

FLYING DECK FORM SAFETY RULES
As Recommended by
THE SCAFFOLDING, SHORING AND FORMING INSTITUTE

It shall be the responsibility of all employers and users to read and comply with the following common sense guidelines which are designed to promote safety in the erection, dismantling and use of flying deck forms. These guidelines are not all inclusive nor do they supplant or replace other additional safety and precautionary measures to cover usual or unusual conditions. If these guidelines conflict in any way with any state, provincial, local or federal statute or governmental regulation, said statute or regulation shall supersede these guidelines and it shall be the responsibility of each employee and user to comply therewith and also to be knowledgeable and understand all state, local or federal statutes or governmental regulations pertaining to flying deck forms.

A. GENERAL GUIDELINES

1. POST THESE SHORING SAFETY GUIDELINES in a conspicuous place and be sure that all persons who erect, dismantle or use shoring are aware of them.
2. FOLLOW ALL STATE, PROVINCIAL, LOCAL AND FEDERAL CODES, ORDINANCES AND REGULATIONS pertaining to shoring.
3. SURVEY THE JOB SITE. A survey by a qualified person shall be made of the job site for hazards, such as untamped earth fills, ditches, debris, high tension wires, unguarded openings and other hazardous conditions. These conditions should be corrected or avoided as noted in the following sections.
4. PLAN SHORING ERECTION SEQUENCE in advance and obtain necessary access equipment to accomplish the work safely.
5. INSPECT ALL EQUIPMENT BEFORE USING. Never use any equipment that is structurally defective in any way. Mark it or tag it as defective, then remove it from the jobsite.
6. A SHORING DRAWING prepared by a person qualified to analyze the loading intended and consistent with the manufacturer's recommended safe working loads, shall be used on the job at all times.
7. ERECT, DISMANTLE OR ALTER SHORING only under the supervision of a qualified person.
8. DO NOT ABUSE OR MISUSE THE SHORING EQUIPMENT.
9. INSPECT ERECTED SHORING: (a) immediately prior to concrete placement; (b) during concrete placement and while vibrating concrete, and (c) after concrete placement until concrete is set.
10. NEVER TAKE CHANCES! IF IN DOUBT REGARDING THE SAFETY OR USE OF THE SHORING, CONSULT YOUR SHORING SUPPLIER.
11. USE SHORING EQUIPMENT only for the purposes or in ways for which it was intended. Use proper tools when installing equipment.
12. ERECTING AND DISMANTLING OF SHORING requires good physical condition. Do not work on shoring if you feel dizzy, unsteady in any way or are impaired in any way by drugs or any other substances.
13. DO NOT USE SHORING SYSTEMS for fall protection.

B. **DO NOT EXCEED** manufacturer's recommended safe working load.

C. **ALL FLYING DECK FORMS SHALL BE** assembled, moved and maintained in accordance with the supplier's recommended procedures.

D. **IF MOTORIZED CONCRETE EQUIPMENT** is to be used, be sure that the shoring layout has been designed for use with this equipment and such fact is noted on the layout.

E. **METHOD OF ADJUSTMENT** should be provided on all flying deck form supporting members, for form leveling, vertical positioning, ease of stripping, and to adjust to uneven grade conditions where applicable.

F. **MAKE CERTAIN THAT ALL SUPPORTING MEMBERS** are in firm contact with the flying form stringer/ledger, and that supports are located in positions as shown on the shoring layout.

G. **USE SPECIAL PRECAUTIONS** when shoring from or to sloped surfaces.

H. **RESHORING** is one of the most critical operation in formwork; consequently, reshoring procedure must be designed by a qualified person and approved by the architect/engineer record.

I. **USE DECK FORM MATERIALS WITH PROPERTIES** as stated on the shoring layout drawing. Do not splice joists or ledgers between supports unless details are given on the shoring layout.

- J. **DO NOT RELEASE FORMS** until proper authority is given.
- K. **FIELD OPERATIONS SHALL BE**, at all times, under the direct supervision of a supervisor who is qualified and familiar with the procedures for assembly, erection, flying, and horizontal movement of the flying deck form system being used.
- L. **MAKE CERTAIN** that a positively controlled method of tieback or braking is used when moving the deck form. The system must never be allowed to have free or uncontrolled horizontal movement.
- M. **LEDGERS/STRINGERS AND JOISTS MUST BE** stabilized and laterally braced to assure that the deck form system is stable against any foreseeable lateral loads.
- N. **THE CRANE USED TO FLY** the deck form must not pull the deck form out of the building bay. A controlled and independent device or force must provide for horizontal movement of the deck form.
- O. **SLINGS AND RIGGING** used in flying the deck form system must comply with all safe practices and applicable governmental regulations governing their use.
- P. **AVOID SHOCK OR IMPACT LOADS.**
- Q. **DO NOT MAKE UNAUTHORIZED CHANGES OR** substitutions of equipment; always consult your supplier prior to making changes necessitated by jobsite conditions.
- R. **SAFETY MEASURES** shall be taken for all personnel involved in the rigging of the flying deck form for flying. No personnel shall be allowed to “ride” the deck form or rigging during flying.
- S. **DURING CONCRETE PLACEMENT AND DECK FORM RIGGING, THE FREE END CANTILEVER OF A DECK FORM** shall not exceed the amount as recommended by the supplier. Follow the recommended flying procedure as given by the supplier.
- T. **ANY AND ALL LOOSE COMPONENTS OF THE** deck form system (i.e., bulkheads, beam sides, filler strips, etc.), if flown with the form, must be securely fastened to the deck form prior to moving.
- U. **CONSULT YOUR SUPPLIER IF** weatherproof covering, etc., is to be attached to the flying system.
- V. **ALL PERSONNEL IN THE AREA** shall be advised and protected during all flying operations. Do not stand under the deck form during the flying operation.
- W. **ALL ATTACHED PERIMETER GUARDRAILS, MIDRAILS AND TOEBOARDS** shall conform to applicable codes and regulations.
- X. **THE WEIGHT OF THE FLYING DECK FORM SHALL NOT** exceed the capacity of the crane for each application.

SH303
rev. 11/03