

# XLAM CLT - PANEL ASSEMBLY GUIDE

Panel use:	Detail Reference:	Detail Description:	Issue Date:
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## Floor panel connections

PA 1.1	Xlam floor panel to timber sub floor structure	08.05.2013
PA 1.2	Xlam floor panel to concrete foundation structure	08.05.2013
PA 1.3	Xlam floor panel to concrete foundation structure	08.05.2013

## Mid - floor panel connections

PA 2.1	Xlam mid floor - balloon construction	08.05.2013
PA 2.2	Xlam mid floor - platform construction - CLT wall	08.05.2013
PA 2.3	Xlam mid floor - platform construction - frame wall	08.05.2013

## Wall panel connections

PA 3.1	Xlam wall connection to cantilever floor	08.05.2013
PA 3.2	Xlam wall base connection to concrete floor	08.05.2013
PA 3.3	Xlam internal wall base to Xlam floor	08.05.2013
PA 3.4	Xlam internal wall base to concrete floor	08.05.2013
PA 3.5	Xlam wall junction - plan detail	08.05.2013
PA 3.6	Xlam rebated wall junction - plan detail	08.05.2013
PA 3.7	Xlam wall 'T' junction - plan detail	08.05.2013

## Roof panel connections

PA 4.1	Xlam roof panel on Xlam wall panel	08.05.2013
PA 4.2	Xlam roof panel on framed wall	08.05.2013
PA 4.3	Xlam roof panel on intermediate roof beam	08.05.2013
PA 4.4	Xlam panel to panel ridge connection	08.05.2013
PA 4.5	Xlam roof panel on Xlam wall panel at barge	08.05.2013
PA 4.6	Xlam roof panel on framed wall at barge	08.05.2013

## Panel connections

PA 5.1a	Xlam panel to panel - half lap joint	08.05.2013
PA 5.1b	Xlam panel to panel - single spline joint	08.05.2013

Details shown are indicative only and subject to project-specific design



## XLAM CLT - PANEL ASSEMBLY GUIDE - INDEX

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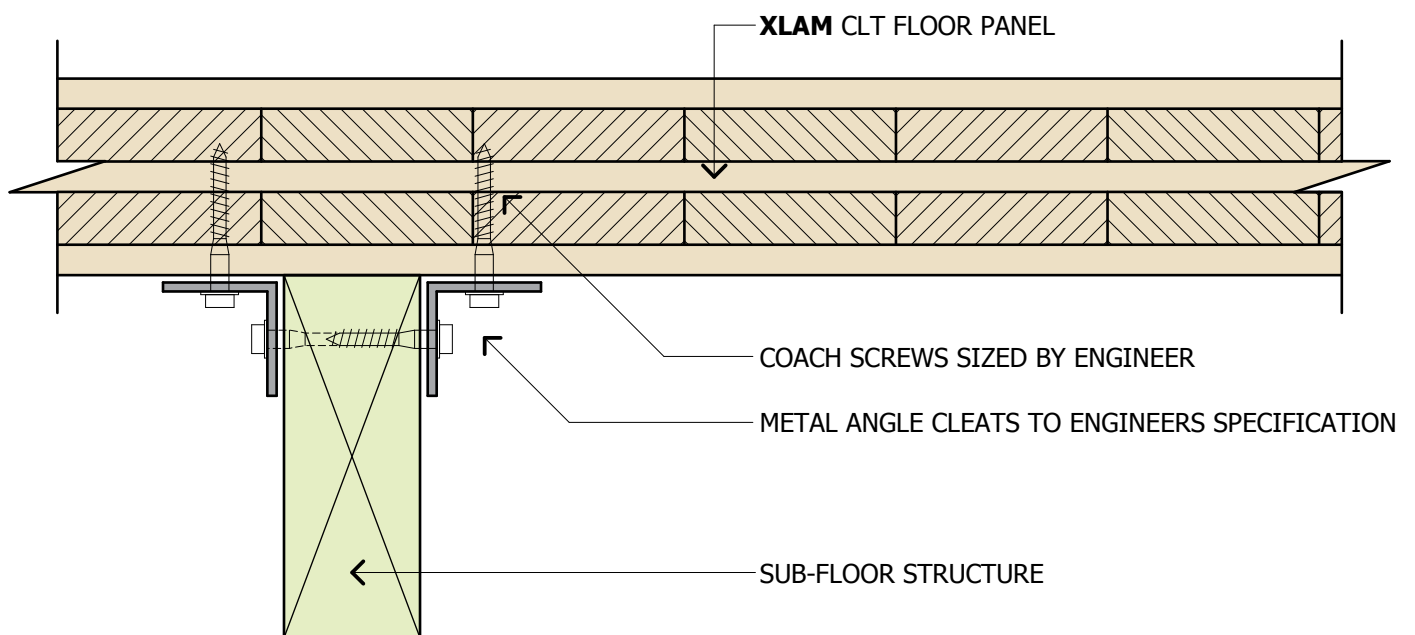
Web: www.xlam.co.nz

57 Beatty St, Tahunanui, Nelson 7041, New Zealand

V 1.1

Date. 08.05.13

Scale. 1:5 at A4



Edge distances and penetrations of engineered wood screws are to be specified by the Structural Engineer  
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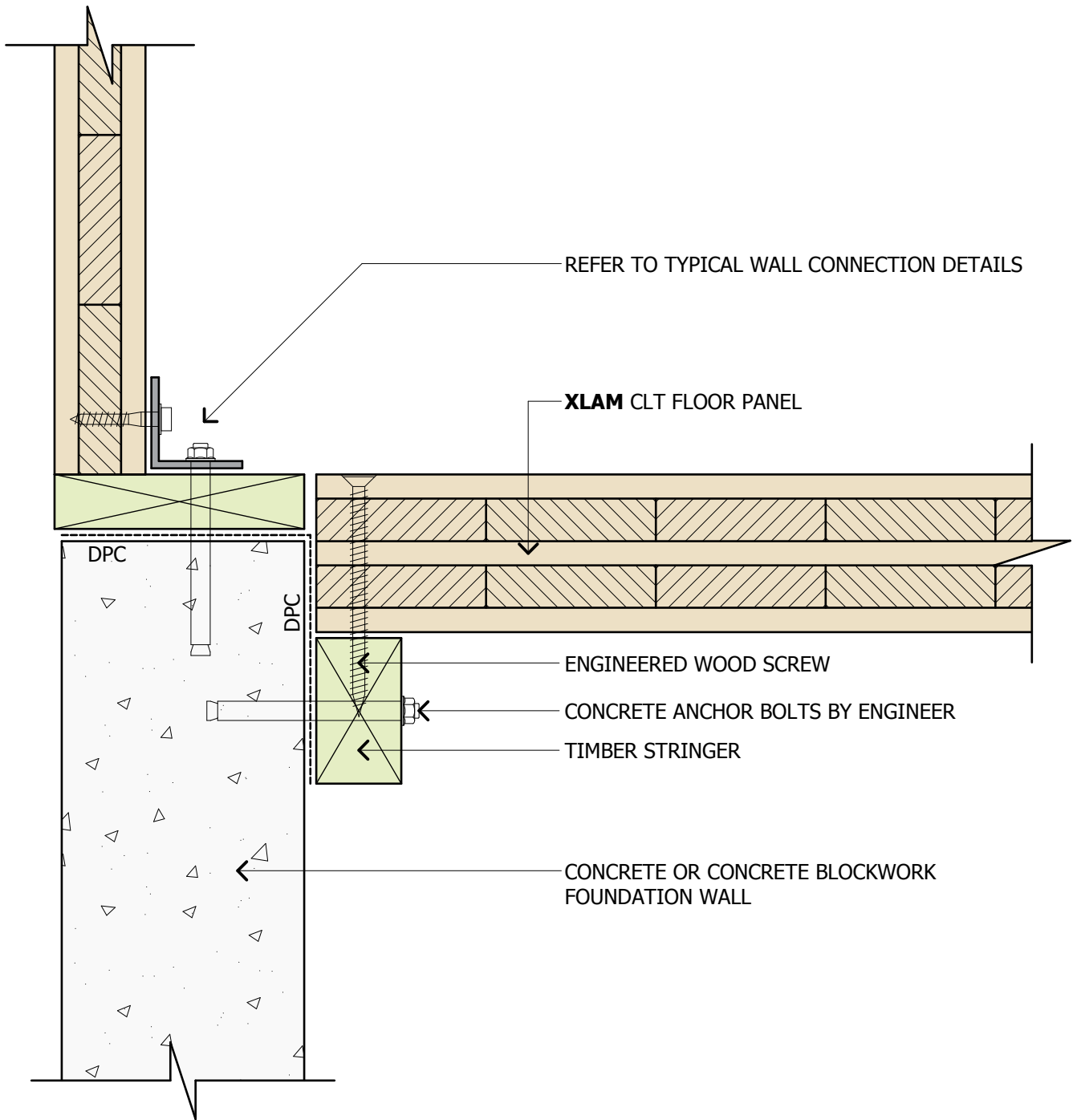


### XLAM FLOOR PANEL TO TIMBER SUB-FLOOR STRUCTURE

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Date. 08.05.13
Scale. 1:5 at A4

**PA 1.1**



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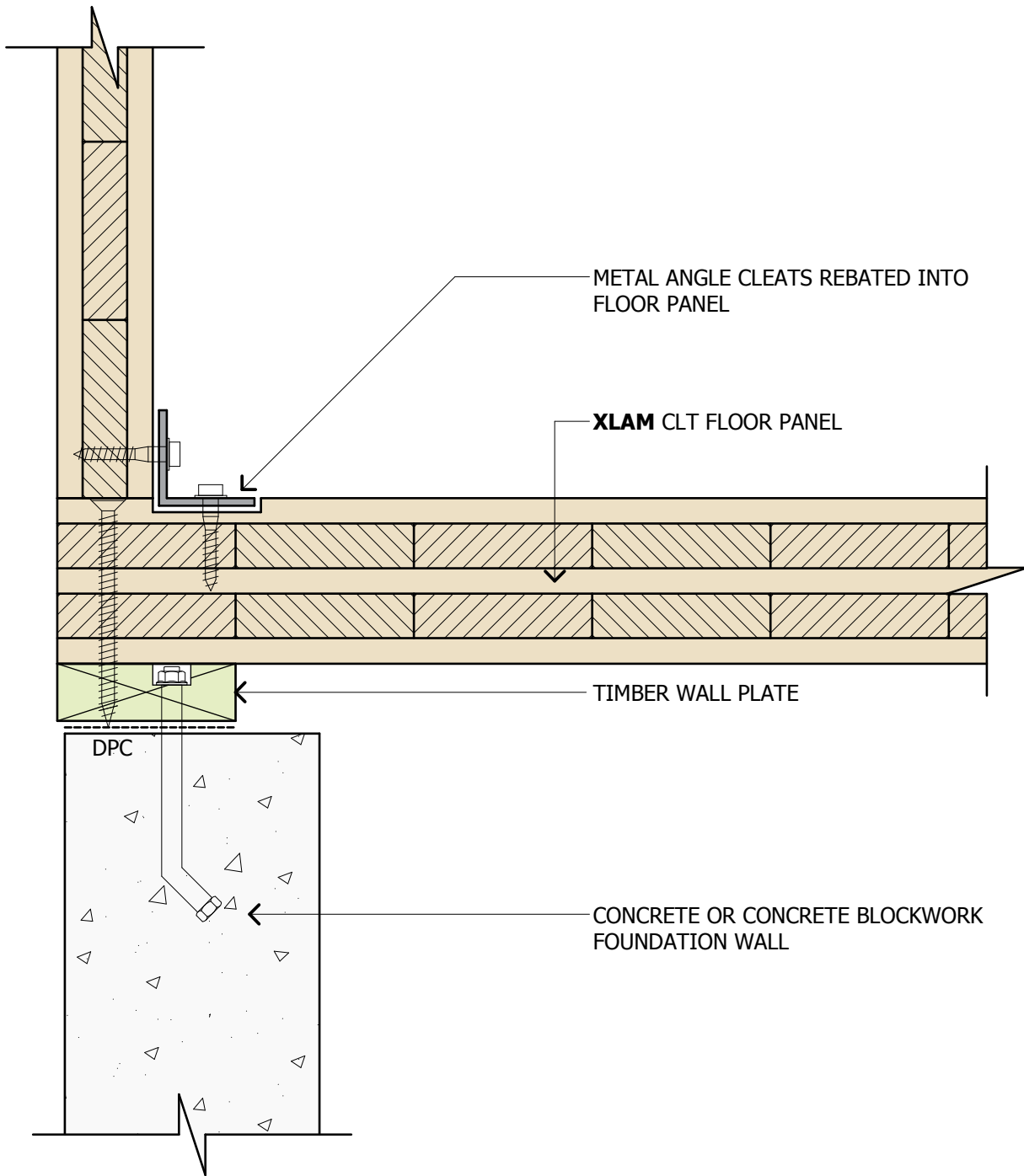
### XLAM FLOOR PANEL TO CONCRETE FOUNDATION



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V 1.1
Date. 08.05.13
Scale. 1:5 at A4

**PA 1.2**



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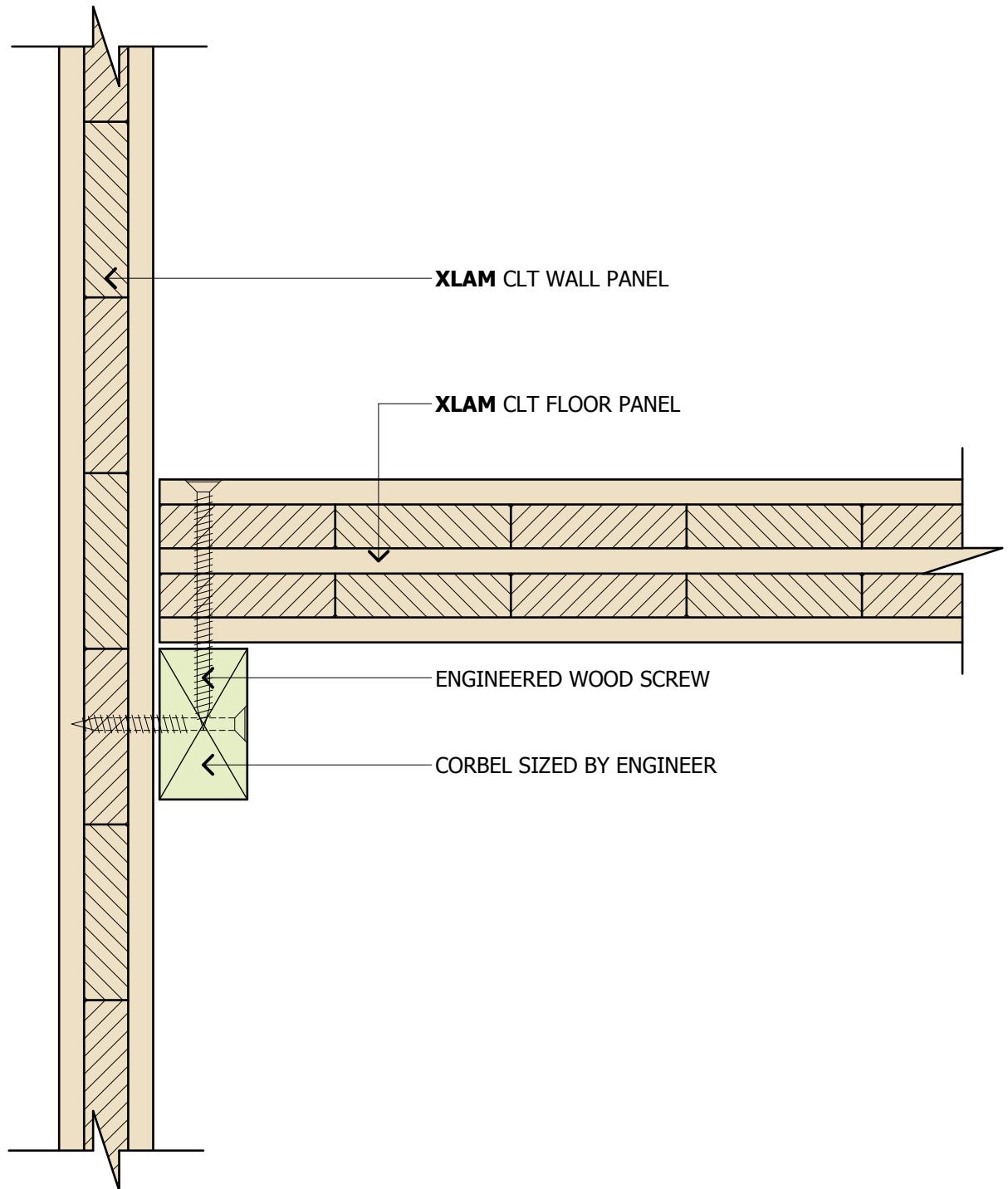
## XLAM FLOOR PANEL TO CONCRETE FOUNDATION



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V 1.1
Date. 08.05.13
Scale. 1:5 at A4

**PA 1.3**



Edge distances and penetrations of engineered wood screws are to be specified by the Structural Engineer  
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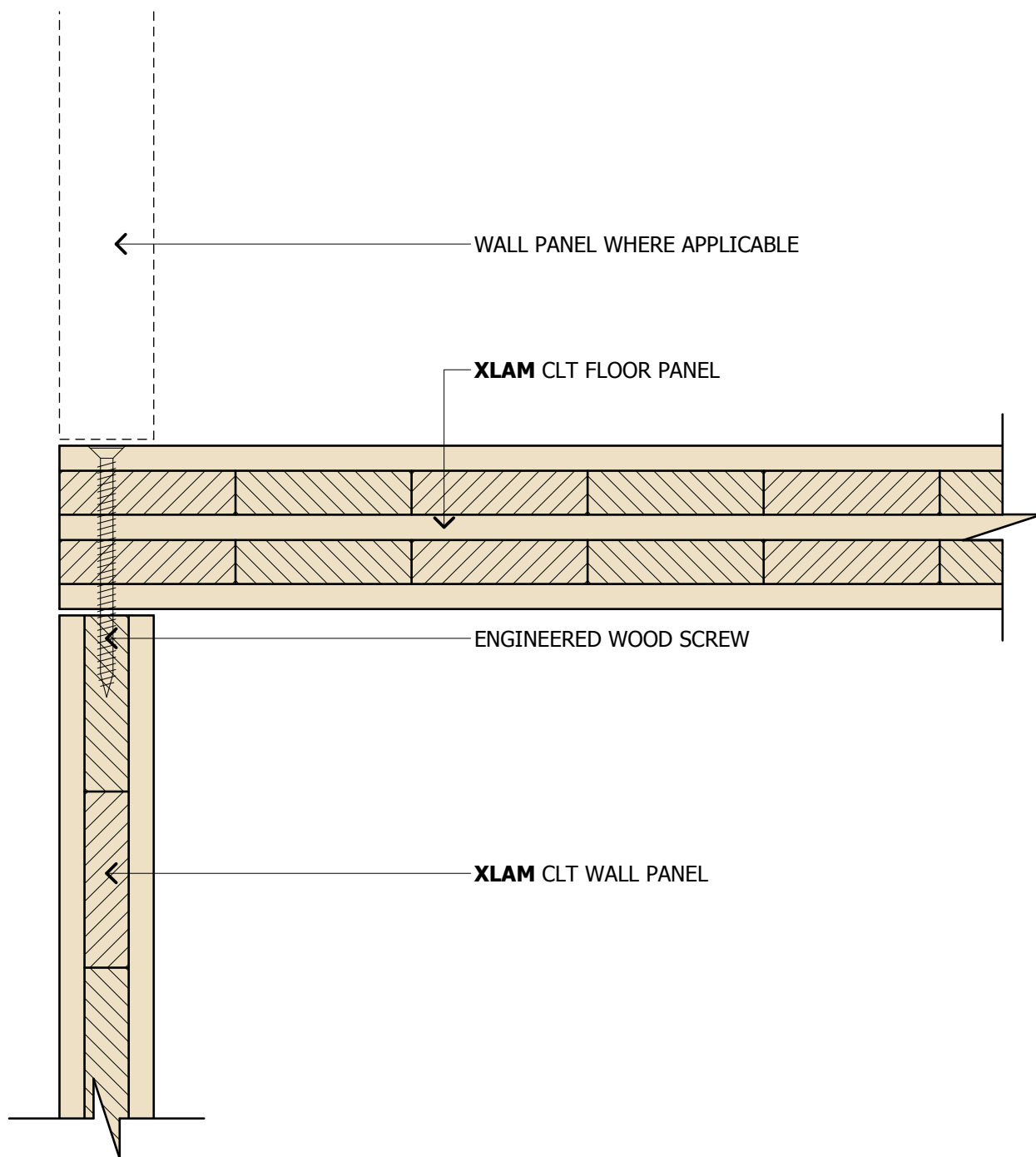


## XLAM MID FLOOR - BALLOON CONSTRUCTION

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V 1.1
Date. 08.05.13
Scale. 1:5 at A4

**PA 2.1**



Edge distances and penetrations of engineered wood screws are to be specified by the Structural Engineer  
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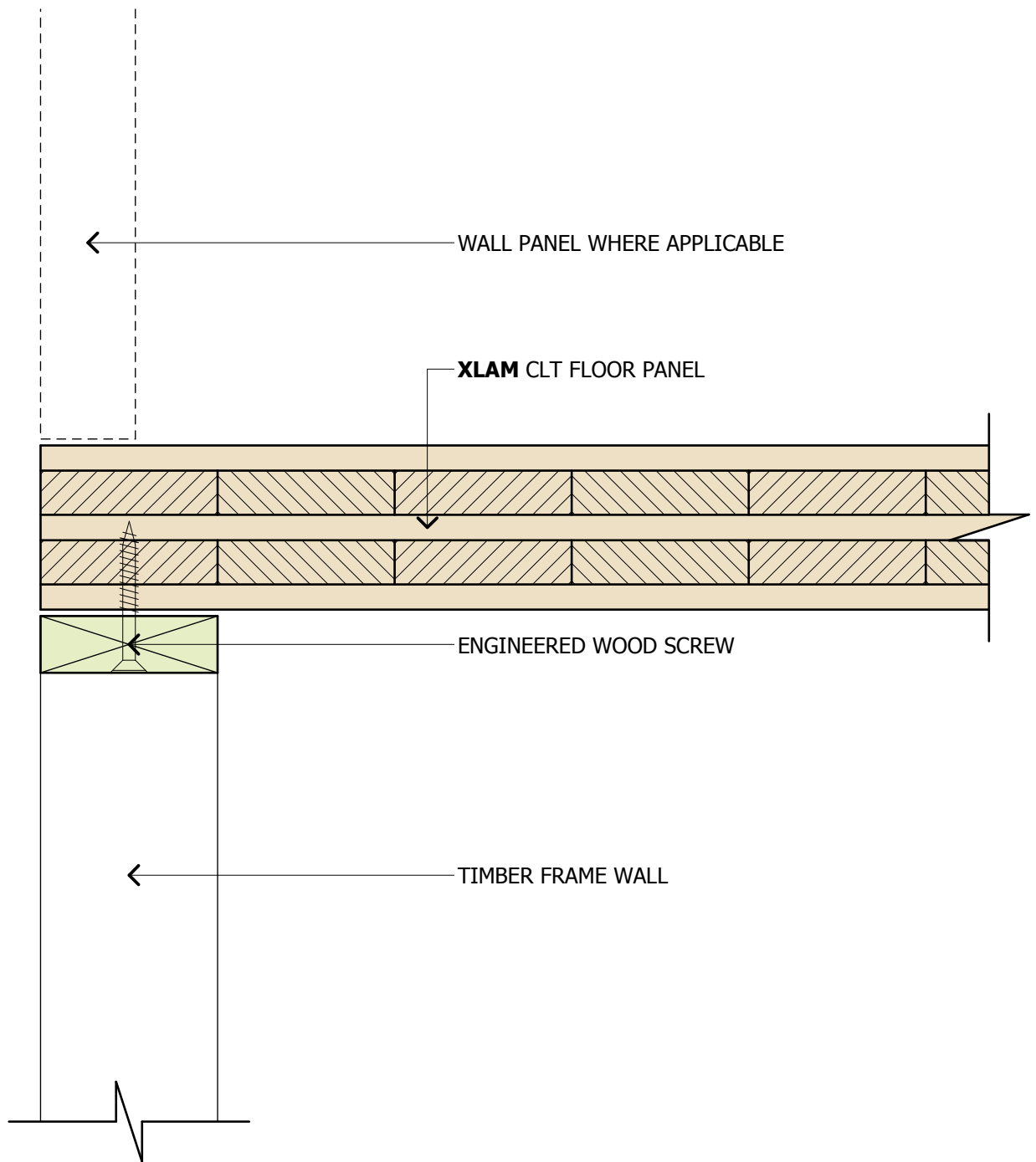


### XLAM MID FLOOR - PLATFORM CONSTRUCTION - CLT WALL

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V 1.1
Date. 08.05.13
Scale. 1:5 at A4

**PA 2.2**



Edge distances and penetrations of engineered wood screws are to be specified by the Structural Engineer  
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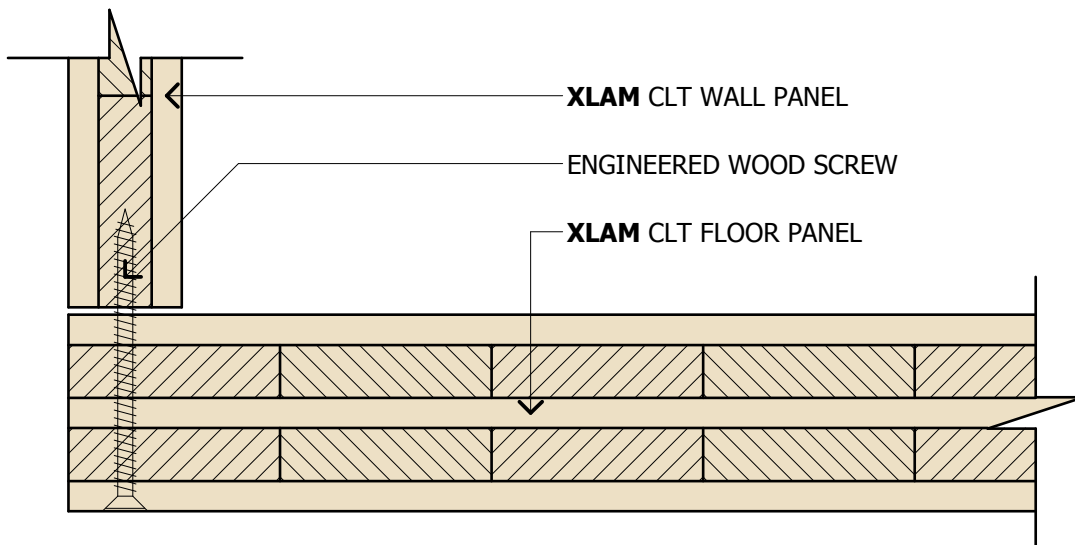


### XLAM MID FLOOR - PLATFORM CONSTRUCTION - FRAME WALL

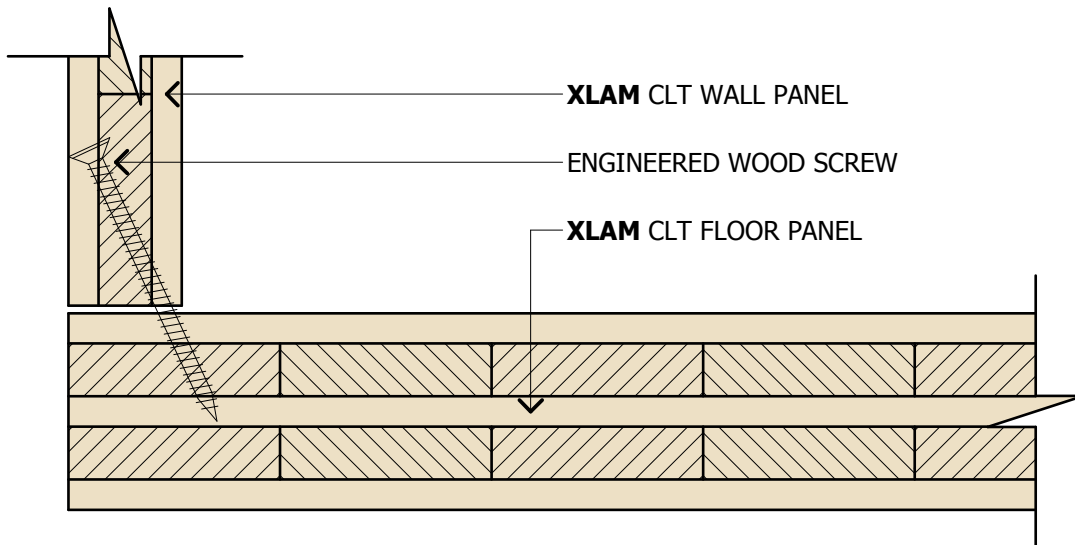
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V 1.1
Date. 08.05.13
Scale. 1:5 at A4

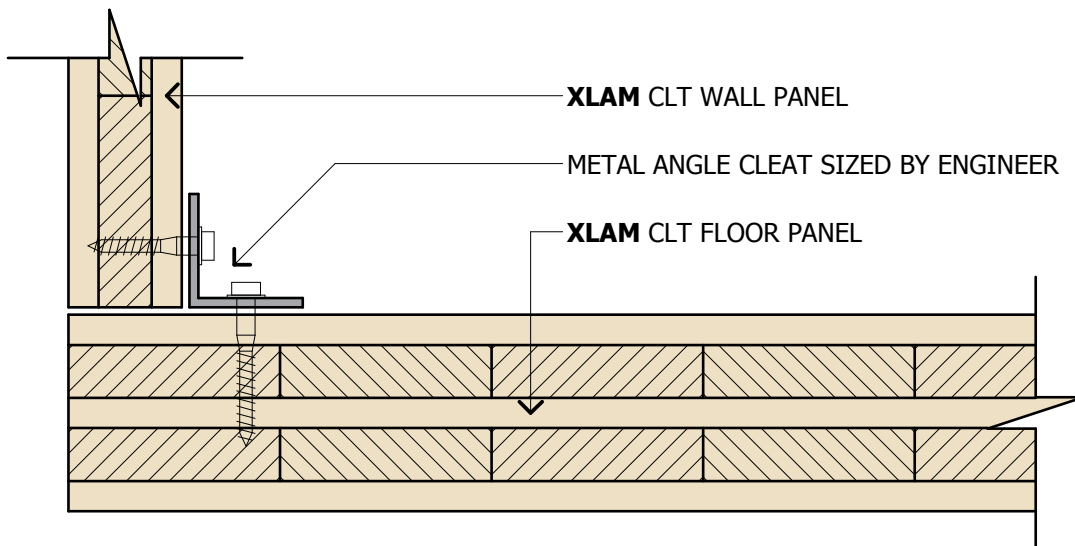
**PA 2.3**



PA 3.1 (a) FIXING FROM UNDERSIDE



PA 3.1 (b) FIXING FROM TOP



PA 3.1 (c) METAL ANGLE FIXING

Edge distances and penetrations of engineered wood screws are to be specified by the Structural Engineer  
 Details shown are indicative only and subject to project-specific design



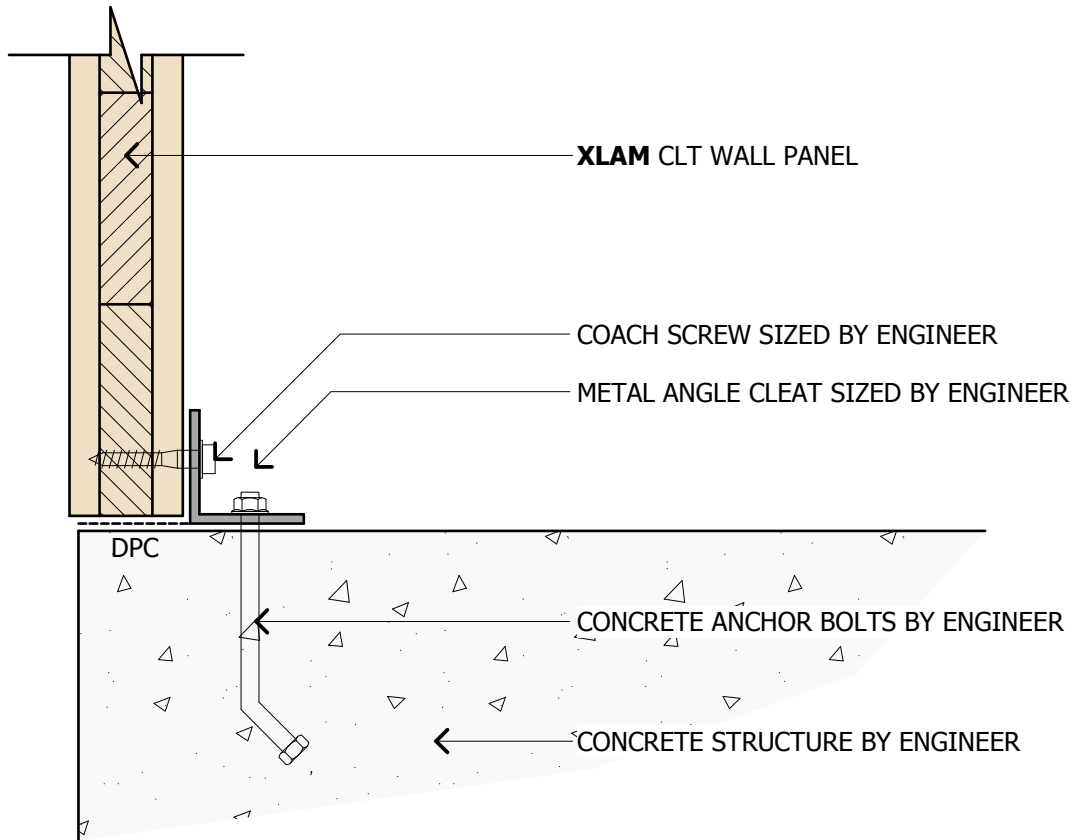
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**XLAM WALL TO CANTILEVER FLOOR**

V 1.1  
 Date: 08.05.13  
 Scale: 1:5 at A4

**PA 3.1**





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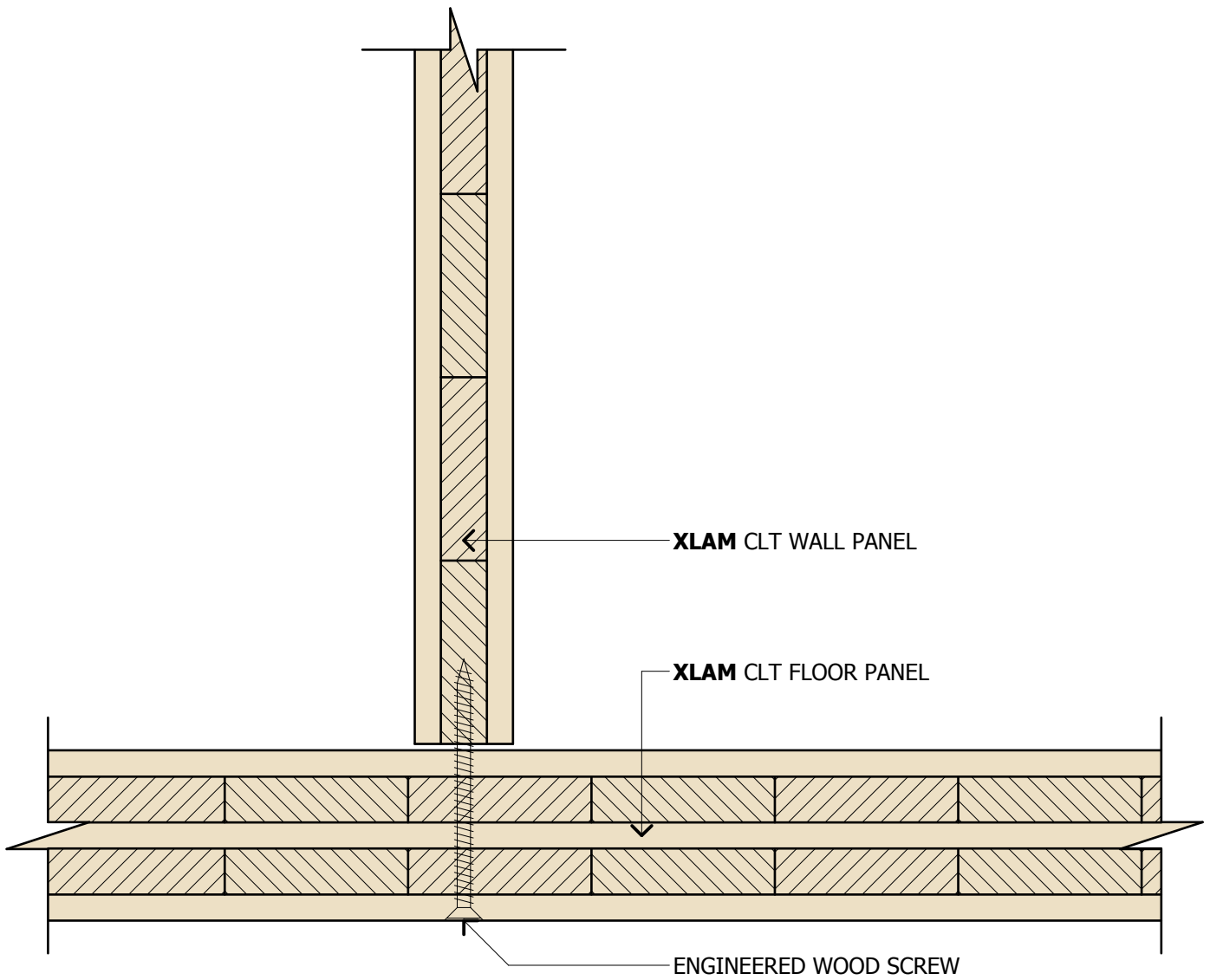


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## XLAM WALL BASE TO CONCRETE FLOOR

V 1.1
Date. 08.05.13
Scale. 1:5 at A4

**PA 3.2**



Edge distances and penetrations of engineered wood screws are to be specified by the Structural Engineer  
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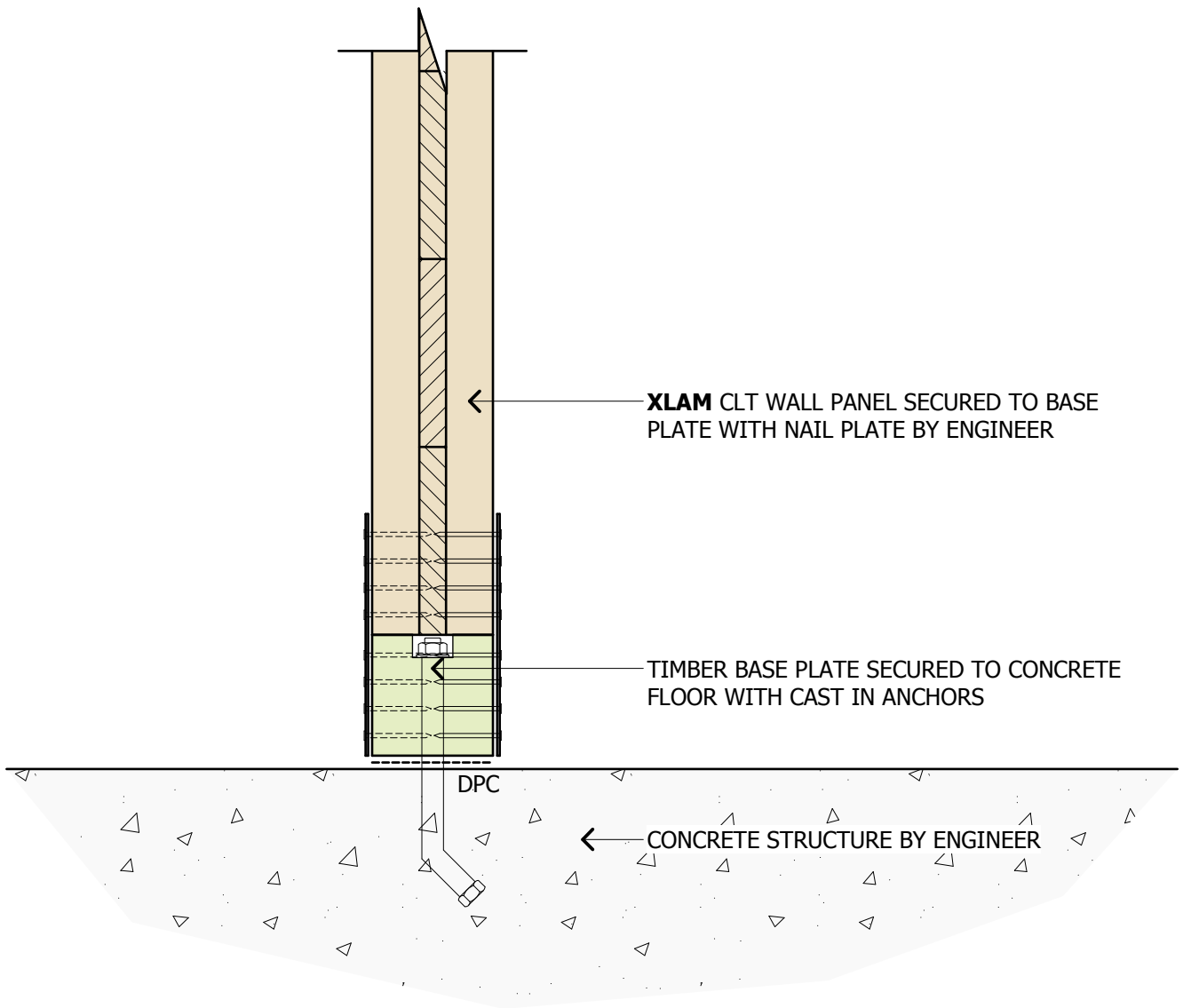


### XLAM INTERNAL WALL BASE TO XLAM FLOOR

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V 1.1
Date. 08.05.13
Scale. 1:5 at A4

**PA 3.3**



Edge distances and penetrations of engineered wood screws are to be specified by the Structural Engineer  
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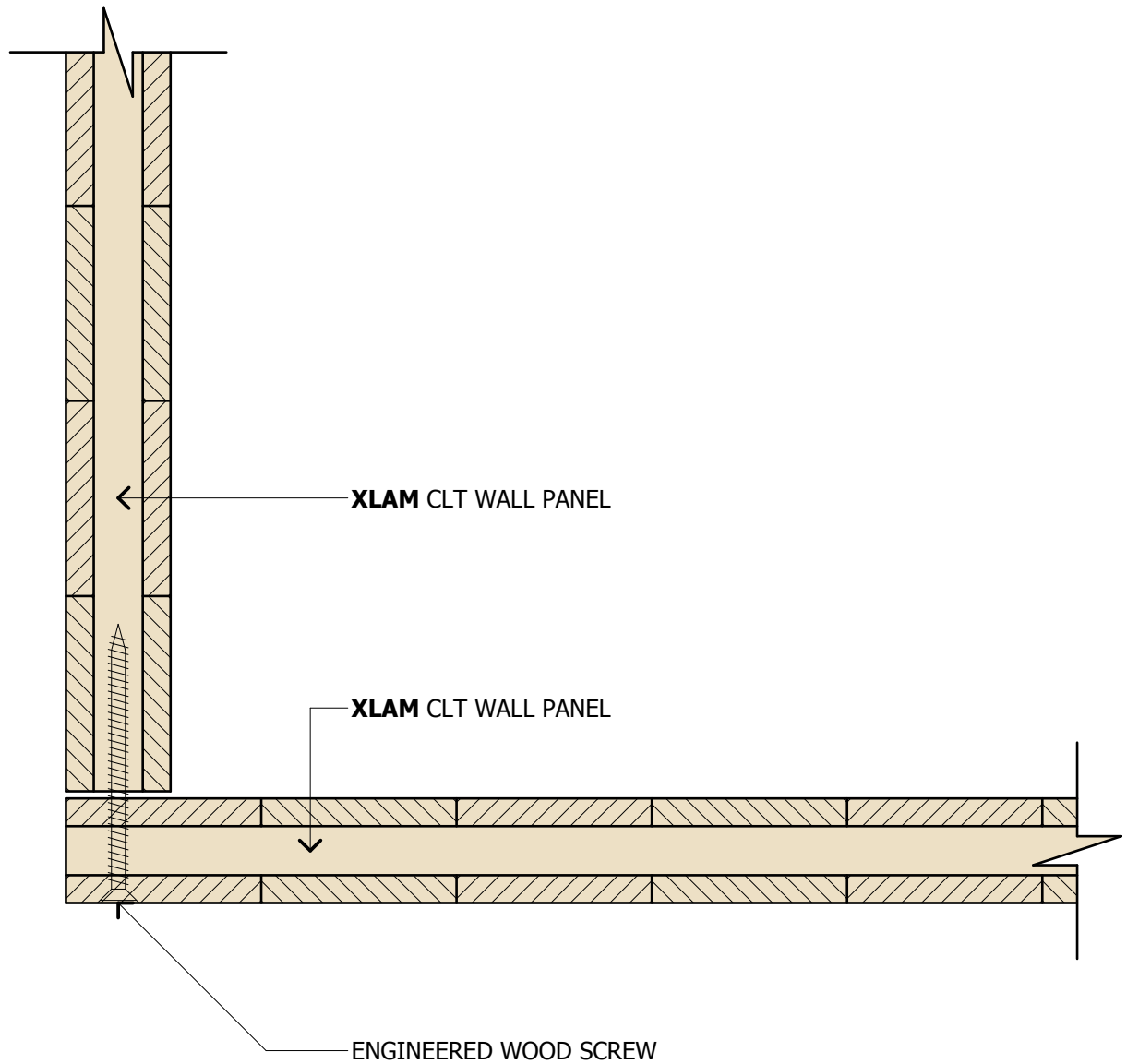
## XLAM INTERNAL WALL BASE TO CONCRETE FLOOR



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V 1.1  
 Date: 08.05.13  
 Scale: 1:5 at A4

**PA 3.4**



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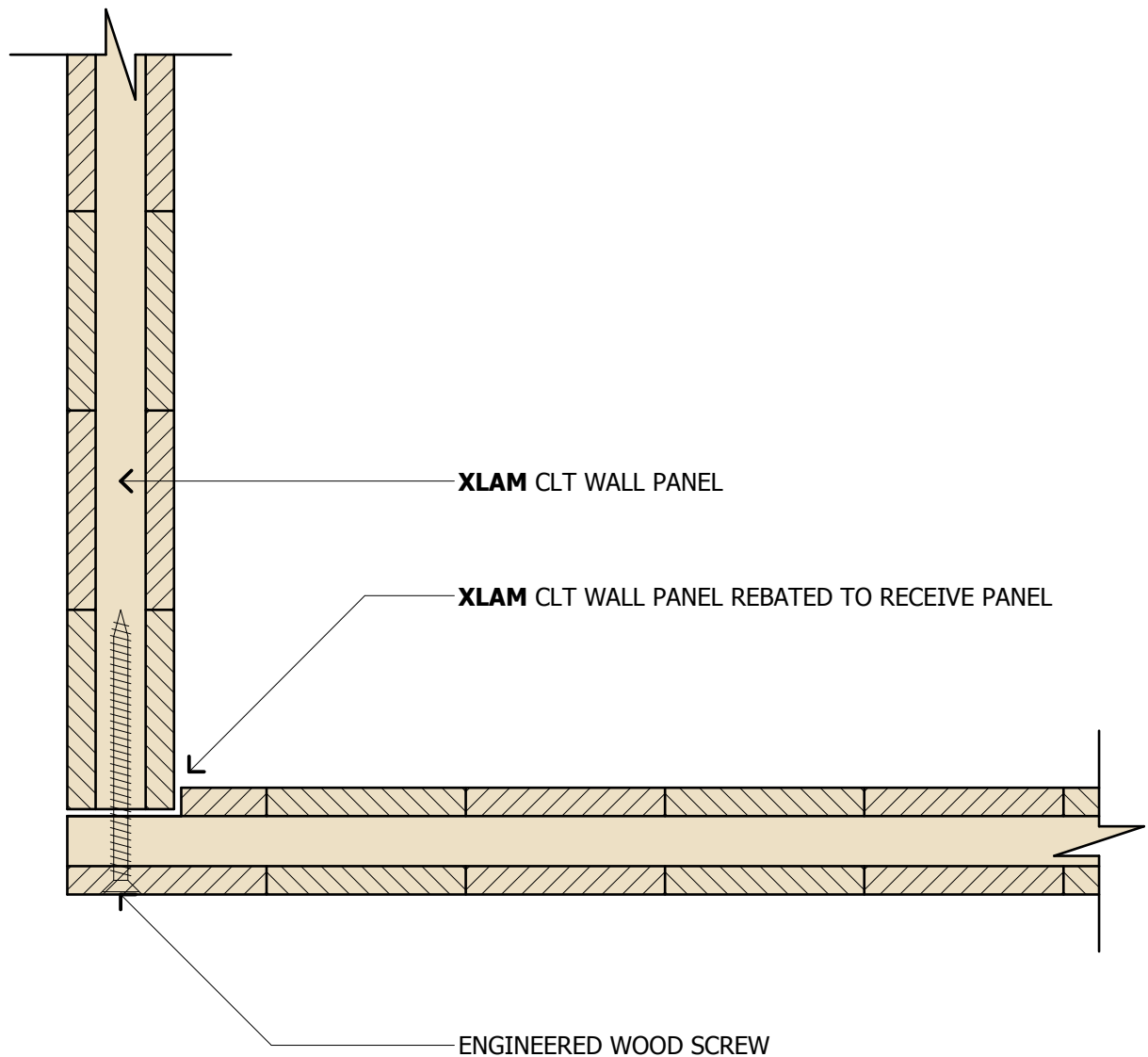
### XLAM WALL JUNCTION - PLAN DETAIL



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V 1.1  
 Date. 08.05.13  
 Scale. 1:5 at A4

**PA 3.5**



Edge distances and penetrations of engineered wood screws are to be specified by the Structural Engineer  
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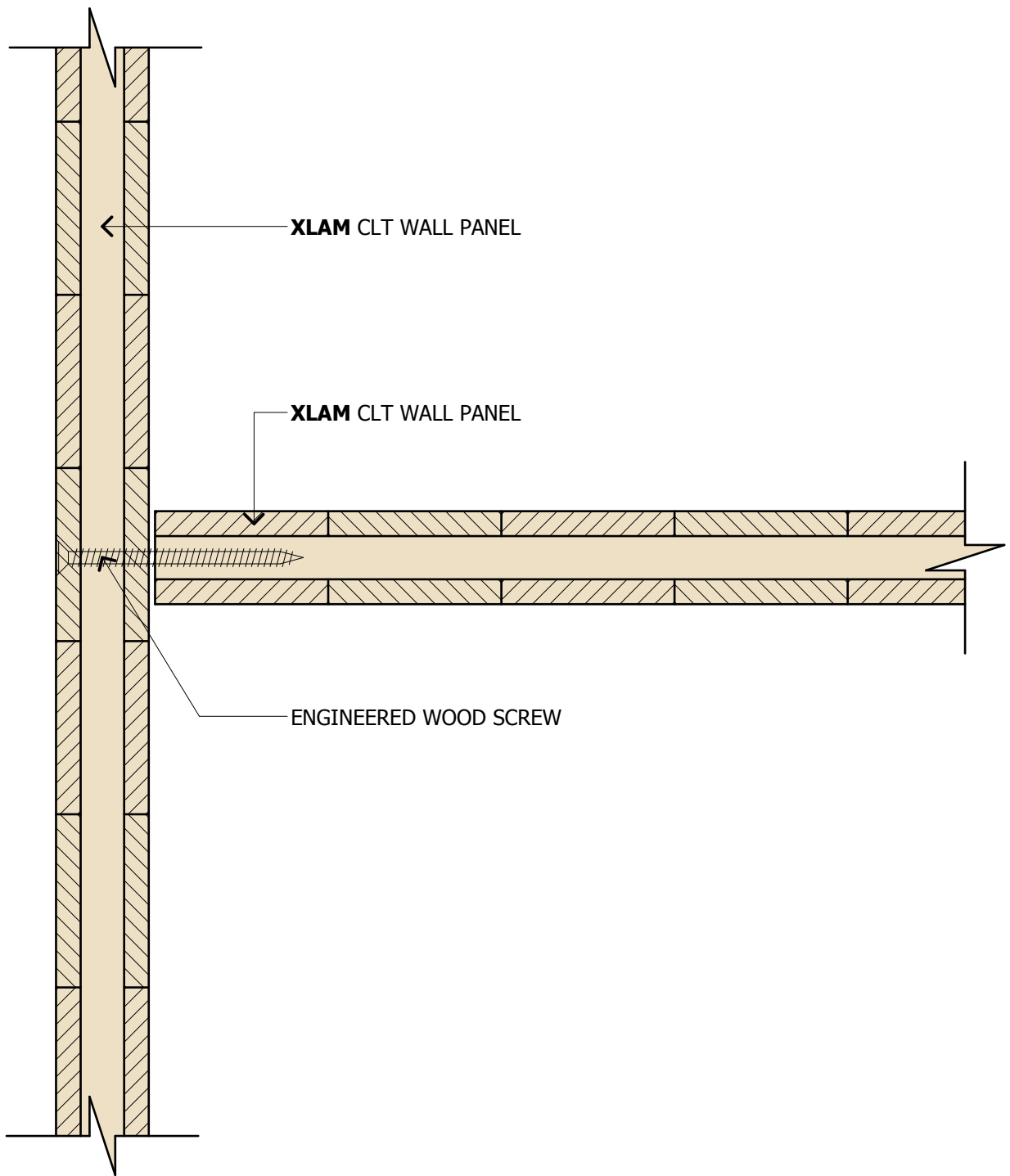
### XLAM REBATED WALL JUNCTION - PLAN DETAIL



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V 1.1  
 Date. 08.05.13  
 Scale. 1:5 at A4

**PA 3.6**



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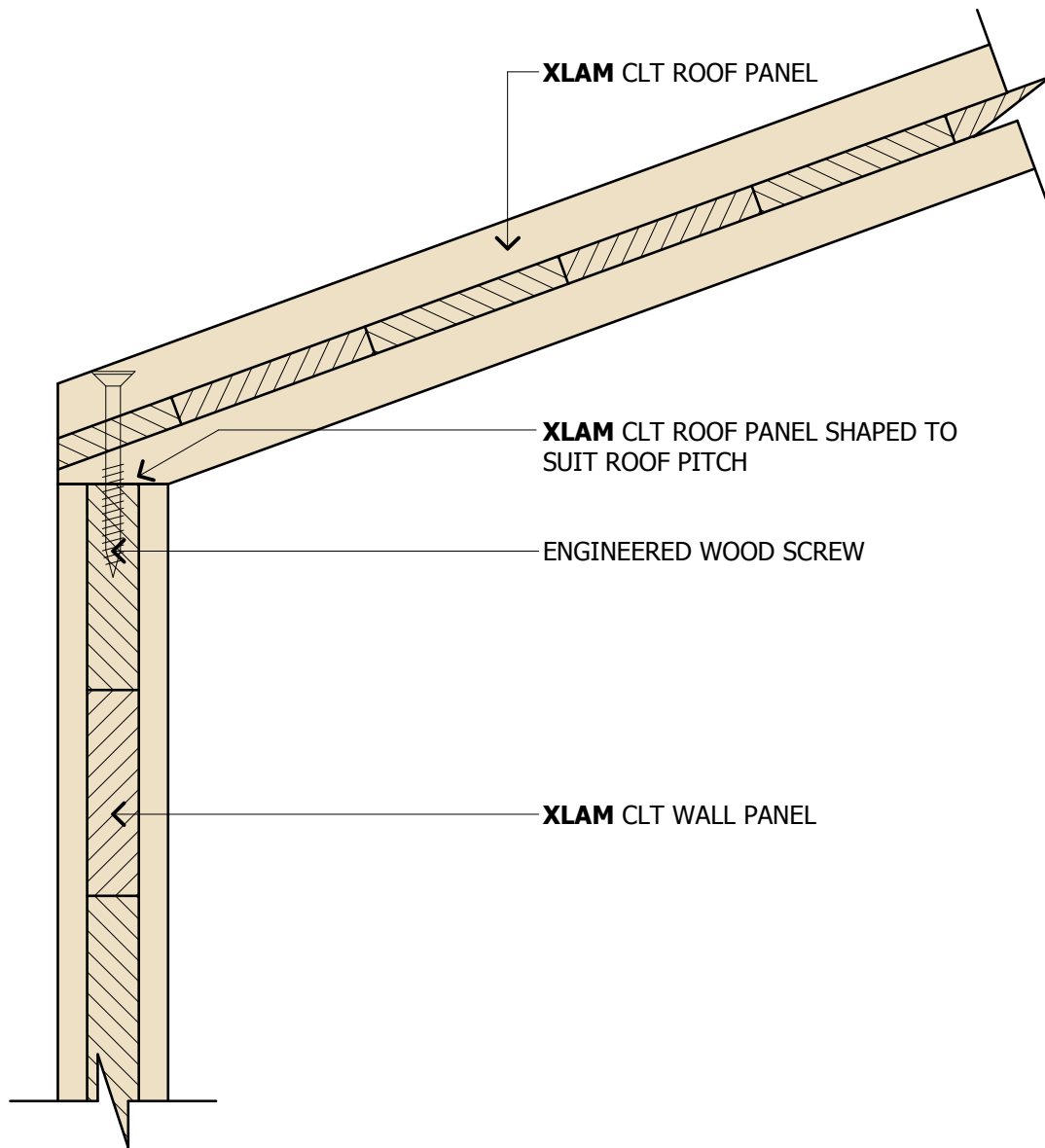


### XLAM WALL 'T' JUNCTION - PLAN DETAIL

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V 1.1
Date. 08.05.13
Scale. 1:5 at A4

**PA 3.7**



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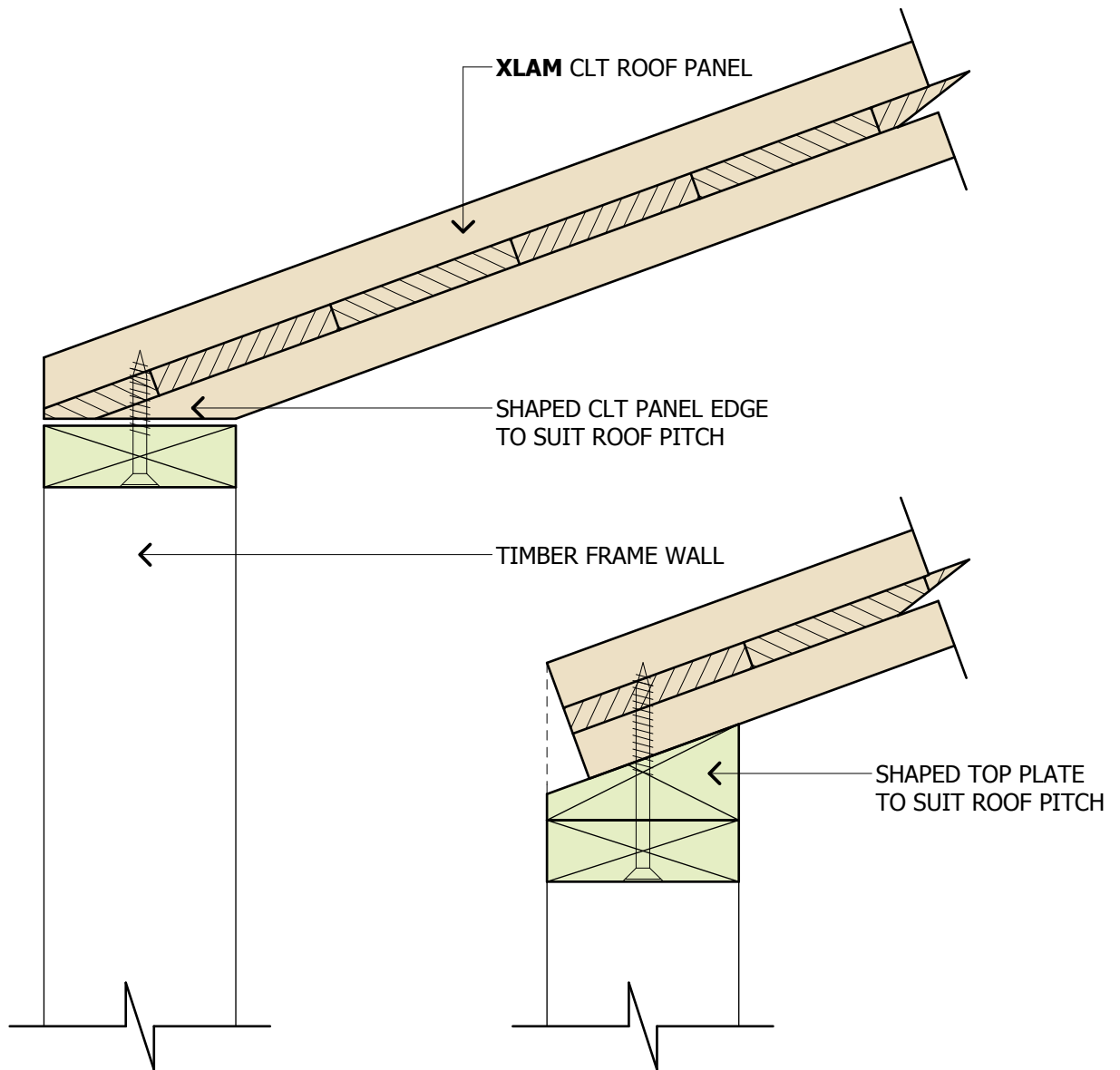


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### XLAM ROOF ON XLAM WALL

V 1.1
Date. 08.05.13
Scale. 1:5 at A4

**PA 4.1**



PA 4.2 (a) SHAPED PANEL EDGE PA 4.2 (b) SHAPED TOP PLATE

Edge distances and penetrations of engineered wood screws are to be specified by the Structural Engineer  
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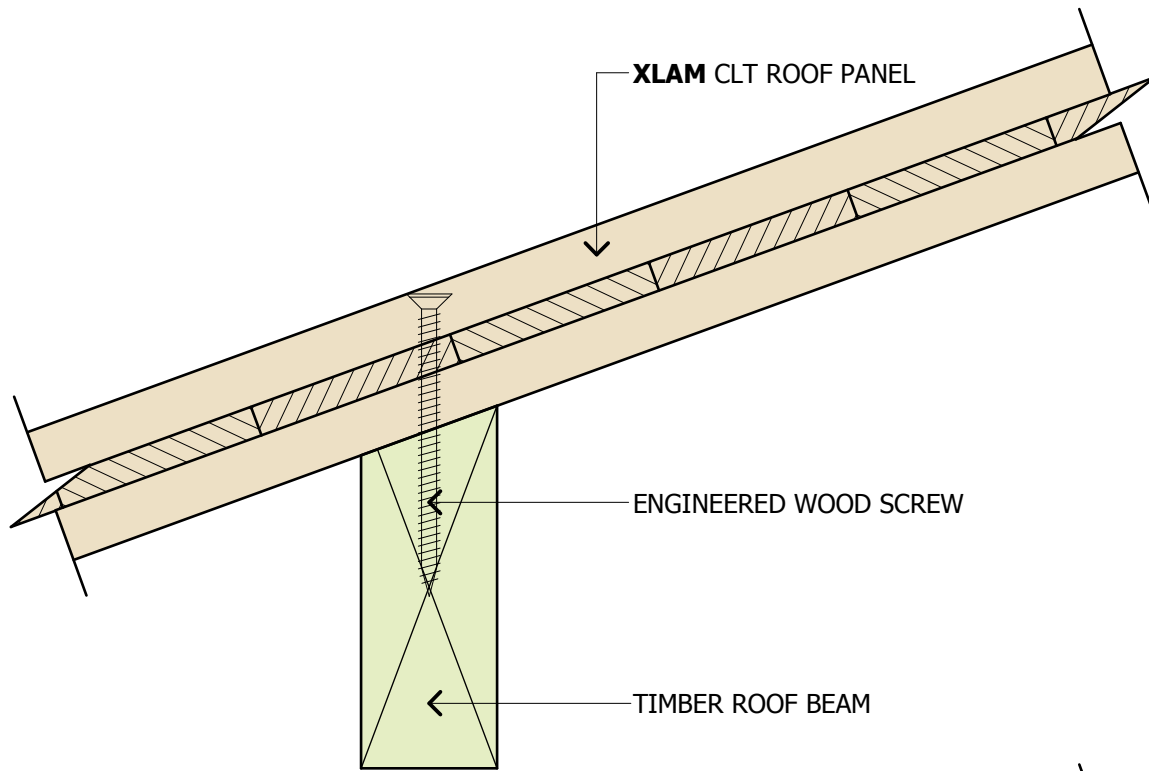
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**XLAM ROOF ON FRAMED WALL**

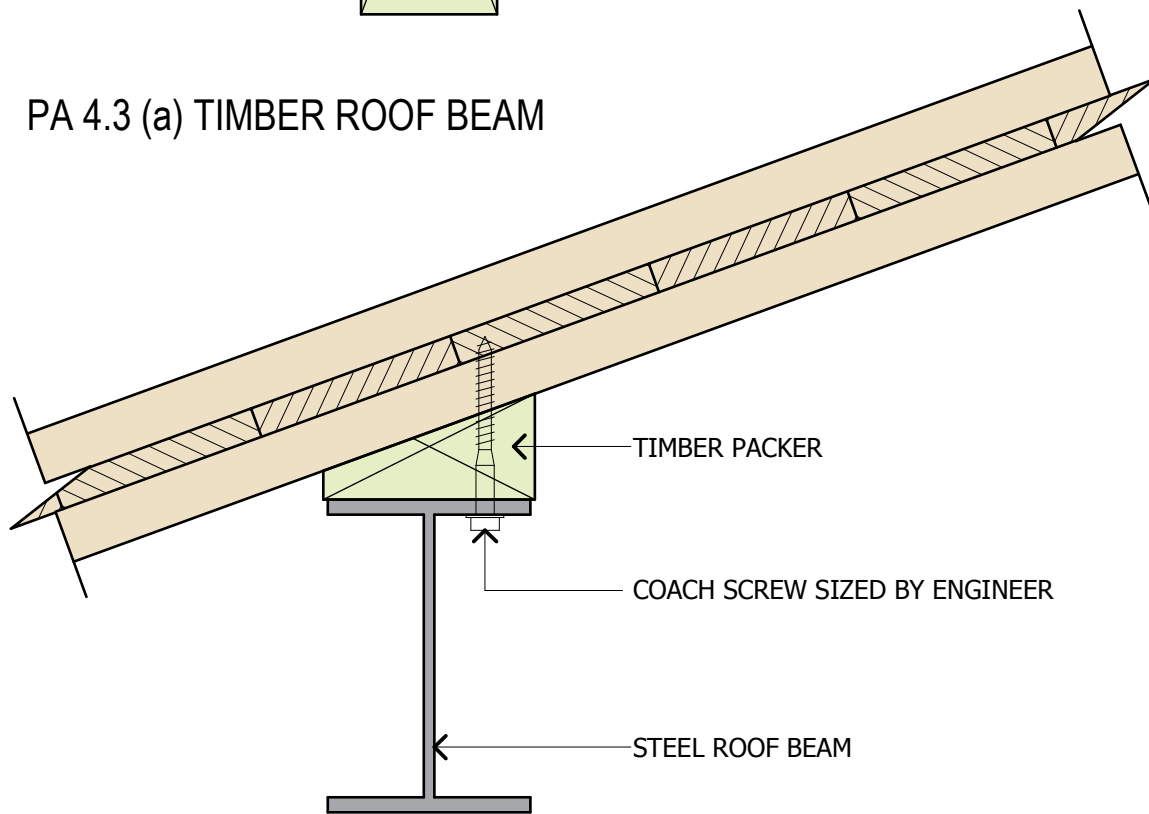
V 1.1  
 Date. 08.05.13  
 Scale. 1:5 at A4

**PA 4.2**





PA 4.3 (a) TIMBER ROOF BEAM



PA 4.3 (b) STEEL ROOF BEAM

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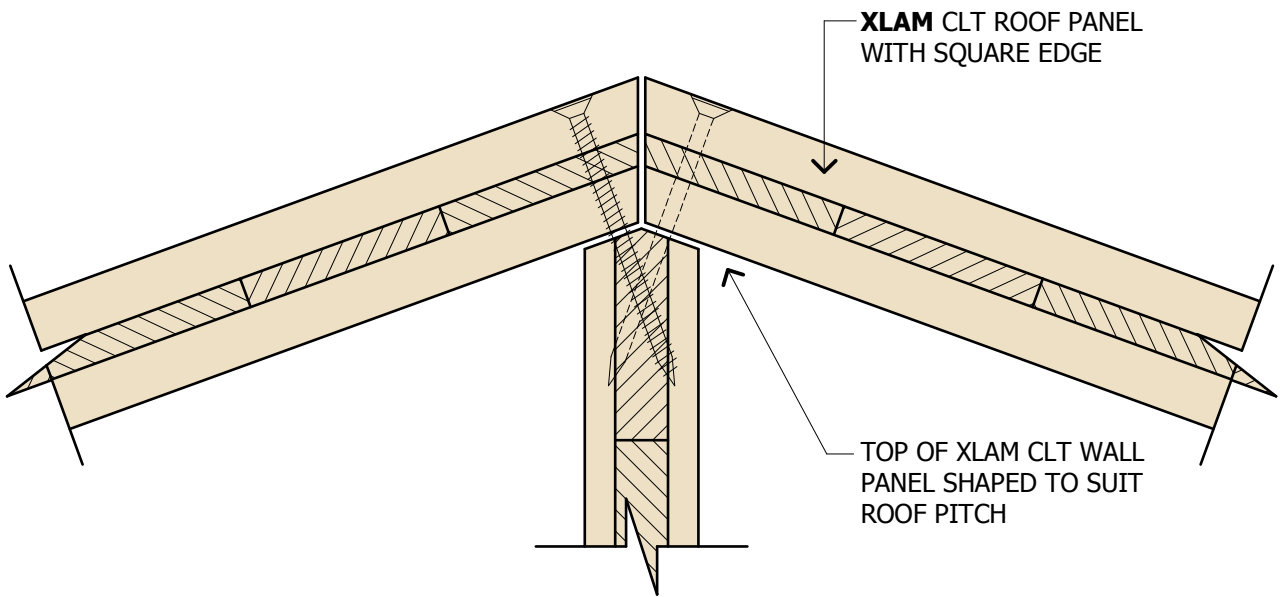


### XLAM ROOF PANEL ON INTERMEDIATE ROOF BEAM

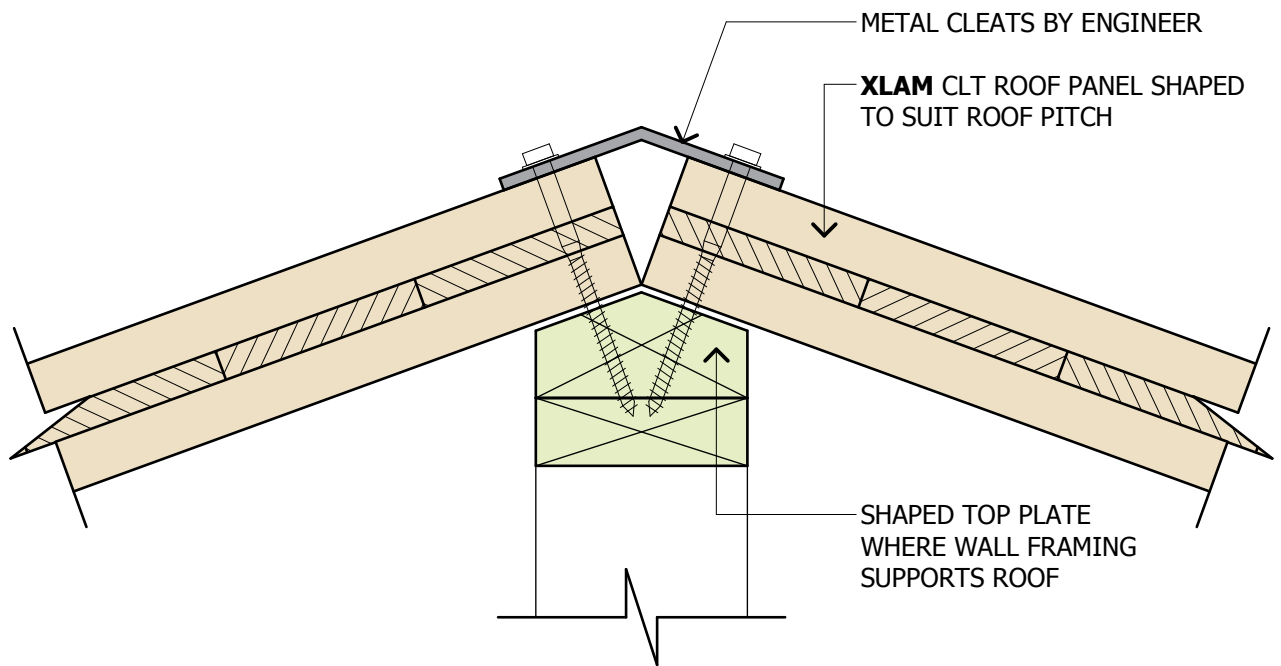
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V 1.1
Date. 08.05.13
Scale. 1:5 at A4

**PA 4.3**



PA 4.4 (a) SQUARE EDGE PANEL AT RIDGE



PA 4.4 (b) SHAPED EDGE PANEL AT RIDGE

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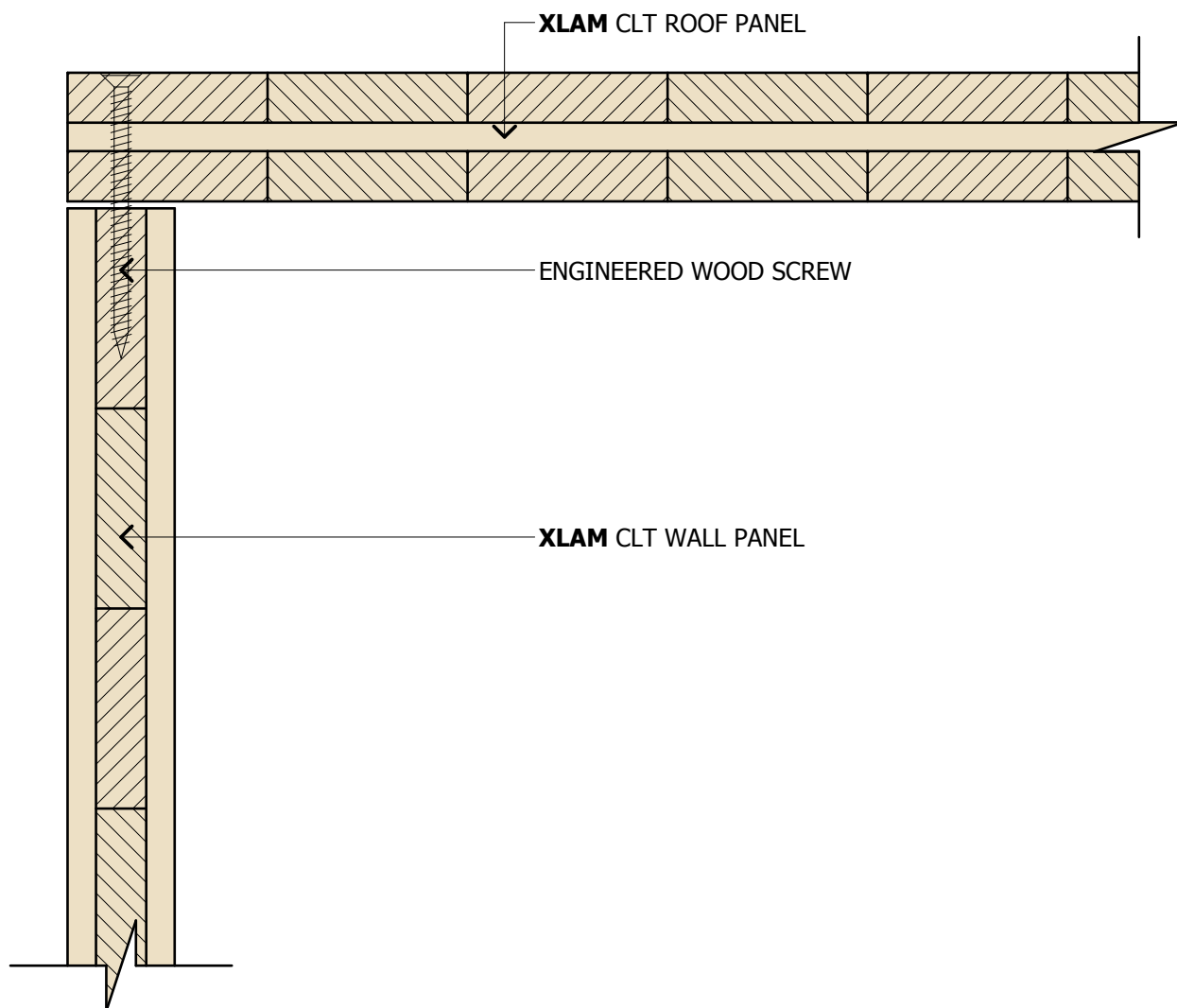


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## XLAM PANEL TO PANEL RIDGE CONNECTION

V 1.1  
 Date: 08.05.13  
 Scale: 1:5 at A4

**PA 4.4**



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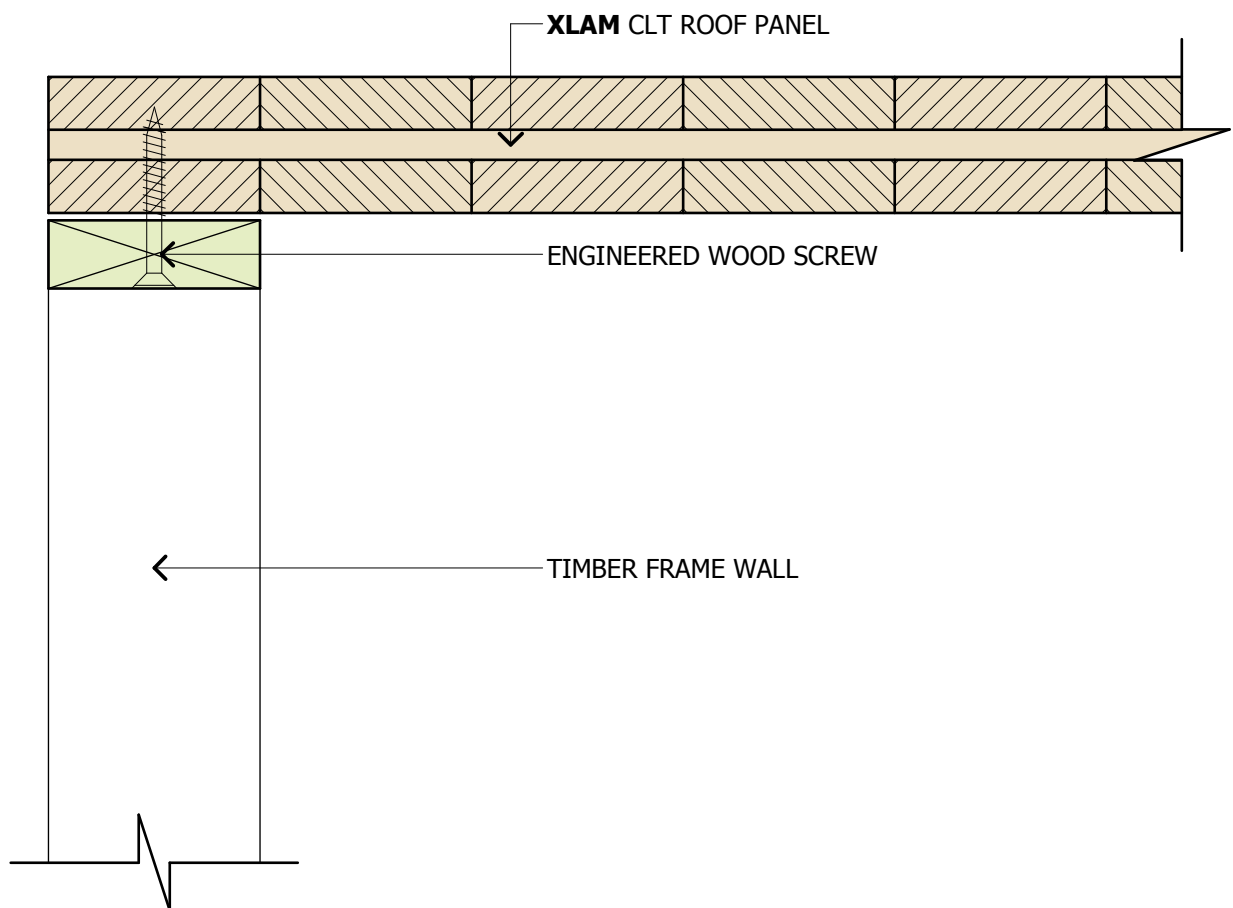


### XLAM ROOF PANEL ON XLAM WALL PANEL AT BARGE

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V 1.1
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**PA 4.5**



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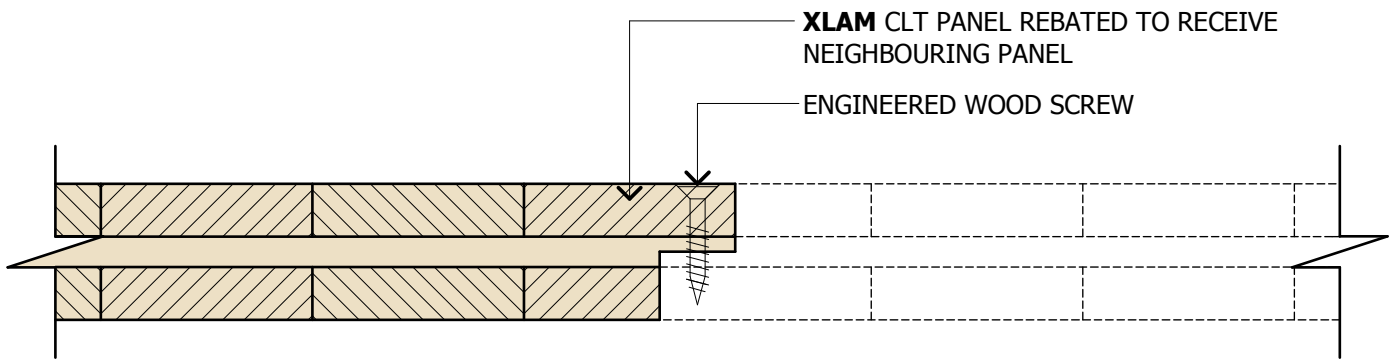


## XLAM ROOF PANEL ON FRAMED WALL AT BARGE

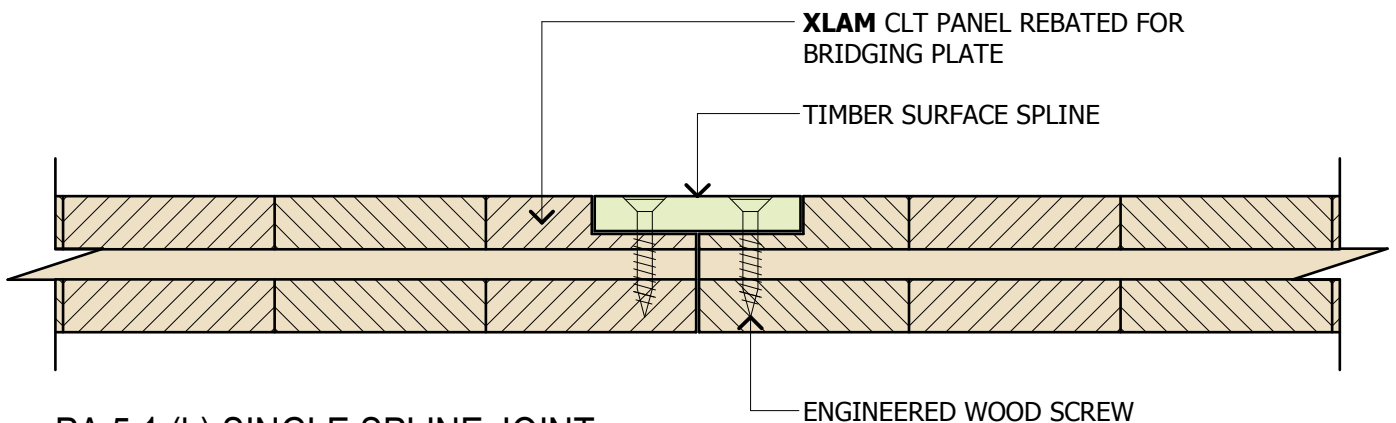
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V 1.1  
 Date. 08.05.13  
 Scale. 1:5 at A4

**PA 4.6**



PA 5.1 (a) HALF LAP JOINT



PA 5.1 (b) SINGLE SPLINE JOINT

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**XLAM PANEL TO PANEL CONNECTION**



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**PA 5.1**