E3 folding hardware

For panels up to 115kg

centor®

Centor E3

Responding to the demands of architects and homeowners wishing to push the boundaries of folding innovation, Centor E3 hardware is suitable for a range of residential and commercial applications. Providing complete freedom in door design, E3 accommodates top-hung panels up to 1200mm wide by 3600mm high and 115kg, allowing for the extra weight of double and triple glazing, and laminated glass. E3 hardware has been tested to and passed the PAS24-2016, allowing you to have peace of mind.

Max panel weight	115kg
Max panel width	1200mm
Max panel height	3600mm
Min panel thickness	35mm
Max number of panels	8 left + 8 right

Top-hung hardware

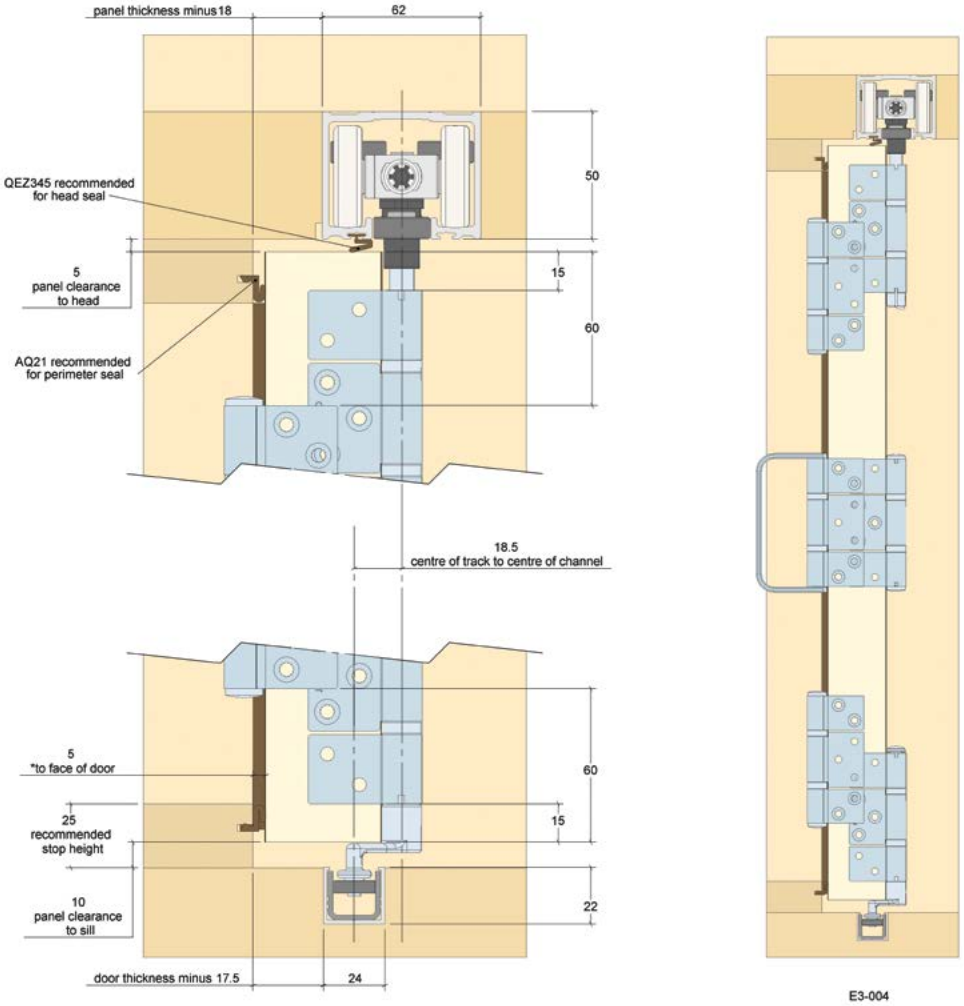
Residential or Commercial

Secure with Centor Locking

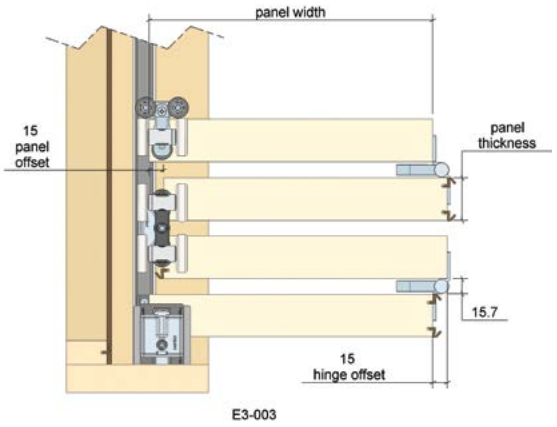
Range of finishes available

Architectural details

Wood sill



Equal sized panels



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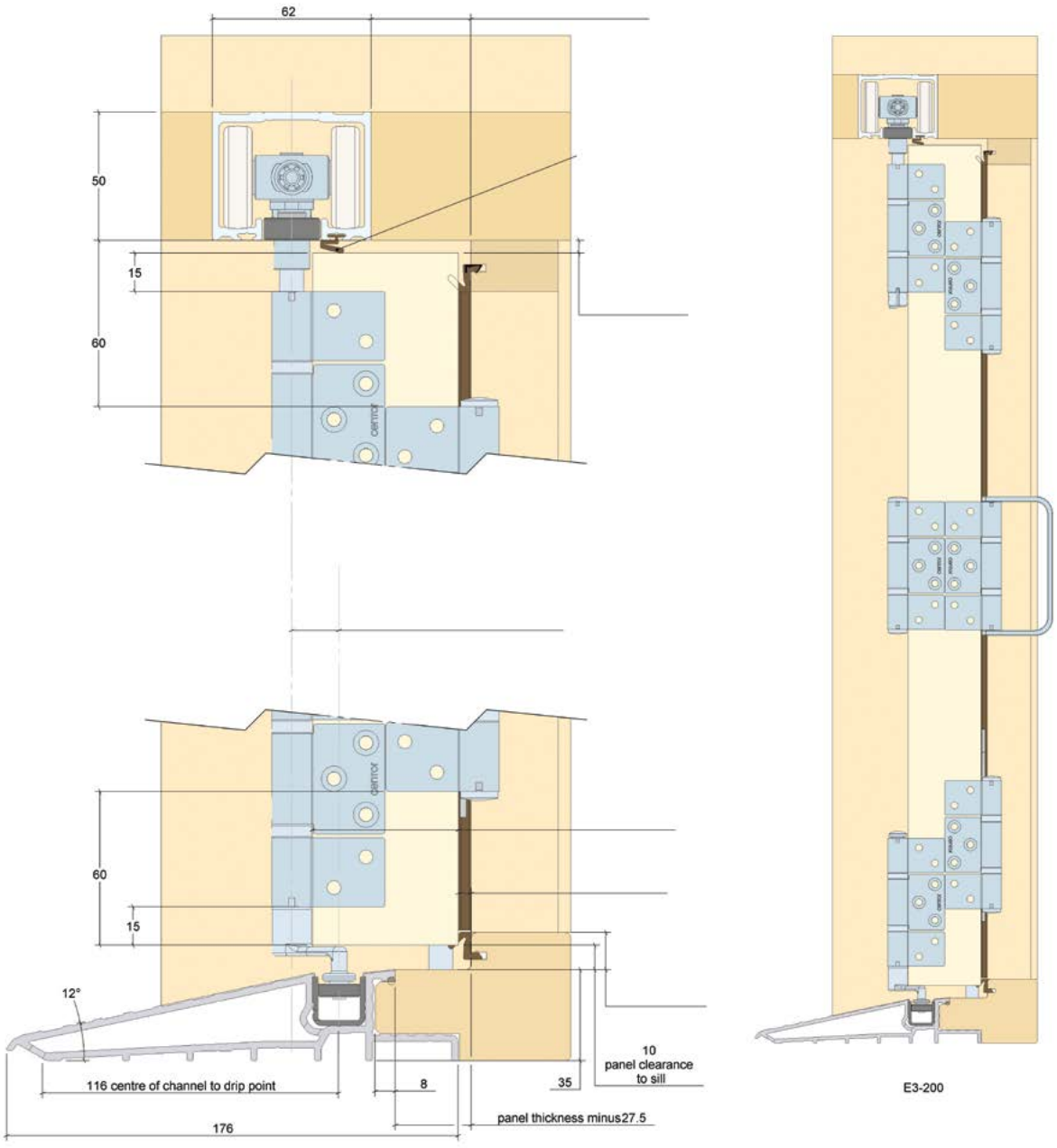
Architectural details

Aluminium outer sill



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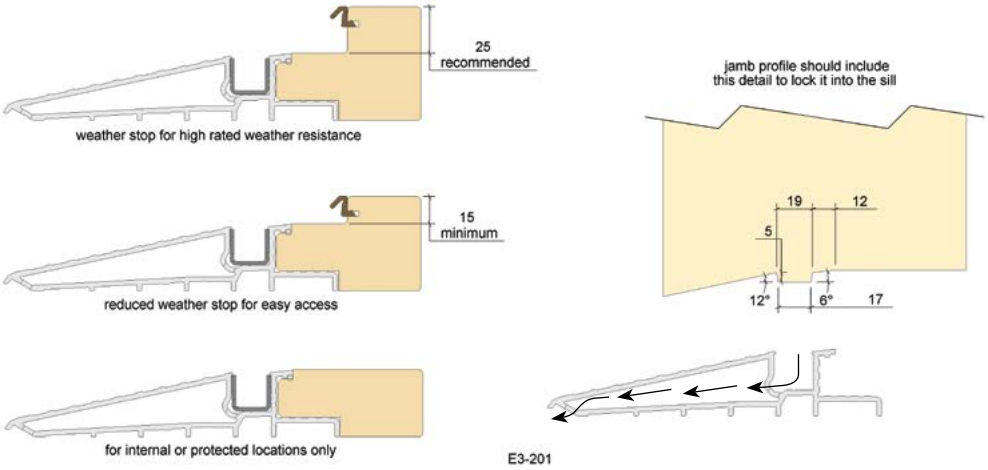
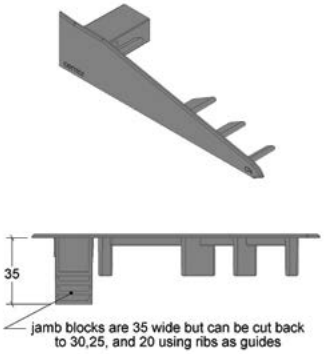
Architectural details

Concealed self draining sill for outward opening doors



End cap



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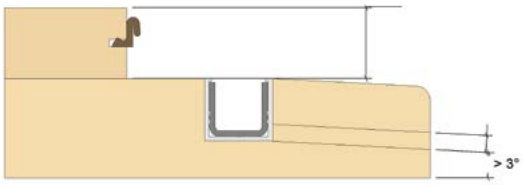
Architectural details

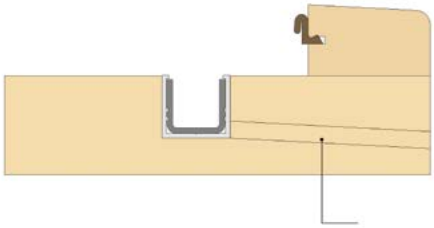
Wood sill options

Flat sill
internal applications

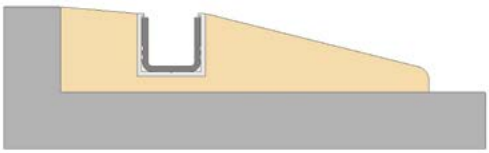
Weatherproof sill
Outward opening



Weatherproof sill
Inward opening



Typical arrangement for garage doors



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System selection

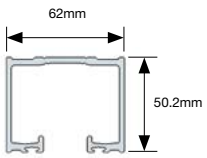
E3 is specified with 6 separate groups:

1 top track
2 concealed sill or channel
3 hardware
4 weathersealing
5 dropbolts or twinpoint locks
6 accessories

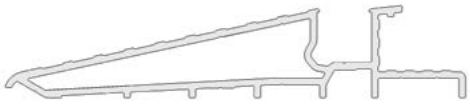
Components are required from all 5 groups to build an E3 folding door system.

Track

Track lengths up to 5.7m. Cut to length on application.

Part	Track	Product code	Description
	Aluminium track, machined	E3TAM24N	2330mm, natural anodised
		E3TAM30N	3000mm, natural anodised
		E3TAM4N	4000mm, natural anodised
		E3TAM42N	4130mm, natural anodised
		E3TAM6N	6000mm, natural anodised
		E3TAM30G	3000mm, gold anodised
		E3TAM4G	4000mm, gold anodised
		E3TAM6G	6000mm, gold anodised
		E3TAM4R	4000mm, bronze anodised
		E3TAM6R	6000mm, bronze anodised

Outward concealed sill

Part	Product code	Description
	E3CDSM36N	3600mm, natural anodised
	E3CDSM42N	4200mm, natural anodised
	E3CDSM57N	5700mm, natural anodised
	E3CDSM36R	3600mm, bronze anodised
	E3CDSM42R	4200mm, bronze anodised
	E3CDSM57R	5700mm, bronze anodised
	E3CDSECL	Sill end cap, left
	E3CDSECR	Sill end cap, right

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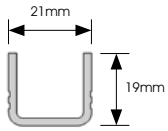
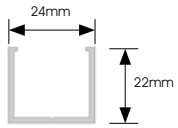
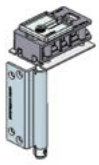
System selection

Channel

Part	Channel	Product code	Description
	Concealed channel 21mm, poly channel	E22FCP24 E22FCP30 E22FCP36 E22FCP4 E22FCP42 E22FCP6	2394mm, black 2994mm, black 3594mm, black 4090mm, black 4194mm, black 6090mm, black
	Concealed channel 24mm, retainer	E22FCR24N E22FCR36N E22FCR3N E22FCR4N E22FCR6N E22FCR4G E22FCR6G E22FCR4R E22FCR6R	2400mm, natural anodised 3600mm, natural anodised 3000mm, natural anodised 4000mm, natural anodised 6000mm, natural anodised 4000mm, gold anodised 6000mm, gold anodised 4000mm, bronze anodised 6000mm, bronze anodised

Concealed pivot set

Parts	Parts on panels	Product code	Description
 		E3CPSTS E3CPSTSP E3CPSTOL E3CPSTTG	Stainless steel Polished stainless steel PVD bronze PVD brass

Wall pivot

Wall pivots are mandatory on door panels over 2150mm. Wall pivots are strongly recommended on all door panels in wet or humid climates, exposed locations, inward opening applications and unstable timber doors. A second/ or third pivot can be used on door panels over 2250mm/ 3000mm to match the additional row of hinges.

Parts	Parts on panels	Product code	Description
	a) b) 	E3WPSTS E3WPSTSP E3WPSTTG	Stainless steel Polished stainless steel PVD brass

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System selection

Concealed intermediate carrier set

Parts	Parts on panels	Product code	Description
a)	a)	E3CICSTS E3CICSTSP E3CICSTOL E3CICSTTG	Stainless steel Polished stainles steel PVD bronze PVD brass
b)	b)	E3HNHTS E3HNHTSP E3HNHTOL E3HNHTTG	Stainless steel Polished stainless steel PVD bronze PVD brass

a) Intermediate carrier set with concealed bottom guide
b) One extra hinge required for doors over 2250mm high. Two extra hinges for doors over 3000mm high.

Concealed right carrier set

Parts	Parts on panels	Product code	Description
		E3CRCSTS E3CRCSTSP E3CRCSTOL E3CRCSTTG	Stainless steel Polished stainless steel PVD bronze PVD brass

Concealed left carrier set

Parts	Parts on panels	Product code	Description
		E3CLCSTS E3CLCSTSP E3CLCSTOL E3CLCSTTG	Stainless steel Polished stainless steel PVD bronze PVD brass

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System selection

Half offset hinge sets

Parts	Parts on panels	Product code	Description
For outward opening doors a) with handle 		E3HHSTS E3HHSTSP E3HHSTOL E3HHSTTG	Stainless steel Polished stainless steel PVD bronze PVD Brass
For inward opening doors b) without handle 		E3HHNHSTS E3HHNHSTSP E3HHNHSTOL E3HHNHSTTG	Stainless steel Polished stainless steel PVD bronze PVD Brass

Single half offset hinge

Parts	Parts on panels	Product code	Description
For outward opening doors a) with handle 		E3HHTS E3HHTSP E3HHTOL E3HHTTG	Stainless steel Polished stainless steel PVD bronze PVD Brass
For inward opening doors b) without handle 		E3HHNHTS E3HHNHTSP E3HHNHTOL E3HHNHTTG	Stainless steel Polished stainless steel PVD bronze PVD Brass

One extra hinge required for doors over 2250mm high. Two extra hinges for doors over 3000mm high.

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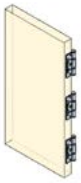
System selection

Straight hinge sets

Parts	Parts on panels	Product code	Description
For outward opening doors a) with handle 		E3HSTS E3HSTSP E3HSTOL E3HSTTG	Brushed stainless steel Polished stainless steel PVD bronze PVD brass
For inward opening doors b) without handle 		E3HNHSTS E3HNHSTSP E3HNHSTOL E3HNHSTTG	Stainless steel Polished stainless steel PVD bronze PVD Brass

Single straight hinges

Parts	Parts on panels	Product code	Description
For outward opening doors a) with handle 		E3HTS E3HTSP E3HTOL E3HTTG	Stainless steel Polished stainless steel PVD bronze PVD Brass
For inward opening doors b) without handle 		E3HNHTS E3HNHTSP E3HNHTOL E3HNHTTG	Stainless steel Polished stainless steel PVD bronze PVD Brass

One extra hinge required for doors over 2250mm high. Two extra hinges for doors over 3000mm high.

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System selection

Weatherseal

Part	Product code	Description
Perimeter	AQ21B AQ21L AQ21W	Flip seal, brown Flip seal, black Flip seal, white
Panel to Panel	AQ63B AQ63L AQ63W	Block seal, brown Block seal, black Block seal, white
Access panel	AQ109B AQ109L AQ109W	Wedge seal, brown Wedge seal, black Wedge seal, white
Head	QEZ345L QEZ345W	Head seal, black Head seal, white

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System selection

Accessories

Handles

Parts	Parts on panels	Product code	Description
Internal pull handle a) face mounted 		DF1IPHS DF1IPHOL	Stainless steel PVD bronze
For inward opening doors b) edge mounted 		E3EHTS E3EHTSP E3EHTOL E3EHTTG	Stainless steel Polished stainless steel PVD Bronze PVD Brass
Commonly used on inward opening door sets			

Magnets

Parts	Product code	Description
	EWMP	Magnet pack for intermediate panels, pair
	DCAS DCASP DCAOL DCATG DCAPC9016M DCAPC9005M	Stainless steel Polished stainless steel PVD Bronze PVD brass RAL9016 matt white RAL9005 matt black

Drill jig

Parts	Product code	Description
	PKE3DJ	E3 drill jig

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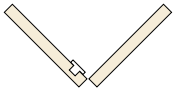
Common panel layouts

Hardware legend			
PS	pivot set	**RCS**	right carrier set
WPS	wall pivot set	**HHS**	half offset hinge set
ICS	intermediate carrier set	**HS**	hinge set (straight)
LCS	left carrier set	**DB**	dropbolt
IPH	internal pull handle	**EH**	external handle

Legend

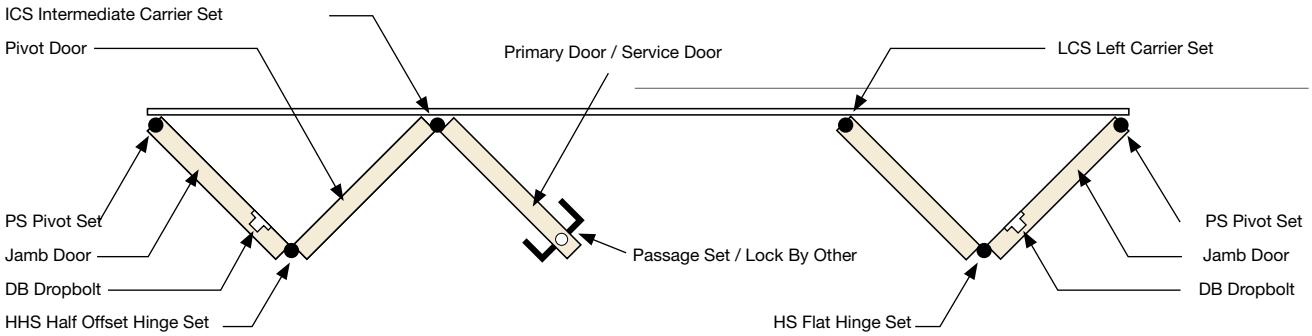
Passage set / Lock by other

Dropbolts top and bottom

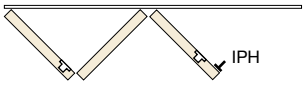


> Note: Wall Pivot Set recommended for doors over 2250mm in height.

Hardware application (3L, 3R)



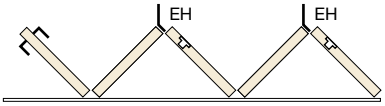
Outward application handle option



Use one interior pull handle on exit door (outswing system) where passage set / lock not required. Use dropbolts top and bottom to lock door from the inside only.

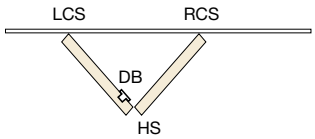
> Note Exit door not accessible from exterior in this application.

Inward application exterior handle option

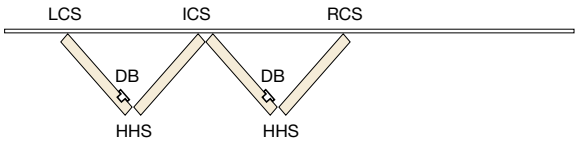


Use one exterior handle on each pair of doors (inswing system) to pull open doors

Two floating door



Four floating door



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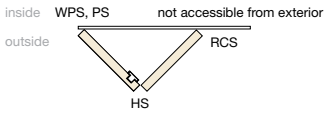
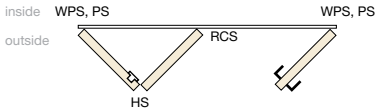
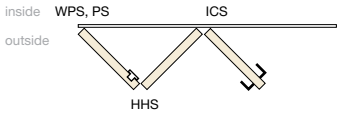
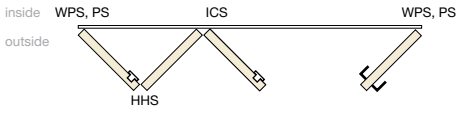
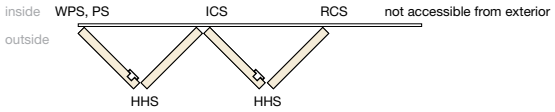
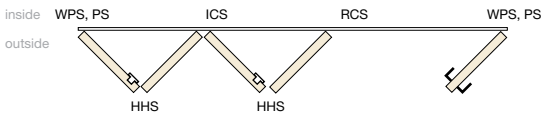
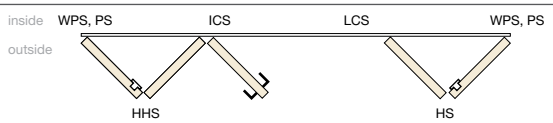
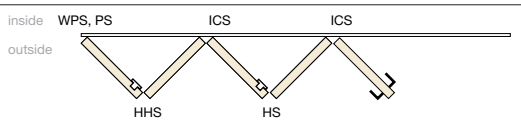
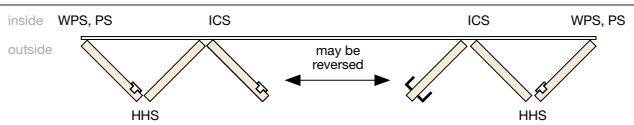
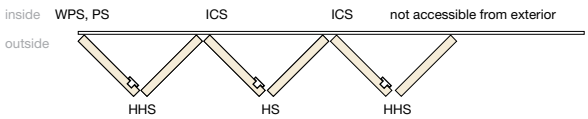
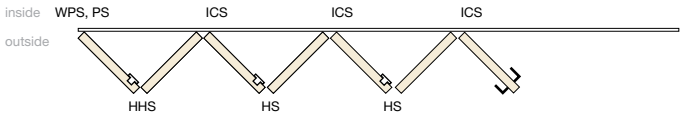
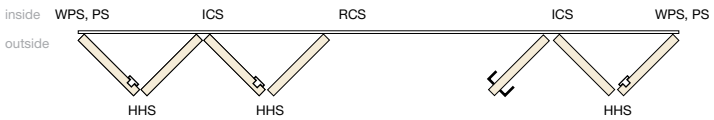
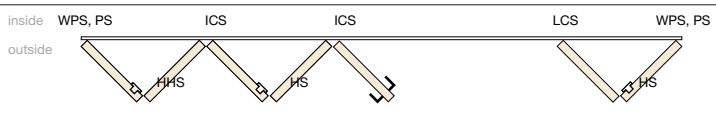
Common panel layouts

Code	Opening configuration	Hardware
2L		1 x pivot set 1 x wall pivot set 1 x right carrier set 1 x hinge set 2 x dropbolt
2L1R		2 x pivot set 2 x wall pivot set 1 x right carrier set 1 x hinge set 2 x dropbolt
3L		1 x pivot set 1 x wall pivot set 1 x intermediate carrier set 1 x half offset hinge set 2 x dropbolt
3L1R		2 x pivot set 2 x wall pivot set 1 x intermediate carrier set 1 x half offset hinge set 4 x dropbolt
4L		1 x pivot set 1 x wall pivot set 1 x intermediate carrier set 1 x right carrier set 2 x half offset hinge set 4 x dropbolt
4L1R		2 x pivot set 2 x wall pivot set 1 x intermediate carrier set 1 x right carrier set 2 x half offset hinge set 4 x dropbolt
3L2R		2 x pivot set 2 x wall pivot set 1 x intermediate carrier set 1 x left carrier set 1 x hinge set 1 x half offset hinge set 4 x dropbolt
5L		1 x pivot set 1 x wall pivot set 2 x intermediate carrier set 1 x hinge set 1 x half offset hinge set 4 x dropbolt
3L3R		2 x pivot set 2 x wall pivot set 2 x intermediate carrier set 2 x half offset hinge set 6 x dropbolt
6L		1 x pivot set 1 x wall pivot set 2 x intermediate carrier set 1 x right carrier set 1 x hinge set 2 x half offset hinge set 6 x dropbolt
7L		1 x pivot set 1 x wall pivot set 3 x intermediate carrier set 2 x hinge set 1 x half offset hinge set 6 x dropbolt
4L3R		2 x pivot set 2 x wall pivot set 2 x intermediate carrier set 1 x right carrier set 3 x half offset hinge set 6 x dropbolt
5L2R		2 x pivot set 2 x wall pivot set 2 x intermediate carrier set 1 x left carrier set 2 x hinge set 1 x half offset hinge set 6 x dropbolt

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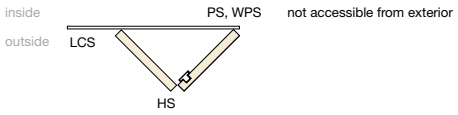
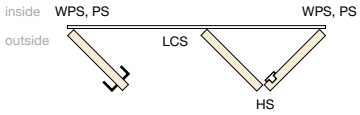
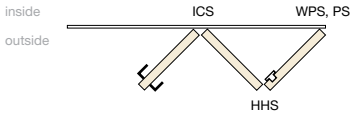
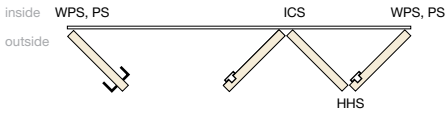
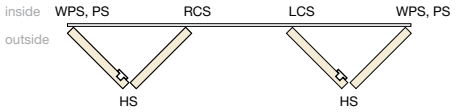
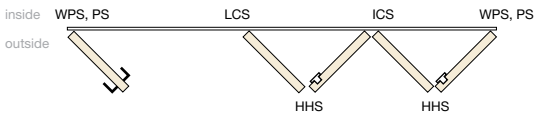
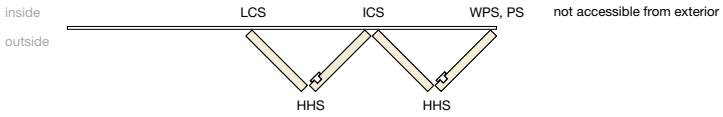
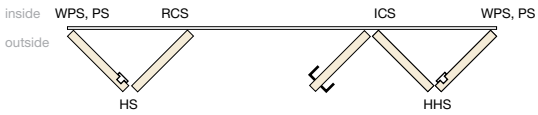
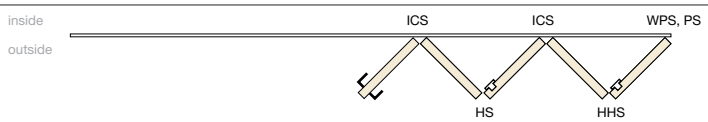
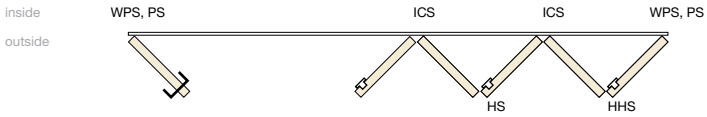
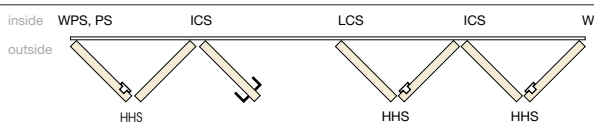
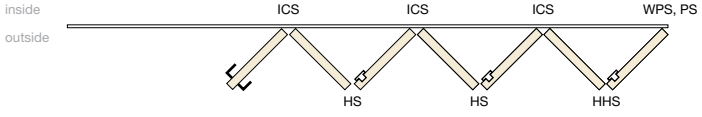
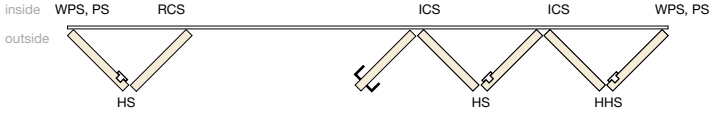
Common panel layouts

Code	Outward opening configuration	Hardware
2R		1 x pivot set 1 x wall pivot set 1 x left carrier set 1 x hinge set 2 x dropbolt
1L2R		2 x pivot set 2 x wall pivot set 1 x left carrier set 1 x hinge set 2 x dropbolt
3R		1 x pivot set 1 x wall pivot set 1 x intermediate carrier set 1 x half offset hinge set 2 x dropbolt
1L3R		2 x pivot set 2 x wall pivot set 1 x intermediate carrier set 1 x half offset hinge set 4 x dropbolt
2L2R		2 x pivot set 2 x wall pivot set 1 x right carrier set 1 x left carrier set 2 x hinge set 4 x dropbolt
1L4R		2 x pivot set 2 x wall pivot set 1 x intermediate carrier set 1 x left carrier set 2 x half offset hinge set 4 x dropbolt
4R		1 x pivot set 1 x wall pivot set 1 x intermediate carrier set 1 x left carrier set 2 x half offset hinge set 4 x dropbolt
2L3R		2 x pivot set 2 x wall pivot set 1 x intermediate carrier set 1 x right carrier set 1 x hinge set 1 x half offset hinge set 4 x dropbolt
5R		1 x pivot set 1 x wall pivot set 2 x intermediate carrier set 1 x hinge set 1 x half offset hinge set 4 x dropbolt
1L5R		2 x pivot set 2 x wall pivot set 2 x intermediate carrier set 1 x hinge set 1 x half offset hinge set 6 x dropbolt
3L4R		2 x pivot set 2 x wall pivot set 2 x intermediate carrier set 1 x left carrier set 3 x half offset hinge set 6 x dropbolt
7R		1 x pivot set 1 x wall pivot set 3 x intermediate carrier set 2 x hinge set 1 x half offset hinge set 6 x dropbolt
2L5R		2 x pivot set 2 x wall pivot set 2 x intermediate carrier set 1 x right carrier set 2 x hinge set 1 x half offset hinge set 6 x dropbolt

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