centor®

Centor Twinpoint lock

winner of the AWA 2010 Design Award

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2010 AWA Design Awards Winner
Most Innovative Door Component

Specifications	
door thickness	minimum 35mm
handle height	1020mm or custom
security	keyed, non-keyed
throw length	20mm (LT3), 25mm (LT2)
uses	folding, French & sliding doors
LT	timber doors
LA	aluminium doors

The award-winning Centor Twinpoint locking system is the first folding door-specific rebated lock to combine a robust, single-action, low profile handle with the strength required for multi-panel door systems up to 3m high. The Centor Twinpoint is a convenient, stylish and secure alternative to dropbolts. The LT Twinpoint for timber doors and LA Twinpoint for aluminium doors are easy to install and a delight to use.

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compact design preserves the door stile's integrity

Installation

The Centor Twinpoint's compact design preserves the door stile's integrity. Timber door stiles can be routed simply, with a router bit available from Centor. Full installation instructions and customisable calculation software ensure locks can be installed correctly and with the minimum fuss. Centor LockCalc software is available from Centor's website.

Function

Centor LT and LA operate easily with a simple handle rotation, driving a 20 or 25mm throw into the head and sill. This makes it one of the most secure drop bolt locks on the market. An installed Centor Twinpoint system is completely accessible and serviceable.

Centor Twinpoints are available non-keyed and keyed. Keyed systems use a robust pin cylinder, and have a damage-proof design where a door cannot be unbolted without first removing the key.

For people with mobility impairments, the Centor Twinpoint offers the security of two dropbolts, but without the access problems associated with dropbolts being too high or low to reach.

Style

LT and LA have the sleek and clean styling synonymous with all Centor products. Their low profile allows any folding system, such as Centor F2, F3, E2, E3 or E4, to stack neatly, without intrusive door furniture getting in the way.

Centor Twinpoint locks are fully concealed within the door stile, avoiding dropbolts fixed to the door face.

The Centor Twinpoint is an unobtrusive, functional and sleek locking solution.

Finishes and materials

The stainless steel and aluminium door furniture is available in a range of finishes to suit any door or décor. Centor LT and LA Twinpoint locks are made from durable, corrosion-resistant materials.

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tested to Centor's high standards of operation and function

Testing

As part of our commitment to quality, the Centor LT and LA locking mechanism has been cycled tested to 100,000 cycles to ensure it meets Centor's high standards of operation and function. Deflection and structural testing of a complete door system delivered impressive results for both LT and LA.

Maintenance

To ensure the trouble free operation of Centor's Twinpoint, the locking system should be kept free from dirt, grit and sea spray. External components of the Twinpoint can be cleaned with a mild detergent solution to keep the LT and LA locking systems looking their best

Warranty

Like all Centor hardware systems, Centor LA and LT Twinpoint locks come with a 10-year warranty.

Twinpoint selection process

1. Inward or outward opening
2. Top hung or bottom-rolling system
3. Panel size and weight
4. Head and sill profiles
5. Refer to *Component selection guide* matrix for compatibility on page 4

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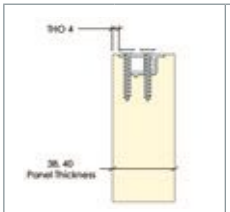
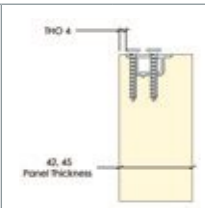
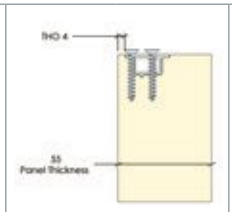
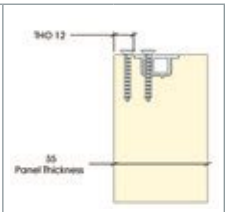
Component selection guide

The table below shows configuration options for installing the Twinpoint with each of Centor's folding door systems. Use this table to determine which sill and Twinpoint configuration will meet your project's requirements.

								
Panel Thickness	38, 40mm		42, 45mm		55mm			
Twinpoint Hinge Offset - THO	4mm		4mm		4mm		12mm	
Key Cylinder (optional)	3 Pin		3 Pin	5 Pin	3 Pin	5 Pin	5 Pin	
Opening	Outward	Inward	Outward	Inward	Outward	Inward	Outward	Inward
F2 / F3								
Straight head / Basic sill BC	□		●		●		●	
Twinpoint head / Twinpoint sill	□		●					
E2								
E2 track head / E2 straight channel BC	●	●	●	●	●		●	●
E2 track head / E2 concealed channel BC	□	□	●	●	●		●	●
E2 track head / E2 timber sill BC	●	●						
E2 track head / E2 concealed timber sill								
ES2 head / ES2 sill								

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	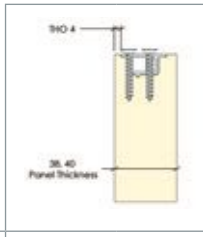		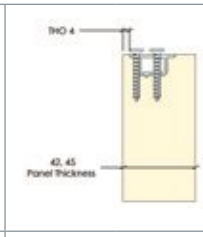		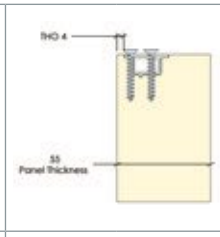		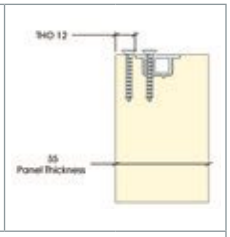	
Panel Thickness	38, 40mm		42, 45mm		55mm			
Twinpoint Hinge Offset - THO	4mm		4mm		4mm		12mm	
Key Cylinder (optional)	3 Pin		3 Pin	5 Pin	3 Pin	5 Pin	5 Pin	
Opening	Outward	Inward	Outward	Inward	Outward	Inward	Outward	Inward
E3								
E3 track head straight / E3 channel sill BC	☐	☐	●	●	●		●	●
E3 track head concealed / E2 channel sill BC	☐	☐	●	●	●		●	●
E3 track head / E2 timber sill BC	☐	☐						
E3 track head / E2 concealed timber sill								
E4								
E4 Track Head / E4 Channel Sill *57mm min panel thickness								

- ● = straight 25mm bolt compatible
- ☐ = offset 20mm bolt REQUIRED
- BC = suitable with Twinpoint bolt cup
- 5 pin = 5 pin cylinder (supplied by others)
- = door, head and sill combination not technically possible

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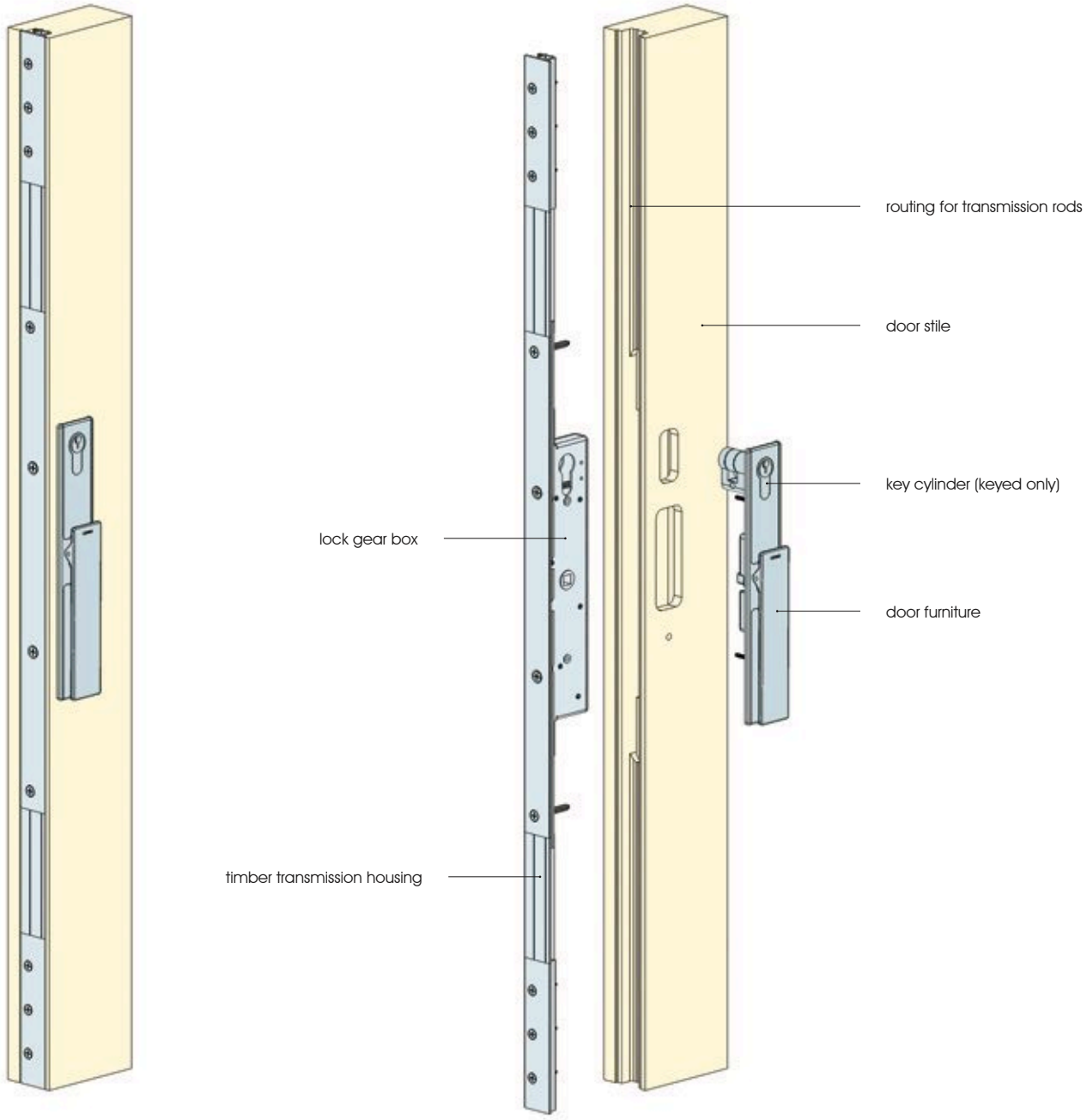
Product details – timber panels

Downloadable DXF, DWG and PDF files ready for use in your own documentation are a convenient resource for architects and specifiers wishing to use Centor systems.

Twinpoint DXF, DWG or PDF files can be downloaded from www.centor.com.au



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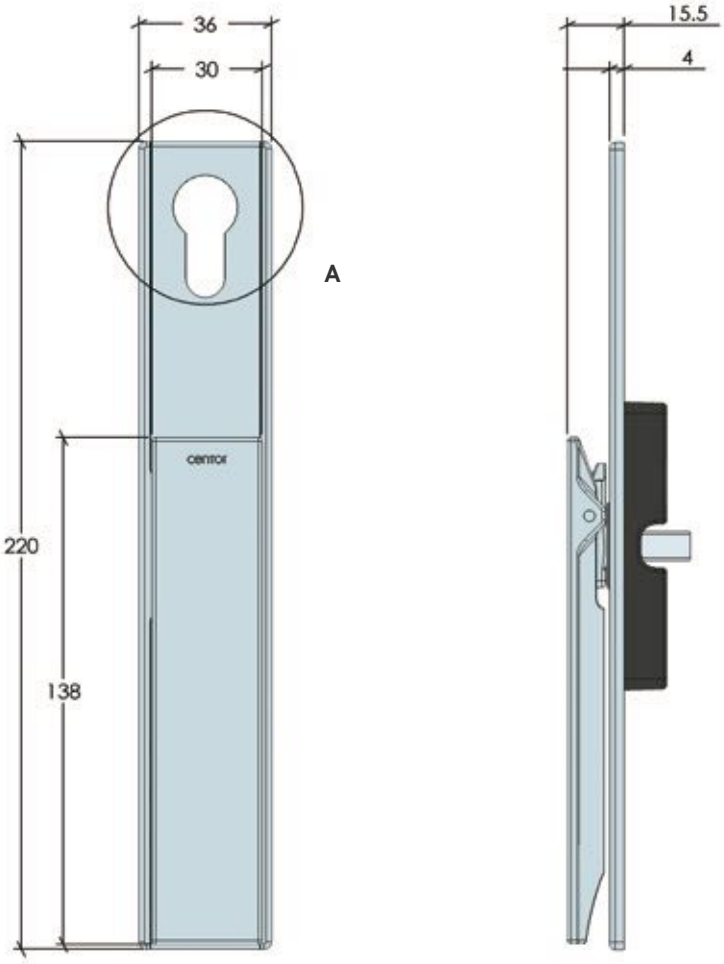
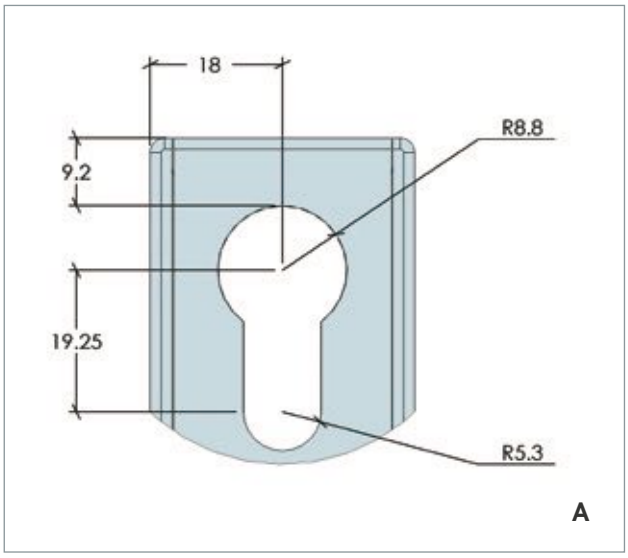
Product detail – door furniture





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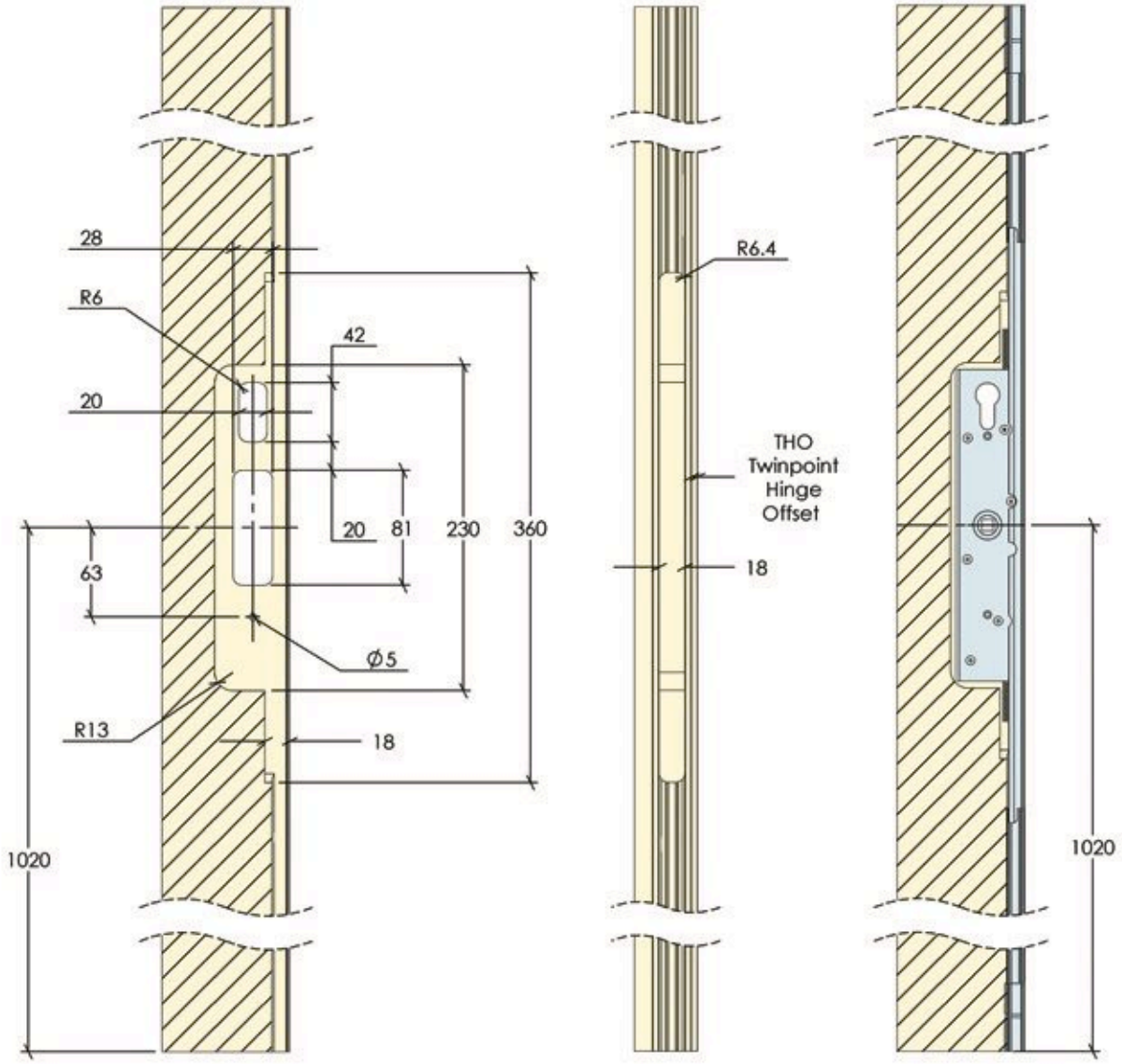
Routing detail – general



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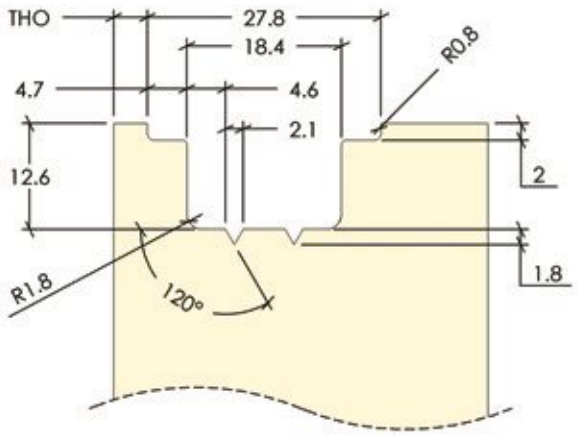
Routing detail – stile



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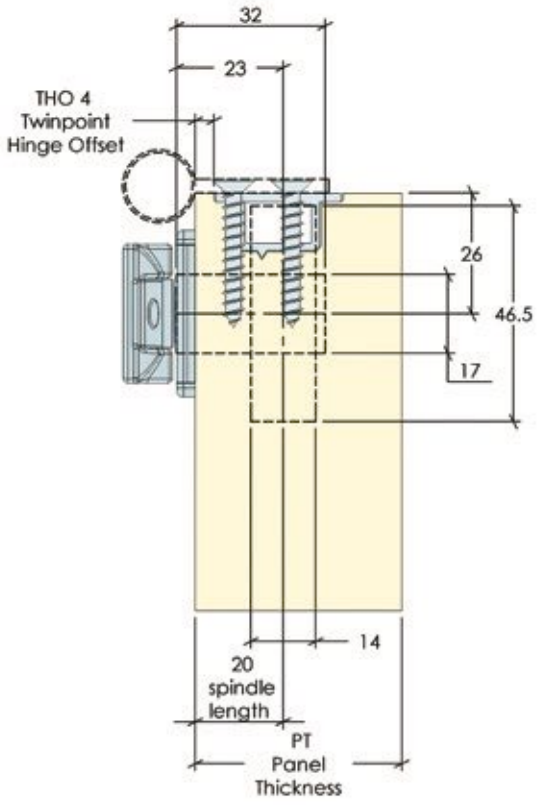
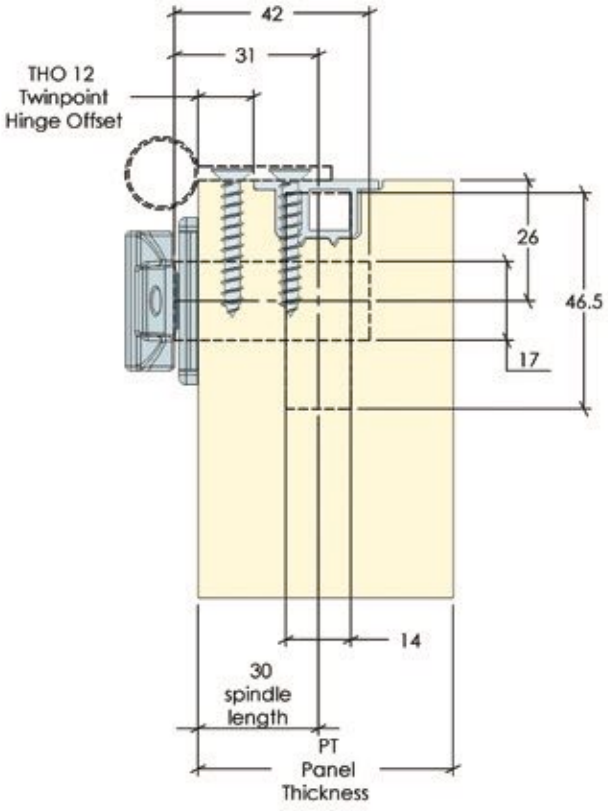
Key cylinder detail

38mm timber panels – 3 pin cylinder



57mm timber panels – 5 pin cylinder



26mm	centreline cylinder to edge of door
46.5mm	depth of gearbox
17mm	width of cylinder
14mm	width of gearbox

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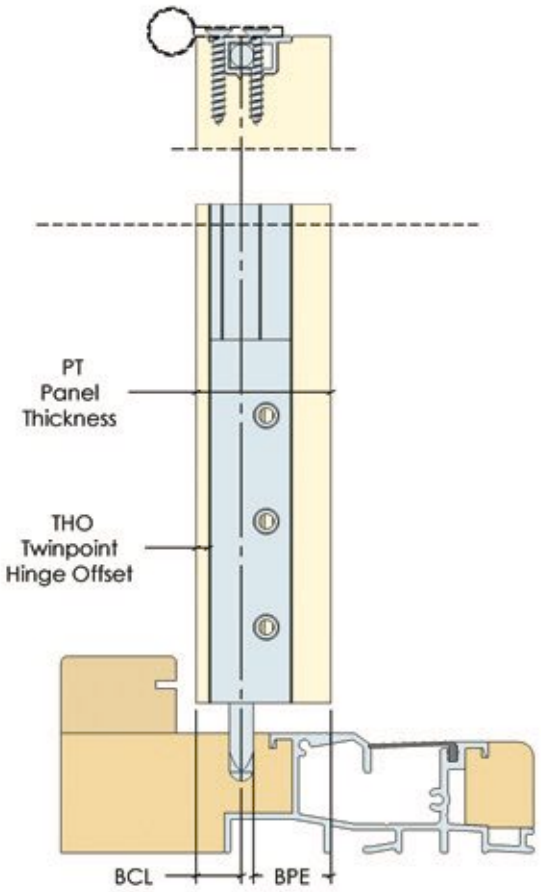
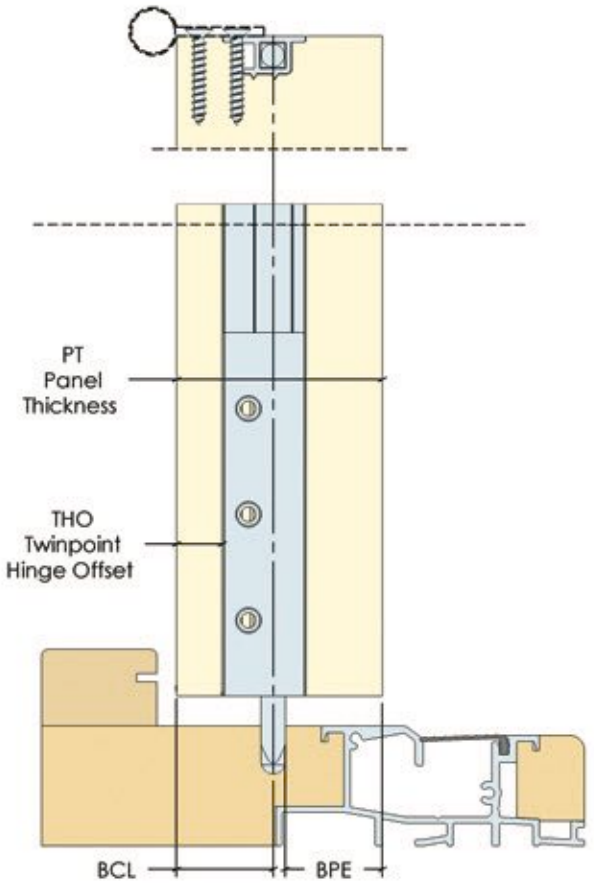
Twinpoint hinge offset (THO)

3 pin cylinder



THO	Key cylinder	BLC	BPE
4mm	23mm (3 pin)	15mm	PT – 19

5 pin cylinder



THO	Key cylinder	BLC	BPE
12mm	31mm (5 pin)	29mm	PT – 33

Legend

THO	Twinpoint hinge offset
BCL	bolt centreline
BPE	bolt panel edge

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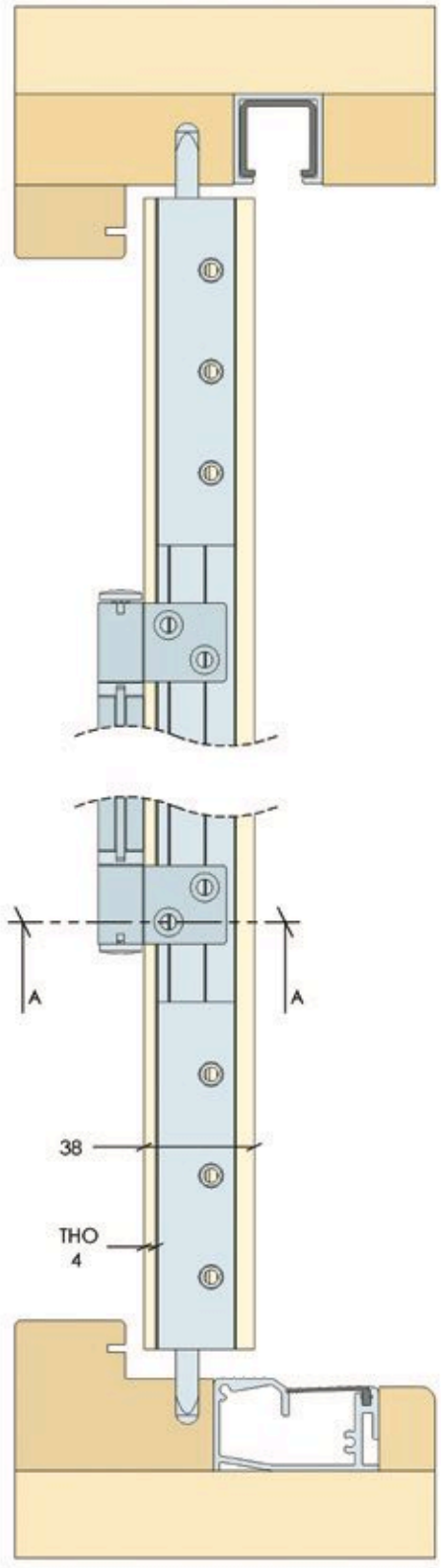
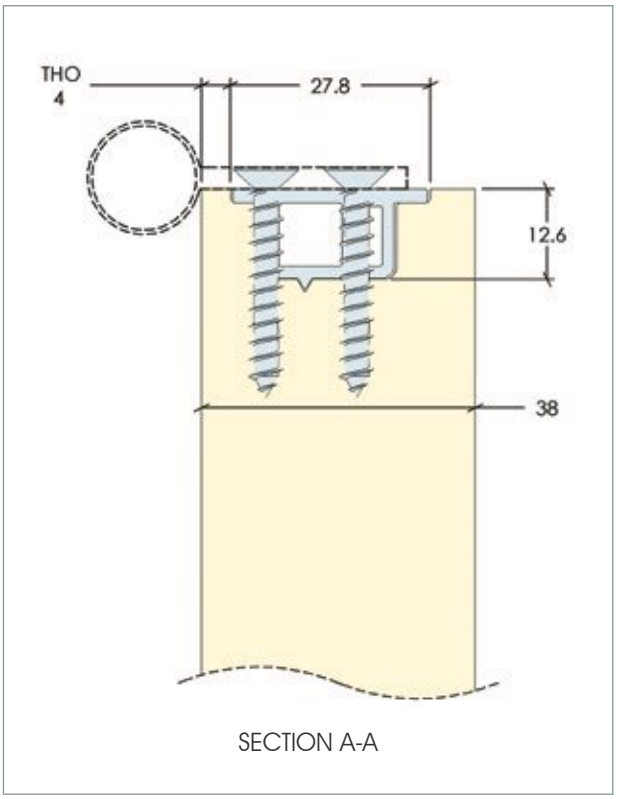
Architectural detail – Centor F2/F3

38mm timber panels shown with FRAHS and FRSB





SECTION A-A

Use with LT2 kit

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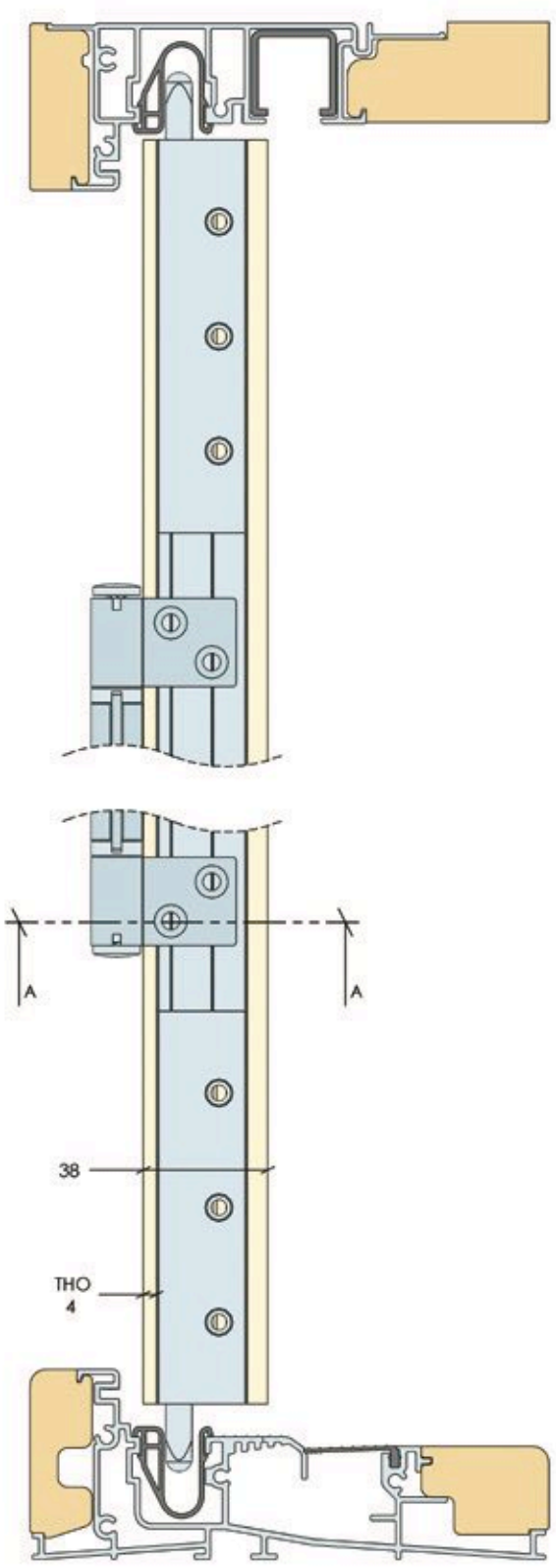
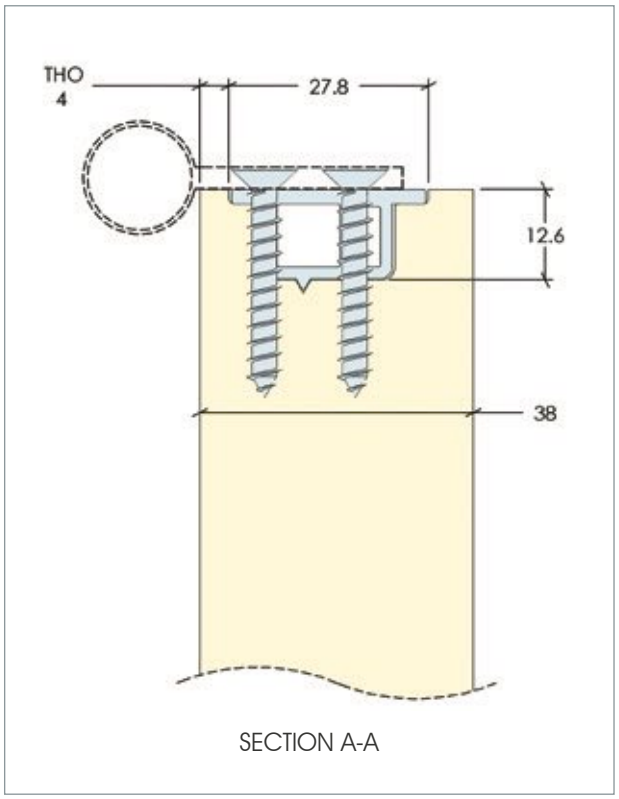
Architectural detail – Centor F2/F3

38mm timber panels shown with FRAHT and FRAST



Use LT3MPBCK moulded plastic bolt cup



SECTION A-A

Use with LT3 kit

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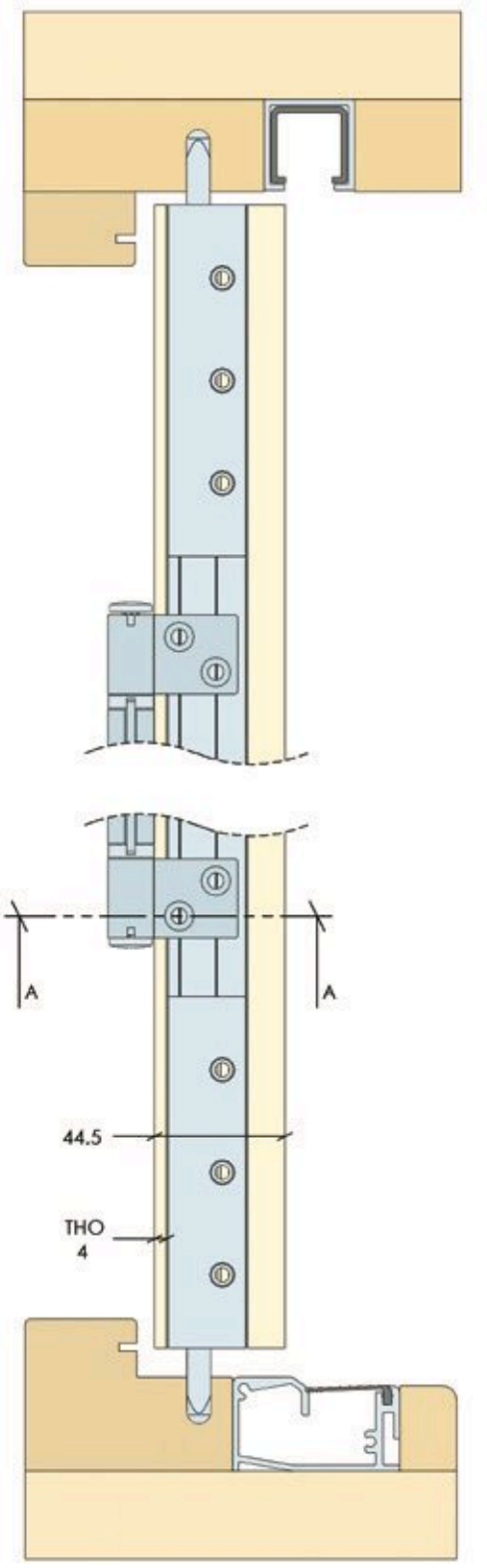
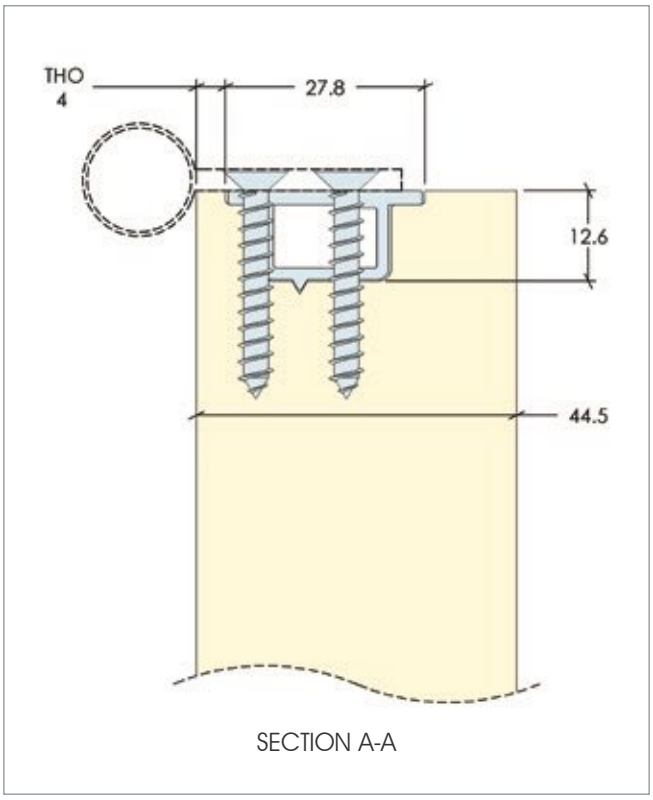
Architectural detail – Centor F2/F3
45mm timber panels shown with FRAHS and FRSB





SECTION A-A

Use with LT2 kit

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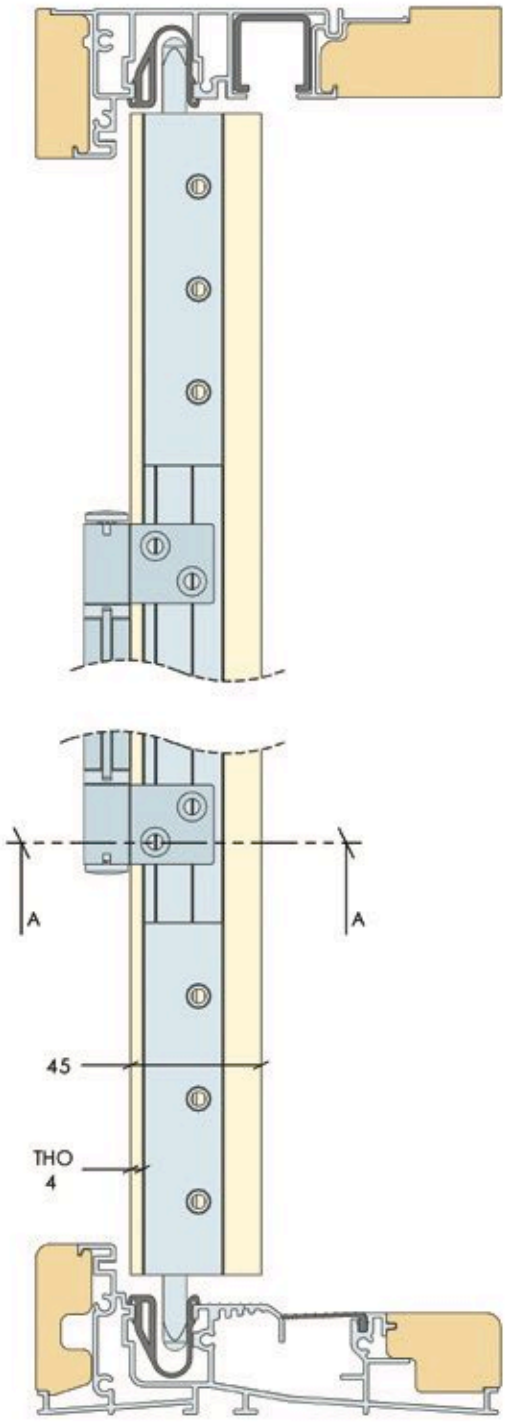
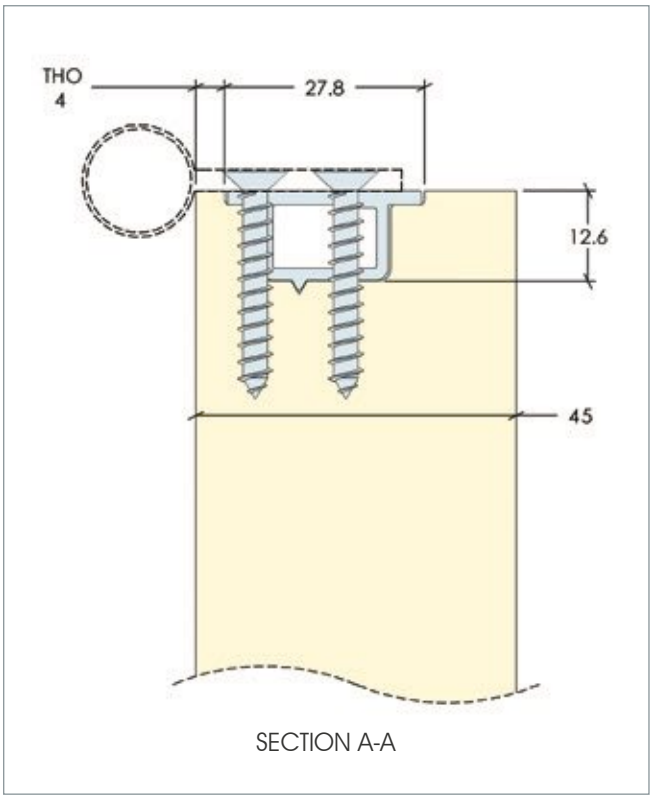
Architectural detail – Centor F2/F3
45mm timber panels shown with FRAHT and FRAST





SECTION A-A

Use with LT2 kit

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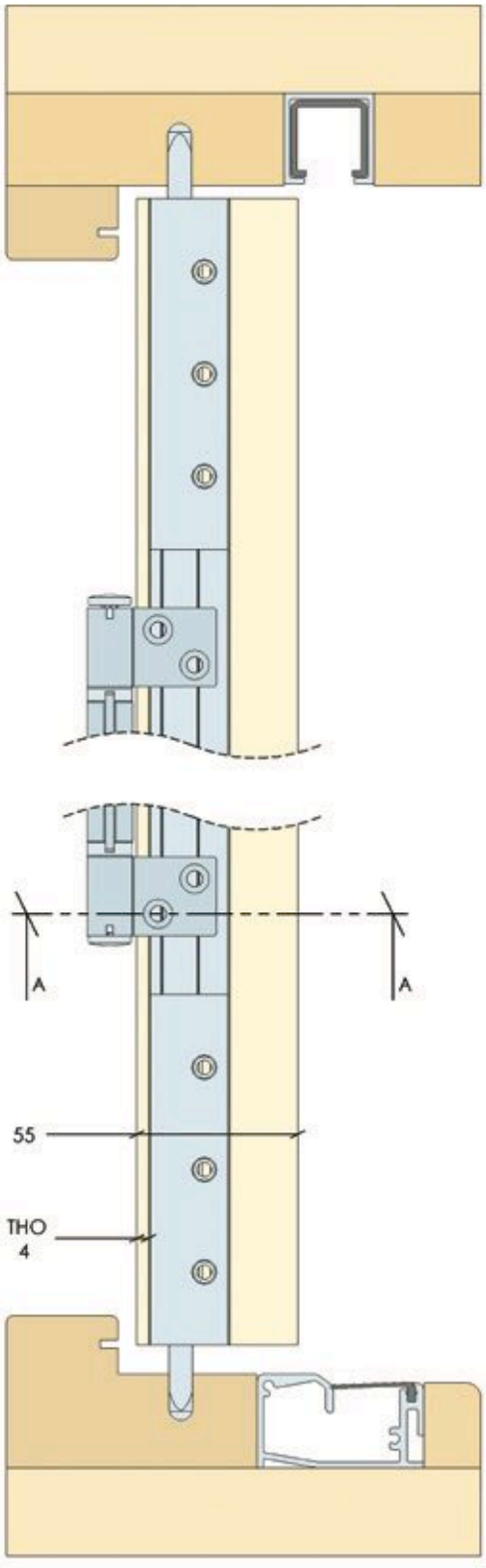
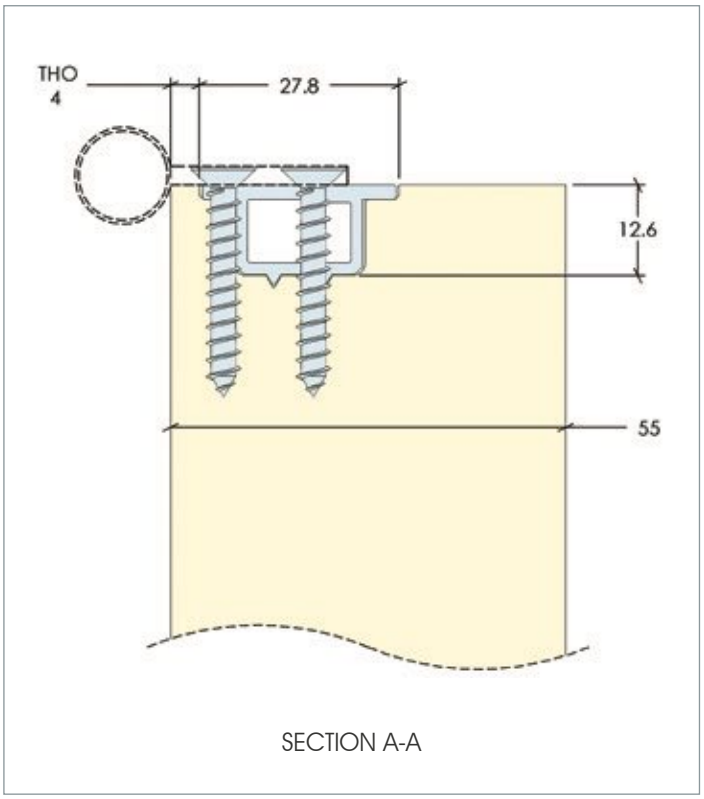
Architectural detail – Centor F2/F3
55mm timber panels shown with FRAHS and FRSB





SECTION A-A

Use with LT2 kit

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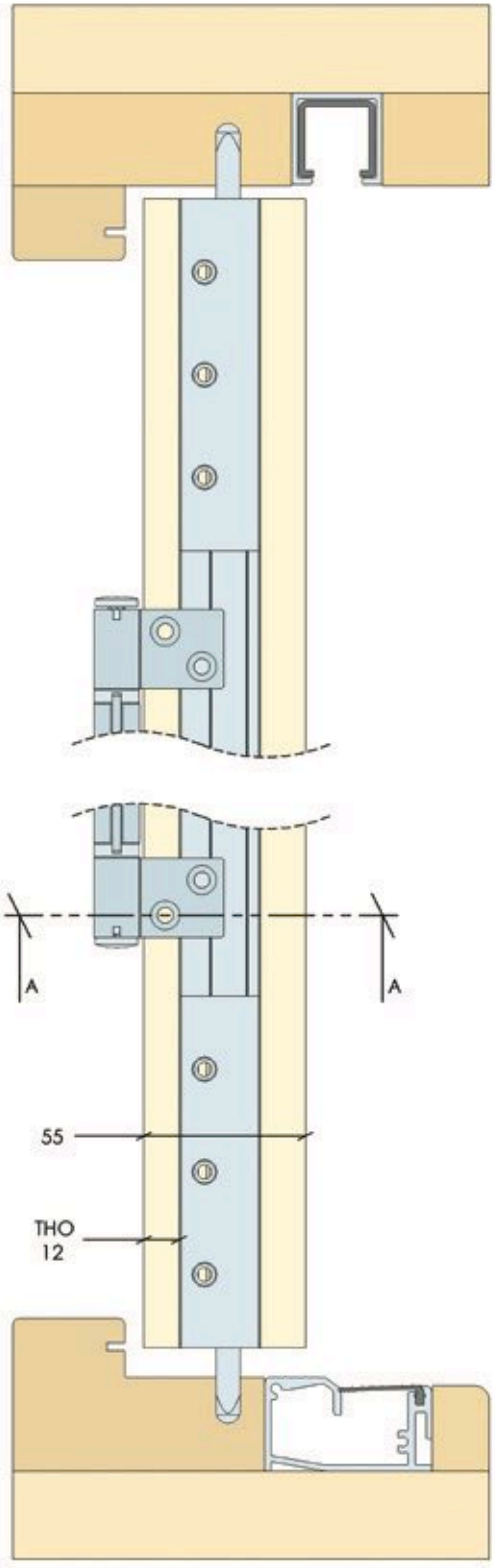
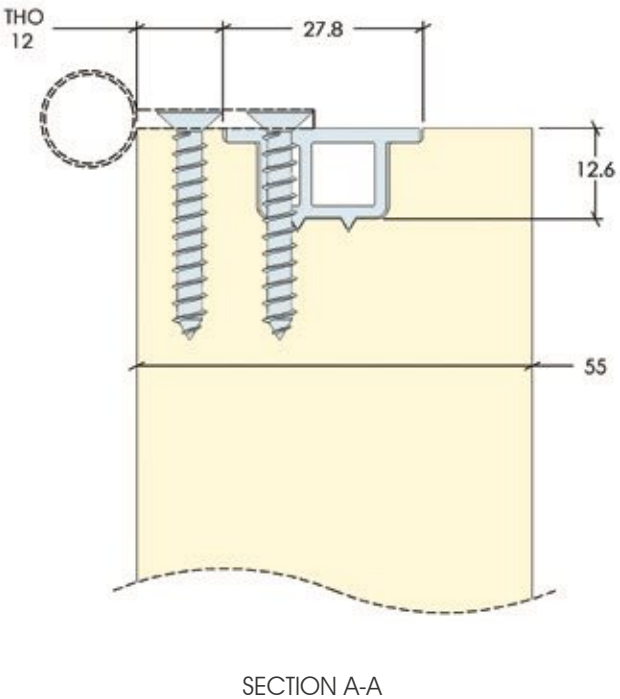
Architectural detail – Centor F2/F3

55mm timber panels shown with FRAHS and FRSB





SECTION A-A

Use with LT2 kit

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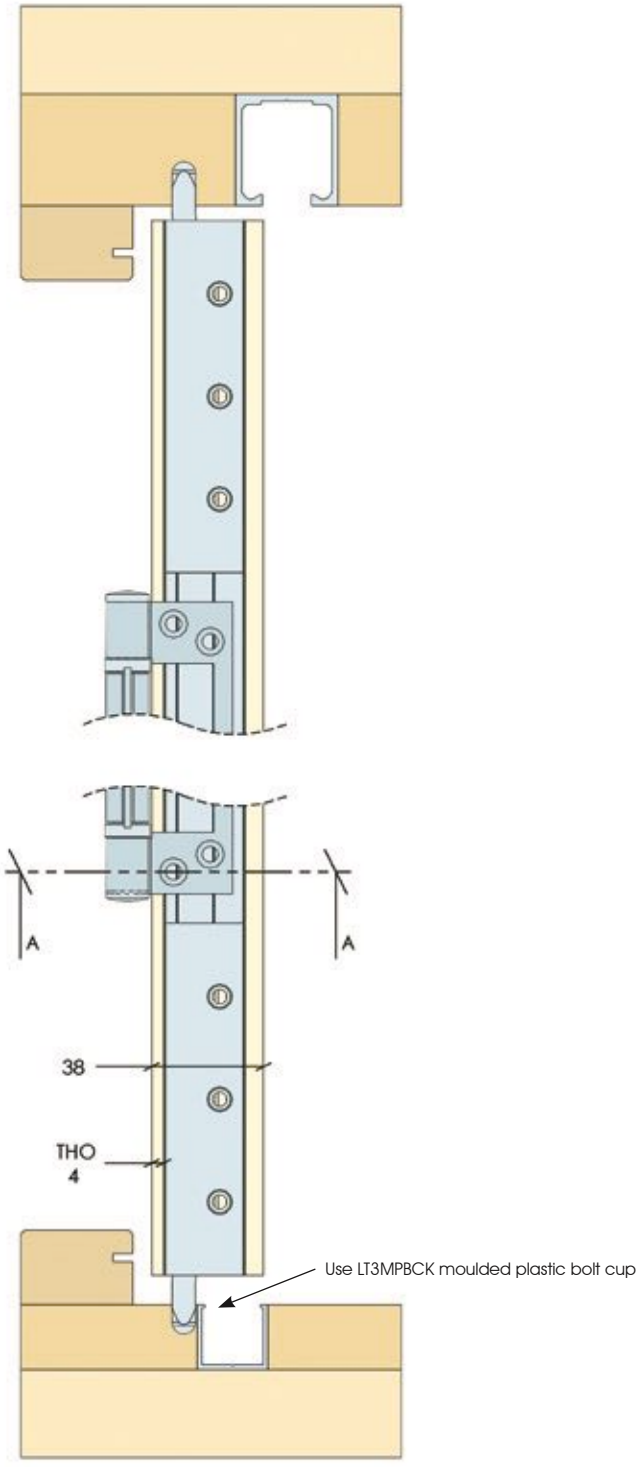
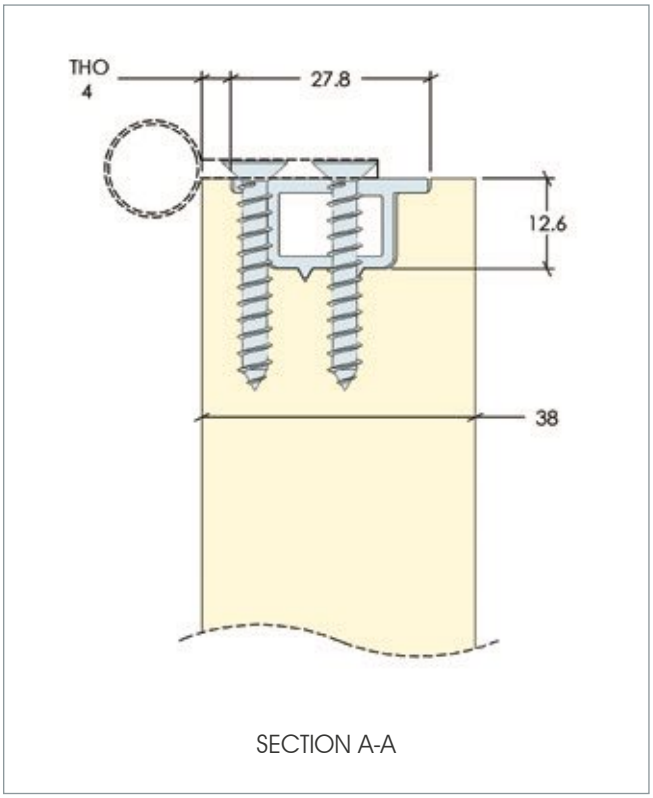
Architectural detail – Centor E2

38mm timber panels shown with 14TA and E22FCR





SECTION A-A

Use with LT3 kit only

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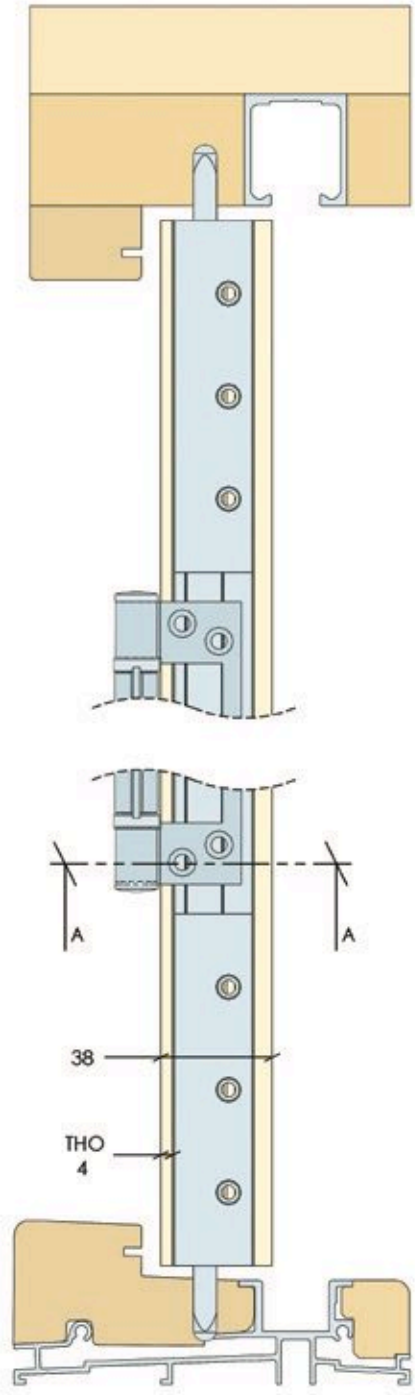
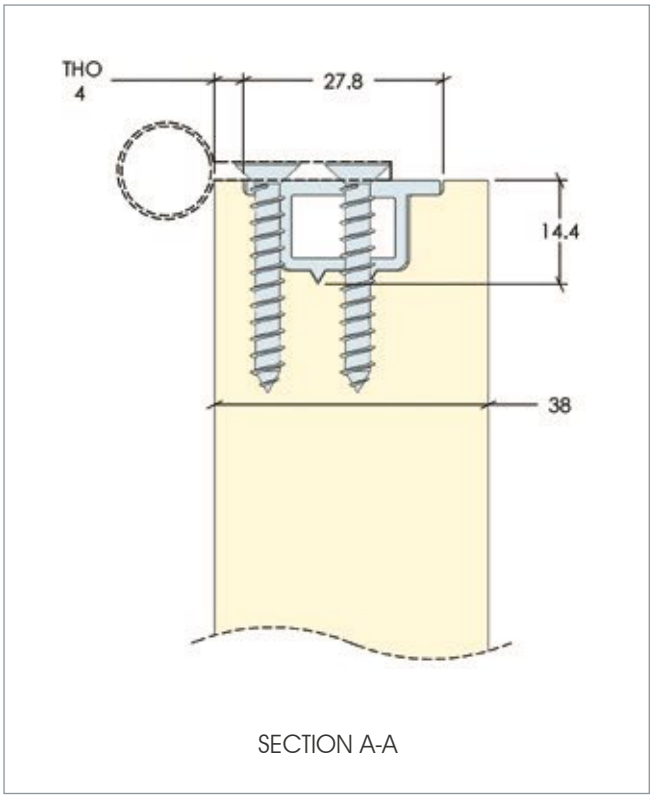
Architectural detail – Centor E2

38mm timber panels shown with 14TA and E2IS





SECTION A-A

Use with LT2 kit

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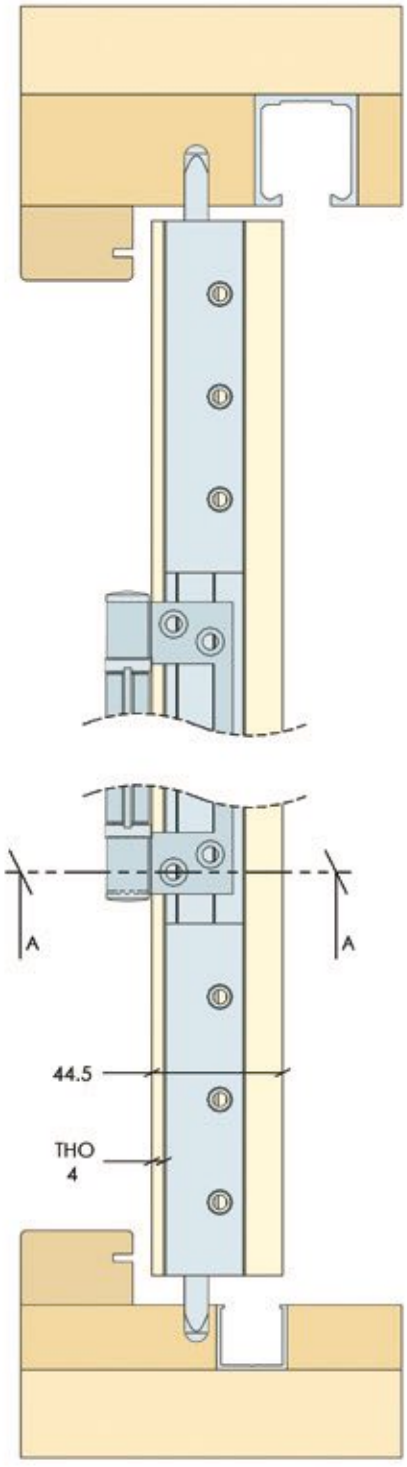
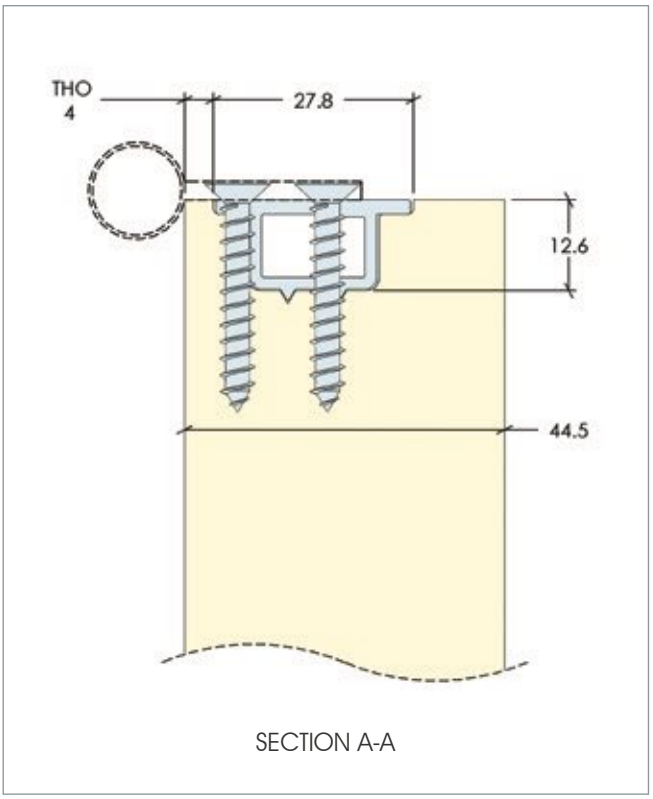
Architectural detail – Centor E2

45mm timber panels shown with 14TA and E22FCR





SECTION A-A

Use with LT2 kit

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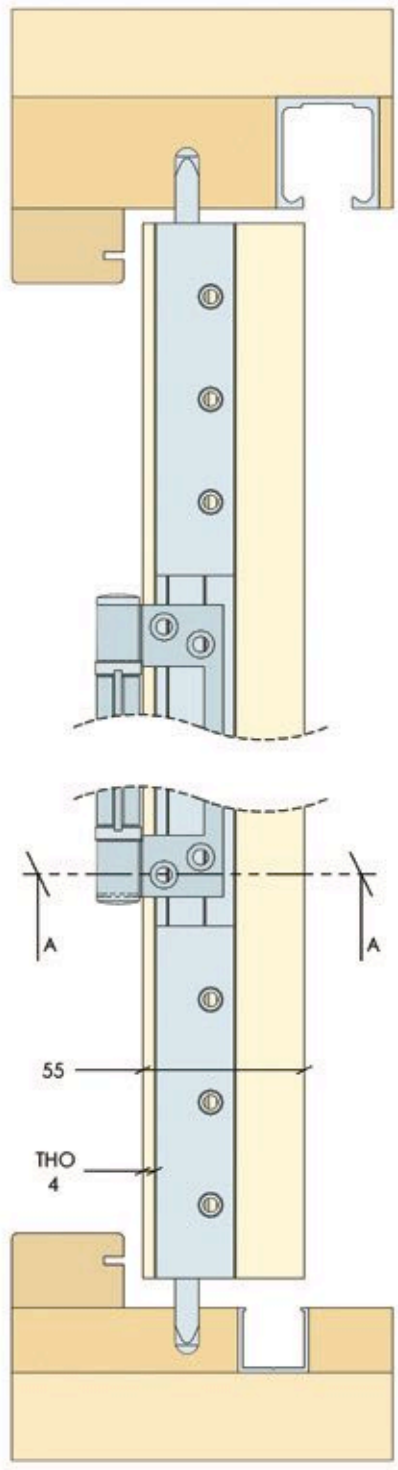
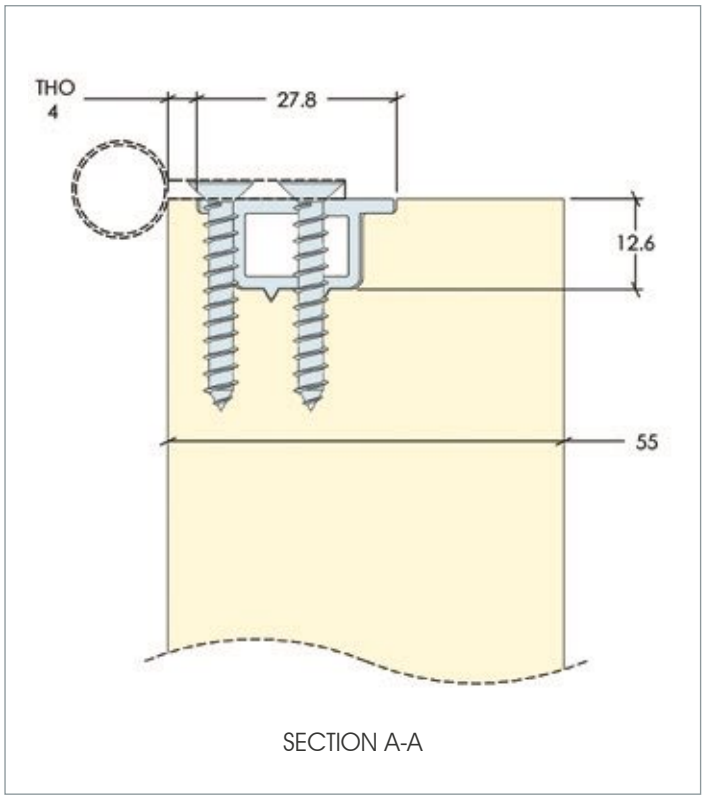
Architectural detail – Centor E2

55mm timber panels shown with 14TA and E22FCR





SECTION A-A

Use with LT2 kit

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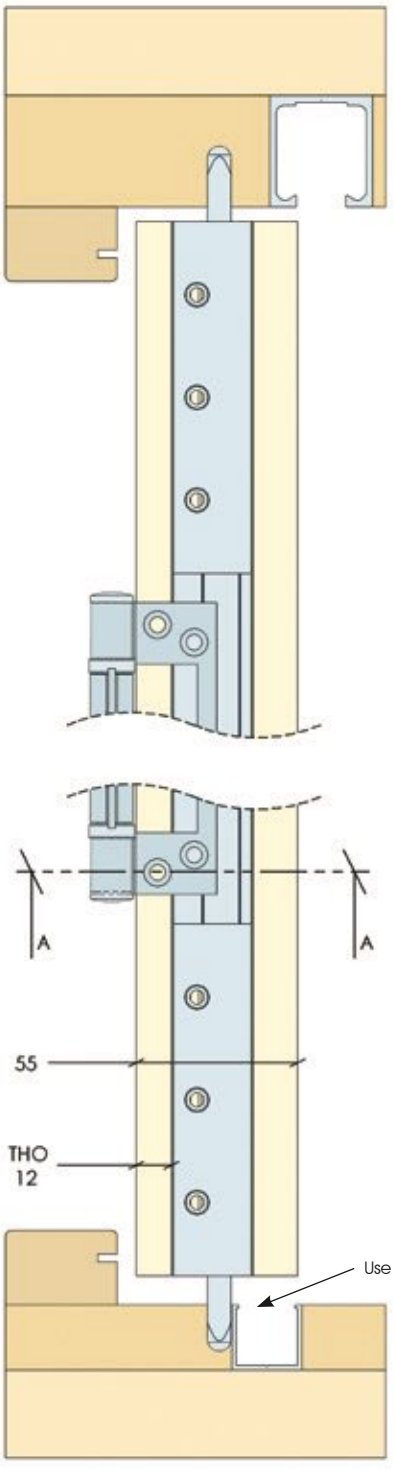
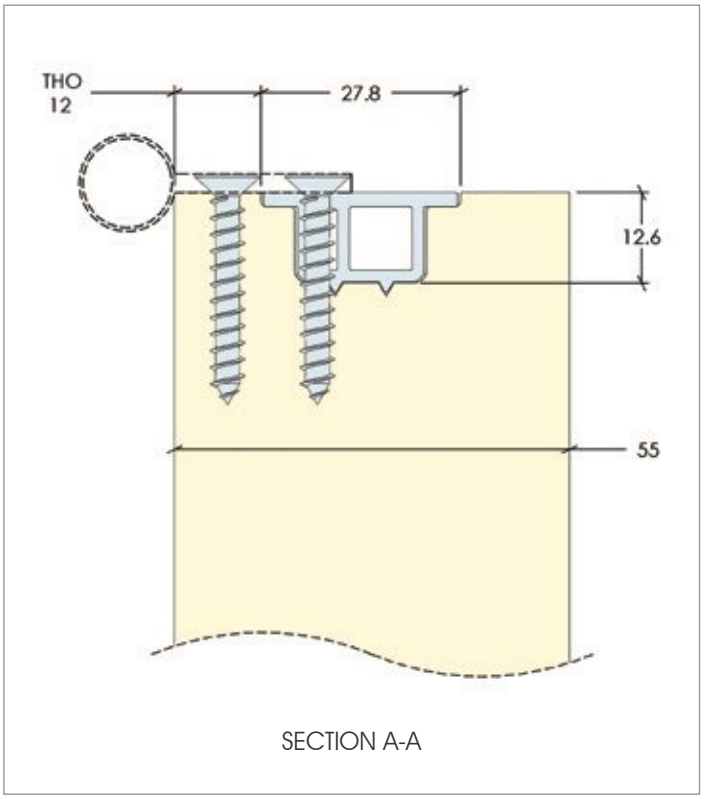
Architectural detail – Centor E2

55mm timber panels shown with 14TA and E22FCR





SECTION A-A

Use with LT2 kit

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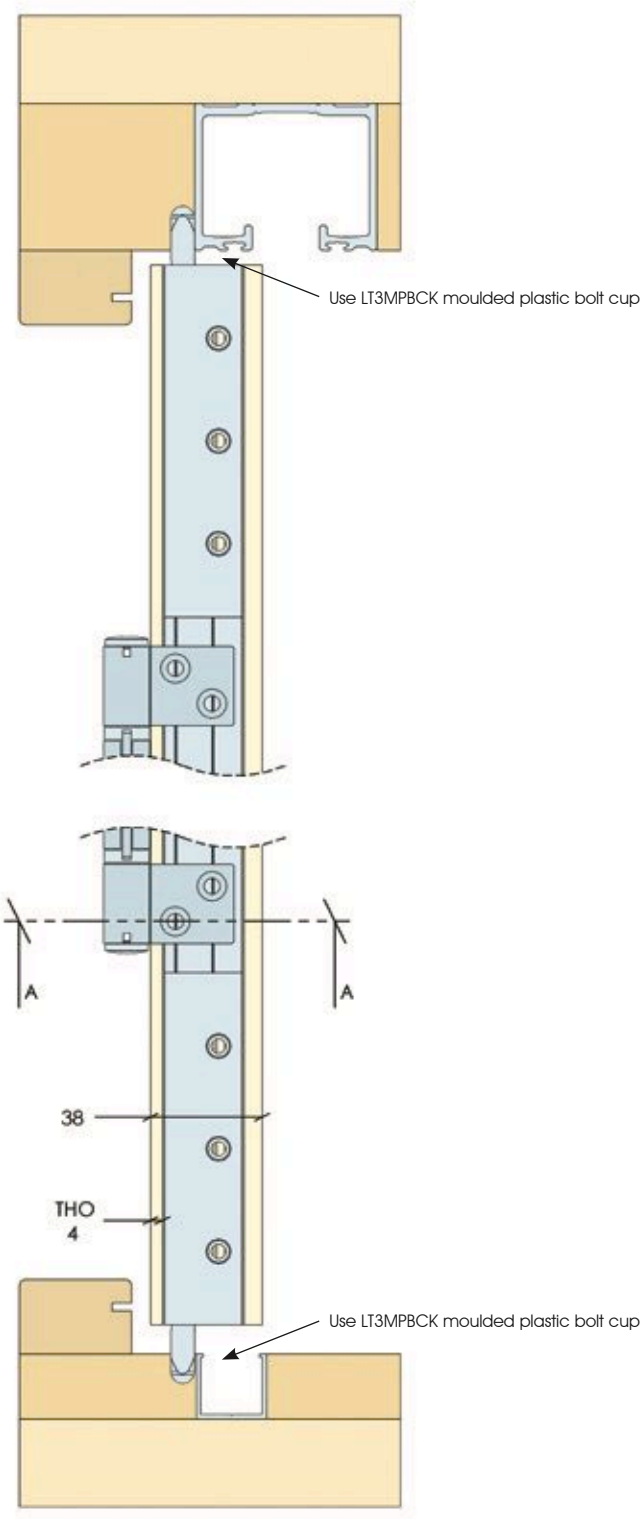
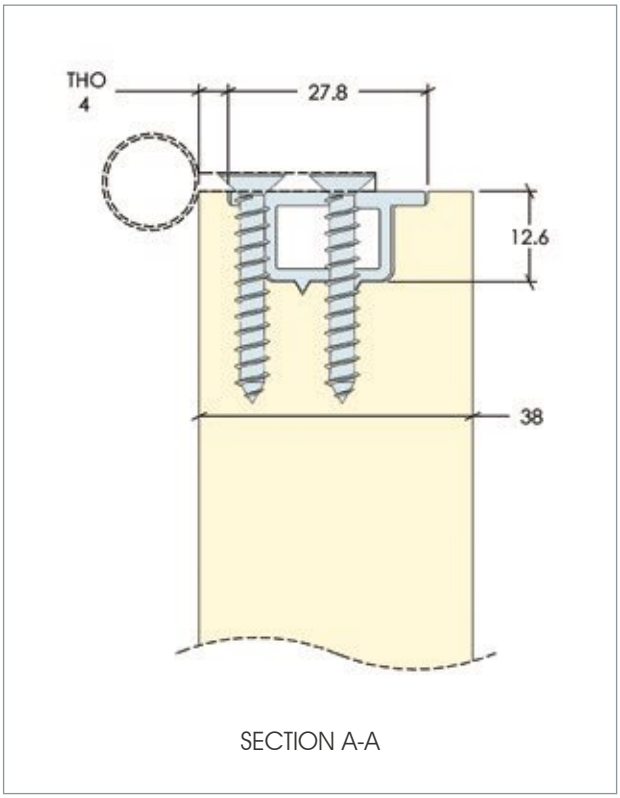
Architectural detail – Centor E3

38mm timber panels shown with E3TA and E22FCR

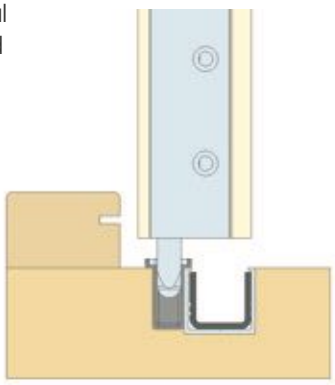




SECTION A-A

Use with LT3 kit

LT3 with typical
E2 concealed



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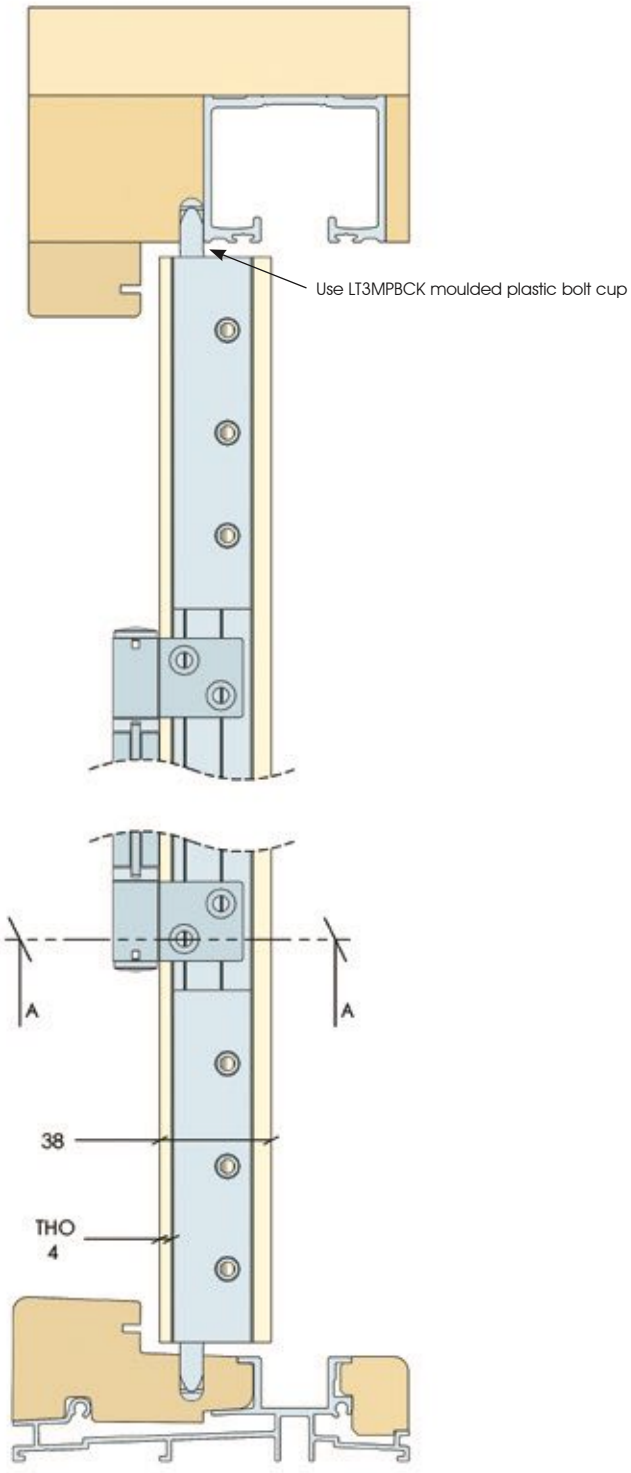
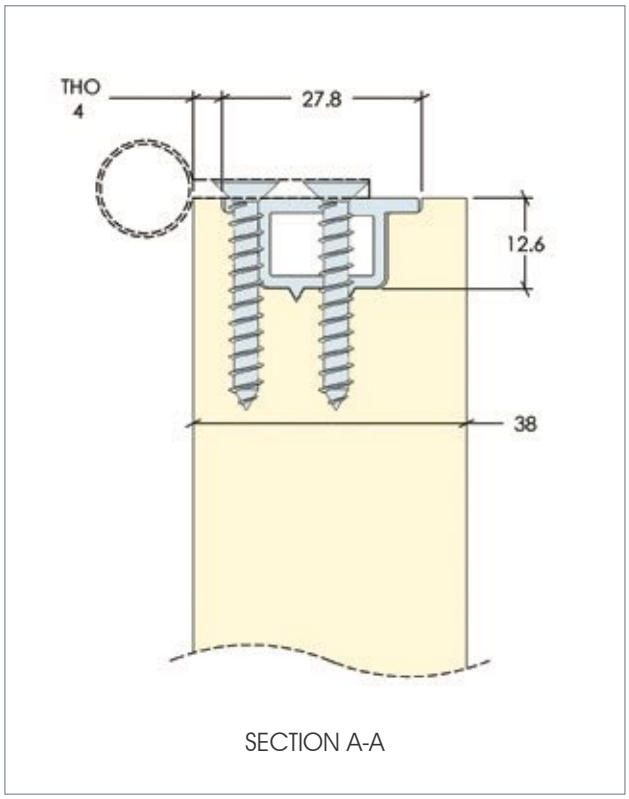
Architectural detail – Centor E3

38mm timber panels shown with E3TA and E2IS





SECTION A-A

Use with LT2 kit

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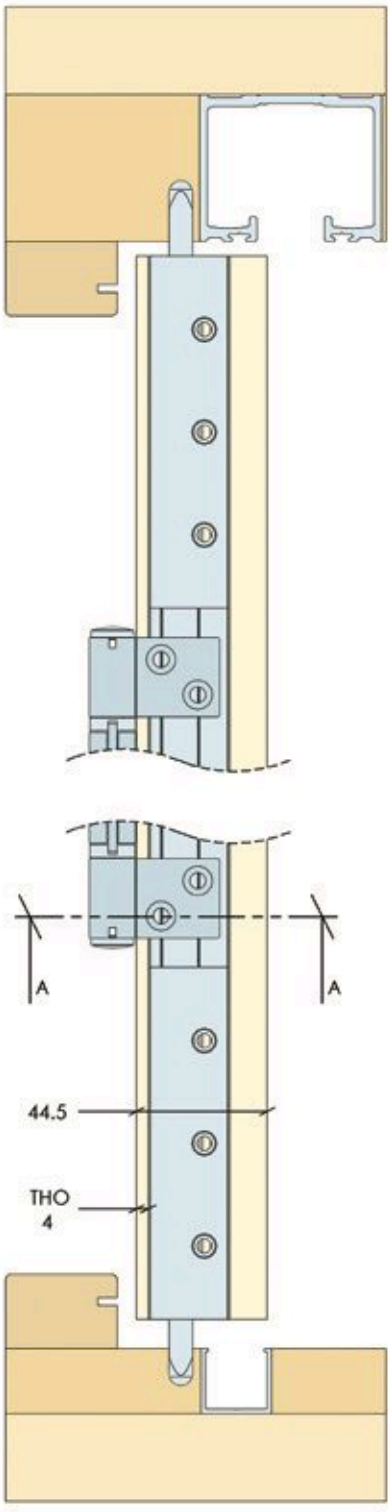
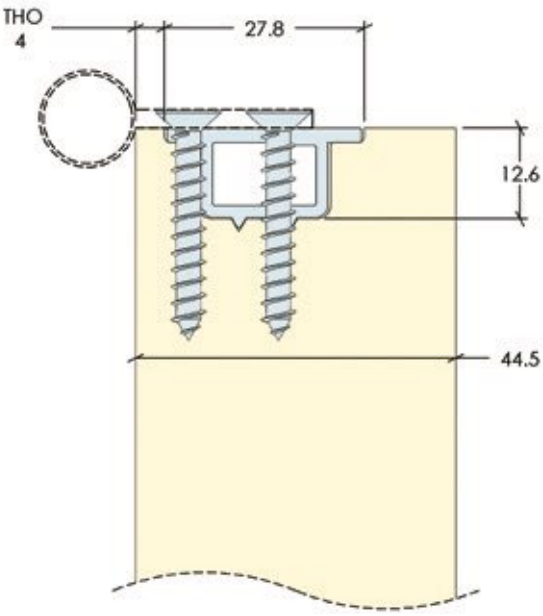
Architectural detail – Centor E3

45mm timber panels shown with E3TA and E22FCR





SECTION A-A

Use with LT2 kit

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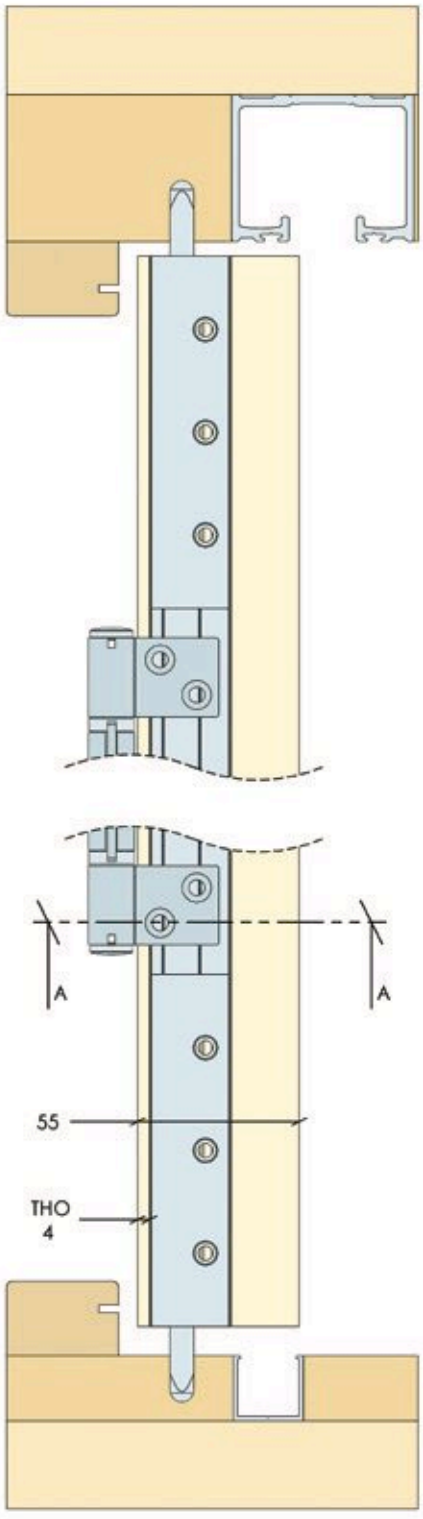
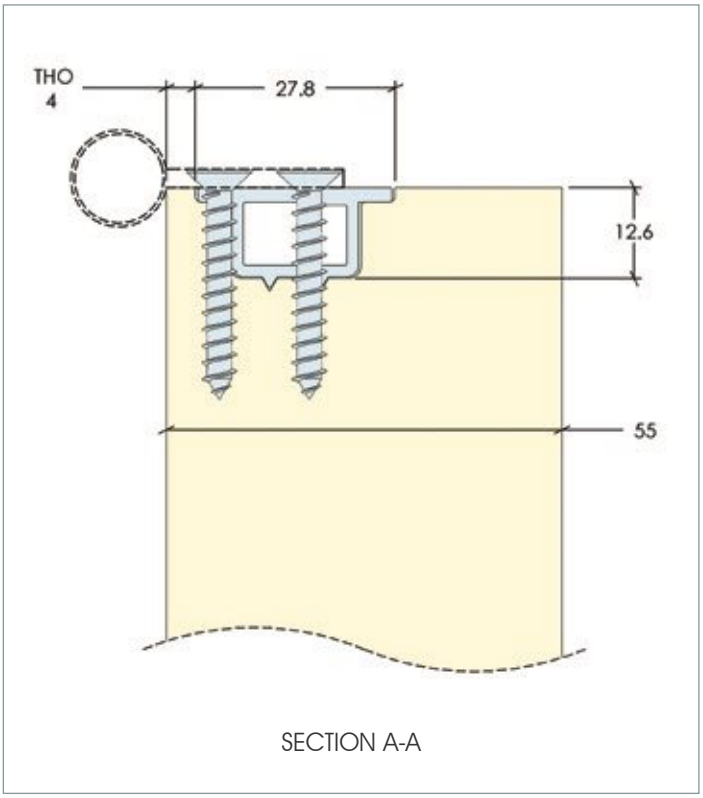
Architectural detail – Centor E3

55mm timber panels shown with E3TA and E22FCR





SECTION A-A

Use with LT2 kit

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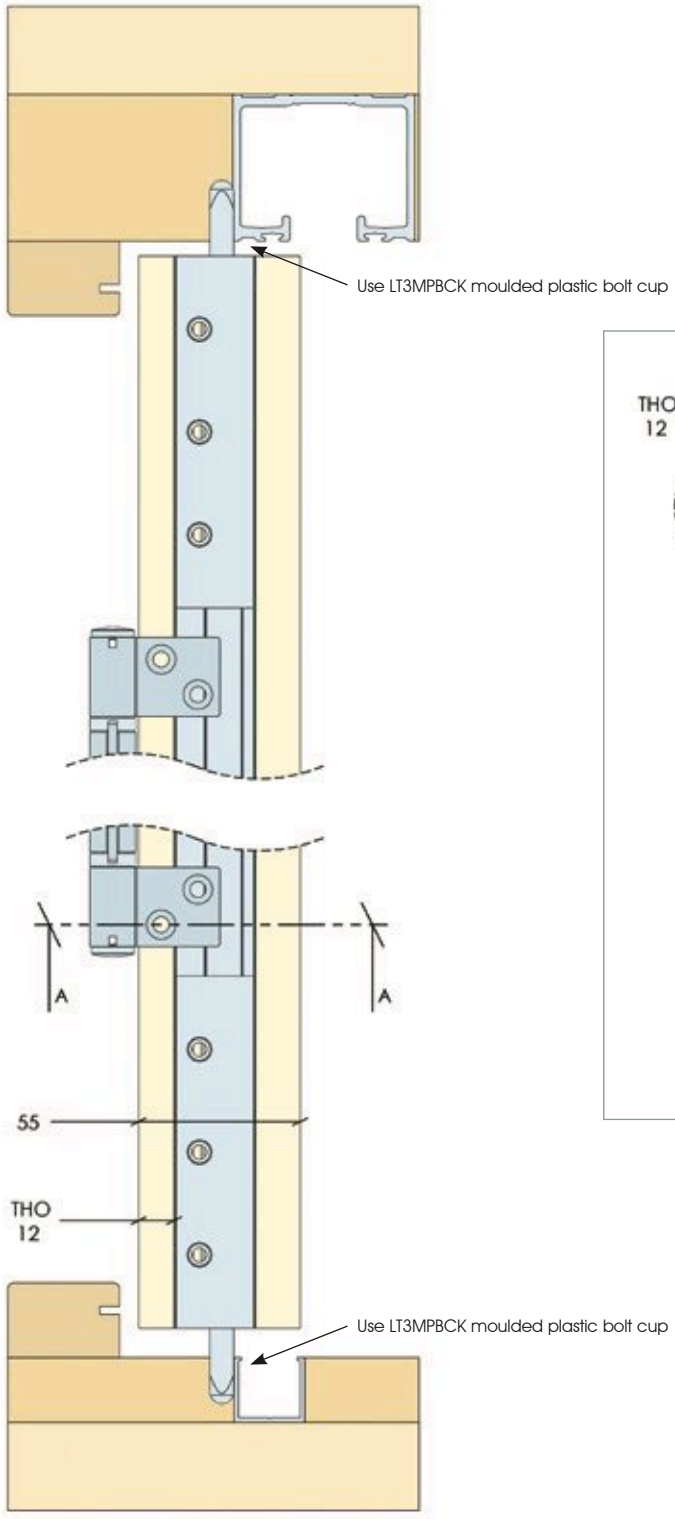
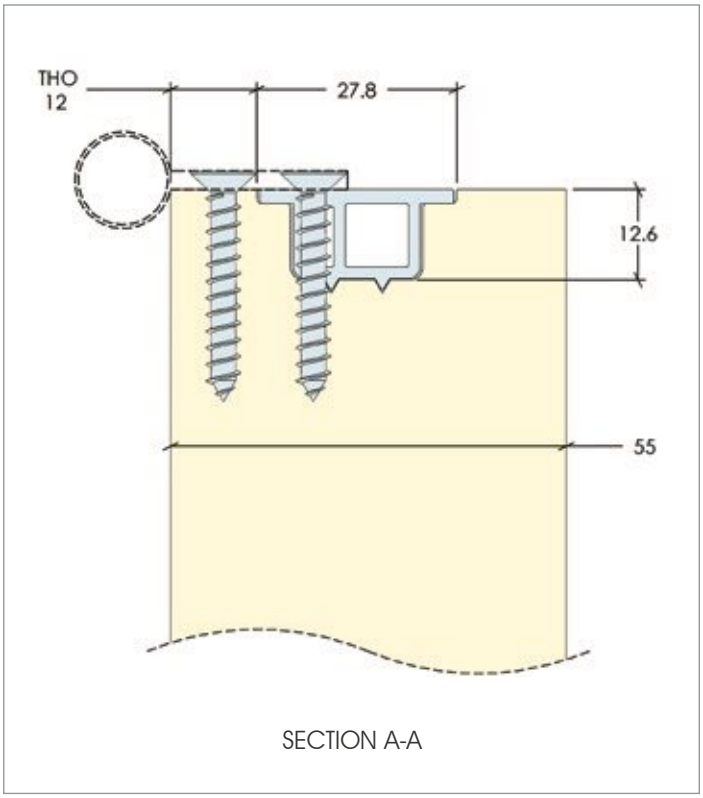
Architectural detail – Centor E3

55mm timber panels shown with E3TA and E22FCR





SECTION A-A

Use with LT2 kit

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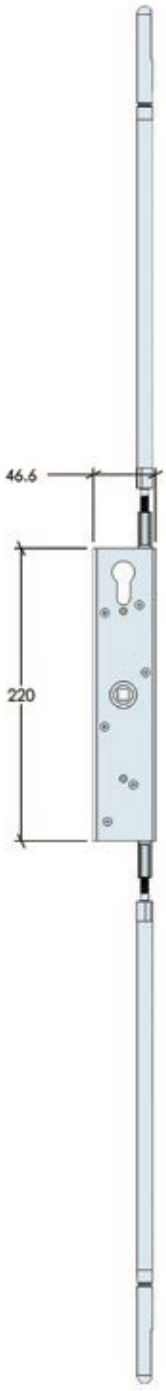
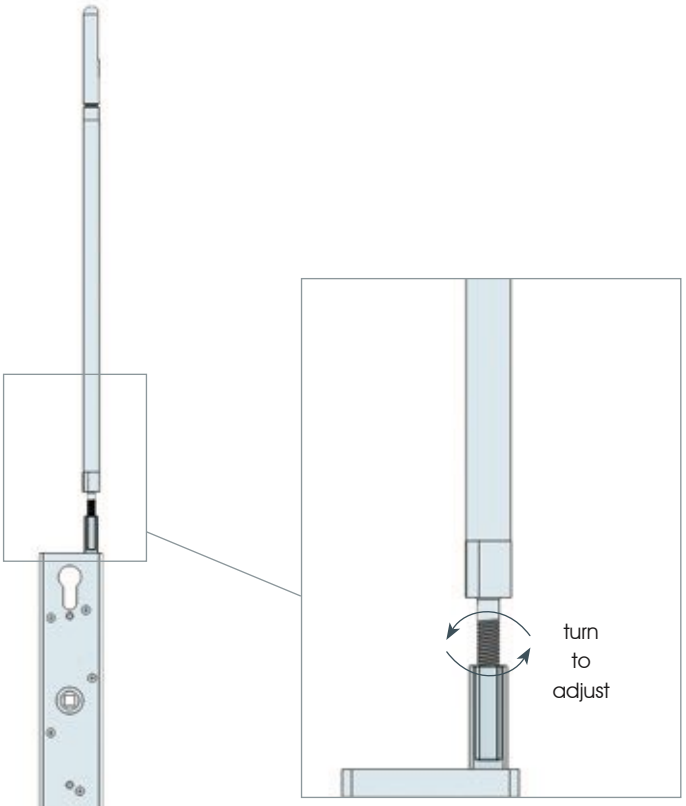
Product details – aluminium panels

For aluminium doors, the door stile will determine how the LA Twinpoint lock is installed. Please contact Centor on 1300 CENTOR (1300 236 867) for further details. See page 7 for door furniture dimensions.





Adjustment detail for aluminium doors only.

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Component selection

The Centor Twinpoint is available for both timber (LT) and aluminium (LA) panels. To construct the Centor Twinpoint, select from the following options:

1. Gearbox – locking or non-locking
2. Transmission rods – max panel height 2100, 2400, 2700, 3000mm or custom handle height
   Anodised finishes – brushed metallic or black
3. Door handle – *stainless steel:* brushed or PVD brass
   aluminium: satin metallic, bronze, white, black or custom powdercoat
4. Cylinder – 3 pin or 5 pin (5 pin supplied by others)
   finishes: brushed nickel or polished brass

Door furniture – stainless steel

PARTS	PRODUCT CODE	DESCRIPTION
	DF4SHKSS	swing handle, keyed, stainless steel
	DF4SHKSTG*	swing handle, keyed, PVD brass
	DF4SHNSS	swing handle, non-keyed, stainless steel
	DF4SHNSTG*	swing handle, non-keyed, PVD brass

* Longer lead times apply. Contact Centor customer servies for details.

Door furniture – aluminium

PARTS	PRODUCT CODE	DESCRIPTION
	DF3SHKAPCN	swing handle, keyed, satin metallic powdercoat
	DF3SHKAQ	swing handle, keyed, bronze powdercoat
	DF3SHKAW	swing handle, keyed, white powdercoat
	DF3SHKAL	swing handle, keyed, black powdercoat
	DF3SHKPC*	swing handle, keyed, custom powdercoat
	DF3SHNAPCN	swing handle, non-keyed, satin metallic powdercoat
	DF3SHNAQ	swing handle, non-keyed, bronze powdercoat
	DF3SHNAW	swing handle, non-keyed, white powdercoat
	DF3SHNAL	swing handle, non-keyed, black powdercoat
	DF3SHNPC*	swing handle, non-keyed, custom powdercoat

* Longer lead times apply. Contact Centor customer servies for details.

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Component selection

Key cylinder – 3 pin

PARTS	PRODUCT CODE	DESCRIPTION
	L1KCEC43PBN L1KCEC43PPB	lock key cylinder Euro C4 3 pin, brushed nickle lock key cylinder Euro C4 3 pin, polished brass

Router bit for timber doors

PARTS	PRODUCT CODE	DESCRIPTION
	LT2RB	router bit

Bolt Cup

PARTS	PRODUCT CODE	DESCRIPTION
	LTBC8SS LTBC8STG LTBC8SOL	8mm blot cup, stainless steel 8mm blot cup, PVD brass 8mm blot cup, PVD bronze

Bolt Cup

PARTS	PRODUCT CODE	DESCRIPTION
	LT3MPBCK	moulded plastic bolt cup kit for LT3

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Component selection

LT Twinpoint lock for timber doors – gearbox and transmission rods

Gearbox

PARTS	PRODUCT CODE	DESCRIPTION
for timber doors	LT2KS	gearbox to suit timber doors, keyed, stainless steel
	LT2NS	gearbox to suit timber doors, non-keyed, stainless steel

Transmission rods, keked – LT2

PARTS	PRODUCT CODE	DESCRIPTION
for timber doors	LT2TRSK1021X	transmission rod set, keyed, 1020mm handle height, 2100mm panel height, brushed metallic
	LT2TRSK1021Y	transmission rod set, keyed, 1020mm handle height, 2100mm panel height, black anodised
	LT2TRSK1024X	transmission rod set, keyed, 1020mm handle height, 2400mm panel height, brushed metallic
	LT2TRSK1024Y	transmission rod set, keyed, 1020mm handle height, 2400mm panel height, black anodised
	LT2TRSK1027X	transmission rod set, keyed, 1020mm handle height, 2700mm panel height, brushed metallic
	LT2TRSK1027Y	transmission rod set, keyed, 1020mm handle height, 2700mm panel height, black anodised
	LT2TRSK1030X	transmission rod set, keyed, 1020mm handle height, 3000mm panel height, brushed metallic
	LT2TRSK1030Y	transmission rod set, keyed, 1020mm handle height, 3000mm panel height, black anodised
	LT2TRSKCX	transmission rod set, keyed, custom handle height, brushed metallic
	LT2TRSKCY	transmission rod set, keyed, custom handle height, black anodised

Transmission rods, non-keyed – LT2

PARTS	PRODUCT CODE	DESCRIPTION
for timber doors	LT2TRSN1030X	transmission rod set, non-keyed, 1020mm handle height, 3000mm panel height, brushed metallic
	LT2TRSN1030Y	transmission rod set, non-keyed, 1020mm handle height, 3000mm panel height, black anodised
	LT2TRSNCX	transmission rod set, non-keyed, custom handle height, brushed metallic
	LT2TRSNCY	transmission rod set, non-keyed, custom handle height, black anodised

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Component selection

LT Twinpoint lock for timber doors – transmission rods

Transmission rods, keyed – LT3

PARTS	PRODUCT CODE	DESCRIPTION
for timber doors	LT3TRSK1021X	offset transmission rod set, keyed, 1020mm handle height, 2100mm panel, brushed metallic
	LT3TRSK1021Y	offset transmission rod set, keyed, 1020mm handle height, 2100mm panel, black anodised
	LT3TRSK1024X	offset transmission rod set, keyed, 1020mm handle height, 2400mm panel, brushed metallic
	LT3TRSK1024Y	offset transmission rod set, keyed, 1020mm handle height, 2400mm panel, black anodised
	LT3TRSK1027X	offset transmission rod set, keyed, 1020mm handle height, 2700mm panel, brushed metallic
	LT3TRSK1027Y	offset transmission rod set, keyed, 1020mm handle height, 2700mm panel, black anodised
	LT3TRSK1030X	offset transmission rod set, keyed, 1020mm handle height, 3000mm panel, brushed metallic
	LT3TRSK1030Y	offset transmission rod set, keyed, 1020mm handle height, 3000mm panel, black anodised
	LT3TRSKCX	offset transmission rod set, keyed, custom handle height, brushed metallic
	LT3TRSKCY	offset transmission rod set, keyed, custom handle height, black anodised

Transmission rods, non-keyed – LT3

PARTS	PRODUCT CODE	DESCRIPTION
for timber doors	LT3TRSN1030X	offset transmission rod set, non-keyed, 1020mm handle height, 3000mm panel, brushed metallic
	LT3TRSN1030Y	offset transmission rod set, non-keyed, 1020mm handle height, 3000mm panel, black anodised
	LT3TRSNCX	offset transmission rod set, non-keyed, custom handle height, brushed metallic
	LT3TRSNCY	offset transmission rod set, non-keyed, custom handle height, black anodised

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Component selection

LA Twinpoint lock for aluminium doors – gearbox and transmission rods

Gearbox

PARTS	PRODUCT CODE	DESCRIPTION
for aluminium doors	LA1KS	gearbox for aluminium doors, keyed, stainless steel
	LA1NS	gearbox for aluminium doors, non-keyed, stainless steel

Transmission rods – keyed or non-keyed

PARTS	PRODUCT CODE	DESCRIPTION
for aluminium doors	LA1TRS1021	transmission rod set, 1020mm handle height, 2150mm panel height
	LA1TRS1024	transmission rod set, 1020mm handle height, 2450mm panel height
	LA1TRS1027	transmission rod set, 1020mm handle height, 2750mm panel height
	LA1TRS1030	transmission rod set, 1020mm handle height, 3050mm panel height
	LA1TRSC	transmission rod set, custom handle height

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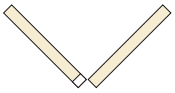
Common panel layouts with Twinpoint lock

HARDWARE LEGEND

PS	pivot set	**HHS**	half offset hinge set
WPS	wall pivot set	**HS**	hinge set (flat)
ICS	intermediate carrier set	**EH**	external handle
LCS	left carrier set	**TL**	twinpoint lock
RCS	right carrier set		

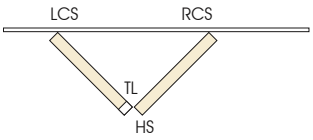
LEGEND

Twinpoint Lock



Note > Wall Pivot Set recommended for doors over 1500mm high and required for doors over 2250mm.

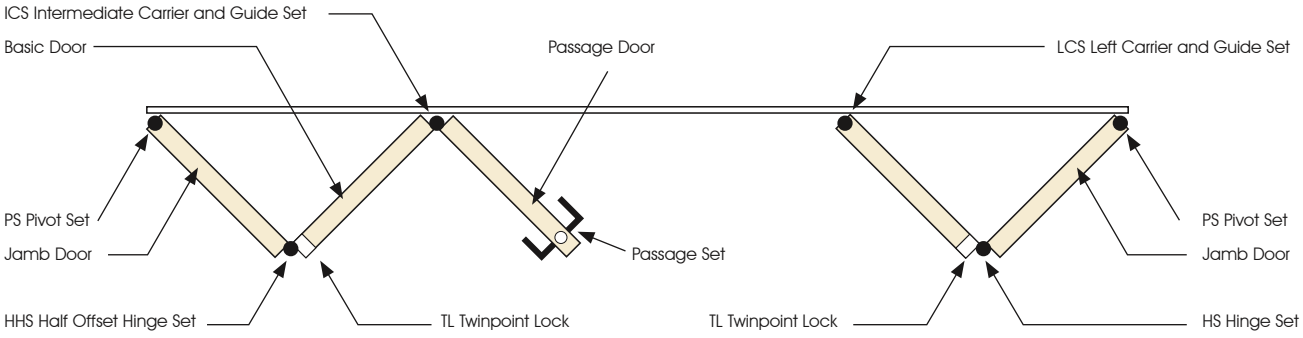
FLOATING DOOR PAIRS



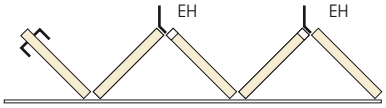
Per pair of doors

1 x left carrier set
1 x right carrier set
1 x hinge set
1 x twinpoint lock

HARDWARE APPLICATION (3L2R)



INWARD APPLICATION EXTERIOR HANDLE OPTION



Use one exterior handle on each pair of doors (inward system) to pull open and close doors

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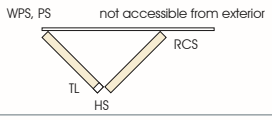
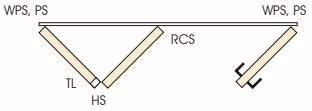
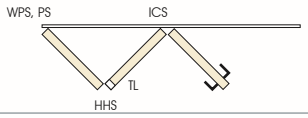
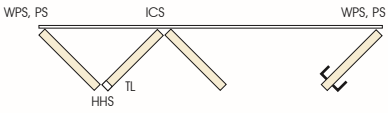
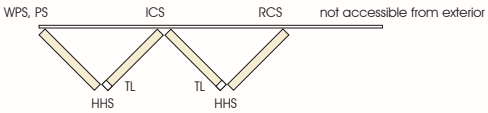
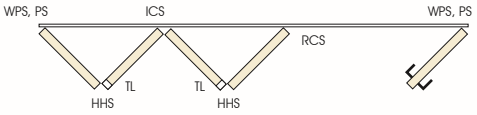
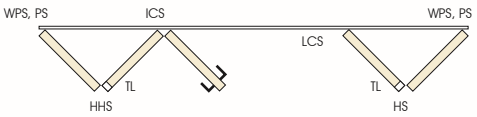
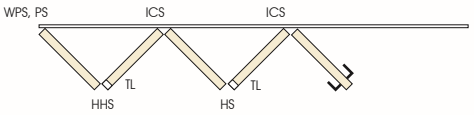
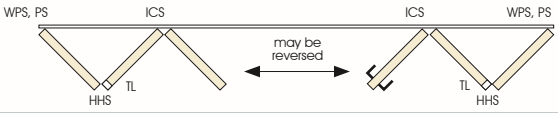
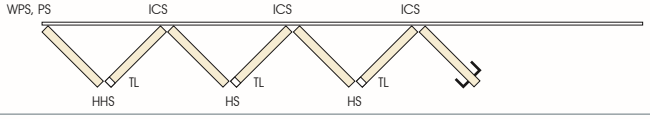
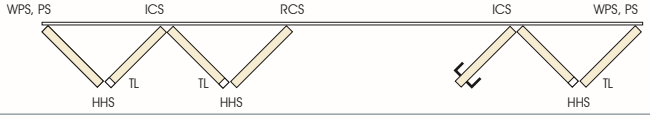
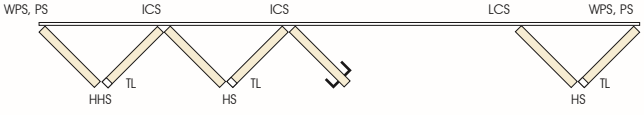
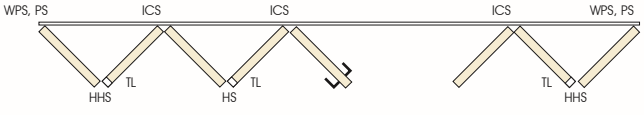
Common panel layouts

Any panel combination up to 8 in each direction is possible

CODE	OPENING CONFIGURATION	HARDWARE
2L		1 x pivot set (PS) 1 x wall pivot set* (WPS) 1 x right carrier set (RCS) 1 x hinge set (HS) 1 x twinpoint lock (TL)
2L1R		2 x pivot set (PS) 2 x wall pivot set* (WPS) 1 x right carrier set (RCS) 1 x hinge set (HS) 1 x twinpoint lock (TL)
3L		1 x pivot set (PS) 1 x wall pivot set* (WPS) 1 x intermediate carrier set (ICS) 1 x half offset hinge set (HHS) 1 x twinpoint lock (TL)
3L1R		2 x pivot set (PS) 2 x wall pivot set* (WPS) 1 x intermediate carrier set (ICS) 1 x half offset hinge set (HHS) 1 x twinpoint lock (TL)
4L		1 x pivot set (PS) 1 x wall pivot set* (WPS) 1 x intermediate carrier set (ICS) 1 x right carrier set (RCS) 2 x half offset hinge set (HHS) 2 x twinpoint lock (TL)
4L1R		2 x pivot set (PS) 2 x wall pivot set* (WPS) 1 x intermediate carrier set (ICS) 1 x right carrier set (RCS) 2 x half offset hinge set 2 x twinpoint lock (TL)
3L2R		2 x pivot set (PS) 2 x wall pivot set* (WPS) 1 x intermediate carrier set (ICS) 1 x left carrier set 1 x hinge set (HS) 1 x half offset hinge set (HHS) 2 x twinpoint lock (TL)
5L		1 x pivot set (PS) 1 x wall pivot set* (WPS) 2 x intermediate carrier set (ICS) 1 x hinge set (HS) 1 x half offset hinge set (HHS) 2 x twinpoint lock (TL)
3L3R		2 x pivot set (PS) 2 x wall pivot set* (WPS) 2 x intermediate carrier set (ICS) 2 x half offset hinge set (HHS) 2 x twinpoint lock (TL)
7L		1 x pivot set (PS) 1 x wall pivot set* (WPS) 3 x intermediate carrier set (ICS) 2 x hinge set (HS) 1 x half offset hinge set (HHS) 3 x twinpoint lock (TL)
4L3R		2 x pivot set (PS) 2 x wall pivot set* (WPS) 2 x intermediate carrier set (ICS) 1 x right carrier set (RCS) 3 x half offset hinge set (HHS) 3 x twinpoint lock (TL)
5L2R		2 x pivot set (PS) 2 x wall pivot set* (WPS) 2 x intermediate carrier set (ICS) 1 x left carrier set 2 x hinge set (HS) 1 x half offset hinge set (HHS) 3 x twinpoint lock (TL)
5L3R		2 x pivot set (PS) 2 x wall pivot set* (WPS) 3 x intermediate carrier set (ICS) 1 x hinge set (HS) 2 x half offset hinge set (HHS) 3 x twinpoint lock (TL)

* Wall Pivot Set recommended for doors over 2250mm

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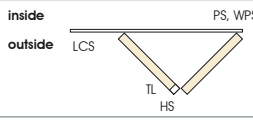
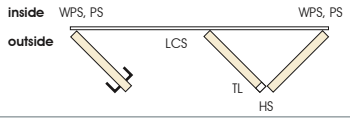
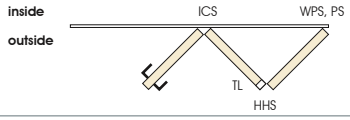
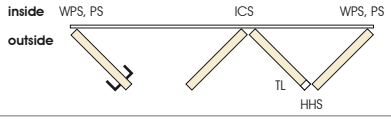
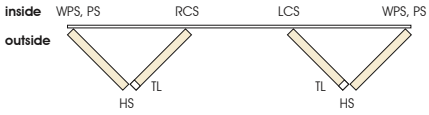
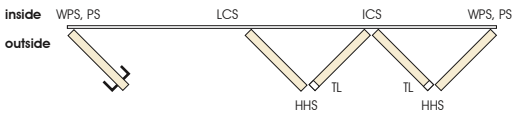
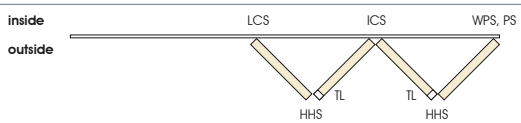
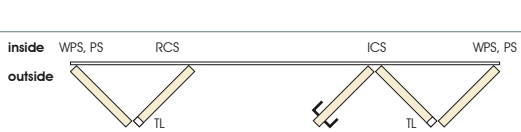
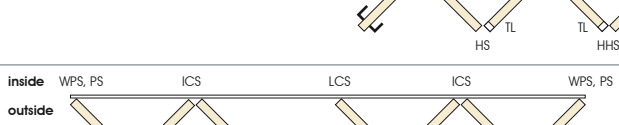
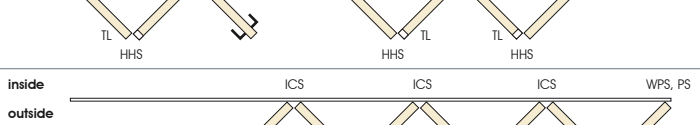
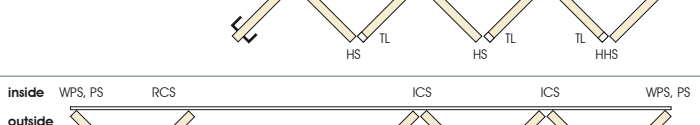
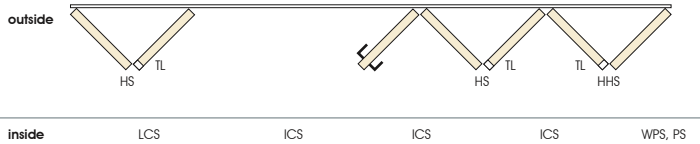
Common panel layouts

Any panel combination up to 8 in each direction is possible

CODE	OPENING CONFIGURATION	HARDWARE
2R		1 x pivot set (PS) 1 x wall pivot set* (WPS) 1 x left carrier set (LCS) 1 x hinge set (HS) 1 x twinpoint lock (TL)
1L2R		2 x pivot set (PS) 2 x wall pivot set* (WPS) 1 x left carrier set (LCS) 1 x hinge set (HS) 1 x twinpoint lock (TL)
3R		1 x pivot set (PS) 1 x wall pivot set* (WPS) 1 x intermediate carrier set (ICS) 1 x half offset hinge set (HHS) 1 x twinpoint lock (TL)
1L3R		2 x pivot set (PS) 1 x wall pivot set* (WPS) 1 x intermediate carrier set (ICS) 1 x half offset hinge set (HHS) 1 x twinpoint lock (TL)
2L2R		2 x pivot set (PS) 2 x wall pivot set* (WPS) 1 x right carrier set (RCS) 1 x left carrier set (LCS) 2 x hinge set (HS) 2 x twinpoint lock (TL)
1L4R		2 x pivot set (PS) 2 x wall pivot set* (WPS) 1 x intermediate carrier set (ICS) 1 x left carrier set (LCS) 2 x half offset hinge set (HHS) 2 x twinpoint lock (TL)
4R		1 x pivot set (PS) 1 x wall pivot set* (WPS) 1 x intermediate carrier set (ICS) 1 x left carrier set (LCS) 2 x half offset hinge set (HHS) 2 x twinpoint lock (TL)
2L3R		2 x pivot set (PS) 2 x wall pivot set* (WPS) 1 x intermediate carrier set (ICS) 1 x right carrier set (RCS) 1 x hinge set (HS) 1 x half offset hinge set (HHS) 2 x twinpoint lock (TL)
5R		1 x pivot set (PS) 1 x wall pivot set* (WPS) 2 x intermediate carrier set (ICS) 1 x hinge set (HS) 1 x half offset hinge set (HHS) 2 x twinpoint lock (TL)
3L4R		2 x pivot set (PS) 2 x wall pivot set* (WPS) 2 x intermediate carrier set (ICS) 1 x left carrier set (LCS) 3 x half offset hinge set (HHS) 3 x twinpoint lock (TL)
7R		1 x pivot set (PS) 1 x wall pivot set* (WPS) 3 x intermediate carrier set (ICS) 2 x hinge set (HS) 1 x half offset hinge set (HHS) 3 x twinpoint lock (TL)
2L5R		2 x pivot set (PS) 2 x wall pivot set* (WPS) 2 x intermediate carrier set (ICS) 1 x right carrier set (RCS) 2 x hinge set (HS) 1 x half offset hinge set (HHS) 3 x twinpoint lock (TL)
8R		1 x pivot set (PS) 1 x wall pivot set* (WPS) 3 x intermediate carrier set (ICS) 1 x left carrier set (LCS) 2 x hinge set (HS) 2 x half offset hinge set (HHS) 4 x twinpoint lock (TL)

* Wall Pivot Set recommended for doors over 2250mm

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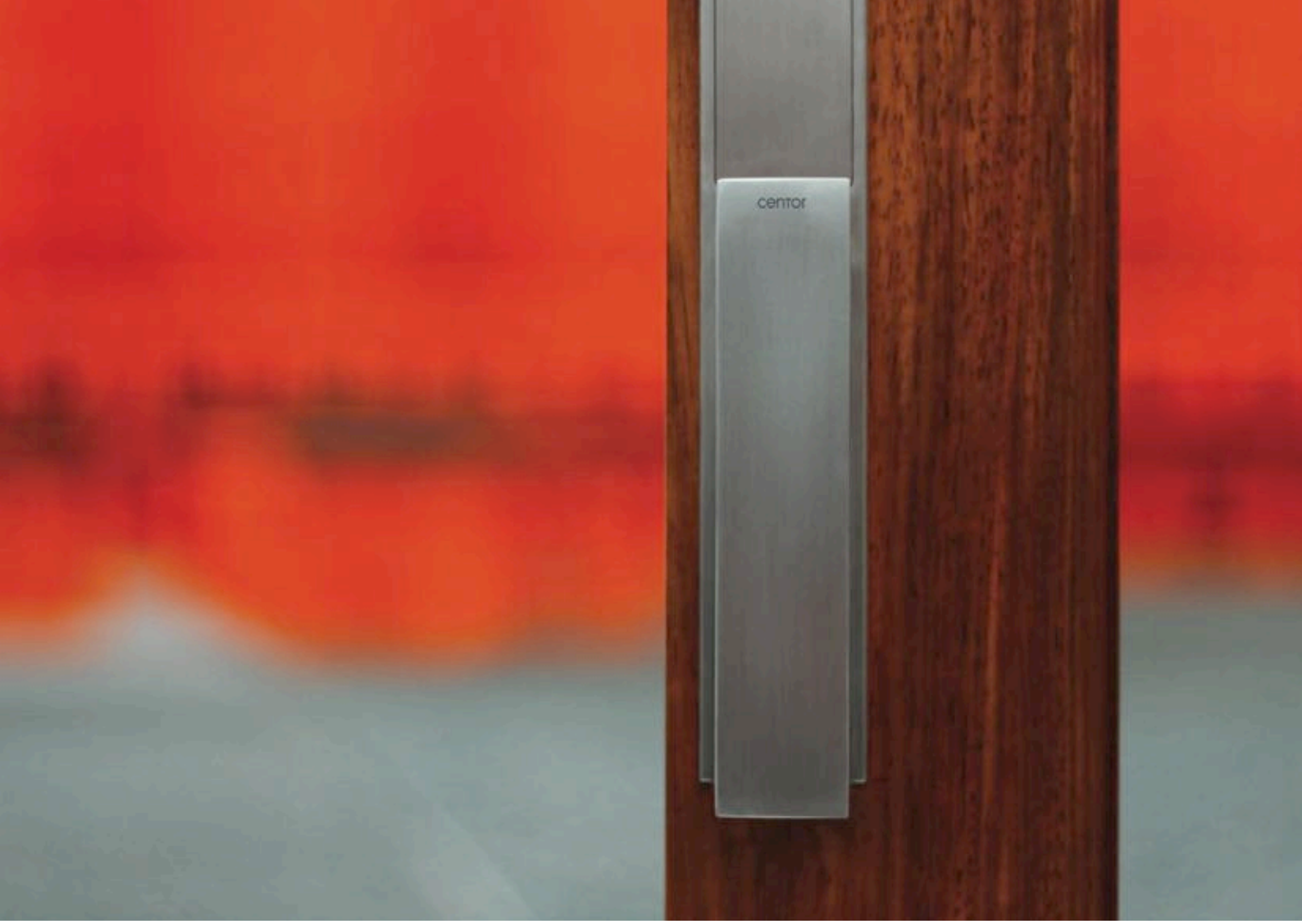

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