

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 for 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.

Our 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.

The clean, elegant lines of the integrated escutcheon are reflected in Brio's new 288 matching lever furniture which functions with an 85mm centre lock.

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. Both the 286 and 288 products have been cycle tested in excess of 100,000 operations which gives Brio the confidence to offer their usual 10 year warranty.

	Timber	Aluminium
Panel Thickness	38-70mm	35-70mm
Stile Width	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 286 dual point lock and matching 288 lever furniture are produced with quality in mind. Throw tips are made from stainless steel and handle furniture is available in cast alloy or full stainless steel to provide corrosion-resistant performance. Brio recommends the use of stainless steel hardware for applications in or near coastal areas.

Finishes

The discreet 286 and 288 hardware is supplied in various finishes for matching flexibility. The cast alloy versions are available in satin nickel and black paint while the stainless steel versions offer the choice of satin stainless or polished stainless.

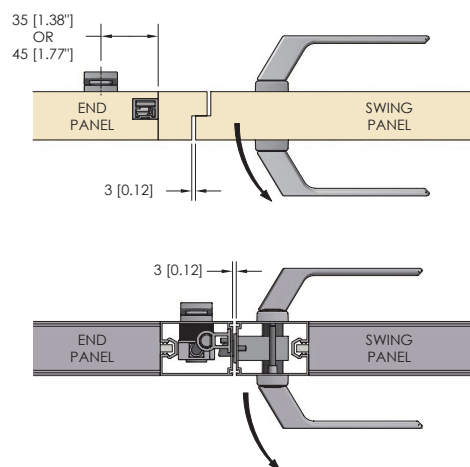
Security

Operation of the 286 dual point lock is simple and secure with a 25mm throw for either timber or aluminium panels. Aluminium panels are secured by a Ø12mm stainless steel "D" tip or the versatile, plastic capped 512 flush bolt equivalent. Timber panels are locked off with a cleat made from 15x5mm stainless steel bar which achieved ultimate tensile strength testing of 2000pa before rupture.

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.

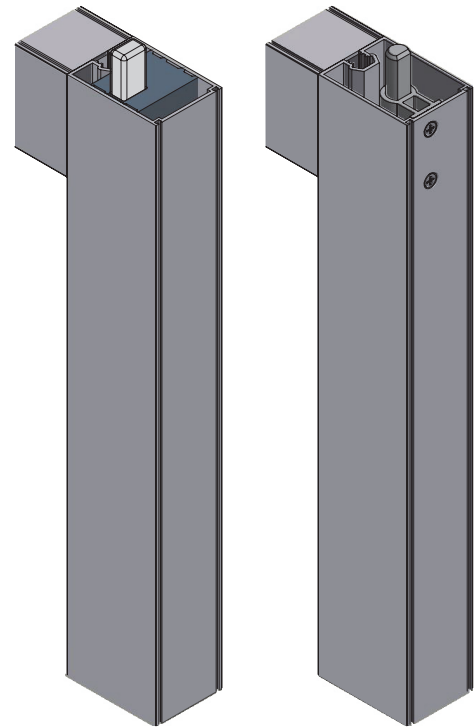
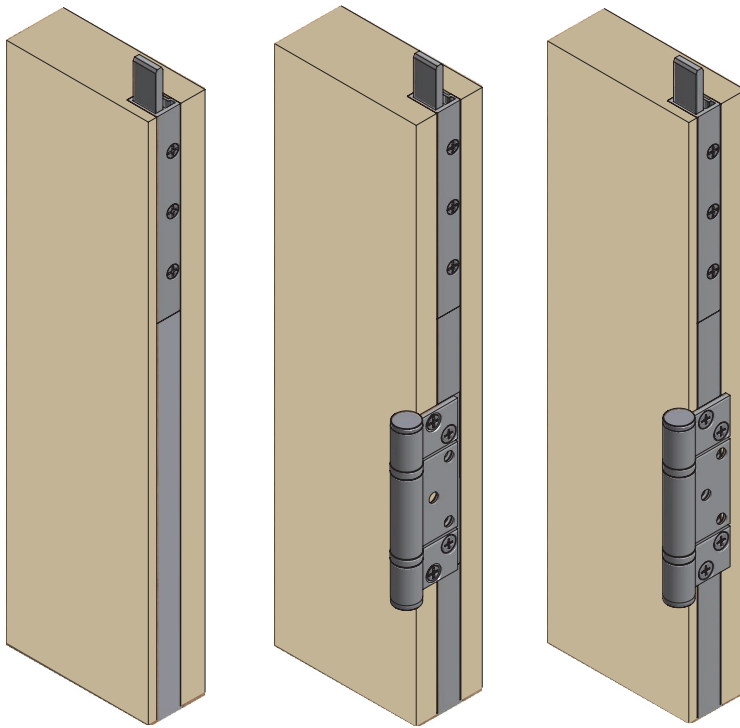
Meeting Rebate Panels

Brio's 286 Dual Point Lock and matching 288 lever furniture easily work with folding, end panels and access swing doors on aluminium panels or with the addition of suitable plant-ons for timber panels:



Dual Point Lock for Timber Panels

Dual Point Lock for Aluminium Panels



End Panel
(X)

Intermediate Panel
44.5-70mm (H)

Intermediate Panel
38-44mm (N)

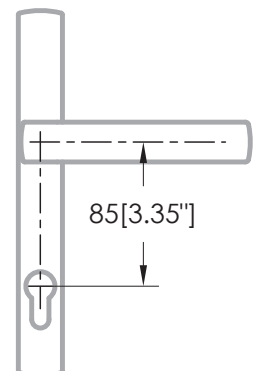
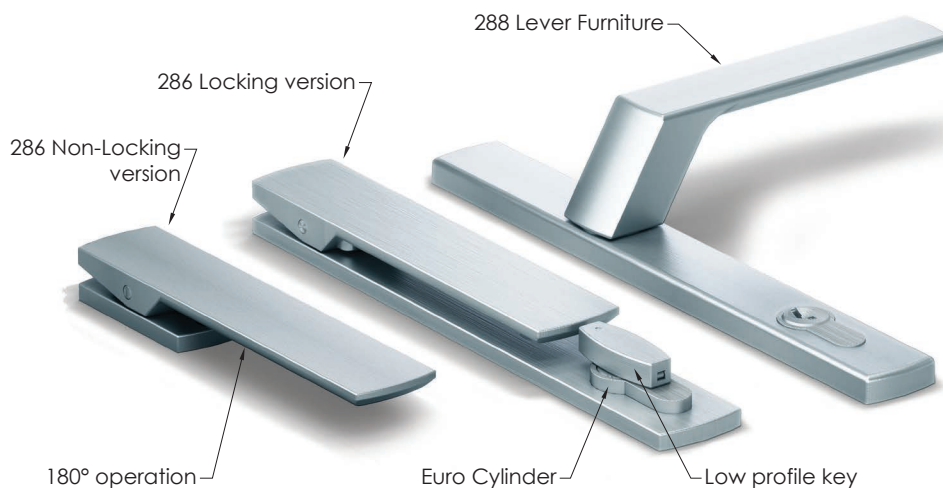
Plastic Tip
(P)

Ø12mm SS D Tip
(D)

Door Furniture

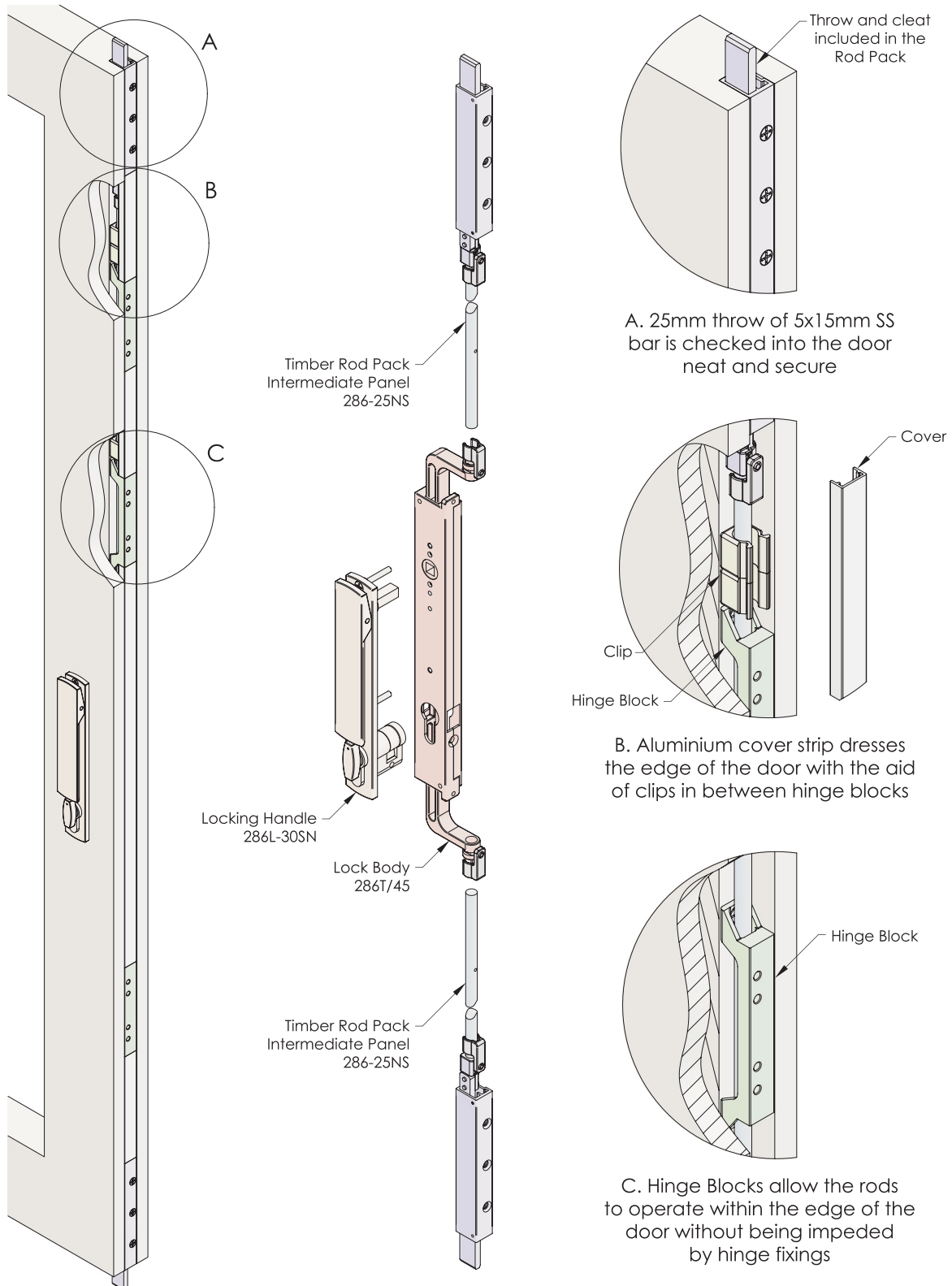
Brio's family of door furniture provides numerous options for selecting the right handle for your application. The choice can be made from cast stainless or cast alloy with various finishes.

Brio's 286 dual point lock is available in non-locking or locking with a discreet back plate which hides fixing screws when the handle is down and the panel is in its closed and locked position. The locking version is supplied with a high quality Euro Cylinder and specifically designed low profile key. The 288 matching lever furniture operates with an 85mm centre lock.

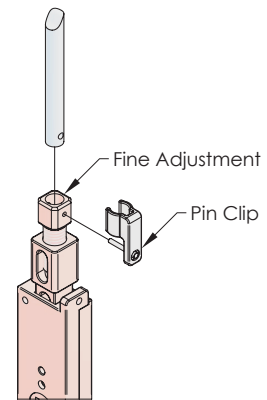
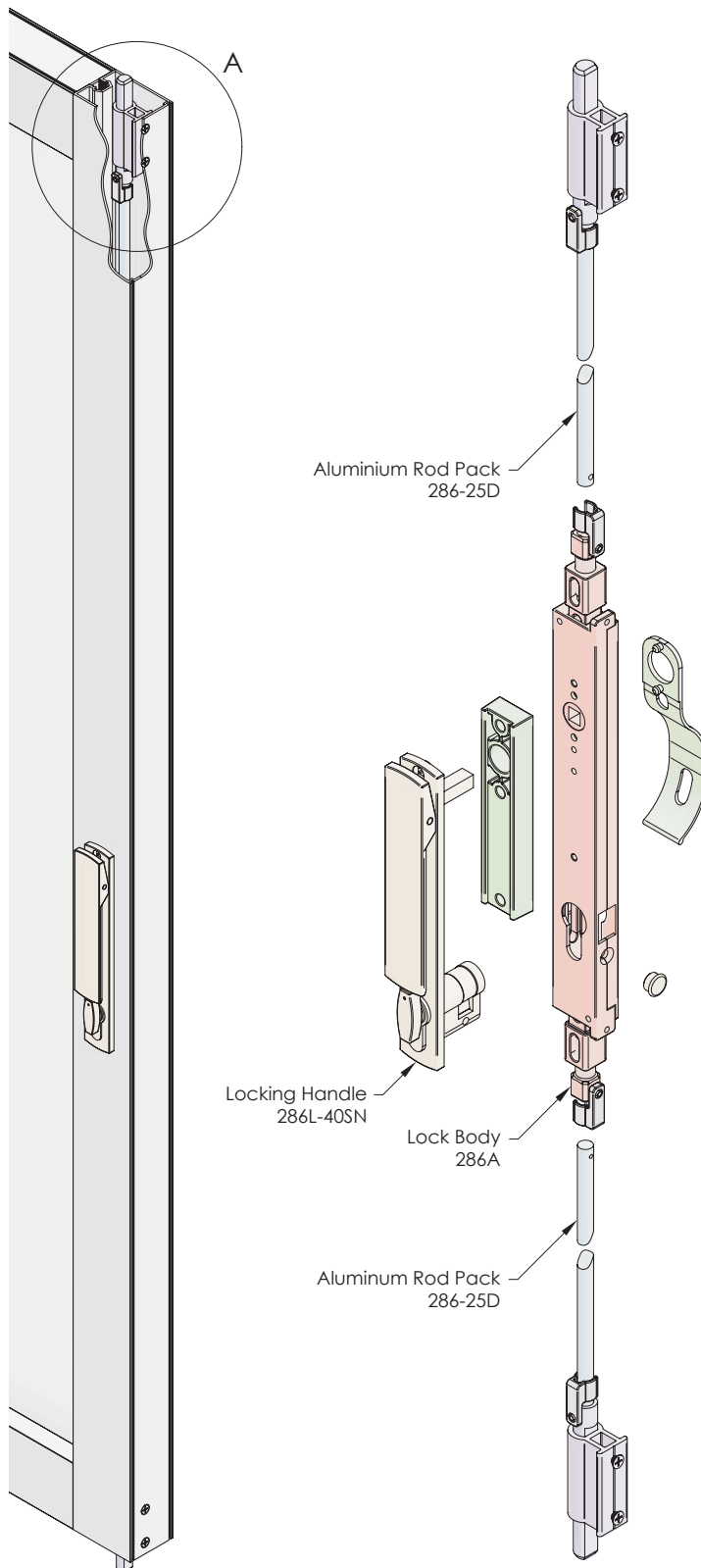


DUAL POINT LOCK FOR TIMBER PANELS

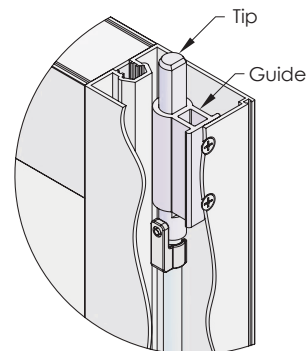
HARDWARE LAYOUT



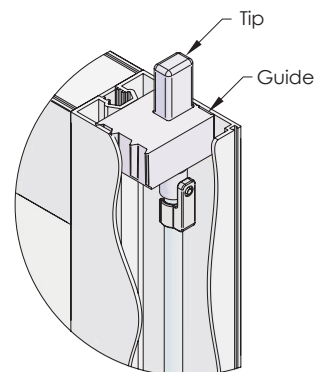
DUAL POINT LOCK FOR ALUMINIUM PANELS HARDWARE LAYOUT



Rods are assembled to tips and lock with push fit pin clips. The lock body has threaded adapters for fine adjustment



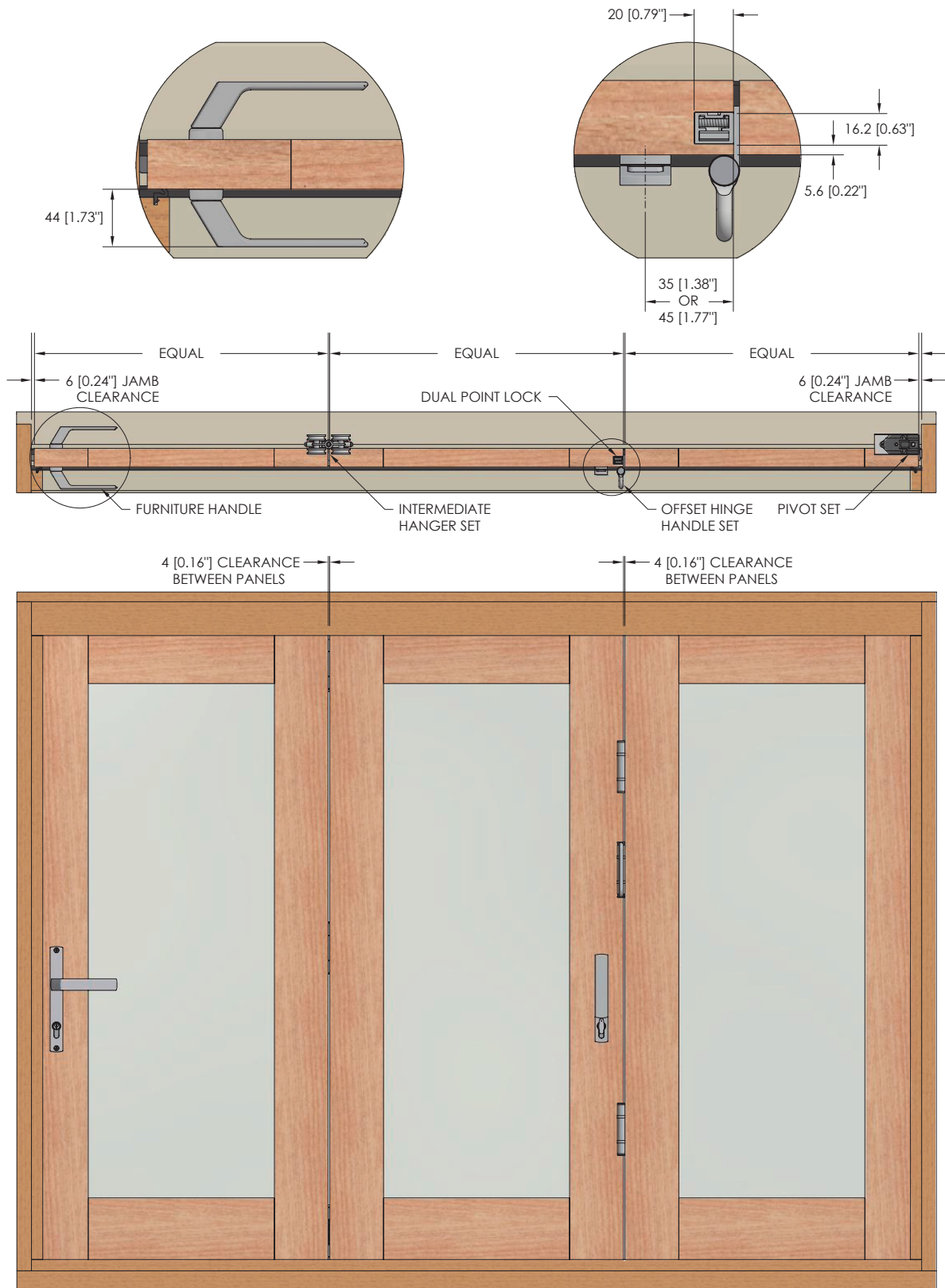
A. Ø12mm stainless steel "D" tip and guide is fixed to the edge of the door, keeper dress plate also supplied



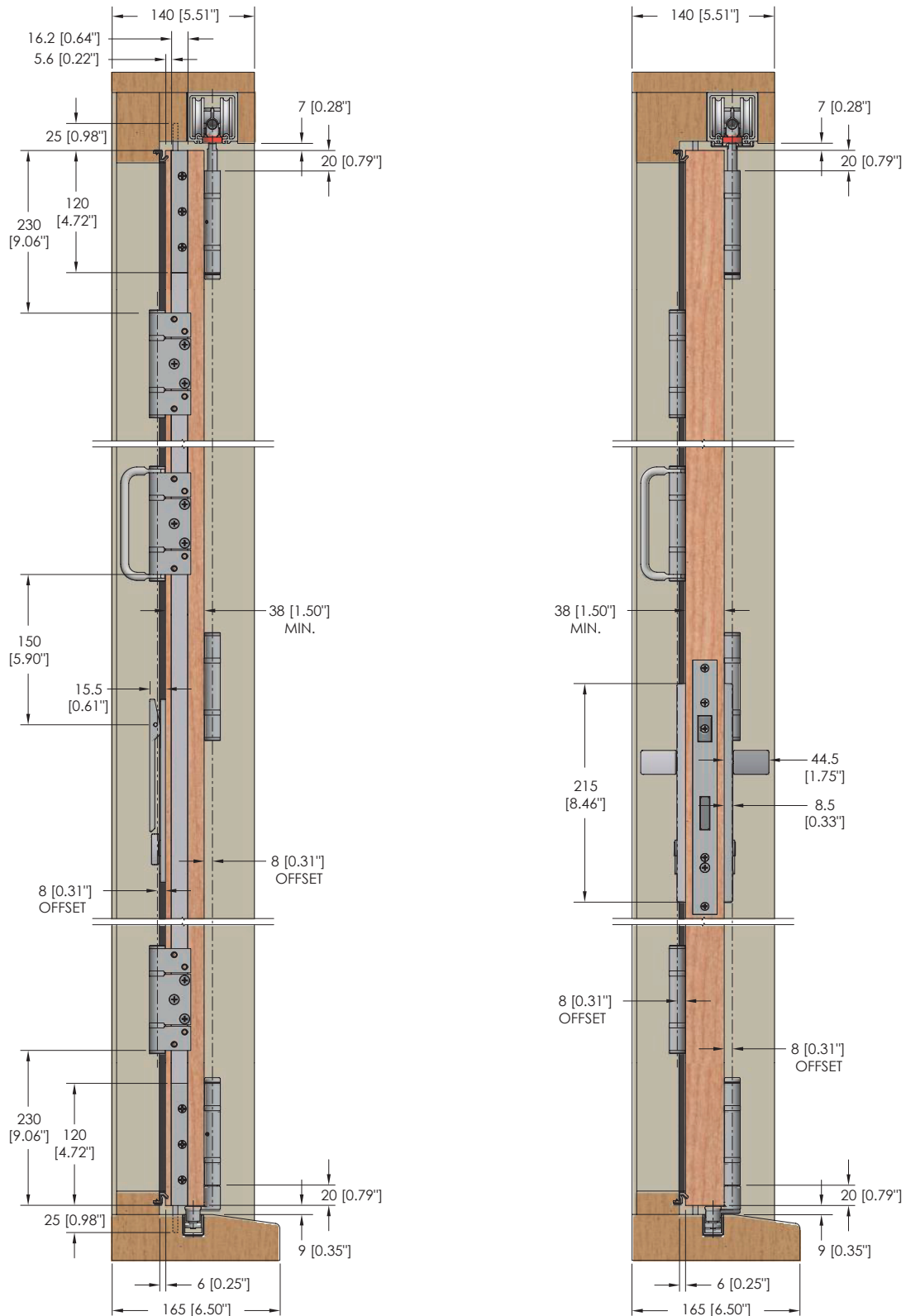
Alternative to Ø12mm stainless steel "D" tip is plastic tip and guide - 512 flush bolt equivalent

286 AND 288 WITH WEATHERFOLD 4S 100

TOP AND FRONT VIEWS - NON MORTICE HINGES

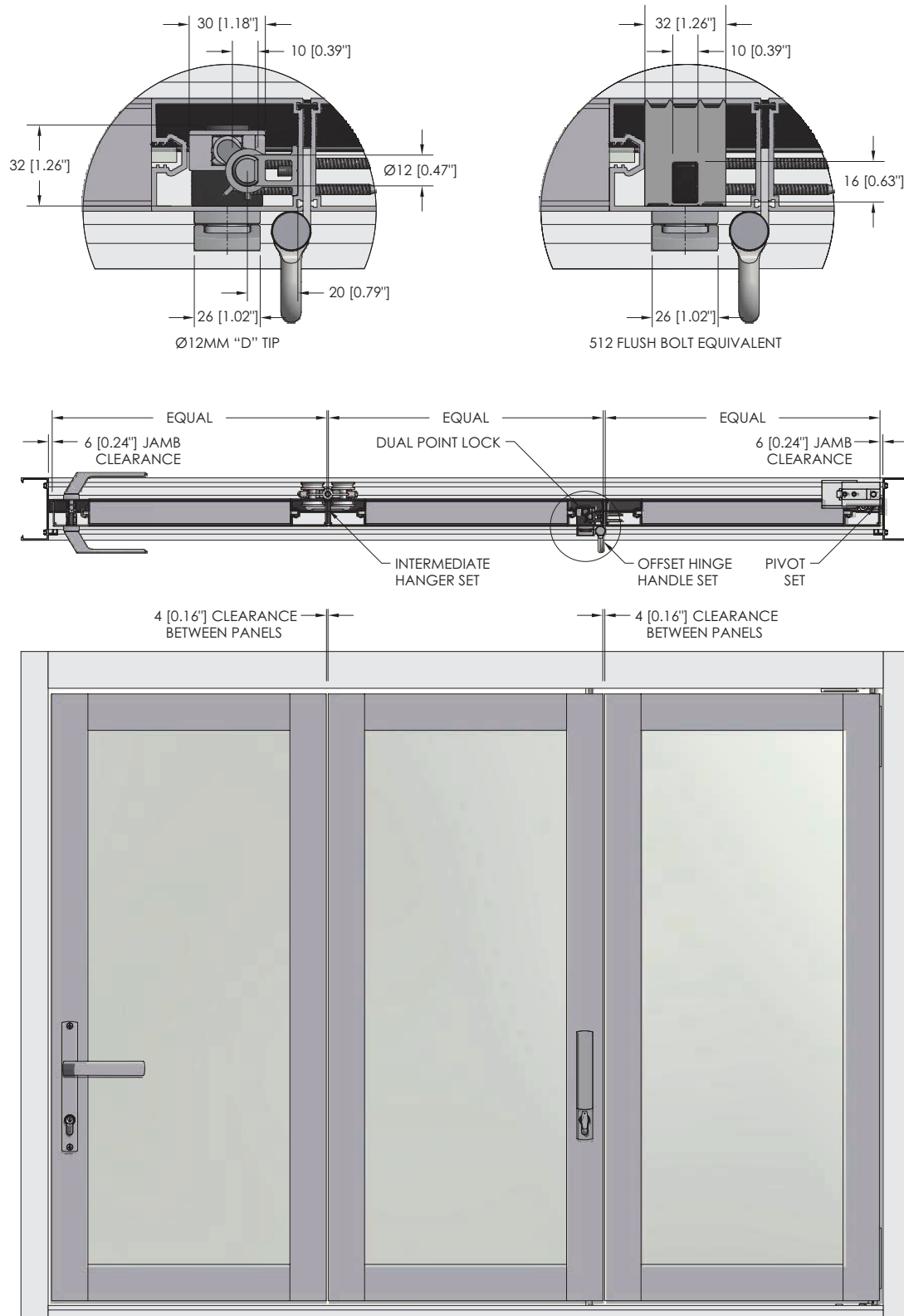


286 AND 288 WITH WEATHERFOLD 4S 100
END VIEWS - NON MORTICE HINGES



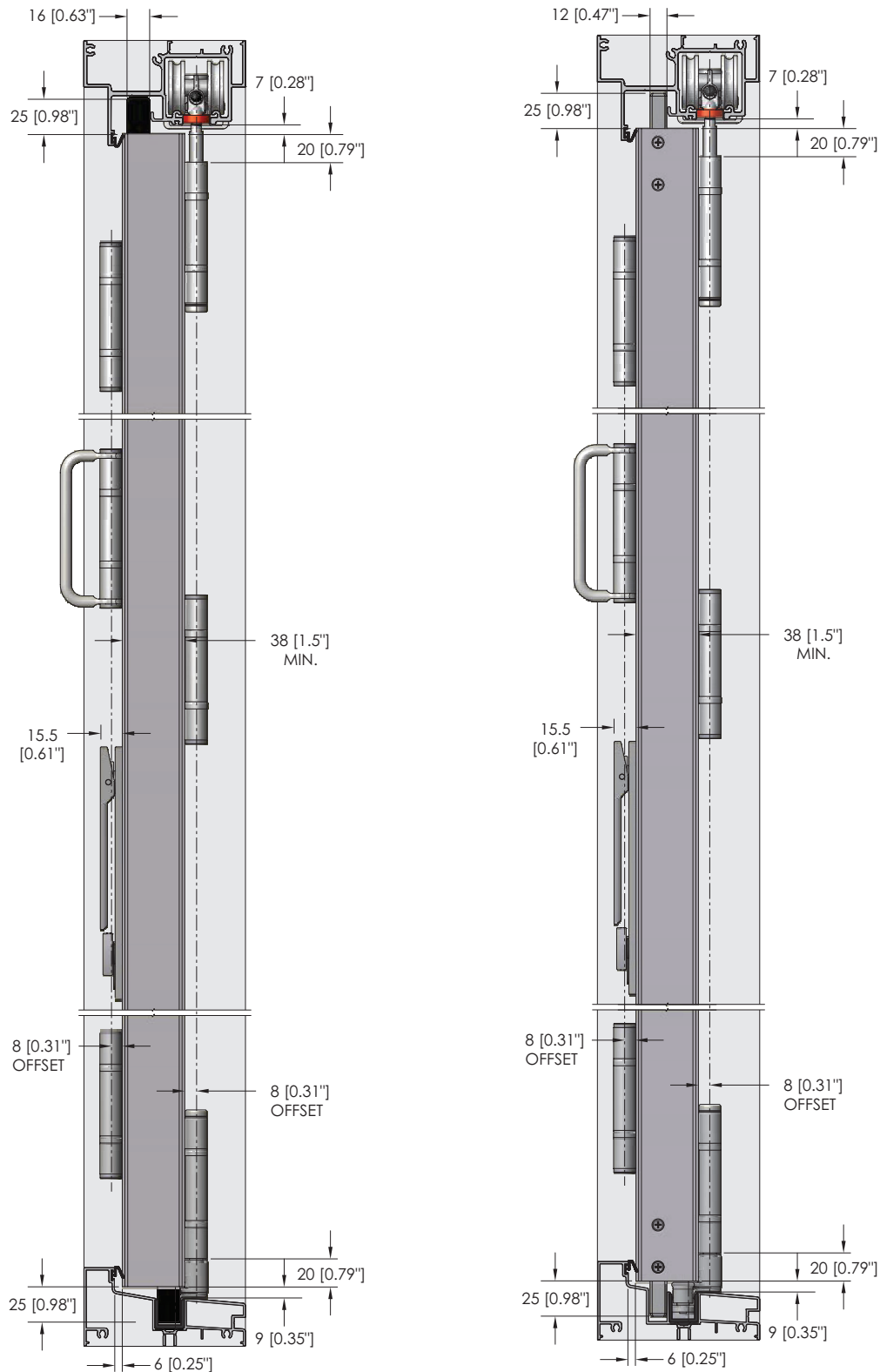
286 AND 288 WITH WEATHERFOLD 4S 100

TOP AND FRONT VIEWS - NON MORTICE HINGES ALUMINIUM

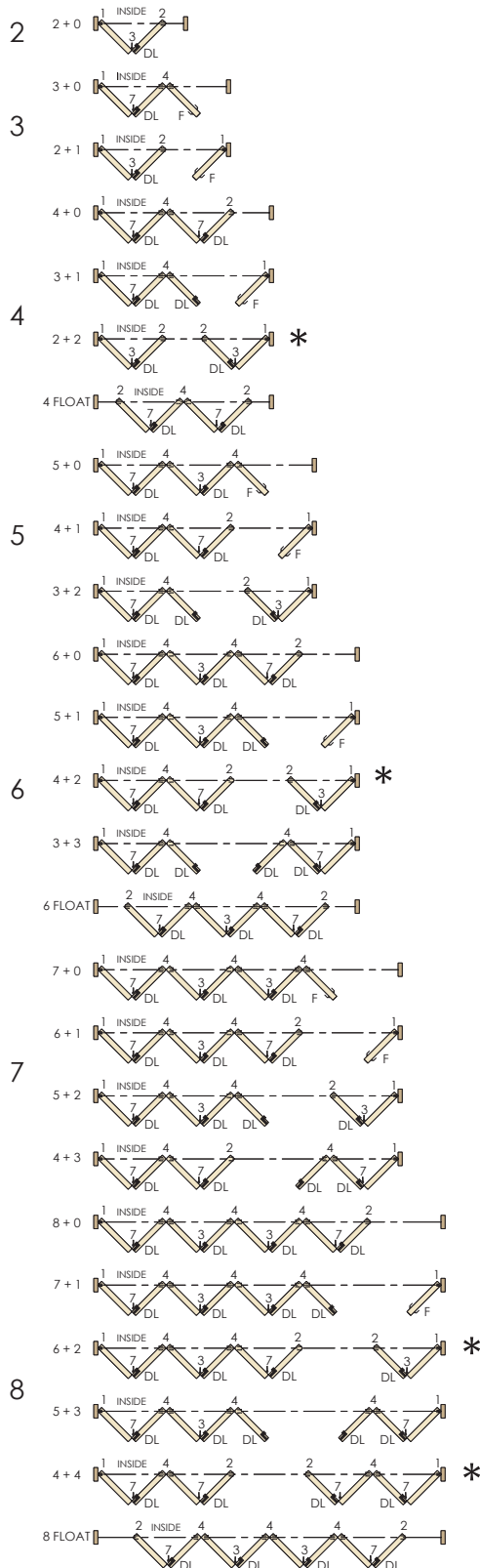


286 AND 288 WITH WEATHERFOLD 4S 100

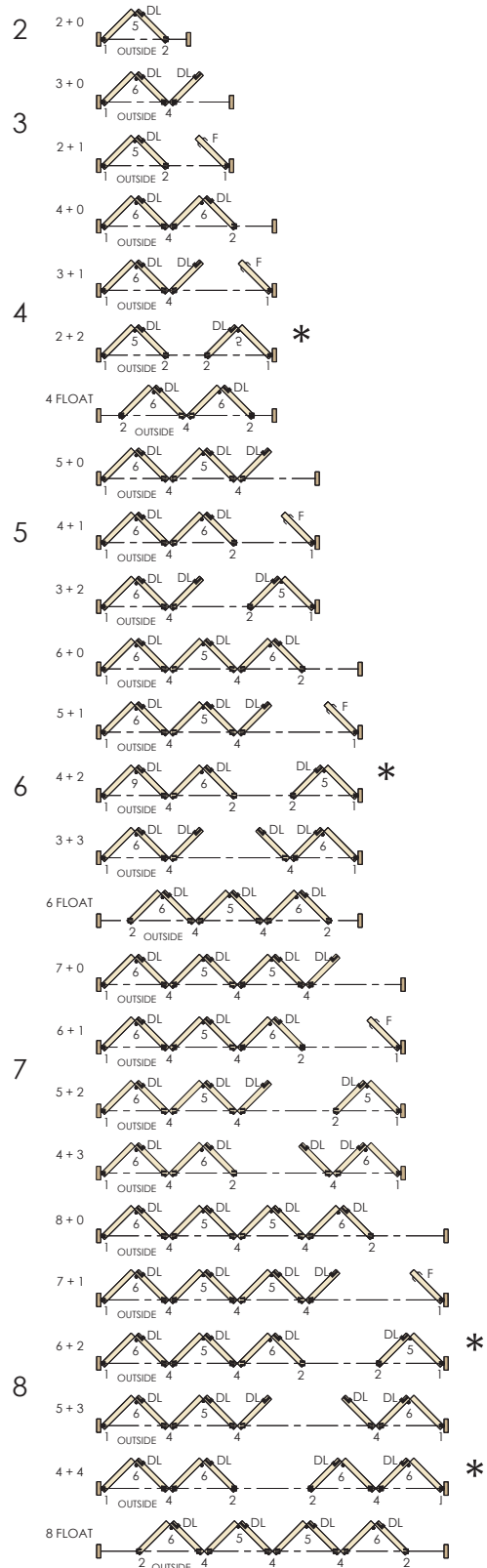
END VIEWS - NON MORTICE HINGES ALUMINIUM













Outward Opening Panels



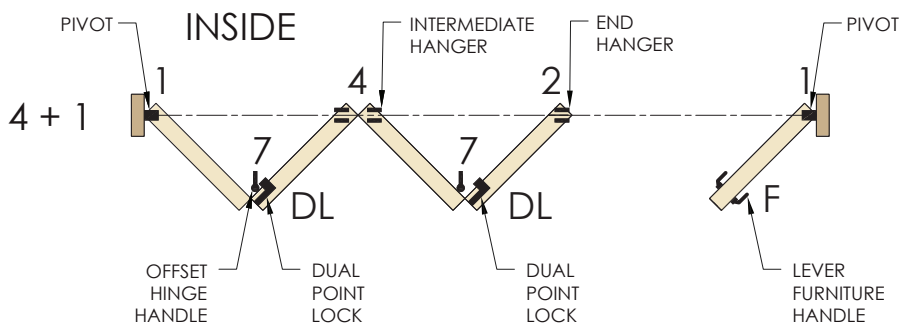
Inward Opening Panels



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

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	286 Dual Point lock
	F	288 Lever Furniture handle set

The reference number is an abbreviation of the full set number



SPECIFICATIONS

288 Matching Lever Furniture	Satin Stainless	Polished Stainless	Satin Nickel	Black
Stainless Steel	288-85SS	288-85PS	–	–
Cast Alloy	–	–	288-85SN	288-85PBK
286 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		286-35P	