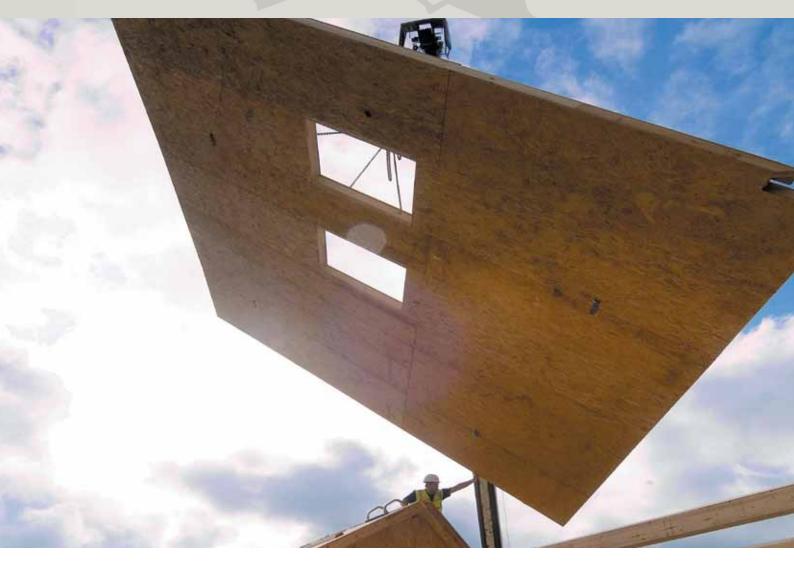
Engineered Timber Systems





# Kingspan TEK Building System

STANDARD DETAILS FOR 172 MM STRUCTURAL INSULATED PANELS







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#### Miscellaneous Details

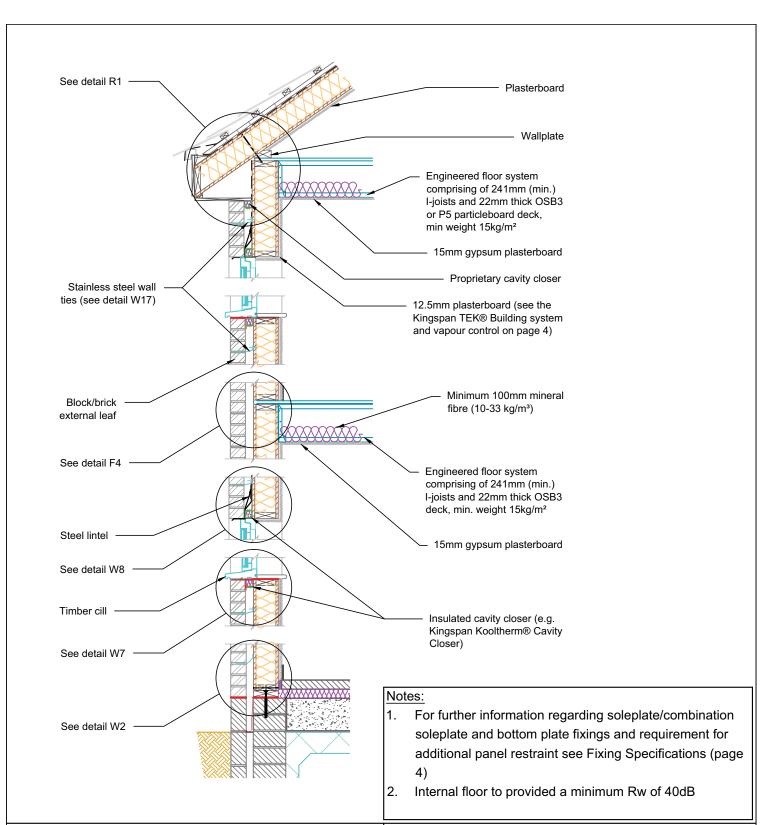
- M1 Standard fixings sparrennägel, smooth, ringshank nails & SIP screw.
- M2 Standard fixings hangers & brackets.
- M3 Wall mounted services detail electrical.
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NB These details offer general guidance and are not exhaustive, they have been compiled based on best practice and current information at the time of going to press. Please confirm these details are the current edition at the point of need by contacting the Kingspan TEK® Technical Service Department (see rear cover). The use of these details and their application remain the responsibility of the principal designer who should at all times verify their suitability, accuracy and likely performance with respect to their intended usage. Accordingly, Kingspan Insulation Ltd accepts no liability for any errors, omissions or claims arising from their use. For further advice on the application of these details, please contact the Kingspan TEK® Technical Service Department (see rear cover).

## Fixing Specifications

Application	Fastener Type	Spacing
Fixing soleplate or combined soleplate and bottomplate	Specification should be in accordance with project structural engineers' recommendations based upon geography and project foundation substructure	As per project structural engineers' recommendations
Panel straps to substructure / foundations	Specifications should be in accordance with project structural engineers' recommendations based upon geography and project foundation substructure	As per project structural engineers' recommendations
Fixing 50 mm x 110 mm bottomplates to soleplates	3.1 mm x 90 mm galvanized ring-shank nails	200 mm centres in two staggered rows
Fixing 15 mm x 100 mm OSB3 splines into Kingspan <b>TEK®</b> Building System panels	2.8 mm x 63 mm galvanized ring-shank nails	100 mm centres both sides of the panel
Fixing 50 mm x 110 mm bottomplates, headplates, end timbers, edge timbers into <i>Kingspan</i> <b>TEK®</b> Building System panels	2.8 mm x 63 mm galvanized ring-shank nails	50 mm centres both sides of the panel
Fixing 100 mm x 110 mm timber posts into Kingspan <b>TEK®</b> Building System panels	2.8 mm x 63 mm galvanized ring-shank nails	50 mm centres both sides of the panel
Fixing 110 mm x 150 mm bevelled headplate to <i>Kingspan</i> <b>TEK</b> ® Building System panels	2.8 mm x 63 mm galvanized ring-shank nails	50 mm centres both sides of the panel
Fixing Kingspan <b>TEK</b> ® Building System wall panels at corner joints	4.8 mm x 225 mm FastenMaster Headlok	Typically 350 mm centres for FastenMaster Headlok screws
Fixing Kingspan <b>TEK®</b> Building System roof sections at wall/floor junctions, ridge beams, intermediate purlins and gable walls	4.8 mm x 225 mm FastenMaster Headlok	Typically 350 mm centres for FastenMaster Headlok screws
Fixing joist hangers to headplate or laminated beams (fixings may vary depending on specification of joist hanger – please refer to manufacturers' instructions floor system)	3.75 mm x 32 mm square twist shank nails or Simpson N10 nails	Into side and top of headplate in locations marked out
Fixing I-beams / joist to joist hanger (fasteners may vary depending on specification of joist hanger – please refer to manufacturers' instructions floor system)	3.75 mm x 32 mm square twist shank nails or Simpson N10 nails	In pre-drilled holes for bottom flange
Fixing OSB3 / P5 floor decking to joists / headplate or header joist	2.8 mm x 63 mm galvanized ring-shank nails	Maximum 200 mm centres
Fixing rim board to headplate	Skew nail 3.75 mm x 75 mm round wire nails	150 mm
Fixing OSB3 / P5 floor decking to joists / rimboard	3.35 mm x 65 mm round wire nails	200 mm
Fixing brickwork cavity wall ties to Kingspan <b>TEK</b> ® Building System wall panels	BTS 50 SCR tie / screw kits (Simpson Strong-Tie BTS 50 & ABC Spax 30 mm x 4.0 mm stainless steel flange head)	Varies with the geographical location of the building. Follow wall tie manufacturer's recommendations.
Fixing treated timber counter battens to Kingspan <b>TEK</b> ® Building System wall / roof panels for ventilation	ABC Spax 5 mm x 60 mm or EJOT M5 70 mm stainless steel screws or equivalent (to penetrate through 15 mm OSB/3 face)	Typically 300 mm centres. For further guidance follow project structural engineers' recommendations

NB. Contact Kingspan TEK® Technical Services Department for further information. Heads of nail fixings should be flush with the surface of the OSB3 / P5 facing.





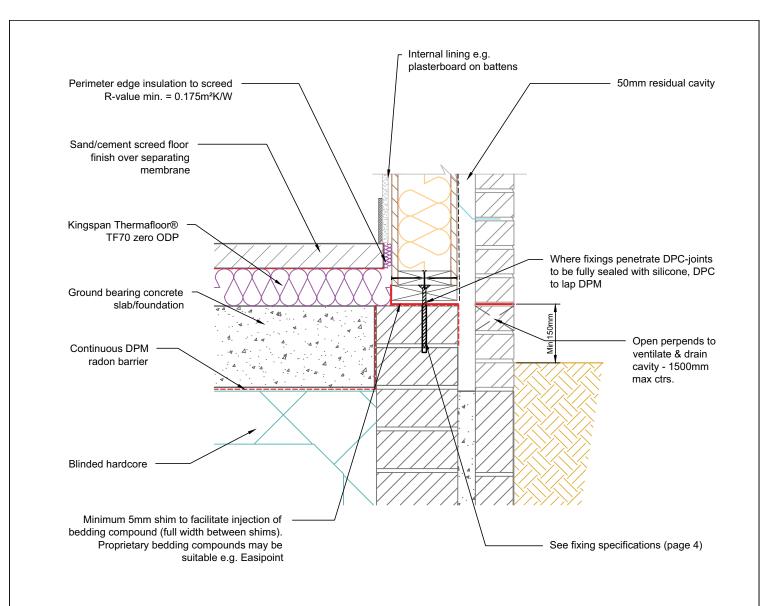
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# Typical Wall Section TEK 172

**KIL-W1-TEK-172** 

Drawn by: H.E. Scale: 1:25



- 1. For further information regarding soleplate/combination soleplate and bottom plate fixings and requirement for additional panel restraint see Fixing Specifications (page 4)
- 2. Slab should be levelled and shimmed along line of walls to create a level platform for wall construction.



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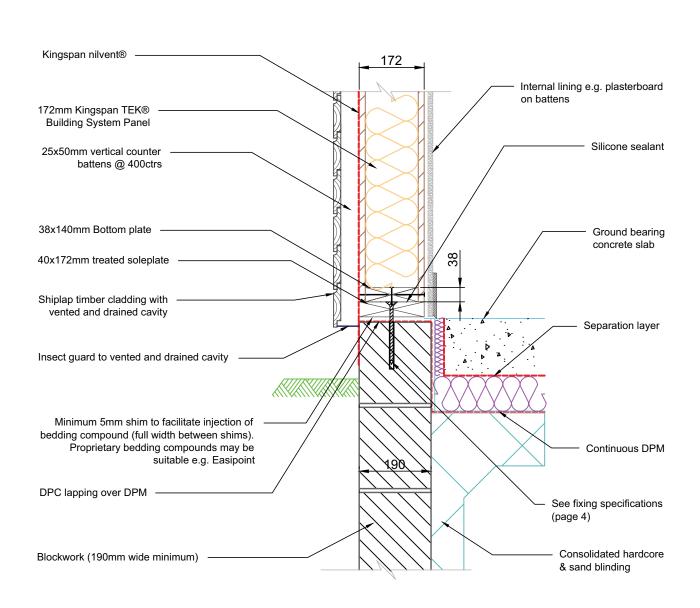
Sectional Elevation through soleplate fixing detail.

Ground bearing slab.

**TEK 172** 

KIL-W2A-TEK-172

Date: 24/09/14		ſw/_	
Drawn by: H.E.	Scale: 1:10	VV	



I. For further information regarding soleplate/combination soleplate and bottom plate fixings and requirement for additional panel restraint see Fixing Specifications (page 4)



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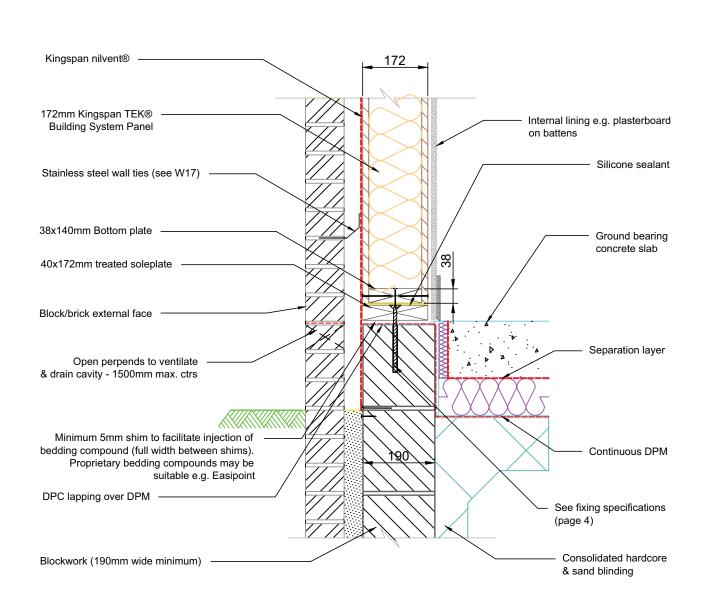
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Typical ground bearing floor slab detail with ventilated cladding.

**TEK 172** 

KIL-W2B-TEK-172

Date: 24/09/14		ſw/L	
Drawn by: H.E.	Scale: 1:10		



I. For further information regarding soleplate/combination soleplate and bottom plate fixings and requirement for additional panel restraint see Fixing Specifications (page 4)



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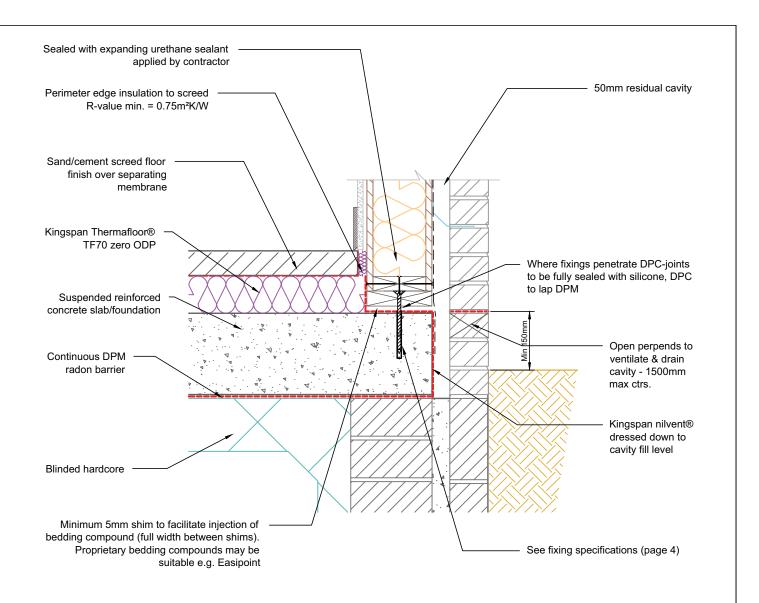
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Typical ground bearing floor slab detail with blockwork wall.

**TEK 172** 

KIL-W2C-TEK-172

Date: 08/1	0/14		
Drawn by: H.E.	Scale: 1:10	(20)	



- 1. For further information regarding soleplate/combination soleplate and bottom plate fixings and requirement for additional panel restraint see Fixing Specifications (page 4)
- 2. Slab should be leveled and shimmed along line of walls to create a level platform for wall construction.



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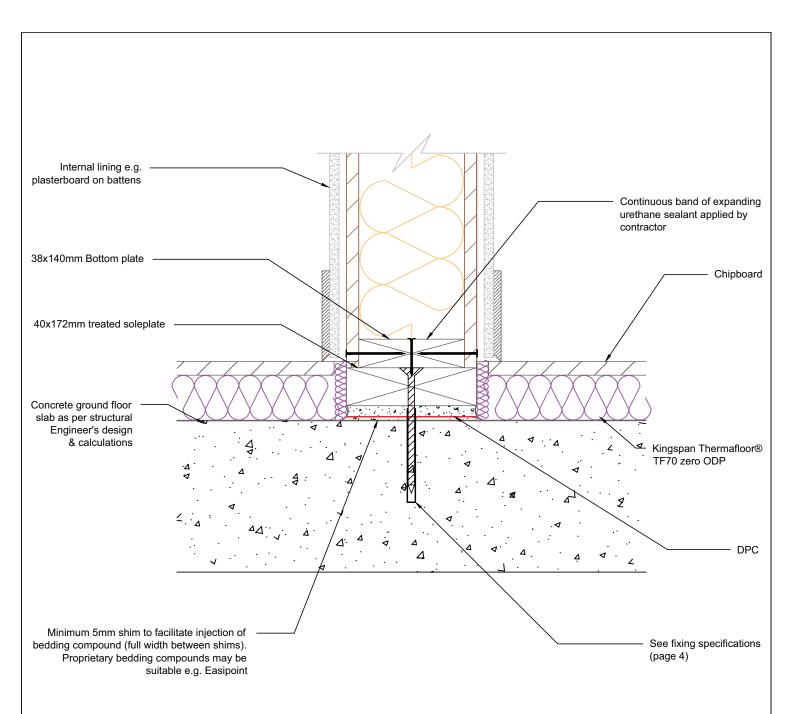
Sectional Elevation through soleplate fixing detail.

Suspended reinforced concrete slab.

**TEK 172** 

KIL-W3A-TEK-172

Date: 24/09/14		ſw/_		
Drawn by: H.E.	Scale: 1:10	VV	(SA)	



- 1. For further information regarding soleplate/combination soleplate and bottom plate fixings and requirement for additional panel restraint see Fixing Specifications (page 4)
- 2. Slab should be levelled and shimmed along line of walls to create level platform for wall construction.



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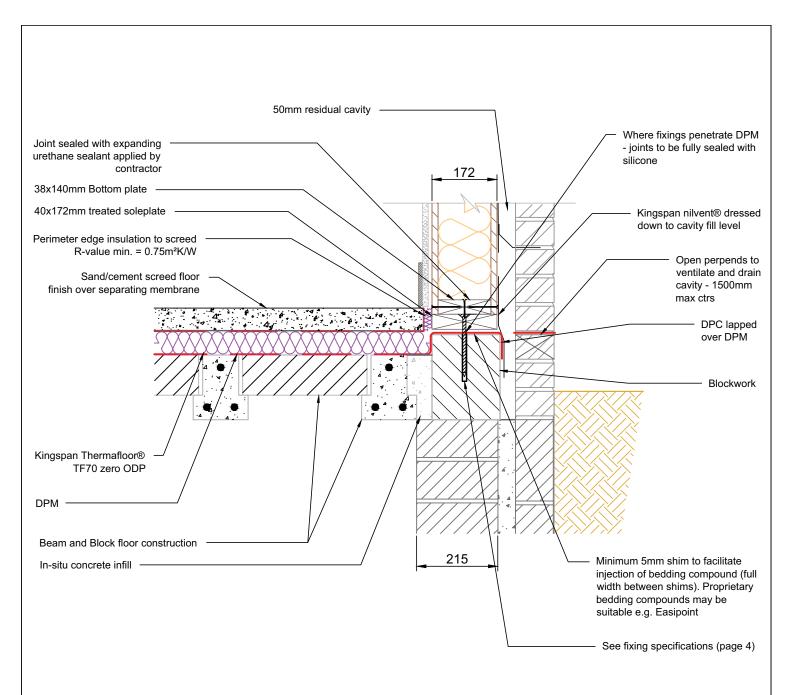
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Sectional elevation through wall junction with ground floor slab.

**TEK 172** 

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Drawn by: H.E.	Scale: 1:5	VV	35)	



I. For further information regarding soleplate/combination soleplate and bottom plate fixings and requirement for additional panel restraint see Fixing Specifications (page 4)



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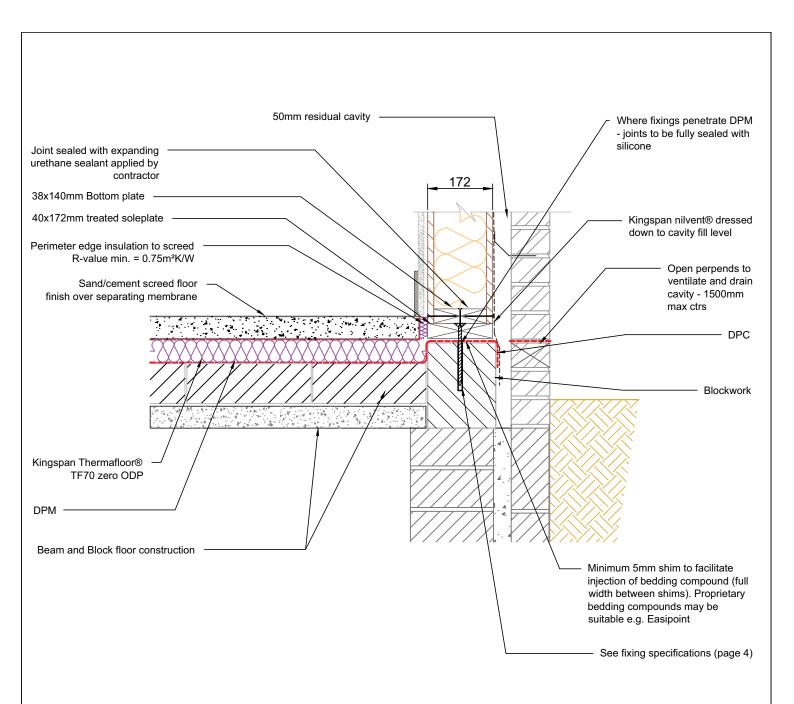
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Sectional elevation through beam and block floor

**TEK 172** 

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I. For further information regarding soleplate/combination soleplate and bottom plate fixings and requirement for additional panel restraint see Fixing Specifications (page 4)



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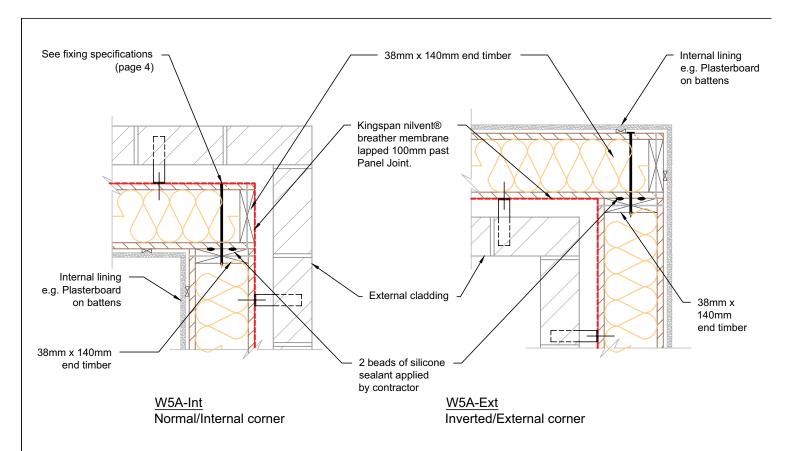
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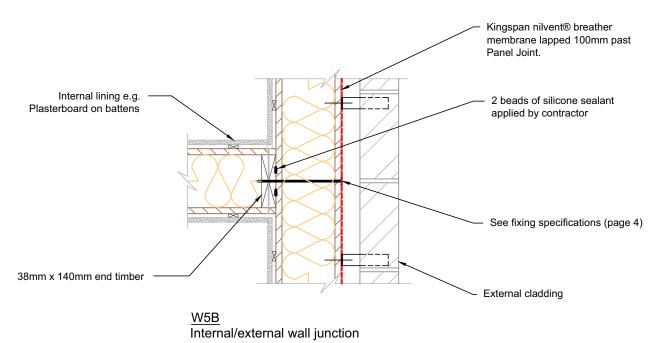
Sectional elevation through beam and block floor support

**TEK 172** 

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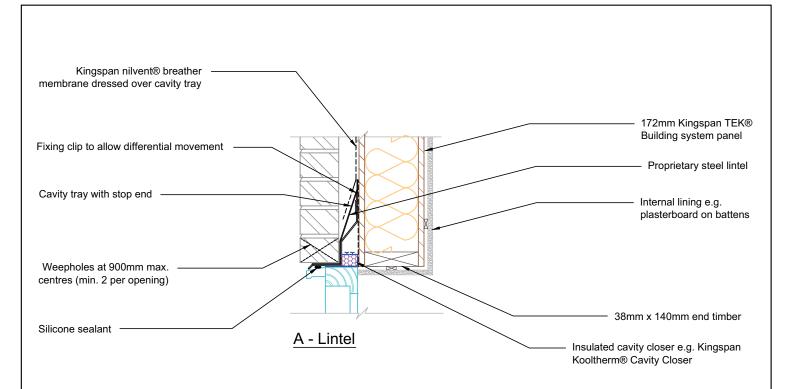
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Plan showing typical wall connection detail Corner & T-junction

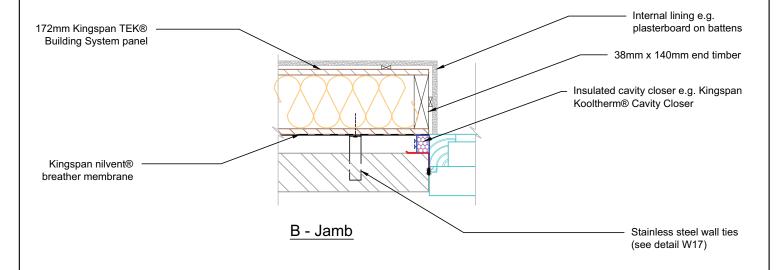
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KIL-W5-TEK-172

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NB - Restraint clips typically required @ 600mm ctrs along top edge of lintel. Fixings to be used in accordance with lintel manufacturer's recommendations





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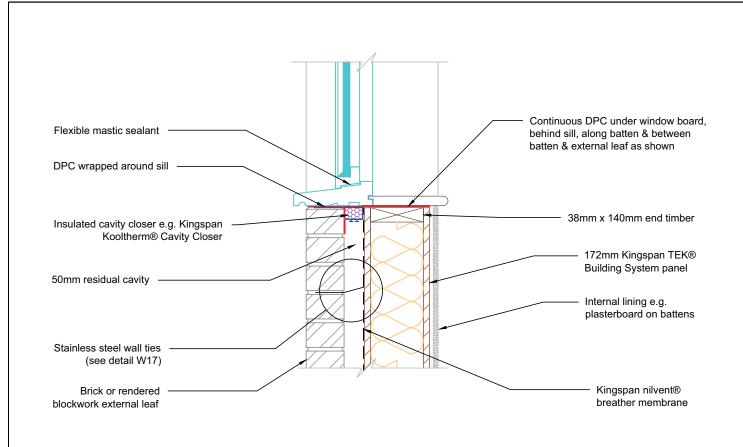
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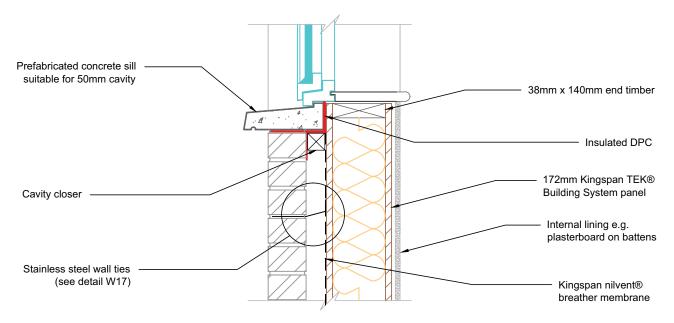
Typical window detail - brickwork external leaf detail

**TEK 172** 

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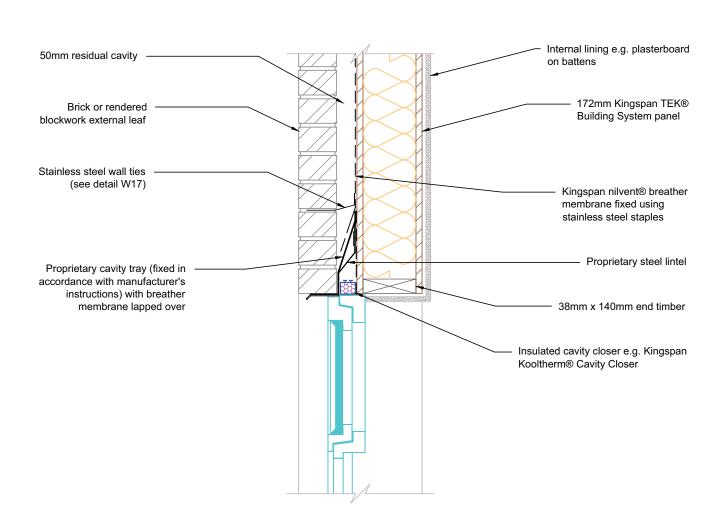
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Typical section at window sill - brickwork external leaf detail

**TEK 172** 

**KIL-W7-TEK-172** 

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I. Restraint clips typically required @ 600mm ctrs along top edge of lintel. Fixings to be used in accordance with lintel manufacturer's recommendations.



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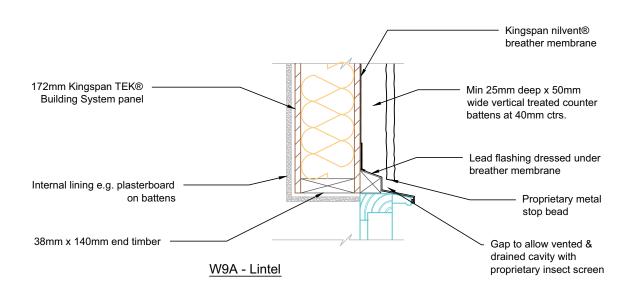
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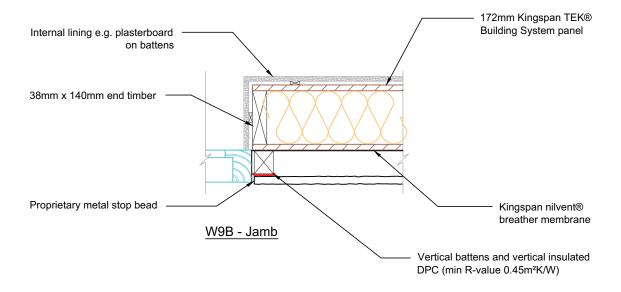
Typical section at window head - brickwork external leaf detail

**TEK 172** 

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. Restraint clips typically required @ 600mm ctrs along top edge of lintel. Fixings to be used in accordance with lintel manufacturer's recommendations.



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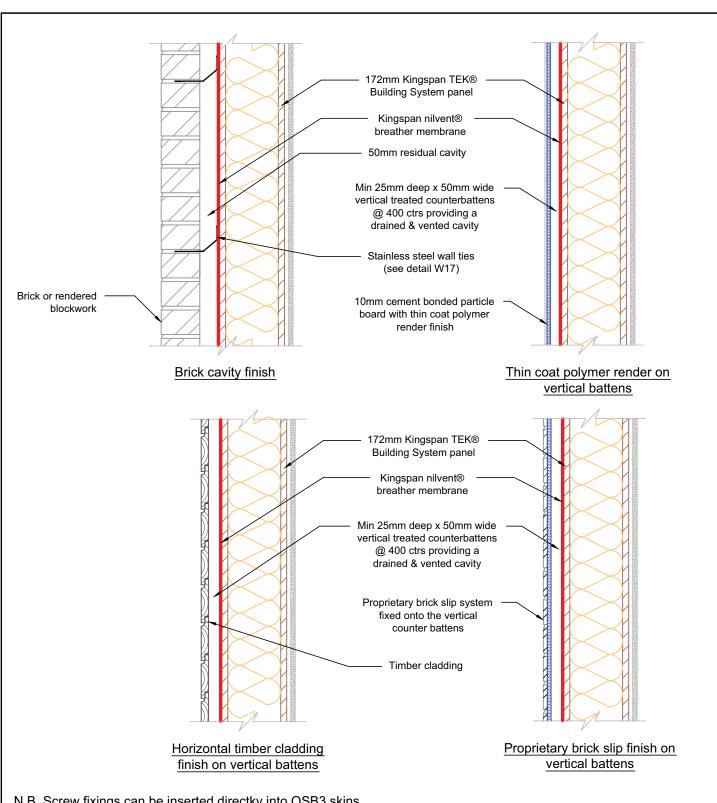
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Typical window detail - ventilated cladding cavity

**TEK 172** 

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N.B. Screw fixings can be inserted directly into OSB3 skins



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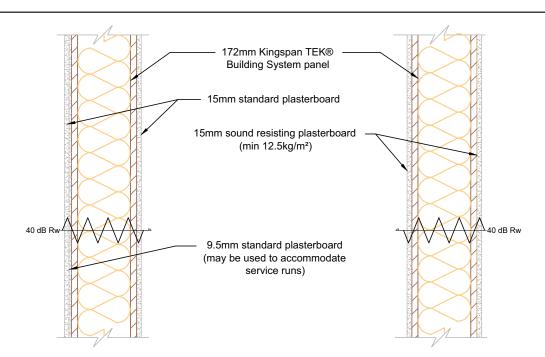
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#### Standard external finishes

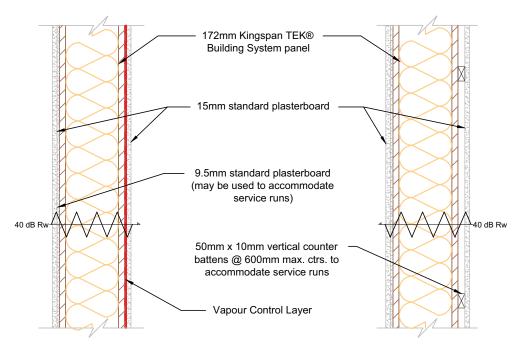
**TEK 172** 

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Preferred internal wall construction (1) (Rw = 40dB - See SRL test report C/03/5L/0848/1) Preferred internal wall construction (2) (Rw = 40dB - See BTC 13505 test report)



Alternative wall construction with plasterboard & vapour control layer

Alternative wall construction with plasterboard fixed on counter battens

N.B. Screw fixings can be inserted directly into OSB3 skins



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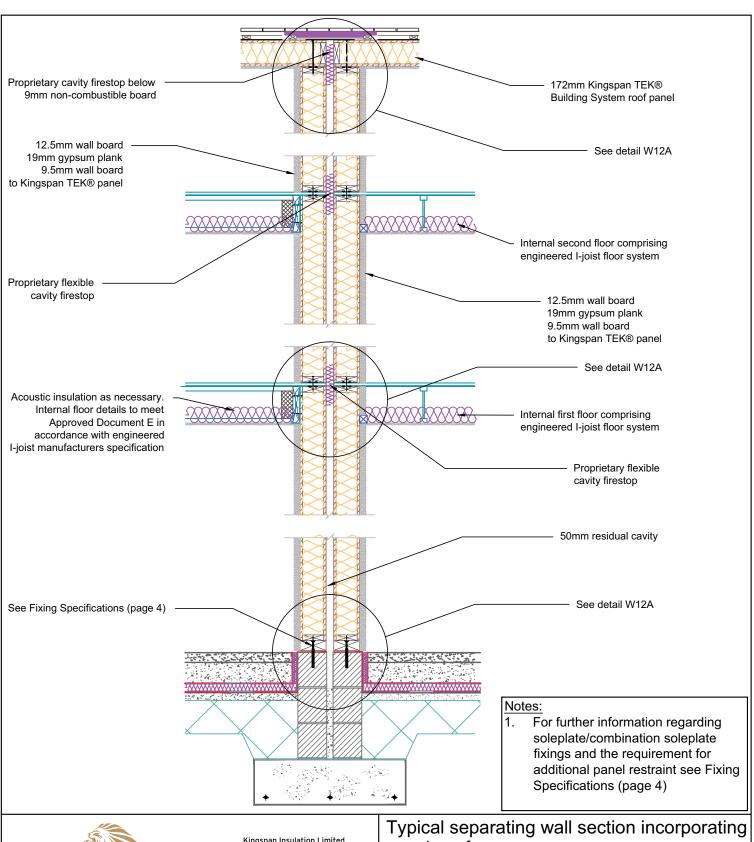
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Plan view of internal Kingspan TEK® Building System Walls

**TEK 172** 

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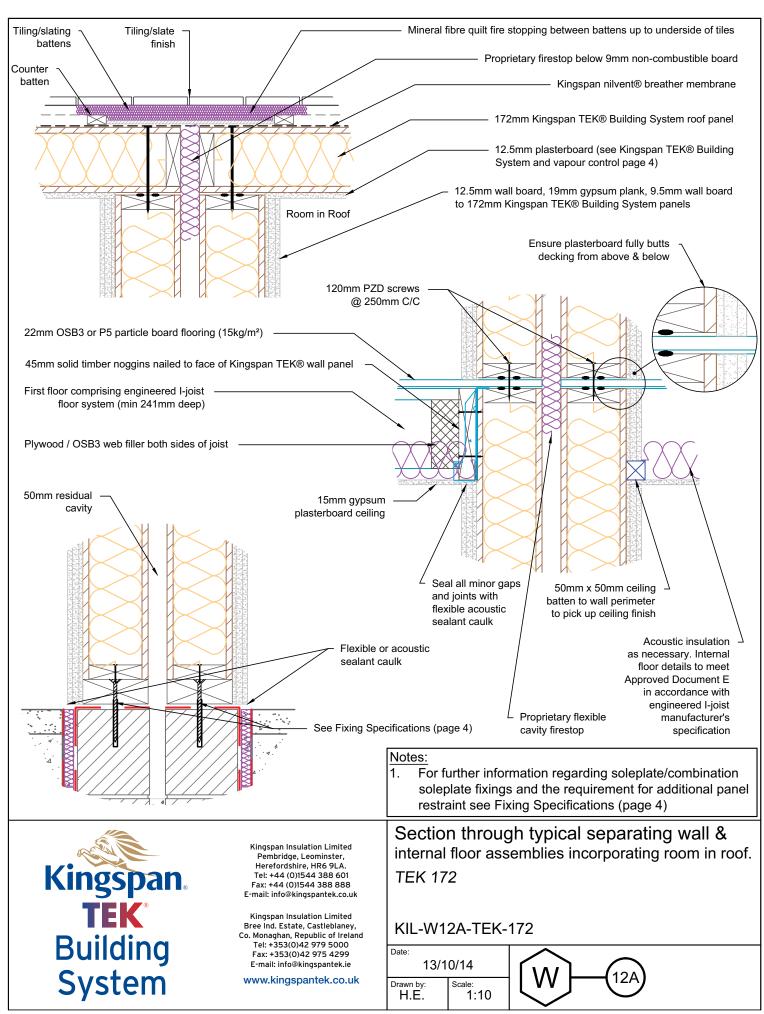
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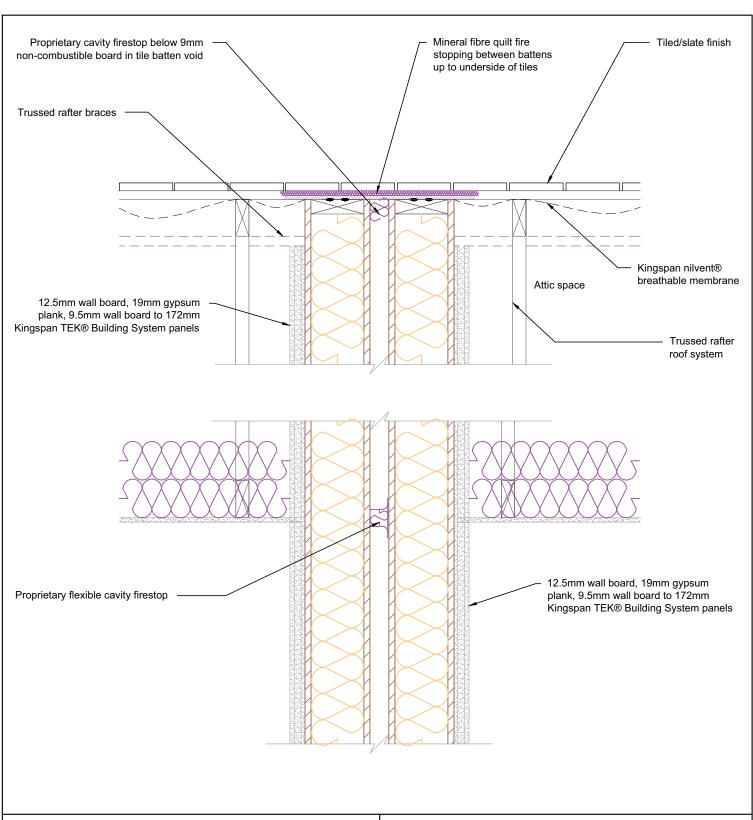
room in roof

**TEK 172** 

KIL-W12-TEK-172

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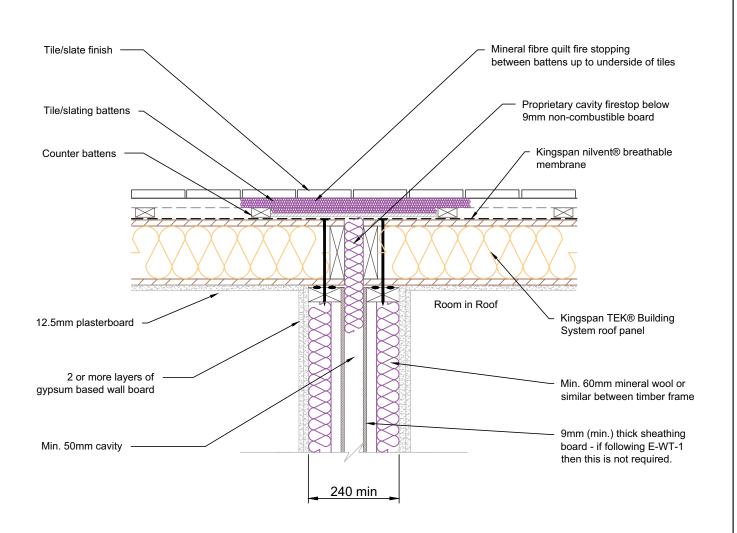
Section through typical separating wall assemblies incorporating trussed rafter roof.

**TEK 172** 

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13/10/14

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H.E. 1:10





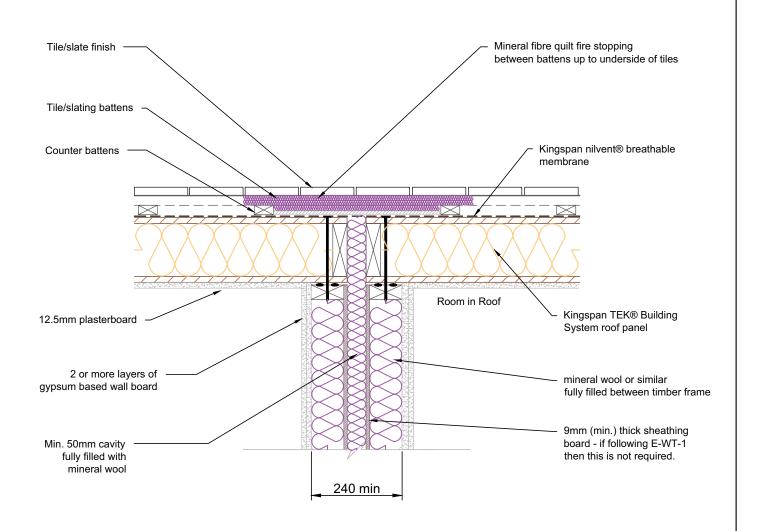
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Section through typical separating partial fill timber frame wall (E-WT-2) with TEK Roof TEK 172

KIL-W12C-TEK-172

Date: 03/1	1/14	ſw/L	120	
Drawn by: H.E.	Scale: 1:10	VV	120	





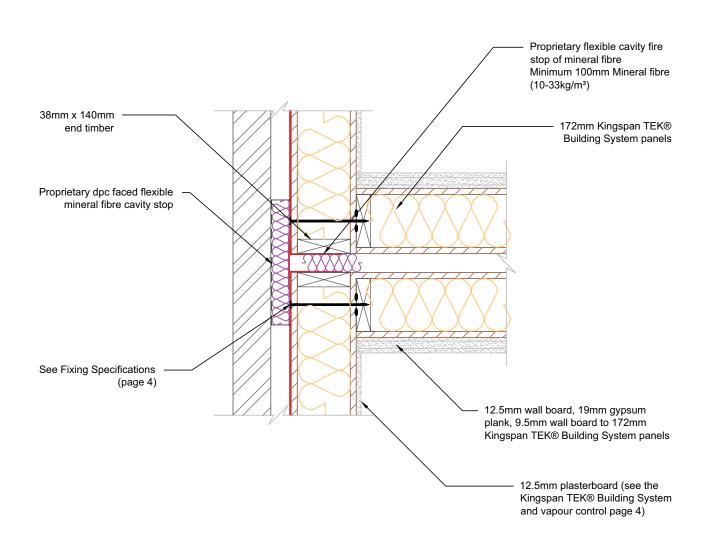
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Section through typical separating full fill timber frame wall (E-WT-2) with TEK Roof TEK 172

KIL-W12D-TEK-172

Date: 03/11/14		
Drawn by: Scale: 1:10	(12D)	





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Plan showing separating wall detail with brickwork external leaf incorporating flanking detail TEK 172

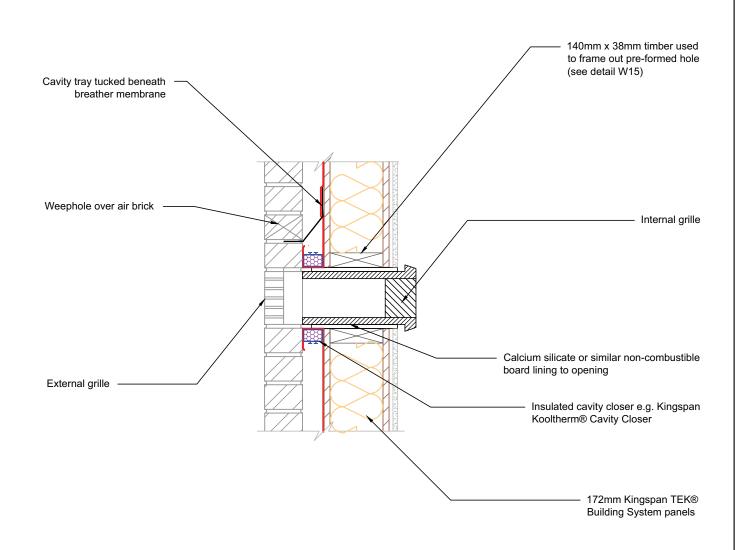
KIL-W13-TEK-172

Date:

13/10/14

Drawn by:
H.E.

Scale:
1:10





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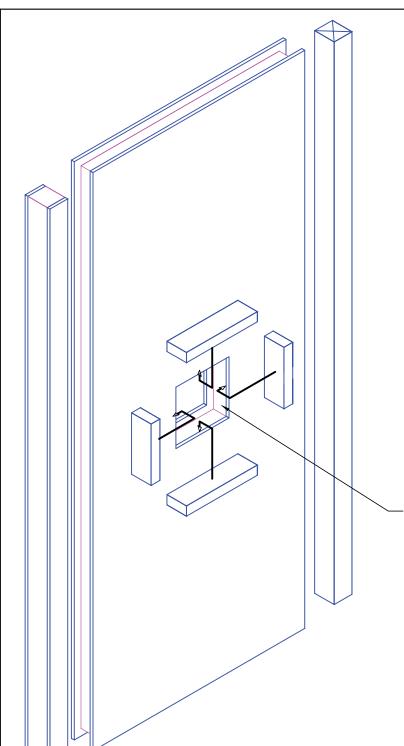
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Sectional elevation of ventilation inlet/outlet e.g. for MVHR system.

**TEK 172** 

KIL-W14-TEK-172

Date: 13/1	0/14	ſw/L		
Drawn by: H.E.	Scale: 1:10	VV	14)	



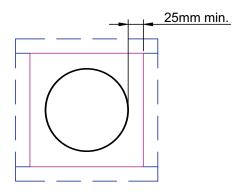
When an appliance is not suitable for direct mounting on a wall panel it should be separated from the wall structure by a 75mm air gap or by 25mm of non-combustible material.

The latter is usually achieved by non-combustible board to the plasterboard lining.

Wall mounted boilers should be fixed to the wall panel as per boiler manufacturer's instructions using fully threaded screws.

A pre-formed opening is to be framed out using 50 x 110mm timber scabs nailed @ 50mm min. cts. to receive flue leaving a minimum 25mm gap all round. When twin walled flue is used the minimum distance is measured from the outer face of the inner flue.

Wall openings cut on site must be agreed with Kingspan Insulation prior to cutting. Generally opening should be cut central to wall panels & minimum 500mm from top of panel.



Front elevation - 1:10



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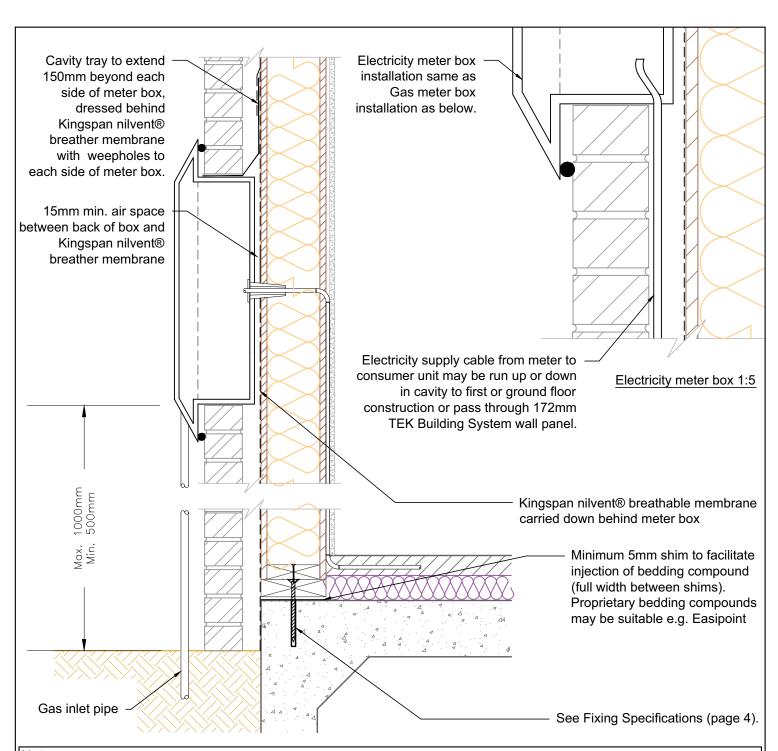
www.kingspantek.co.uk

### Wall hung boiler installation

**TEK 172** 

KIL-W15-TEK-172

Date: 13/1	0/14	ſw/_	15)	
Drawn by: H.E.	Scale: NTS	VV		



I. For further information regarding soleplate/combination soleplate and bottom plate fixings and requirement for additional panel restraint see Fixing Specifications (page 4)



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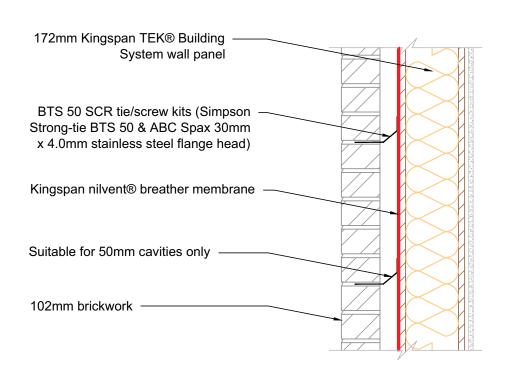
www.kingspantek.co.uk

#### Gas + electricity meter box installation

**TEK 172** 

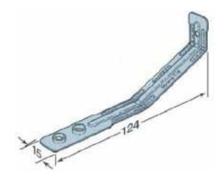
KII -W16-TFK-172

IXIL-VV I	0-161	1 2		
Date: 13/1	0/14			
Drawn by: H.E.	Scale: 1:10	W -	16	



# Preferred Fixing of External brick cladding Simpson Strong Tie - BTS 50 SCR tie/screw kits

BTS50



ABC Spax flange head pozi-drive screw



Density of ties (wind speed less than or equal to 52m/sec) - 4.4 ties per m<sup>2</sup> (spacing - 600 x 375mm)

Density of ties (wind speed greater than 52m/sec) - 7.0 ties per m² (spacing 600 x 225mm)



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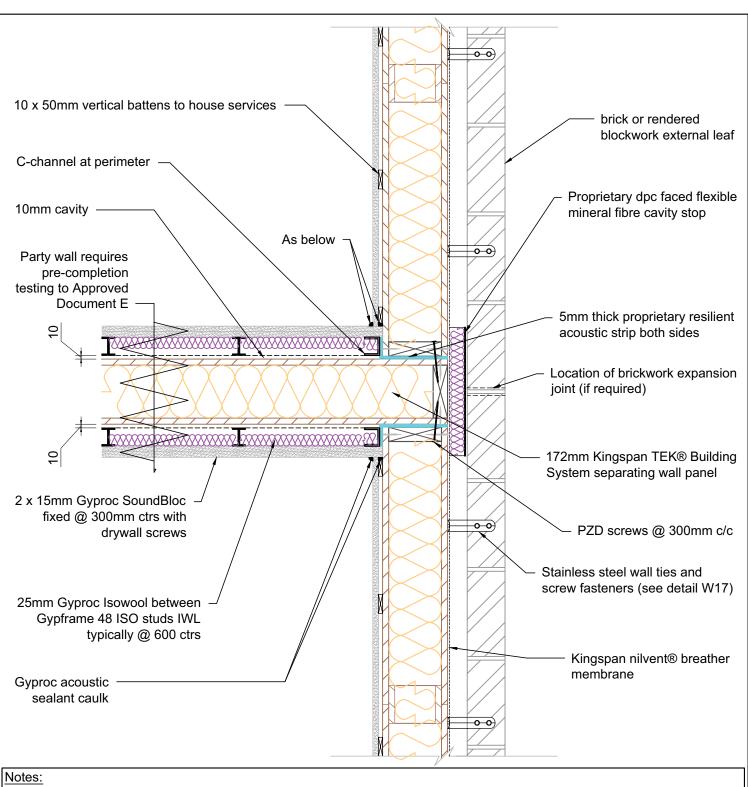
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External brick tie details for buildings not exceeding 4-storeys high

**TEK 172** 

KIL-W17-TEK-172

Date: 14/	10/14	I I	(17)	
Drawn by: H.E.	Scale: 1:10			



1. All joints/gaps to be sealed with tape or Gyproc Acoustic sealant caulk



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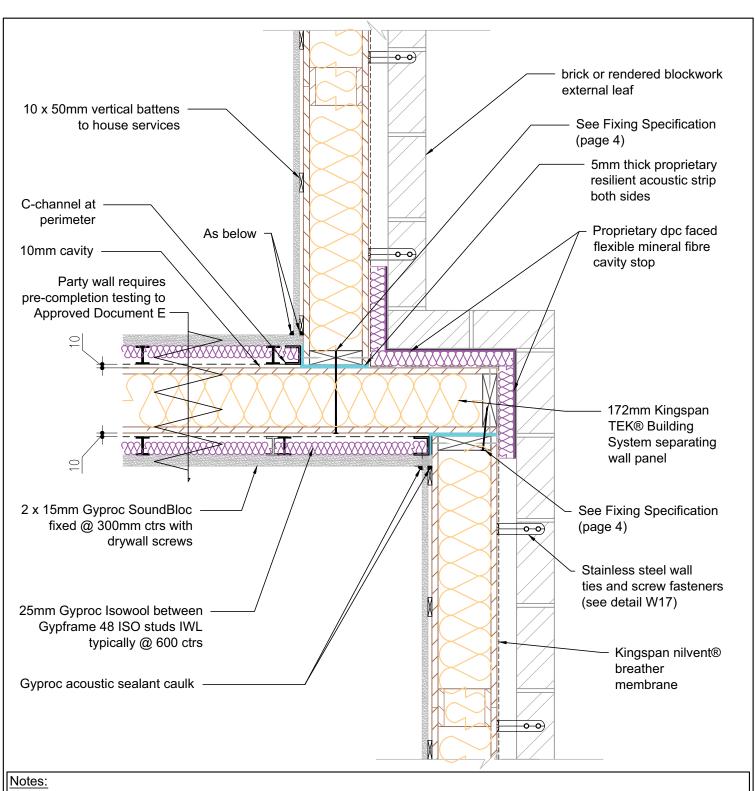
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Kingspan TEK® Building System single separating wall junction with external wall.

**TEK 172** 

**KIL-W18A-TEK-172** 

Date: 14/1	0/14		190
Drawn by: H.E.	Scale: 1:10	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	TIOA



1. All joints/gaps to be sealed with tape or Gyproc Acoustic sealant caulk



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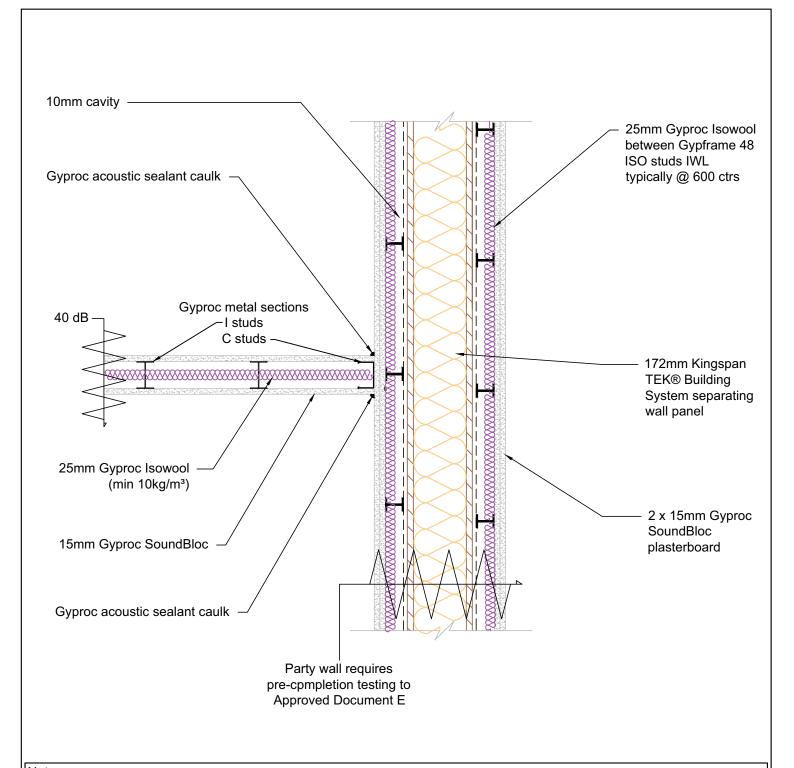
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Kingspan TEK® Building System single separating wall junction - stepped external wall detail TEK 172

KIL-W18B-TEK-172

Date:			_	
14/1	0/14			
Drawn by:	Scale:	1   VV		
H.E.	1:10			



1. All joints/gaps to be sealed with tape or Gyproc Acoustic sealant caulk



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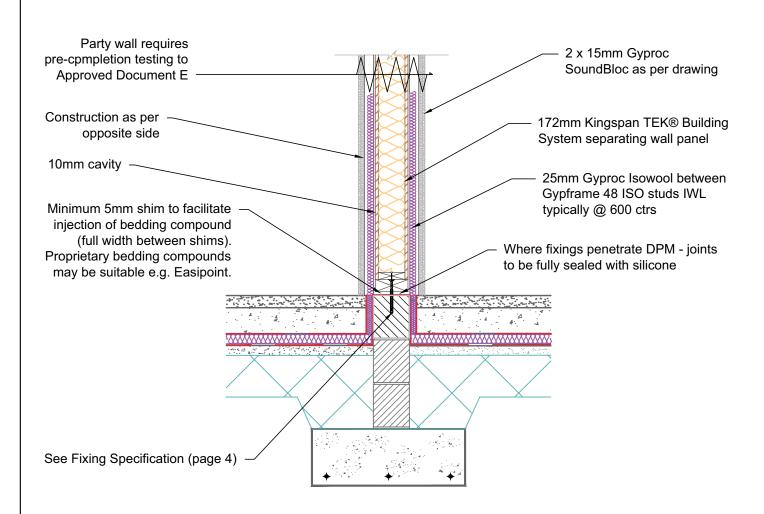
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Lightweight frame internal wall connection onto Kingspan TEK® Building System single separating wall

**TEK 172** 

KIL-W18C-TEK-172

Date: 14/1	0/14	ſw/_	180	
Drawn by: H.E.	Scale: 1:10	VV		



- For further information regarding soleplate / combination soleplate and bottom plate fixings and the requirement for additional panel restraint see Fixing Specifications (page 4).
- 2. All joints/gaps to be sealed with tape or Gyproc Acoustic sealant caulk



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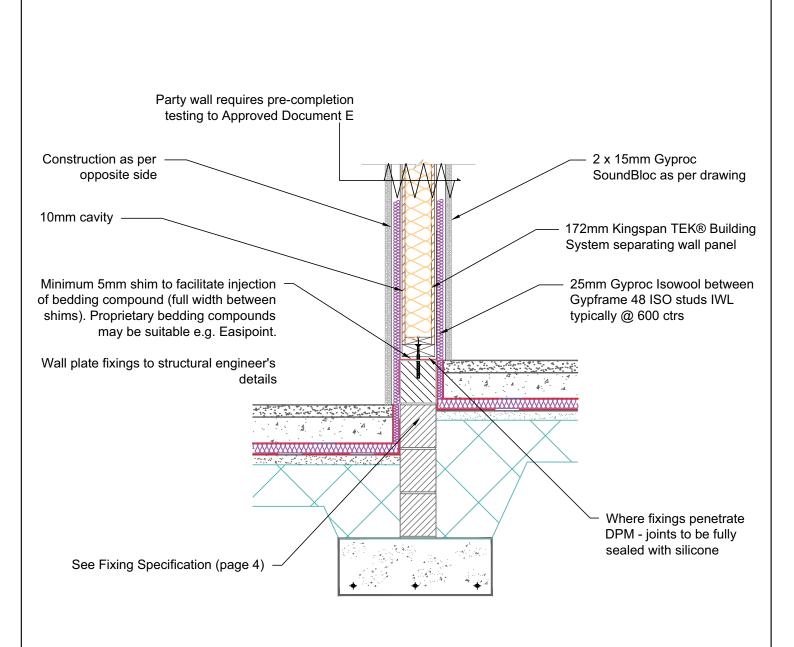
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Kingspan TEK Building System single separating wall junction - ground floor slab detail TEK 172

KIL-W18D-TEK-172

Date: 14/10/14		I W	190	
Drawn by: H.E.	Scale: 1:20	V	TOD	



- 1. For further information regarding soleplate / combination soleplate and bottom plate fixings and the requirement for additional panel restraint see Fixing Specifications (page 4).
- 2. All joints/gaps to be sealed with tape or Gyproc Acoustic sealant caulk



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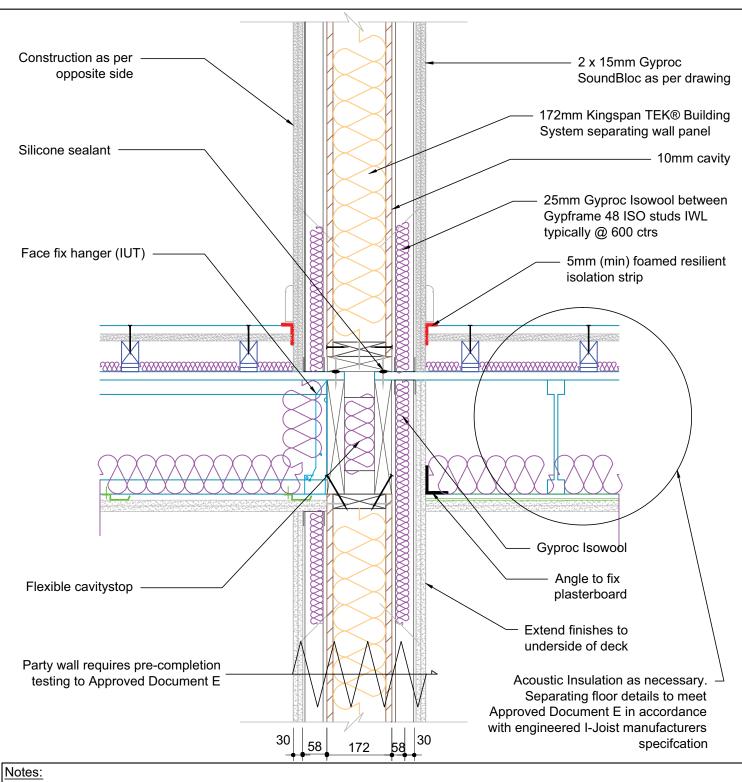
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Kingspan TEK Building System single separating wall junction - stepped ground floor slab detail TEK 172

KIL-W18E-TEK-172

Date: 14/10/14		ſw/L	195	
Drawn by: H.E.	Scale: 1:20	VV	TIBE	



1. All joints/gaps to be sealed with tape or Gyproc Acoustic sealant caulk



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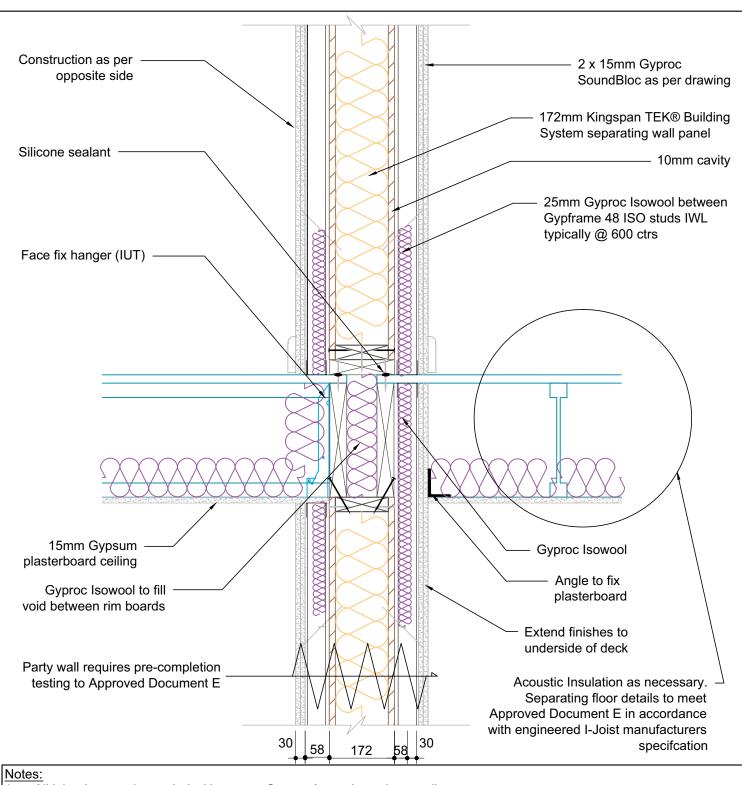
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Kingspan TEK Building System single separating wall junction - separating floor detail TEK 172

KIL-W18F-TEK-172

Date: 14/10/14		ſwL	195	
Drawn by: H.E.	Scale: 1:10	VV	TIOF	



1. All joints/gaps to be sealed with tape or Gyproc Acoustic sealant caulk



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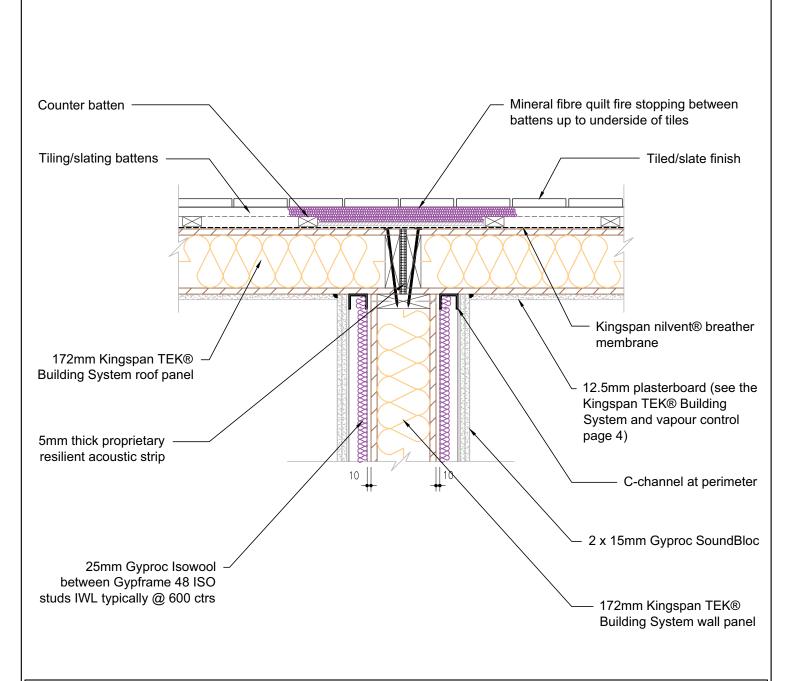
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Kingspan TEK Building System single separating wall junction - internal floor junction TEK 172

KIL-W18G-TEK-172

Date: 16/10/14		180	 
Drawn by: H.E.	Scale: 1:10	VV	



1. All joints/gaps to be sealed with tape or Gyproc Acoustic sealant caulk



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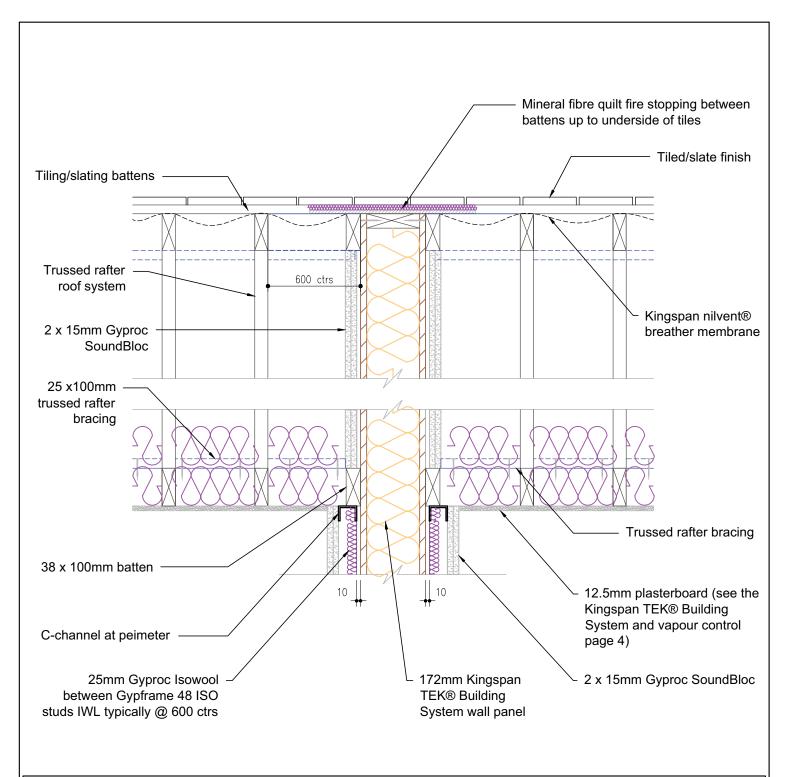
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Kingspan TEK Building System single separating wall junction - room in roof detail TEK 172

KIL-W18H-TEK-172

Date:				
16/1	0/14		104	
Drawn by:	Scale:			
H.E.	1:10			



1. All joints/gaps to be sealed with tape or Gyproc Acoustic sealant caulk



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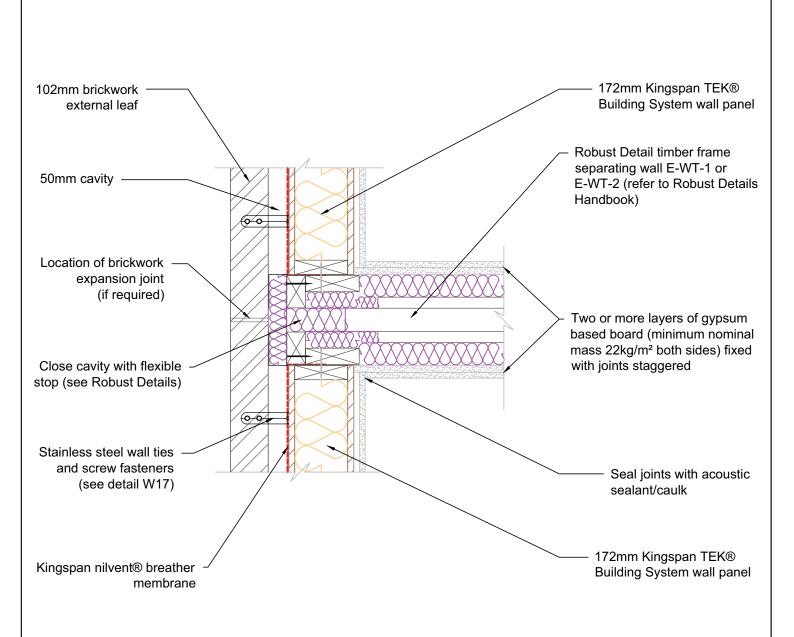
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Kingspan TEK Building System single separating wall junction - trussed rafter roof detail TEK 172

KIL-W18J-TEK-172

Date:			
16/1	0/14	101	
Drawn by:	Scale:	<del>(</del> 18J)	
H.E.	1:10		



1. All joints/gaps to be sealed with tape or Gyproc Acoustic sealant caulk



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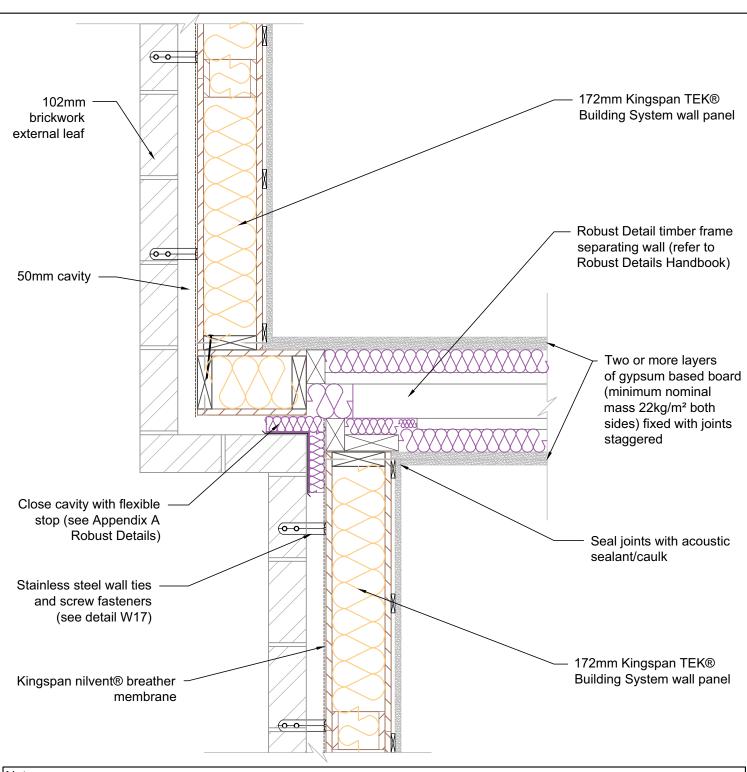
www.kingspantek.co.uk

Kingspan TEK Building System external (flanking) wall junction with timber separating walls to Robust Details E-WT-1 and E-WT-2

**TEK 172** 

KIL-W19A-TEK-172

Date: 16/1	0/14	ſw/L		
Drawn by: H.E.	Scale: 1:10	VV	19A)	



1. All joints/gaps to be sealed with tape or Gyproc Acoustic sealant caulk



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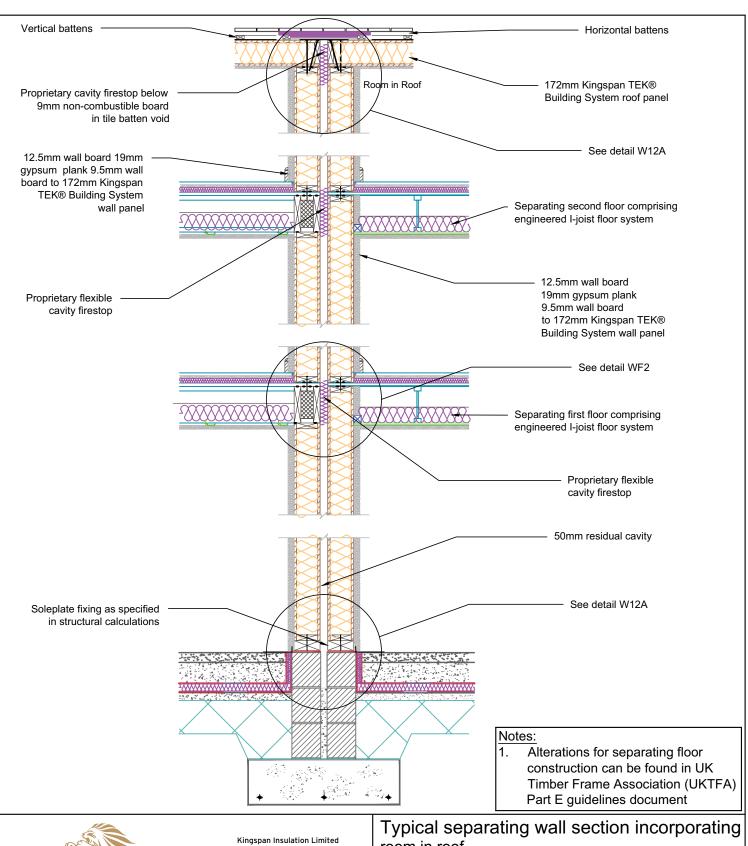
www.kingspantek.co.uk

Kingspan TEK Building System staggered external (flanking) wall junction with timber separating walls to Robust Details E-WT-1 and E-WT-2

**TEK 172** 

KIL-W19B-TEK-172

Date: 16/1	0/14	ſw\_		
Drawn by: H.E.	Scale: 1:10	VV	190	





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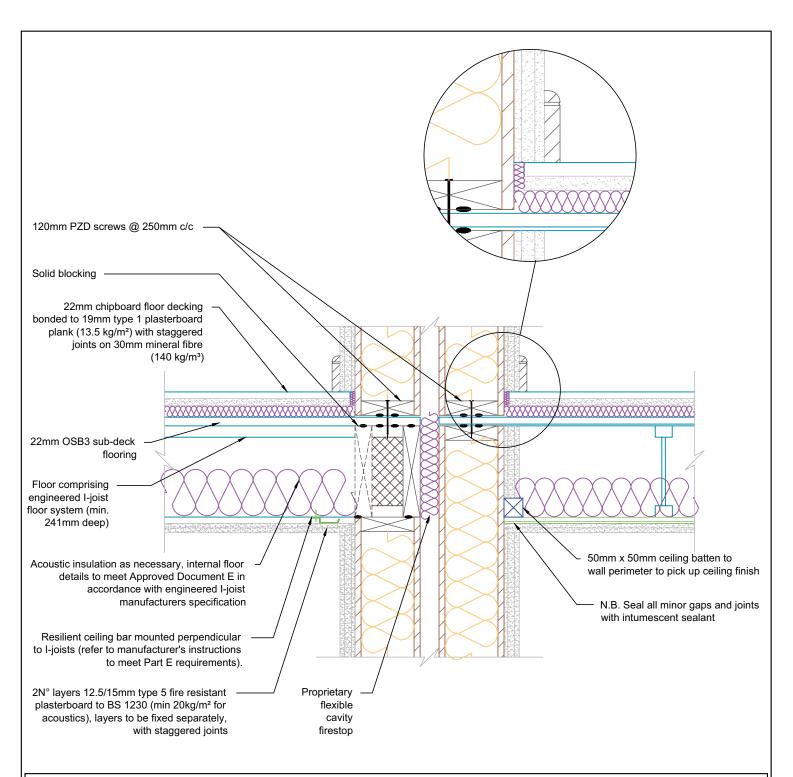
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room in roof

**TEK 172** 

KIL-F1-TEK-172

Date: 17/1	0/14		
Drawn by: H.E.	Scale: 1:25		



 Alterations for separating floor construction can be found in UK Timber Frame Association (UKTFA) Part E guidelines document



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Typical separating wall & floor assemblies

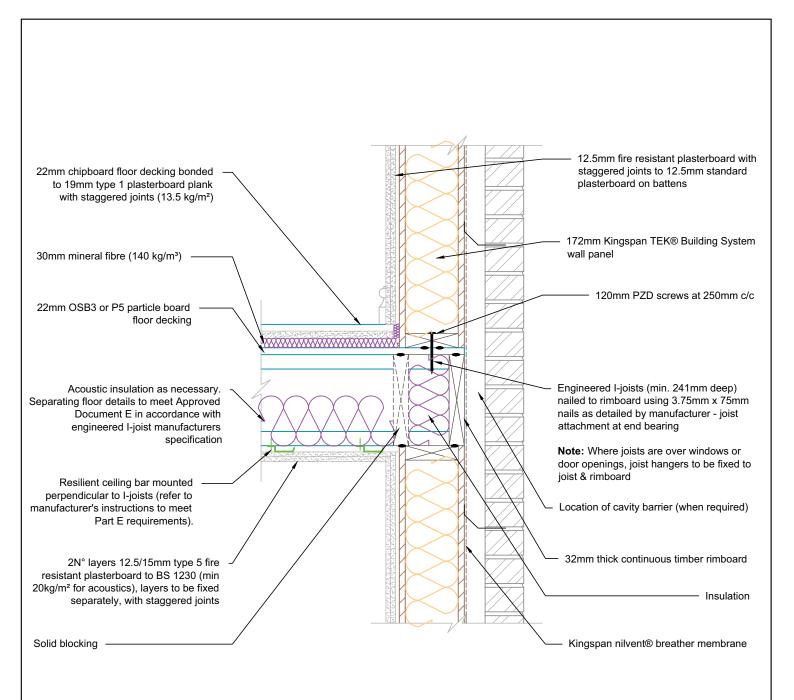
**TEK 172** 

KIL-F2-TEK-172

Date:

20/10/14

Drawn by:
H.E. Scale:
1:10





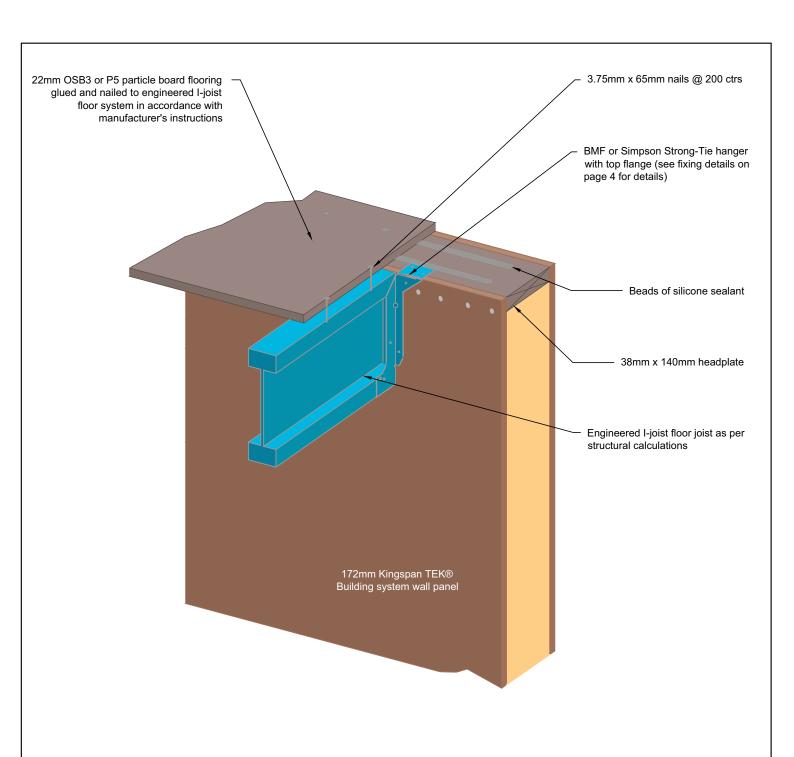
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Separating floor detail. Platform frame.
Non-robust detail pre-completion test (pct) required.
TEK 172

KIL-F3-TEK-172

Date: 21/1	10/14	$\overline{\bigcirc}$	
Drawn by: H.E.	Scale: 1:10		





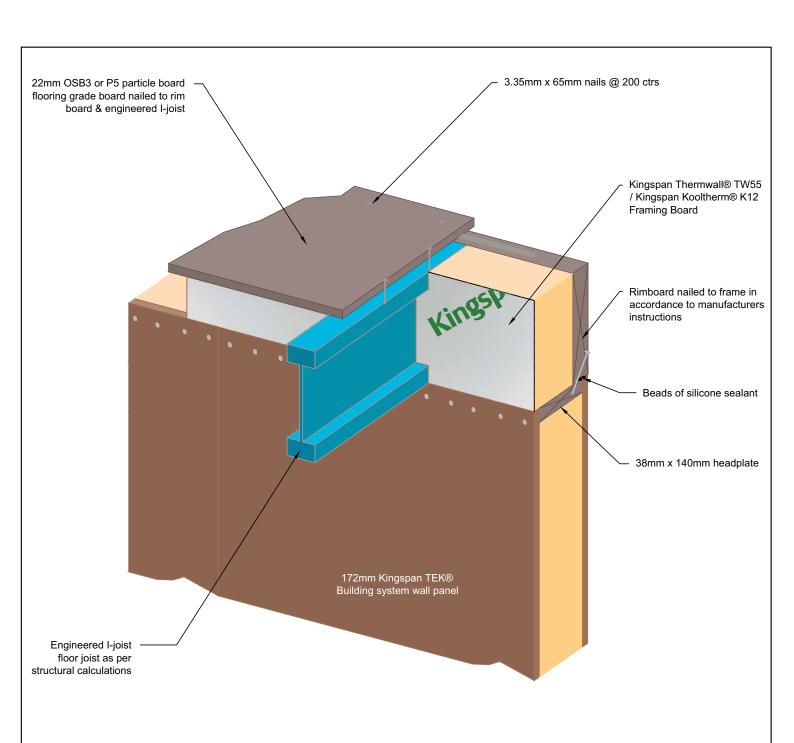
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Typical connection detail for engineered I-joist floor system.

**TEK 172** 

KIL-F4-TEK-172





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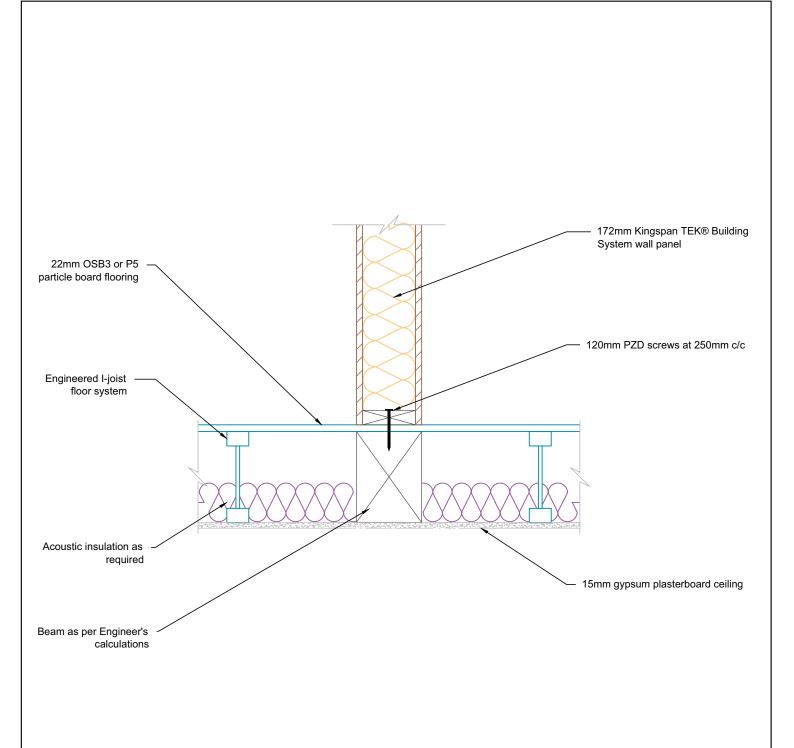
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Alternative I-joist / wall panel connection detail fixed to rimboard

**TEK 172** 

KIL-F5-TEK-172

Date: 21/1	0/14		
Drawn by: H.E.	Scale: NTS		





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Internal load bearing floor detail.

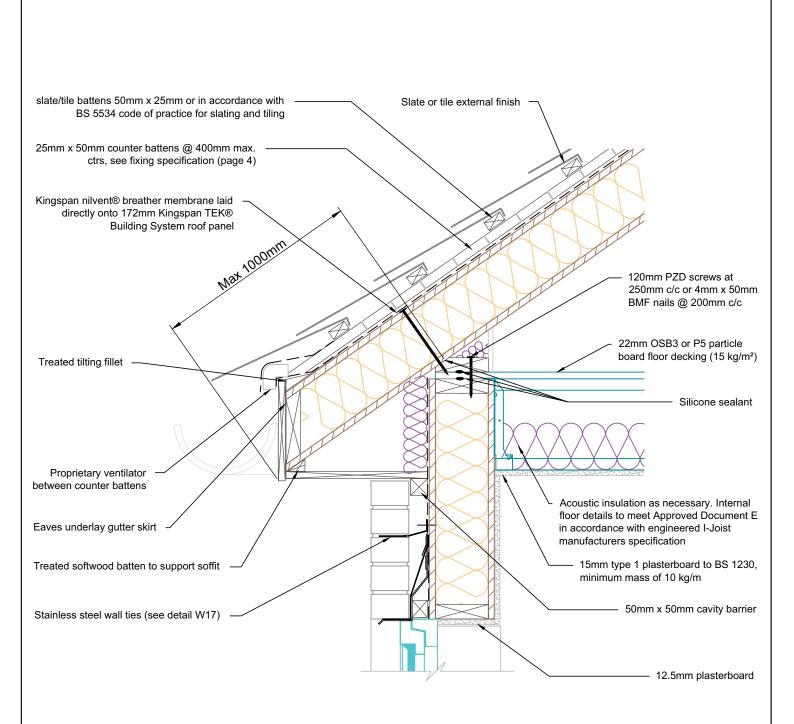
**TEK 172** 

KIL-F6-TEK-172

Date:

21/10/14

Drawn by: | Scale: | 1:10 | F | 6





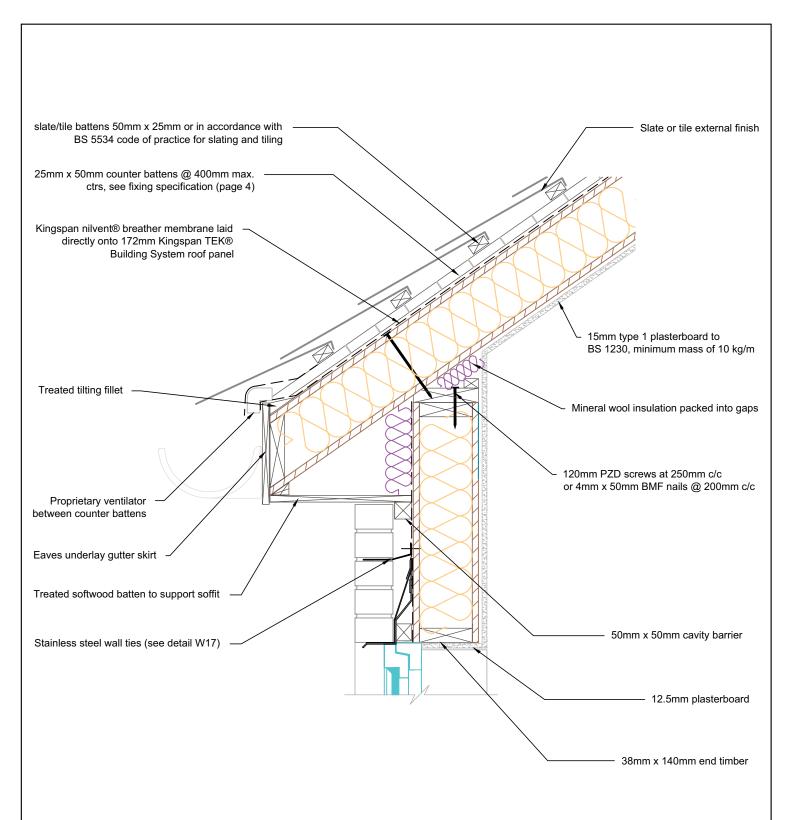
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Typical eaves detail vertical section with Kingspan TEK® Building System pitched roof panel TEK 172

KIL-R1A-TEK-172-1

Date: 31/1	0/14	
Drawn by: H.E.	Scale: 1:10	





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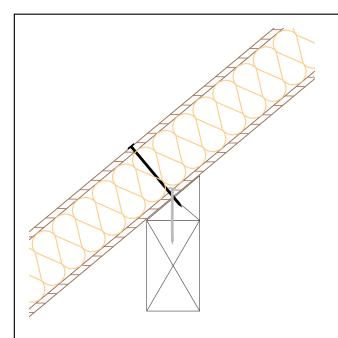
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Typical eaves detail vertical section with Kingspan TEK® Building System pitched roof panel (insulation at rafter level only)

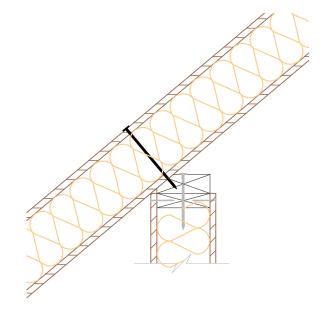
**TEK 172** 

KIL-R1B-TEK-172-1

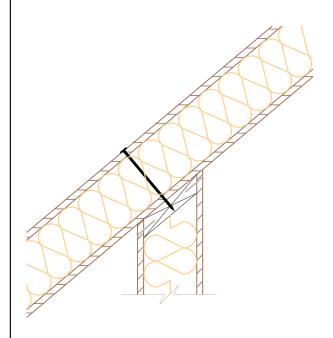
Date: 03/1	1/14		
Drawn by: H.E.	Scale: 1:10		



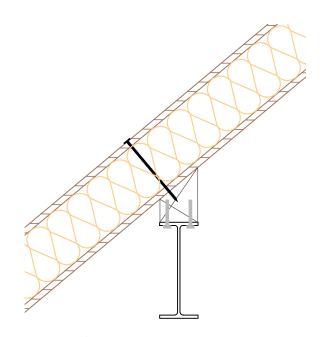
Purlin connection



**Dwarf wall connection** 



Internal wall connection



Steel purlin connection



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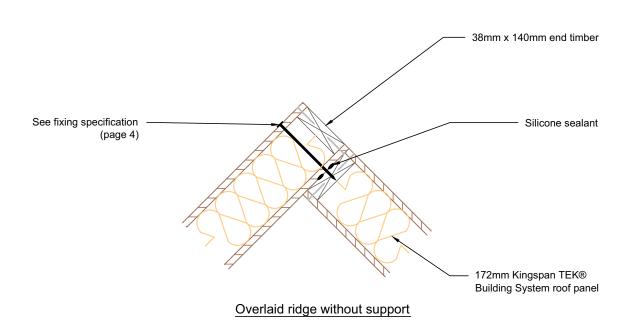
www.kingspantek.co.uk

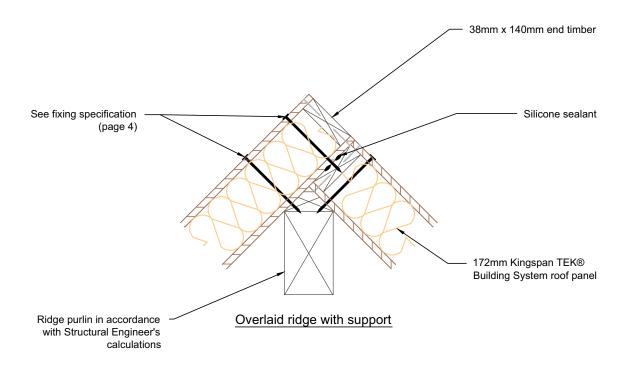
Internal roof support details

**TEK 172** 

KIL-R2-TEK-172

Drawn by: Scale: 1:10







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Typical roof panel overlaid ridge with and without support.

**TEK 172** 

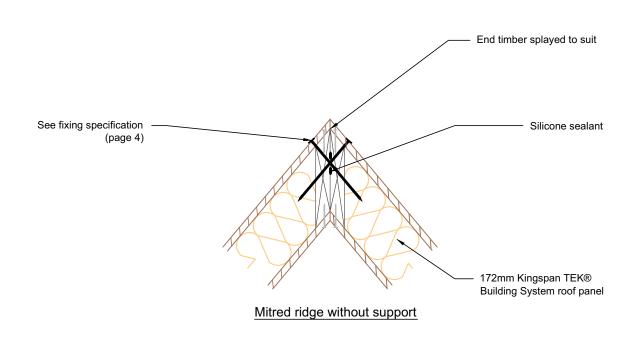
KIL-R3-TEK-172

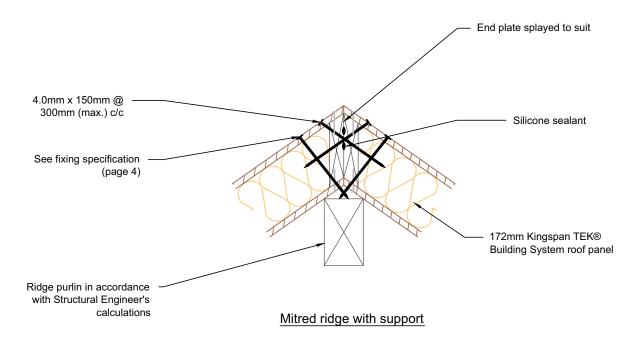
Date:

29/10/14

Drawn by:
H.E.

Scale:
1:10







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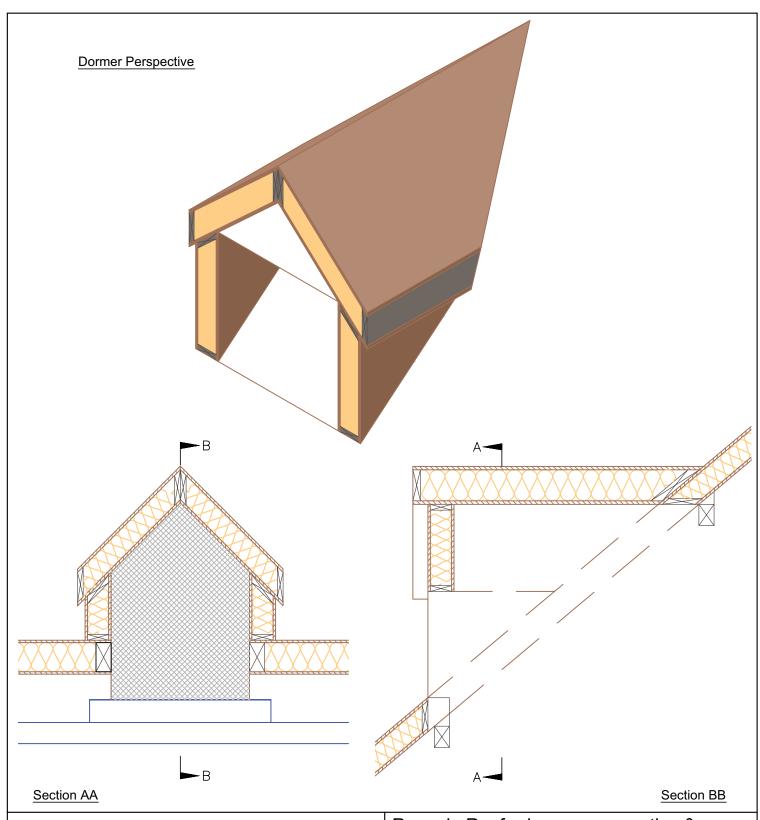
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## Typical ridge connection details

**TEK 172** 

KIL-R4-TEK-172

Date:				
29/	10/14			
Drawn by: H.E.	Scale: 1:10	$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	4	





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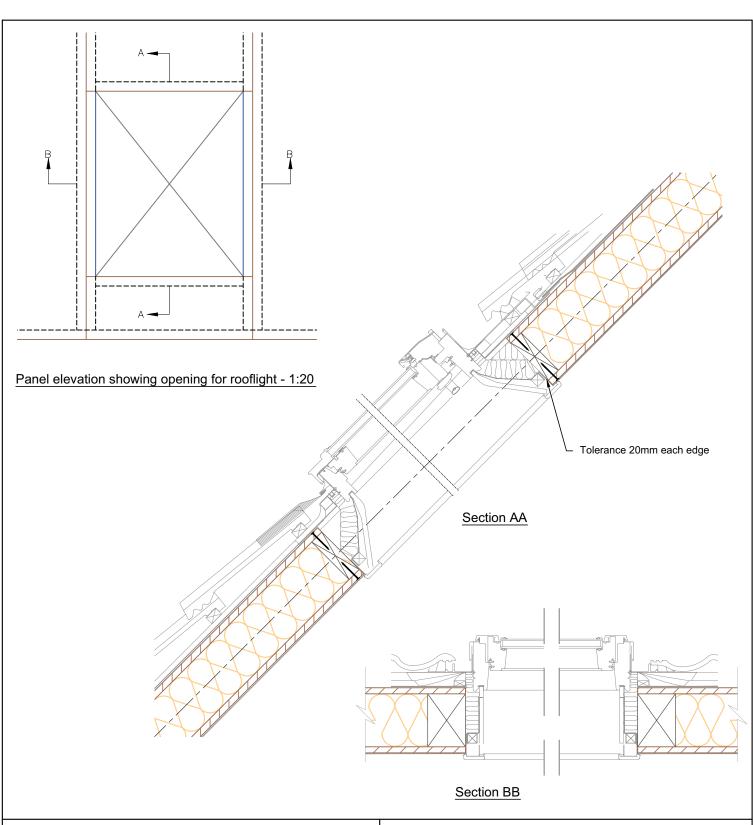
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Room in Roof - dormer perspective & section detail

**TEK 172** 

KIL-R5-TEK-172

Date:				
29/	10/14		$\bigcirc$	
Drawn by:	Scale: 1:25	¹IK ┌	_ (ა)	





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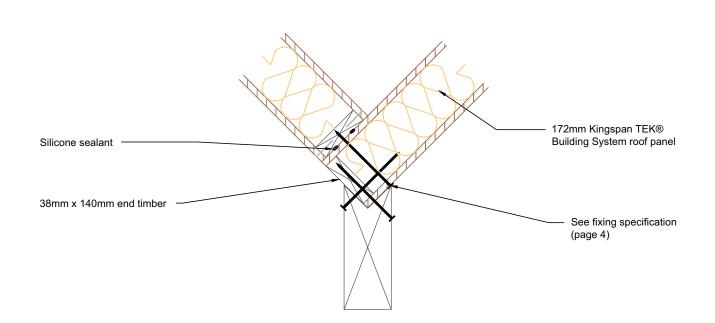
www.kingspantek.co.uk

Typical Rooflight detail.

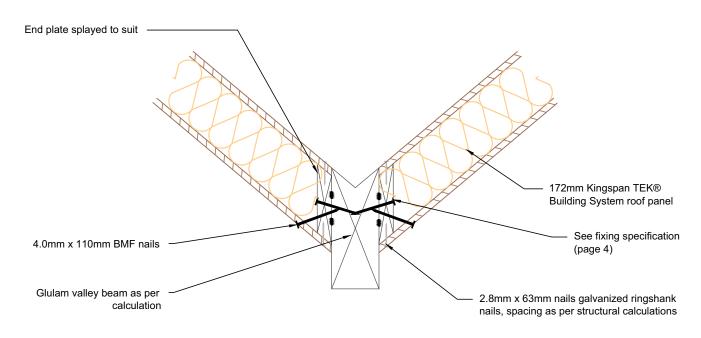
**TEK 172** 

KIL-R6-TEK-172

Date: 29/1	0/14	6	
Drawn by: H.E.	Scale: 1:10		



### Roof panels connected over valley rafter with support



## Roof panels connected to valley rafter



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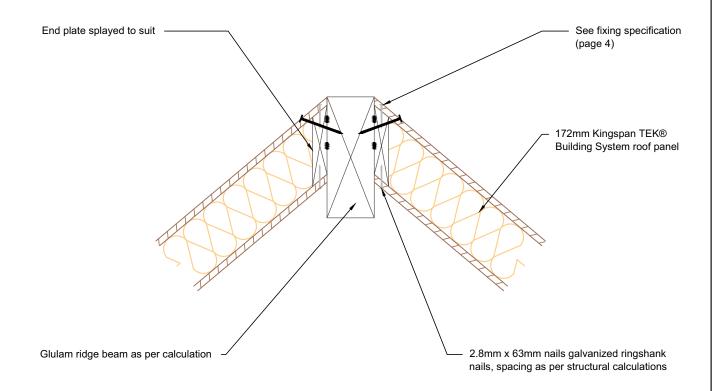
www.kingspantek.co.uk

Typical valley detail.

**TEK 172** 

KIL-R7-TEK-172

Date:			_	
29	/10/14		$\overline{}$	
Drawn by: H.E.	Scale: 1:10	╎┖┖╱		





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Typical hip detail showing roof panels connected to hip rafter

**TEK 172** 

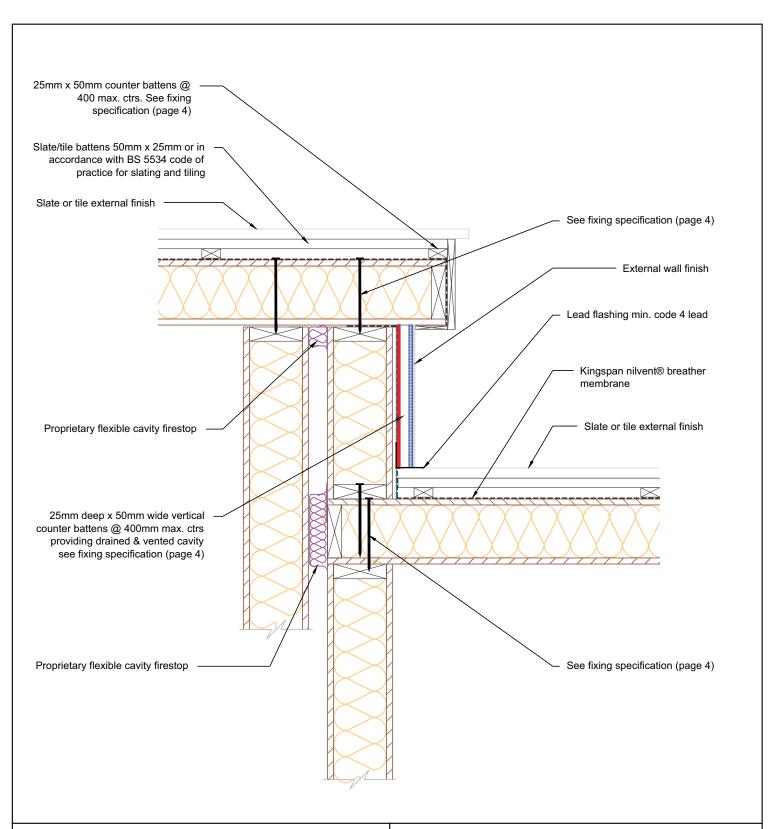
KIL-R8-TEK-172

Date:

29/10/14

Drawn by:
H.E.

Scale:
1:10





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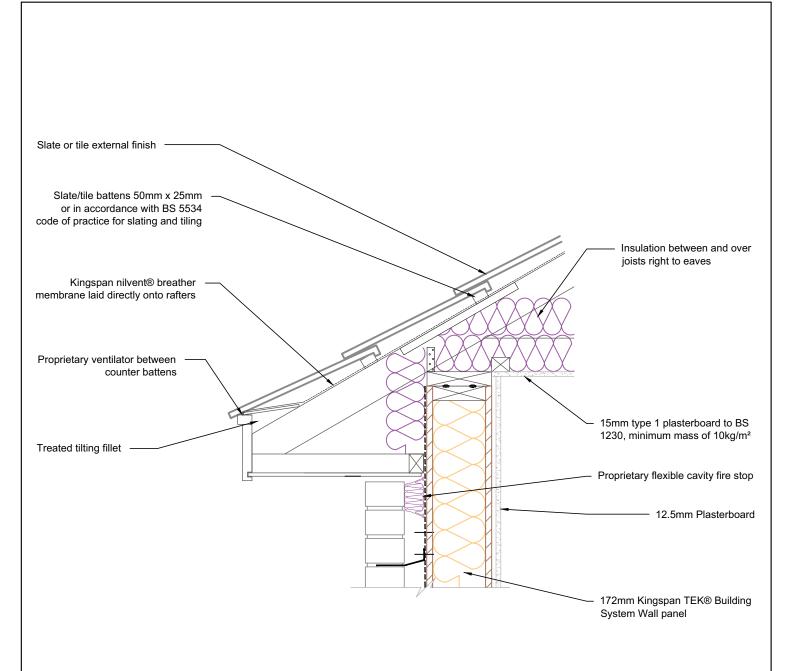
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Roof to roof - change in level detail

**TEK 172** 

KIL-R9-TEK-172

Date: 29/10/14			
Drawn by: H.E.	Scale: 1:10	<u> </u>	





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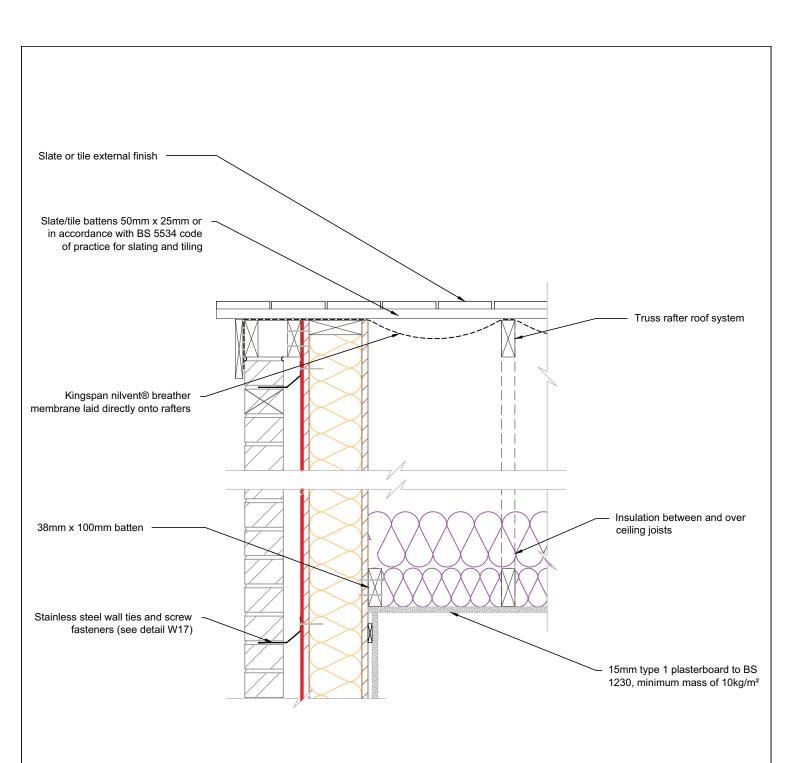
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Typical eaves detail vertical section with truss rafter pitched roof

**TEK 172** 

KIL-R10-TEK-172

Date: 29/1	0/14	<u></u>
Drawn by: H.E.	Scale: 1:10	<u>ي</u>





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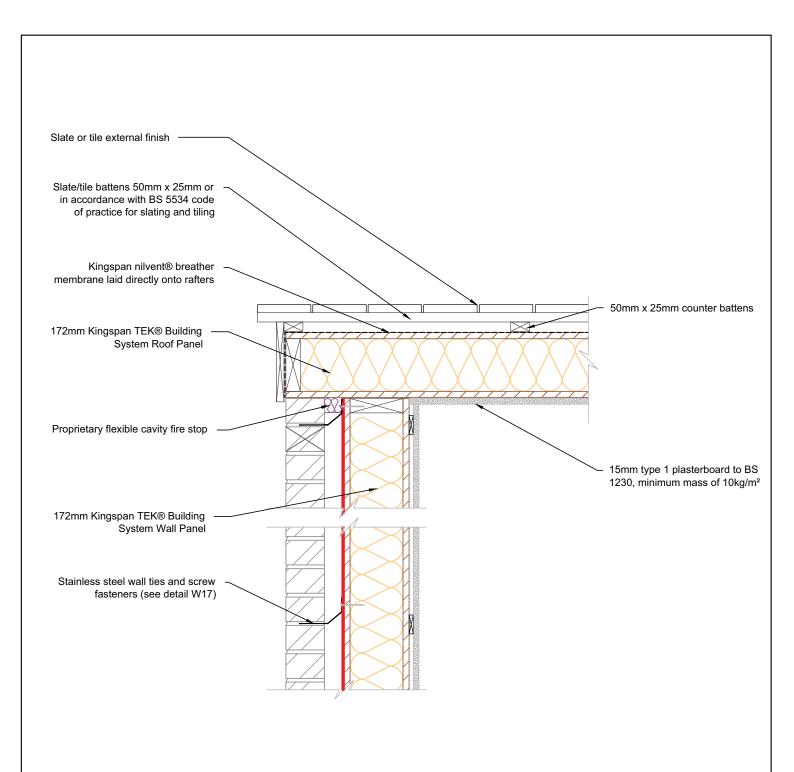
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Kingspan TEK® Building System gable junction - truss rafter roof with insulation at ceiling level

**TEK 172** 

KIL-R11-TEK-172

D	Date: 29/1	0/14		
D	orawn by: H.E.	Scale: 1:10		





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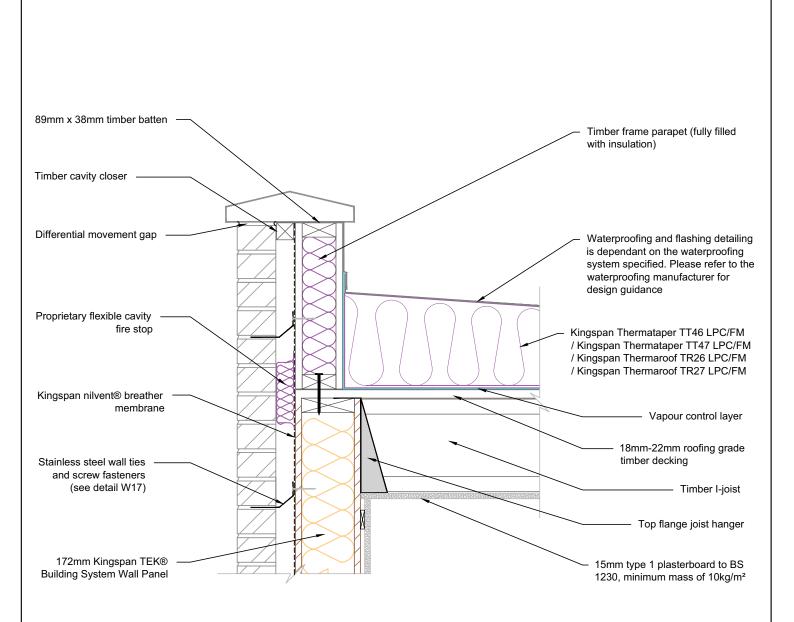
www.kingspantek.co.uk

Kingspan TEK® Building System gable junction - Kingspan TEK® Building System Roof Panel

**TEK 172** 

KIL-R12-TEK-172

Date: 29/1	0/14		
Drawn by: H.E.	Scale: 1:10		





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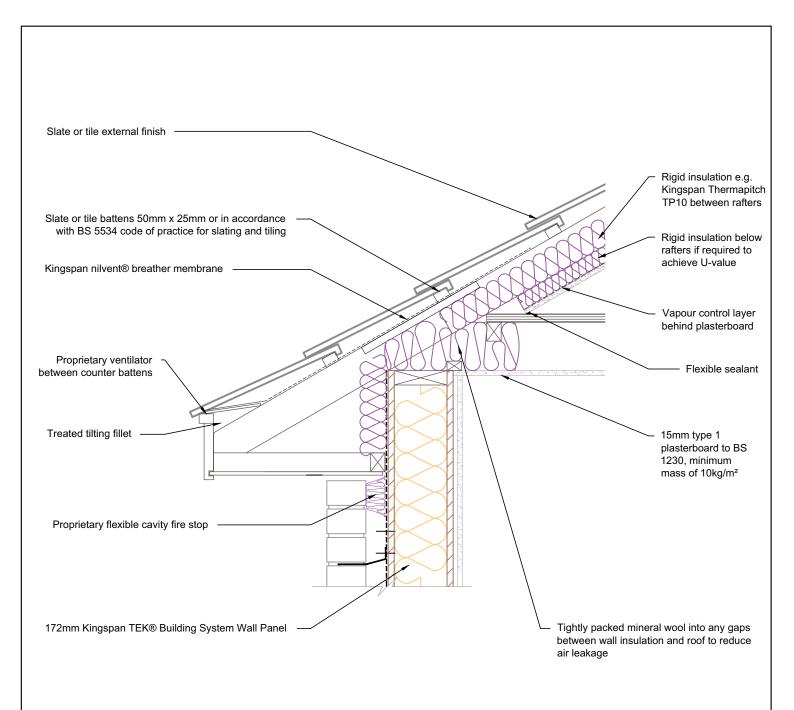
www.kingspantek.co.uk

Kingspan TEK® Building System external wall junction with warm deck flat roof - timber frame parapet wall

**TEK 172** 

KIL-R13-TEK-172

Date: 29/10/14			
Drawn by: H.E.	Scale: 1:10		





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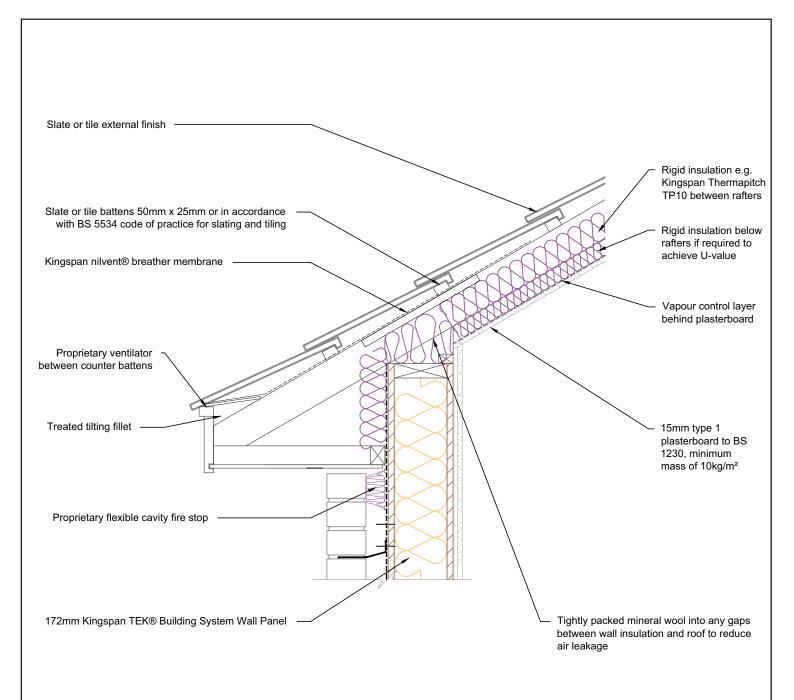
www.kingspantek.co.uk

Typical eaves detail Kingspan TEK® Building System external wall junction with pitched roof & internal floor - insulated at line of pitch

**TEK 172** 

**KIL-R14A-TEK-172** 

Date: 30/10/14			
Drawn by: H.E.	Scale: 1:10	(14A)	





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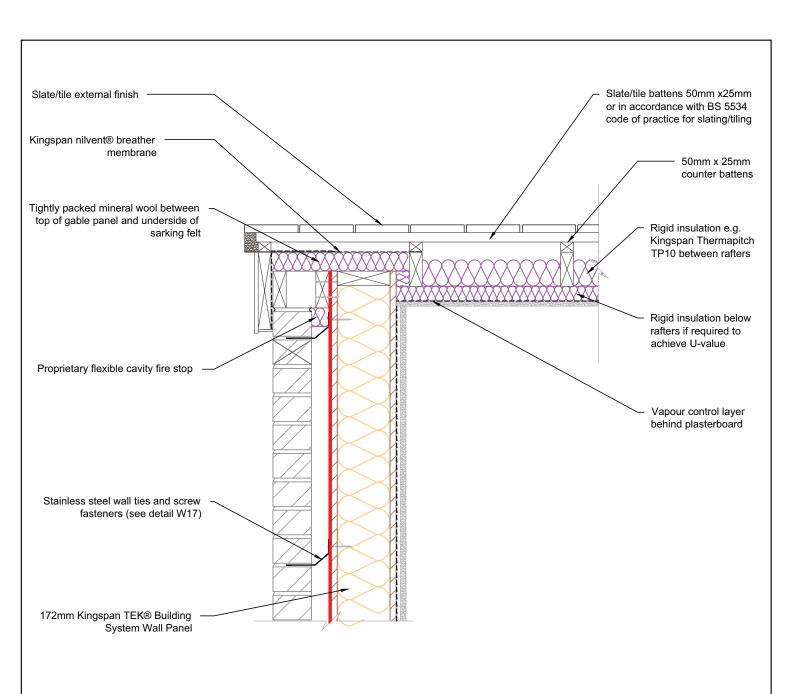
Typical eaves detail Kingspan TEK® Building System external wall junction with pitched roof

- insulated at line of pitch

**TEK 172** 

KIL-R14B-TEK-172

Date: 03/11/14				
Drawn by: H.E.	Scale: 1:10	$\bigcirc$	(145)	





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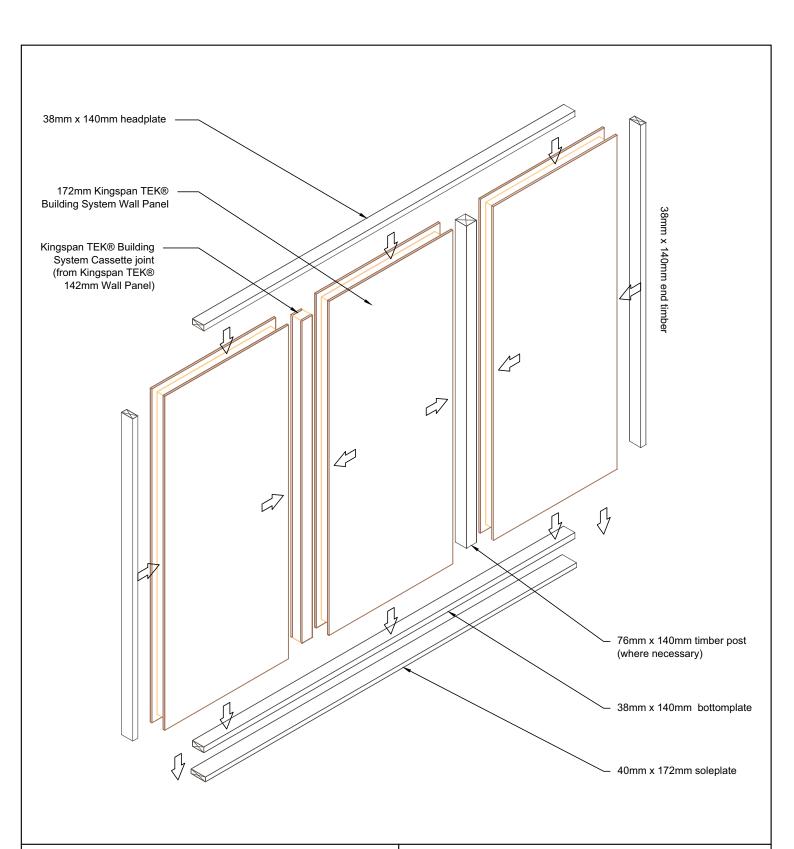
www.kingspantek.co.uk

Kingspan TEK® Building System external wall junction with pitched roof insulated at line of pitch - gable

**TEK 172** 

KIL-R15-TEK-172

Date: 30/10/14			
Drawn by: H.E.	Scale: 1:10		





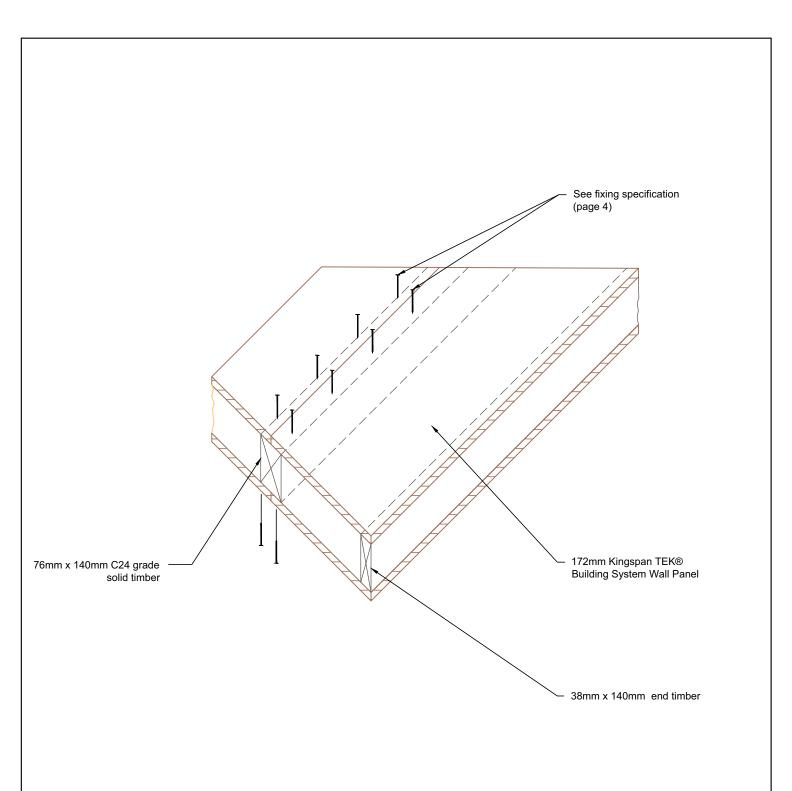
Kingspan Insulation Limited Bree Ind. Estate, Castleblaney, Co. Monaghan, Republic of Ireland Tel: +353(0)42 979 5000 Fax: +353(0)42 975 4299 E-mail: info@kingspantek.ie

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Typical panel joints for Kingspan TEK® Building System wall panels TEK 172

KIL-C1-TEK-172

Date: 30/1	0/14		
Drawn by: H.E.	Scale: NTS		





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Timber post panel joint

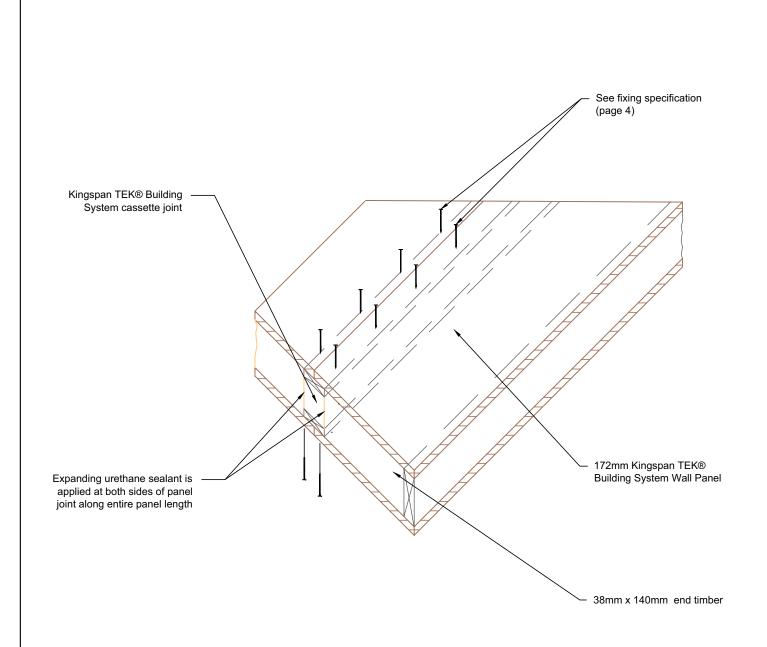
TEK 172

KIL-C2-TEK-172

Date:

30/10/14

Drawn by: Scale:
H.E. 1:10





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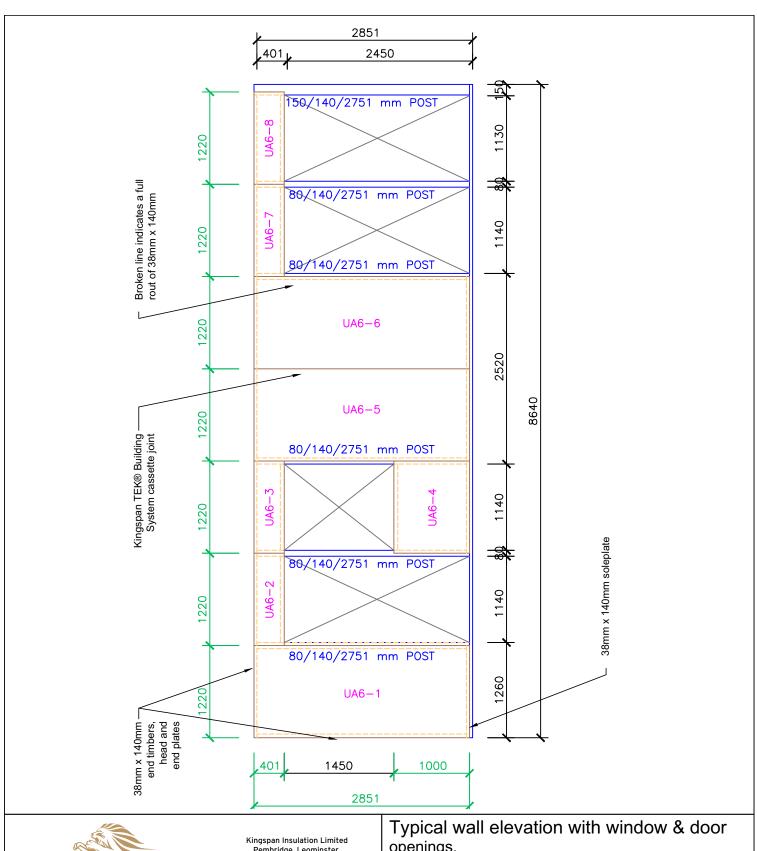
www.kingspantek.co.uk

OSB3 cassette panel joint

**TEK 172** 

KIL-C3-TEK-172

Date:				
30/	10/14		$\bigcirc$	
Drawn by: H.E.	Scale: 1:10	(	<u>ڻ</u>	





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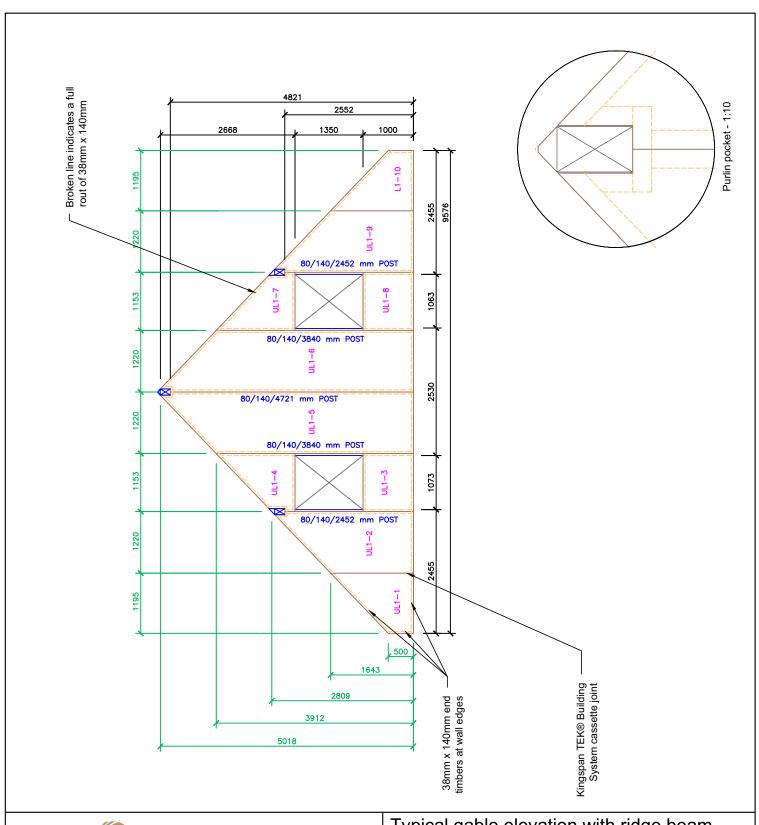
www.kingspantek.co.uk

openings.

**TEK 172** 

## KIL-C4-TEK-172/A

Date: 30/1	0/14		
Drawn by: H.E.	Scale: 1:50	4)	





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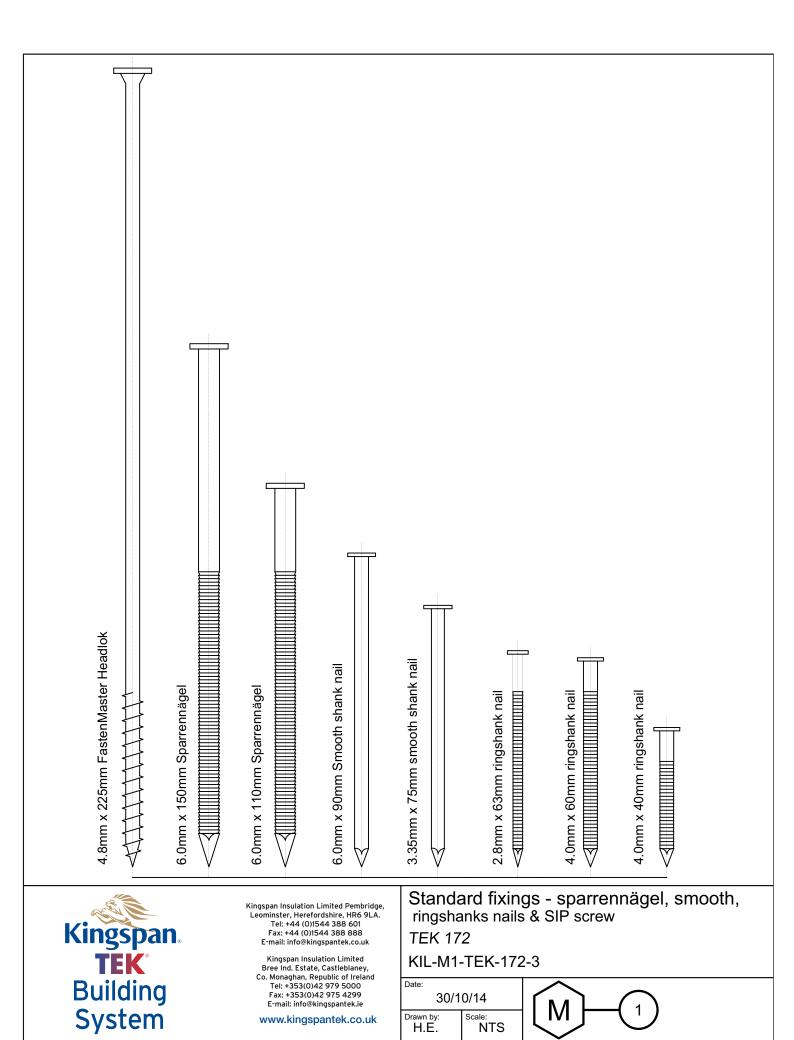
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Typical gable elevation with ridge beam pocket detail.

**TEK 172** 

## KIL-C5-TEK-172/A

Date: 30/10/14		5	
Drawn by: H.E.	Scale: 1:50		



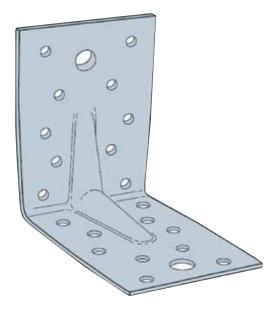
Drawn by: H.E.

E-mail: info@kingspantek.ie

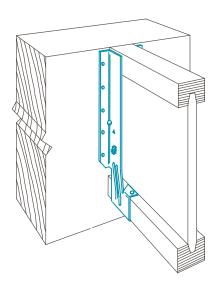
www.kingspantek.co.uk

30/10/14

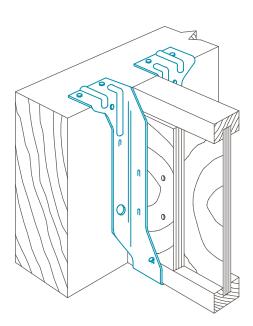
Scale: NTS



Angle bracket - NTS



Face mounted joist hanger



Top flange joist hanger with optional web-stiffness



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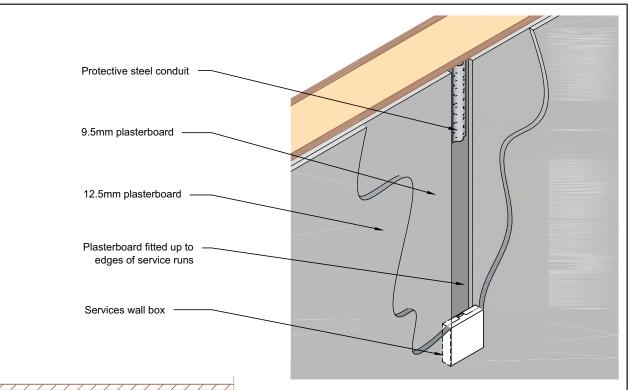
www.kingspantek.co.uk

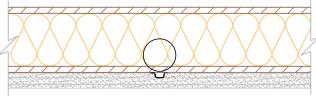
Standard fixings - hangers & brackets

**TEK 172** 

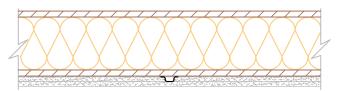
KIL-M2-TEK-172

Date: 30/10/14			
Drawn by: H.E.	Scale: 1:50		

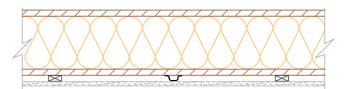




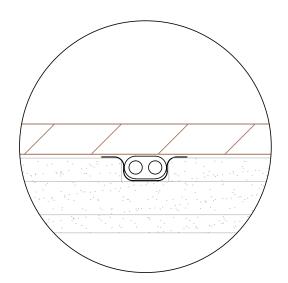
Wall section using triple layer plasterboard to create channel for party wall mounted services.



Wall section using double layer plasterboard to create channel for party wall mounted services.



Alternate method using plasterboard on counter battens to create channel for internal wall mounted services.





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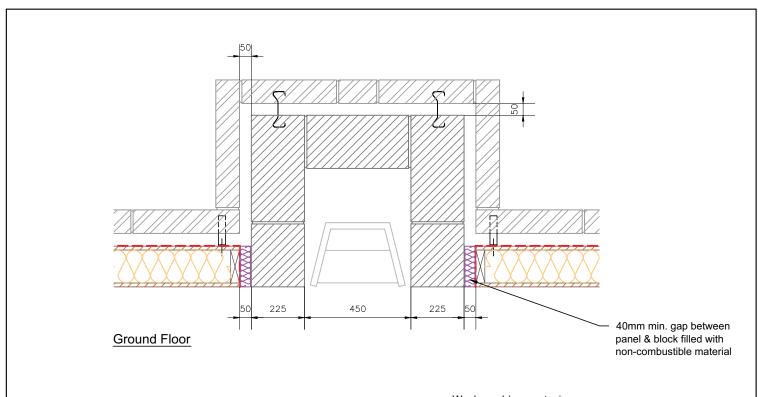
www.kingspantek.co.uk

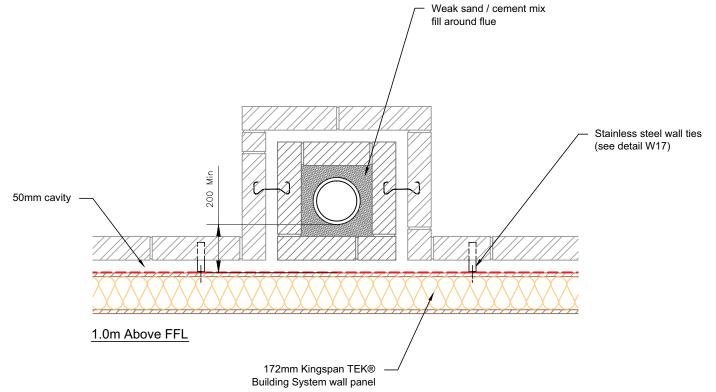
Wall mounted services detail - electrical

**TEK 172** 

KIL-M3-TEK-172

Date: 30/10/14		M	
Drawn by: H.E.	Scale: 1:10		







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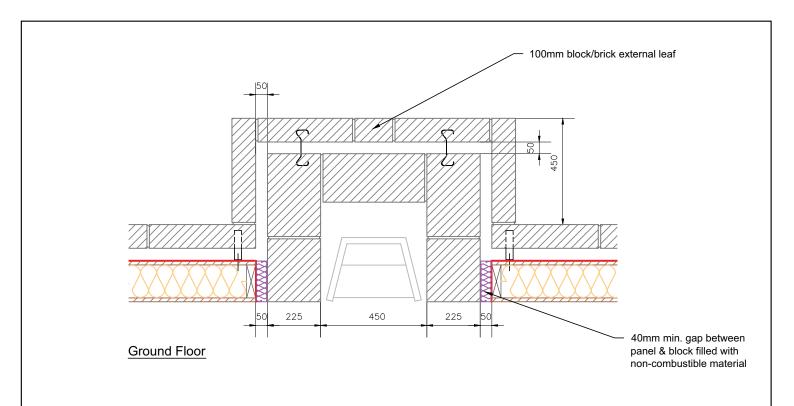
www.kingspantek.co.uk

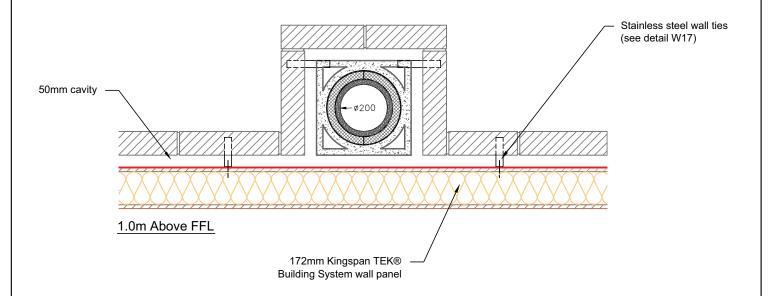
External fireplace recess & chimney

**TEK 172** 

KIL-M4-TEK-172

Date: 30/10/14			
Drawn by: H.E.	Scale: 1:10	4	







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Alternate external fireplace recess & chimney

**TEK 172** 

KIL-M5-TEK-172

Date:	Date: 30/10/14		M	
Drawn H.	_	Scale: 1:16		

# **Contact Details**

#### **Customer Service**

For quotations, order placement and details of despatches please contact the Kingspan Insulation Customer Service Department on the numbers below:

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- email: info@kingspantek.ie

## Technical Advice

Kingspan Insulation supports all of its products with a comprehensive Technical Advisory Service for specifiers, stockists and contractors.

This includes a computer-aided service designed to give fast, accurate technical advice. Simply phone the Kingspan Insulation Technical Service Department with your project specification. Calculations can be carried out to provide U-values, condensation / dew point risk, required insulation thicknesses etc... Thereafter any number of permutations can be provided to help you achieve your desired targets.

The Kingspan Insulation Technical Service Department can also give general application advice and advice on design detailing and fixing etc... Site surveys are also undertaken as appropriate.

The Kingspan Insulation British Technical Service Department operates under a management system certified to the BBA Scheme for Assessing the Competency



of Persons to Undertake U-value and Condensation Risk Calculations.

Please contact the Kingspan Insulation Technical Service Department on the numbers below:

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- Fax: +44 (0) 1544 387 482

- email: technical@kingspantek.co.uk

Ireland - Tel: +353 (0) 42 975 4297

- Fax: +353 (0) 42 975 4296

- email: technical@kingspantek.ie

## Literature & Samples

Kingspan Insulation produces a comprehensive range of technical literature for specifiers, contractors, stockists and end users. The literature contains clear 'user friendly' advice on typical design; design considerations; thermal properties; sitework and product data.

Kingspan **TEK**® technical literature is an essential specification tool. For copies please contact the Kingspan Insulation Marketing Department or visit the Kingspan **TEK**® website, using the details below:

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- email: literature@kingspantek.co.uk- www.kingspantek.co.uk/literature

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- email: info@kingspantek.co.uk

Ireland - Tel: +353 (0) 42 979 5000 - Fax: +353 (0) 42 975 4299

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