

The following safety tips are offered by the engineering department of Bil-Jax, Inc. as guide-lines in avoiding job-site situations that could prove dangerous to scaffold workmen.

# TIPS ON SCAFFOLD SAFETY

courtesy of **Bil-Jax** INC. arehbold, ohio

POST WHERE WORKMEN CAN SEE

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## CHECK SAFETY CODES.

OSHA, state and local safety codes should be consulted; and approval obtained from Building Safety and Industrial Commission on scaffold set-ups.

## INSPECT AND CHECK.

Take no chances. Inspect the scaffold set up after erection, and daily while in use. Don't remove, or allow removal, of any parts without OK from proper authorities. When wire rope is used, inspect it on each job.

SEE ADDITIONAL INFORMATION ON BACK SIDE.



### BEGIN WITH GOOD FOOTING.

Use base plates, sills, or footers (or combination) on solid ground; make sure scaffold is levelled or plumbed.

## REJECT DAMAGED PARTS.

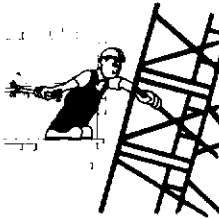
Bent, or otherwise damaged end frames or braces should not be used. Put them aside for replacement. For repair contact Bil-Jax, Inc.

## DON'T SHORT-CHANGE BRACING.

Use braces at all points provided; add extra braces if needed to insure rigidity.

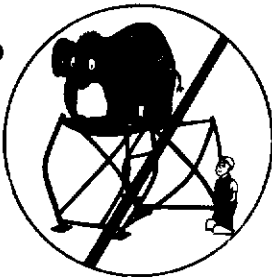
## TIE SCAFFOLD TO BUILDING.

Scaffolding should be tied to the structure, using heavy wire or tie-in device, every 25 feet or less of rise, and every 30 feet of length.



## DON'T OVERLOAD SCAFFOLDING.

Follow the safe load capacities as given by the scaffold manufacturer. There's a limit even to what steel can support. A 4-to-1 safety factor must be figured on scaffolding.



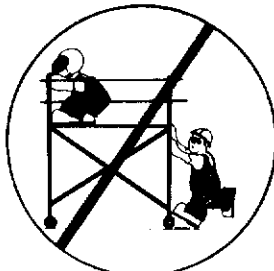
## USE METAL CATWALKS, PLATFORMS

where available. If wood plank is used, it must be scaffold grade or better. Inspect thoroughly before every job to make sure it is free from breaks, knots, cracks or warpage. Decking should be full width.

## DON'T RIDE ON MOVING SCAFFOLD

and remember rolling scaffold units are limited in height to 4<sup>1</sup>/<sub>2</sub> times their narrowest base dimension (unless base is widened by outriggers, or more end frames; or tied into building.)

Always keep casters locked (except to re-spot).

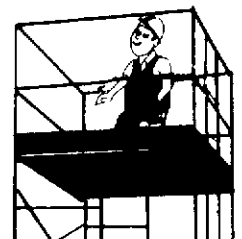


**FIRE**  
**POLICE**  
**AMBULANCE**

Do Not Use in Area Where User Can Come in Contact With Live Power.

## DON'T CLIMB ON BRACES.

Use the steps provided on most all steel scaffolds to climb up to or down from work levels. Use scaffold climbing ladders where required.



## PROTECT WORKING LEVELS.

Use overhead canopies to protect workers on lower work levels when work is being done overhead. Rope off unsafe areas underneath scaffold or provide wire mesh around work area.

## USE DOUBLE GUARD RAILS

and tie boards on exposed sides at platform heights of 6 feet or more

\*EXCEPTIONS: three times in California, Ohio, Oregon, Montana, Maine; 3<sup>1</sup>/<sub>2</sub> times in Washington.

# SCAFFOLDING SAFETY RULES

## as Recommended by

### SCAFFOLDING AND SHORING INSTITUTE

(SEE SEPARATE SHORING SAFETY RULES)

Following are some common sense rules developed to promote safety in the use of steel scaffolding. These rules are illustrative and suggestive only, and are intended to deal only with some of the many practices and conditions encountered in the use of scaffolding. The rules do not purport to be all-inclusive or to supplant or reduce other additional safety and precautionary measures to cover usual or unusual conditions. They are not intended to restrict work, or supersede any state, local or federal statute or regulation, referable to such specific provisions should be made by the user. (See Rule 11.)

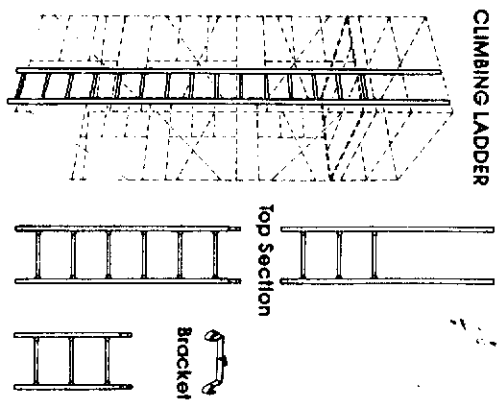
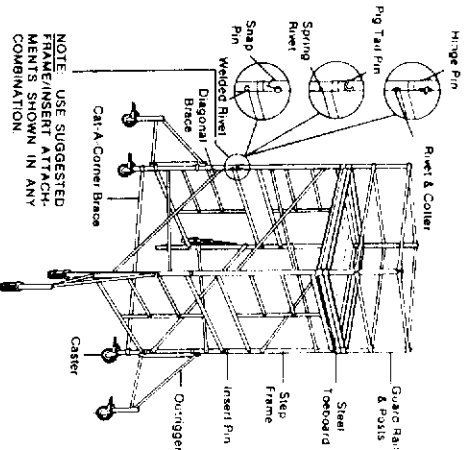
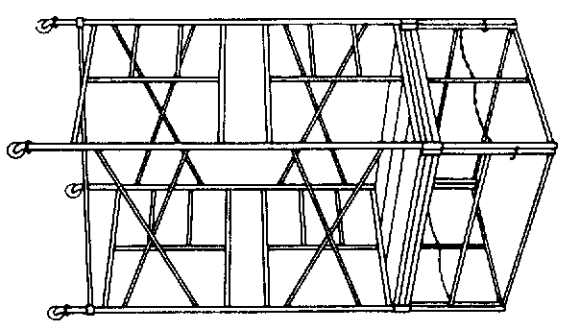
- I. **POST THESE SCAFFOLDING SAFETY RULES** in a conspicuous place and be sure that all persons who erect, dismantle or use scaffolding are aware of them.
- II. **FOLLOW ALL STATE, LOCAL AND FEDERAL CODES, ORDINANCES AND REGULATIONS** pertaining to scaffolding.
- III. **INSPECT ALL EQUIPMENT BEFORE USING**—Never use any equipment that is damaged or deteriorated in any way.
- IV. **KEEP ALL EQUIPMENT IN GOOD REPAIR.** Avoid using rusted equipment—the strength of rusted equipment is not known.
- V. **INSPECT ERECTED SCAFFOLDS REGULARLY** to be sure that they are maintained in safe condition.
- VI. **CONSULT YOUR SCAFFOLDING SUPPLIER WHEN IN DOUBT**—Scaffolding is his business. NEVER TAKE CHANCES.

- A. **PROVIDE ADEQUATE SHILTS** for scaffold posts and use base plates.
- B. **USE ADJUSTING SCREWS** instead of blocking to adjust to uneven grade conditions.
- C. **PLUMB AND LEVEL ALL SCAFFOLDS** as the erection proceeds. Do not force braces to fit—the scaffold until proper fit can be made easily.
- D. **FASTEN ALL BRACES SECRETLY.**
- E. **DO NOT CLIMB CROSS BRACES.** An access (climbing) ladder, access steps, frame designed to be climbed or equivalent safe access to the scaffold shall be used.
- F. **ON WALL SCAFFOLDS PLACE AND MAINTAIN ANCHORS** securely between structure and scaffold at least every 30' of length and 25' or more.
- G. **WHERE SCAFFOLDS ARE TO BE PARTIALLY OR FULLY ENCLOSED**, specific precautions must be taken to assure frequency and adequacy of the attaching load conditions resulting from effects of wind and weather. The scaffolding components to which the ties are attached must also be checked for additional loads.
- H. **PREVENT SWAYING FROM TIPPING** by KICKING or other means.
- I. **EQUIP ALL PLANKED OR STAGED AREAS** with proper gussetbars, midrails and toeboards along all open sides and ends of scaffold planks.
- J. **POWER LINES NEAR SCAFFOLDS** are dangerous—use caution and consult the power service company for advice.
- K. **DO NOT USE ladders** or makeshift devices on top of scaffolds to increase the height.
- L. **DO NOT OVERLOAD SCAFFOLDS.**
- M. **PLANKING:**
  1. Use only lumber that is properly inspected and graded as scaffold plank.
  2. Planking shall have at least 1 1/2" of overlap and extend 6" beyond center of support, or be cleated at both ends to prevent sliding off supports.
  3. All planked scaffold planks and platforms unless cleated or restrained by hooks shall extend over their end supports not less than 6 inches nor more than 12 inches.
  4. **Security plank to scaffold when necessary.**
- N. **EXCEPTIONS:** three times in California, Ohio, Oregon, Montana, Maine; 3 1/2 times in Washington. Form No. 3-61
- O. **FOR ROLLING SCAFFOLD THE FOLLOWING ADDITIONAL RULES APPLY:**
  1. **DO NOT RIDE ROLLING SCAFFOLDS.**
  2. **SECURE OR REMOVE ALL MATERIAL AND EQUIPMENT** from platform before moving.
  3. **CASTER BRAKES MUST BE APPLIED** at all times when scaffolds are not being moved.
  4. **CASTERS WITH PLAIN STEMS** shall be attached to the panel or adjustment screw by pins or other suitable means.
  5. **DO NOT ATTEMPT TO MOVE A ROLLING SCAFFOLD WITHOUT SUFFICIENT HELP**—obstructions for holes in floor and overhead.
  6. **DO NOT EXTEND ADJUSTING SCREWS ON ROLLING SCAFFOLDS MORE THAN 12"** near the bottom and at 20' intervals measured from the rolling surface.
  7. **USE HORIZONTAL DIAGONAL BRACING** on all rolling scaffolds, without consideration of over-burdening effect.
  8. **DO NOT USE BRACKETS ON ROLLING SCAFFOLDS.**
  9. **THE WORKING PLATFORM HEIGHT OF A ROLLING SCAFFOLD** must not exceed four times the smallest base dimension unless guyed or otherwise stabilized.
- P. For "PUTLOGS" and "TRUSSES" the following additional rules apply:
  1. **PUTLOGS/TRUSSES OR EXTEND PUTLOGS/TRUSSES** shall be secured without thorough consideration for loads to be applied.
  2. **PUTLOGS/TRUSSES SHOULD EXTEND AT LEAST 6"** beyond point of support.
  3. **PLACE PROPER BRACING BETWEEN PUTLOGS/TRUSSES** when the span of putlog/truss is more than 12".
- Q. **ALL BRACKETS** shall be secured correctly with side brackets parallel to the frame and end brackets at right angles to the frame. All brackets shall be bent or trained from normal position. Brackets (except mobile brackets designed to carry material) are to be used as work platforms only and shall not be used for storage of material or equipment.
- R. **ALL SCAFFOLDING ACCESSORIES** shall be used and installed in accordance with instructions. Components of accessories which are altered in the field. Scaffolds, frames and their components manufactured by different companies shall not be intermixed.

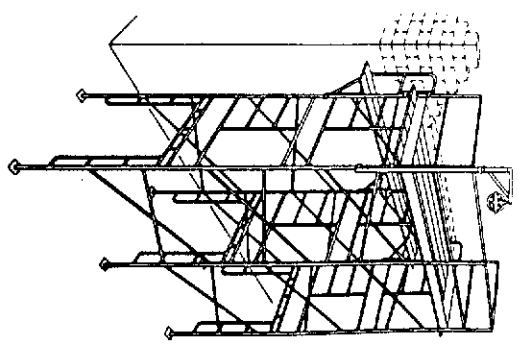
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## APPLICATIONS



6' ladder 3' ladder



ALL PHOTOS AND DRAWINGS ARE FOR ILLUSTRATION ONLY. FOLLOW ALL APPLICABLE ANSI AND OSHA CODES AND REGULATIONS FOR USE OF THIS EQUIPMENT. DO NOT USE IN AREA WHERE USER CAN COME IN CONTACT WITH LIVE POWER.