

Flush Casement Windows



*Flush casement
– internally beaded*

Opening Options



*Top Hung
(Top Guided)*



*Side Hung
(Side guided)*



Fully Reversible



*Fixed Light /
Fixed Sash*

Top Hung

The window can be externally or internally beaded. The hinge can be restricted or unrestricted. The opening angle of the top hung window depends on the size of the window but is between 38 degrees and up to 67 degrees. The smaller the window the bigger the opening angle.

Side Hung

The window can be externally or internally beaded. The hinge can be restricted or unrestricted. The opening angle of the side hung window is up to 58 degrees. Side hung windows have a black riser block fitted between sash and sole.

Fully Reversible

The window can only be externally beaded. The sash is restricted during opening by a restrictor lever built into one of the hinges. Pressing the lever will allow the sash to open further and allows it to reverse on the concealed PN hinge, which allows for cleaning from the inside. The hinge opens to a maximum of 170 degrees (Flush casement only)

Fixed Light / Fixed sash (Dummy sash)

The flush casement is also available as a fixed light (fixed pane of glass in a frame) or as a fixed sash. The fixed sash is an unopenable sash in a frame. The fixed sash looks like an openable window from the outside.

Window Materials

Standard window timber

- Softwood: Engineered European Redwood (finger jointed)

Alternatives (additional cost):

- Softwood with Hardwood Cill
- Hardwood: Engineered Red Grandis (finger jointed and laminated)
- Hardwood: Clear faced (for Stain colours only)

Design features:

Low-level handle

The option of a low-level handle is available on Side hung windows only. The handle will be fitted 275mm from the bottom of the sash. Max height for windows with low-level handles is 1540mm

Fire Egress Windows

Side Hung windows with fire egress do not have a fixed mullion. Both sashes can be opened. A shadow groove creates an equal divide visually between the primary and secondary sash. The shadow groove is situated on the inside of the secondary sash and on the outside of the primary. Windows with fire egress can only have an equal divide

(both sashes same size).

On estimates and orders confirmations Fire Egress is explained as follows: Fire Egress (no fixed mullion)

Dimensions

- Frame depth: 68mm or 92mm
- Sash depth: 58mm (28mm glazing) or 69mm (40mm glazing)
- Gap tolerances around the moving sash: Bottom 10mm, Sides 5mm, Top 5mm

Minimum and Maximum Sizes

Sidehung:

- Minimum width / height 420mm / 460mm
- Maximum width / height 1010mm / 1710mm

Fire egress (outer frame size):

- Minimum width / height 673mm / 900mm

Tophung:

- Minimum width / height 420mm / 460mm
- Maximum width / height 1460mm / 1610mm

Fully reversible:

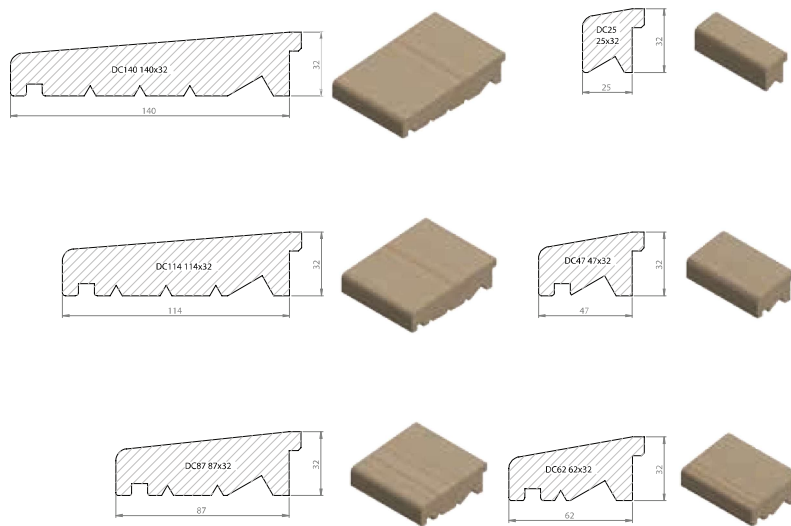
- Minimum width / height 460mm / 456mm
- Maximum width / height 1545mm / 1610mm

External cill extensions

An external cill extension/projection is a nosing that is added to the frame using a cill groove. The cill groove is defaulted in the product (except on sidelights) but can be removed.

Cill Extension dimensions:

- Width: 25mm, 47mm, 62mm, 87mm, 114mm and 140mm
- Height: 32mm



The small triangular grooves on the underside of the cill extensions are there to prevent the wood from curling/bending.

Internal Cill Groove

An internal cill board groove / window board groove (10mm wide) can be selected for the inside bottom of the window frame. Allan Brothers do not supply internal window cill board.

Head Drips

Products can be delivered with a head drip or prepared for a head drip. The head drip groove is 10mm wide and 7mm deep.

Packers / Frame Extensions

Packers are available on all products. They can be fitted to the side, top and/or bottom of the frame.

Packer sizes available:

- 20mm, 30mm, 35mm, 40mm, 50mm, 55mm, 60mm, 65mm, 70mm, 75mm, 85mm, 100mm

The most used packer is 20mm. Please note that if a packer is added to the frame there will be a visible joint between frame and packer on the finished product.

Finish / Colours

As a standard, Allan Brothers offer 10 RAL colours you can pick from. These are included in the price and can be supplied on a standard lead time. We also offer 3 Stain colours as standard, but they come with an extended lead time.

In addition to our standard range we also offer:

- Any RAL colour (not Pearl and Metallics) (additional cost applies)
- RAL colour match to Farrow and Ball (additional cost applies)
- Dual colours (additional cost applies)

Please note that picking a non-standard colour may add to the lead time. On product with a Stain Finish you may be able to see the finger joints and timber repairs through the Stain. This is to be expected and is not covered under warranty.

Standard Colours & Stains

Traffic White 9016	Cream White 9001	Agate Grey 7038	Chartwell Green NS3010-G 20 Y
Reseda Green 6011	Traffic Red 3020	Mahogany Brown 8016	Brilliant Blue 5007
Anthracite Grey 7016	Jet Black 9005		
Mahogany Stain	Cyprus Light OakStain	Teak Stain	

Casement Window Hardware



Cranked Handles

White, Chrome, Gold, Graphite, Antique Black, Black



Monkey Tail Handles

Chrome, Gold, Graphite, Antique Black



Tear Drop Handles

Chrome, Gold, Graphite, Antique Black

Trickle Vents

Trickle vents can only be fitted to the head of the frame above a sash. They cannot be fitted in a fixed light with no sash. Trickle Vents are visible on the inside of the window but concealed from the outside.

The vents are available in the following colours:

- White (fitted with silver screws)
- Brown (fitted with black screws)
- Grey Silver / Satin Anodized (fitted with black screws)

Sizes: 250mm 425mm and 695mm. The 425mm vent is the standard vent.



Double Glazing

As a standard, all Casements are delivered with 28mm (4-20-4) low-energy glazing with a black Warm Edge spacer. The Ug of the standard pane is 1.2 w/m²K

Other glazing options available:

- Toughened (toughened both sides): Ug 1.2 w/m²K
- Laminated/Toughened (Laminated out/toughened in): Ug 1.2 w/m²K
- Acoustic (acoustic laminated out/toughened in)
- Solar protection glass (toughened both sides)

Glazed units over 1350mm high must use toughened glass from a security/safety perspective. Kite marks will appear on toughened and laminated glass.

Triple Glazing

Flush casements can be fitted with 40mm (4-14-4-14-4) low-energy glazing with a black warm edge spacer. The Ug of the triple glazing is 0.7 w/m²K. 40mm glazing can also be made toughened.

The 40mm triple glazing is only available with a 92mm frame and in a 69mm sash profile.

Leaded Glazing

Lead is only available on toughened glass. The Lead pattern will be fitted on the outside of the glazed unit.

- Lead widths available: 6mm, 9mm and 12mm
- Lead colour: Light Silver Grey or Dark Silver Grey (Antique)

Obscure & Decorative Glazing

We offer four types of obscure glazing as standard. The obscure windowpane will be fitted to the outside of the pane and the clear pane of glass will be fitted to the inside of the pane.

Patterns available

- Satinovo, Minster, Stippolite, Cotswold



Satinovo - Privacy level 5



Minster - Privacy level 2



Stippolite - Privacy level 4



Cotswold - Privacy level 5

Spacer Bar

Following spacer bars are available:

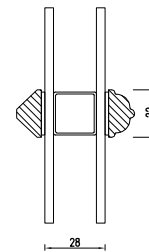
- Black, Warm Edge (text printed in light grey)
- White, Warm Edge (text printed in light grey)
- Silver (not Warm Edge) (text printed in black)

Bonded / Astragal Bars

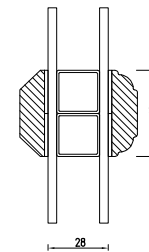
Our bonded / astragal bars feature an ovolo profile on the inside and a bevel profile on the outside. We offer 3 types of bar dimensions:

- 22mm (Standard, made from Q-wood unless it's a Stain Colour)
- 40mm (made from timber)
- 56mm (made from timber)
- Stain Colour: All beads and bars are made from timber

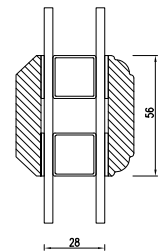
22mm BONDED BARS



40mm BONDED BARS



56mm BONDED BARS



Installation / Delivery Information

All our windows and doors are delivered on a pallet (securely fastened). The products (pallet) are wrapped in a protective plastic wrapping, which protects the product on route to site. Once delivered to site, the products must be stored in a safe and dry environment and the plastic wrapping must be removed. If left on, the plastic wrapping functions as a green house, which can make the products overheat leading to the paint swelling or breaking.

Product weight: The weight of individual products will be listed on the quote and order confirmation.

Maintenance and repair: All orders are delivered with an Operating and Maintenance Manual.

Order information: All products are fitted with a label that includes order number, position number, size and colour. This number is unique to the product and identifies all relevant information needed in case of transportation damages or warranty-related issues.

Default Ordering Settings

- 92mm frame
- 58mm sash
- 28mm low-energy glazing
- Argon gas
- Black warm edge spacer
- White lockable handle
- TV90 Vent (425mm)
- Colour RAL 9016
- Screws: Stainless Steel
- Internal cill board groove
- External 62mm cill extension

Warranties

- 30 Years – Rot and Fungal Protection
- 10 Years – Paint Finish (except Stain and Black finish), Glazed Unit,
- 5 Years – Hardware/Ironmongery, Stained Finish, Black Paint Finish Warranty

Certifications

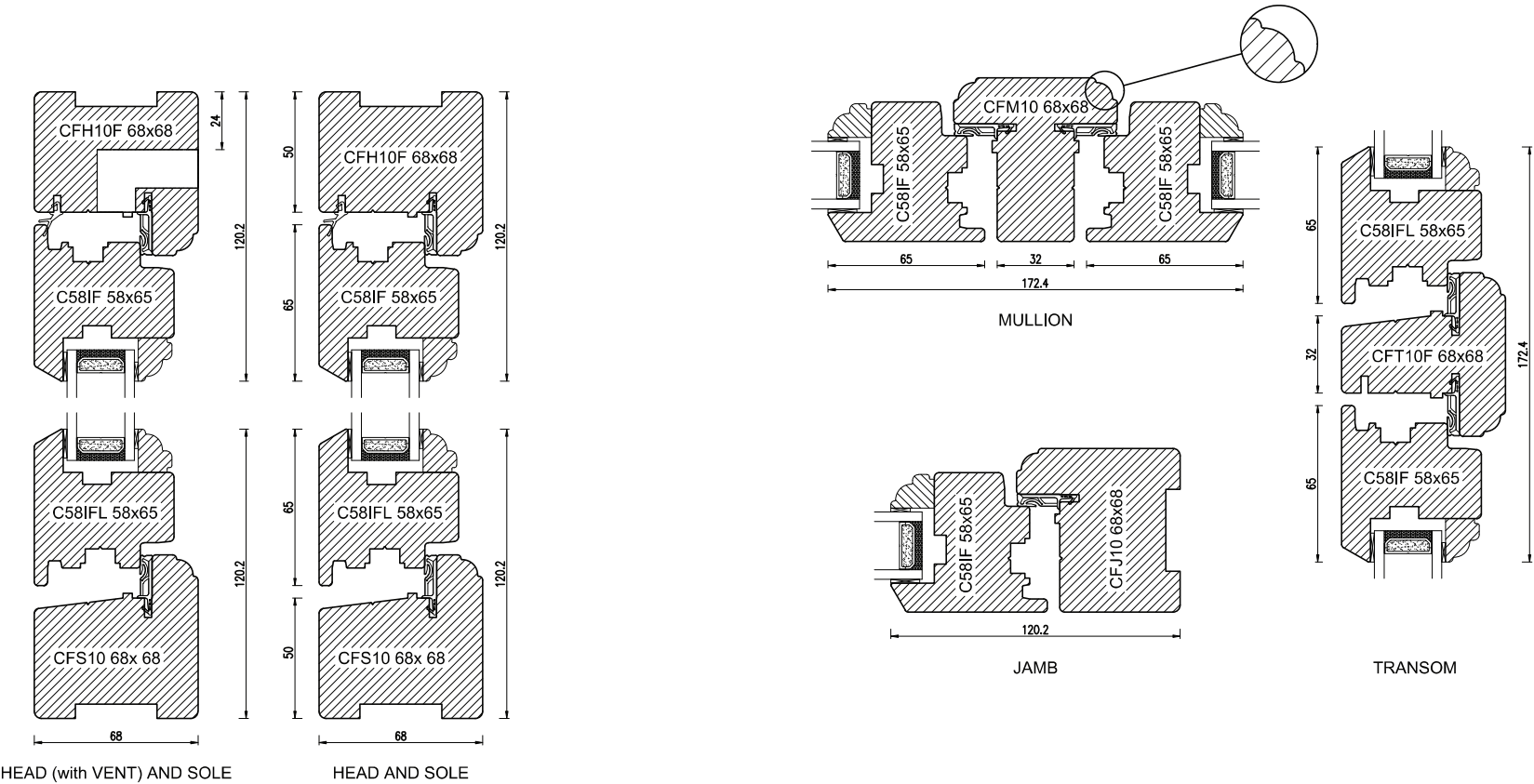
- Secured by Design
- PAS24 (Q-mark)
- ISO9001
- FSC certified wood

Thermal Performance

- 1.4 W/m²K (Double Glazing)
- 0.99 W/m²K (Triple 40mm glazing)

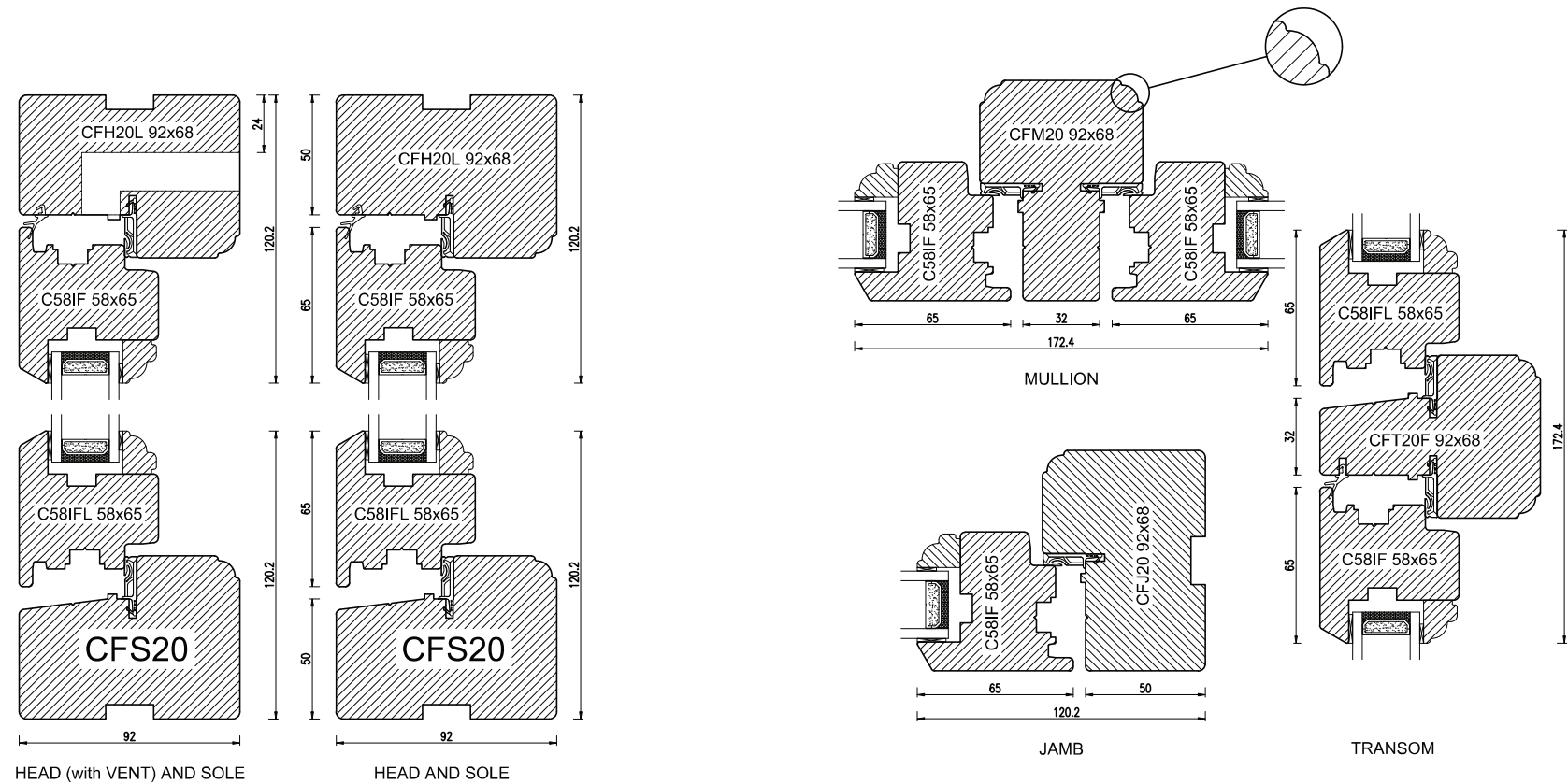
Section Drawing - Flush Casement, Internally Glazed

Internally Glazed 68mm Flush Frame Sections



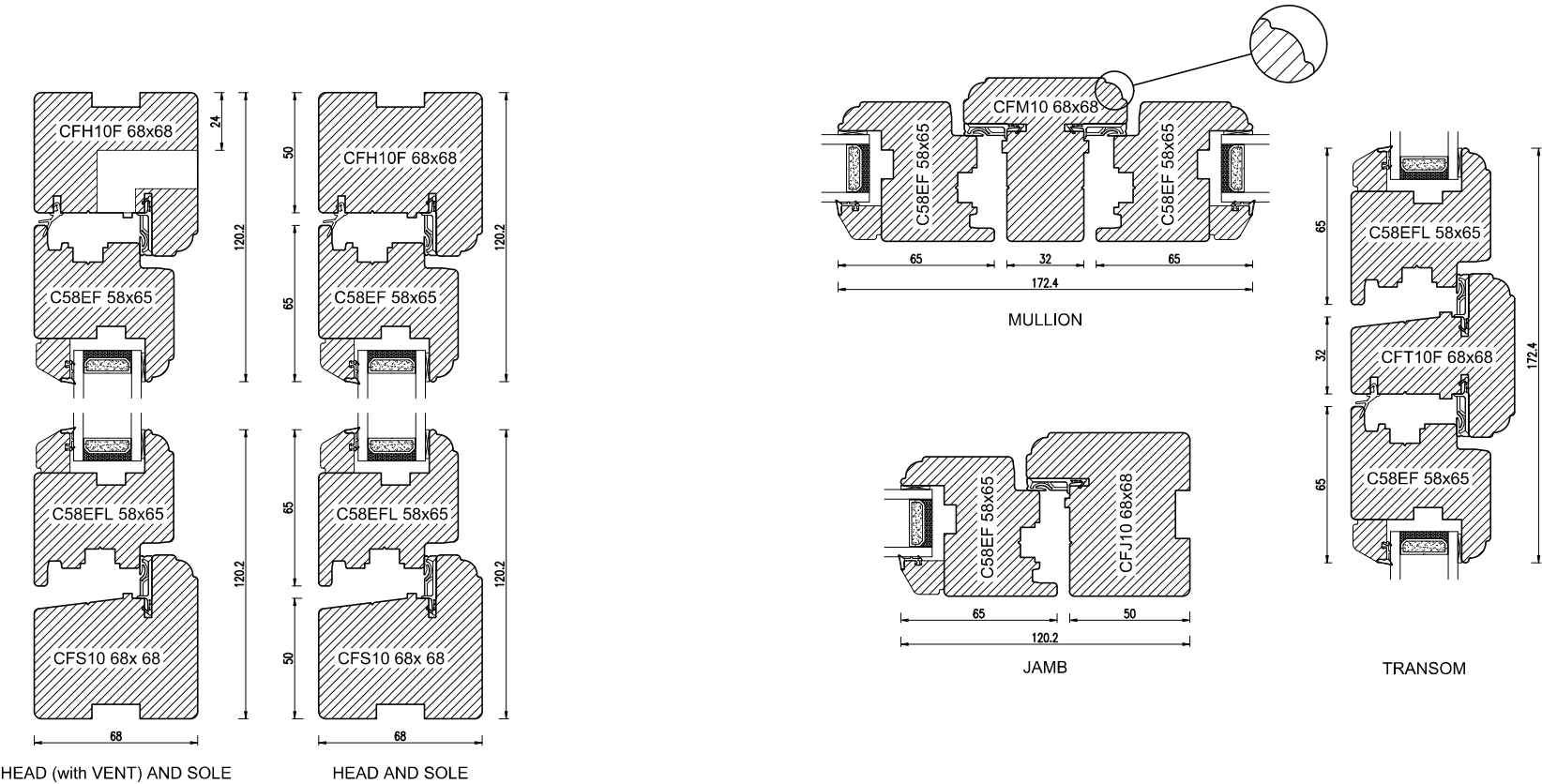
Section Drawing - Flush Casement, Internally Glazed

Internally Glazed 92mm Flush Frame Sections



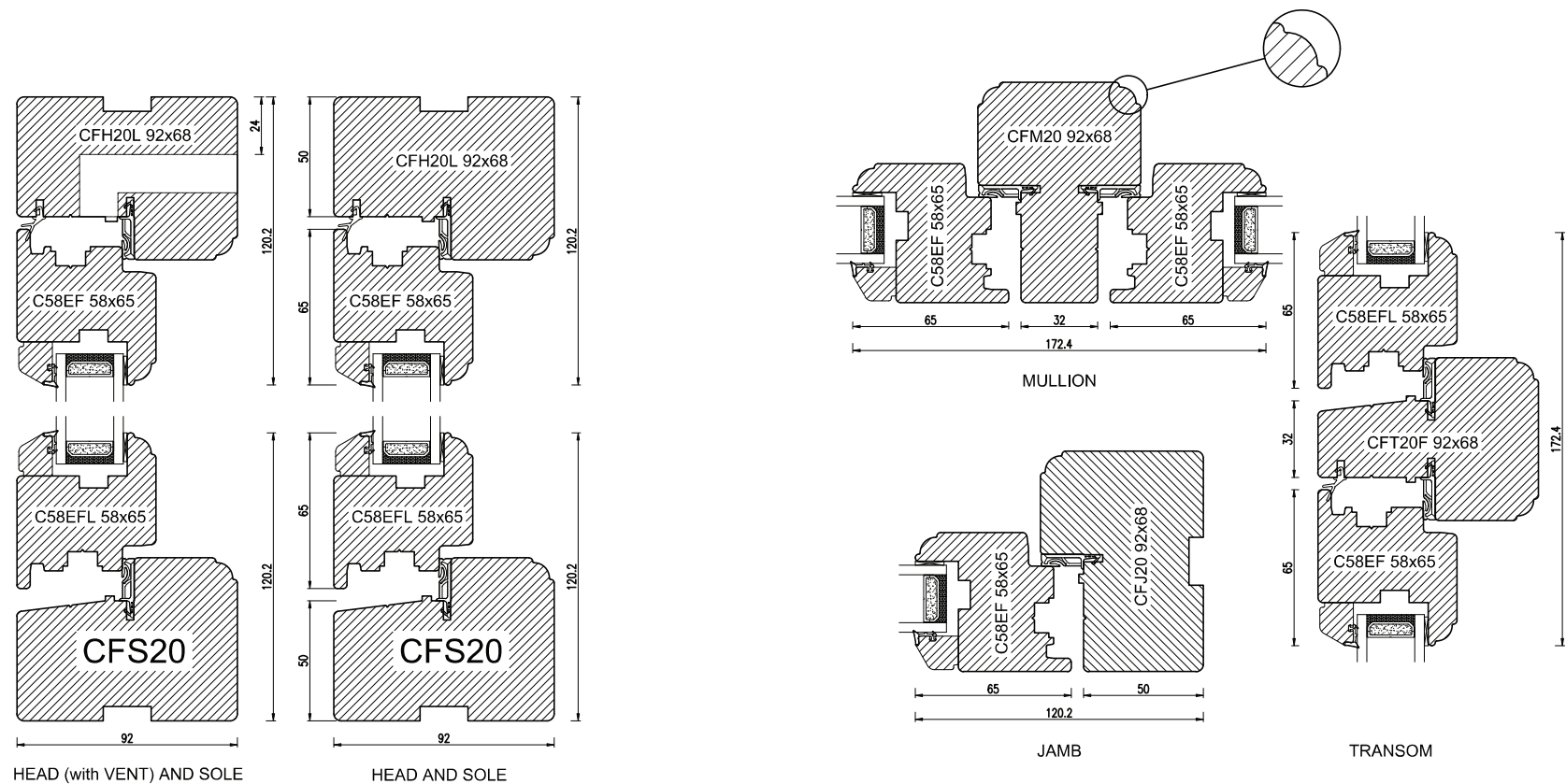
Section Drawing - Flush Casement, Externally Glazed

Externally Glazed 68mm Flush Frame Sections



Section Drawing - Flush Casement, Externally Glazed

Externally Glazed 92mm Flush Frame Sections



Section Drawing - Flush Casement, Fully Reversible (Externally Glazed Only)

