

## NEW AUSTRALIAN STANDARD FOR PREFABRICATED CONCRETE IN CIVIL CONSTRUCTION – AS3850 PART 3

### **Standards Australia has published a new Australian Standard for prefabricated concrete (Precast) in civil construction.**

The new AS3850.3 imports OH&S requirements for precast manufacturing, storage, transport and erection on site for civil construction.

Proprietary lifting, handling and erection systems with appropriate engineering oversight are provided for and documentation (Shop drawings and manufacturing certificates) as required in building construction for many years are now a requirement to supply the civil sector.

Definitions of “competent person” for the purposes of component design, erection design, In – service (structural) design, element design, Precast inspection, storage design, supported element and temporary support inspection, post installed fixing installation and transport inspection are provided for as well as clear definition of the engineering responsibilities for structural design and erection.

The testing regime for cast-in components is mandated by AS3850.1 and the new regime should provide national uniform processes for erection and installation, including temporary supports and tie in methods (welding, bolting, grouting etc.).

Access to element lift points following transport to site via walkways and steps must comply with AS 1657 – Fixed platforms, walkways, stairways and ladders.

The new standard also provides clear guidance in relation to:

- Site and erection planning processes
- The installation and inspection of temporary bracing and propping
- The fixing and grouting of structural elements and
- The process for the repair of or alteration to prefabricated elements.



**FOR FURTHER ADVICE AND/OR INFORMATION  
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