Program Directive

Program Directive A-242
Issued September 11, 2000
Revised February 28, 2007

SUBJECT: Fall Protection: Personnel Lifts Used in Construction

REFERENCES: ANSI/SAI A92.2-1990, Vehicle-Mounted Elevating and Rotating Aerial Devices.

ANSI/SAI A92.3-1990, Manually Propelled Elevating Aerial Platforms.

ANSI/SAI A92.5-1992, Boom-Supported Elevating Work Platforms.

ANSI/SAI A92.6-1990, Self Propelled Elevating Work Platforms.

437-003-0073, Boom Supported Elevating Work Platforms.

437-003-0074, Scissor Lifts.

29 CFR 1926.453, Scaffolding
https://osha.oregon.gov/OSHARules/div3/div3L.pdf

PURPOSE: This directive clarifies the requirement for fall protection when employees are using aerial lifts, in construction, as described in the above ANSI/SAI standards, OR-OSHA rules, and this directive to ensure uniform enforcement of the rules.

The general industry standard for fall protection in Vehicle-Mounted aerial lifts is found in 29 CFR 1910.67. It allows a body belt for fall protection instead of a harness that is required in the construction industry.
https://osha.oregon.gov/OSHARules/div2/div2F.pdf

SCOPE: This directive applies to all OR-OSHA.

A. Vehicle-Mounted Elevating and Rotating Aerial Devices (ANSI/SAI A92.2-1990)

1. Equipment Covered. The following types of vehicle-mounted aerial devices:

(a) Extensible boom aerial device
(b) Aerial ladder

(c) Articulating boom aerial device
(d) Vertical tower
(e) A combination of any of the above

2. During operation of the aerial device the operator must wear a body belt or harness and be connected to the aerial device with a lanyard at the platform position.

3. If a body belt is used, the lanyard must be short enough to prevent the employee from climbing the sides of the platform or bouncing out of the basket. This would be considered a restraint device and must not permit any fall.

4. A body harness must be used with a fall arrest system. The aerial lift must be able to withstand the vertical and lateral loads caused by an arrested fall.

5. Employees must always stand firmly on the floor of the basket and must not sit or climb on the edge of the basket or use planks, ladders, or other devices for a work position.

6. Training for all employees operating aerial devices is required in accordance with 1926.454.

B. Manually Propelled Elevating Aerial Platforms (ANSI/SIA A92.3-1990)

1. Equipment Covered. Manually propelled, integral chassis aerial platforms having a platform that cannot be positioned completely beyond the base and are used to position personnel, along with their necessary tools and materials, at work locations. Platforms are adjustable by manual or powered means and can not be occupied when moved horizontally.

2. Aerial platforms designed to allow use with the guardrail system or sections of the guardrail system removed must have attachment point(s) for a fall protection device.

3. The operator must ensure that guardrails are installed and access gates or openings are closed per manufacture's instructions.

4. Personnel must maintain a firm footing on the platform floor while working thereon. Use of planks, ladders, or any other devices on the aerial platform for achieving additional height or reach is prohibited.

5. Training for all employees operating aerial platforms is required in accordance with 1926.454.

C. Boom-Supported Elevating Work Platforms (ANSI/SIA A92.5-1992) Brand names commonly used: JLG and Genie

1. Equipment Covered. Self-propelled integral chassis aerial platforms having a platform that can be positioned completely beyond the base and used to position personnel, along with their necessary tools and materials, at work locations. Aerial platforms are power operated with primary functions, including drive, controlled from the platforms. Such aerial platforms are intended to be occupied when driven.

2. The operator must ensure that guardrails are installed and access gates or openings are closed per manufacturer's instructions before elevation of the platform.

3. Personnel must maintain a firm footing on the platform floor while working therein. Use of planks, ladders, or any other devices on the aerial platform for achieving additional height or reach is prohibited.

4. Workers must use personal fall protection that complies with Division 3, Subdivision M, when working in these devices. If employees are exposed to a fall hazard a body harness must be used in conjunction with a fall arrest system.

5. A body belt can be used when the lanyard is short enough to prevent an employee from climbing the sides of the platform and does not permit any fall.

6. Training for all employees operating boom supported elevating work platforms is required in accordance with 1926.454.

D. Self-Propelled Elevating Work Platforms (ANSI/SIA A92.6-1990) Common name: scissor lift

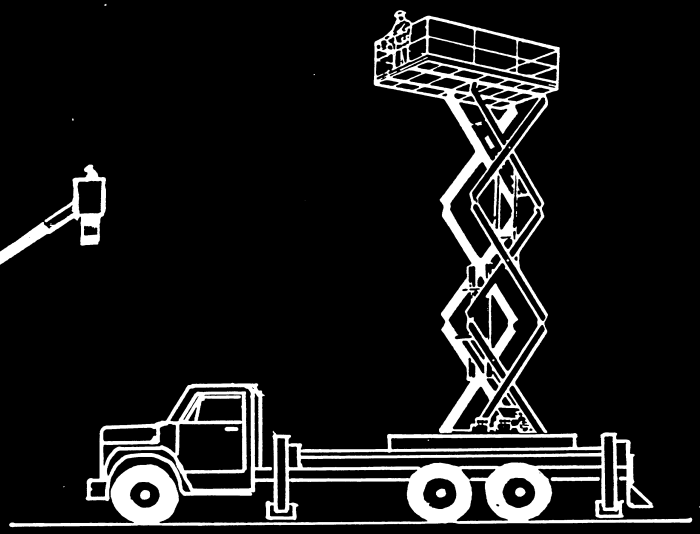
1. Equipment Covered. Self-propelled integral chassis aerial platforms having a platform that cannot be positioned completely beyond the base and are used to position personnel, along with their necessary tools and materials, at work locations. Aerial platforms are power operated with primary functions including drive controlled from the platform.

2. Before each elevation of the platform, the operator must ensure guardrails are installed and access gates or openings are closed per manufacturer's instructions.

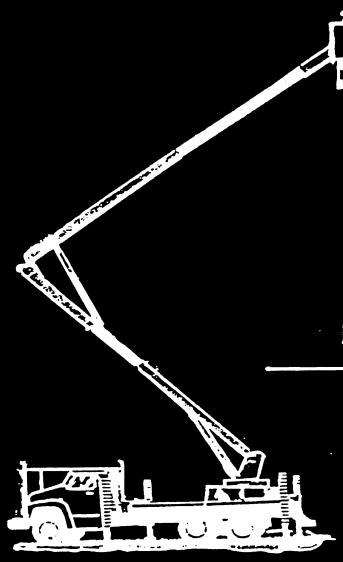
3. Personnel must maintain a firm footing on the platform floor while working thereon. Use of planks, ladders, or any other devices on the platform for achieving additional height or reach is prohibited.

4. Training for all employees operating scissor lifts is required in accordance with 1926.454.

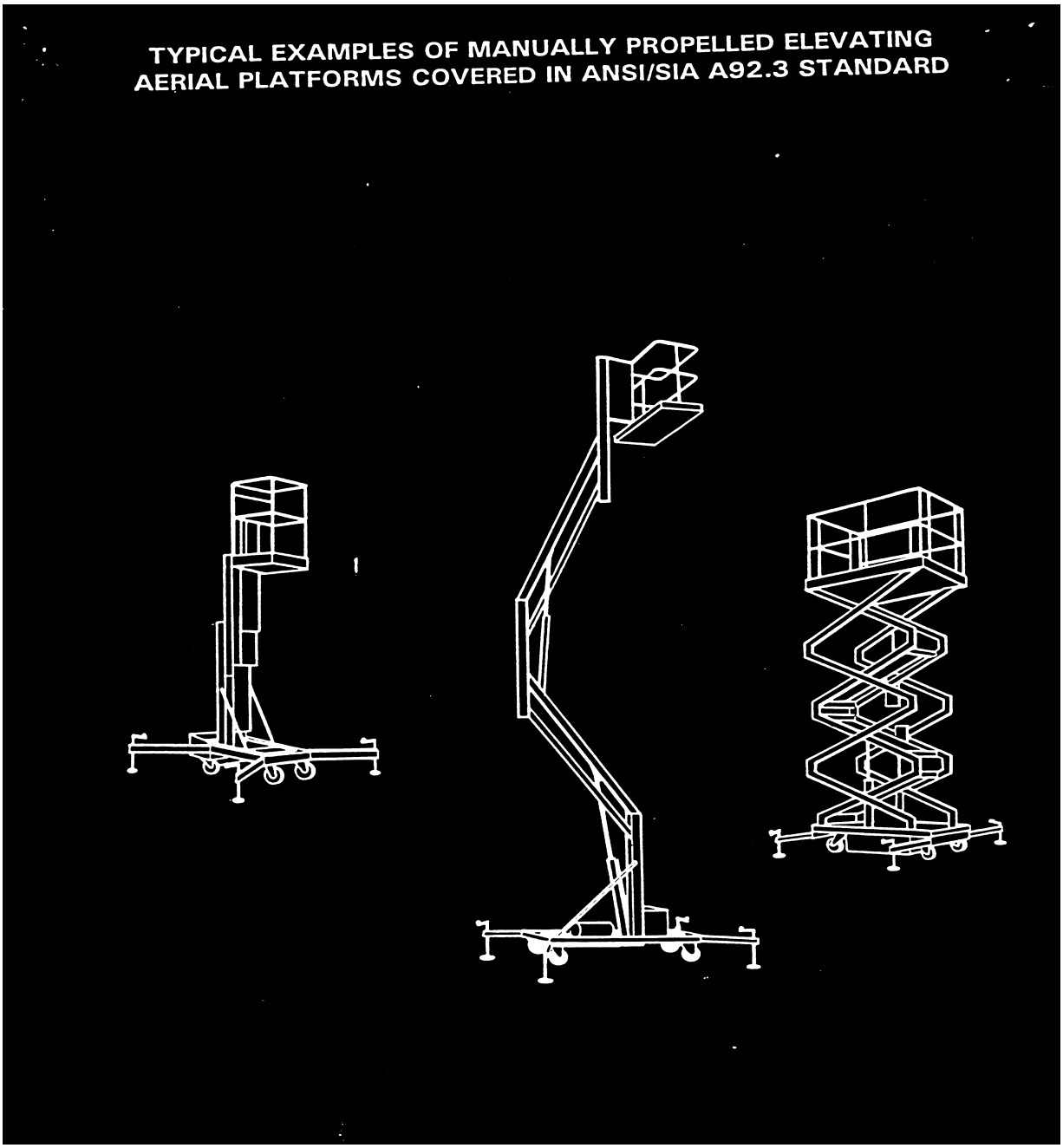
TYPICAL EXAMPLES OF VEHICLE-MOUNTED ELEVATING AND ROTATING AERIAL DEVICES COVERED IN ANSI/SIA A92.2 STANDARD

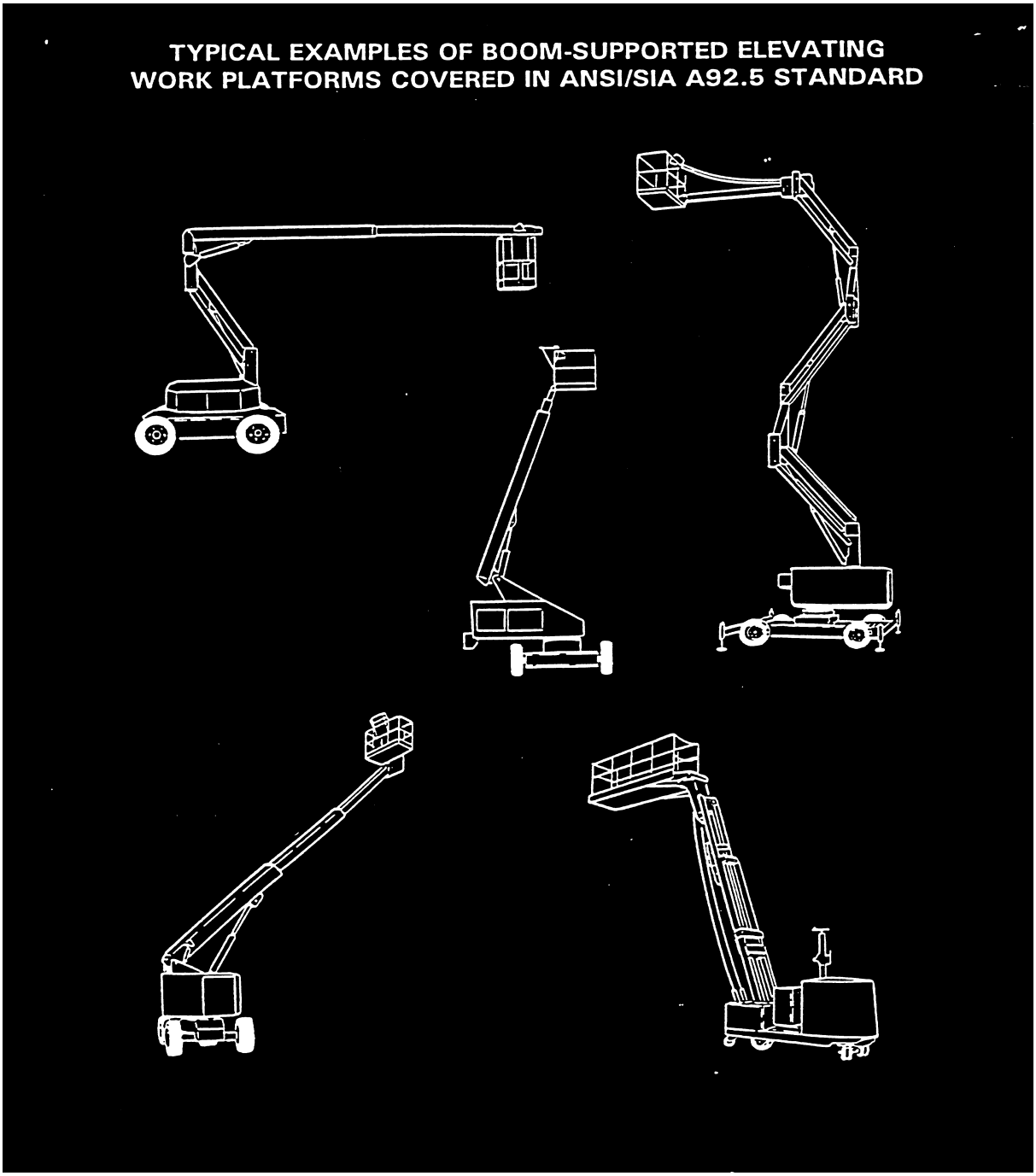


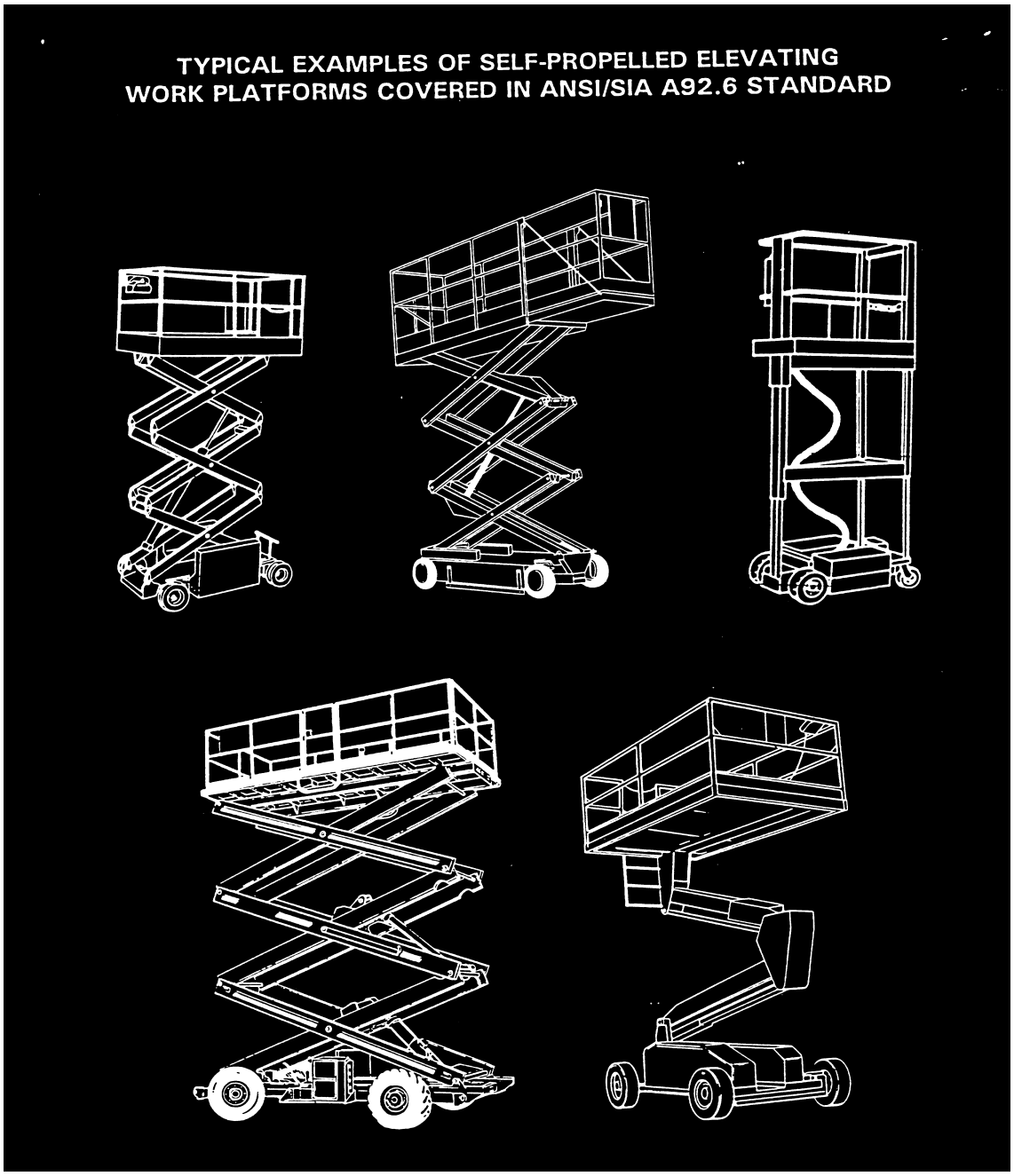
Vehicle-Mounted Aerial Platform
(Scissor Type)



Vehicle-Mounted Aerial Platform
with Telescoping and Rotating Boom


TYPICAL EXAMPLES OF MANUALLY PROPELLED ELEVATING
AERIAL PLATFORMS COVERED IN ANSI/SIA A92.3 STANDARD


TYPICAL EXAMPLES OF BOOM-SUPPORTED ELEVATING
WORK PLATFORMS COVERED IN ANSI/SIA A92.5 STANDARD


TYPICAL EXAMPLES OF SELF-PROPELLED ELEVATING
WORK PLATFORMS COVERED IN ANSI/SIA A92.6 STANDARD