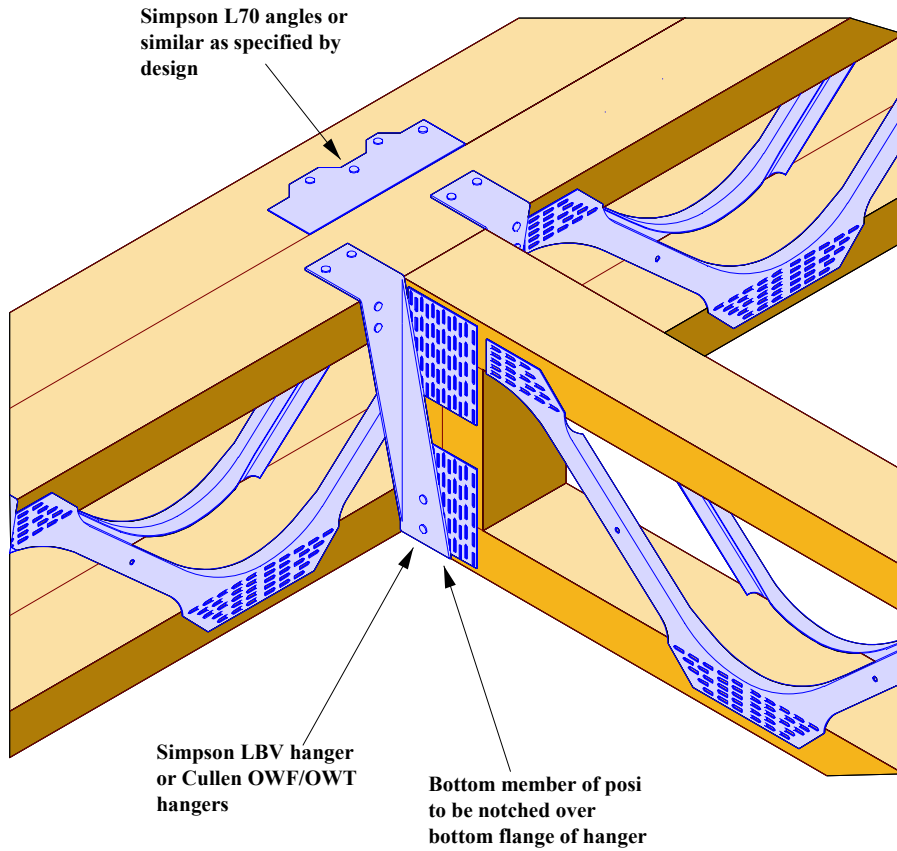


Strap fixed with a min of four fixings of which at least one is to be over the third joist.

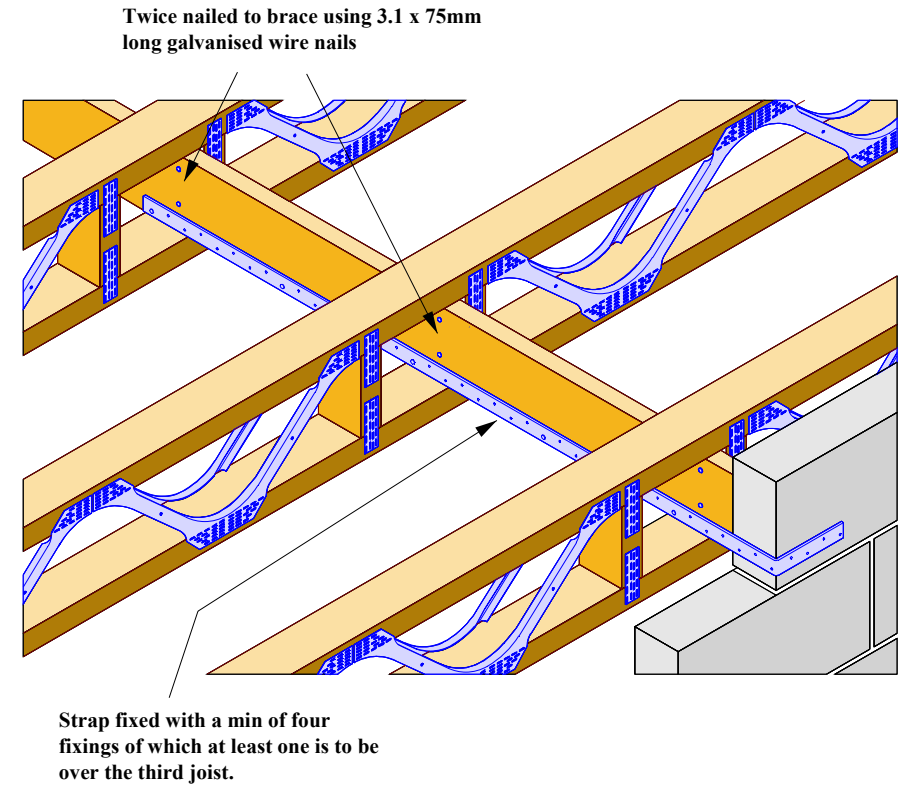
HORIZONTAL RESTRAINT STRAPS

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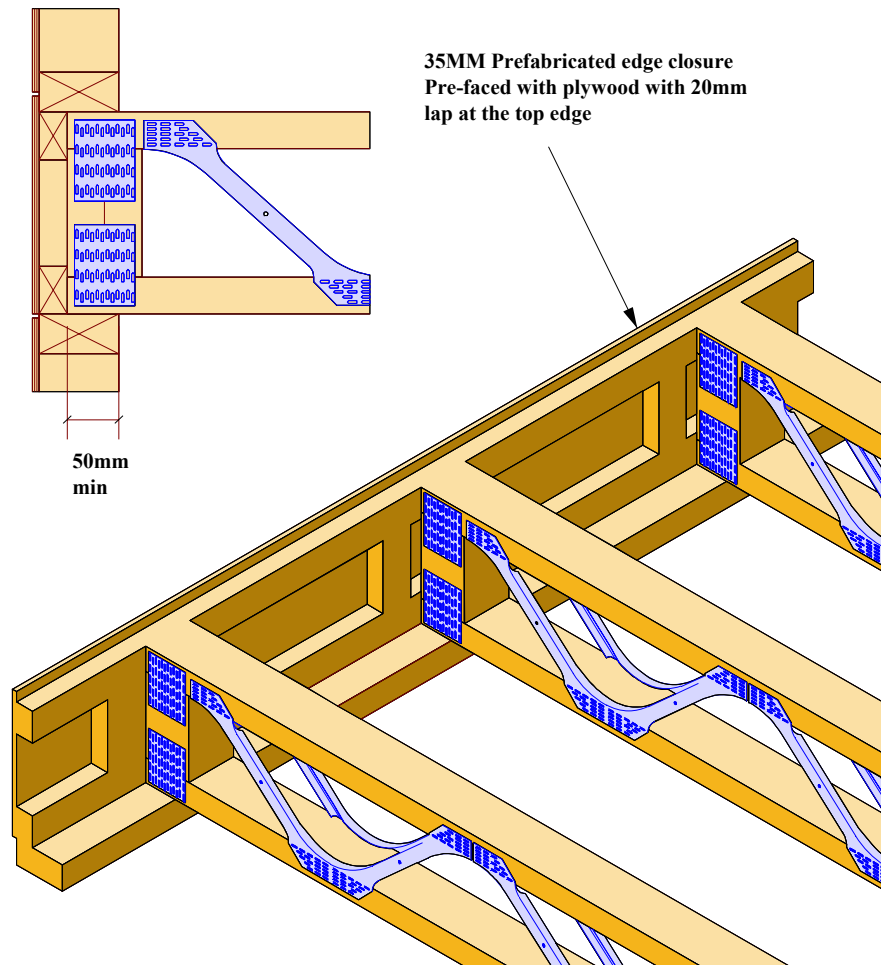
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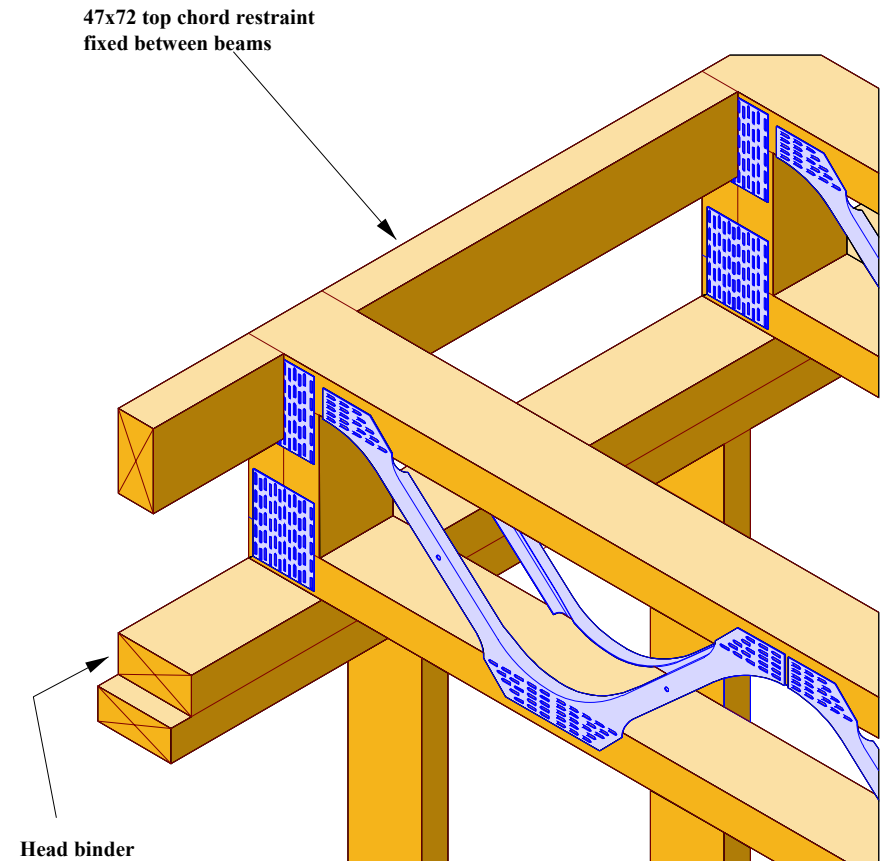
POSI-JOIST TO GIRDER DETAIL



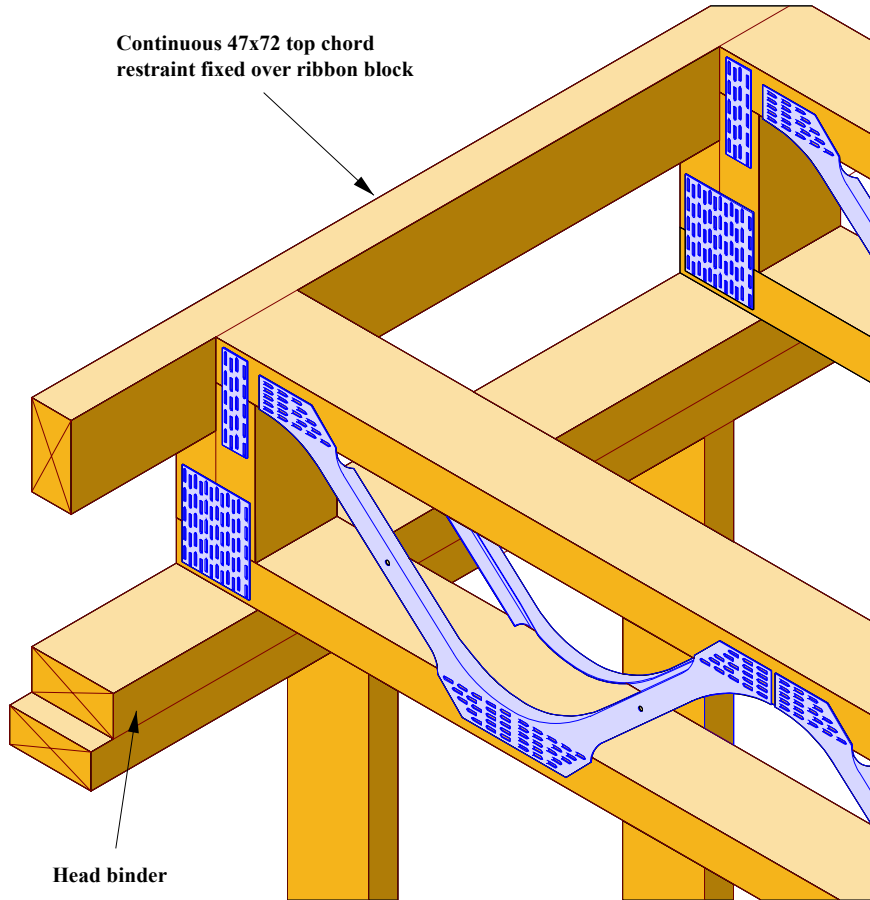
**HORIZONTAL RESTRAINT STRAPS
FIXED DIRECTLY TO STRONGBACK**



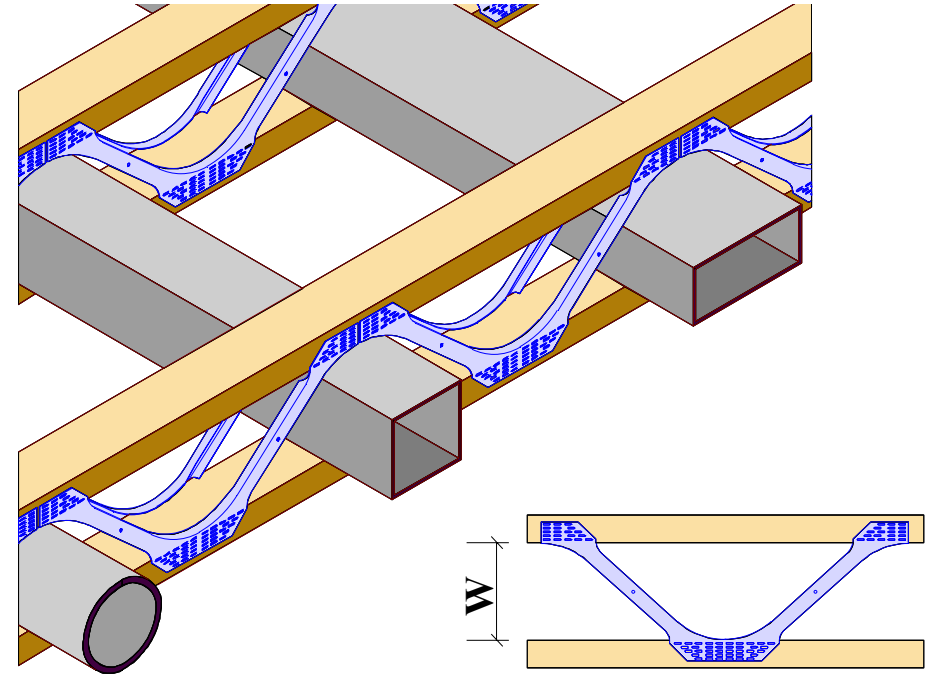
EDGE CLOSURE DETAILS



**BOTTOM CHORD FIXING TO TIMBER
FRAME (WITH RESTRAINT NOGGINS)**



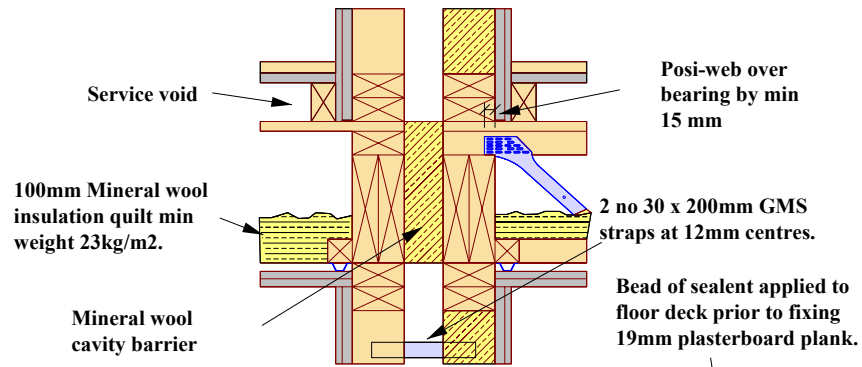
**BOTTOM CHORD FIXING TO TIMBER
FRAME (WITH CONTINUOUS RESTRAINT)**



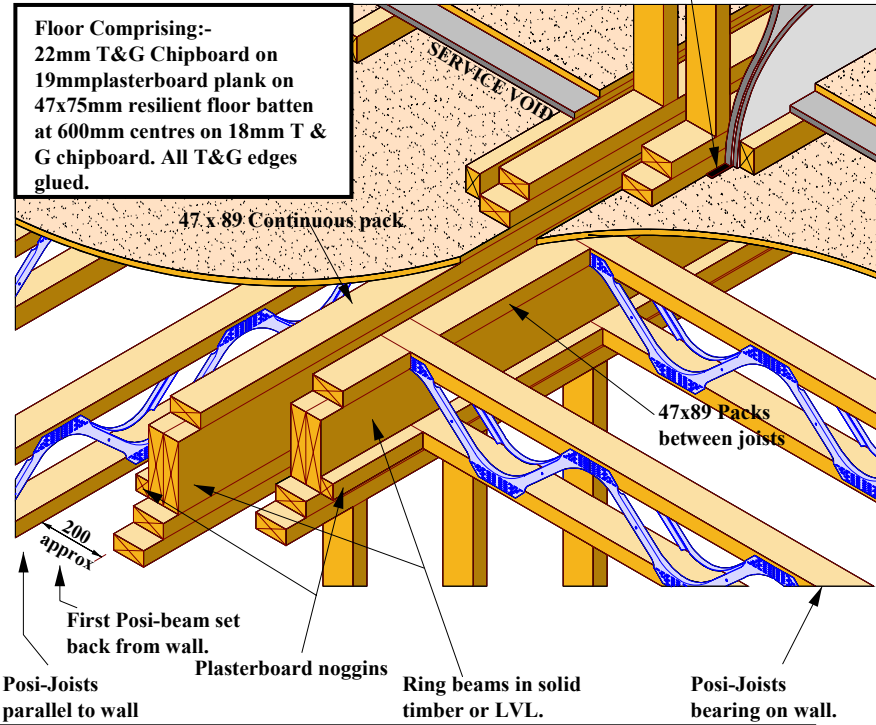
POST JOIST SIZE	W	CIRCLE DIA	SQUARE	RECTANGLE DEPTH											
				50	75	100	125	150	175	200	225	250	275	300	
				RECTANGLE WIDTH											
PS-8	108	105	95	270	180	90	-	-	-	-	-	-	-		
PS-9	134	130	115	310	240	180	100	-	-	-	-	-	-		
PS-10	159	150	135	320	270	210	160	80	-	-	-	-	-		
PS-210	210	190	155	350	310	260	210	160	110	70	-	-	-		
PS-14	286	250	200	490	440	390	350	300	250	200	160	110	60		
PS-16	324	275	220	510	470	430	390	340	300	260	220	170	130	90	

**INSERT LARGE SERVICES THROUGH JOISTS
BEFORE FIXING JOISTS. IT MAY NOT BE
POSSIBLE AFTER JOISTS HAVE BEEN FIXED**

MAXIMUM DUCT SIZES

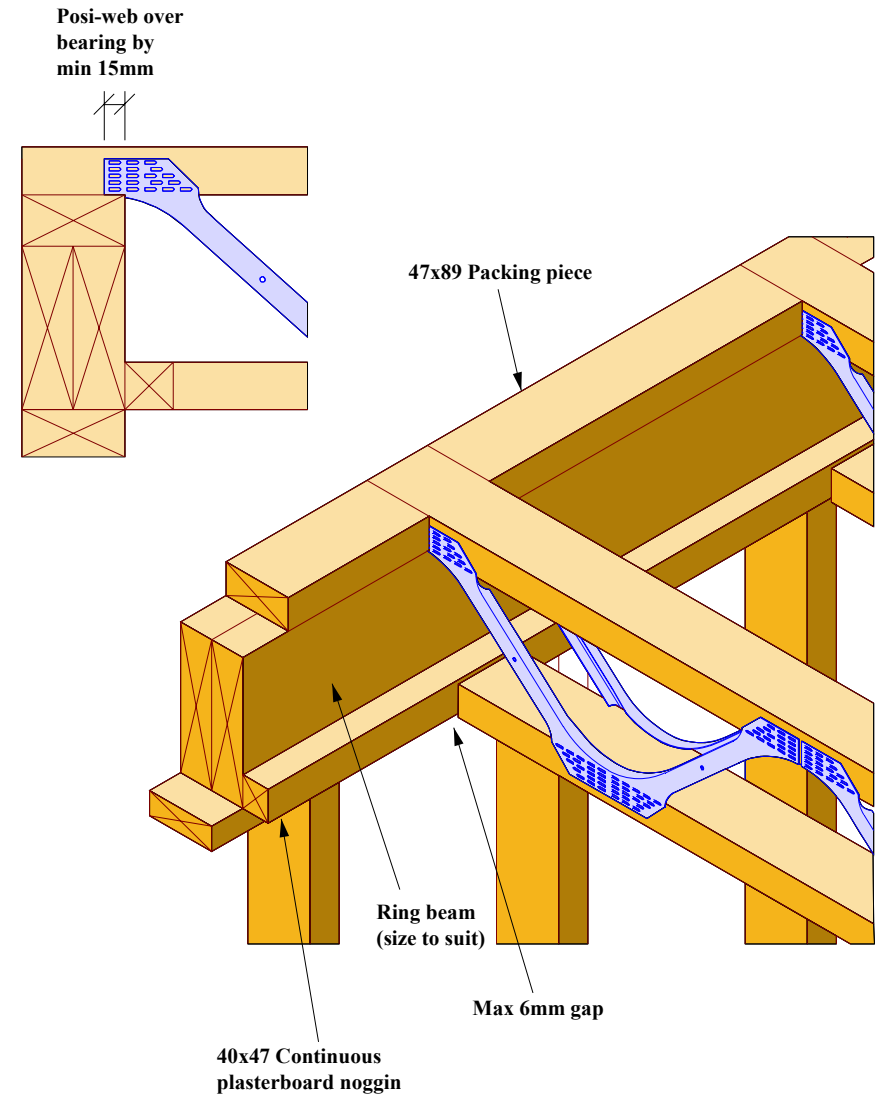


Floor Comprising:-
22mm T&G Chipboard on 19mm plasterboard plank on 47x75mm resilient floor batten at 600mm centres on 18mm T & G chipboard. All T&G edges glued.



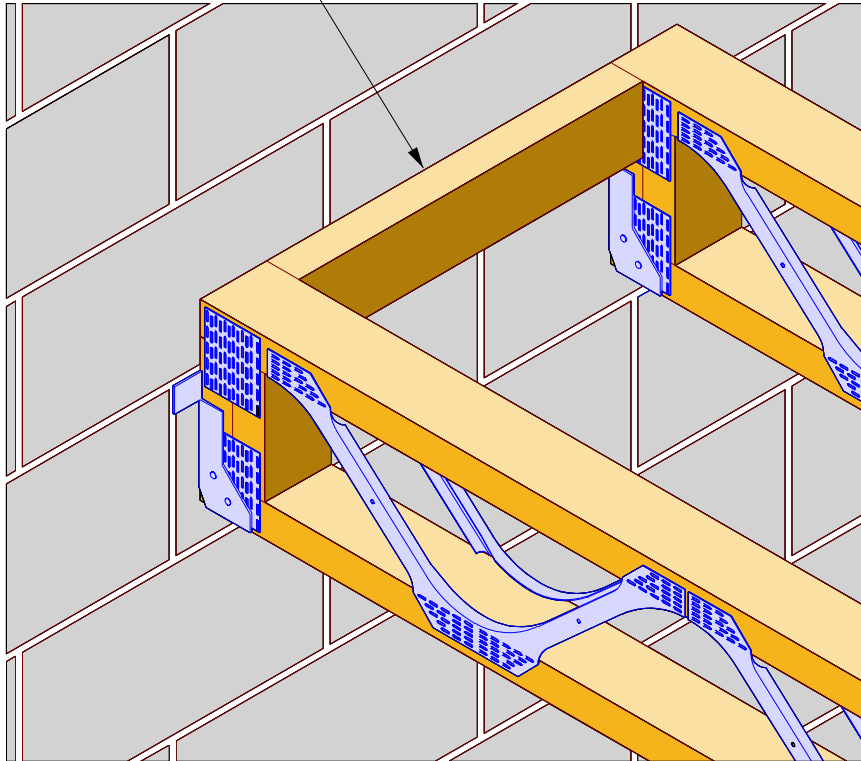
Ceiling (not shown) comprising:-
2 Layers 15mm Gyproc Fireline Board on 16mm resilient bars at 400mm centres. First layer fixed with 38mm Gyproc screws at 230mm centres. Second layer fixed with 60mm Gyproc screws at 230mm centres. Staggered with first layer screws. Lay Fireline board in echelon pattern with staggered joints.

TIMBER FRAME PARTY WALL (WITH SERVICE VOID)



TOP CHORD FIXING TO TIMBER FRAME

47x72 top chord restraint
fixed between beams



Minimum bearing determined by design (choose correct hanger for load. Bearing width and coursework level of hanger bearing flange).

MASONRY HANGER DETAIL

100mm Mineral
wool insulation quilt
min weight 23kg/m2.

Mineral wool
cavity barrier

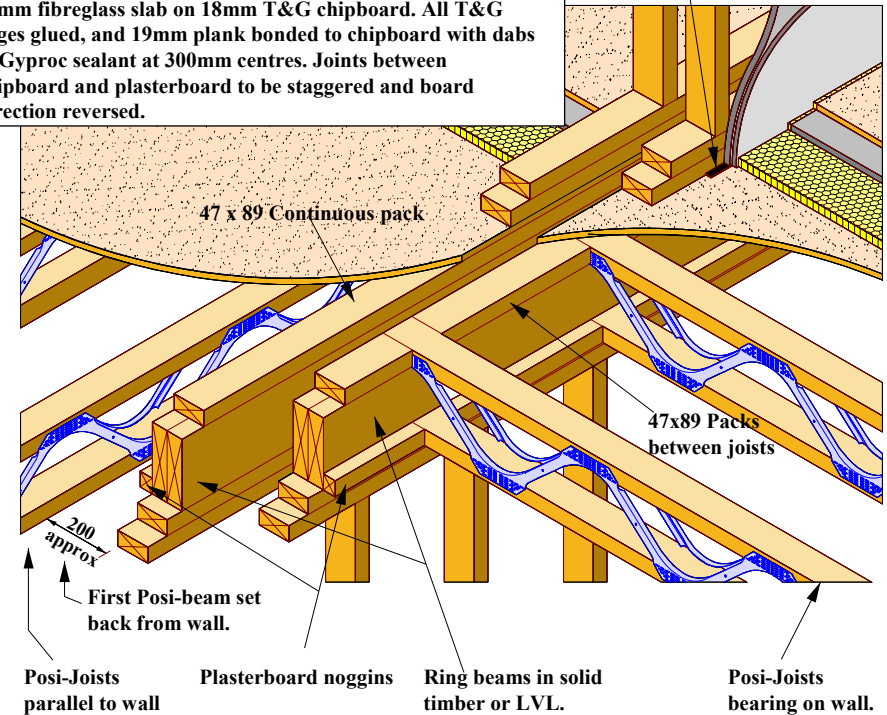
Posi-web over
bearing by min
15mm

2 no 30 x 200mm GMS
straps at 12mm centres.

Floor Comprising:-

18mm T&G Chipboard on 19mm plasterboard plank on 25mm fibreglass slab on 18mm T&G chipboard. All T&G edges glued, and 19mm plank bonded to chipboard with dabs of Gyproc sealant at 300mm centres. Joints between chipboard and plasterboard to be staggered and board direction reversed.

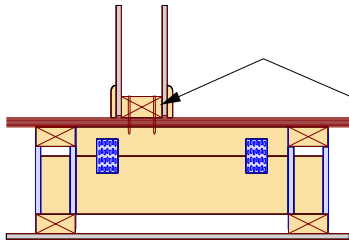
Bead of sealant applied to
floor deck prior to fixing
19mm plasterboard plank.



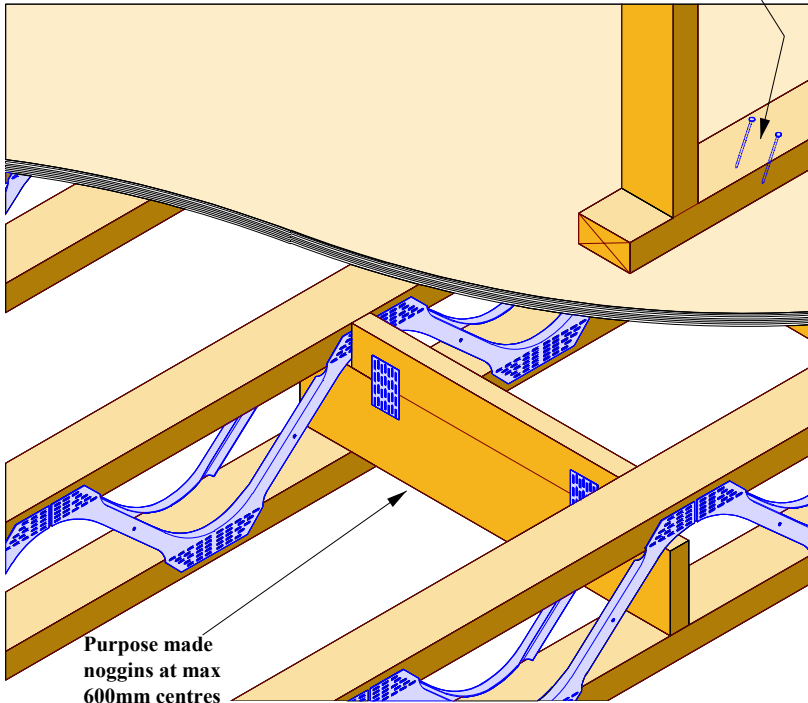
Ceiling (not shown) comprising:-

2 Layers 15mm Gyproc Fireline Board on 16mm resilient bars at 400mm centres. First layer fixed with 38mm Gyproc screws at 230mm centres. Second layer fixed with 60mm Gyproc screws at 230mm centres. Staggered with first layer screws. Lay Fireline board in echelon pattern with staggered joints.

TIMBER FRAME PARTY WALL



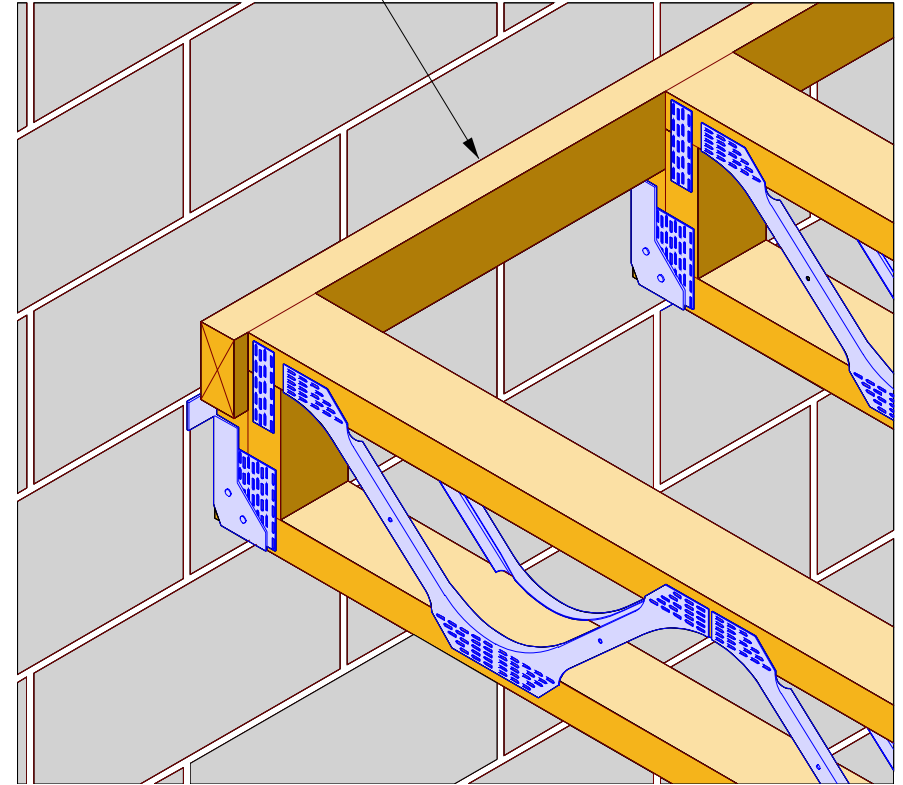
Wall panel skew nailed through onto noggin with a min of 2 no 3.35 dia galvanised wire nails, length to suit



Purpose made
noggins at max
600mm centres

NON-LOADBEARING PARTITIONS ABOVE AND PARALLEL TO FLOOR BEAMS

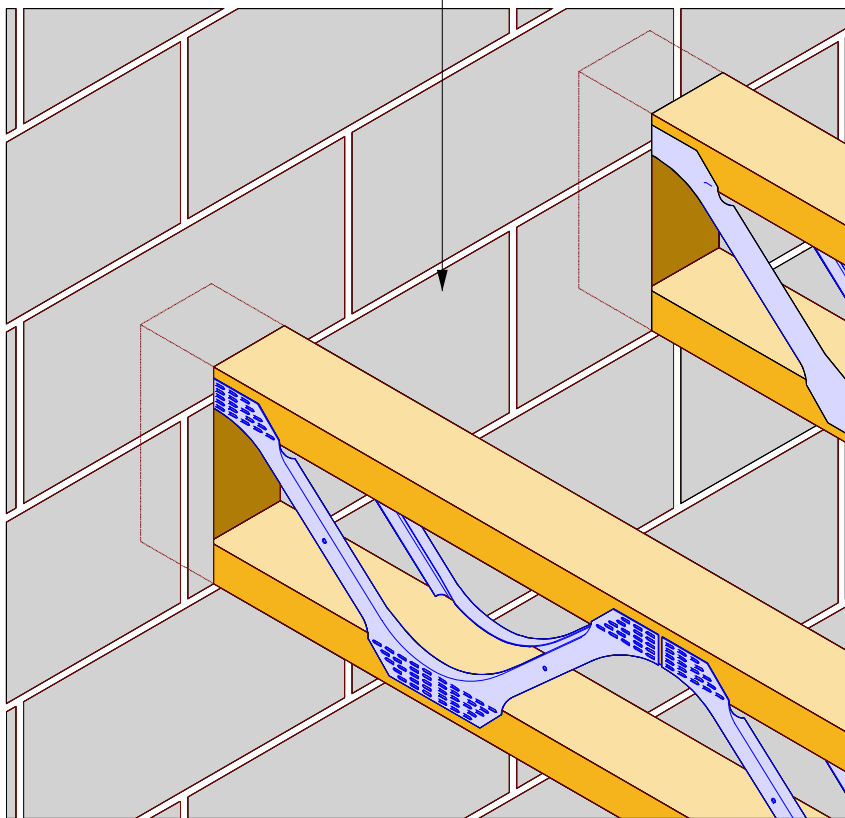
Continuous 47x72 ledger
fixed over ribbon block



Minimum bearing determined by design (choose correct hanger for load. Bearing width and coursework level of hanger bearing flange).

MASONRY HANGER DETAIL (WITH CONTINUOUS LEDGER)

Blockwork to continue between beams to provide restraint



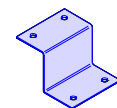
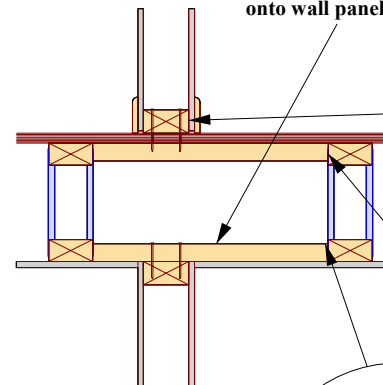
(DTLR Robust Detail For Thermal Bridging should be observed)

Note: This is Not Allowed On External Walls

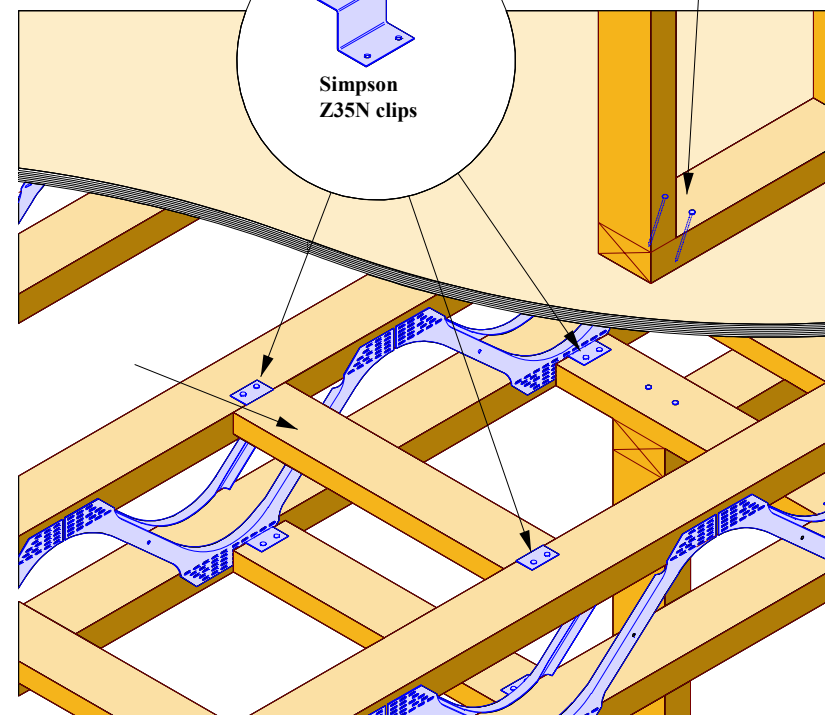
**BOTTOM CHORD BUILT
INTO MASONRY**

Noggin nailed down
onto wall panel

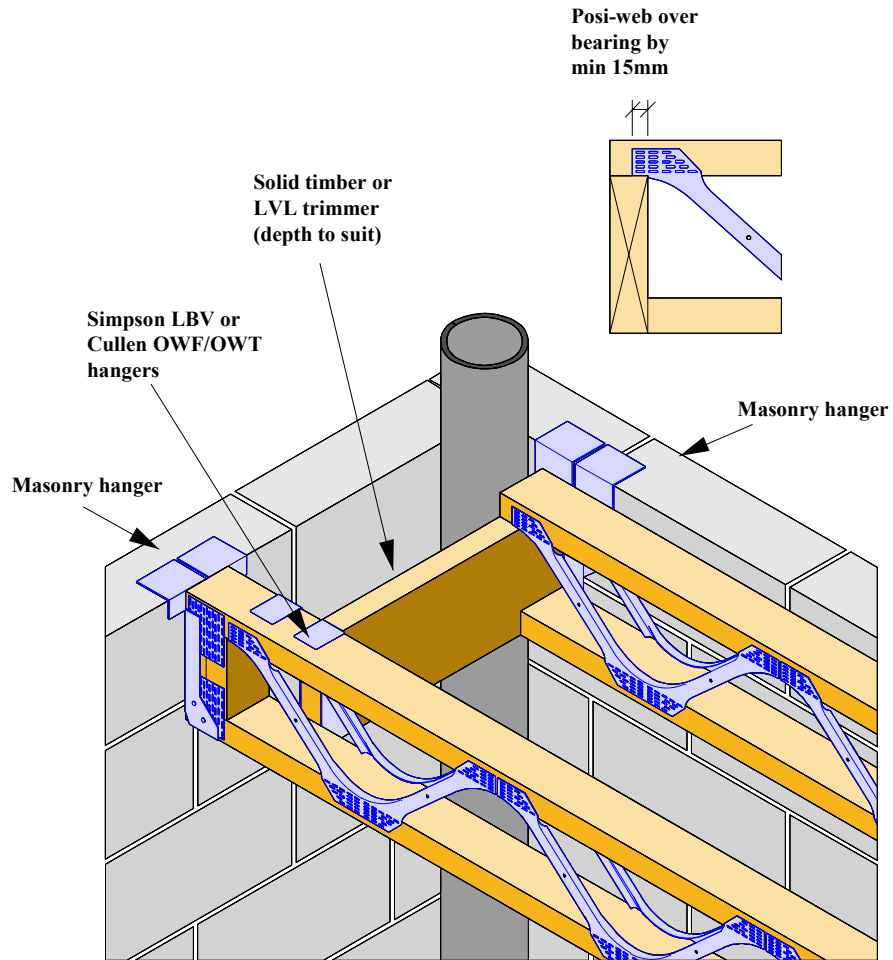
Wall panel skew nailed through onto
noggin with a min of 2 no 3.35 dia
galvanised wire nails, length to suit



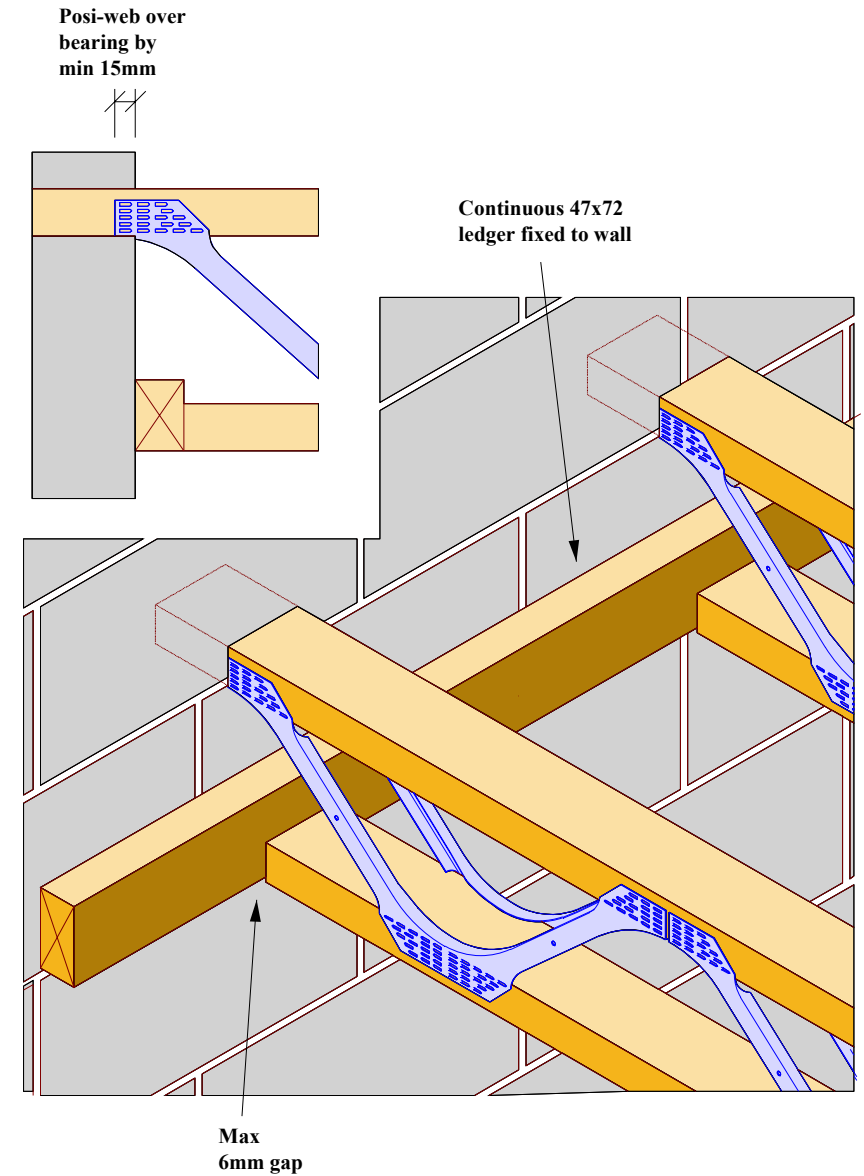
Simpson
Z35N clips



**NON-LOADBEARING PARTITIONS
PARALLEL TO FLOOR BEAMS**



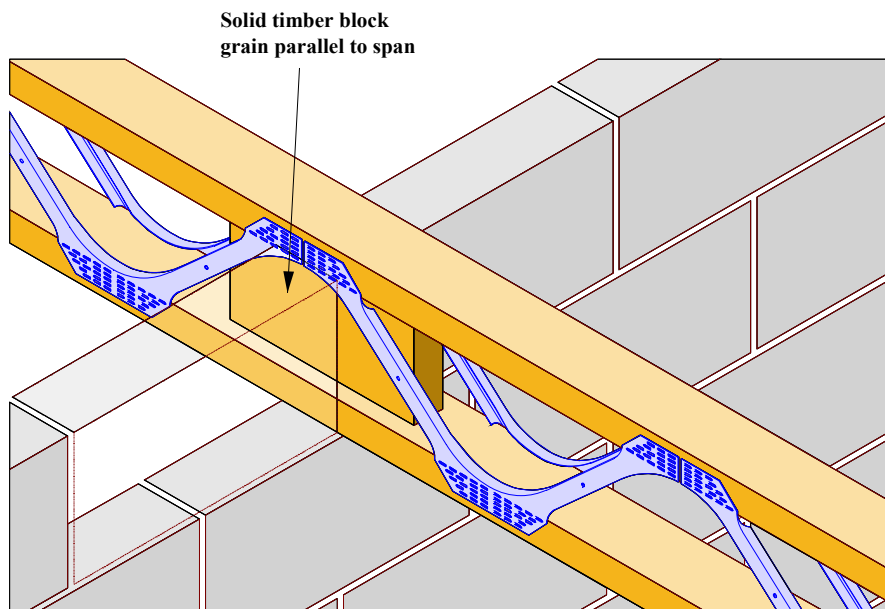
FIXING ROUND SOIL VENT PIPE USING TRIMMER



(DTLR Robust Detail For Thermal Bridging should be observed)

Note: This is Not Allowed On External Walls

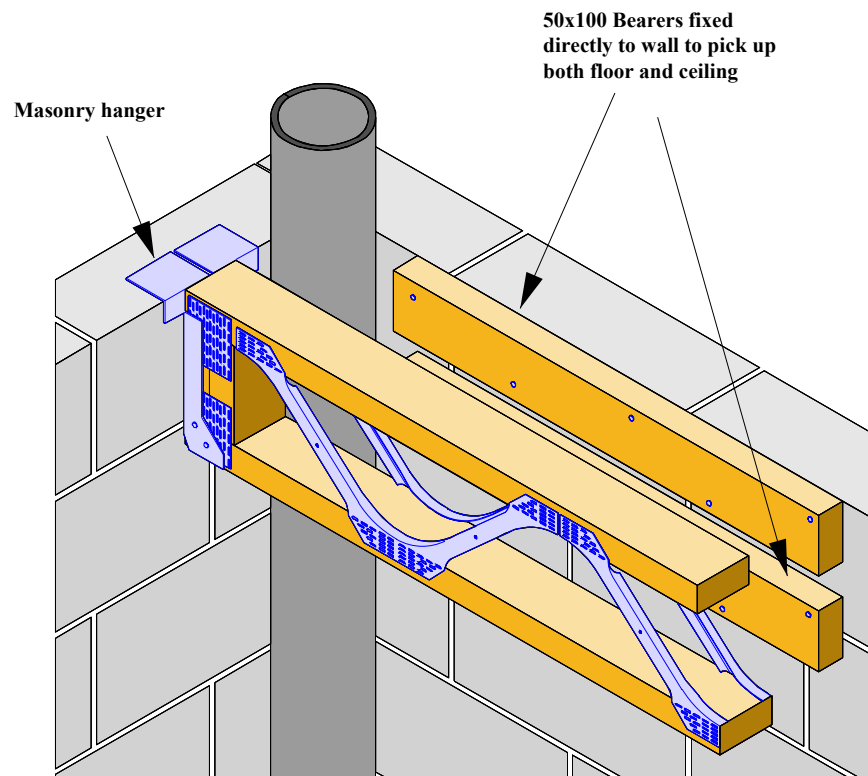
TOP CHORD BUILT INTO MASONRY



(DTLR Robust Detail For Thermal Bridging should be observed)

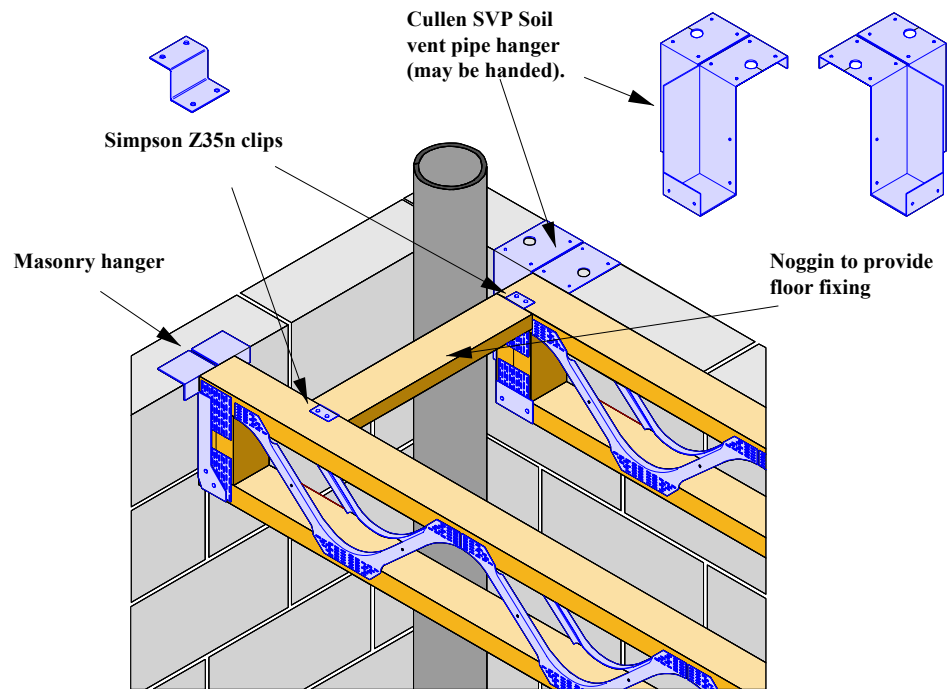
Note: This is Not Allowed On External Or Fire Walls

CONTINUOUS JOIST THROUGH MASONRY

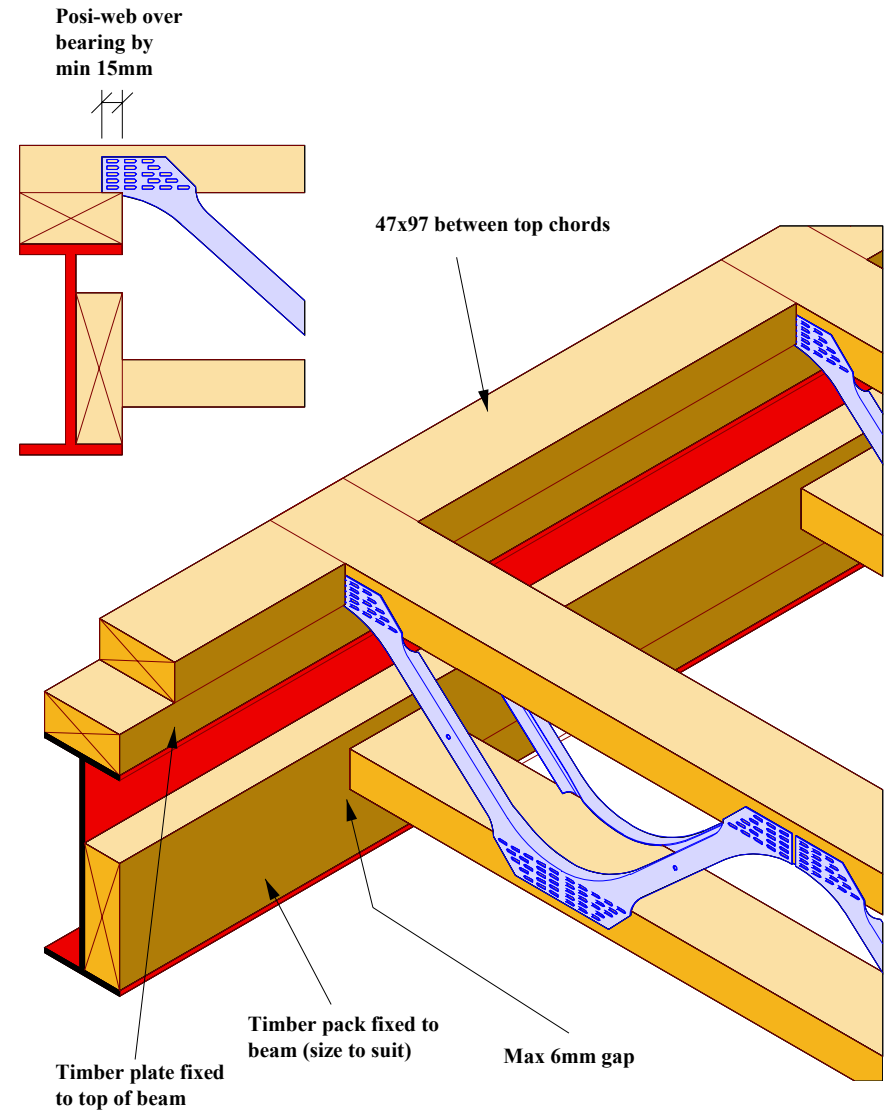


This may not perform well acoustically as sound will be transmitted directly from the floor to the bearer through the inner leaf of the wall.

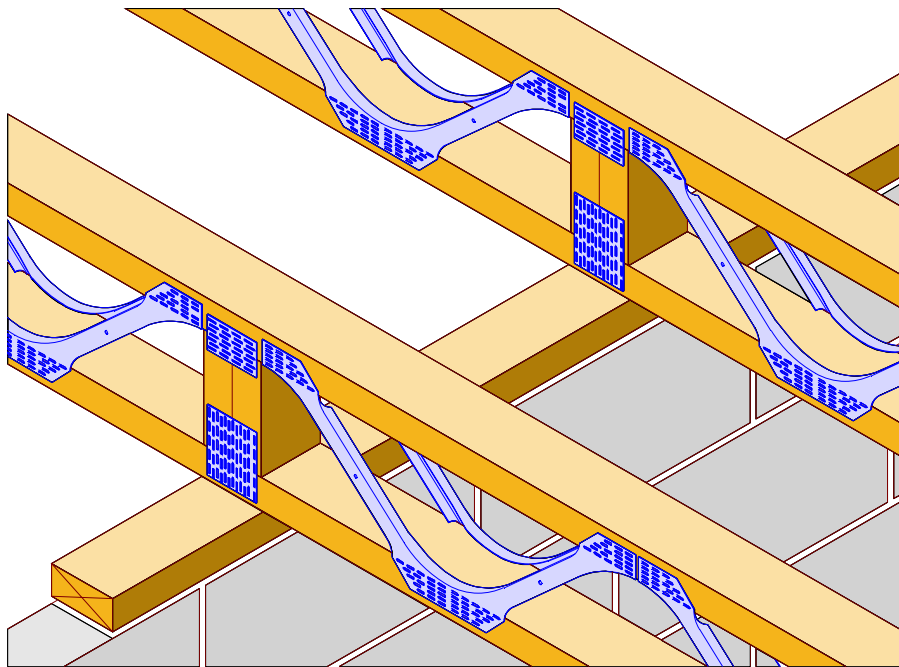
FIXING ROUND VOIL VENT PIPES USING BEARERS



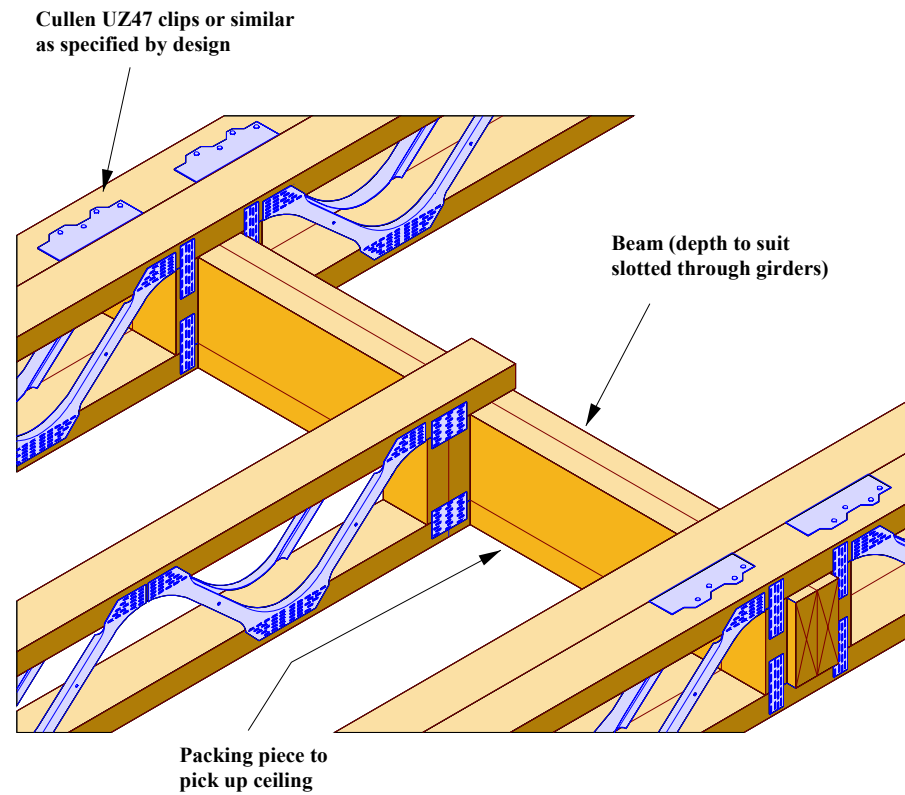
**FIXING ROUND SOIL VENT PIPE
USING SOIL VENT PIPE HANGERS**



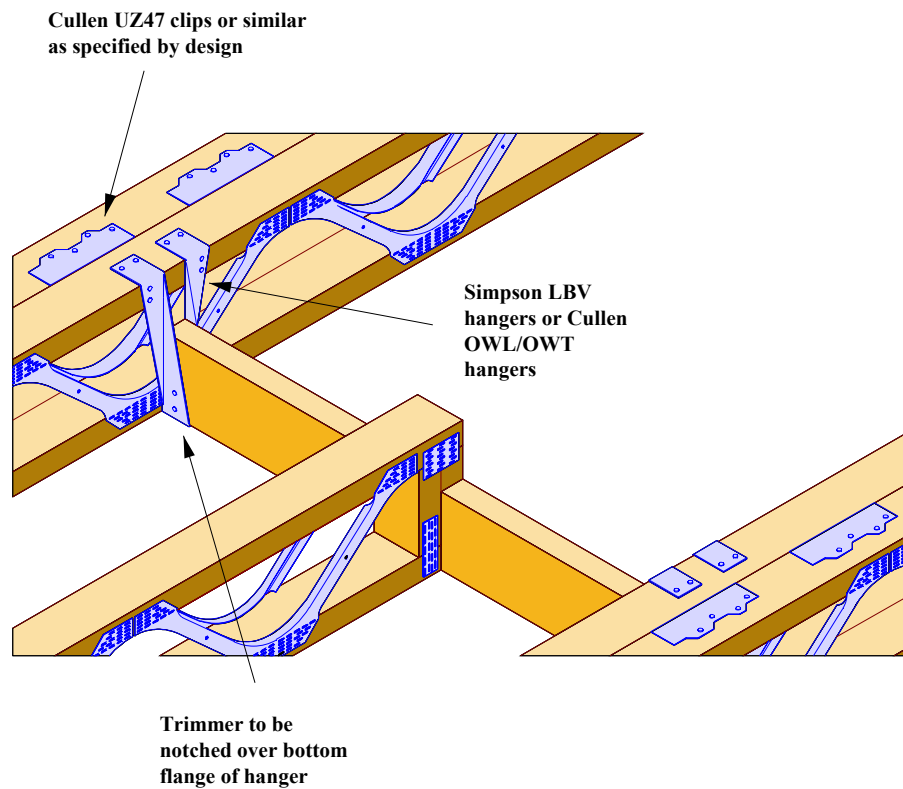
**TOP CHORD FIXING TO
STEEL DOWNSTAND BEAM**



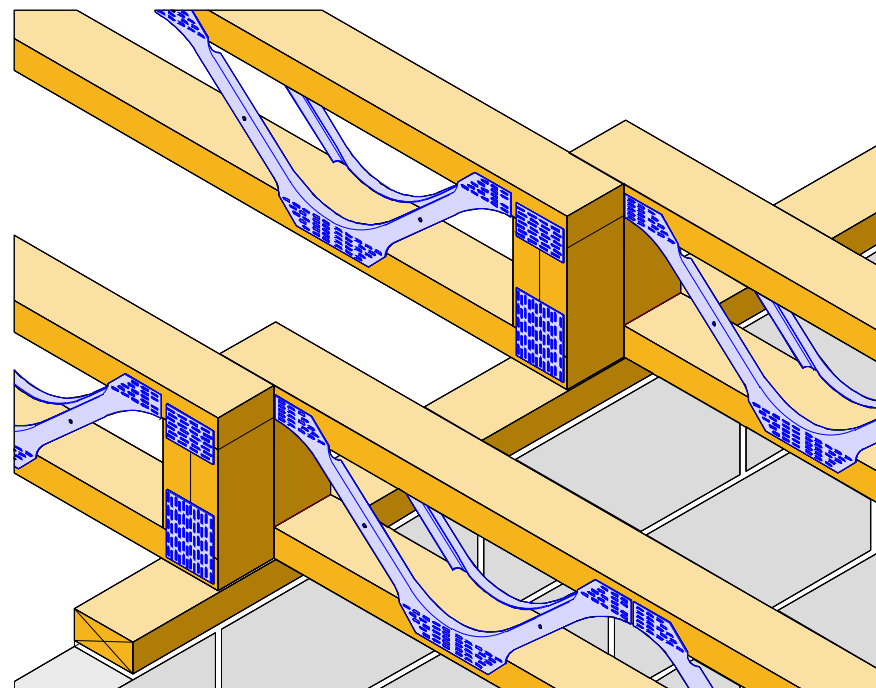
INTERNAL BEARING



NARROW OPENING

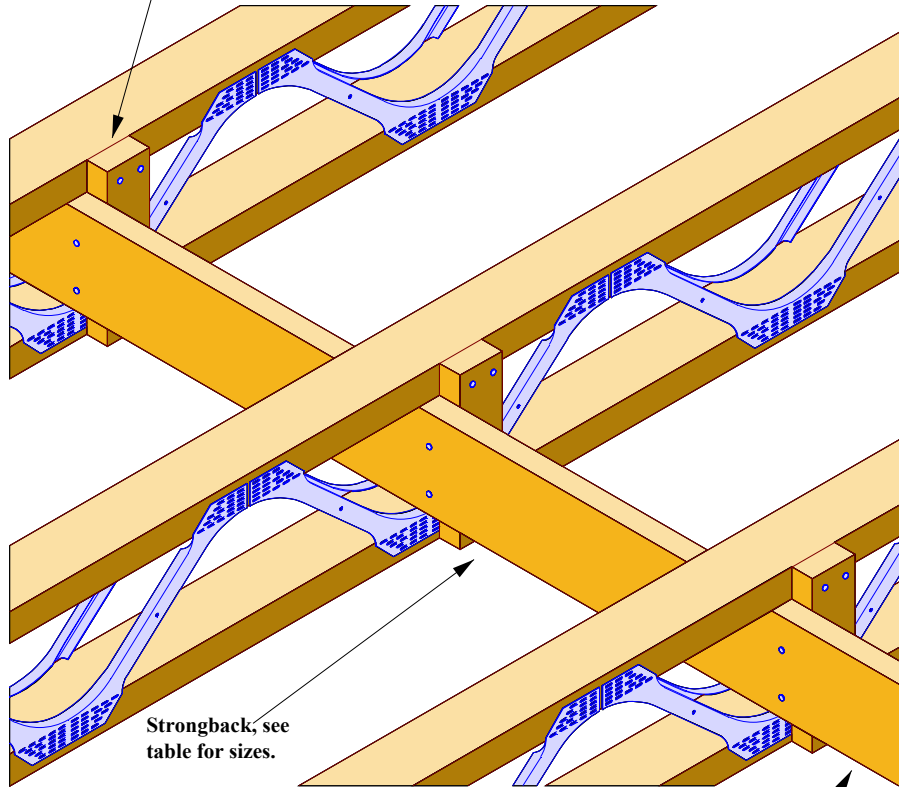


NARROW OPENING



SHARED INTERNAL BEARING

38X75 (min) blocks twice nailed to top and bottom members and twice nailed to brace using 3.1 x 75mm long galvanised wire nails



Strongback, see table for sizes.

Web Size	Minimum Strongback Section
PS-8, PS-9 & PS-10	50 x 100*
PS-12, PS-14 & PS-16	35 x 150*

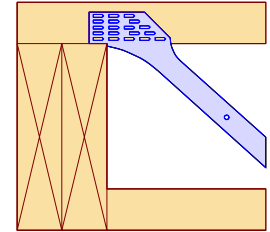
* Size to be specified by manufacturer, the deeper the strongback the stronger the floor.

Position strongback tight to the underside of the top chord

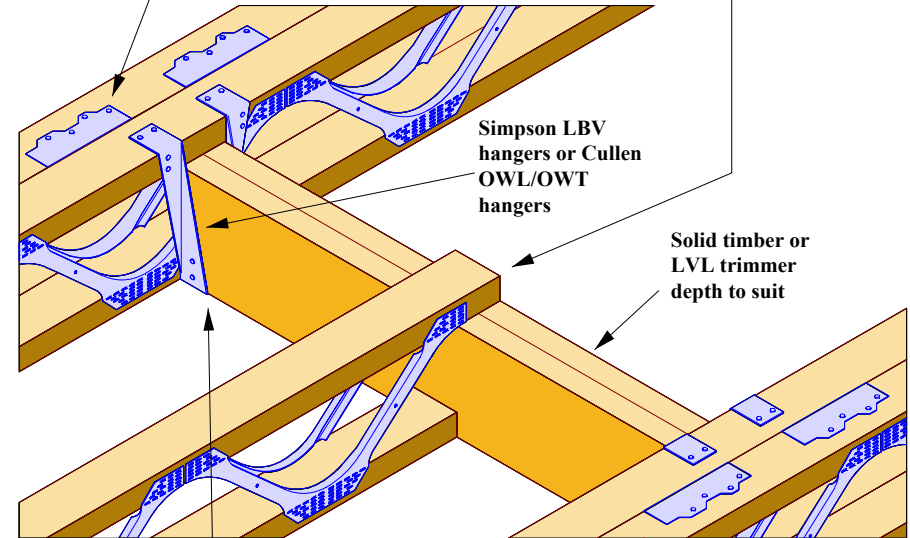
INSERT STRONGBACKS THROUGH JOISTS BEFORE FIXING JOISTS. IT MAY NOT BE POSSIBLE AFTER JOISTS HAVE BEEN FIXED

**STRONGBACK DETAIL
(FIX AT MAX 4.0 METRE CENTRES)**

Posi-web over bearing by min 15mm



Cullen UZ47 clips or similar as specified by design



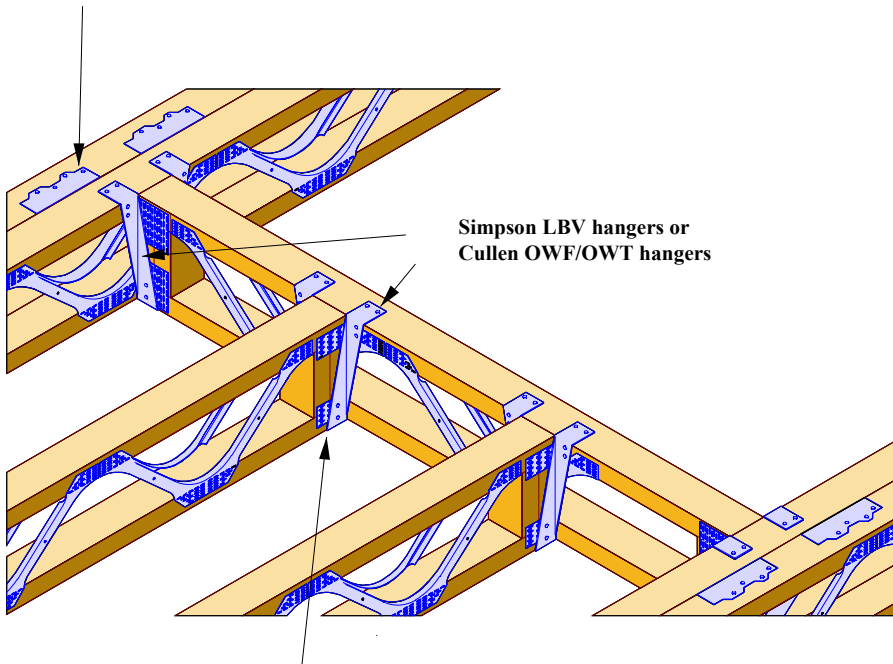
Simpson LBV hangers or Cullen OWL/OWT hangers

Solid timber or LVL trimmer depth to suit

Trimmer to be notched over bottom flange of hanger

STAIRCASE OPENING

Cullen UZ47 clips or similar
as specified by design

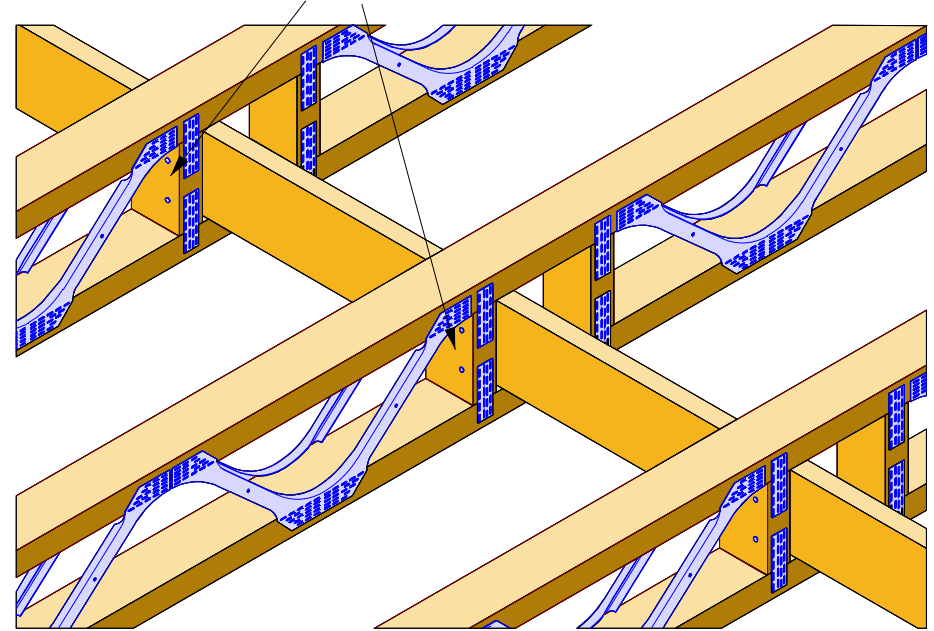


Simpson LBV hangers or
Cullen OWF/OWT hangers

Bottom member of posi to be
notched over bottom flange
of hanger

STAIRCASE OPENING

Twice nailed to brace using 3.1 x 75mm
long galvanised wire nails

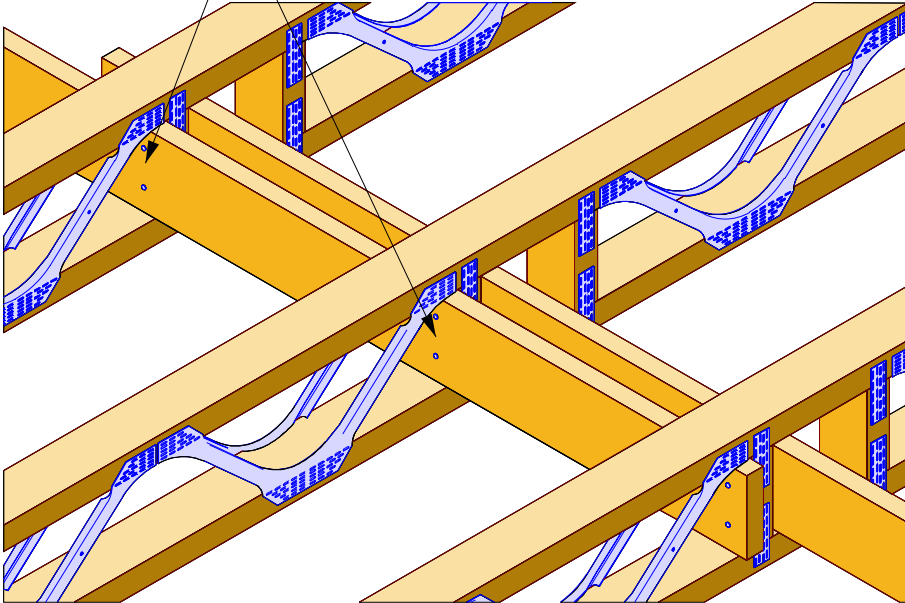


Position strongback tight to the
underside of the top chord

**INSERT STRONGBACKS THROUGH JOISTS
BEFORE FIXING JOISTS. IT MAY NOT BE
POSSIBLE AFTER JOISTS HAVE BEEN FIXED**

**STRONGBACK DETAIL
(WEBS WITH BUILT IN VERTICALS)
FIX AT MAX 4.0 METRE CENTRES.**

Twice nailed to brace using 3.1 x 75mm long galvanised wire nails



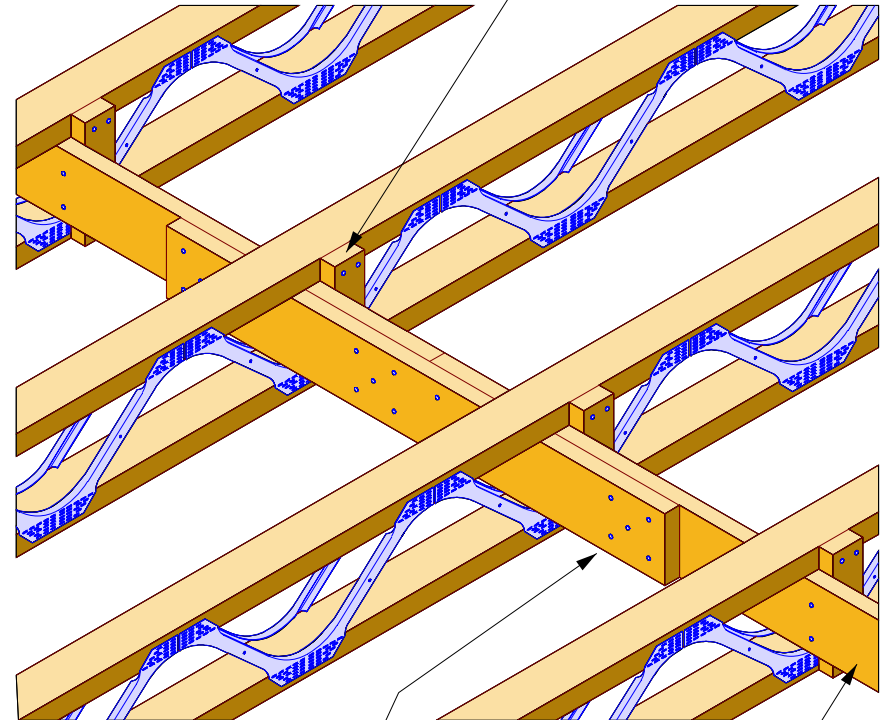
Position strongback tight to the underside of the top chord

INSERT STRONGBACKS THROUGH JOISTS BEFORE FIXING JOISTS. IT MAY NOT BE POSSIBLE AFTER JOISTS HAVE BEEN FIXED

STRONGBACK BRIDGING

(WEBS WITH BUILT IN VERTICALS)

35x75 (min) blocks twice nailed to top and bottom members and twice nailed to brace using 3.1 x 75mm long galvanised wire nails



1200mm long splice fixed with 10 no 3.1 x 70mm long galvanised wire nails each side of splice, nailed through and clenched over on far side

Strongback, see table for depths

Web Size	Minimum Strongback Section
PS-8, PS-9 & PS-10	50 x 100*
PS-12, PS-14 & PS-16	35 x 150*

* Size to be specified by manufacturer, the deeper the strongback the stronger the floor.

INSERT STRONGBACKS THROUGH JOISTS BEFORE FIXING JOISTS. IT MAY NOT BE POSSIBLE AFTER JOISTS HAVE BEEN FIXED

STRONGBACK SPLICE