Propping Steel Floor Decking Best Practice Guidelines

FD.04

Installing Propping

- Normally, props are placed at either mid-span (one line of props) or at third points (2 lines of props) within a span. The decking sheets should never be interrupted (cut) at the location of a temporary support, and the decking should not be fastened to the temporary supports. Props normally consist of lengths of timber and/or steel plates supported by adjustable length steel tubes ('Acrows'). The minimum bearing length of the timber and/or plates depends upon the thickness of the slab, the span length and the deck rib geometry.

Good Practice

- A typical temporary support is shown in the detail above. Props of this nature are normally placed about 1.0m apart, and in accordance with the designers requirements.
- The decking layout drawings should show the extent and lines of temporary supports Bearing lengths are typically in the 75 to 100mm range.
- The timber bearer should be continuous, and should extend the full width of the bay.

Always Check Floor Decking Drawing for Propping Requirements