

Brio®

Brio® where ideas unfold

Brio® 286 Dual Point Lock
For exterior, folding applications

Brio® where ideas unfold

Watch your adventurous architectural ideas unfold into exciting reality with the Brio range of sliding and folding door hardware.

Brio is passionate about shaping the spaces in which people live, work and play. With subsidiaries in the UK, and USA – Brio is recognised by architects worldwide as a leading design and manufacturing company.

Brio's R&D department brings a strong design element to the business, developing and testing ground breaking concepts that continue to be at the forefront of the industry.

So it's no surprise our name Brio translates to Energy, Spirit and Vitality – the core values that drive us to always discover new solutions for our customers.

We are committed to the continuous improvement of quality. That is why Brio, located in Sydney, is certified to Quality Management System AS/NZ ISO 9001:2008.

Brio, part of the Allegion family of brands





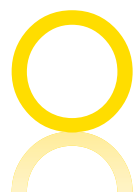
Brio's Locking Solution for folding doors

Large, folding doors which open your inside world to the outdoors are a luxury but security is a necessity which is why Brio has developed the 286 Dual Point Lock. Specifically designed to suit timber and aluminium folding panels to offer a single action handle as a stylish alternative to two flush bolts.

Our patented design fully integrates with Brio's Weatherfold 4s with no fuss fixing hinge points but can also be used with single hinged panels

(i.e. French doors). 180° operation of the low profile lever, delivers ultimate strength security of a 25mm throw into the head and sill simultaneously for panels up to 3.5m high.

The integrated face plate for locking options produces an elegant and minimalist aesthetic while the Euro cylinder provides high security and a convenient low profile key, specifically developed for use with folding panels.





Performance

With a handle height of 900-1100mm and capacity to lock panels 3.5m high and 35-70mm thick (aluminium) the Brio 286 Dual Point Lock is the true solution to securing folding panels.

Capable of inward opening applications as well as standard outward opening orientation. Cycle tested in excess of 100,000 operations gives Brio the confidence to offer their usual 10 year warranty.

	Timber	Aluminium
Panel Thickness	38-70mm	35-70mm
Stile Thickness	70mm	60mm
Backset	35 or 45mm	Unrestricted
Throw Length	25mm	25mm
Euro Cylinder	3 pin 20/10 5 pin 30/10	5 pin 30/10

Materials

Brio's new 286 Dual Point Lock is produced with quality in mind therefore its throw tips are made from stainless steel and the handle furniture is available in cast alloy or full stainless steel to provide corrosion-resistant performance.

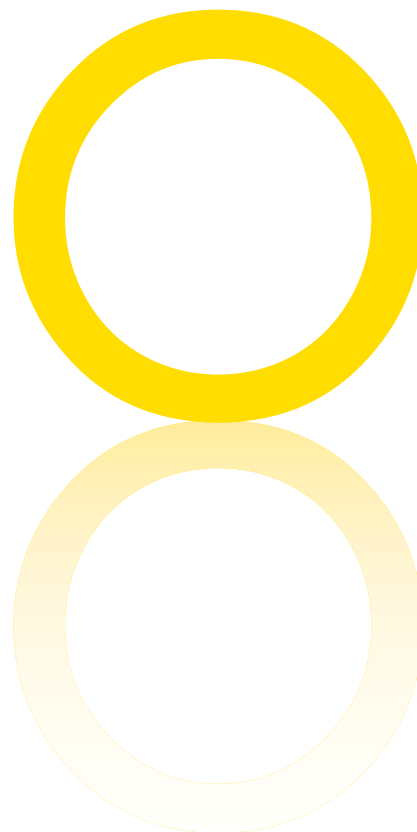
Finishes

The discreet 286 Dual Point Lock is supplied in various colours and finishes for matching flexibility. The cast alloy handle is available in satin nickel and black paint while the stainless steel handle offers the choice of satin stainless or polished stainless.

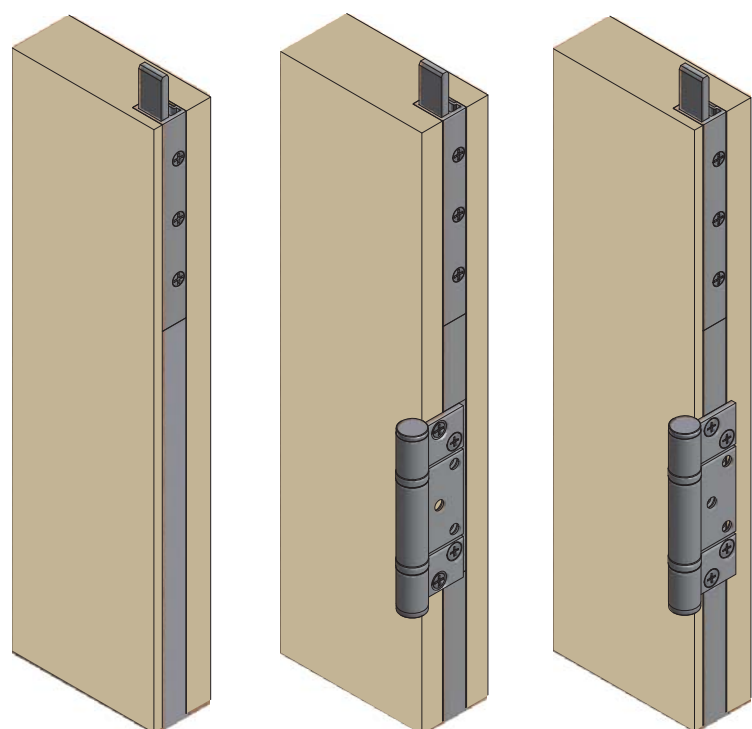
Security

Operation of the 286 Dual Point Lock is simple and secure with a 25mm throw for either timber or aluminium panels. Timber panels are locked off with a cleat made from 15x5mm stainless steel bar while aluminium panels are secured by a Ø12mm stainless steel "D" tip or the versatile, plastic capped 512 flush bolt equivalent.

The intelligent design is discreetly hidden inside the aluminium stile or in the edge of a timber panel with minimal machining and quick fixing points thanks to the patented hinge blocks. A variety of keepers allow for neat dressing and accurate alignment of the throw and panel which improves the performance of perimeter weather seals.



Dual Point Lock for Timber Panels

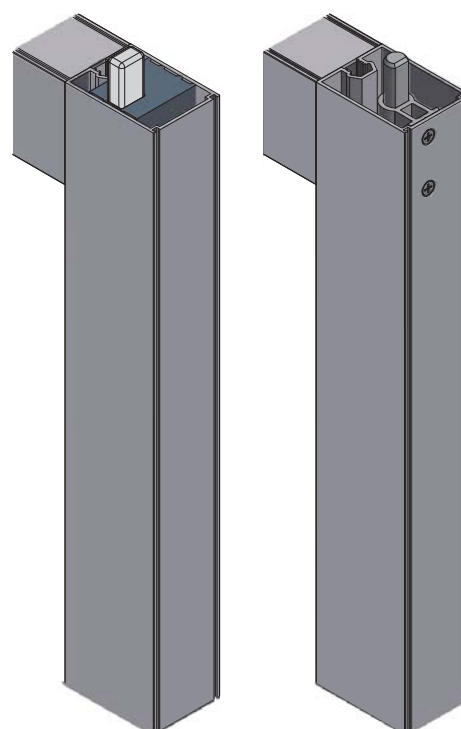


End Panel
(X)

Intermediate Panel
44.5-70mm (H)

Intermediate Panel
38-44mm (N)

Dual Point Lock for Aluminium Panels

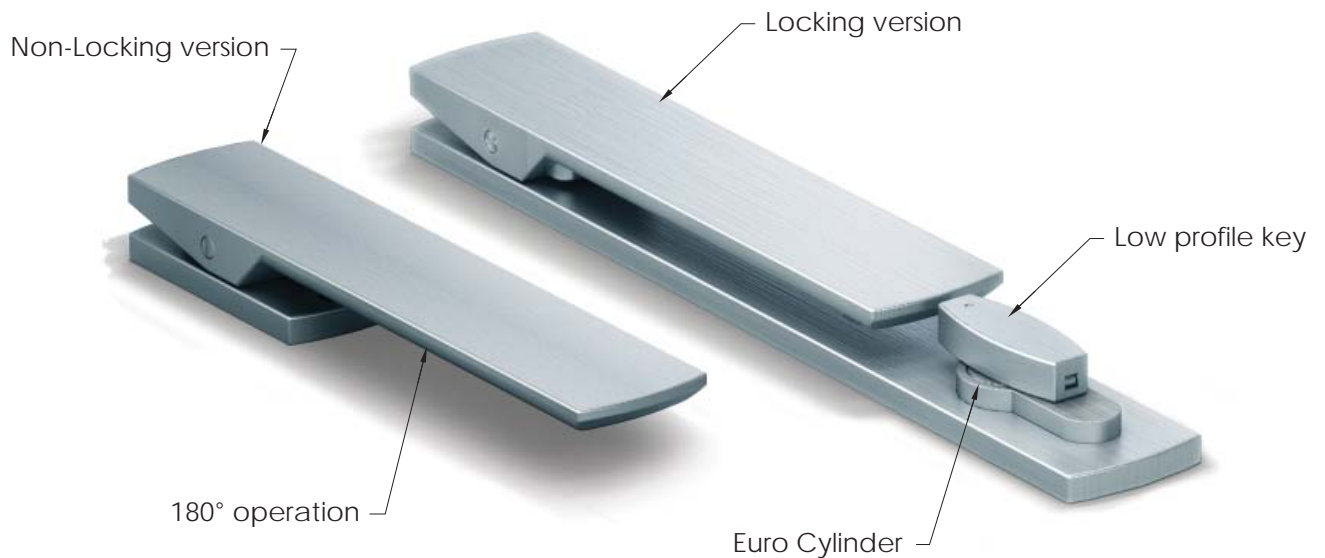


Plastic Tip
(P)

Ø12mm SS D Tip
(D)

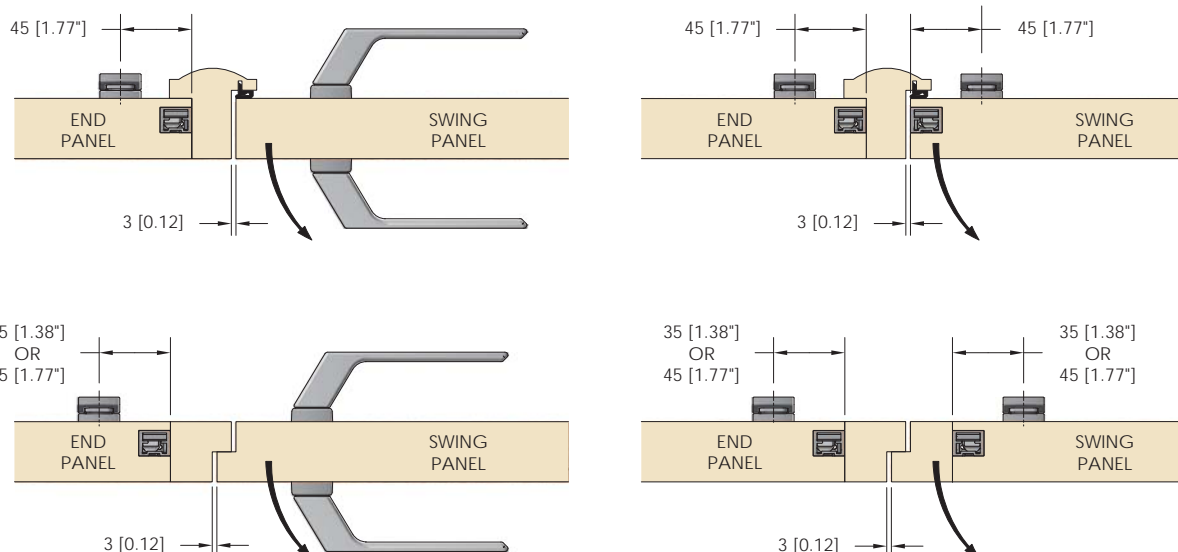
Door Furniture

The 286 Dual Point Lock provides numerous options for selecting the right handle from our family of door furniture. The choice can be made from cast stainless or cast alloy. The dual point lock is available in non-locking or locking with a discreet back plate which hides fixing screws when handle is down. Locking handle is supplied with a high quality Euro Cylinder and specifically designed low profile key.



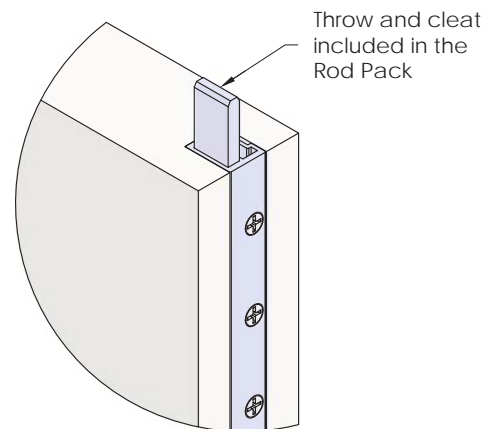
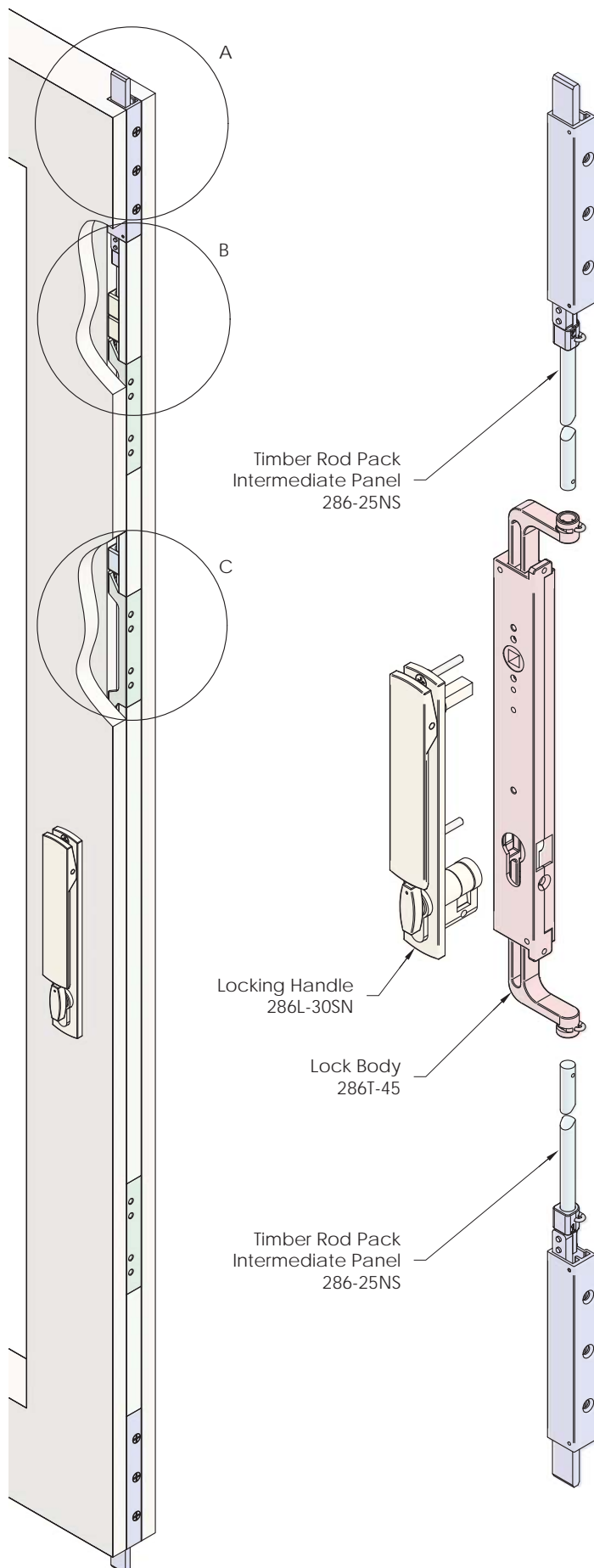
Meeting Rebate Panels

Brio's 286 Dual Point Lock can function on a folding, end panel or an access swing door with the addition of suitable plant-ons:

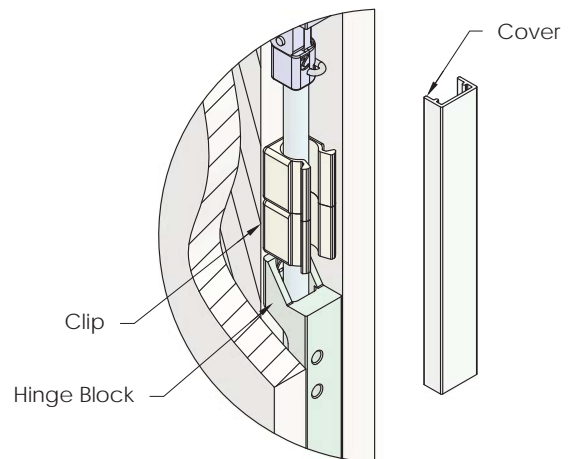


Dual Point Lock for Timber Panels

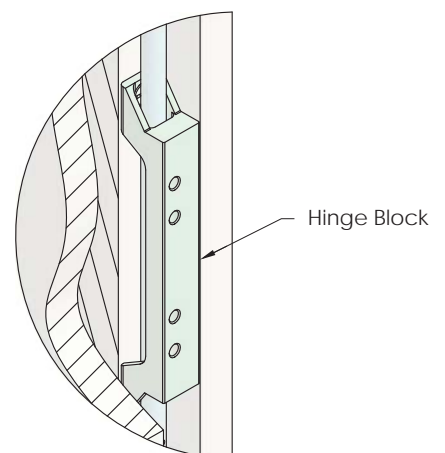
Hardware Layout



A. 25mm throw of 5x15mm SS bar is checked into the corner the door neat and securely



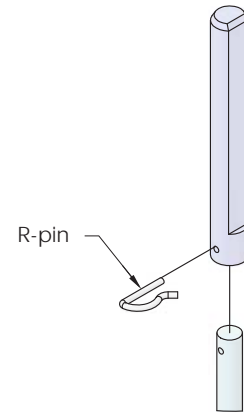
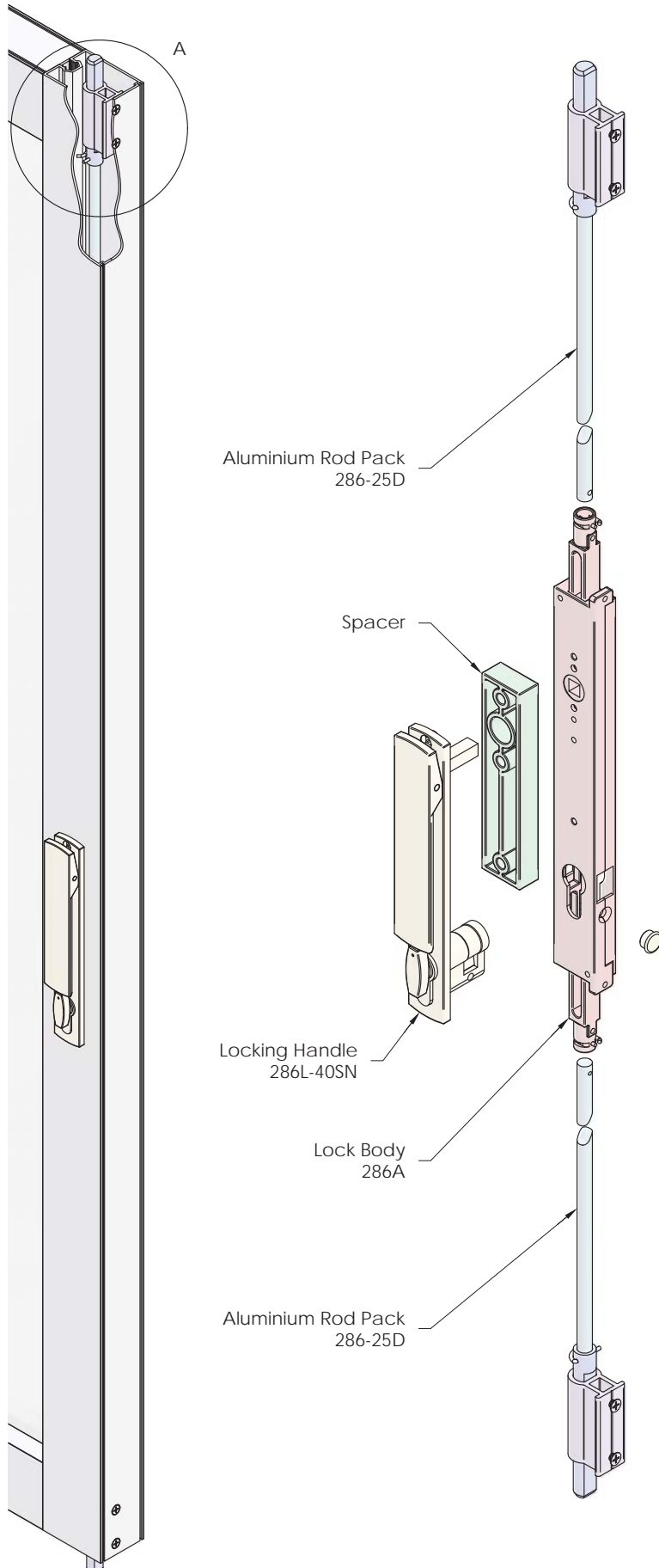
B. Aluminium cover strip dresses the edge of the door with the aid of clips in between hinge blocks



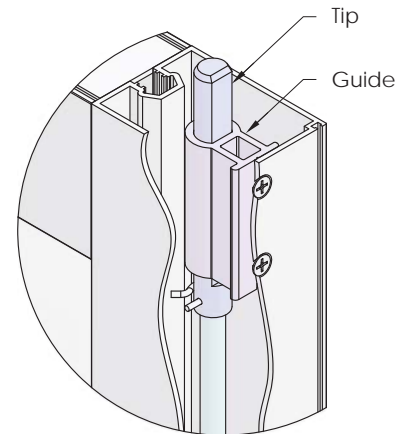
C. Hinge Blocks allow the rods to operate within the edge of the door without being impeded by the hinge fixings

Dual Point Lock for Aluminium Panels

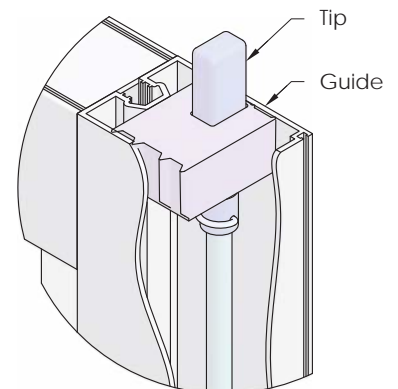
Hardware Layout



Rods are attached to throws in aluminium and timber versions with R-pins simple but secure fixing



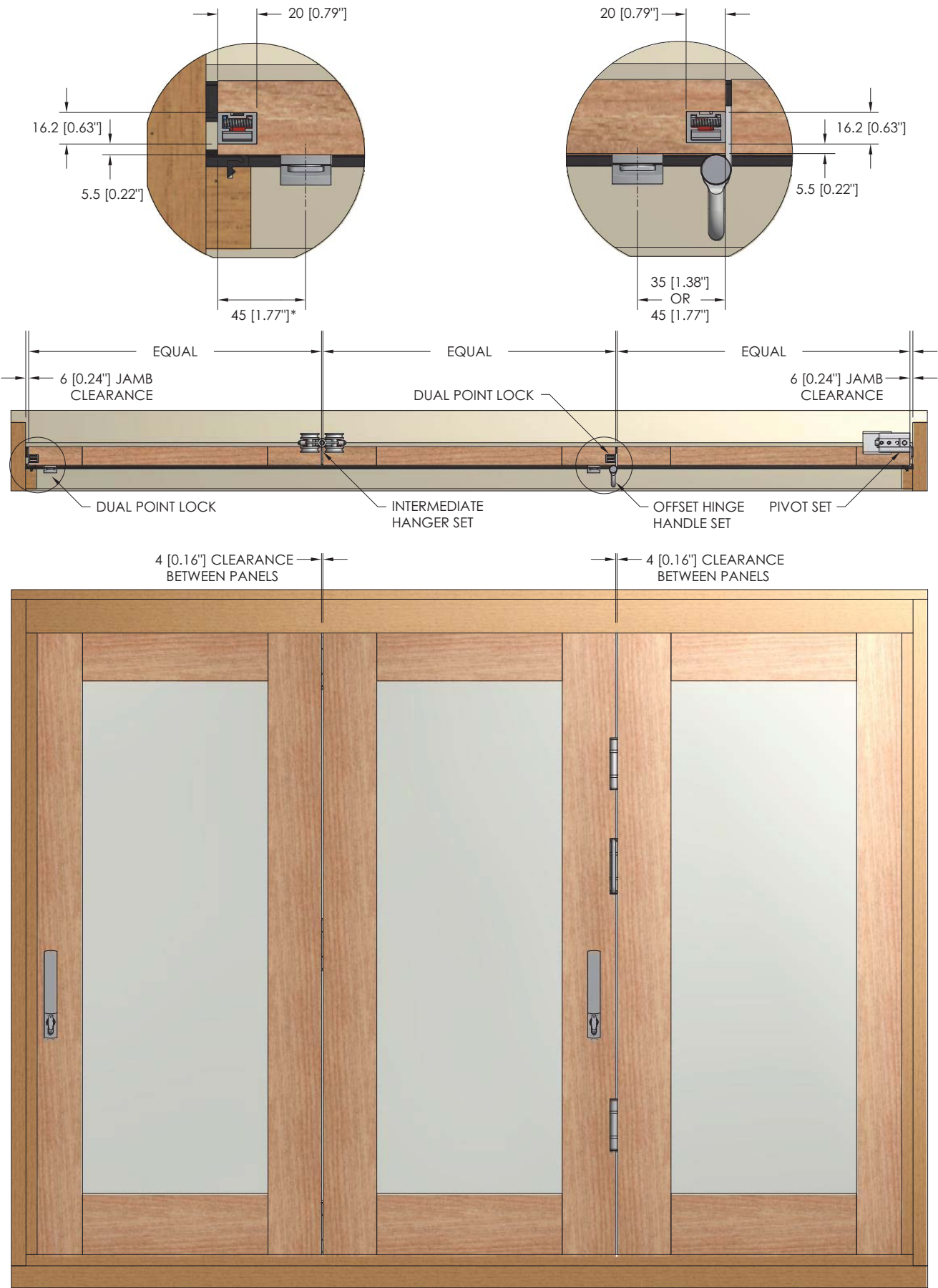
A. Ø12mm stainless steel "D" tip and guide is fixed to the edge of the door, keeper dress plate also supplied



Alternative to Ø12mm stainless steel "D" tip is the plastic tip and guide - 512 flush bolt equivalent

286 with Weatherfold 4s 100

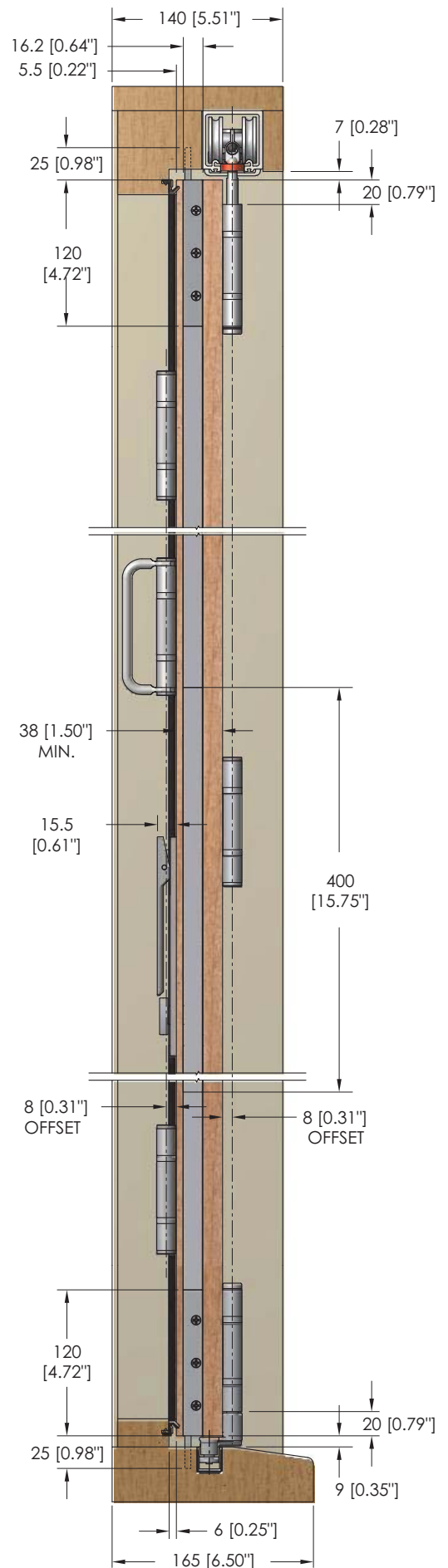
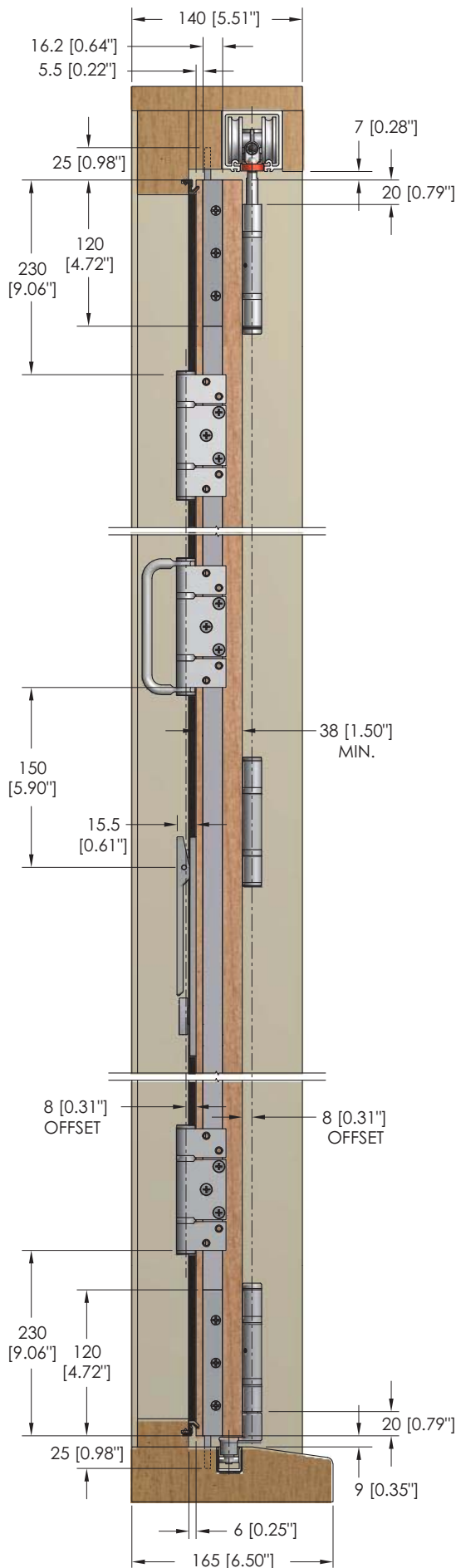
Top and Front Views - Non Mortice Hinges



*NOTE 45MM BACKSET REQUIRED FOR CLOSING ON JAMB

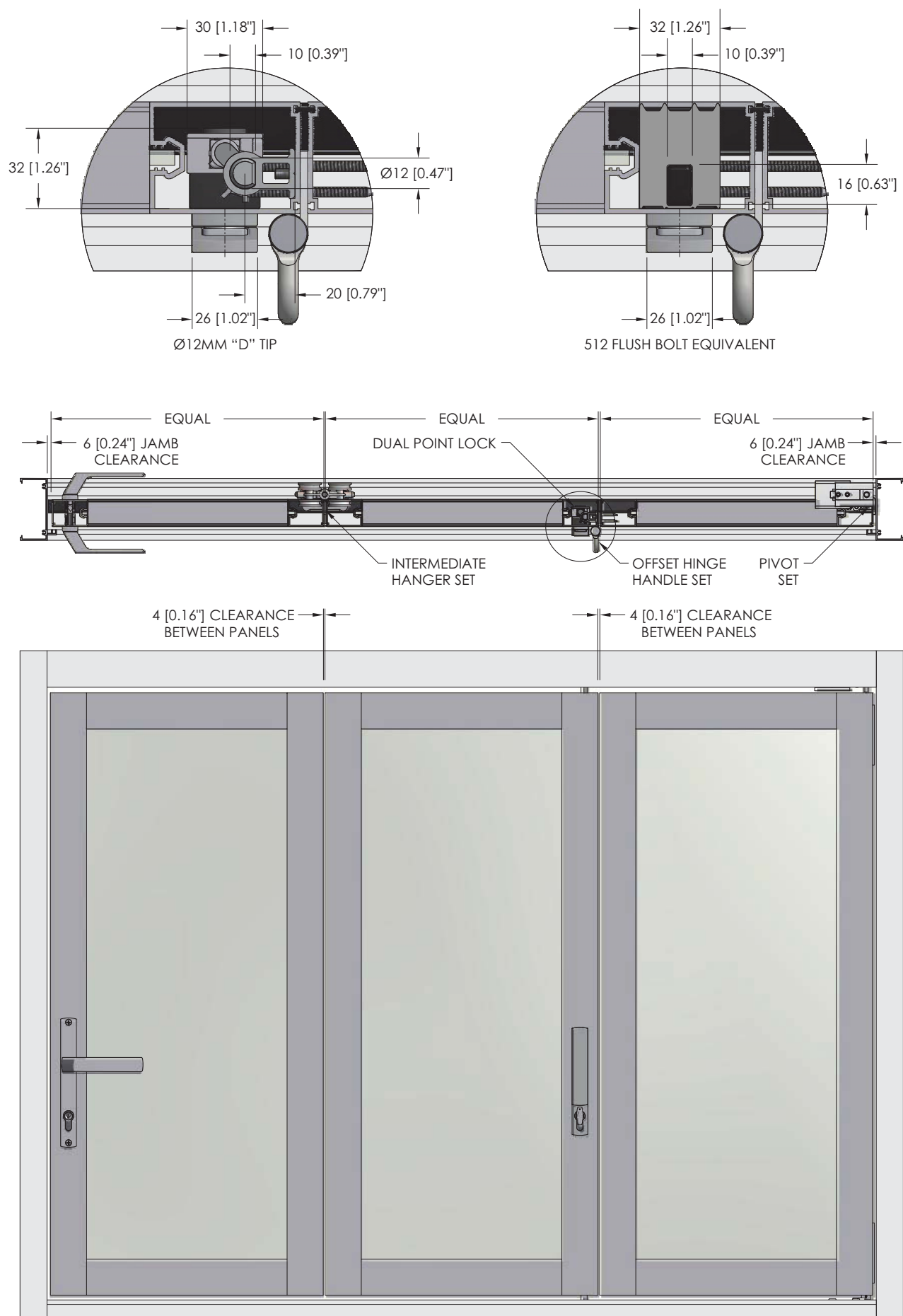
286 with Weatherfold 4s 100

End Views - Non Mortise Hinges



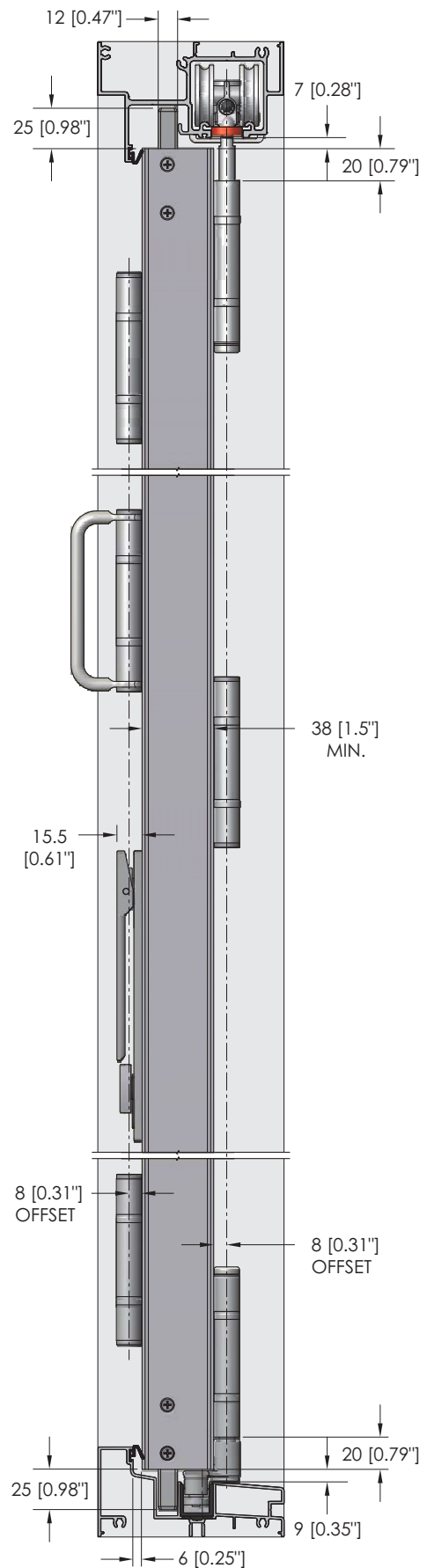
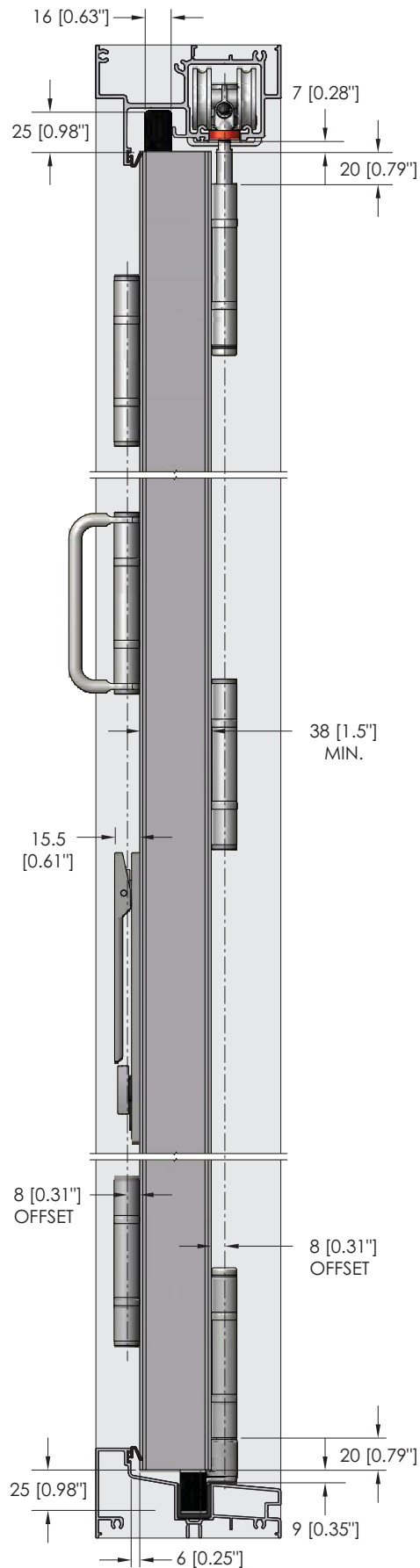
286 with Weatherfold 4s 100

Top and Front Views - Non Mortice Hinges Aluminium



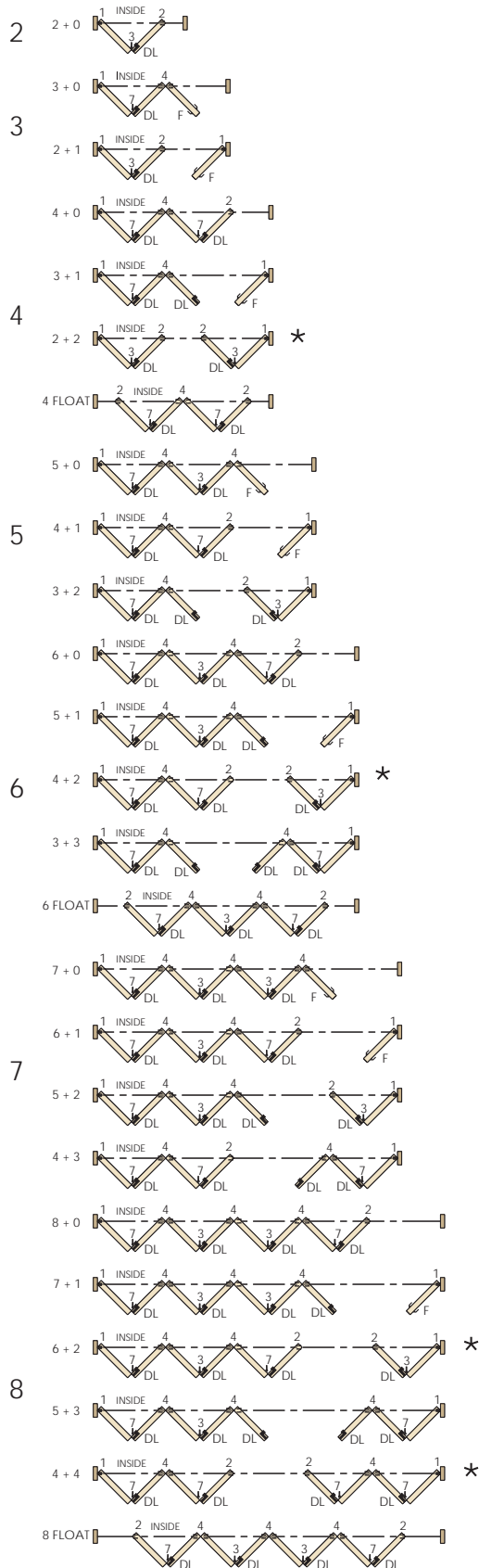
286 with Weatherfold 4s 100

End Views - Non Mortise Hinges Aluminium

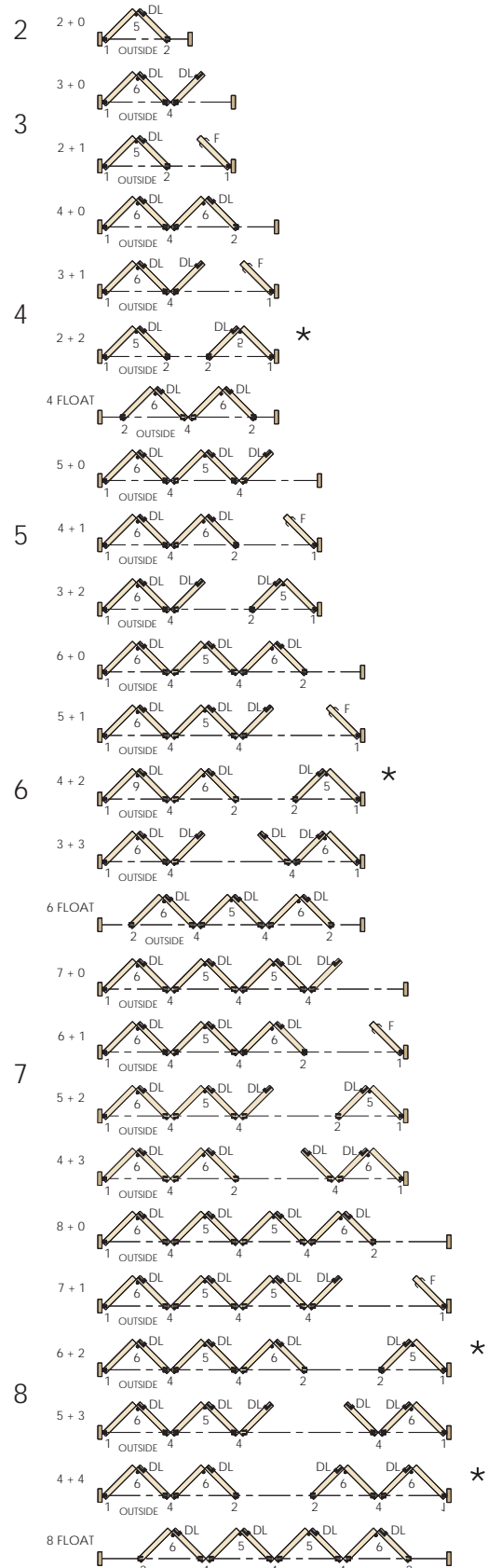


Panel Configuration and Hardware Location

Outward Opening Panels













Inward Opening Panels

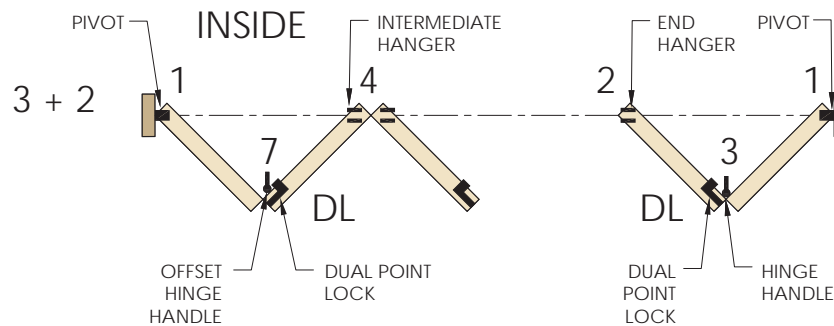


★ Two Set 2 is mounted left and right are replaced with a single Set 8 if panels are rebated.

Panel Configuration Continued

HARDWARE LEGEND		
SYMBOL	REF.	DESCRIPTION
	1	Adjustable pivot set
	2	End hanger set with guide
	3	Hinge set with hinge handle
	4	Intermediate hanger set with guide
	5	Hinge set
	6	Offset hinge set
	7	Offset hinge set with hinge handle
	8	Meeting door set
	DL	Dual Point lock
	F	Lever Furniture handle set

The reference number is an abbreviation of the full set number



Specifications

Lock Body	35mm Backset		45mm Backset	
Timber Panel	286T-35		286T-45	
Aluminium Panel	286A			
Non-Locking Handle (Timber & Aluminium)	Satin Stainless	Polished Stainless	Satin Nickel	Black
Stainless Steel	286NSS	286NPS	-	-
Cast Alloy	-	-	286NSN	286NPBK
Locking Handle for Timber Panels	Satin Stainless	Polished Stainless	Satin Nickel	Black
Stainless Steel 38-44mm Panel	286L-30SS	286L-30PS	-	-
Stainless Steel 44.5mm and above Panel	286L-40SS	286L-40PS	-	-
Cast Alloy 38-44mm Panel	-	-	286L-30SN	286L-30PBK
Cast Alloy 44.5mm and above Panel	-	-	286L-40SN	286L-40PBK
Locking Handle for Aluminium Panels	Satin Stainless	Polished Stainless	Satin Nickel	Black
Stainless Steel 35mm and above Panel	286L-40SS	286L-40PS	-	-
Cast Alloy 35mm and above Panel	-	-	286L-40SN	286L-40PBK
Rod Pack Timber	1.3-2.5m Panel Height		2.5-3.5m Panel Height	
Intermediate 38-44mm Panel	286-25NS		286-35NS	
Intermediate 44.5mm and above Panel	286-25HS		286-35HS	
End Panel	286-25XS		286-35XS	
Rod Pack Aluminium	1.3-2.5m Panel Height		2.5-3.5m Panel Height	
Ø12mm Stainless Steel D Tip	286-25D		286-35D	
Plastic Tip (512 equivalent Tip)	286-25P		286-35D	

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About Allegion

Allegion (NYSE: ALLE) is a global pioneer in the field of safety and security. We keep people and their property safe, wherever they are, bringing together simple solutions and advanced technology. Allegion is a \$2 billion company, with products sold in almost 130 countries. For more, visit www.brio.com.au

