ANSI/ASSP A10.37-2016

Debris Net Systems Used During Construction and Demolition Operations

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ANSI/ASSE A10.37 – 2016

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American National Standard
Construction and Demolition Operations

Debris Net Systems Used During Construction and Demolition Operations

Secretariat

American Society of Safety Engineers
520 N. Northwest Highway
Park Ridge, Illinois 60068

Approved September 26, 2016

American National Standards Institute, Inc.

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Published November 2016 by

American Society of Safety Engineers
520 N. Northwest Highway
Park Ridge, Illinois 60068
(847) 699-2929 • www.asse.org

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Foreword (This Foreword is not a part of American National Standard A10.37-2016.)

This standard is one of a series of safety standards that have been formulated by the Accredited Standards Committee on Safety in Construction and Demolition Operations, A10. It is expected that the standards in the A10 series will find a major application in industry, serving as a guide to contractors, labor, and equipment manufacturers. For the convenience of users, a list of existing and proposed standards in the A10 series for Safety Requirements in Construction and Demolition Operations follows.

A10.1 Pre-Project & Pre-Task Safety & Health Planning
A10.2 Safety, Health and Environmental Training (under development)
A10.3 Powder-Actuated Fastening Systems
A10.4 Personnel Hoists and Employee Elevators
A10.5 Material Hoists
A10.6 Demolition Operations
A10.7 Transportation, Storage, Handling and Use of Commercial Explosives and Blasting Agents
A10.8 Scaffolding
A10.9 Concrete and Masonry Construction
A10.10 Temporary and Portable Space Heating Devices
A10.11 Personnel Nets
A10.12 Excavation
A10.13 Steel Erection
A10.15 Dredging
A10.16 Tunnels, Shafts and Caissons
A10.17 Safe Operating Practices for Hot Mix Asphalt (HMA) Construction
A10.18 Temporary Roof and Floor Holes, Wall Openings, Stairways and Other Unprotected Edges
A10.19 Pile Installation and Extraction Operations
A10.20 Ceramic Tile, Terrazzo, and Marble Work
A10.21 Safe Construction and Demolition of Wind Generation/Turbine Facilities (under development)
A10.22 Rope-Guided and Non-Guided Workers' Hoists
A10.23 Safety Requirements for the Installation of Drilled Shafts
A10.24 Roofing – Safety Requirements for Low-Sloped Roofs
A10.25 Sanitation in Construction
A10.26 Emergency Procedures for Construction Sites
A10.27 Hot Mix Asphalt Facilities
A10.28 Work Platforms Suspended from Cranes or Derricks
A10.29 Aerial Platforms in Construction (under development)
A10.31 Digger-Derricks
A10.32 Personal Fall Protection Used in Construction and Demolition Operations
A10.33 Safety and Health Program Requirements for Multi-Employer Projects
A10.34 Public Protection
A10.37 Debris Nets
A10.38 Basic Elements of a Program to Provide a Safe and Healthful Work Environment
A10.39 Construction Safety and Health Audit Program
A10.40 Reduction of Musculoskeletal Problems in Construction
A10.42 Rigging Qualifications and Responsibilities in the Construction Industry
A10.43 Confined Spaces in Construction and Demolition Operations
A10.44 Lockout/Tagout in Construction
A10.46 Hearing Loss Prevention
A10.47 Highway Construction Safety
A10.48 Communication Structures
A10.49 Control of Health Hazards

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AMERICAN NATIONAL STANDARD A10.37
DEBRIS NET SYSTEMS USED DURING CONSTRUCTION AND DEMOLITION OPERATIONS

1. GENERAL

1.1 Scope. This standard establishes safety requirements for the design, selection, installation and use of debris net systems during construction, demolition operations and for the temporary containment of debris from deteriorating structures.

1.2 Purpose. The purpose of this standard is to provide the criteria for debris net selection and use and to provide design, test and installation requirements for debris nets.

1.3 Exceptions. For cases of practical difficulty and unnecessary hardship, or where other extenuating circumstances exist, the competent person may grant exception to the literal requirements of this standard and permit alternate methods, but only when it is clearly evident that equivalent safeguards are being provided.

2. DEFINITIONS

2.1 Construction Project. Any activity involving the construction, alteration, maintenance or repair of a structure.

2.2 Demolition Project. Any activity involving the demolition of an existing structure.

2.3 Competent Person. One who is capable of identifying existing and predictable hazards in the surroundings or working conditions which are hazardous or dangerous to employees and the public and who has authorization to take prompt corrective measures to eliminate or control them.

2.4 Synthetic Fibers. A fiber produced artificially by manufacturing processes, such as nylon, polypropylene or polyester.

2.5 Personnel Net. A net which is designed, tested and installed in accordance with ANSI/ASSE A10.11 for personnel fall protection.

2.6 Debris Net. A net which is designed, tested and installed in accordance with this standard to catch or contain debris only.

2.7 Horizontal Debris Net. A debris net which is installed in a horizontal or near horizontal plane. Refer to 3.1 for special considerations.

2.8 Vertical Debris Net. A debris net which is installed in a vertical or near vertical plane.

2.9 Public. All persons or property not associated with the project including jobsite visitors who are not employed by the owner or contractors.

2.10 Rated Load. The manufacturer's rated working load.

2.11 User. The person or persons having care, custody or control of the equipment at the installation.

3. INSTALLATION CONSIDERATIONS

3.1 Whenever a debris net is installed horizontally and personnel are working above, then the net and supports and the installation shall conform in all respects to the requirements of ANSI/ASSE A10.11 for personnel nets.

3.2 A competent person shall inspect each construction and demolition project, and deteriorating structure, where the

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