

Overview of the Steel Erection Standard (Chapter 133.2 HAR)

Which employers are covered by this standard?

Employers with employees who are exposed to hazards associated with steel erection activities involved in the construction, alteration, and/or repair of single and multi-story buildings, bridges, and other structures where steel erection occurs are covered. This chapter does not address electrical transmission towers, communication and broadcast towers, or tanks.

Examples of structures where steel erection may occur and of steel erection activities are provided in the standard. Please go to Subtitle 8, Part 3, Chapter 133.2 of the HIOSH Standards at <http://hiosh.hawaii.gov>.

Is this standard the same as the OSHA standard on steel erection?

It contains the same requirements as the OSHA standard on steel erection except that it has been amended in the following areas:

Requires **personal protective equipment** onsite at all times:

Hard hats, protective footwear

Gloves, special protective clothing, respirators, and any other protective equipment (as necessary)

Personal fall arrest systems required for all steel erection activities at 10' or more

Documentation required to be kept onsite until all steel erection activity is completed:

All structure specific and site-specific erection plans with supporting documentation

All drawings, certifications, approvals

A record of the identity of the Structural Engineer of Record (SER), all qualified persons and their area of expertise, and all persons recognized as competent persons for steel erection

Systems-engineered metal buildings:

Section 12-133.2-7, Column anchorage applies to this section

Fall Protection:

All employees doing work at heights of 10 feet or more shall be protected by personal fall arrest systems

Controlled Decking Zone (CDZ) – leading edge work performed at heights over 10 feet and up to 30 feet. See specifications in section 12-133.2-12(b)

Anchorage for fall restraint system shall be capable of supporting 3,000 lbs. per employee

Fall protection shall not be left in the area by the steel erector unless the controlling contractor assumes responsibility

Training requirements:

Falling object or falling/flying load hazard training

Third party training

Retraining