



KCA TOOL BOX TALK: Tilt-Up Panel Construction

Tilt-up panel construction is a construction technique of casting concrete elements in a horizontal position at the job site and then tilting and lifting the panels to their final position in a structure. Tilt-up contractors, constructors, and erectors should identify regulatory requirements for and provide safety recommendations to employers and workers involved in tilt-up construction. Below are OSHA standards and suggested safety tips for tilt-up panel construction.

Safety Requirements:

1. Initiate and maintain programs, as may be necessary, to provide for frequent and regular inspections of the job site, materials, and equipment by designated competent persons.
2. Instruct each employee in the recognition and avoidance of unsafe conditions and the regulations applicable to his work environment to control or eliminate any hazard or other exposure to illness or injury. For example, employers should instruct supervisors and workers not to remove temporary braces until roof structure and/or columns are in place to stabilize the building.
3. Comply with all of the requirements for precast concrete construction.
4. Ensure that tilt-up panels are properly braced to resist wind and lateral forces.
5. Use only certified welders when welding steel joists to embeds and inserts on tilt-up wall panels.

For more information visit OSHA REGULATIONS: 1926.20(b)(1) through (2), 1926.21(b)(2), 1926.704

Signatures

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Teamwork Improves Safety!

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