

ANSI/ASSP A10.4-2016

Safety Requirements for Personnel Hoists and Employee Elevators on Construction and Demolition Sites

The American Society of Safety Engineers (ASSE) is now the American Society of Safety Professionals (ASSP). ASSP continues to be the Secretariat for the committee producing this standard and continues to hold the copyright to this standard. There is no change to the content and requirements in the standard. The only change is on the cover indicating the organizational name change of the standards developing organization from ASSE to ASSP.



AMERICAN SOCIETY OF
SAFETY PROFESSIONALS



This is a preview. [Click here to purchase the full publication.](#)

The information and materials contained in this publication have been developed from sources believed to be reliable. However, the American Society of Safety Engineers (ASSE) as secretariat of the ANSI accredited A10 Committee or individual committee members accept no legal responsibility for the correctness or completeness of this material or its application to specific factual situations. By publication of this standard, ASSE or the A10 Committee does not ensure that adherence to these recommendations will protect the safety or health of any persons, or preserve property.

ANSI®
ANSI/ASSE A10.4 – 2016

American National Standard
Construction and Demolition Operations
Safety Requirements for Personnel Hoists
and Employee Elevators on
Construction and Demolition Sites

Secretariat

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

Approved January 6, 2016

American National Standards Institute, Inc.

American National Standard

Approval of an American National Standard requires verification by ANSI that the requirements for due process, consensus, and other criteria for approval have been met by the standards developer. Consensus is established when, in the judgment of the ANSI Board of Standards Review, substantial agreement has been reached by directly and materially affected interests. Substantial agreement means much more than a simple majority, but not necessarily unanimity. Consensus requires that all views and objections be considered, and that a concerted effort be made toward their resolution. The use of American National Standards is completely voluntary; their existence does not in any respect preclude anyone, whether he/she has approved the standards or not, from manufacturing, marketing, purchasing, or using products, processes, or procedures not conforming to the standards. The American National Standards Institute does not develop standards and will in no circumstance give an interpretation of any American National Standard. Moreover, no person shall have the right or authority to issue an interpretation of an American National Standard in the name of the American National Standards Institute. Requests for interpretation should be addressed to the secretariat or sponsor whose name appears on the title page of this standard.

Caution Notice: This American National Standard may be revised or withdrawn at any time. The procedures of the American National Standards Institute require that action be taken periodically to reaffirm, revise, or withdraw this standard. Purchasers of American National Standards may receive current information on all standards by calling or writing the American National Standards Institute.

Published February 2016 by

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

Copyright © 2016 by American Society of Safety Engineers
All Rights Reserved.

No part of this publication may be reproduced
in any form, in an electronic retrieval system or
otherwise, without the prior written permission
of the publisher.

Printed in the United States of America

Foreword (This Foreword is not a part of American National Standard A10.4-2016.)

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 (under development)
- A10.44 Lockout/Tagout in Construction
- A10.46 Hearing Loss Prevention
- A10.47 Highway Construction Safety
- A10.48 Communication Tower Erection (under development)
- A10.49 Control of Health Hazards

One purpose of these standards is to serve as guides to governmental authorities having jurisdiction over subjects within the scope of the A10 Committee standards. If these standards are adopted for governmental use, the reference of other national codes or standards in individual volumes may be changed to refer to the corresponding regulations.

Revisions: The A10 Committee welcomes proposals for revisions to this standard. Revisions are made to the standard periodically (usually five years from the date of the standard) to incorporate changes that appear necessary or desirable, as demonstrated by experience gained from the application of the standard. Proposals should be as specific as possible, citing the relevant section number(s), the proposed wording and the reason for the proposal. Pertinent documentation would enable the A10 Committee to process the changes in a more-timely manner.

Interpretations: Upon a request in writing to the Secretariat, the A10 Committee will render an interpretation of any requirement of the standard. The request for interpretation should be clear, citing the relevant section number(s) and phrased as a request for a clarification of a specific requirement. Oral interpretations are not provided.

No one but the A10 Committee (through the A10 Secretariat) is authorized to provide any interpretation of this standard.

Approval: Neither the A10 Committee nor American National Standards Institute (ANSI) approves, certifies, rates or endorses any item, construction, proprietary device or activity.

Appendices: Appendices are included in most standards to provide the user with additional information related to the subject of the standard. Appendices are not part of the approved standard.

Checklists: Checklists included in A10 standards may be copied and used in non-commercial settings only.

Committee Meetings: The A10 Committee meets twice per year. Persons wishing to attend a meeting should contact the Secretariat for information.

Standard Approval: This standard was processed and approved for submittal to ANSI by the American National Standards Committee on Safety in Construction and Demolition Operations, A10. Approval of the standard does not necessarily imply (nor is it required) that all Committee members voted for its approval. At the time ANSI approved this standard, the A10 Committee had the following members:

Richard King, CSP, Chair
 Steven Rank, Vice Chair
 Timothy R. Fisher, CSP, CHMM, ARM, CPEA, Secretary
 Ovidiu Munteanu, Assistant Secretary
 Jennie Dalesandro, Administrative Technical Support

Organization Represented

Name of Representative

Accident Prevention Corporation	Frank Burg, CSP, P.E.
American Insurance Services Group	Terry Krug, CSP, CIH
ASCE - Construction Institute Committee	Thad Nosal
American Society of Safety Engineers	James G. Borchardt, CSP, CPE, CRIS
American Wind Energy Association	William R. Nash, P.E.
American Work Platform Training, Inc.	Harlan Fair, P.E.
Associated Builders and Contractors, Inc.	Ken Shorter, CSP, ARM, TCDS
Associated General Contractors of America, The	A. David Brayton, CSP, CPC
Association of Union Constructors, The	Christopher Daniels
A-Z Safety Resources, Inc.	Michele Myers Mihelic
Barton-Malow Company	Dennis W. Eckstine
Black & Veatch	Ralph Riley
Building & Construction Trades Department	Chris Williams
CPWR - Center for Construction Research & Training	Michael McCaffrey
Capital Safety Group (3M Corporation)	Kevin Cannon
Clark Construction Group	Wayne Creasap, II
Cole-Preferred Safety Consulting, Inc.	Kathleen Dobson, CSP, CHST, STS-C
Philip L. Colleran	Jane F. Williams, CPEA, CCA
Construction & Realty Safety Group, Inc.	Jeffrey Oliver
Edison Electric Institute	Mark Haggemaker
Elevator Industry Work Preservation Fund	Richard F. King, CSP
Ellis Fall Safety Solutions	John H. Johnson, CSP
Engineering Systems, Inc.	Pete Stafford
Fluor Corporation	Chris Trahan, CIH
Gilbane Building Co.	Bruce Lippy, Ph.D., CIH, CSP
Richard D. Hislop	Scott C. Casebolt
	Joseph Yeatman
	Kurt Dunmire, CSP, CHST
	Jeff Ambrose, CSP, CHST, CET
	Barry Cole
	Philip L. Colleran, CSP
	Ron Lattanzio
	Frank Marino
	R. Lee Reed, Jr.
	Charles Kelly
	Michael D. Morand
	James Demmel
	J. Nigel Ellis, Ph.D., P.E., CSP, CPE
	John T. Whitty, P.E.
	David Ahearn, P.E.
	Ed Tuczak, P.E.
	Michael Weatherred, CSP
	Craig Clairmont, CIH
	Anthony O'Dea, CSP, CHST
	Charles Paul, Jr., CSP
	Richard Hislop
	Shawn Bradfield

Independent Electrical Contractors, Inc.	John P. Masarick
Institute of Makers of Explosives	Jerry Rivera
Insulators International Union	Susan JP Flanagan
International Association of Bridge, Structural, Ornamental and Reinforcing Iron Workers	Ronald Thomas
International Brotherhood of Boilermakers	Terry Lynch
International Brotherhood of Electrical Workers	Jim E. Lapping, MS, P.E., CSP
International Brotherhood of Teamsters	Steven Rank
International Safety Equipment Association	Mark Garrett
International Union of Bricklayers & Allied Craftworkers	Bridget Connors
International Union of Operating Engineers	David Mullen
Jack L. Mickle & Associates	LaMont Byrd, CIH
Laborers' International Union of North America	Asher Tobin
Lamar Advertising	Cristine Fargo
Lend Lease	Michael Kassman, CHST
Liberty Mutual Insurance	Gerard Scarano
Marsh USA, Inc.	Barbara McCabe
Maryland Occupational Safety & Health	Jack Mickle, Ph.D., P.E.
Mechanical Contractors Association of America	Steve Stock, P.E., PLS
National Association of Home Builders	Scott Schneider, MS, CIH
National Association of Railroad Safety Consultants & Investigators	Walter A. Jones, MS, CIH
National Electrical Contractors Association	Chuck Wigger, CSP
National Institute for Occupational Safety & Health	Micky Vint
National Railroad Contractors & Maintenance Association	Joel Pickering, CET, CHMM
National Roofing Contractors Association	Michael Lentz
National Society of Professional Engineers	John Rabovsky, MS, CSP, CHST, CRIS, ARM
Operative Plasterers and Cement Masons International Association	Timothy Bergeron, CSP
Daniel M. Paine	Mischelle Vanreusel
Phoenix Fabricators and Erectors, Inc.	Michael Daughaday
Powder Actuated Tool Manufacturer's Institute	Peter Chaney, MS, CSP
Power Consultants, Incorporated	Dennis Langley
Professional Safety Consultants, Inc.	Robert Matuga
	Chelsea Vetick
	Lewis Barbe, P.E., CSP, CRSP
	Michael J. Johnston
	Wesley Wheeler
	Thomas G. Bobick, Ph.D., P.E., CSP, CPE
	G. Scott Earnest, Ph.D., P.E., CSP
	Jeffrey D. Meddin, CSP, CHEP, CHCM
	Harry Dietz
	Tom Shanahan
	E. Ross Curtis, P.E., DFE
	Paul Swanson, P.E.
	Deven Johnson
	Daniel M. Paine
	Barbara Paine
	Robert E. Clouse, CSP, CHST
	Luke Humphrey
	James A. Borchers
	David Jablonski
	David Goldsmith
	Camille Villanova
	Jim E. Lapping, MS, P.E., CSP