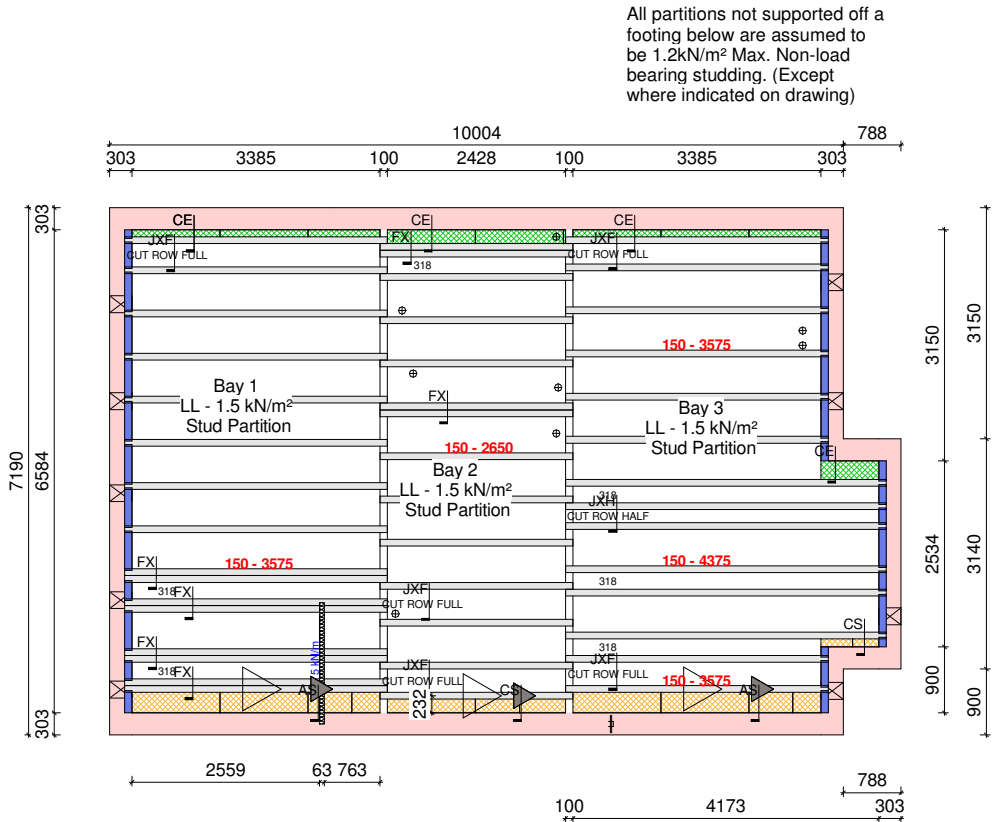


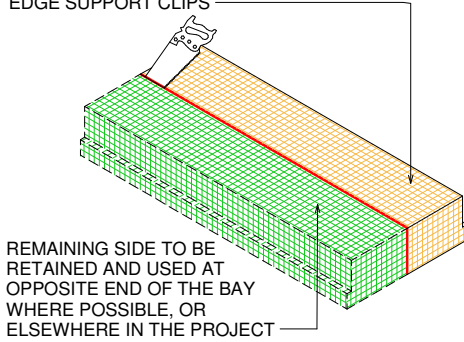


Please Note: No allowances have been made on this design for additional loading out of infill blocks or other ancillaries. If this is required, you MUST contact Litecast for loading out advice PRIOR to doing so. Failure to do so may result in damage to structural integrity of the floor.

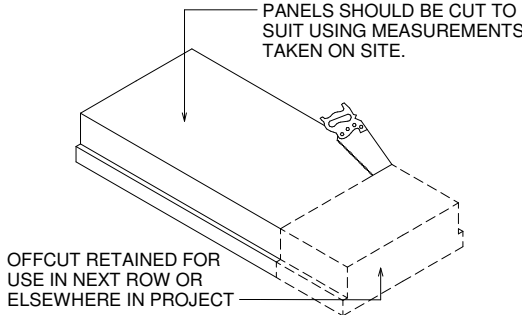


CUTTING PANELS TO SIZE FOR USE IN FLOOR

MUST BE CUT FROM FULL (540mm) PANEL
ONE SIDE TO BE USED AS STARTER PANEL. CUT EDGE SHOWN IN RED TO BE PLACED AGAINST WALL ON OPTIONAL EDGE SUPPORT CLIPS

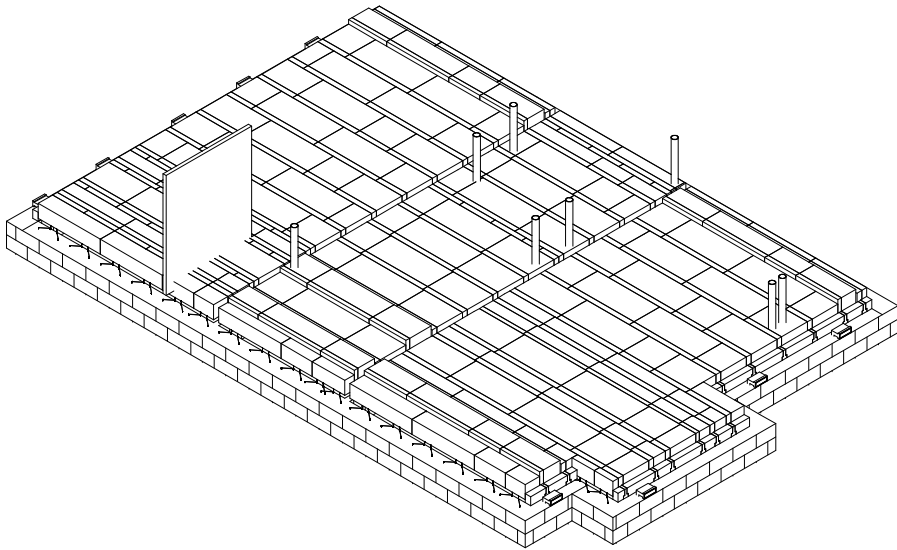
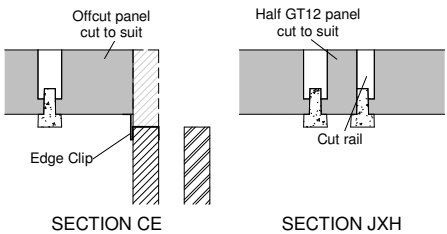
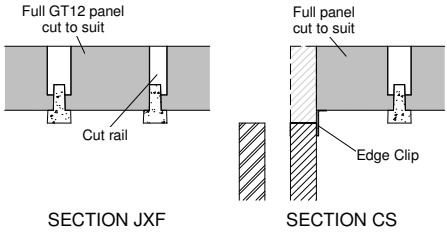
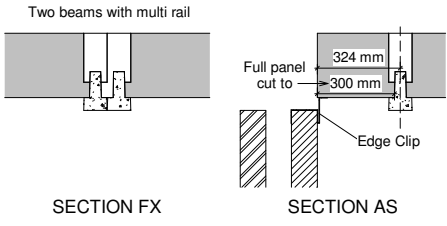


CUTTING FOR START/END



CUTS SHOULD NOT RESULT IN PANELS SMALLER THAN 300MM, AS THESE ARE NOT PERMITTED. EG. IF A 1000MM SECTION IS REQUIRED, IT SHOULD BE ACHIEVED BY CUTTING ONE PANEL TO 600MM AND ANOTHER TO 400MM. THIS AVOIDS CREATING AN UNUSABLE 200MM OFFCUT. EACH COMBINATION MUST ALWAYS INCLUDE ONE PANEL OF 600MM.

CUTTING TO SIZE FOR ROW



Drawing Legend

- Joist Start Layout Point
- Poly Start Layout Point
- 150mm Joist
- Service Hole Position
- Suggested Void Ventilator Position. Those with V graphic have Vertical Ext. Thru' vents by builder.
- Non Load Bearing Blockwork MAX Load (kN/m) Shown On Design
- Non Load Bearing Studwork MAX Load (kN/m) Shown On Design
- Closure Block
- All closure blocks to be bedded. All internal bearing channels must be concrete filled before screed is applied. Shuttering may be required for GT12 and GT18.
- Starter Panel - Cut from FULL PANEL as indicated on design/section.
- End Panel - Cut from FULL PANEL or off cut of Starter Panel as indicated on design/section.
- 150mm Floor Joists with 270mm poly panel between (Poly).

Closure Blocks are only included for around the perimeter, as is highlighted on our design. If you would like additional Closure Blocks for internal walls, please contact Litecast.

PLEASE NOTE:
Sections should be used to determine panel type for cut rows and all edges are created using full (540mm) panels.

Section Details shown are auto generated and may not reflect situation on site.

Ancillaries Schedule		
Product Code	Description	Count
ANC-GT12F	GT12 540mm Infill Panel	84
ANC-GT12H	GT12 270mm Infill Panel	21
ANC-GT12MR	GT12 Multi Beam Rail	31
ANC-ESCGT12	GT12 Edge Support Clip	38
ANC-PES	Poly Edge Strip	70
ANC-LCB	100mm Large Closure Block	20
ANC-SCB	100mm Small Closure Block	6
ANC-AB1	Air-Brick TERRA	9
ANC-UV	Telescopic U/Floor Vent	9

Joist Schedule			
Description	Joist Length	Bay Id	Count
150mm Floor Joist	3575	1	16
150mm Floor Joist	2650	2	14
150mm Floor Joist	3575	3	8
150mm Floor Joist	4375	3	6

Vent flow rates achieved	
6450	mm² Capacity
2220	mm²/m P (1500mm²/m MIN)
908	mm²/m² A (500mm²/m² MIN)

PANELS ON THIS DESIGN ARE	
GT12	Yellow Label

THERMAL VALUES	
PERIMETER/AREA VALUE - 0.409	✓
TARGET U VALUE - 0.15 ACTUAL U VALUE - 0.11	

d	Structural stud added and wind post position amended	DB	01/05/25
c	Wind post added	DB	23/04/25
b	Additional vents added and repositioned as requested	DB	14/04/25
a	Design previously estimated, drawing produced to site specific plans	DB	31/03/25

REV	DESCRIPTION	INI	DATE
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TOTAL LENGTHS AND AREA	150mm - Length	270mm - Length	Floor Area
	148,800 m	0,000 m	63 m²

DESIGN CRITERIA (WHERE APPLICABLE)
FINISHES - 1.8kN/m² 75mm Steel Fibre/Mesh Reinforced Concrete Screed
LIVE LOAD (LL) - Refer To Bay Tag For Loads
OTHER INFILLS - EPS Panel
PARTITIONS - 1.2kN/m² Non Load Bearing Stud
PARTITIONS - 5kN/m Non Load Bearing Structural Stud
GARAGE FINISHES - 1.8kN/m² 75mm Concrete And A142 Mesh
GARAGE LOAD - 2.5kN/m² Imposed Load or 20kN Point Load
GARAGE INFILL BLOCK DENSITY - 1950kg/m³ MAX

HOUSE TYPE
Bowyer

SITE ADDRESS
St Nicholas Park, Forster Park
Off North Road
Stevenage
SG1 4DE

Lit	DRAWN BY david@litecast.co.uk	DATE 31/03/2025
	DRG NO. 241714-30-GT12	REV d