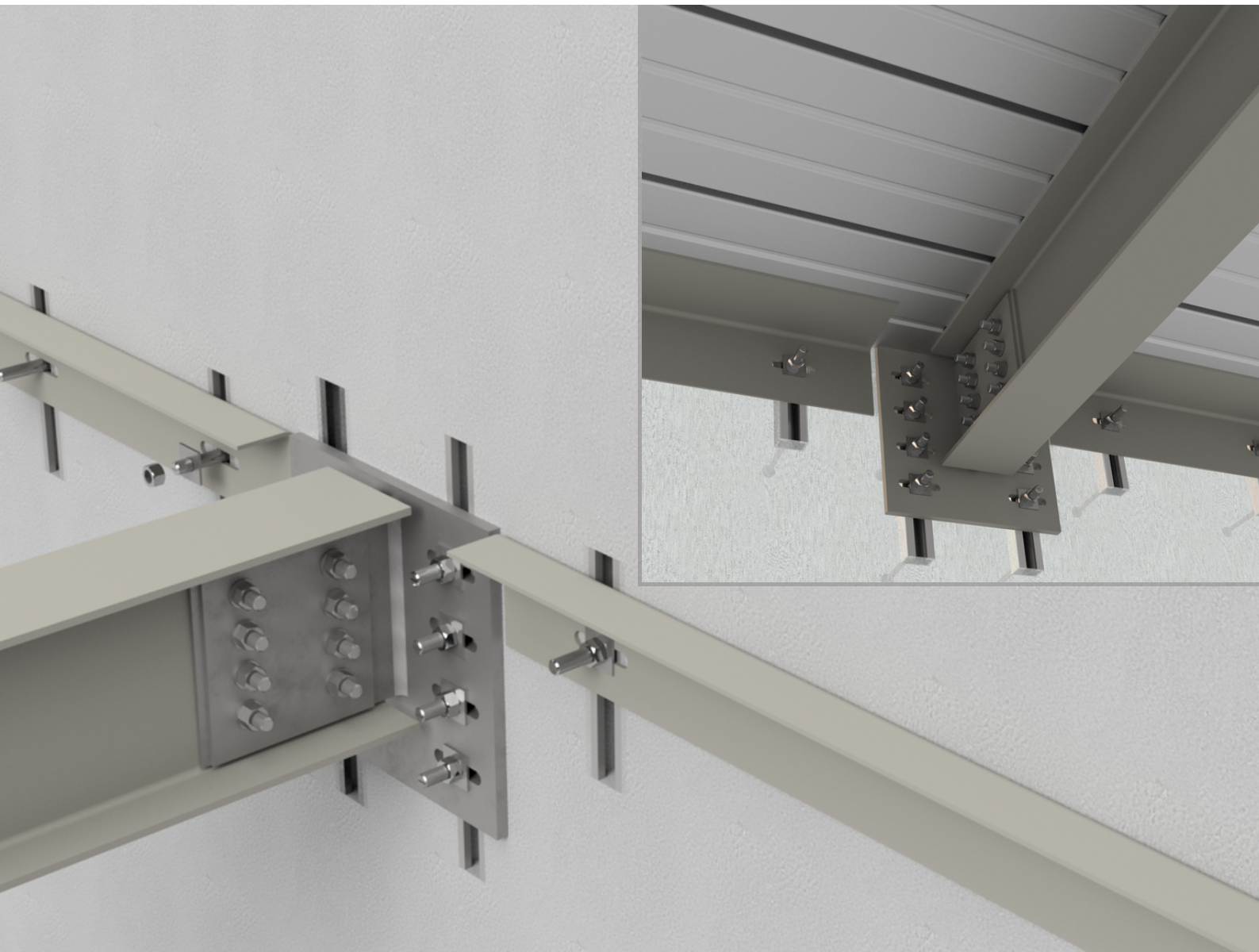


J&P LADDER

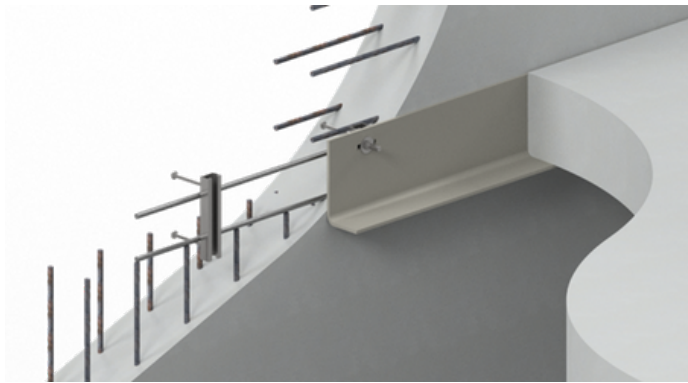
CONNECTION SYSTEM FOR STEEL
COMPOSITE STRUCTURES

J&P Building Systems Limited



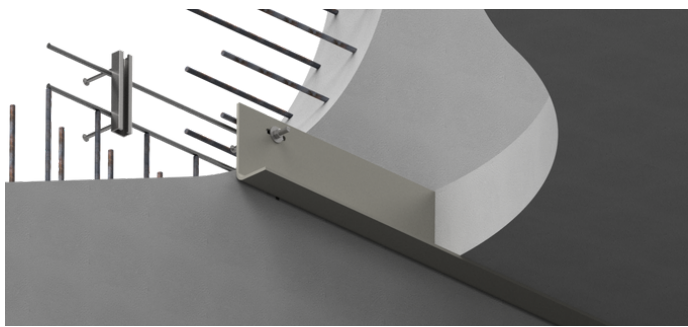
J&P LADDER system allows for adjustable connection of metal decking support brackets

J&P LADDER assemblies are formed by welding Jordahl® JXA toothed channels to spacer bars at pre-defined centres. They are used as an adjustable cast-in connection for attaching support angles to concrete. The vertical toothed channels provide adjustment for levelling angles and positioning them for height. Horizontal slots in the support angles provide location tolerance.

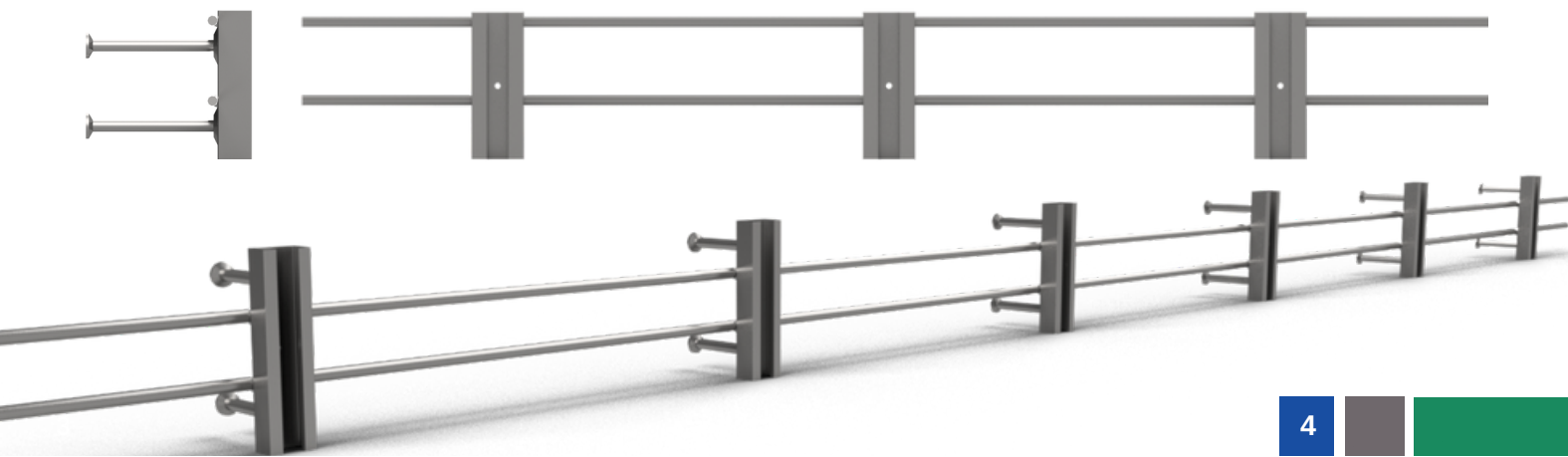


Typical applications include:

- Shelf angles for supporting metal deck and hollow core slabs
- Shelf angles for supporting stair landings



Section and elevation views of a typical J&P LADDER assembly



J&P LADDER benefits:

- Excellent load performance and fully adjustable connections enable easy shelf angle positioning
- Heavy-duty, hot-rolled toothed profiles absorb static, impact, and dynamic loading.
- Special modifications aid installation in slip form and jump form structures
- Specialist labour is not required for installation
- Connector weight is limited to enable hand installation without the necessity for crane lifting.
- No special tools or electrical power requirements on site
- Range of load capacities, T-bolt diameters and lengths available.

Replacing drilled connections achieves the following:

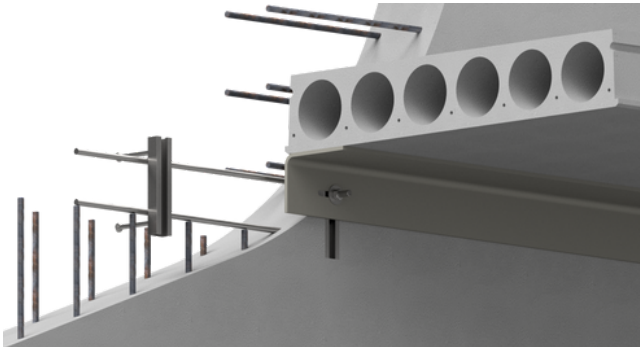
- Potential exposure to silica dust is reduced
- Potential exposure to drilling noise levels is reduced
- Risk of drilling noise nuisance to neighbouring offices and residences is reduced
- Potential exposure to HAVS risk from vibrating hand tools is reduced
- Eliminates the risk of drilling into reinforcement.

Replacing welded connections achieves the following:

- Reduces the potential risk of fires or injury caused by falling sparks or hot surfaces
- No requirement for any site-applied protective finishes after welding.

J&P LADDER applications

Hollowcore plank support connection example



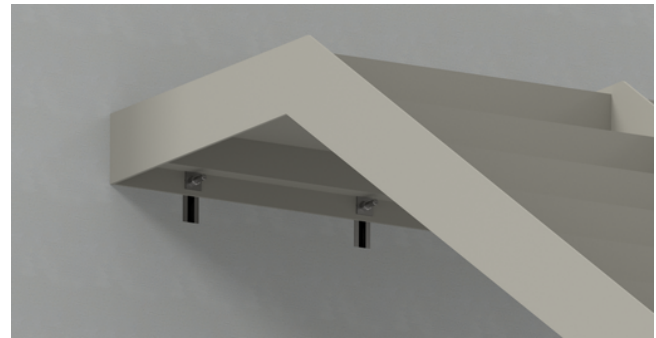
Metal deck support connection example



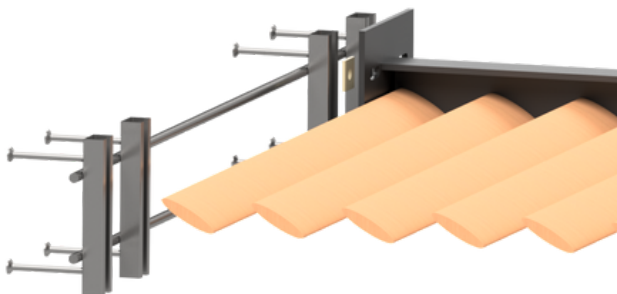
Precast stair support connection



Steel stair support connection



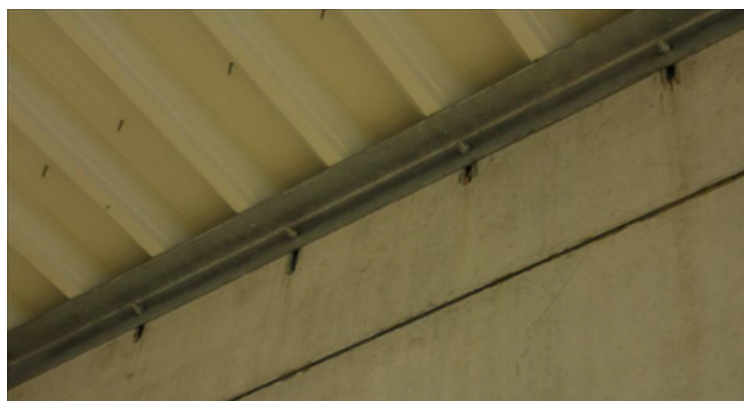
Brise Soleil/Canopy connection



Brickwork connection



Reference project – Factory roof, Germany



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