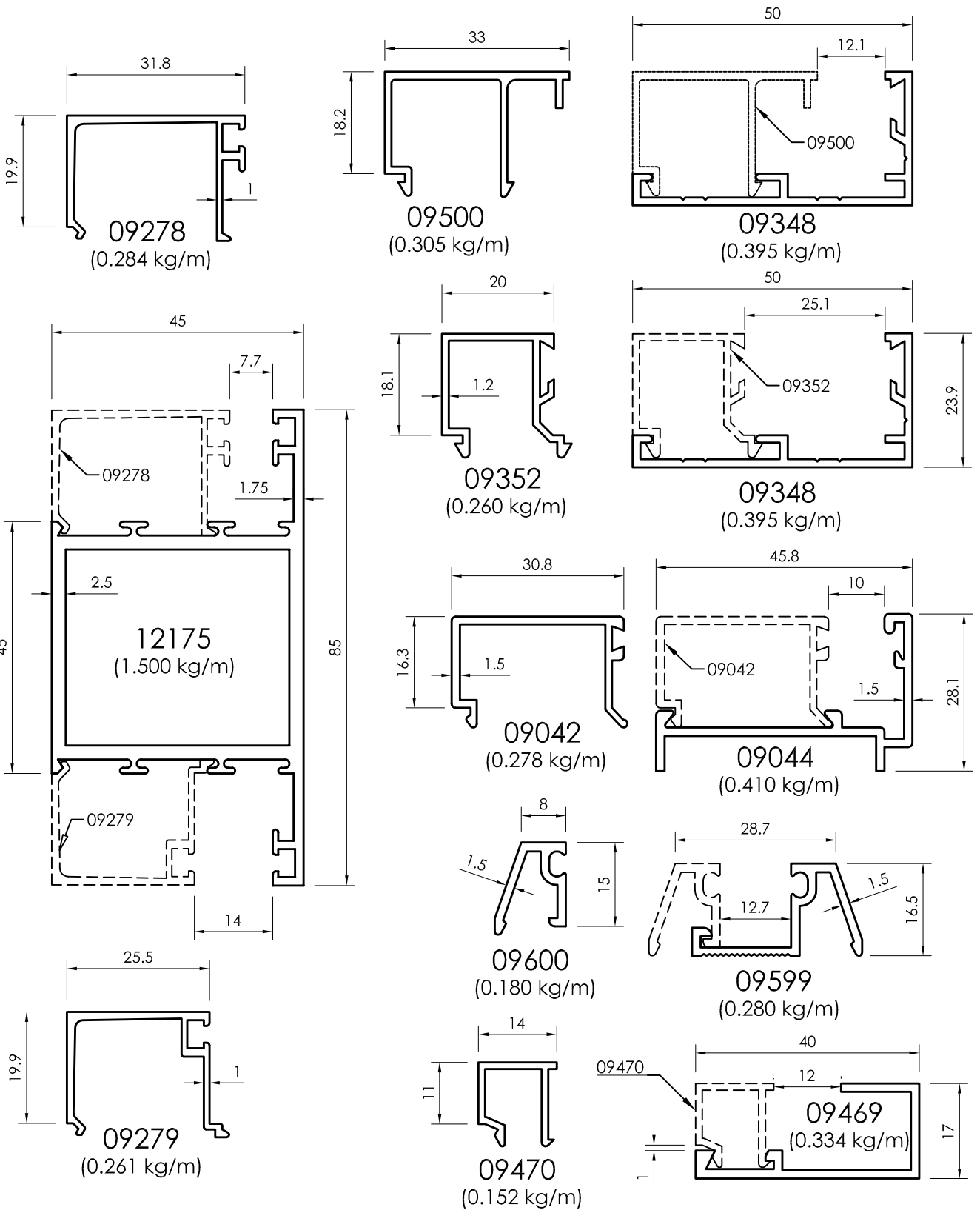
All dimensions in mm
Visible area_-----

Miscellaneous



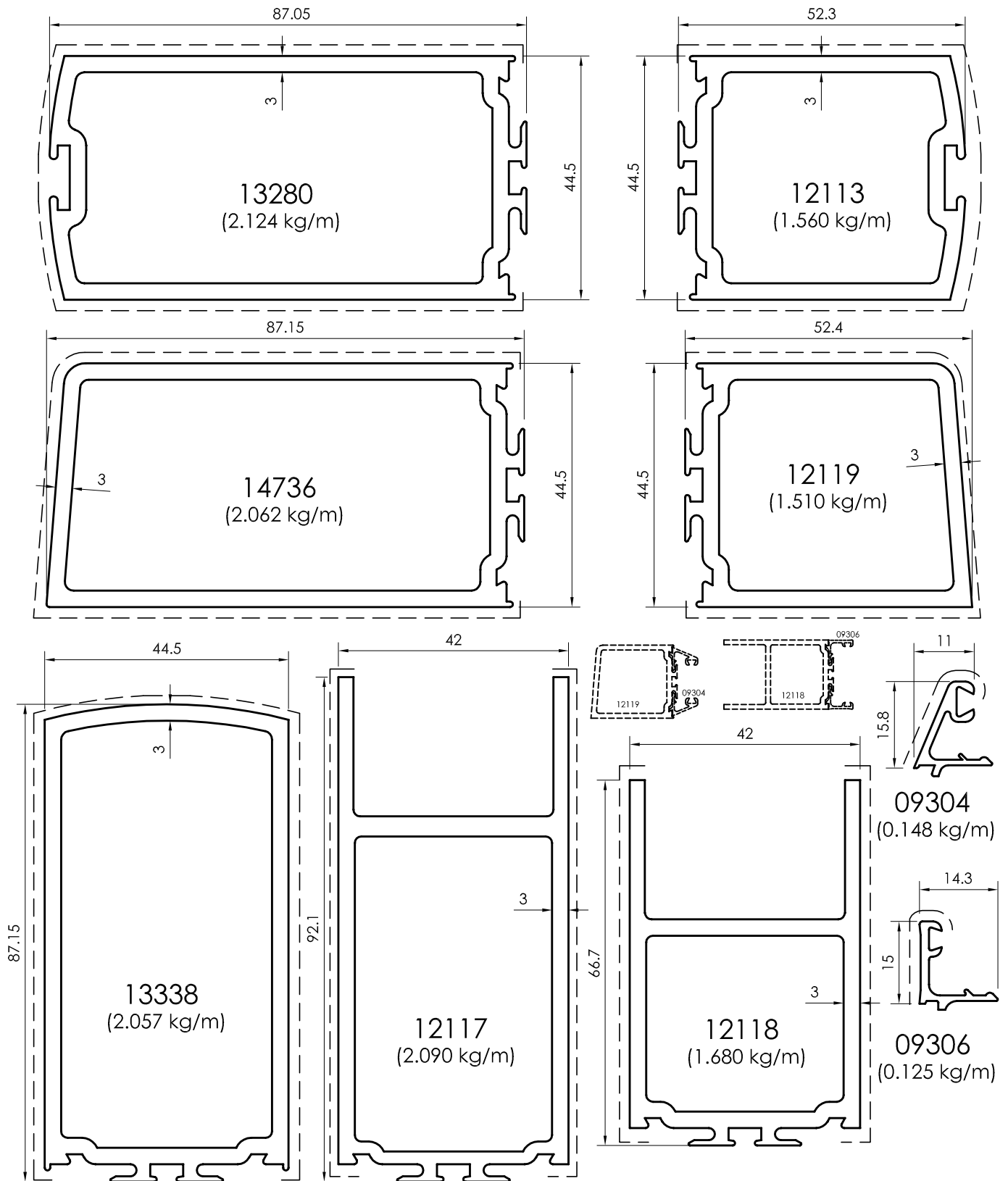
All dimensions in mm
 - - - - - Visible area

Miscellaneous



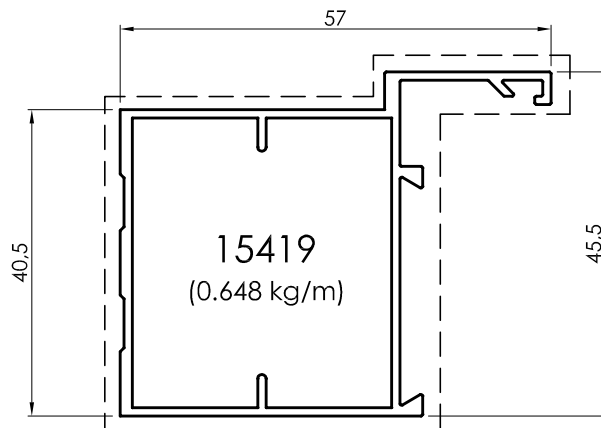
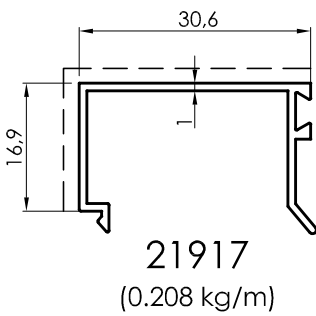
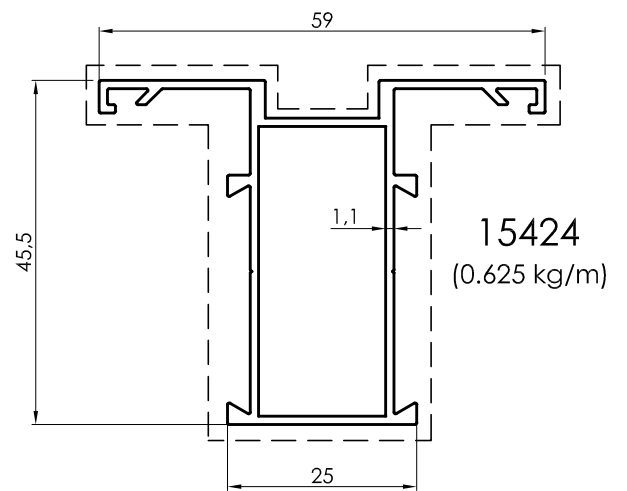
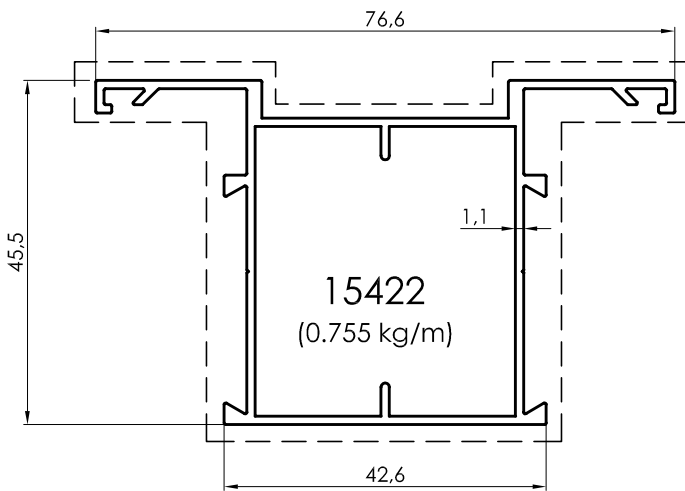
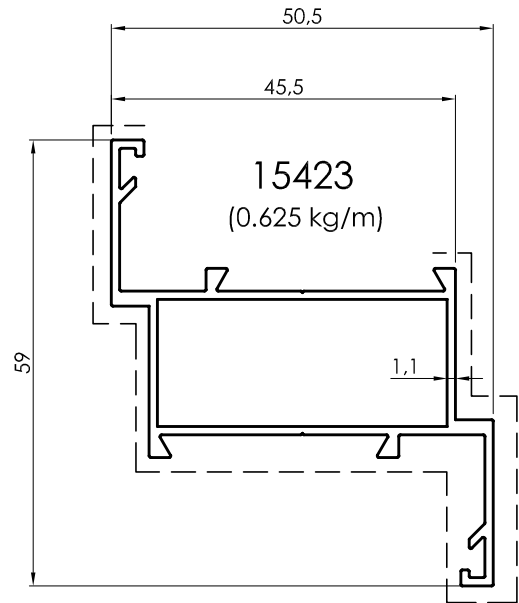
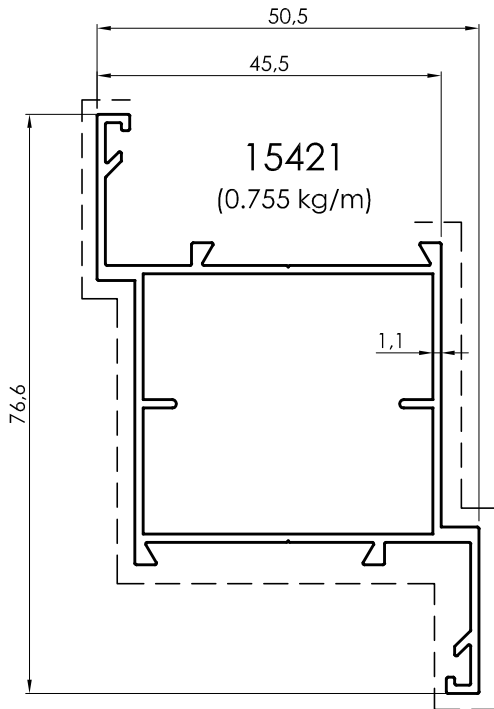
All dimensions in mm
Visible area_____

Hinged Door 44.5mm



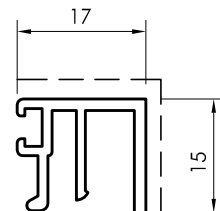
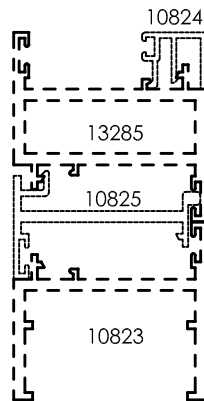
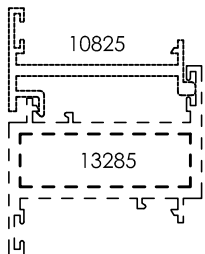
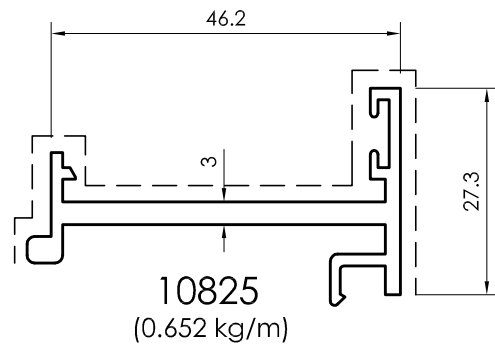
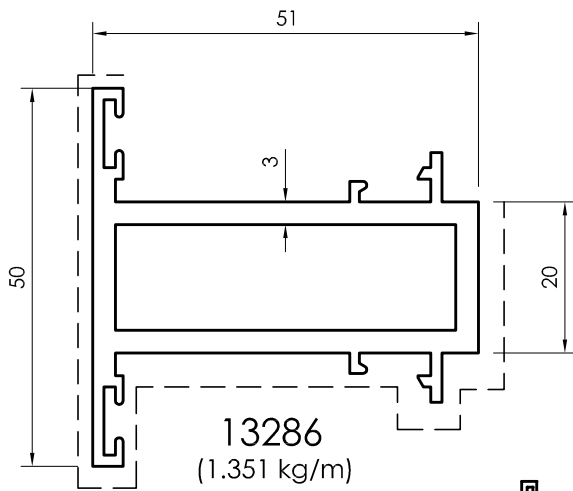
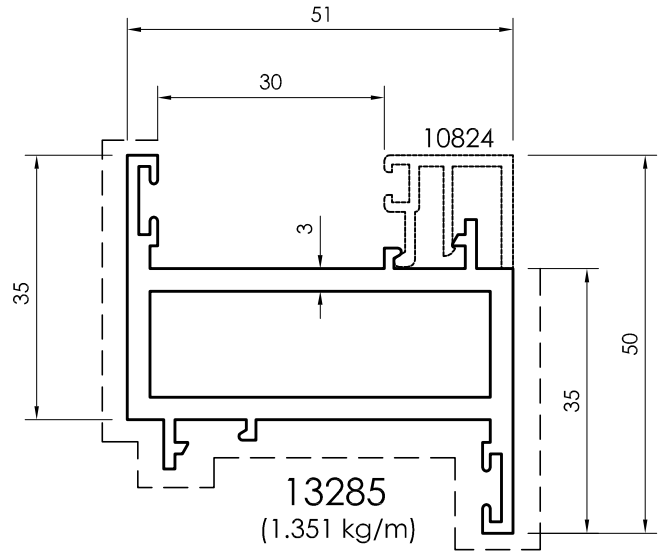
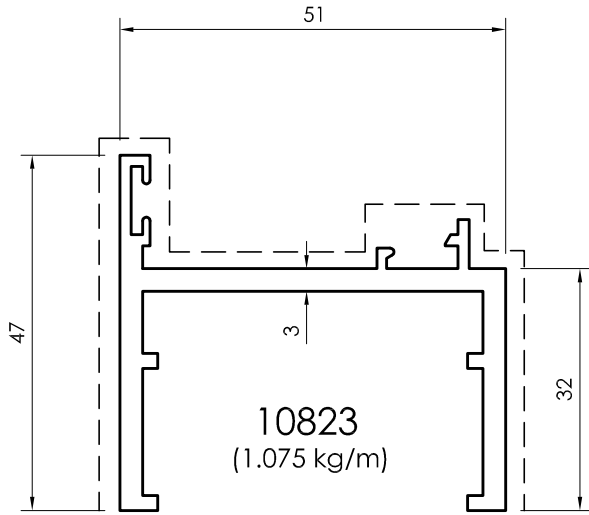
All dimensions in mm
 ----- Visible area

Hinged - 45.5



All dimensions in mm
Visible area_-----

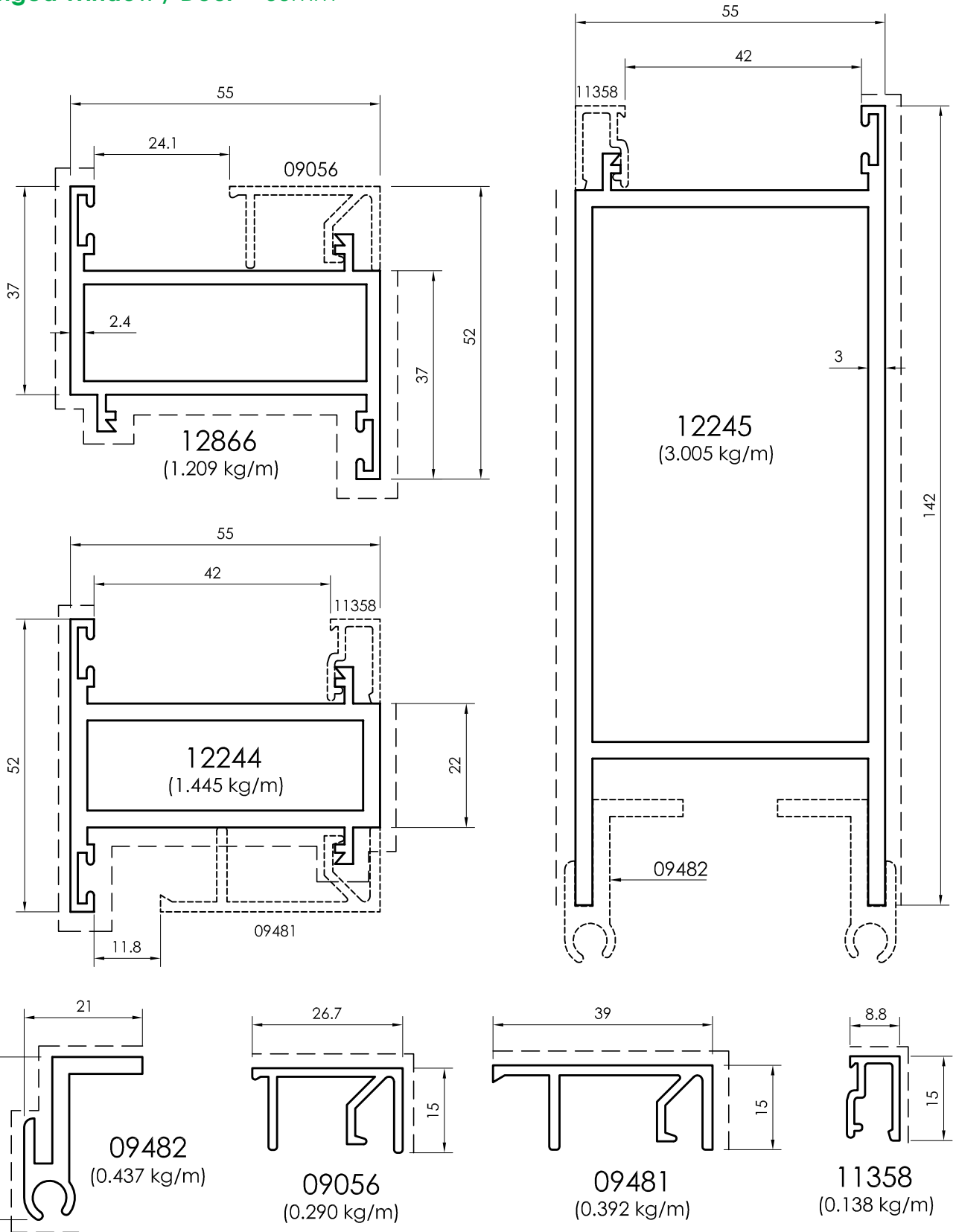
Hinged Window - 51



10824
(0.227 kg/m)

All dimensions in mm
----- Visible area

Hinged Window / Door - 55mm



All dimensions in mm
Visible area_____

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