UPDATED SEP21

meyJOIST

INSTALLATION REFERENCE SHEET

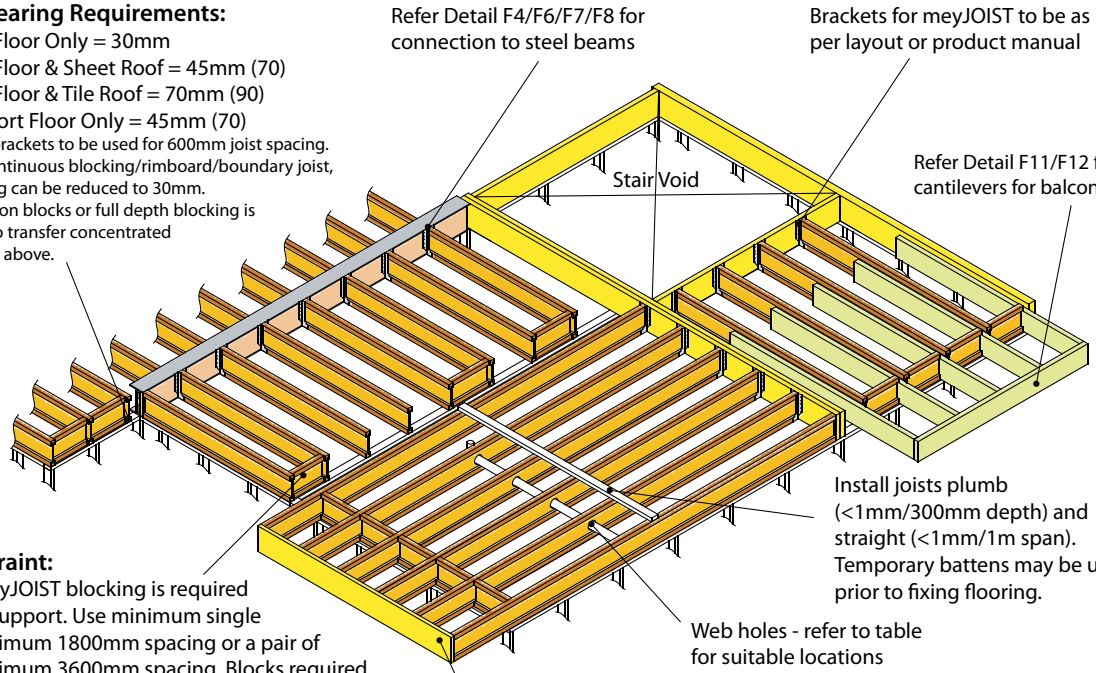
The meyJOIST Install Reference Sheet contains common requirements for meyJOIST floor system installation used in houses.
For detailed design or items not included, the meyJOIST Product Manual should be consulted
by scanning the QR code over the page, or at: **www.timbertrading.com.au**

BASIC REQUIREMENTS

- **STORAGE** - meyJOIST should be stored level and dry at least 150mm clear of the ground.
- **JOIST LOCATION** - As per floor layout (if supplied) and not to be spaced further than specified.
- **FIXING TO SUPPORTS** - Use 2/3.06Ø nails per support. Supports to be dry, level, & rigid. Moisture Barriers are recommended if supporting directly on masonry. Provide bearing across full width of meyJOIST.
- **FIXING OF FLOORING** - Flooring should be secured to meyJOIST using screws or ring/twist shank nails recommended for the particular flooring type. Flooring adhesive must be used in conjunction with fasteners to minimise any chance of long term floor squeak.
- **CONSTRUCTION LOADS** - Lateral restraint blocking and floor sheeting MUST be installed before applying any construction loads. Refer to **Product Manual** for advice on allowable loading and locations.

Minimum Bearing Requirements:
End Support Floor Only = 30mm
End Support Floor & Sheet Roof = 45mm (70)
End Support Floor & Tile Roof = 70mm (90)
Internal Support Floor Only = 45mm (70)

- Values in brackets to be used for 600mm joist spacing.
- If using continuous blocking/rimboard/boundary joist, the bearing can be reduced to 30mm.
- Compression blocks or full depth blocking is required to transfer concentrated loads from above.



Lateral Restraint:
Full depth meyJOIST blocking is required above every support. Use minimum single blocks at maximum 1800mm spacing or a pair of blocks at maximum 3600mm spacing. Blocks required at start and end of joist run. Alternatively, rimboard or boundary joists can be utilised for lateral restraint.

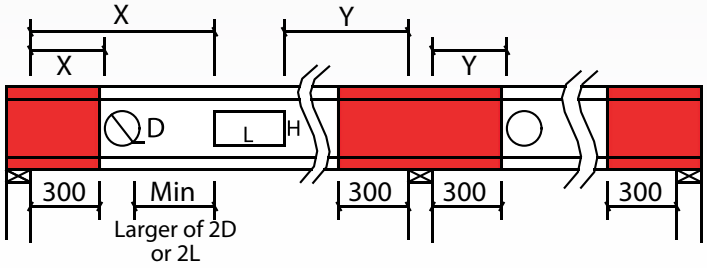
MINIMUM DISTANCE (in mm) TO FACE OF SUPPORT FOR HOLES AT 450mm JOIST SPACING

LOADING: DEAD LOAD = 100 kg/m² and LIVE LOAD = 1.5 kPa/1.8 kN

meyJOIST	SUPPORT	MINIMUM EDGE DISTANCES TO FACE OF SUPPORT (mm)			
		HOLE DIAMETER (mm)		RECTANGULAR (mm)	
		80	125	150x300	200x300
MJ200 45	End (X)	300	N/S		
	Intermediate (Y)				
MJ240 45	End (X)		300	750	N/S
	Intermediate (Y)		800	1500	
MJ240 90	End (X)		300	1050	
	Intermediate (Y)		1600	2100	
MJ300 45	End (X)		300	380	550
	Intermediate (Y)			1450	1700
MJ300 90	End (X)			300	1000
	Intermediate (Y)			1450	2100

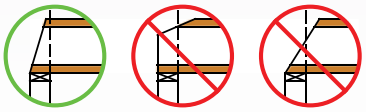
NOTES:
1. "Intermediate" refers to internal supports of continuous span joists. All other cases shall be treated as "End" supports.
2. Locate hole at mid-span if X or Y value exceeds half span.
3. The above values are based on the maximum span that each joist can support.
4. Use MJ240 90 values for MJ240 63. Use MJ300 90 values for MJ300 63 and MJ360 90.
5. I-Joist Hole Support bracket (IHS) may allow holes closer to the support. See meyJOIST product manual for more information.

GENERAL HOLE INFORMATION:
1. No holes above 40mm allowed in red zone.
2. No more than 3 holes above 75mm in any one span.
3. Holes 40mm diameter or smaller allowed anywhere in web with minimum 2D distance between holes.



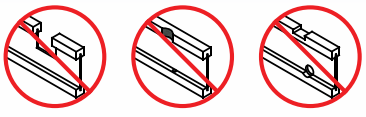
NOTCHING or TAPERING meyJOIST FLANGES

Do not cut beyond the line of support



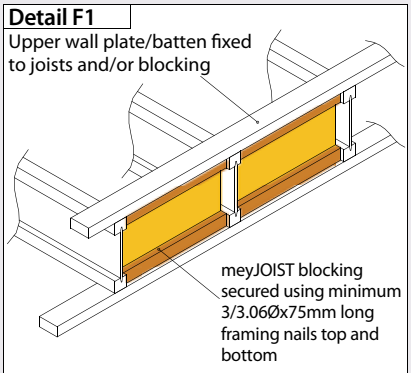
Detail F4/F7 shows allowable steel beam connections.

Do not drill or notch flanges



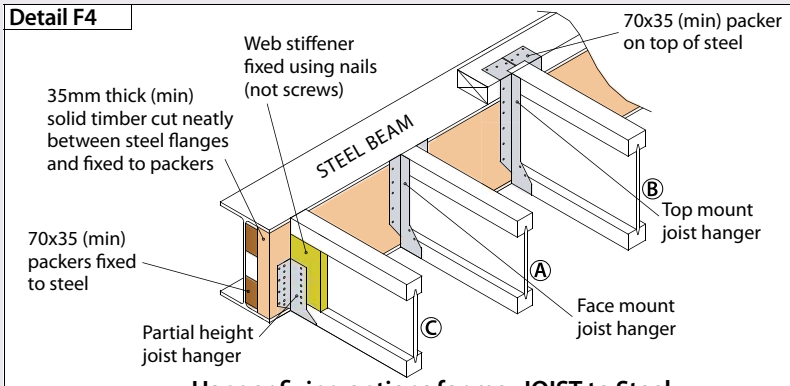
SELECTED meyJOIST DETAILS

Detail F1



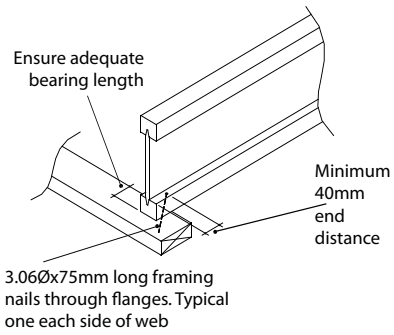
Blocking with meyJOIST

Detail F4



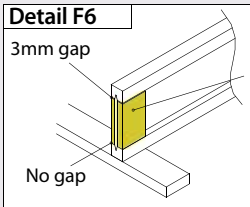
Hanger fixing options for meyJOIST to Steel

Detail F5



Fixing at supports

Detail F6



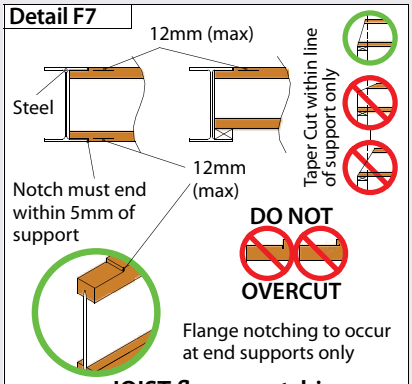
meyJOIST flange width	45	63	90
Stiffener thickness	18	27	39
3.06Ø nail length	50	75	100
12g screw length	45	65	90(14g)

All dimensions in mm

≤300 deep use 3 nails or 2 screws each side
>300 deep use 4 nails or 3 screws each side

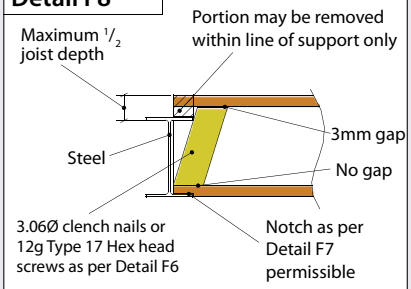
Web stiffener installation

Detail F7



meyJOIST flange notching

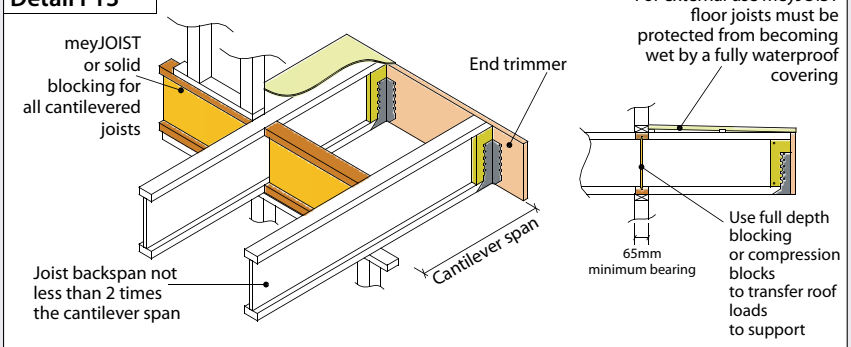
Detail F8



≤300 deep use 4 nails or 2 screws each side
>300 deep use 5 nails or 3 screws each side

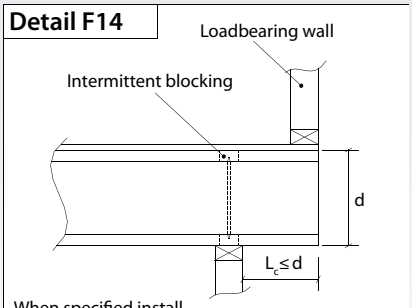
meyJOIST short cantilever support

Detail F13



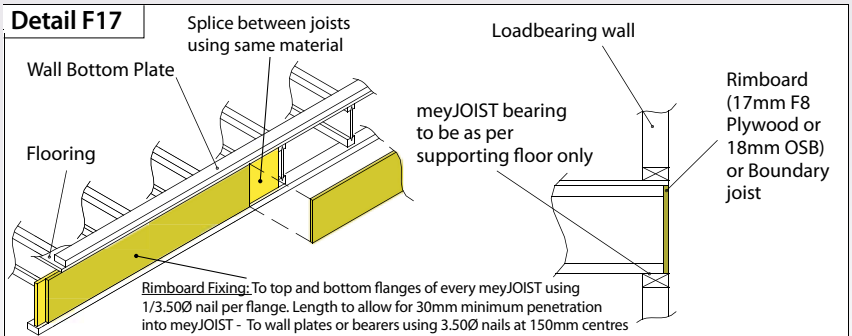
meyJOIST cantilever for internal or weather proofed balcony application

Detail F14



meyJOIST short cantilever support

Detail F17



Rimboard or Boundary Joist with meyJOIST

For other details not shown above, refer to the meyJOIST Product Manual.

PRODUCT MANUAL

NTT

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PRODUCT RESOURCES