



Section 29: Concrete and Formwork

1. General Information

The following procedures apply to the erection of concrete formwork and placement of concrete for either cast-in-place or precast work.

2. Concrete and Formwork Procedures

- 2.1 Equipment and materials used in concrete construction and masonry work must meet the applicable requirements as described in the ANSI publication *Safety Requirements for Concrete Construction and Masonry Work*.
- 2.2 Employees working more than 6 feet above an adjacent surface while placing reinforcing steel or setting/dismantling forms must use a body harness with two lanyards. Follow 100 percent tie-off and fall protection practices.
- 2.3 Cover protruding reinforcing steel with a minimum of 2-inch thick material or standard caps where employees may be required to work above or pass through.
- 2.4 Do not work above vertically protruding reinforcing steel unless the steel has been protected to eliminate the hazard.
- 2.5 Affix impalement caps on reinforcing steel that is less than 6 feet high.
- 2.6 Do not ride concrete buckets or operate concrete buckets over occupied areas.
- 2.7 Cover reinforcing mats used as walkways with plywood for safe footing.
- 2.8 Wear NIOSH-approved, supplied-air respirators and hoods when sandblasting.
- 2.9 Concrete workers must wear appropriate shirts, boots, and gloves to reduce the danger of concrete burns.
- 2.10 Remove excess materials from the work area in accordance with EQ Housekeeping procedures.
- 2.11 Exposure to electrical panels or other electrically charged equipment (permanent or temporary) should be identified and communicated to contract employees prior to the start of concrete finish work involving long metal-handled bull floats or other long-reach tools which may inadvertently come in contact with the electrically charged equipment.

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