Specification for the Design, Manufacture, and Installation of Industrial Steel Work Platforms

Abstract:

An industrial steel work platform is a prefabricated elevated platform located in an industrial environment, pre-designed using a steel framing system. Flooring may include other structural or non-structural elements such as, but not limited to, concrete, steel, and/or engineered wood-products. This Specification is intended to be applied to the design, manufacturing, installation, and maintenance of such structures.
American National Standard

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American National Standard

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Storage Equipment Manufacturers Association (SMA)
A Product Section of Material Handling Industry of America (MHIA),
MHIA is a Division of Material Handling Industry

Approved October 27, 2009
American National Standards Institute, Inc.
Disclaimer

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Foreword  (This foreword is not part of American National Standard MH28.3-2009)

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The membership of SMA is made up of companies which produce the majority of the industrial steel work platforms as defined by the scope of this Standard.

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In the interest of safety, all users of work platforms are advised to regularly inspect and properly maintain the structural integrity of their structure by assuring proper operational, housekeeping, and maintenance procedures.

Users of the Standard must rely on competent advice to specify, test, and/or design the industrial steel work platform for their particular application. This Standard is offered as a guideline. If a user refers to, or otherwise employs, all or any part of this Standard, the user agrees to follow the terms of indemnity, warranty disclaimer, and disclaimer of liability.

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1.0 Overview

1.1 Scope

1.1.1 This Specification applies to industrial steel work platforms. An industrial steel work platform is a prefabricated elevated platform located in an industrial environment, pre-designed using a steel framing system. Flooring may include other structural or non-structural elements such as, but not limited to, concrete, steel, and/or engineered wood-products. The people working on such a platform shall be trained employees, accustomed to a manufacturing or warehouse environment and dressed accordingly.

1.1.2 This Specification is intended to be applied to the design, manufacturing, installation, and maintenance of such structures.

1.1.3 Industrial steel work platforms are hereinafter be referred to as “work platforms”.

1.2 Integrity of work platforms

The owner shall maintain the integrity of the installed work platform by assuring proper operational housekeeping and maintenance procedures including, but not limited to, the following:

1.2.1 Prohibit overloading at any one area or the overall platform.

1.2.2 Keep the guardrail and handrail in place under normal conditions.

1.2.3 Keep access and egress stairways free of debris.

1.2.4 Properly enforce application restrictions as stated in the scope of this Specification.

1.2.5 When damaged, immediately unload the appropriate area of the structure, then repair or replace the damaged component(s).