

GRP DOORS

Technical Manual

HOMEFRAME

REVISION 4.1



Our technical manual covers everything you need to know about GRP doors.

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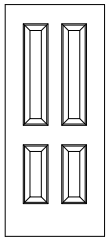
- ▶ Lock
- ▶ Keeps
- ▶ * Cylinder
- ▶ ***Cylinder

- ▶ U Values

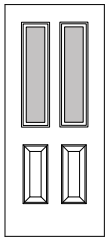


Click on the door style **name** for the dimensions.

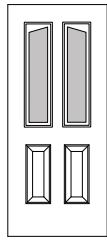
Door Styles



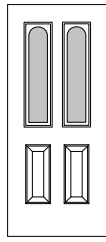
Rome



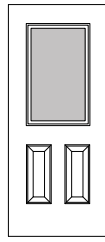
Rome 2



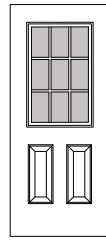
Rome Angle



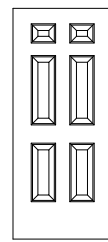
Rome Arch



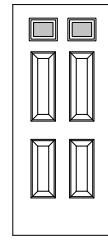
Tuscany



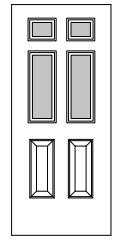
Tuscany Lite



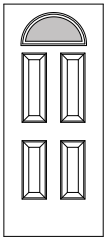
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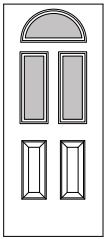
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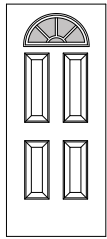
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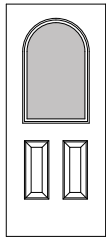
Cannes 1



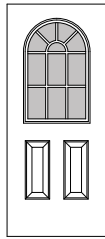
Cannes 3



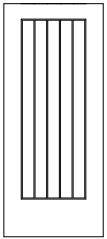
Cannes Lite



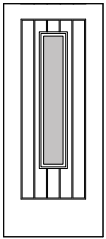
Madeira



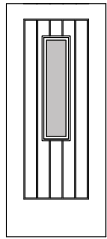
Madeira Lite



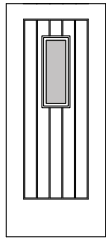
Turin



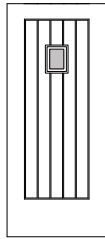
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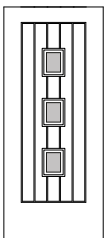
Milan 912



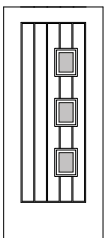
Milan 609



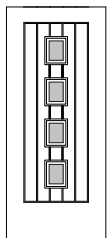
Milan 203



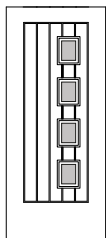
Rotterdam



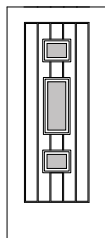
Rotterdam
Left or Right



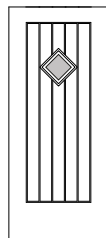
Amsterdam



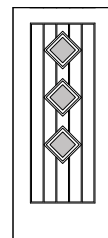
Amsterdam
Left or Right



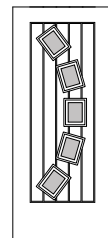
Helsinki



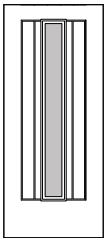
Oslo



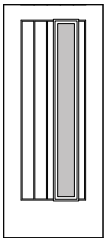
Oslo 3



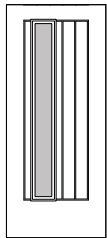
Porto
Left or Right



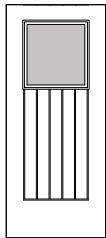
Genoa



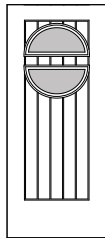
Genoa Right



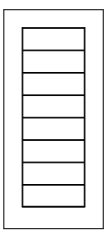
Genoa Left



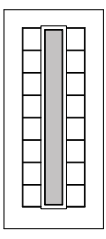
Bonn



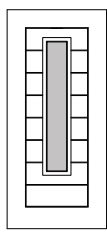
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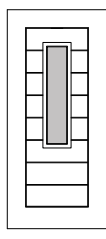
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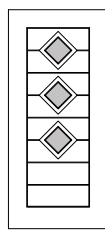
Madrid 1625



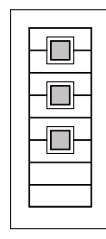
Madrid 1219



Madrid 912



Palma

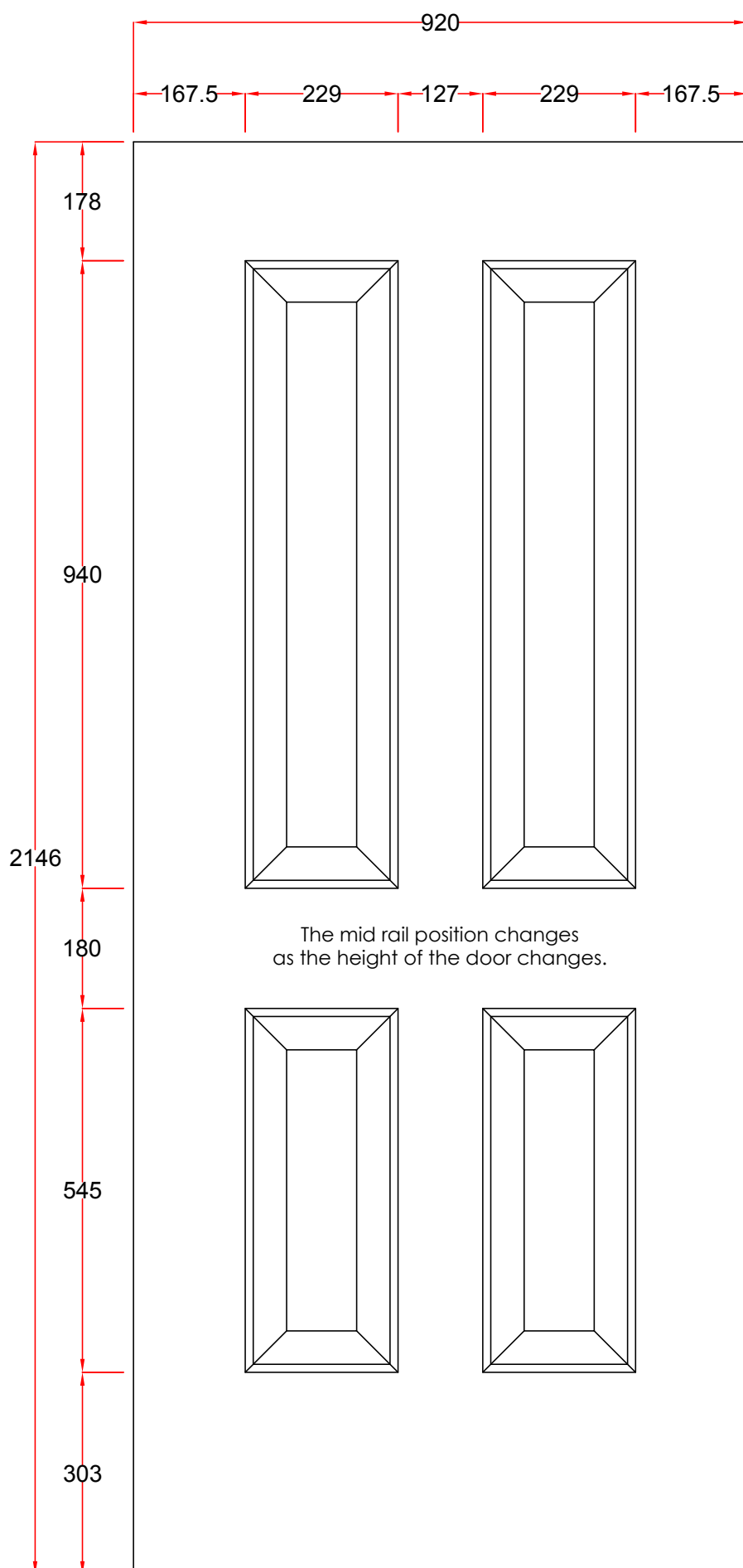


Valencia

Door Blank Type : T4P

Rome

MAX SASH SIZE: 910mm X 2109mm MIN SASH SIZE: 724mm X 1866mm



Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**
52 Threshold: 32mm+4mm air gap = **36mm**
Ali low threshold open IN = 13mm
Ali low threshold open OUT = 13mm
Cill = 30mm

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)

Height

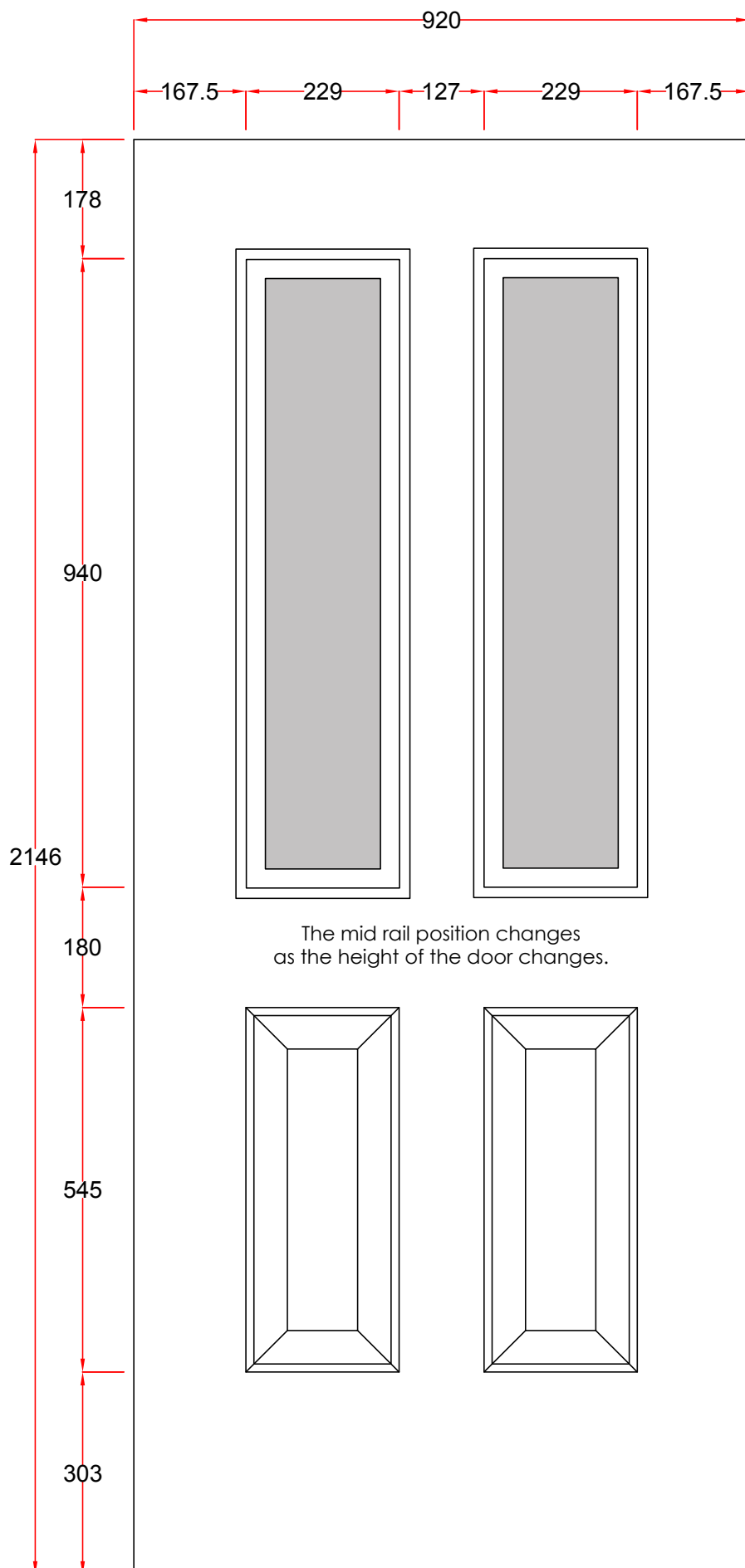
72 Frame low threshold open IN

Max = (Max sash height + 56mm + 13mm)
Min = (Min sash height + 56mm + 13mm)

Door Blank Type : T4P

Rome 2

MAX SASH SIZE: 910mm X 2109mm MIN SASH SIZE: 745mm X 1866mm



Cassette: 0836

Cut Out: 229mm X 940mm

Glass Size: 203mm X 912mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**

52 Threshold: 32mm+4mm air gap = **36mm**

Ali low threshold open IN = 13mm

Ali low threshold open OUT = 13mm

Cill = 30mm

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)

Min = (Min sash width + 56mm + 56mm)

Height

72 Frame low threshold open IN

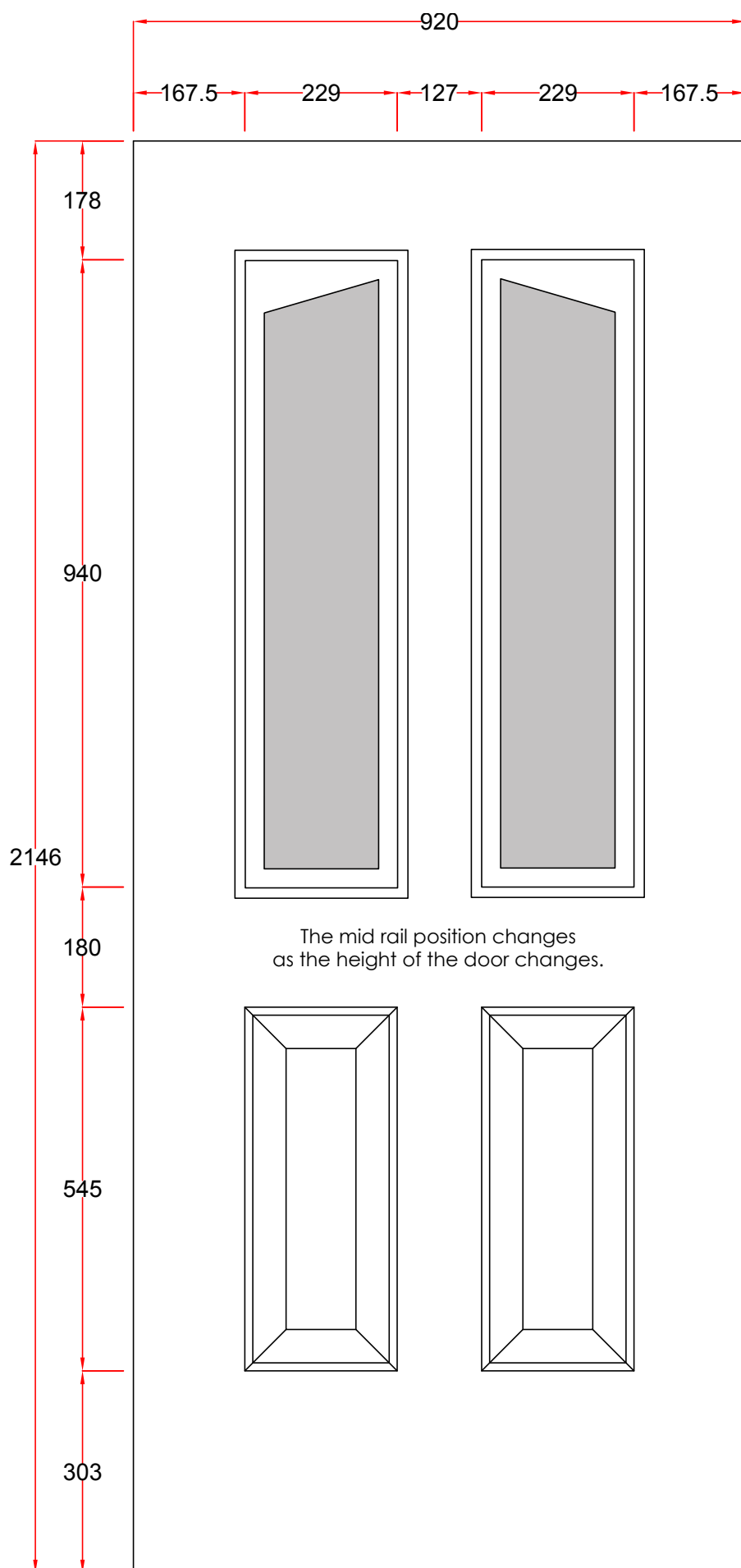
Max = (Max sash height + 56mm + 13mm)

Min = (Min sash height + 56mm + 13mm)

Door Blank Type : T4P

Rome Angle

MAX SASH SIZE: 910mm X 2109mm MIN SASH SIZE: 745mm X 1866mm



Cassette: 0836STL/H & 0836STR/H
Cut Out: 229mm X 940mm
Glass Size: 203mm X 912mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**
52 Threshold: 32mm+4mm air gap = **36mm**
Ali low threshold open IN = 13mm
Ali low threshold open OUT = 13mm
Cill = 30mm

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)

Height

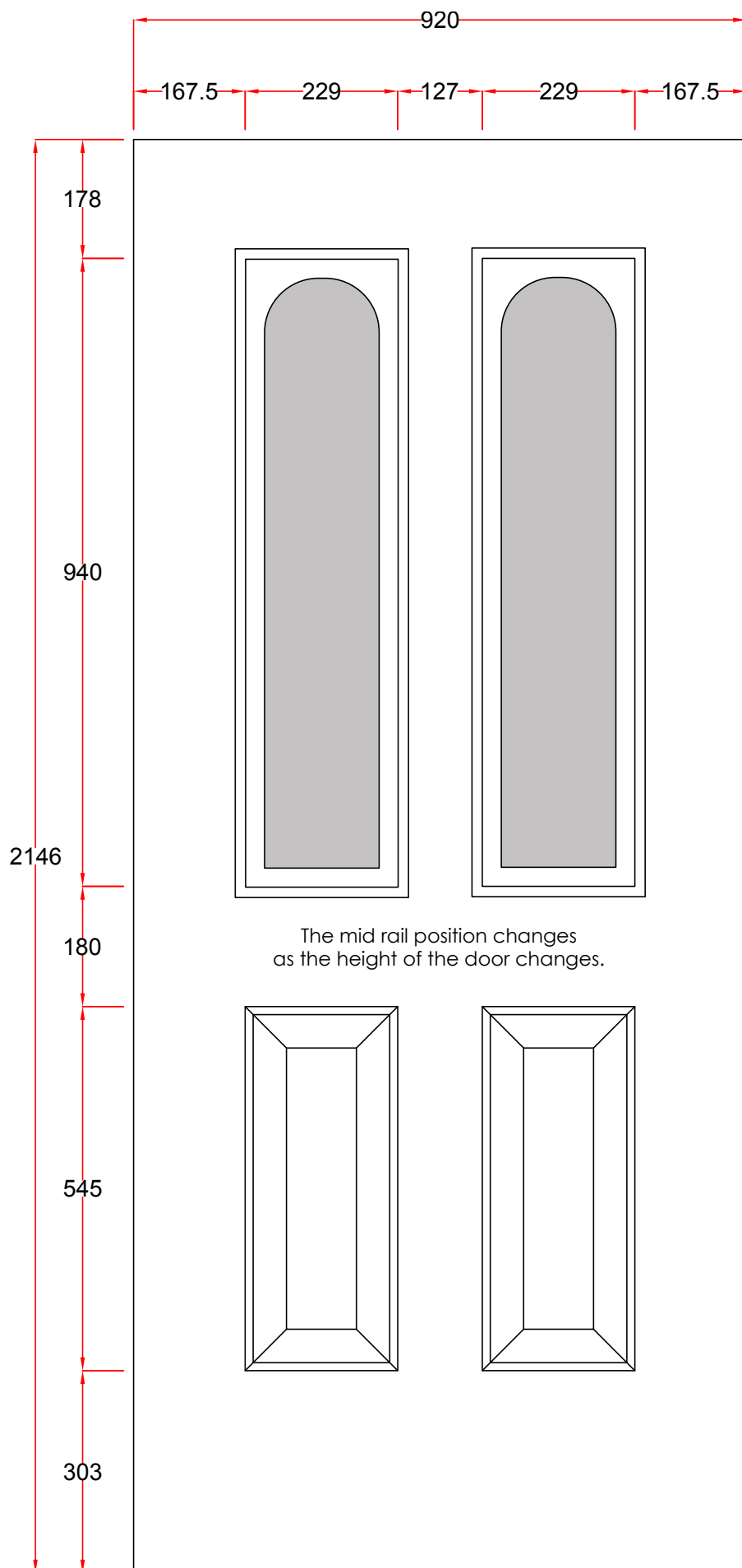
72 Frame low threshold open IN

Max = (Max sash height + 56mm + 13mm)
Min = (Min sash height + 56mm + 13mm)

Door Blank Type : T4P

Rome Arch

MAX SASH SIZE: 910mm X 2109mm MIN SASH SIZE: 745mm X 1866mm



Cassette: 0836SR
Cut Out: 229mm X 940mm
Glass Size: 203mm X 912mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**
52 Threshold: 32mm+4mm air gap = **36mm**
Ali low threshold open IN = 13mm
Ali low threshold open OUT = 13mm
Cill = 30mm

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)

Height

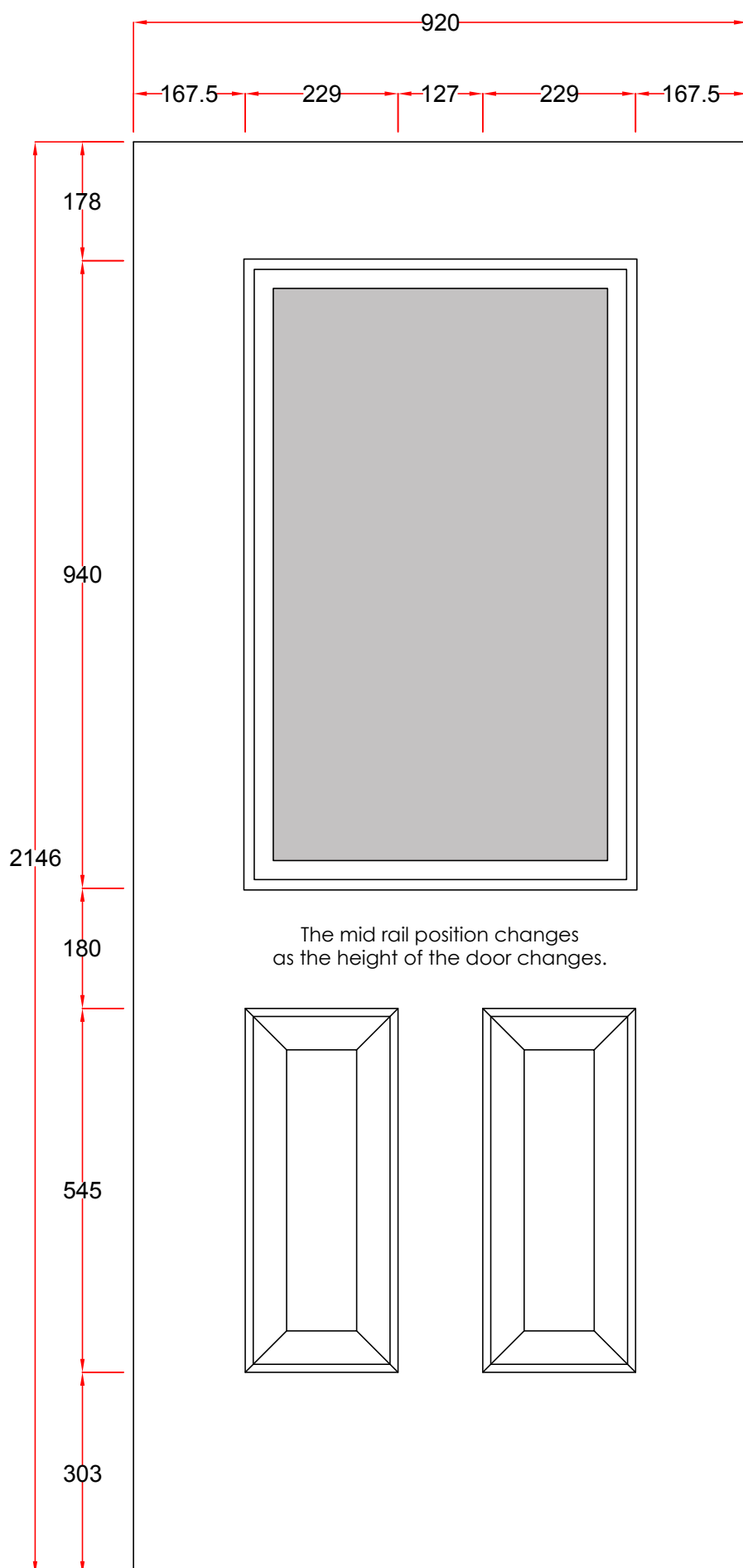
72 Frame low threshold open IN

Max = (Max sash height + 56mm + 13mm)
Min = (Min sash height + 56mm + 13mm)

Door Blank Type : T4P

Tuscany

MAX SASH SIZE: 910mm X 2109mm MIN SASH SIZE: 745mm X 1866mm



Cassette: 2236

Cut Out: 585mm X 940mm

Glass Size: 558mm X 914mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**

52 Threshold: 32mm+4mm air gap = **36mm**

Ali low threshold open IN = 13mm

Ali low threshold open OUT = 13mm

Cill = 30mm

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)

Min = (Min sash width + 56mm + 56mm)

Height

72 Frame low threshold open IN

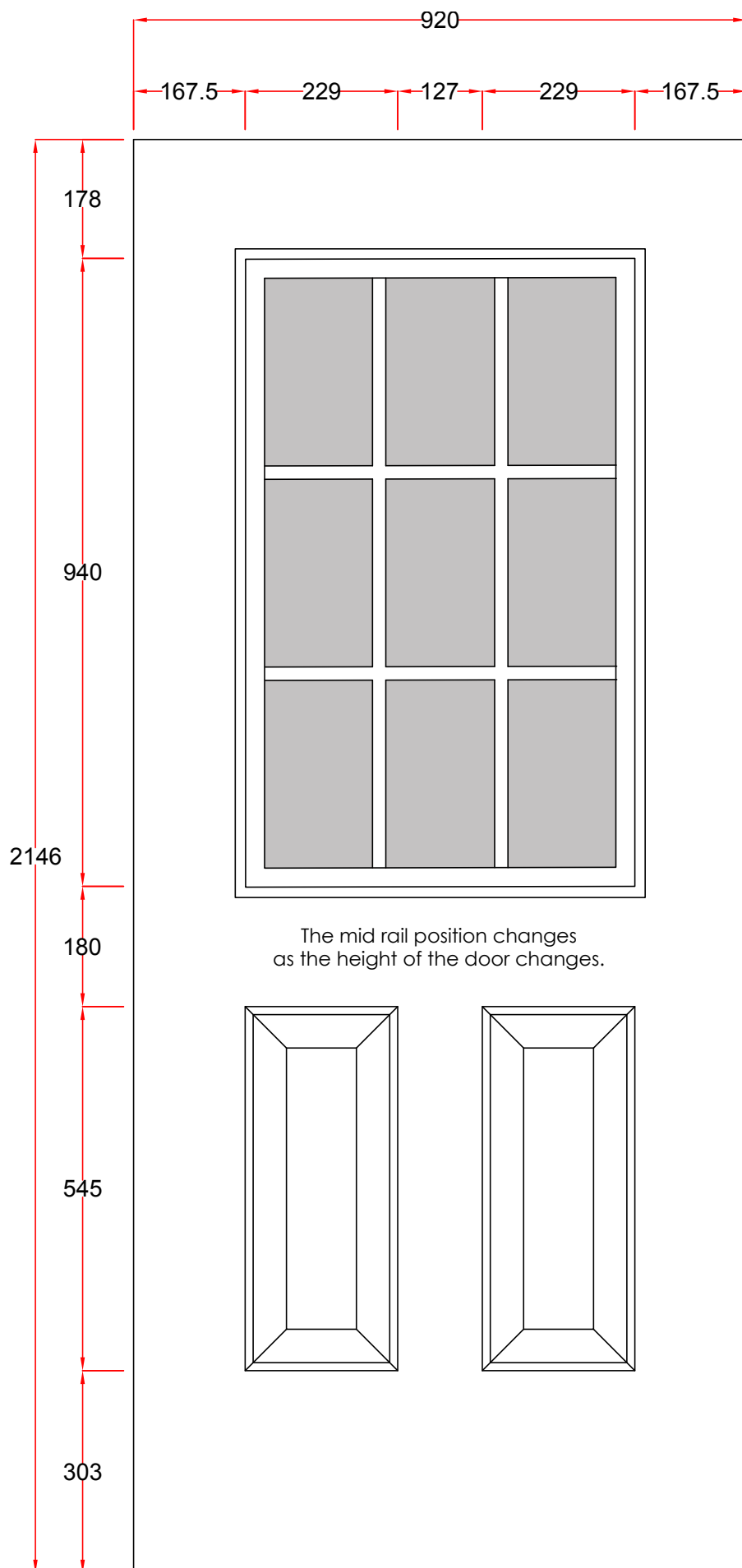
Max = (Max sash height + 56mm + 13mm)

Min = (Min sash height + 56mm + 13mm)

Door Blank Type : T4P

Tuscany Lite

MAX SASH SIZE: **910mm X 2109mm** MIN SASH SIZE: **745mm X 1866mm**



Cassette: 223609

Cut Out: 585mm X 940mm

Glass Size: 558mm X 914mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**

52 Threshold: 32mm+4mm air gap = **36mm**

Ali low threshold open IN = 13mm

Ali low threshold open OUT = 13mm

Cill = 30mm

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)

Min = (Min sash width + 56mm + 56mm)

Height

72 Frame low threshold open IN

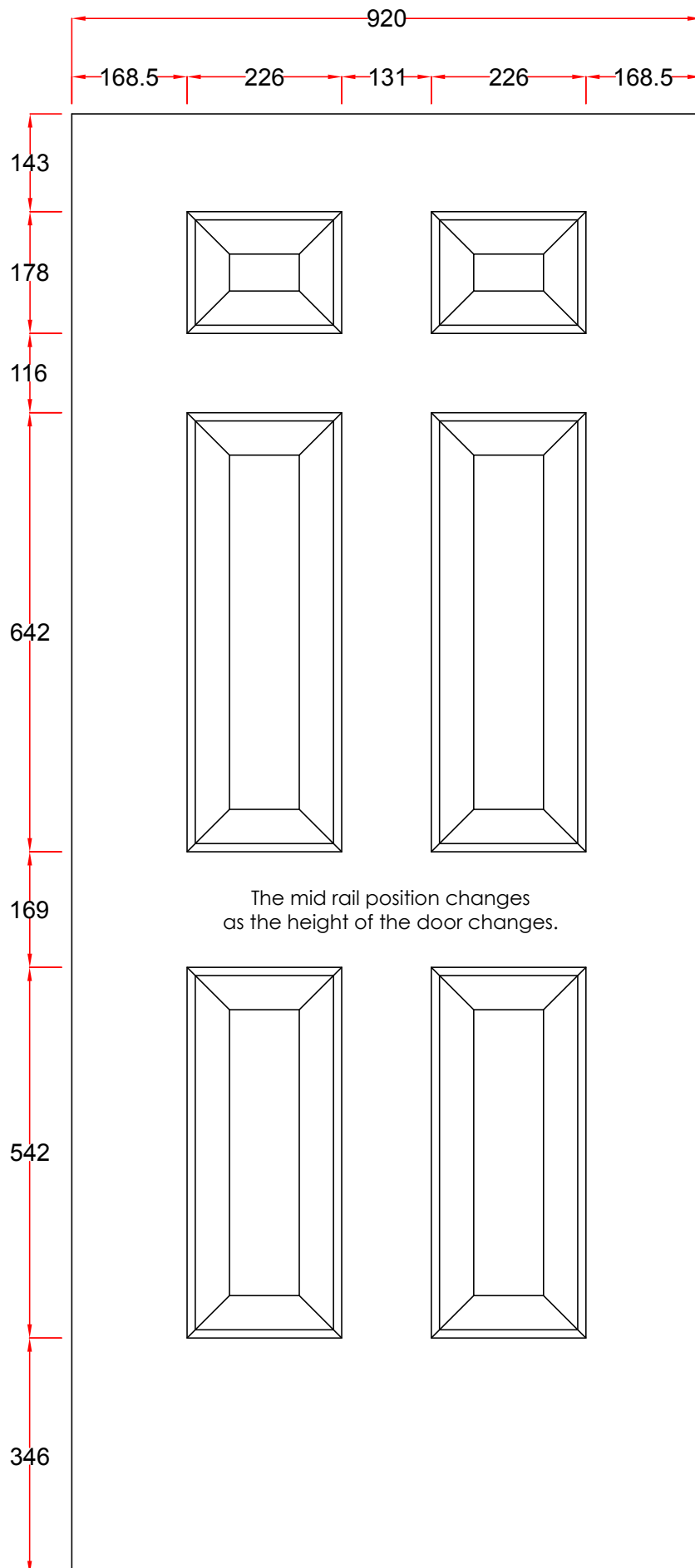
Max = (Max sash height + 56mm + 13mm)

Min = (Min sash height + 56mm + 13mm)

Door Blank Type : 6P

Athens

MAX SASH SIZE: 910mm X 2109mm MIN SASH SIZE: 724mm X 1866mm



Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**

52 Threshold: 32mm+4mm air gap = **36mm**

Ali low threshold open IN = **13mm**

Ali low threshold open OUT = **13mm**

Cill = **30mm**

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)

Min = (Min sash width + 56mm + 56mm)

Height

72 Frame low threshold open IN

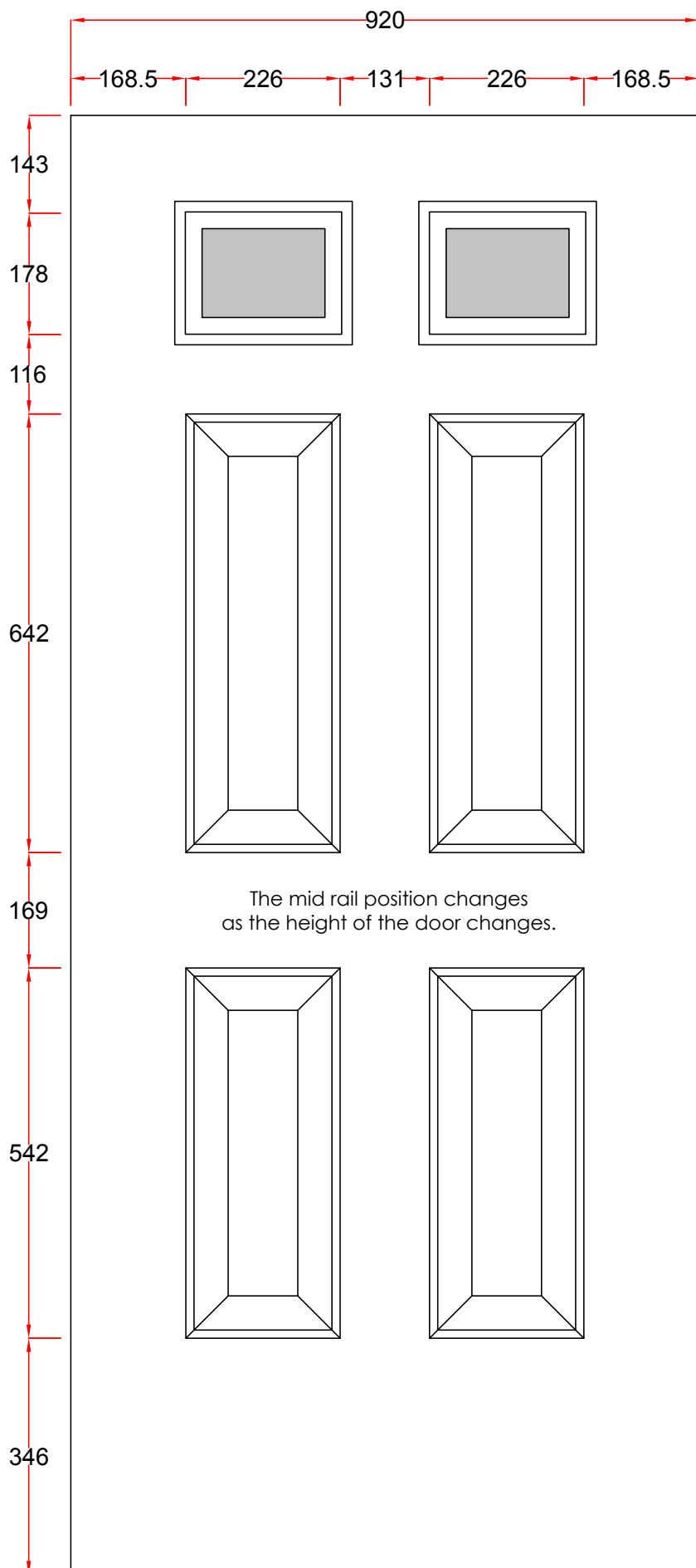
Max = (Max sash height + 56mm + 13mm)

Min = (Min sash height + 56mm + 13mm)

Door Blank Type : 6P

Athens 2

MAX SASH SIZE: 910mm X 2109mm MIN SASH SIZE: 724mm X 1866mm



Cassette: 0806

Cut Out: 229mm X 179mm

Glass Size: 203mm X 154mm

The mid rail position changes
as the height of the door changes.

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**

52 Threshold: 32mm+4mm air gap = **36mm**

Ali low threshold open IN = **13mm**

Ali low threshold open OUT = **13mm**

Cill = **30mm**

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)

Min = (Min sash width + 56mm + 56mm)

Height

72 Frame low threshold open IN

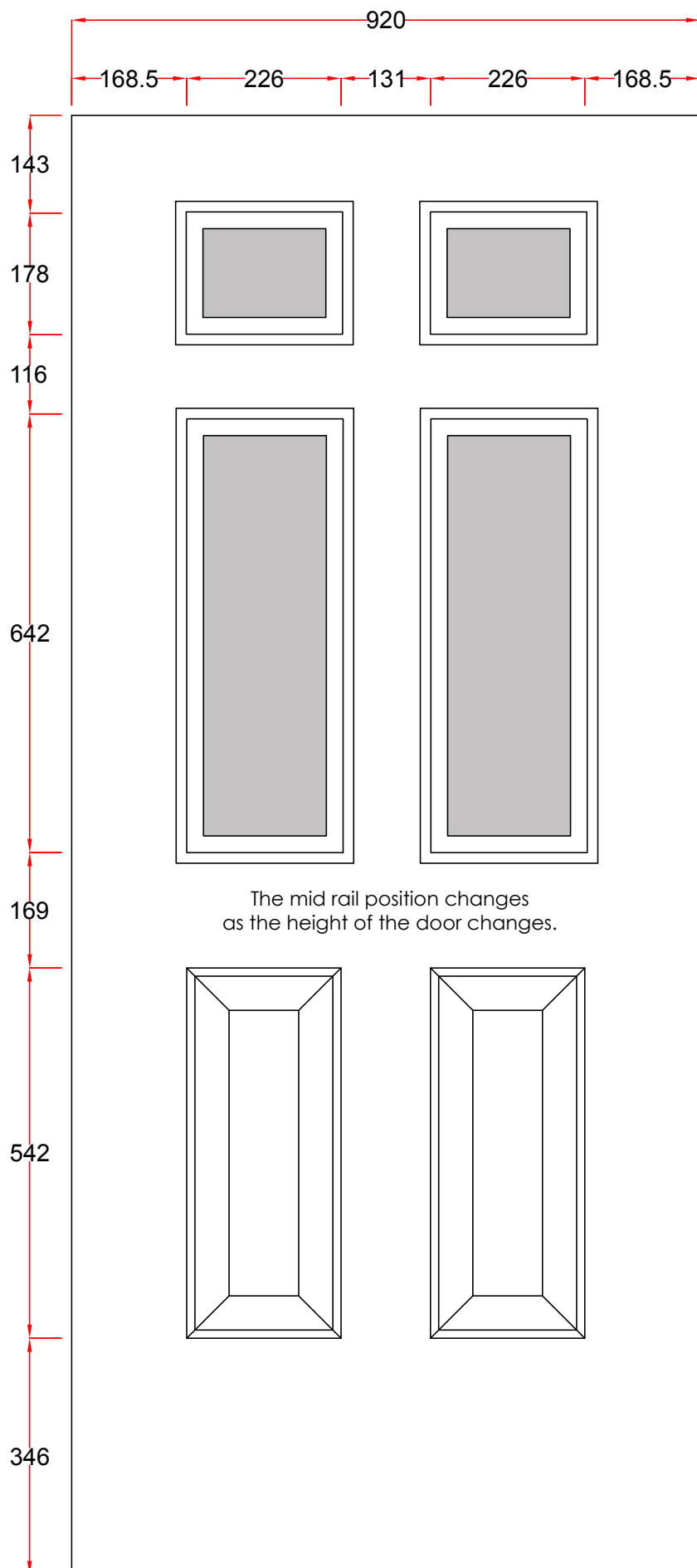
Max = (Max sash height + 56mm + 13mm)

Min = (Min sash height + 56mm + 13mm)

Door Blank Type : 6P

Athens 4

MAX SASH SIZE: 910mm X 2109mm MIN SASH SIZE: 745mm X 1866mm



Cassette: 0806
Cut Out: 229mm X 179mm
Glass Size: 203mm X 152mm

Cassette: 0824
Cut Out: 229mm X 635mm
Glass Size: 203mm X 609mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**
52 Threshold: 32mm+4mm air gap = **36mm**
Ali low threshold open IN = **13mm**
Ali low threshold open OUT = **13mm**
Cill = **30mm**

Width

72 Frame
Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)

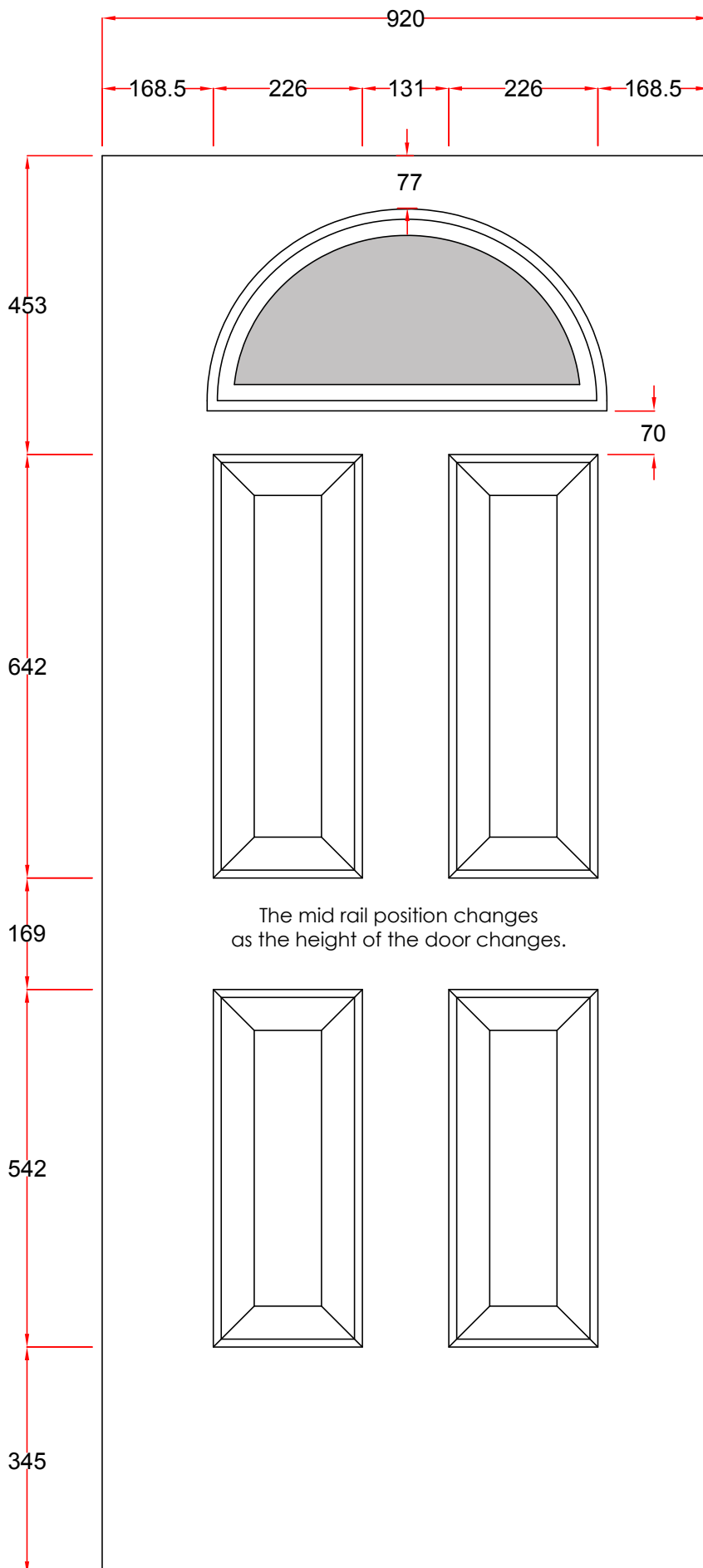
Height

72 Frame low threshold open IN
Max = (Max sash height + 56mm + 13mm)
Min = (Min sash height + 56mm + 13mm)

Door Blank Type : 4Pbt

Cannes 1

MAX SASH SIZE: 910mm X 2109mm MIN SASH SIZE: 724mm X 1866mm



Cassette: HR01

Cut Out: 575mm X 275mm

Glass Size: 550mm X 250mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**

52 Threshold: 32mm+4mm air gap = **36mm**

Ali low threshold open IN = **13mm**

Ali low threshold open OUT = **13mm**

Cill = **30mm**

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)

Min = (Min sash width + 56mm + 56mm)

Height

72 Frame low threshold open IN

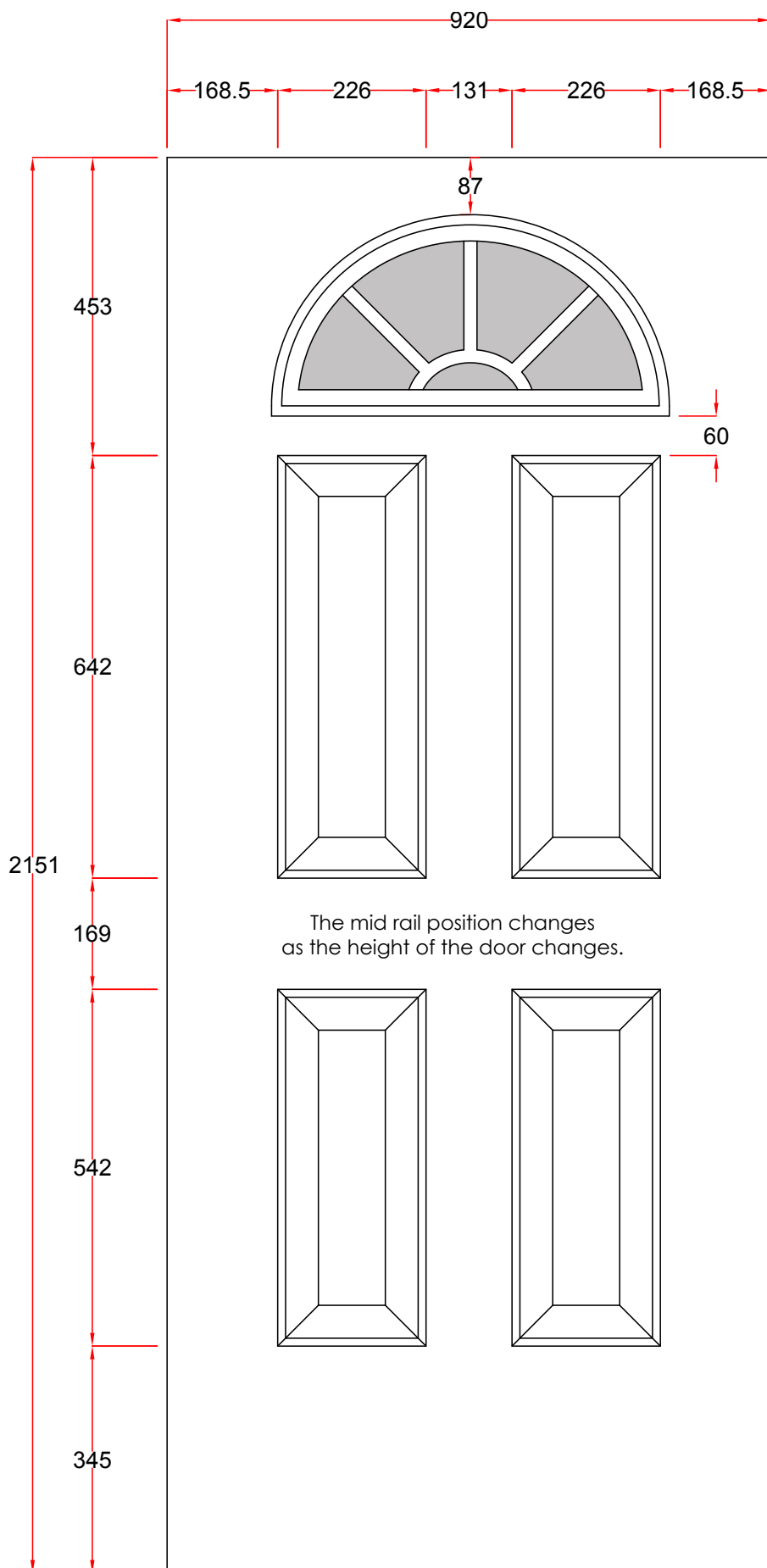
Max = (Max sash height + 56mm + 13mm)

Min = (Min sash height + 56mm + 13mm)

Door Blank Type : 4Pbt

Cannes Lite

MAX SASH SIZE: 910mm X 2109mm MIN SASH SIZE: 745mm X 1866mm



Cassette: HR05

Cut Out: 575mm X 275mm

Glass Size: 550mm X 250mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**

52 Threshold: 32mm+4mm air gap = **36mm**

Ali low threshold open IN = **13mm**

Ali low threshold open OUT = **13mm**

Cill = **30mm**

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)

Min = (Min sash width + 56mm + 56mm)

Height

72 Frame low threshold open IN

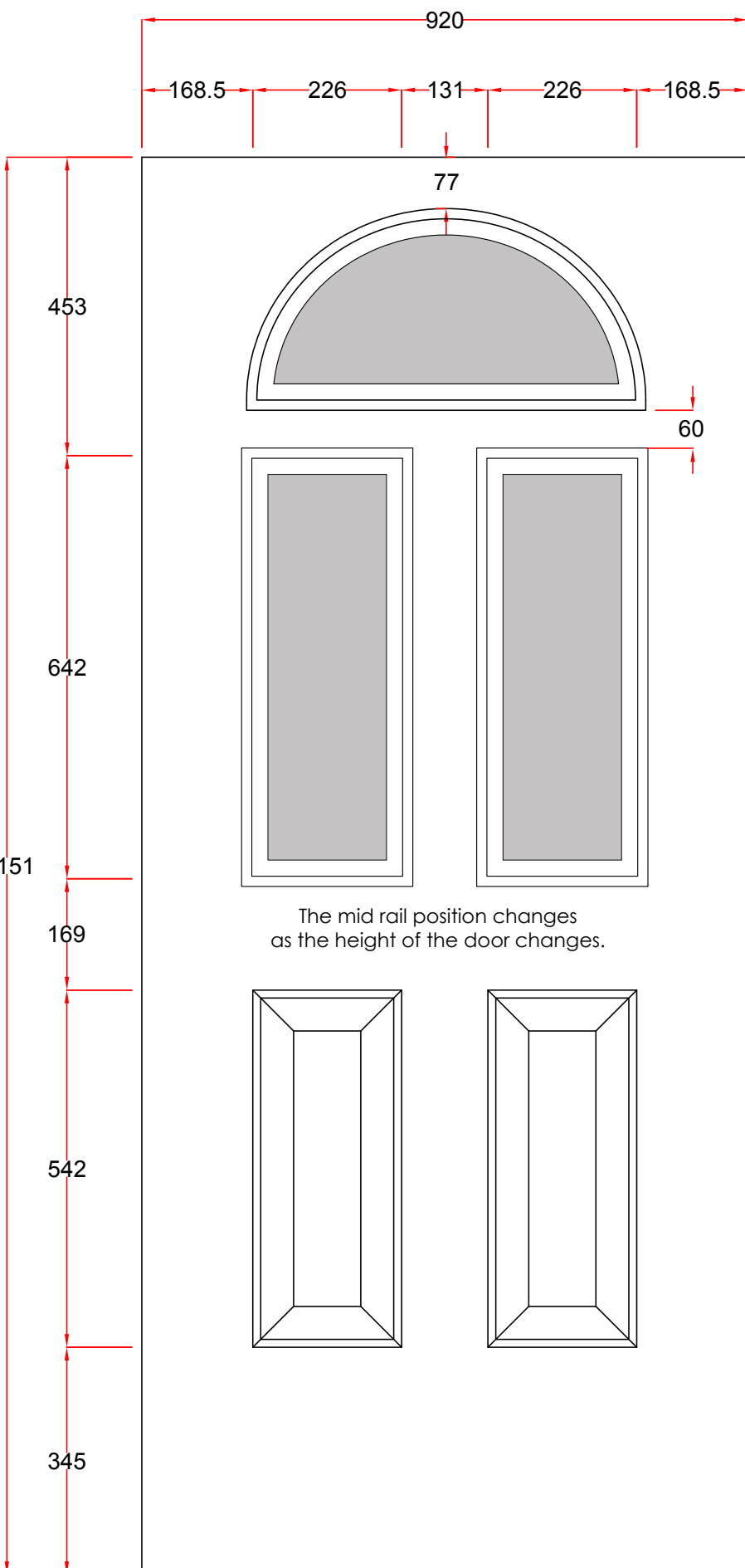
Max = (Max sash height + 56mm + 13mm)

Min = (Min sash height + 56mm + 13mm)

Door Blank Type : 4Pbt

Cannes 3

MAX SASH SIZE: 910mm X 2109mm MIN SASH SIZE: 745mm X 1866mm



Cassette: HR01

Cut Out: 575mm X 275mm

Glass Size: 549mm X 250mm

Cassette: 0824

Cut Out: 229mm X 635mm

Glass Size: 203mm X 609mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**

52 Threshold: 32mm+4mm air gap = **36mm**

Ali low threshold open IN = 13mm

Ali low threshold open OUT = 13mm

Cill = 30mm

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)

Min = (Min sash width + 56mm + 56mm)

Height

72 Frame low threshold open IN

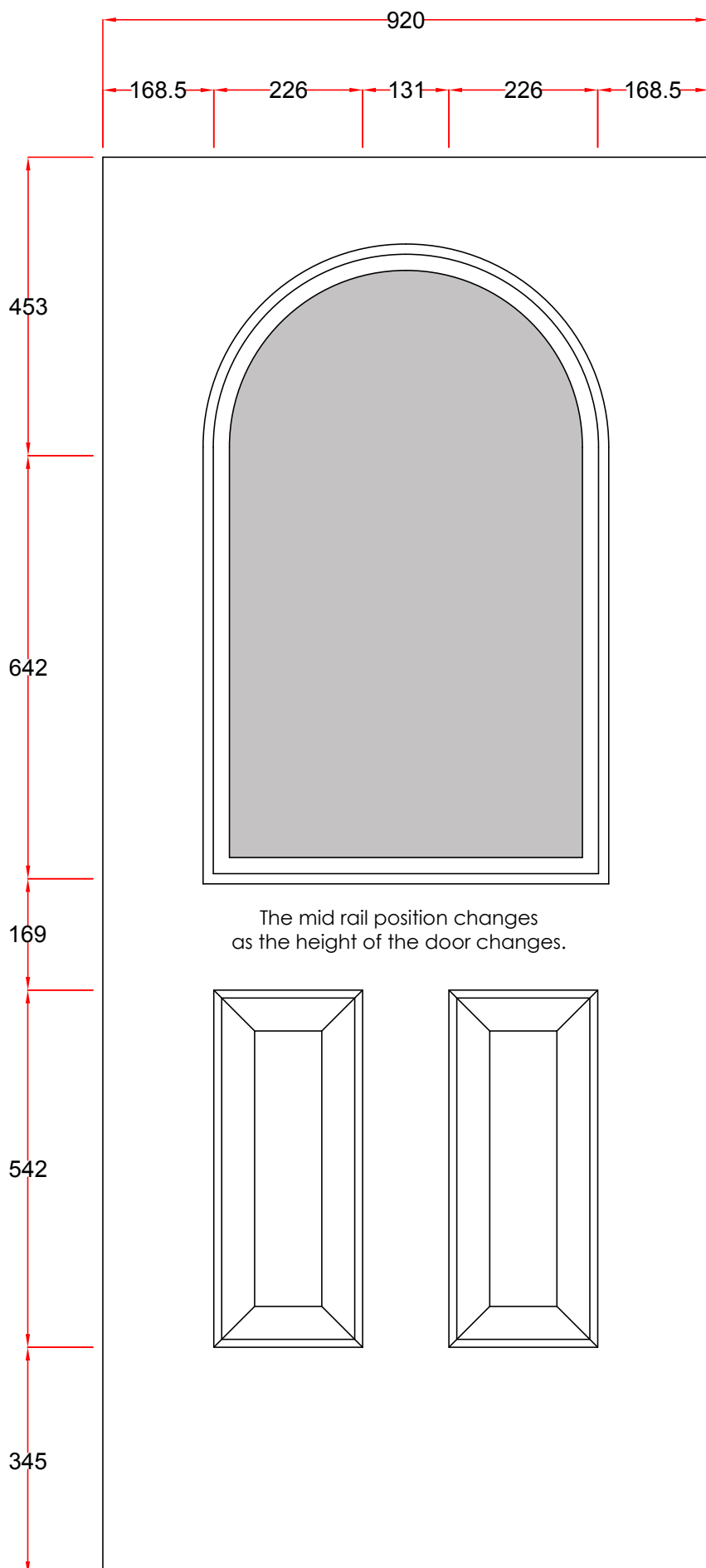
Max = (Max sash height + 56mm + 13mm)

Min = (Min sash height + 56mm + 13mm)

Door Blank Type : 4Pbt

Madeira

MAX SASH SIZE: 910mm X 2109mm MIN SASH SIZE: 745mm X 1866mm



Cassette: 2236RT
Cut Out: 585mm X 940mm
Glass Size: 558mm X 912mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**
52 Threshold: 32mm+4mm air gap = **36mm**
Ali low threshold open IN = **13mm**
Ali low threshold open OUT = **13mm**
Cill = **30mm**

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)

Height

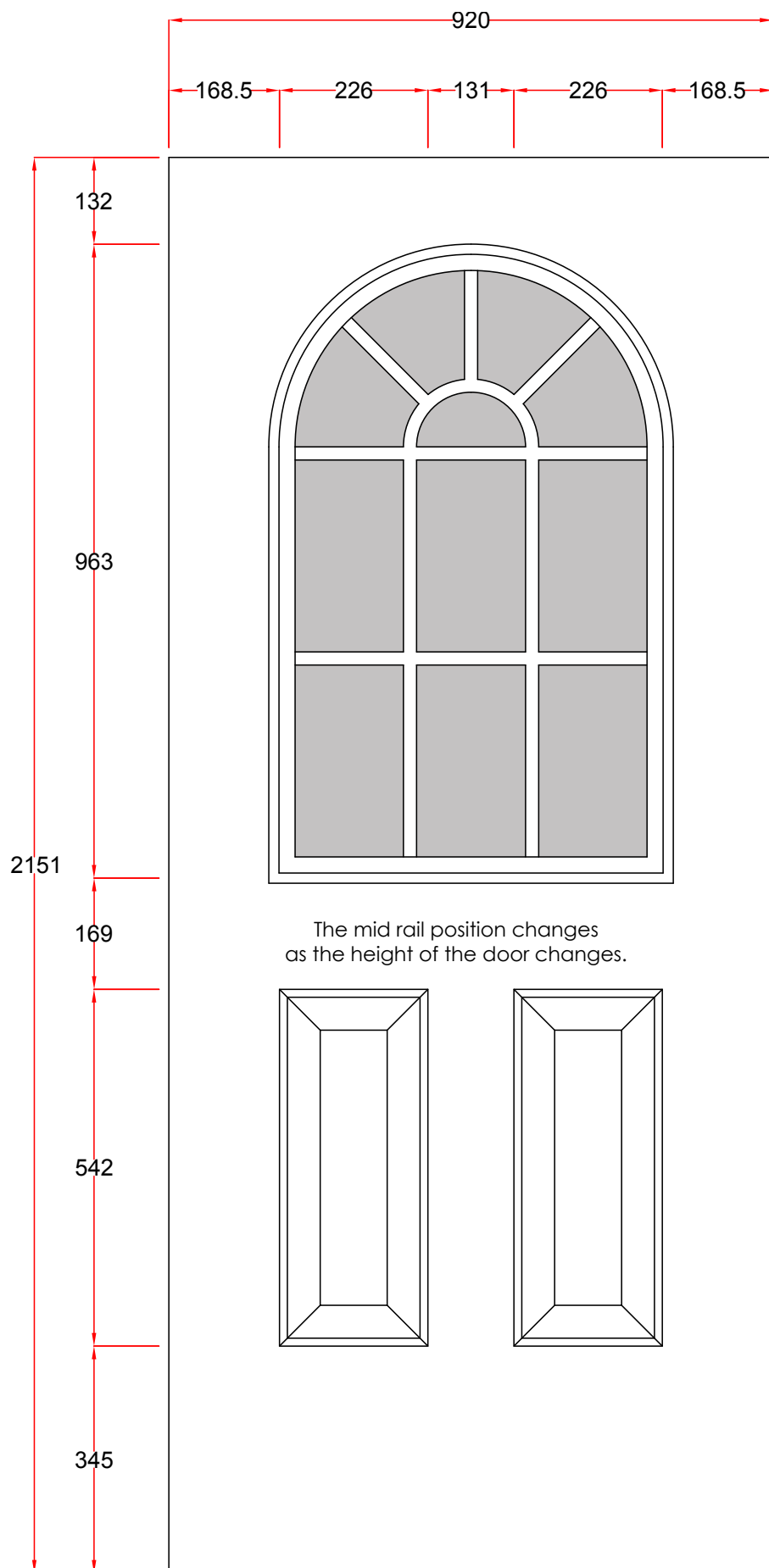
72 Frame low threshold open IN

Max = (Max sash height + 56mm + 13mm)
Min = (Min sash height + 56mm + 13mm)

Door Blank Type : 4Pbt

Madeira Lite

MAX SASH SIZE: **910mm X 2109mm** MIN SASH SIZE: **745mm X 1866mm**



Cassette: 223611
Cut Out: 585mm X 940mm
Glass Size: 558mm X 914mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**
52 Threshold: 32mm+4mm air gap = **36mm**
Ali low threshold open IN = **13mm**
Ali low threshold open OUT = **13mm**
Cill = **30mm**

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)

Height

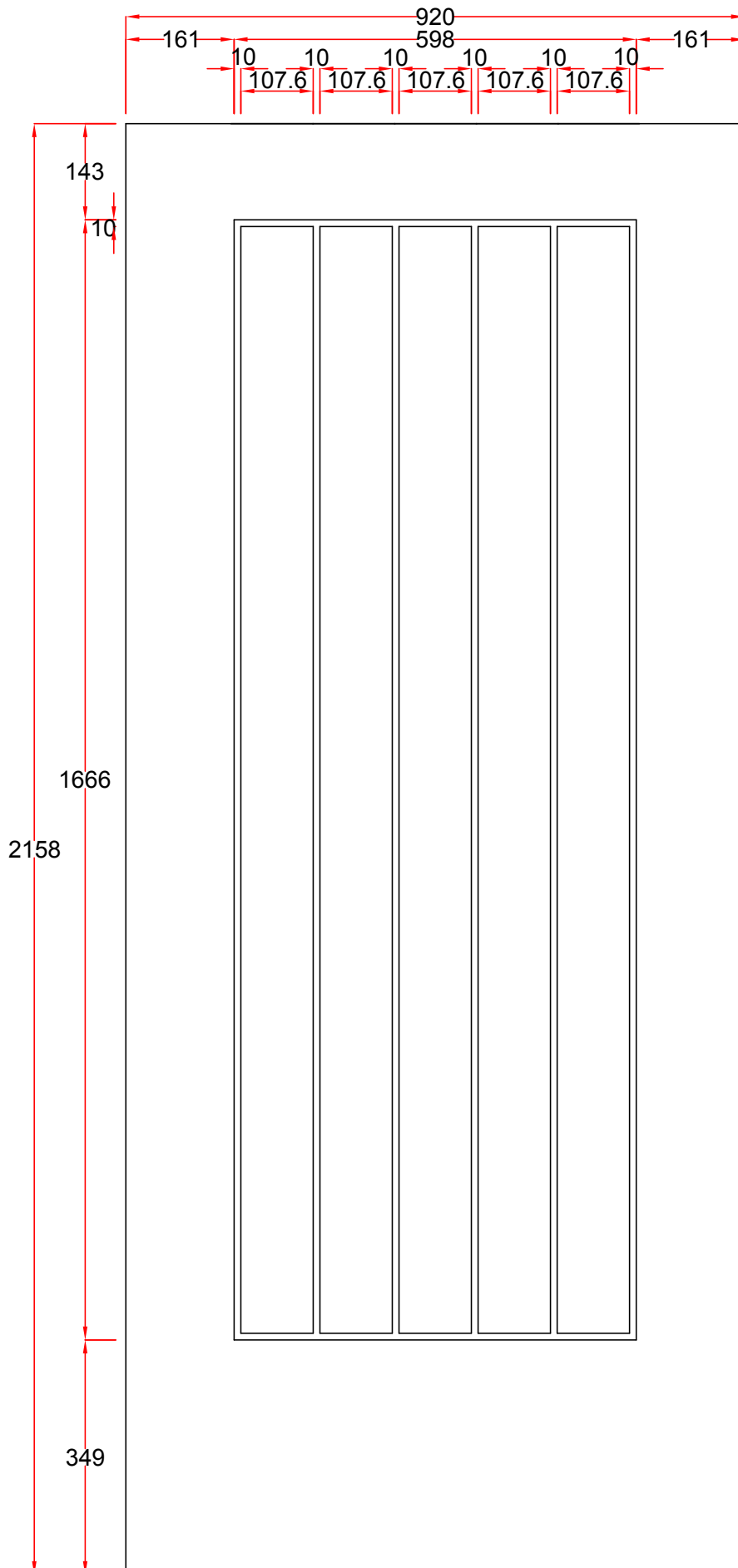
72 Frame low threshold open IN

Max = (Max sash height + 56mm + 13mm)
Min = (Min sash height + 56mm + 13mm)

Door Blank Type :PCD

Turin

MAX SASH SIZE: 910mm X 2109mm MIN SASH SIZE: 724mm X 1866mm



Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**

52 Threshold: 32mm+4mm air gap = **36mm**

Ali low threshold open IN = **13mm**

Ali low threshold open OUT = **13mm**

Cill = **30mm**

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)

Min = (Min sash width + 56mm + 56mm)

Height

72 Frame low threshold open IN

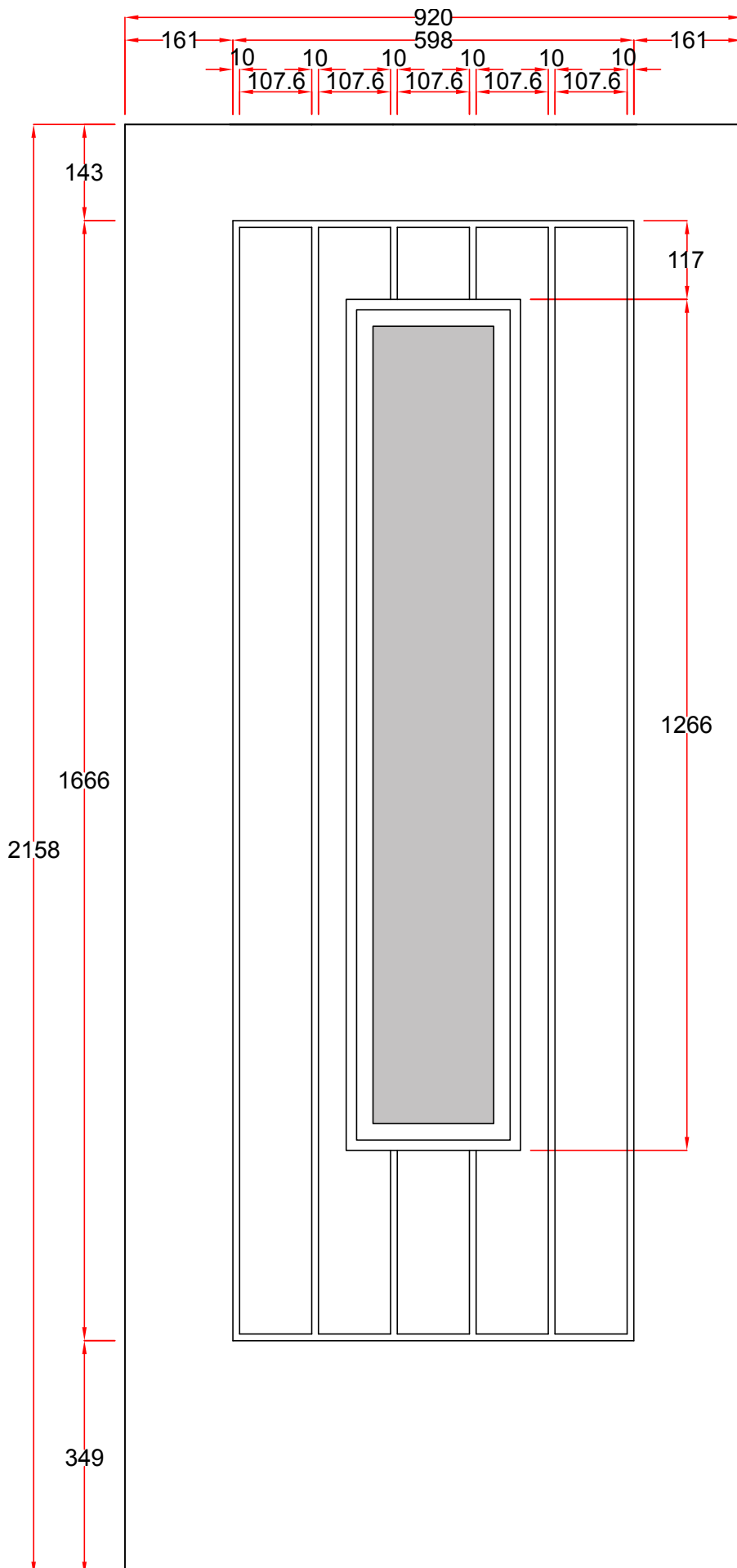
Max = (Max sash height + 56mm + 13mm)

Min = (Min sash height + 56mm + 13mm)

Door Blank Type :PCD

Milan 1219

MAX SASH SIZE: **910mm X 2109mm** MIN SASH SIZE: **724mm X 1866mm**



Cassette: 0848

Cut Out: 229mm X 1235mm

Glass Size: 203mm X 1219mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**

52 Threshold: 32mm+4mm air gap = **36mm**

Ali low threshold open IN = 13mm

Ali low threshold open OUT = 13mm

Cill = 30mm

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)

Min = (Min sash width + 56mm + 56mm)

Height

72 Frame low threshold open IN

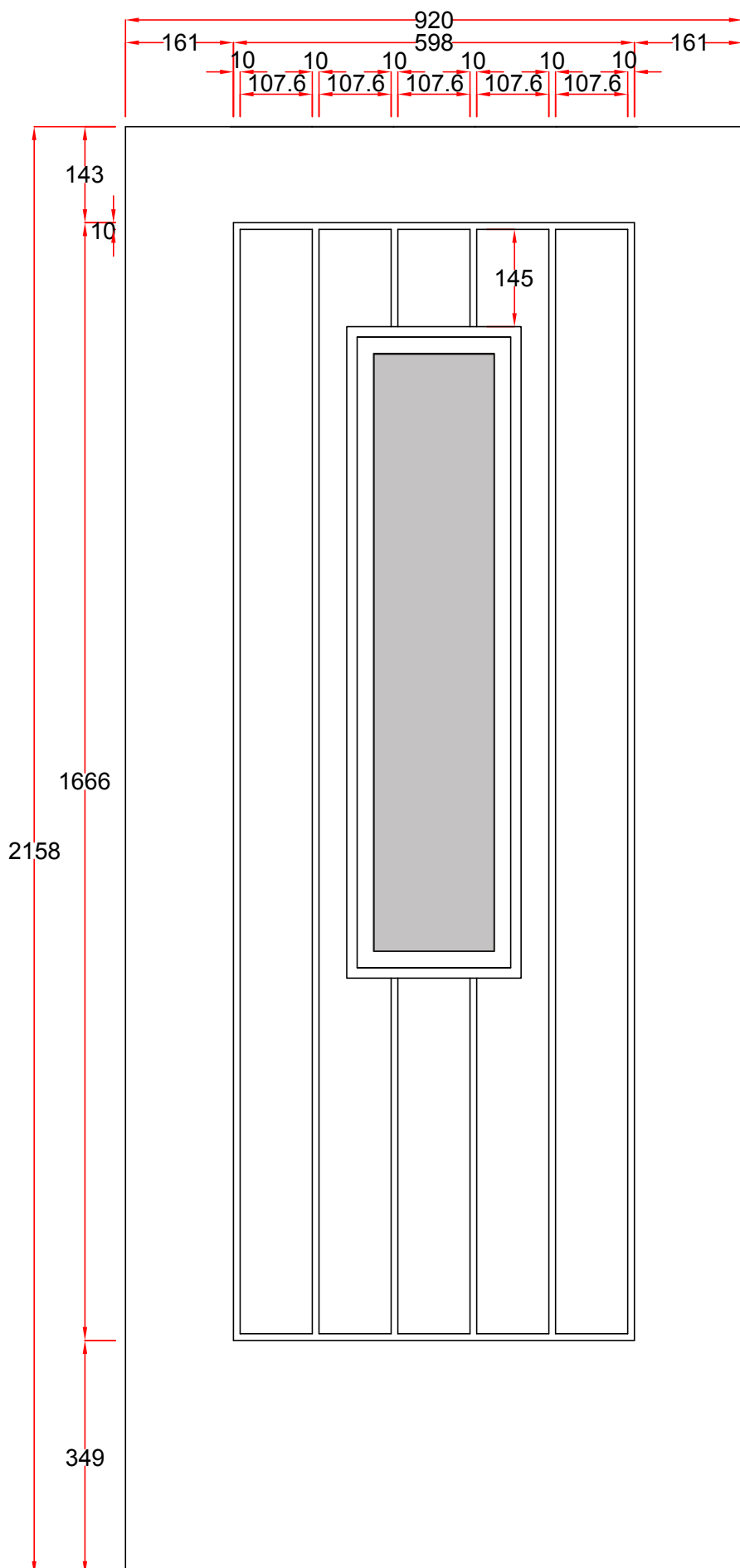
Max = (Max sash height + 56mm + 13mm)

Min = (Min sash height + 56mm + 13mm)

Door Blank Type :PCD

Milan 912

MAX SASH SIZE: 910mm X 2109mm MIN SASH SIZE: 724mm X 1866mm



Cassette: 0836

Cut Out: 229mm X 940mm

Glass Size: 203mm X 912mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**

52 Threshold: 32mm+4mm air gap = **36mm**

Ali low threshold open IN = **13mm**

Ali low threshold open OUT = **13mm**

Cill = **30mm**

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)

Min = (Min sash width + 56mm + 56mm)

Height

72 Frame low threshold open IN

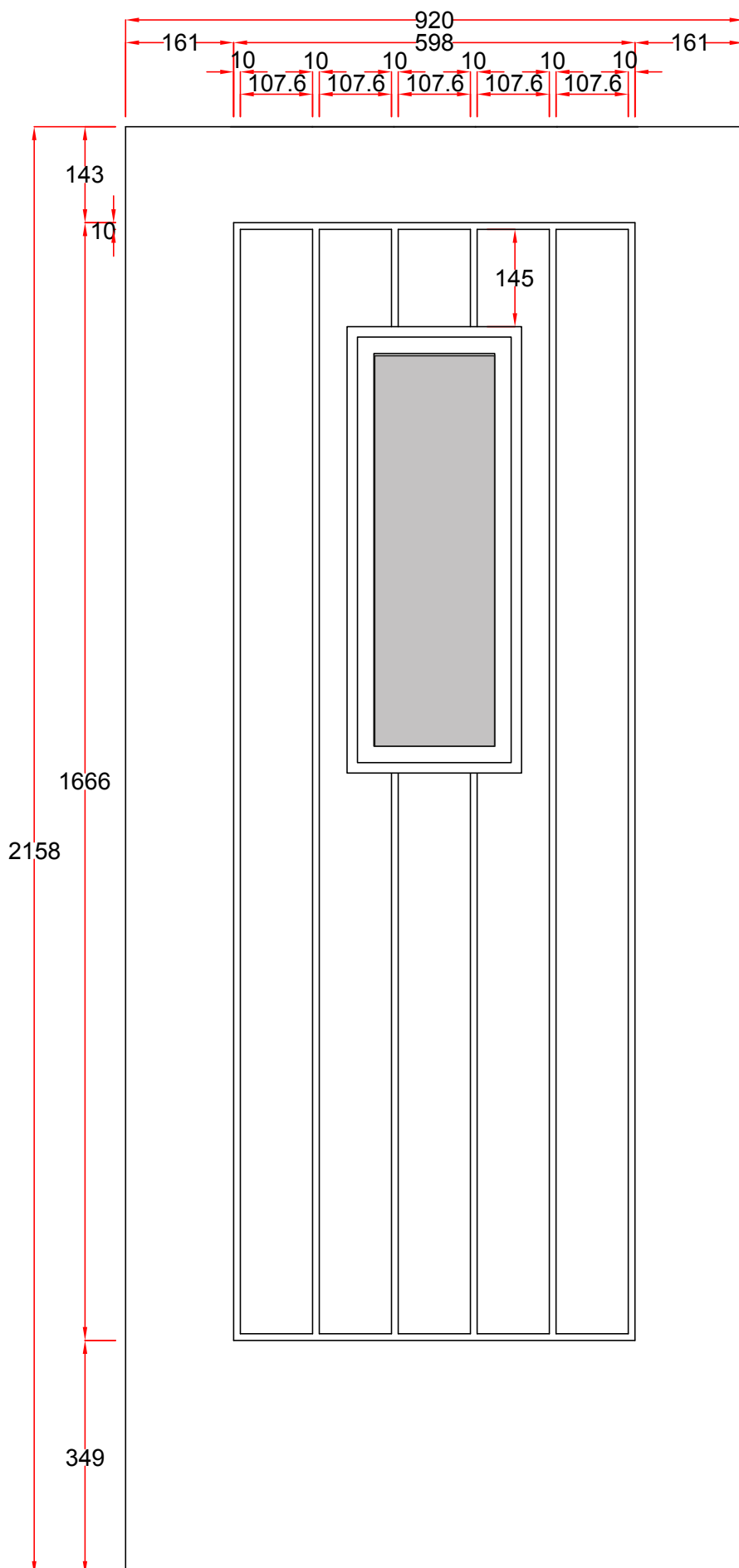
Max = (Max sash height + 56mm + 13mm)

Min = (Min sash height + 56mm + 13mm)

Door Blank Type :PCD

Milan 609

MAX SASH SIZE: 910mm X 2109mm MIN SASH SIZE: 724mm X 1866mm



Cassette: 0824

Cut Out: 229mm X 635mm

Glass Size: 203mm X 606mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**

52 Threshold: 32mm+4mm air gap = **36mm**

Ali low threshold open IN = **13mm**

Ali low threshold open OUT = **13mm**

Cill = **30mm**

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)

Min = (Min sash width + 56mm + 56mm)

Height

72 Frame low threshold open IN

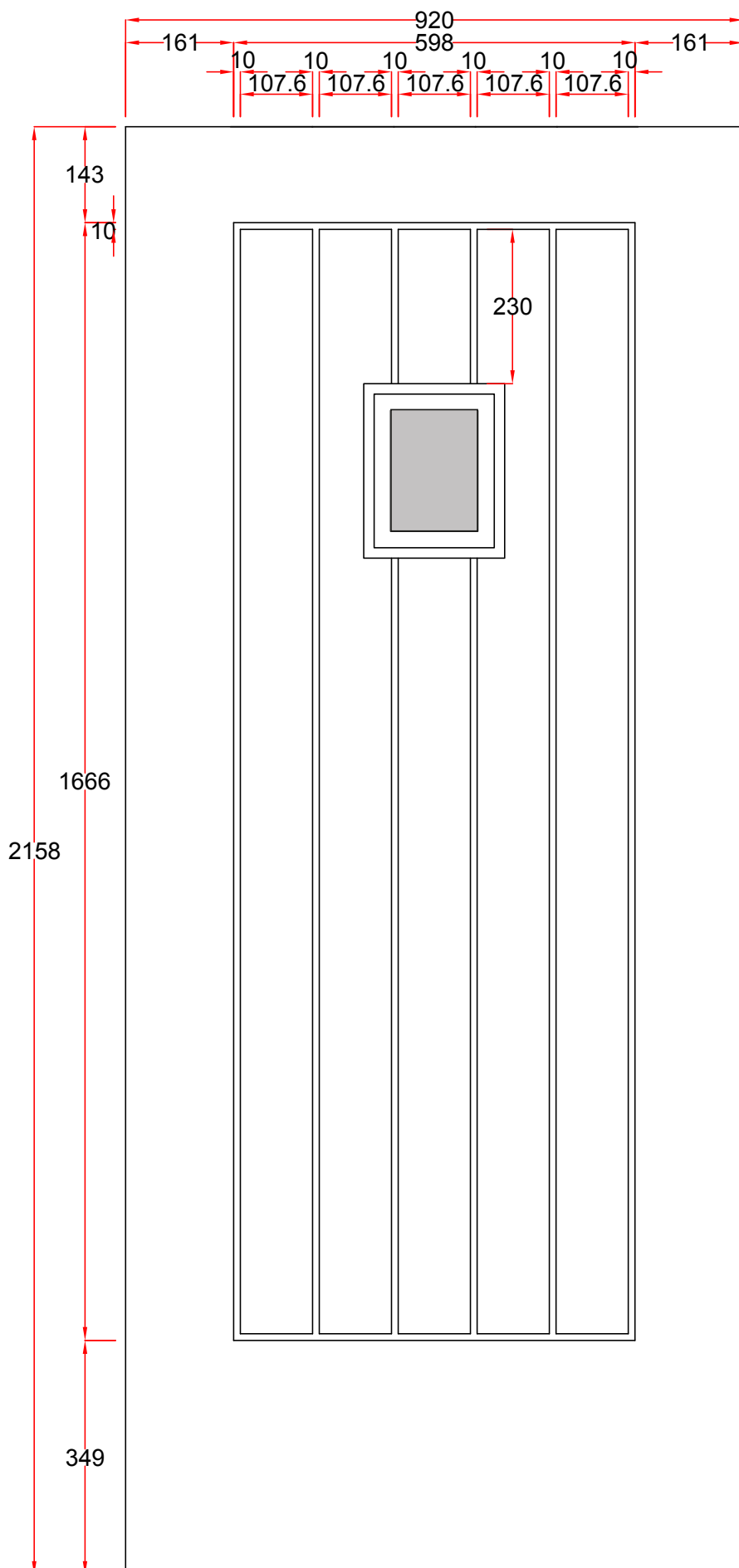
Max = (Max sash height + 56mm + 13mm)

Min = (Min sash height + 56mm + 13mm)

Door Blank Type :PCD

Milan 203

MAX SASH SIZE: 910mm X 2109mm MIN SASH SIZE: 724mm X 1866mm



Cassette: 0806

Cut Out: 179mm X 229mm

Glass Size: 154mm X 203mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**

52 Threshold: 32mm+4mm air gap = **36mm**

Ali low threshold open IN = **13mm**

Ali low threshold open OUT = **13mm**

Cill = **30mm**

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)

Min = (Min sash width + 56mm + 56mm)

Height

72 Frame low threshold open IN

Max = (Max sash height + 56mm + 13mm)

Min = (Min sash height + 56mm + 13mm)

BACK TO CONTENTS

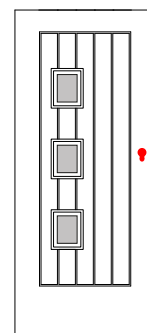
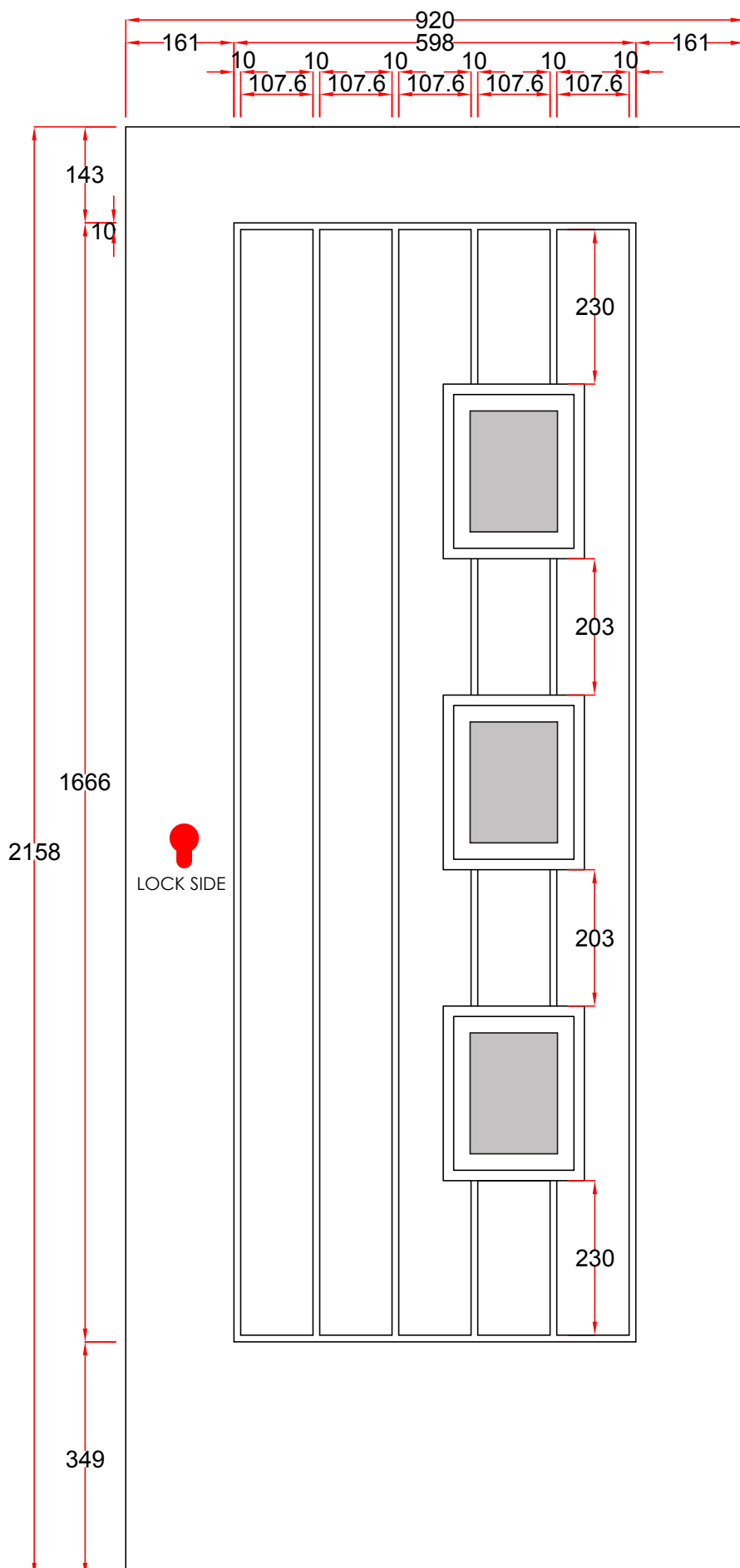
Door Blank Type :PCD

MAX SASH SIZE: 910mm X 2109mm MIN SASH SIZE: 724mm X 1866mm

Rotterdam RIGHT

Opposite handing

Rotterdam LEFT



3 OFF

Cassette: 0806

Cut Out: 179mm X 229mm

Glass Size: 154mm X 203mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**

52 Threshold: 32mm+4mm air gap = **36mm**

Ali low threshold open IN = 13mm

Ali low threshold open OUT = 13mm

Cill = 30mm

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)

Min = (Min sash width + 56mm + 56mm)

Height

72 Frame low threshold open IN

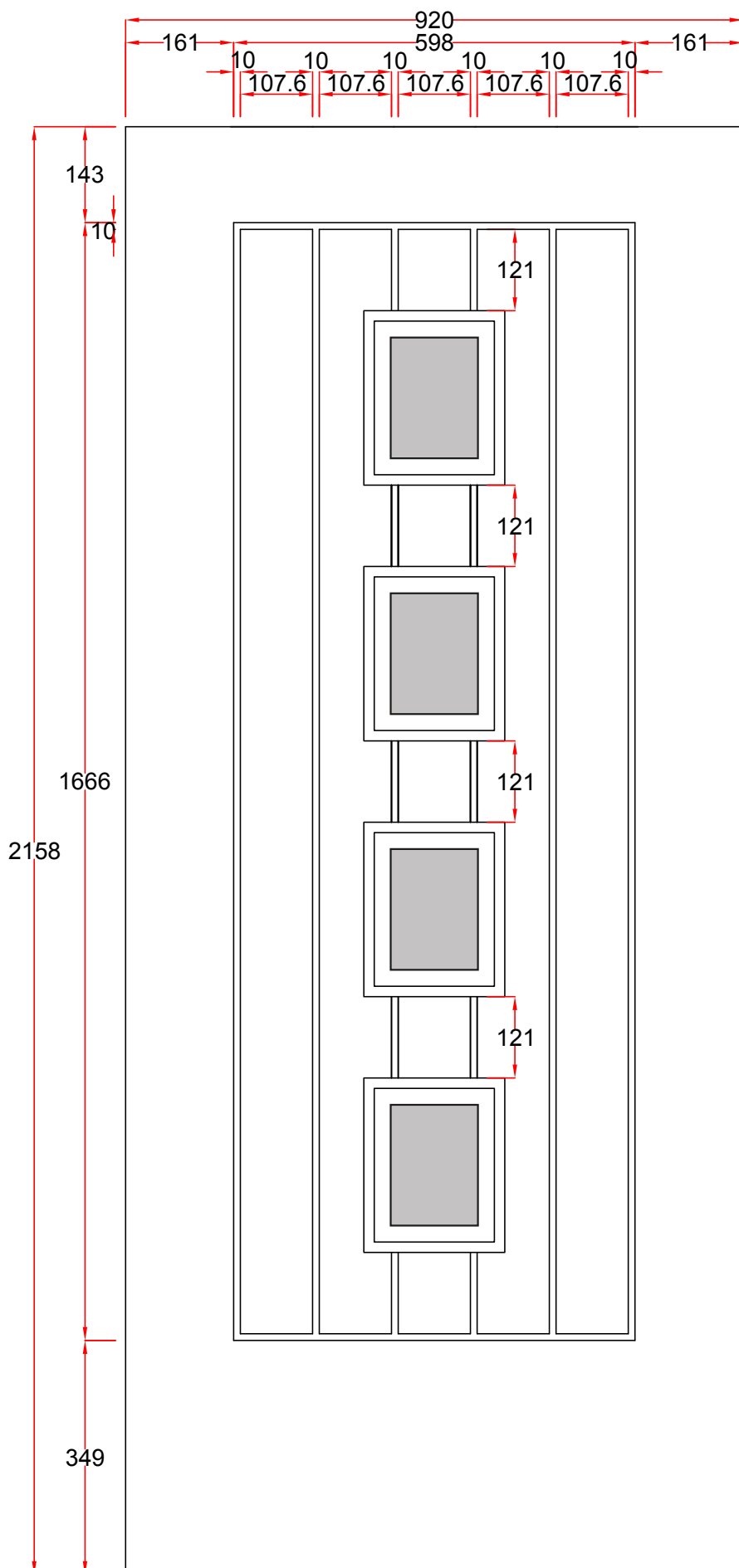
Max = (Max sash height + 56mm + 13mm)

Min = (Min sash height + 56mm + 13mm)

Door Blank Type :PCD

Amsterdam

MAX SASH SIZE: 910mm X 2109mm MIN SASH SIZE: 724mm X 1866mm



4 OFF
Cassette: 0806
Cut Out: 179mm X 229mm
Glass Size: 154mm X 203mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**
52 Threshold: 32mm+4mm air gap = **36mm**
Ali low threshold open IN = **13mm**
Ali low threshold open OUT = **13mm**
Cill = **30mm**

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)

Height

72 Frame low threshold open IN

Max = (Max sash height + 56mm + 13mm)
Min = (Min sash height + 56mm + 13mm)

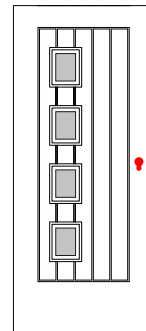
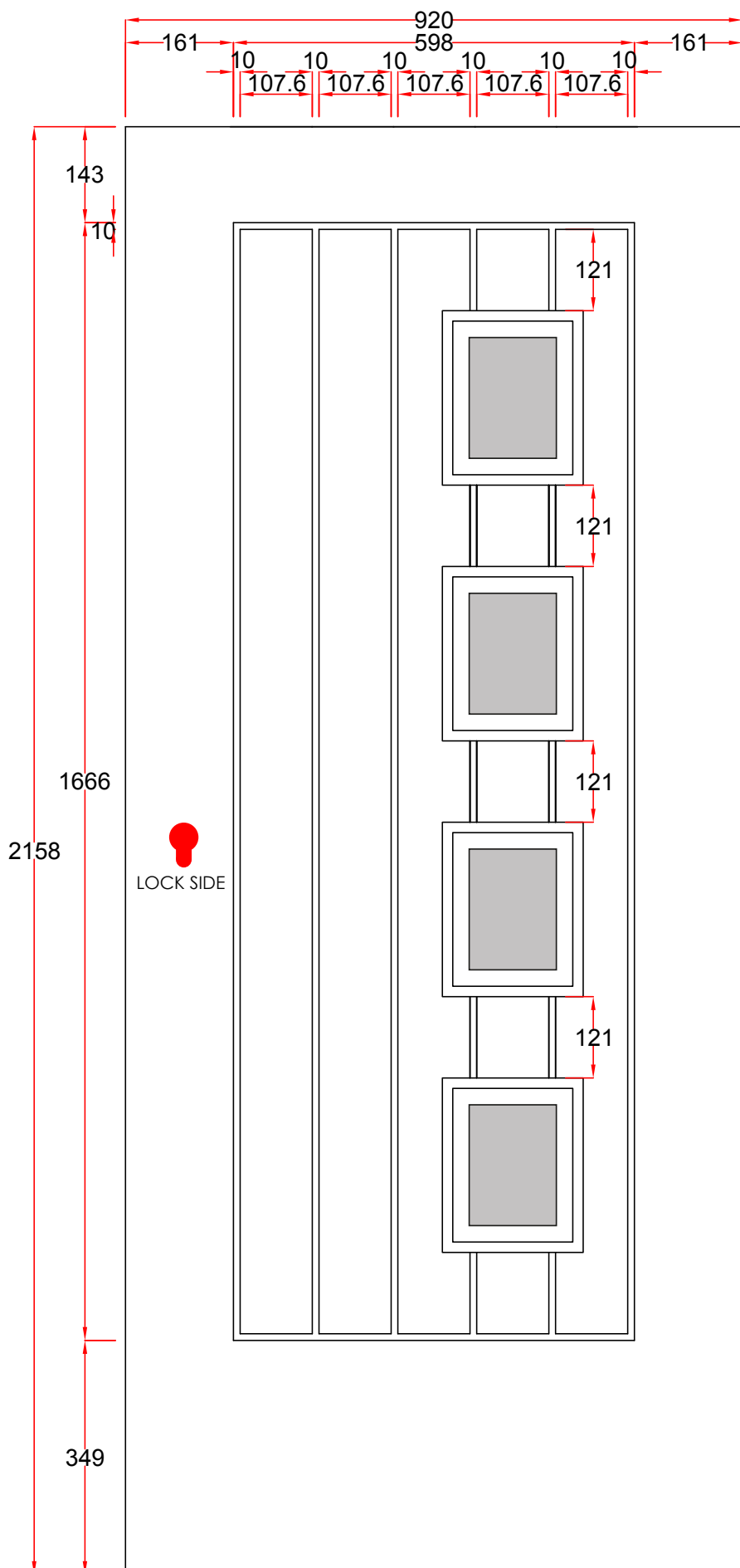
Door Blank Type :PCD

MAX SASH SIZE: **910mm X 2109mm** MIN SASH SIZE: **724mm X 1866mm**

Amsterdam RIGHT

Opposite handing

Amsterdam LEFT



4 OFF

Cassette: 0806

Cut Out: 179mm X 229mm

Glass Size: 154mm X 203mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**

52 Threshold: 32mm+4mm air gap = **36mm**

Ali low threshold open IN = 13mm

Ali low threshold open OUT = 13mm

Cill = 30mm

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)

Min = (Min sash width + 56mm + 56mm)

Height

72 Frame low threshold open IN

Max = (Max sash height + 56mm + 13mm)

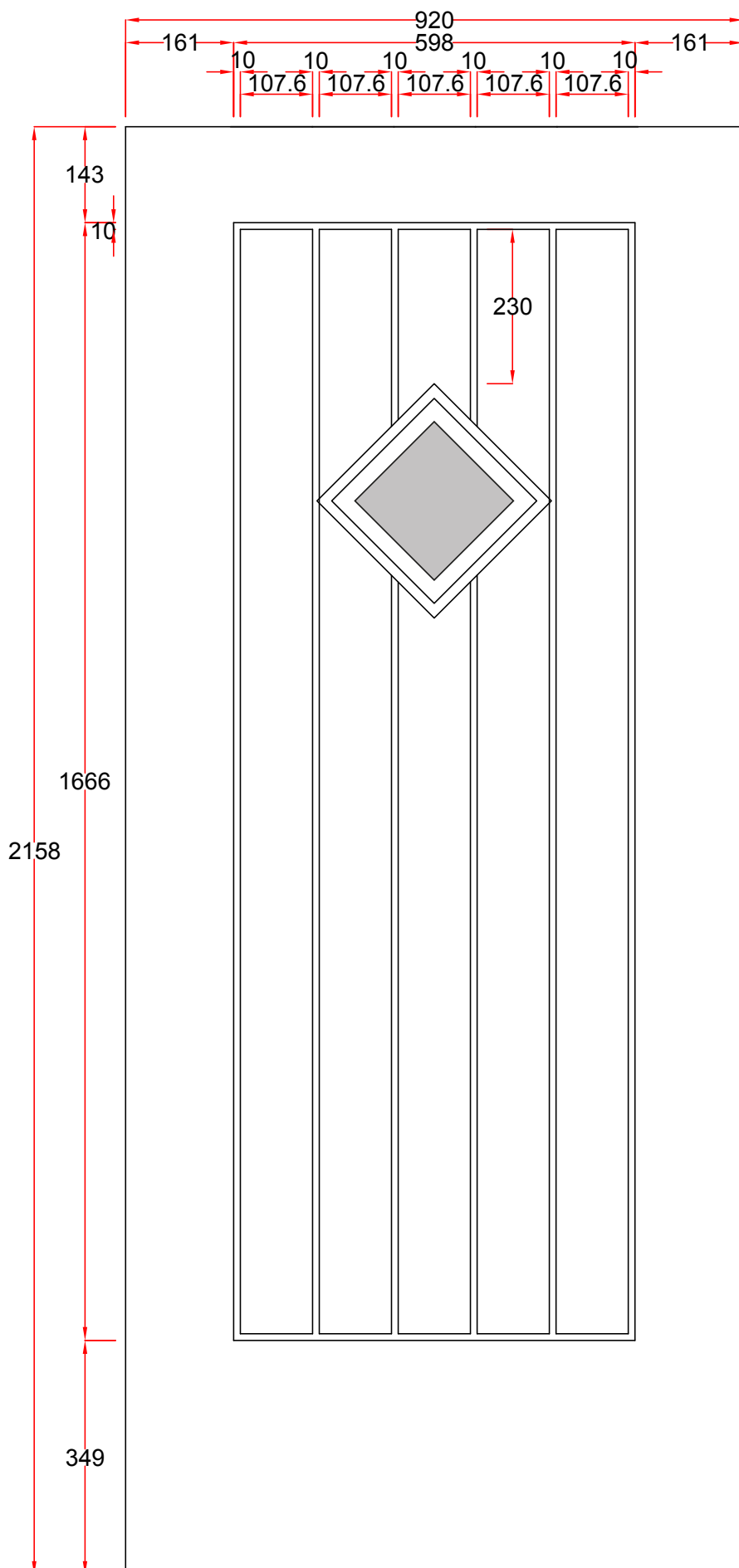
Min = (Min sash height + 56mm + 13mm)

BACK TO CONTENTS

Door Blank Type :PCD

Oslo

MAX SASH SIZE: 910mm X 2109mm MIN SASH SIZE: 724mm X 1866mm



Cassette: 0707

Cut Out: 216mm X 216mm

Glass Size: 190mm X 190mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**

52 Threshold: 32mm+4mm air gap = **36mm**

Ali low threshold open IN = **13mm**

Ali low threshold open OUT = **13mm**

Cill = **30mm**

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)

Min = (Min sash width + 56mm + 56mm)

Height

72 Frame low threshold open IN

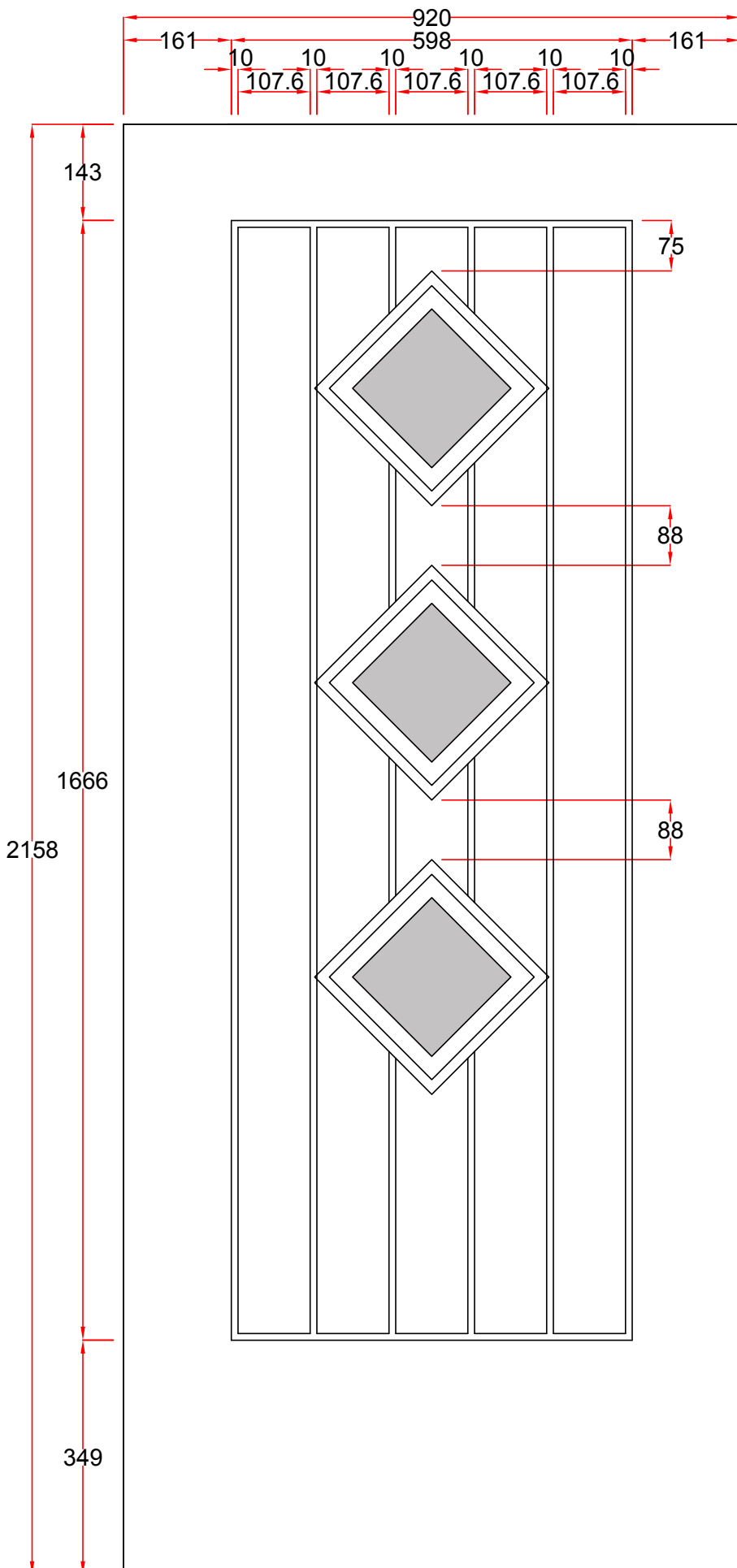
Max = (Max sash height + 56mm + 13mm)

Min = (Min sash height + 56mm + 13mm)

Door Blank Type :PCD

Oslo 3

MAX SASH SIZE: **910mm X 2109mm** MIN SASH SIZE: **724mm X 1866mm**



Cassette: 3 off 0707
Cut Out: 216mm X 216mm
Glass Size: 190mm X 190mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**
52 Threshold: 32mm+4mm air gap = **36mm**
Ali low threshold open IN = **13mm**
Ali low threshold open OUT = **13mm**
Cill = **30mm**

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)

Height

72 Frame low threshold open IN

Max = (Max sash height + 56mm + 13mm)
Min = (Min sash height + 56mm + 13mm)

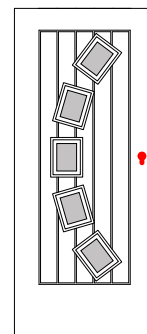
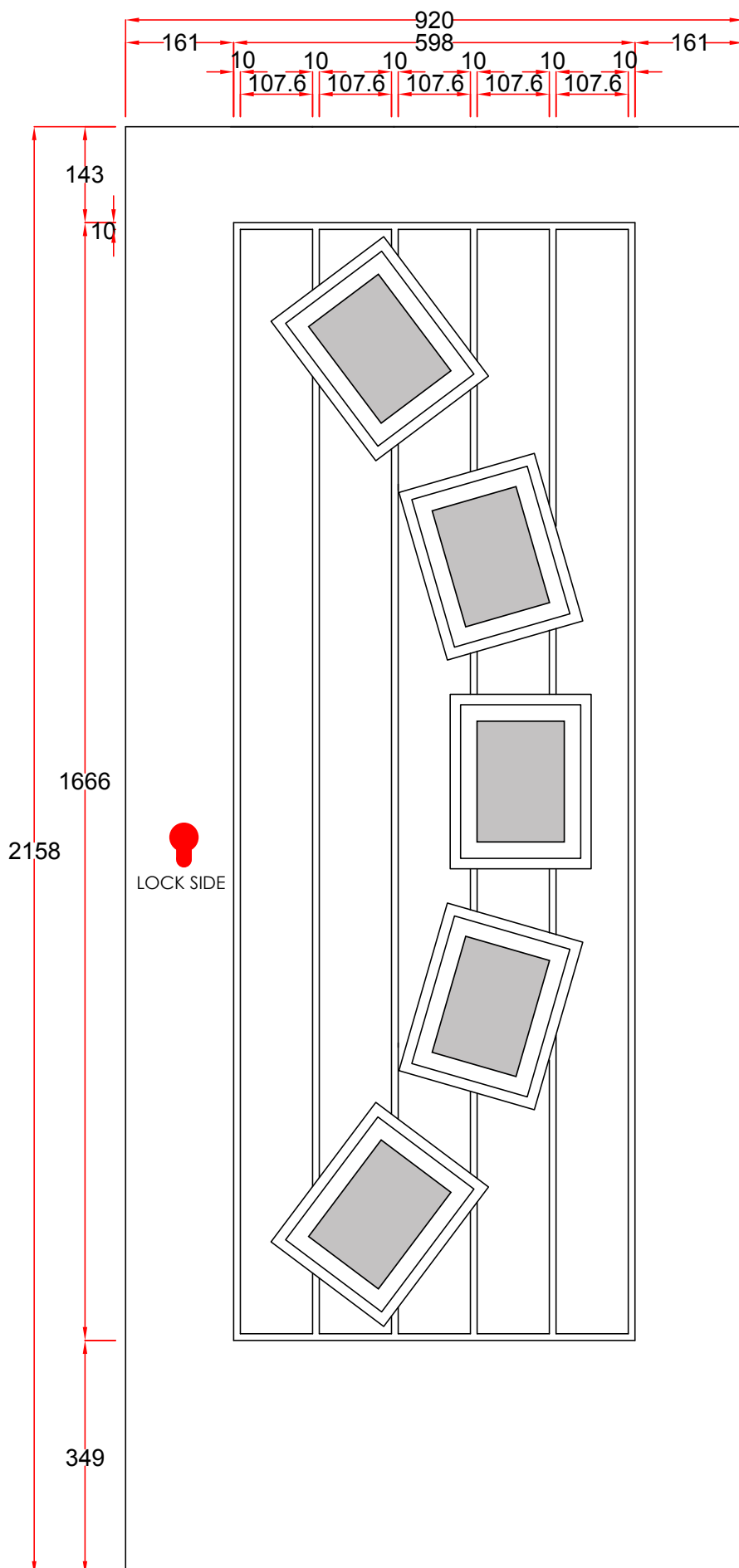
Door Blank Type :PCD

MAX SASH SIZE: **910mm X 2109mm** MIN SASH SIZE: **724mm X 1866mm**

Porto RIGHT

Opposite handing

Porto LEFT



5 OFF

Cassette: 0806

Cut Out: 154mm X 203mm

Glass Size: 179mm X 229mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**

52 Threshold: 32mm+4mm air gap = **36mm**

Ali low threshold open IN = 13mm

Ali low threshold open OUT = 13mm

Cill = 30mm

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)

Min = (Min sash width + 56mm + 56mm)

Height

72 Frame low threshold open IN

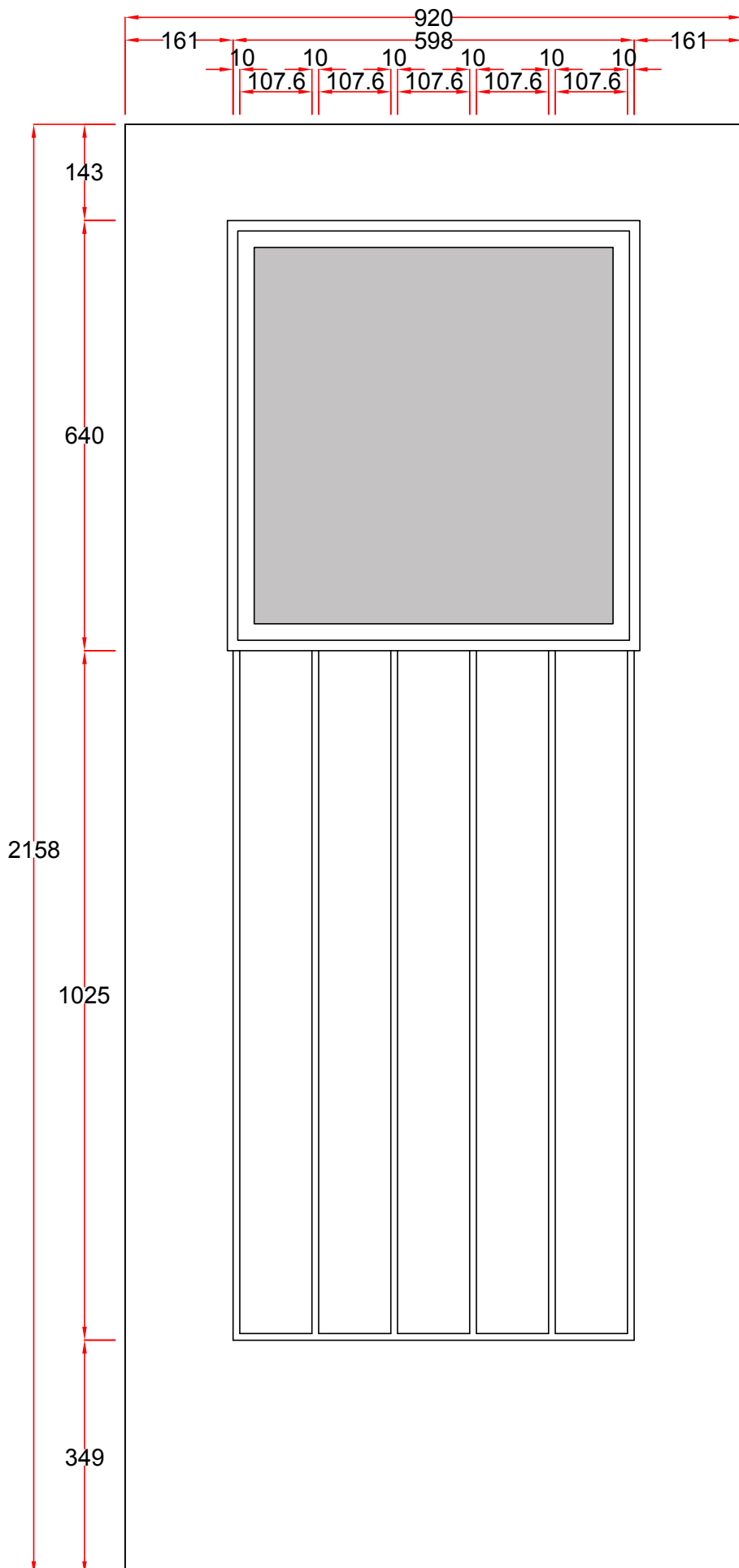
Max = (Max sash height + 56mm + 13mm)

Min = (Min sash height + 56mm + 13mm)

Door Blank Type :PCD

Bonn

MAX SASH SIZE: 910mm X 2109mm MIN SASH SIZE: 724mm X 1866mm



Cassette: 2223
Cut Out: 584mm X 609mm
Glass Size: 558mm X 583mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**
52 Threshold: 32mm+4mm air gap = **36mm**
Ali low threshold open IN = **13mm**
Ali low threshold open OUT = **13mm**
Cill = **30mm**

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)
Min = (Min sash width + 56mm + 56mm)

Height

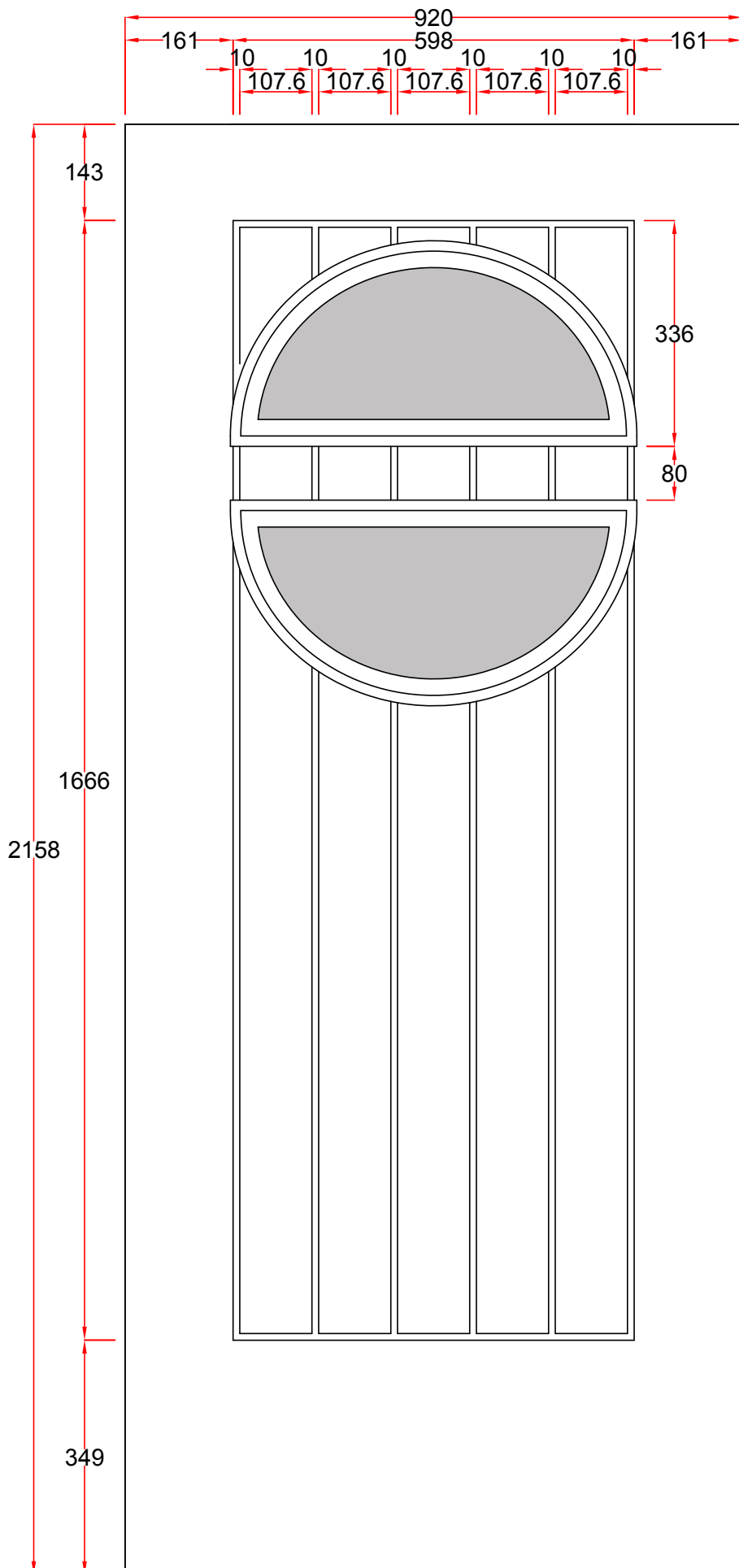
72 Frame low threshold open IN

Max = (Max sash height + 56mm + 13mm)
Min = (Min sash height + 56mm + 13mm)

Door Blank Type :PCD

Berlin

MAX SASH SIZE: **910mm X 2109mm** MIN SASH SIZE: **724mm X 1866mm**



Cassette: 2 OFF HR01
Cut Out: 575mm X 275mm
Glass Size: 550mm X 250mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**
52 Threshold: 32mm+4mm air gap = **36mm**
Ali low threshold open IN = **13mm**
Ali low threshold open OUT = **13mm**
Cill = **30mm**

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)
 Min = (Min sash width + 56mm + 56mm)

Height

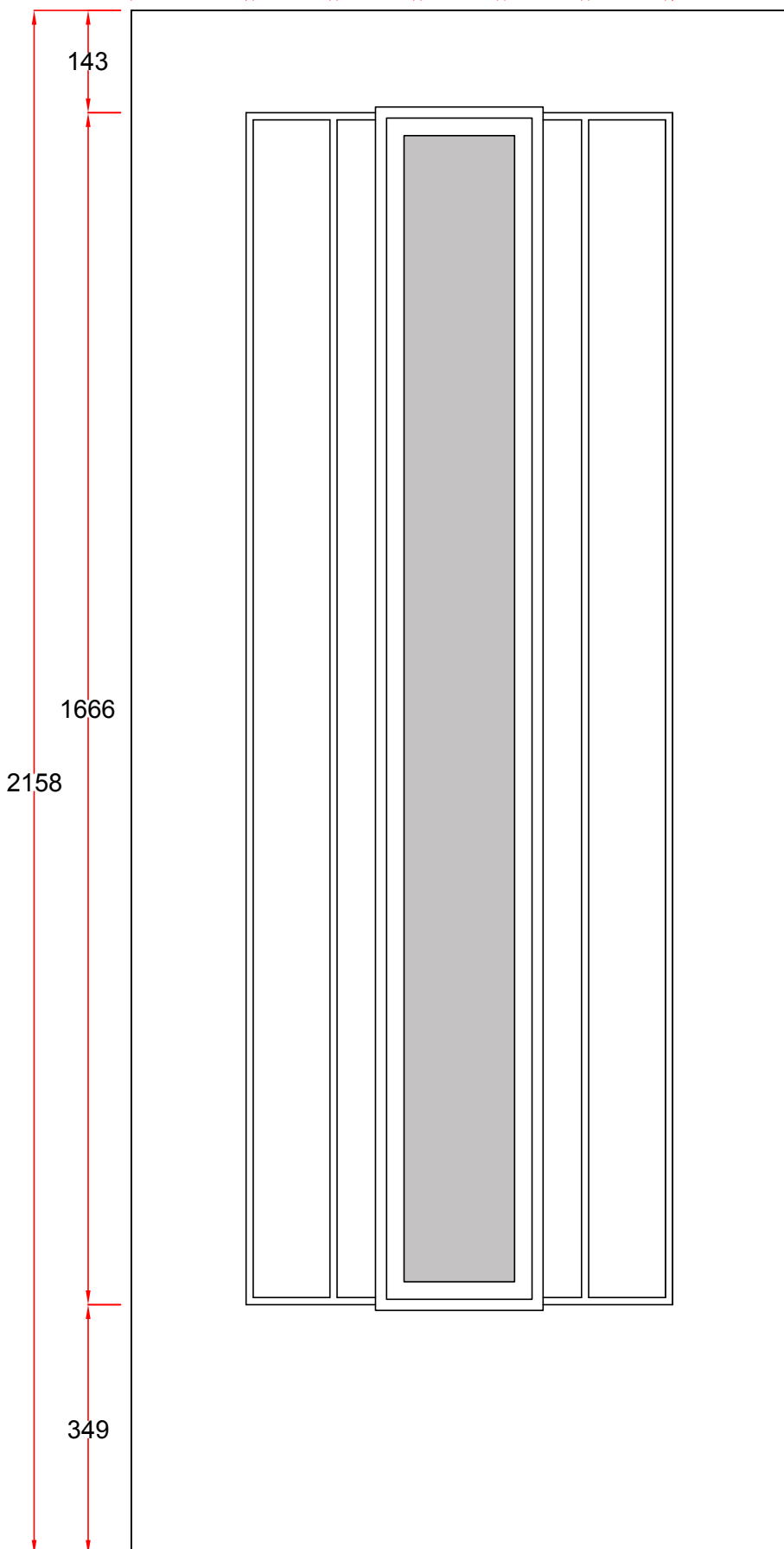
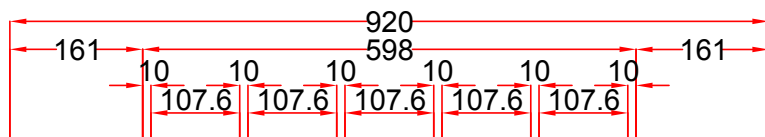
72 Frame low threshold open IN

Max = (Max sash height + 56mm + 13mm)
 Min = (Min sash height + 56mm + 13mm)

Door Blank Type :PCD

Genoa

MAX SASH SIZE: 910mm X 2109mm MIN SASH SIZE: 724mm X 1866mm



Cassette: 0864

Cut Out: 229mm X 1651mm

Glass Size: 203mm X 1625mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**

52 Threshold: 32mm+4mm air gap = **36mm**

Ali low threshold open IN = **13mm**

Ali low threshold open OUT = **13mm**

Cill = **30mm**

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)

Min = (Min sash width + 56mm + 56mm)

Height

72 Frame low threshold open IN

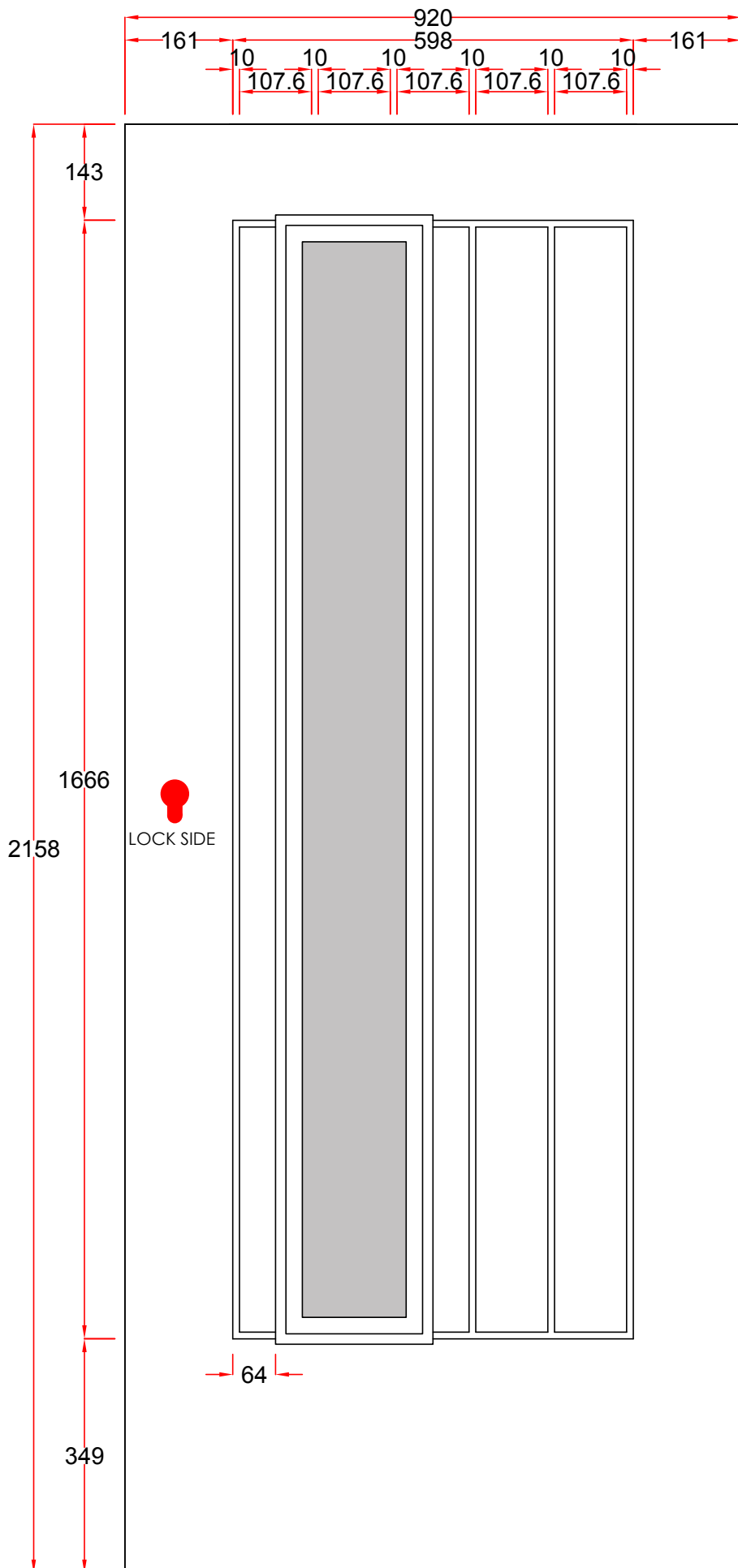
Max = (Max sash height + 56mm + 13mm)

Min = (Min sash height + 56mm + 13mm)

Door Blank Type :PCD

Genoa Left

MAX SASH SIZE: **910mm X 2109mm** MIN SASH SIZE: **724mm X 1866mm**



Cassette: 0864

Cut Out: 229mm X 1651mm

Glass Size: 203mm X 1625mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**

52 Threshold: 32mm+4mm air gap = **36mm**

Ali low threshold open IN = 13mm

Ali low threshold open OUT = 13mm

Cill = 30mm

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)

Min = (Min sash width + 56mm + 56mm)

Height

72 Frame low threshold open IN

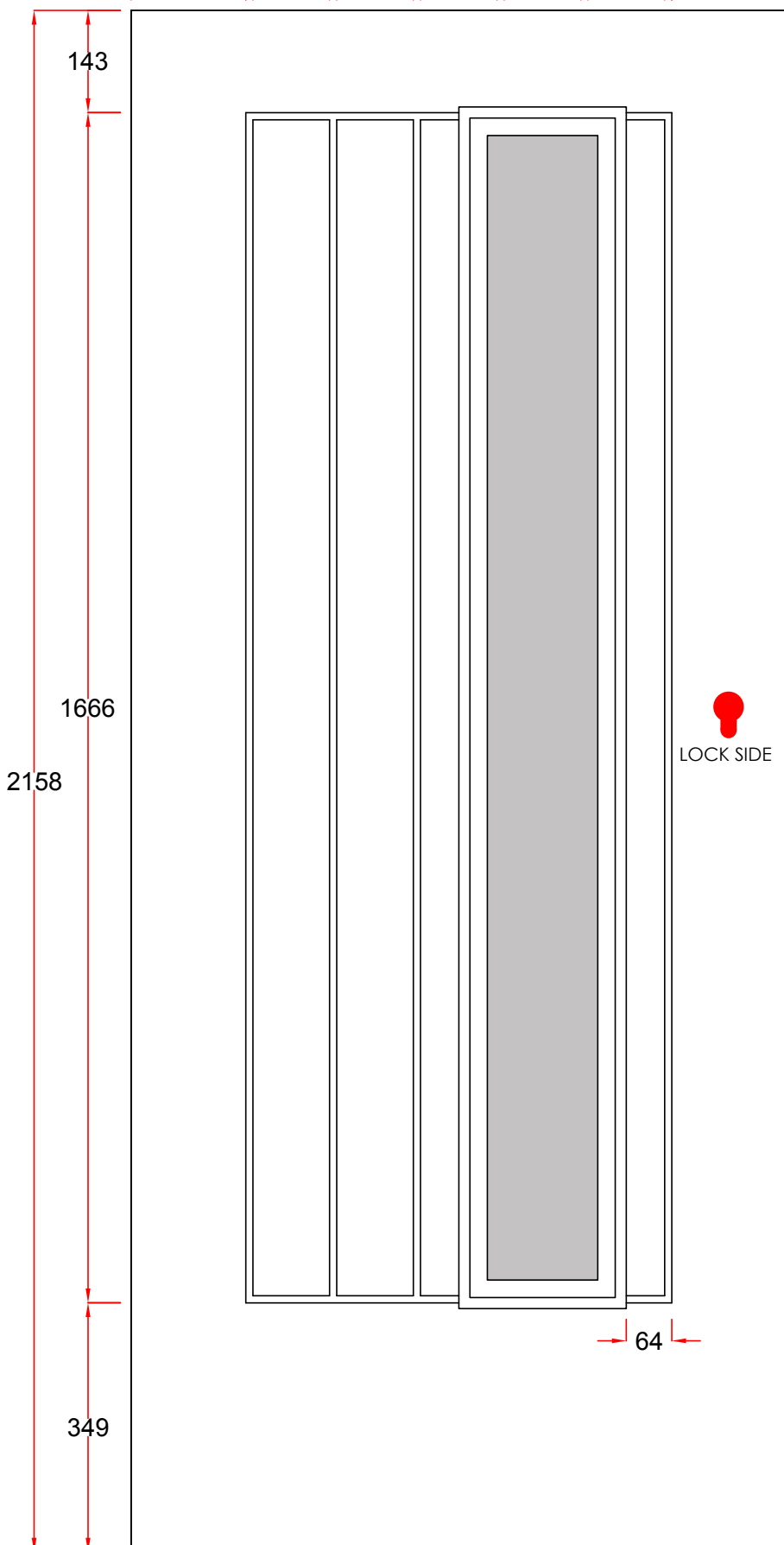
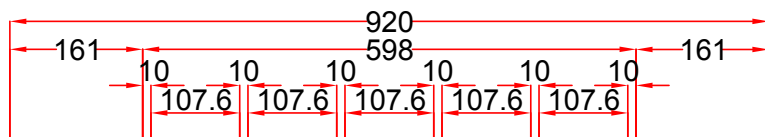
Max = (Max sash height + 56mm + 13mm)

Min = (Min sash height + 56mm + 13mm)

Door Blank Type :PCD

Genoa Right

MAX SASH SIZE: 910mm X 2109mm MIN SASH SIZE: 724mm X 1866mm



Cassette: 0864

Cut Out: 229mm X 1651mm

Glass Size: 203mm X 1625mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**

52 Threshold: 32mm+4mm air gap = **36mm**

Ali low threshold open IN = 13mm

Ali low threshold open OUT = 13mm

Cill = 30mm

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)

Min = (Min sash width + 56mm + 56mm)

Height

72 Frame low threshold open IN

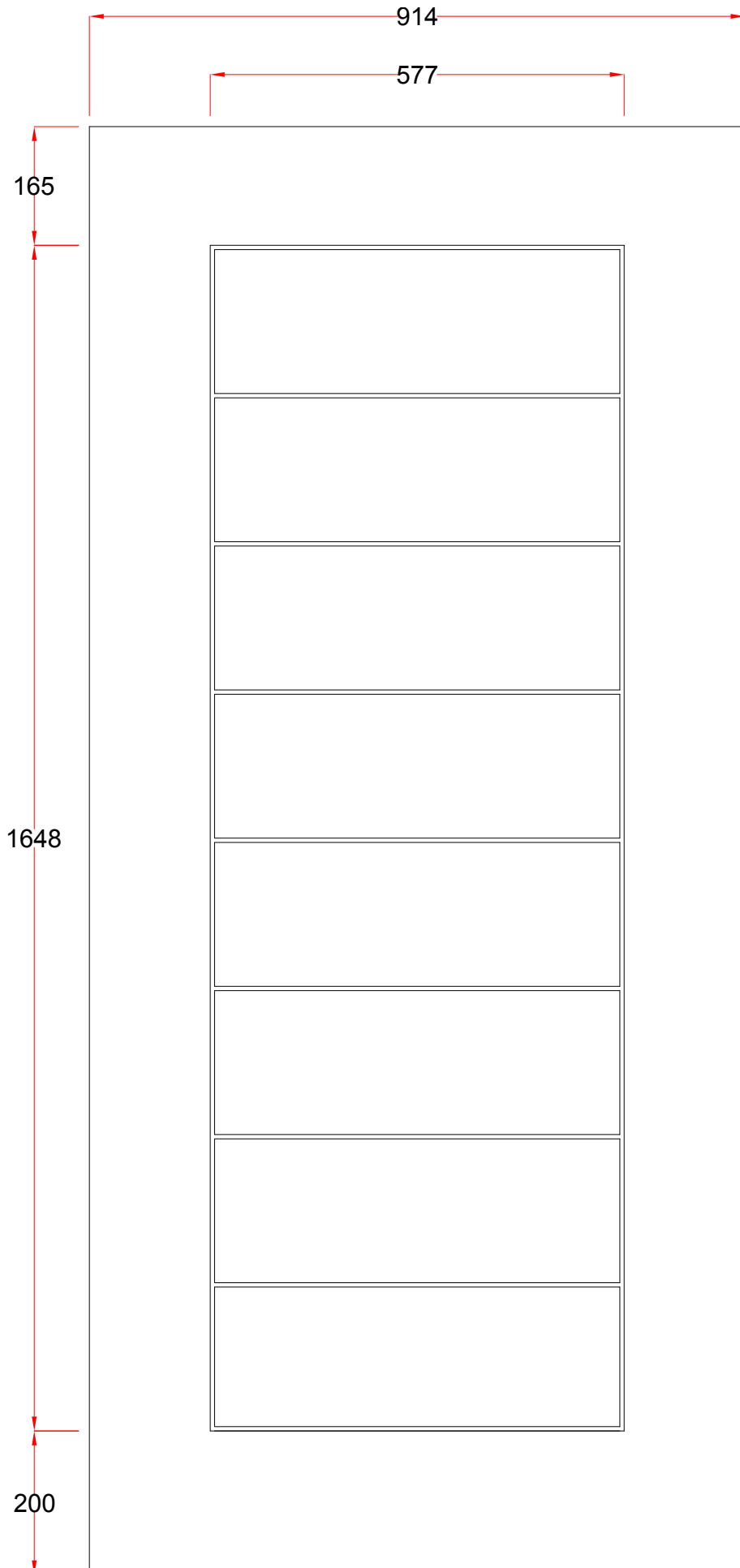
Max = (Max sash height + 56mm + 13mm)

Min = (Min sash height + 56mm + 13mm)

Door Blank Type :Lisbon 8MP

Lisbon

MAX SASH SIZE: 910mm X 2009mm MIN SASH SIZE: 724mm X 1888mm



Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**

52 Threshold: 32mm+4mm air gap = **36mm**

Ali low threshold open IN = **13mm**

Ali low threshold open OUT = **13mm**

Cill = **30mm**

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)

Min = (Min sash width + 56mm + 56mm)

Height

72 Frame low threshold open IN

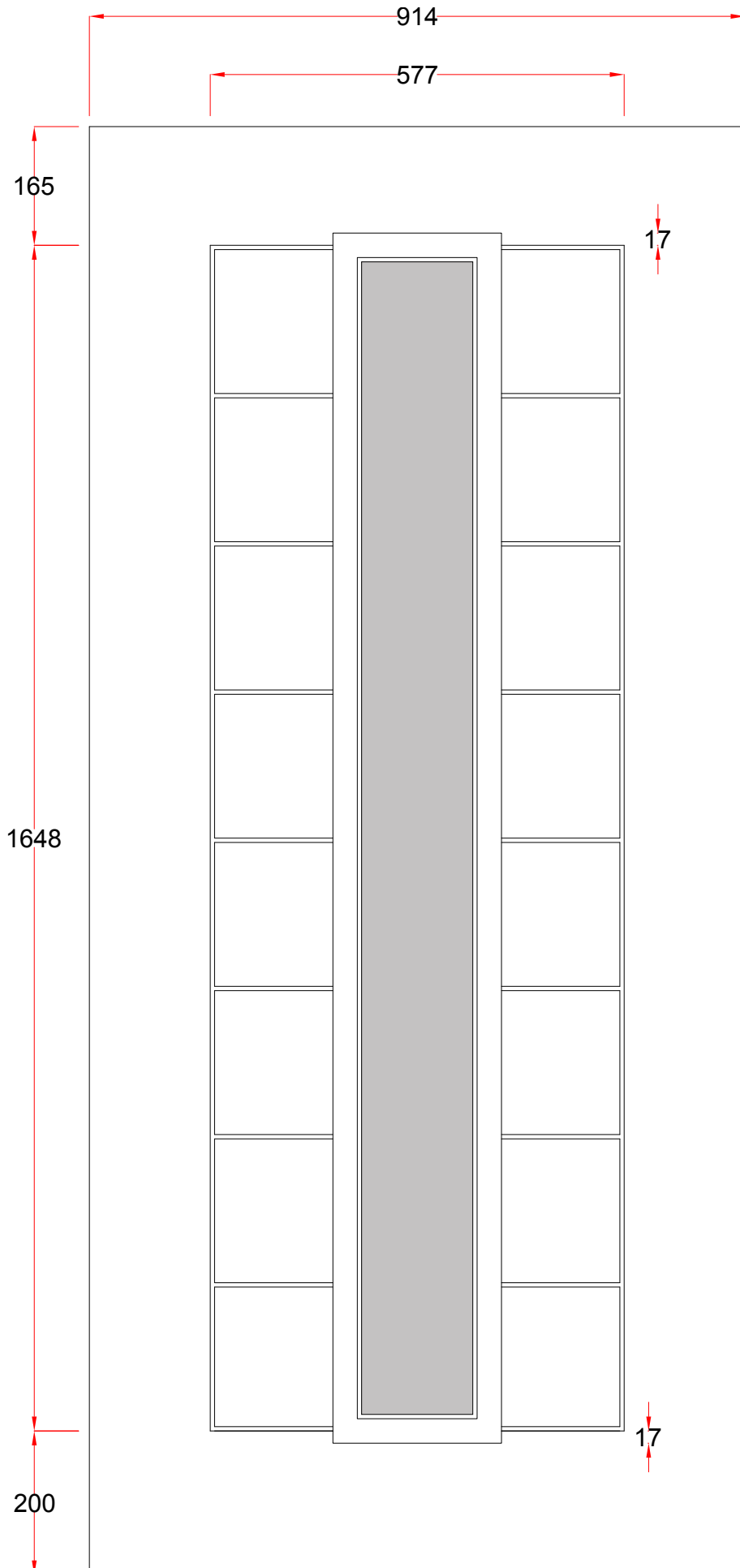
Max = (Max sash height + 56mm + 13mm)

Min = (Min sash height + 56mm + 13mm)

Door Blank Type :Lisbon 8MP

Madrid 1625

MAX SASH SIZE: 910mm X 2009mm MIN SASH SIZE: 724mm X 1888mm



MODERN

Cassette: 0764

Cut Out: 204mm X 1651mm

Glass Size: 177mm X 1625mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**

52 Threshold: 32mm+4mm air gap = **36mm**

Ali low threshold open IN = **13mm**

Ali low threshold open OUT = **13mm**

Cill = **30mm**

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)

Min = (Min sash width + 56mm + 56mm)

Height

72 Frame low threshold open IN

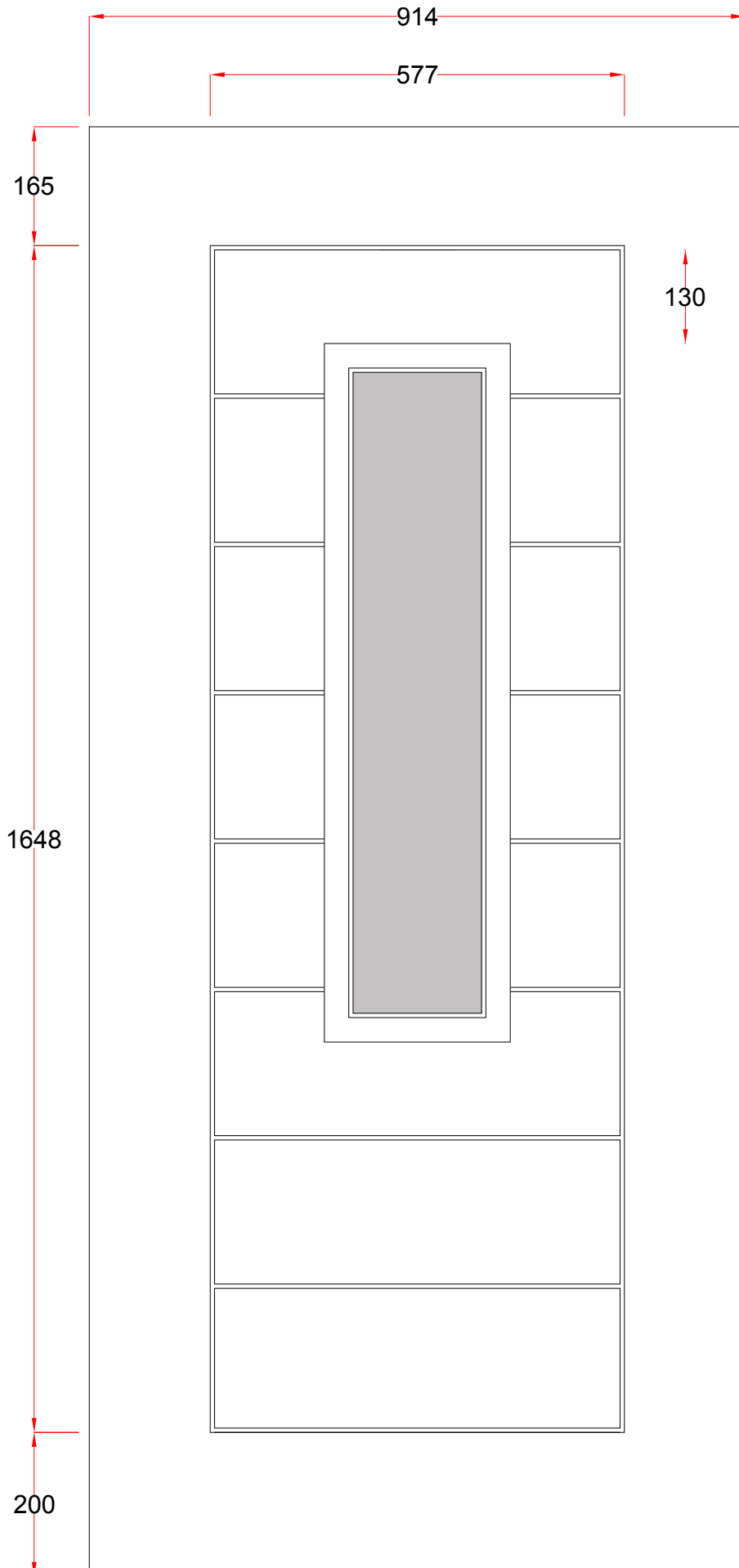
Max = (Max sash height + 56mm + 13mm)

Min = (Min sash height + 56mm + 13mm)

Door Blank Type :Lisbon 8MP

Madrid 1219

MAX SASH SIZE: 910mm X 2009mm MIN SASH SIZE: 724mm X 1888mm



MODERN

Cassette: 0836

Cut Out: 229mm X 940mm

Glass Size: 203mm X 1219mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**

52 Threshold: 32mm+4mm air gap = **36mm**

Ali low threshold open IN = **13mm**

Ali low threshold open OUT = **13mm**

Cill = **30mm**

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)

Min = (Min sash width + 56mm + 56mm)

Height

72 Frame low threshold open IN

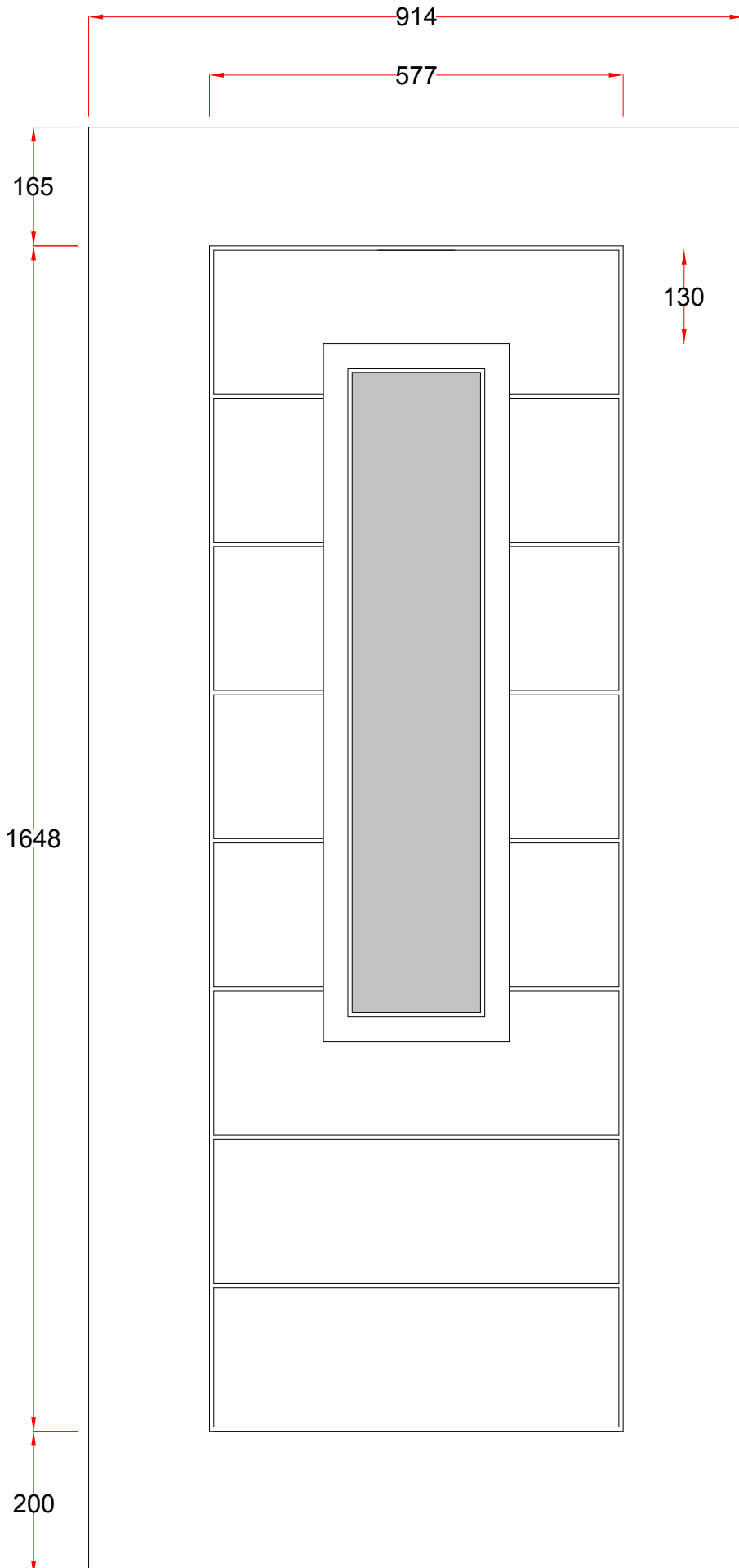
Max = (Max sash height + 56mm + 13mm)

Min = (Min sash height + 56mm + 13mm)

Door Blank Type :Lisbon 8MP

Madrid 912

MAX SASH SIZE: 910mm X 2009mm MIN SASH SIZE: 724mm X 1888mm



MODERN

Cassette: 0836

Cut Out: 229mm X 940mm

Glass Size: 203mm X 912mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**

52 Threshold: 32mm+4mm air gap = **36mm**

Ali low threshold open IN = 13mm

Ali low threshold open OUT = 13mm

Cill = 30mm

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)

Min = (Min sash width + 56mm + 56mm)

Height

72 Frame low threshold open IN

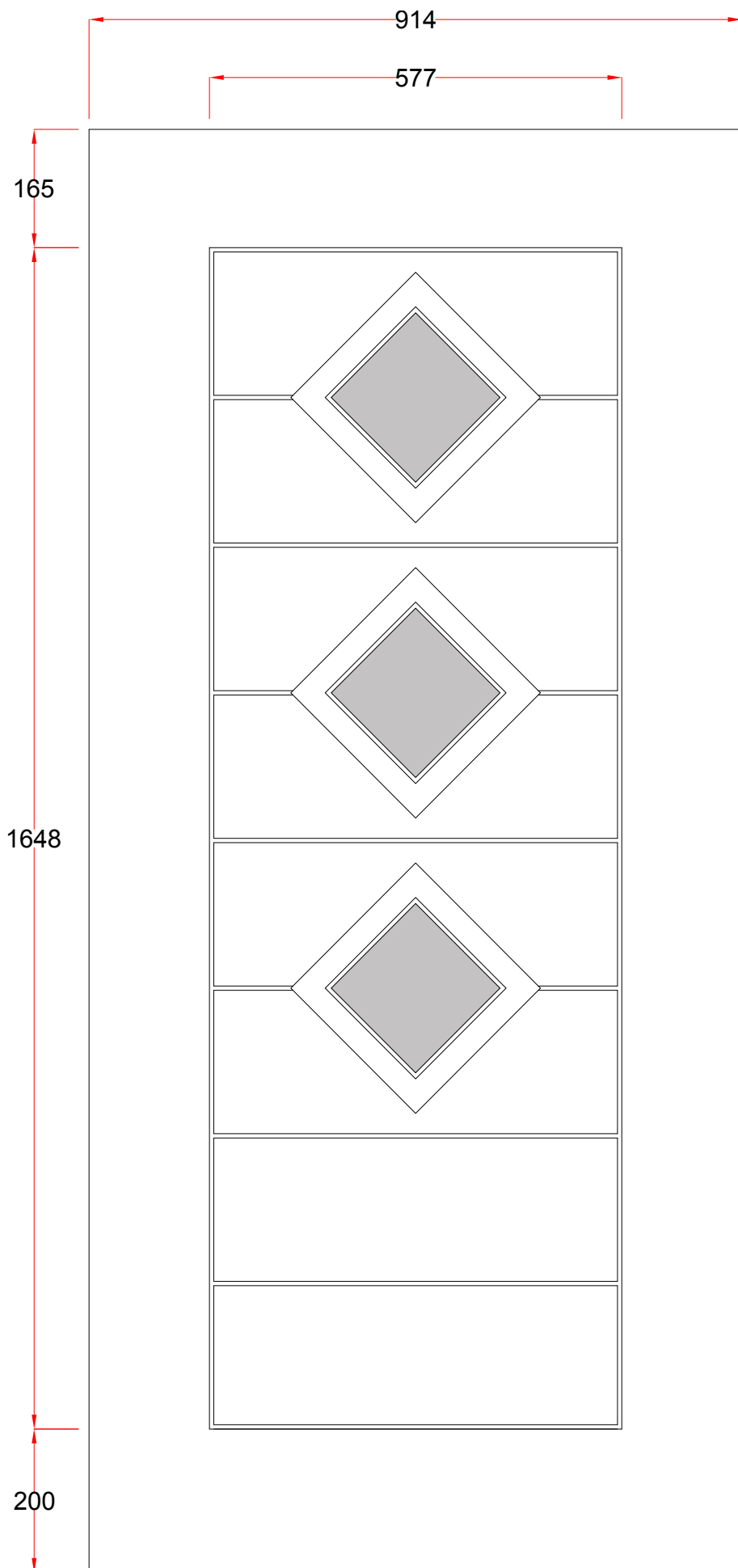
Max = (Max sash height + 56mm + 13mm)

Min = (Min sash height + 56mm + 13mm)

Door Blank Type :Lisbon 8MP

Palma

MAX SASH SIZE: 910mm X 2009mm MIN SASH SIZE: 724mm X 1888mm



MODERN

Cassette: 3 off 0808

Cut Out: 203mm X 203mm

Glass Size: 229mm X 229mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = **56mm**

52 Threshold: 32mm+4mm air gap = **36mm**

Ali low threshold open IN = 13mm

Ali low threshold open OUT = 13mm

Cill = 30mm

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)

Min = (Min sash width + 56mm + 56mm)

Height

72 Frame low threshold open IN

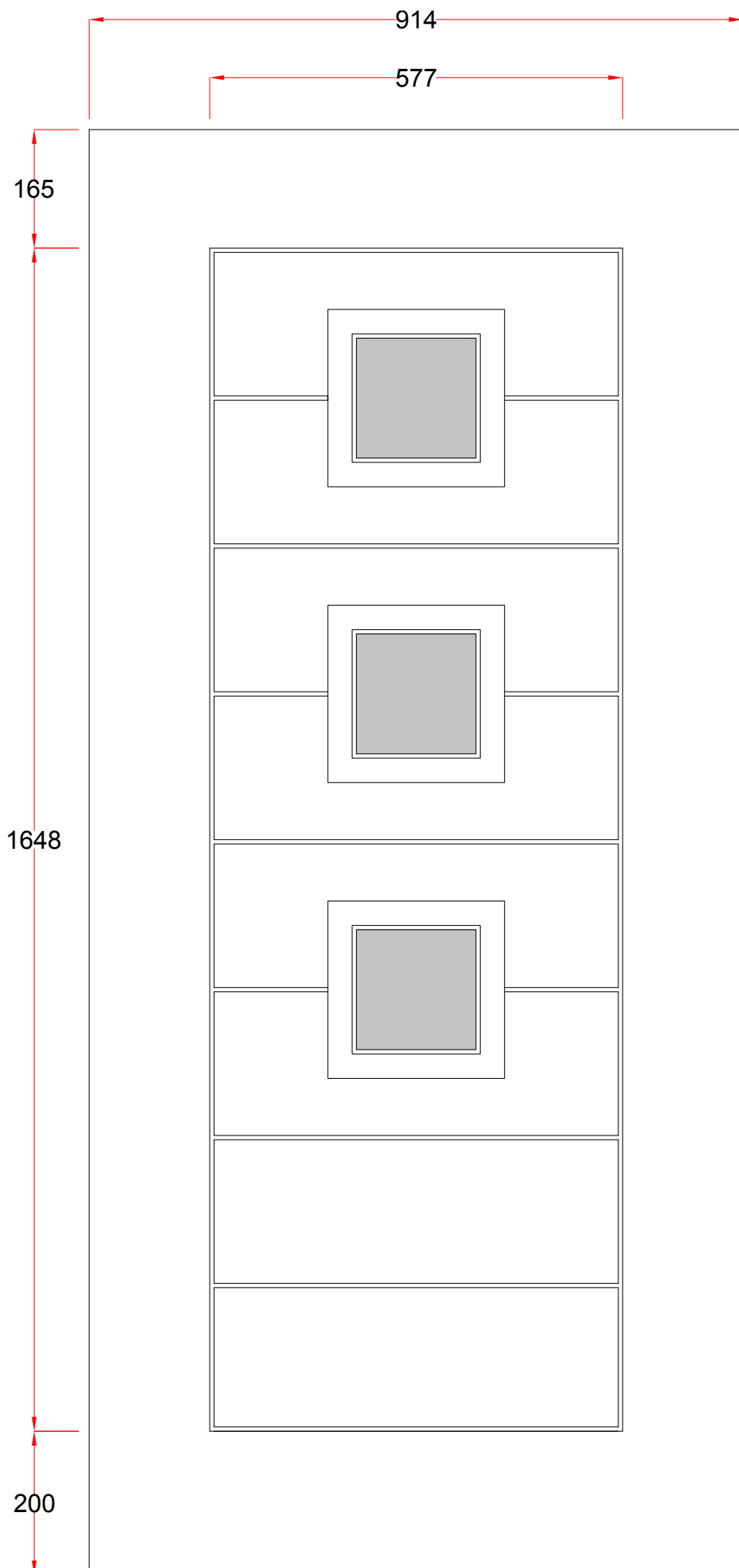
Max = (Max sash height + 56mm + 13mm)

Min = (Min sash height + 56mm + 13mm)

Door Blank Type :Lisbon 8MP

Valencia

MAX SASH SIZE: 910mm X 2009mm MIN SASH SIZE: 724mm X 1888mm



MODERN

Cassette: 3 off 0808

Cut Out: 203mm X 203mm

Glass Size: 229mm X 229mm

Profile Dimensions:

72 Frame: 52mm+4mm air gap = 56mm

52 Threshold: 32mm+4mm air gap = 36mm

Ali low threshold open IN = 13mm

Ali low threshold open OUT = 13mm

Cill = 30mm

Width

72 Frame

Max = (Max sash width + 56mm + 56mm)

Min = (Min sash width + 56mm + 56mm)

Height

72 Frame low threshold open IN

Max = (Max sash height + 56mm + 13mm)

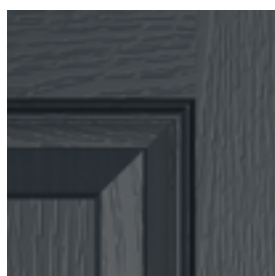
Min = (Min sash height + 56mm + 13mm)

Colours

Door and Frame Colours



Black
RAL 9005



Anthracite Grey
RAL 7016



Olive Grey
RAL 7002



Pebble Grey
RAL 7032



Agate Grey
RAL 7038



Blue
RAL 5011



Tranquil Blue
RAL 5001



Duck Egg Blue
NCS 2020B



Teal
RAL 5021



Aubergine
RAL 4007



Green
RAL 6009



Woodland Green
RAL 6025



Chartwell Green
BS 14C35



Red
RAL 3011



Candy Red
RAL 3020



Sweet Pink
RAL 3015



Clementine
RAL 2000



Canary Yellow
RAL 1018



Cream
RAL 9001



White
RAL 9016

Frame Colour Options

EXTERNAL

White
Anthracit Grey
Black
Rosewood
Light Oak

INTERNAL

White
White
White
White
White

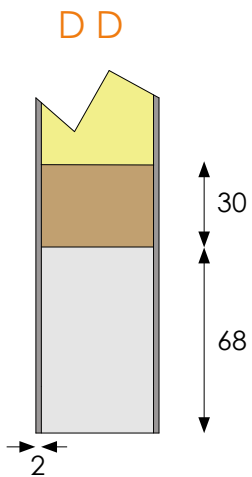
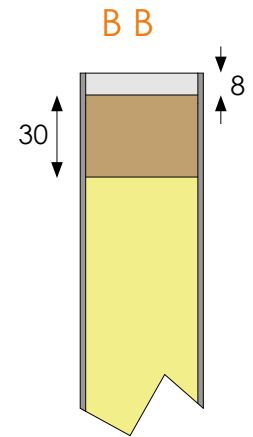
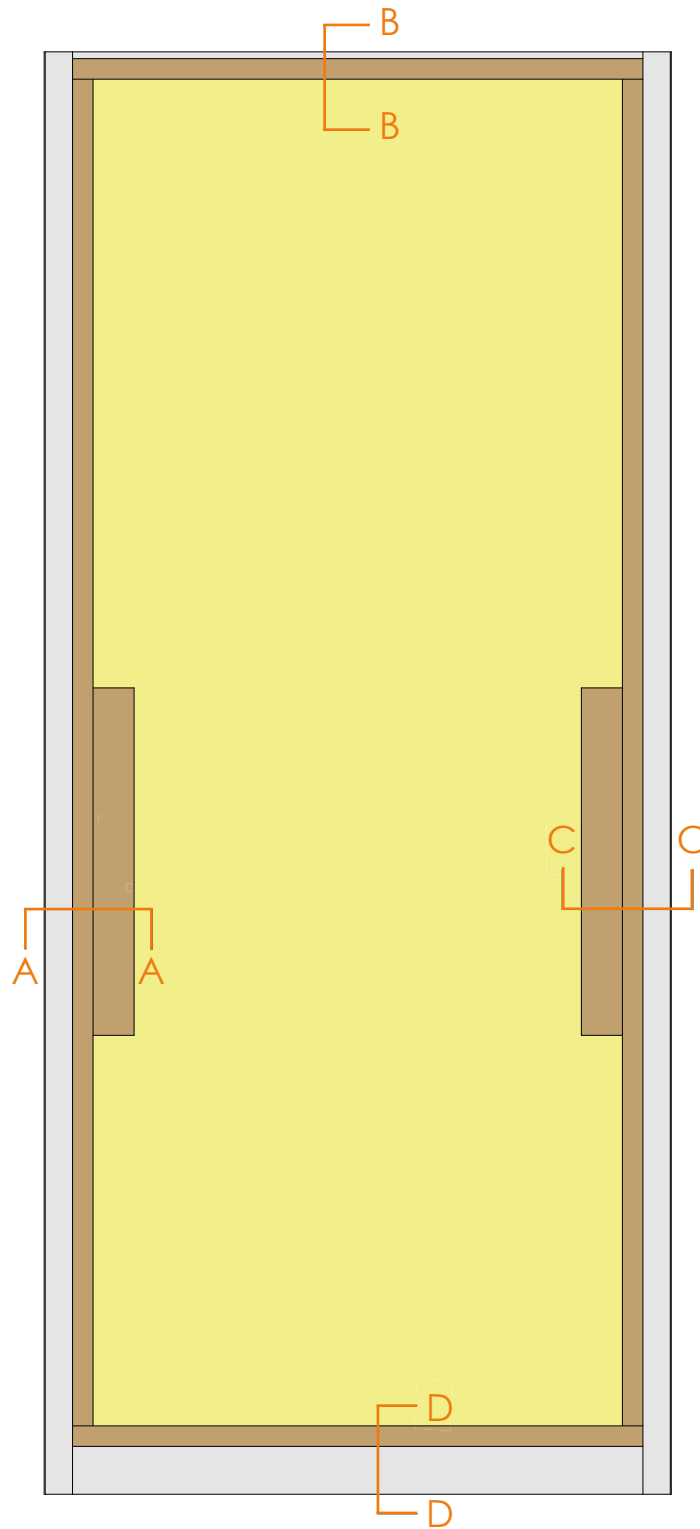
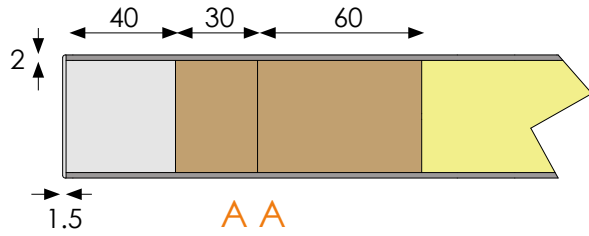
Furniture Colours

Orange box shows availability.

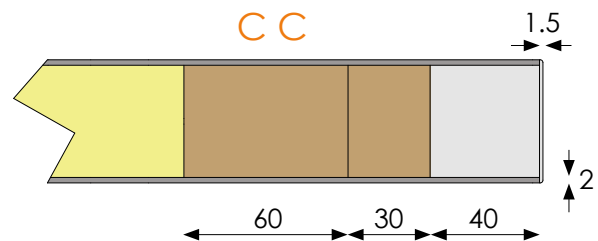
	CHROME	GRAPHITE	GOLD	BLACK	WHITE	STAINLESS	BRASS	NICKEL	ANTIQU BLACK
LETTER PLATE									
TS008 LETTER PLATE									
LEVER HANDLE									
PAD HANDLE									
NUMERALS									
KNOCKERS									
KNOBS									
SPY HOLE									
ESCUTCHEON									
CYLINDER PULL									
IN LINE BAR HANDLE 600									
IN LINE BAR HANDLE 1200									
CONTEMPORARY KNOCKER									
OFFSET BAR HANDLE 600									
OFFSET BAR HANDLE 1200									
STANDARD HINGE									
OPTIONAL HINGE									
1 STAR CYLINDER									
3 STAR CYLINDER									

Internal Construction

None PASS 24

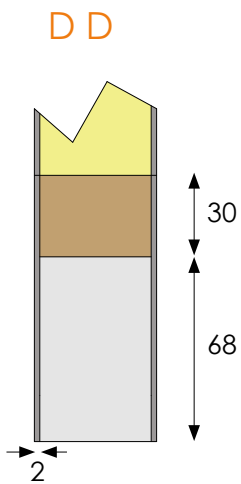
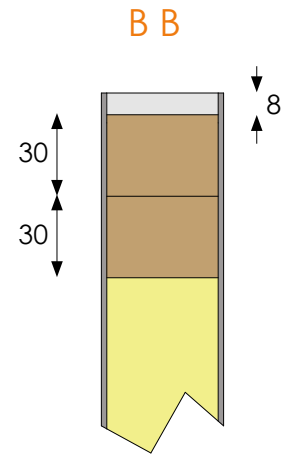
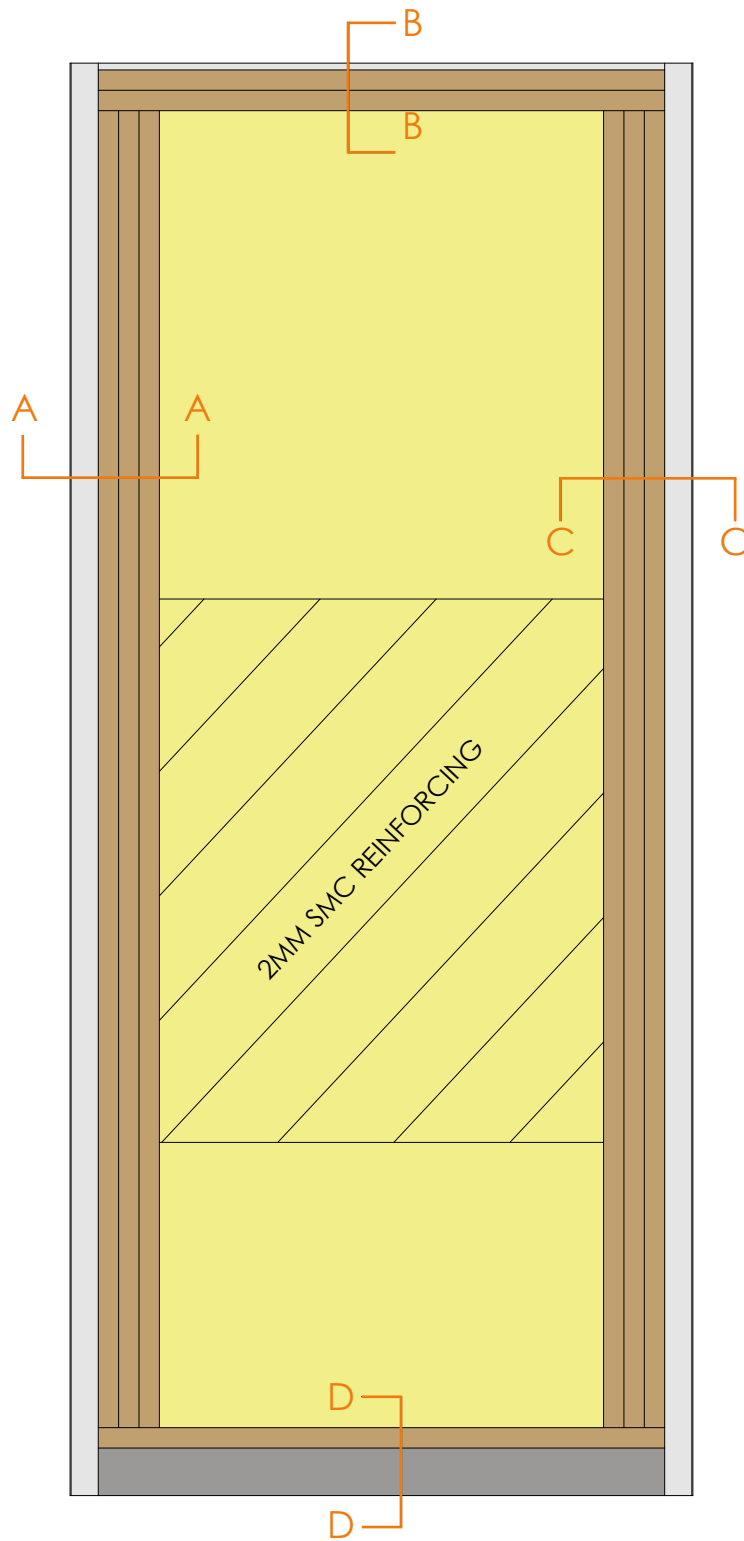
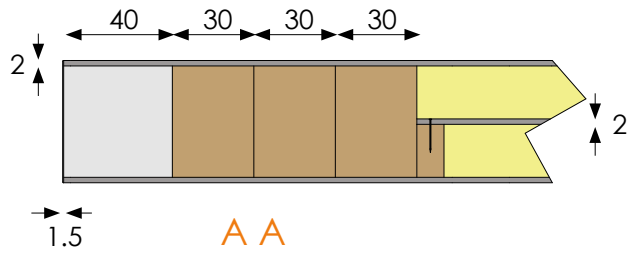


- Polyurethane Foam
- L.V.L. (laminated veneer lumber)
- PVC
- S.M.C (Sheet moulding Compound)

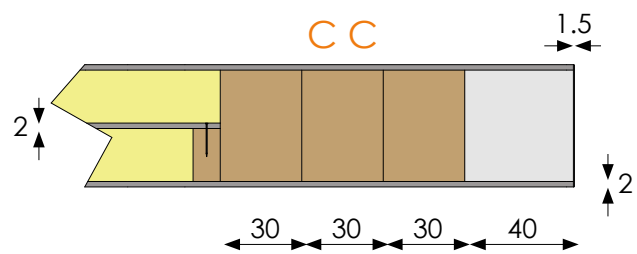


Internal Construction

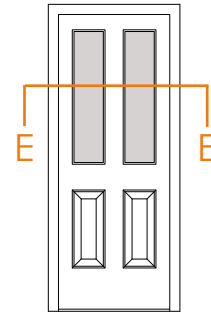
PASS 24



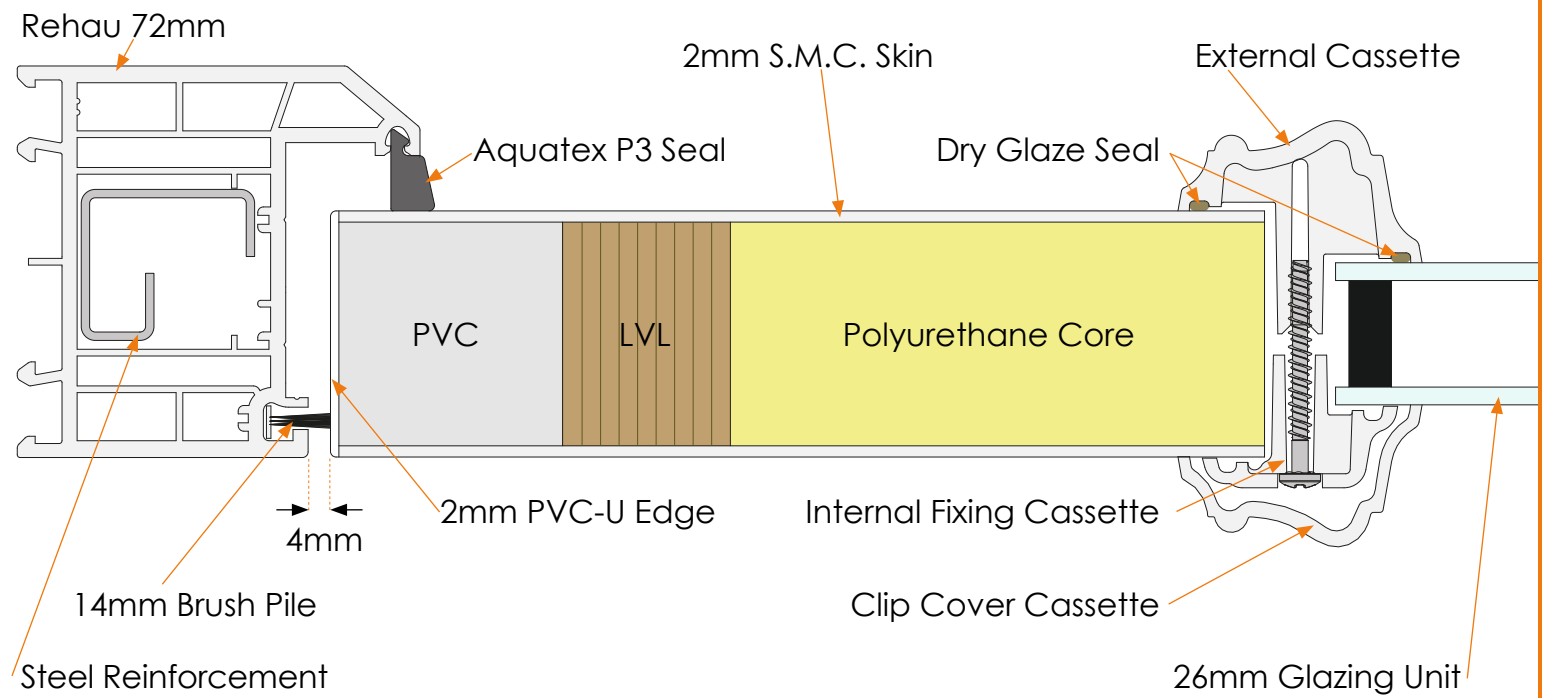
- Polyurethane Foam
- L.V.L (laminated veneer lumber)
- PVC
- S.M.C (Sheet moulding Compound)



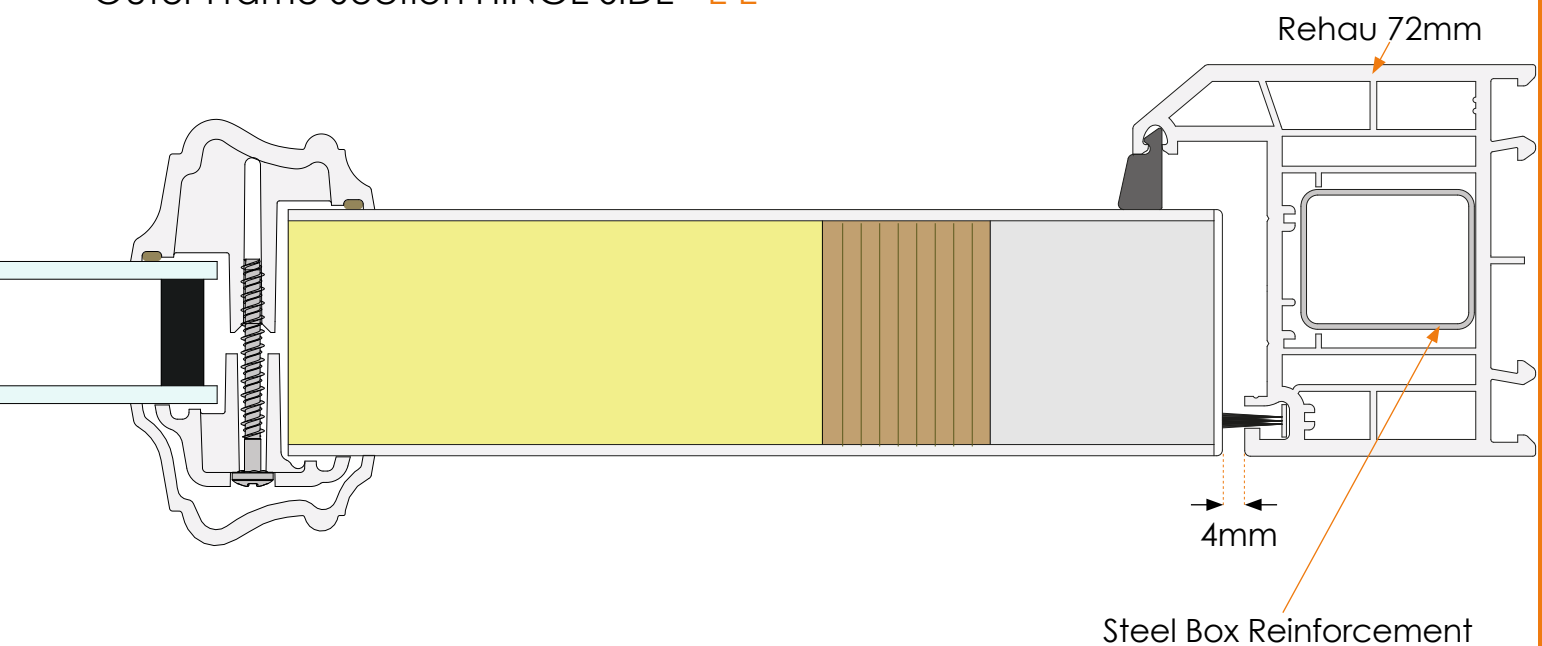
Outer Frame Construction Sections

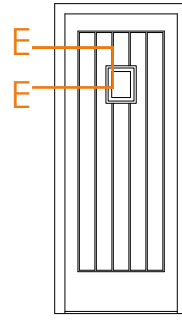


Outer Frame Section KEEP SIDE - E E

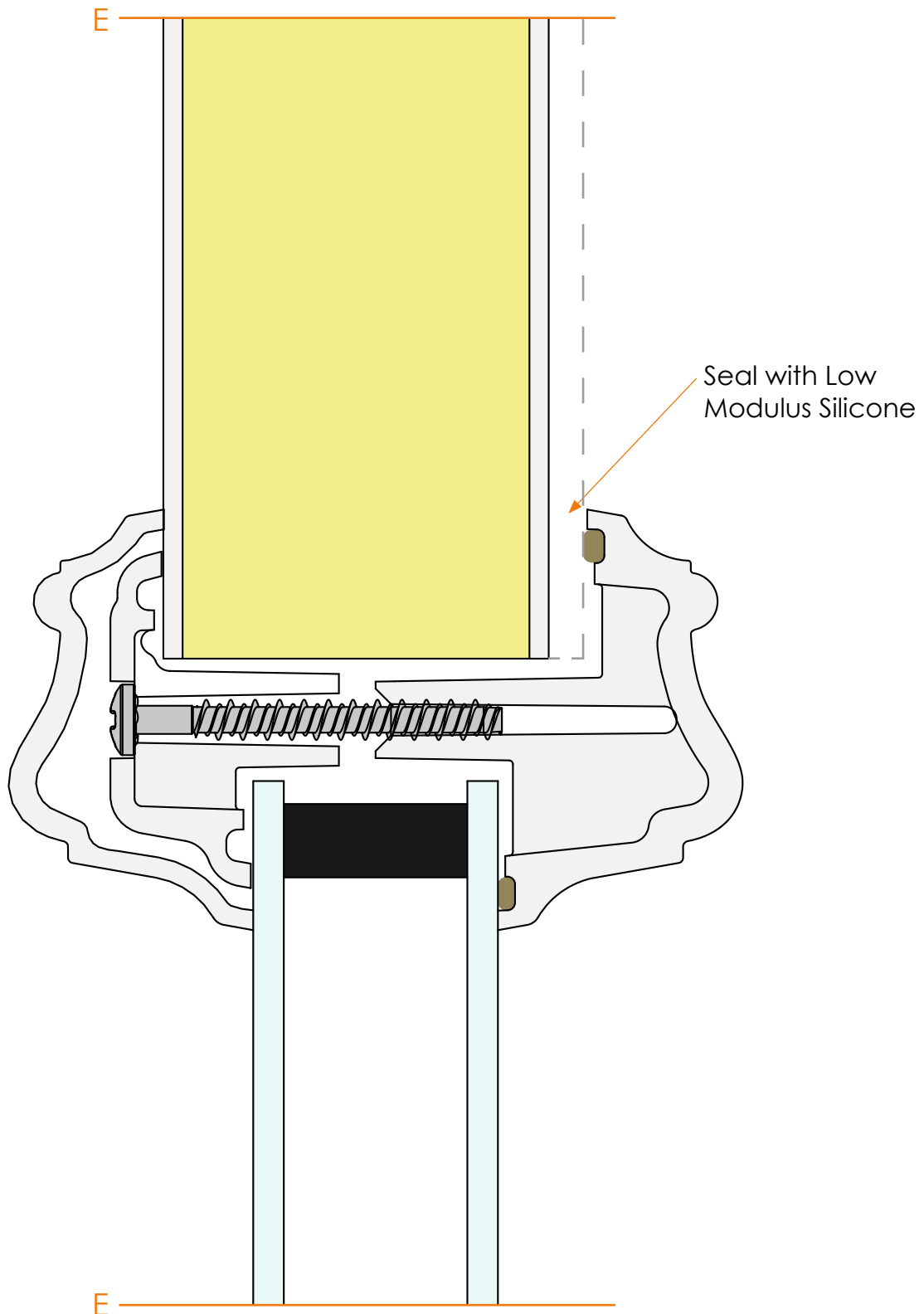


Outer Frame Section HINGE SIDE - E E

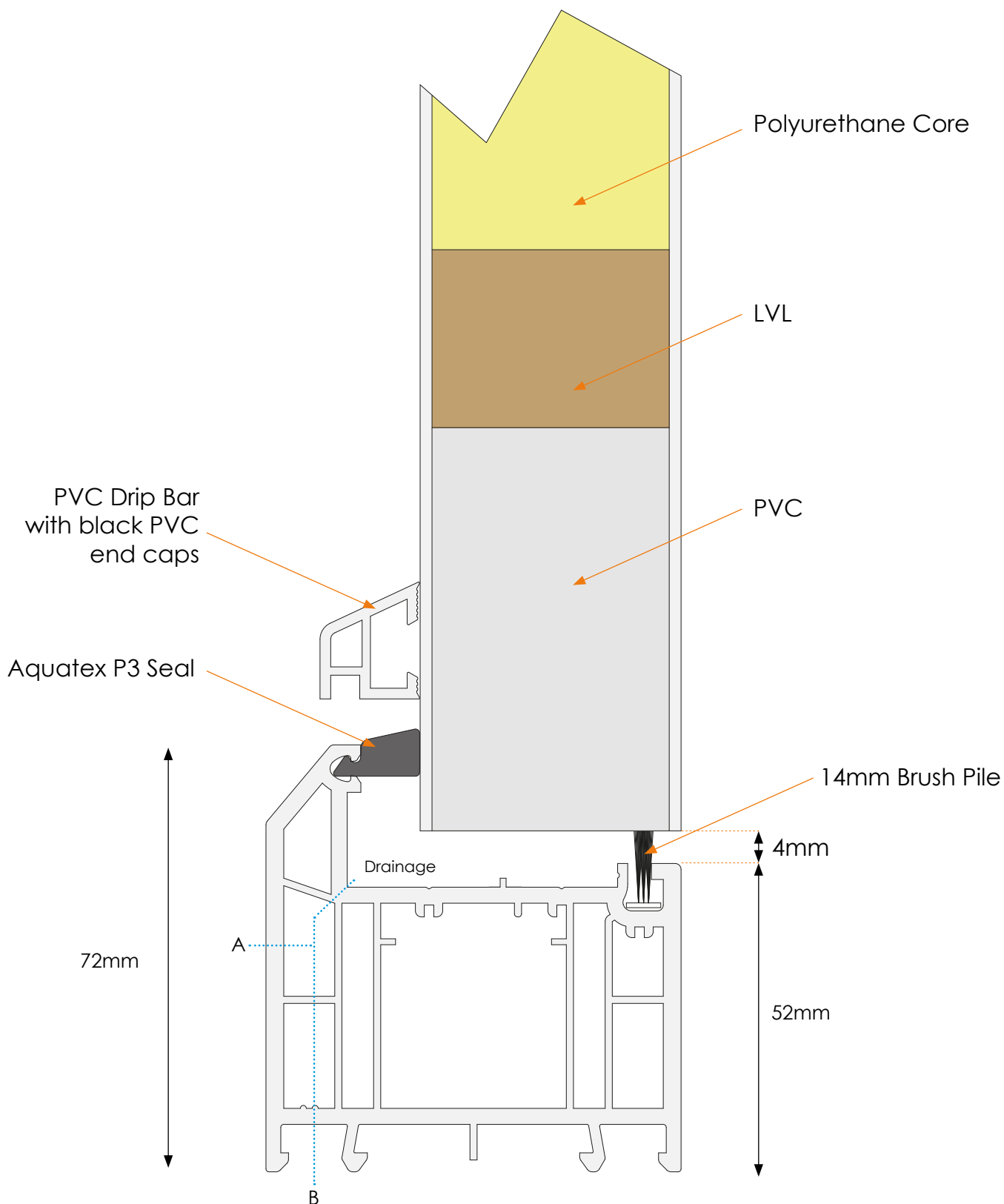




Cassette Section in line with the moulding detail



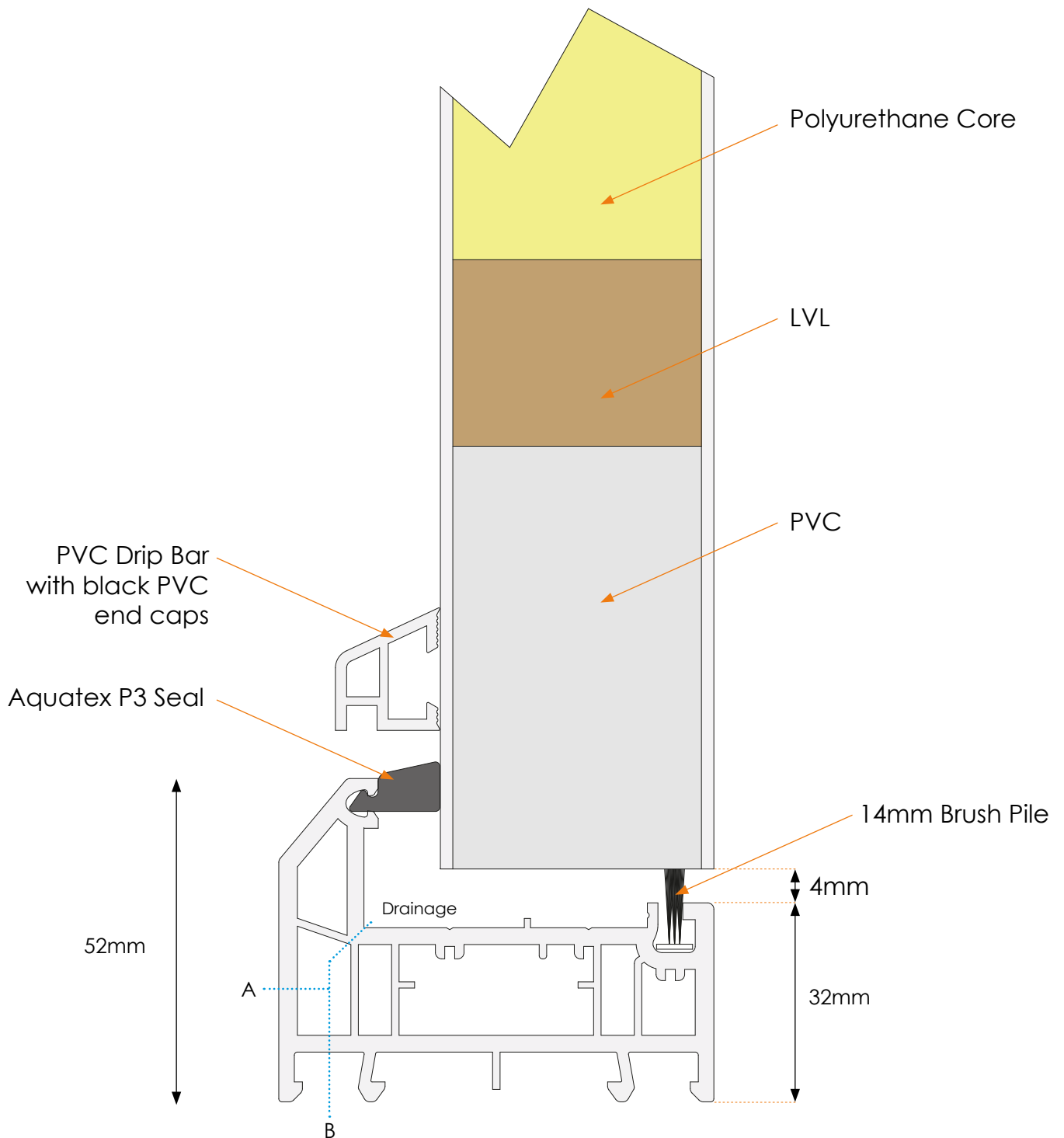
Full PVC-U Threshold



A= Face Drainage
(Slots 5mm x 35mm)

B= Concealed Drainage

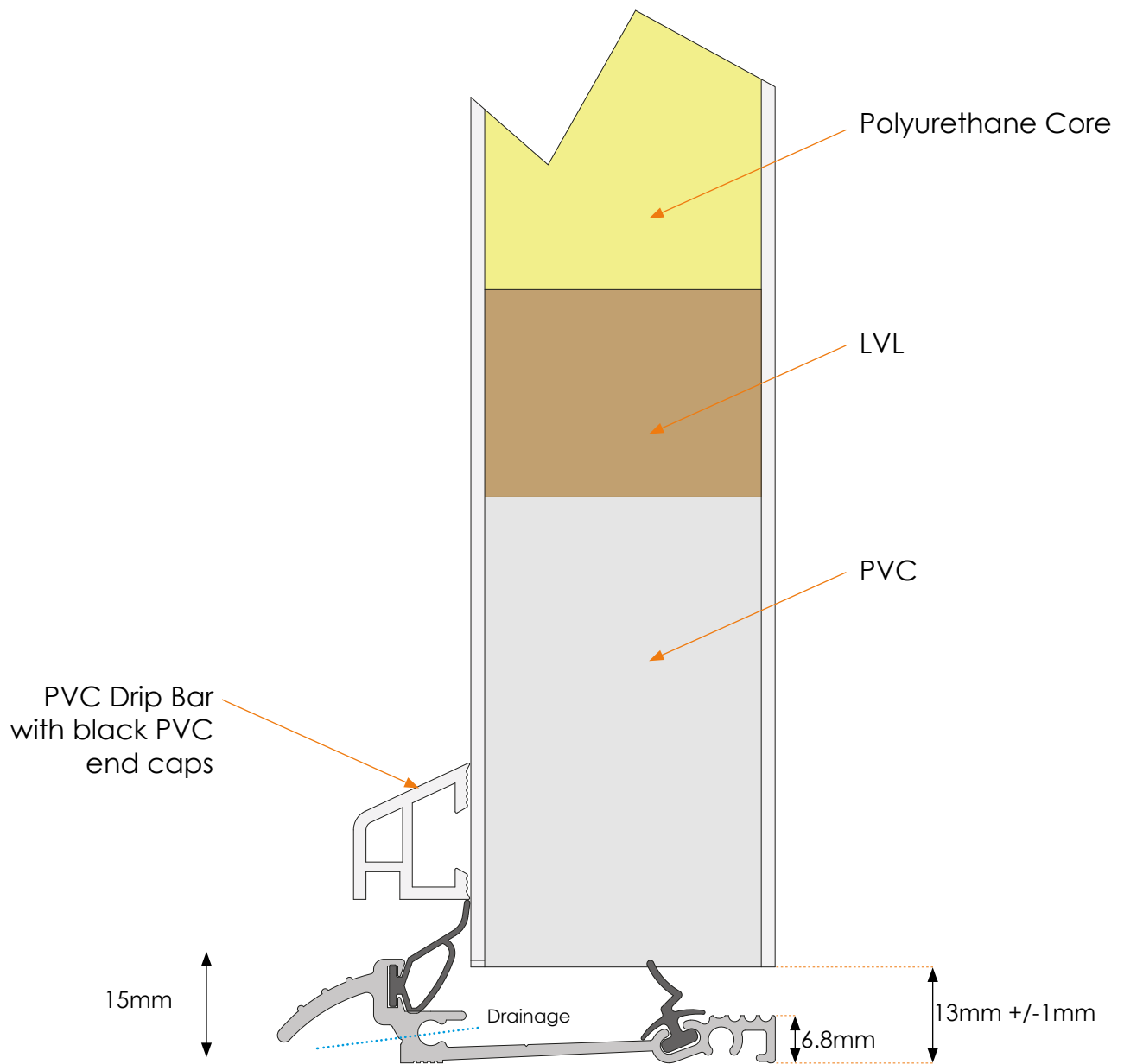
Slim PVC-U Threshold



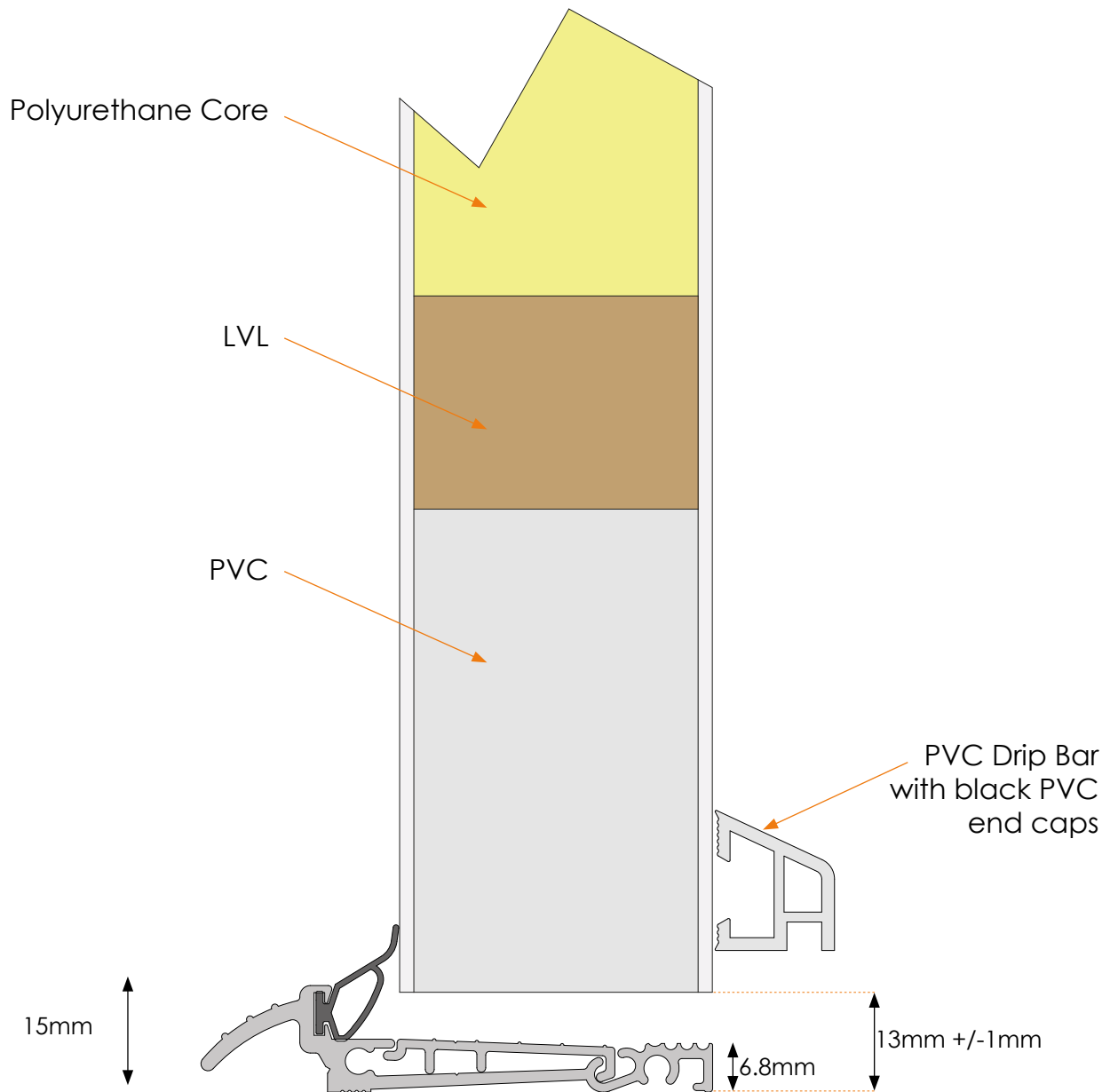
A= Face Drainage
(Slots 5mm x 35mm)

B= Concealed Drainage

Open IN Aluminium Threshold



Open OUT Aluminium Threshold

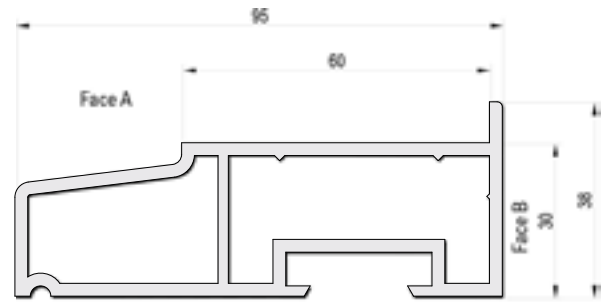


Cill Details

95mm Cill

Art.546360

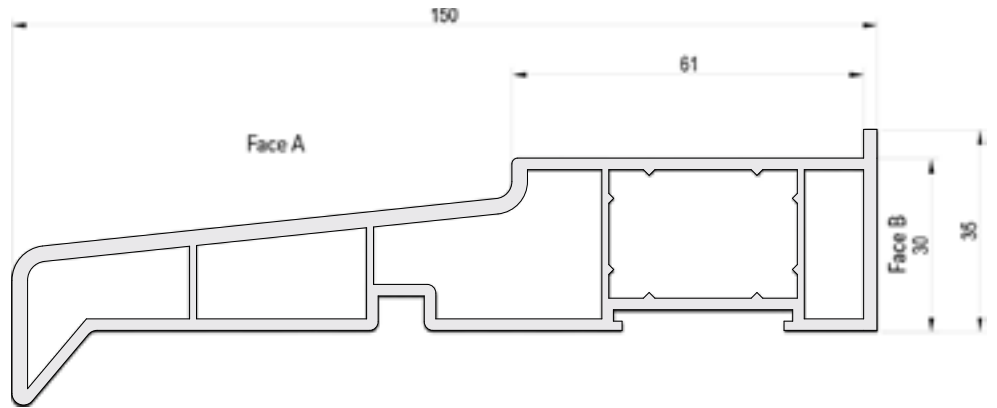
Reinforcement 50 x 15



150mm Cill

Art.246330

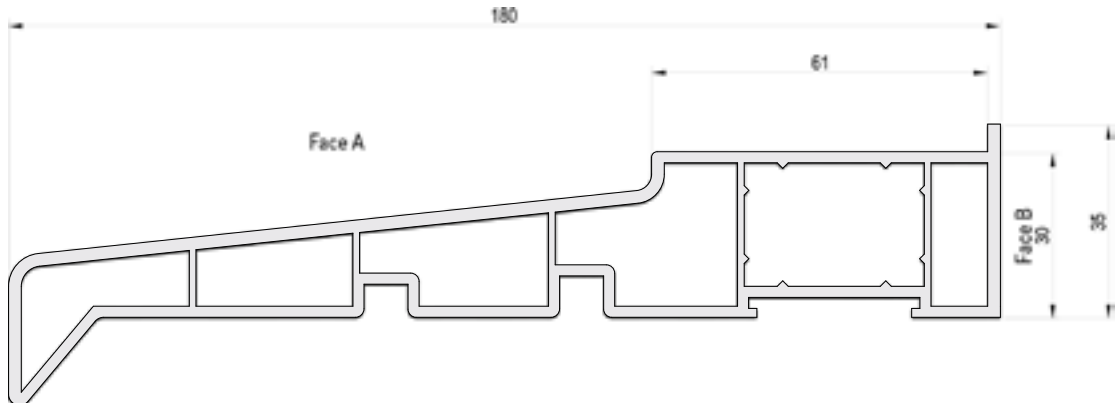
Reinforcement 30 x 20



180mm Cill

Art.246340

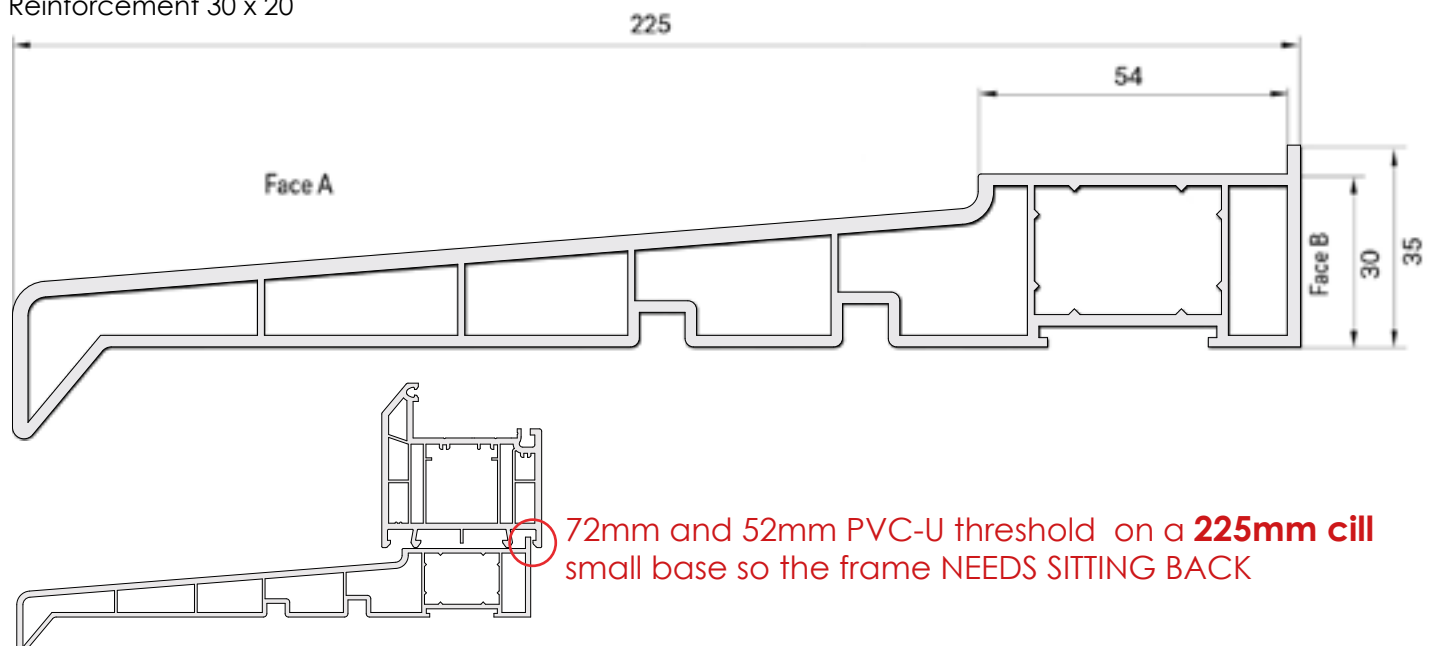
Reinforcement 30 x 20



225mm Cill

Art.503940

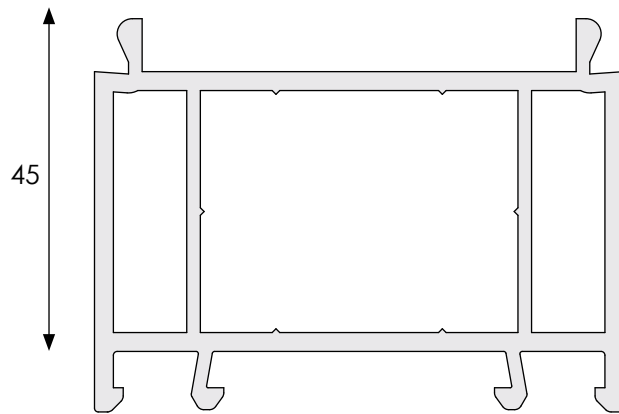
Reinforcement 30 x 20



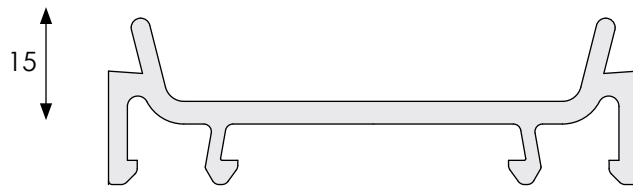
Face A & Face B used to identify foiled face

Add On / Frame Extension

45mm Add On / Frame Extension

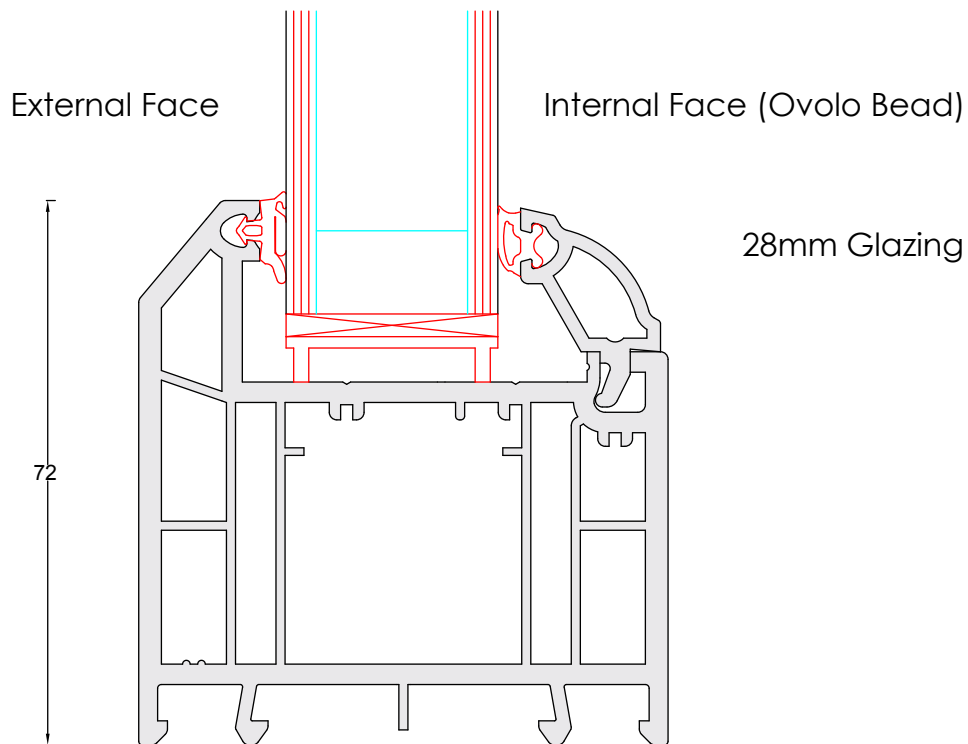


15mm Add On / Frame Extension

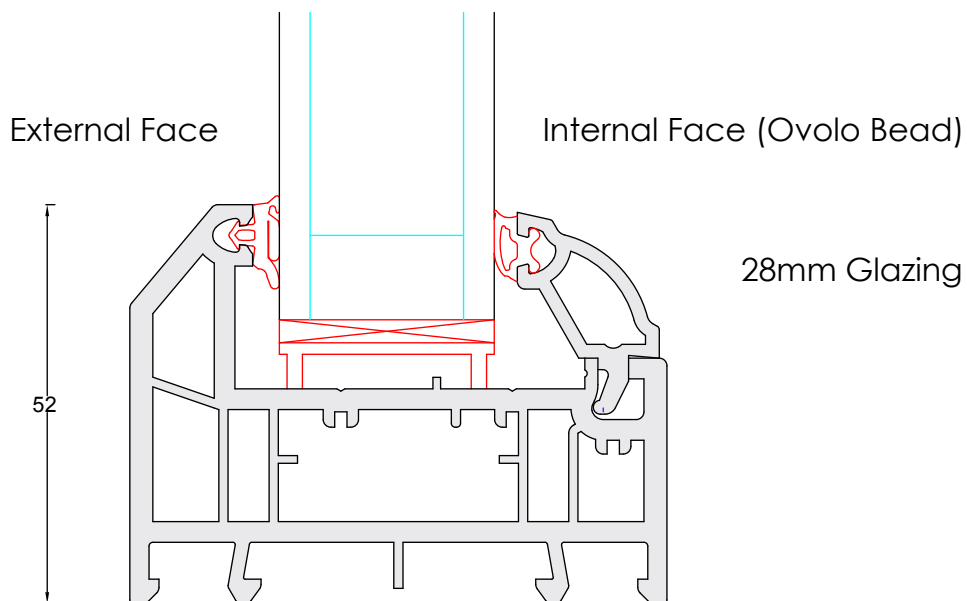


Side Frame Details

72mm Side Frame



52mm Side Frame



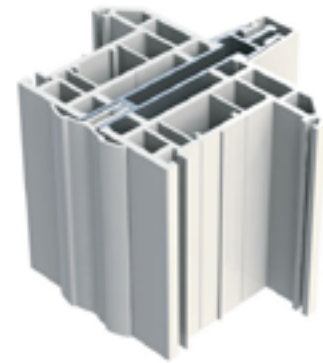
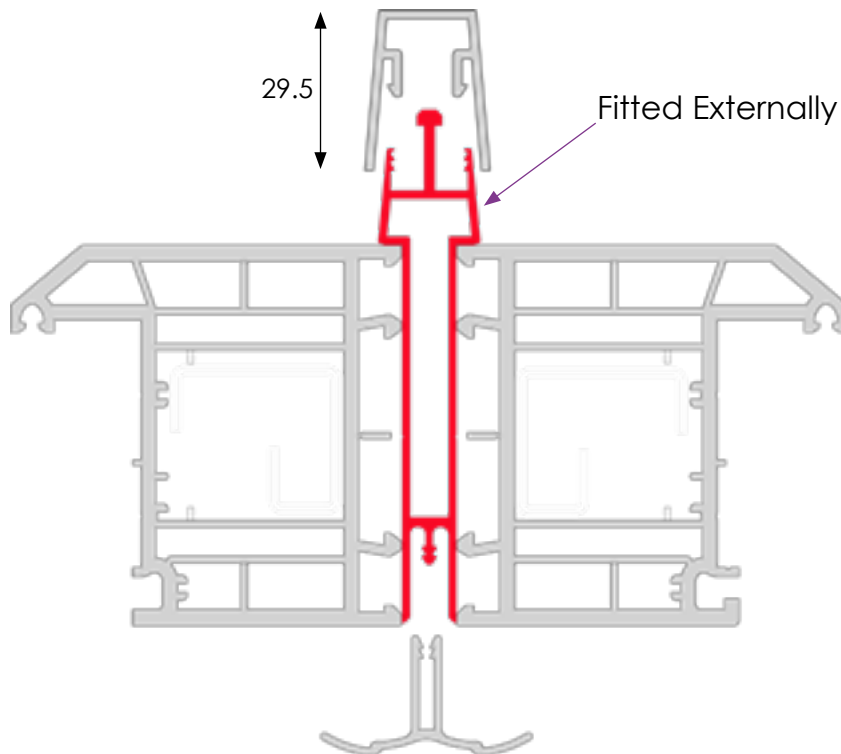
Not used as a door outer frame only used as a low PVCu threshold

Coupling Bar Detail

Heavy Weight Coupler (10mm wide)

Protruding

Recommended for the higher exposure category. The coupler protrudes this makes it the strongest design of all couplers offered.

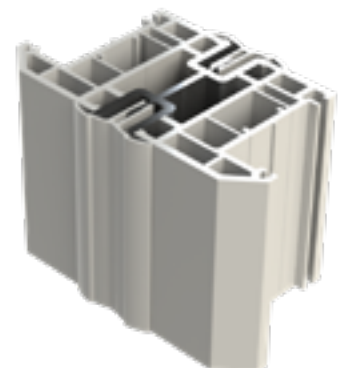
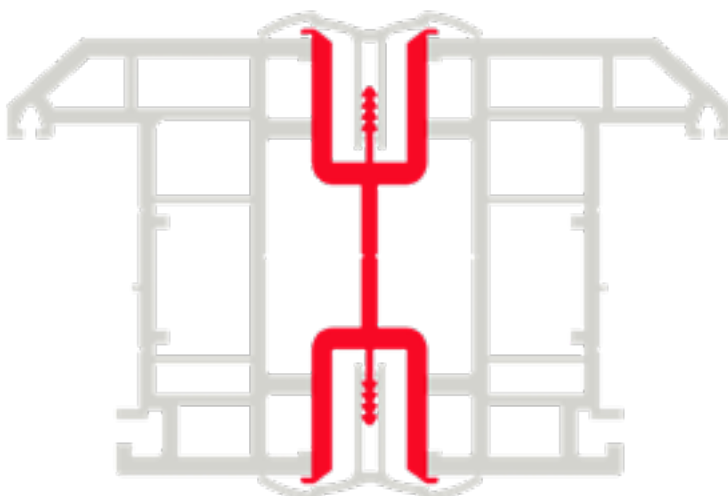


CODE	WWL153
IXX (cm)	27.95
IYY (cm)	0.79
DEDUCTION	5mm Per Frame

Medium Weight Coupler (20mm wide)

Flush Fitting

Recommended where a higher exposure category or larger side frames is requested and the couplers remain Flush to the door frame



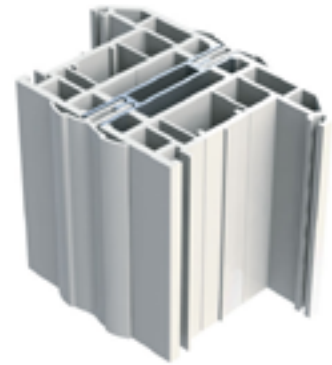
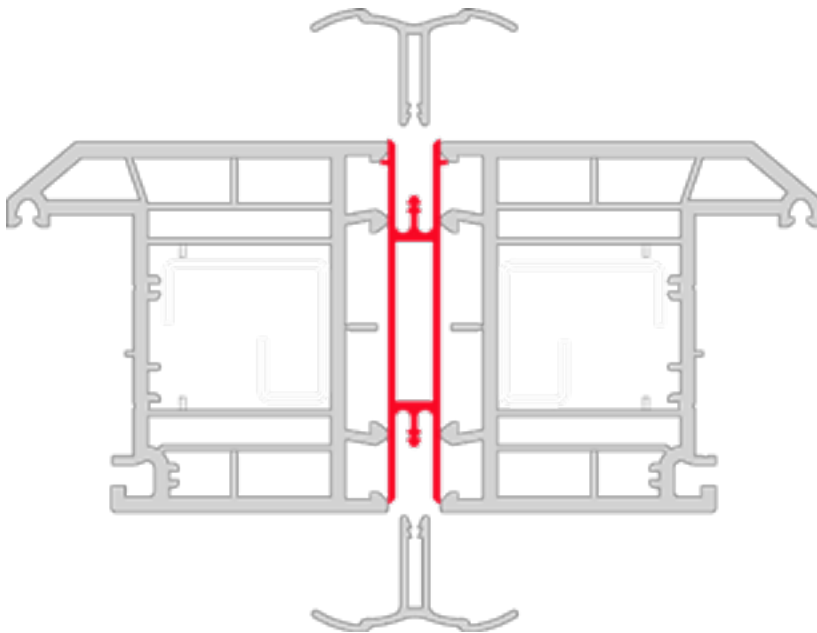
CODE	WWL106
IXX (cm)	24.5
IYY (cm)	2.4
DEDUCTION	10mm Per Frame

Coupling Bar Detail

Light Weight Coupler (10mm wide)

Flush Fitting

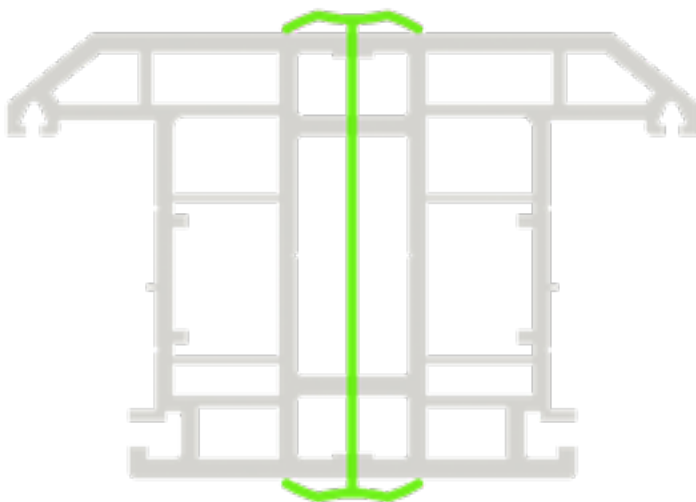
Recommended in lower exposure zones and for the narrower side frames.



CODE	WWL150
IXX (cm)	9.97
IYY (cm)	0.40
DEDUCTION	5mm Per Frame

1.5mm Coupler (1.5mm wide)
PVC-U

Only use on single door fanlights

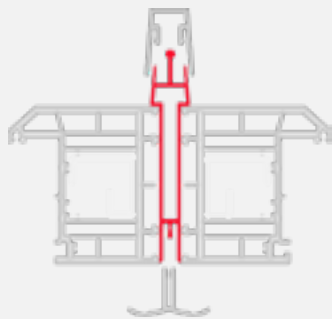


CODE	PFC70
IXX (cm)	0
IYY (cm)	10
DEDUCTION	0.75mm Per Frame

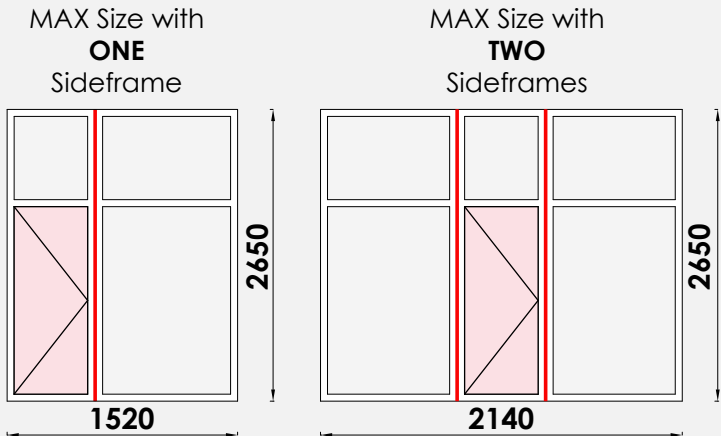
Side Frame / Coupling Bar Max Sizes

72mm Reinforced Outer Frame to achieve 800PA.

Heavy Duty (10mm wide)
Rigidity : Very High

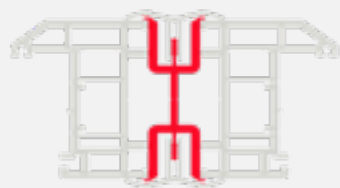


The door size cannot be larger than 900mm x 2070mm

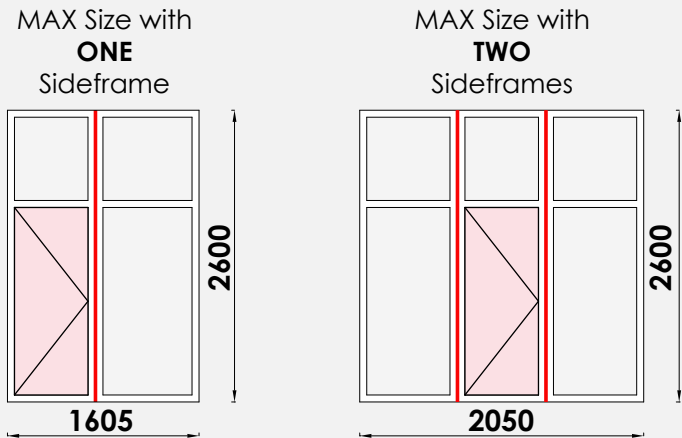


MAX Sizes for Side Frames constructed from 72mm Reinforced Outer Frame using Heavy Duty Coupler

Medium Duty Coupler (20mm Wide)
Rigidity : High

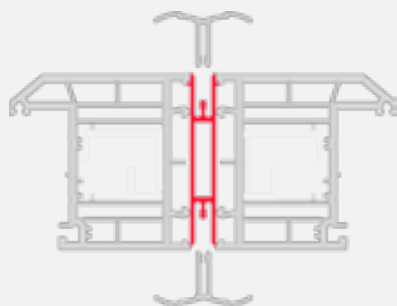


The door size cannot be larger than 900mm x 2070mm

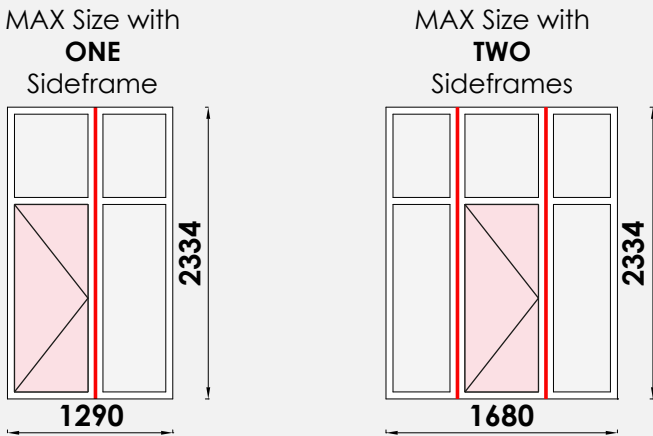


MAX Sizes for Side Frames constructed from 72mm Reinforced Outer Frame using Medium Duty Coupler

Light Duty Coupler (10mm wide)
Rigidity : Standard



The door size cannot be larger than 900mm x 2070mm



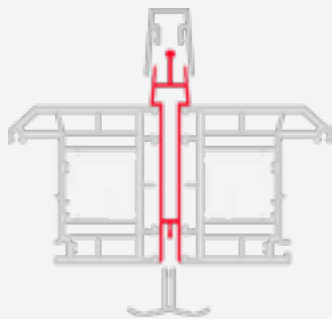
MAX Sizes for Side Frames constructed from 72mm Reinforced Outer Frame using Light Duty Coupler

It is the installers responsibility to ensure that the products are fit for purpose for the environment in which they are installed and the correct level of operational performance is achieved.

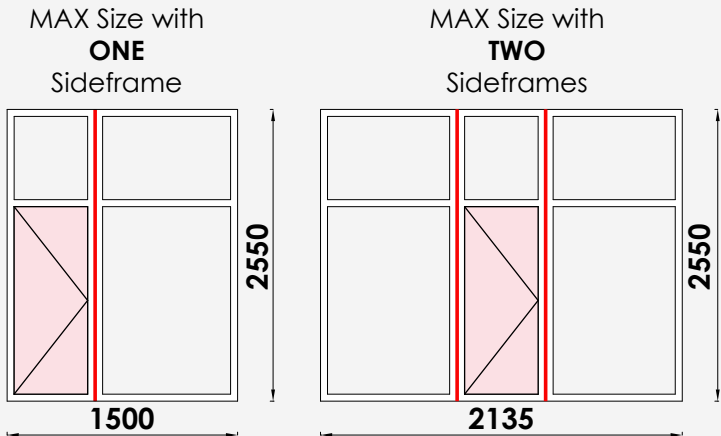
Side Frame / Coupling Bar Max Sizes

52mm Reinforced Outer Frame to achieve 800PA.

Heavy Duty (10mm wide)
Rigidity : Very High

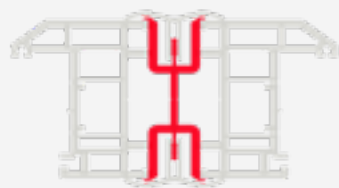


The door size cannot be larger than 900mm x 2070mm

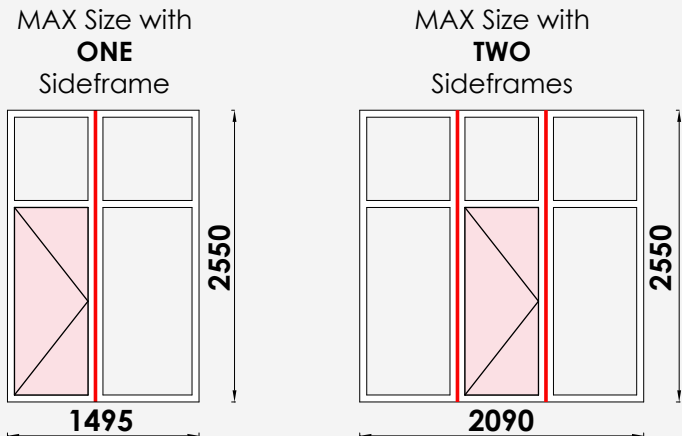


MAX Sizes for Side Frames constructed from 72mm Reinforced Outer Frame using Heavy Duty Coupler

Medium Duty Coupler (20mm Wide)
Rigidity : High

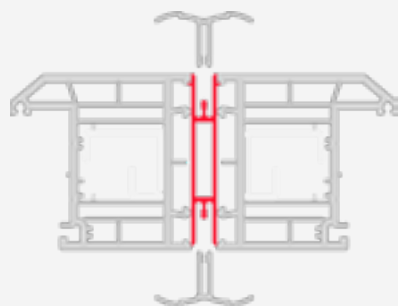


The door size cannot be larger than 900mm x 2070mm

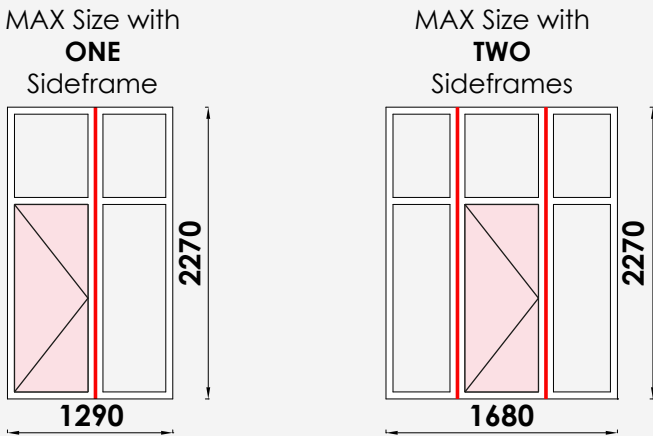


MAX Sizes for Side Frames constructed from 72mm Reinforced Outer Frame using Medium Duty Coupler

Light Duty Coupler (10mm wide)
Rigidity : Standard



The door size cannot be larger than 900mm x 2070mm



MAX Sizes for Side Frames constructed from 72mm Reinforced Outer Frame using Light Duty Coupler

Side Frame Min Sizes / Transoms

Sideframe with MIDRAIL

72mm outer with 105.5 Midrail: **min width =323.5mm**

72mm outer with 69 Midrail: **min width =360mm**

52mm outer with 69 Midrail: **min width =320mm**

Sideframe with NO Midrail GROOVED

72mm outer: **min width =295mm**

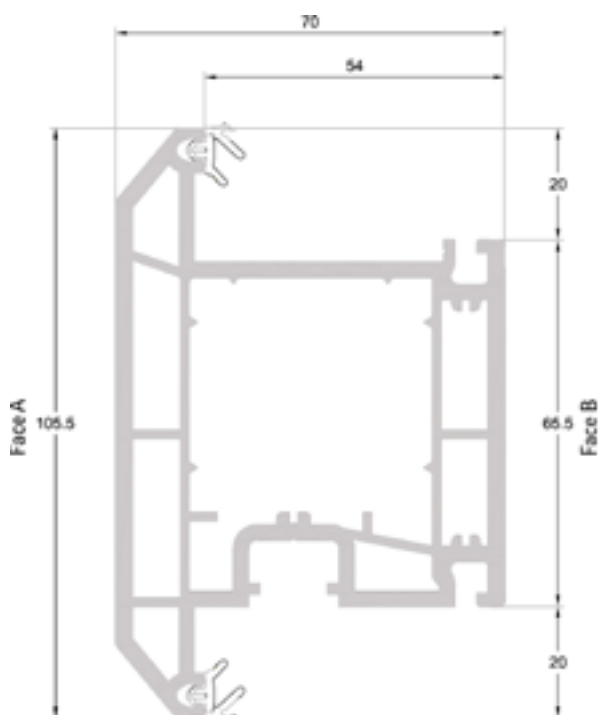
52mm outer: **min width =275mm**

Sideframe with NO Midrail KNIFED OFF by hand

72mm outer: **min width =190mm**

52mm outer: **min width =190mm**

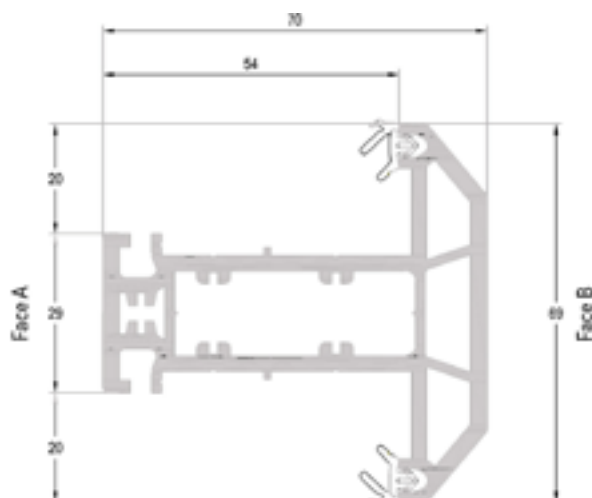
Standard letterplates cannot be fitted into midrails.



Door T Sash / Midrail 105.5mm

Standard Midrail in sideframes

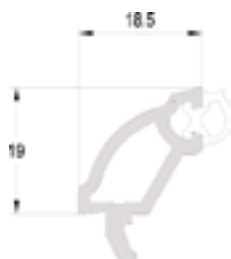
Art.546635



Slim Transom / Mullion T 69mm

Standard Mullion in Fanlights

Art.546085



Co-extruded Glazing Bead 18.5

For 28mm sealed units

Art.546572

Bar Handle Detail 1200mm and 600mm

Technical Information

- Made from 1.5mm 316 grade stainless steel
- **32mm diameter** for sturdier construction
- Salt spray tested to ASTM B117 for 2,000 hours

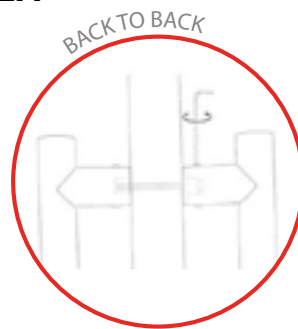
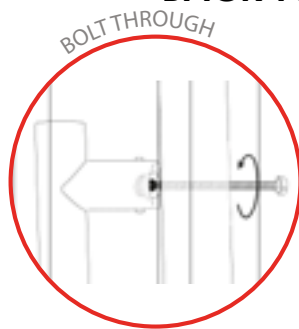
1200mm

600mm



Fitting

BACK TO INDEX



Maintenance

For continued protection of the quality finish and appearance, we advise routine cleaning.

Moving parts should also be lightly lubricated at least twice a year.

This procedure is particularly essential if products are used within a 25-mile radius of coastal areas or close proximity to building sites or large industrial areas, where more frequent cleaning may be required to prevent the accumulation of corrosive contaminants.

Offset Bar Handle Detail 1200mm and 600mm

Technical Information

- Made from 1.5mm 316 grade stainless steel
- **32mm diameter** for sturdier construction
- Salt spray tested to ASTM B117 for 2,000 hours

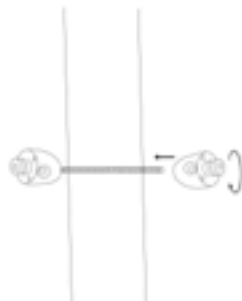
600mm



1200mm



Fitting



Suitably line the holes up to where the handle will be fitted on the door making sure it is straight.

Take 'fitting A' and feed through the bolt. Screw 'fitting B' onto the other side.

Push each handle onto its fixings.

Screw the grub screws up tightly to secure the fitting.

For security you can round off the grub screws.

Maintenance

For continued protection of the quality finish and appearance, we advise routine cleaning.

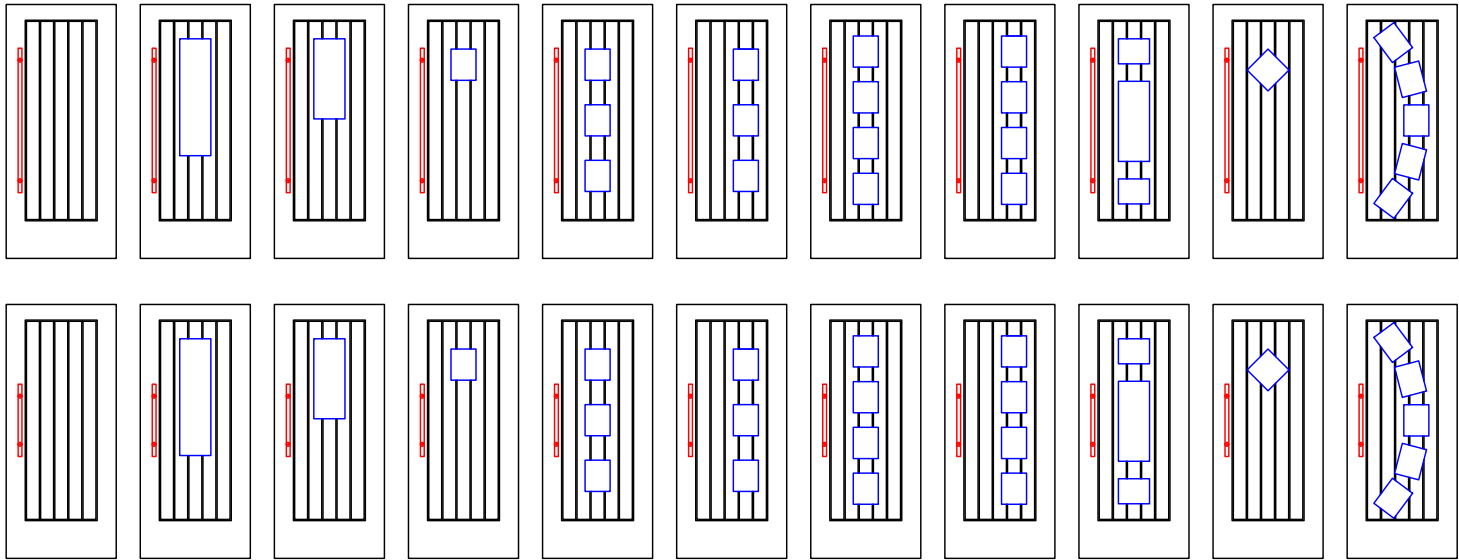
Moving parts should also be lightly lubricated at least twice a year.

This procedure is particularly essential if products are used within a 25-mile radius of coastal areas or close proximity to building sites or large industrial areas, where more frequent cleaning may be required to prevent the accumulation of corrosive contaminants.

Bar Handle Fitting positions

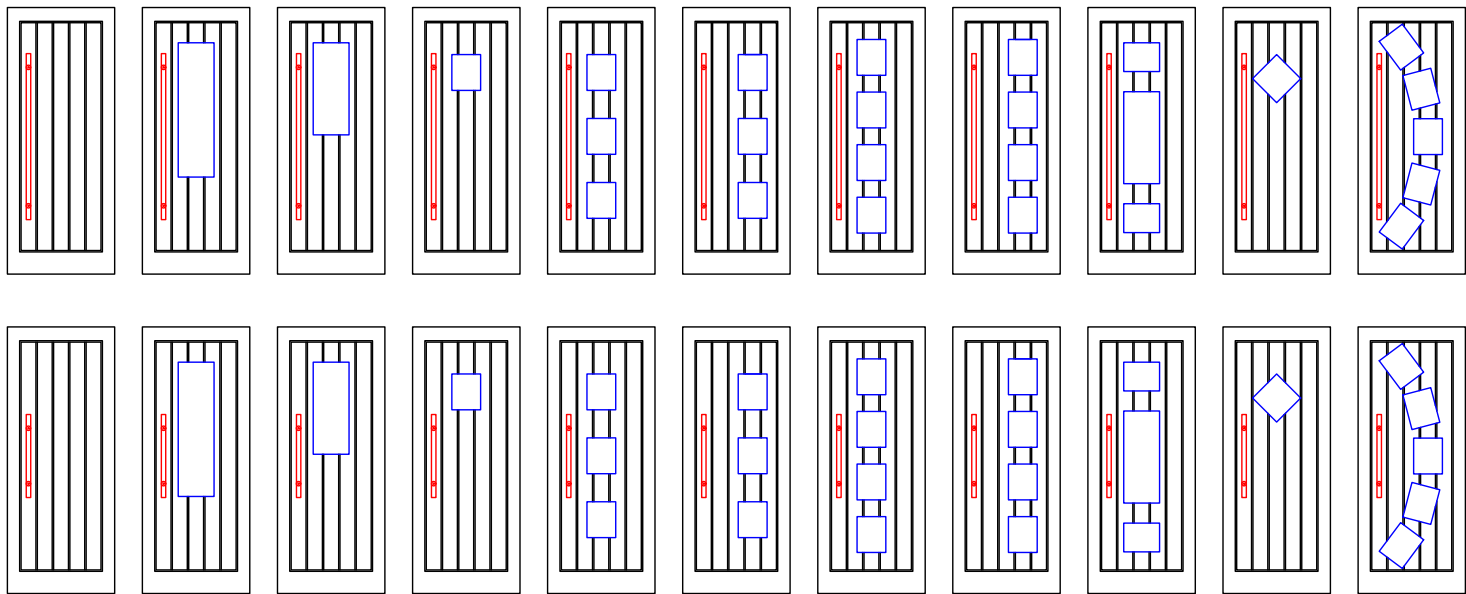
Sash Size 914mm to 870mm

· Bar handle 115mm from the edge of the sash



Sash Size 869mm to 776mm

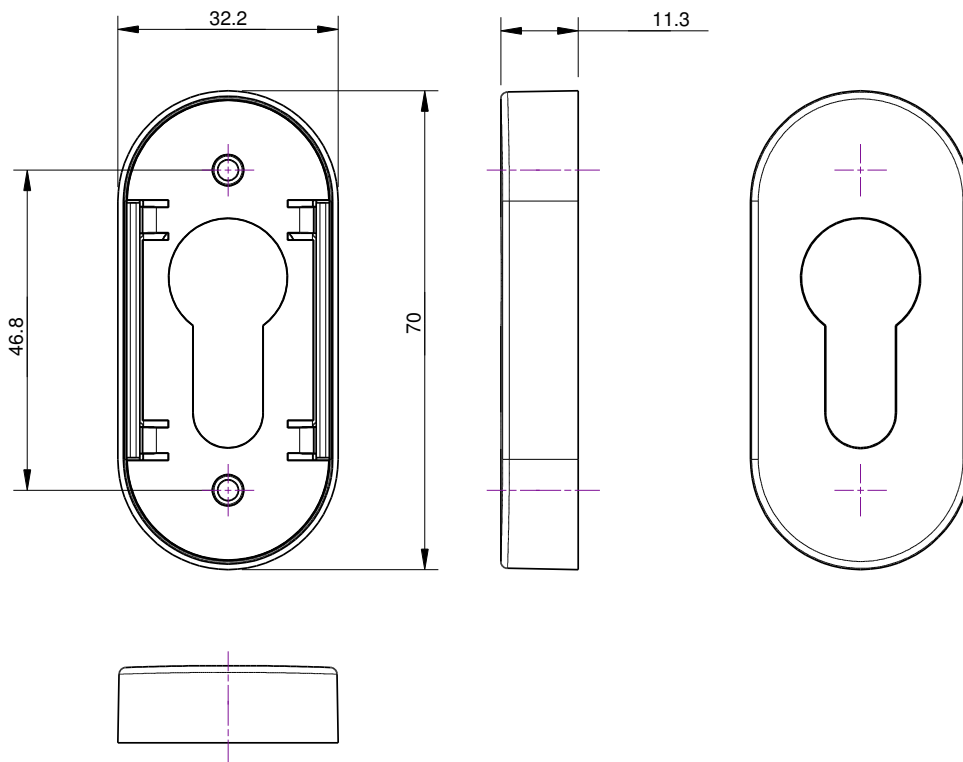
· Bar handle in the centre of the first moulding.





Technical Information

- Made from 1.5mm 316 grade stainless steel
- 32.2 mm wide for sturdier construction
- Salt spray tested to ASTM B117 for 2,000 hours



Maintenance

For continued protection of the quality finish and appearance, we advise routine cleaning.

Moving parts should also be lightly lubricated at least twice a year.

This procedure is particularly essential if products are used within a 25-mile radius of coastal areas or close proximity to building sites or large industrial areas, where more frequent cleaning may be required to prevent the accumulation of corrosive contaminants.

Lever Handle

Technical Information

Corrosion resistance

Meets the requirements of BS EN 1670:2007 Grade 5 (480 hours)

Operation

Endurance tested in excess of 200,000 cycles

Performance

Tested to meet the requirements of PAS 24 as part of a compliant door set. 30 minute fire test to BS 476: Part 20/22: 1987

Material Specification

Handle Grip and Backplate:

Meets the requirements of BS EN 1670:2007 Grade 5 (480 hours)

Silver Spindle / Screws:

Machine screws with colour coordinated heads for handle. 60mm - 70mm profiles (1 x 8mm x 120mm spindle; 2 x M5 x 70mm and 2x M5 x 80mm screws)

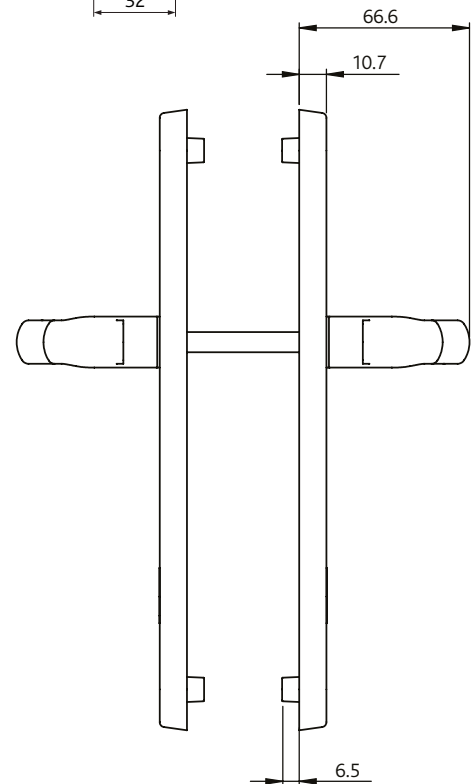
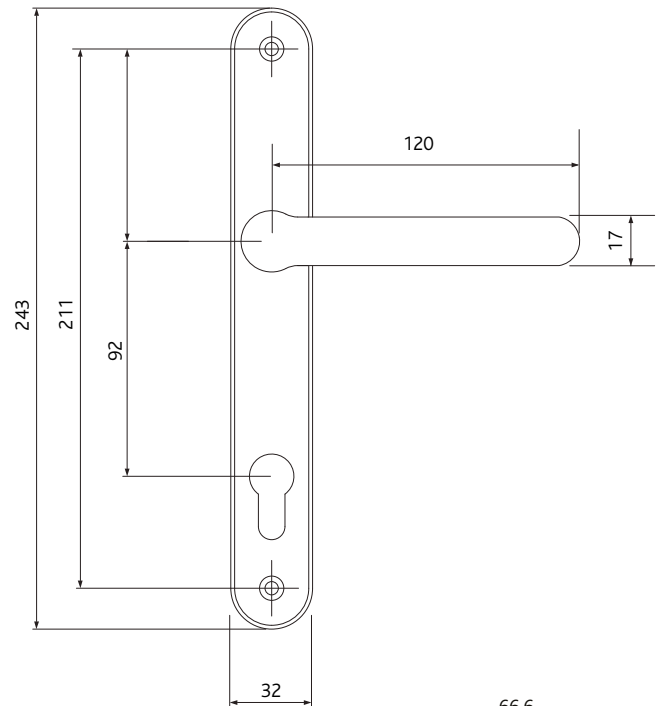
Cylinder:

Euro Cylinder, 92mm PZ

Maintenance

For continued protection of the quality finish and appearance, we advise routine cleaning.

Moving parts should also be lightly lubricated at least twice a year. This procedure is particularly essential if products are used within a 25-mile radius of coastal areas or close proximity to building sites or large industrial areas, where more frequent cleaning may be required to prevent the accumulation of corrosive contaminants.



Pad Handle

Technical Information

Corrosion resistance

Meets the requirements of BS EN 1670:2007 Grade 5 (480 hours)

Operation

Endurance tested in excess of 200,000 cycles

Performance

Tested to meet the requirements of PAS 24 as part of a compliant door set. 30 minute fire test to BS 476: Part 20/22: 1987

Material Specification

Handle Grip and Backplate:

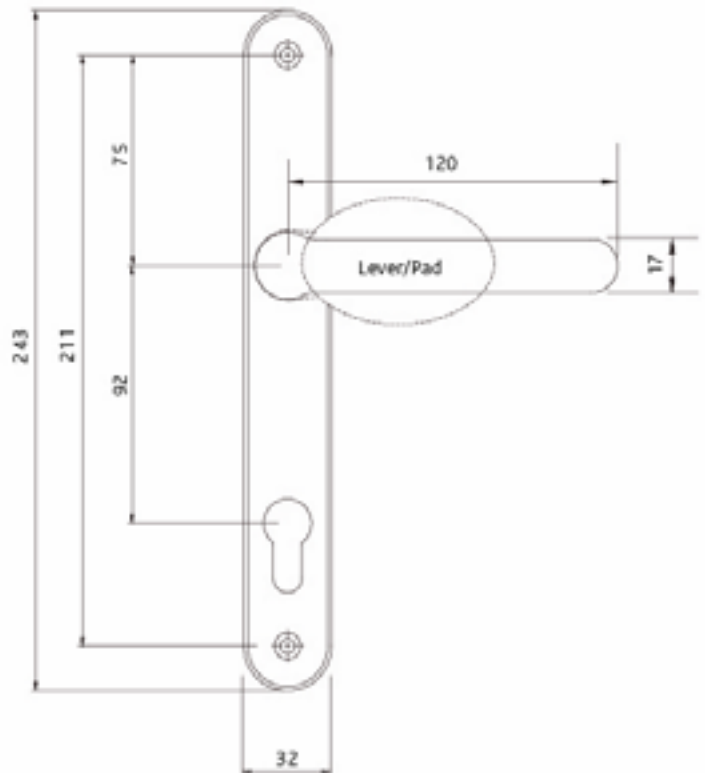
Meets the requirements of BS EN 1670:2007 Grade 5 (480 hours)

Silver Spindle / Screws:

Machine screws with colour coordinated heads for handle. 60mm - 70mm profiles (1 x 8mm x 120mm spindle; 2 x M5 x 70mm and 2x M5 x 80mm screws)

Cylinder:

Euro Cylinder, 92mm PZ



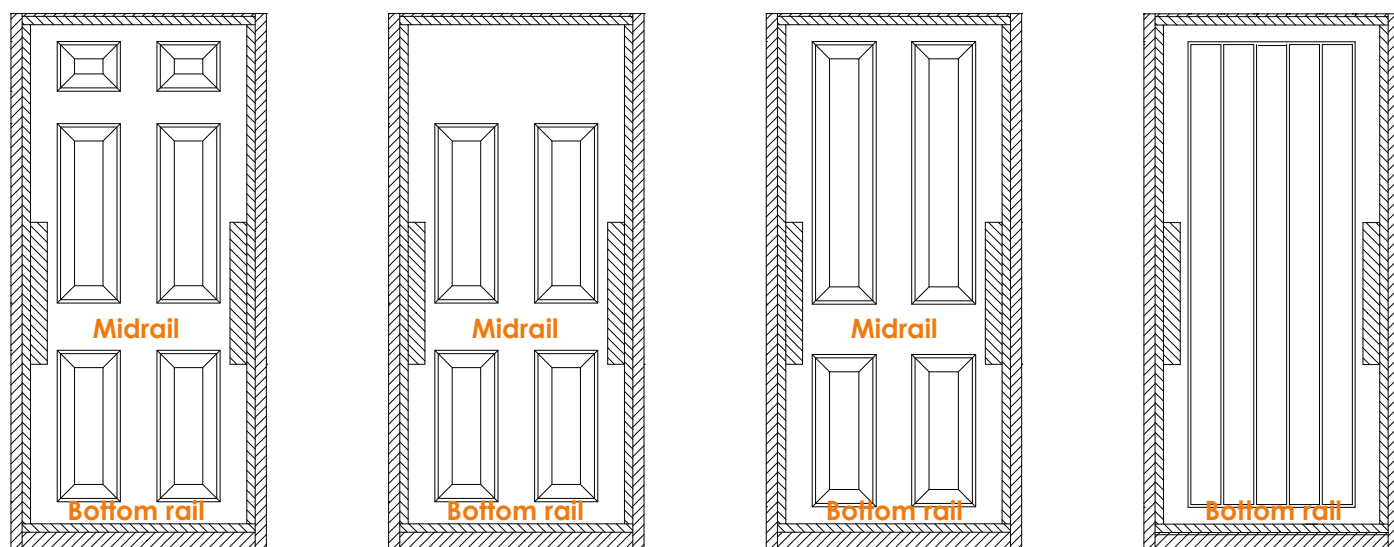
Maintenance

For continued protection of the quality finish and appearance, we advise routine cleaning.

Moving parts should also be lightly lubricated at least twice a year. This procedure is particularly essential if products are used within a 25-mile radius of coastal areas or close proximity to building sites or large industrial areas, where more frequent cleaning may be required to prevent the accumulation of corrosive contaminants.



Letterplate Positioning



Door sashes less than 1896 in height cannot have a letterplate fitted in the bottom rail.

Door sashes with a height between 1895 and 1926 can only have standard letterplate fitted in the bottom rail a TS008 will not fit.

Door sashes with a height more than 1927 can have both a standard letterplate fitted in the bottom rail.

Standard letterplates can be fitted in any size door where there is a midrail.

TS008 letterplates should only be **fitted in the midrail position** as PAS24 & SBD doors with a letterplate must have the letterplate above 700mm from floor level.

Letterplate (Standard)

Technical Information

Corrosion resistance

Meets the requirements of BS EN 1670:2007 Grade 5 (480 hours)

Operation

Flap cycle tested to 20,000 cycles
Conforms to the requirements of BS EN 13724: 2002

Performance

Tested to meet the requirements of PAS 24 as part of a compliant door set. 30 minute fire test to BS 476: Part 20/22: 1987



Material Specification

Flap:

High quality Zinc or Aluminium

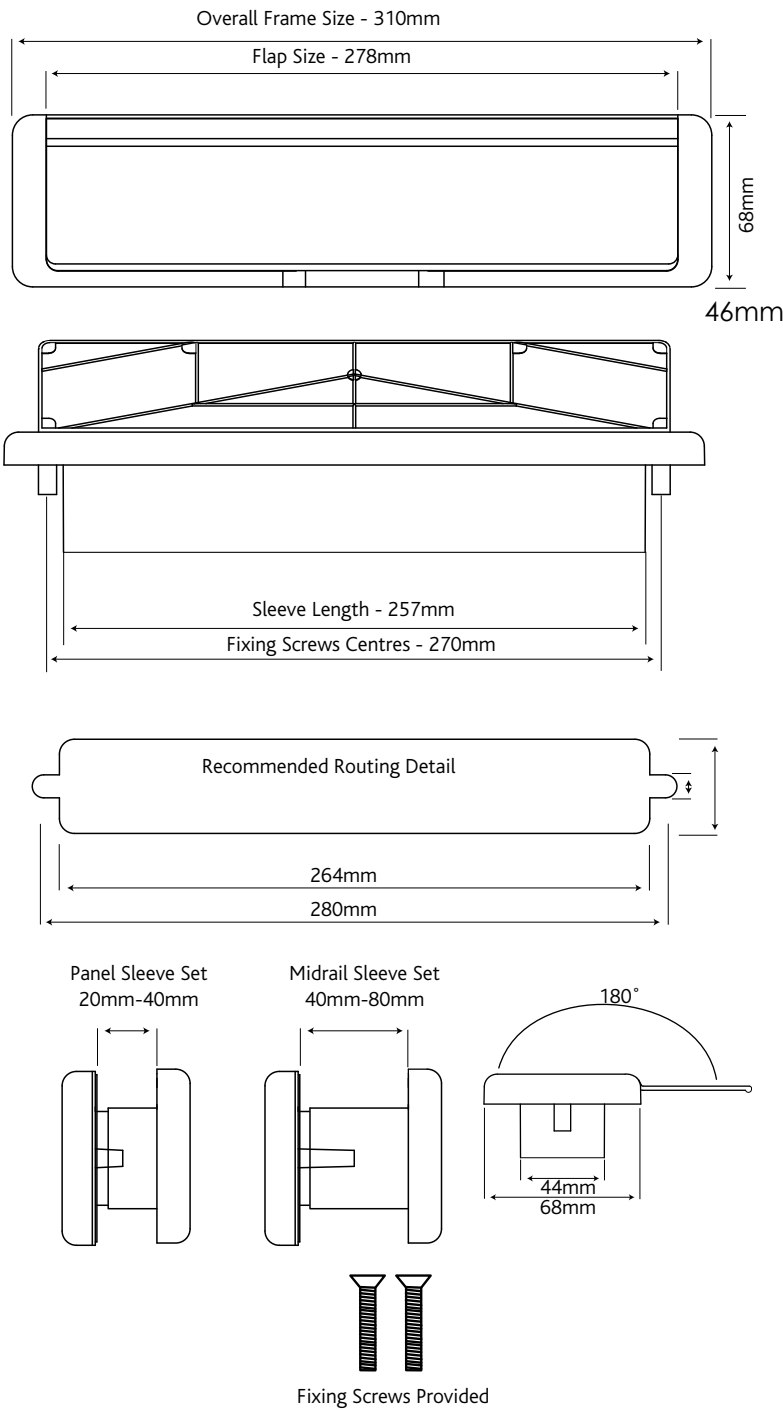
Frame:

Black ABS

Maintenance

For continued protection of the quality finish and appearance, we advise routine cleaning.

Moving parts should also be lightly lubricated at least twice a year. This procedure is particularly essential if products are used within a 25-mile radius of coastal areas or close proximity to building sites or large industrial areas, where more frequent cleaning may be required to prevent the accumulation of corrosive contaminants.

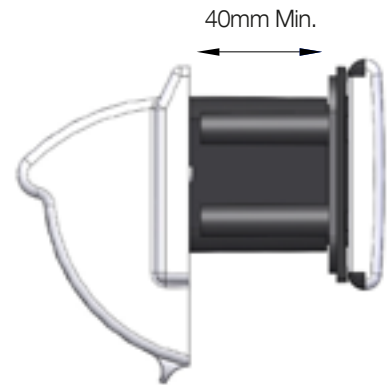


Letterplate (TS008)

Technical Information

Specification

- TS008:2015 accredited
- Conforms to the requirements of PAS 24:2016 and Approved Document Q
- External unit corrosion tested to BS EN 1670 Grade 5-tested in excess of 1000 hours NSST
- Tested to 20,000 cycles



Material Specification

External Flap:

Austenitic 304 stainless steel

Internal Flap:

Aluminium



Maintenance

For continued protection of the quality finish and appearance, we advise routine cleaning.

Moving parts should also be lightly lubricated at least twice a year. This procedure is particularly essential if products are used within a 25-mile radius of coastal areas or close proximity to building sites or large industrial areas, where more frequent cleaning may be required to prevent the accumulation of corrosive contaminants.



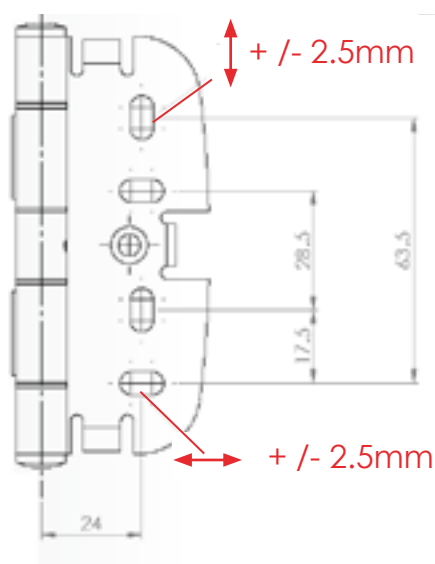
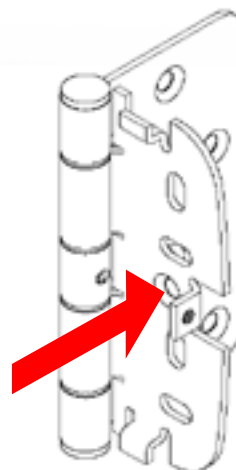
Standard Hinge (Open in doors only)

2 way adjustment $\pm 2.5\text{mm}$ Height and Side adjustment.
Face fitting for a flush door to frame finish.
Robust 430 stainless steel body designed to carry up to 100kg on 3 hinges.



FINAL FIX HINGE SCREW

After any hinge adjustments the final fix hinge lock screw must be fixed in the centre hole fixing point.



Technical Information

Performance: Endurance tested to 100,000 operations, Load tested to 100kg on 3 hinges
Corrosion resistance: All finishes meet the requirements of BS EN 1670:2007 - grade 5 (500 hrs Salt Spray)

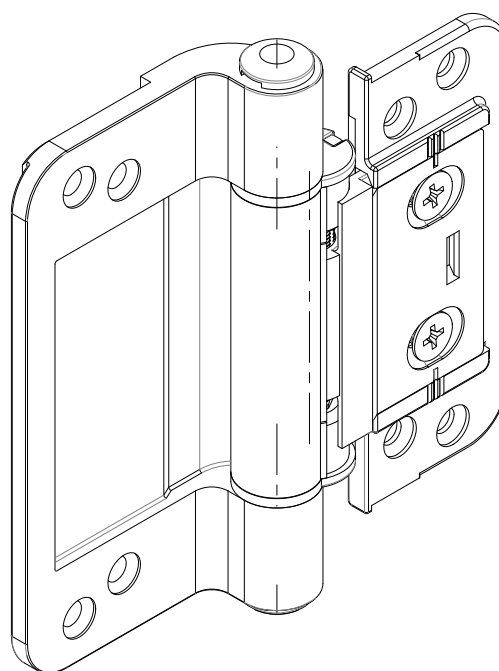
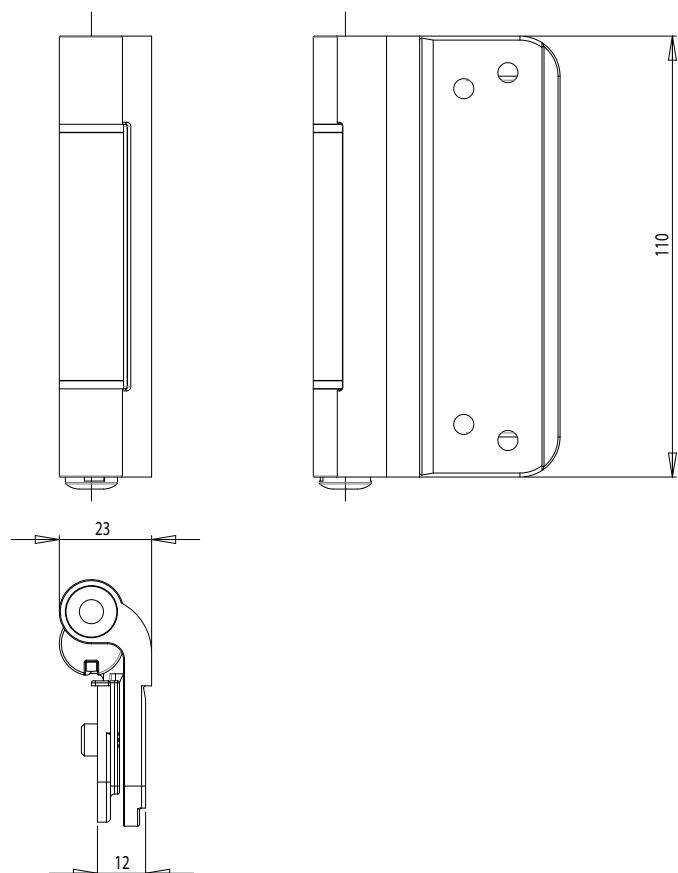
Material Specification

Hinge Body: 430 Stainless Steel
Hinge Cover: Zinc Alloy
Pin: 304 Stainless Steel

Maintenance

We recommend that all moving components are lubricated using a non-acidic mineral oil at least twice a year and surface cleaned with a damp cloth.

Optional Hinge (Standard on open out doors)



Technical Information

Performance: Endurance tested to 100,000 operations, Load tested to 100kg on 3 hinges
Corrosion resistance: All finishes meet the requirements of BS EN 1670:2007 - grade 5 (500 hrs Salt Spray)

Adjustment

Lateral +/- 3mm
Height +/- 4mm
Compression +/- 1.75mm

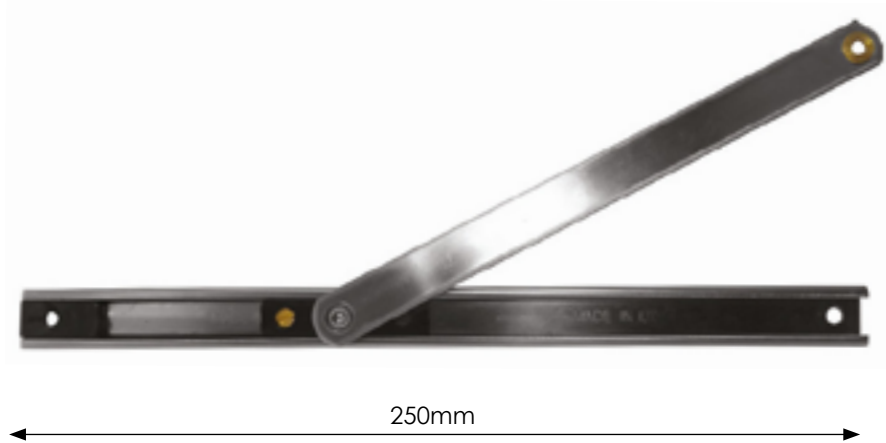
Maintenance

We recommend that all moving components are lubricated using a non-acidic mineral oil at least twice a year and surface cleaned with a damp cloth.



Restrictor

Restrictor (Supplied loose) **CODE: R/SLP10**



Installation

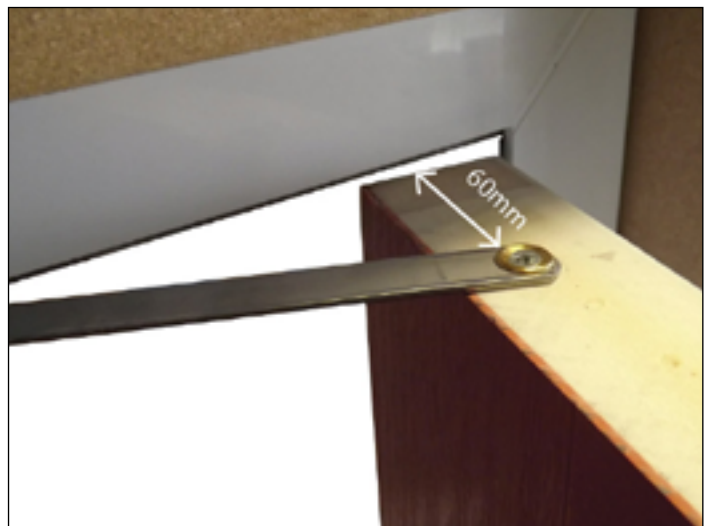
Frame

Fix the restrictor with two CFG43X35Z 140mm from the corner of the hinge side of the door frame.



Door

Fix the restrictor with one CFG43X35Z 60mm from the hinge side edge of the door.



Technical Information

Tested to 20,000 cycles.
Adjustable friction using screw in friction shoe.
Features integral damper to prevent door slamming.
Damper offers additional friction at end of travel and will hold door open.

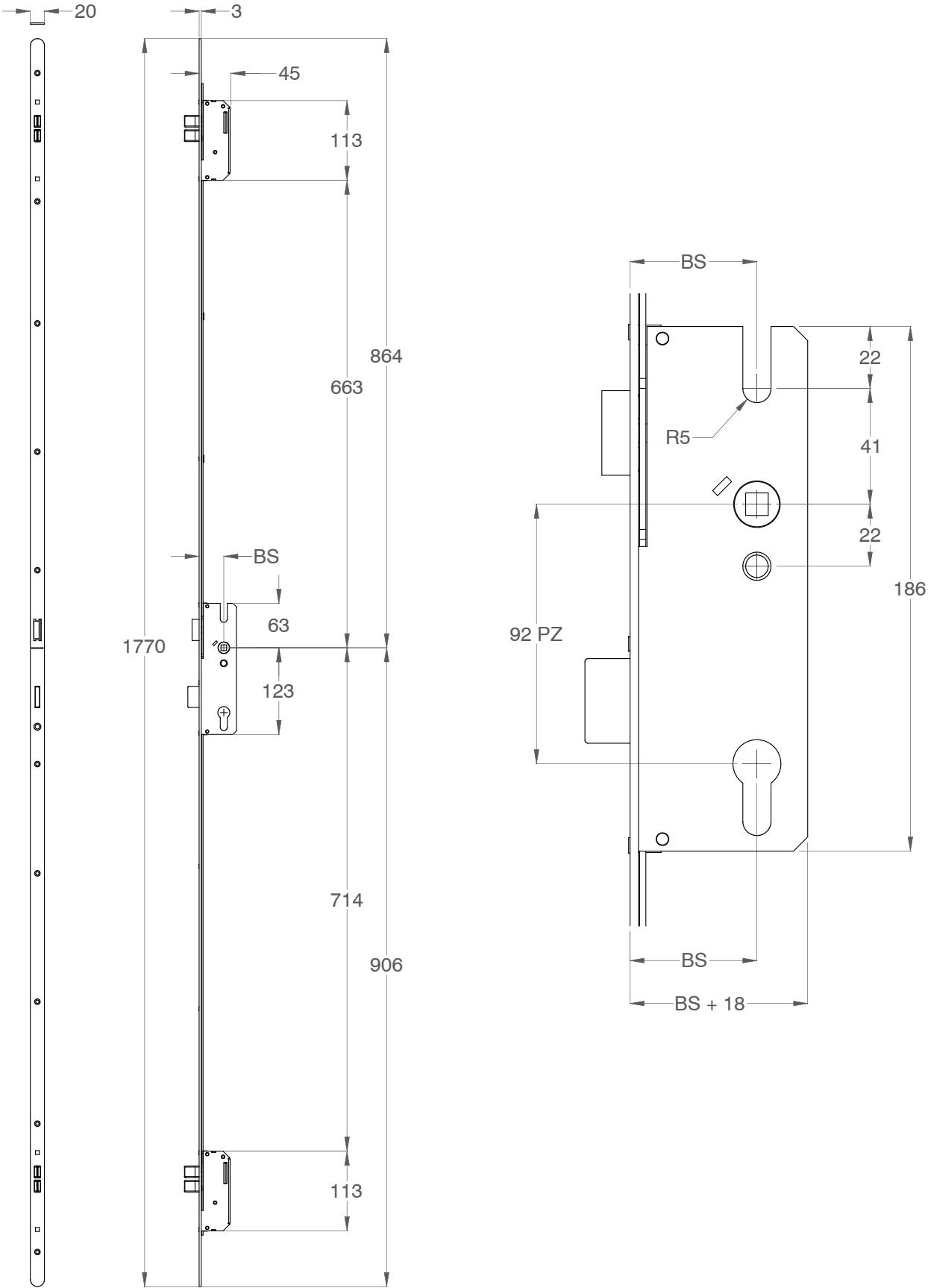
Clear Openings

Standard Hinge

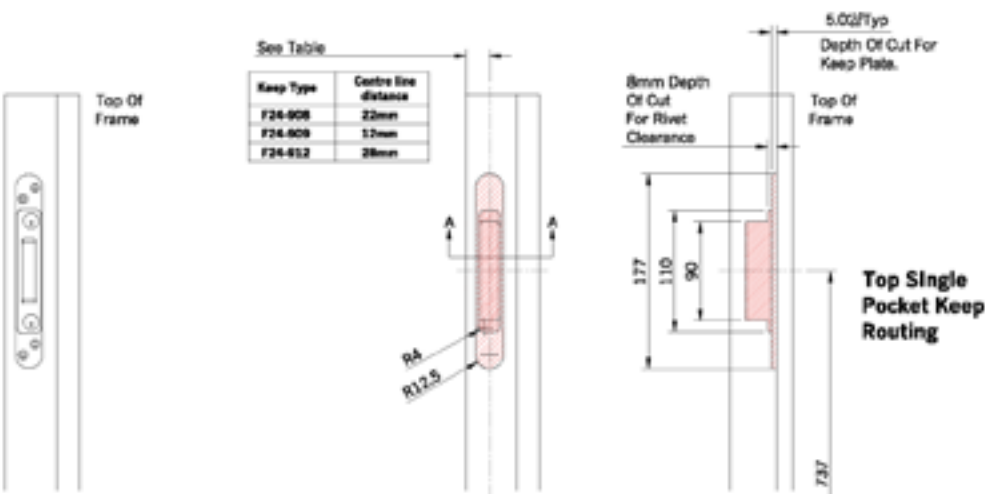


Optional Hinge

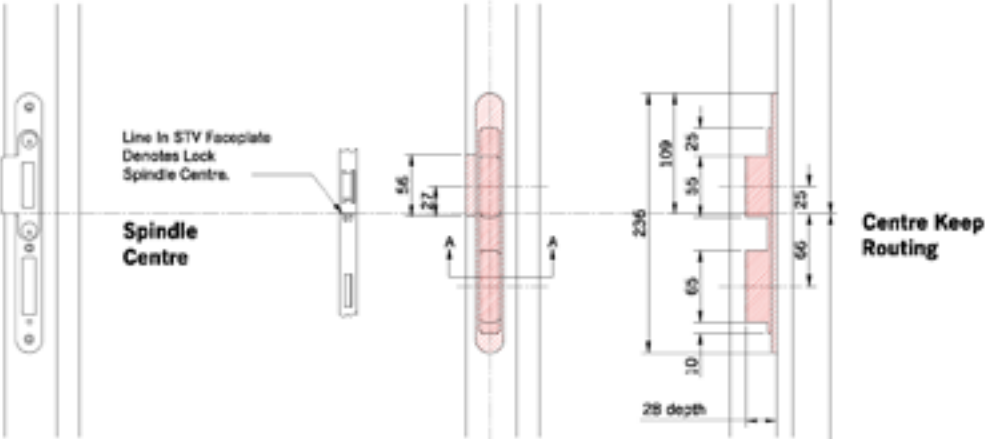




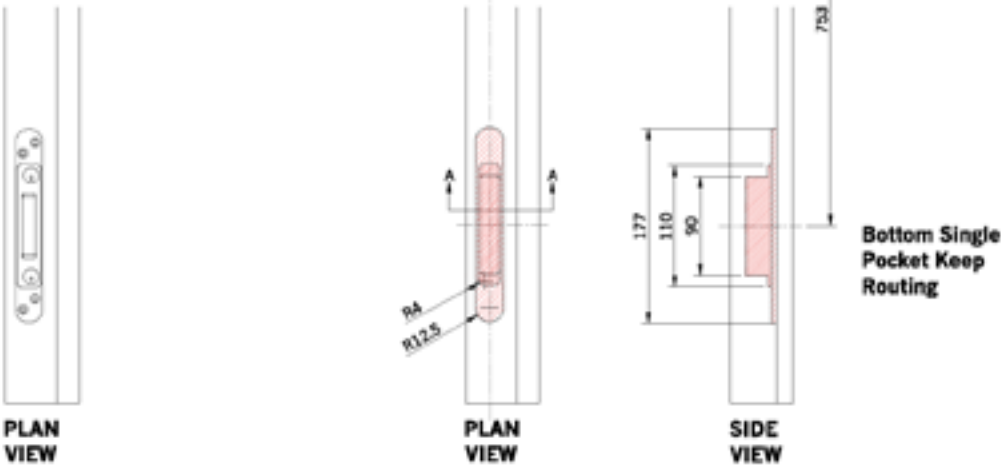
F24 Rounded End Single Pocket Keep



F24 Rounded End Centre Keep

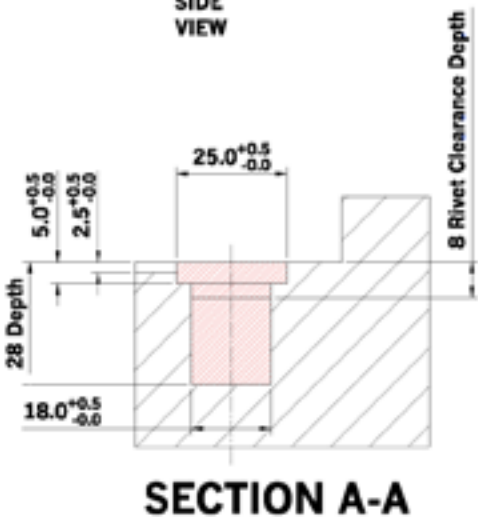


F24 Rounded End Single Pocket Keep



Denotes Routing

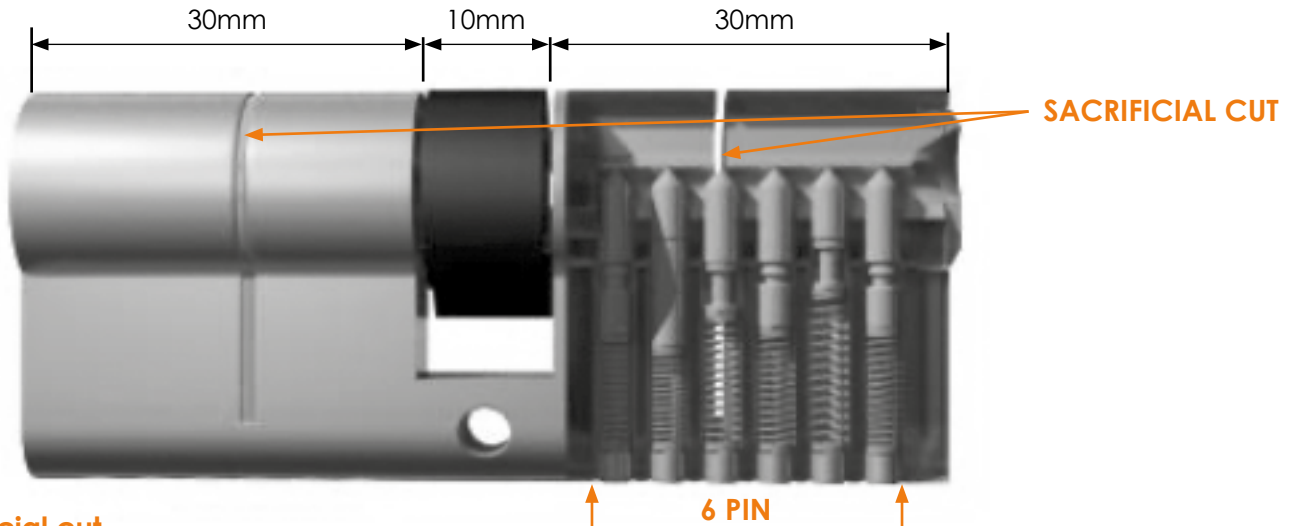
Routing Details Based On Working Air Gap Of 4mm



*Cylinder 35/35 also available with a thumbturn option.

Technical Information

- BSi 1* Kite-marked - KM561977
- Secured by Design approved
- Supplied with 3 keys
- 6 pins
- Sacrificial cut lines on both sides of the cylinder so can be fitted either way round.
- Over 200,000 different key combinations.



Sacrificial cut

The cylinder has a sacrificial cut line, so when force is applied to the end, the cylinder will break away to the sacrificial cut line only, leaving the remaining cylinder operational and the locking mechanism intact.

Anti-bump

The cylinder has a unique and patented anti-bump system which does not use trap pins. This system makes the turning of the cylinder key extra smooth.

Anti-drill

Anti-drill pins are in each side of the cylinder.

Anti-pick

Anti-pick pins in each side of the cylinder makes it extremely difficult for a common burglar to pick the cylinder.

Maintenance

We recommend that the area highlighted with **blue** is wiped over with a lemon based very mild soap solution and a soft cloth once a month or every 2 weeks in areas of high sea salt such as coastal areas.

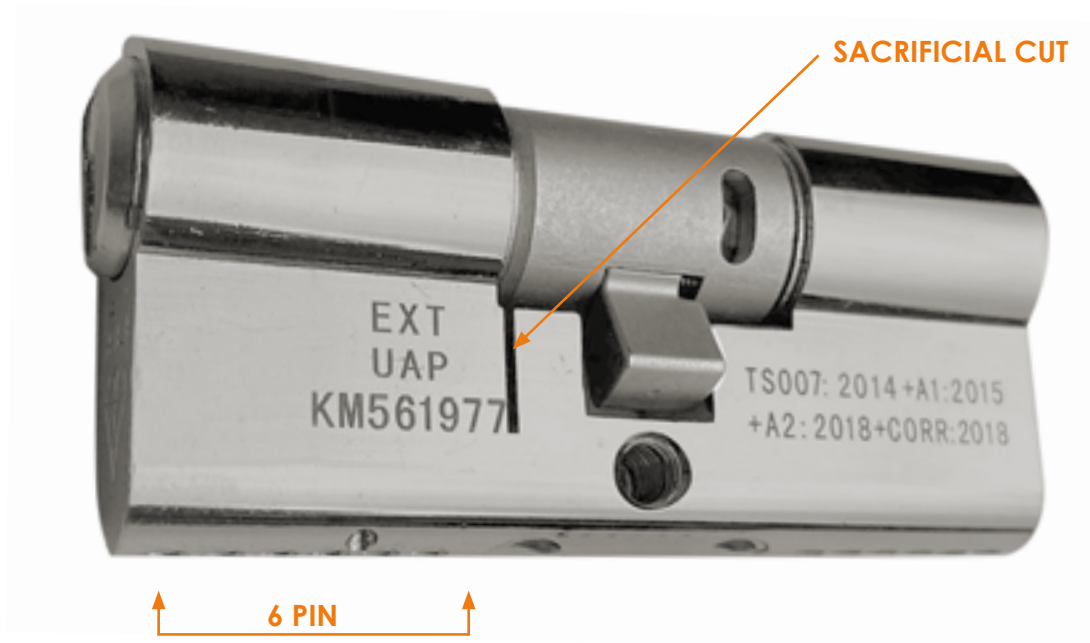
We recommend that the area highlighted with **orange** is lubricate with silicone based oil or graphite once a month or every 2 weeks in areas of high sea salt such as coastal areas.



***Cylinder 35/35 also available with a thumbturn option.

Technical Information

- BSi 3* Kitemarked
- Secured by Design Approved
- Sold Secure Approved
- Supplied with 3 Bio keys which have antibacterial and antiviral properties and have been tested to ISO 22196:2011 and ISO 21702:2019
- 6 pins
- Anti snap line on the outside of the cylinder
- Patented anti-bump timing pin system
- Patent applied for anti tilt mechanism
- Anti-pick pins
- Hardened steel anti-drill pins
- Does not use trap pins so no danger of cylinder entrapment
- Cylinder can open from the inside if attacked from the outside
- Over 200,000+ different key combinations
- Unrestricted keyway makes it easier for customers to get keys cut using the Kinetica key blank
- Tested to EN1303:2015



Maintenance

We recommend that the area highlighted with **blue** is wiped over with a lemon based very mild soap solution and a soft cloth once a month or every 2 weeks in areas of high sea salt such as coastal areas.

We recommend that the area highlighted with **orange** is lubricate with silicone based oil or graphite once a month or every 2 weeks in areas of high sea salt such as coastal areas.



U Values

Double Glazed PVC Threshold
K glass one coat

Triple Glazed PVC Threshold
4/4/4 glass+N23N5M5:NM5:N24

Double Glazed Aluminium Threshold
K glass one coat

Double Glazed Aluminium Threshold
4/4/4/glass

Triple Glazed PVC Threshold
4/4/6.8 glass+N23N5M5:NM5:N24

Double Glazed
Aluminium Threshold 4/4/6.8 glass

Rome	1	1	1	1	1	1
Rome 2	1.2	1.3	1.2	1.3	1.2	1.3
Tuscany	1.2	1.3	1.2	1.3	1.2	1.3
Athens	1	1	1	1	1	1
Athens 2	1	1	1	1	1	1
Athens 4	1.2	1.3	1.2	1.3	1.2	1.3
Cannes 1	1	1	1	1	1	1
Cannes 3	1.2	1.3	1.2	1.3	1.2	1.3
Madeira	1.2	1.3	1.2	1.3	1.2	1.3
Turin	1	1	1	1	1	1
Milan 912	1	1	1	1	1	1
Milan 609	1	1	1	1	1	1
Milan 470	1	1	1	1	1	1
Milan 203	1	1	1	1	1	1
Rotterdam C	1	1	1	1	1	1
Rotterdam L	1	1	1	1	1	1
Rotterdam R	1	1	1	1	1	1
Amsterdam C	1	1	1	1	1	1
Amsterdam L	1	1	1	1	1	1
Amsterdam R	1	1	1	1	1	1
Helsinki	1	1	1	1	1	1
Oslo	1	1	1	1	1	1
Porto Left	1	1	1	1	1	1
Porto Right	1	1	1	1	1	1