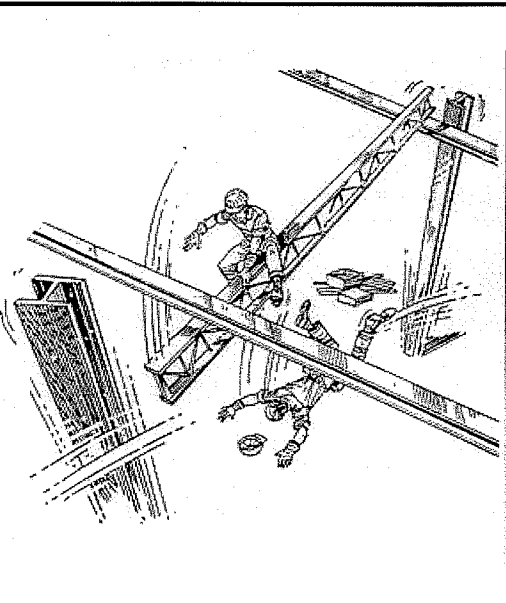


# ACCIDENT REPORT FATAL FACTS

## ACCIDENT SUMMARY No. 70

Accident Type:	Fall	
Weather Conditions:	Clear/cold	
Type of Operation:	New Building Construction	
Size of Work Crew:	2	
Competent Safety Monitor on Site:	Yes	
Safety and Health Program in Effect:	Partially	
Was the Worksite Inspected Regularly:	Occasionally	
Training and Education Provided:	Yes	
Employee Job Title:	Iron worker	
Age & Sex:	45-Male	
Experience at this Type of Work:	20 years	
Time on Project:	1 Week	

### BRIEF DESCRIPTION OF ACCIDENT

Five iron workers were distributing 90-foot-long open web bar joists on a building under construction. The bar joists were supported by vertical columns spaced 30 feet apart. The steel columns were not framed in at least two directions and the bar joists were not field bolted to the vertical columns to prevent collapse.

The bar joists shifted, causing the vertical columns to lean. This caused entire section of columns and pen web bar joists to collapse. Two employees rode the iron down. One was fatally injured and one received serious injuries.

### INSPECTION RESULTS

Following an inspection, OSHA issued citations for two serious violations of OSHA standards.

### ACCIDENT PREVENTION RECOMMENDATIONS

The employer must:

1. Ensure that during steel framing where bar joists are being used and columns are not being framed in at least two directions with structural steel members, the bar joists shall be field bolted to provide lateral stability during construction, in accordance with 29 Code of Federal Regulations Part 1926.751 (c)(1).
2. Install a center row of bolted bridging to provide lateral stability during construction prior to slacking of the hoisting line where longspan joists or trusses, 40 feet or longer, are used, in accordance with 29 CFR 1926.751 (c)(2).

### SOURCES OF HELP

- **OSHA 2202 Construction Industry Digest** includes all OSHA construction standards and those general industry standards that apply to construction. Order No. 029-016-00151-4, (\$2.25). Available from the Superintendent of Documents, Government Printing Office, Washington DC 20402-9325, phone (202) 512-1800. Make checks payable to Superintendent of Documents. For phone orders, Visa® or MasterCard®.
- OSHA Construction Standards (Title 29 Code of Federal Regulations (CFR) Part 1926) includes all OSHA job safety and health rules and regulations covering construction, may be purchased from the Government Printing Office, phone (202) 512-1800, fax (202) 512-2250, Order No. 869-032-00107-3, (\$31.00).
- OSHA-funded free consultation services listed in telephone directories under U.S. Labor Department or under the state government section where states administer their own OSHA programs.
- OSHA regulations, documents and technical information also are available on CD-ROM, which may be purchased from the Government Printing Office, phone (202) 512-1800 or fax (202) 512-2250, order number 729-13-00000-5; cost \$43 annually; \$17 quarterly. That information also is on the Internet World Wide Web at <http://www.osha.gov/>

**NOTE:** The case here described was selected as being representative of fatalities caused by improper work practices. No special emphasis or priority is implied nor is the case necessarily a recent occurrence. The legal aspects of the incident have been resolved, and the case is now closed.