

Summary Performance

Bi-fold Windows & Doors	Requirement	Performance	Comments
Water and Air Pressure	455Pa 2130Pa	600Pa 2300Pa	Exceeds NZS 4211 2008
Height and Width		2600mm x 850mm	
Glazing		Max 30mm	
Frame Size		57mm	
Panel Thickness		50mm	
Max Panel Weight		60kg	Recommended

Sizes

Maximum sizes for Bi-fold windows and doors vary by width, height, wind zone, and glazing requirement. Your local Nulook fabricator will be able to advise you whether a configuration is possible or contact NALCO Technical Support.

As a guide AllSeasons™ Bi-fold window and door panels of up to 2600mm high by 900mm wide are attainable.

Frame Types

- Square flat faced frame with 19mm flange.
- Open out Bi-fold frame with 56mm high sill that can be rebated into the floor.
- Concealed gearing.

Glazing Beads and Panel Types

- 3 glazing beads are available for glass thicknesses ranging from 22mm to 30mm.
- 50mm wide panels to achieve greater strength and height.

- Thermally broken panel stiffener available for specific designs.
- Beaded panels can be glazed with up to 30mm IGUs.
- Panels include torsional stiffening blocks for stronger panels.
- Wide rail option available.

Flashings

A standard range of flashings include 84mm, 71mm, 63mm, 58mm, 53mm, 48mm, 41mm, 38mm, 31mm, 25mm, and 14mm. These have been designed to comply with E2/AS1 Amendment 5 requirements.

Hardware

Refer to your local manufacturer for advice.

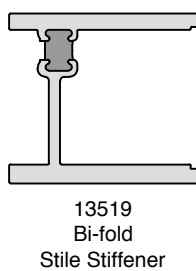
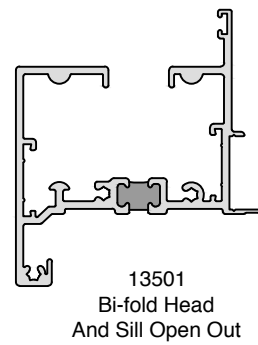
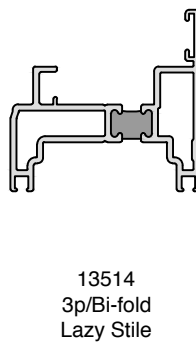
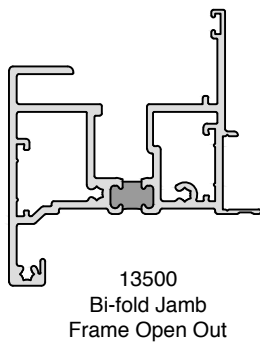
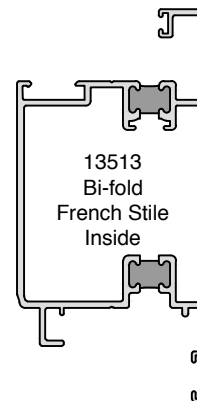
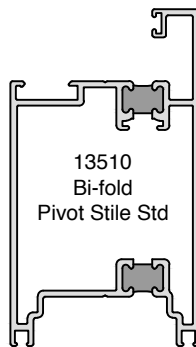
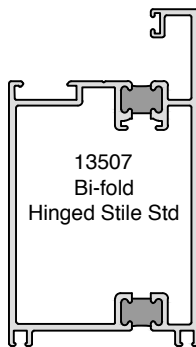
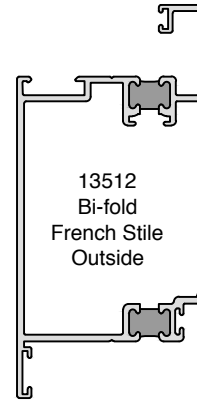
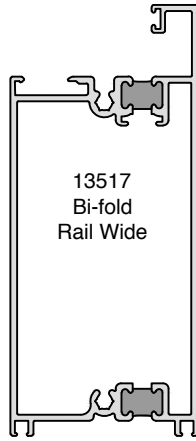
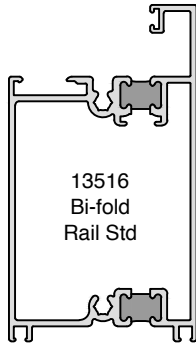
Support Inquiries

NALCO Technical 0800 685 665 or email tech_support@nalco.co.nz

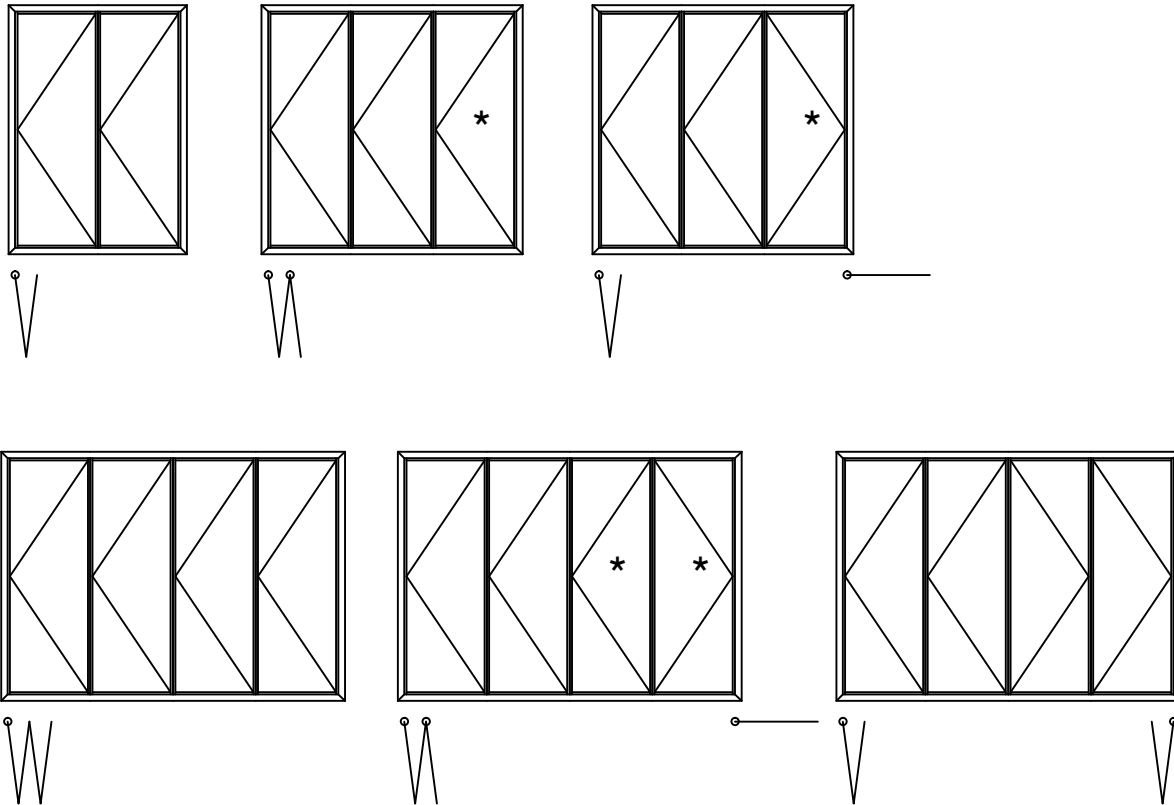


Sill Detail

Profiles



Configurations



* Designates free hinged panel independent of bi-folding action that can operate like a standard hinged door.
Where two of these panels meet a 'French Door' configuration is created.

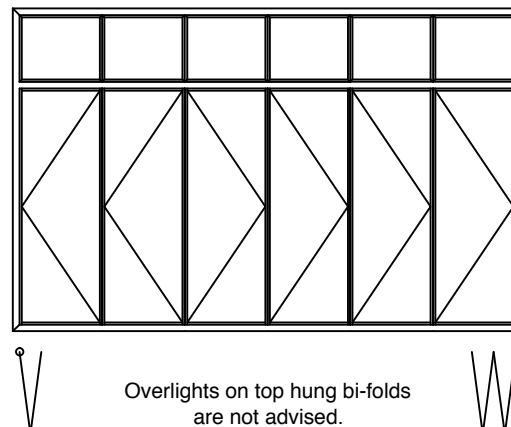
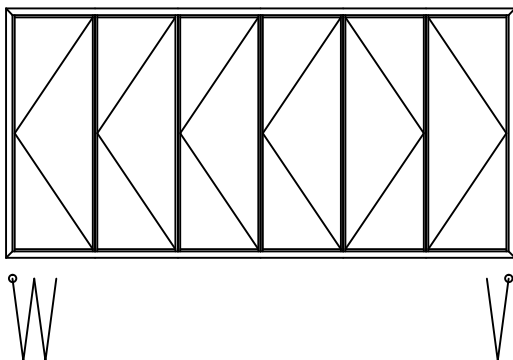
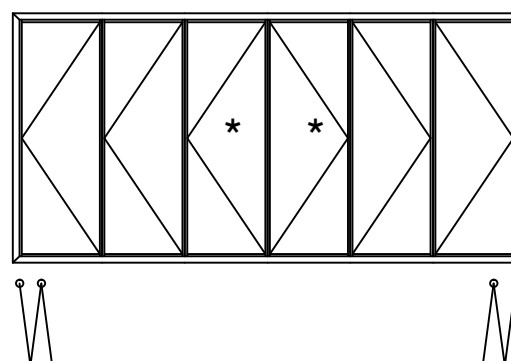
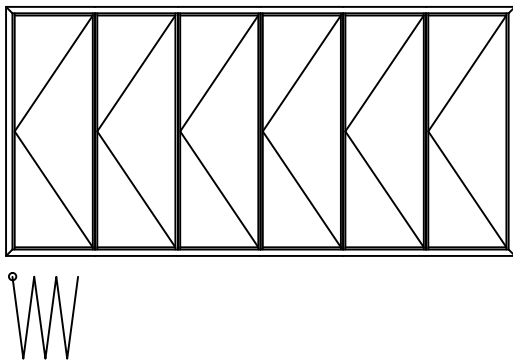
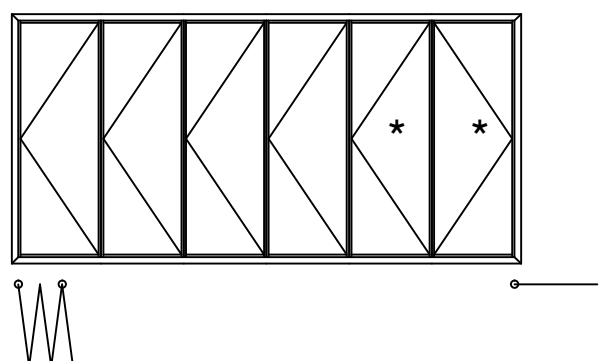
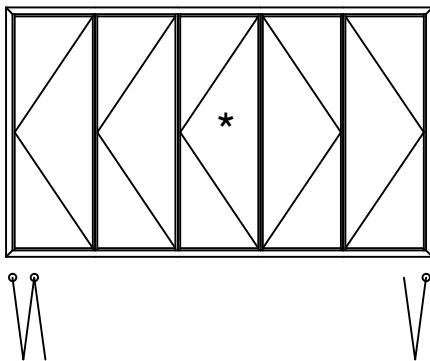
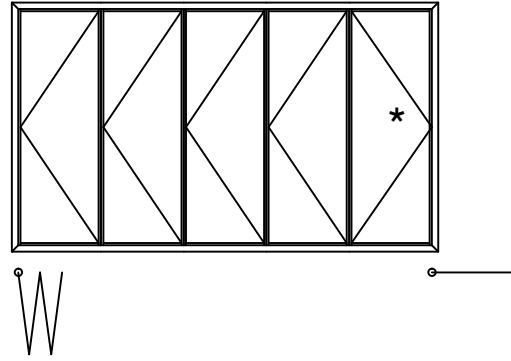
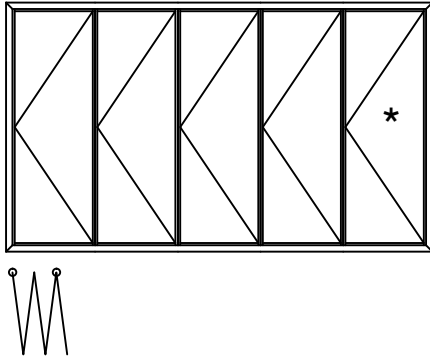
Span Tables - Bi-fold Doors @ 700mm centres

S/L Mullion	Wind Zone				
	Low	Medium	High	Very High	Extreme
13507 + 13507	2.7m*	2.7m*	2.4m*	2.3m*	2.15m*
13507 + 13507 + 13519	2.7m*	2.7m*	2.7m*	2.65m	2.5m

* Can go to greater heights but has been limited to 2.7m

More detailed span information tables are available on www.nulook.co.nz or contact NALCO Technical Support.

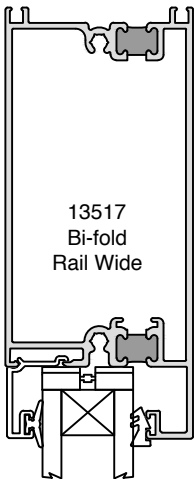
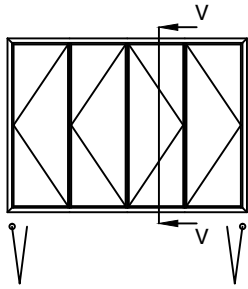
Configurations



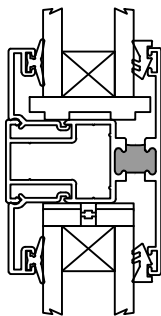
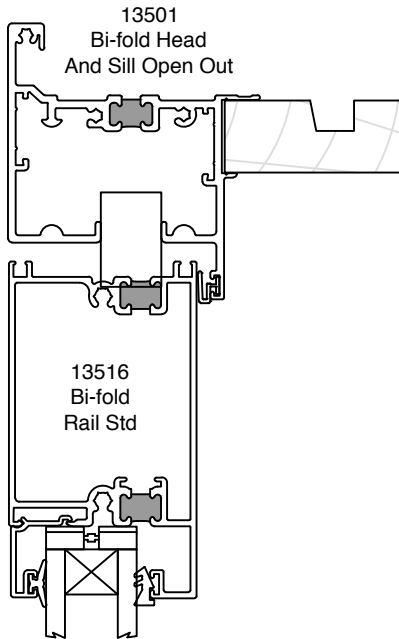
* Designates free hinged panel independent of bi-folding action that can operate like a standard hinged door.
Where two of these panels meet a 'French Door' configuration is created.

Overlights on top hung bi-folds are not advised.

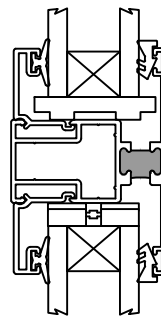
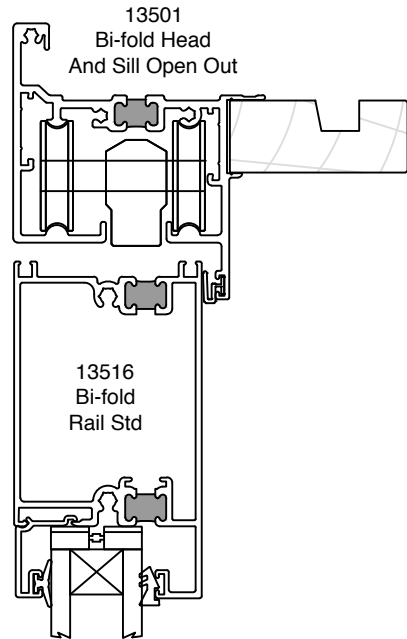
Vertical Section Thru Frame and Panel – Wide Rail Option



13401
Standard Mullion

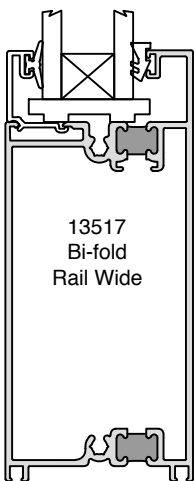


13401
Standard Mullion

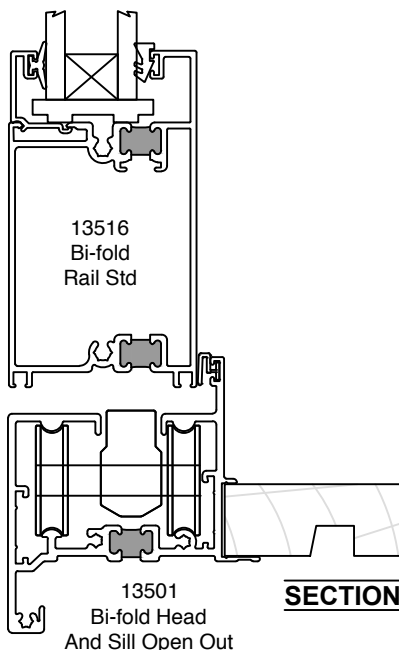


13408
30mm Bead

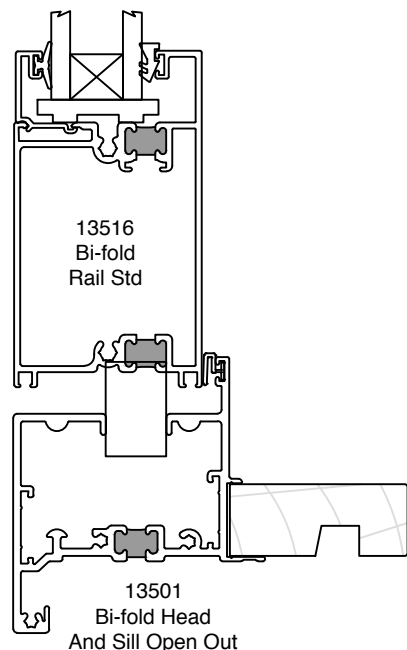
13408
30mm Bead



**Optional
Wide Rail**

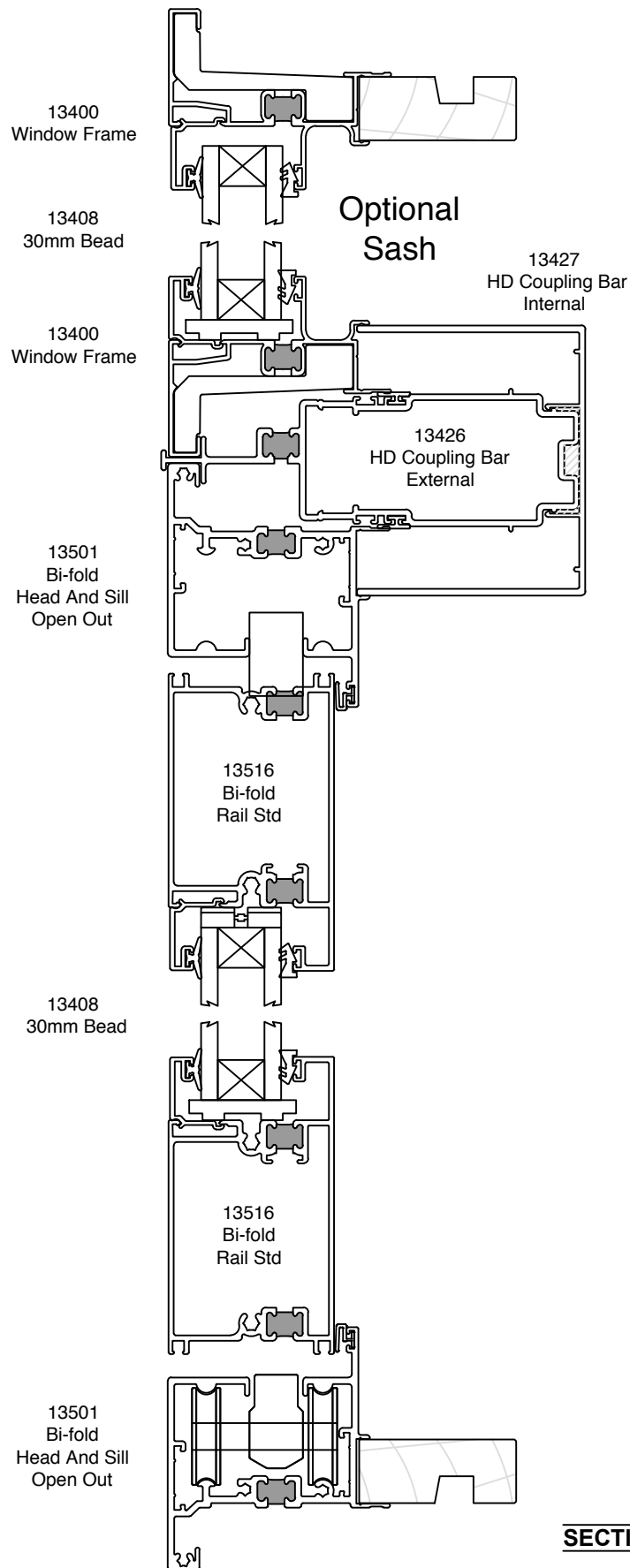
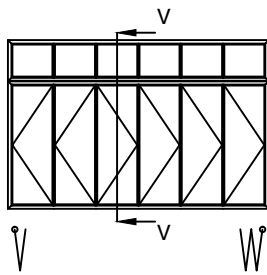


SECTION V V



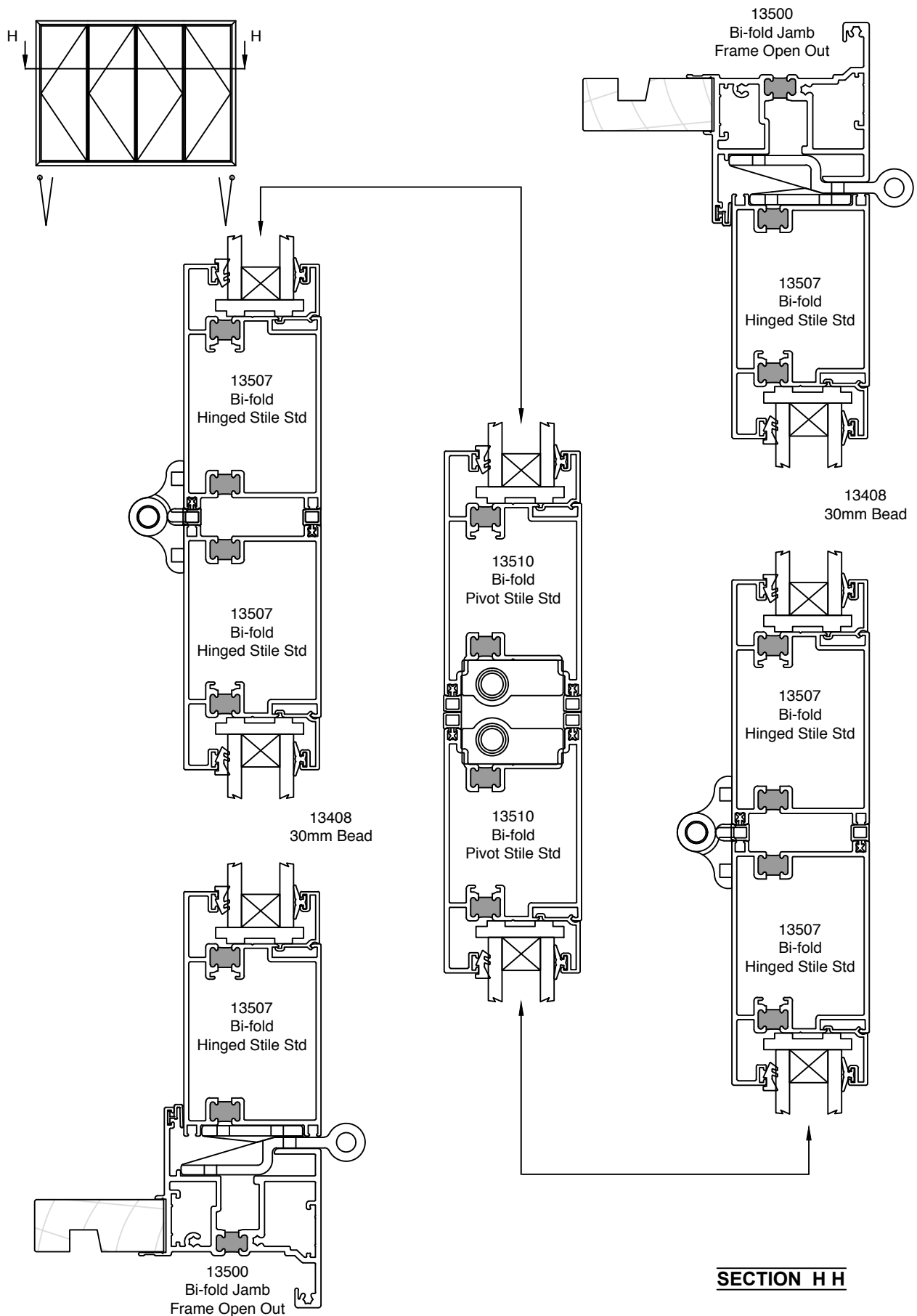
13501
Bi-fold Head
And Sill Open Out

Vertical Section Thru Frame, Panel and Overlight O/O – Coupled Overlight

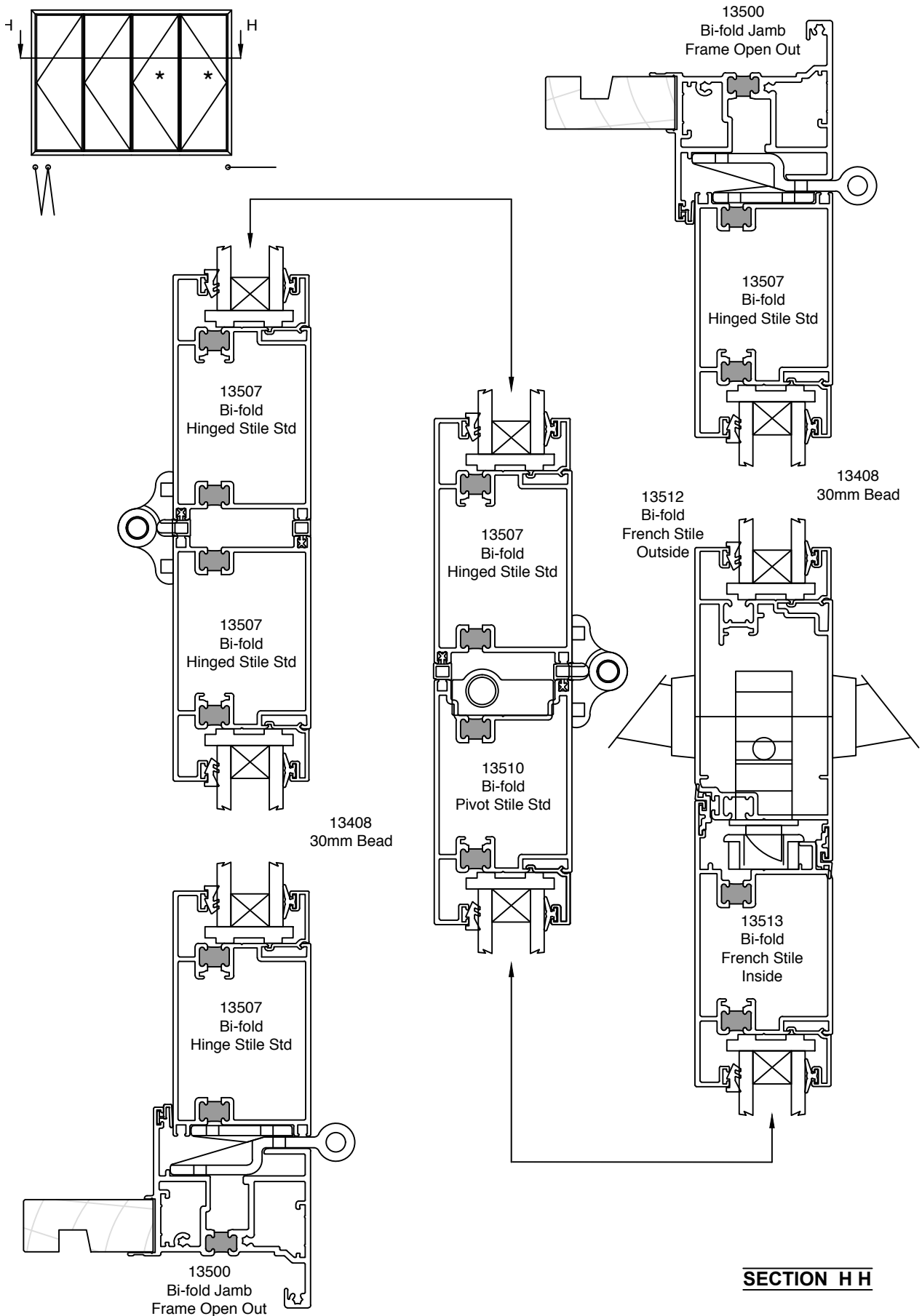


SECTION V V

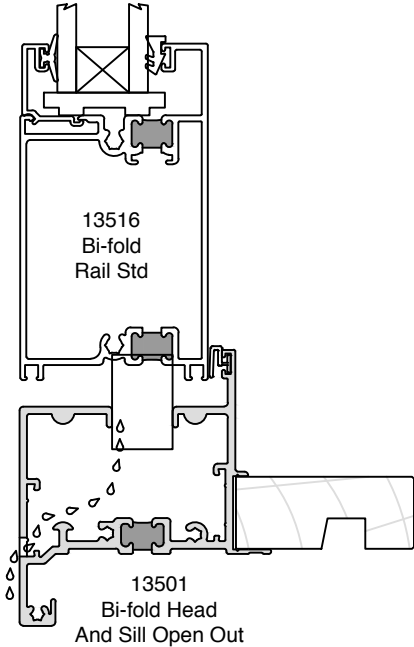
Horizontal Section Thru Frame and Panel O/O – 2 and 2 Panel



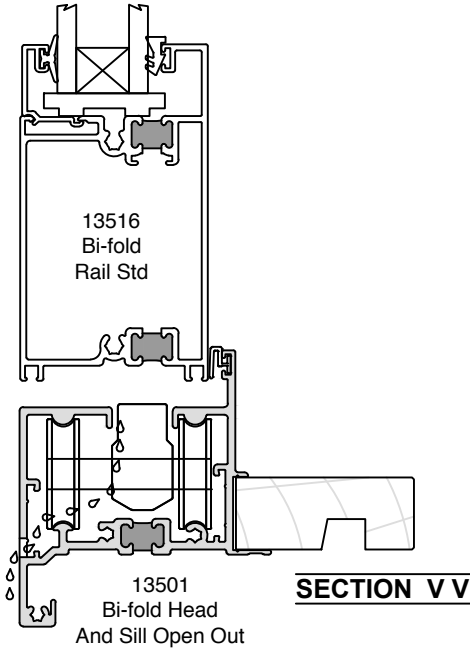
Horizontal Section Thru Frame and Panel O/O – 3 and 1 Panel



Drainage Detail



Drainage Detail - Top Hung Bi-fold



Drainage Detail - Bottom Rolling Bi-fold