



DURATION WINDOWS

Penthouse Patio Doors

Section Identification & General Arrangements

Specifications



**DURATION
WINDOWS**

General

The Penthouse patio door system has been designed for use as large glass sliding doors, with excellent views. It has slim strong thermally broken profiles that will achieve maximum glass areas. It features robust high specification hardware and achieves excellent weather ratings inline with the current Building Regulations, making it suitable for use on upper floors and in exposed locations.

The system is suitable for replacement of existing doors, installation into new build projects and for use in both domestic and commercial applications.

The outerframe is assembled with mechanical cleats and the large sliding panels are internally glazed for added security, ease of transportation and installation.

System Specification

SECTIONS	The frames are constructed of aluminium alloy extrusion to AlMgSi 0,5 F22, in accordance with DIN 1725, to a tolerance of DIN17618. The internal and external extrusions are separated with a polyamide PA 6.6.25 thermal break.
FINISH	The external aluminium alloy extrusion is pre-treated and finished either; a) Anodised to E.E.W.A./EURAS-Qualanod to a natural self colour. b) Polyester powder organic coating according to APA-Qualicoat. Dual colour is also available, but only on two track patio doors.
GLAZING	Glass is secured in place using high security internal glazing bead and wedge gasket. Can be glazed for 24mm or 28mm sealed units by selecting the relevant glazing bead from the parts list.
LOCKING	The multipoint locking system that consists of four mushroom bolts and a heavy duty hook lock, securing each sliding panel in five points.

Recommended Sizes

Minimum Width:	1400mm
Maximum Width:	6950mm
Maximum Height:	2700mm
Minimum Height:	1800mm
Maximum Sash Weight:	200Kg
Maximum Sash Width:	2500mm

Weather Performance

Weather performance inline with STS 52.0 and UEATC is as follows:

BS EN 1026: 2000 Air Permeability:	600 Pa
BS EN 1027: 2000 Watertightness:	300 Pa
BS EN 12211: 2000 Resistance to Wind Load:	2000 Pa
U-value: 2000 Thermal Performance:	1.8 W/m ² K

Values calculated with the heavy duty interlock and double glazed sealed units, filled with 90% argon gas (low-E, en=0.05, softcoat), a warm edge spacerbar and a centre pane U-value of 1.0 W/M²K.

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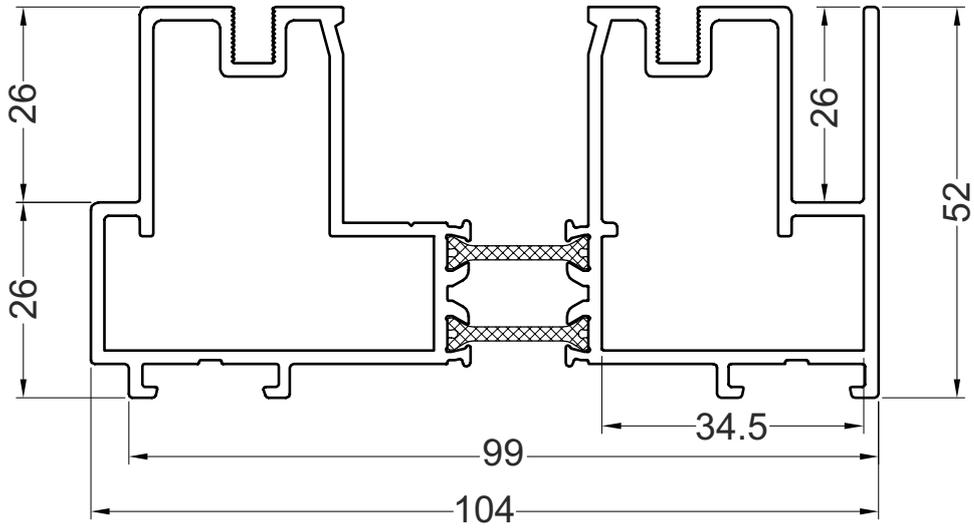
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Outer Frames

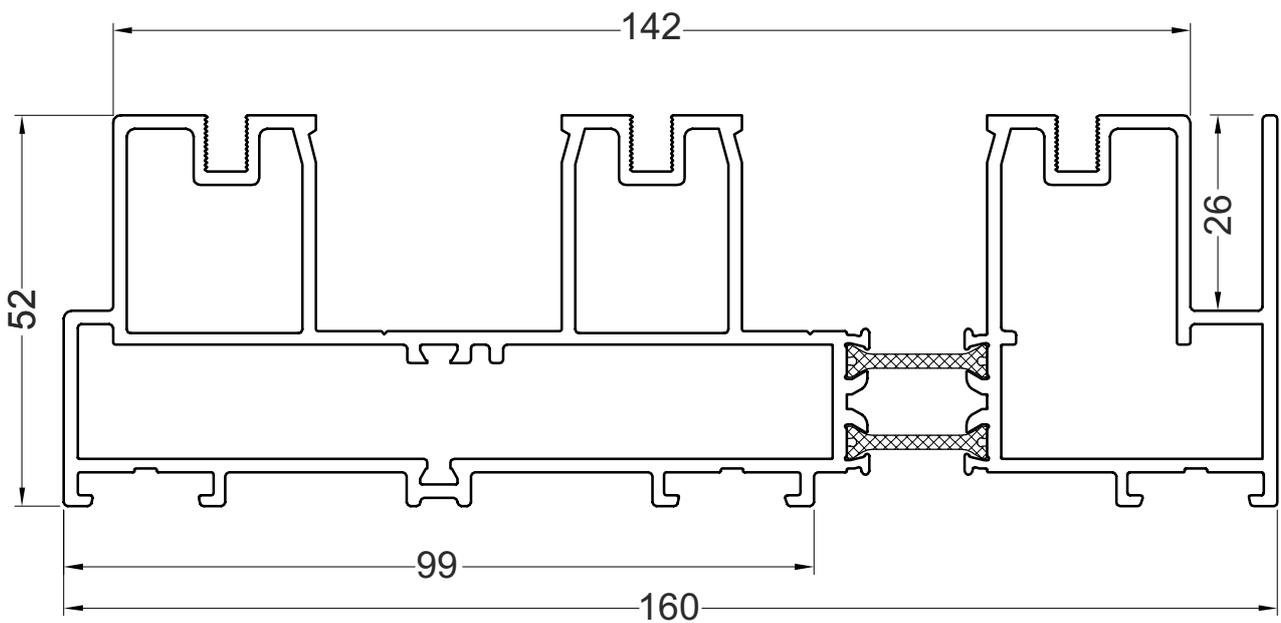


DURATION
WINDOWS

VG 110 - Two Track Outer Frame



VG 310 - Three Track Outer Frame

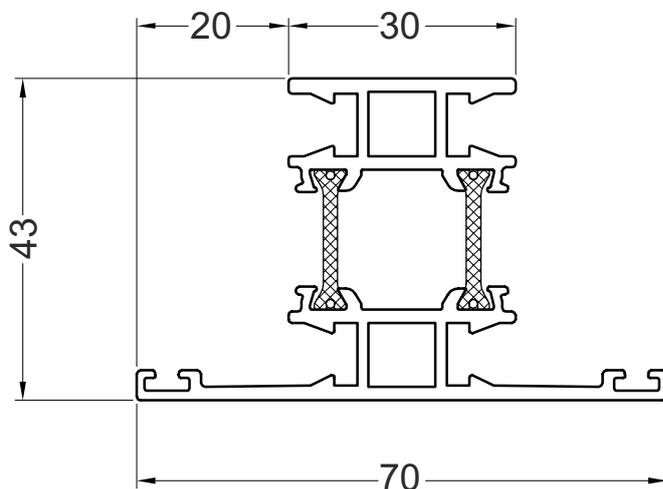


Lay Bar & Sliding Panels

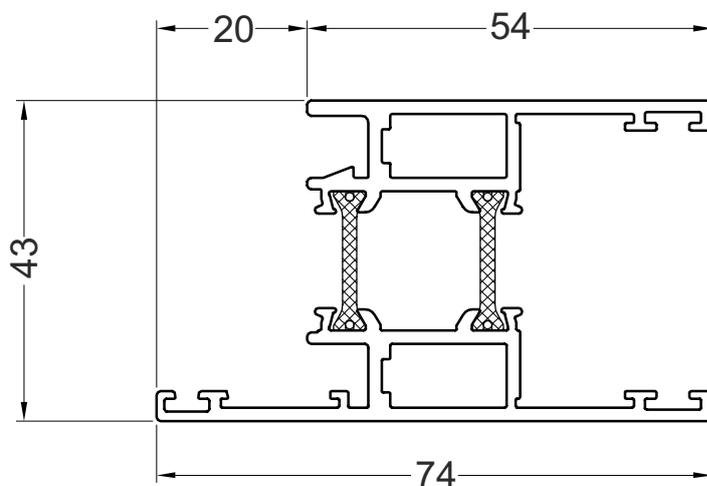


DURATION
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VG 22 Midrail / Lay Bar



VG 20 - Sliding Panel

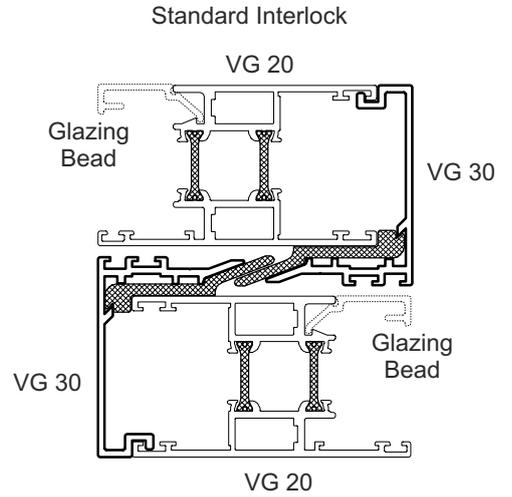
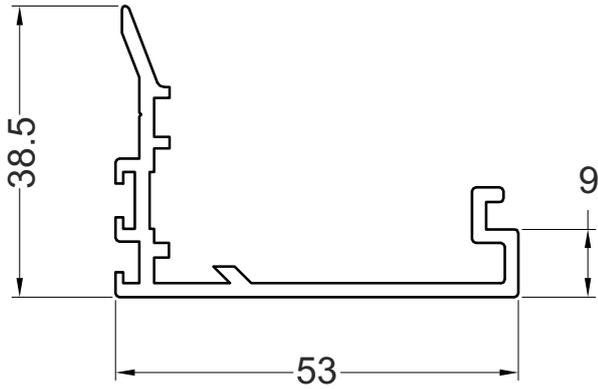


Interlocks

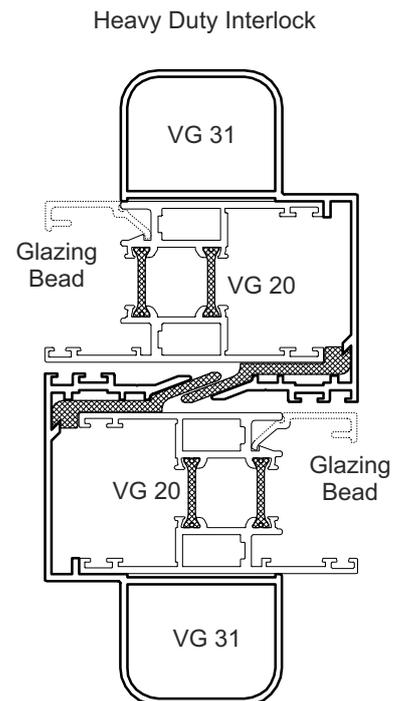
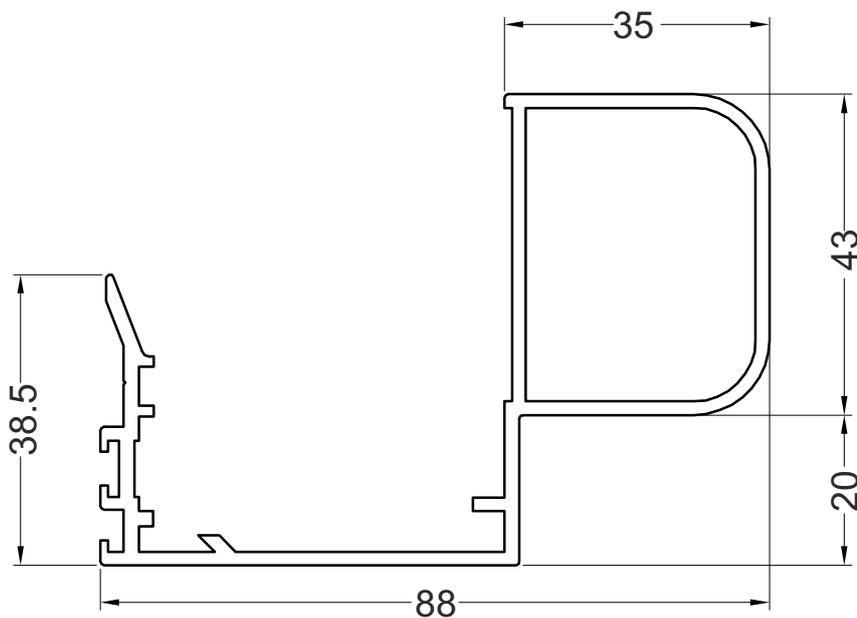


DURATION
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VG 30 - Standard Interlock



VG 31 - Heavy Duty Interlock

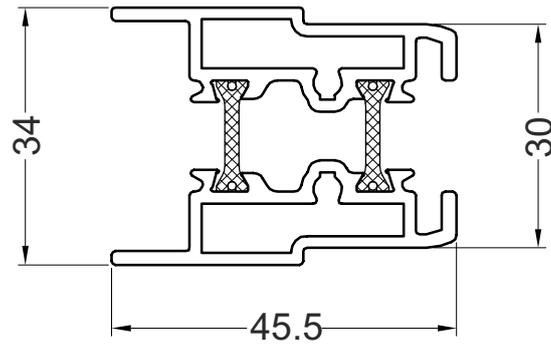


Meeting Stiles

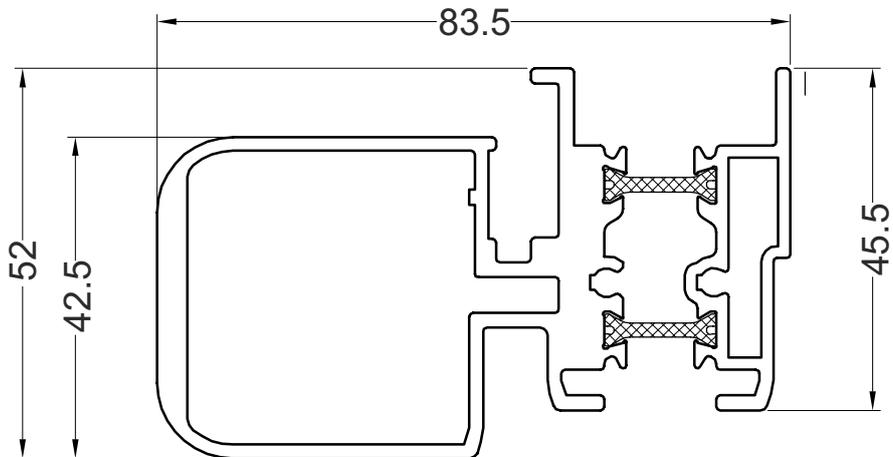


DURATION
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VG21 - Standard Meeting Stile



VG 23 - Heavy Duty Meeting Stile

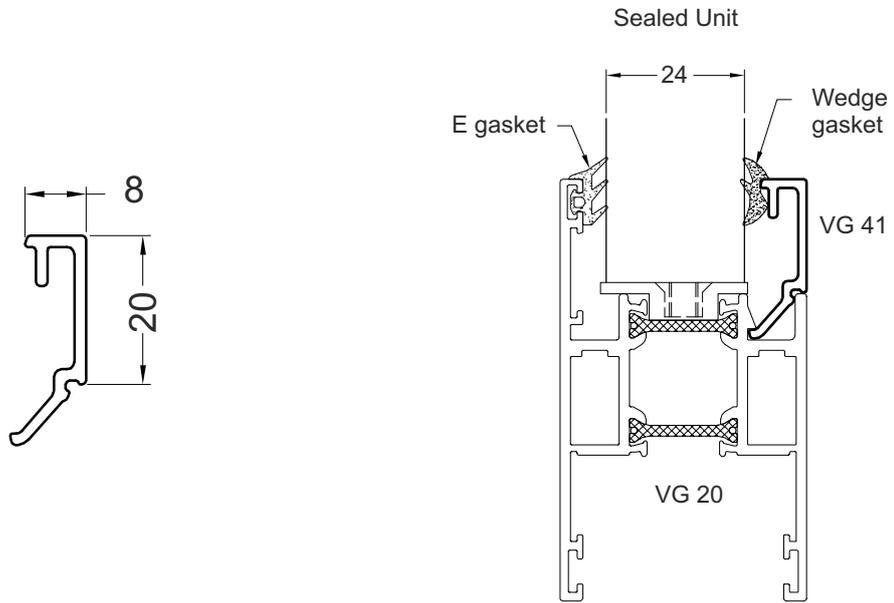


Glazing Beads

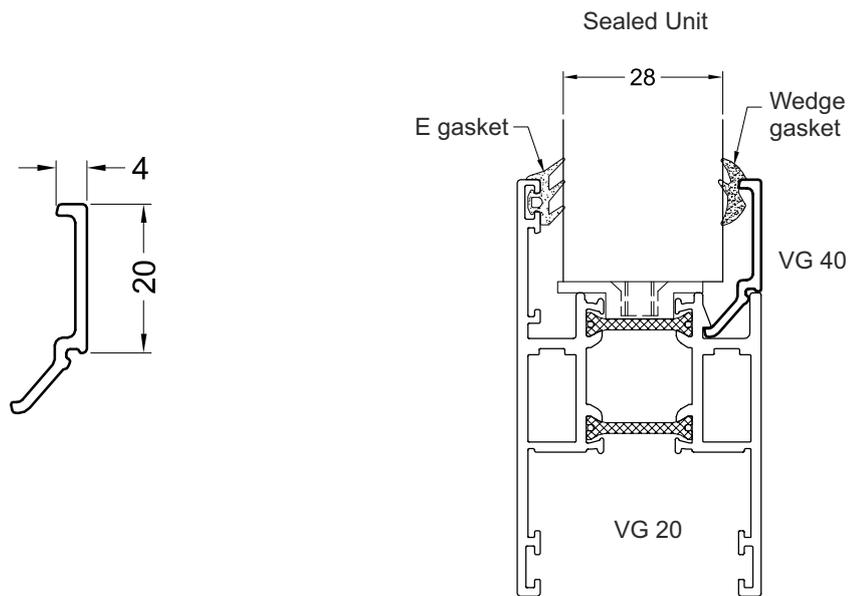


DURATION
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VG 41 - 24mm Glazing Bead



VG 40 - 28mm Glazing Bead

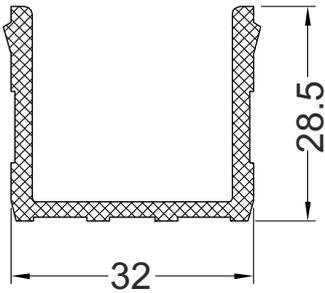


PVC Inserts & Track

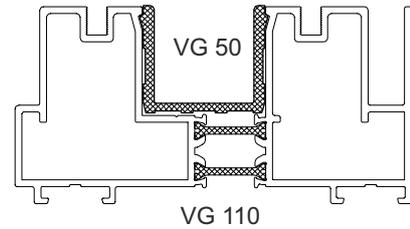


DURATION
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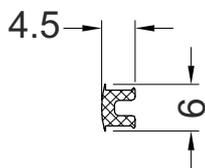
VG50 Outer Frame Insert



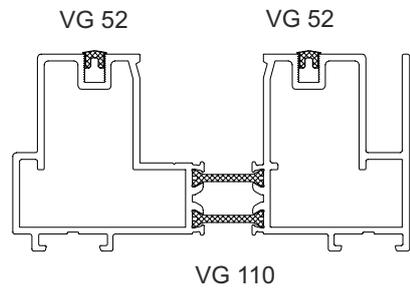
Outer Frame Insert



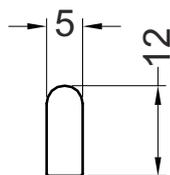
VG 52 - Outer Frame Caps



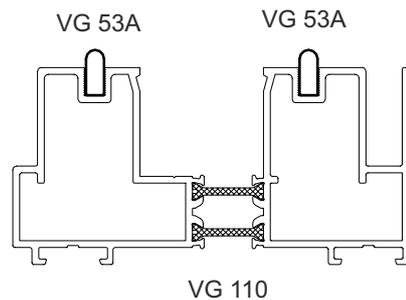
Outerframe Insert Caps



VG 53A - Stainless Steel Track



Stainless Steel Track



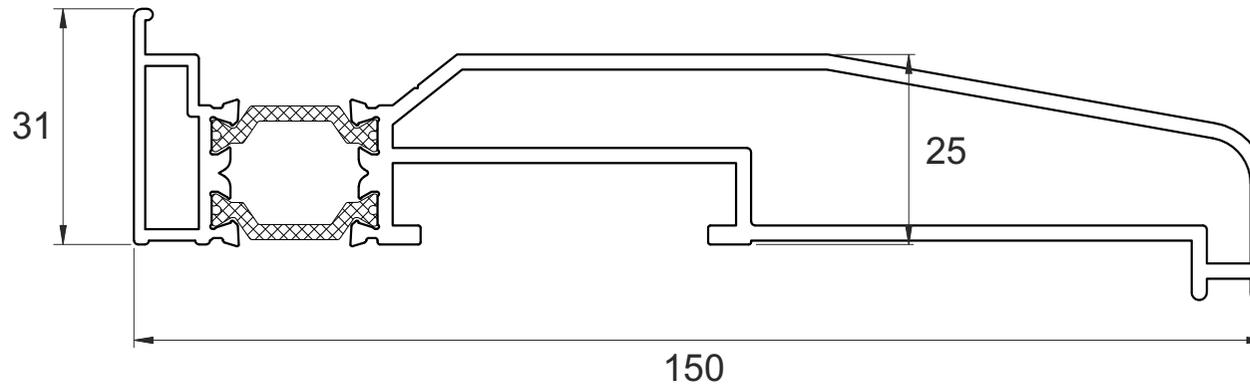
Projection Cills



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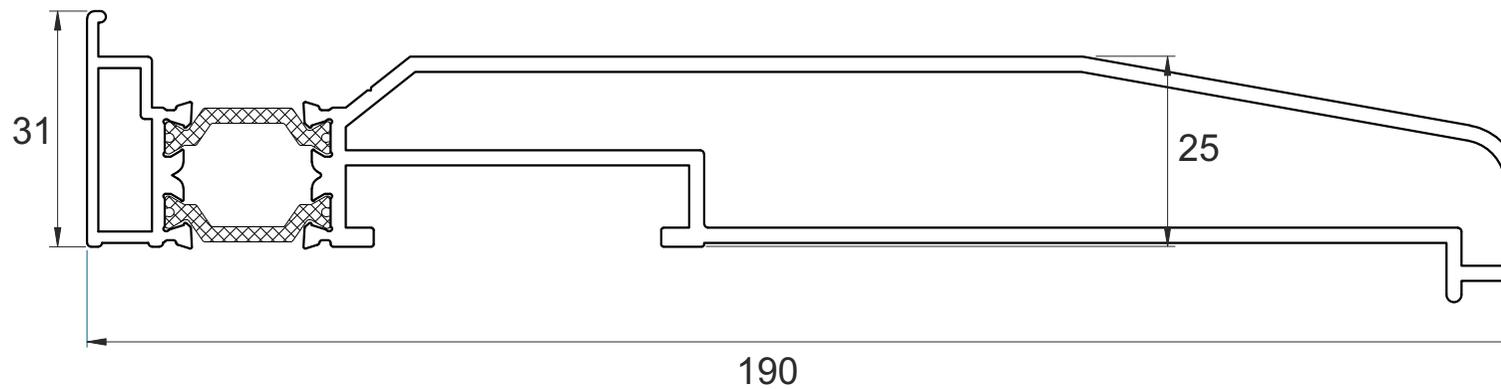
150mm Projection Cill: ETC157N

For Two Track System Only



190mm Projection Cill: ETC158N

For Two Track System Only



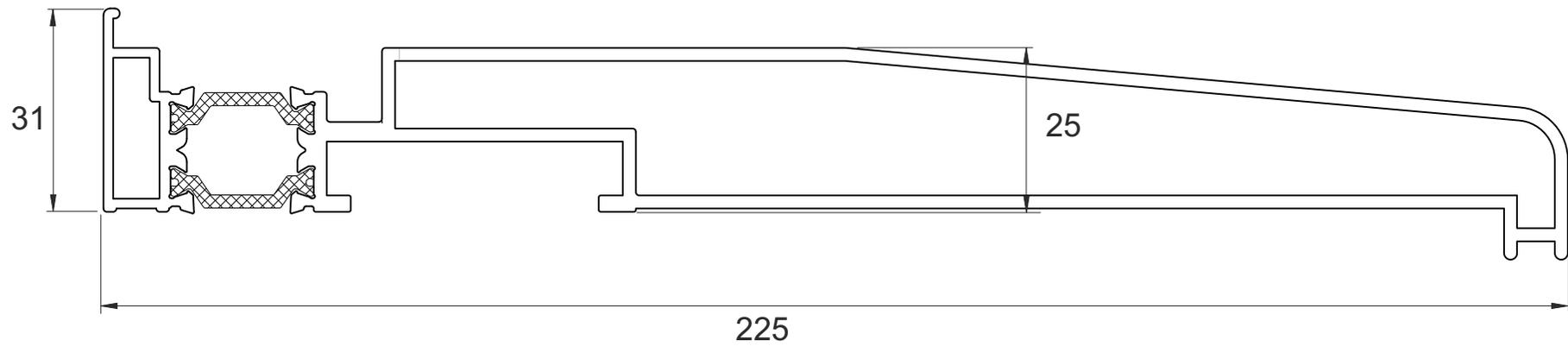
Projection Cills



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225mm Projection Cill: ETC179N

For Two Track Or Triple Track Systems





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**Penthouse Patio Doors
Two Track System**

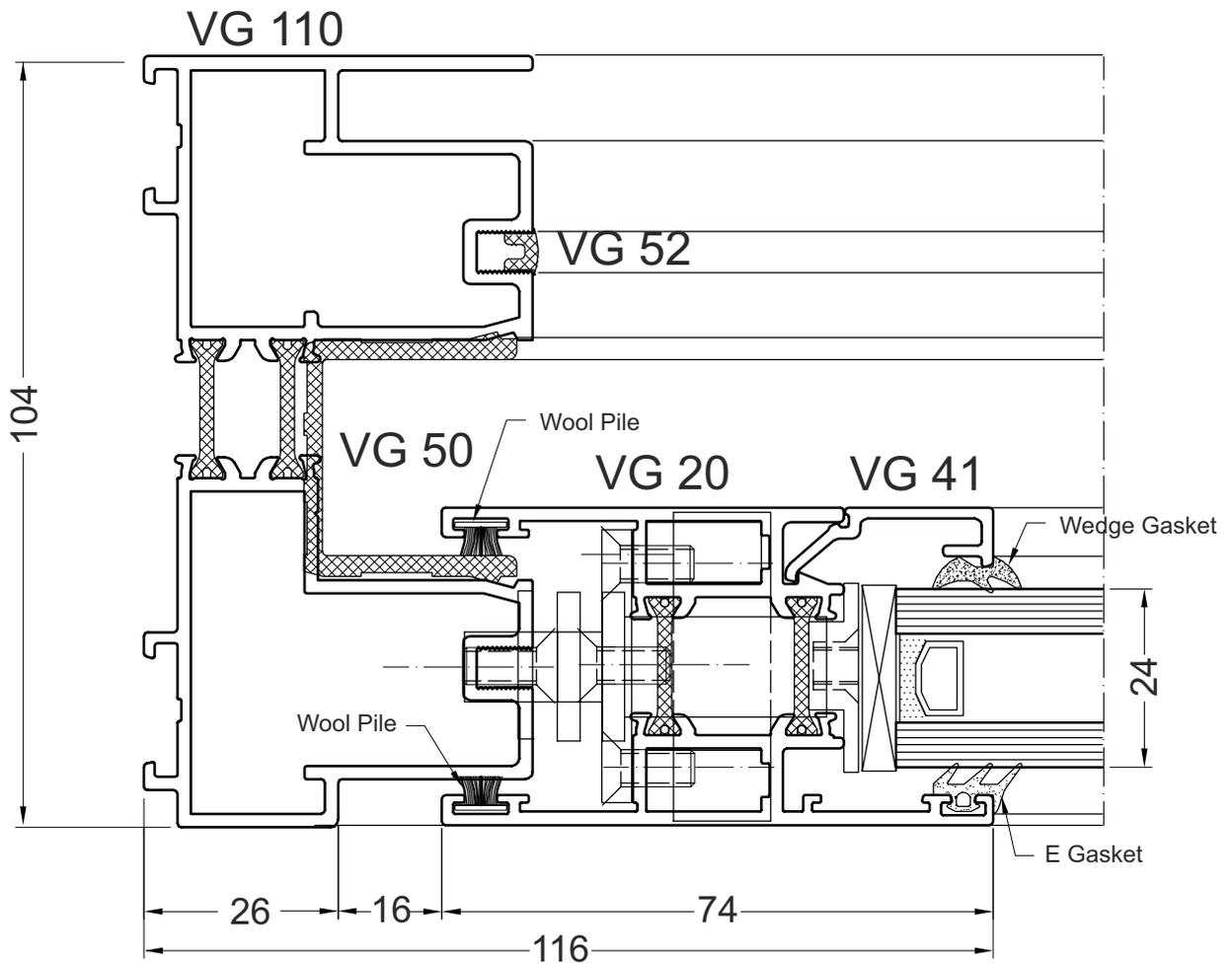
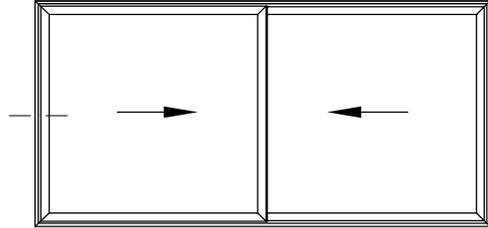
Site-lines & Sections

Two Track Jamb



DURATION
WINDOWS

Jamb Section - VG 110, VG 20, VG 41

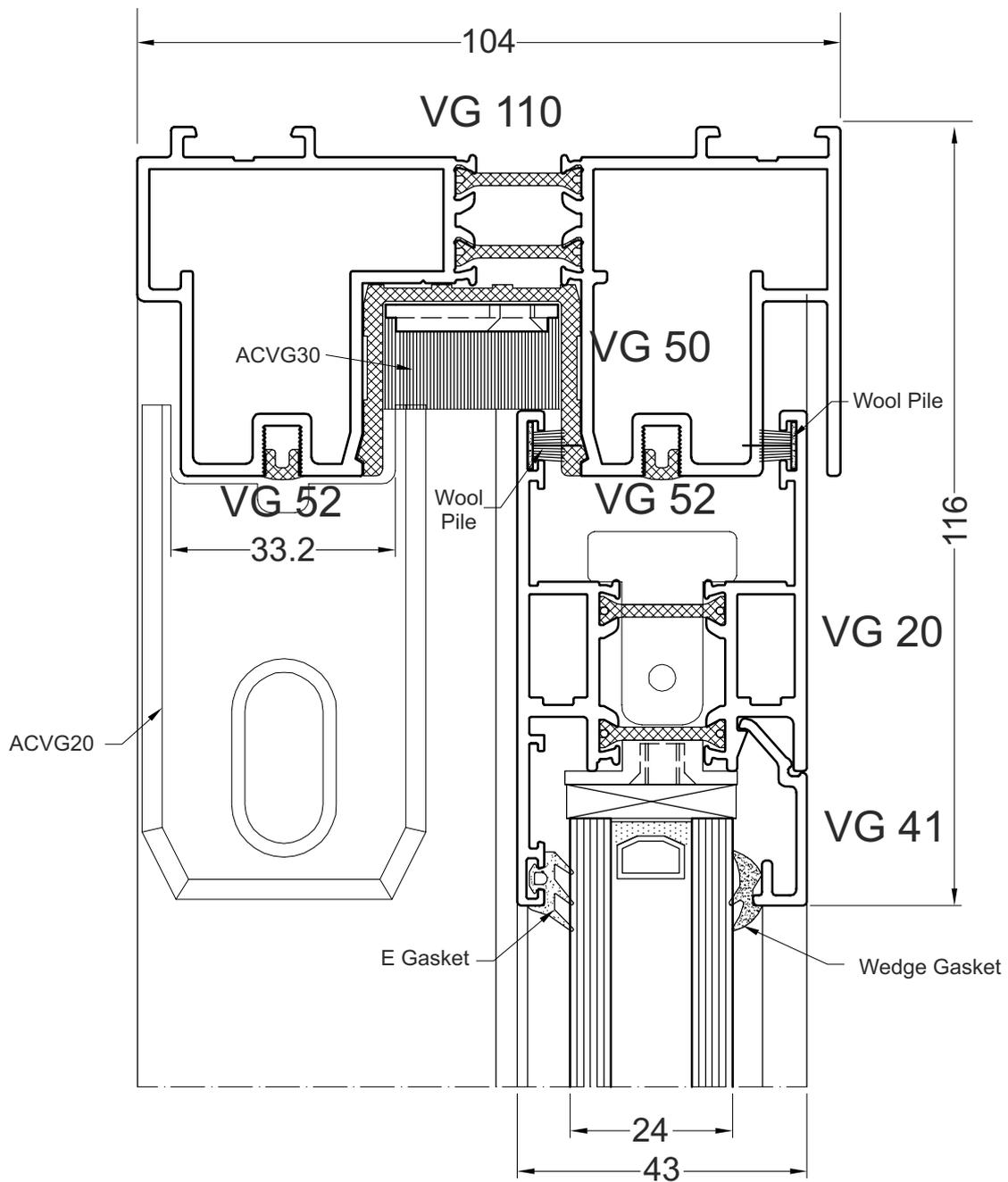
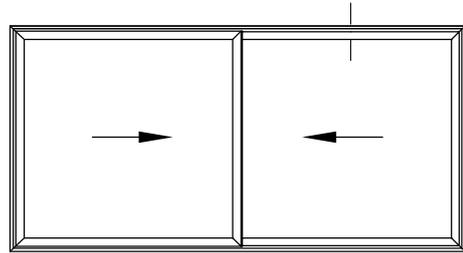


Two Track Head



DURATION
WINDOWS

Head Section - VG 110, VG 20, VG 41

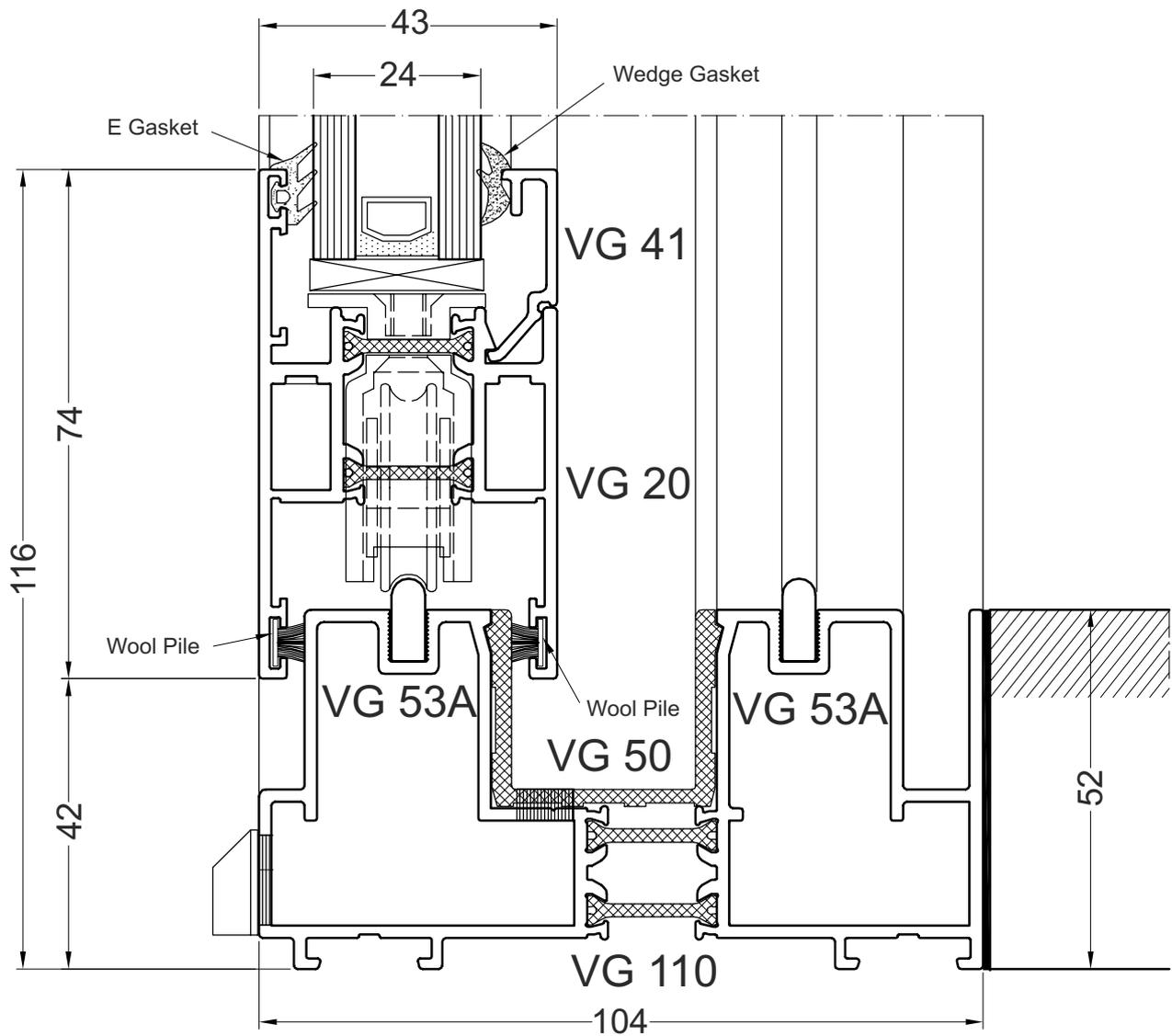
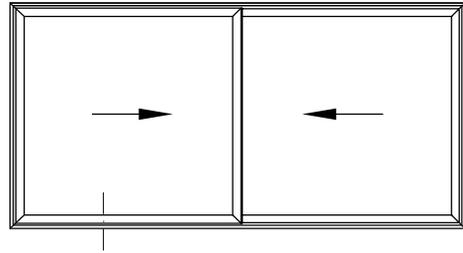


Two Track Bottom



DURATION
WINDOWS

Bottom Section - VG 110, VG 20, VG 41



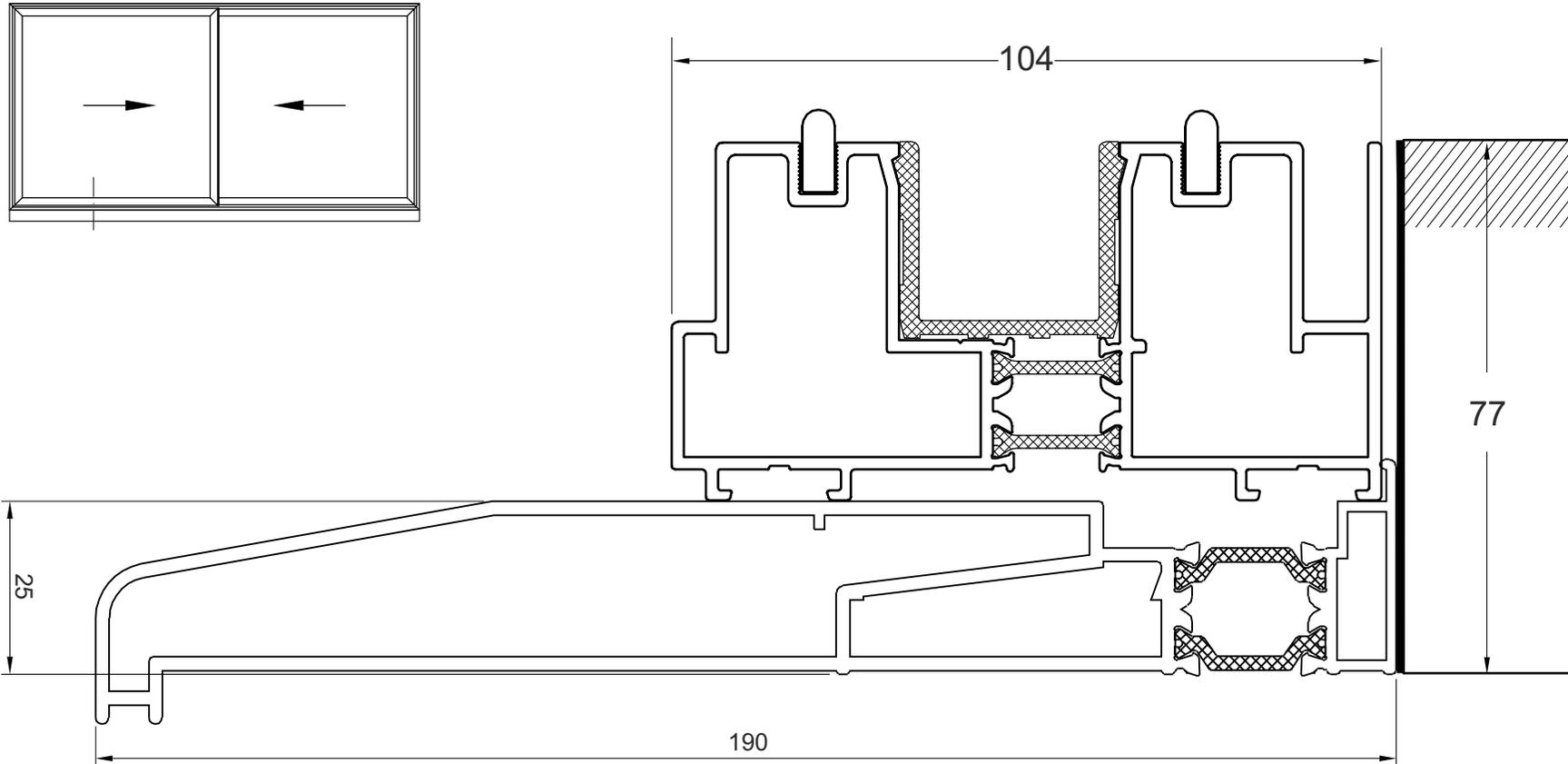
Showing Internal Floor Levels And Drop Required To Create Flush Floor Levels

Two Track Bottom With Cill



DURATION
WINDOWS

Bottom Section With 190mm Projection Cill - VG 110, ETC158



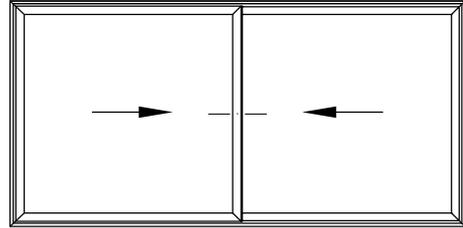
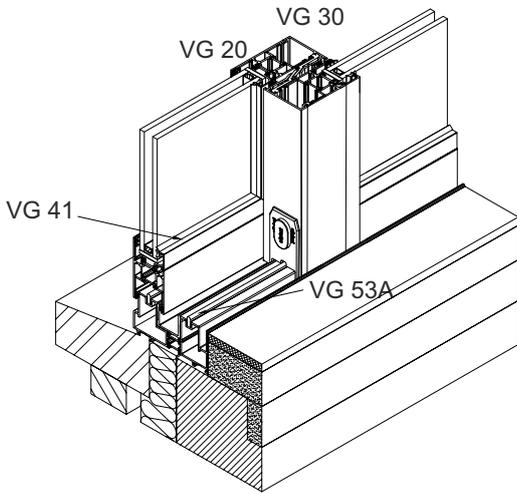
Showing Internal Floor Levels And Drop Required To Create Flush Floor Levels

Interlocks

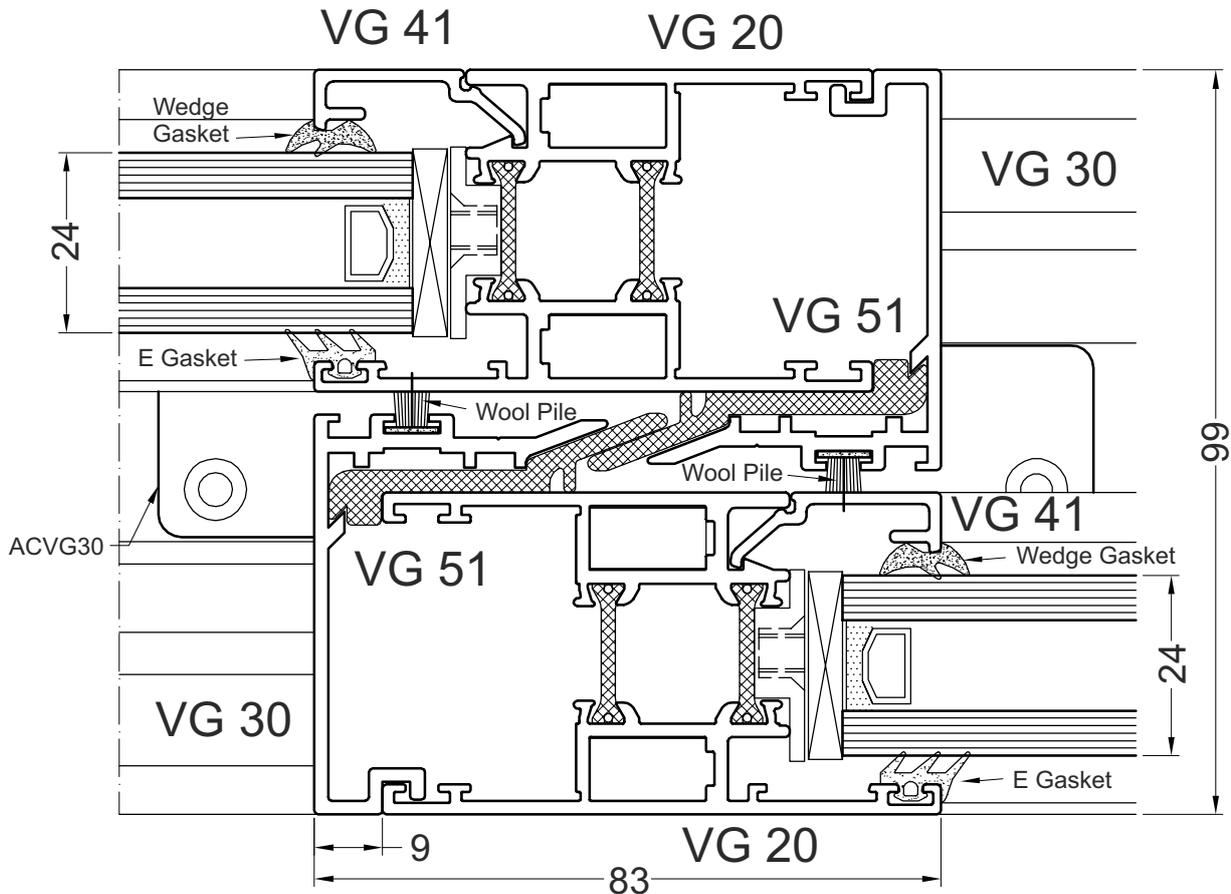


**DURATION
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Standard Interlock - VG 51, VG 30, VG 20, VG41



Suitable for doors up to 1900mm tall 1250Pa	Suitable for doors up to 2200mm tall 850Pa	Suitable for doors up to 2350mm tall 600Pa
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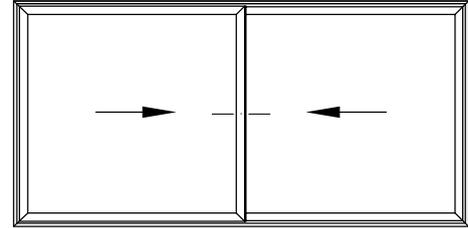
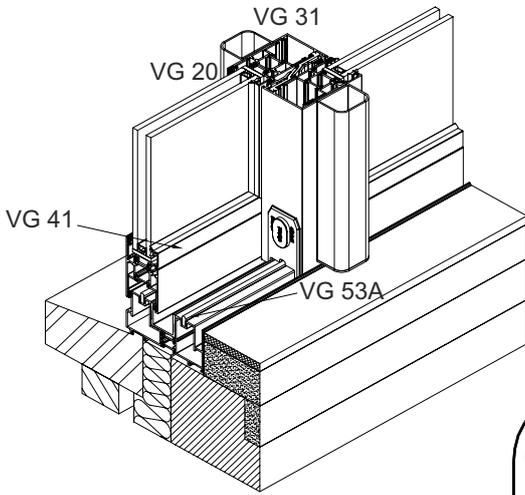
Please Note:
Interlocks & meeting styles are identical for our 2 track and our 3 track system. Please ask our technical department for more info.

Interlocks



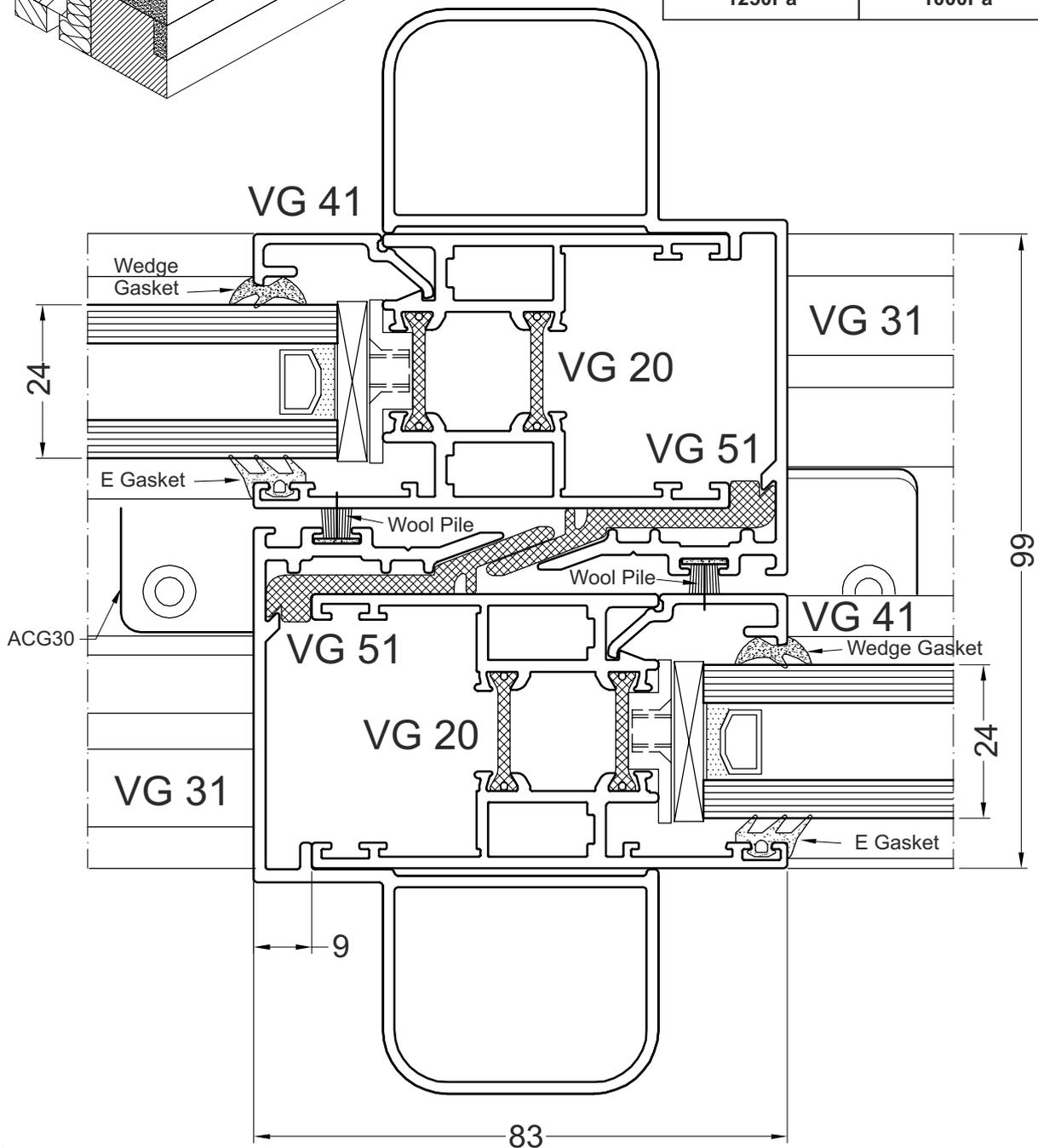
**DURATION
WINDOWS**

Heavy Duty Interlock - VG 51, VG 31, VG 20, VG41



Suitable for doors
up to 2550mm tall
1250Pa

Suitable for doors
up to 2700mm tall
1000Pa



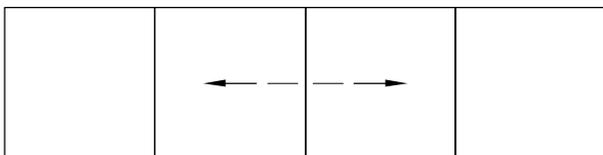
Please Note:
Interlocks & meeting styles are identical for our 2 track and our 3 track system. Please ask our technical department for more info.

Meeting Stiles

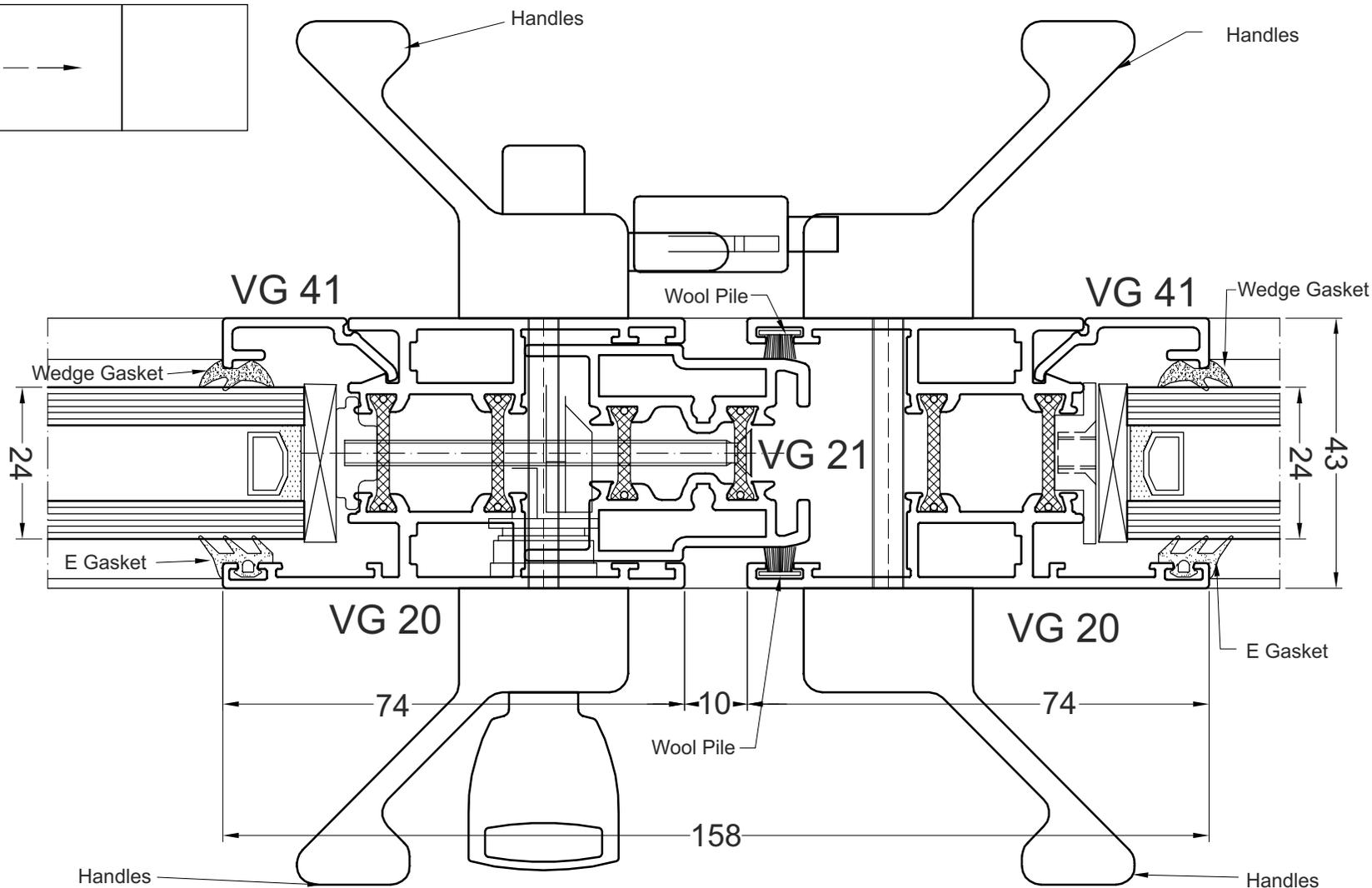


**DURATION
WINDOWS**

Bottom Section With 190mm Projection Cill - VG 110, ETC158



Suitable for doors up to 2350mm tall 1250Pa
Suitable for doors up to 2550mm tall 1000Pa
Suitable for doors up to 2700mm tall 750Pa



Please Note: Interlocks & meeting styles are identical for our 2 track and our 3 track system. Please ask our technical department for more info.

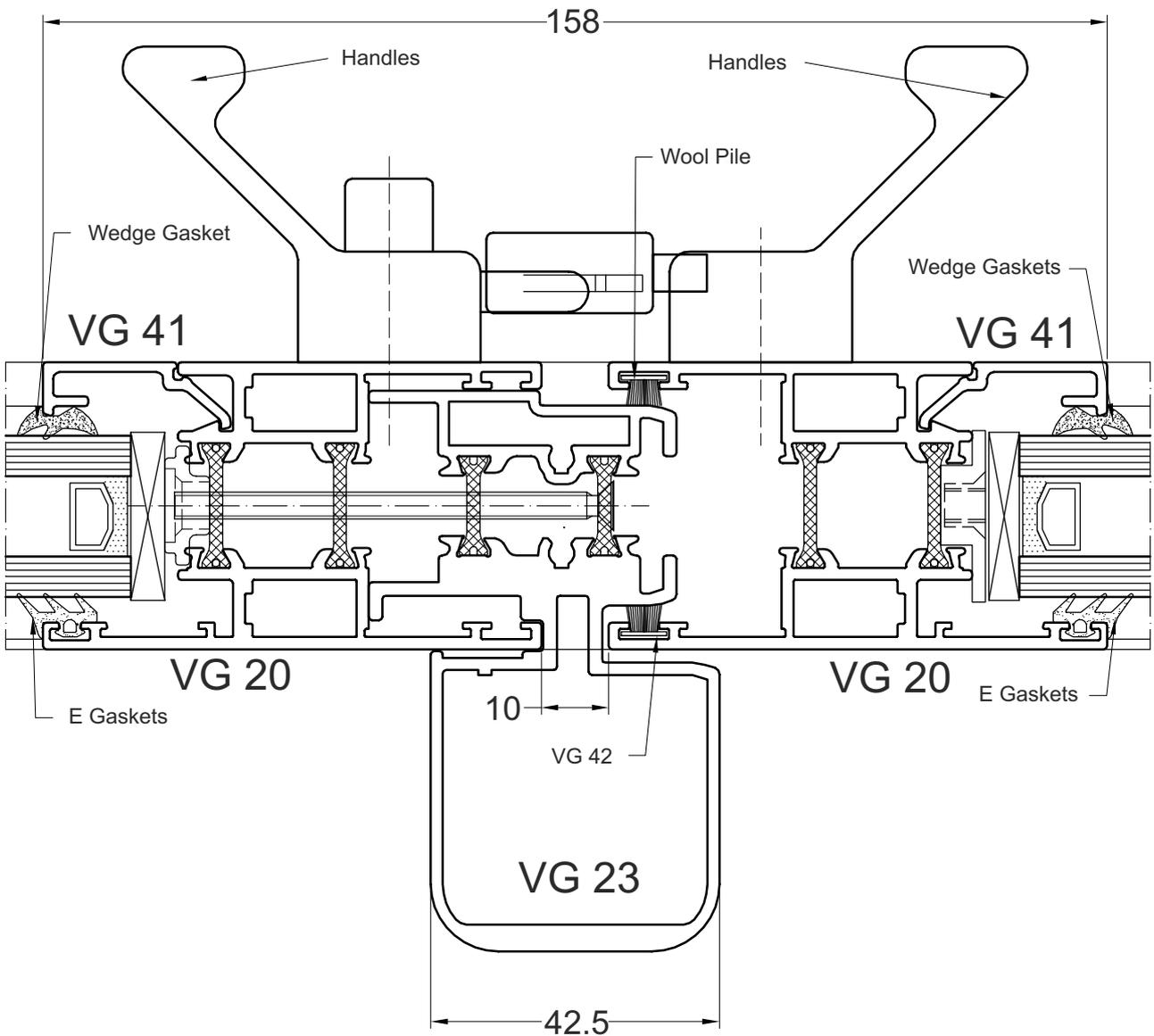
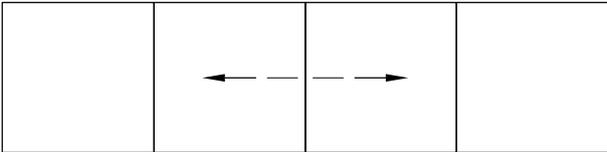
Meeting Stiles



**DURATION
WINDOWS**

Heavy Duty Meeting Stiles

Suitable for doors up to 2550mm tall 1250Pa	Suitable for doors up to 2700mm tall 1000Pa
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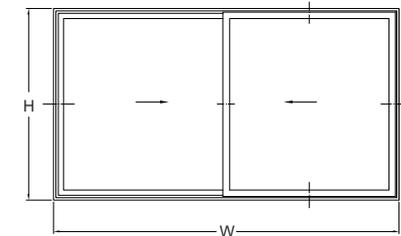
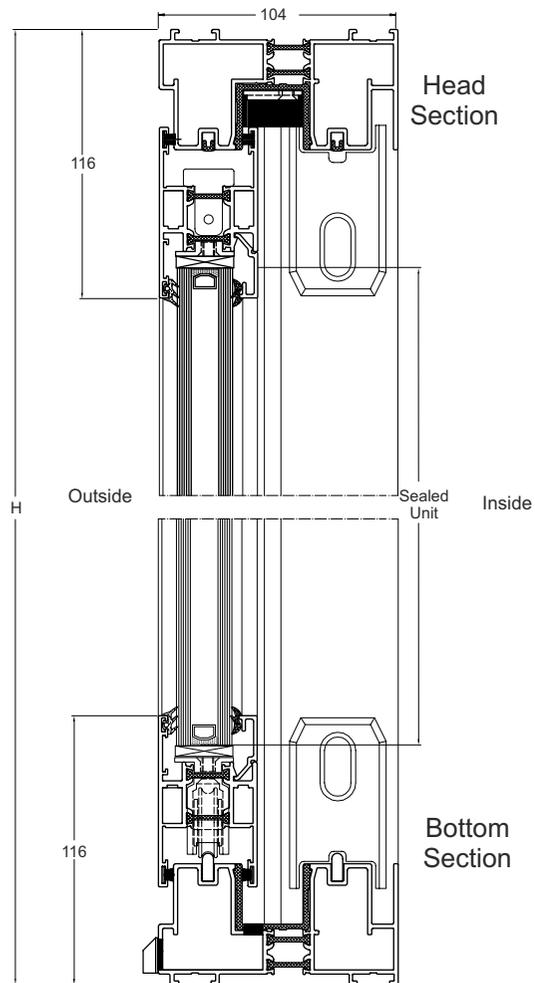
*Please Note:
Interlocks & meeting stiles are identical for our 2 track and our 3 track system. Please ask our technical department for more info.*

Two Track System General Arrangement

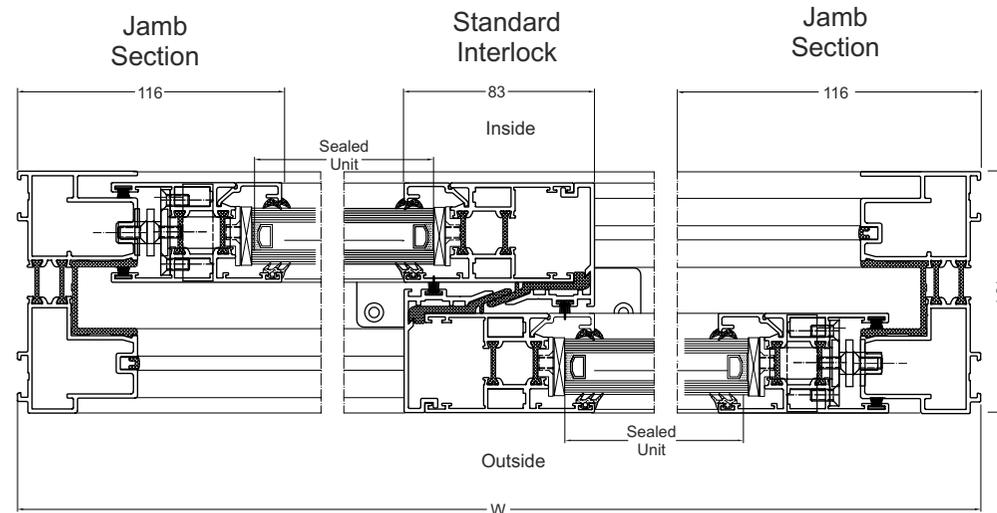


**DURATION
WINDOWS**

General Arrangement Using Standard Interlock - VG 110, VG 20, VG 41, VG30



H = Overall Height (include cill and / or head extension if required)
W = Overall Width





Penthouse Patio Doors Three Track System

Site-lines & Sections

Please Note:

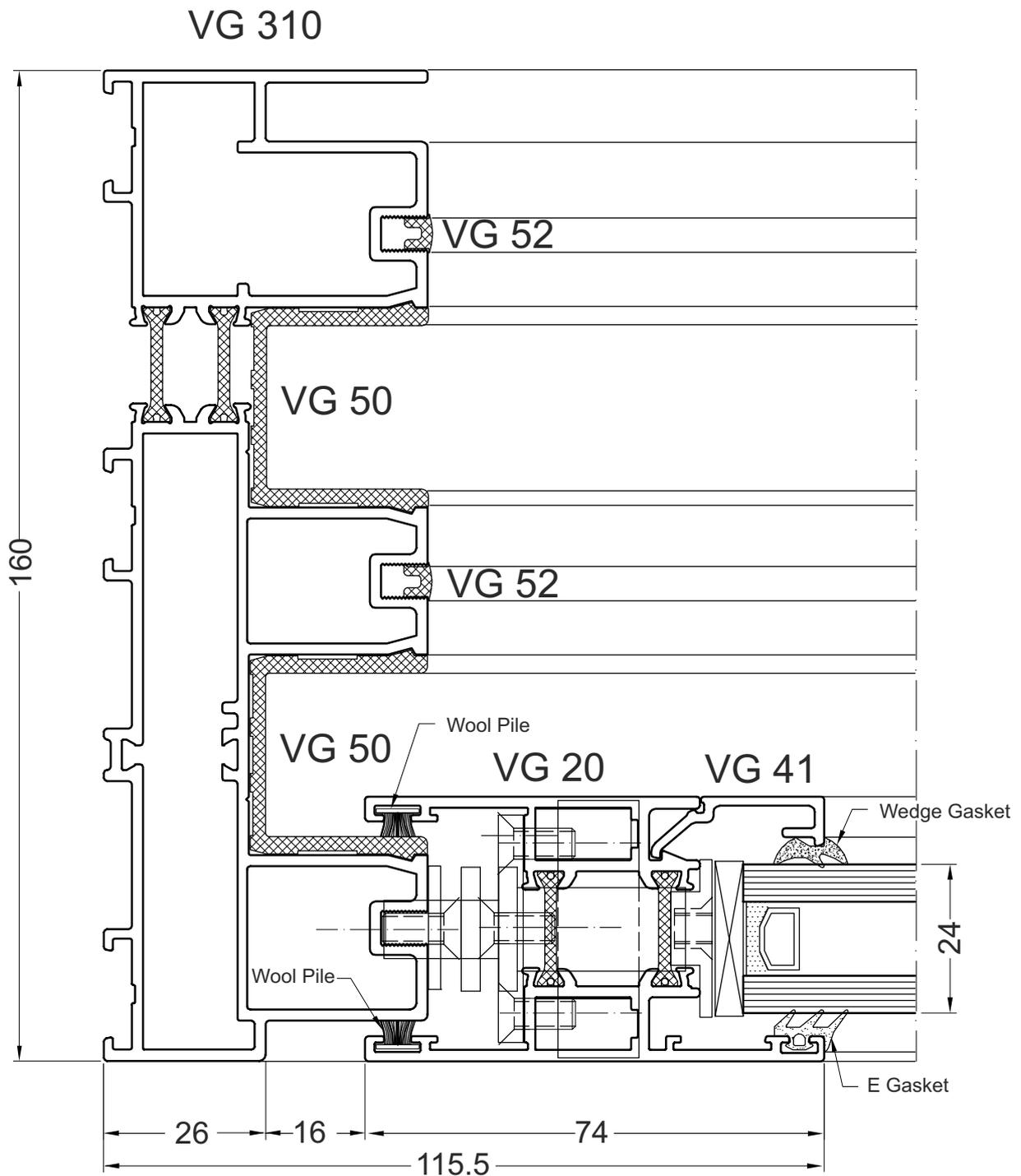
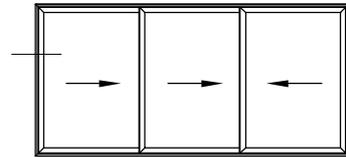
Interlocks and meeting styles are identical for our two track and our three track. Please ask our technical department for more information.

Three Track Jamb



DURATION
WINDOWS

Jamb Section - VG310, VG 20, VG 41

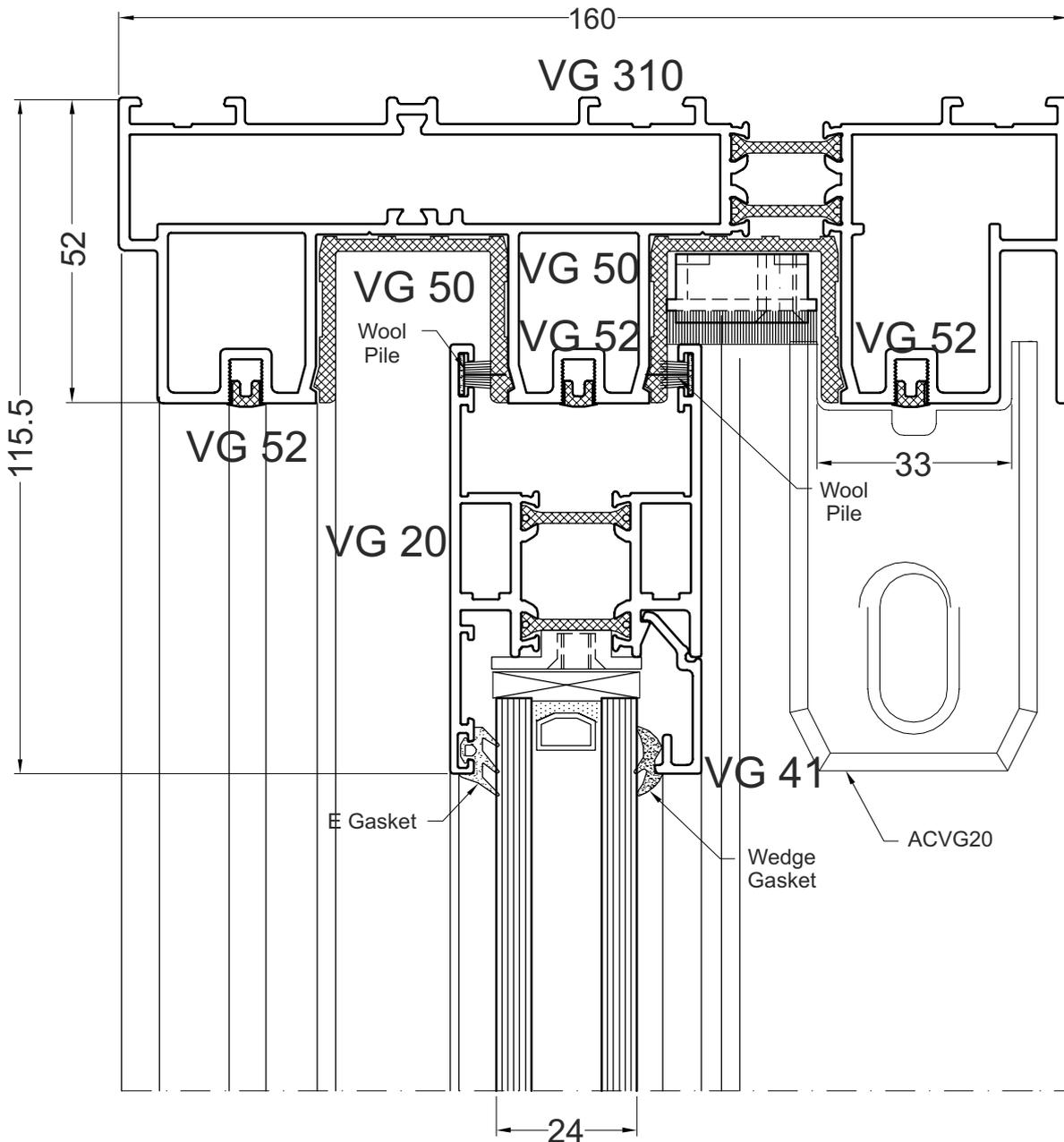
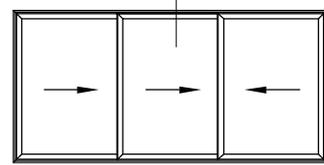


Three Track Head



DURATION
WINDOWS

Head Section - VG310, VG 20, VG 41

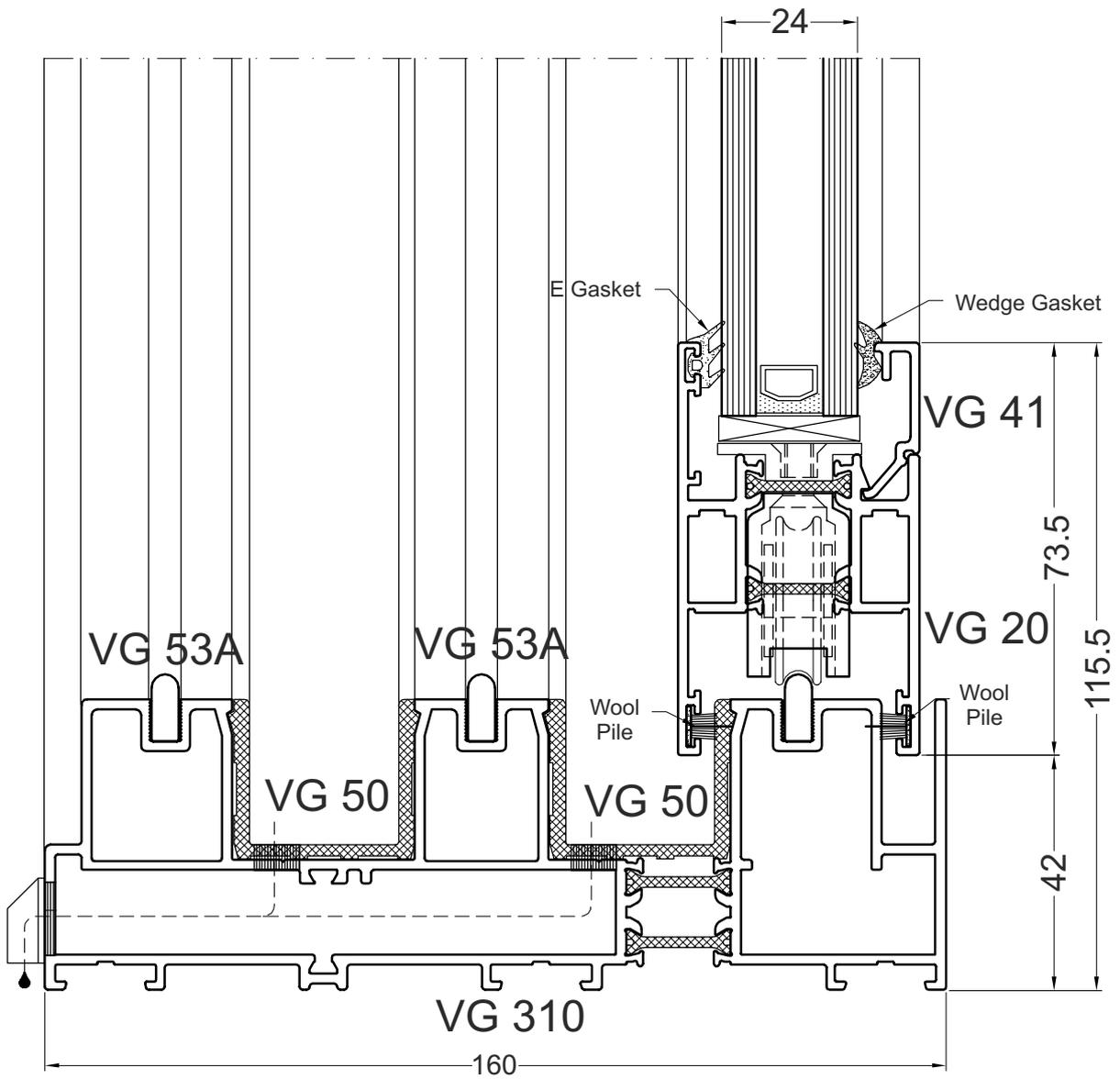
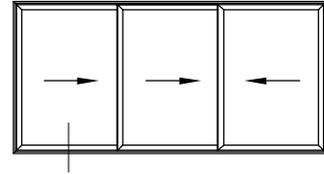


Three Track Bottom



DURATION
WINDOWS

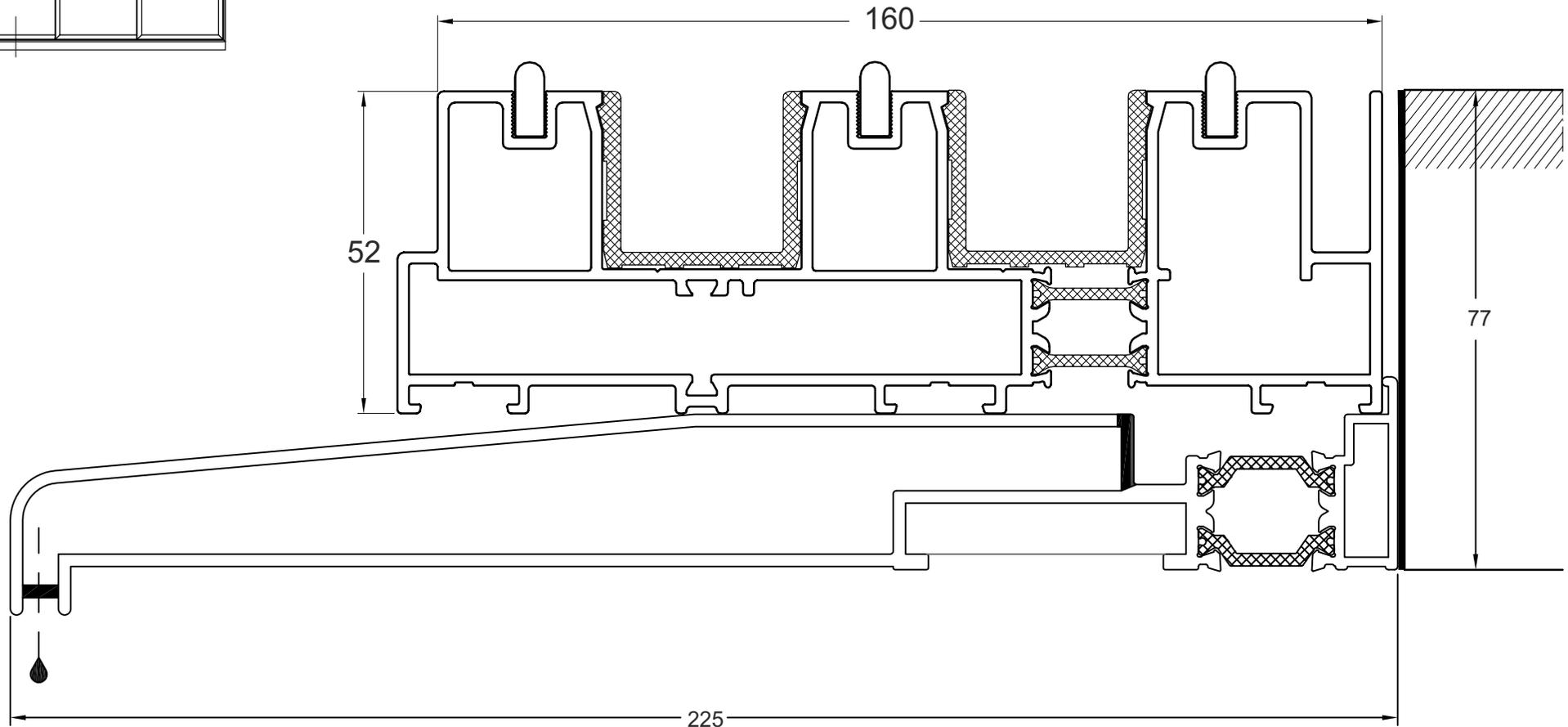
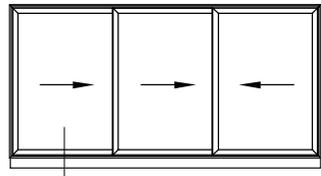
Bottom Section - VG310, VG 20, VG 41



Two Track System General Arrangement



Bottom Section With 225mm Cill - VG 310, ETC179N



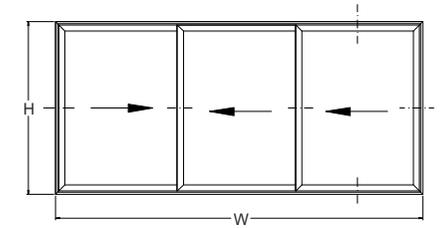
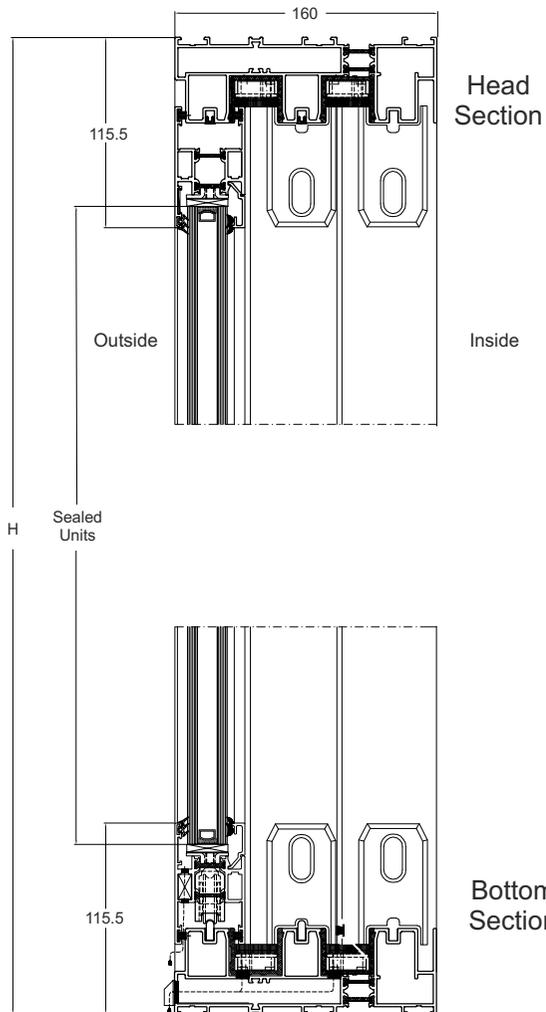
Showing Internal Floor Levels And Drop Required To Create Flush Floor Levels

Three Track System General Arrangement

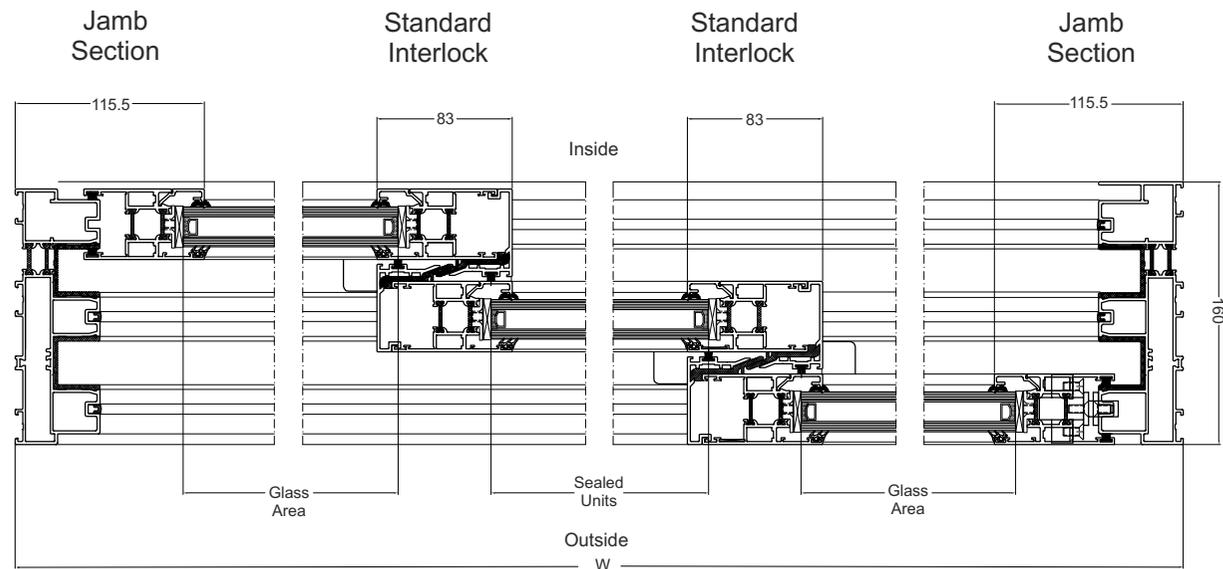


**DURATION
WINDOWS**

General Arrangement With Standard Interlock - VG 310, VG 20, VG 41, VG30



H = Overall Height (include sill and / or head extension if required)
 W = Overall Width





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**DURATION
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Manufacturing quality Aluminium Products Since 1985

Penthouse Patio Doors

Section Identification & General Arrangements

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