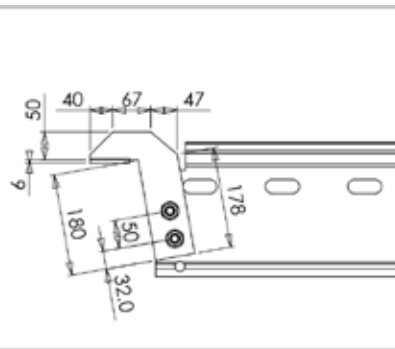
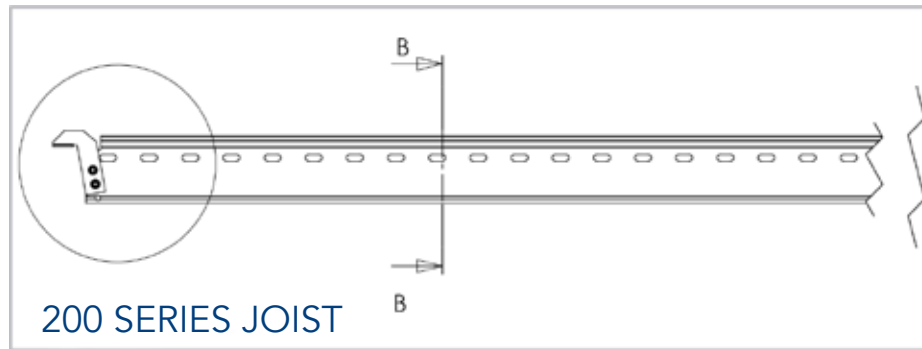


SPEEDFLOOR

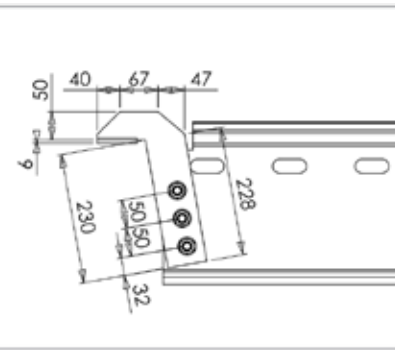
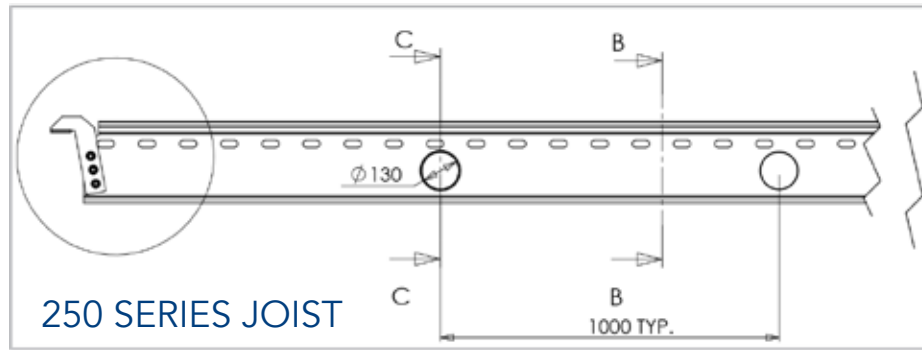
SUSPENDED CONCRETE FLOOR SYSTEM



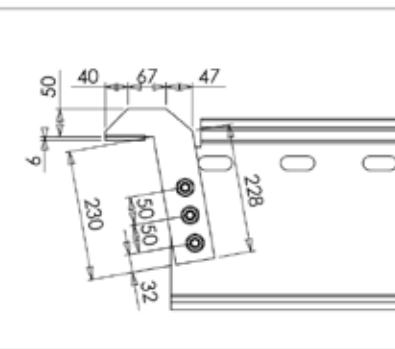
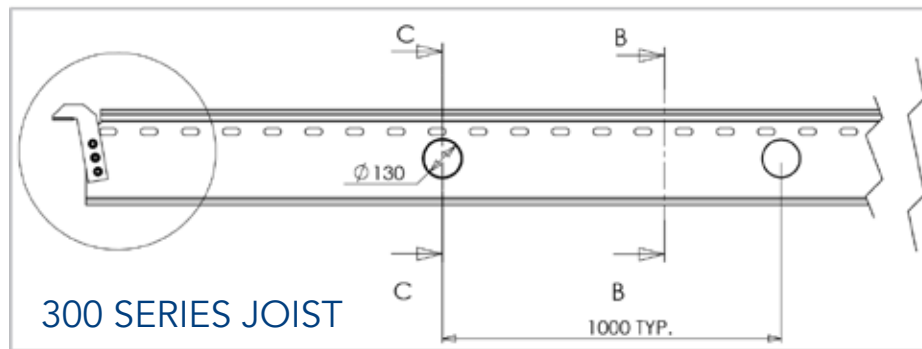
200 SERIES JOIST



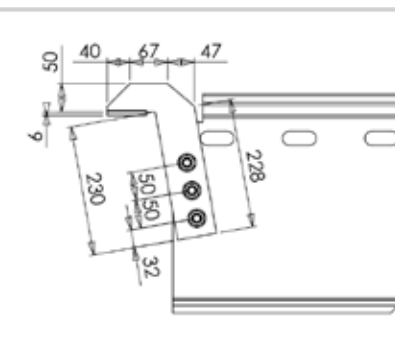
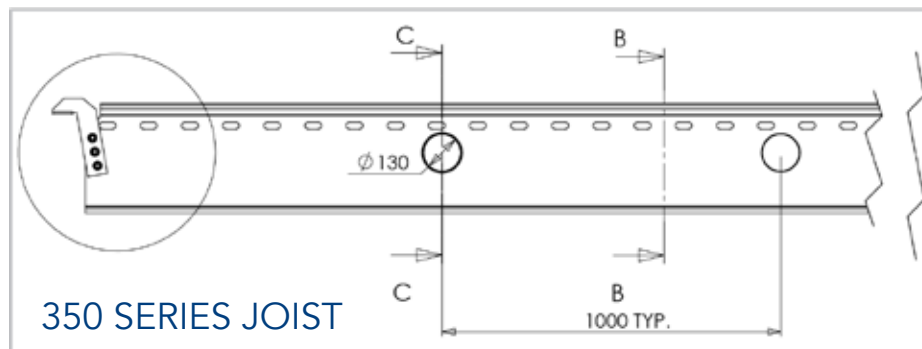
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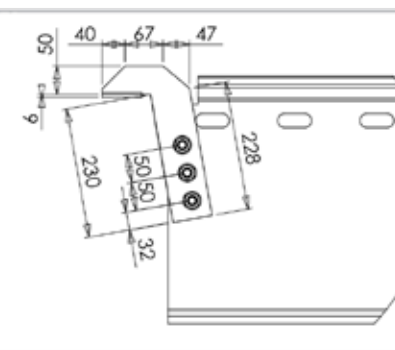
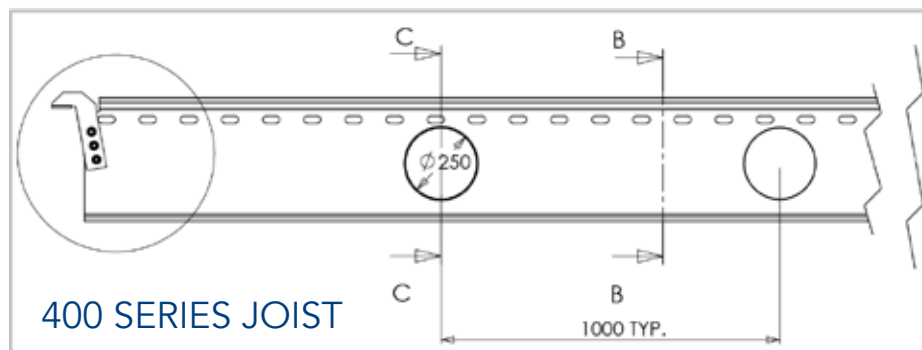
300 SERIES JOIST



350 SERIES JOIST



400 SERIES JOIST



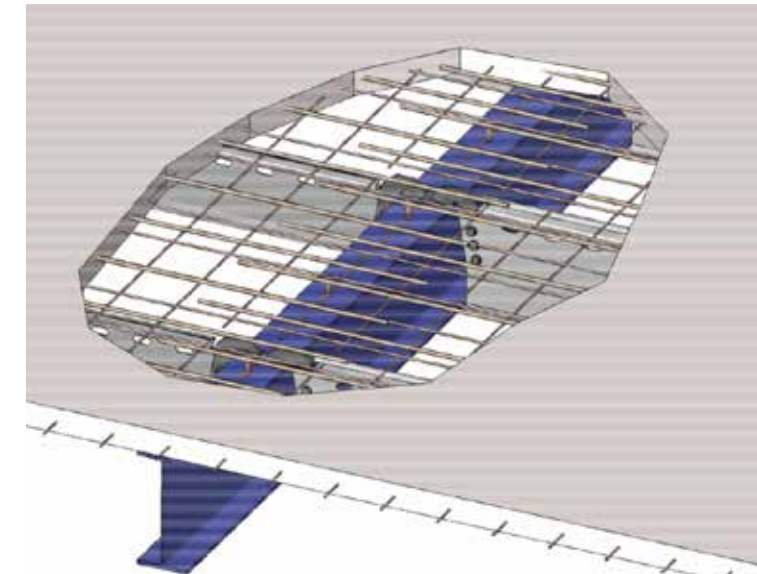
SPEEDFLOOR

Phone: +64 9 303 4825
 Email: sales@speedfloor.co.nz
 PO Box 5420 Wellesley St, Auckland, New Zealand
 16B Ormiston Rd, East Tamaki, Auckland 2016
www.speedfloor.co.nz

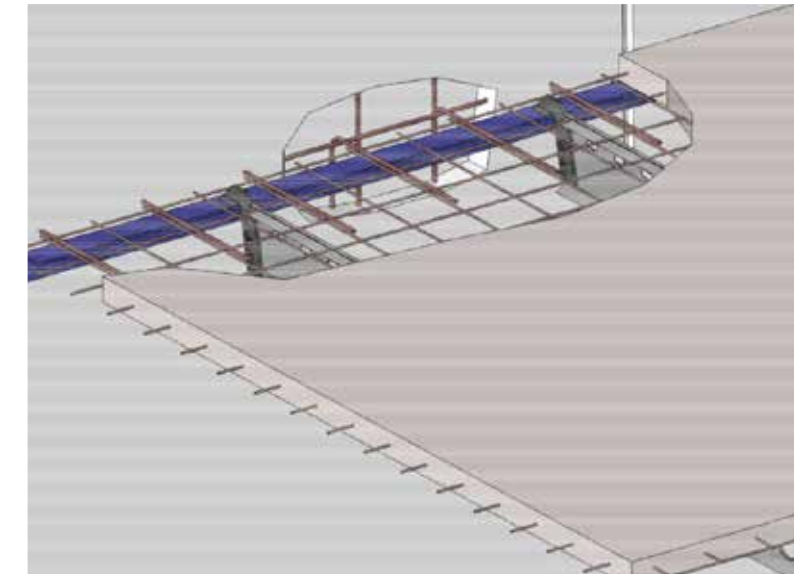
FASTER LIGHTER EASIER



Speedfloor Suspended Concrete Floor System - Standard Construction Details



Steel Beam Support



Concrete or Masonry Wall Support

AN EFFICIENT ENGINEERED SOLUTION MADE SIMPLE



FASTER LIGHTER EASIER

INTRODUCTION

Speedfloor is a suspended concrete floor system using a cold formed steel joist as an integral part of the final concrete and steel composite floor. The joist is manufactured from pre-galvanised high strength steel in a one pass rollformer giving a high degree of accuracy at a fast production rate. The ends are simply bolted to the joists which are then ready for transport to site.

No Propping, No Painting, No Hassles

Advantages

- The Speedfloor system requires no propping.
- Speedfloor slabs are generally only 90mm thick, reducing weight and providing savings throughout the structure.
- The lightweight joists are able to be manually positioned requiring less craneage.
- During construction Speedfloor provides a safe-working platform.
- Services can pass through the pre-punched holes in the joist.

Speedfloor Saves Time And Money

**Further technical information available on request*

Application

The Speedfloor concrete floor system is a proven performer in all types of construction, from steel structures, masonry buildings, poured in-situ or precast concrete panels, to ICF, timber and cold formed steel frame construction.



Design

As part of the complete design solution, a load versus span calculator is available to designers and specifiers.

- Speedfloor cold formed joists are manufactured from high strength, pre-galvanised steel.
- The concrete slab is designed to have a minimum compressive strength of 25MPa after 28 days.
- The design of the floor system conforms to Australian and New Zealand composite structural standards.
- The durability of the system when installed in accordance with the manufacturers specifications and design parameters will meet performance criteria set out in the building codes.

Acoustics

Speedfloor's acoustic performance meets Building Code design criteria and is supported by an independent report available on request.

Fire

- Full scale fire tests have established that the Speedfloor system can be fire rated and meets fire rating requirements set out in the Building Codes.
- A design procedure involving the addition of in-slab reinforcement can be used for slabs exposed to moderate and severe fire conditions. The procedure is based on quantifying the tensile membrane enhancement provided by in-slab reinforcement.



SUSPENDED CONCRETE FLOOR SYSTEM

www.speedfloor.co.nz