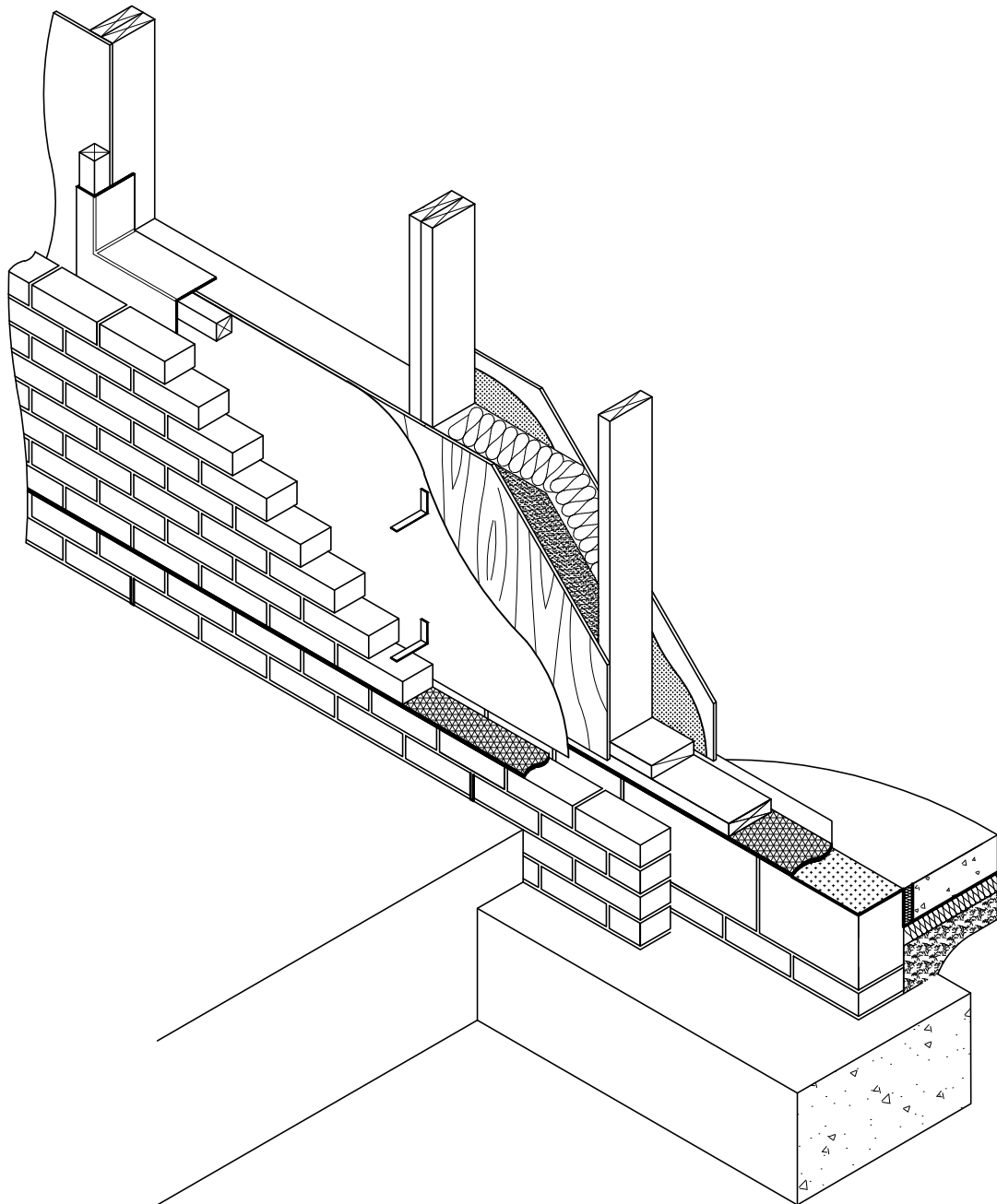


# *TAYLOR LANE* ©

## STANDARD WALL DETAILS

TL D04 V5 - Jan 2021



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## General Notes

The following details are to assist you in the successful erection of your Taylor Lane Timber frame kit. Please look through them carefully and ensure that the sub-contractors you employ are given copies of the details that will be relevant to them. These details are to be read in conjunction with the Working drawings for your project. They are not exhaustive and may be superseded by job specific details included within the working drawings. Should you have any queries regarding any of these details please do not hesitate to contact us.

These details support the specific requirements of the Building Regulations Approved Documents, the N.H.B.C standards, Zurich Municipal Technical Requirements and Robust details. In the event of our Details or specification differing substantively from the above given standards then the certificating authority detail guidance should take precedence and Taylor Lane informed immediately.

Whilst every effort has been made to ensure the accuracy of the information contained within this document, Taylor Lane reserve the right to change or amend any detail or specification as necessary to bring it in to line with the latest regulation or best practice.

### Index Key:

Example:

<i>Ref No.</i>	<i>Revision Letter</i>	<i>Revision Date</i>	<i>Description</i>
SWD 1.0H	- A	Sept 2009	Detail Description

The Reference No. First Three letters relate to the Document:

SWD - Standard Wall Details  
FJS - Floor Junctions Soft Wood Joists  
FJI - Floor Junctions I-Beam Joists  
FJP - Floor Junctions Posi Joists

The Number relates to the Junction Detail. If there is a suffix after the number this means the detail relates to either Houses 'H' or Flats 'F' ONLY.

Descriptions:

HOUSE - Detail is applicable ONLY to Houses  
FLAT - Detail is applicable ONLY to Flats  
All other details were not stated are applicable to both Houses and Flats

LB - Load Bearing  
NLB - Non Load Bearing  
EXT - External  
S/W - Soft Wood  
HOW - Head Of Window

Please Note: If the Soleplate detail required for your project is not included in this document it can be requested from Taylor Lane as a special Soleplate detail. This is available on the CD ROM or as a download from our website.

Please visit [www.taylor-lane.co.uk](http://www.taylor-lane.co.uk) click on the link to login to the Extranet (*Top Right*)

User Name: technical Password: timber (please note ALL lower case).

If a hard paper copy is required please contact Taylor Lane Design Office.

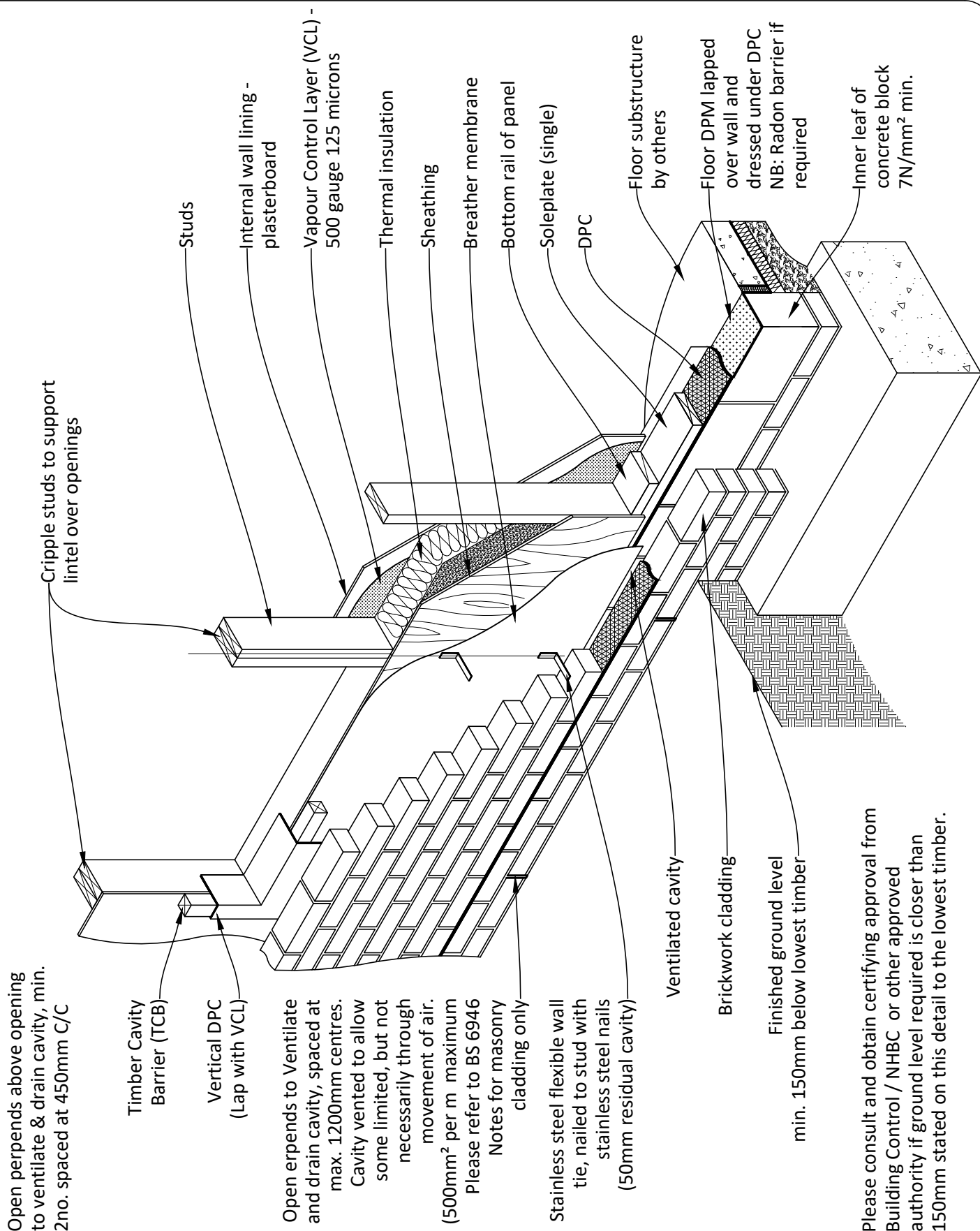
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Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall Details

TITLE:

Typical External Wall Detail  
with Brick Cladding

DETAIL No.

**SWD 1.0**

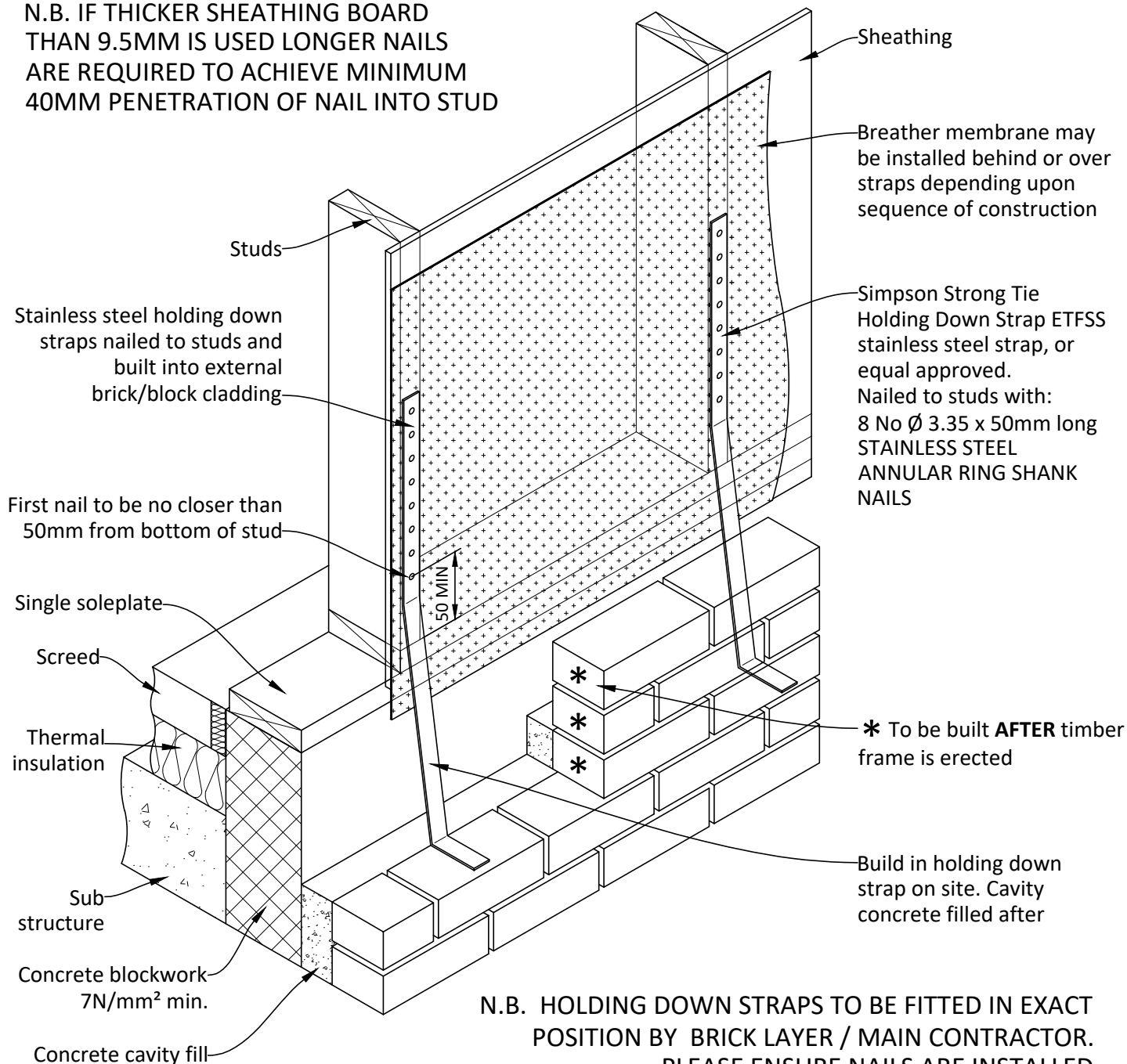
REVISION.

**D**

DATE ISSUED.

Jan 2021

N.B. IF THICKER SHEATHING BOARD THAN 9.5MM IS USED LONGER NAILS ARE REQUIRED TO ACHIEVE MINIMUM 40MM PENETRATION OF NAIL INTO STUD



N.B. HOLDING DOWN STRAPS TO BE FITTED IN EXACT POSITION BY BRICK LAYER / MAIN CONTRACTOR. PLEASE ENSURE NAILS ARE INSTALLED DIRECTLY INTO CENTRELINE OF STUD. SEE WORKING DRAWING FOR LOCATION OF STRAPS

#### NOTE:

Position and rating if holding down straps and fixings to be specified by engineer if required. DPCs NOT shown for clarity  
(BUILT INTO FULL HEIGHT SKIN OF MASONRY)

Note: Only figured dimensions to be worked from.

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#### Simpson Strong Tie Holding Down Straps:

EFTSS stainless steel straps nailed to studs with 8no 3.35Ø x 50mm stainless steel annular ring shank nails & built into masonry. (40mm nail penetration into stud required)

NB: Holding down straps to be fitted in exact final position as noted by bricklayer / main contractor.



denotes strap positions.  
See Taylor Lane Standard detail SWD 2.0 for further details.

SWD 02.0

DETAILS:

Standard Wall Details

TITLE:

Holding Down Straps  
(Stainless Steel)

DETAIL No.

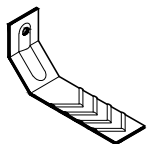
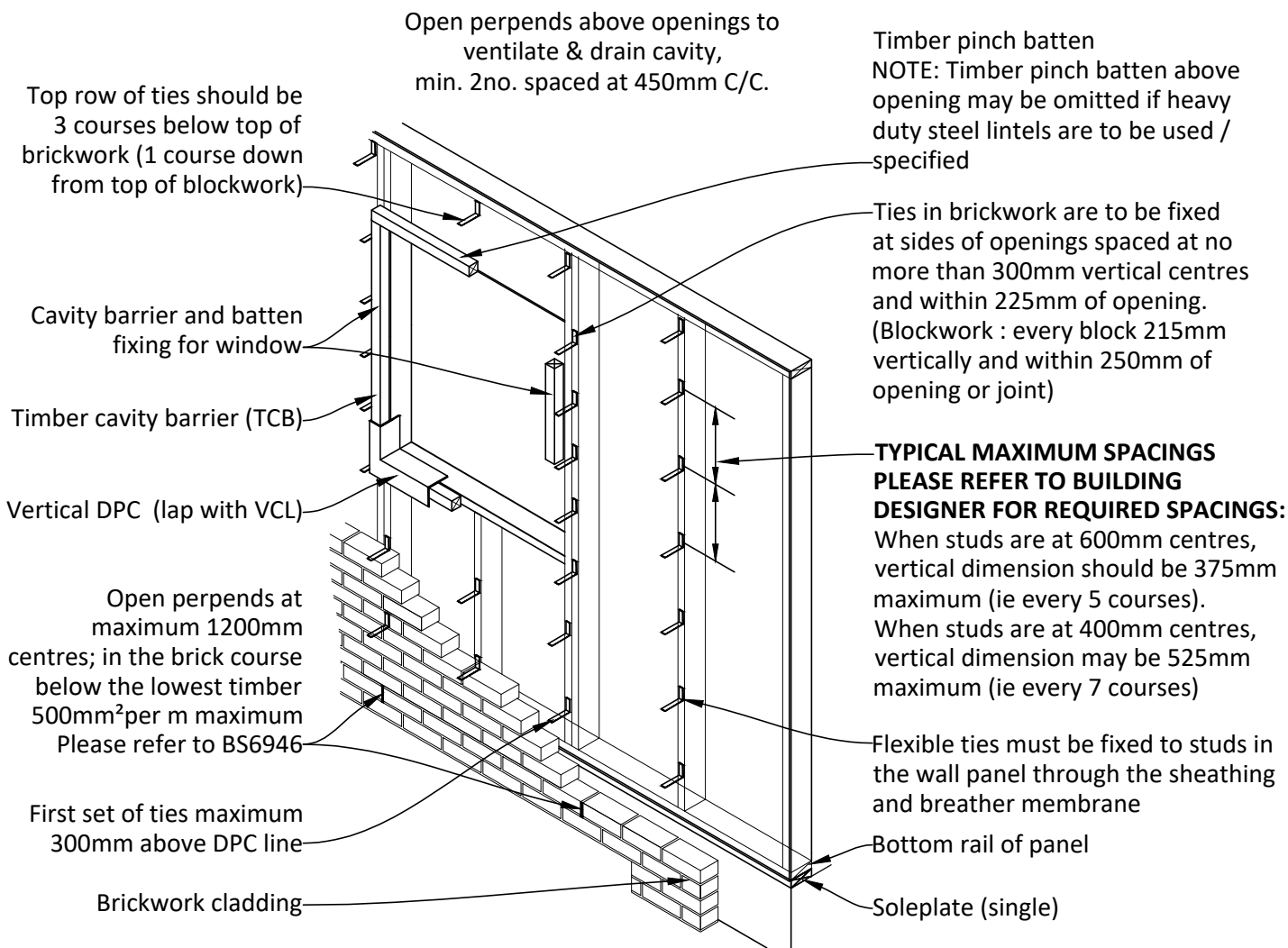
**SWD 2.0**

REVISION.

**D**

DATE ISSUED.

Jan. 2021



Typical tie, others types are available

Fixed with 1 No.  $\emptyset 3.35 \times 50\text{mm}$  stainless steel shanked nail.  
Ensure nail is fixed into centre-line of timber stud (indicated by tape on panel).  
Slope wall ties down from the sheathing so that slope is maintained following differential movement. Keep ties clear of mortar droppings.  
**TYPICAL MAXIMUM SPACINGS PLEASE REFER TO BUILDING DESIGNER FOR REQUIRED SPACINGS:**  
Maximum wall tie spacing 600mm Horizontally.  
At jambs of openings maximum spacing 300mm vertically within 225mm of opening.

**PLEASE REFER TO WALL TIE MANUFACTURERS RECOMMENDATIONS & THEIR TECHNICAL DEPARTMENT WHEN ASSESSING WHICH WALL TIE TYPE TO USE WITH MULTI STOREY BUILDINGS**  
**BUILDING DESIGNER to assess actual wall tie spacing for project and in exposed locations wall tie spacing may need to be reduced and should be calculated in accordance with BS5268-6**

**NOTE:** Ensure that wall ties are stainless steel and suitable for use with timber frame. Nail wall ties securely to timber studs at specified centres and fully bed ends of ties in mortar joints. Ensure ventilation and drainage of cavity. (SUPPLY ONLY)

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DETAILS:

Standard Wall Details

TITLE:

Brick Wall Tie Details

DETAIL No.

**SWD 3.0**

REVISION:

**D**

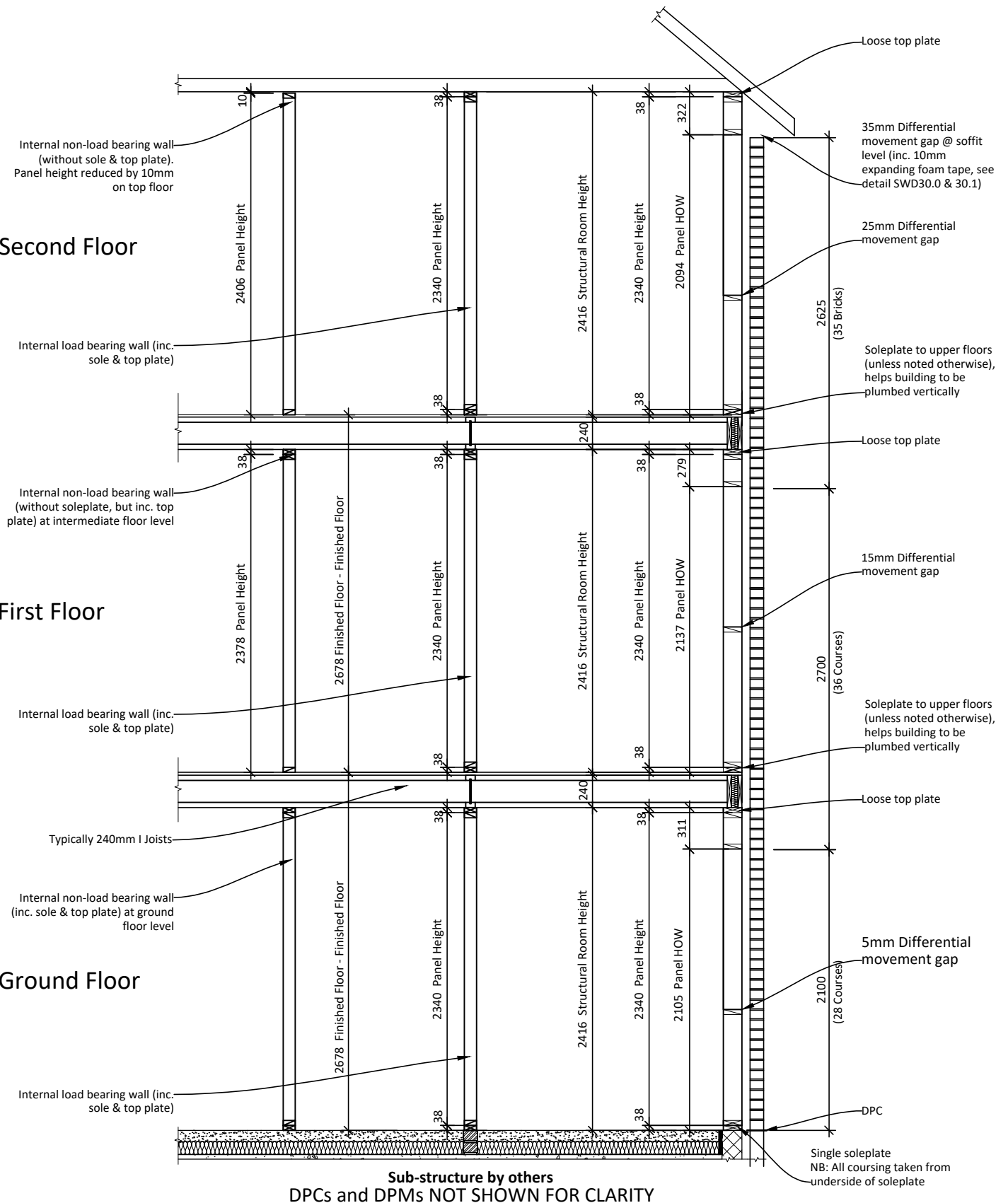
DATE ISSUED:

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## Second Floor

## First Floor

## Ground Floor



Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall Details

TITLE:

HOUSES  
Typical Three Storey  
Vertical Setting Out I Joist

DETAIL No.

**SWD 4.0HI**

REVISION.

**E**

DATE ISSUED.

Jan. 2021

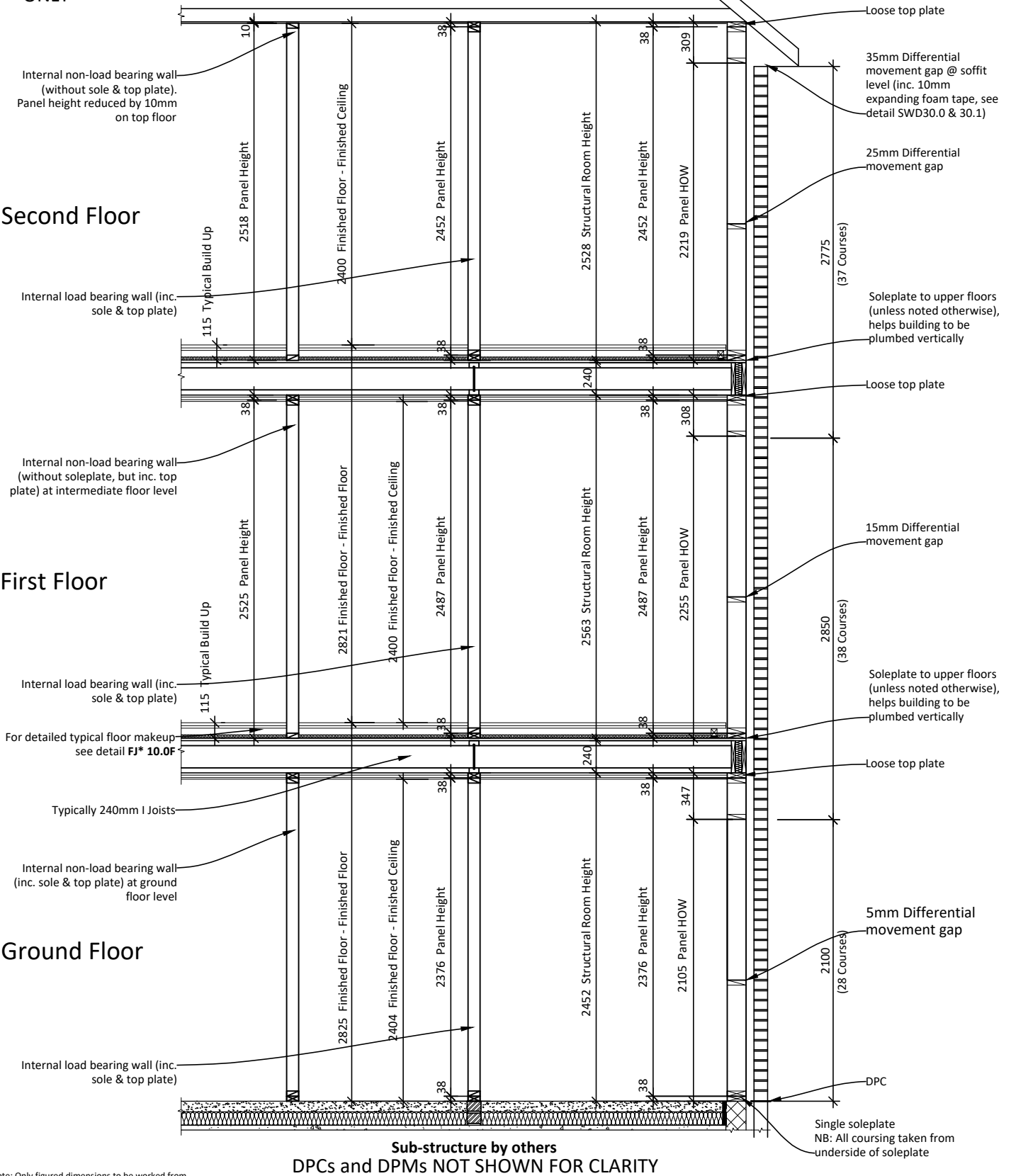
# FLATS

E-FT-1  
ONLY

## Second Floor

## First Floor

## Ground Floor



Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall Details

TITLE:

FLATS  
Typical Three Storey  
Vertical Setting Out

DETAIL No.

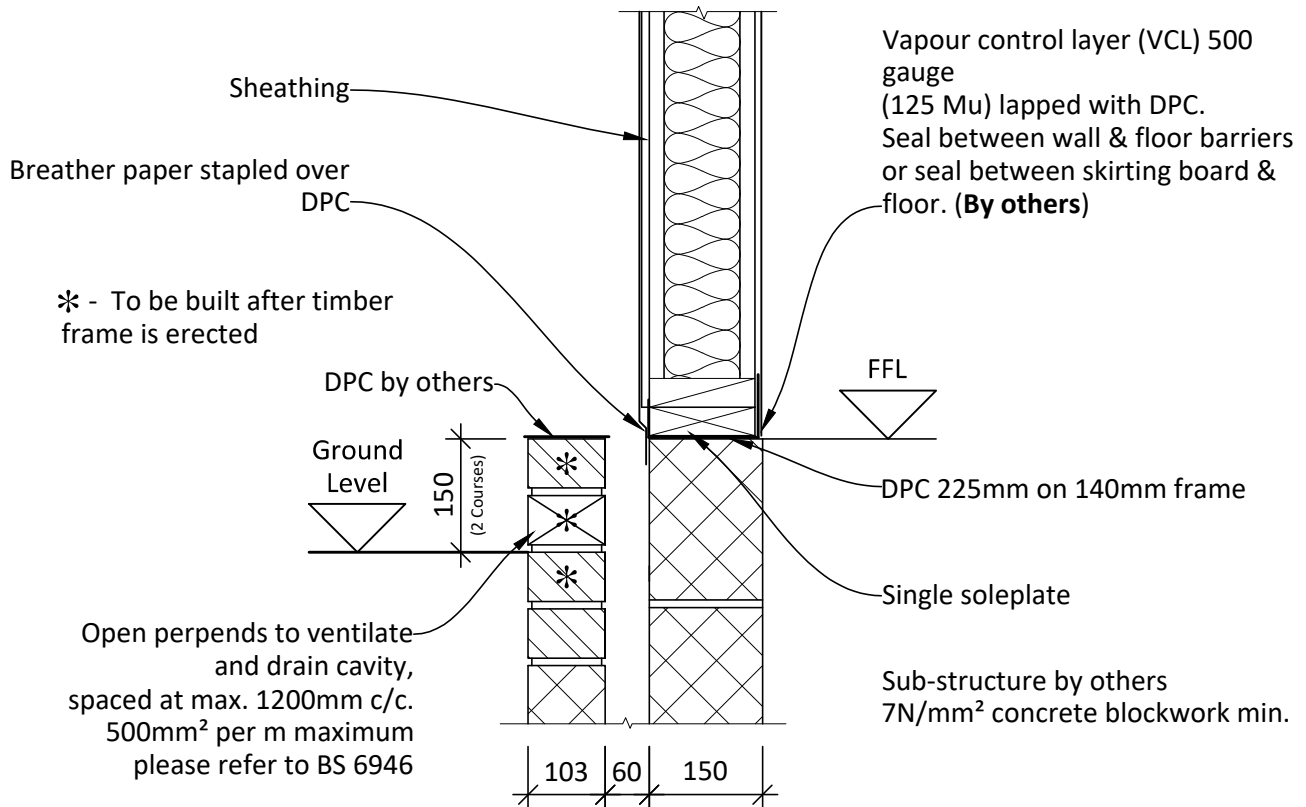
**SWD 5.0F**

REVISION.

**E**

DATE ISSUED.

Jan. 2021



**If you are in an area affected by Radon & Methane Gas, please ensure that all necessary precautions are in place before the timber frame is erected.**

**Please consult and obtain certifying approval from Building Control or other approved authority if ground level required is closer than the 150mm stated on this detail to the lowest timber.**

Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall Details

TITLE:

External Single Soleplate  
Detail Brick Coursing

DETAIL No.

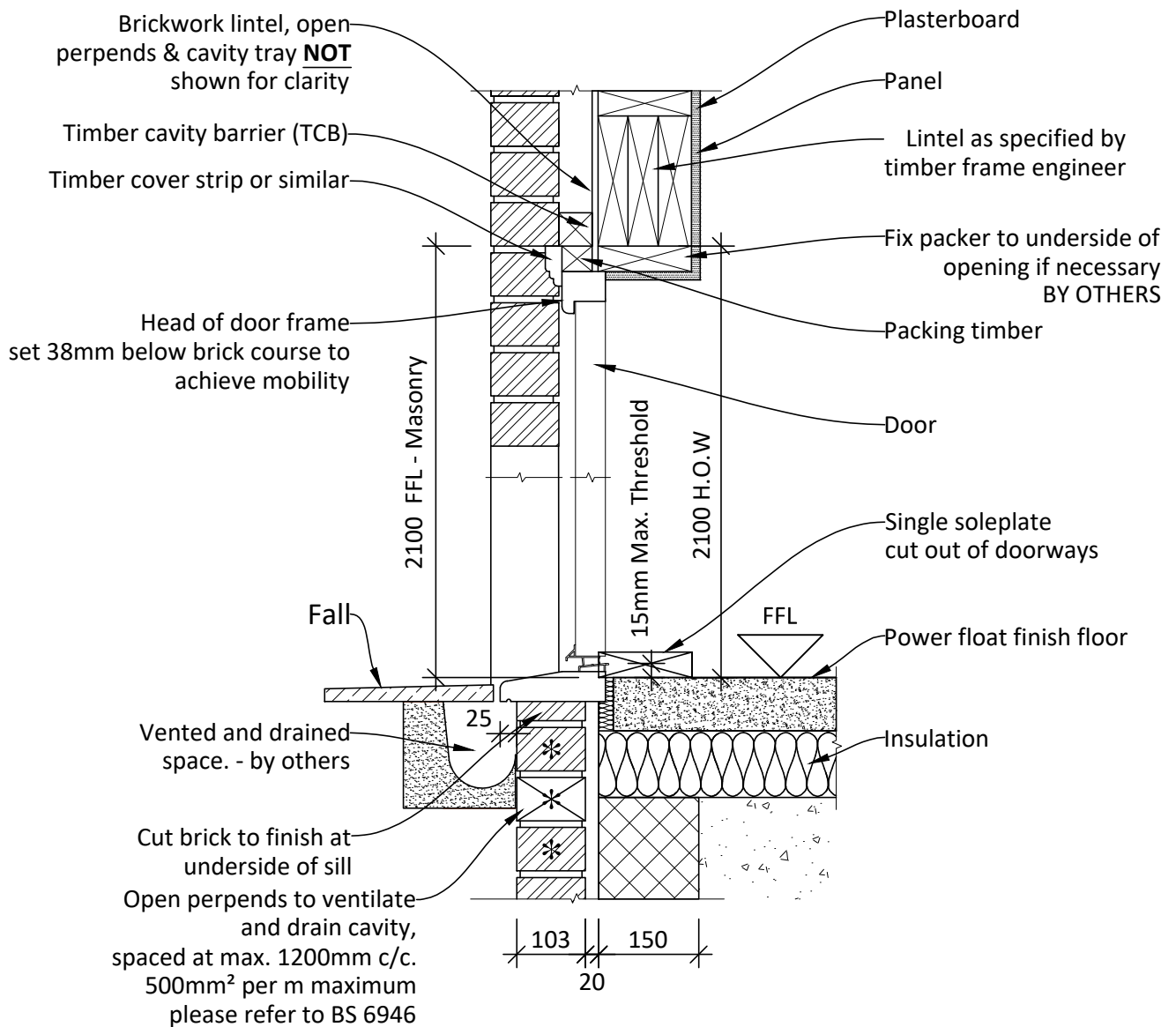
**SWD 6.0**

REVISION:

**D**

DATE ISSUED:

Jan 2021



**DPCs & VCL NOT shown for clarity.**

**NOTE:** Where standard 60mm cavity at door entrance use cant. bricks to ensure drip on subsill is functional.

Note: Only figured dimensions to be worked from.

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DETAILS:

**Standard Wall Details**

TITLE:

**External  
Single Soleplate  
Mobility Threshold**

DETAIL No.

**SWD 6.1**

REVISION.

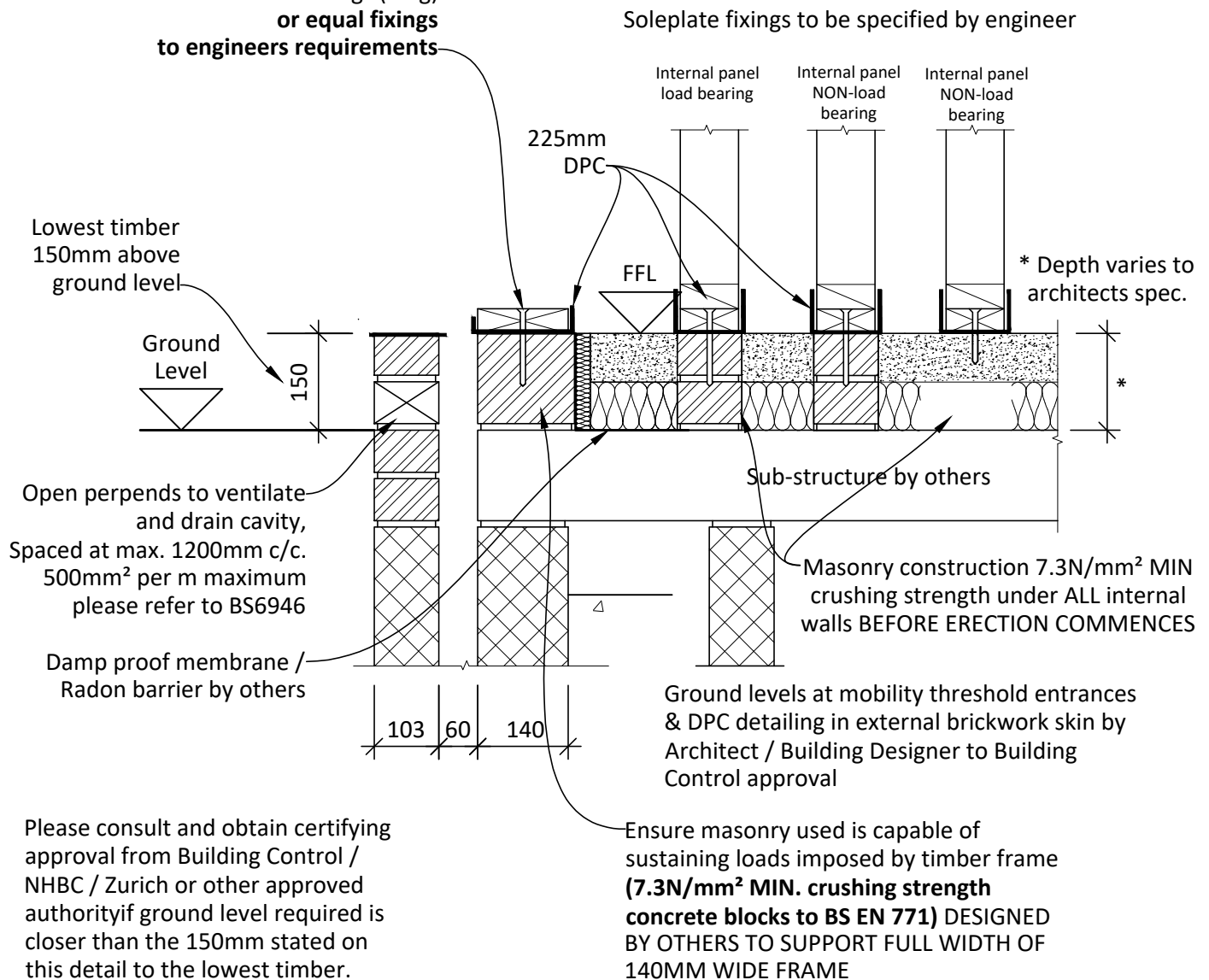
**D**

DATE ISSUED.

**Jan. 2021**

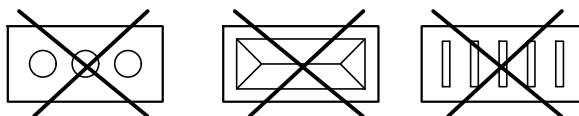
Single soleplate laid on 225mm DPC.  
 Drilled & fixed to masonry using  
 hammer fix fixings @ 600 C/C MAX using  
 Friulsider TSS 622 M8 Ø x 100mm long  
 Hammerfix fixings (Plug)  
**or equal fixings  
 to engineers requirements**

**SOLEPLATE FIXINGS MUST BE INSTALLED AT  
 CENTRES SPECIFIED ON WORKING DRAWINGS  
 & AT SIDES OF FULL HEIGHT OPENINGS AS  
 SPECIFIED BY ENGINEER**



**If you are in an area affected by Radon & Methane Gas, please ensure that all necessary precautions are in place before the timber frame is erected.**

NOTE:  
**ENSURE ALL** masonry used under soleplate fixings  
**ARE NOT** perforated or frogged ie. those shown below



Note: Only figured dimensions to be worked from.

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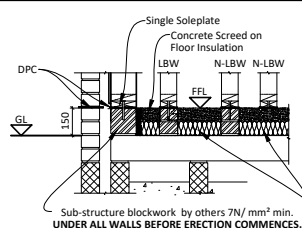
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"Hammer Fix" Single Soleplate

SWD 06.2

DETAILS:

Standard Wall Details

TITLE:

Single Soleplate  
 Drill & Hammer Fix

DETAIL No.

**SWD 6.2**

REVISION.

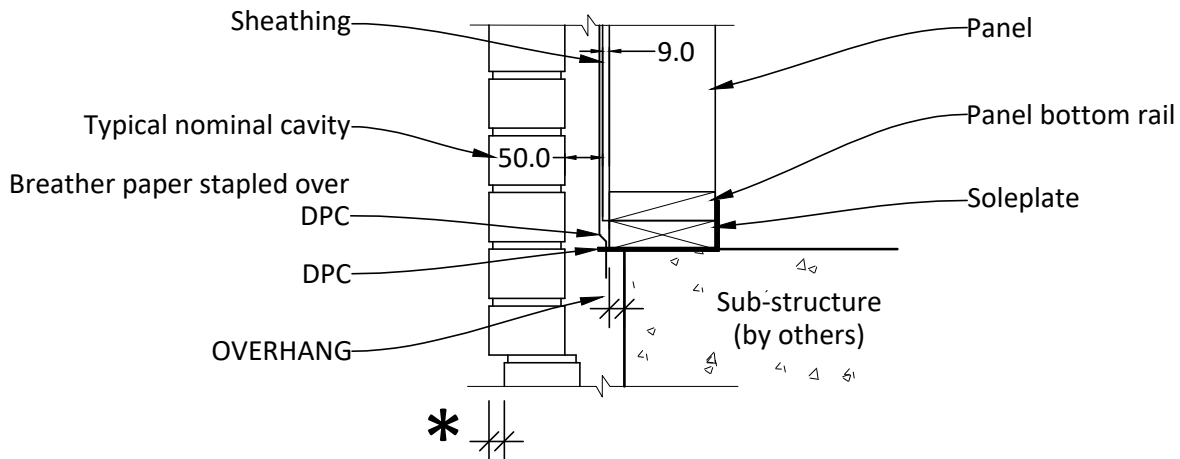
**E**

DATE ISSUED.

Jan. 2021



20mm MAXIMUM overhang of frame over supporting structure  
with 140mm wide studs  
(12mm maximum overhang with 90mm wide studs)  
If greater than dimensions above, please contact Taylor Lane **IMMEDIATELY**



ANY REDUCTION IN WIDTH OR PACKING OF TIMBER CAVITY  
BARRIERS AROUND OPENINGS ON SITE BY OTHERS

Note: \*

BEFORE starting to build external masonry, plumb down from the eaves and  
gables of timber frame to check the cavity widths fall between the  
minimum and maximum tolerances

Tolerance of cavity width on plan : + / - 5mm

ENSURE NOMINAL 50MM CAVITY IS MAINTAINED

Reduced cavity width must be approved by local building control before  
proceeding.

Please refer to architects drawings & read in conjunction with Taylor Lane  
soleplate / block layouts for specific cavity widths required

Any corbelling of brickwork to be below ground level and to be the  
structural responsibility of building designer / others structural engineers

Any adjustment or packing of TCB's to suit variance in cavity when external  
cladding is being installed to be responsibility of main contractor

Note: Only figured dimensions to be worked from.

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Overhanging / Set Back, Packing & Grouting of SPs:

Any Underhanging / Overhanging, Packing & Grouting of  
Soleplates to be approved by Taylor Lanes T.F. Engineer /  
Clients Structural engineer / Certifying authority See  
Standard Details SWD 7.0 - 7.1 - 7.2

Ground Levels & Soleplates:

Soleplates (and DPC) to be 150mm above external ground  
level to underside of first soleplate. Ground levels at mobility  
threshold entrances & DPC detailing in external skin by  
architect / building designer to building control approval.

Please consult and obtain certifying approval from building  
control / NHBC / Zurich or other approved authority if  
ground level is closer than 150mm as stated above.

SWD 7.0 - 7.1 - 7.2

DETAILS:

Standard Wall Details

TITLE:

Timber Frame Overhang

DETAIL No.

**SWD 7.0**

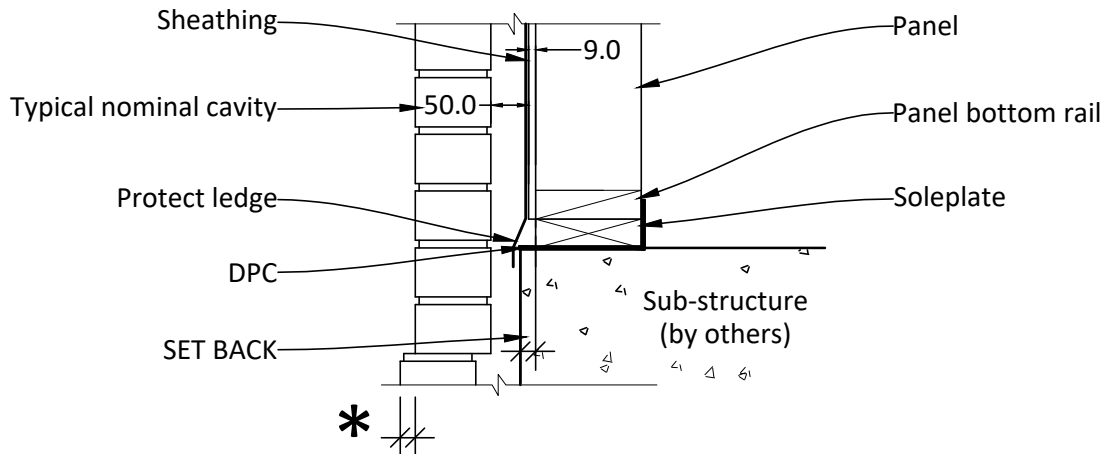
REVISION.

**E**

DATE ISSUED.

Jan. 2021

20mm MAXIMUM frame set back from edge of supporting structure  
with 140mm wide studs  
(12mm maximum set back with 90mm wide studs)  
If greater than dimensions above, please contact Taylor Lane IMMEDIATELY



ANY REDUCTION IN WIDTH OR PACKING OF TIMBER CAVITY  
BARRIERS AROUND OPENINGS ON SITE BY OTHERS

Note: \*

BEFORE starting to build external masonry, plumb down from the eaves and  
gables of timber frame to check the cavity widths fall between the  
minimum and maximum tolerances

Tolerance of cavity width on plan : + / - 5mm

ENSURE NOMINAL 50MM CAVITY IS MAINTAINED

Reduced cavity width must be approved by local building control etc.  
before proceeding.

Please refer to architects drawings & read in conjunction with Taylor Lane  
soleplate / block layouts for specific cavity widths required

Any corbelling of brickwork to be below ground level and to be the  
structural responsibility of building designer / others structural engineers

Any adjustment or packing of TCB's to suit variance in cavity when external  
cladding is being installed to be responsibility of main contractor

Note: Only figured dimensions to be worked from.

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Soleplates to be approved by Taylor Lanes T.F. Engineer /  
Clients Structural engineer / Certifying authority See  
Standard Details SWD 7.0 - 7.1 - 7.2

**Ground Levels & Soleplates:**

Soleplates (and DPC) to be 150mm above external ground  
level to underside of first soleplate. Ground levels at mobility  
threshold entrances & DPC detailing in external skin by  
architect / building designer to building control approval.

Please consult and obtain certifying approval from building  
control / NHBC / Zurich or other approved authority if  
ground level is closer than 150mm as stated above.

SWD 7.0 - 7.1 - 7.2

DETAILS:

Standard Wall Details

TITLE:

Timber Frame Setback

DETAIL No.

**SWD 7.1**

REVISION:

**E**

DATE ISSUED:

Jan. 2021

Where packing is required to ensure the soleplate or timber frame is level the following 2 options are acceptable for packing up to 12mm.

Any packing or grouting required to be provided by main contractor and approved as below.

If packing is greater than 12mm please contact Taylor Lane **IMMEDIATELY**.

The packing should be agreed between timber frame engineer and NHBC, if certifying job.

(Longer soleplate fixings will be required in these areas of packing!)

### 1. Permanent structural packing under soleplate

Level soleplate on temporary spacers.

Grouting of the soleplates must be undertaken PRIOR to first floor walls being erected.

If first floor is fixed prior to grouting the erector shall ensure that multiple studs / posts are packed as stated to avoid deflection of the soleplate.

The grouting must be inspected prior to erection to ensure no gaps or settlement has occurred which could cause issues with frame finishes.

Types of permanent packing :

- a. Conbex (FOSROC) grout to full width & length of sole plate which must be fully cured before erection.  
Hollow packers can be used as temporary packing but not directly below studs.

#### 2. Individual packers under each stud or load point (Posts)

Packing to be approved & to be at least same size as stud or post sizes.

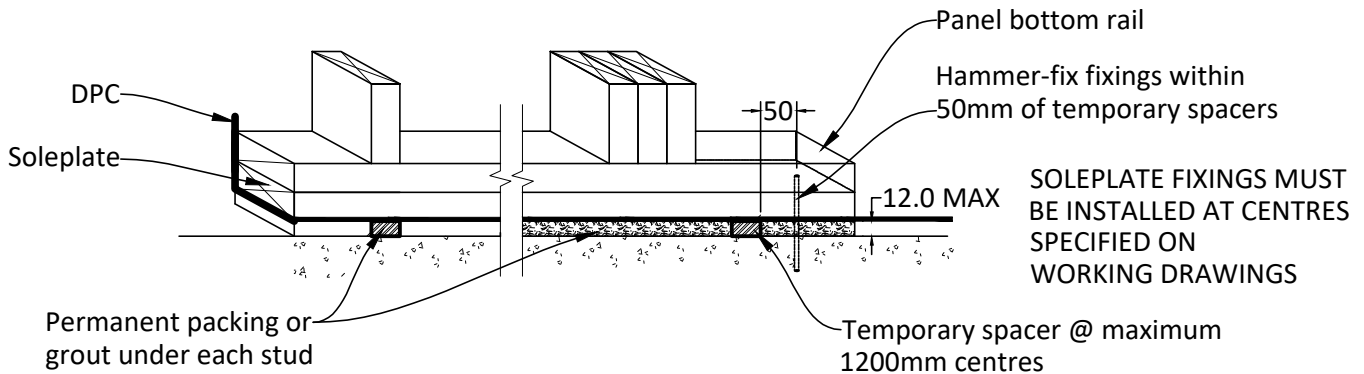
Hollow plastic packers are not acceptable for permanent packing.

No timber based materials should be used as a packing material.

Temporary packers can remain in position only if they do not degrade & are durable.

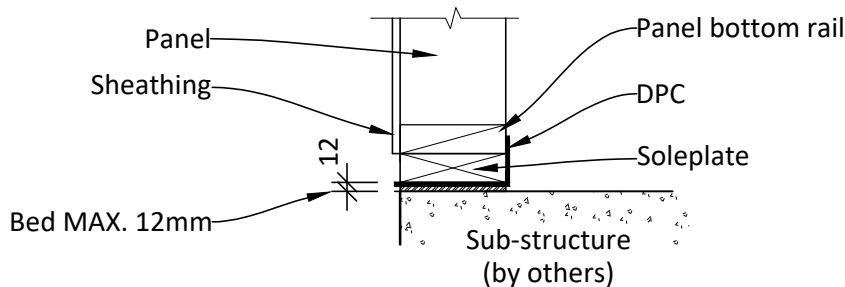
Hollow packers can be used as temporary packing but not directly below studs.

Mortar & grout are unsuitable for gaps of 5mm and less. In this instance permanent packers should be used.



### 2. Bedding of soleplate

Soleplate laid & levelled on continuous bed of mortar before erecting wall panels.



#### NOTE:

The packing/bed between the frame and the sub-structure should be continuous along the full length of the soleplates using a free flowing non shrink grout e.g. CONBEX 100 ADMIXTURE (up to 12mm gaps)

or CONBEXTRA GP GROUT (for larger gaps) by FOSROC EXPANDITE LTD

This must be agreed and approved by the foundation engineer and should be:

Not more than 12mm thick - be the FULL width of frame - support each stud  
- not deform under load - be durable

Note: Only figured dimensions to be worked from.

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#### Overhanging / Set Back, Packing & Grouting of SPs:

Any Underhanging / Overhanging, Packing & Grouting of Soleplates to be approved by Taylor Lanes T.F. Engineer / Clients Structural engineer / Certifying authority See Standard Details SWD 7.0 - 7.1 - 7.2

#### Ground Levels & Soleplates:

Soleplates (and DPC) to be 150mm above external ground level to underside of first soleplate. Ground levels at mobility threshold entrances & DPC detailing in external skin by architect / building designer to building control approval.

Please consult and obtain certifying approval from building control / NHBC / Zurich or other approved authority if ground level is closer than 150mm as stated above.

SWD 7.0 - 7.1 - 7.2

DETAILS:

Standard Wall Details

TITLE:

Packing Under Soleplates

DETAIL No.

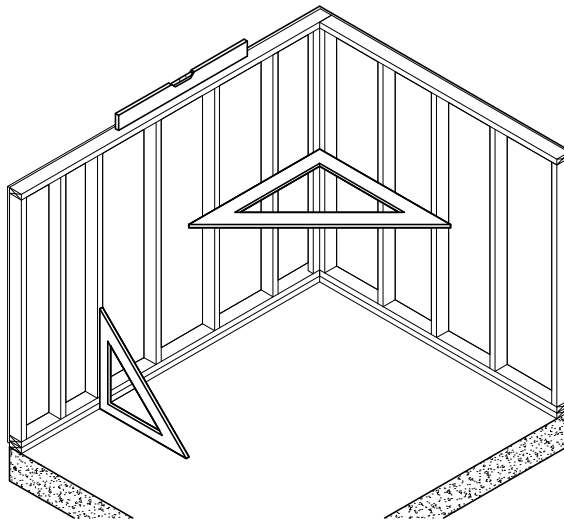
**SWD 7.2**

REVISION.

**C**

DATE ISSUED.

Jan. 2021



### Support Structure / Foundation

The sub-structure must be correctly & accurately set out to line, level and square to fit the timber frame which is to be manufactured to close tolerances using a laser level and steel tape or equivalent

#### Tolerances:

Lengths of **SUPPORT STRUCTURE** beneath the timber frame soleplate to be within  $\pm 10\text{mm}$

Diagonals should be equal. Acceptable deviation is :

Up to 10m :  $\pm 5\text{mm}$

More than 10m :  $\pm 10\text{mm}$

Walls or slab supporting soleplates are levelled to  $\pm 5\text{mm}$ , and the perimeter lined within  $\pm 10\text{mm}$

Level concrete slabs with laser level to  $\pm 5\text{mm}$  from datum avoiding exceeding 10mm variation generally.

### ALL DISCREPANCIES TO BE REPORTED DIRECTLY & IMMEDIATELY TO TAYLOR LANE

Please note that slab must finish within permitted tolerances as recommended by the NHBC and other good working practices. We have allowed in our quotation for a maximum tolerances of  $\pm 5\text{mm}$  over 10 metres, thereafter we reserve the right to charge (see Contract Specification for rates) for excessive packing up to the maximum permissible allowance. Any slab that requires more than 12mm of packing (see detail SWD 7.2) must be rectified by yourselves before we can proceed.

Any resulting delays to the program will be added on to the end of our program and any resulting costs will be passed on. All grouting/dry packing between these packers is the responsibility of others.

Note: Only figured dimensions to be worked from.

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#### Substructure Dimensional Accuracy:

Lengths of support structure beneath the timber frame sole plate to be within  $\pm 10\text{mm}$  Diagonals should be equal.

Acceptable deviation is :

Up to 10metres :  $\pm 5\text{mm}$

More than 10metres :  $\pm 10\text{mm}$

Walls or slab supporting sole plates are levelled to  $\pm 5\text{mm}$ , and the perimeter lined within  $\pm 10\text{mm}$

Any discrepancies to be reported to directly and immediately to Taylor Lane

SWD 8.0

DETAILS:

Standard Wall Details

TITLE:

Setting Out Sub-Structure  
Accurately

DETAIL No.

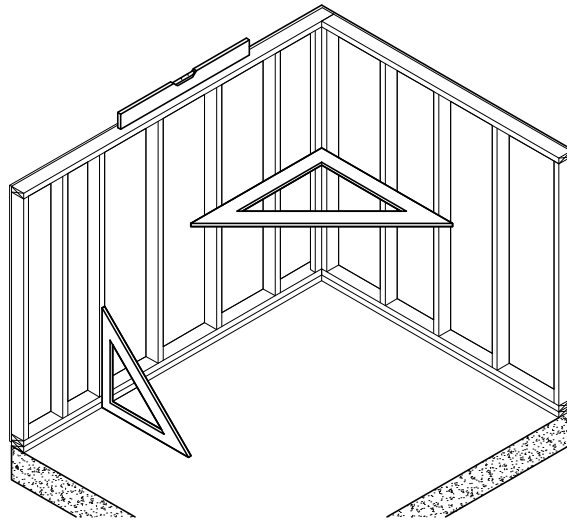
**SWD 8.0**

REVISION.

**C**

DATE ISSUED.

Jan. 2021



### Soleplates

The soleplates must be correctly & accurately set out to line, level and square to fit the timber frame which is to be manufactured to close tolerances using a laser level and steel tape or equivalent

Soleplates must be level within  $\pm 5\text{mm}$

Tolerances:

Soleplates should be set out within  $\pm 10\text{mm}$  in length and in line within  $\pm 5\text{mm}$ , defined by the timber frame drawings.

Diagonals should be equal. Acceptable deviation is:

Up to 10m:  $\pm 5\text{mm}$

More than 10m:  $\pm 10\text{mm}$

See SWD 7.0 & 7.1 Details for maximum overhang & set back dimensions in conjunction with the above setting out criteria

### ALL DISCREPANCIES TO BE REPORTED DIRECTLY & IMMEDIATELY TO TAYLOR LANE

Please note that slab must finish within permitted tolerances as recommended by the NHBC and other good working practices. We have allowed in our quotation for a maximum tolerances of  $\pm 5\text{mm}$  over 10 metres, thereafter we reserve the right to charge (see Contract Specification for rates) for excessive packing up to the maximum permissible allowance. Any slab that requires more than 12mm of packing (see detail SWD 7.2) must be rectified by yourselves before we can proceed.

Any resulting delays to the program will be added on to the end of our program and any resulting costs will be passed on. All grouting/dry packing between these packers is the responsibility of others.

Note: Only figured dimensions to be worked from.

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#### Soleplate Dimensional Accuracy:

SOLE PLATES MUST BE LEVEL WITHIN  $\pm 5\text{mm}$

#### Tolerances:

Sole plates should be set out within  $\pm 10\text{mm}$  in length and in line within  $\pm 5\text{mm}$ , defined by the layout drawing. Diagonals should be equal.

#### Acceptable deviation is:

Up to 10metres :  $\pm 5\text{mm}$   
More than 10metres :  $\pm 10\text{mm}$

Any discrepancies to be reported to directly and immediately to Taylor Lane

SWD 8.1

DETAILS:

Standard Wall Details

TITLE:

Setting Out Soleplates  
Accurately

DETAIL No.

**SWD 8.1**

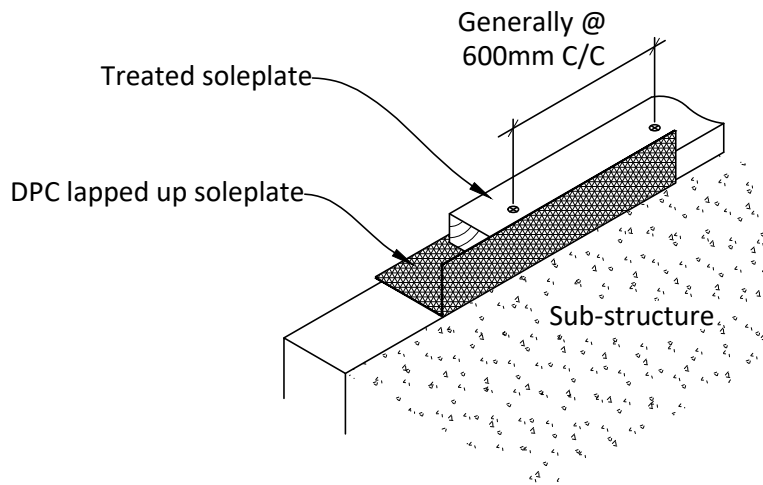
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Note: Fixing dependant on substructure make up.



### SOLEPLATE FIXINGS MUST BE INSTALLED AT CENTRES SPECIFIED ON WORKING DRAWINGS

`Hammer Fix` fixings: Generally @ 600mm centres, fixings centres specified by engineer (see ref: SWD 6.2)

If fixing to solid concrete blocks they should be to BS EN 771 with a crushing strength of 7.3 N/mm<sup>2</sup> should be used, positioned to receive fixings.

Shot fired:  
Ø4.0 x 97 mm long Hilti NK 97 D12 or equal shot fired nails of suitable length at fixings centres specified by engineer. SEE WORKING DRAWINGS FOR CENTRES

(82mm long nails will suit a 38mm soleplate & max 17mm pack /grout) to masonry substructure walls/foundations for first soleplate.

(Min. 25mm embedment of nail into substructure)  
shot fire at sides of full height openings

If packing (& soleplate thickness) is greater than above dimensions, please contact Taylor Lane immediately.

Shotfiring: care should be taken not to spall edges of masonry or slabs when shotfiring into masonry.

Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall Details

TITLE:

Fixing of Single Soleplates  
Load Bearing Walls

DETAIL No.

**SWD 9.0**

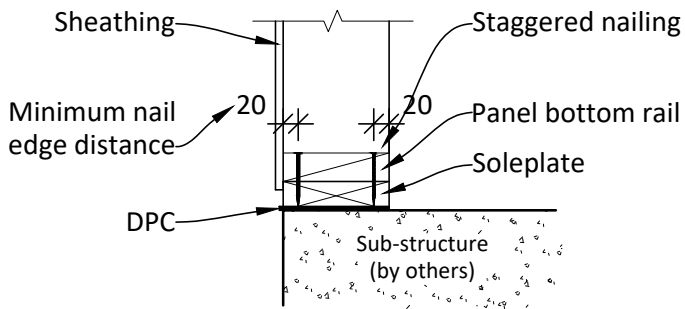
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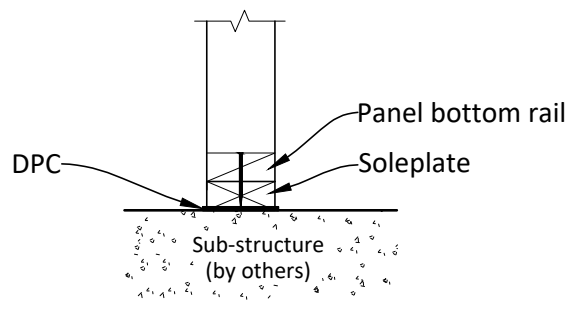
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External panel

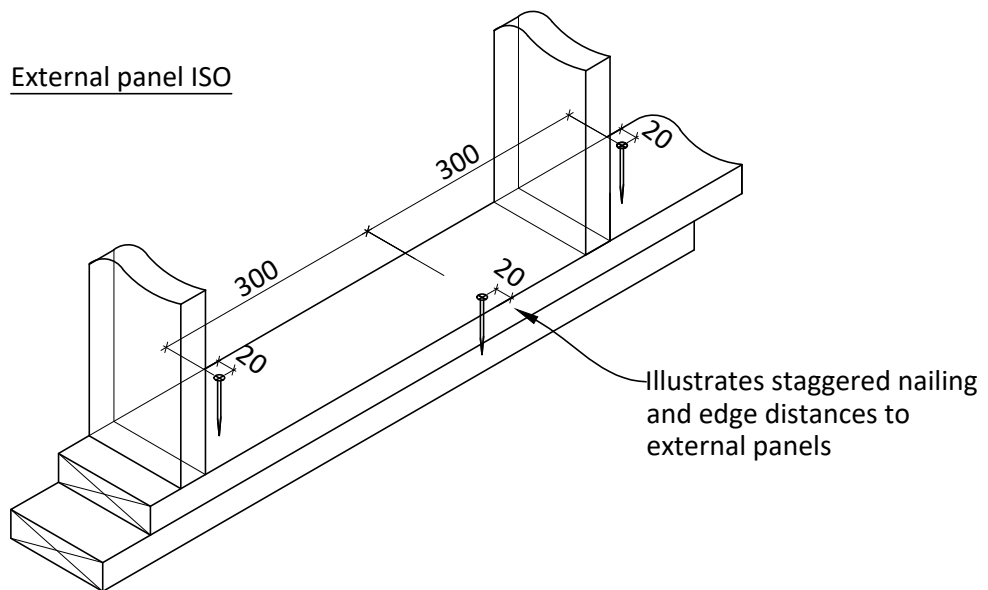


Internal panel



Ensure nails **DO NOT** puncture the DPC.  
2no. nails to each side of door openings

External panel ISO



NAILING:

Ø3.1 x 75mm @ 300mm staggered centres.  
'Loose nails': Galv. round wire nails  
'Gun Nails': Galv. annular ring shank nail  
length based on 38mm thick plates.

**Standard nailing shown on detail above. Use job specific nailing schedule / drawings for each job**

Nail diameter should not be less than 3.1mm diameter at the centres stated.  
An increase in nail diameter is allowable, an increase in nail centre spacing is NOT.

Note: Only figured dimensions to be worked from.

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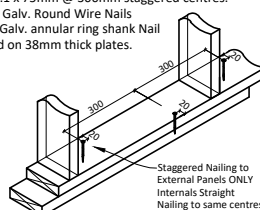
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NAILING: Ø3.1 x 75mm @ 300mm staggered centres.  
'Loose nails': Galv. Round Wire Nails  
'Gun Nails': Galv. annular ring shank Nail  
Length based on 38mm thick plates.



**Fixing Panels to Soleplates**

SWD 10.0

DETAILS:

**Standard Wall Details**

TITLE:

**Fixing Panels to Soleplates  
Uninsulated Slab**

DETAIL No.

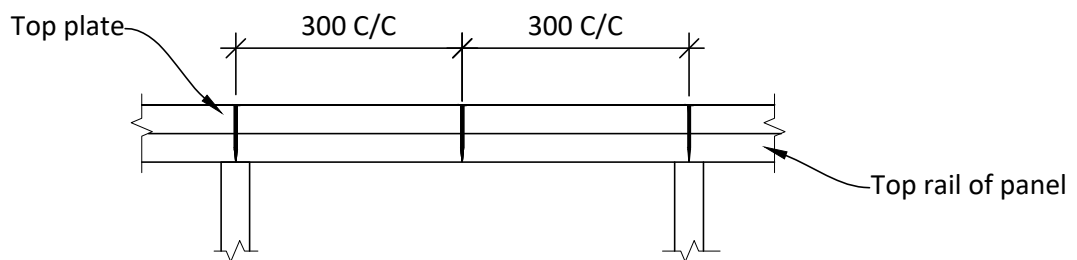
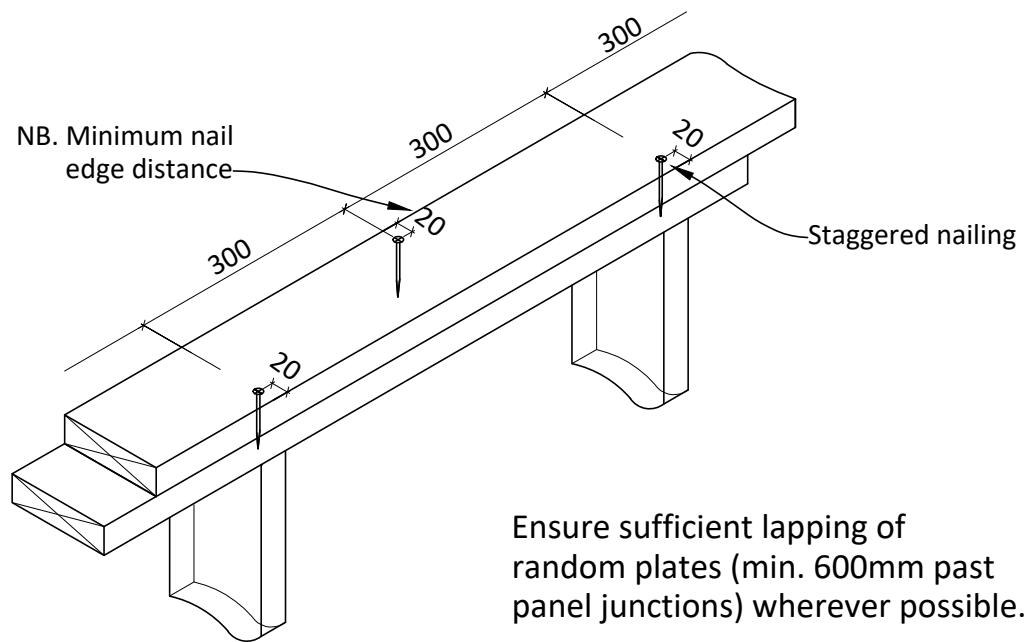
**SWD 10.0**

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**NAILING:**  
 $\varnothing 3.1 \times 75\text{mm}$  @ 300mm staggered centres.  
 'Loose nails': Galv. round wire nails  
 'Gun Nails': Galv. annular ring shank nail  
 length based on 38mm thick plates.

**Standard nailing shown on detail above. Use job specific nailing schedule / drawings for each job**

Nail diameter should not be less than 3.1mm diameter at the centres stated.  
 An increase in nail diameter is allowable, an increase in nail centre spacing is NOT.

Note: Only figured dimensions to be worked from.

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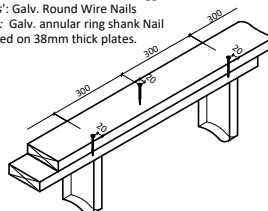
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NAILING:  $\varnothing 3.1 \times 75\text{mm}$  @ 300mm staggered centres.  
 'Loose nails': Galv. Round Wire Nails  
 'Gun Nails': Galv. annular ring shank Nail  
 Length based on 38mm thick plates.



Fixing Top Plates to Panels

SWD 10.1

DETAILS:

Standard Wall Details

TITLE:

Fixing Top Plates to Panels

DETAIL No.

**SWD 10.1**

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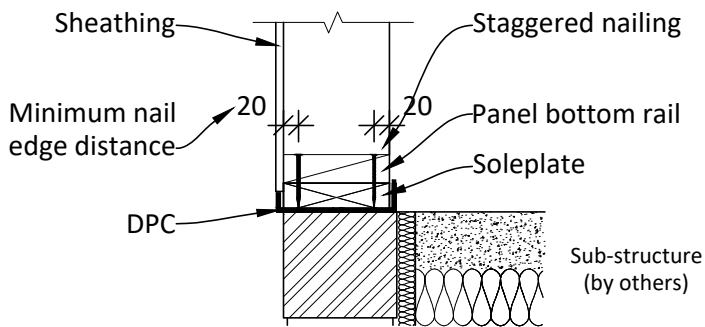
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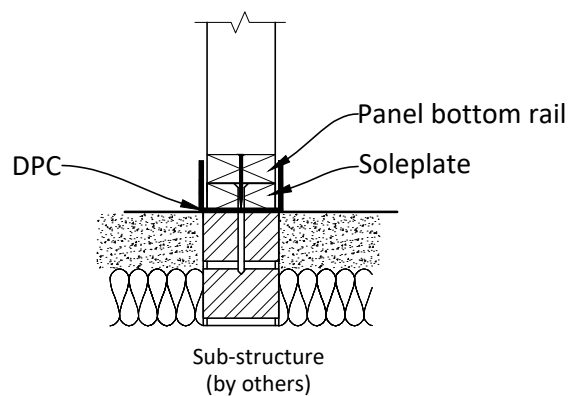
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External panel

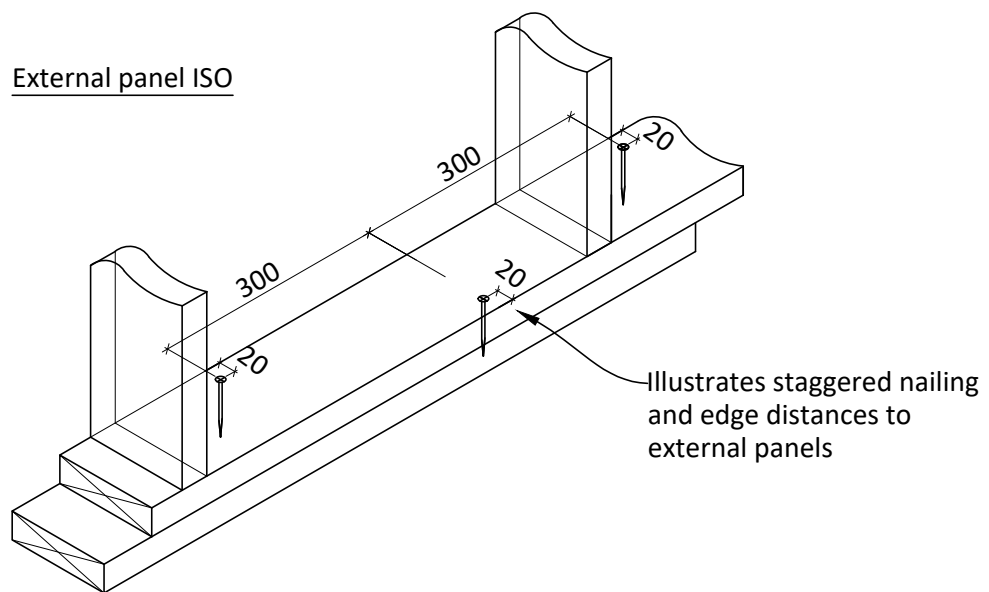


Internal panel



Ensure nails **DO NOT** puncture the DPC.  
2no. nails to each side of door openings

External panel ISO



NAILING:

Ø3.1 x 75mm @ 300mm staggered centres.  
'Loose nails': Galv. round wire nails  
'Gun Nails': Galv. annular ring shank nail  
length based on 38mm thick plates.

**Standard nailing shown on detail above. Use job specific nailing schedule / drawings for each job**

Nail diameter should not be less than 3.1mm diameter at the centres stated.  
An increase in nail diameter is allowable, an increase in nail centre spacing is NOT.

Note: Only figured dimensions to be worked from.

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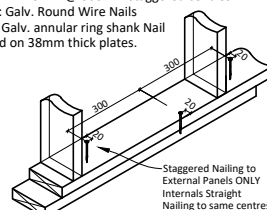
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NAILING: Ø3.1 x 75mm @ 300mm staggered centres.  
'Loose nails': Galv. Round Wire Nails  
'Gun Nails': Galv. annular ring shank Nail  
Length based on 38mm thick plates.



Fixing Panels to Soleplates

DETAILS:

Standard Wall Details

TITLE:

Fixing Panels to Soleplates  
Insulated Slab

DETAIL No.

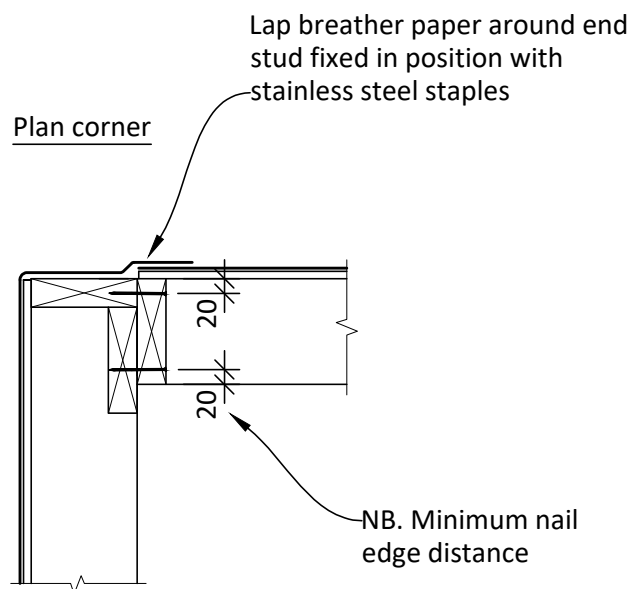
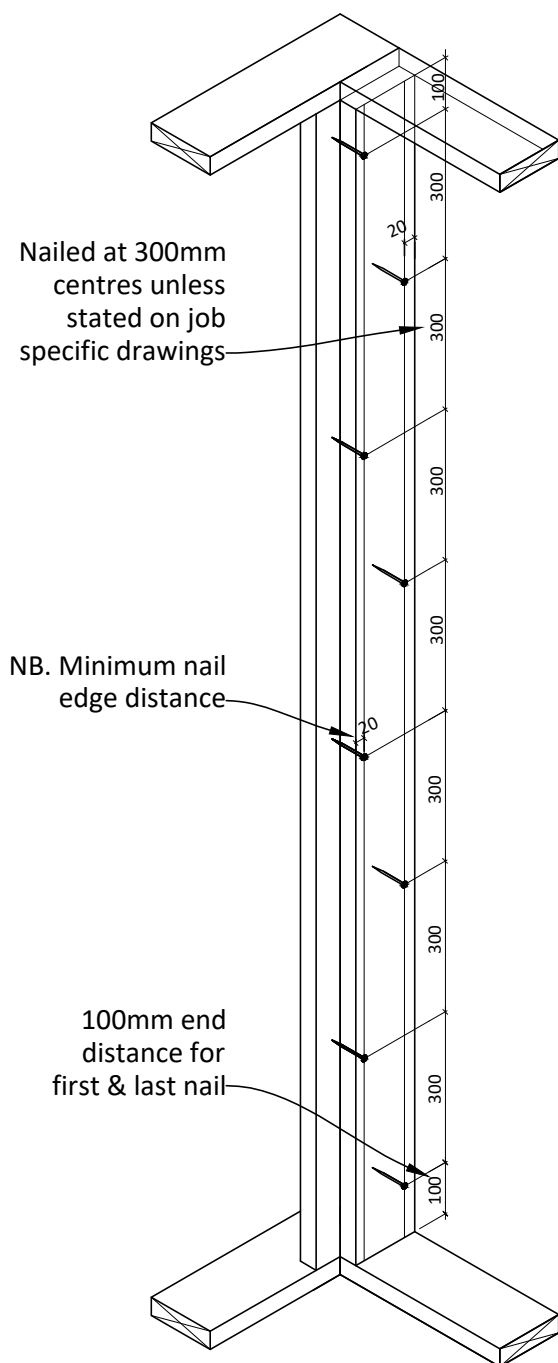
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#### NAILING:

Ø3.1 x 75mm @ 300mm MAXIMUM staggered centres.  
(Typical 2376mm height panel shown)  
'Loose nails': Galv. round wire nails  
'Gun Nails': Galv. annular ring shank nail  
length based on 38mm thick plates.

**Standard nailing shown on detail above. Use job specific nailing schedule / drawings for each job**

Nail diameter should not be less than 3.1mm diameter at the centres stated.  
An increase in nail diameter is allowable, an increase in nail centre spacing is NOT.

Note: Only figured dimensions to be worked from.

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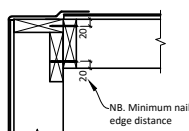
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NAILING: Ø3.1 x 75mm @ 300mm staggered centres.  
'Loose nails': Galv. Round Wire Nails  
'Gun Nails': Galv. annular ring shank Nail  
Length based on 38mm thick plates.

100mm End Distance  
for First & Last Nail  
Top & Bottom of Panel



External Panel Corner Junction

SWD 11.0

DETAILS:

Standard Wall Details

TITLE:

External Panel Corner Junction  
Uninsulated

DETAIL No.

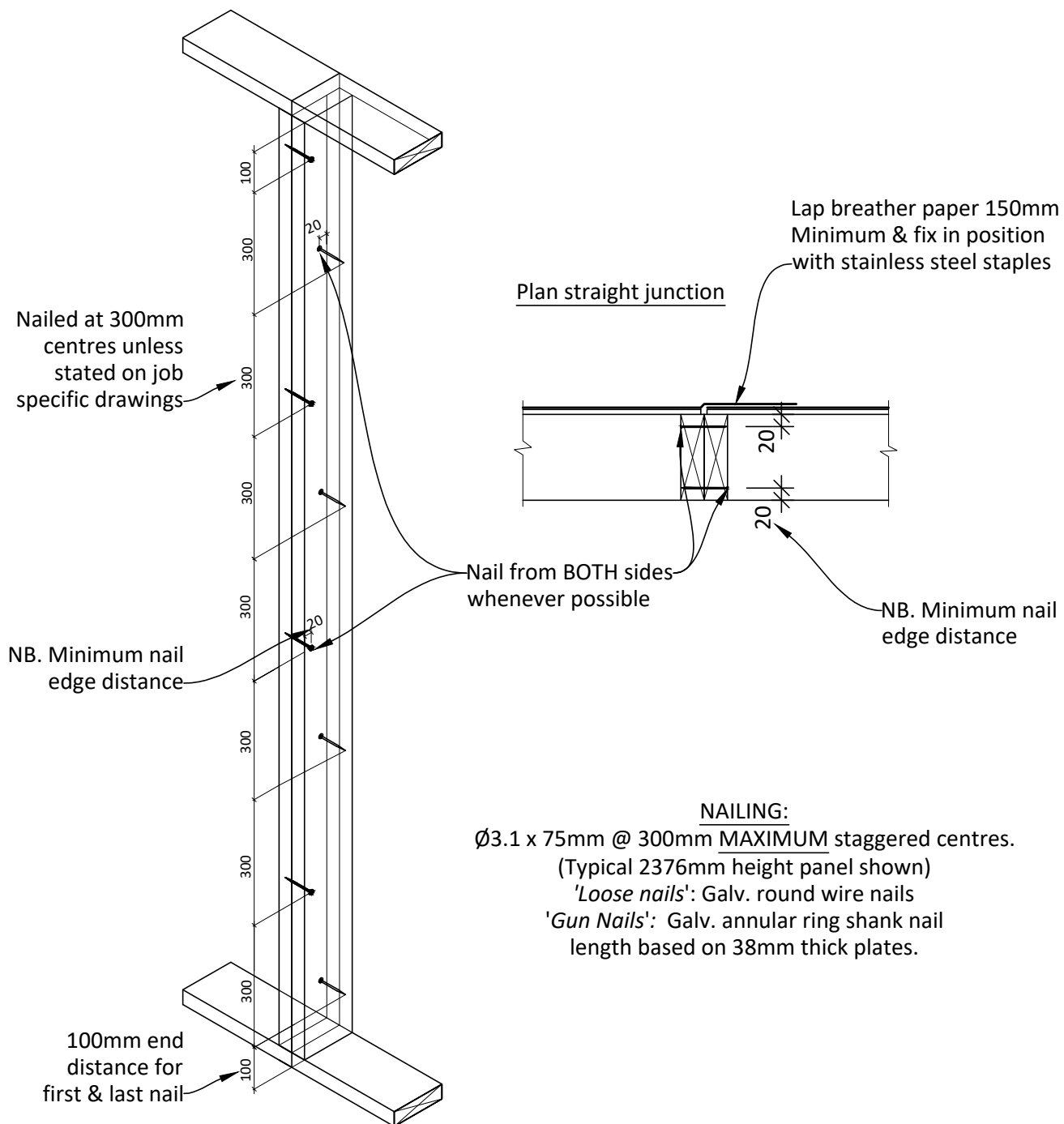
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**Standard nailing shown on detail above. Use job specific nailing schedule / drawings for each job**

Nail diameter should not be less than 3.1mm diameter at the centres stated.  
 An increase in nail diameter is allowable, an increase in nail centre spacing is NOT.

Note: Only figured dimensions to be worked from.

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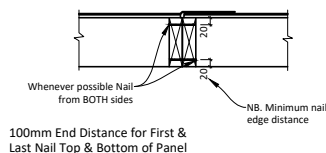
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NAILING: Ø3.1 x 75mm @ 300mm staggered centres.  
 'Loose nails': Galv. Round Wire Nails  
 'Gun Nails': Galv. annular ring shank Nail  
 Length based on 38mm thick plates.



**External Panel to Panel Junction**

SWD 11.1

DETAILS:

**Standard Wall Details**

TITLE:

**External Panel to Panel  
 Junction Uninsulated**

DETAIL No.

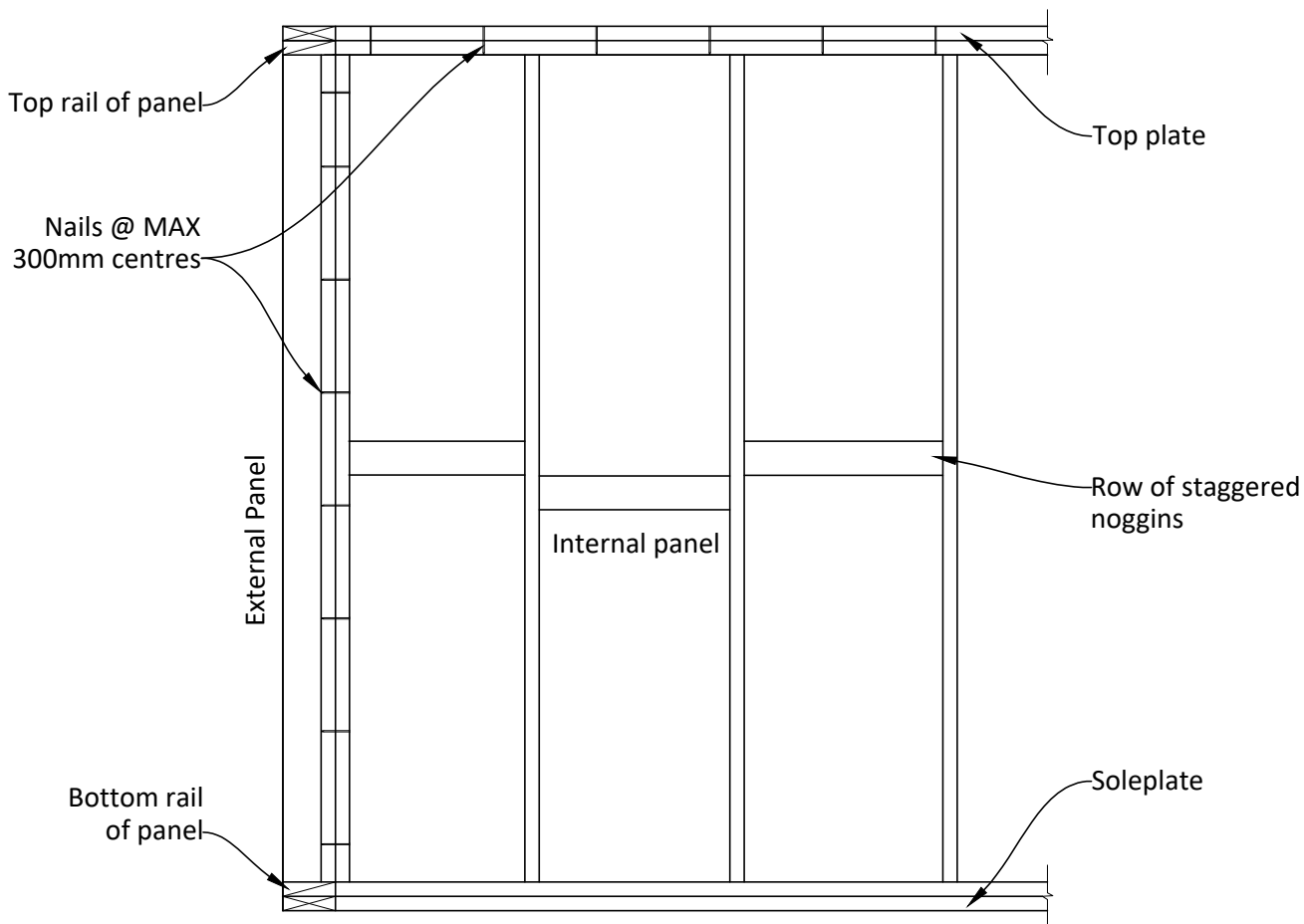
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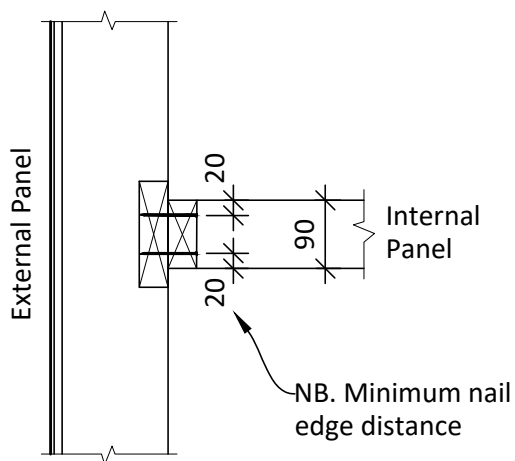
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**Plan T - junction**



**NAILING:**

Ø3.1 x 75mm @ 300mm MAXIMUM staggered centres.

(Typical 2376mm height panel shown)

'Loose nails': Galv. round wire nails

'Gun Nails': Galv. annular ring shank nail  
length based on 38mm thick plates.

**NOTE:**

Ensure that all site nailing is carried out as specified and that all bolts are fully tightened.  
Ensure that all blockings, internal framing and noggin are correctly located and fixed flush.

**Standard nailing shown on detail above. Use job specific nailing schedule / drawings for each job**

Nail diameter should not be less than 3.1mm diameter at the centres stated.  
An increase in nail diameter is allowable, an increase in nail centre spacing is NOT.

Note: Only figured dimensions to be worked from.

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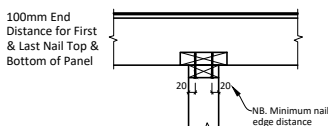
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NAILING: Ø3.1 x 75mm @ 300mm staggered centres.  
'Loose nails': Galv. Round Wire Nails  
'Gun Nails': Galv. annular ring shank Nail  
Length based on 38mm thick plates.



**Basic Panel Construction**

DETAILS:

**Standard Wall Details**

TITLE:

**Basic Internal Panel Construction**

DETAIL No.

**SWD 11.2**

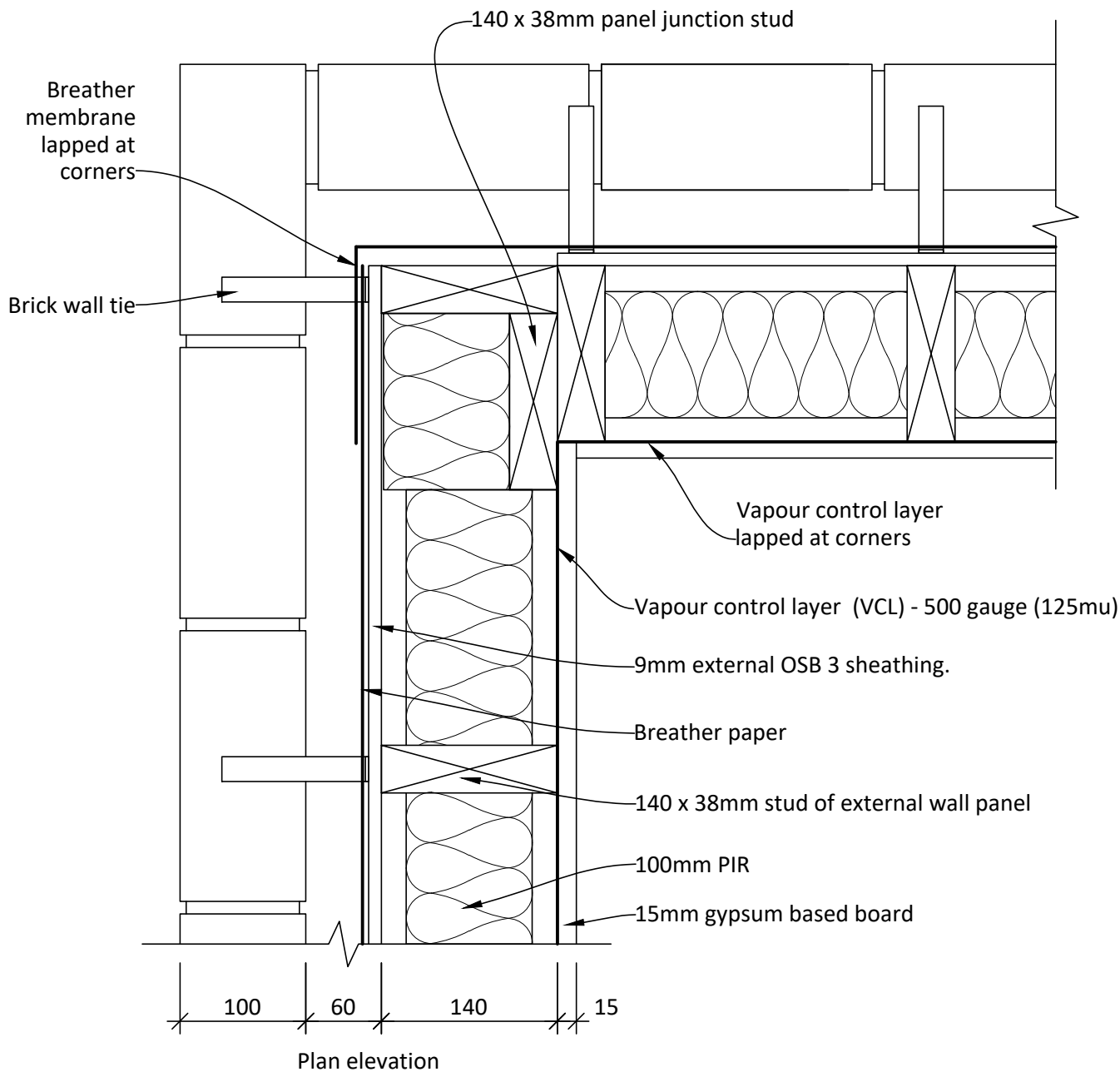
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Minimum periods of fire resistance: Houses up to 3 storeys - 30 minutes: Houses above 3 storeys - 60 minutes



Plasterboard to be fixed in full accordance with manufacturers recommendations

Note: Only figured dimensions to be worked from.

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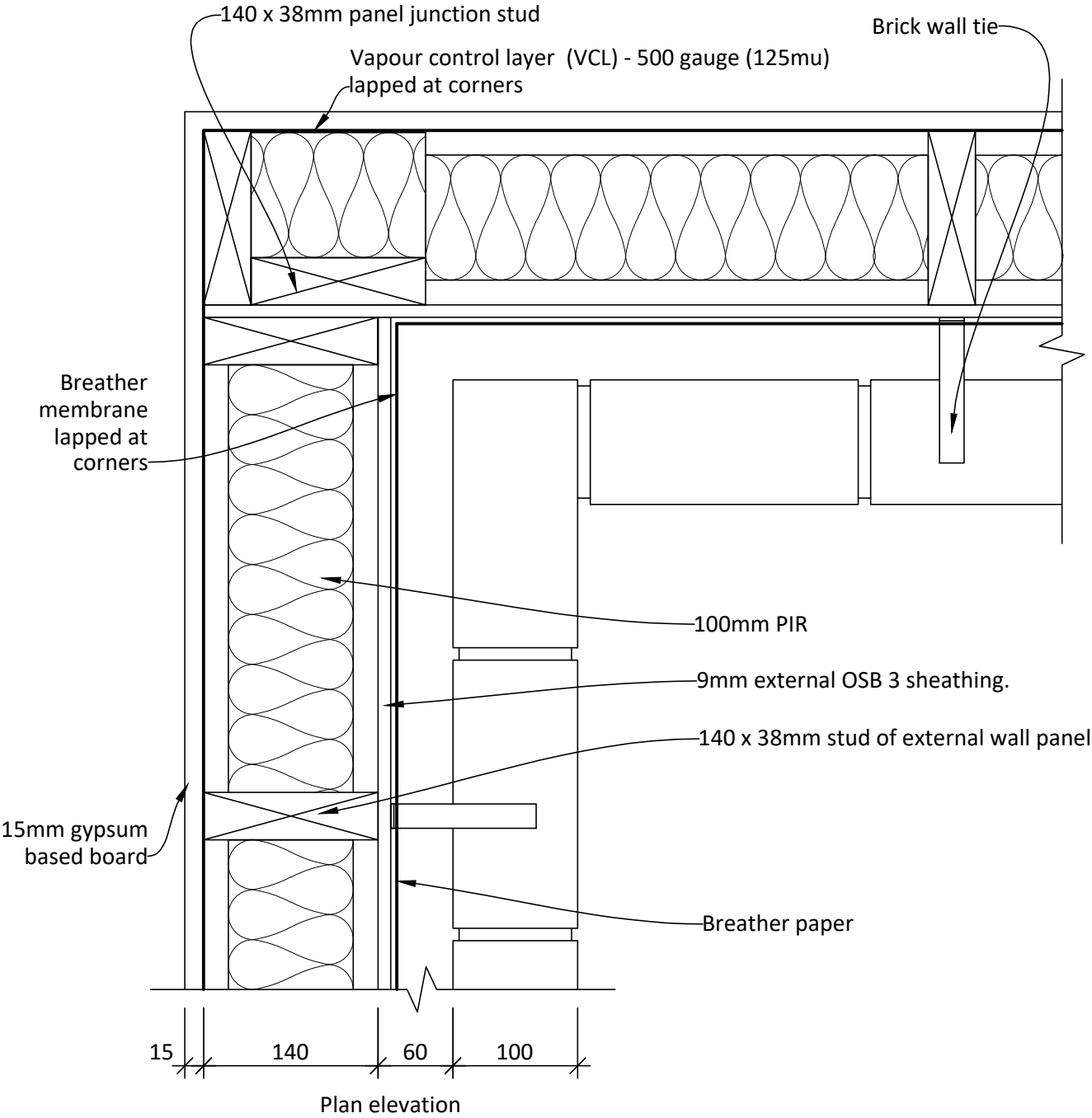
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DETAILS:			Standard Wall Details		
TITLE:			Houses - External Brickwork Corner		
DETAIL No.		REVISION.		DATE ISSUED.	
SWD 11.3H		C		Jan. 2021	

Minimum periods of fire resistance: Houses up to 3 storeys - 30 minutes: Houses above 3 storeys - 60 minutes



Plasterboard to be fixed in full accordance with manufacturers recommendations

Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall details

TITLE:

Houses - Internal Brickwork Corner

DETAIL No.

**SWD 11.4H**

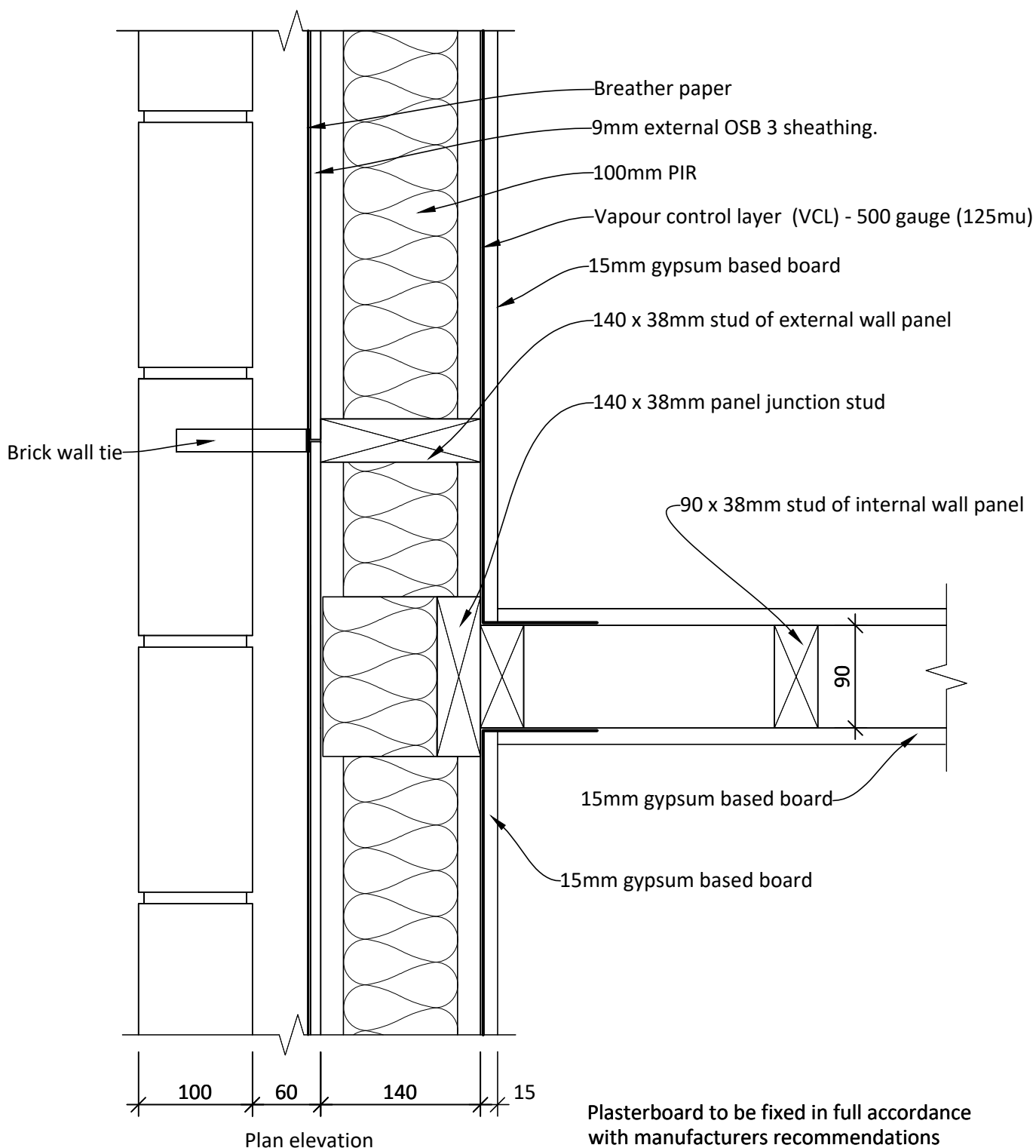
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Minimum periods of fire resistance: Houses up to 3 storeys - 30 minutes: Houses above 3 storeys - 60 minutes



Note: Only figured dimensions to be worked from.



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DETAILS:

Standard Wall Deetails

TITLE:

Houses -  
External / Internal Wall Junction

DETAIL No.

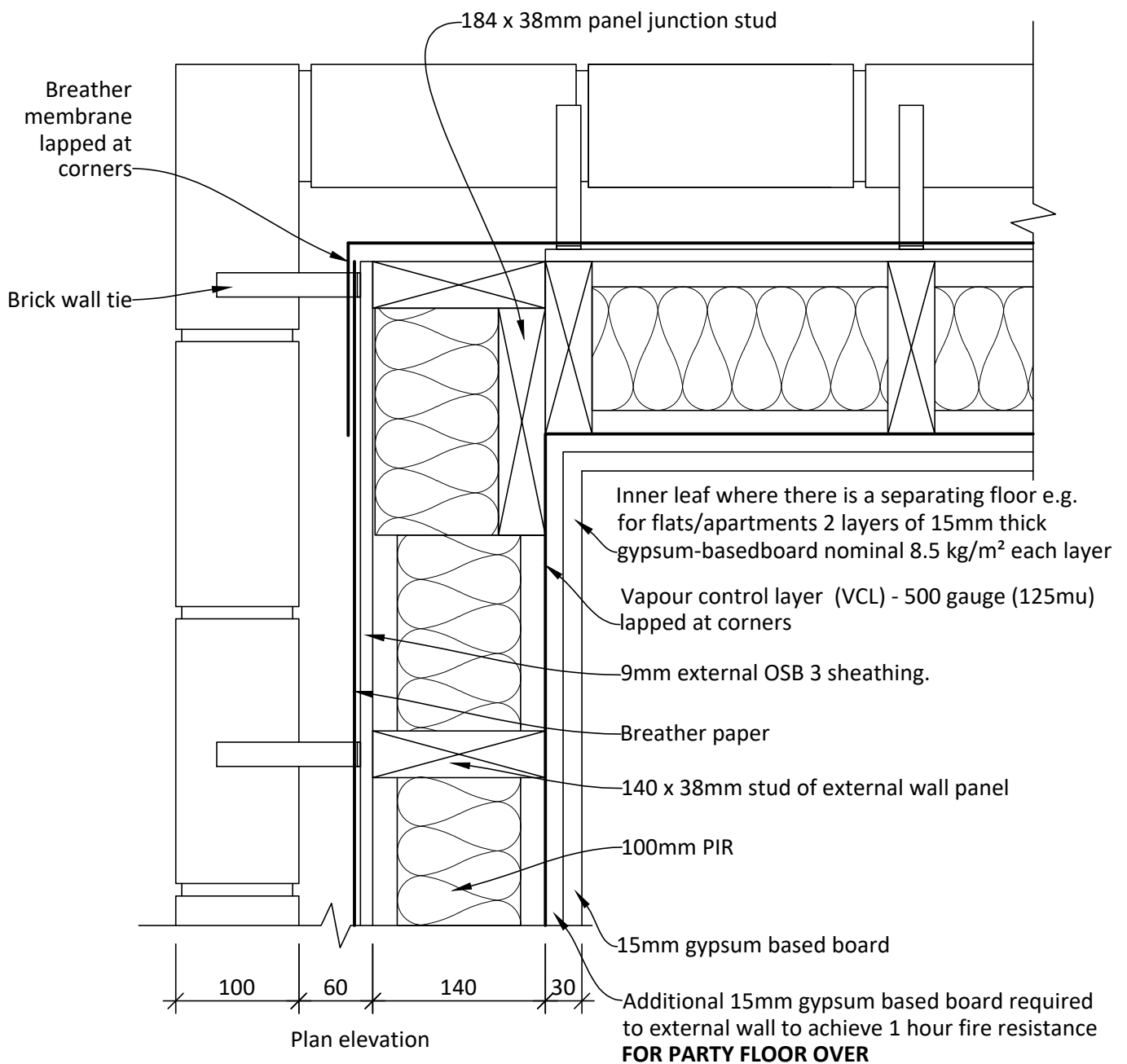
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Plasterboard to be fixed in full accordance with manufacturers recommendations

Note: Only figured dimensions to be worked from.

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DETAILS:

**Standard Wall Details**

TITLE:

**Flats - External Brickwork Corner**

DETAIL No.

**SWD 11.7F**

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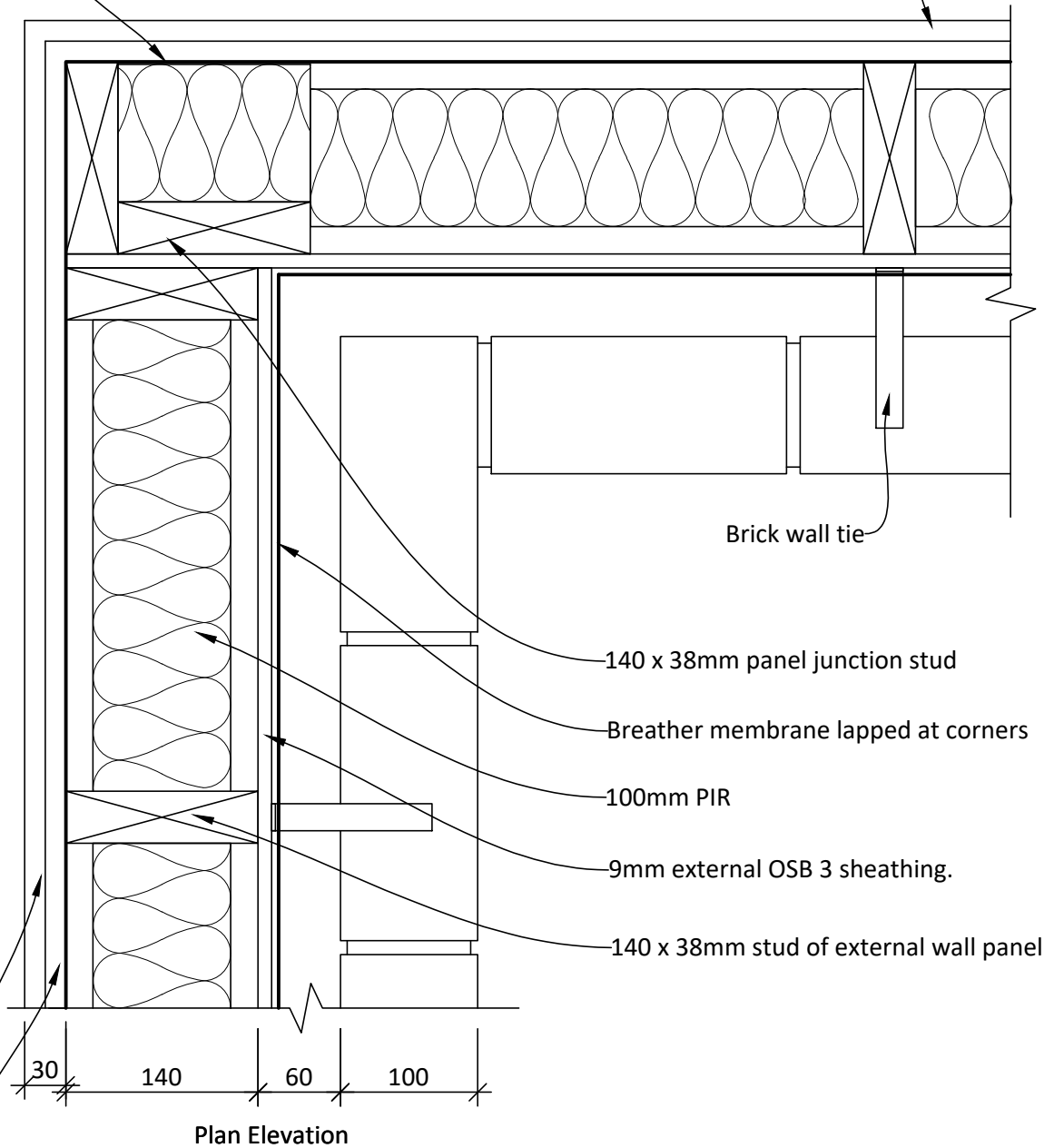
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Inner leaf where there is a separating floor e.g.  
for flats/apartments 2 layers of 15mm thick  
gypsum-based board nominal 8.5 kg/m<sup>2</sup> each layer

Vapour control layer (VCL) - 500 gauge (125mu)  
lapped at corners (BY OTHERS)



Additional 15mm gypsum based board required  
to external wall to achieve 1 hour fire resistance  
**FOR PARTY FLOOR OVER**

15mm gypsum based board

Plasterboard to be fixed in full accordance  
with manufacturers recommendations

Note: Only figured dimensions to be worked from.

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DETAILS:

**Standard Wall Details**

TITLE:

**Flats - Internal Brickwork Corner**

DETAIL No.

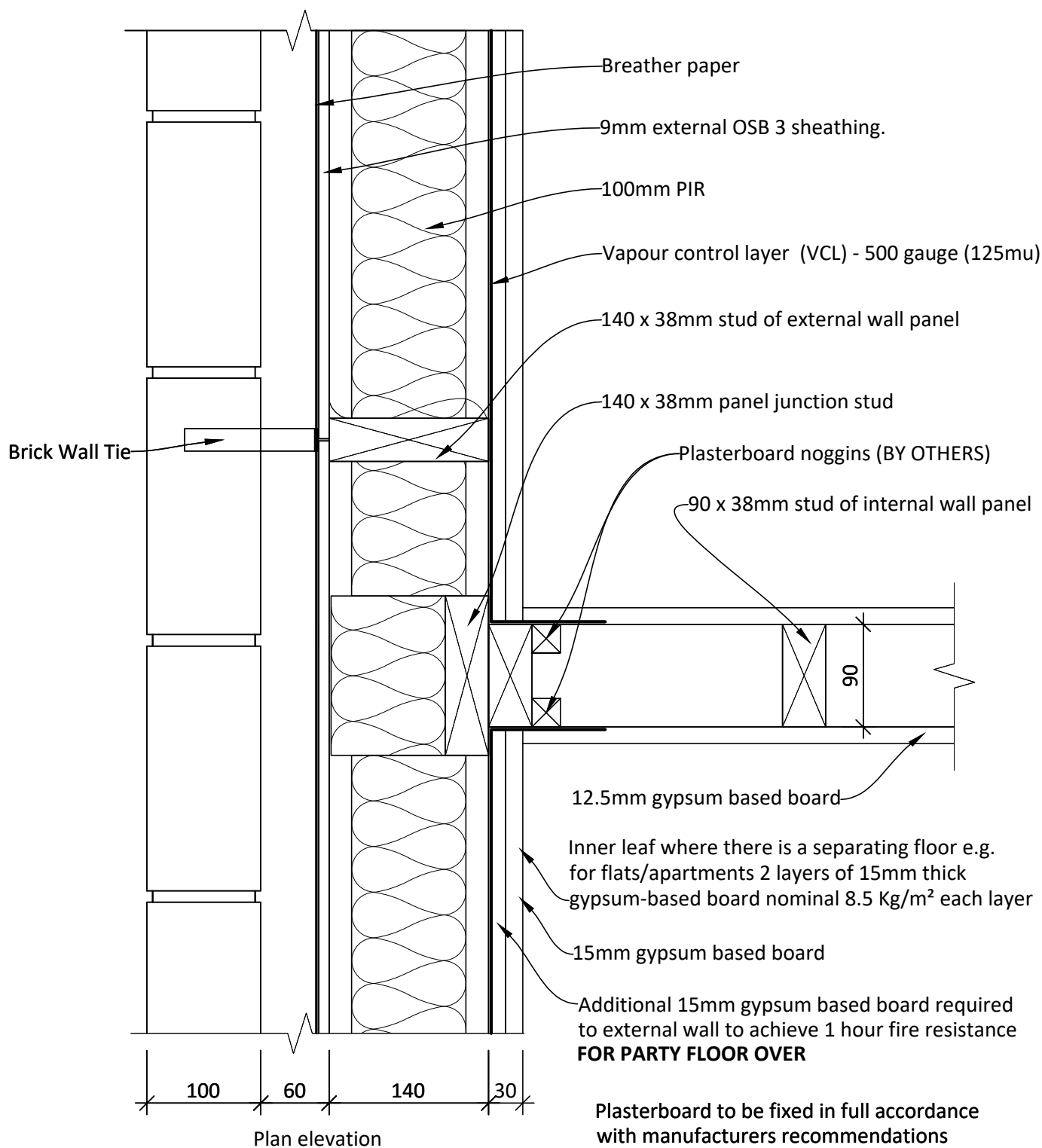
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DETAILS:

Standard Wall Details

TITLE:

Flats -  
External / Internal Wall Junction

DETAIL No.

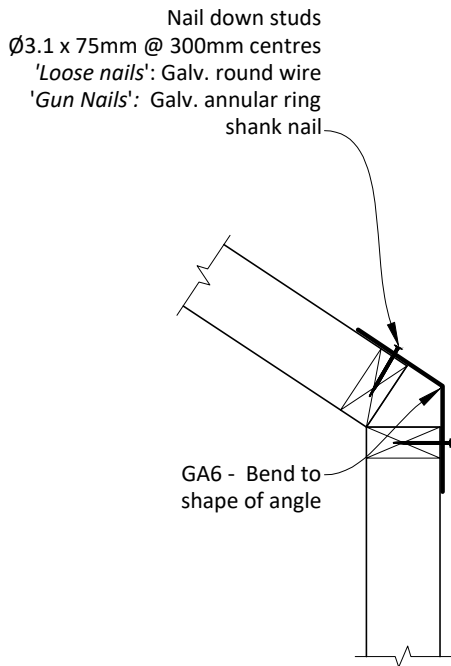
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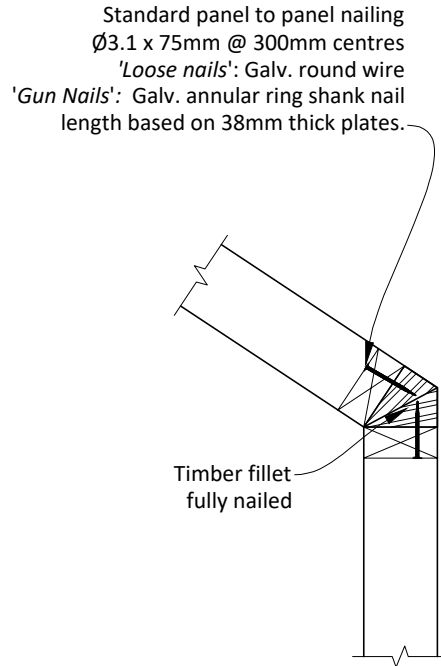
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**GA6 Steel Fillet Detail  
NON-LOAD BEARING**



**Timber Fillet Detail  
LOAD BEARING**

In some circumstances BOTH the timber fillet and GA6 may be used refer to working drawing for details

Note: Only figured dimensions to be worked from.

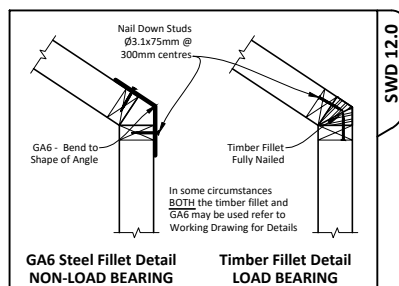
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DETAILS:

**Standard Wall Details**

TITLE:

**Angled Panel Connections  
SW Fillet & GA6**

DETAIL No.

**SWD 12.0**

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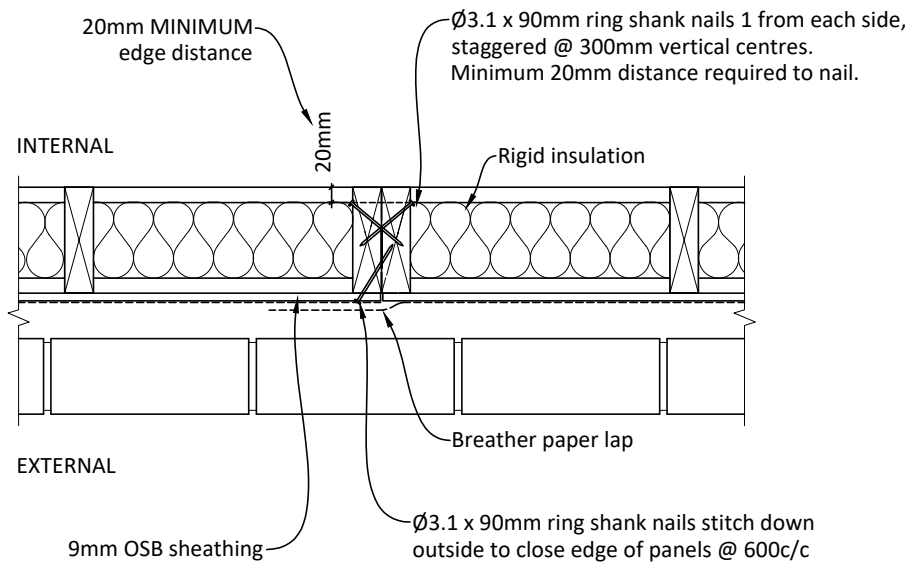
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For FACTORY insulated panels fitted with polyurethane

Nails to be skewed from both sides of the panel end studs as shown below.  
The minimum 20mm edge distance must be adhered to.



Also run nails up the outside of the panel to stitch together joint.  
Nail through the stud of the panel without the breather paper lap.

Note: Only figured dimensions to be worked from.

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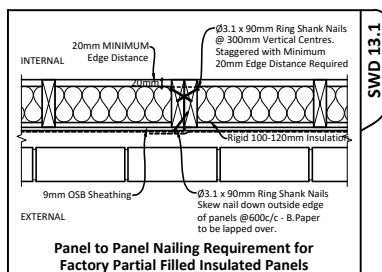
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DETAILS:

**Standard Wall Details**

TITLE:

**Panel to Panel Nailing Requirement  
for Factory Partially Filled Insulated  
Panels**

DETAIL No.

**SWD 13.1**

REVISION.

**D**

DATE ISSUED.

**Jan. 2021**

FOR COMPLIANCE WITH BUILDING REGULATIONS  
AND NHBC STANDARDS: UNDER NO CIRCUMSTANCES  
SHOULD THE FACE OF A SINGLE STUD BE NOTCHED

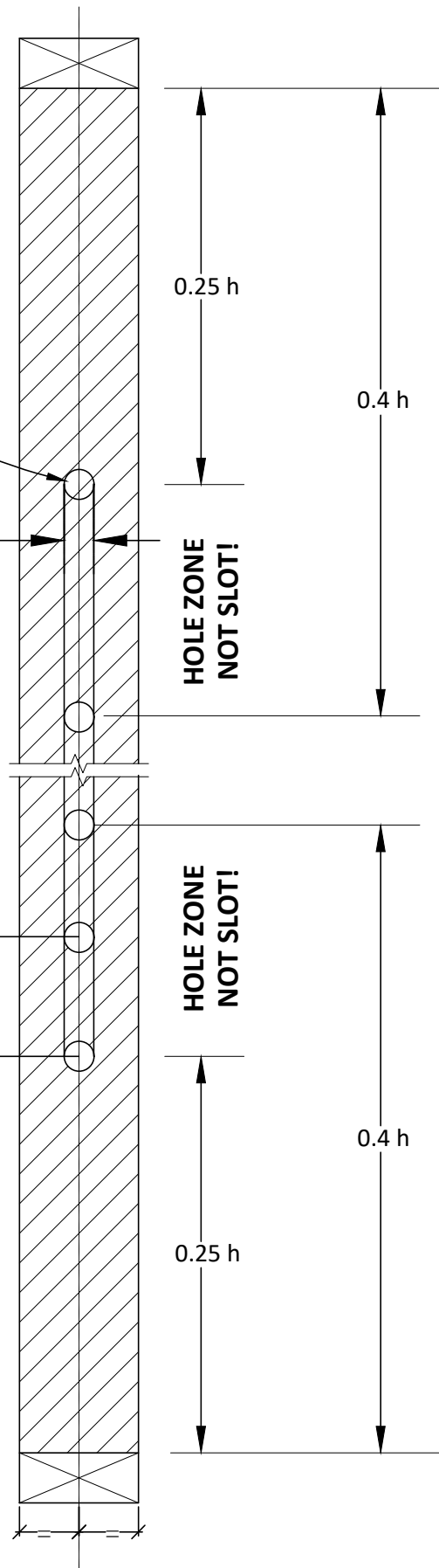
90mm studs Max hole  $\varnothing 22.5\text{mm}$   
140mm studs Max hole  $\varnothing 35.0\text{mm}$

0.25 Stud Depth

Drillings on centre-line ONLY.  
Hole diameters NOT greater than  
0.25 stud width and hole centres NOT  
closer than  $4d$  ( $d$ =hole diameter)

**SLOTS ARE NOT PERMITTED**

NOTE: THESE PROVISIONS DO NOT APPLY TO  
TRUSSES (ATTIC OR OTHER TYPE) WHICH  
SHOULD NOT BE ALTERED ON SITE WITHOUT  
FIRST CONTACTING TAYLOR LANE



Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall Details

TITLE:

Notching & Drilling Studs  
ELECTRICAL

DETAIL No.

**SWD 14.0**

REVISION.

**D**

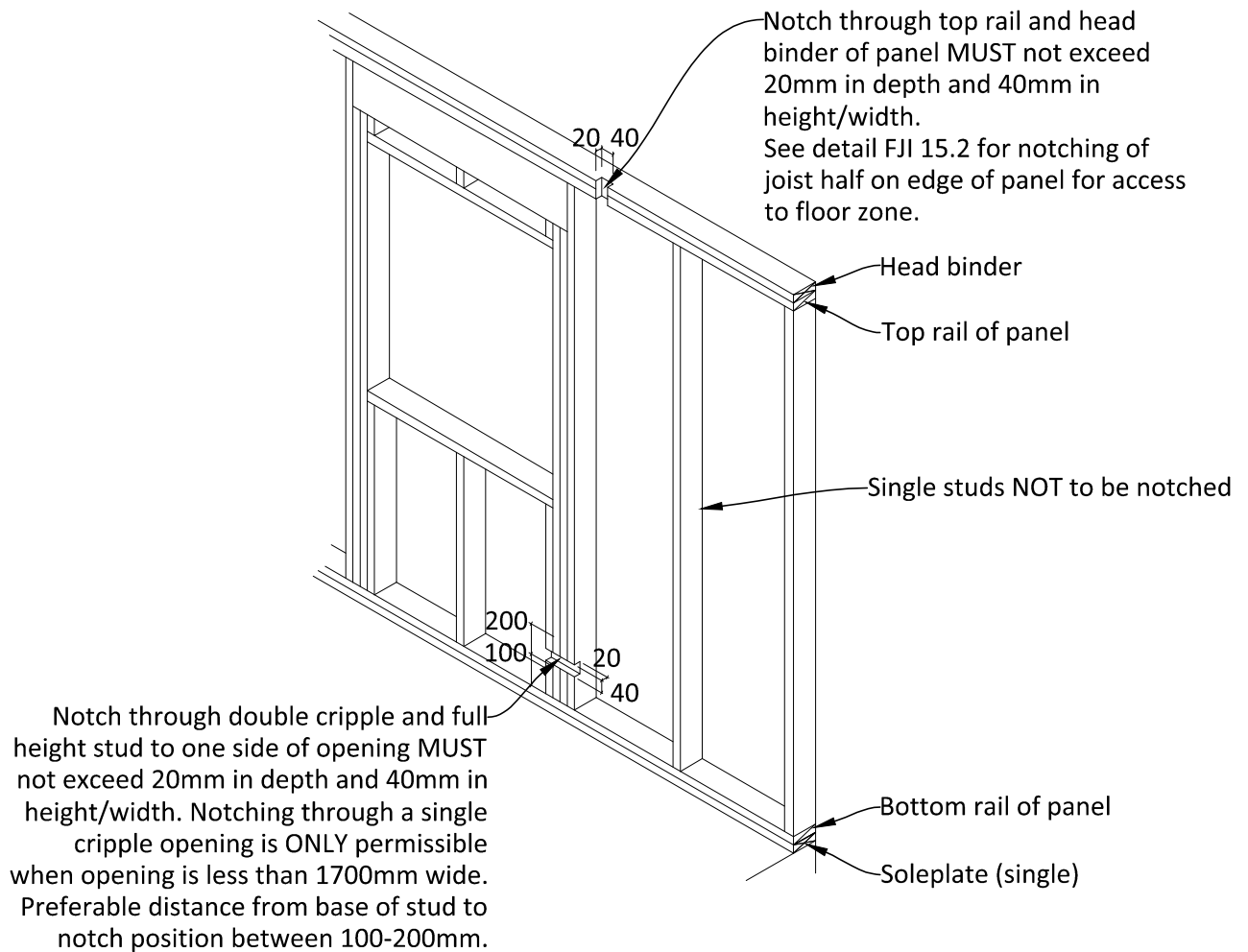
DATE ISSUED.

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**Notching detail for factory insulated 140mm panels. If panel is not insulated refer to detail SWD 14.0 for preferable notching and drilling provision.**

*\*Insulation not shown for clarity\**

**NOTE: THESE PROVISIONS ARE ONLY PERMISSIBLE TO THE STUDS/CRIPPLES TO ONE SIDE OF AN OPENING TO ALLOW FEED TO RADIATOR POSITION OR ELECTRICAL SOCKET.**



**Please consult and obtain certifying approval from Building Control / NHBC / Zurich or other relevant approved authority before undertaking notching of studs.**

**NOTE: THESE PROVISIONS DO NOT APPLY IF OPENING HAS GLULAM OR STEEL LINTEL WHICH SHOULD NOT BE ALTERED WITHOUT FIRST CONTACTING TAYLOR LANE FOR GUIDANCE.**

Note: Only figured dimensions to be worked from.

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DETAILS:

**Standard Wall Details**

TITLE:

**Notching 140mm Studs  
PLUMBING/ELECTRICAL**

DETAIL No.

**SWD 14.1**

REVISION.

**B**

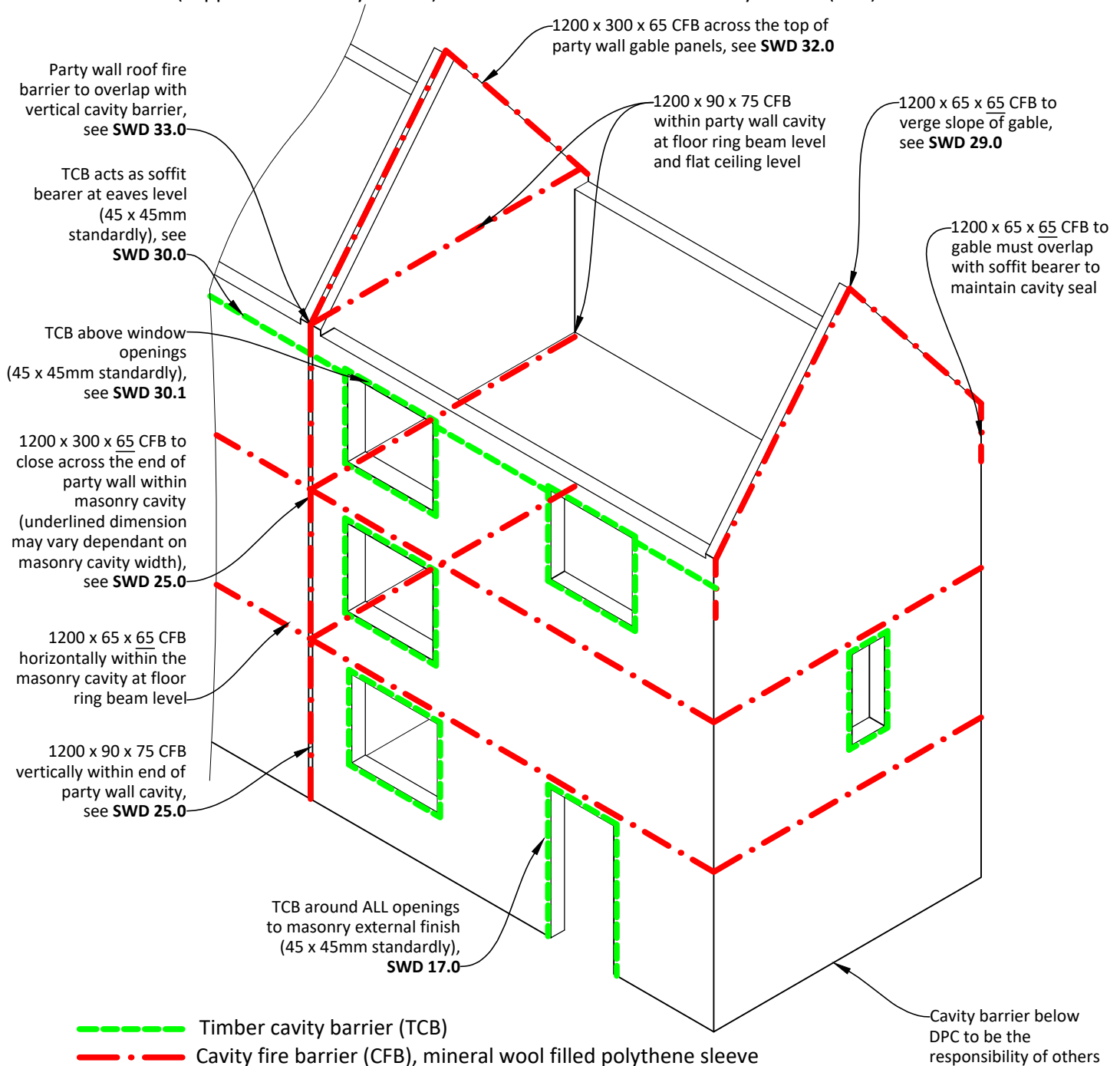
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Cavity barriers are used within cavities to prevent fire spread. They can be rigid preservative treated timber battens, non-combustible board, or flexible types based on mineral wool. See diagram below for specifications, any sizes stated are to suit a standard 50mm clear cavity:

**NOTE: They MUST be fixed ACCURATELY & FILL CAVITY TIGHTLY in all positions shown.**

Fix DPC (supplied & fitted by others) to brickwork side of timber cavity barrier (TCB) - See **SWD 1.0**



Any adjustment, or packing of TCB's to suit variance in cavity when external brickwork is being installed to be responsibility of main contractor.

Notwithstanding which party are responsible for supplying and fitting cavity barrier in the agreed order. Taylor Lane will not be responsible for supply or installation of barriers including, but not limited to: below dpc, around meter boxes, flues and other service penetrations such as vents and also firestopping of any service penetrations. This is guidance only and it is entirely the responsibility of the architect to ensure compliance with all elements of the building regulations' and not Taylor Lane.

Note: Only figured dimensions to be worked from.

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DETAILS:

**Standard Wall Details**

TITLE:

**FLATS  
Cavity Barriers**

DETAIL NO.

**SWD 15.0F**

REVISION.

**G**

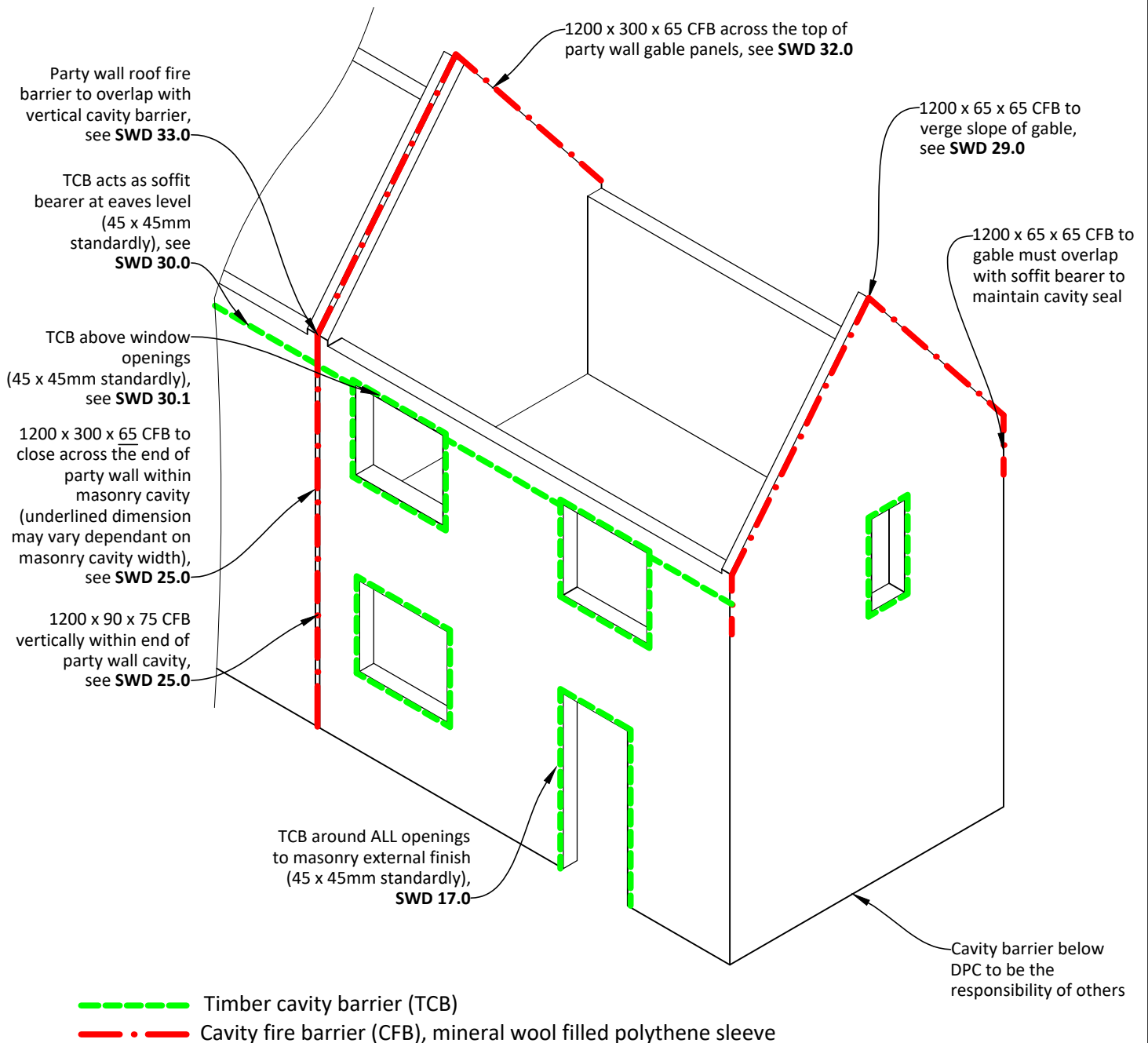
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Cavity barriers are used within cavities to prevent fire spread. They can be rigid preservative treated timber battens, non-combustible board, or flexible types based on mineral wool. See diagram below for specifications, any sizes stated are to suit a standard 50mm clear cavity:

**NOTE: They MUST be fixed ACCURATELY & FILL CAVITY TIGHTLY in all positions shown.**

Fix DPC (supplied & fitted by others) to brickwork side of timber cavity barrier (TCB) - See **SWD 1.0**



Any adjustment, or packing of TCB's to suit variance in cavity when external brickwork is being installed to be responsibility of main contractor.

Notwithstanding which party are responsible for supplying and fitting cavity barrier in the agreed order. Taylor Lane will not be responsible for supply or installation of barriers including, but not limited to: below dpc, around meter boxes, flues and other service penetrations such as vents and also firestopping of any service penetrations. This is guidance only and it is entirely the responsibility of the architect to ensure compliance with all elements of the building regulations' and not Taylor Lane.

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DETAILS:

**Standard Wall Details**

TITLE:

**HOUSES  
Cavity Barriers**

DETAIL No.

**SWD 15.0H**

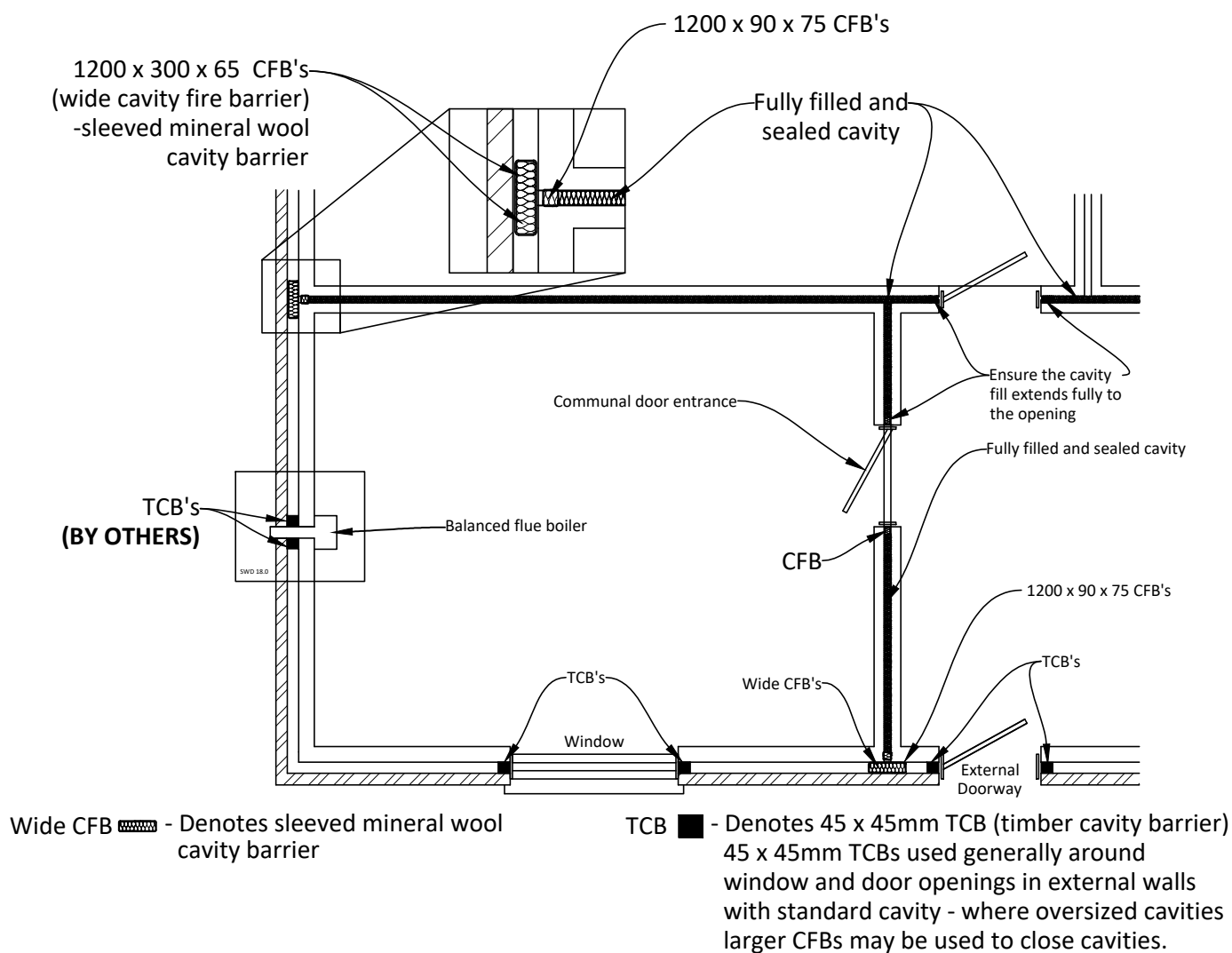
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**Jan. 2021**





NOTE: Cavity barriers should be provided at the edges of cavities, including around openings. Any adjustment or packing of TCB's to suit variance in cavity when external cladding is being installed to be responsibility of main contractor

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DETAILS:

**Standard Wall Details**

TITLE:

**Cavity Barriers Plan Views**

DETAIL No.

**SWD 16.0**

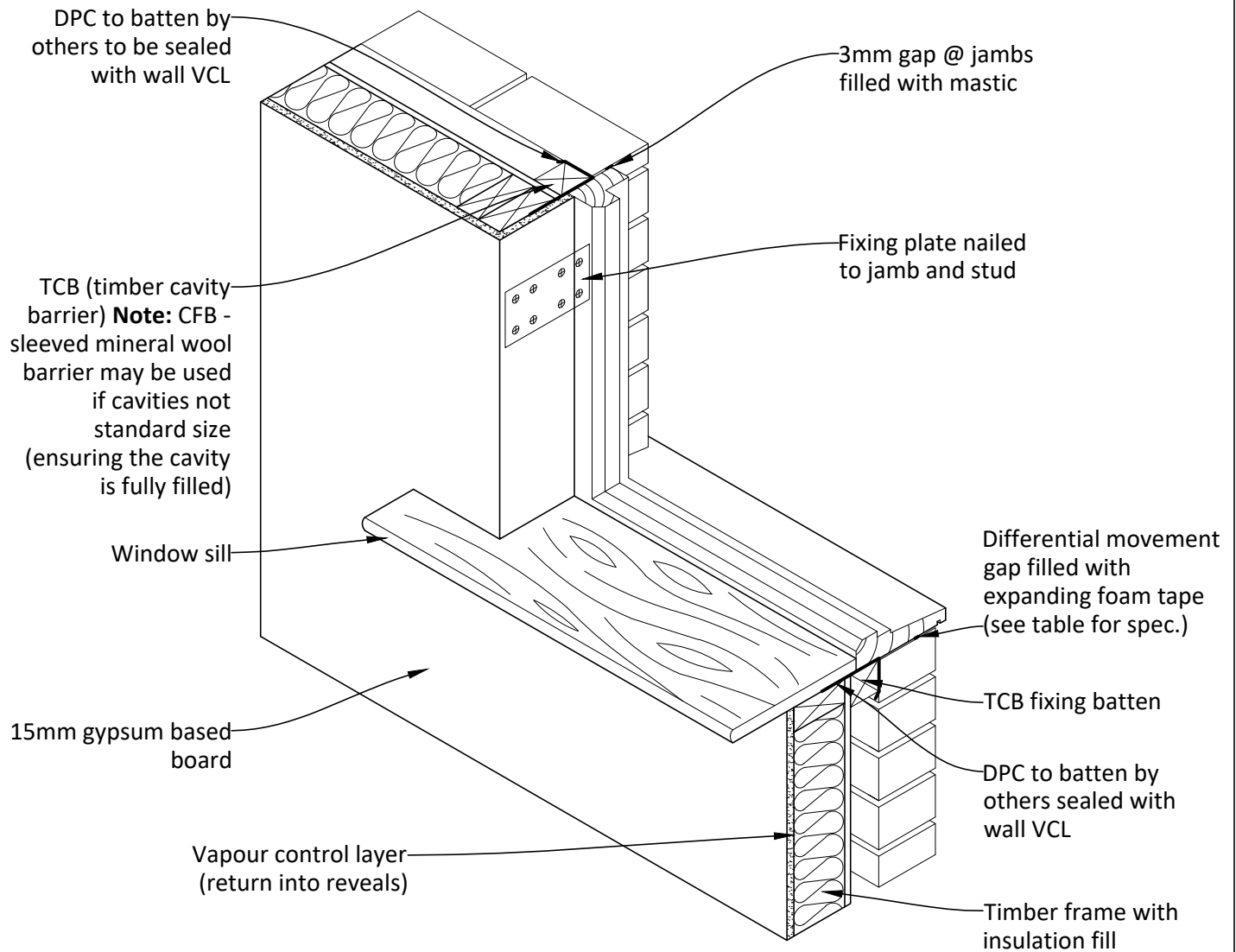
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**F**

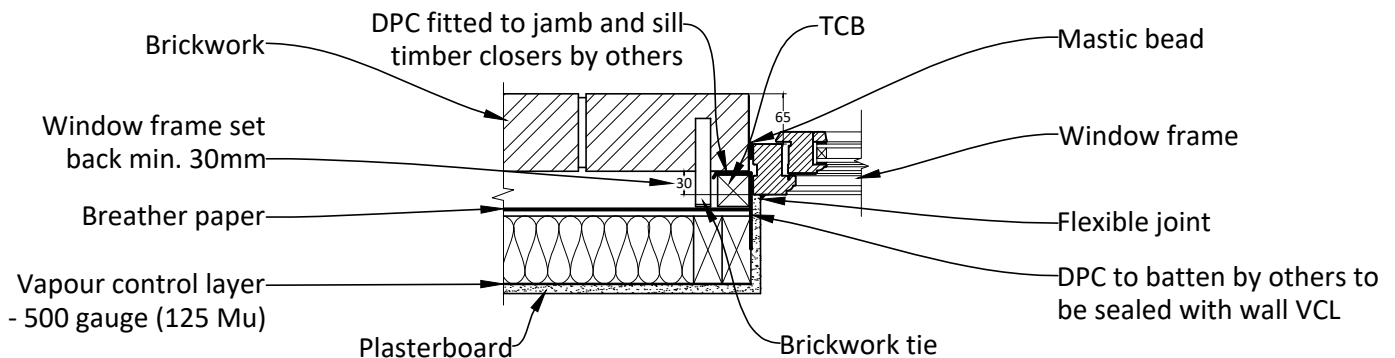
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These details show a 'Jeldwen' window with a standard width sill fitted to allow the sill to provide an adequate drip. Should any other detail be required please inform Taylor Lane as soon as possible.



### Window jamb - plan section



**Note:** If frame set back from brick is more than 65mm a special sill detail may be required

Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall Details

TITLE:

Window Cavity Barrier

DETAIL No.

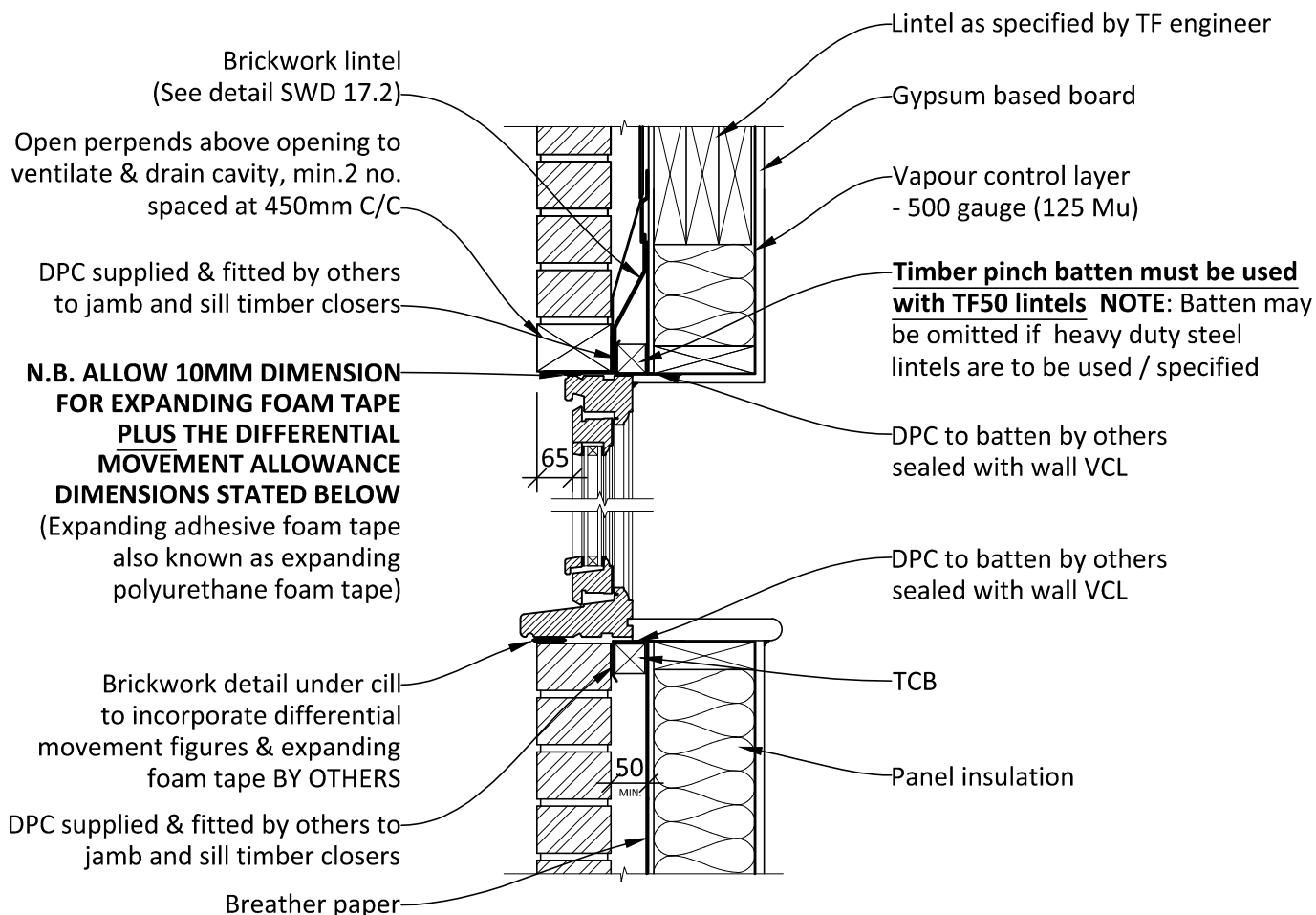
**SWD 17.0**

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Note: If set back from brick is more than 65mm a special sill detail may be required

**PLEASE REFER TO UKTFA DIFFERENTIAL MOVEMENT IN PLATFORM TIMBER FRAME  
MAY 2008 GUIDANCE DOCUMENT & NHBC STANDARDS 2008  
FOR JUNCTION DETAILING TO ACCOMMODATE DIFFERENTIAL MOVEMENT**

#### DIFFERENTIAL MOVEMENT GAP UNDER WINDOWS TO TRADA RECOMMENDATIONS

	SOLID TIMBER SUPER-DRY JOISTS (@ ~ 12% MC) OR ENGINEERED TIMBER JOISTS (CONCRETE GROUND FLOOR)
SINGLE STOREY	5 mm
TWO STOREY	15 mm
THREE STOREY	25 mm
FOUR STOREY	35 mm

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DETAILS:

Standard Wall Details

TITLE:

Window Cavity Barrier Section  
Differential Movement

DETAIL No.

**SWD 17.1**

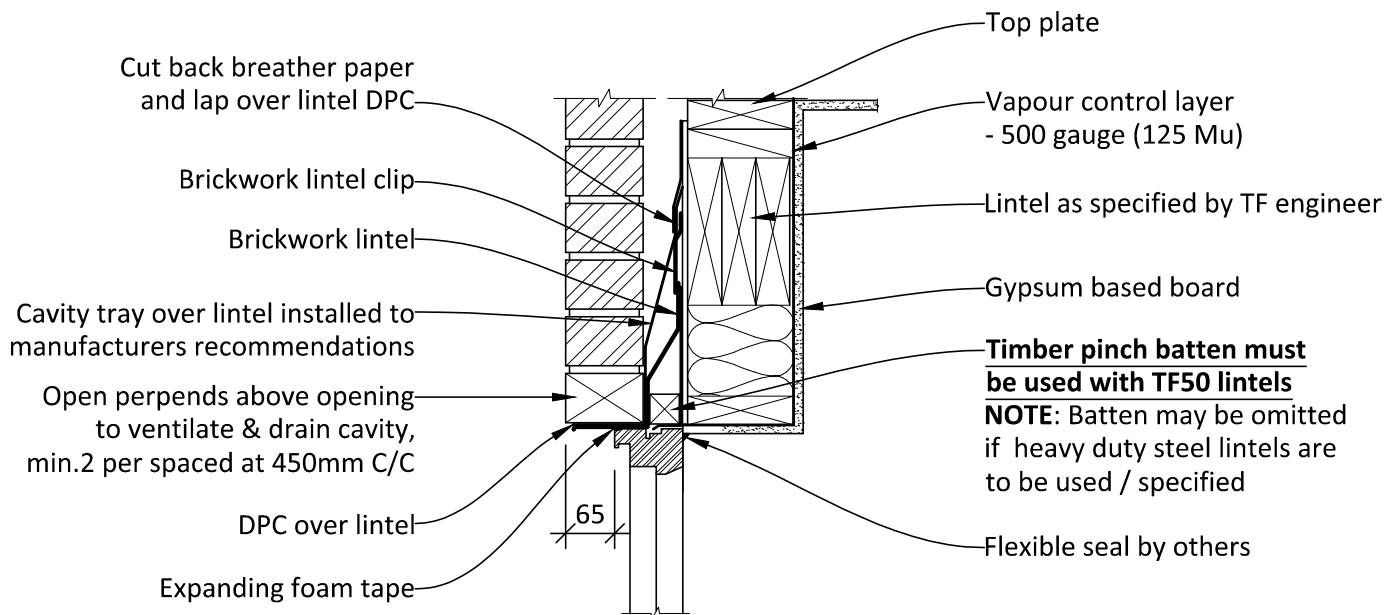
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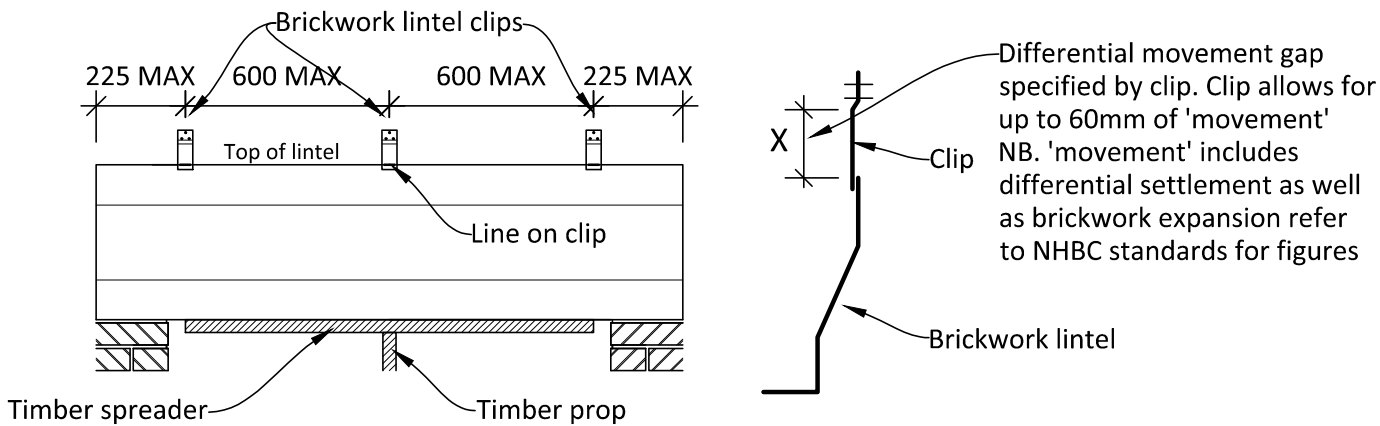
Jan. 2021

N.B. SUPERGALV BIRTLEY BUILDING PRODUCTS LINTELS DETAILED BELOW



NOTES: ALL lintels must have a minimum end bearing of 150mm.  
LINTELS LONGER THAN 1200mm SHOULD BE PROPPED UNTIL LINTEL IS FULLY LOADED AND BRICKWORK HAS MATURED - USE HORIZONTAL TIMBER SPREADER TO AVOID DISTORTING LINTEL WITH SINGLE CENTRAL PROP FOR OPENING UP TO 2100mm & MULTIPLE PROPS AT MAX. SPACING OF 1200mm REQUIRED FOR LARGER OPENINGS

ALL Supergalv lintels are hot dip galvanized after manufacture with a minimum coating thickness of 65mu and when used with an additional cavity tray ie. DPC (see above) are suitable for all UK locations. For further information regarding installation please refer to SUPERGALV BIRTLEY BUILDING PRODUCTS: Birtley Design & Build Practice



NOTES: Lintels are supplied with galvanised timber frame clips which retain the top edge of the lintel. Clips should be fixed to the frame at MAX 600mm C/C using 3 No. Ø3.3 x 50mm long galvanised nails

**ENSURE THAT THE TOP OF THE LINTEL LINES THROUGH WITH THE MARKED LINE ON THE CLIP. (Differential movement gap)**

Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall Details

TITLE:

Timber Frame Brickwork Lintel

DETAIL No.

**SWD 17.2**

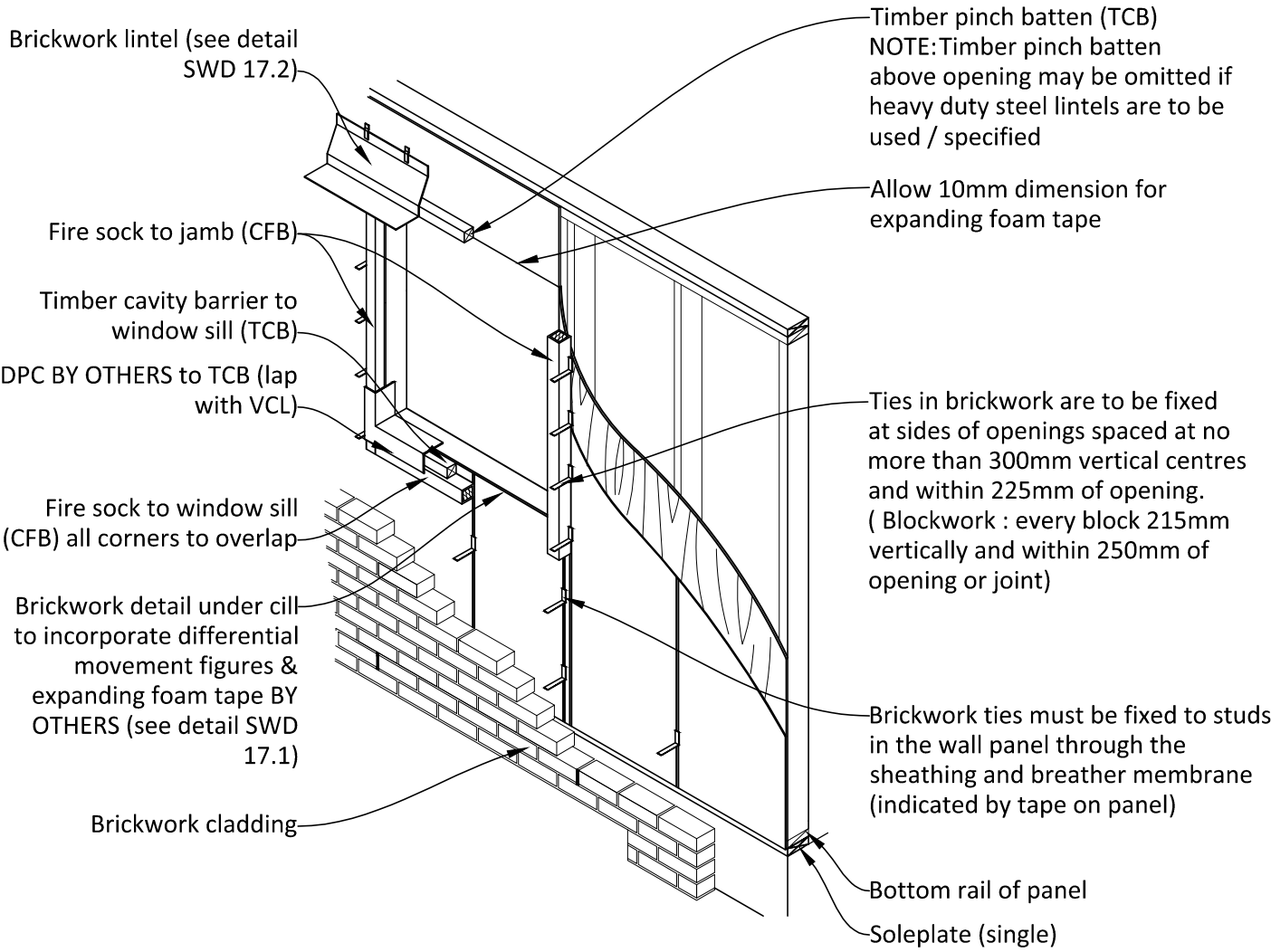
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DATE ISSUED:

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Open perpend above openings to ventilate & drain cavity, min. 2no. spaced at 450mm C/C.



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DETAILS:

Standard Wall Details

TITLE:

Window Cavity Barrier  
Alternative Arrangement

DETAIL No.

**SWD 17.3**

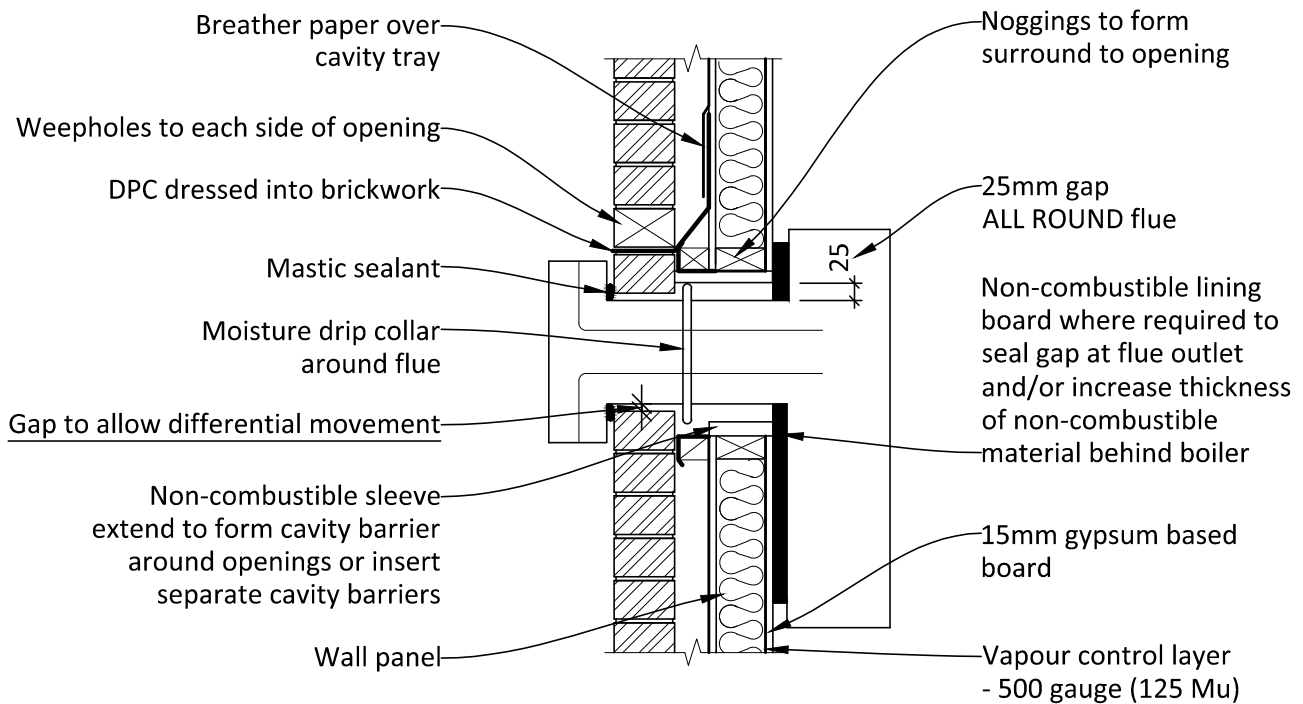
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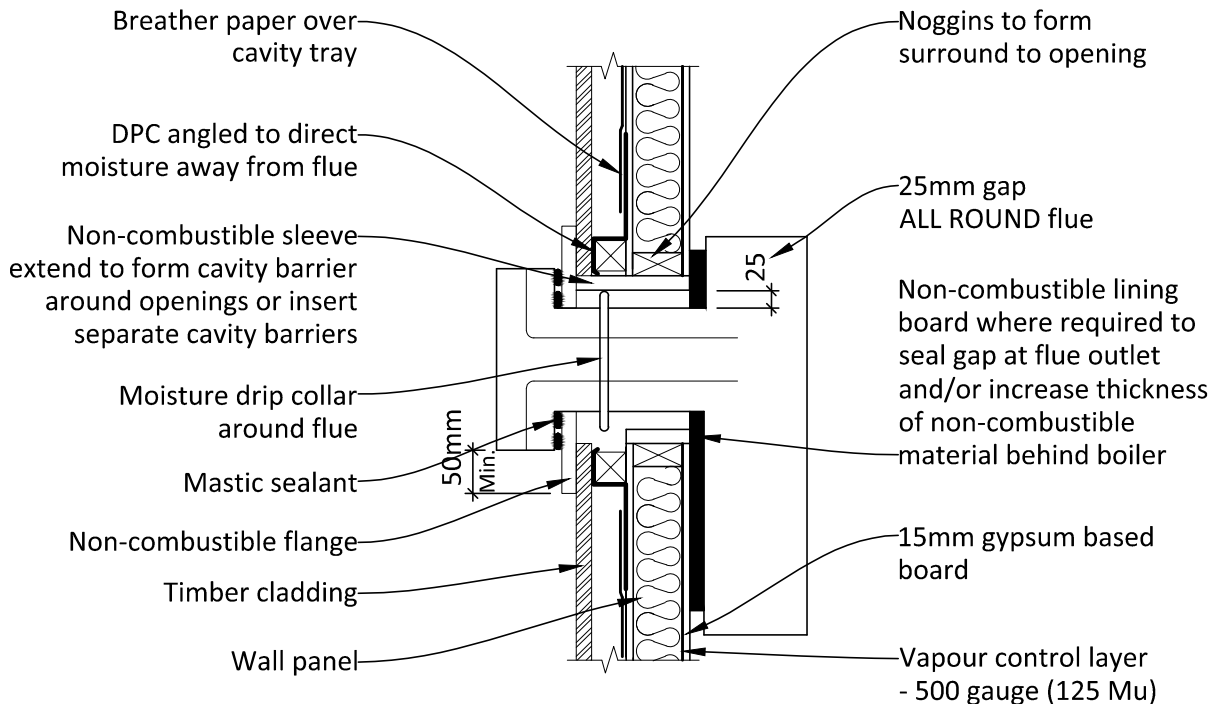
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## Brick clad wall



## Timber clad wall



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DETAILS:

Standard Wall Details

TITLE:

Balanced Flue Boiler  
Installation

DETAIL No.

**SWD 18.0**

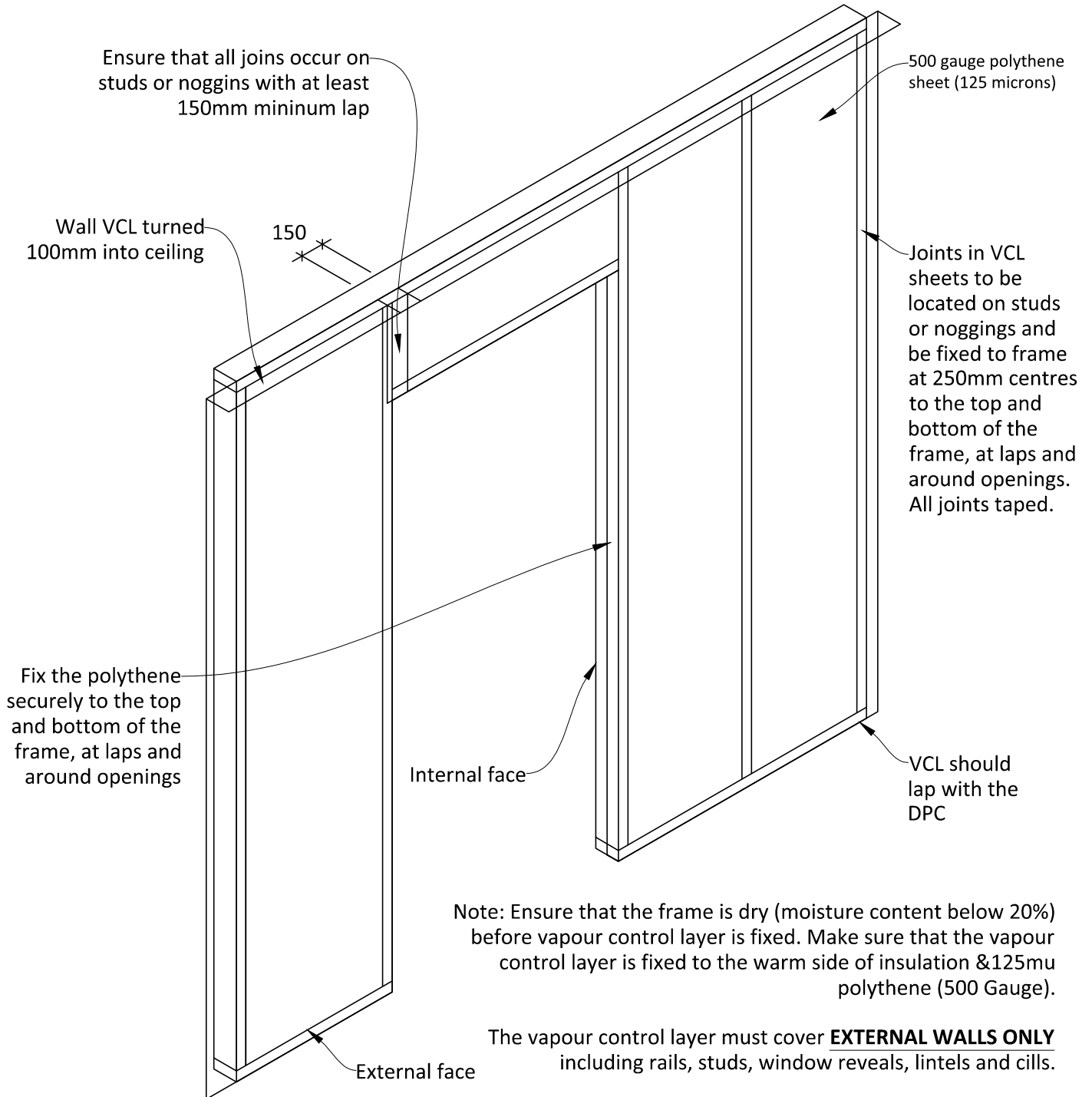
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## External walls only



Make sure that the holes are cut neatly and any gaps sealed with tape. Tape should always be applied to top of tears so moisture cannot run down behind.

**ALL TEARS MUST BE REPAIRED WITH NEW VAPOUR CONTROL LAYER AND TAPED IN POSITION**

Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall Details

TITLE:

Panel Vapour Control Layer

DETAIL No.

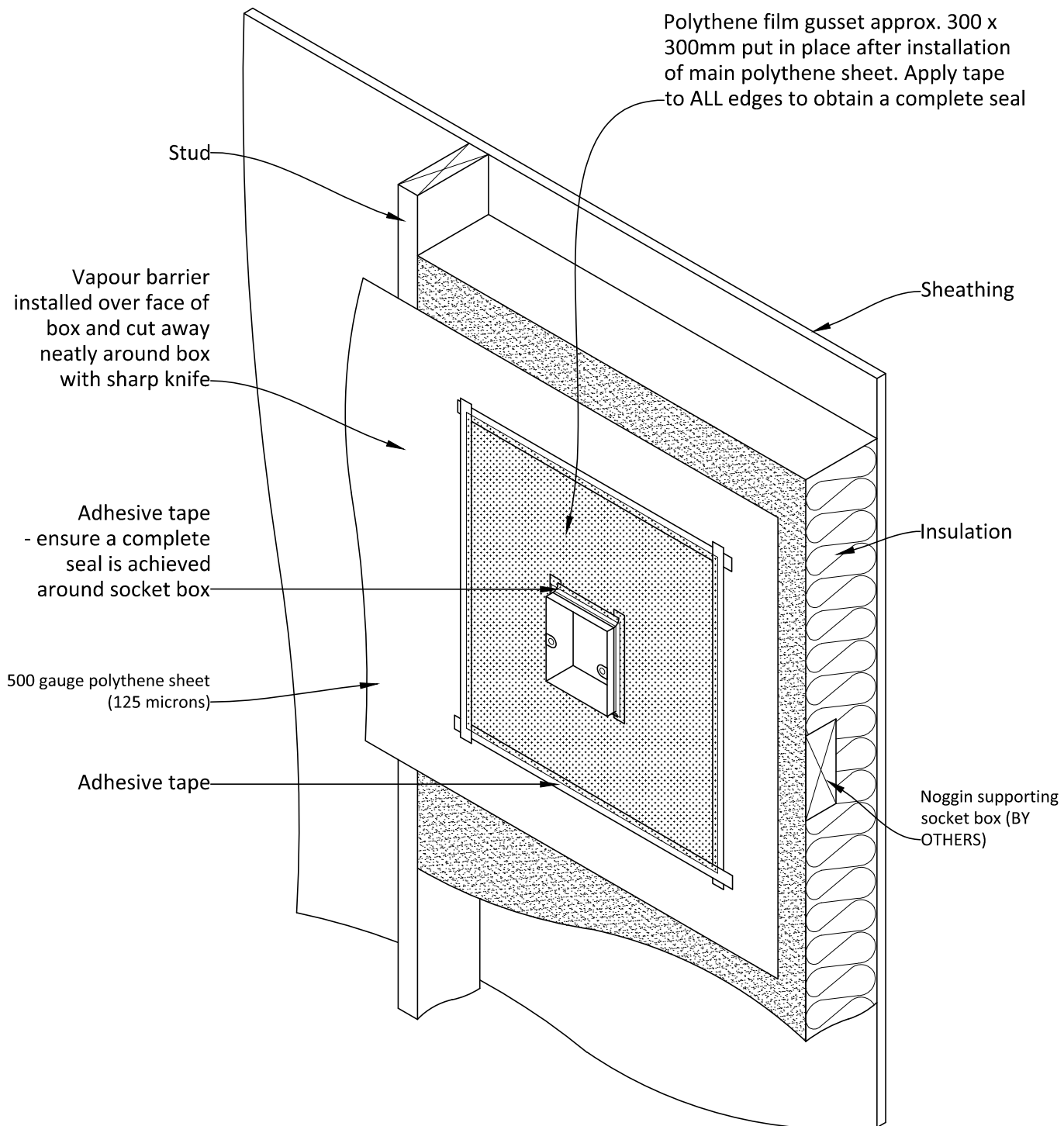
**SWD 19.1**

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**D**

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Joints in VCL sheets to be located on studs or noggins and be fixed to frame at 250mm centres to the top and bottom of the frame, at laps and around openings

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DETAILS:

**Standard Wall Details**

TITLE:

**Vapour Control Layer  
Around Socket Box**

DETAIL No.

**SWD 20.0**

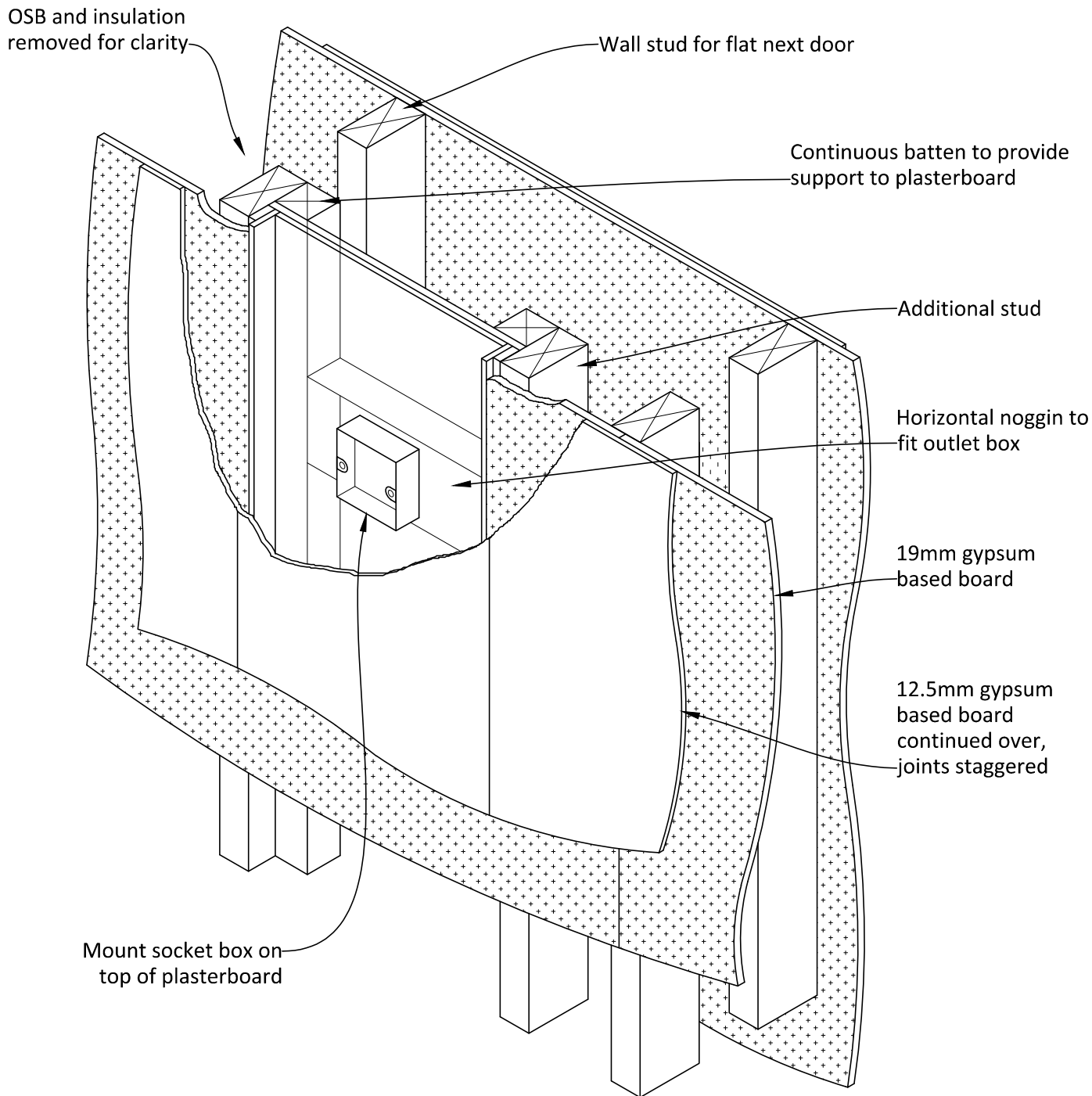
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Duct extended to full height or closed off above outlet (and below where required) with 19mm and 12.5mm plasterboard and penetration for cable fire stopped with plasterboard or mineral wool.

**IMPORTANT: SOCKETS MUST NOT BE FIXED BACK TO BACK ACROSS PARTY WALLS**

## Robust Detail E-WT-1

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DETAILS:

Standard Wall Details

TITLE:

Electrical Socket Fitting  
into Party Wall

DETAIL No.

**SWD 20.1**

REVISION.

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DATE ISSUED.

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Slit in existing panel breather membrane

150mm vertical lap

100 mm

150mm 100 mm

150mm

100 mm

1. Cut patch with minimum laps over tear as shown.
2. Cut slit in panel breather membrane above tear no wider than patch.
3. Tuck top of patch into slit to dims as shown.
4. Staple patch with stainless steel staples at 150mm ctrs

Repair patch of breather membrane

Vertical joints staggered

100mm horizontal laps

Breather membrane maximum vapour resistance 0.6MNs/g

Breather membrane to be fixed with stainless steel staples at 150mm centres or to manufacturers recommendations and should be fitted from lowest level upwards so the upper membrane overlaps the lower to prevent water ingress.

Breather membranes should extend at least 25mm below lowest timber member in wall.

Breather membranes must overlap cavity trays at the heads of openings.

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## Standard Wall Details

## Breather Membrane Joints & Repairs

DETAIL No.

## SWD 21.0

REVISION.

**C**

DATE ISSUED.

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**Schedule may vary per job. The engineer's specification will supersede this schedule if required. Unless stated otherwise on the working drawings, all fixing & nailing is to be the minimum stated and in accordance with BS5268 Parts 2 & 6.1. Any variation to the fixings proposed from the schedule below must be approved by the timber frame engineer**

	NAILS	LOCATION	QUANTITY
SP	SHOT FIRED NAILS: Ø4.0x97mm Hilti NK 97 D12 or Equal OR HAMMER FIX: M8x100mm Friulsider TSS 622 or Equal	Soleplates	As drawing specification and at sides of full height openings
PANELS	Galvanised Round Wire Nails Ø3.1 x 75mm  OR 'GUN' Nails: Galvanised Annular Ring Shank Ø3.1 x 75mm	Panel to Panel Joints	1 per 300mm centres, staggered & nail from BOTH sides
		Panel to Soleplate	1 per 300mm centres, staggered & 2No. nails at sides of full height openings.
		Top Plate	2 per Junction
		Top Plate to Panel	1 per 300mm centres, staggered
		Plasterboard Ceiling Noggins	4 per Piece
		Panel Top Supports	4 per Piece
		Panel Top Support to Panel	2 per Joint
		Bottom Rail of Panel to Joists	1 per 300mm centres, note minimum 20mm edge distance when nailing into 45mm rim joists
	Galvanised Round Wire Nails Ø3.0 x 50mm OR 'GUN' Nails: Galvanised Annular Ring Shank Ø2.8 x 51mm	Any site fixing of 9mm sheathing to external panels	Face Nailed at 150mm centres to perimeter of sheet & 150mm centres to internal stud line, unless stated otherwise on working drawings
ROOFS  FOR OTHER NAILING REQUIREMENTS PLEASE REFER TO TAYLOR LANE ROOF STANDARD DETAILS	Galvanised Round Wire Nails Ø3.1 x 75mm  OR 'GUN' Nails: Galvanised Annular Ring Shank Ø3.1 x 75mm	Top Plate to Panel at Upper Levels	1 per 300mm centres, staggered
		Roof Gable Panel to Top Plate	1 per 300mm centres, staggered
		Roof Gable Panel to Gable Panel	1 per 300mm centres, nail from BOTH sides
		Gable Ladders	2 Nails skewed thru ladder rungs 600mm c/c to gable panel
		Gable Ladders	Nail Gable Ladder to adjacent truss / rafter in pairs at 600mm centres, 50mm stagger
		All loose Timbers	2 per Joint
		9 or 18mm OSB sheathing to Top of Rafters	Nail centres for OSB. See working drawings for centres. boards orientated to suit the structural direction of board
	Treated Round Wire 38mm	Soffit & Eaves Board	1 per 600mm centres
	Treated Oval 65mm	Fascia Board	2 per Truss
		Barge Board	2 per 600mm centres
BATTENS	Galvanised Round Wire Nails Ø4.0 x 100mm OR 'GUN' Nails: Galvanised Annular Ring Shank Ø3.1 x 90mm	Plasterboard Fixing Batten	1 per 600mm centres
		Resilient Bar Fixing Batten	1 per 600mm centres
		Gable Ceiling Batten	1 per 600mm centres
		Timber Cavity Batten	1 per 600mm centres
MISC.  CLIPS, HANGERS PARTY WALL TIES & PANEL CLOSER CLIPS	Galvanised Square Twist Ø3.75 x 32mm	Joist Hangers	All holes in hanger, installed strictly in accordance with manufacturers instructions. Other fixings may be required ie. SDS screws / bolts / different nail spec. etc to achieve required loadings. See Working Drawings
		Truss Clips	All Holes in Clips
		PWT 200 Party Wall Ties	All Holes in Ties, Nails to be fixed Square to Panel
	Stainless Steel Annular Ring Shank Nails Ø3.35 x 50mm (9mm OSB)	Stainless Steel Brickwork Wall Ties	1 per Wall Tie or to manufacturers recommendations
		Stainless Steel ETFSS Holding Down Strap	Fill ALL 8 No. Holes in Strap
	Galvanised Annular Ring Shank Nails Ø3.35 x 50mm	Brickwork Lintel Clips	Fill all Holes to Manufacturers Recommendations
		Cullen Panels Closer Clips (PC 1&2)	Fill ALL holes as noted in 4 stages to manufacturers recommendations

Note: Only figured dimensions to be worked from.

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DETAILS:

**Standard Wall Details**

TITLE:

**Standard Nailing Schedule**

DETAIL No.

**SWD 22.0**

REVISION.

**C**

DATE ISSUED.

**Jan. 2021**

## Construction methodology for external wall built adjacent to an existing building

Where a new building is required to be built in very close proximity to an existing building i.e. where the inclusion of scaffolding is impossible or otherwise impractical, the following construction method is suggested.

The required timber frame wall is supplied without factory fixed sheathing or breather paper and is erected in the usual manner.

NOTE: this wall will need to be temporarily stabilised during construction using 100 x 25 diagonal bracing; see the particular working drawings for the full specification. Once the brick / block work to this wall is ready to commence the following build sequence is suggested:

1. Loose breather paper is supplied in 650 wide rolls. Starting with the bottom edge of the paper lapped to cover the sole plate, keeping it drawn tight and using stainless steel staples, fix it to the cavity face of the timber frame studwork.
2. Next, fix the brick ties to the studs at the required vertical centres ensuring that the tie slopes down towards the brickwork, preventing any possibility of them becoming moisture bridges.
3. Commence laying the bricks / blocks from the inside of the frame stopping at least 150mm below the top of the breather paper.
4. Now fix the second layer of breather paper to the frame allowing a minimum lap of 150mm over the lower paper. Continue repeating steps 1 to 3 to the top of the wall.
5. First fix required services (note: it is better to minimise services within this wall).
6. Install the insulation.
7. Fix OSB sheathing to internal face of studwork (50mm ring shank nails at 150mm centres to the perimeter of the panel, 50mm ring shank nails at 300mm centres to the intermediate studs). Note: check the nailing specification as given on the particular working drawings. (N.B. the sheathing acts as the vapour check).
8. Finally plasterboard the wall and finish as required.

Should you have any queries about any of the above please do not hesitate to contact Taylor Lane.

Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall Details

TITLE:

External Wall Built Adjacent to  
Existing Building

DETAIL No.

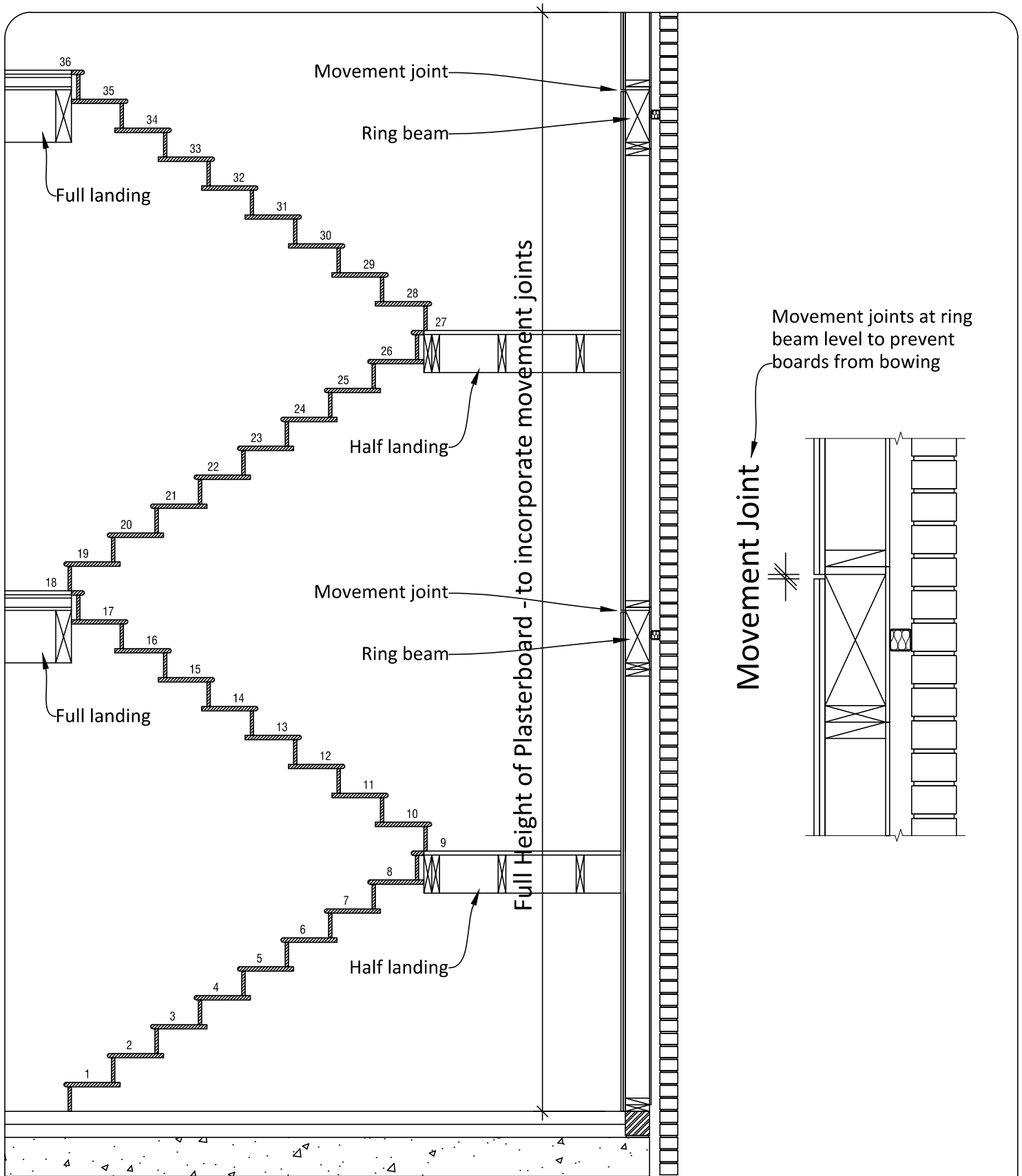
**SWD 23.0**

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Cross section through stairwell showing where plasterboard is subject to stress.  
Typically for buildings over 2 storeys in height

Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall Details

TITLE:

Differential Movement  
Stairwell Finishes Guidance

DETAIL No.

**SWD 23.1**

REVISION.

**C**

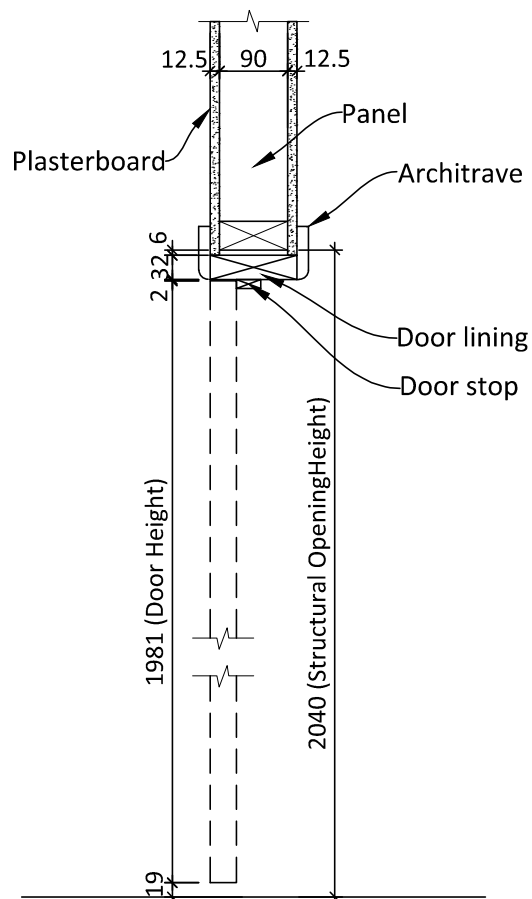
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**Note: Structural openings are based on 32mm door linings.**  
**If using narrower linings and openings are required to be reduced Taylor Lane should be informed directly in writing otherwise we will override any architects dimensions/schedules and use the structural openings shown in tables below.**

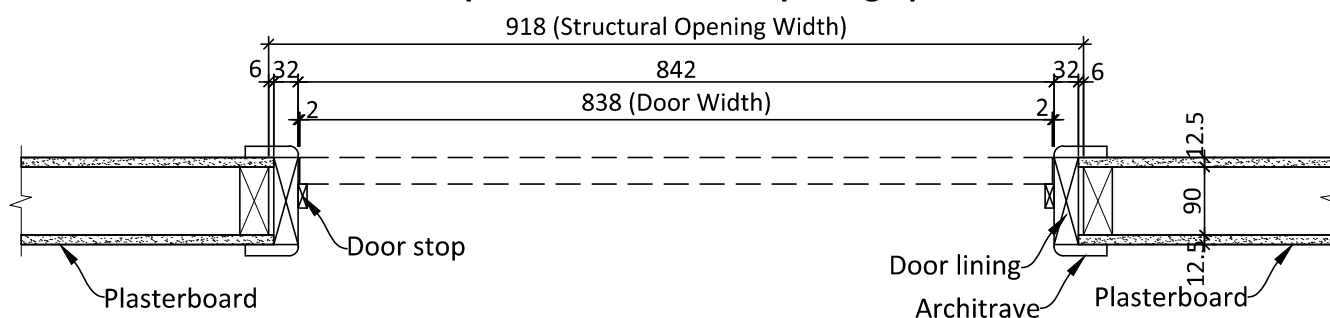
IMPERIAL	
Door width	Structural opening
915mm	995mm x 2040mm
838mm	918mm x 2040mm
762mm	842mm x 2040mm
686mm	766mm x 2040mm
610mm	690mm x 2040mm
533mm	613mm x 2040mm

METRIC	
Door width	Structural opening
926	1006mm x 2100mm
826	906mm x 2100mm
726	806mm x 2100mm
626	706mm x 2100mm
526	606mm x 2100mm



**Imperial internal door opening - section**

**Imperial internal door opening - plan**



Note: Only figured dimensions to be worked from.

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DETAILS:

**Standard Wall Details**

TITLE:

**Internal Door Openings**

DETAIL No.

**SWD 23.2**

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**A**

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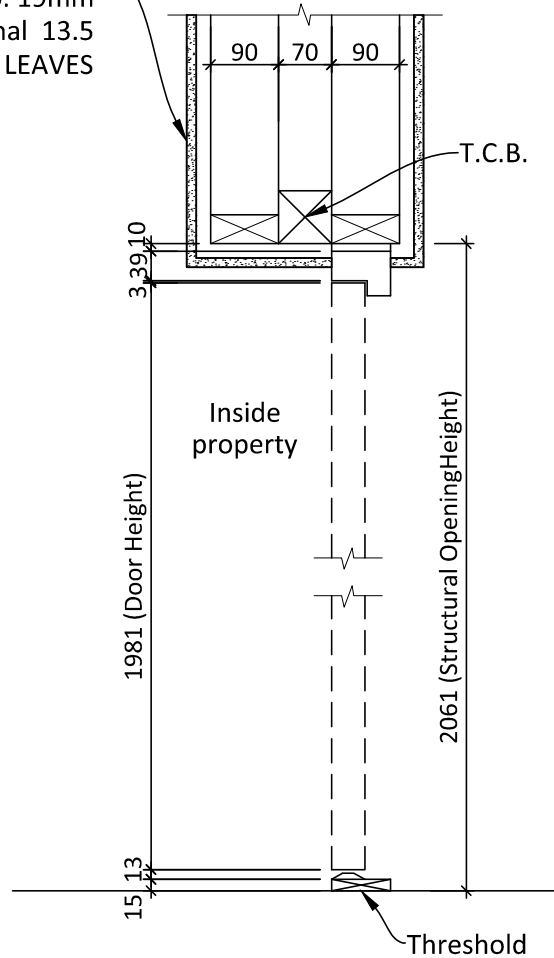
**Jan. 2021**

## FD30 Imperial internal door opening - section

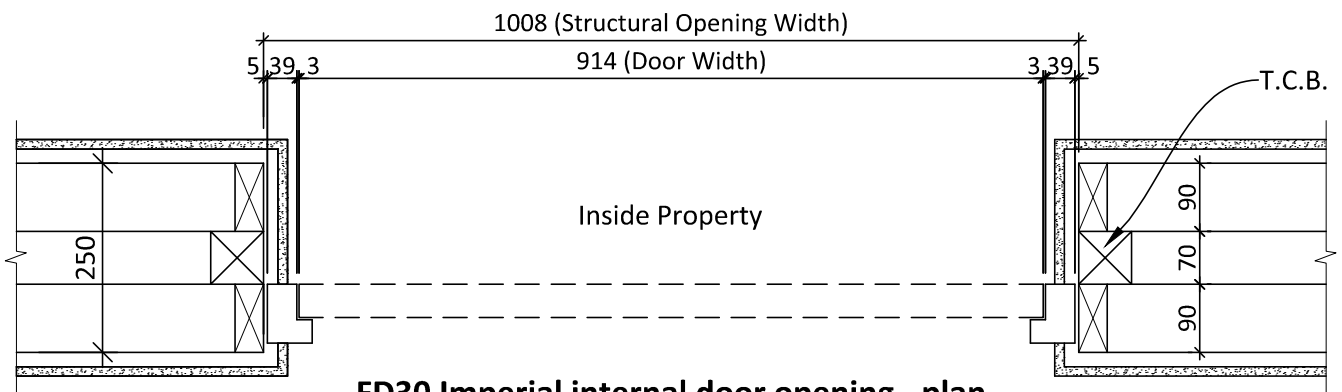
Typically 1 No. 12.5mm gypsum based board (nominal 8.5kg/m<sup>3</sup>) & 1 No. 19mm gypsum-based board (nominal 13.5 kg/m<sup>3</sup>) specified BOTH LEAVES

FD30 SOLID REBATE & SOUNDSECURE	
Door width (imperial)	Structural opening
914mm	1008mm x 2061mm
864mm	958mm x 2061mm
838mm	932mm x 2061mm
Door width (metric)	
926mm	1020mm x 2120mm

FD60 SOLID REBATE & SOUNDSECURE	
Door width (imperial)	Structural opening
914mm	994mm x 2056mm
864mm	944mm x 2056mm
838mm	918mm x 2056mm
Door width (metric)	
926mm	1006mm x 2115mm



Note: Door frame to be securely fitted to either leaf of timber frame as clients preference



FD30 Imperial internal door opening - plan

Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall Details

TITLE:

P/W Internal Door Openings

DETAIL No.

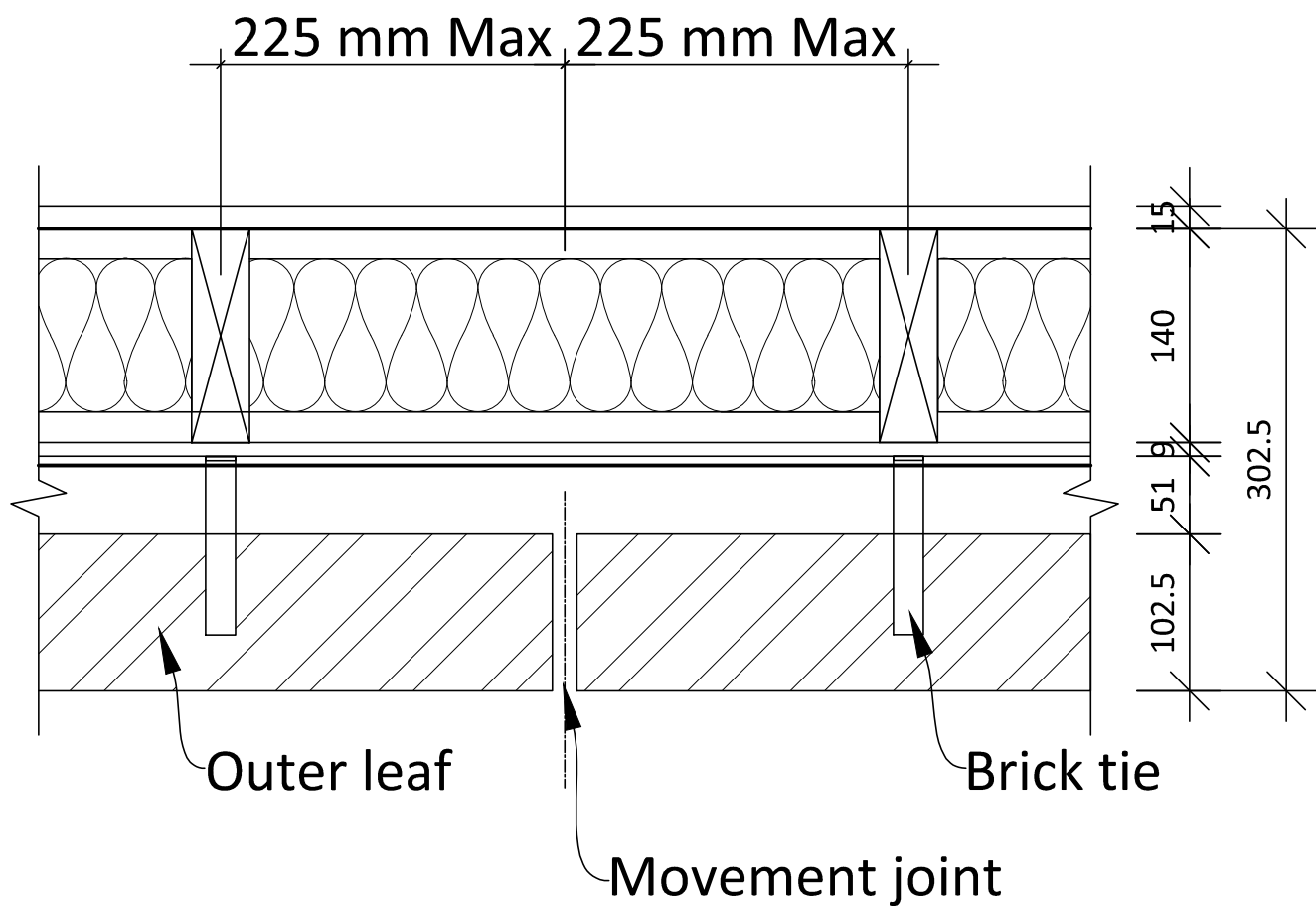
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DETAILS:

Standard Wall details

TITLE:

Brickwork Movement Joint Detail

DETAIL No.

**SWD 23.4**

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Plasterboard to be fixed in full accordance  
with manufacturers recommendations

90mm mineral wool  
insulation minimum

(NOTE: 60mm min. depth & min.  
density 10-60 kg/m<sup>3</sup>)  
(BY OTHERS)

NOTE:

Typically 1 no. 12.5mm gypsum  
based board (nominal 8.5kg/m<sup>3</sup>) &  
1 No. 19mm gypsum-based board  
(nominal 13.5 kg/m<sup>3</sup>) specified  
BOTH SIDES. Fitted in full  
accordance with manufacturers  
recommendations.

Ensure specification of boarding  
used conforms to total nominal  
mass per unit area 22kg/m<sup>2</sup>

Bottom rail of panel 90 x 38

Bead of sealant **BY OTHERS**  
(Applied prior to plaster  
boarding at all levels)

90 70\* 90

Simpson Strong Tie PWT 200  
party wall ties at min. 1200 C/C  
(or to engineers specification).  
- One row per storey height

9mm external OSB 3  
sheathing. Partial sheathing  
1800mm max. to both ends  
of both leaves.

Netlon to unsheathed studs.

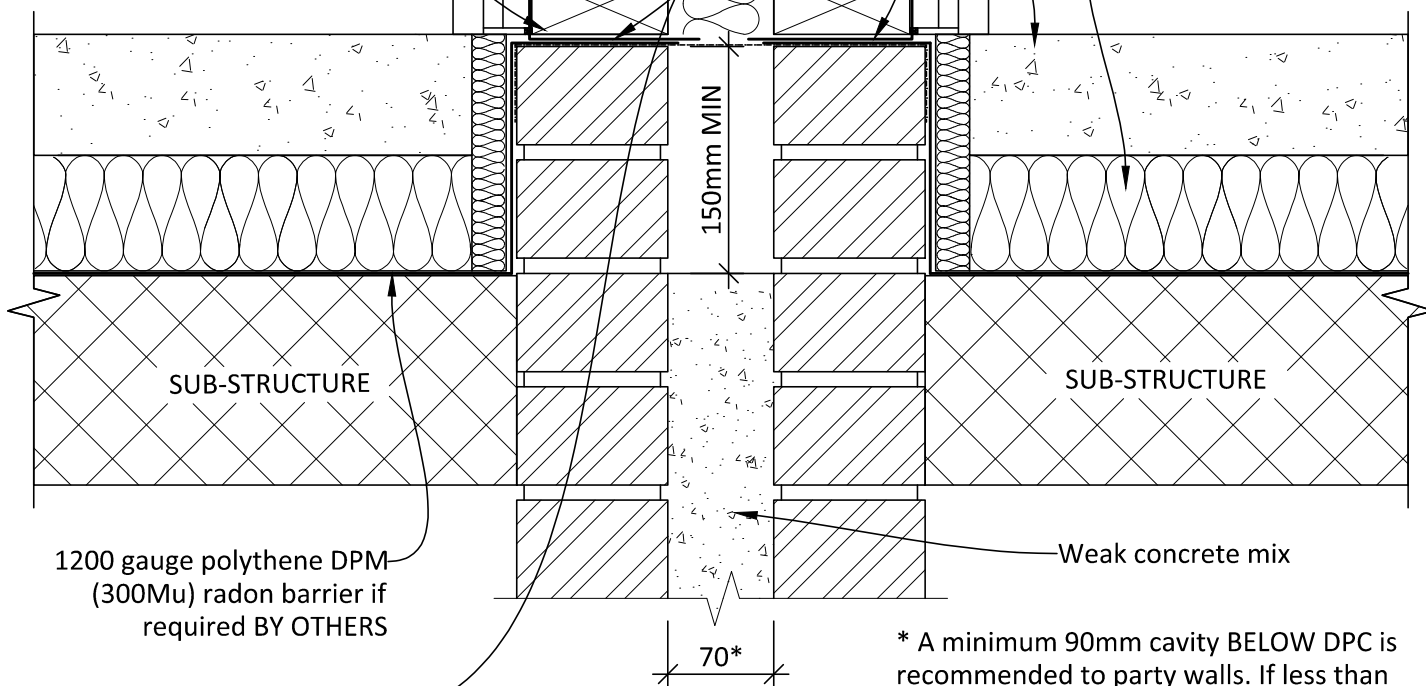
Minimum 50mm clear cavity  
fully filled and sealed

Single soleplate

DPC

Screed finished floor

Thermal insulation



SUB-STRUCTURE

SUB-STRUCTURE

1200 gauge polythene DPM  
(300Mu) radon barrier if  
required BY OTHERS

FCM 375 air barrier

Weak concrete mix

70\*

Sectional Elevation

\* A minimum 90mm cavity BELOW DPC is  
recommended to party walls. If less than  
this Taylor Lane advise that a 50mm clear  
cavity between timber faces  
(whilst working to permissible construction  
tolerances) can be impractical.

## Robust Detail E-WT-1

Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall Details

TITLE:

FLATS & HOUSES  
Ground Floor Junction

DETAIL No.

**SWD 24.0**

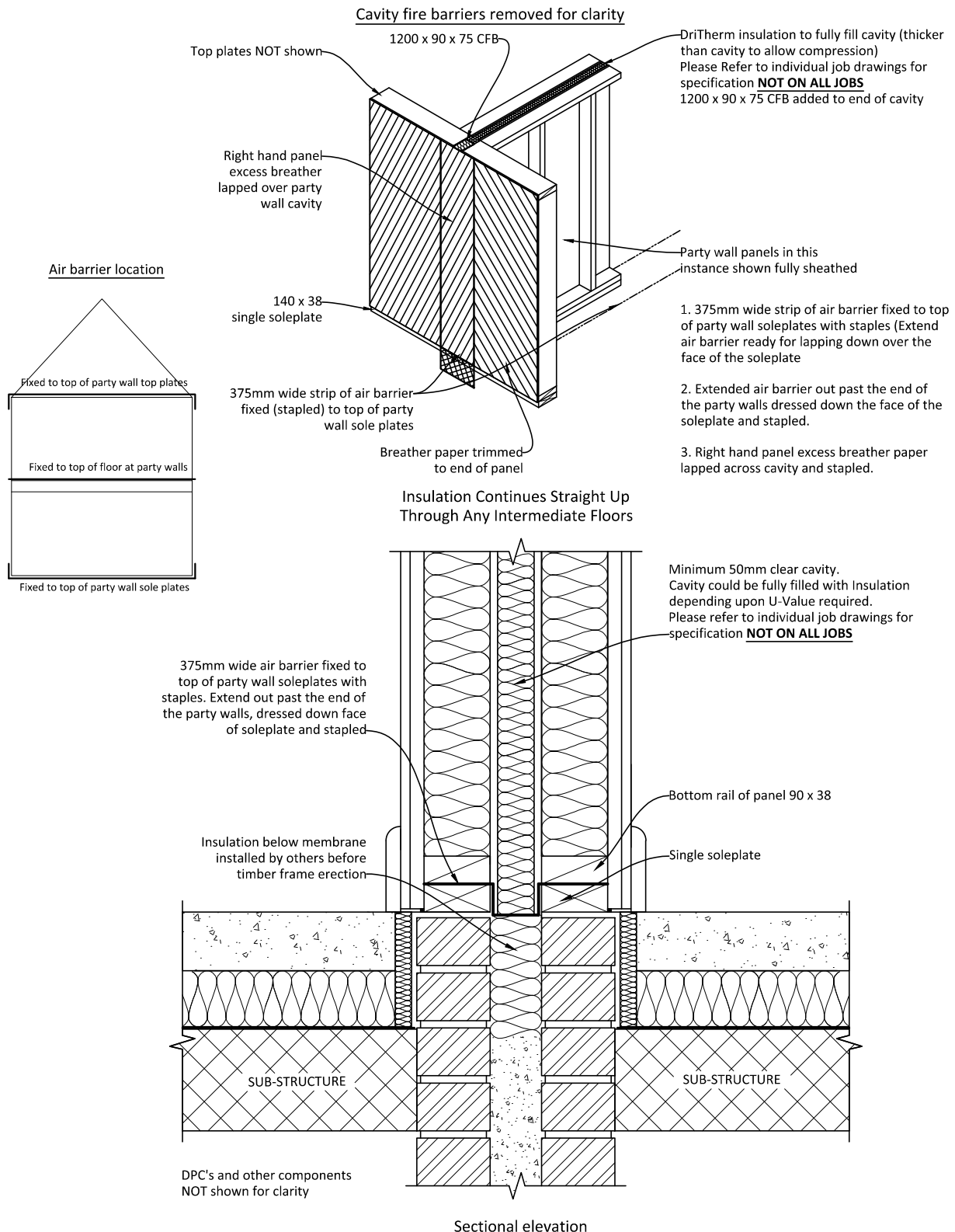
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# Ground floor (Soleplate) Party wall cavity edge sealing detail



Note: Only figured dimensions to be worked from.

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## Party Wall U Value Pack

DETAILS:

## Standard Wall Details

TITLE:

## FLATS & HOUSES Party Wall Cavity Edge Sealing Detail - Soleplate

DETAIL No.

**SWD 24.1**

REVISION.

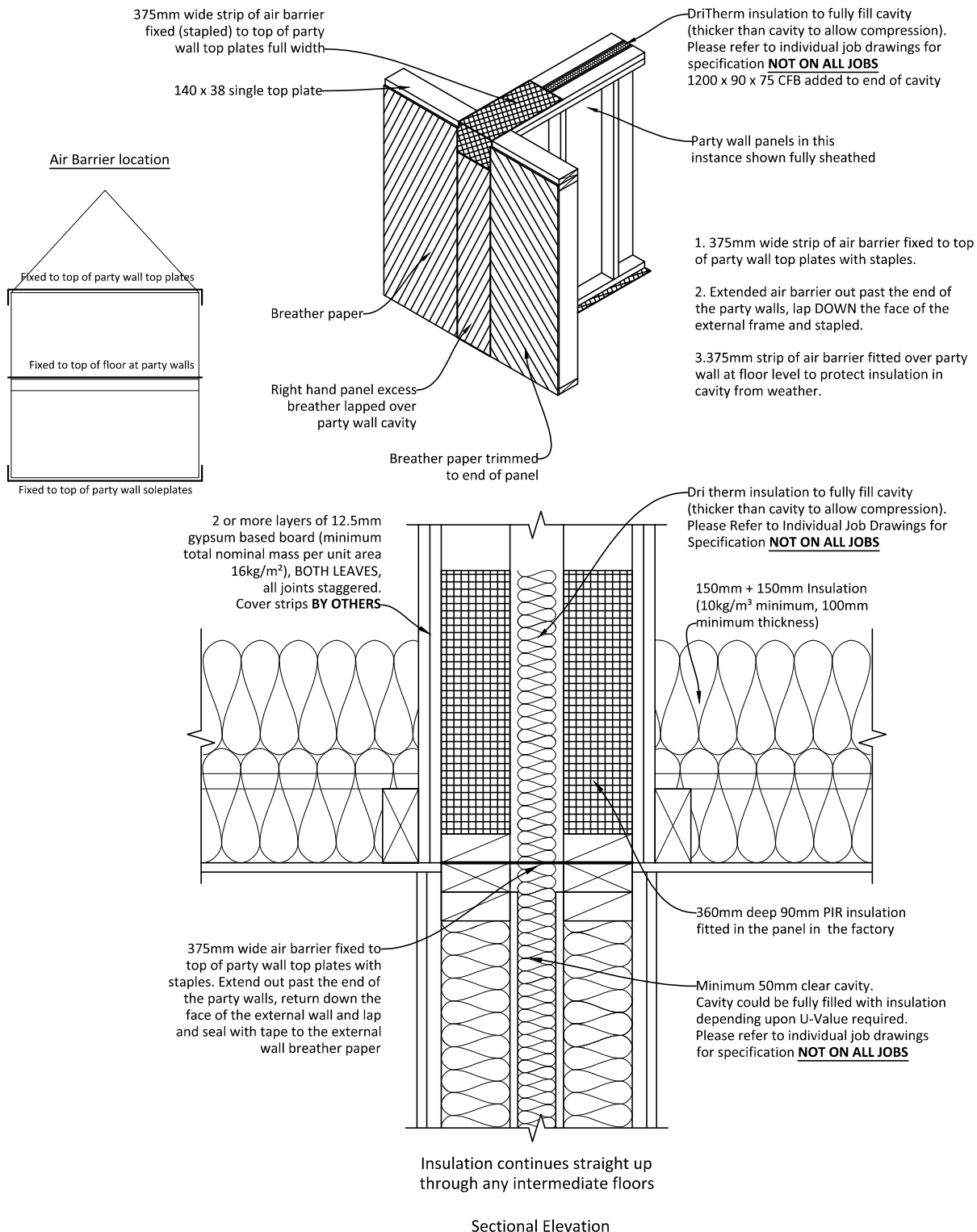
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# First floor (Top plate) Party wall cavity edge sealing detail

Cavity fire barriers removed for clarity



Note: Only figured dimensions to be worked from.

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## Party Wall U Value Pack

DETAILS:

## Standard Wall Details

TITLE:

## FLATS & HOUSES Party Wall Cavity Edge Sealing Detail - Top Plate

DETAIL No.

**SWD 24.2**

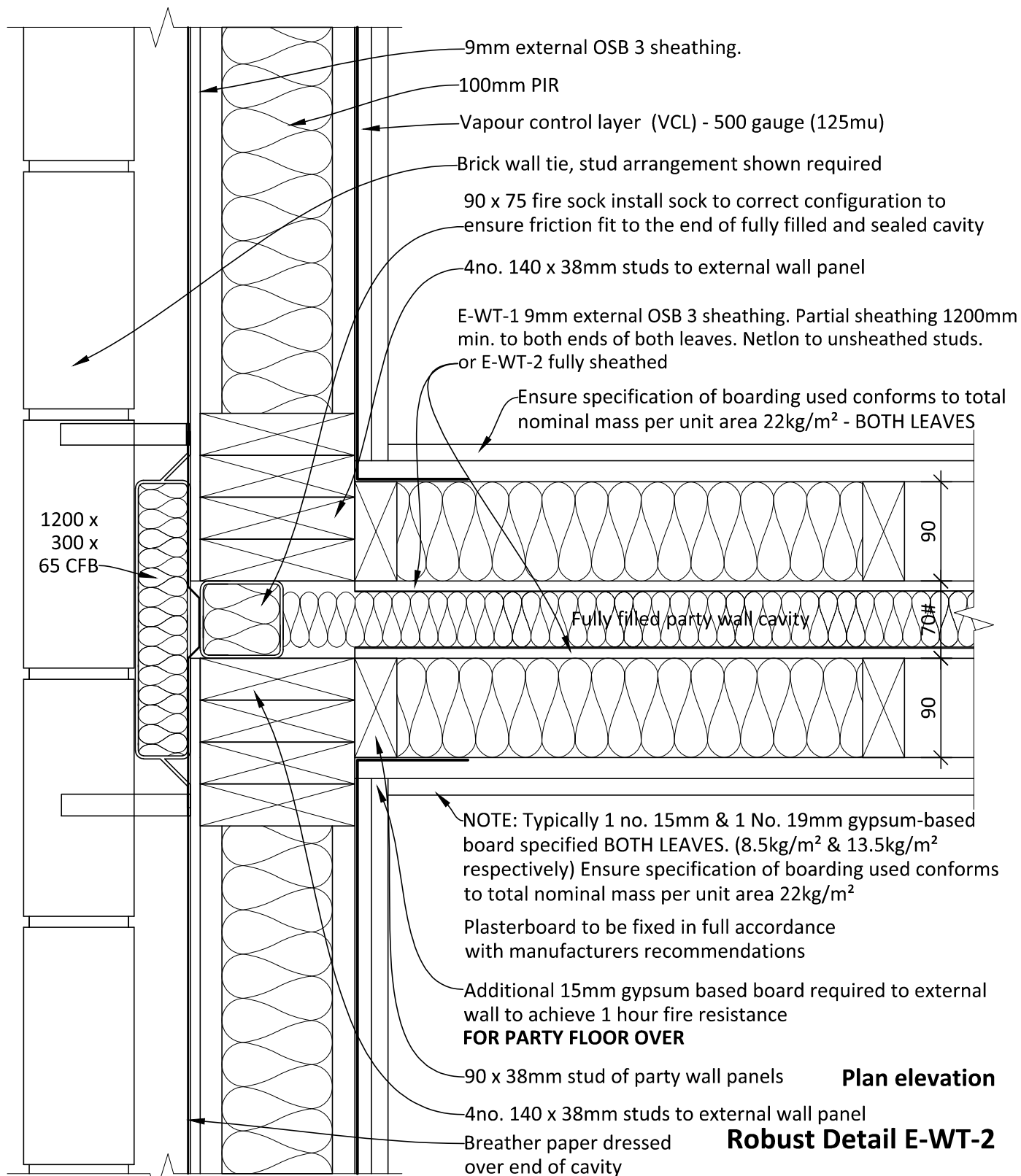
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CFB = Mineral Wool Fire Stop in polythene sleeve



Plan elevation

Plan elevation

**Robust Detail E-WT-2**

# A minimum 90mm cavity below DPC is recommended to Party Walls. If less than this Taylor Lane advise that a 50mm clear cavity between timber faces (whilst working to permissible construction tolerances) can be impractical.

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DETAILS:

Standard Wall Details

TITLE:

FLATS  
External Wall Junction

DETAIL No.

**SWD 25.0F**

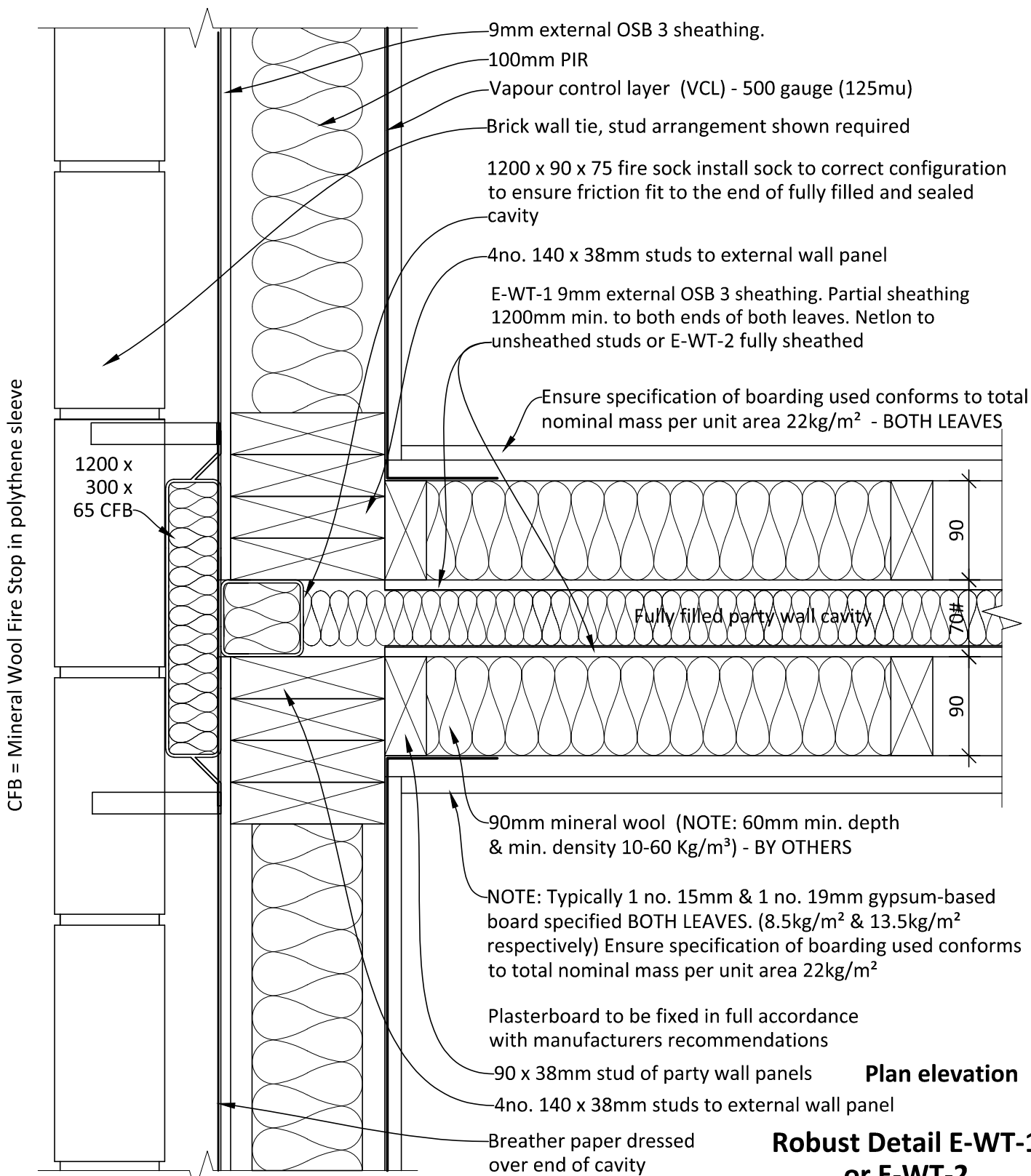
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Minimum periods of fire resistance: Houses up to 3 storeys - 30 minutes: Houses above 3 storeys - 60 minutes



# A minimum 90mm cavity below DPC is recommended to party walls. If less than this Taylor Lane advise that a 50mm clear cavity between timber faces (whilst working to permissible construction tolerances) can be impractical.

Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall Details

TITLE:

HOUSES  
External Wall Junction

DETAIL No.

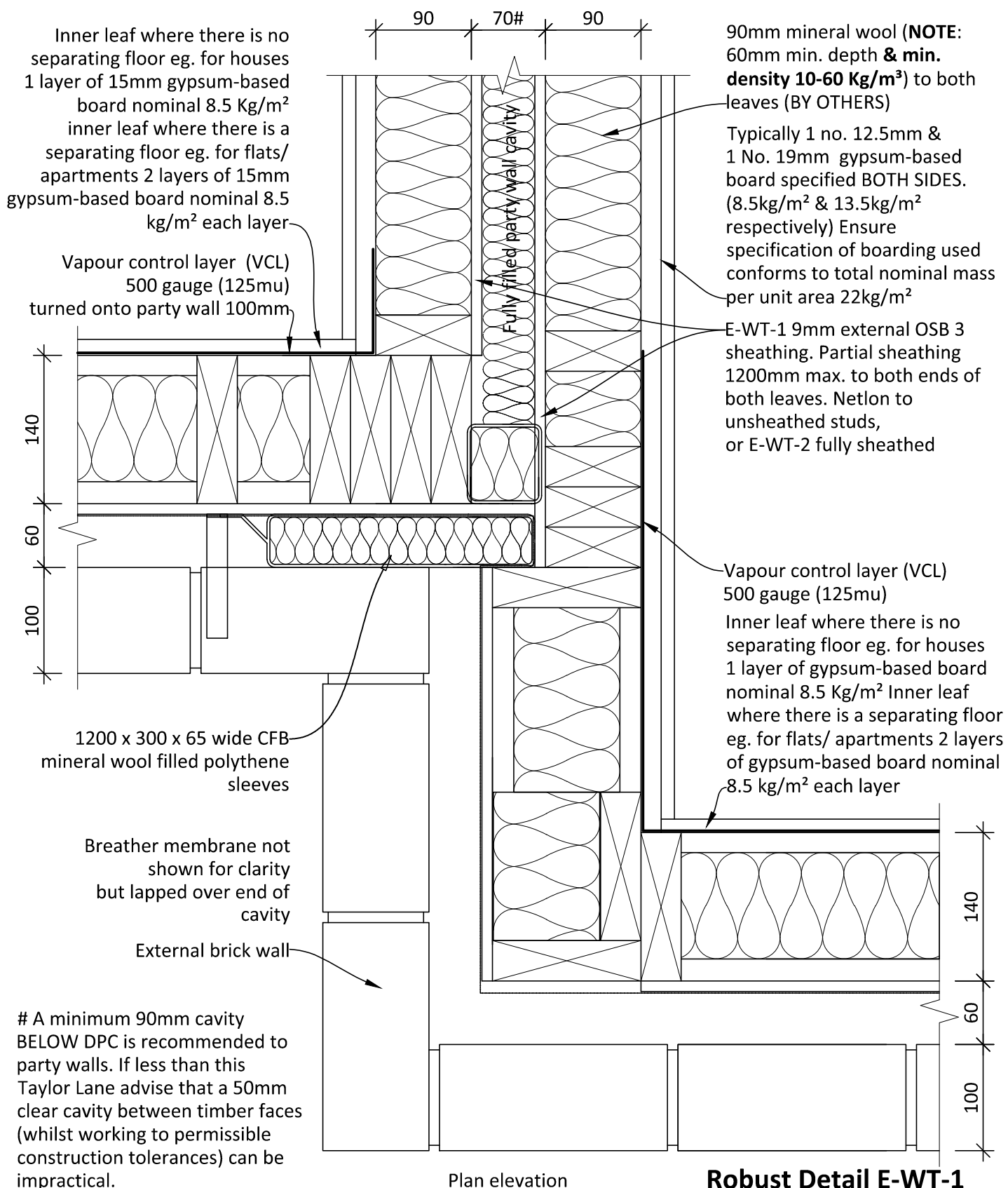
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DETAILS:

Standard Wall Details

TITLE:

Staggered Buildings  
Party Wall

DETAIL No.

**SWD 26.0**

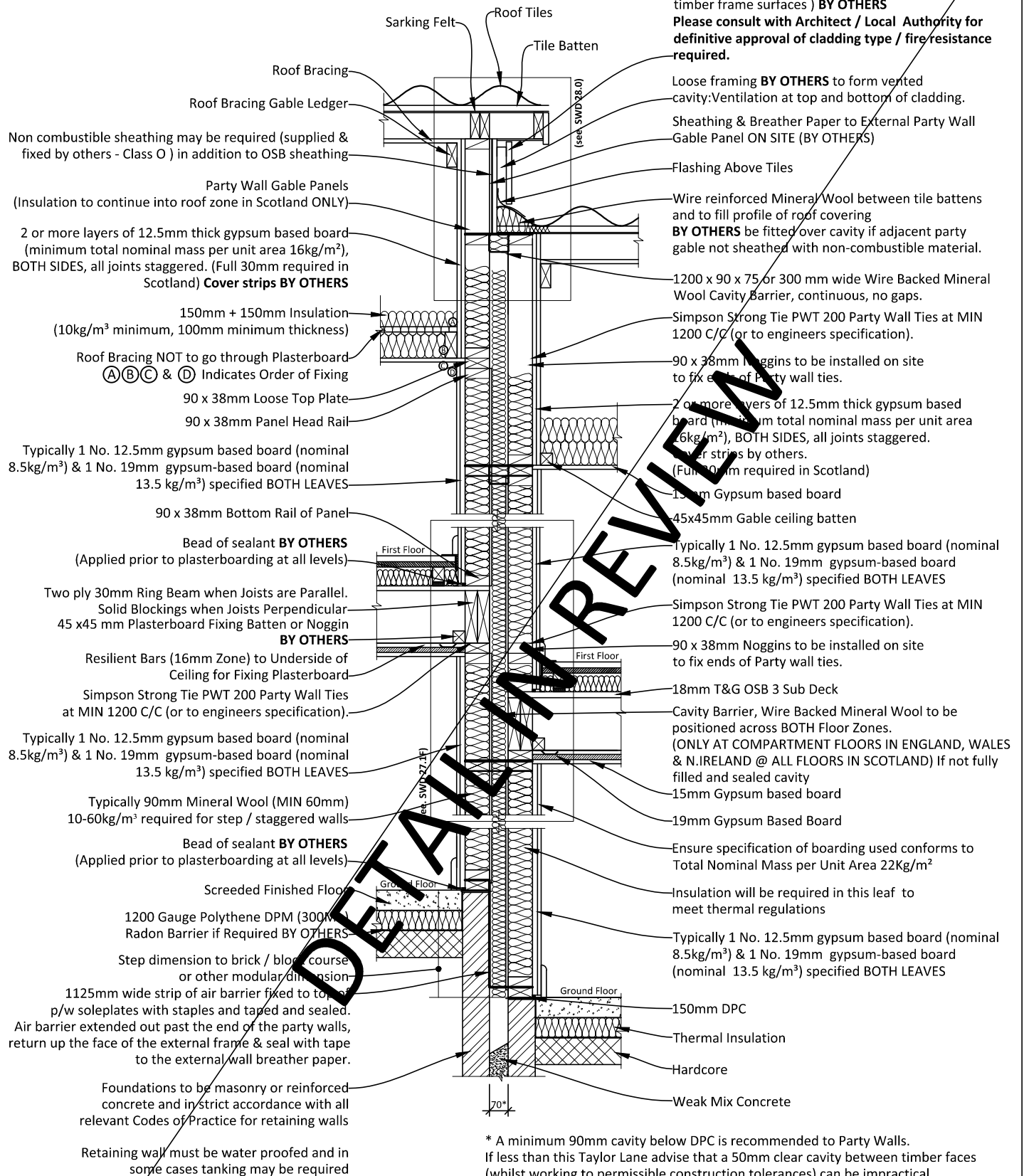
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## FLATS



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DETAILS:

**Standard Wall Details**

TITLE:

**FLATS**  
**Stepped Levels**

DETAIL No.

**SWD 27.0F**

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# HOUSES

Cladding (combustible cladding may be acceptable if non-combustible sheathing on adjacent external timber frame surfaces ) **BY OTHERS**  
Please consult with Architect / Local Authority for definitive approval of cladding type / fire resistance required.

Loose framing **BY OTHERS** to form vented cavity: Ventilation at top and bottom of cladding.  
Sheathing & Breather Paper to External Party Wall Gable Panel ON SITE (BY OTHERS)  
Flashing Above Tiles  
Wire reinforced Mineral Wool between tile battens and to fill profile of roof covering  
**BY OTHERS** be fitted over cavity if adjacent party gable not sheathed with non-combustible material.

1200 x 90 x 75 CFB or 300 mm wide Wire Backed Mineral Wool Cavity Barrier, continuous, no gaps.

Simpson Strong Tie PWT 200 Party Wall Ties at MIN 1200 C/C (or to engineers specification).

90 x 38mm Noggins to be installed on site to fix ends of Party wall ties.

2 or more layers of 12.5mm thick gypsum based board (minimum total nominal mass per unit area 16kg/m<sup>2</sup>), BOTH SIDES, all joints staggered. Cover strips by others.  
(Full 30mm required in Scotland)

15mm Gypsum based board  
45x45mm Gable ceiling batten

Typically 1 No. 12.5mm gypsum based board (nominal 8.5kg/m<sup>2</sup>) & 1 No. 19mm gypsum-based board (nominal 13.5 kg/m<sup>2</sup>) specified BOTH LEAVES

Simpson Strong Tie PWT 200 Party Wall Ties at MIN 1200 C/C (or to engineers specification).

90 x 38mm Noggins to be installed on site to fix ends of Party wall ties.

22mm T&G Chipboard (minimum density 15 Kg/m<sup>2</sup>)  
Fully filled and seal party wall

15mm Gypsum based board

19mm Gypsum Based Board

Ensure specification of boarding used conforms to Total Nominal Mass per Unit Area 22Kg/m<sup>2</sup>

Insulation will be required in this leaf to meet thermal regulations **BY OTHERS**

Typically 1 No. 12.5mm gypsum based board (nominal 8.5kg/m<sup>2</sup>) & 1 No. 19mm gypsum-based board (nominal 13.5 kg/m<sup>2</sup>) specified BOTH LEAVES

150mm DPC

Thermal Insulation

Hardcore

Weak Mix Concrete

\* A minimum 90mm cavity BELOW DPC is recommended to Party Walls. If less than this Taylor Lane advise that a 50mm clear cavity between timber faces (whilst working to permissible construction tolerances) can be impractical.

Roof Bracing  
Roof Bracing Gable Ledger  
Non combustible sheathing may be required (supplied & fixed by others - Class O ) in addition to OSB sheathing

Party Wall Gable Panels  
(Insulation to continue into roof zone in Scotland ONLY)

2 or more layers of 12.5mm thick gypsum based board (minimum total nominal mass per unit area 16kg/m<sup>2</sup>), BOTH SIDES, all joints staggered. (Full 30mm required in Scotland) **Cover strips BY OTHERS**

150mm + 150mm Insulation (10kg/m<sup>3</sup> minimum, 100mm minimum thickness)

Roof Bracing NOT to go through Plasterboard

(A)(B)(C) & (D) Indicates Order of Fixing

90 x 38mm Loose Top Plate

90 x 38mm Panel Head Rail

Wide strip of air barrier fixed to top of p/w top plates with staples and taped and sealed. Air barrier extended out past the end of the party walls, return up the face of the external frame & seal with tape to the external wall breather paper.

Typically 1 No. 12.5mm gypsum based board (nominal 8.5kg/m<sup>2</sup>) & 1 No. 19mm gypsum-based board (nominal 13.5 kg/m<sup>2</sup>) specified BOTH LEAVES

90 x 38mm Bottom Rail of Panel

Bead of sealant **BY OTHERS**  
(Applied prior to plasterboarding at all levels)

Two ply ring beam when joists are parallel. Solid blockings when joists perpendicular

45 x 45 mm Plasterboard Fixing Batten or Noggin

Resilient Bars (16mm Zone) to Underside of Ceiling for Fixing Plasterboard

Simpson Strong Tie PWT 200 Party Wall Ties at MIN 1200 C/C (or to engineers specification).

Typically 1 No. 12.5mm gypsum based board (nominal 8.5kg/m<sup>2</sup>) & 1 No. 19mm gypsum-based board (nominal 13.5 kg/m<sup>2</sup>) specified BOTH LEAVES

Typically 90mm Mineral Wool (MIN 60mm) 10-60kg/m<sup>3</sup> required for step / staggered walls **BY OTHERS**

Bead of sealant **BY OTHERS**  
(Applied prior to plasterboarding at all levels)

Screeded Finished Floor

1200 Gauge Polythene DPM (300µm) Radon Barrier if Required **BY OTHERS**

Step dimension to brick / block course or other modular dimension

Wide strip of air barrier fixed to top of p/w soleplates with staples and taped and sealed. Air barrier extended out past the end of the party walls, return up the face of the external frame & seal with tape to the external wall breather paper.

Foundations to be masonry or reinforced concrete and in strict accordance with all relevant Codes of Practice for retaining walls

Retaining wall must be water proofed and in some cases tanking may be required

Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall Details

TITLE:

HOUSES  
Stepped Levels

DETAIL No.

**SWD 27.0H**

REVISION.

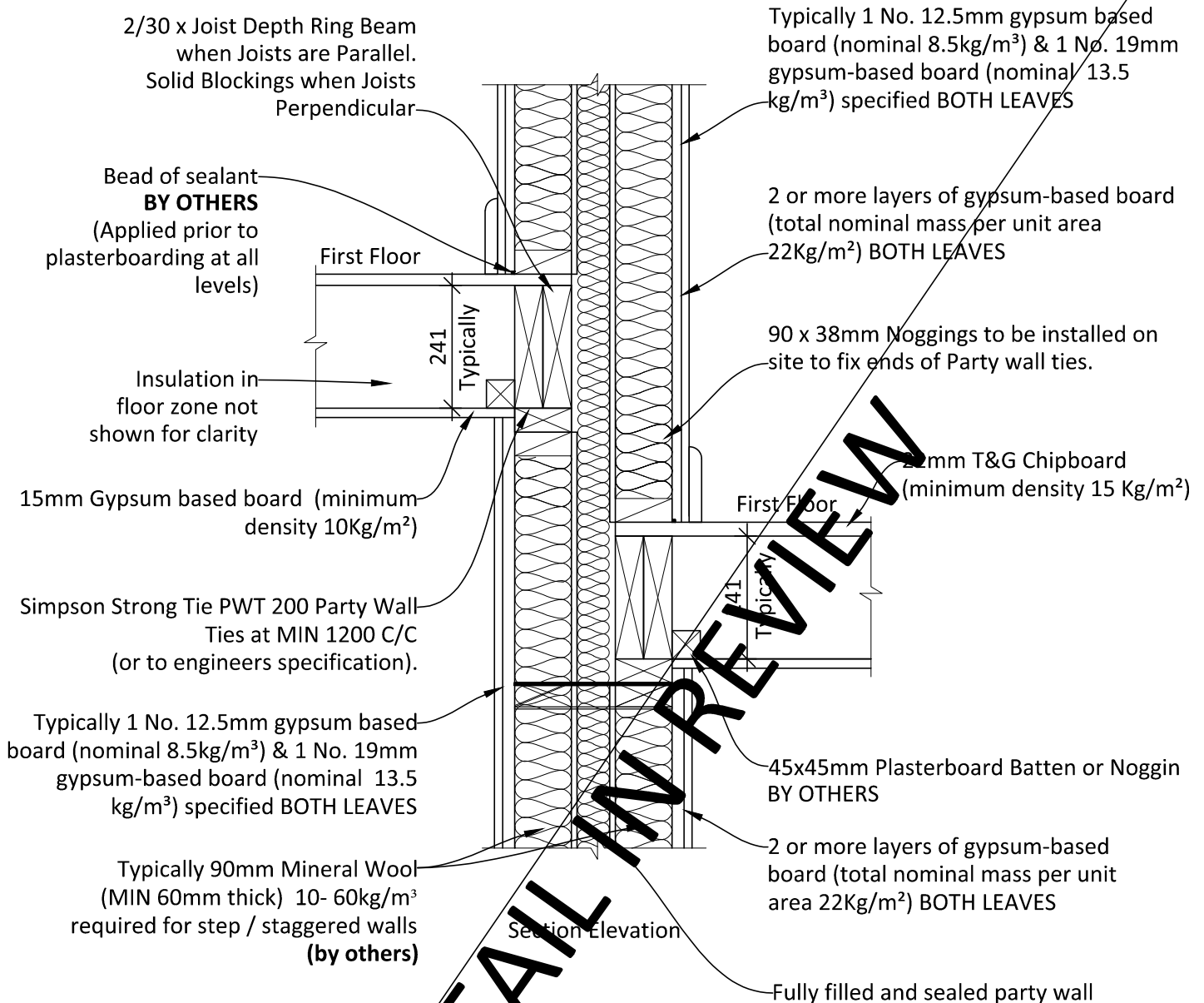
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## HOUSES



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DETAILS:

Standard Wall Details

TITLE:

HOUSES  
Stepped Floor Detail

DETAIL No.

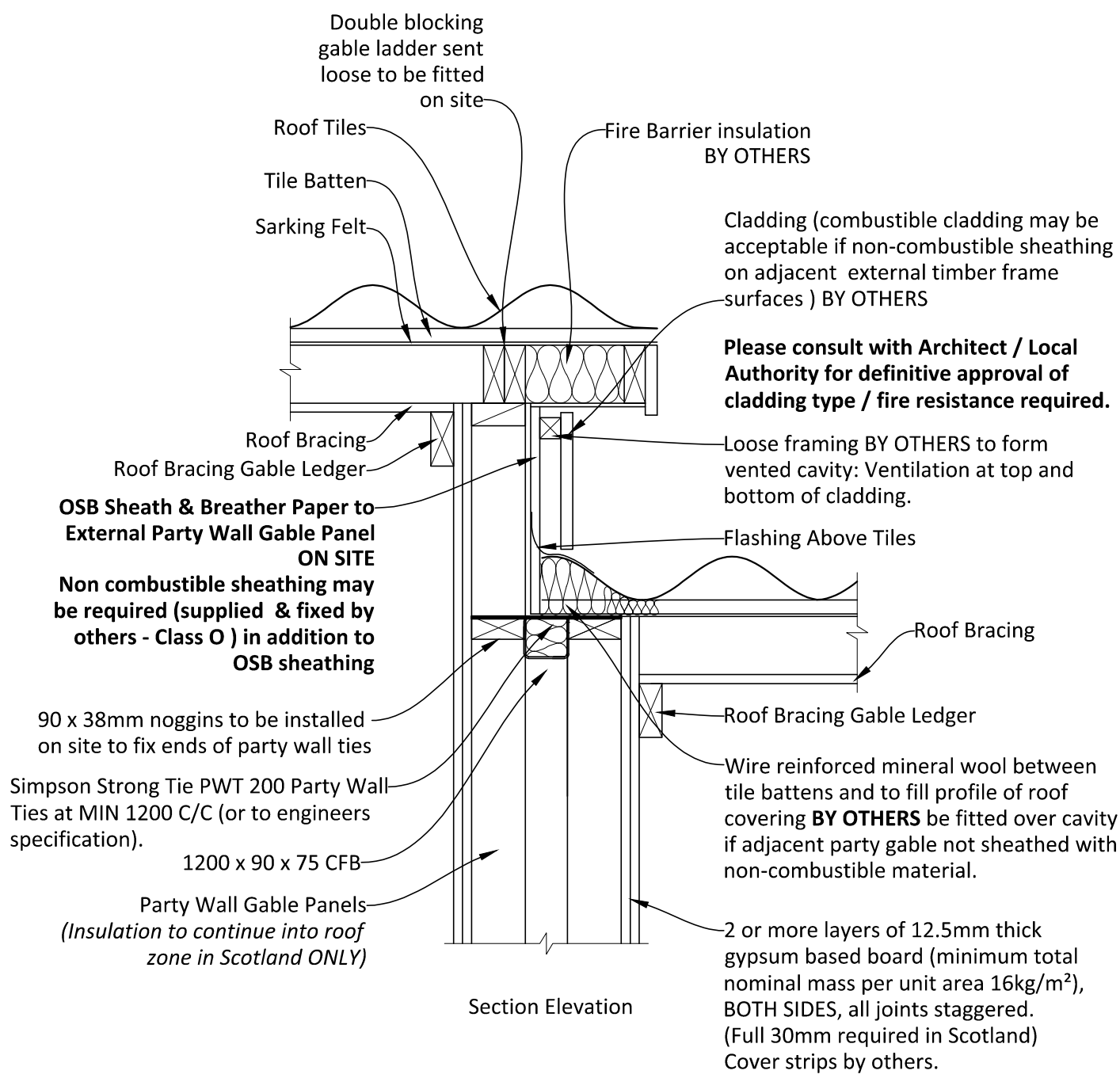
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Jan. 2021



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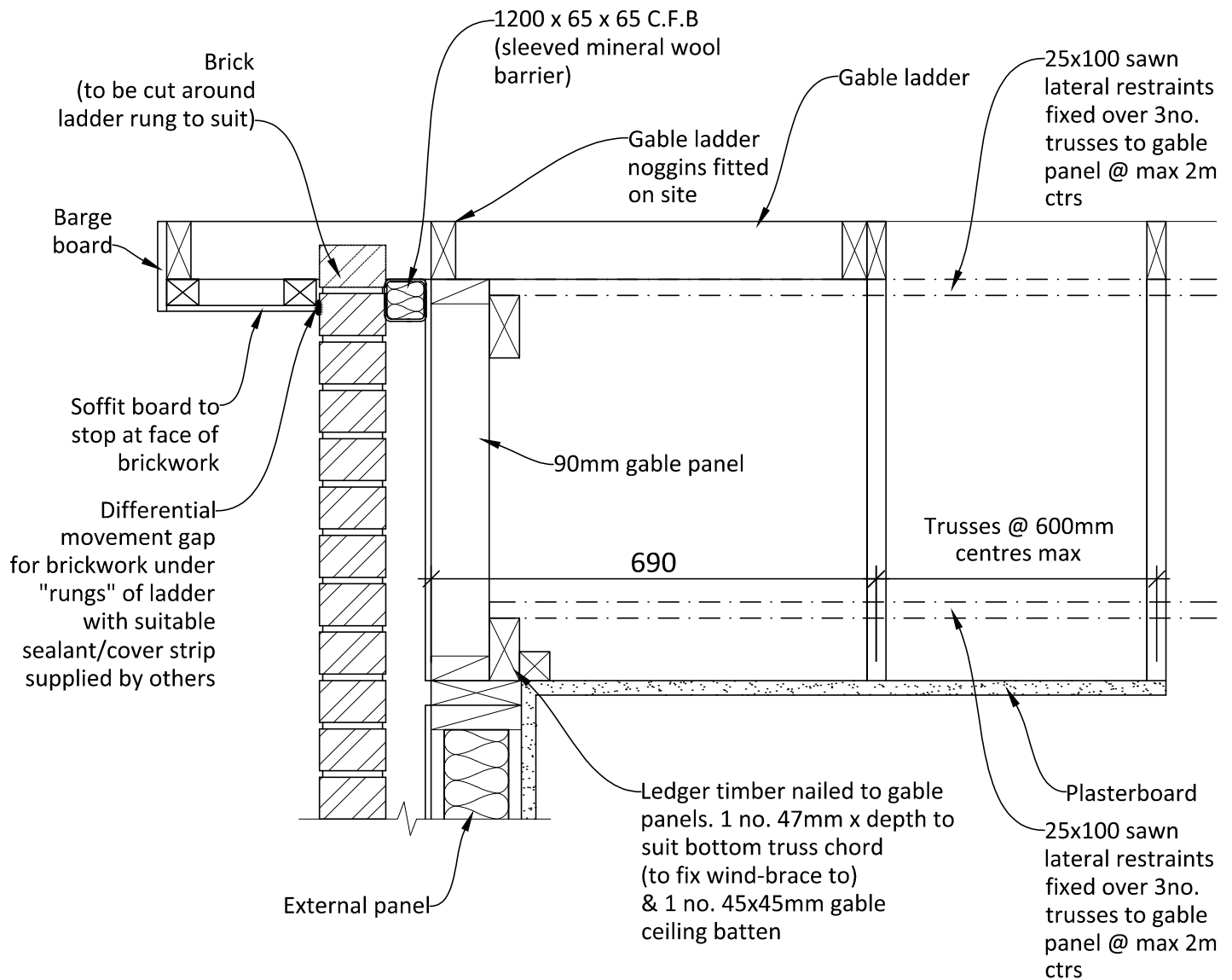
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DETAILS:			Standard Wall Details		
TITLE:			Stepped Level Buildings External Panel Detail		
DETAIL No.		REVISION.		DATE ISSUED.	
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DETAILS:

**Standard Wall Details**

TITLE:

**Typical Gable Ladder  
Section**

DETAIL No.

**SWD 29.0**

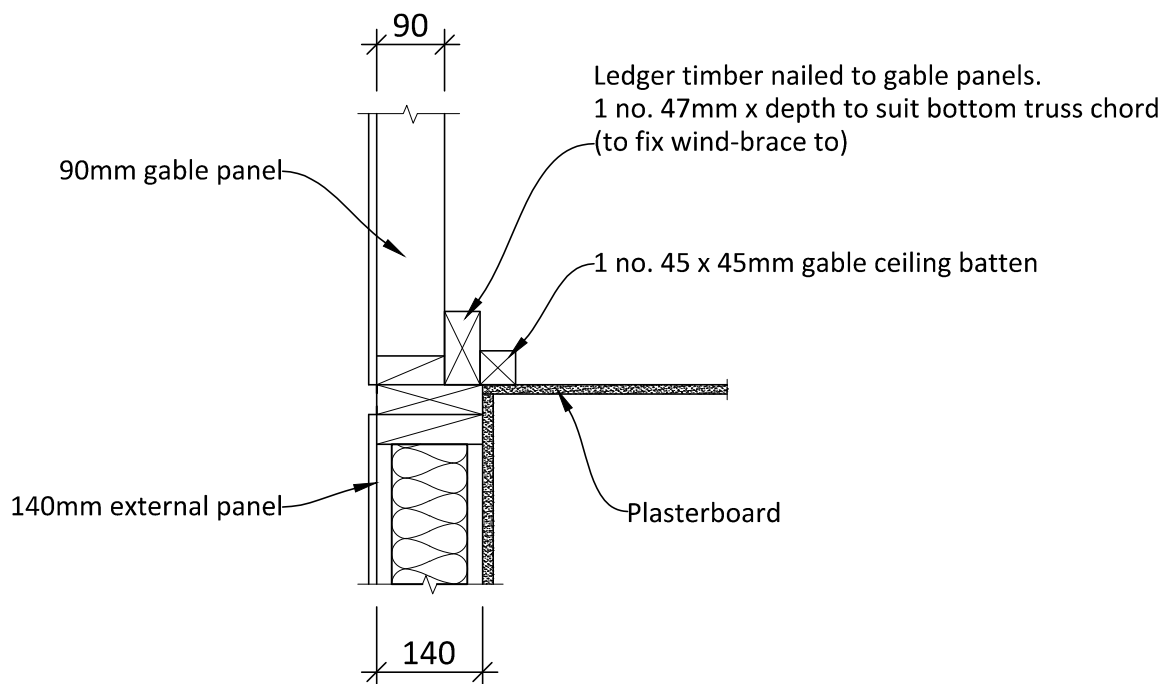
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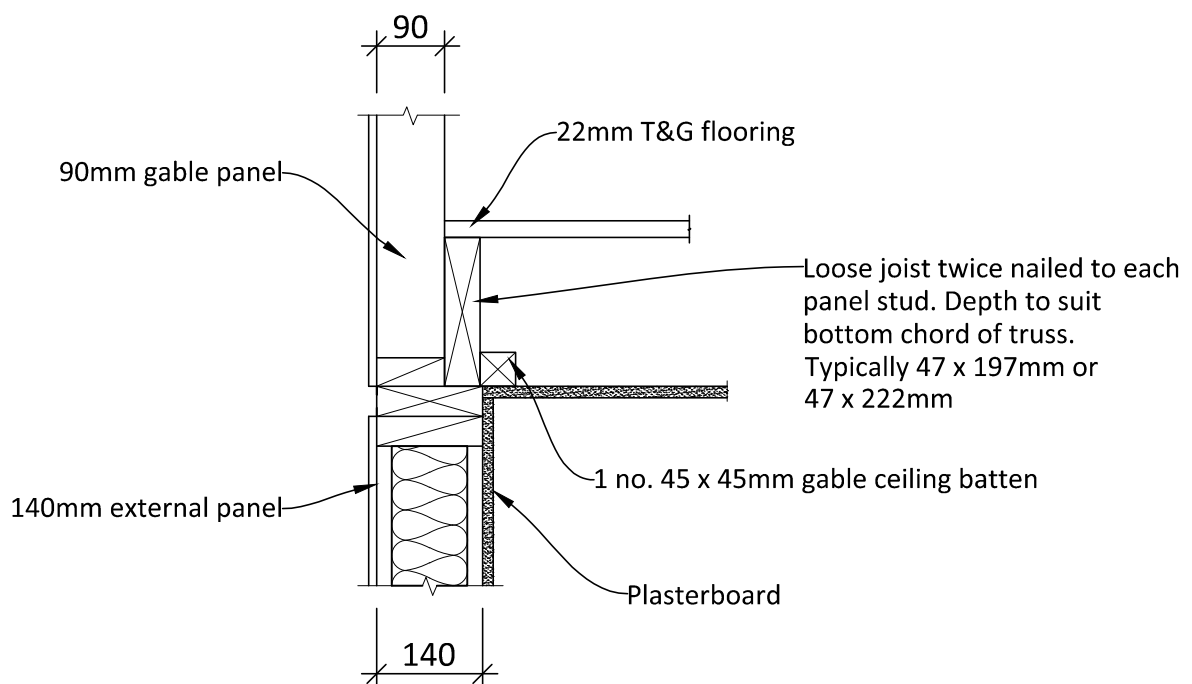
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## Standard truss (NO room in roof space construction)



## Attic storage truss ONLY (NO room in roof space construction)



Note: Only figured dimensions to be worked from.

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DETAILS:

**Standard Wall Details**

TITLE:

**Attic Storage Only (External)  
Gable Panel Ceiling Junctions**

DETAIL No.

**SWD 29.1**

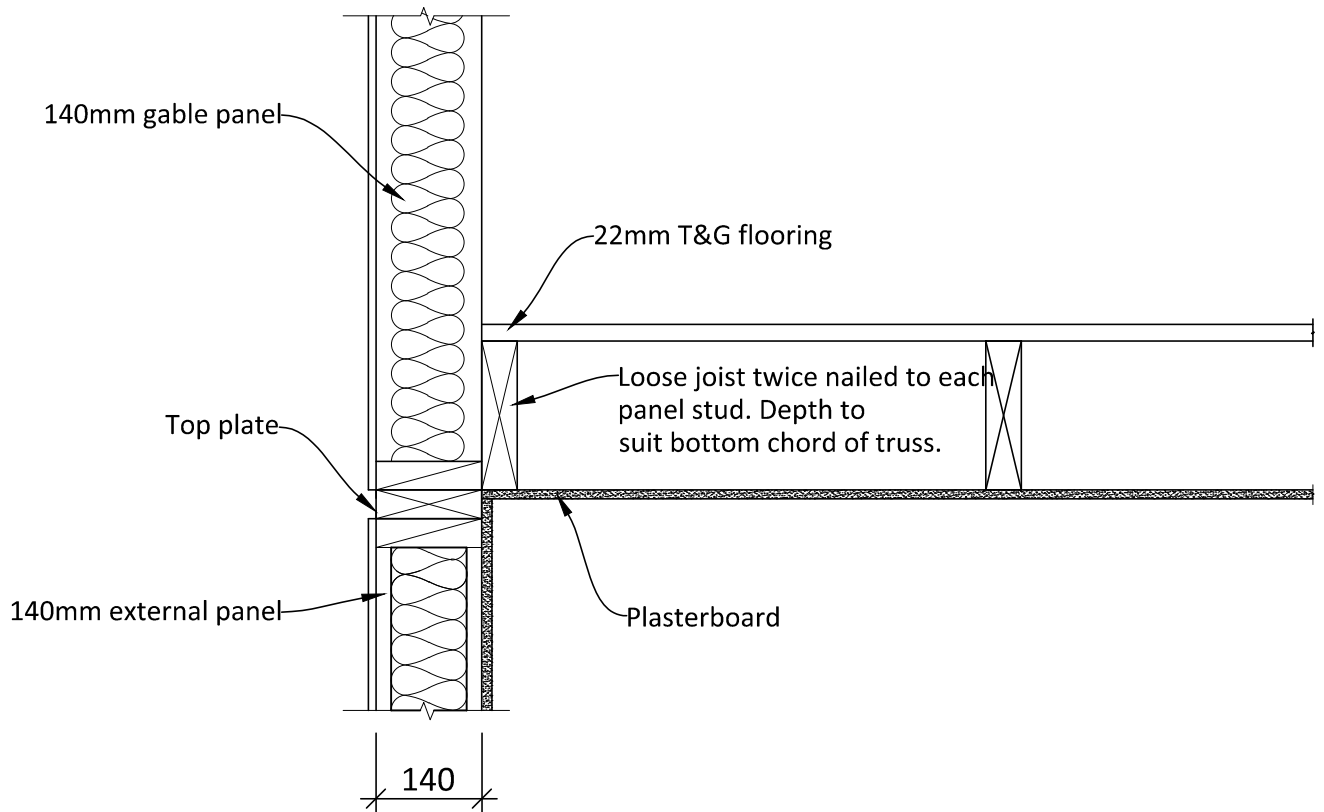
REVISION.

**D**

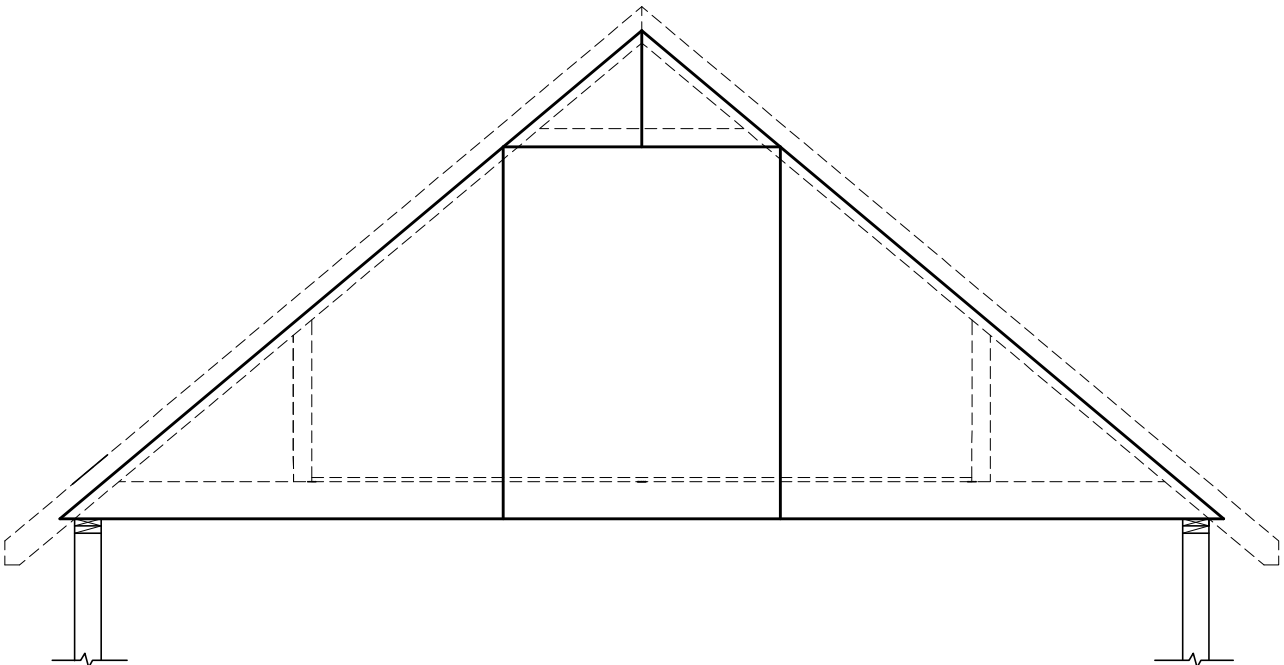
DATE ISSUED.

**Jan. 2021**

### Attic truss gable ceiling junction (external wall)



### Typical gable panel arrangement (external wall)



Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall Details

TITLE:

Attic (External)  
Gable Panel Ceiling Junction

DETAIL No.

**SWD 29.2**

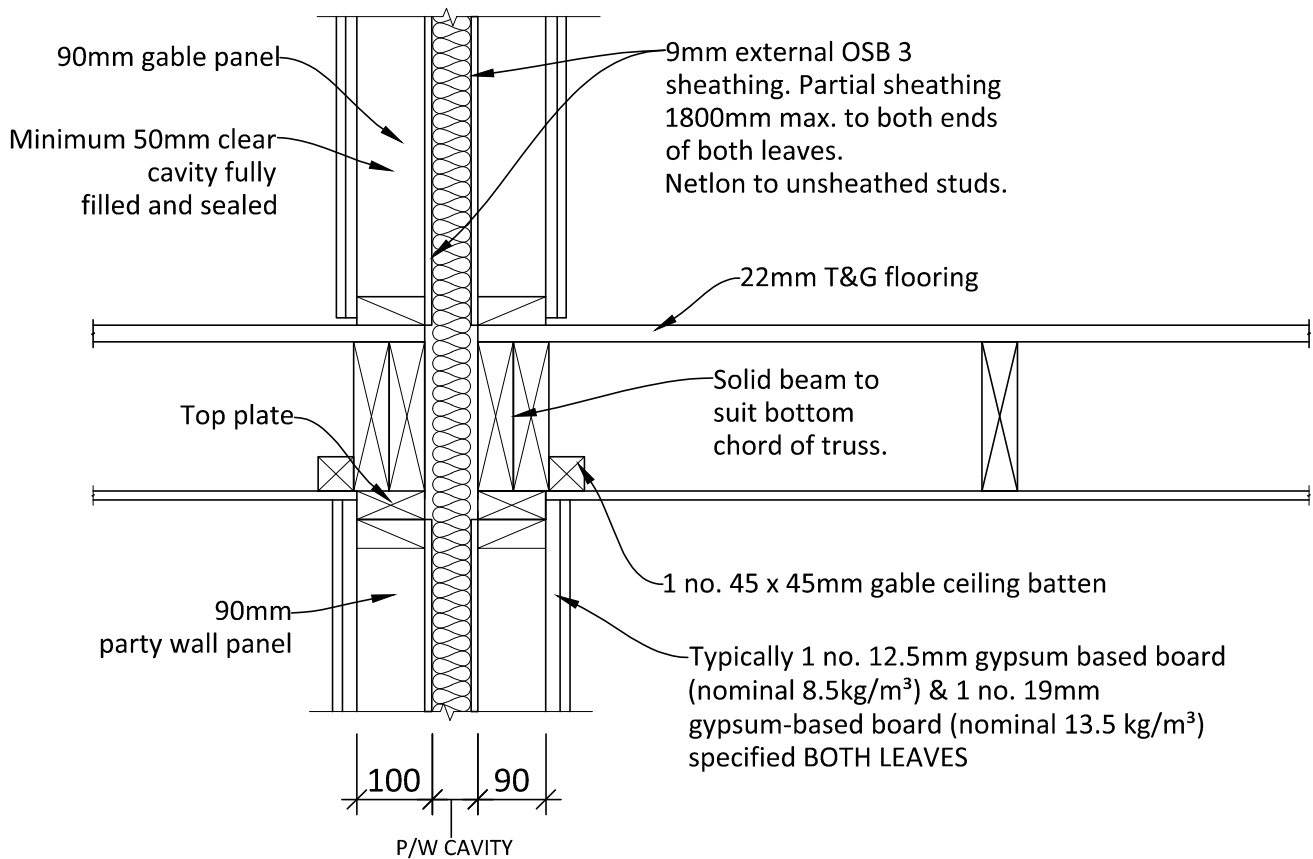
REVISION.

**B**

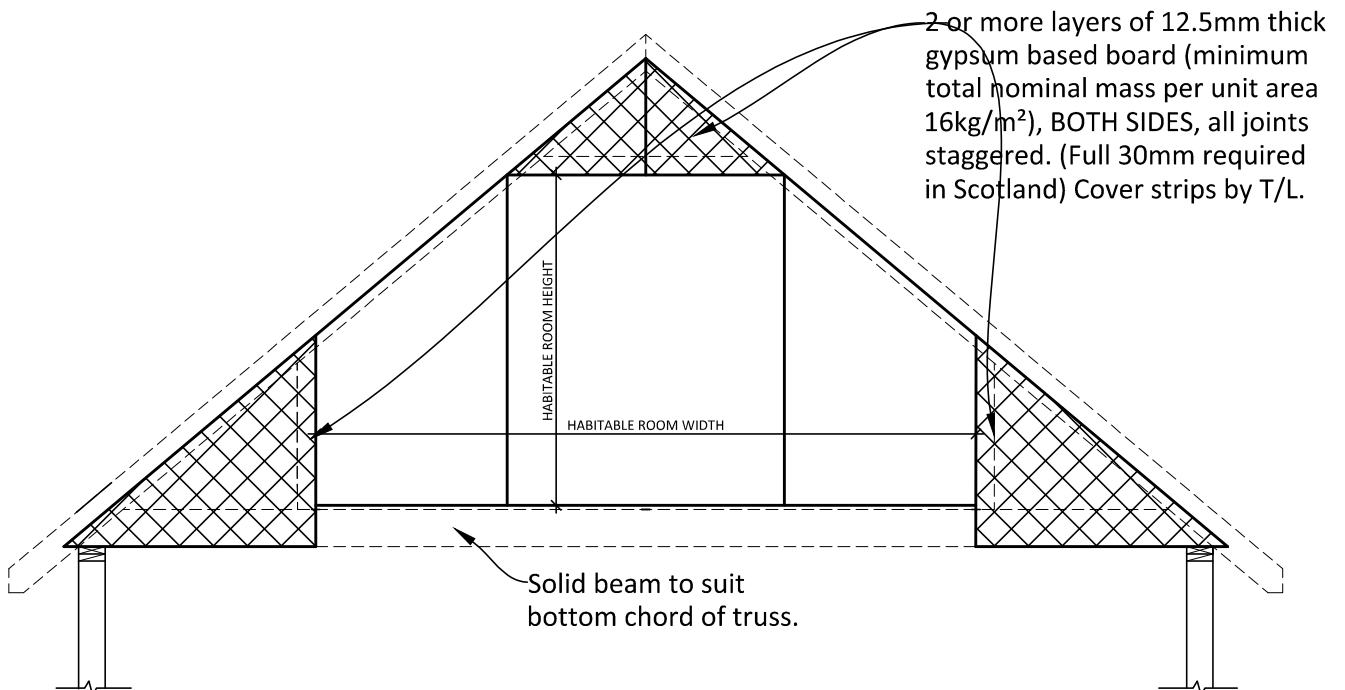
DATE ISSUED.

Jan. 2021

### Attic truss gable ceiling junction (party wall)



### Typical gable panel arrangement (party wall)



Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall Details

TITLE:

Attic (Party Wall)  
Gable Panel Ceiling Junctions

DETAIL No.

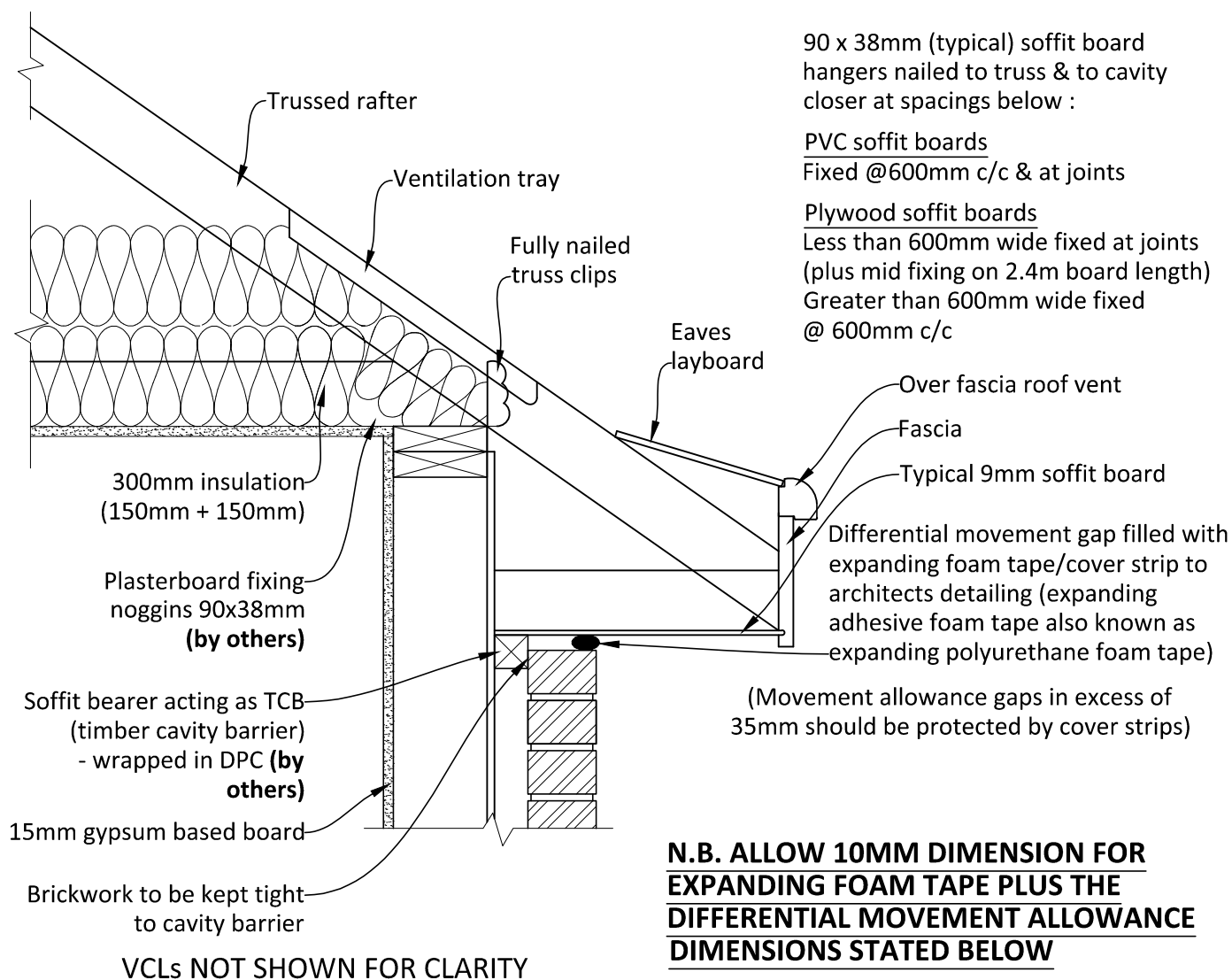
**SWD 29.3**

REVISION.

**B**

DATE ISSUED.

Jan. 2021



**PLEASE REFER TO UKTFA DIFFERENTIAL MOVEMENT IN PLATFORM TIMBER FRAME MAY 2008 GUIDANCE DOCUMENT & NHBC STANDARDS 2008 FOR JUNCTION DETAILING TO ACCOMMODATE DIFFERENTIAL MOVEMENT**

#### DIFFERENTIAL MOVEMENT AT SOFFIT LEVEL TO TRADA RECOMMENDATIONS

<p>SINGLE STOREY</p> <p>TWO STOREY</p> <p>THREE STOREY</p> <p>FURTHER STOREYS</p>	<p>SOLID TIMBER SUPER-DRY JOISTS (@ ~ 12% MC) OR ENGINEERED TIMBER JOISTS <b>(CONCRETE GROUND FLOOR)</b></p> <p>5 mm</p> <p>10 mm</p> <p>25 mm</p> <p>ADD 7 mm Extra Per Storey</p> <p><b>(N.B. WHEN SUPER-DRY TIMBER OR ENGINEERED PLATFORM FRAME GROUND FLOOR IS USED ADD 3-4 MM TO THE FIGURES QUOTED ABOVE)</b></p>	
---	---	--

Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall Details

TITLE:

Typical Overhang Over Brickwork

DETAIL No.

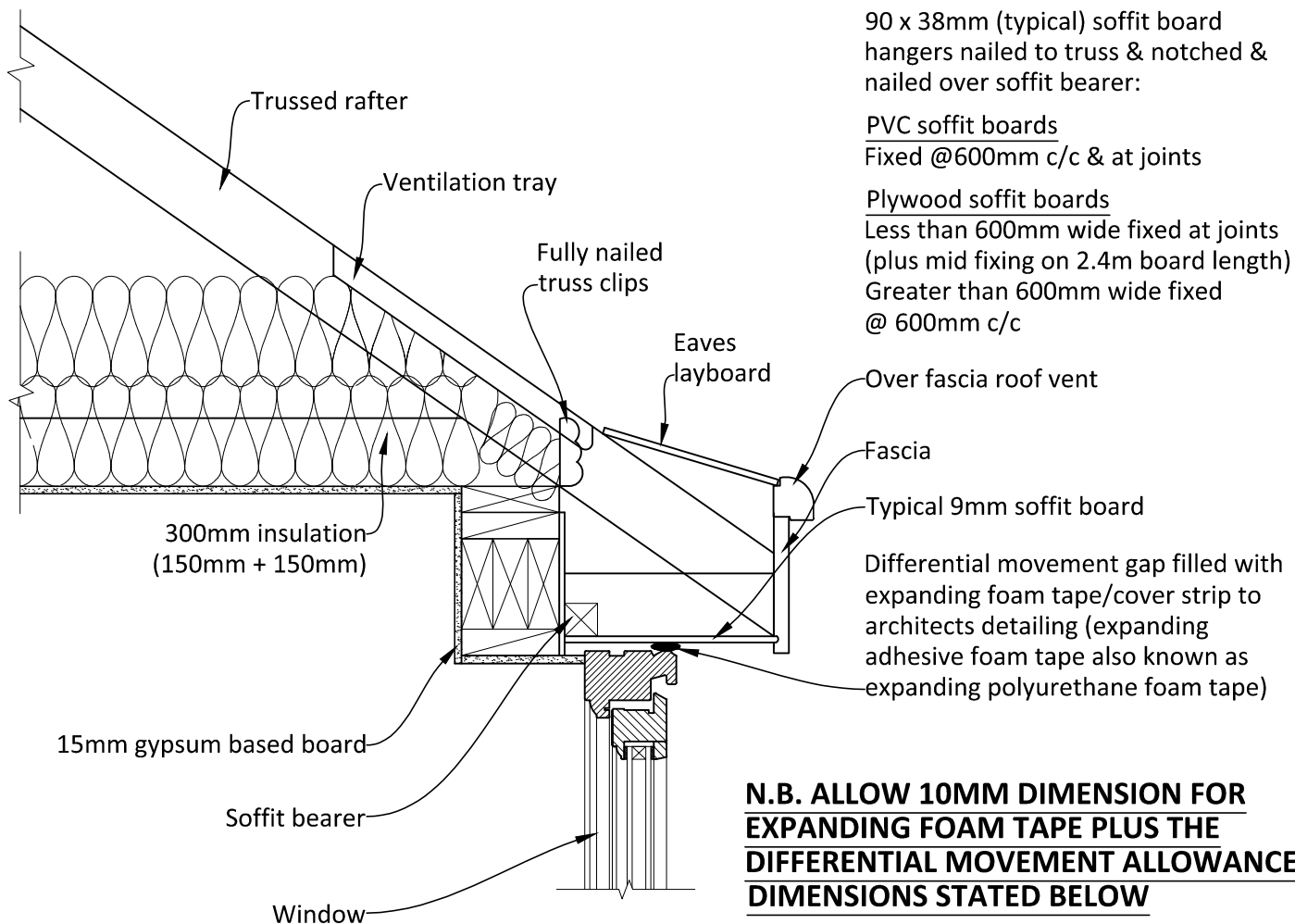
**SWD 30.0**

REVISION:

**D**

DATE ISSUED:

Jan. 2021



VCLs NOT SHOWN FOR CLARITY

**PLEASE REFER TO UKTFA DIFFERENTIAL MOVEMENT IN PLATFORM TIMBER FRAME  
MAY 2008 GUIDANCE DOCUMENT & NHBC STANDARDS 2008  
FOR JUNCTION DETAILING TO ACCOMMODATE DIFFERENTIAL MOVEMENT**

#### DIFFERENTIAL MOVEMENT AT SOFFIT LEVEL TO TRADA RECOMMENDATIONS

<p>SINGLE STOREY</p> <p>TWO STOREY</p> <p>THREE STOREY</p> <p>FURTHER STOREYS</p>	<p>SOLID TIMBER SUPER-DRY JOISTS (@ ~ 12% MC) OR ENGINEERED TIMBER JOISTS (<u>CONCRETE GROUND FLOOR</u>)</p> <p>5 mm</p> <p>10 mm</p> <p>25 mm</p> <p>ADD 7 mm Extra Per Storey</p> <p>(N.B. WHEN SUPER-DRY TIMBER OR ENGINEERED PLATFORM FRAME GROUND FLOOR IS USED ADD 3-4 MM TO THE FIGURES QUOTED ABOVE)</p>	
---	--	--

Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall Details

TITLE:

Typical Overhang Over Window  
(Soffit at Head of Window)

DETAIL No.

**SWD 30.1**

REVISION.

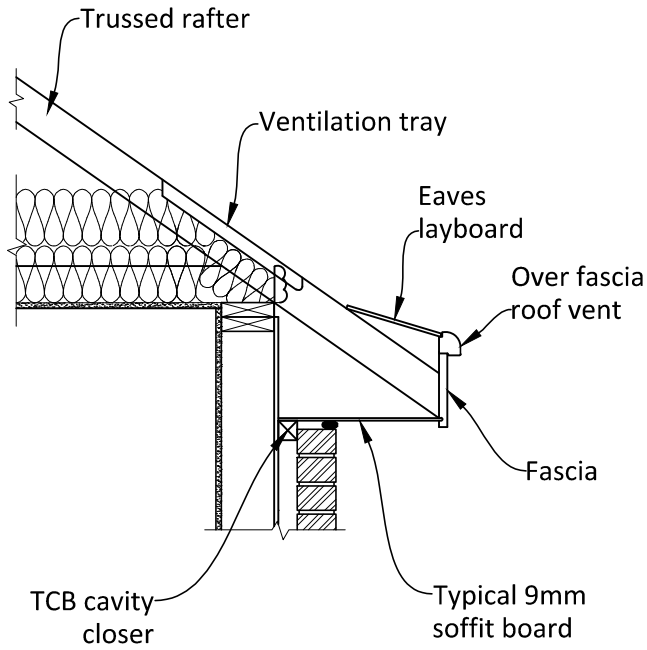
**C**

DATE ISSUED.

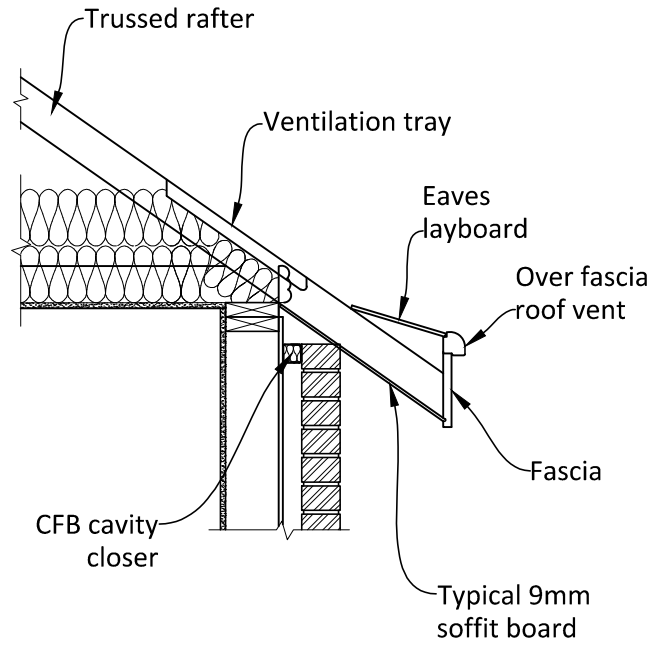
Jan. 2021



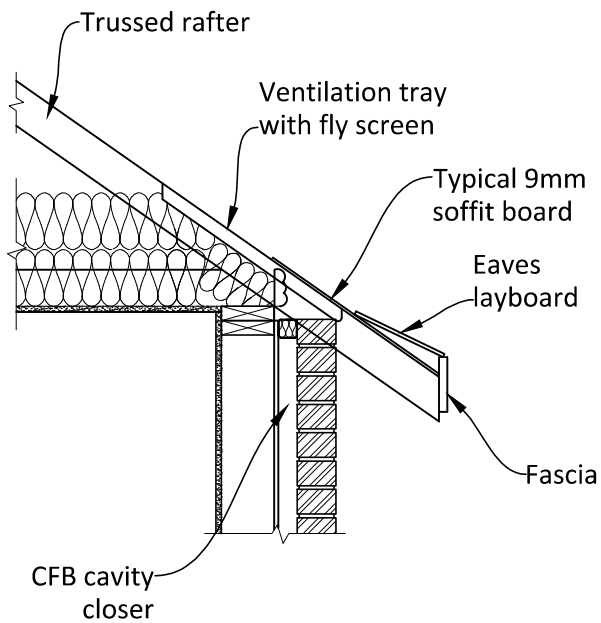
Typical Flat Soffit



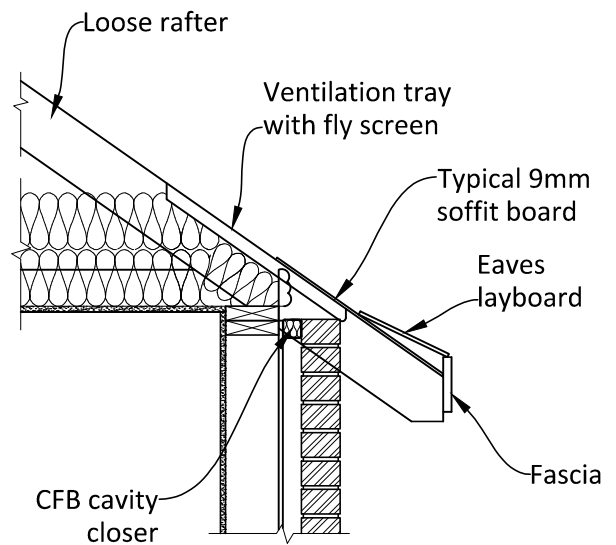
Typical Sloping Soffit



Typical Exposed Open Eaves



Typical Exposed Open Eaves with Rafter Feet



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DETAILS:

Standard Wall Details

TITLE:

Typical Overhang Details

DETAIL No.

**SWD 30.2**

REVISION.

**C**

DATE ISSUED.

Jan. 2021

Plasterboard to be fixed in full accordance with manufacturers recommendations

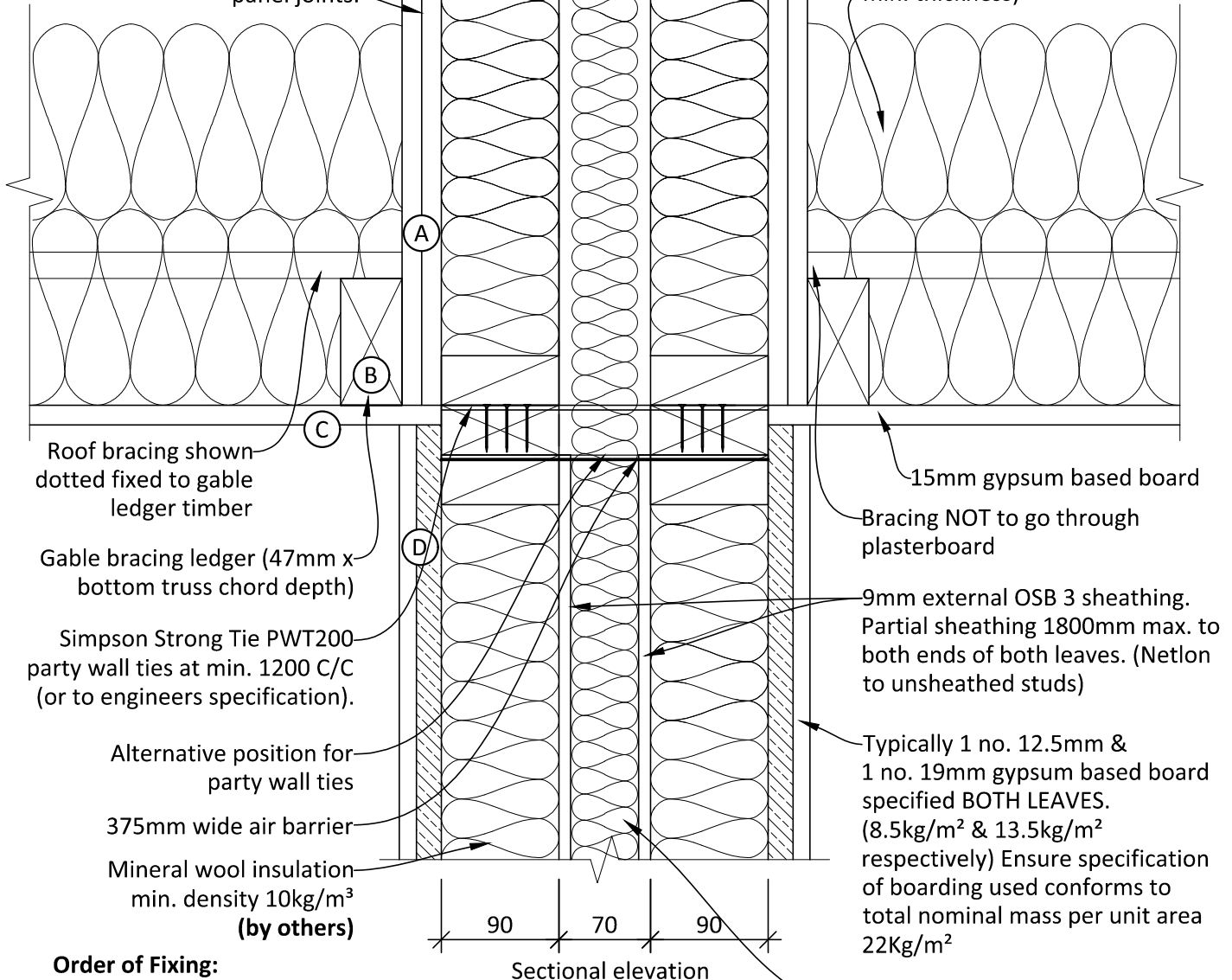
2 or more layers of 12.5mm gypsum based board (minimum total nominal mass per unit area  $16\text{kg/m}^2$ ), BOTH LEAVES, all joints staggered.  
150mm wide cover strips to panel joints.

Dritherm 300mm deep

Note: Trusses either side of party wall NOT shown for clarity

Party wall gable panels with minimum 300mm of vertical insulation to base of studs

150mm + 150mm insulation ( $10\text{kg/m}^3$  min. & 100mm min. thickness)



#### Order of Fixing:

- (A) 2 no. layers of 12.5mm gypsum based board in roof space
- (B) Gable bracing ledger bottom truss chord depth x 47mm
- (C) 12.5mm ceiling gypsum based board
- (D) 19mm gypsum based board with 12.5mm gypsum based board

#### Robust Detail EWT-1.8

Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall Details

TITLE:

FLATS & HOUSES  
Ceiling Junction

DETAIL No.

**SWD 31.0**

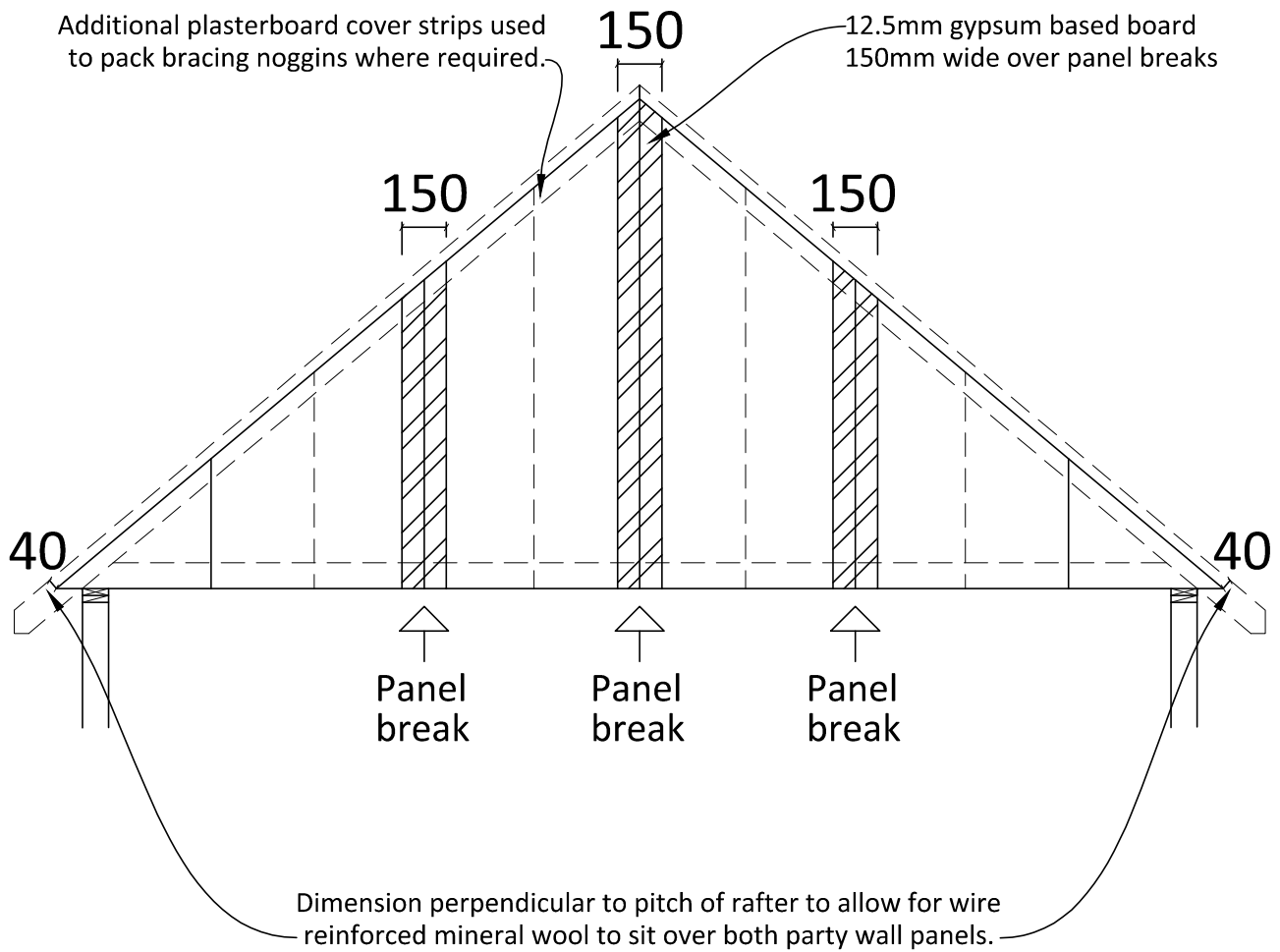
REVISION.

**E**

DATE ISSUED.

Jan. 2021

Plasterboard to be fixed @ 150mm centres in to centre of stud with 75mm nail, 2 or more layers of 12.5mm gypsum based board (minimum total nominal mass per unit area 16kg/m<sup>2</sup>), all joints staggered. 150mm wide cover strips to panel joints.



**Robust Detail EWT-1.8**

Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall Details

TITLE:

FLATS & HOUSES  
Plasterboard Party Wall Gable

DETAIL No.

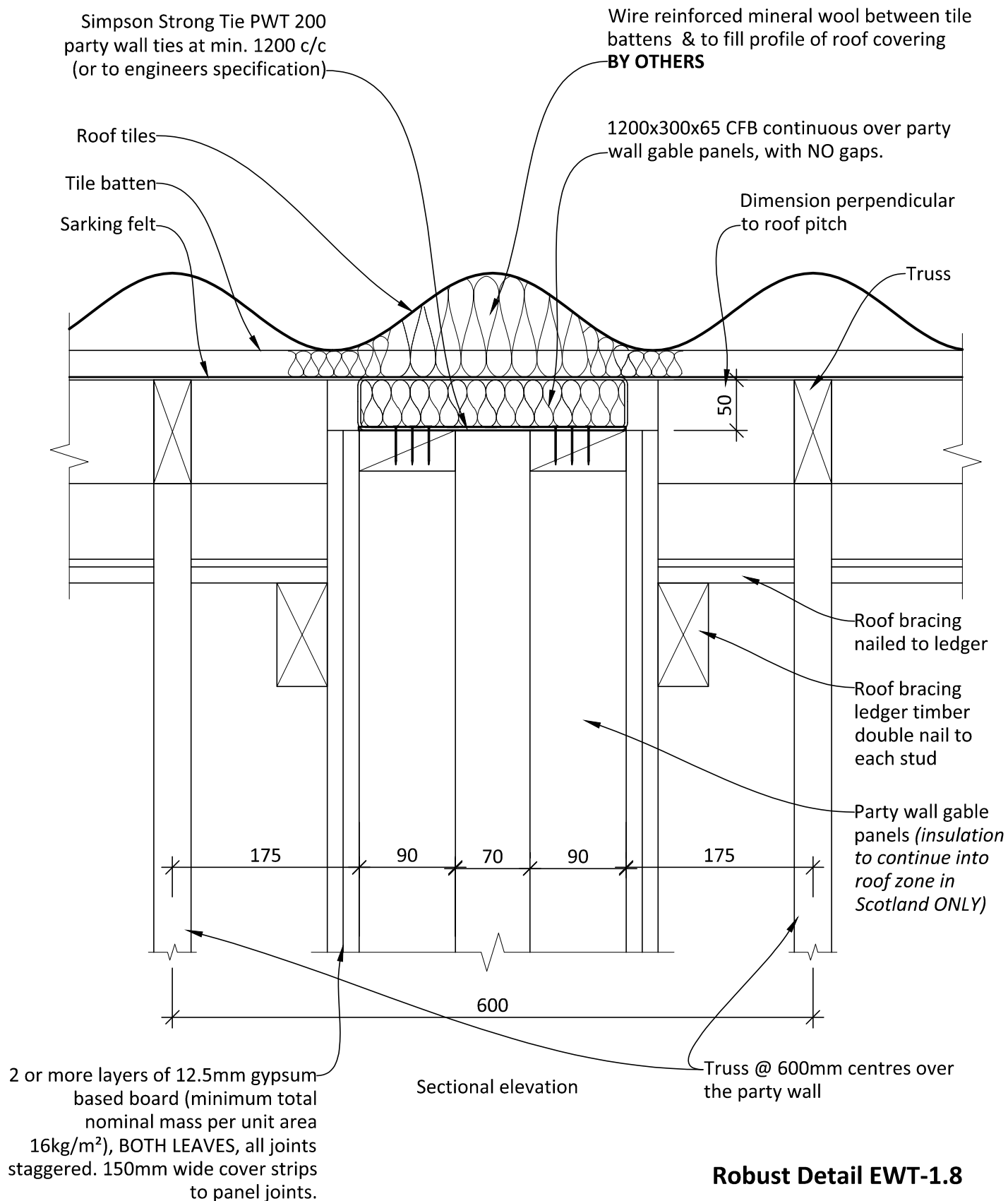
**SWD 31.1**

REVISION:

**C**

DATE ISSUED:

Jan. 2021



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DETAILS:

Standard Wall Details

TITLE:

FLATS & HOUSES  
Roof Junction

DETAIL No.

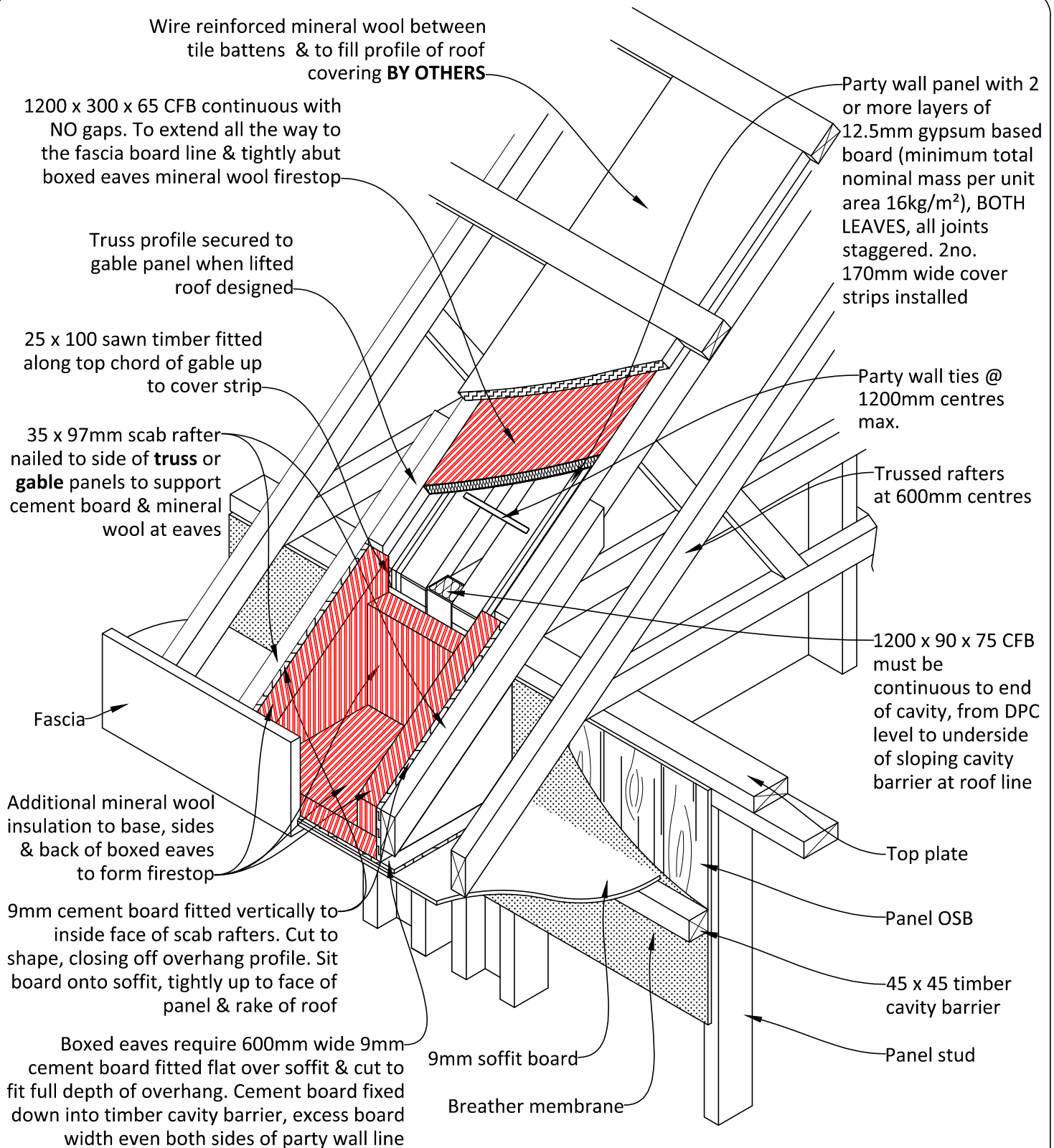
**SWD 32.0**

REVISION.

**E**

DATE ISSUED.

Jan. 2021



Builder to fix mineral wool quilt over top edge of party wall to fill profile of roof covering allowing sufficient at eaves overhang to form firebreak.

Taylor Lane to form firestop of non-combustible cement board and mineral wool within triangular boxed eaves bridging the party wall **ONLY** if fascia and soffit supply and fit.

Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall Details

TITLE:

Roof & Eaves

DETAIL No.

**SWD 33.0**

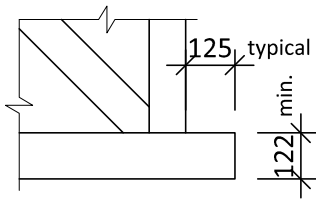
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**F**

DATE ISSUED.

May. 2021

Typical horn detail of trussed rafter (for specific sizes consult roof truss manufacturer)



Ventilation **BY OTHERS**  
through roof NOT ridge vent!

Timber fillets nailed to top of party wall panel with 35x122mm timber blockings (70mm cavity) nailed to back of fillets. Note: fillet shape is pitch dependant!

Double panel rail  
(factory fitted)

Wire reinforced mineral wool between tile battens & to fill profile of roof covering **BY OTHERS**

2 or more layers of 12.5mm gypsum based board (minimum total nominal mass per unit area 16kg/m<sup>2</sup>), BOTH LEAVES, all joints staggered & cover strips installed

Tile battens **by roof contractor**

38x90mm binder plate sits on top of blocking pieces/horns of the trusses

Party wall panels (insulation to continue into roof zone in Scotland only)

Two vertical blocking members between truss horns

300mm Dritherm

Plasterboard cover strips on site **BY OTHERS**

150 + 150mm insulation (10kg/m<sup>3</sup> min. & 100mm min. thickness)

Trussed rafter (mono) with horn built into party wall and supported on head binder

Bottom chord depth on mono trusses may vary. Please consult roof truss designer for specific depths min. 122mm

15mm gypsum based board on ceiling

45x45mm plasterboard noggin **BY OTHERS**

9mm external OSB 3 sheathing. Partial sheathing 1800mm max. to both ends of both leaves. Netlon to unsheathed panels.

Simpson Strong Tie PWT 200 Party wall ties at min. 1200 C/C (or to engineers specification).

Typically 1 no. 12.5mm & 1 no. 19mm gypsum-based board specified BOTH LEAVES. (8.5kg/m<sup>2</sup> & 13.5kg/m<sup>2</sup> respectively) Ensure specification of boarding used conforms to total nominal mass per unit area 22kg/m<sup>2</sup>

Head binder and top rail protect horn from below

Sectional elevation

Alternative position for party wall ties

375mm wide air barrier

Fully filled and sealed cavity with Dritherm

Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall Details

TITLE:

Party Wall Junction  
Back to Back Mono Trusses  
to Form Duo Pitch

DETAIL No.

**SWD 34.0**

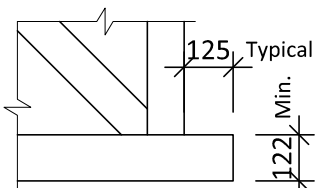
REVISION.

**F**

DATE ISSUED.

Jan 2021

Typical horn detail of trussed rafter (for specific sizes consult roof truss manufacturer)



**Double plasterboard ON SITE with 2 layers of 12.5mm moisture resistant plasterboard (by others)**

2 or more layers of 12.5mm gypsum based board (minimum total nominal mass per unit area 16kg/m<sup>2</sup>), BOTH LEAVES, all joints staggered. **Cover strips BY OTHERS**

38x90mm binder plate sits on top of blocking pieces/horns of the trusses

Two vertical blocking members between truss horns

Plaster board cover strips on site **BY OTHERS**

Trussed rafter (mono) with horn built into party wall and supported on head binder

15mm gypsum based board on ceiling

45x45mm plasterboard noggin **BY OTHERS**

Simpson Strong Tie PWT 200 party wall ties at min. 1200 C/C (or to engineers specification).

Head binder and top rail protect horn from below

Alternative position for party wall ties

375mm wide air barrier

Tile battens by roof contractor

Wire reinforced mineral wool between tile battens & to fill profile of roof covering **BY OTHERS**

50x50mm rafters at 600mm c/c notched over & nailed to top of panel

38x90mm noggins cut to fit between 50x50 rafters

50x50mm rafters cut & fixed to top of panels

300mm wide wire backed mineral wool cavity barrier, continuous NO Gaps

Party wall panels (insulation to continue into roof zone in Scotland only)

300mm Dritherm

150 + 150mm insulation (10kg/m<sup>3</sup> min. & 100mm min. thickness)

Bottom chord depth on mono trusses may vary. Please consult roof truss designer for specific depths min. 122mm

9mm external OSB 3 sheathing. Partial sheathing 1800mm max. to both ends of both leaves. Netlon to unsheathed panels.

Typically 1 no. 12.5mm & 1 no. 19mm gypsum based board specified BOTH LEAVES. (8.5kg/m<sup>2</sup> & 13.5kg/m<sup>2</sup> respectively) Ensure specification of boarding used conforms to total nominal mass per unit area 22Kg/m<sup>2</sup>

Fully filled and sealed cavity with Dritherm

Sectional elevation

Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall Details

TITLE:

Party Wall Junction  
Perpendicular to Roof Pitch  
with Back to Back Trusses

DETAIL No.

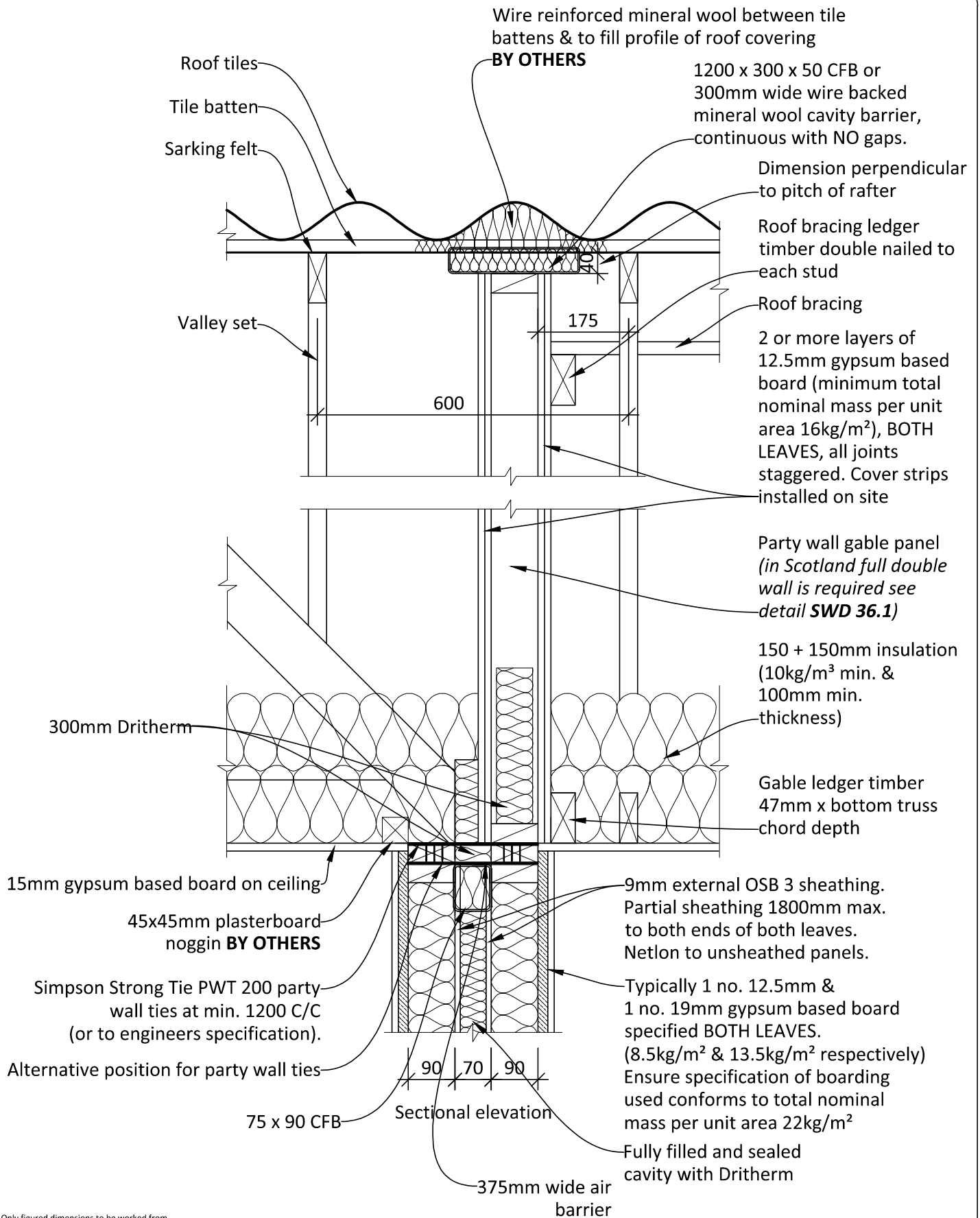
**SWD 35.0**

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**F**

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DETAILS:

Standard Wall Details

TITLE:

Party Wall Junction  
Roofs Set @ Right Angles to one  
another (Single Leaf in Roof Space)

DETAIL No.

**SWD 36.0**

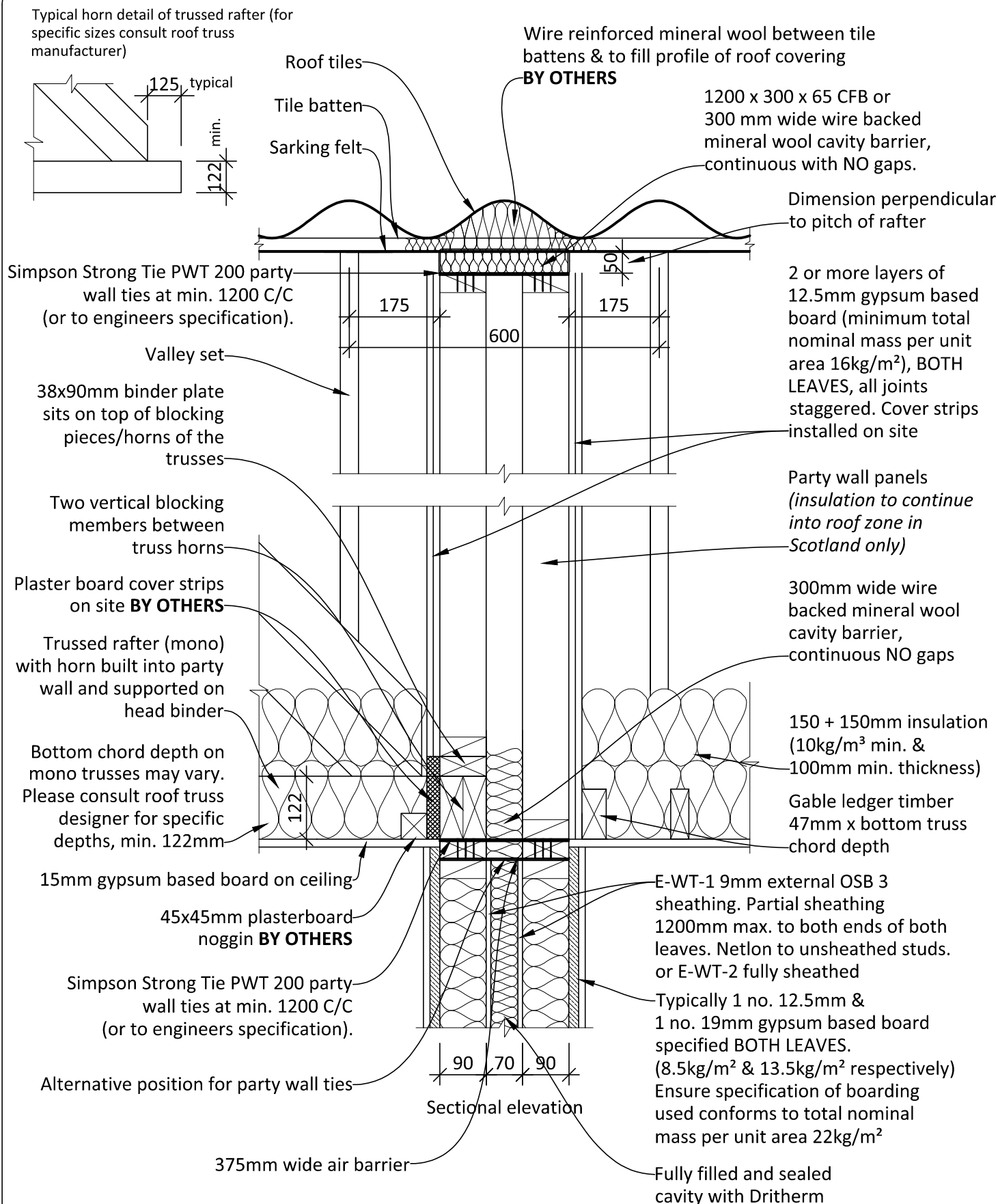
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DATE ISSUED.

Jan. 2021





Note: Only figured dimensions to be worked from.

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DETAILS:

**Standard Wall Details**

TITLE:

**Party Wall Junction  
Roofs Set @ Right Angles to one  
another (Full Party Wall in Roof Space)**

DETAIL No.

**SWD 36.1**

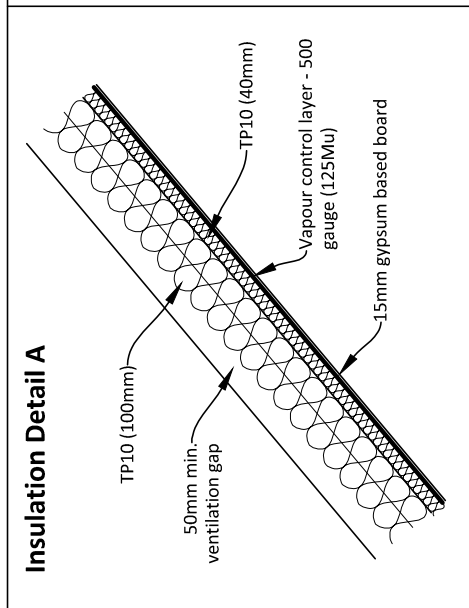
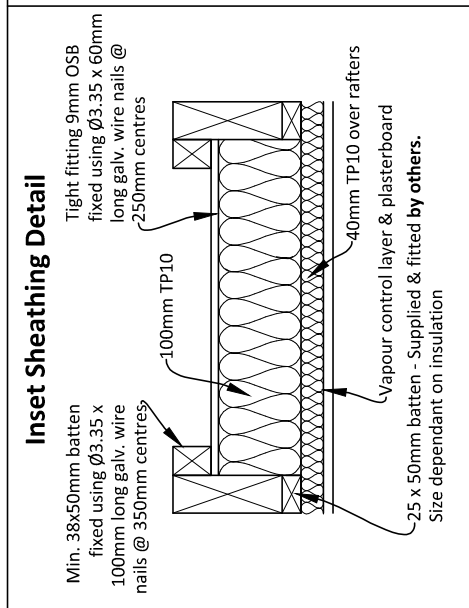
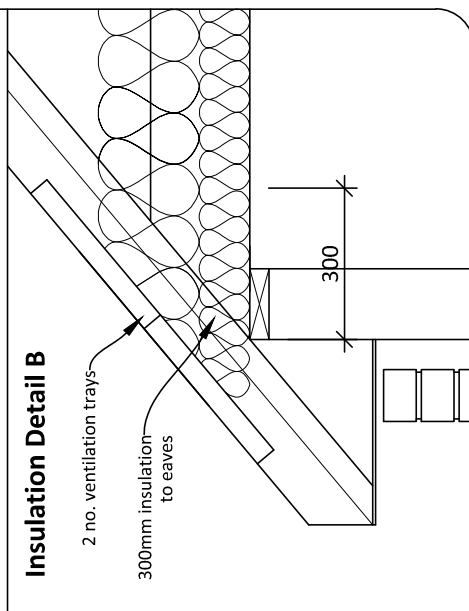
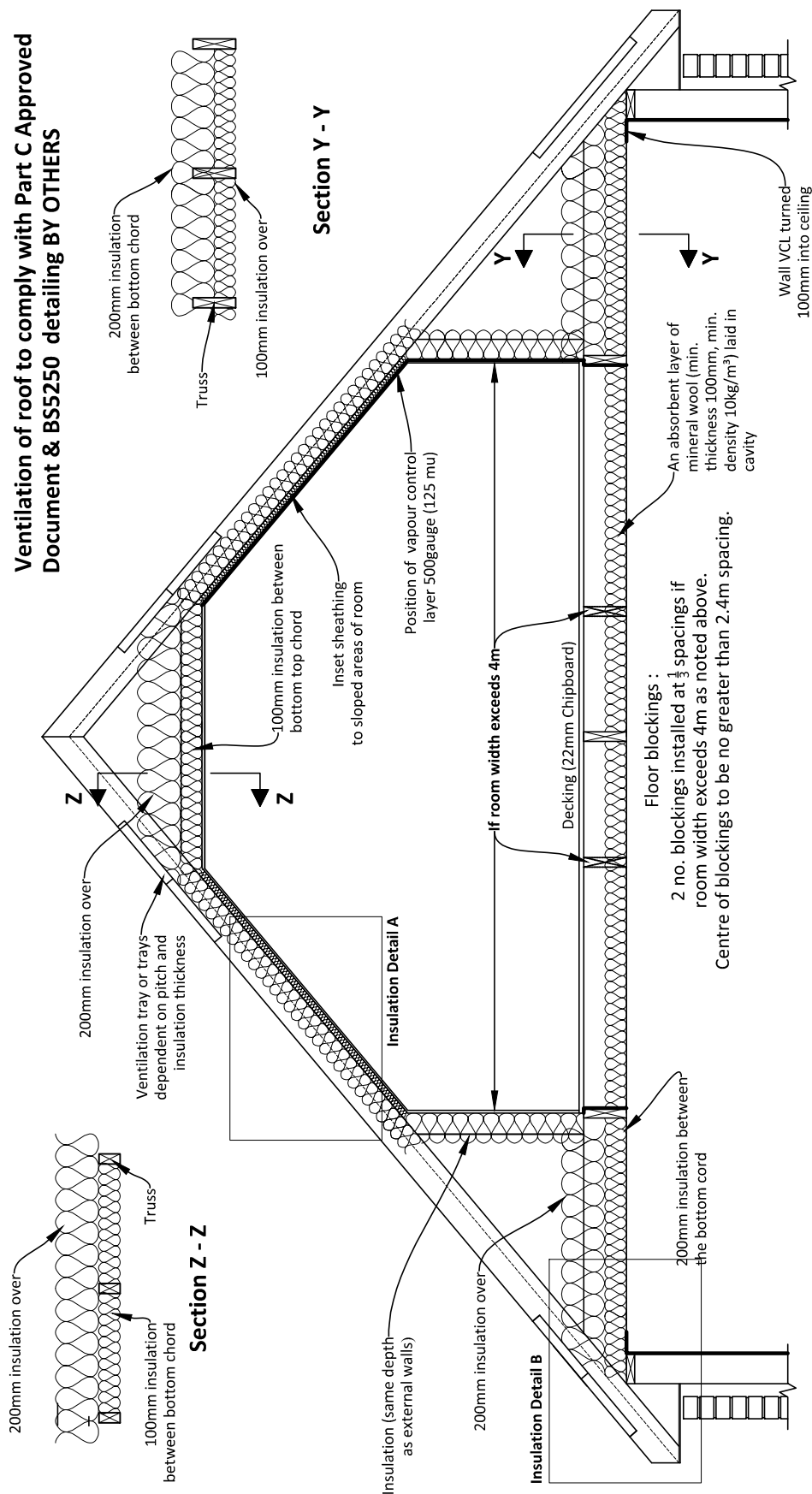
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**F**

DATE ISSUED:

**Jan 2021**

# Ventilation of roof to comply with Part C Approved Document & BS5250 detailing BY OTHERS



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DETAILS:

Standard Wall Details

TITLE:

Attic Truss Insulation

DETAIL No.

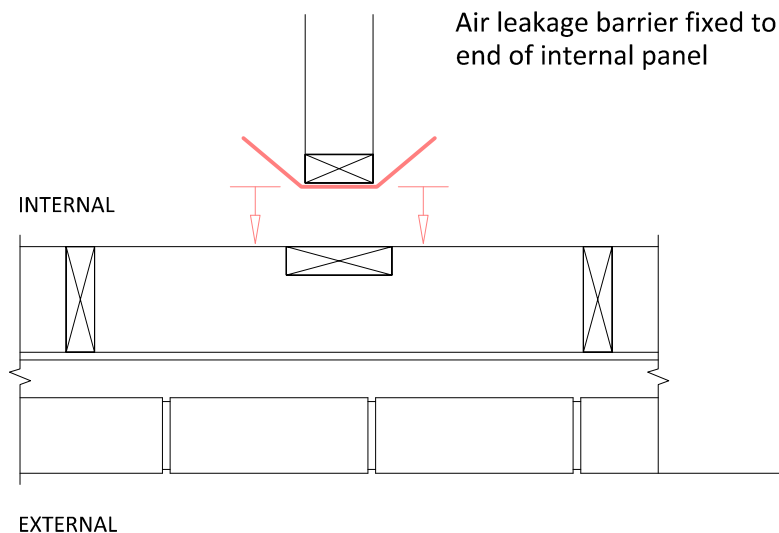
**SWD 37.0**

REVISION.

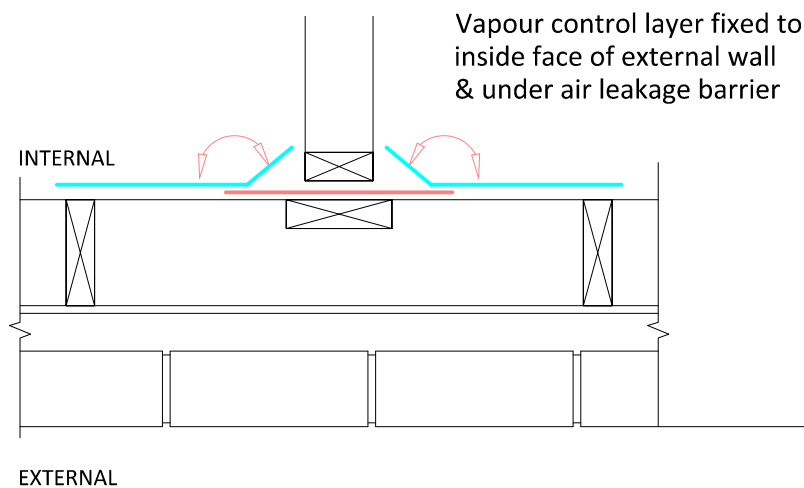
**E**

DATE ISSUED.

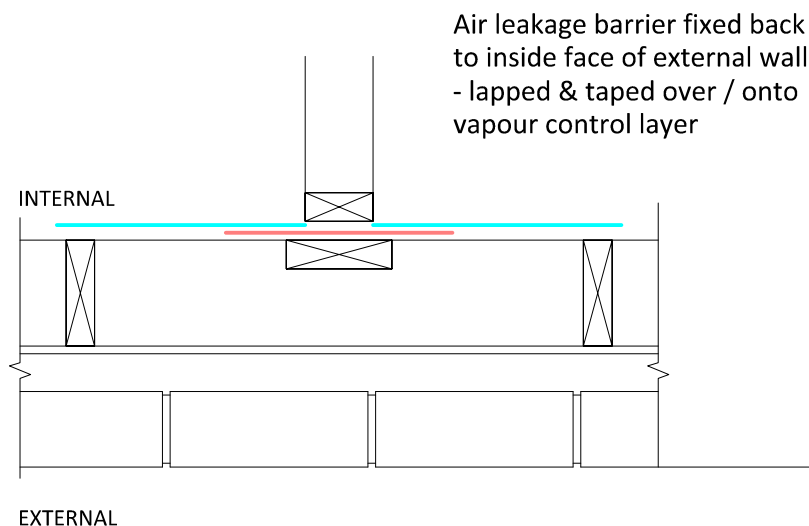
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# Stage 1



# Stage 2



# Stage 3

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DETAILS:

Standard Wall Details

TITLE:

Air Tightness Detail  
External - Internal Junction

DETAIL No.

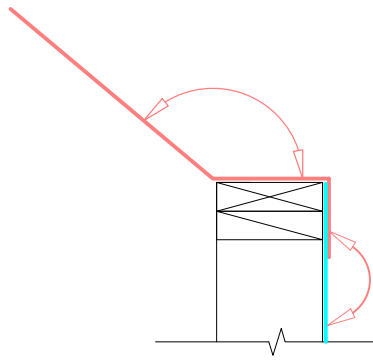
**SWD 38.0**

REVISION.

**B**

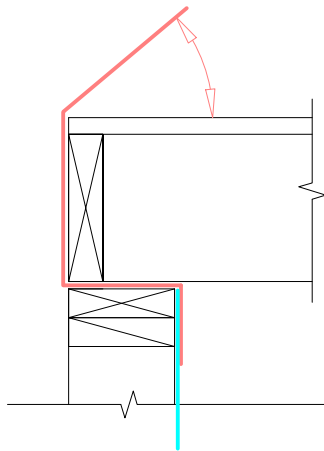
DATE ISSUED.

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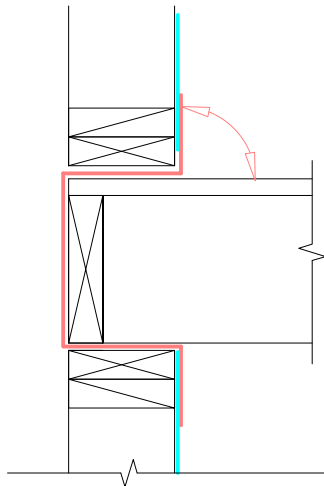
Air leakage barrier fixed top  
of GF panels.  
Dress over (min 95mm) & tape  
to wall vapour control layer.

## Stage 1



Air leakage barrier fixed to face  
of perimeter floor joists.  
Dress over floor deck once  
installed.

## Stage 2



Dress over (min 95mm) & tape to  
1st floor wall vapour control layer.

## Stage 3

Sectional Elevation

Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall Details

TITLE:

Air Tightness Detail  
Floor - Wall Junction

DETAIL No.

**SWD 38. 1**

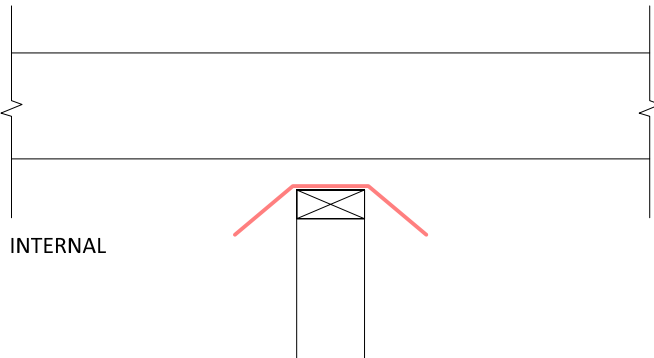
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DATE ISSUED.

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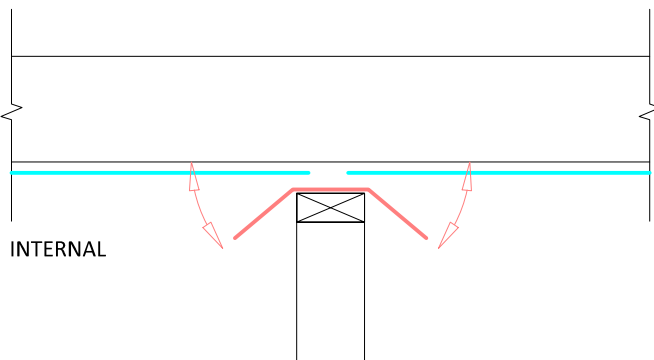
ROOF VOID



Air leakage barrier fixed to top of internal panel

## Stage 1

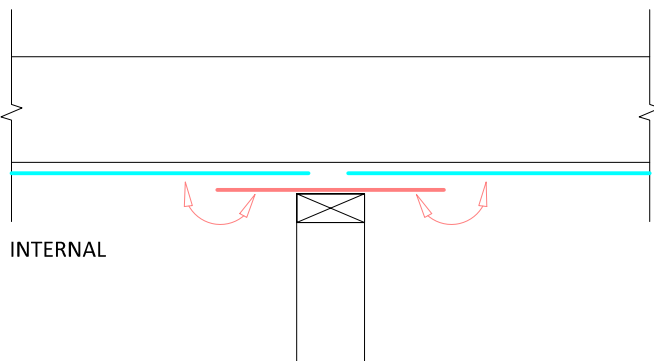
ROOF VOID



Vapour control layer fixed to inside face of ceiling & under air leakage barrier

## Stage 2

ROOF VOID



Air leakage barrier fixed back to inside face of ceiling  
- lapped & taped over / onto vapour control layer

## Stage 3

Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall Details

TITLE:

Air Tightness Detail  
Internal - Roof Void Junction

DETAIL No.

**SWD 38.2**

REVISION.

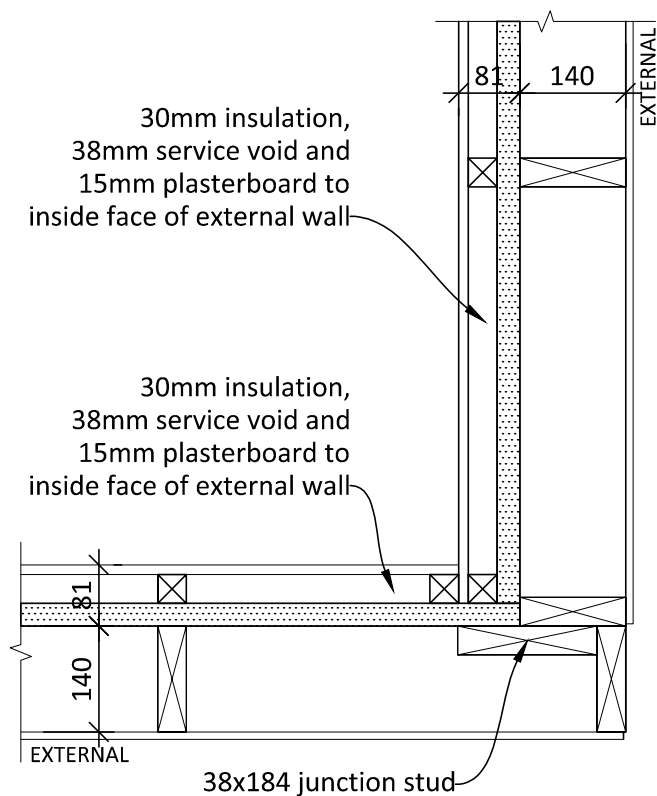
**B**

DATE ISSUED.

Jan. 2021

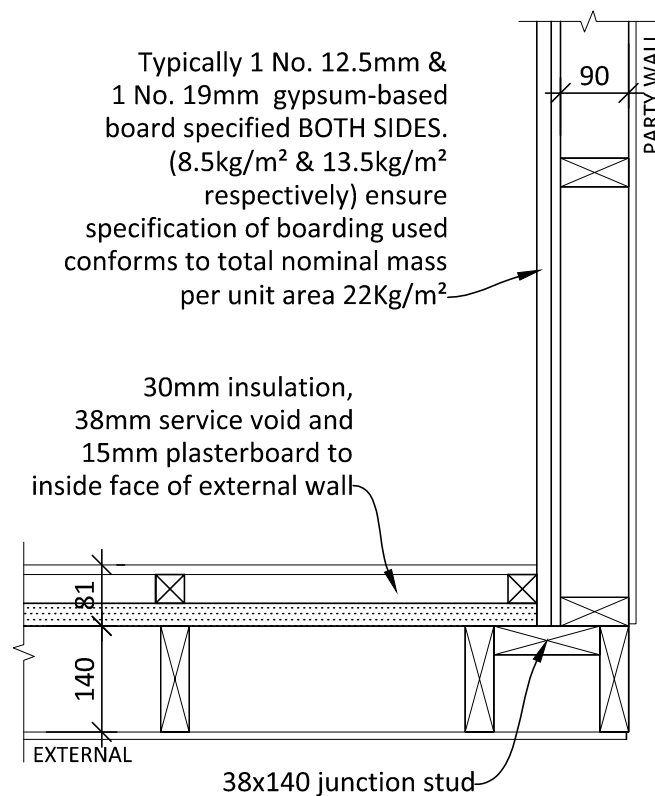
## Detail 1

### External to external wall junction



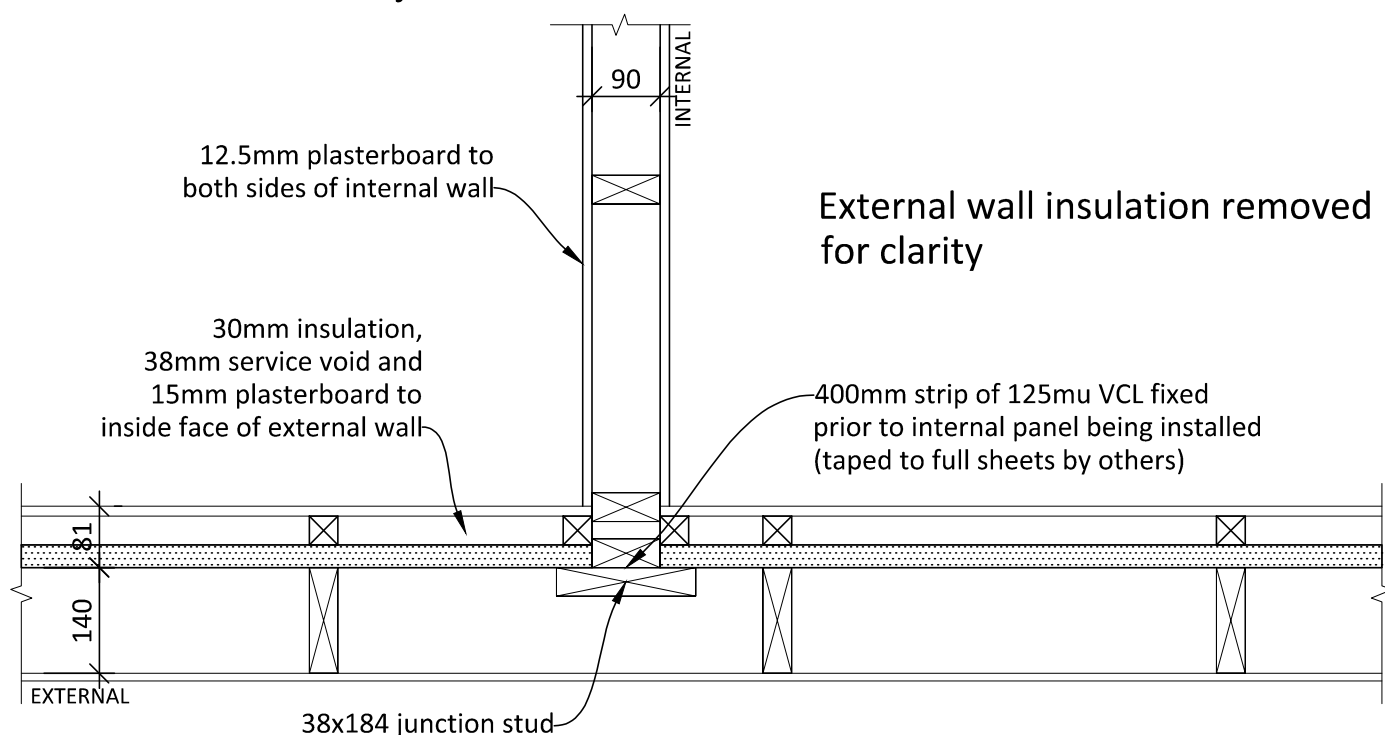
## Detail 2

### External to party wall junction



## Detail 3

### External to internal wall junction



Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall Details

TITLE:

Therma Line Enhanced  
Junction Details

DETAIL No.

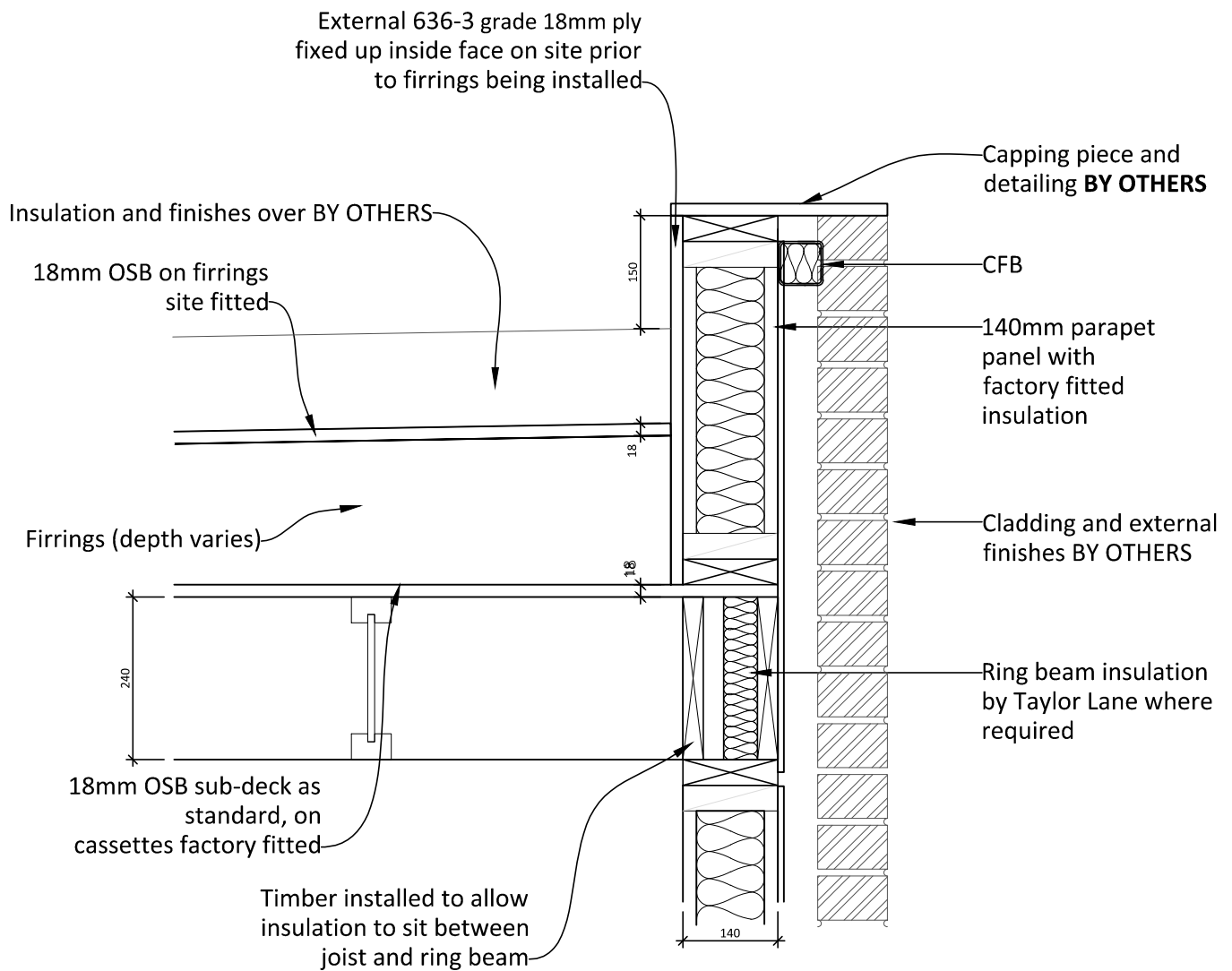
**SWD 38.3**

REVISION.

**B**

DATE ISSUED.

Jan. 2021



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DETAILS:

Standard Wall Details

TITLE:

**Typical Parapet Detail**

DETAIL No.

**SWD 39.0**

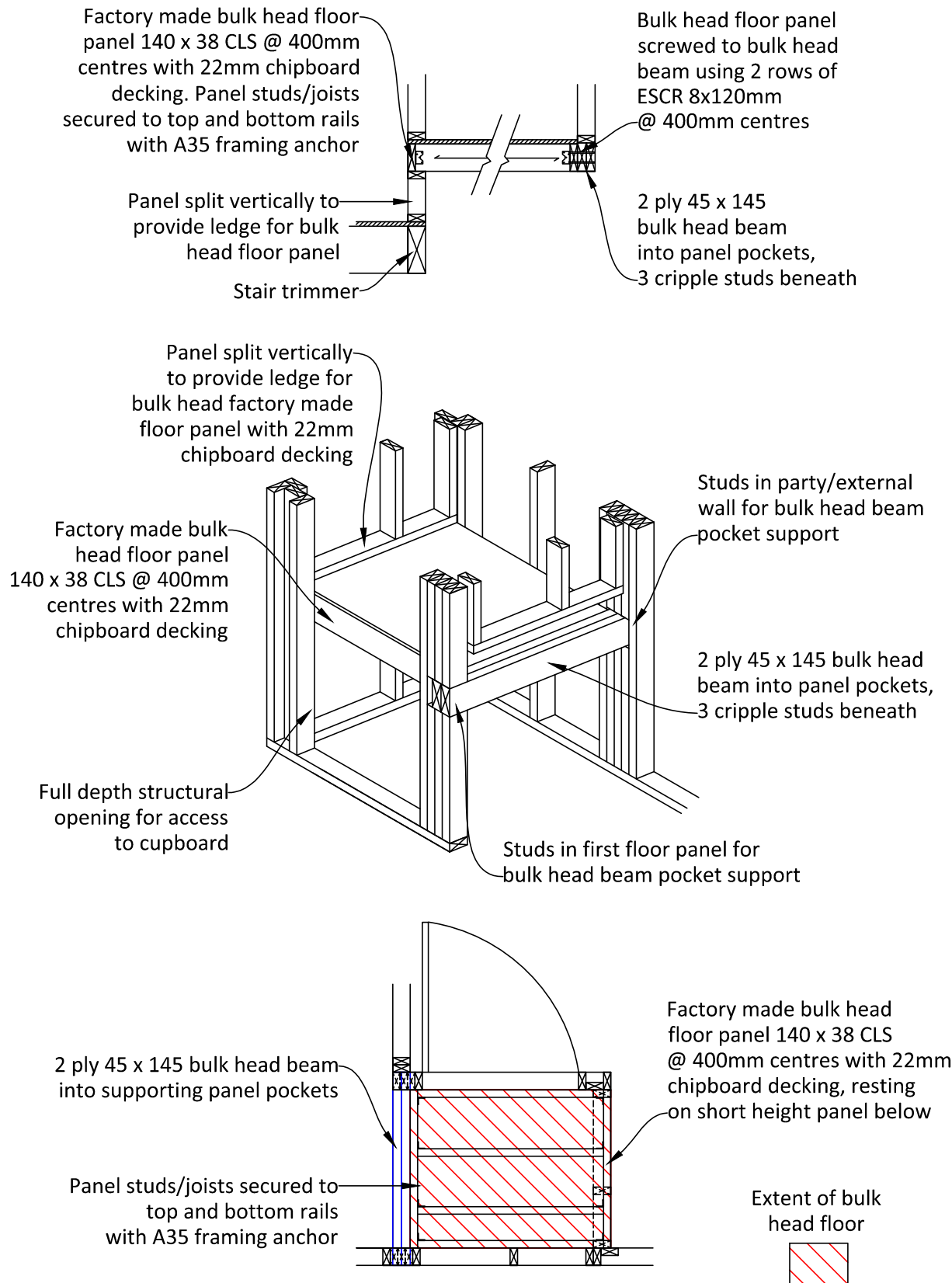
REVISION.

**C**

DATE ISSUED.

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Standard floor loads only, water tanks above 182 litres/40 gallons must be checked by engineer.

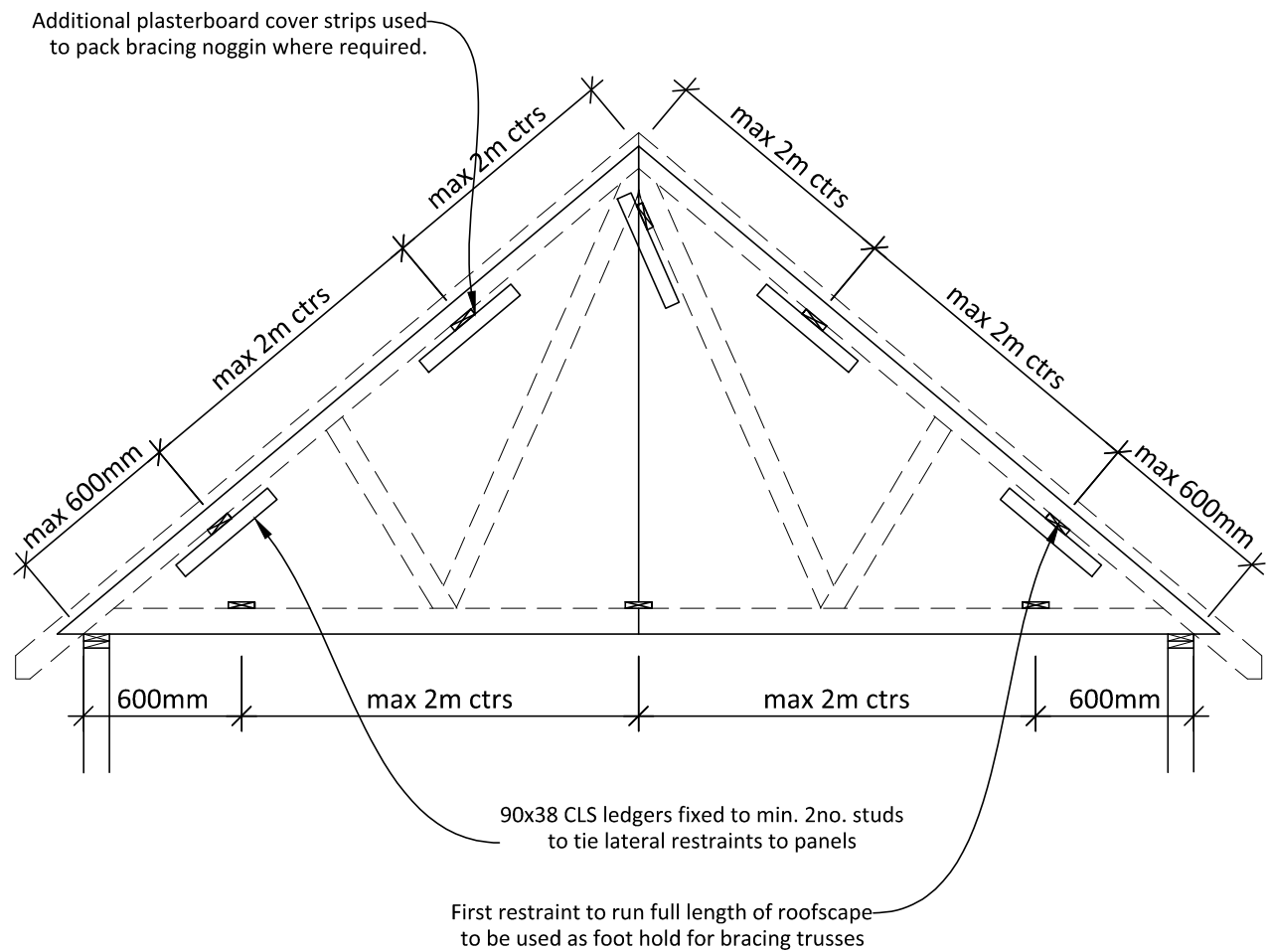


Note: Only figured dimensions to be worked from.

<div data-bbox="95 1892 510 1971" data-label="Image"> </div> <div data-bbox="127 1982 478 2016" data-label="Text"> <p>TIMBER FRAME   ENGINEERED FLOORS   ROOF TRUSSES STEEL FABRICATION   JOINERY</p> </div> <div data-bbox="175 2027 510 2083" data-label="Text"> <p><a href="http://www.taylor-lane.co.uk">www.taylor-lane.co.uk</a> sales@taylor-lane.co.uk</p> </div> <div data-bbox="255 2094 510 2116" data-label="Text"> <p>t. 01432 271912 f. 01432 351064</p> </div> <div data-bbox="143 2116 510 2139" data-label="Text"> <p>Chapel Road   Rotherwas Industrial Estate   Hereford   HR2 6LD</p> </div>		<p>DETAILS: <b>Standard Wall Details</b></p>	
		<p>TITLE: <b>Bulk Head Design</b></p>	
		<table> <tr> <td data-bbox="965 2094 1212 2172">DETAIL No. <b>SWD 40.0</b></td><td data-bbox="1212 2094 1340 2172">REVISION. <b>A</b></td><td data-bbox="1340 2094 1540 2172">DATE ISSUED. <b>Jan. 2021</b></td></tr> </table>	DETAIL No. <b>SWD 40.0</b>
DETAIL No. <b>SWD 40.0</b>	REVISION. <b>A</b>	DATE ISSUED. <b>Jan. 2021</b>	



Trusses to be laterally restrained to all party wall and external gable panels using 25x100mm sawn timber over a minimum of 3no. trusses at max 2m ctrs as detailed below.



Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall Details

TITLE:

Lateral Restraint Detail  
P/W & Ext Gables -  
When Not Lifted Roof

DETAIL No.

**SWD 41.0**

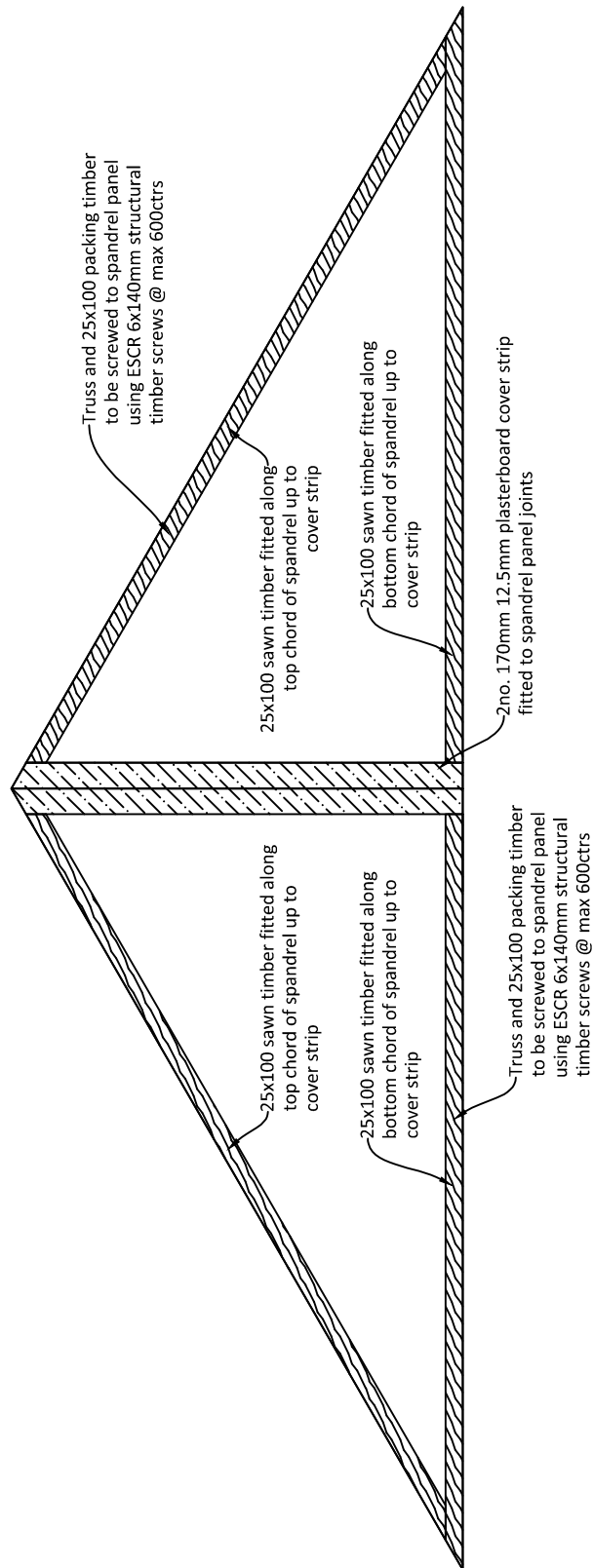
REVISION.

**C**

DATE ISSUED.

Jan. 2022

## PW SPANDREL LIFTING PACKING DETAIL



Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall Details

TITLE:

Spandrel Lifting Packing Detail

DETAIL No.

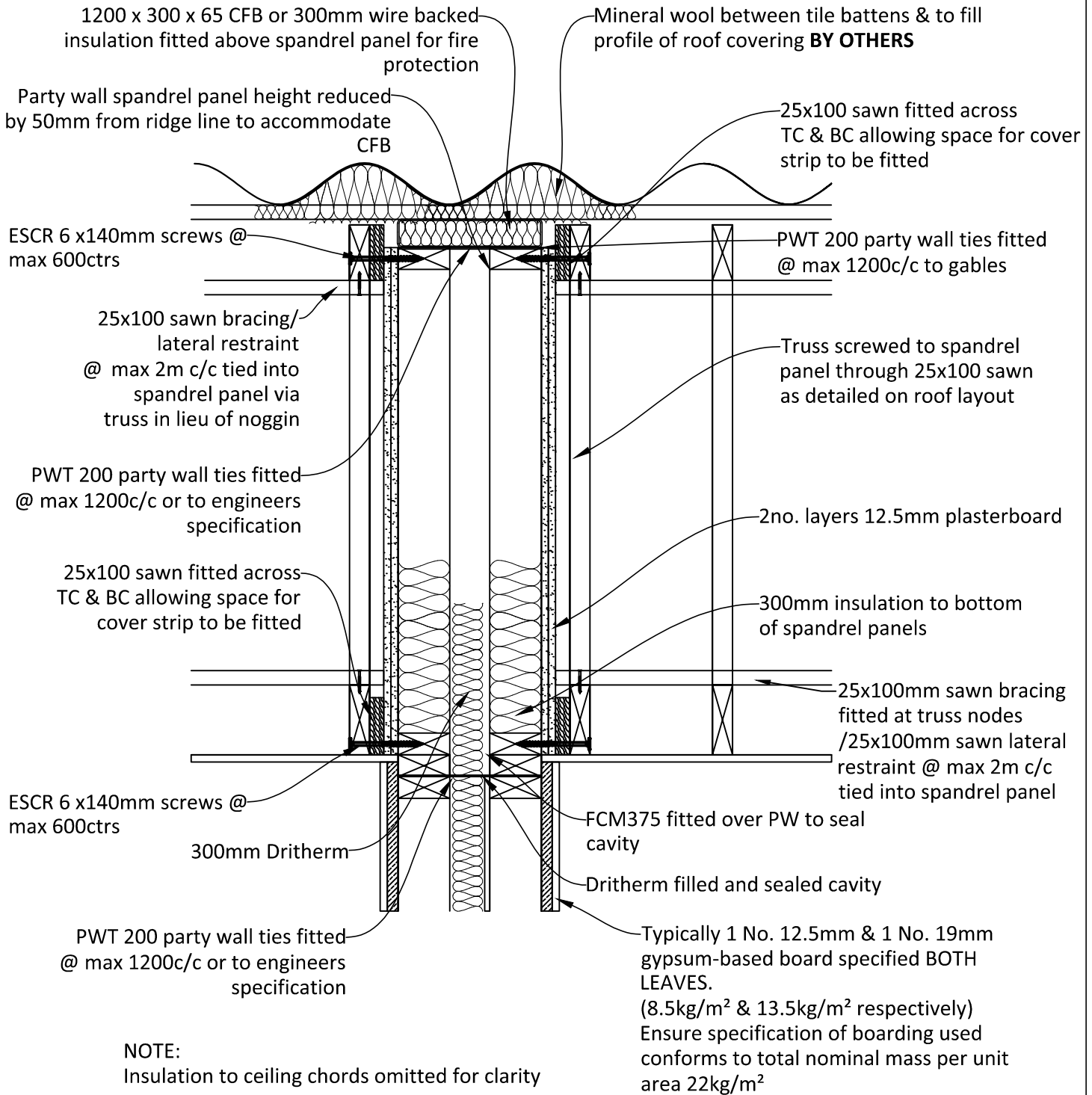
**SWD 42.0**

REVISION.

**D**

DATE ISSUED.

Jan 2022



Party wall junction  
Roofs set parallel to one another  
(Lifted roof detail)

Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall Details

TITLE:

**Party Wall Spandrel Lifting  
Detail**

DETAIL No.

**SWD 43.0**

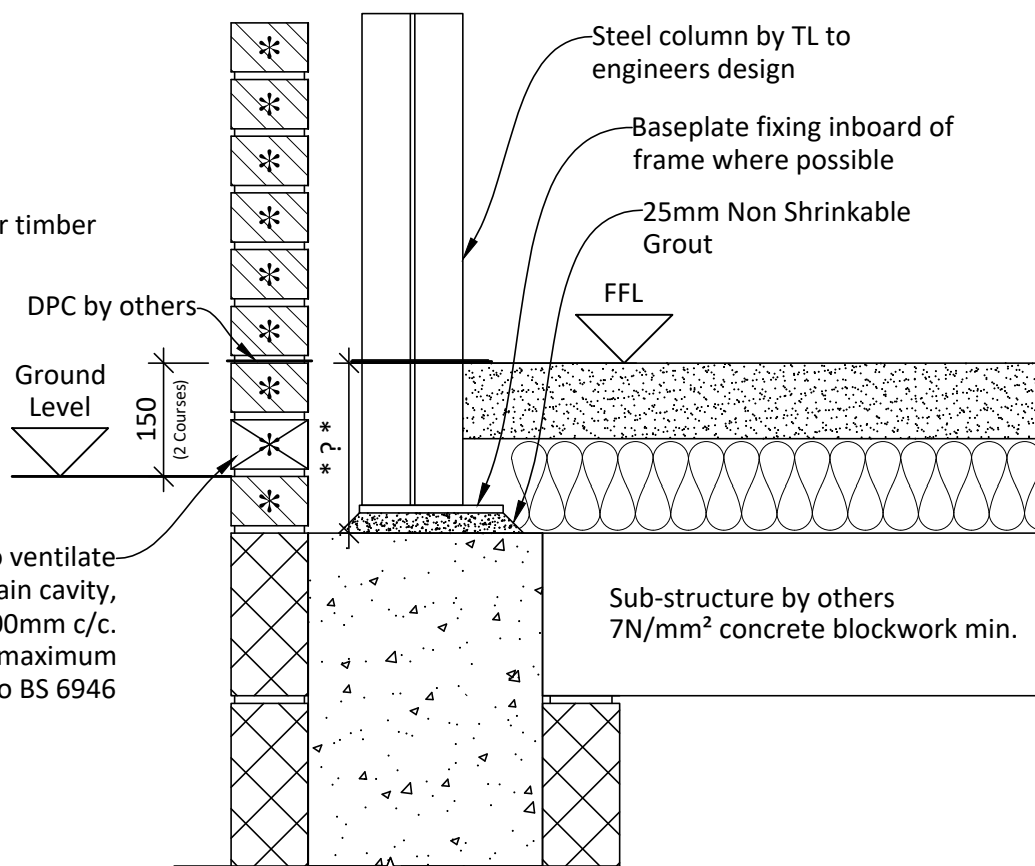
REVISION:

**E**

DATE ISSUED:

Jan. 2022

\* - To be built after timber frame is erected



**\* Depth from FFL to top of concrete pad must be confirmed prior to steels arrival on site \***

Note: Only figured dimensions to be worked from.

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DETAILS:

Standard Wall Details

TITLE:

Steel Column Fixing Details

DETAIL No.

**SWD 50.0**

REVISION.

-

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Jan 2021