



Kingspan **TEK**® Building System

STANDARD DETAILS FOR 142 MM STRUCTURAL
INSULATED PANELS



Fibre-free
Core


Kingspan®

*Low Energy –
Low Carbon Buildings*

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Floor Details

- F1 Section through typical separating wall & floor assemblies incorporating room in roof.
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- R13 **Kingspan TEK® Building System** external wall junction with warm deck flat roof – timber frame parapet wall.

Construction Details

- C1 Typical panel joints for **Kingspan TEK® Building System** wall panels.
- C2 Timber post panel joint.
- C3 OSB3 cassette panel joint.
- C4 Typical wall elevation with window & door openings.
- C5 Typical gable elevation with ridge beam pocket detail.

Miscellaneous Details

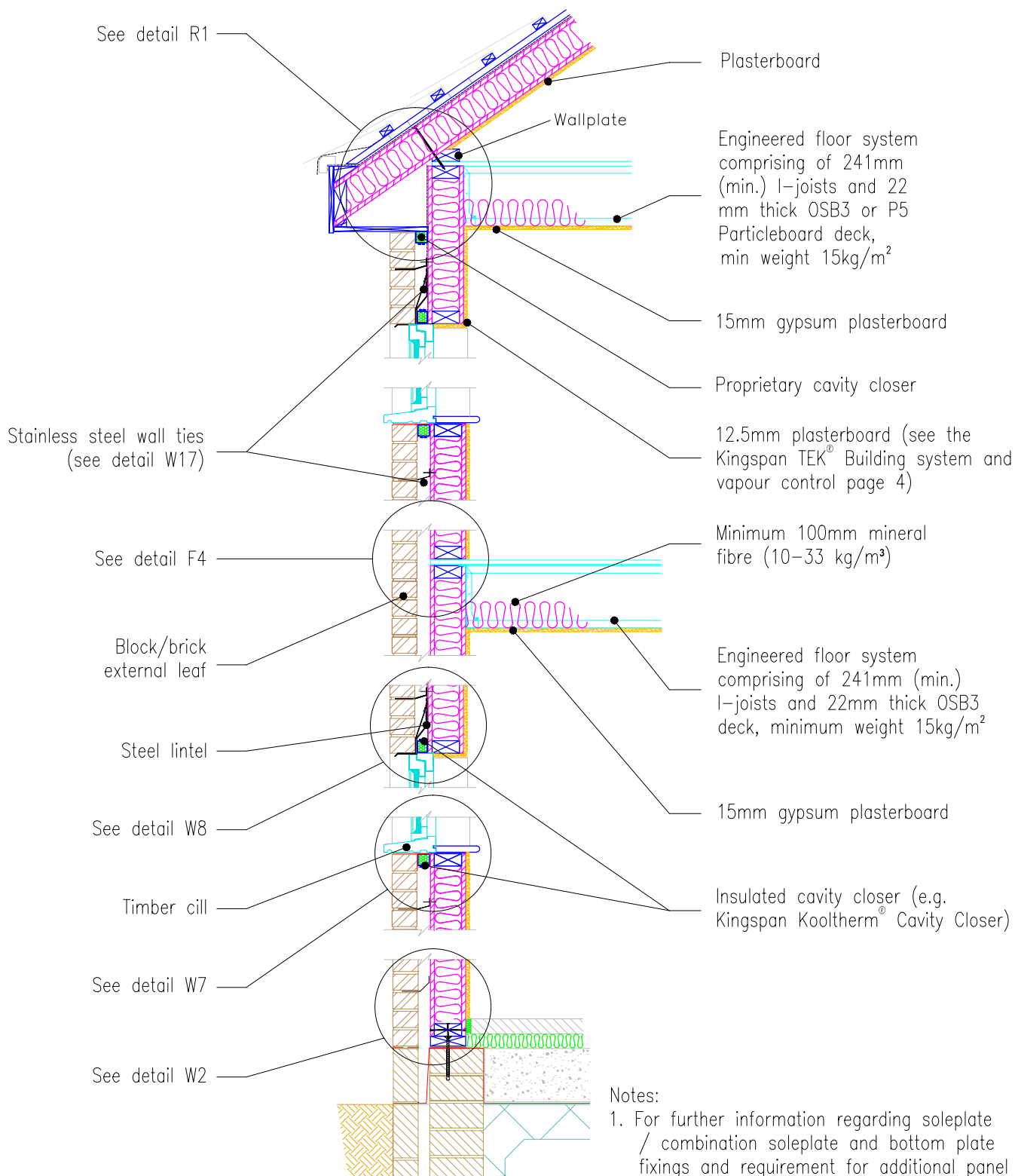
- M1 Standard fixings – sparrennagel, smooth ringshank nails & SIP screw.
- M2 Standard fixings – hangers & brackets.
- M3 Wall mounted services detail – electrical.
- M4 External fireplace recess & chimney.
- M5 Alternate external fireplace recess & chimney.

*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 <i>Kingspan TEK®</i> 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 TEK®</i> 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 <i>Kingspan TEK®</i> 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 TEK®</i> Building System panels	2.8 mm x 63 mm galvanized ring-shank nails	50 mm centres both sides of the panel
Fixing <i>Kingspan TEK®</i> Building System wall panels at corner joints	6.0 mm x 210 mm sparrennagel or 4.8 mm x 203 mm FastenMaster Headlok	Typically 300 mm centres for sparrennagel (4.0 mm dia. pre-drilled holes required.) Typically 350 mm centres for FastenMaster Headlok screws
Fixing <i>Kingspan TEK®</i> Building System roof sections at wall/floor junctions, ridge beams, intermediate purlins and gable walls	6.0 mm x 210 mm sparrennagel or 4.8 mm x 203 mm FastenMaster Headlok	Typically 300 mm centres for sparrennagel (4.0 mm dia. pre-drilled holes required.) 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 <i>Kingspan TEK®</i> 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 <i>Kingspan TEK®</i> 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.



Notes:

1. For further information regarding soleplate / combination soleplate and bottom plate fixings and requirement for additional panel restraint see Fixing Specifications (page 4)
2. Internal floor to provide a minimum Rw of 40dB



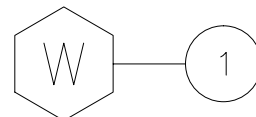
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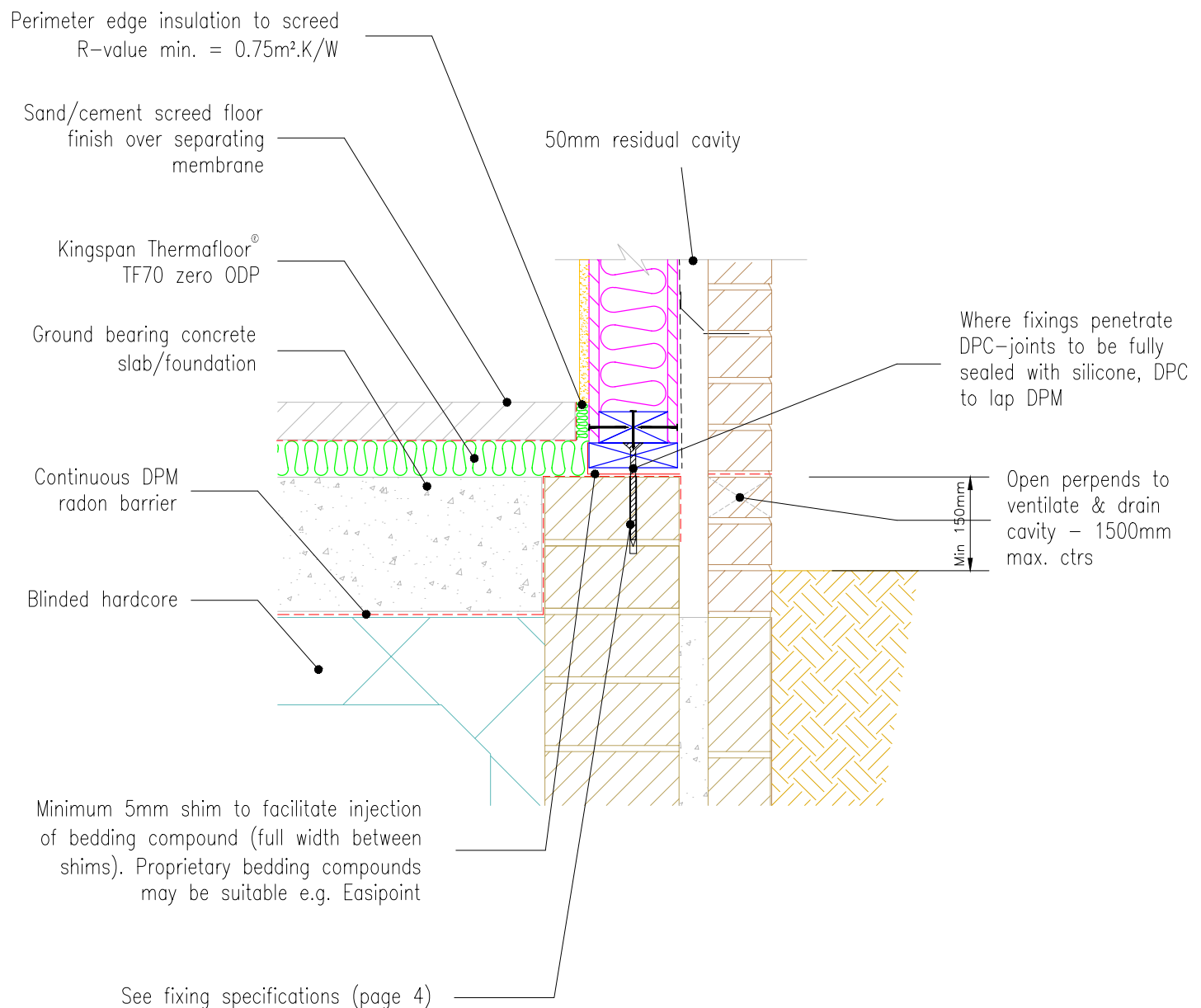
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Typical wall section.

Date: 2/7/10

Drawn by: J.L. Scale: 1:25





Notes:

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. Slab should be levelled and shimmed along line of walls to create a level platform for wall construction

Shim Thickness	Shim Colour
2mm	Purple
3mm	Green
4mm	Yellow
5mm	Blue
6mm	Black



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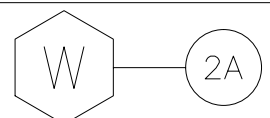
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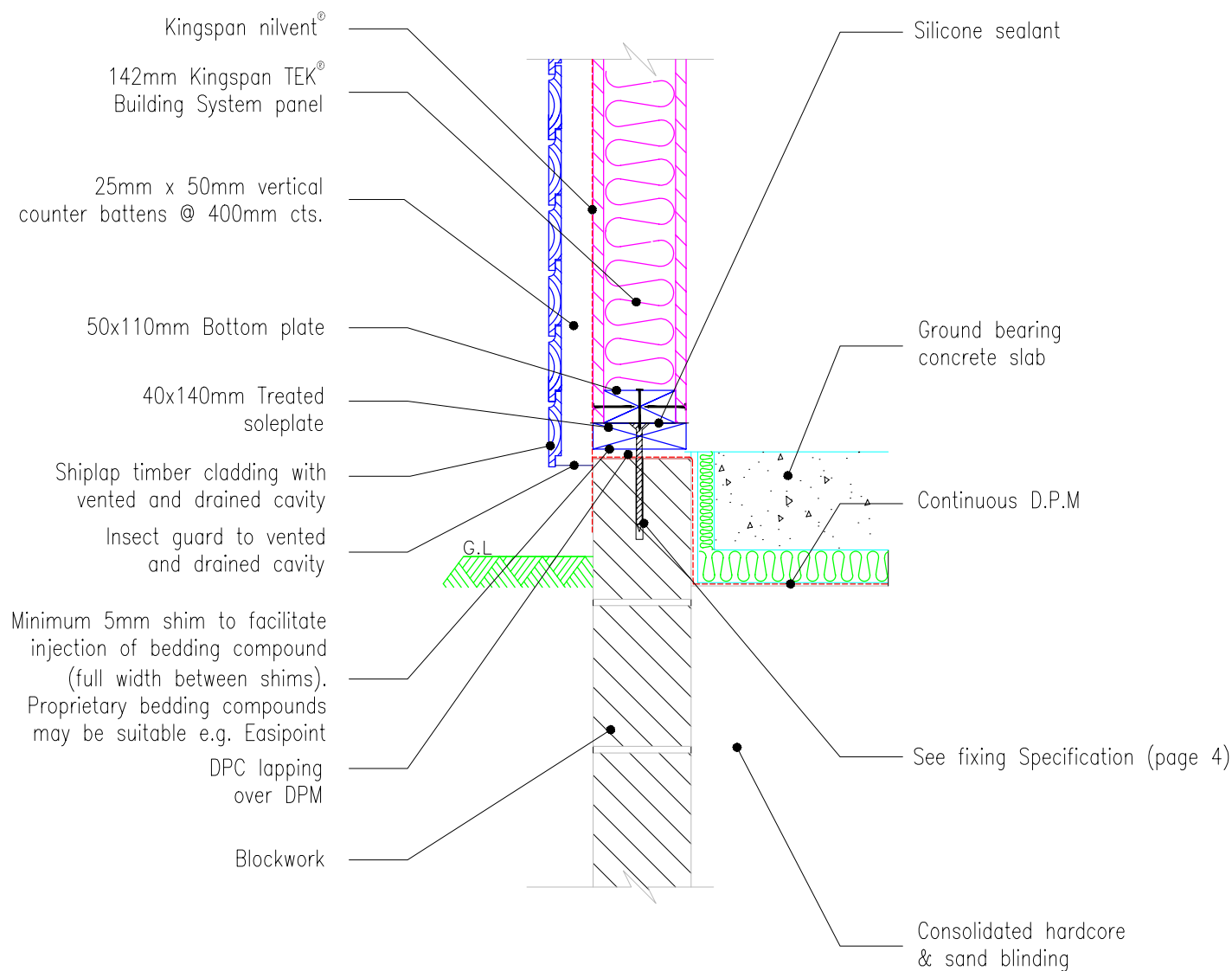
Sectional elevation through
soleplate fixing detail.

Ground bearing slab

Date:
2/7/10

Drawn by: J.L. Scale: 1:10





Notes:

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

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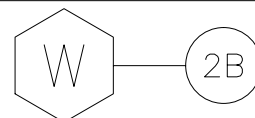
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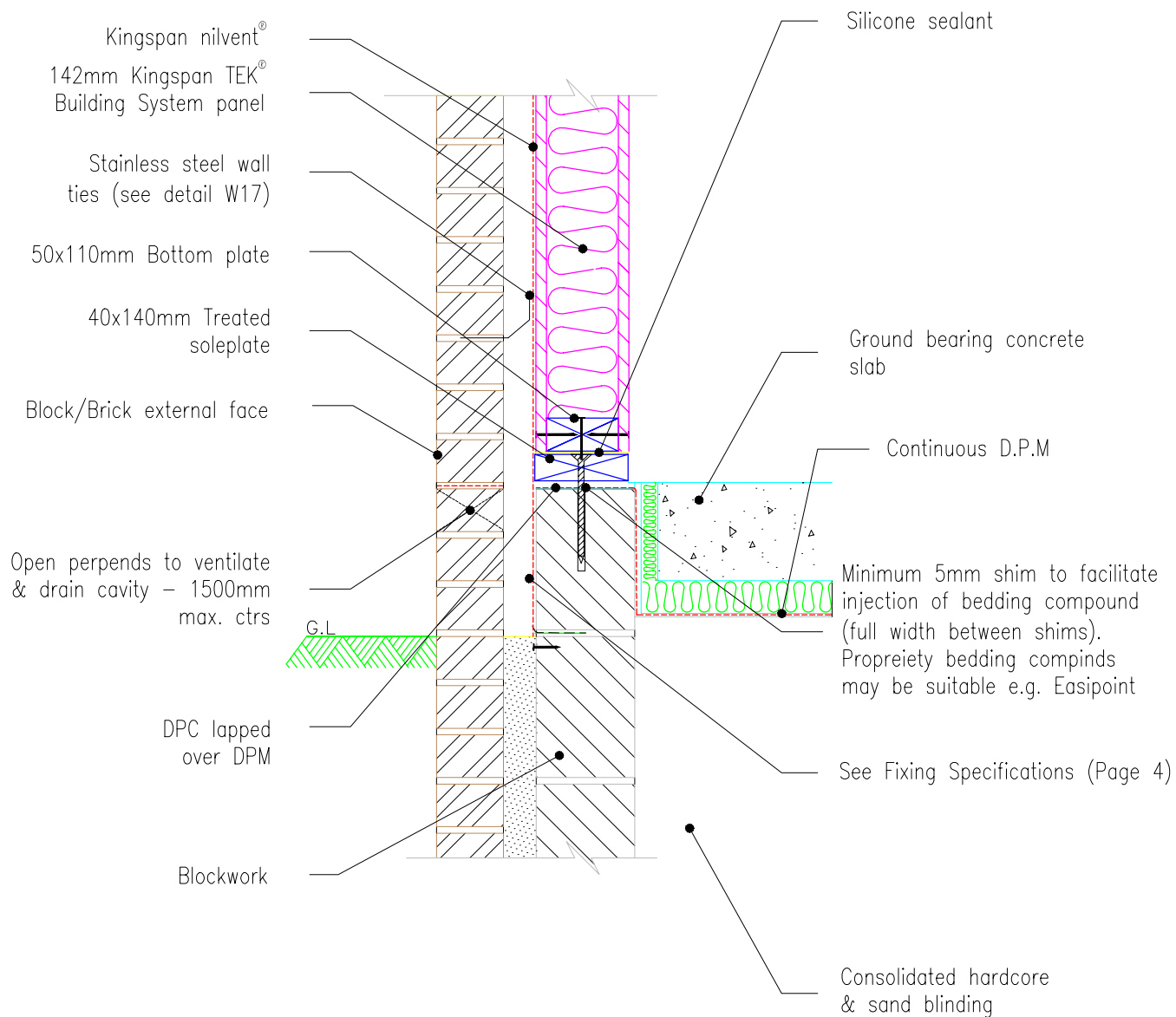
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Typical ground bearing floor slab detail with ventilated cladding

Date: 2/7/10

Drawn by: J.L. Scale: 1:10



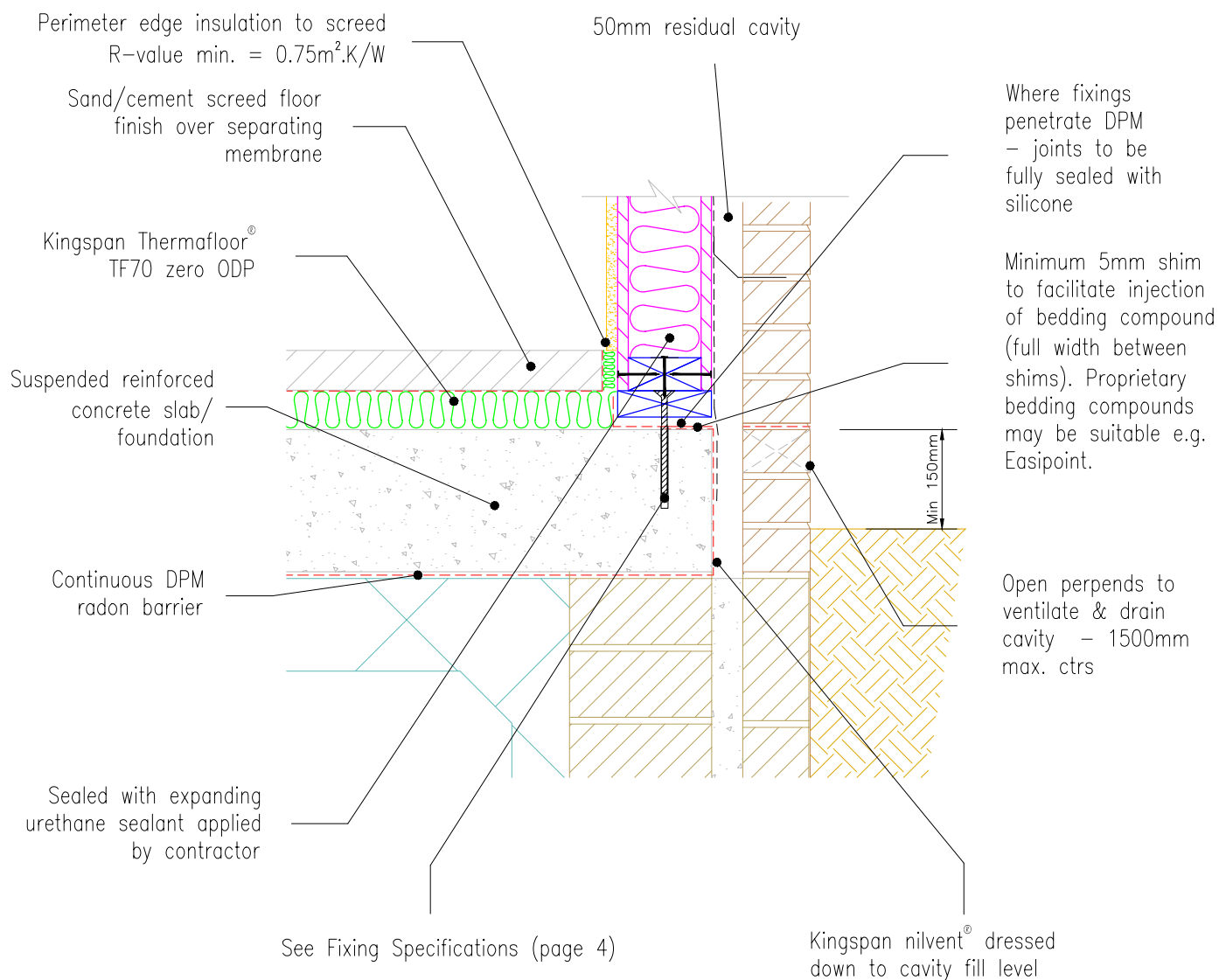


Notes:

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

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		<p>Date: 2/7/10</p>	
		<p>Drawn by: J.L.</p>	



Notes:

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. Slab should be levelled and shimmed along line of walls to create level platform for wall construction.

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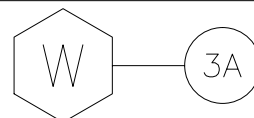
**Sectional elevation through
soleplate fixing detail.**

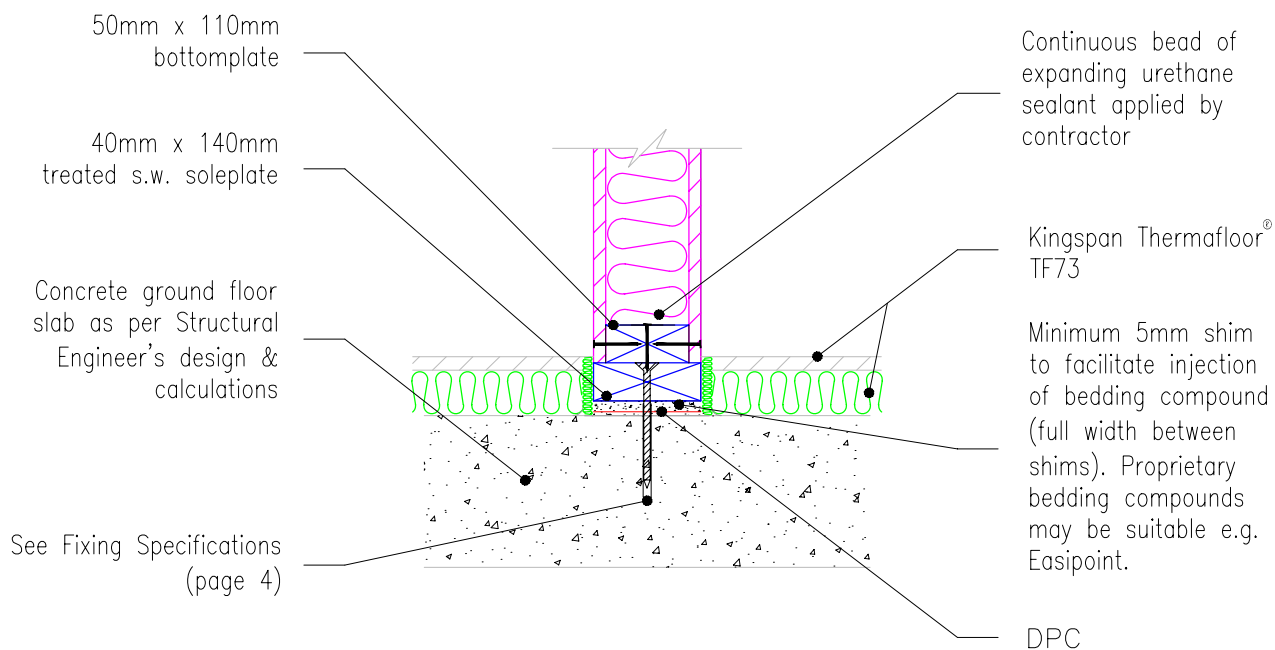
**Suspended reinforced
concrete slab.**

Date:
2/7/10

Drawn by:
J.L.

Scale:
1:10





Notes:

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2. Slab should be levelled and shimmed along line of walls to create level platform for wall construction.

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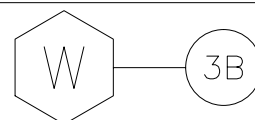
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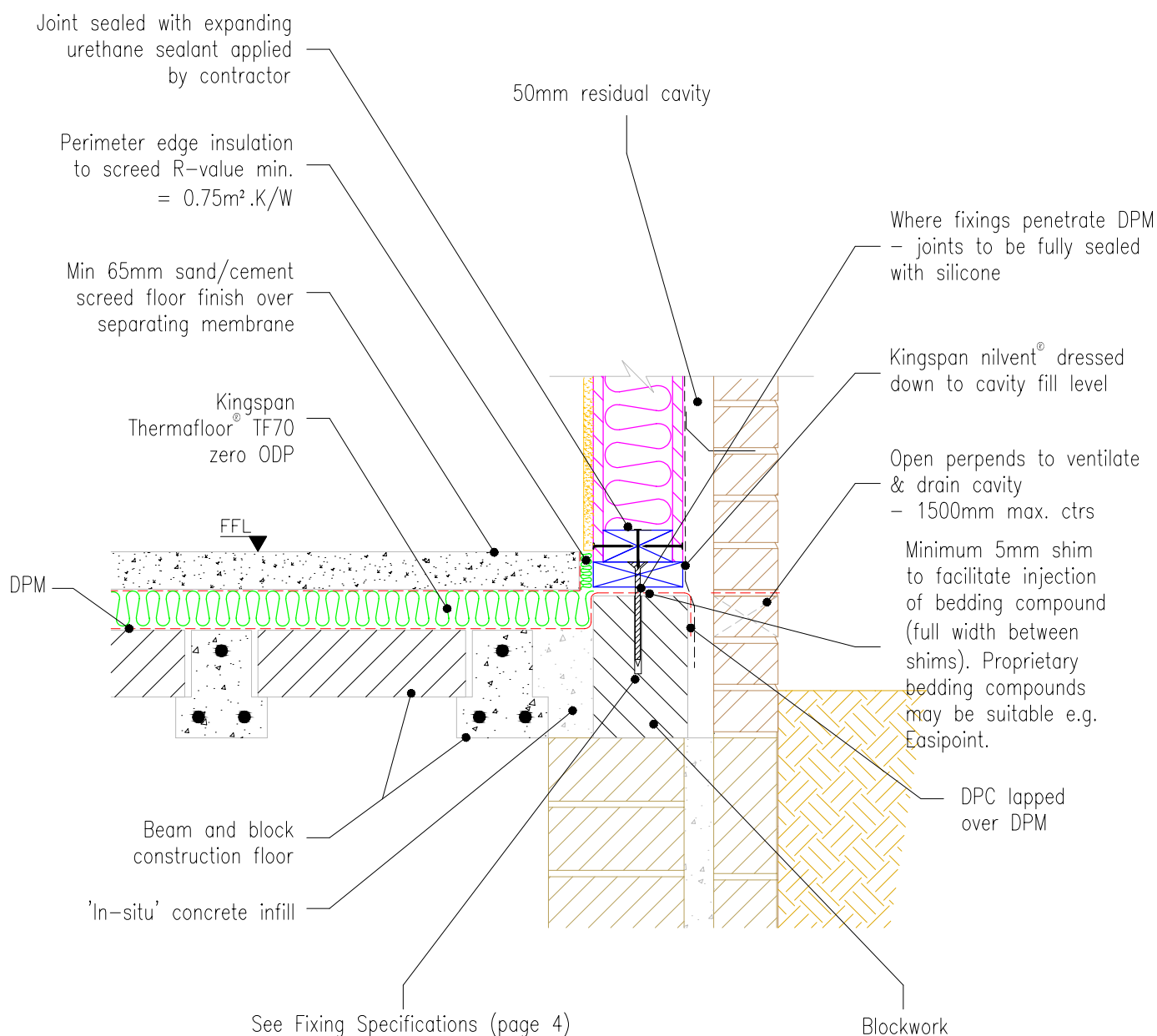
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**Sectional elevation through
wall junction with ground
floor slab.**

Date: 2/7/10

Drawn by: J.L. Scale: 1:10





Notes:

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

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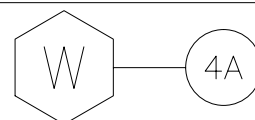
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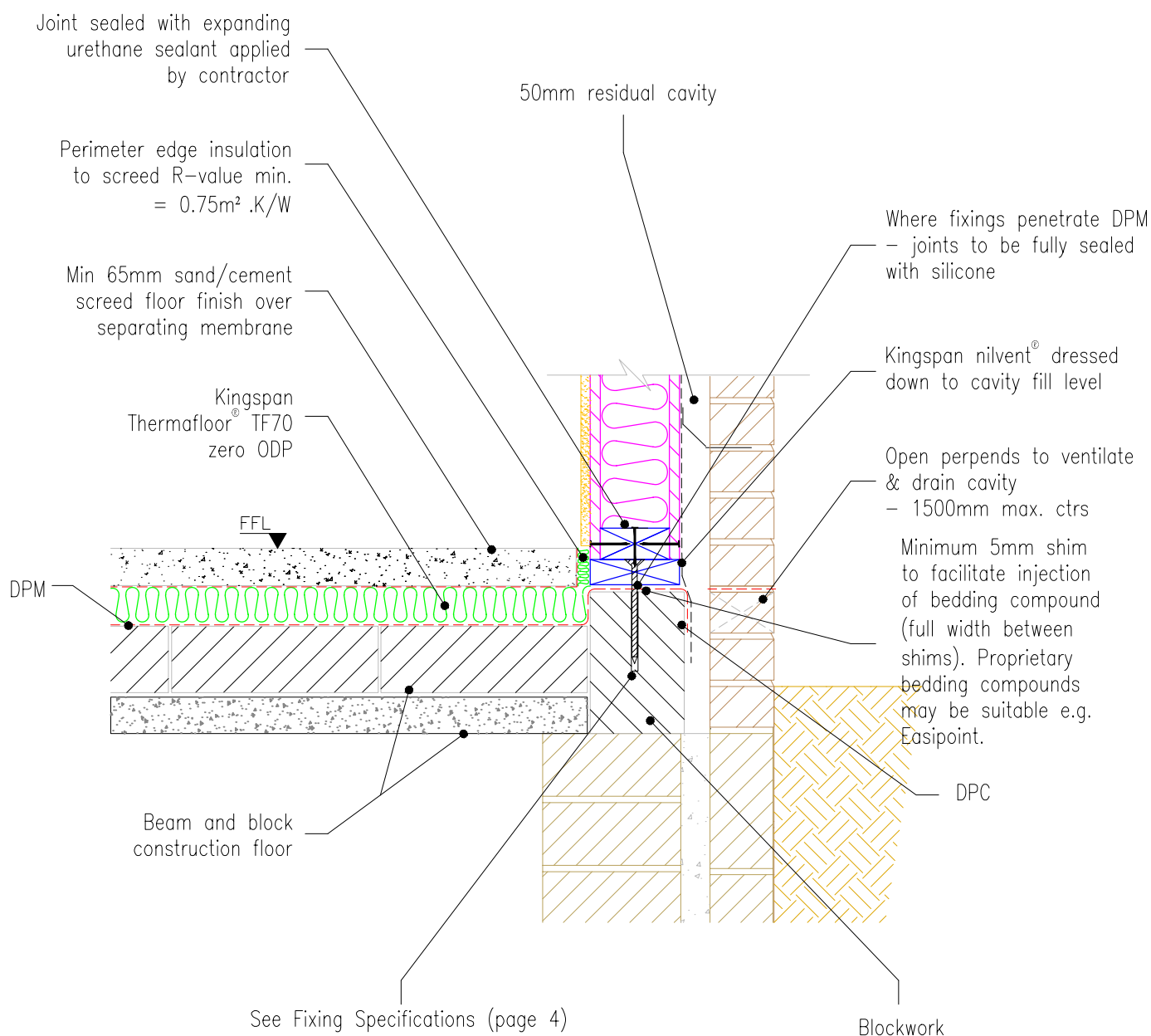
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Sectional elevation through Beam and block floor support.

Date: 2/7/10

Drawn by: J.L. Scale: 1:10





Notes:

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

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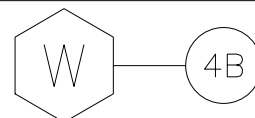
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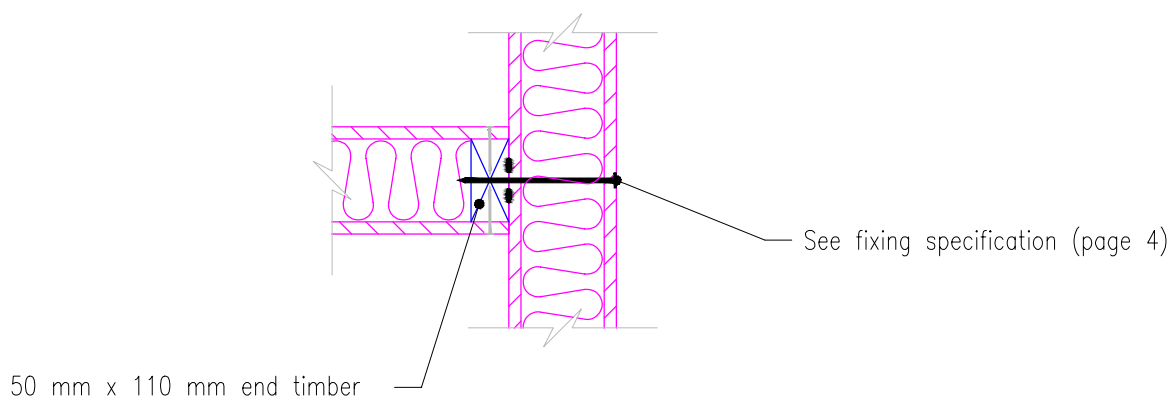
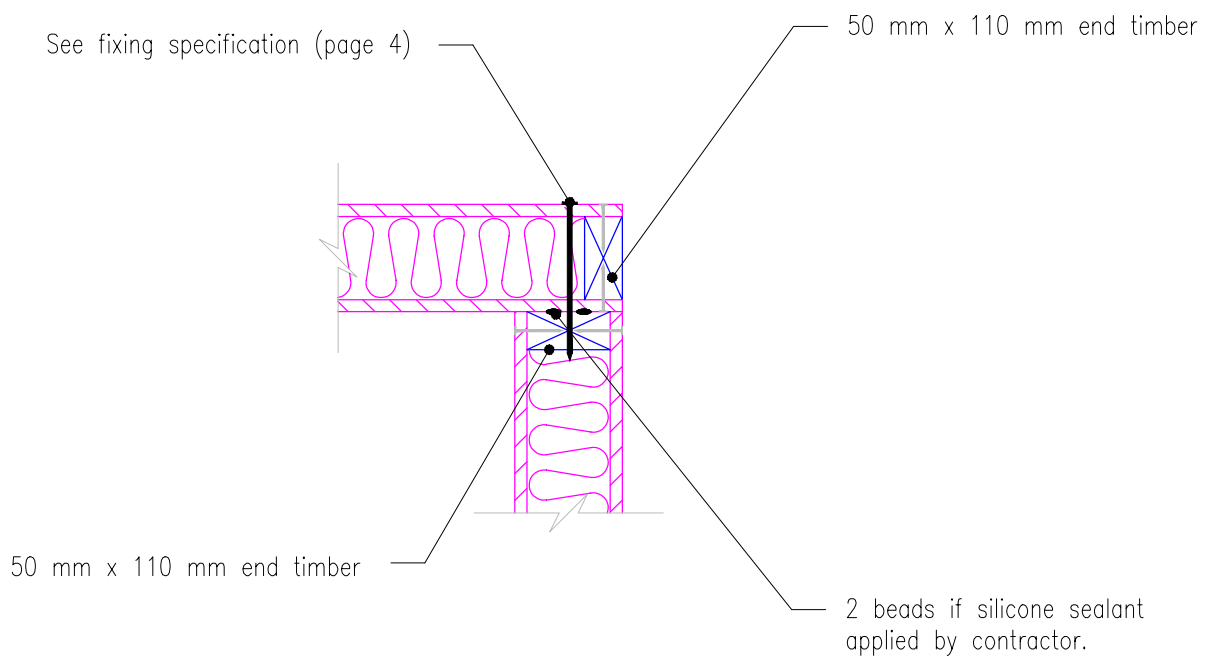
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Sectional elevation through beam and block floor support.

Date: 2/7/10

Drawn by: J.L. Scale: 1:10





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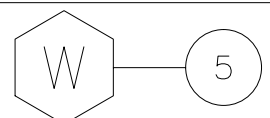
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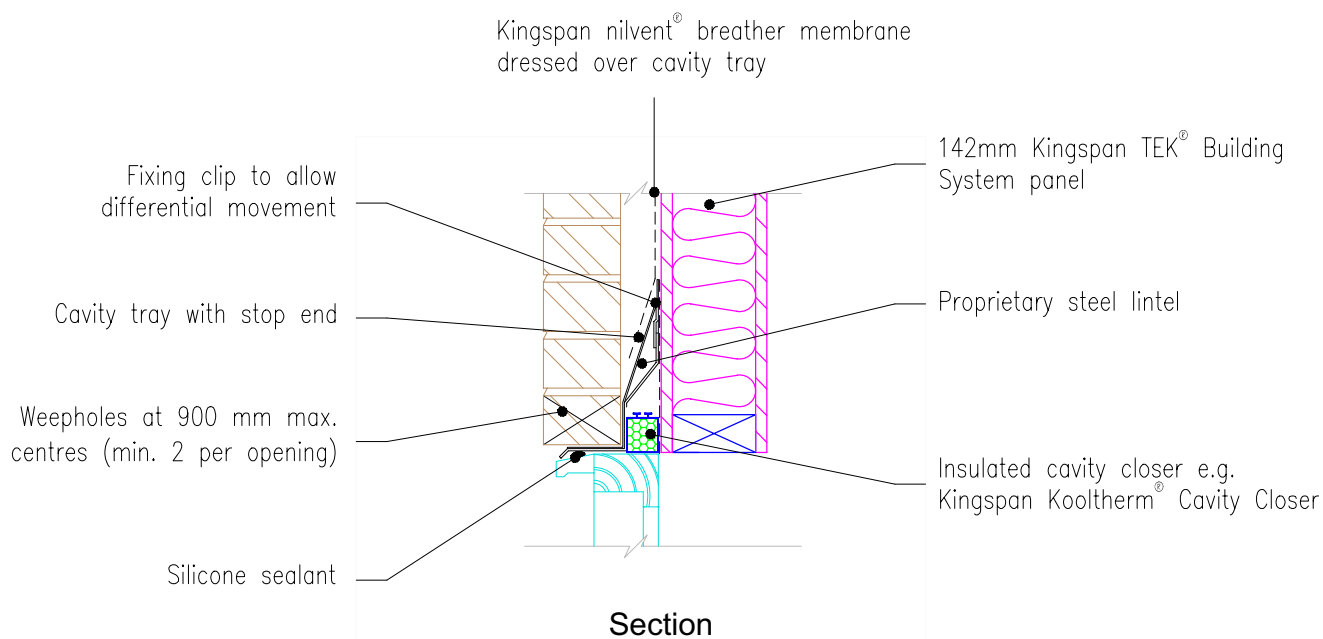
**Plan showing typical wall
connection detail.**

Corner & T-junction.

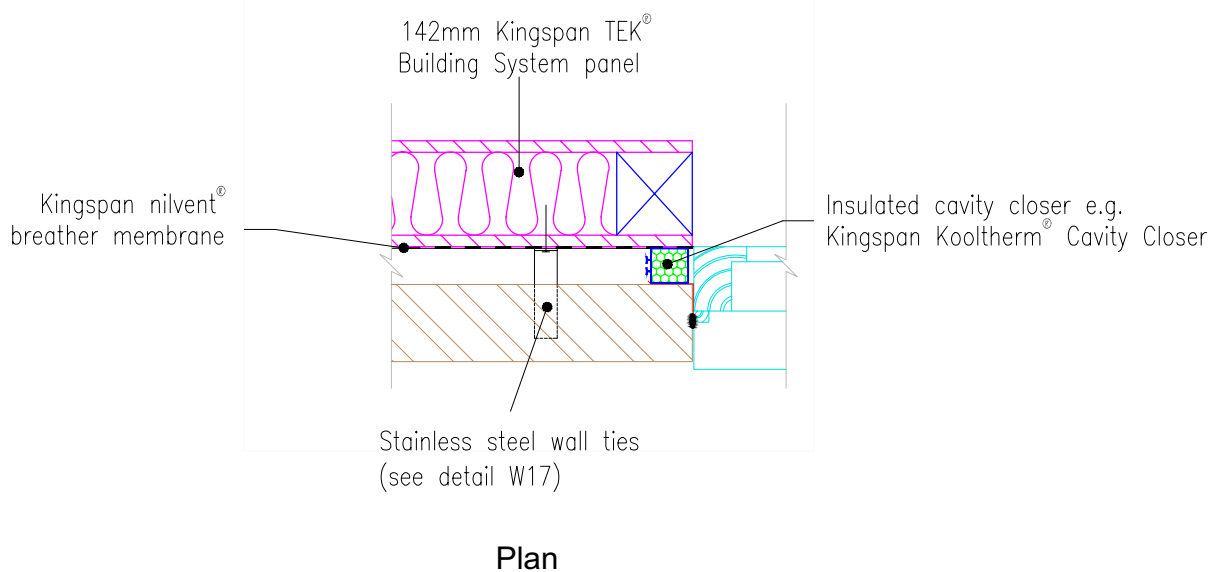
Date: 2/7/10

Drawn by: J.L. Scale: 1:10





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



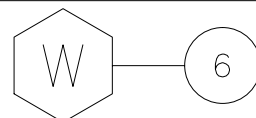
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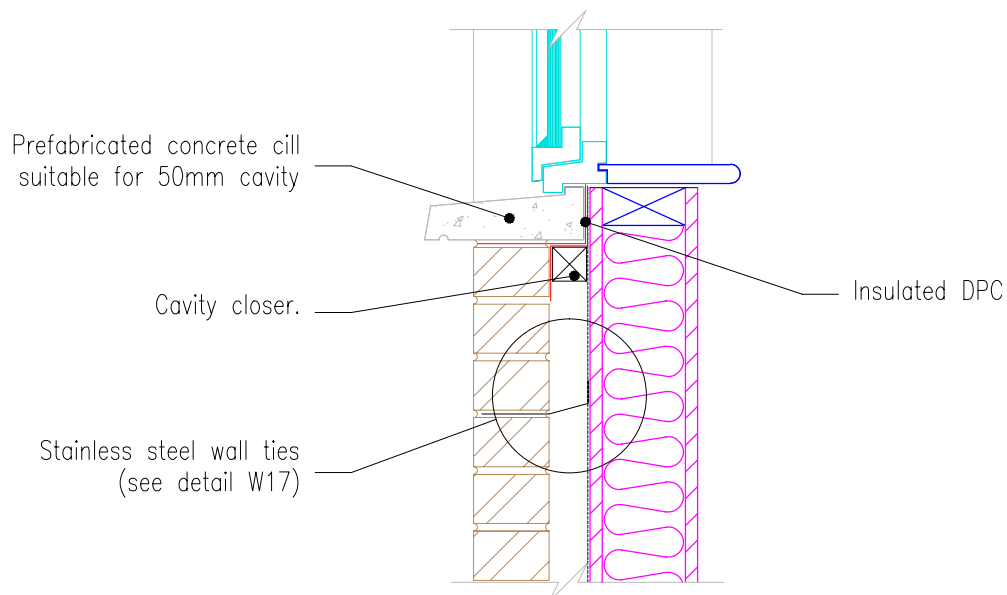
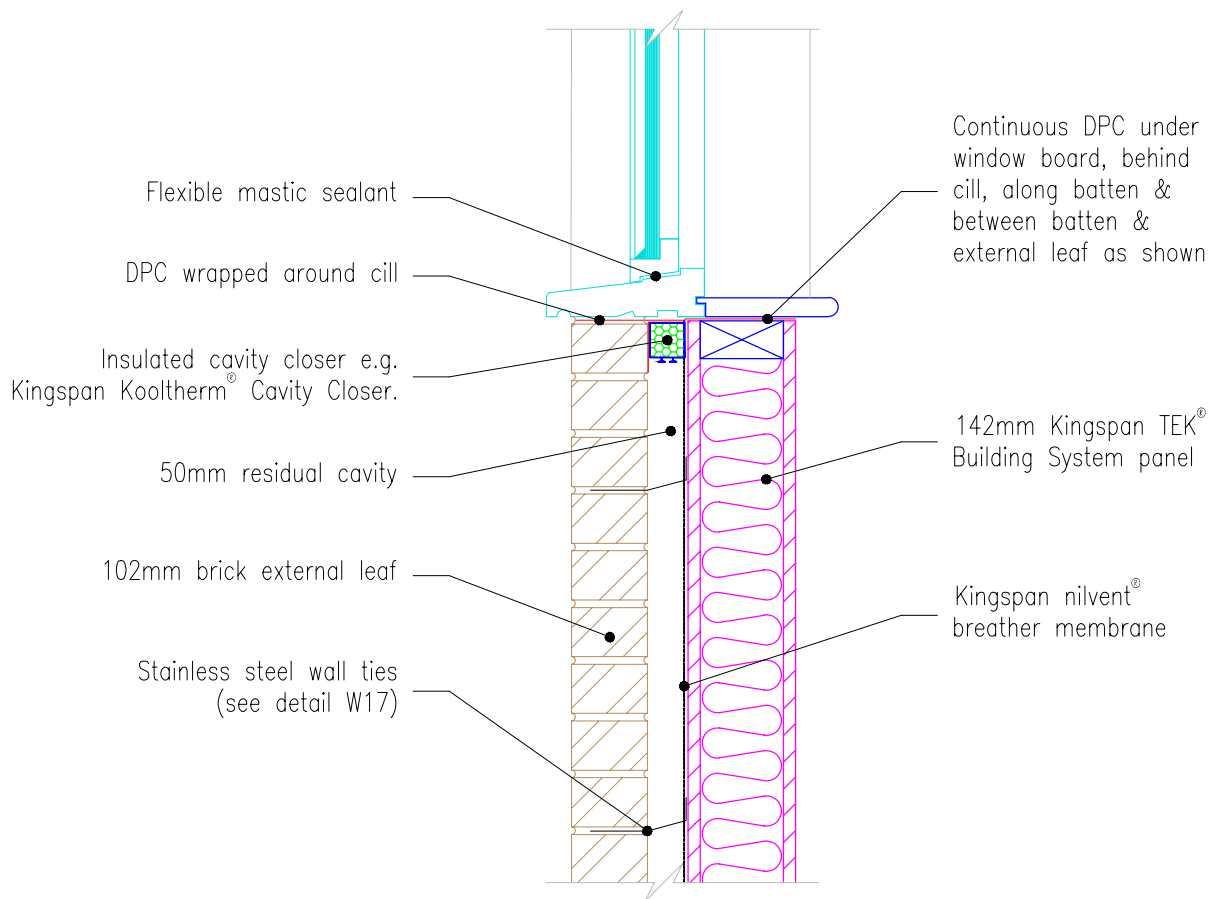
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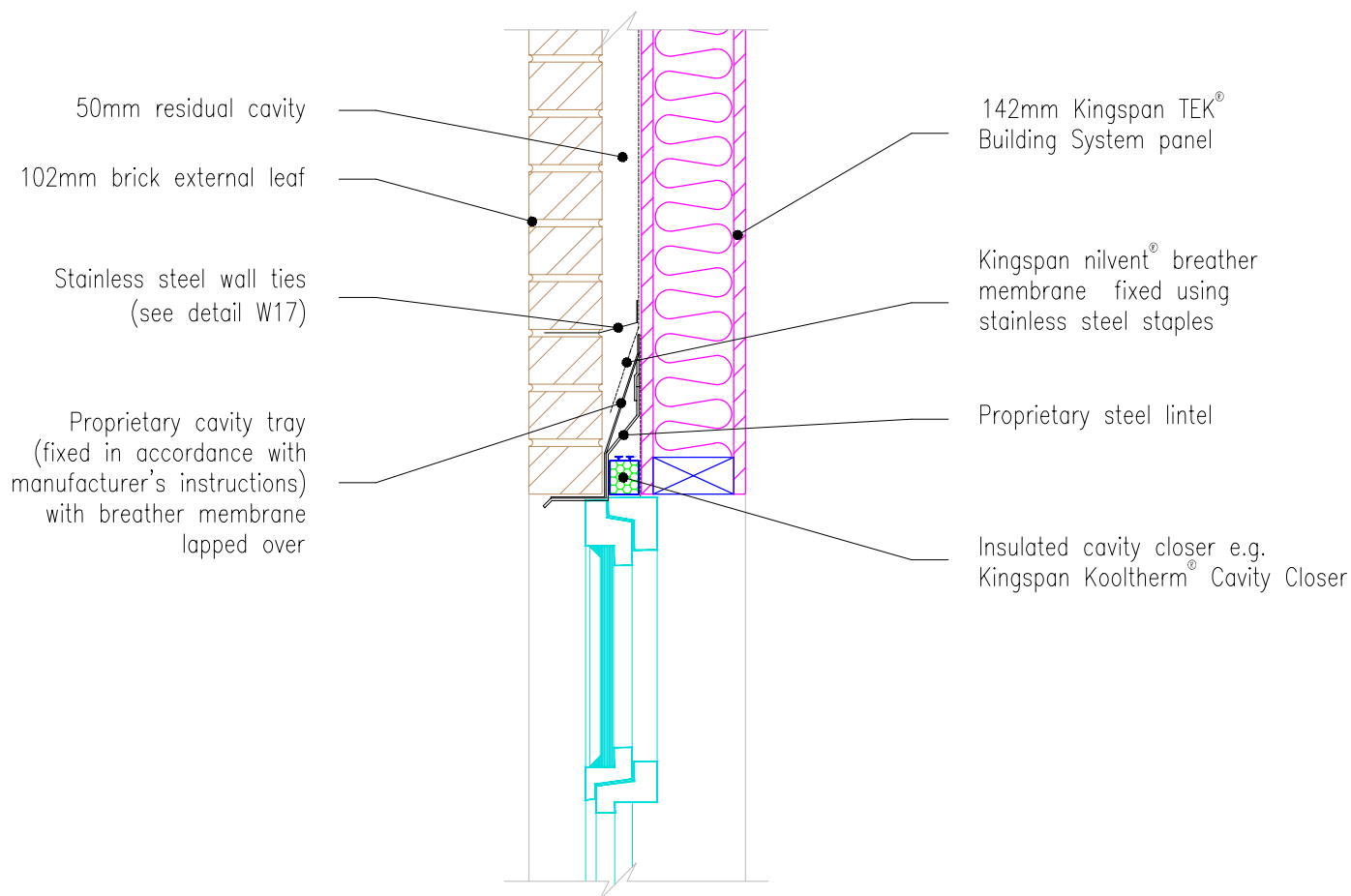
**Typical window detail
 - brickwork external leaf detail.**

Date: 2/7/04

Drawn by: W.M. Scale: 1:10







Notes:

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



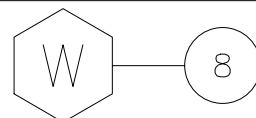
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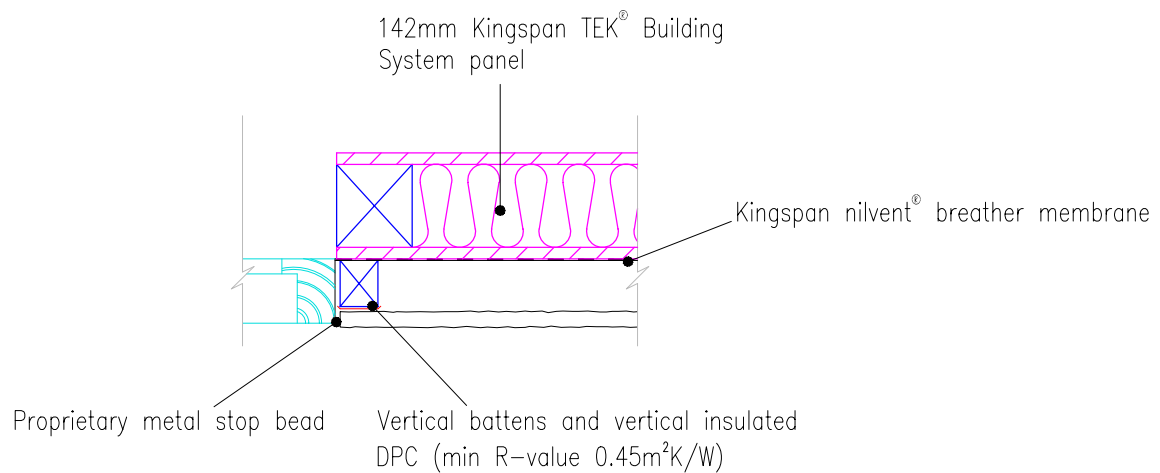
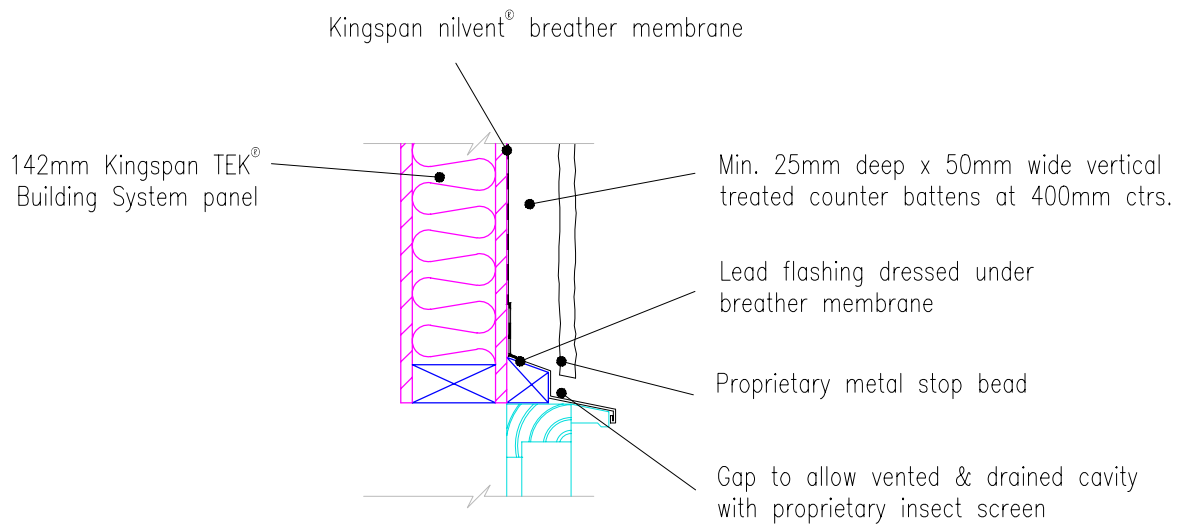
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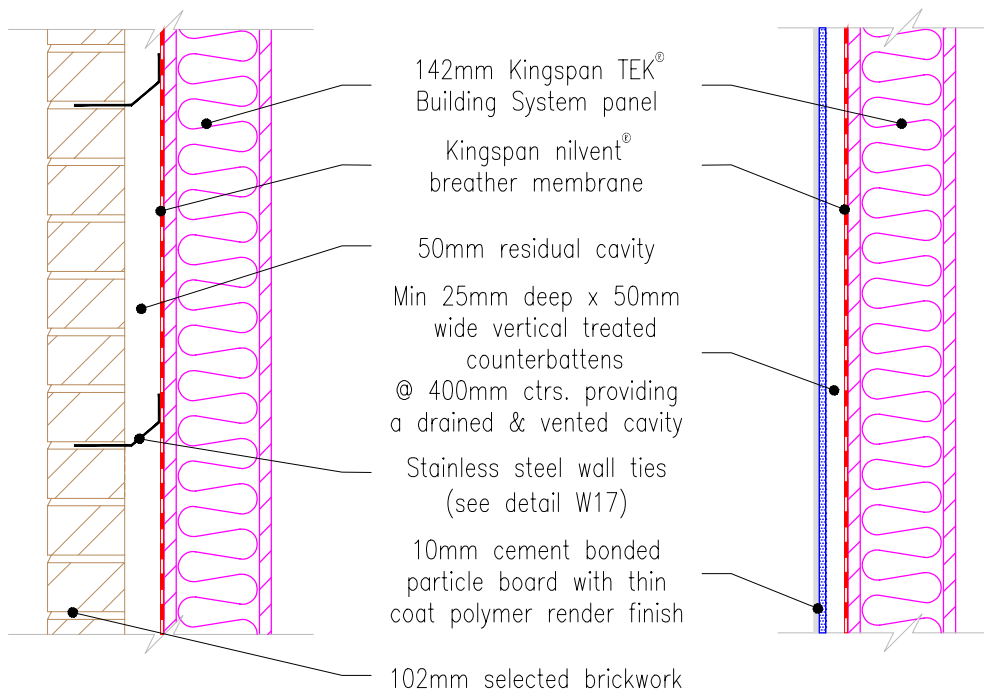
Typical section at window
head - brickwork external leaf.

Date: 2/7/10

Drawn by: J.L. Scale: 1:10

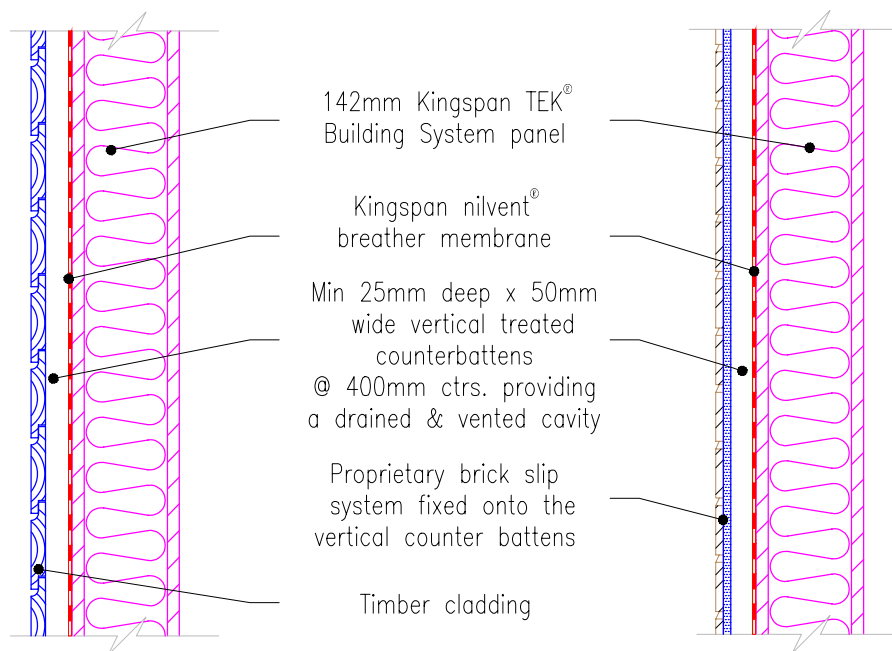






Brick cavity finish

Thin coat polymer render on vertical battens

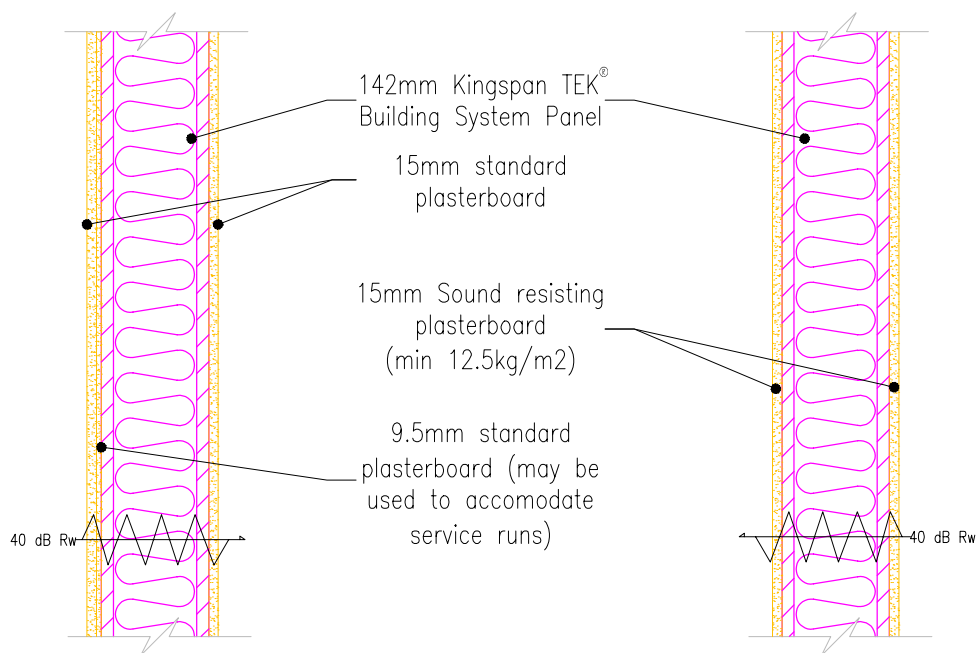


Horizontal timber cladding finish on vertical battens

Proprietary brick slip finish on vertical battens

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

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		<p>Date: 2/7/10</p> <p>Drawn by: J.L. Scale: 1:10</p>	

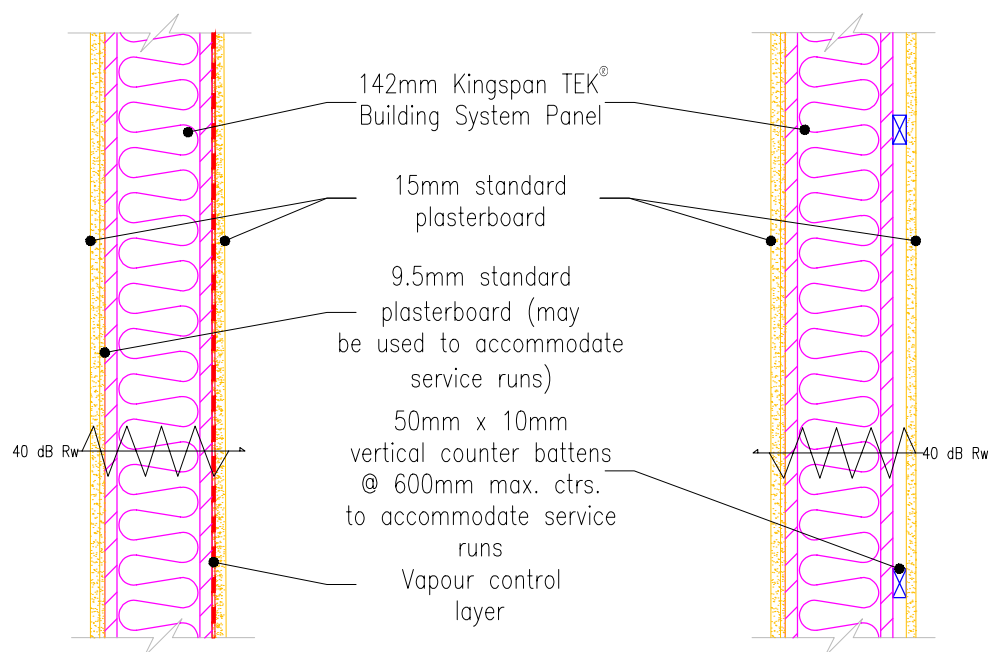


Preferred internal wall construction (1)

(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.



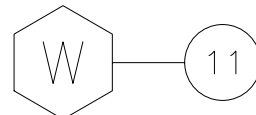
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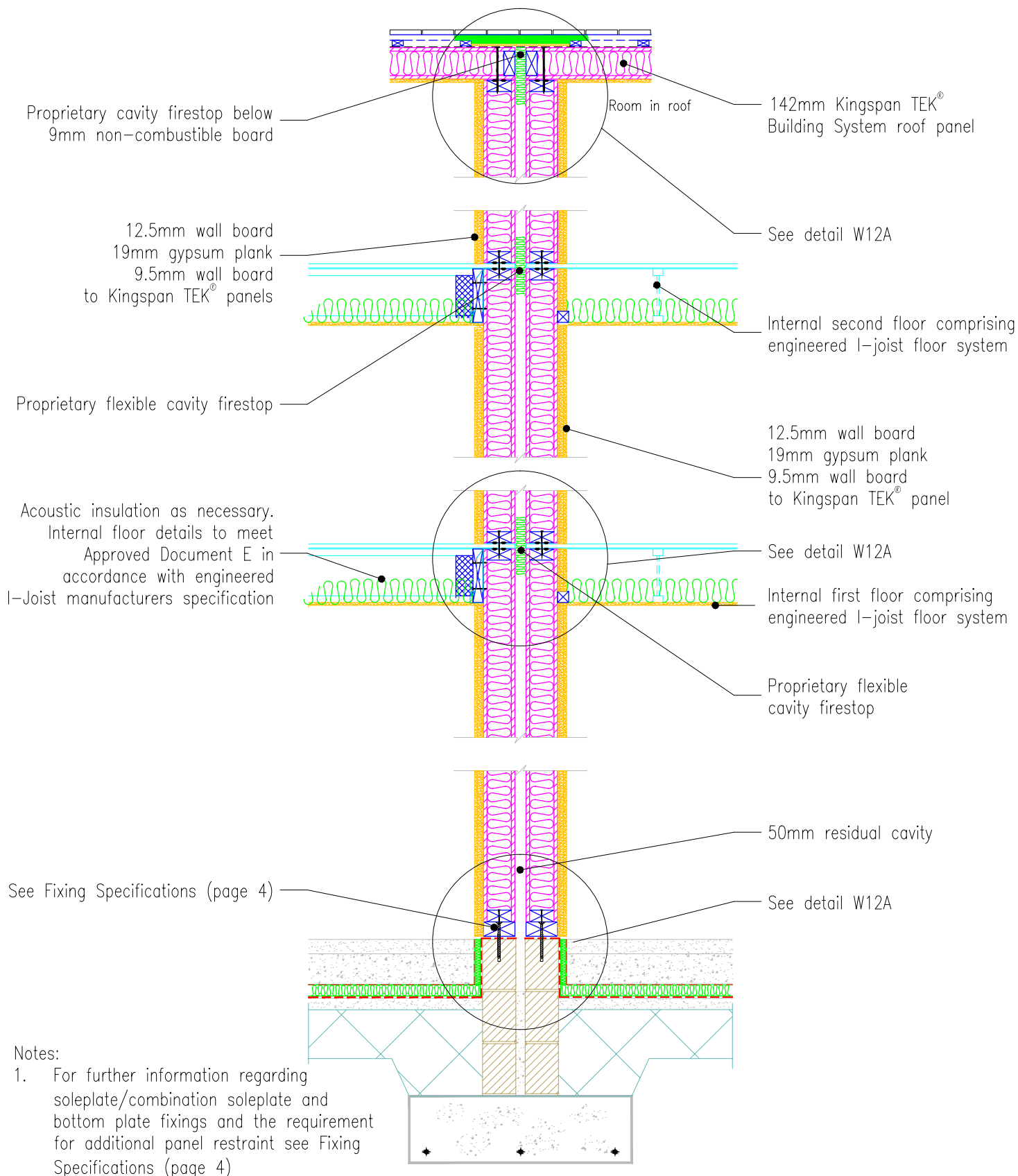
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Plan view of internal Kingspan TEK® Building System Walls

Date: 2/7/10

Drawn by: J.L. Scale: 1:10





Notes:

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


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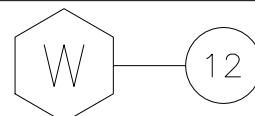
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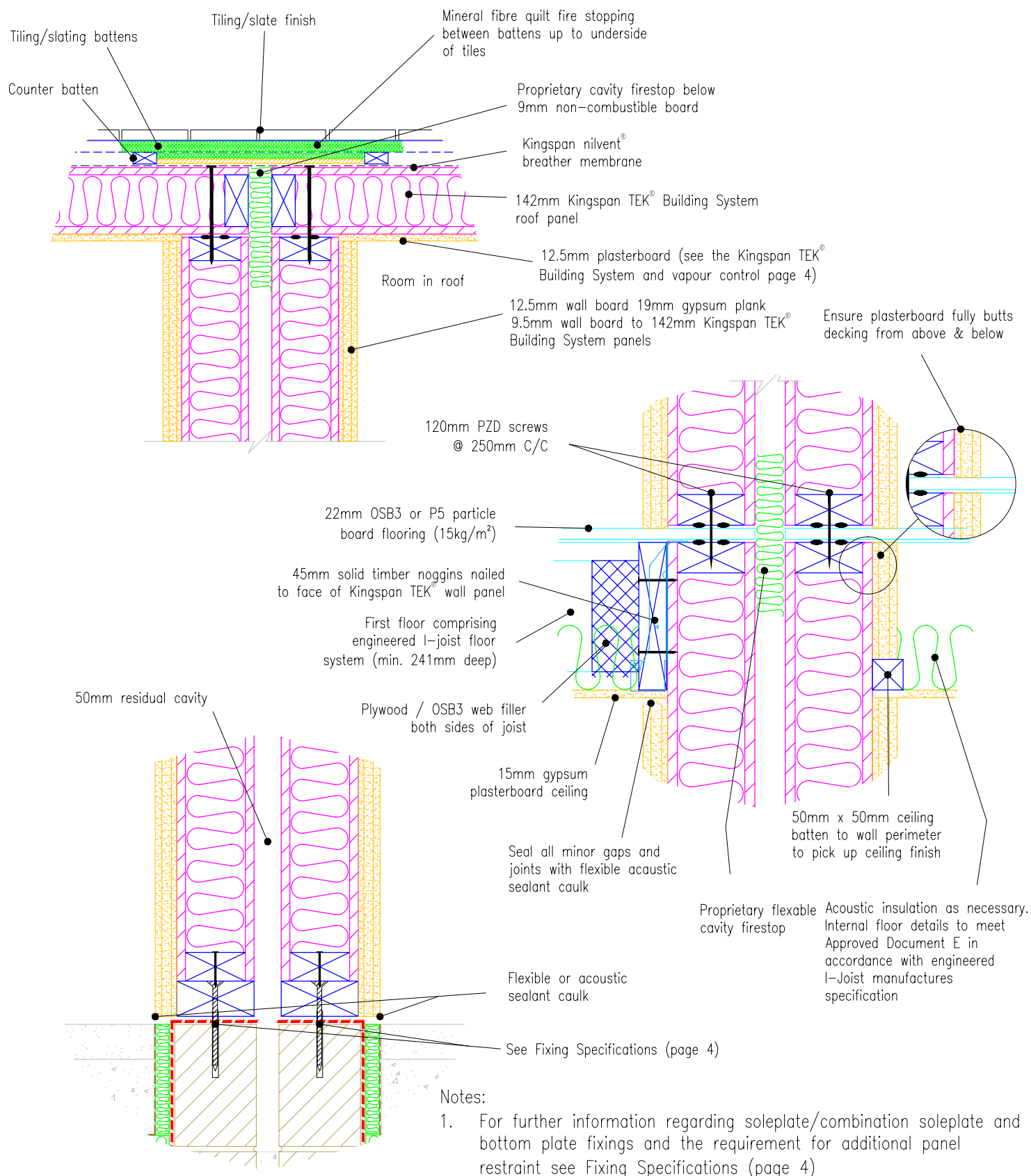
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**Typical separating wall section
incorporating room in roof.**

Date: 2/7/10

Drawn by: J.L. Scale: 1:25





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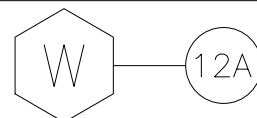
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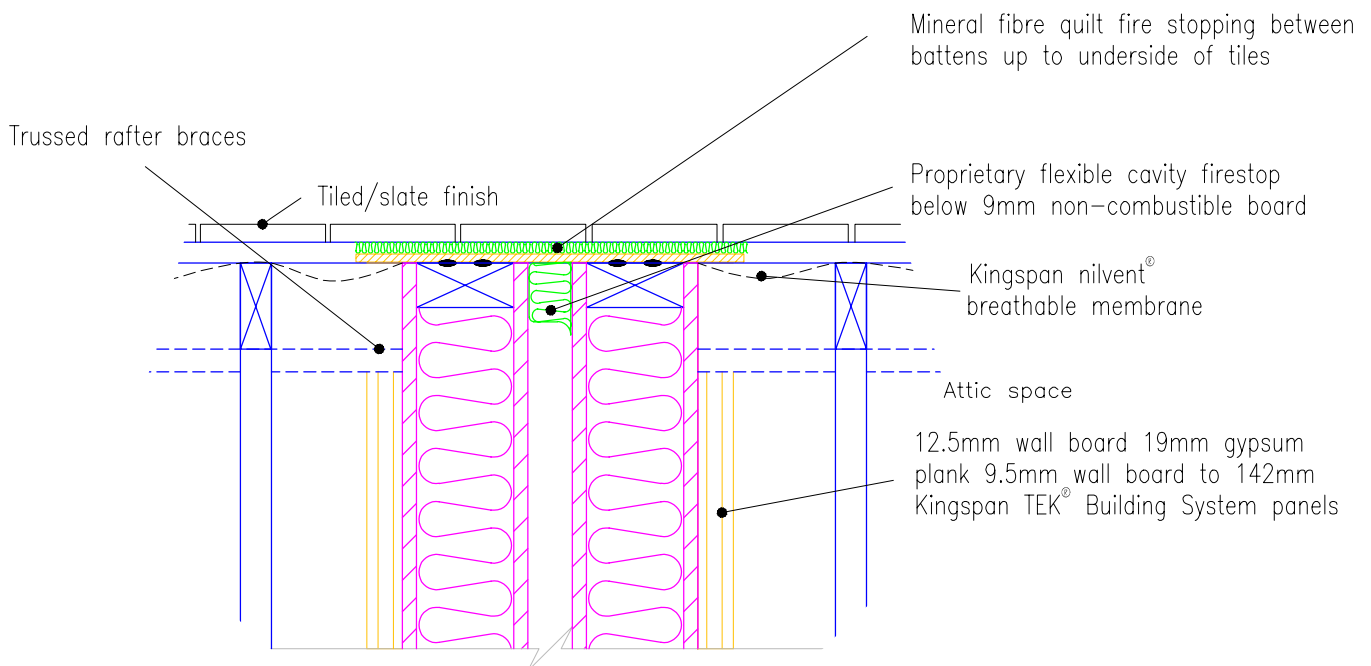
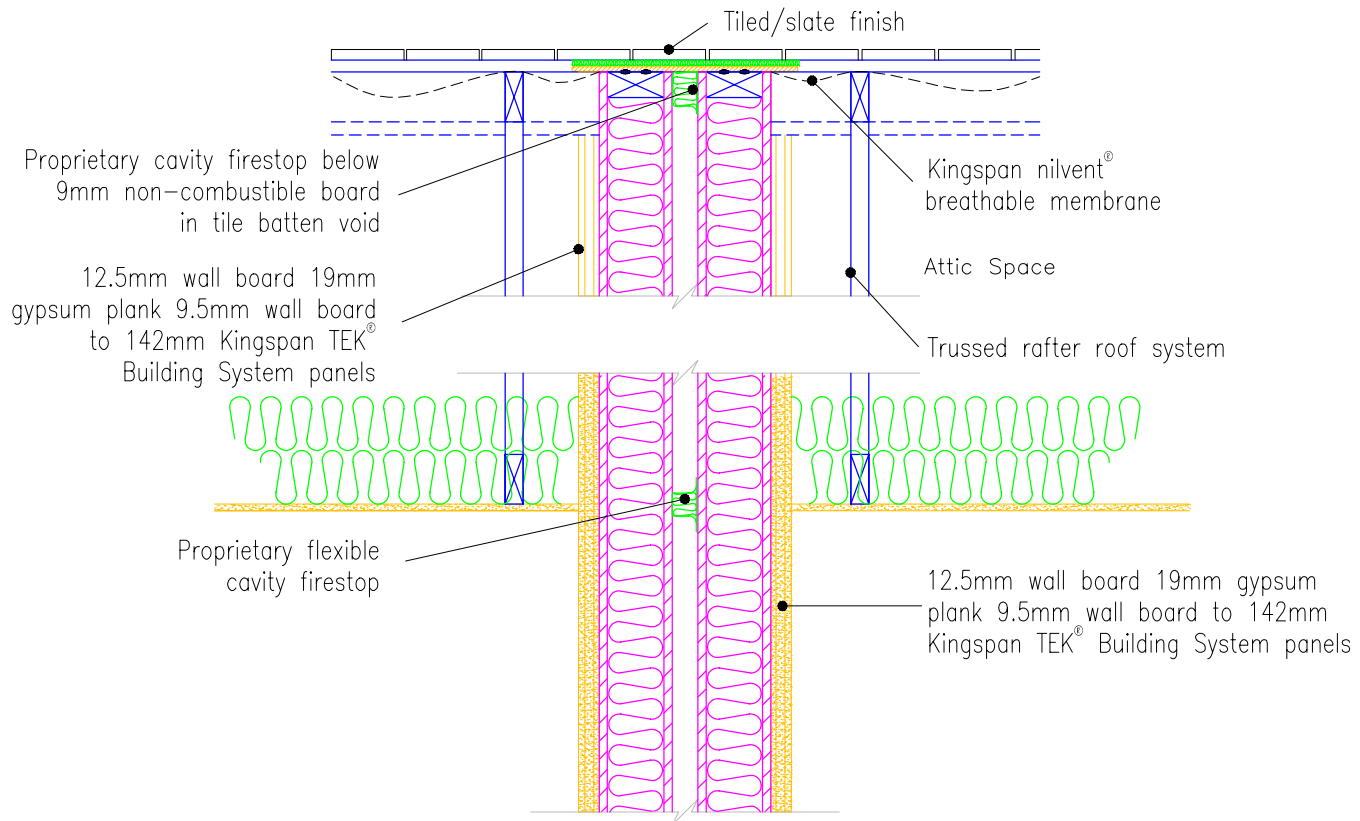
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Section through typical separating wall & internal floor assemblies incorporating room in roof.

Date: 2/7/10

Drawn by: J.L. Scale: 1:25





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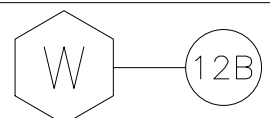
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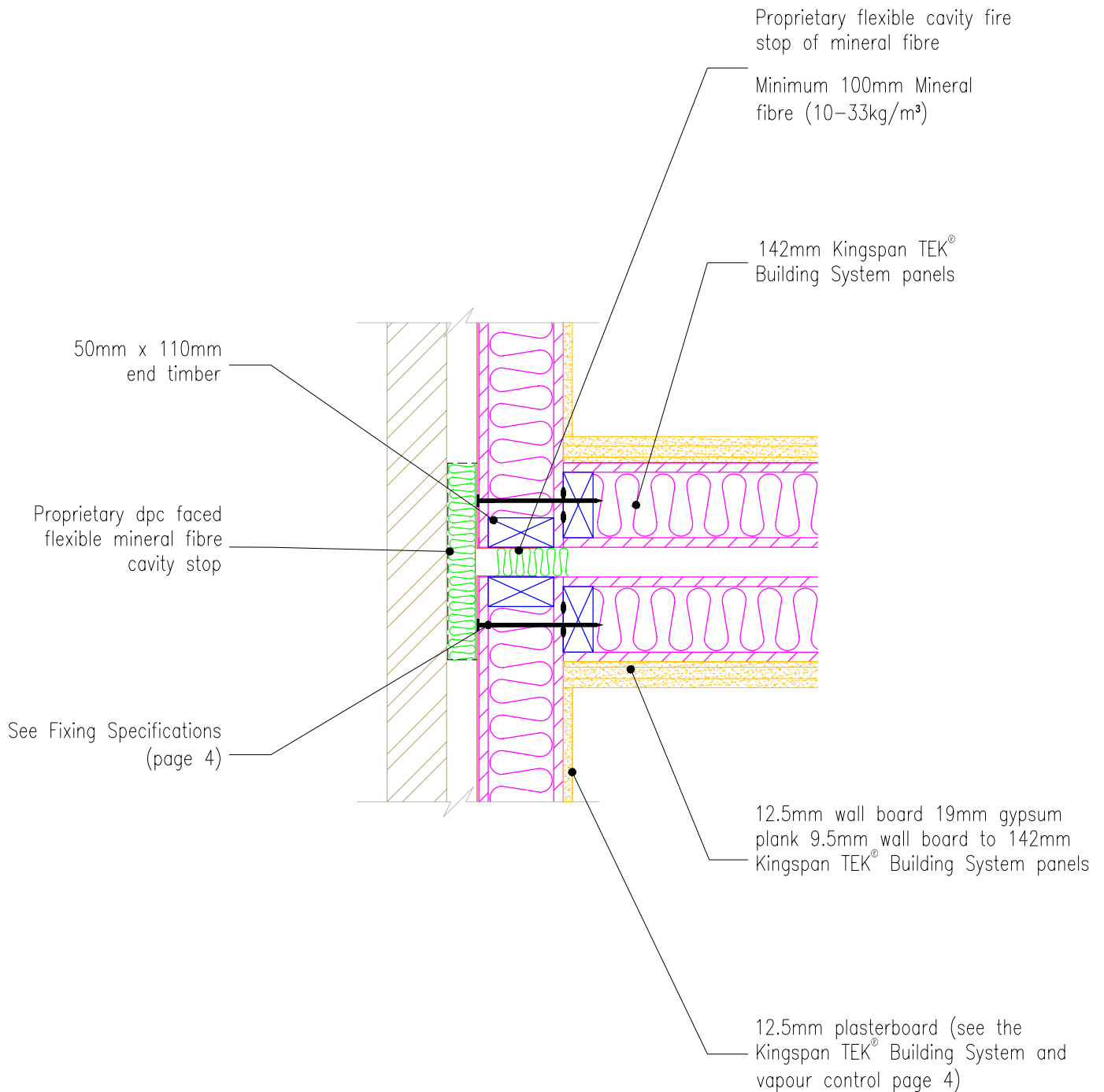
Section through typical
separating wall assemblies
incorporating trussed rafter roof.

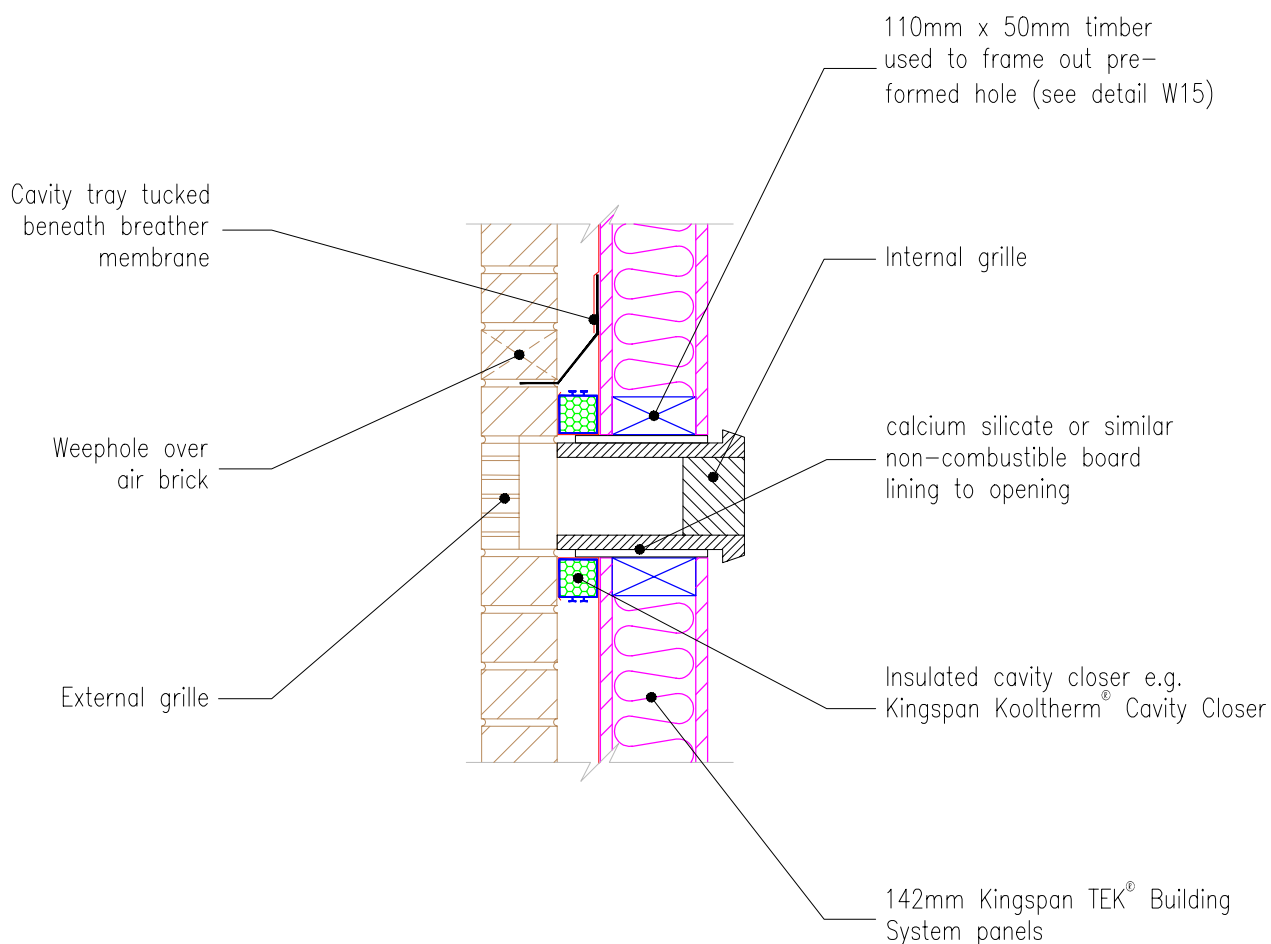
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2/7/10

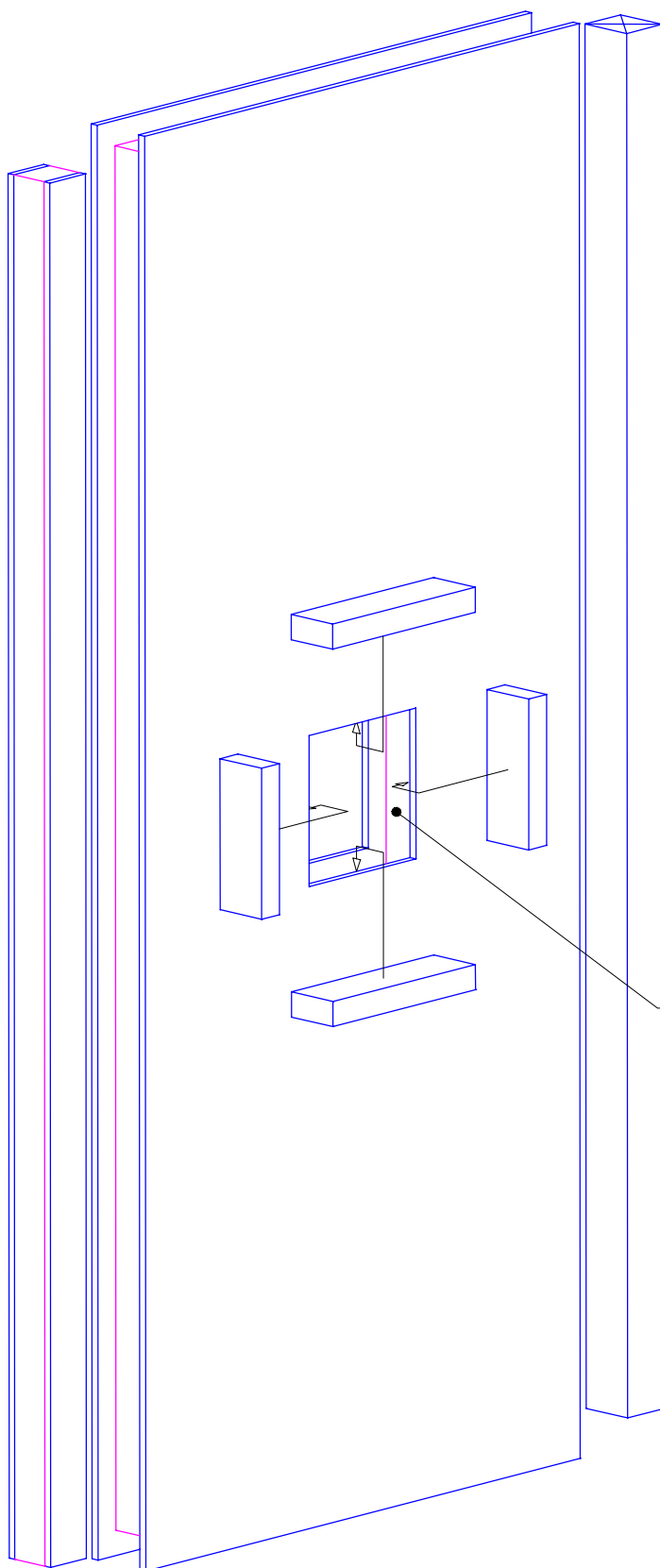
Drawn by:
J.L.

Scale:
1:25









NOTE:

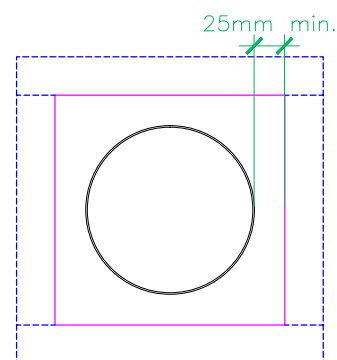
When an appliance is not suitable for direct mounting on a wall panel it should be separated from the wall structure by a 75mm air gap or by 25mm of non-combustible material.

The latter is usually achieved by adding 12.5mm thickness of 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 500 mm from top of panel.



Front elevation – 1:10



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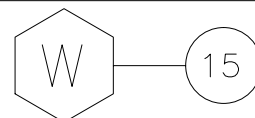
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Wall hung boiler installation.

Date: 21/6/10

Drawn by: J.L.

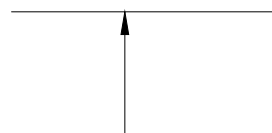
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Electricity meter box installation same as
Gas meter box installation as below

Cavity tray to extend
150mm beyond each side
of meter box, dressed
behind Kingspan nilvent®
breather membrane with
weepholes to each side of
meter box

15 mm min. air
space between back of
box and Kingspan nilvent®
breather membrane



Max. 1000mm
Min. 500mm

Gas inlet pipe

Notes:

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

Electricity supply cable from meter to
consumer unit may be run up or down in
cavity to first or ground floor construction
or pass through 142mm Kingspan TEK®
Building System wall panel

Kingspan nilvent® breathable
membrane carried down
behind meter box

Minimum 5mm shim to facilitate injection
of bedding compound (full width between
shims). Proprietary bedding compounds
may be suitable e.g. Easipoint

See Fixing Specifications
(page 4)

Shim Thickness	Shim Colour
2mm	Purple
3mm	Green
4mm	Yellow
5mm	Blue
6mm	Black


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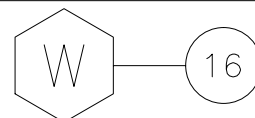
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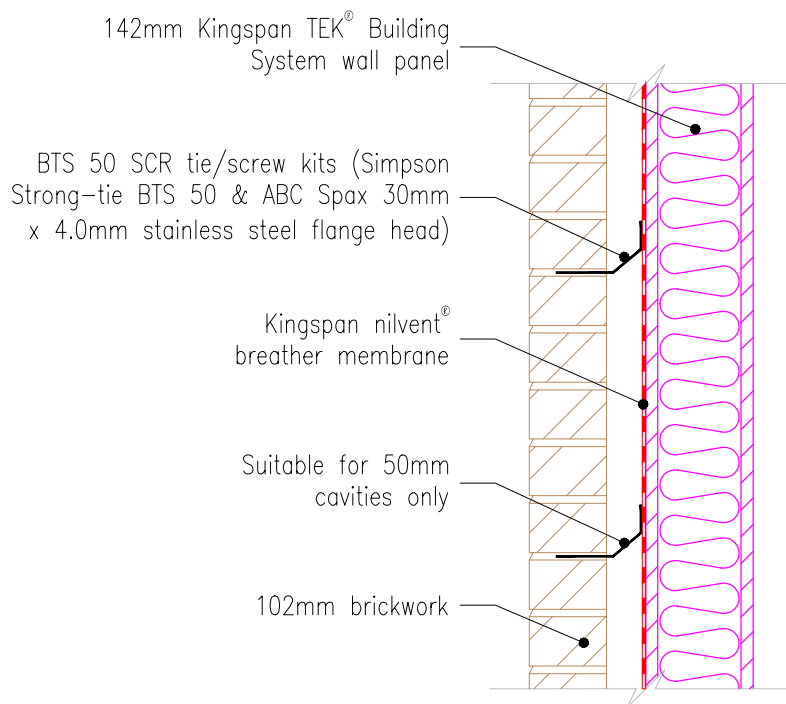
**Gas + Electricity meter box
installation.**

Date:
2/7/10

Drawn by:
J.L.

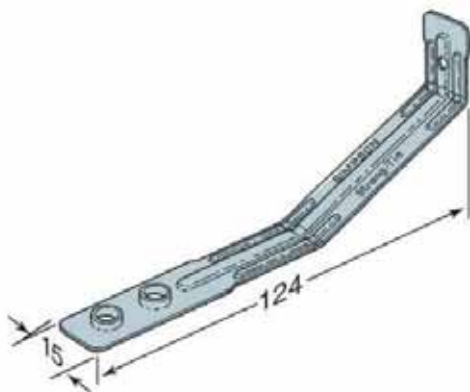
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Preferred Fixing of External brick cladding
Simpson Strong Tie - BTS 50 SCR
tie/screw kits

BTS50



ABC Spax flange head
pozi-drive screw



Density of ties (wind speed less than or equal to 52m/sec) – 4.4 ties per m²
 (spacing – 600 x 375mm)

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



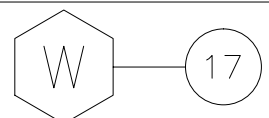
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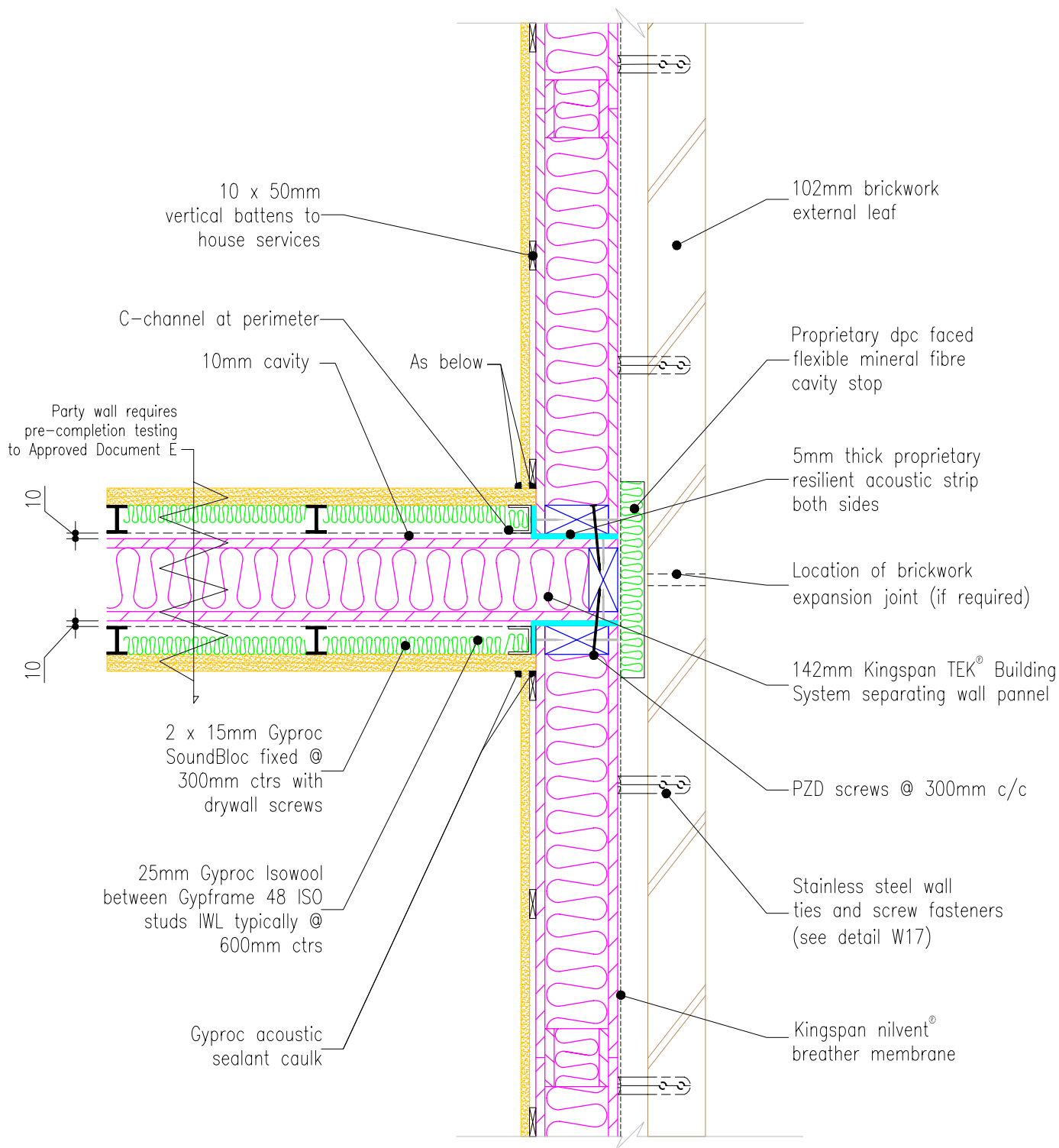
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**External brick tie details
 for buildings not exceeding
 4-storeys high**

Date: 2/7/10

Drawn by: J.L. Scale: 1:10





Notes:

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


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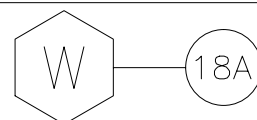
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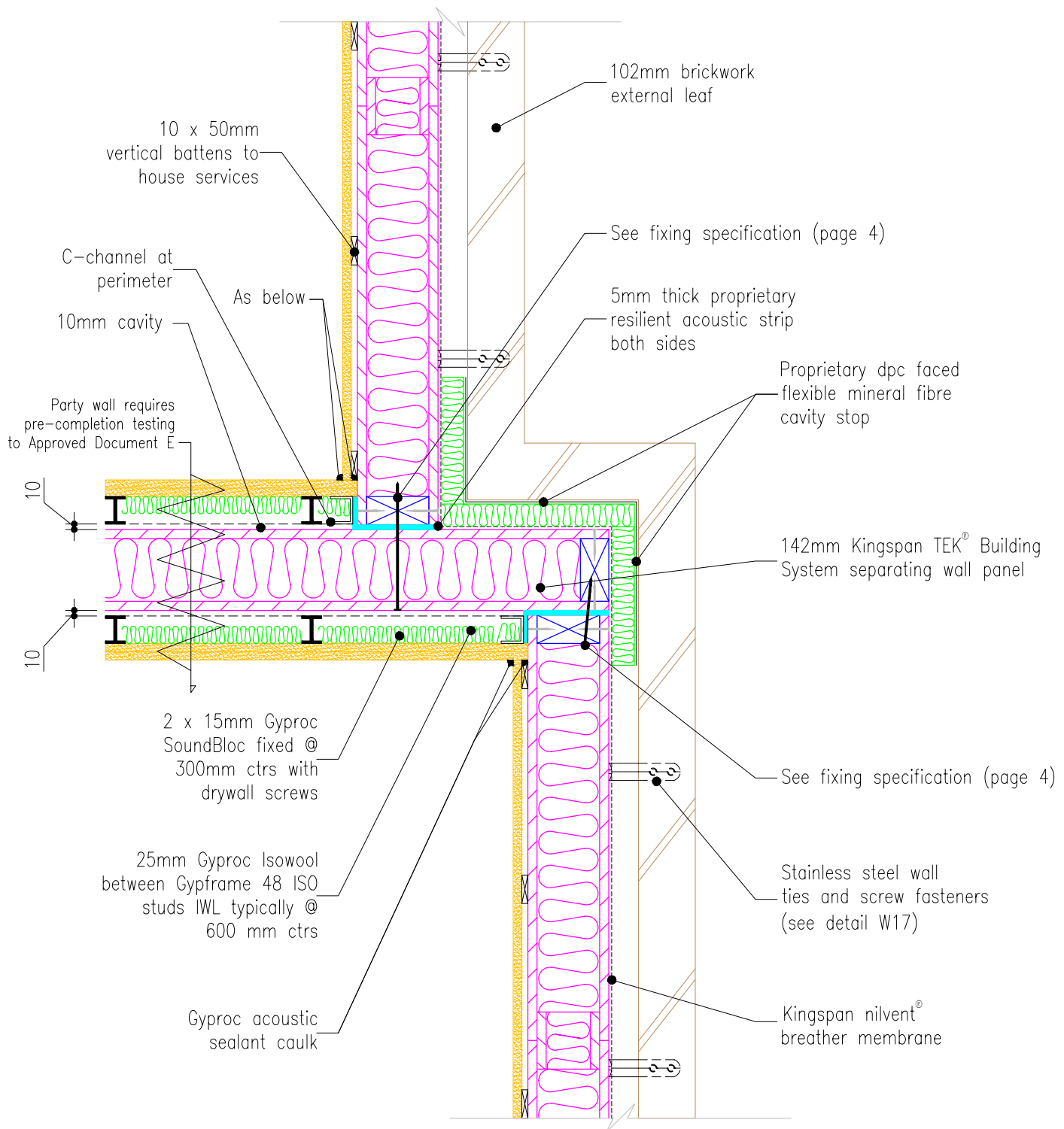
**Kingspan TEK® Building System
 single separating wall junction
 with external wall**

(Plan view)

Date: 2/7/10

Drawn by: J.L. Scale: 1:10





Notes:

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


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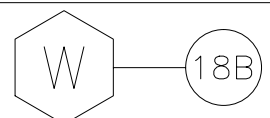
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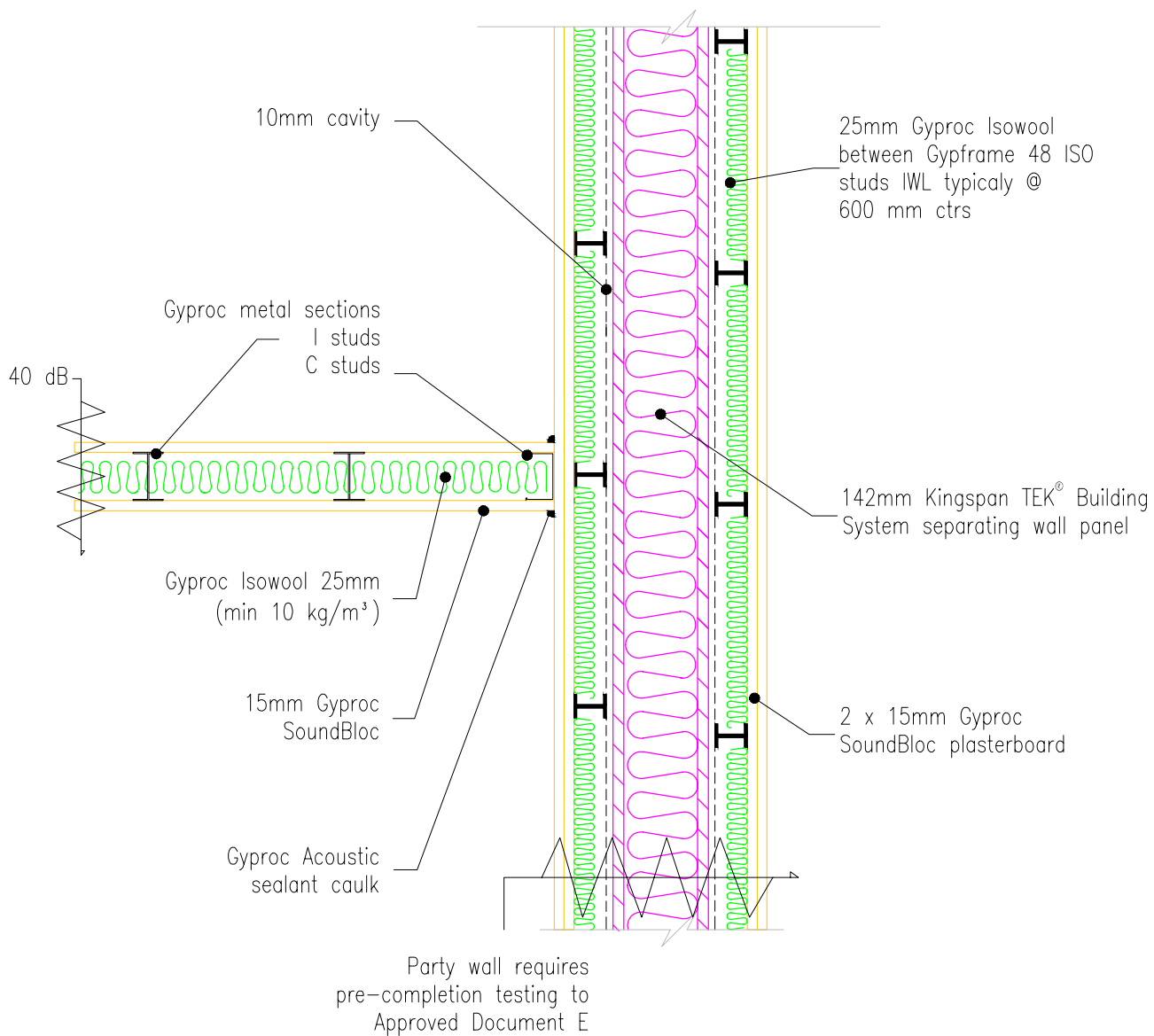
**Kingspan TEK® Building System
single separating wall junction
- stepped external wall detail**

(Plan view)

Date: 2/7/10

Drawn by: J.L. Scale: 1:10





Notes:

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



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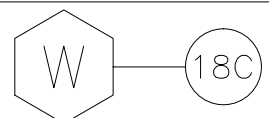
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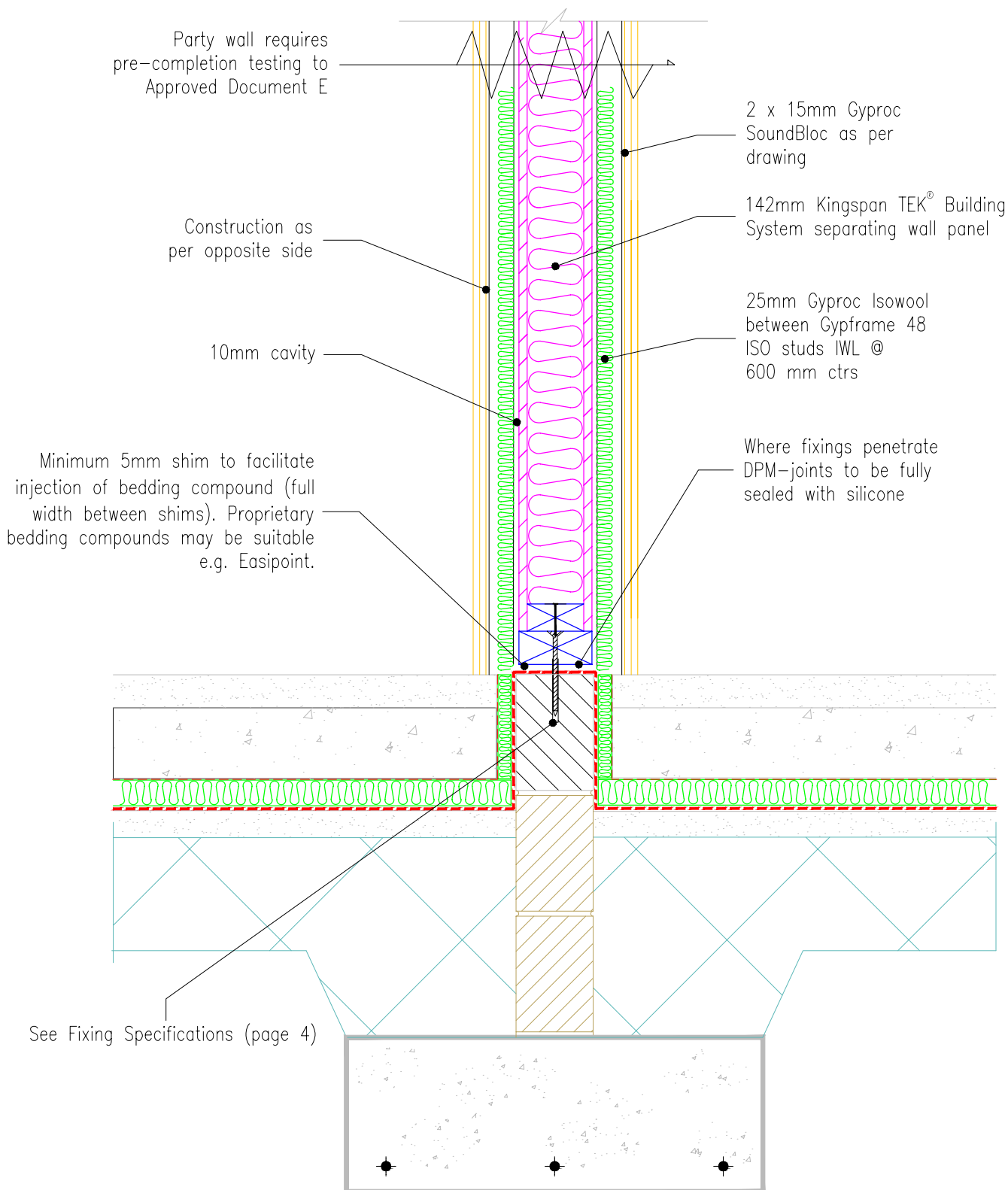
**Lightweight frame internal
wall connection onto Kingspan
TEK® Building System single
separating wall**

(Plan view)

Date:
2/7/10

Drawn by: J.L. Scale: 1:10





Notes:

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

Shim Thickness	Shim Colour
2mm	Purple
3mm	Green
4mm	Yellow
5mm	Blue
6mm	Black



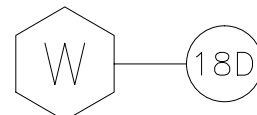
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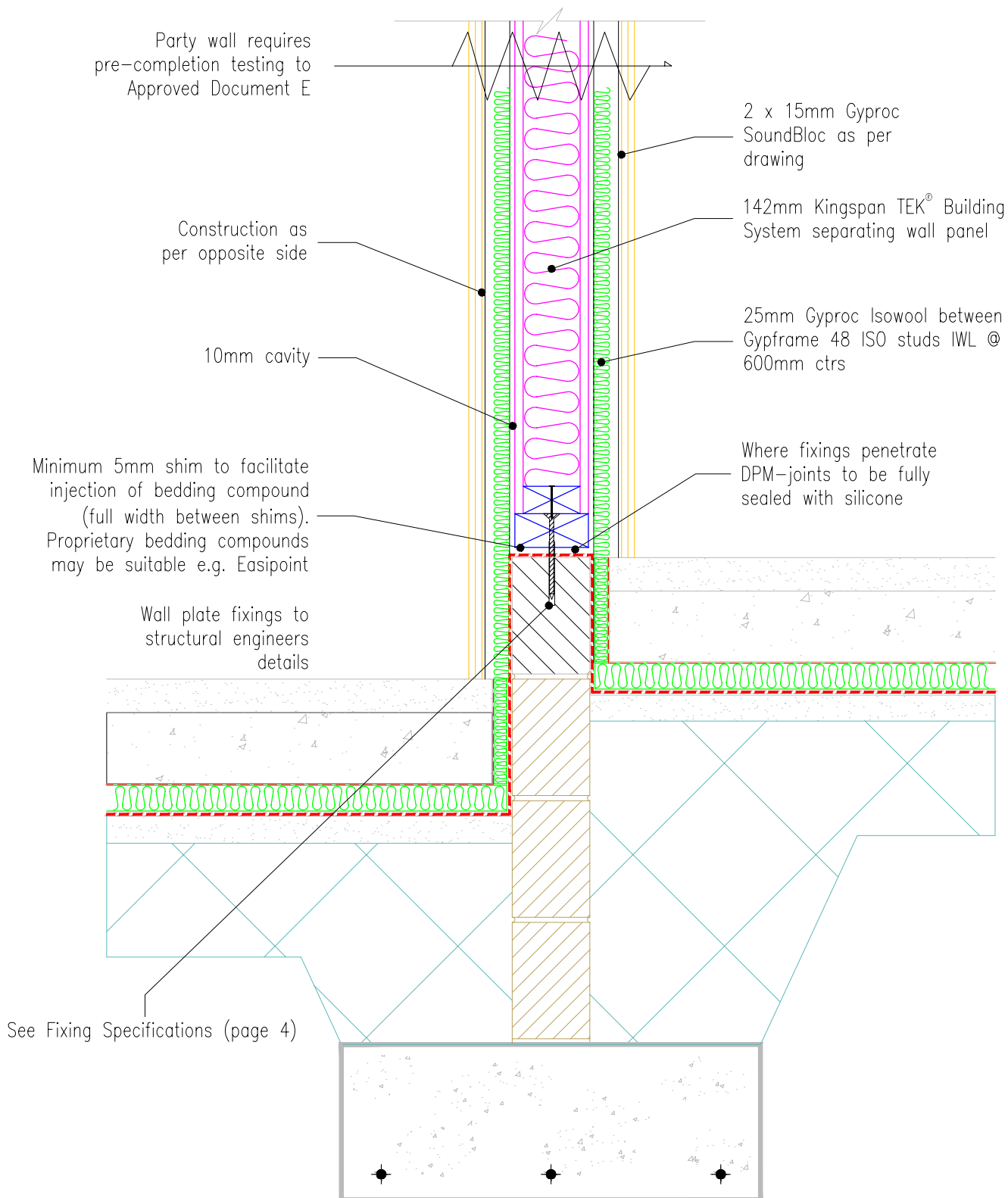
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Kingspan TEK® Building System single separating wall junction - ground floor slab detail

Date: 2/7/10

Drawn by: J.L. Scale: 1:10





Notes:

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

Shim Thickness	Shim Colour
2mm	Purple
3mm	Green
4mm	Yellow
5mm	Blue
6mm	Black



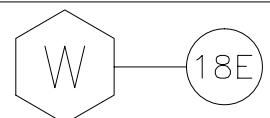
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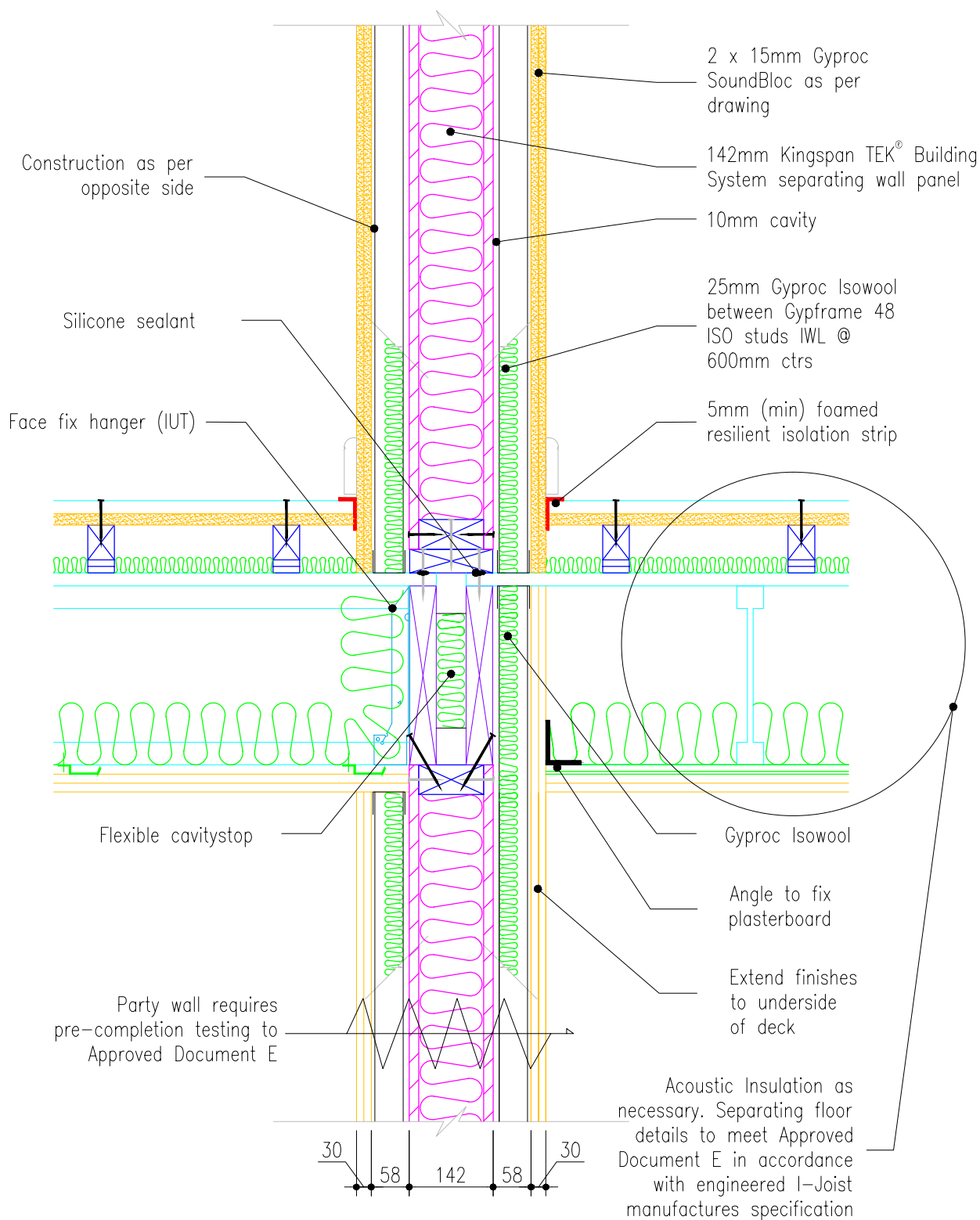
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Kingspan TEK® Building System single separating wall junction - stepped ground floor slab detail

Date: 2/7/10

Drawn by: J.L. Scale: 1:10





Notes:

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



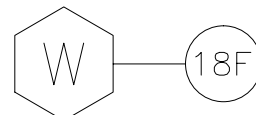
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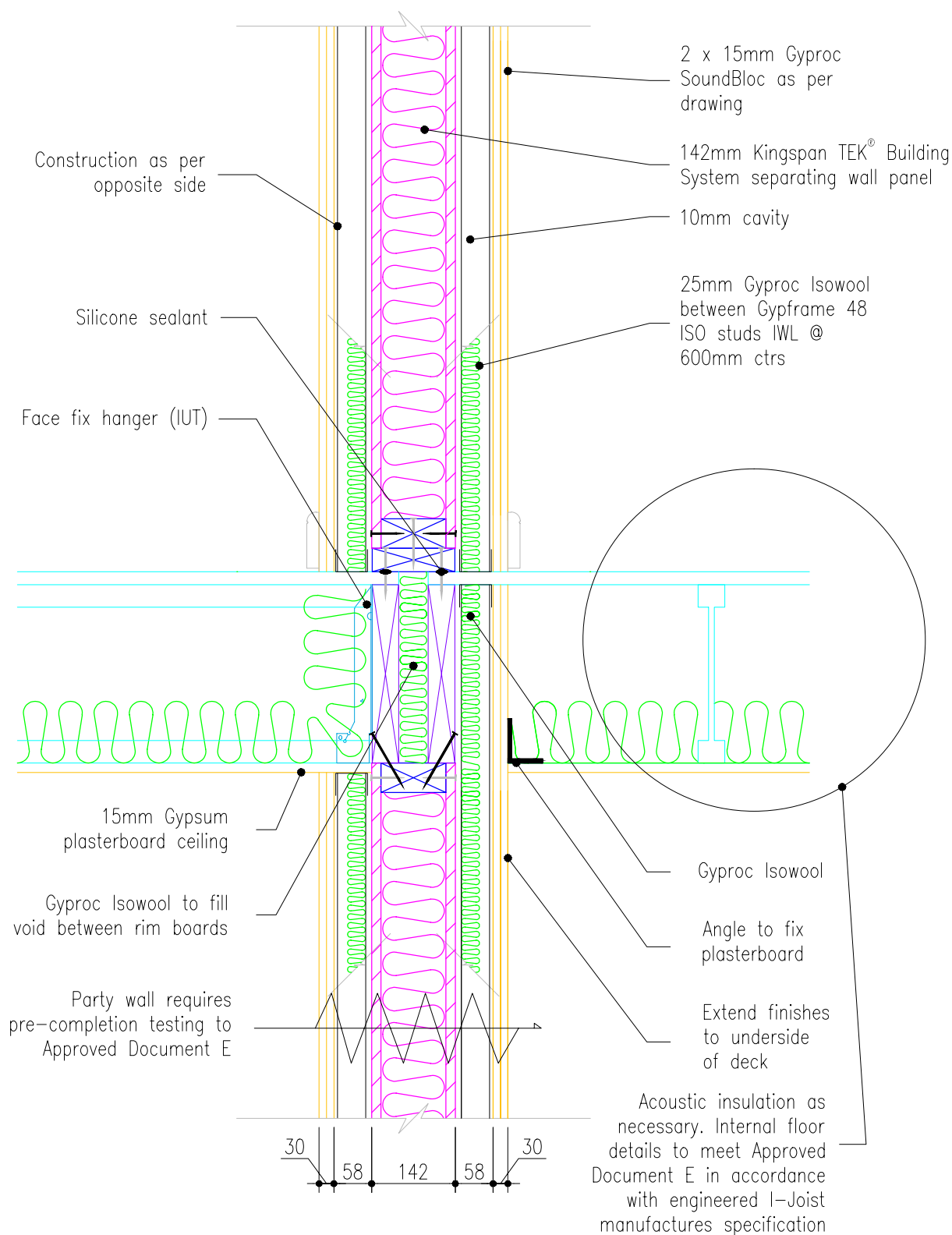
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Kingspan TEK® Building System single separating wall junction - separating floor detail

Date: 2/7/10

Drawn by: J.L. Scale: 1:10





Notes:

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



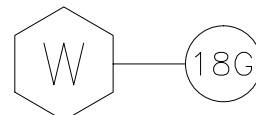
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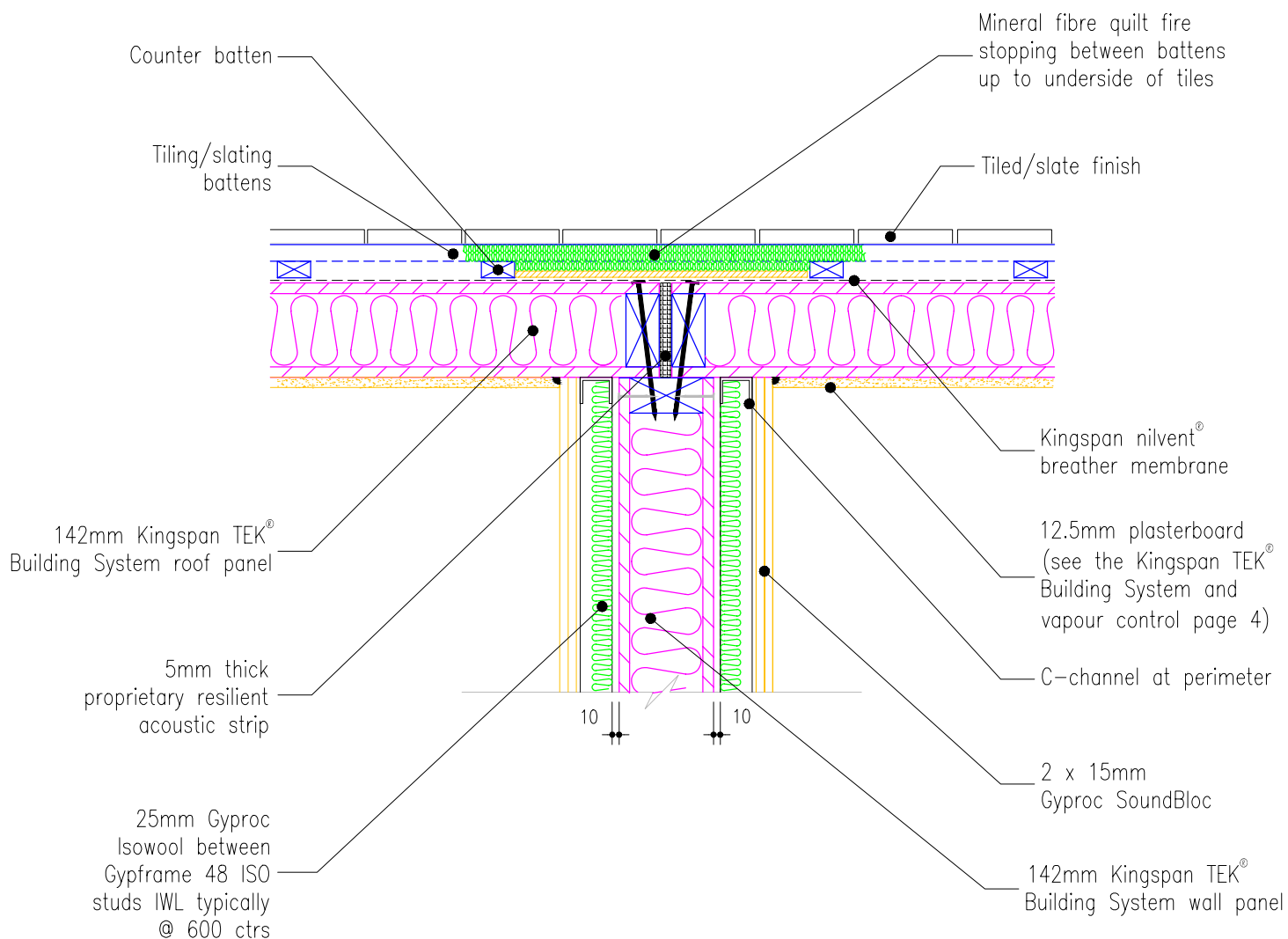
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Kingspan TEK® Building System single separating wall junction - internal floor detail

Date:
2/7/10

Drawn by: J.L. Scale: 1:10





Notes:

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



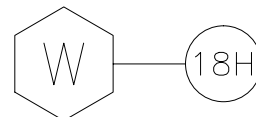
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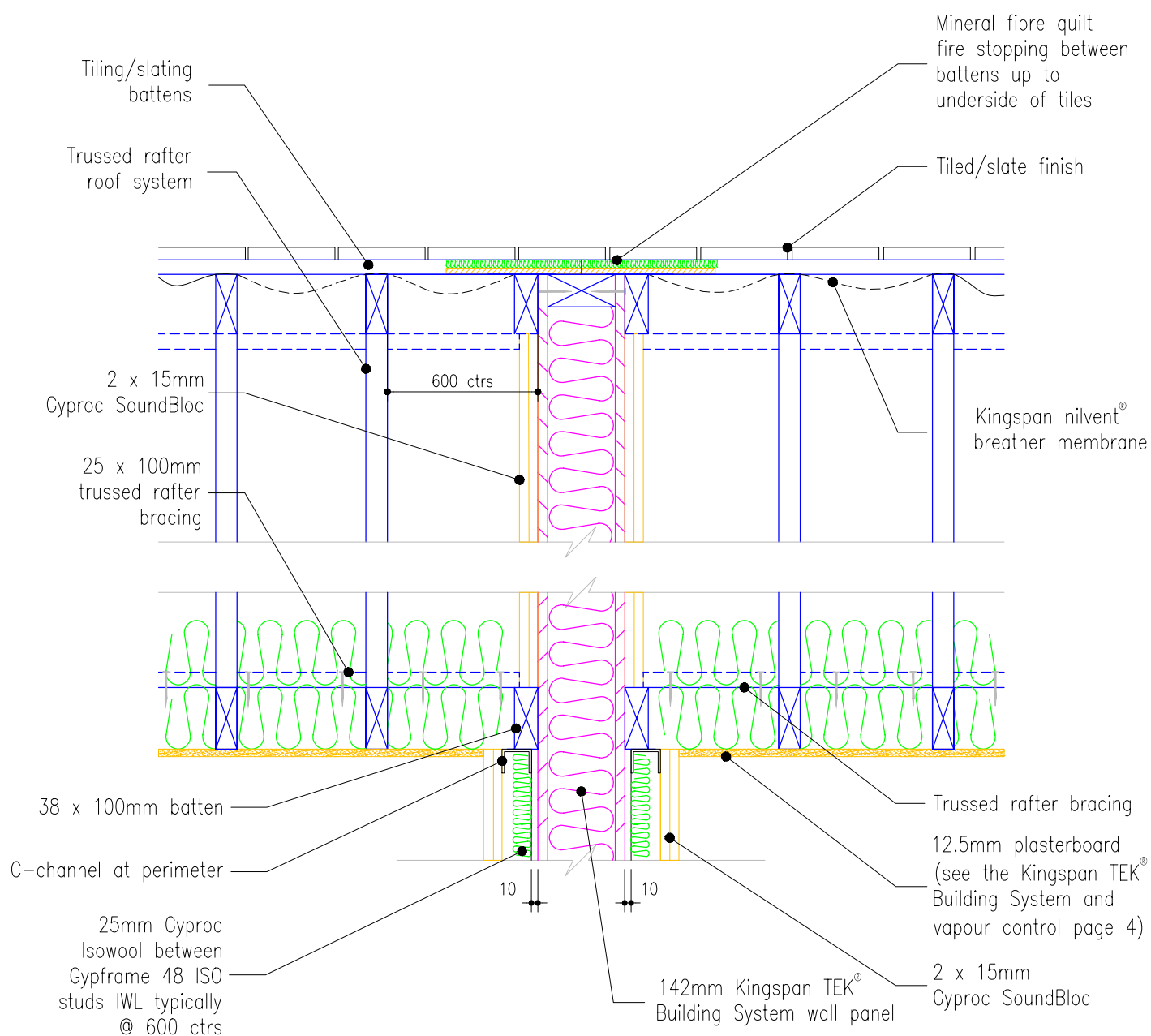
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**Kingspan TEK® Building System
single separating wall junction
- room in roof detail**

Date: 2/7/10

Drawn by: J.L. Scale: 1:10





Notes:

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



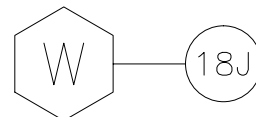
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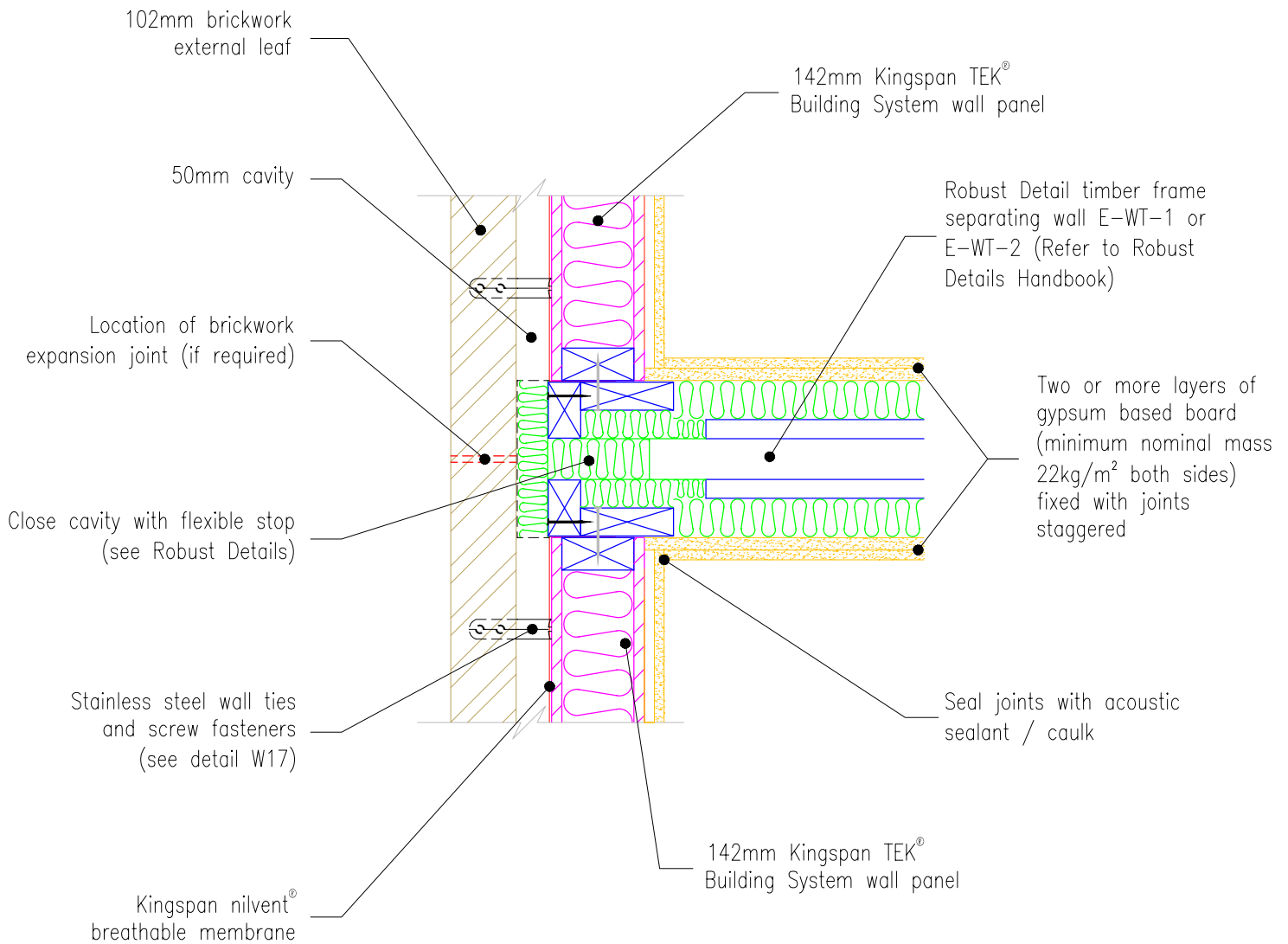
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**Kingspan TEK® Building System
single separating wall junction
- trussed rafter roof detail**

Date: 2/7/10

Drawn by: J.L. Scale: 1:10





Notes:

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



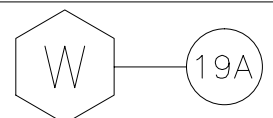
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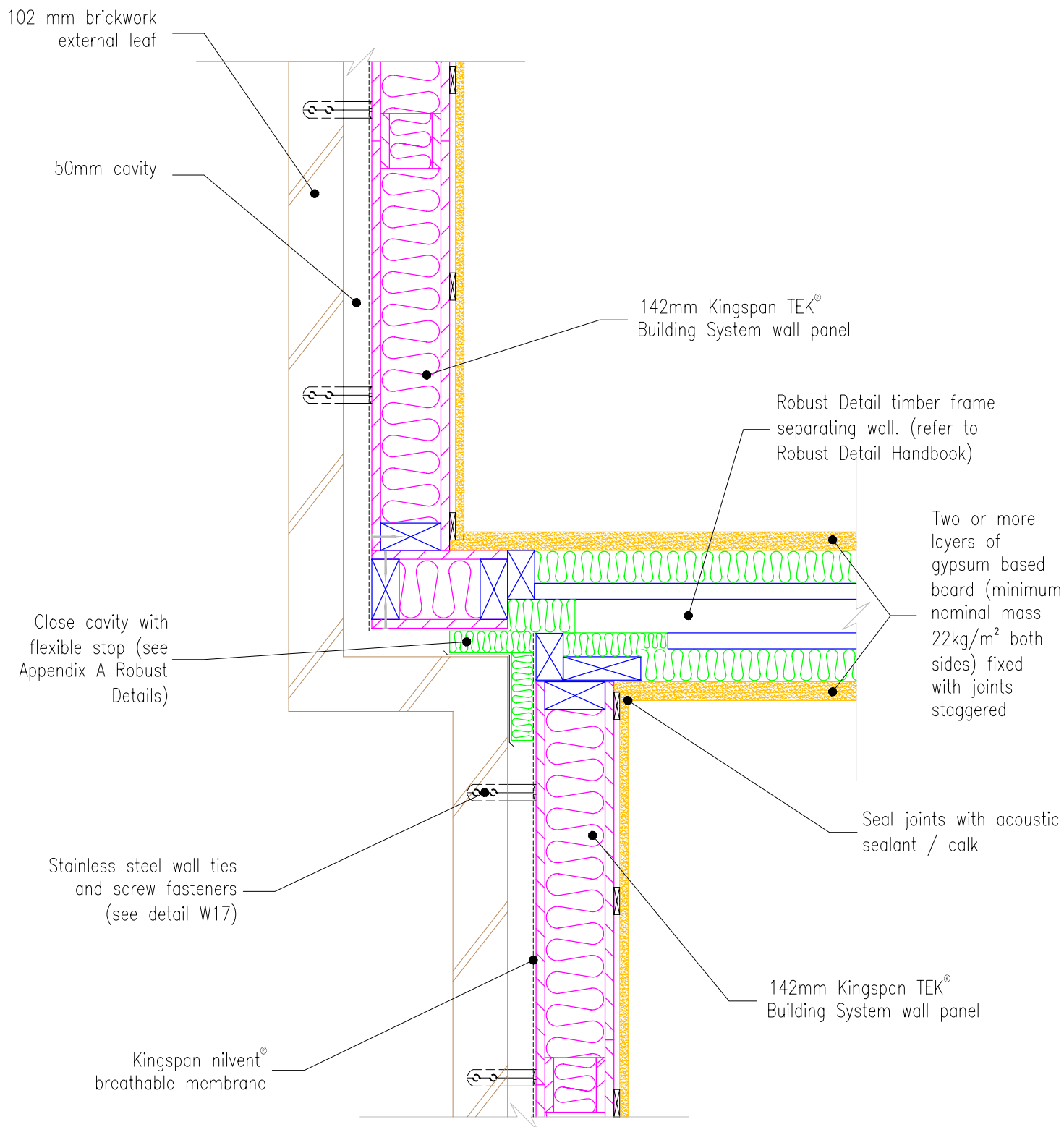
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Fax: +353(0)42 975 4299
E-mail: info@kingspantek.ie
www.kingspantek.co.uk

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

Date: 29/10/10

Drawn by: J.L. Scale: 1:10





Notes:

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



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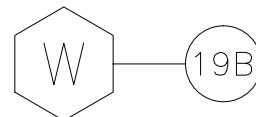
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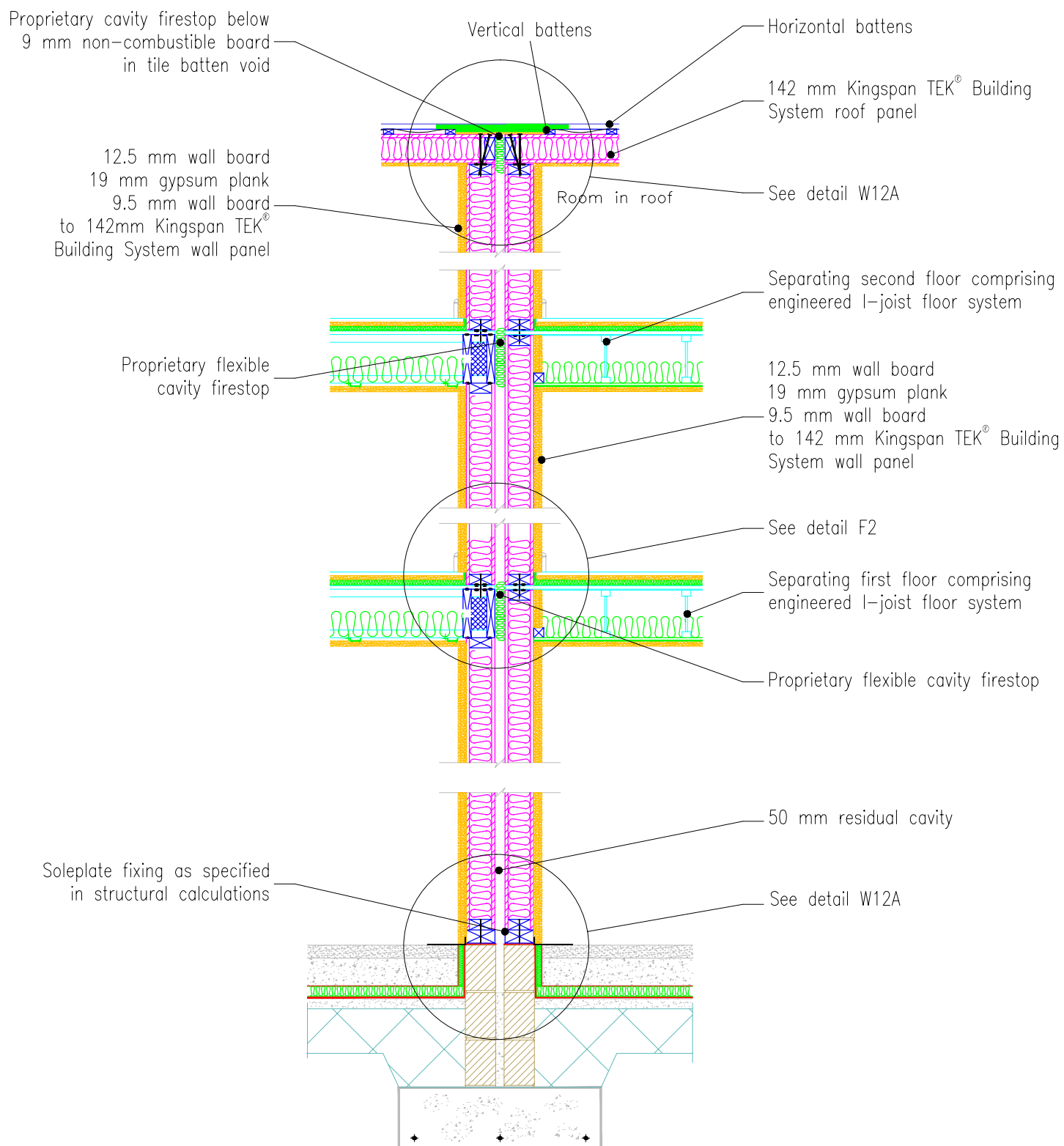
**Kingspan TEK® Building System
staggered external (flanking)
wall junction with timber
separating walls to Robust
Details E-WT-1 and E-WT-2**

Date:
29/10/10

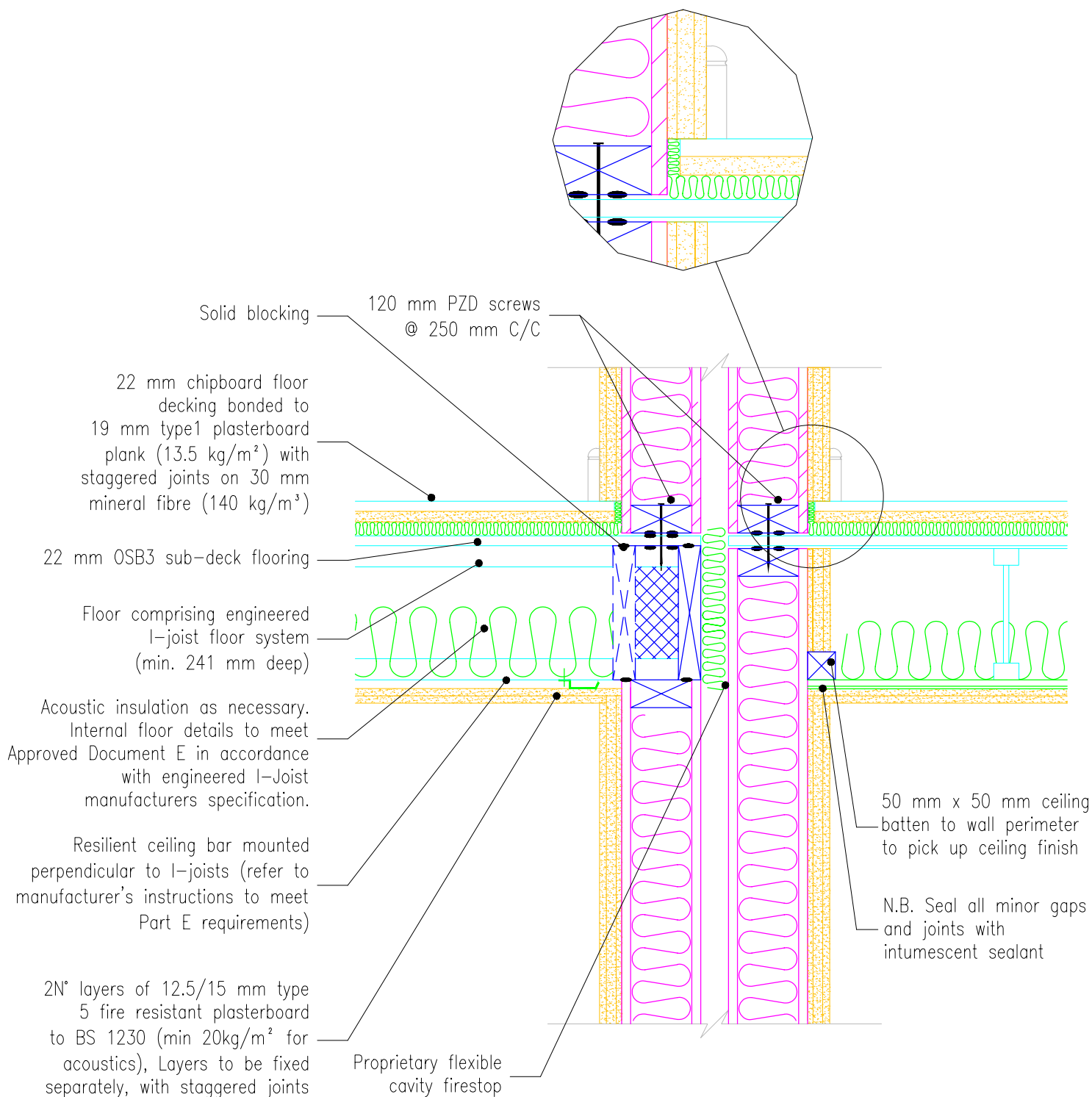
Drawn by:
J.L.

Scale:





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



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



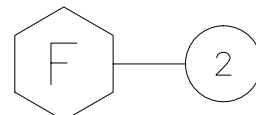
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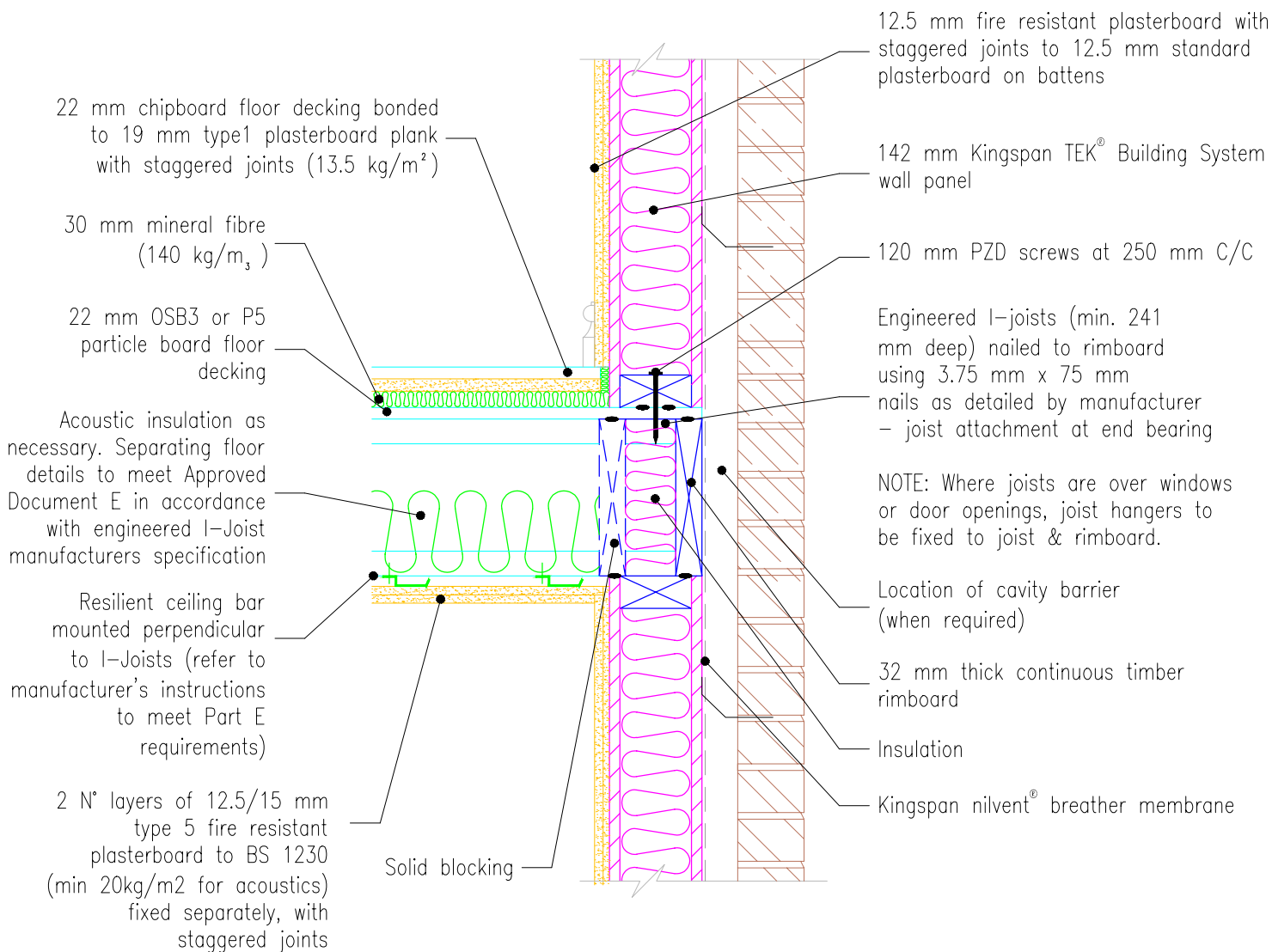
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Section through typical separating wall & floor assemblies

Date: 19/08/10

Drawn by: C.M. Scale: 1:10





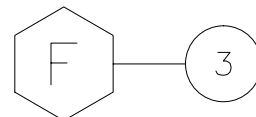
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**Separating floor detail.
Platform frame.
Non-Robust detail
pre completion test (pct)
required**

Date: 19/08/10

Drawn by: C.M. Scale: 1:10



22 mm OSB3 or P5 particleboard flooring
glued and nailed to engineered I-joist
floor system in accordance with
manufacturer's instructions

3.35 mm x 65 mm nails
@ 200 mm cts.

BMF or Simpson Strong-Tie hanger
with top flange (see fixing details on
page 4 for details)

Beads of
silicone sealant

50 mm x 110 mm headplate

Engineered I-joist floor joist
as per structural calculations

142 mm Kingspan TEK[®]
Building System wall panel



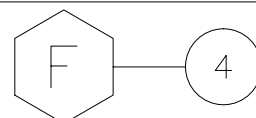
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Typical connection detail
for engineered I-joist floor
system.

Date:
19/08/10

Drawn by: C.M. Scale:
1:10



22 mm OSB3 or P5 particleboard flooring grade board nailed to rimboard & engineered I-joists

3.35 mm x 65 mm nails @ 200 mm cts.

Kingspan Thermawall® TW55 / Kingspan Kooltherm® K12 Framing Board.

Rimboard nailed to frame in accordance to manufacturers instructions

Silicone sealant

50 mm x 110 mm headplate

Engineered I-joist as per structural calculations

142 mm Kingspan TEK® Building System wall panel



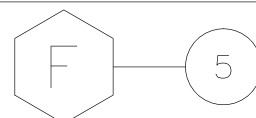
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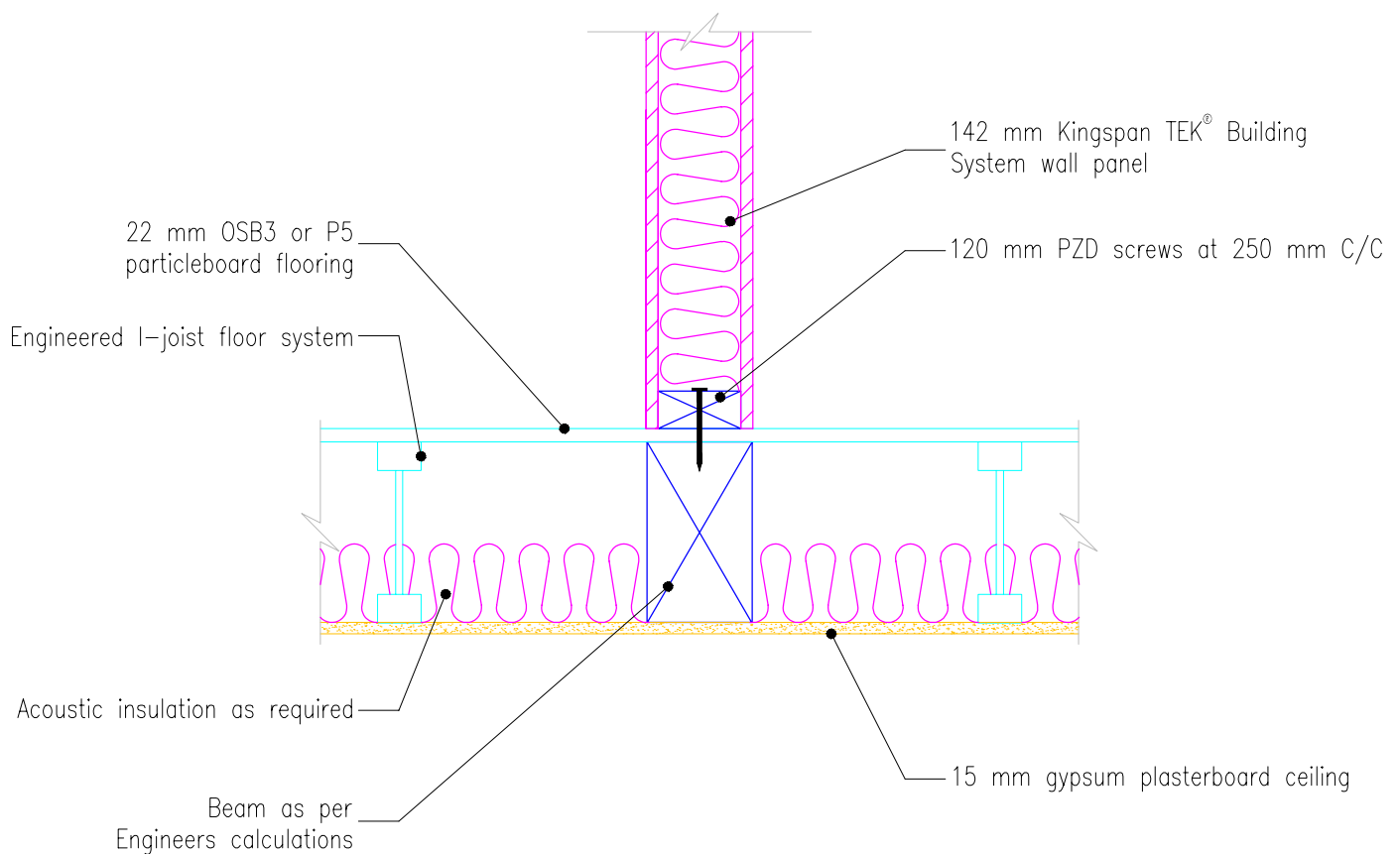
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Alternative I-joist / wall panel connection detail fixed to rimboard.

Date: 19/08/10

Drawn by: C.M. Scale: 1:10





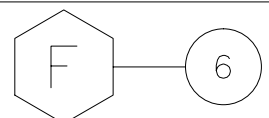
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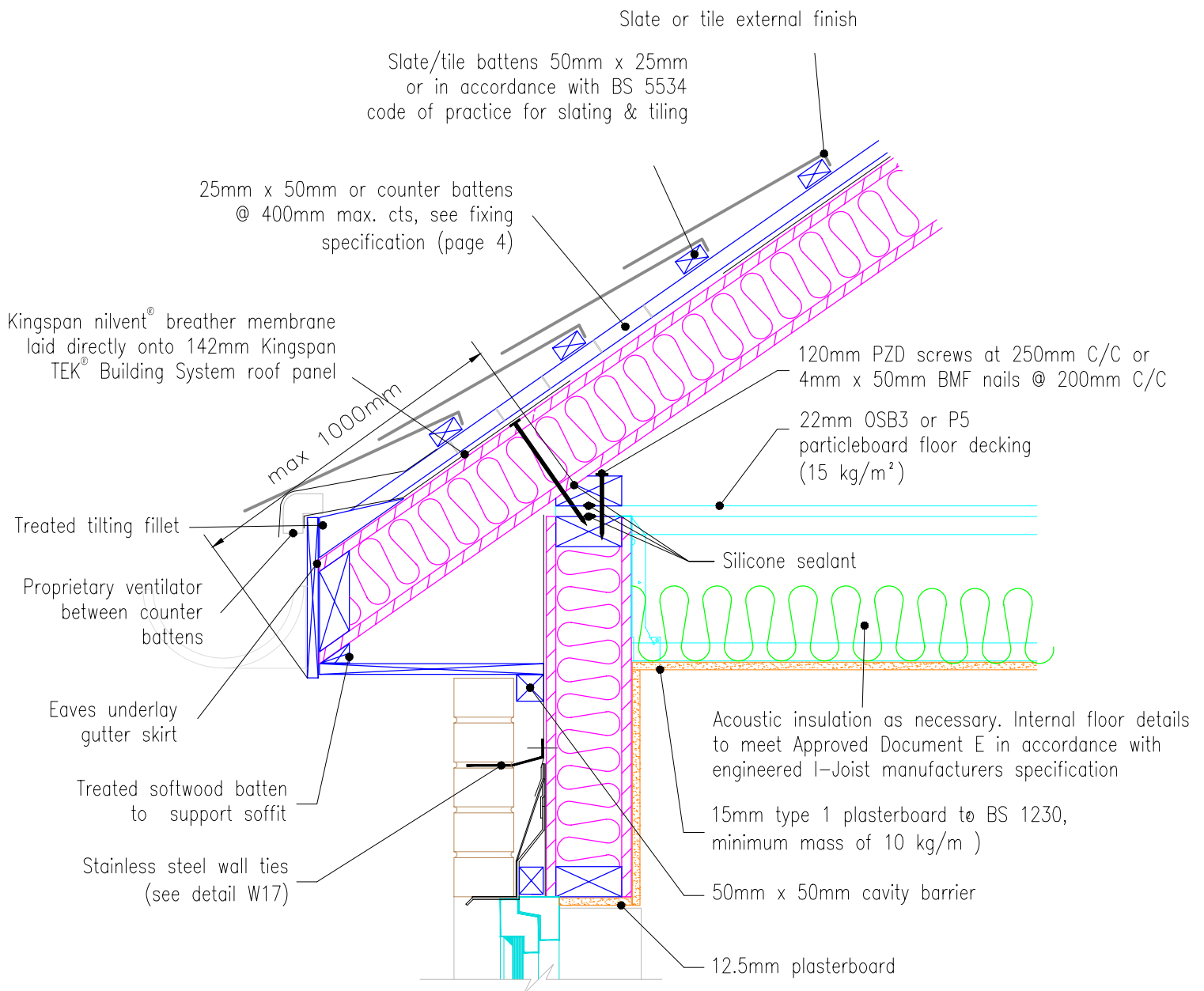
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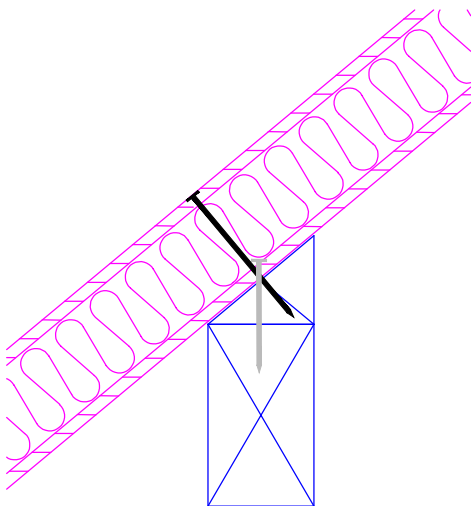
Internal load bearing floor detail.

Date: 19/08/10

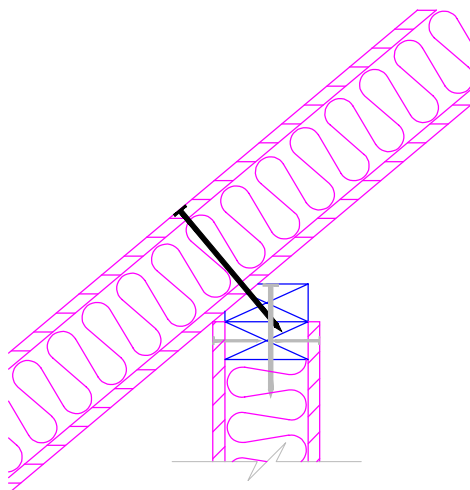
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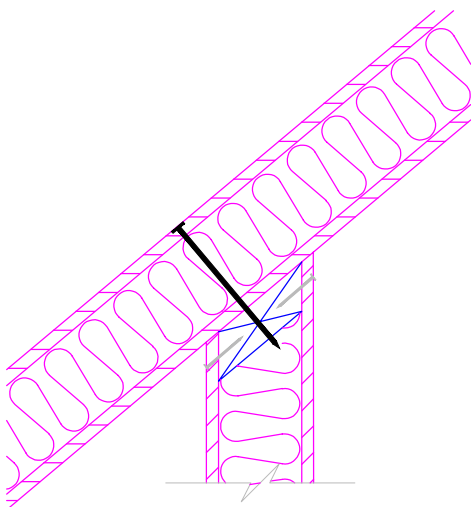




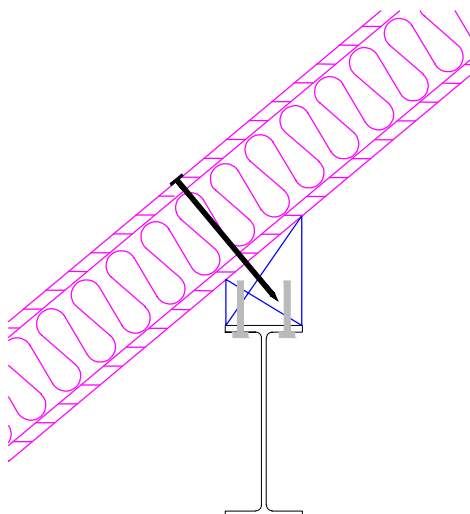
Purlin connection



Dwarf wall connection.



Internal wall connection.



Steel purlin connection.



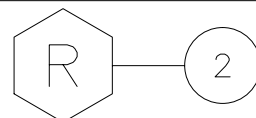
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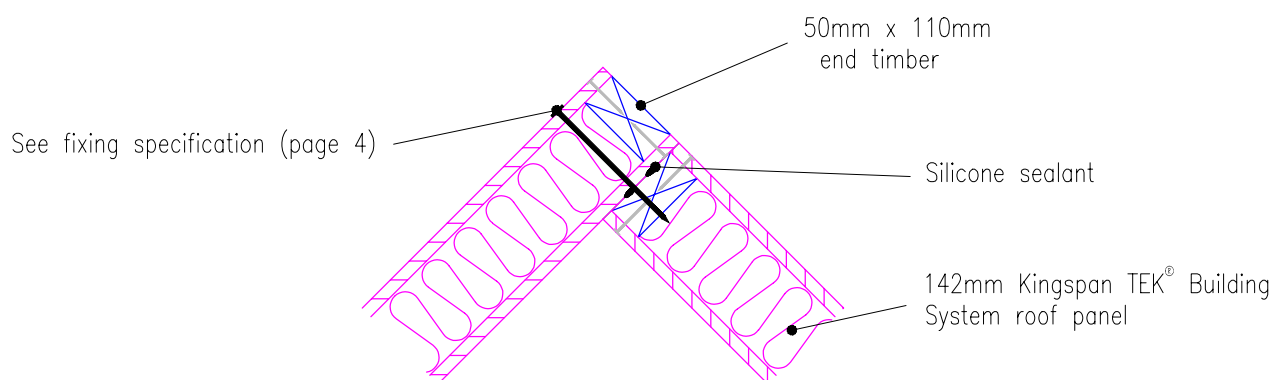
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Internal roof support details
at 40 degrees pitch

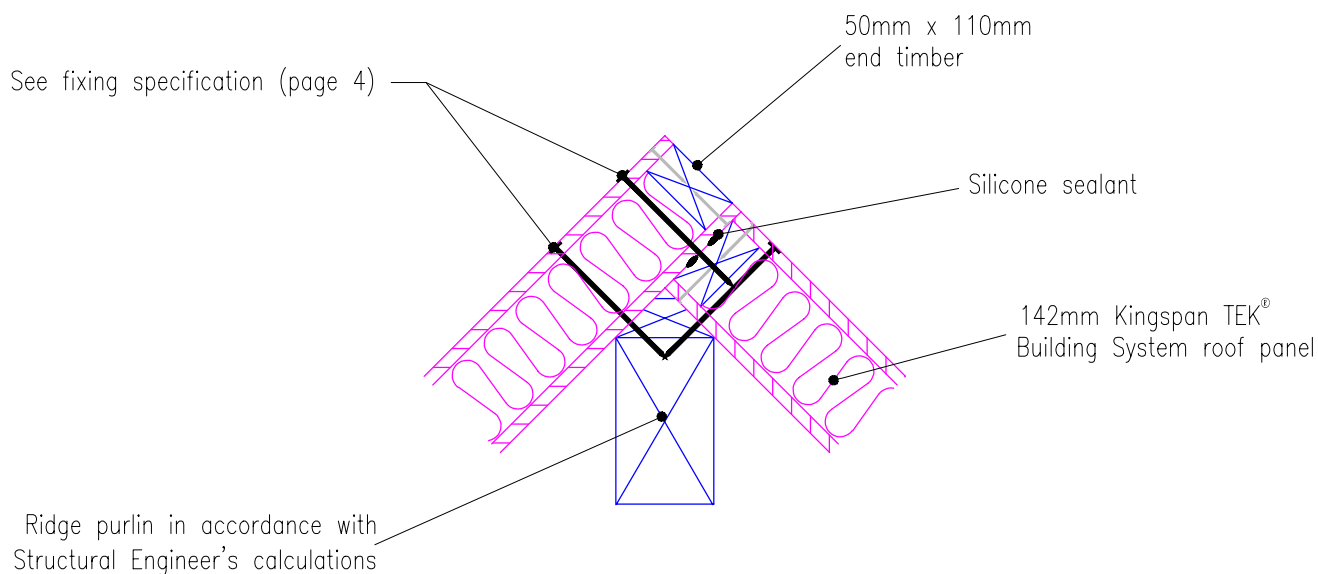
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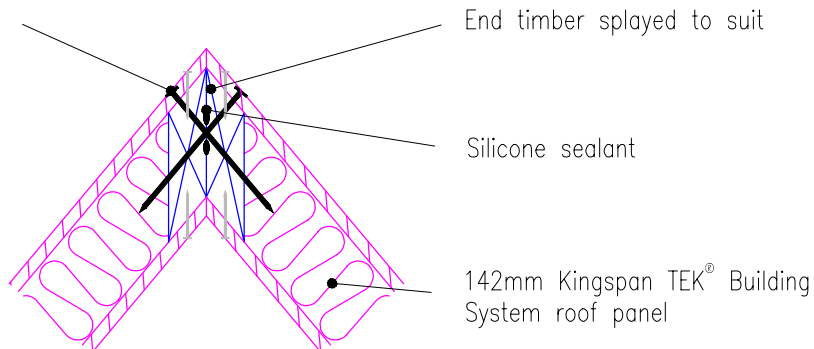
Overlaid ridge without support



Overlaid ridge with support

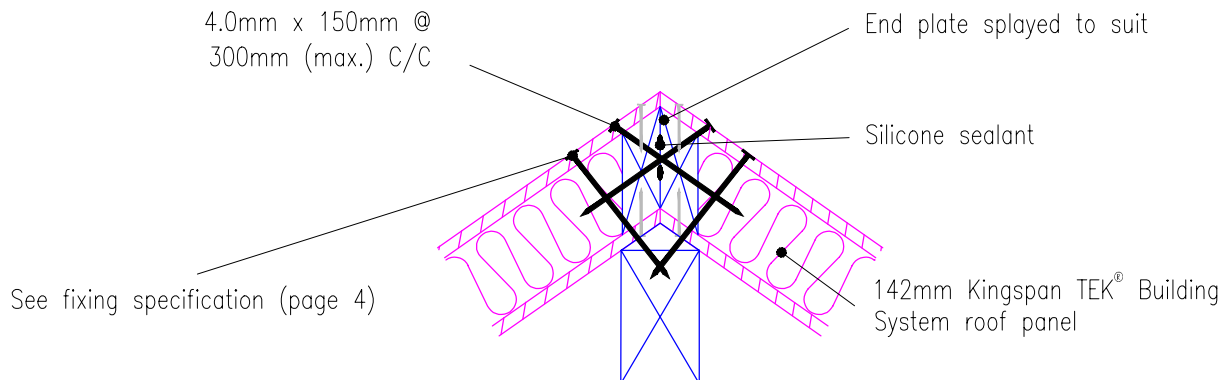
	<p>Kingspan Insulation Limited Pembroke, Leominster, Herefordshire, HR6 9LA. Tel: +44 (0)1544 388 601 Fax: +44 (0)1544 388 888 E-mail: info@kingspantek.co.uk</p> <p>Kingspan Insulation Limited Bree Ind. Estate, Castleblaney, Co. Monaghan, Republic of Ireland Tel: +353(0)42 979 5000 Fax: +353(0)42 975 4299 E-mail: info@kingspantek.ie</p> <p>www.kingspantek.co.uk</p>	<p>Typical roof panel overlaid ridge detail with & without support.</p>	
		<p>Date: 19/08/10</p>	
		<p>Drawn by: C.M.</p>	<p>Scale: 1:10</p>

See fixing specification (page 4)



Mitred ridge without support

4.0mm x 150mm @
300mm (max.) C/C



Mitred ridge with support



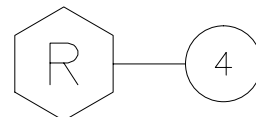
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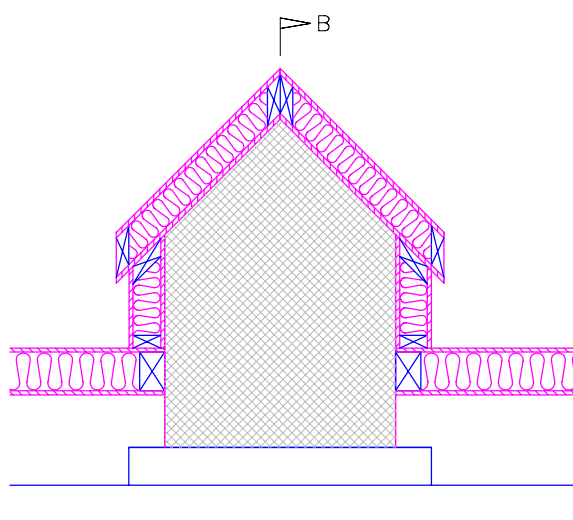
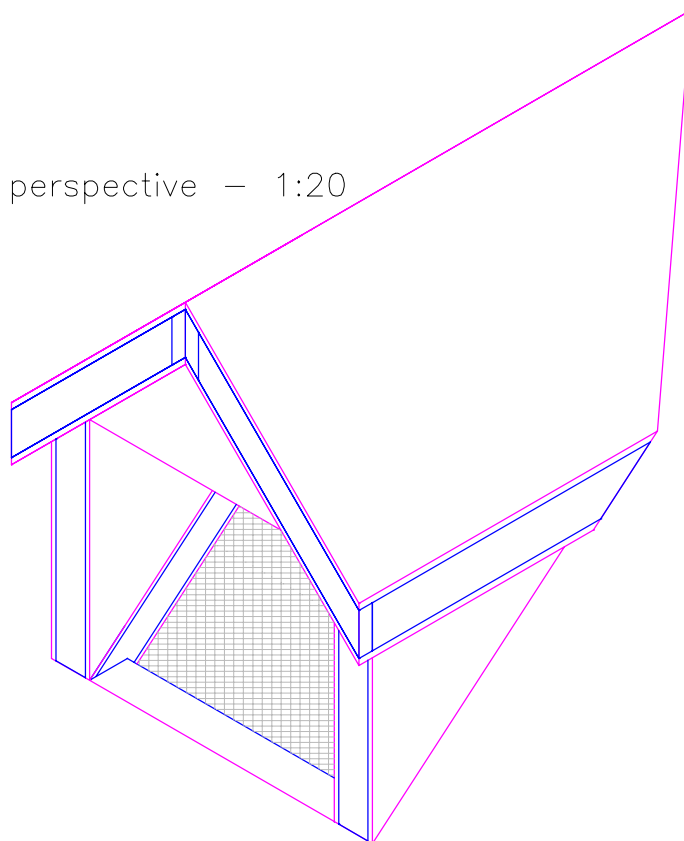
Typical ridge connection
details.

Date:
19/08/10

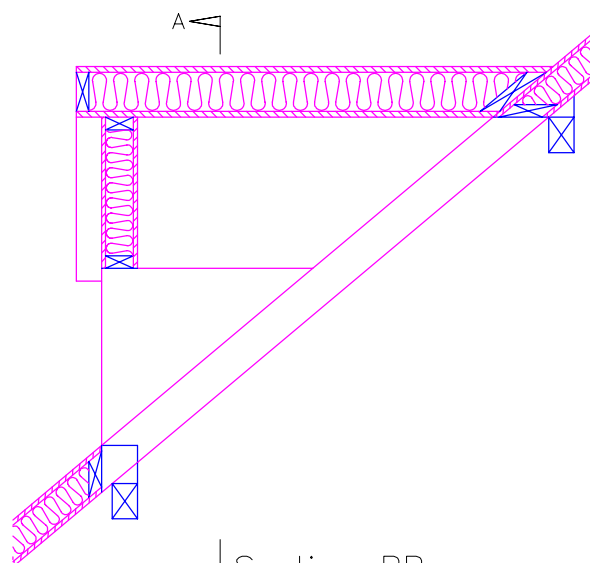
Drawn by: C.M. Scale:
1:10



Dormer perspective – 1:20



Section AA



Section BB



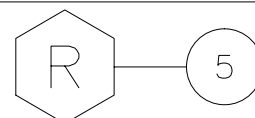
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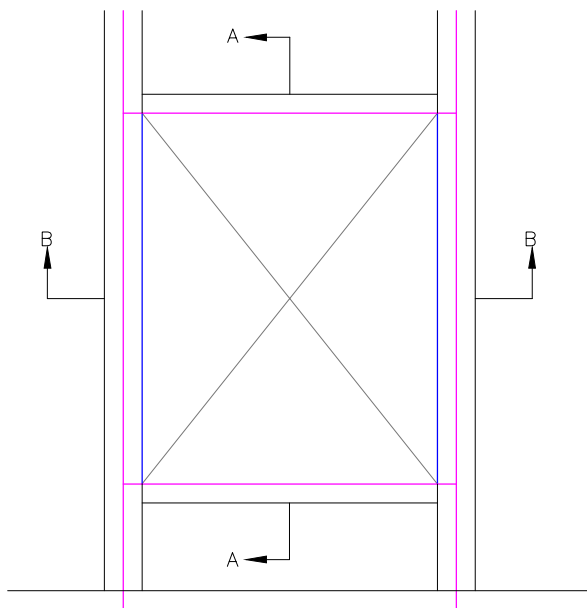
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Room in roof -
dormer perspective &
section detail.

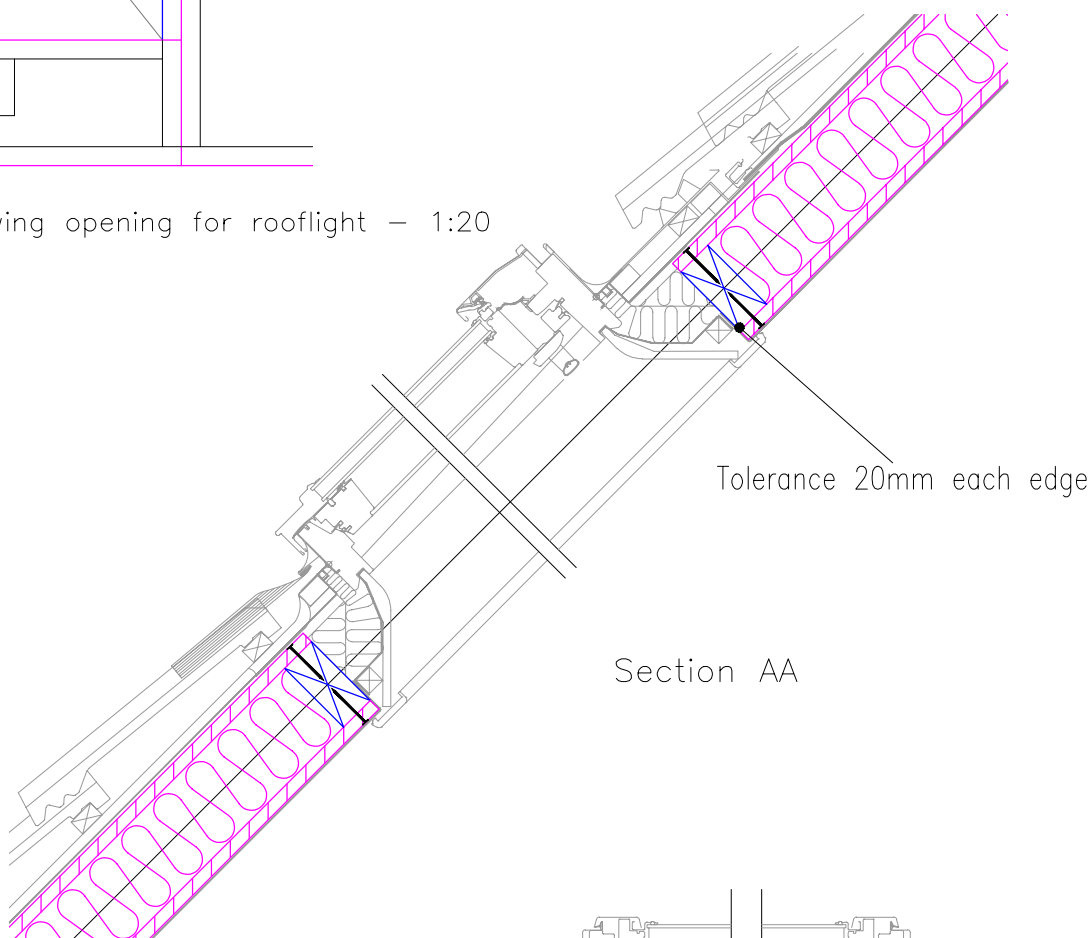
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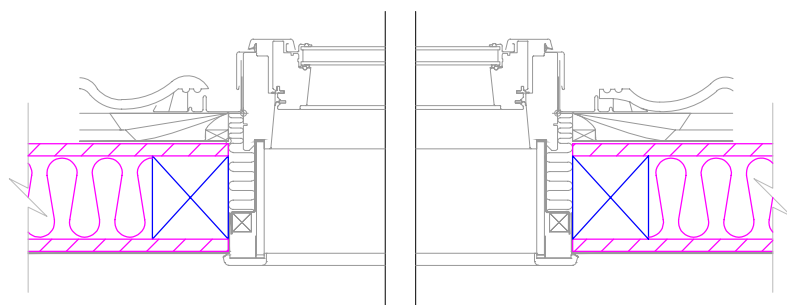


Panel elevation showing opening for rooflight — 1:20



Tolerance 20mm each edge

Section AA



Section BB



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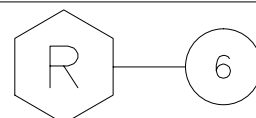
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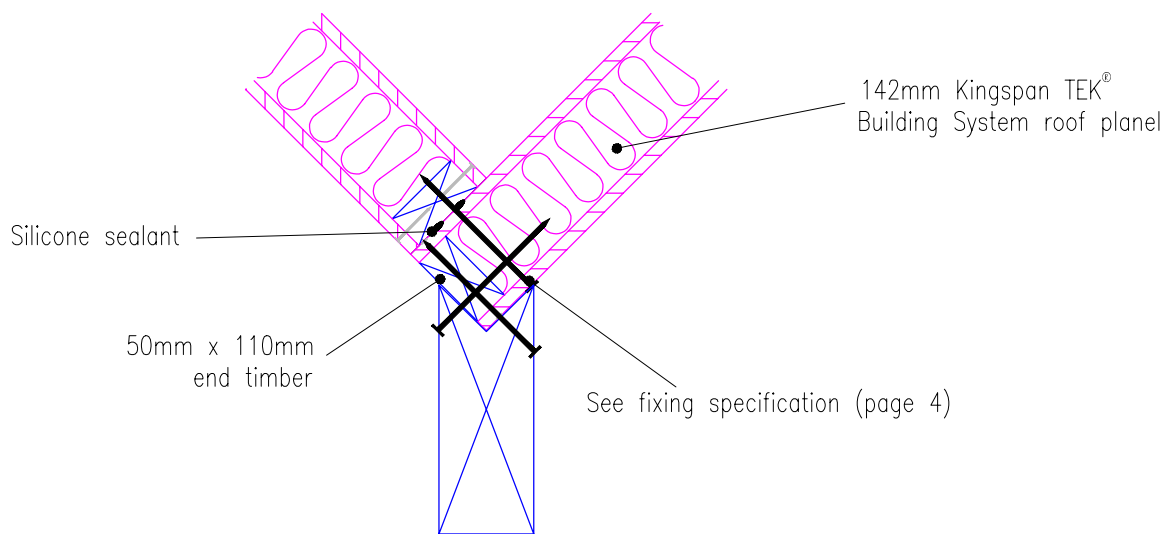
Typical rooflight detail.

Date:
19/08/2010

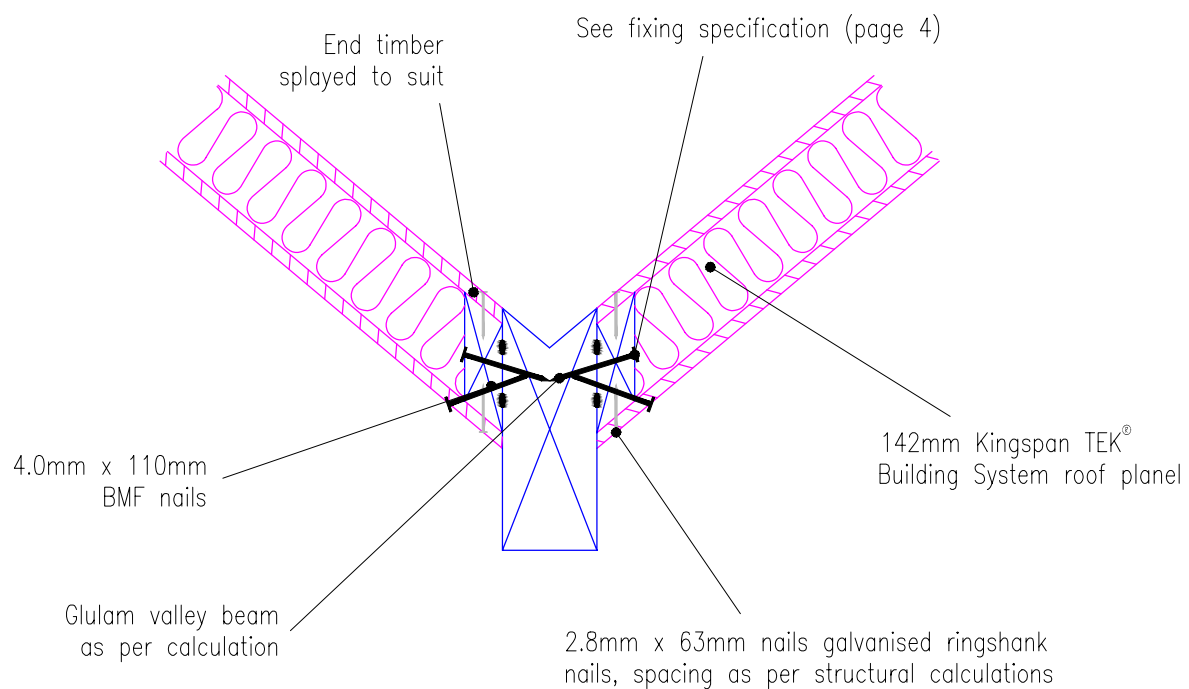
Drawn by:
C.M

Scale:
1:10






Roof panels connected over valley rafter with support



Roof panels connected to valley rafter



Kingspan
TEK
**Building
System**

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Typical valley details

Date:

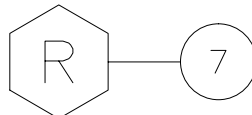
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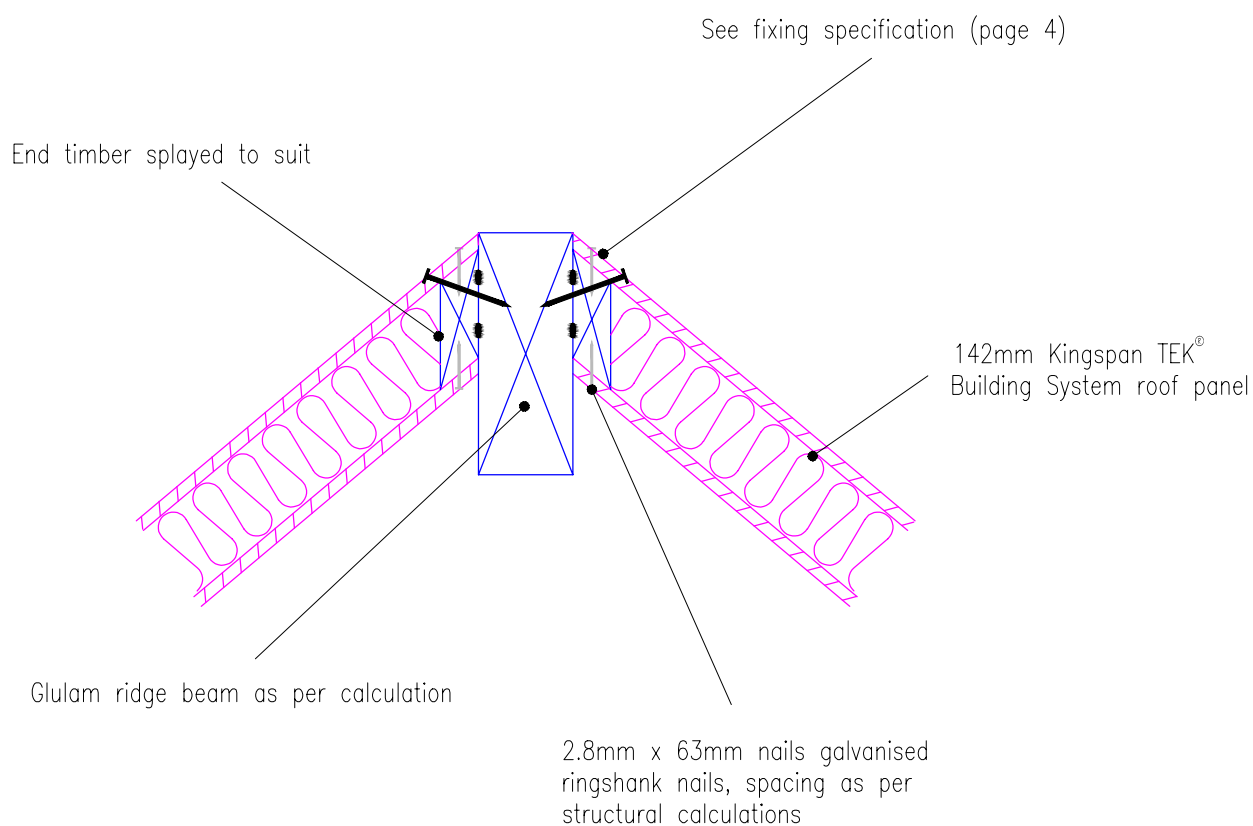
C.M

Scale:

1:10



Revision symbol: A hexagon containing the letter 'R' is connected by a horizontal line to a circle containing the number '7'.



25mm x 50mm counter battens @
400mm max. ctrs. See fixing specification (page 4)

Slate/tile battens 50mm x 25mm
or in accordance with BS 5534
code of practice for slating & tiling

Slate or tile external finish

See fixing specification (page 4)

External wall finish

Lead flashing
min. code 4 lead

Kingspan nilvent® breather
membrane

Slate or tile external finish

Kingspan Kooltherm® cavity closer

25mm deep x 50mm wide
vertical counter battens @
400mm max. ctrs providing
drained & vented cavity
see fixing specification (page 4)

Proprietary flexible cavity firestop

See fixing specification (page 4)



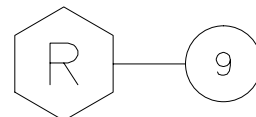
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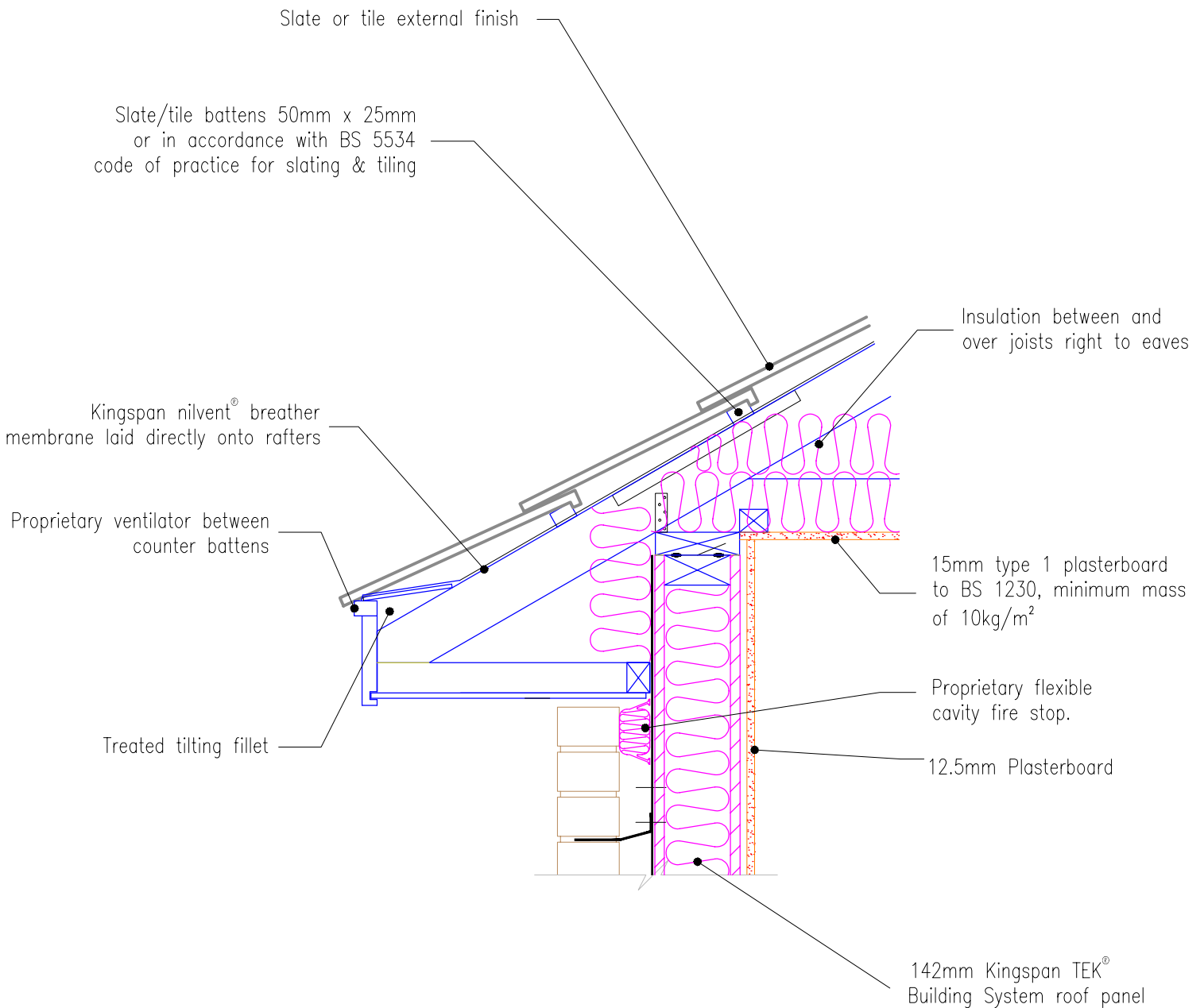
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Roof to roof - change in
level detail.

Date:
19/08/2010

Drawn by: C.M. Scale:
1:10





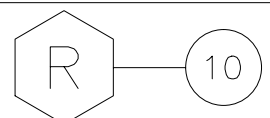
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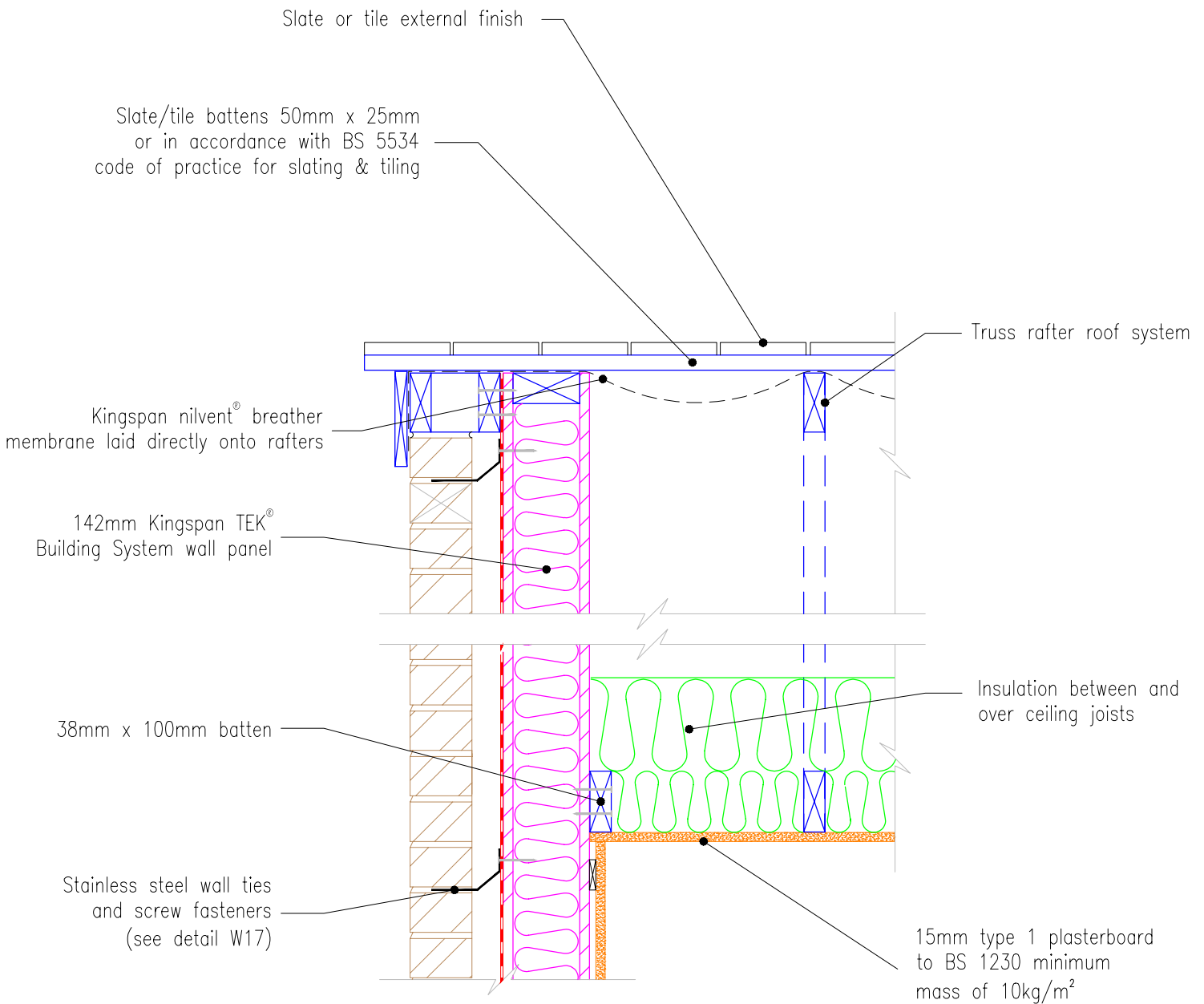
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Typical eaves detail vertical section with truss rafter pitched roof

Date:
9/9/2010

Drawn by: J.L. Scale: 1:10





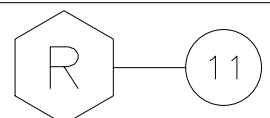
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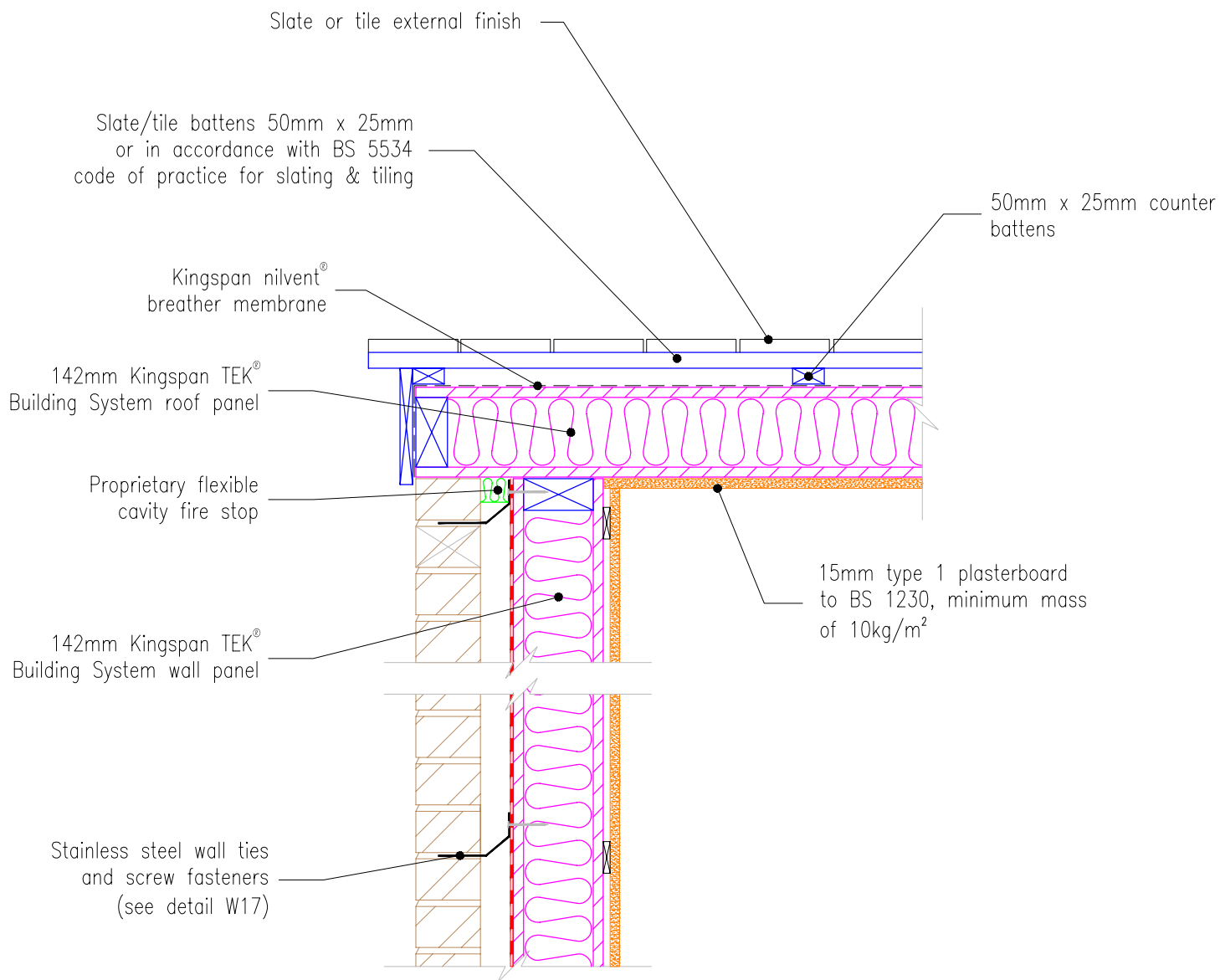
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Kingspan TEK Building System gable junction - truss rafter roof with insulation at ceiling level

Date:
22/11/2010

Drawn by: J.L. Scale: 1:10





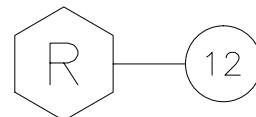
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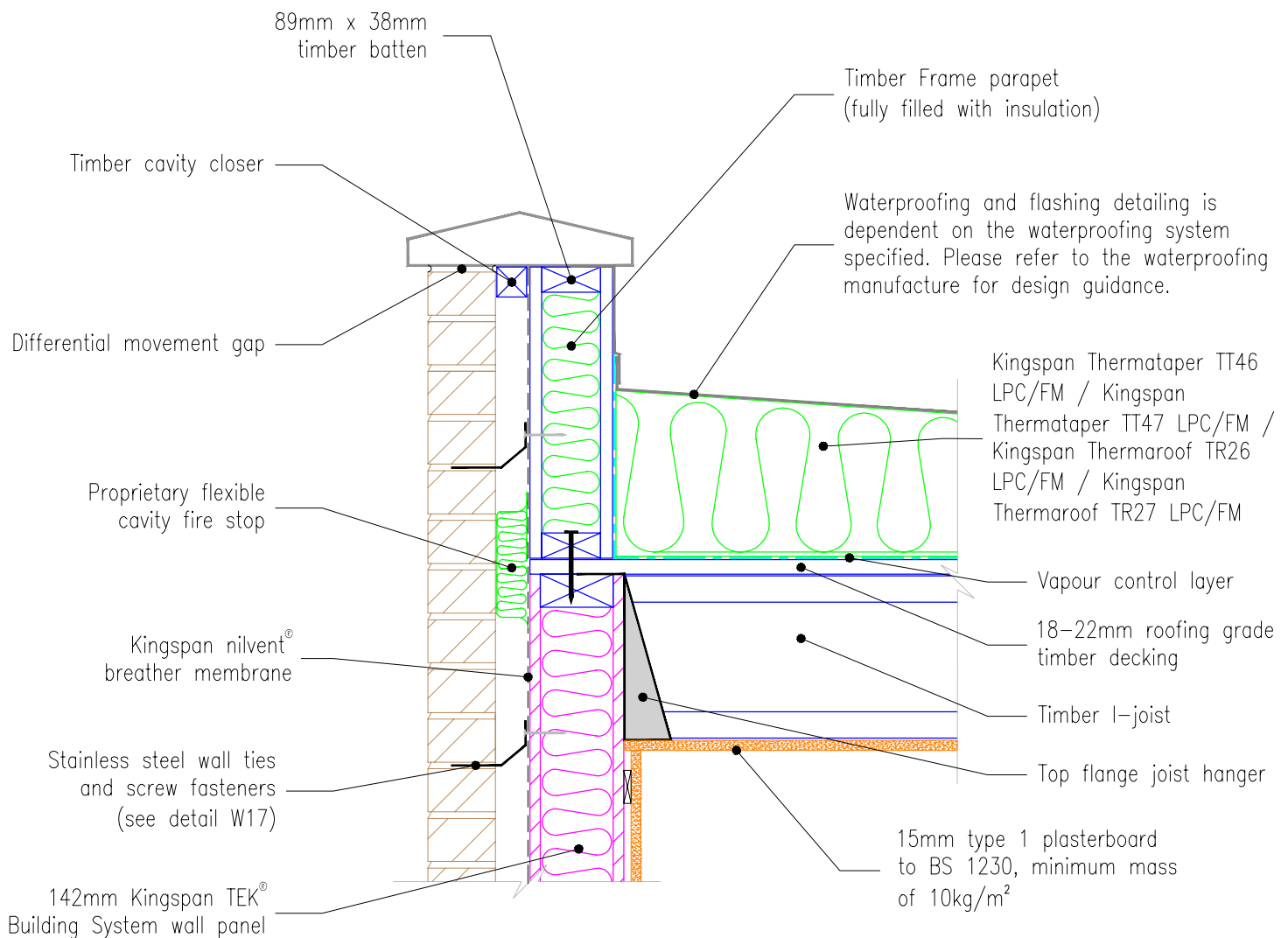
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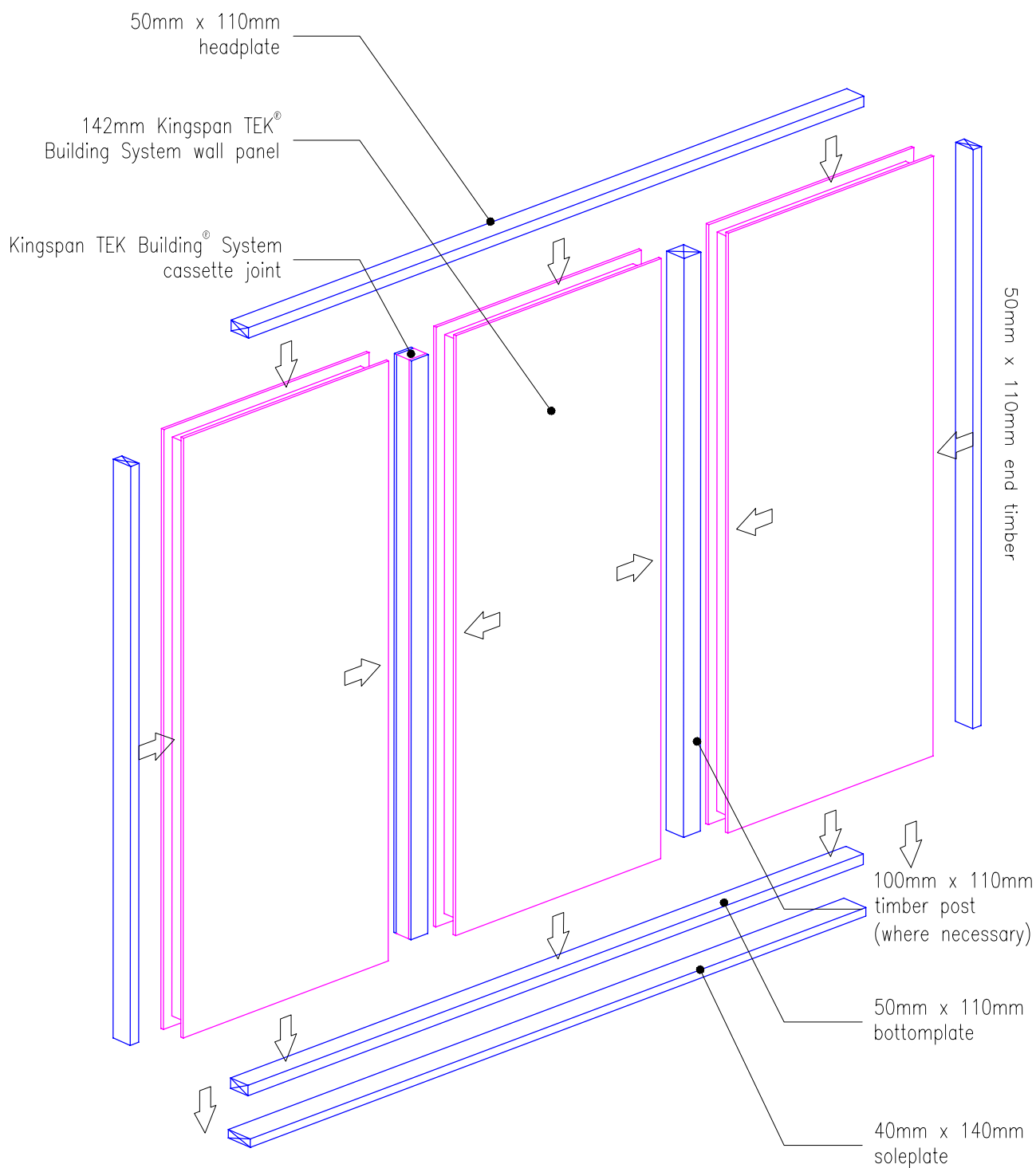
Kingspan TEK Building System gable junction - Kingspan TEK Building System roof panel

Date:
22/11/2010

Drawn by: J.L. Scale: 1:10







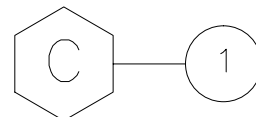
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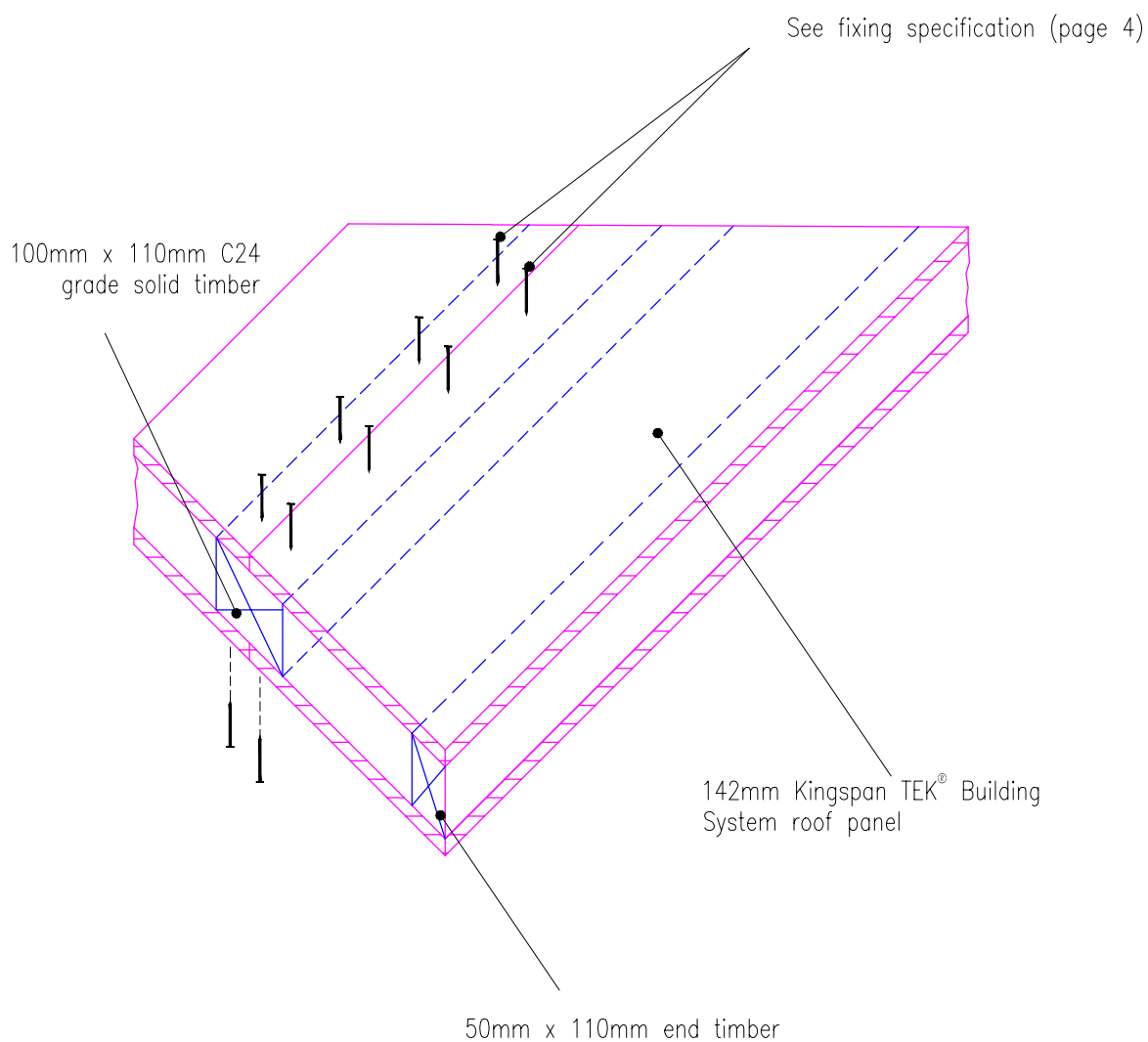
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Typical panel joints for
Kingspan TEK[®] Building System
wall panels.

Date: 6/7/10

Drawn by: J.L. Scale: 1:25





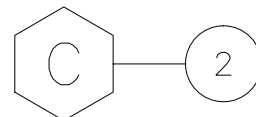
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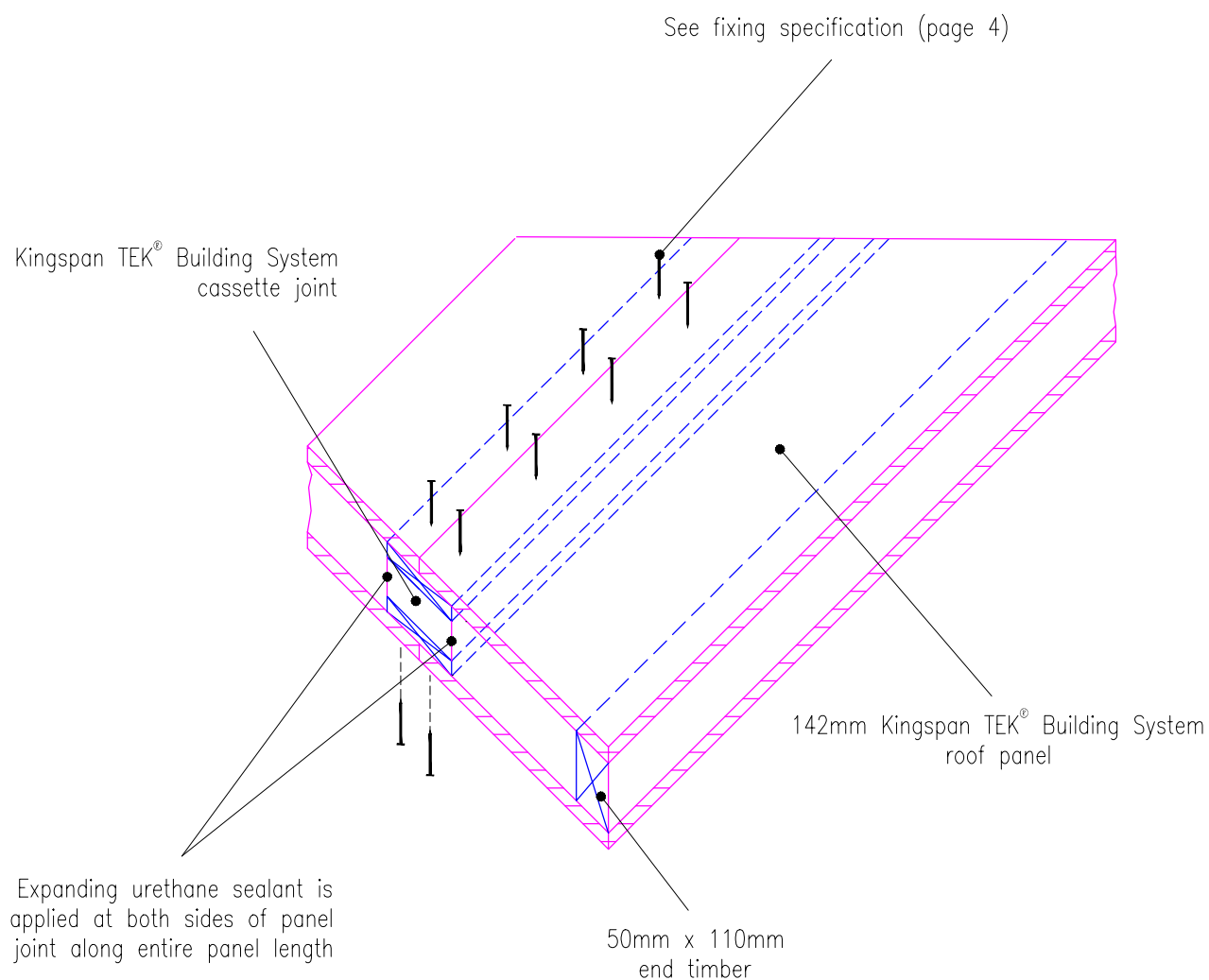
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Timber post panel joint.

Date: 6/7/10

Drawn by: J.L. Scale: 1:10





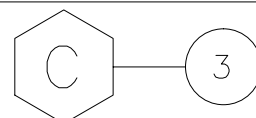
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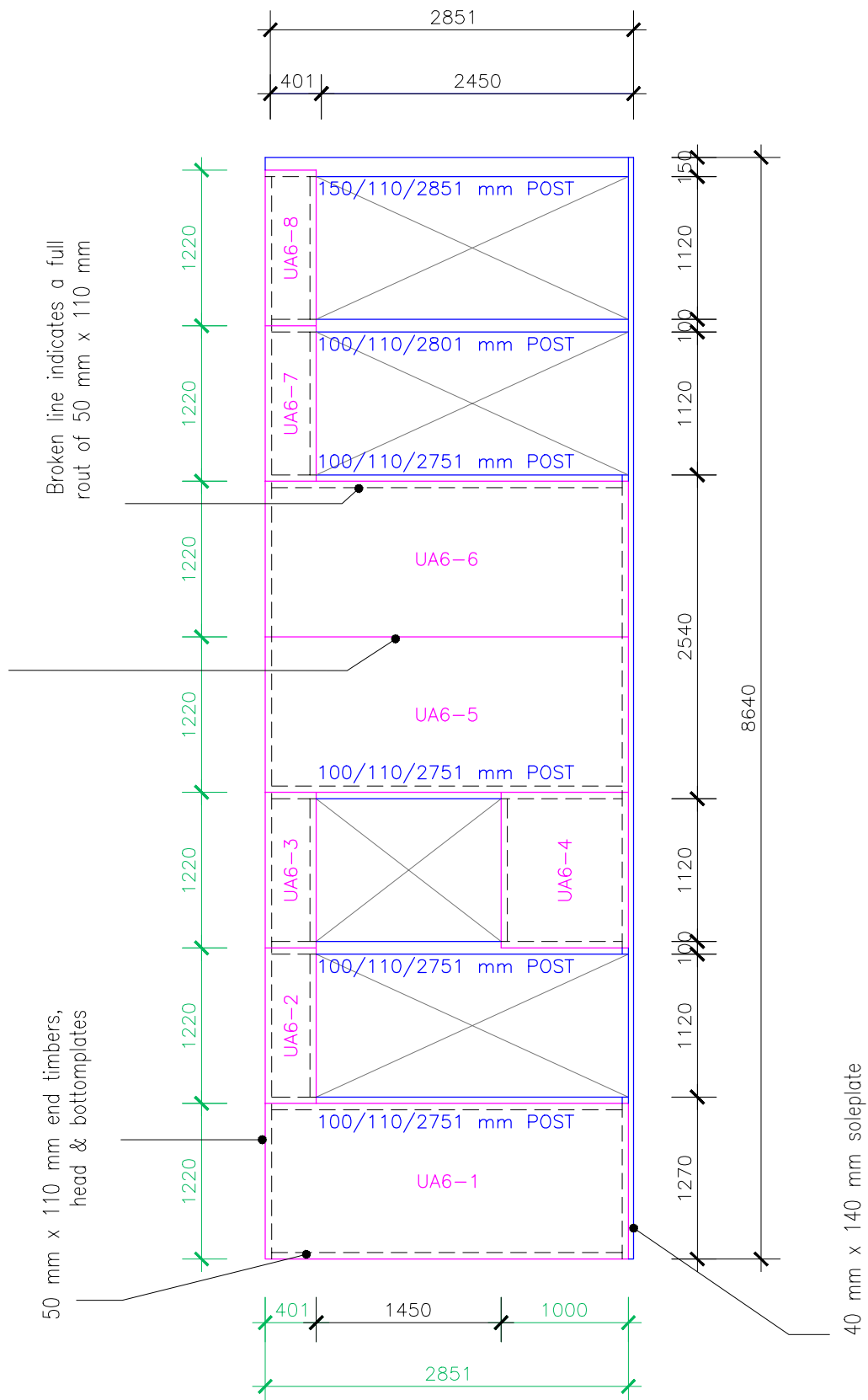
OSB3 cassette panel joint

Date: 6/7/10

Drawn by: J.L. Scale: 1:10



Kingspan TEK® Building System cassette joint



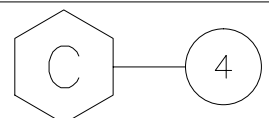
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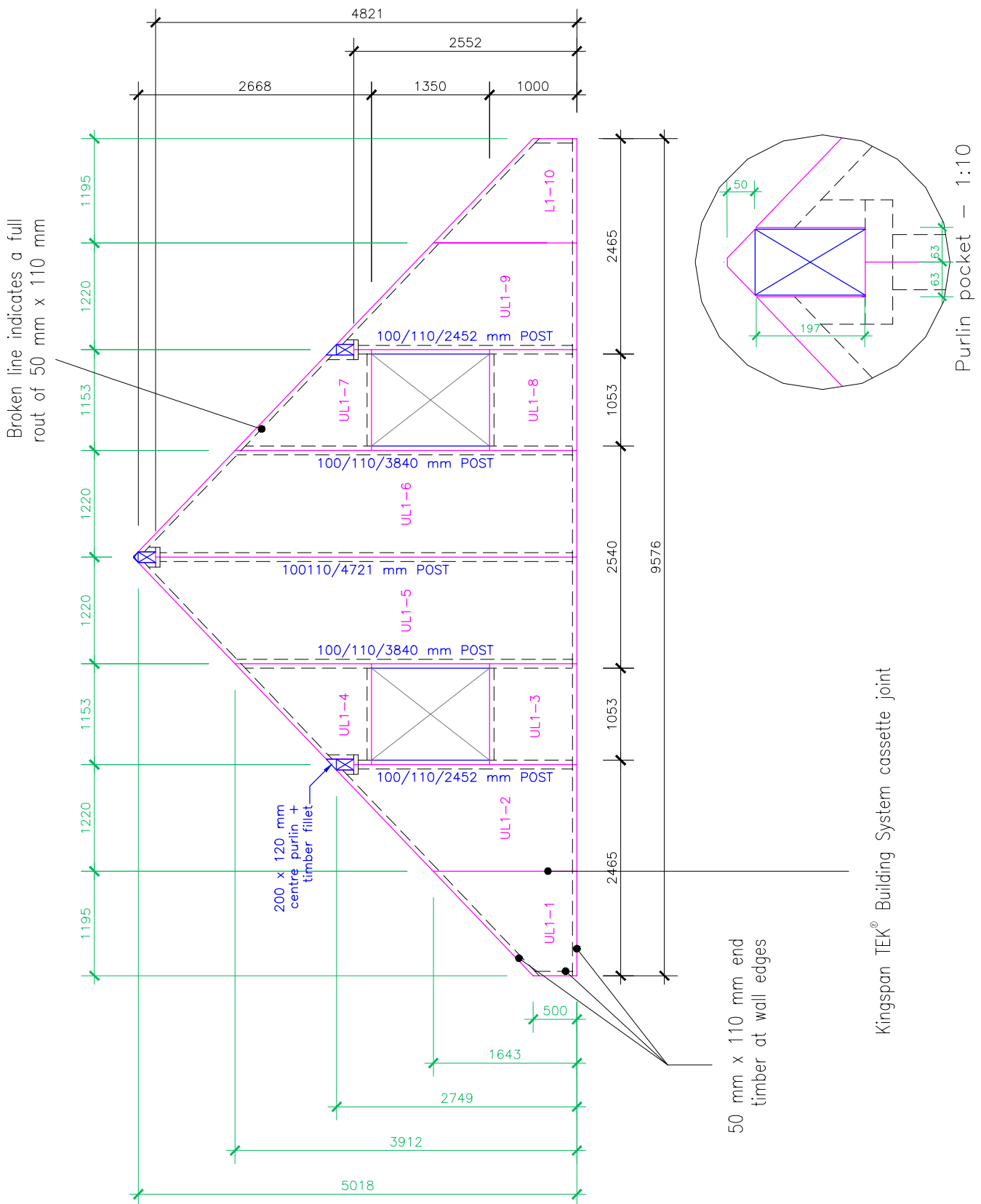
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Typical wall elevation with
window & door openings.

Date: 6/7/10

Drawn by: J.L. Scale: 1:50





Kingspan
TEK
Building
System

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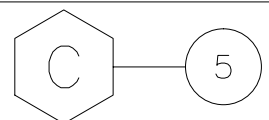
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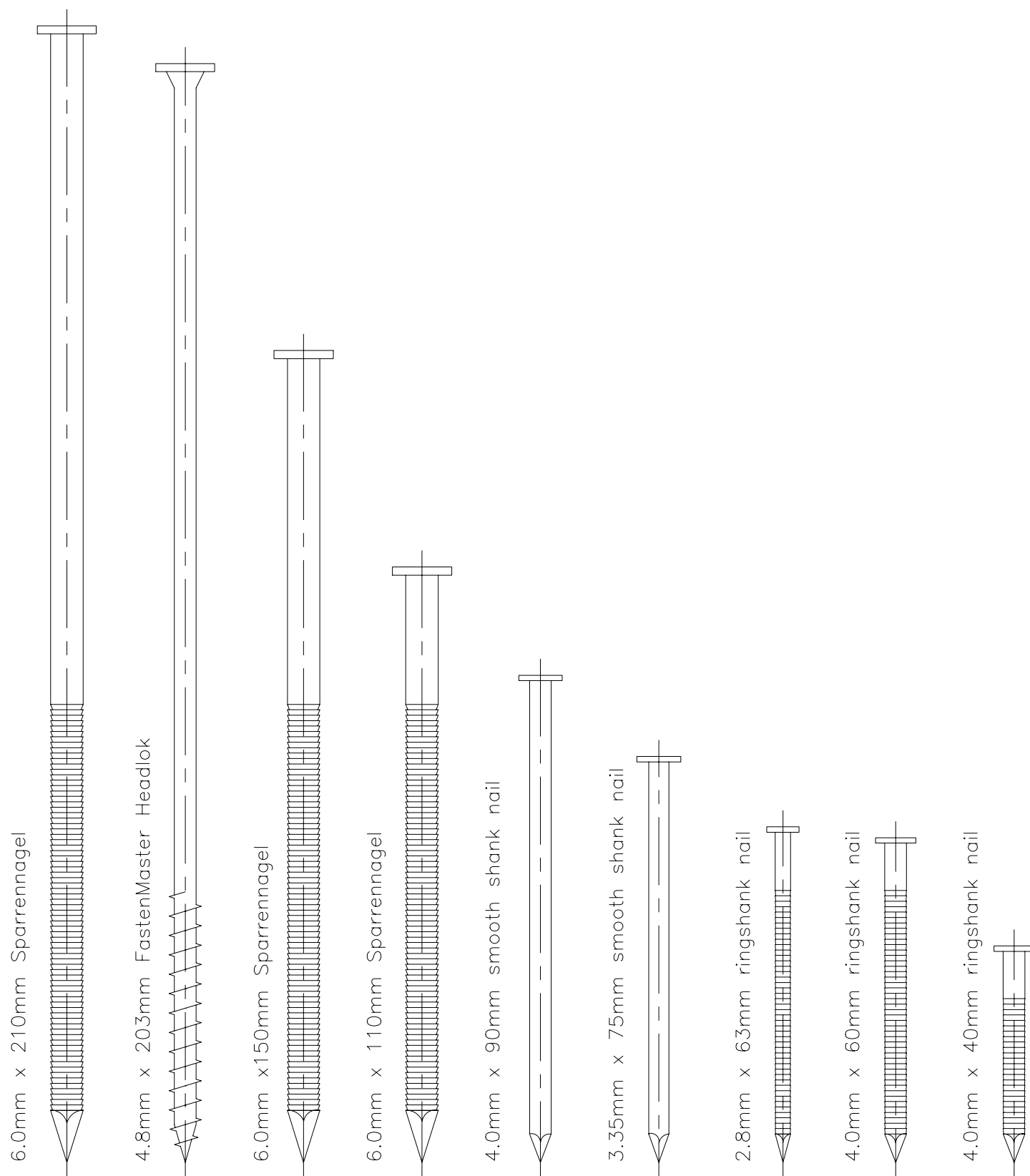
Typical gable elevation with
ridge beam pocket detail.

Date:
6/7/10

Drawn by:
J.L.

Scale:
1:75





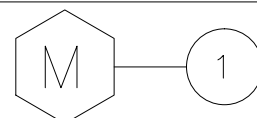
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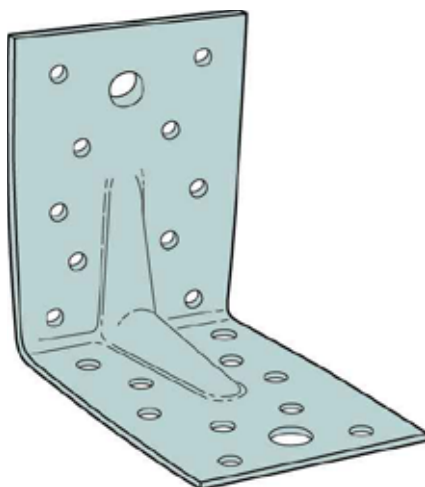
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**Standard fixings -
sparrennagel, smooth,
ringshanks nails & SIP screw**

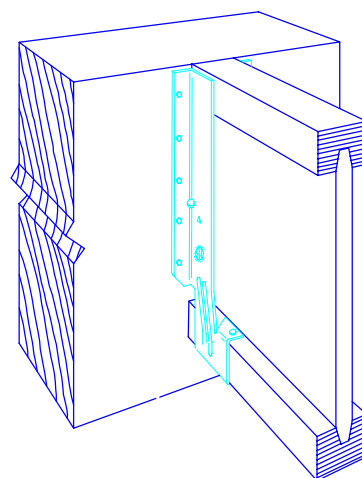
Date:
6/7/10

Drawn by: J.L. Scale: 1:1

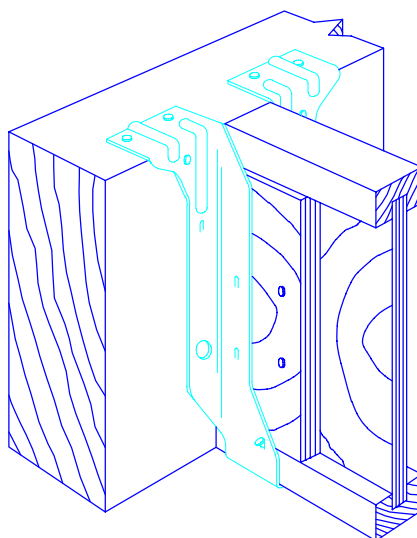




Angle bracket – NTS



Face mounted joist hanger



Top flange joist hanger
with optional web-stiffness



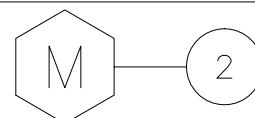
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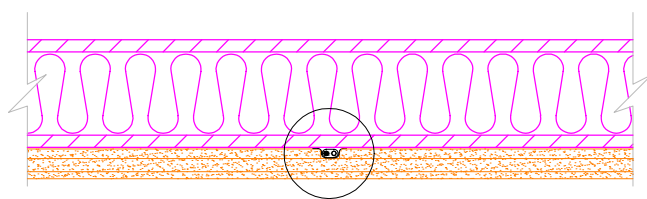
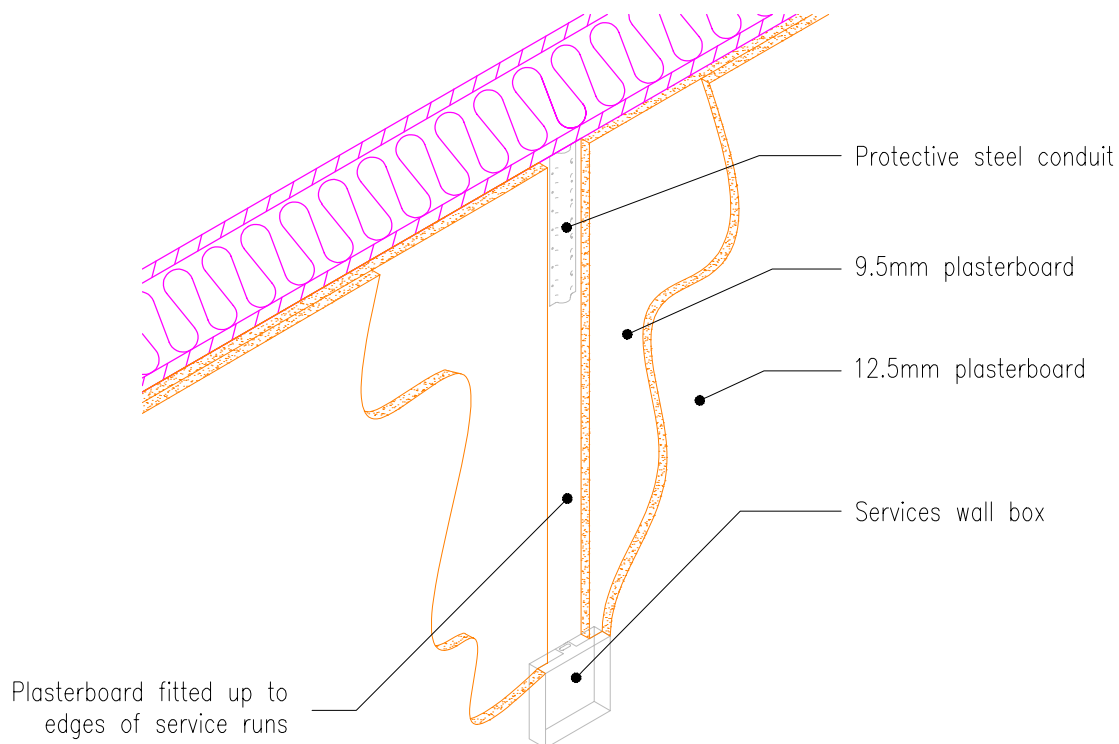
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Standard fixings - hangers
& brackets.

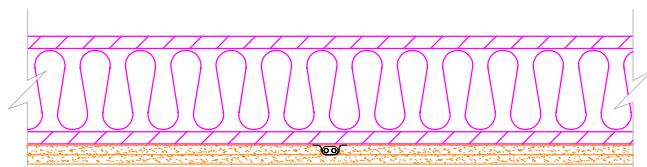
Date: 6/7/10

Drawn by: J.L. Scale: 1:5

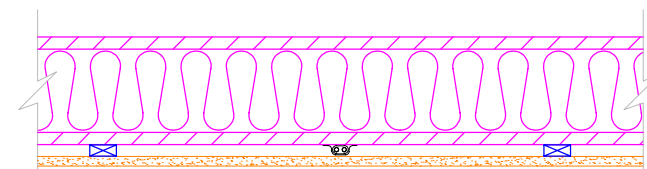




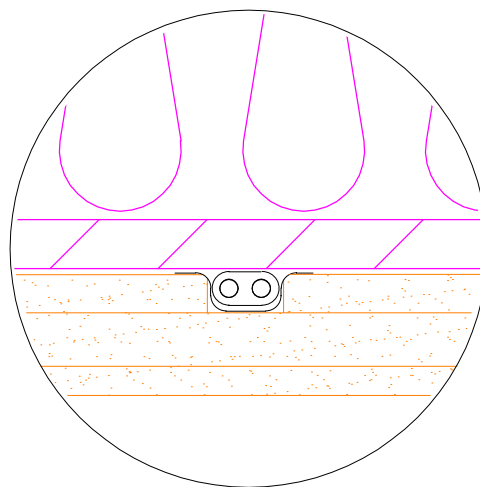
Wall section using triple layer plasterboard to create channel for party wall mounted services.



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



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



Wall mounted services detail - electrical.

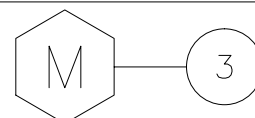


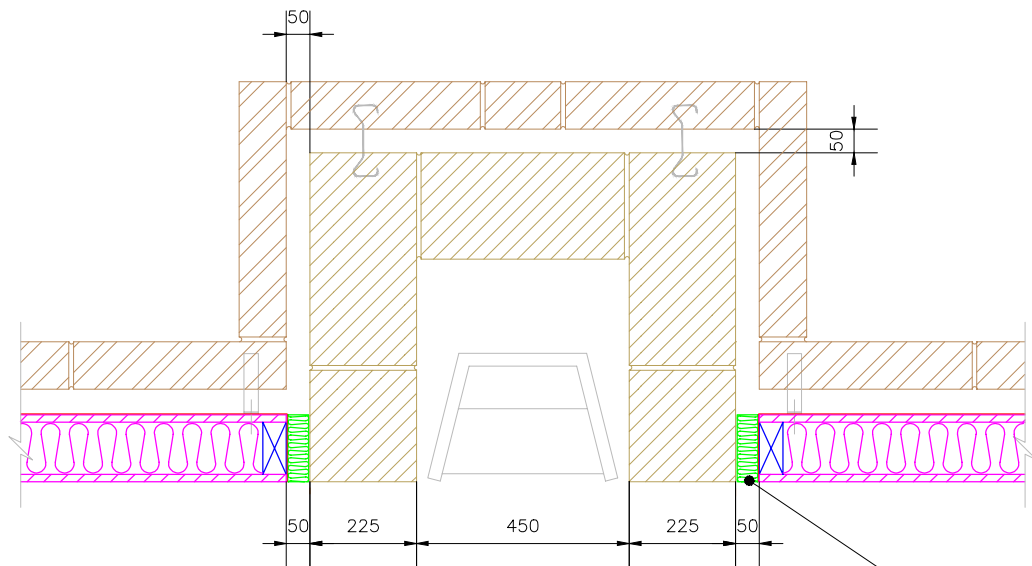
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Date: 6/7/10

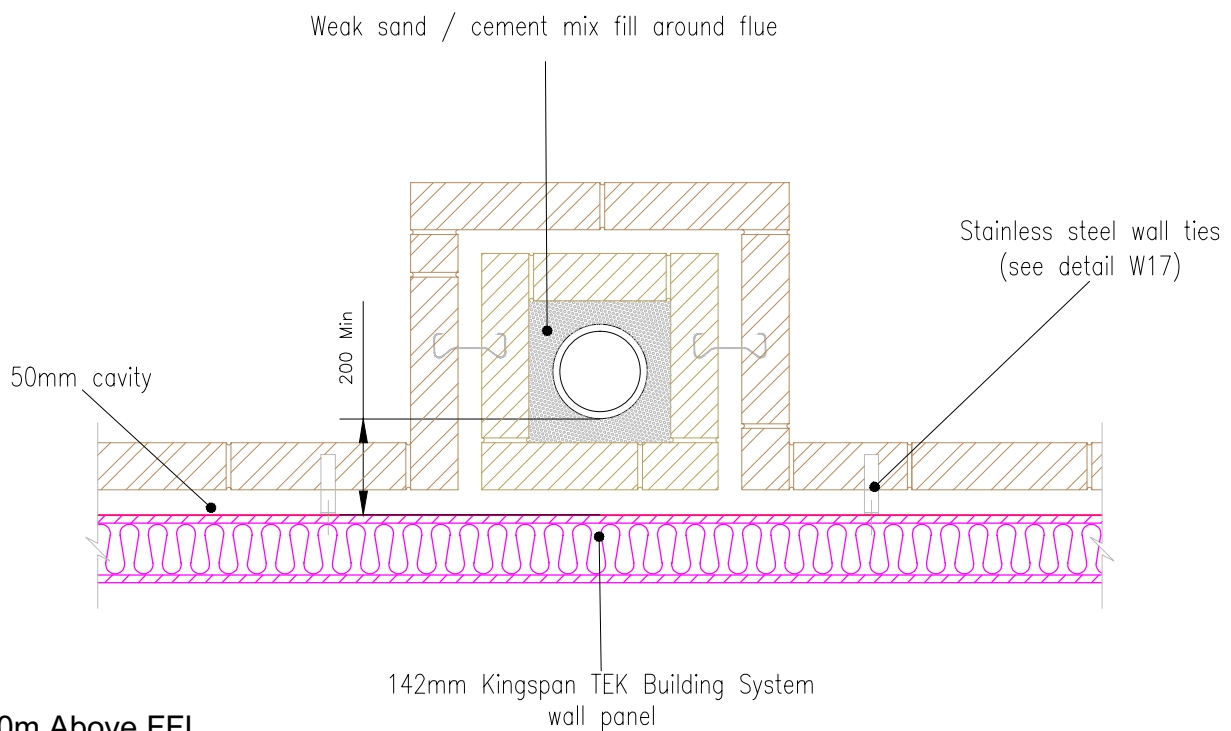
Drawn by: J.L. Scale: 1:10





Ground Floor

40mm min. gap between panel & block filled with non-combustible material



1.0m Above FFL



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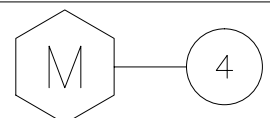
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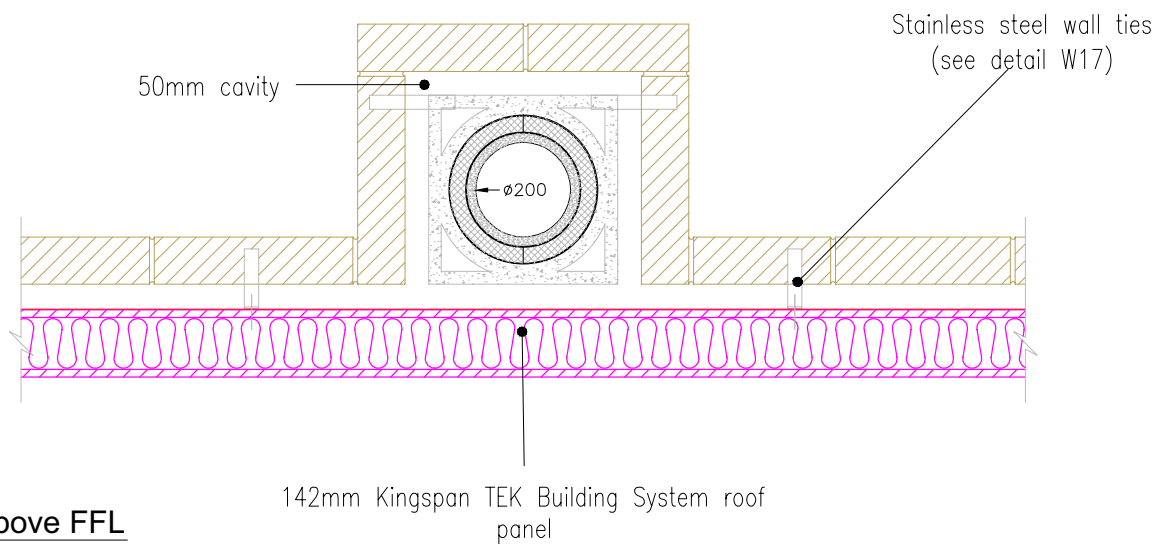
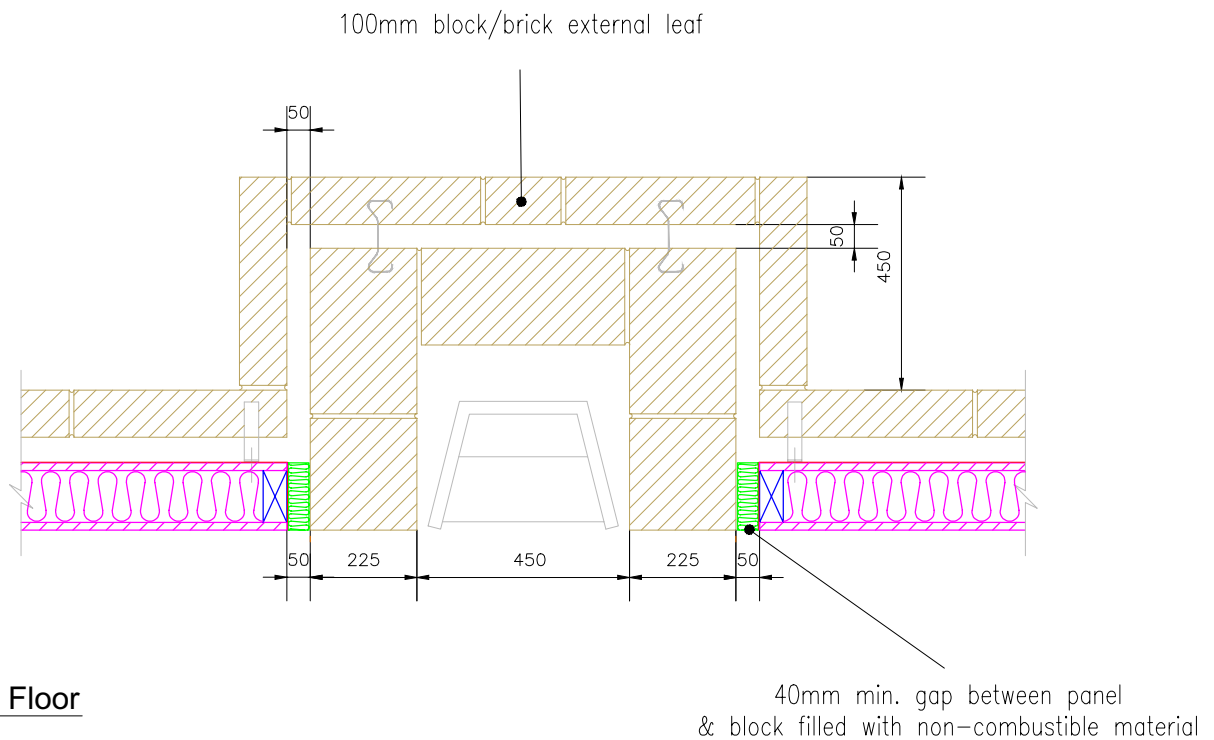
External fireplace recess & chimney.

Date: 6/7/10

Drawn by: J.L.

Scale: 1:16





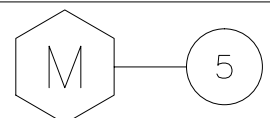
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**Alternate external fireplace
recess & chimney.**

Date: 6/7/10

Drawn by: J.L. Scale: 1:16



Contact Details

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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.

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