

ASSP/A10 GUIDANCE DOCUMENT

For Construction and Demolition Operations

ASSP A10.0-2021

The Construction and Demolition Operations
Compendium of Standards



AMERICAN SOCIETY OF
SAFETY PROFESSIONALS

PREVIEW ONLY

The information and materials contained in this publication have been developed from sources believed to be reliable. However, the American Society of Safety Professionals (ASSP) 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 document, ASSP or the A10 Committee does not ensure that adherence to these recommendations will protect the safety or health of any persons or preserve property.

ASSP A10.0 – 2021

ASSP/A10 Guidance Document

**A10 Construction and Demolition Operations
Compendium of Standards**

Secretariat

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

This is an ASSP-produced guidance document. This document is not an ANSI standard.

ASSP/A10 Guidance Document

While this document is not an American National Standard, it does serve as a guideline to the ANSI/ASSP A10 Standards. In regard to the referenced ANSI/ASSP standards, 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 they have 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 a standard.

Caution Notice: This document, serving as a guideline to the ANSI/ASSP A10 American National Standards, 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 the referenced standards. Purchasers of American National Standards may receive current information on all standards by calling or writing the American National Standards Institute.

Published June 2021 by

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

Published by American Society of Safety Professionals
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 ASSP A10.0-2021.)

This document is not an American National Standard but serves as a guideline to 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 ANSI/ASSP 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 and technical materials in the A10 series for Safety Requirements in Construction and Demolition Operations follows.

A10.0	The Construction and Demolition Compendium of Standards
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	Use, Storage, Handling and Site Movement of Commercial Explosives and Blasting Agents
A10.8	Scaffolding
A10.9	Concrete and Masonry Construction
A10.11	Personnel Nets
A10.12	Excavation
A10.13	Steel Erection
A10.15	Dredging
A10.16	Tunnels, Shafts and Caissons
A10.18	Temporary Roof and Floor Holes, Wall Openings, Stairways and Other Unprotected Edges
A10.19	Pile Installation and Extraction Operations
A10.21	Safe Construction and Demolition of Wind Generation/Turbine Facilities
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
A10.28	Work Platforms Suspended from Cranes or Derricks
A10.29	Pre-Planning, Installation, Inspection and Use of Fall Protection for Construction and Demolition (under development)
A10.30	Installation of Anchors and Micropiles
A10.31	Digger-Derricks
A10.32	Personal Fall Protection Systems Used in Construction and Demolition Operations
A10.33	Safety and Health Program Requirements for Multi-Employer Projects
A10.34	Public Protection
A10.35	Pressure Testing of Steel and Copper Piping Systems
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
A10.50	Heat Stress Management in Construction and Demolition Operations (under development)
A10.100	Prevention through Design in Construction
A10.101	Drones in Construction (under development)

- A10.102 Emerging Technology in Construction (under development)
A10.103 Lagging and Leading Indicators Used in Construction (under development)
A10.104 Pandemics and Infectious Diseases on Construction and Demolition Sites (under development)

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.

Normative Requirements: This document uses the single column format common to many international standards. The normative requirements appear aligned to the left margin. To meet the requirements of this standard, machinery, equipment and process suppliers and users must conform to these normative requirements. These requirements typically use the verb “shall.”

NOTE: The informative or explanatory notes in this standard appear indented, in italics, in a reduced font size, which is an effort to provide a visual signal to the reader that this is informative note, not normative text, and is not to be considered part of the requirements of this standard; this text is advisory in nature only. The suppliers and users are not required to conform to the informative note. The informative note is presented in this manner in an attempt to enhance readability and to provide explanation or guidance to the sections they follow.

Revisions: The A10 Committee welcomes proposals for revisions to A10 standards. Revisions are made to the standards 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 an A10 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 an A10 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.

Publication: At the time of publication of this document, the A10 Committee had the following members:

John Johnson, CSP, Chair
Steven Rank, Vice Chair
Timothy R. Fisher, CSP, CHMM, ARM, CPEA, CAE, STS, Secretary
Lauren Bauerschmidt, MS Engr, CSP, STS, Assistant Secretary
Jennie Dalesandro, Administrative Technical Support

Organization Represented

Name of Representative(s)

3M	Raymond Mann Heidi Lopez-Hidalgo, P.E.
AFL-CIO	MK Fletcher Rebecca Reindel
AGC of America	Michael McCaffrey Kevin Cannon
Alliance of Hazardous Materials Professionals	Carl Heinlein, CSP, ARM, CRIS
American Clean Power Association	Christopher Daniels Michele Myers Mihelic
American Insurance Services Group	Thad Nosal
American Society of Civil Engineers	James Borchardt, CSP, CPE John O'Connor, P.E.
American Society of Safety Professionals	Harlan Fair, P.E. Ken Shorter, CSP, ARM, TCDS
Associated Builders & Contractors, Inc.	A. David Brayton, CSP, CPC Stephen Wiltshire, MSc
Barton Malow Company	Greg Sizemore Mark Haggemaker, CHST, CCHT
Black & Veatch	Ryan Monahan John Johnson, CSP
Building & Construction Trades Department	Jason Scollin, CSP, MS, STSC, CRIS Chris Cain, CIH
Century Elevators	Gary Gustafson Paula Manning
Clark Construction Group	Eric Schmidt, P.E. Kurt Dunmire, CSP, CHST
Cole-Preferred Safety Consulting, Inc.	Austin Cichon Barry Cole
Conner Strong & Buckelew	Eric Voight, CSP Ken Bogdan
Construction & Realty Safety Group, Inc.	Ron Lattanzio Frank Marino
CPWR - The Center for Construction Research & Training	Bruce Lippy, Ph.D., CIH, CSP Babak Memarian, Ph.D., CSP, CHST
Eckstine & Associates, Inc.	Dennis Eckstine Matthew Eckstine

Edison Electric Institute

Elevator Industry Work Preservation Fund

Ellis Fall Safety Solutions, LLC

Engineering Systems, Inc.

Fluor Corporation
Gilbane Building Co.

Hislop, Richard D.

Independent Electrical Contractors, Inc.

Innovative Safety, LLC
Institute of Makers of Explosives

International Association of Bridge, Structural, Ornamental
& Reinforcing Iron Workers

International Association of Heat & Frost Insulators &
Allied Workers
International Brotherhood of Boilermakers

International Brotherhood of Electrical Workers
International Brotherhood of Teamsters
International Safety Equipment Association

International Union of Bricklayers & Allied Craftworkers

International Union of Operating Engineers

IUPAT
Kiewit Power Constructors Co.

Laborers' International Union of North America

Lamar Advertising Company

Lendlease Corporation

Liberty Mutual

Joseph DiPlacido, MS CSP

Carren Spencer

Michael Morand

James Demmel

J. Nigel Ellis, Ph.D., P.E., CSP, CPE

John Whitty, P.E.

David Ahearn, P.E.

Edward Tuczak, P.E.

Jim Bates, CSP

Robert Hinderliter, ASP

Thomas Trauger, CSP, ARM, CRIS

Richard Hislop, P.E., CSP, ARM

Shawn Bradfield, CSP

Paul Dolenc

Jerry Rivera

Barbara Paine

Joshua Hoffman, Ph.D., P.E.

Susan Flanagan

Steven Rank

Wayne Creasap II

Tim Keane

Mark Garrett

Bridget Connors

David Mullen

LaMont Byrd, CIH

Cristine Fargo, CAE

Daniel Glucksman

David Wysocki

Jeremiah Sullivan

Christopher Trembl

Thomas McNamara

Kenneth Seal

Rusty Brown, CSP

Cody Williams, ASP

Walter Jones, MS, CIH

Travis Parsons

Chuck Wigger, CSP

Beth Phelps

Joel Pickering, CET, CHMM

Michael Lentz

Kevin Newlan, ASP, CHST

Alanna Klein

Lockton Companies

Marsh LLC

Maryland Occupational Safety & Health

Mechanical Contractors Association of America

Miller & Long Co., Inc.

National Association of Home Builders

National Electrical Contractors Association

National Institute for Occupational Safety & Health

National Railroad Construction & Maintenance Association

National Roofing Contractors Association

National Society of Professional Engineers

NESTI, Inc.

Operative Plasterers & Cement Masons International
Association
PATMI

Phoenix Fabricators & Erectors, Inc.
Professional Safety Consultants, Inc.

Safety Environmental Engineering, Inc.
Salute Safety, LLC
Scaffold & Access Industry Association

Sheet Metal & Air Conditioning Contractors National
Association

SMART Union

SPA, LLC

Stock Enterprises

The Association of Union Constructors
Turner Construction Company

U.S. Army Corps of Engineers

U.S. Department of Energy

Daniel Faught, ASP, CHST, CRIS

Tim Balmer, CPHT, COEE

Timothy Bergeron, CSP, CRIS

Mischelle Vanreusel

Matthew Helminiak

Peter Chaney, MS, CSP

Frank Trujillo

Alex Rodas, CHST

Robert Matuga

Christian Culligan

Michael Johnston

Wesley Wheeler

Thomas Bobick, Ph.D., P.E., CSP, CPE

G. Scott Earnest, Ph.D., P.E., CSP

Jeffrey Meddin, CSP, CHEP, CHCM

Greg Coleman, MSc, CSP

Harry Dietz

Thomas Shanahan

E. Ross Curtis, P.E., DFE, F.ASCE,
F.NSPE

Michael Hayslip, P.E., CSP

Jack Madeley, M.S., P.E., CSP

Deven Johnson

James Borchers

Frank Massey

Jim Lapping, MS, P.E., CSP

Kathy Stieler

Matthew Murphy

Dave Ponder, CSP, CHST

DeAnna Martin

Jackie Brown

Mike McCullion, CSP, ARM

Dan Hoover, MS, MA, CSP

Randall Krocka

Stanley Pulz, CSP, P.E.

Steve Stock, P.E., PLS

Alex Kopp

Cindy DePrater, ALCM

Abdon Friend, CSP

Todd "Marty" Werdebaugh, MS, CSP,
PMP

Craig Schumann

Maurice Haygood

United Association of Plumbers and Pipefitters

United Brotherhood of Carpenters & Joiners of America
United Union of Roofers, Waterproofers & Allied Workers

West Virginia University Extension Service

ZBD Constructors, Inc.

Cheryl Ambrose, CHST, OHST
Rita Neiderheiser, CHST, CIT
Royce Peters
Richard Tessier
Keith Vitkovich
Brandon Takacs, CSP, CSHM
Mark Fullen, Ed.D., CSP
Greg Thompson, CSP
Jeffrey Meddin, CSP, CHEP, CHCM

Independent Experts & Observers:

Alberici Constructors

Beta Max Inc.
DPR Construction

FallTech

National Association of Tower Erectors

Petroleum Equipment Institute

Transurban
U.S. Department of Labor - OSHA

Warfel Construction Company

Bo Cooper
Kathleen Dobson, CSP, CHST, STS.C
David Reinert, Jr.
James Alexander, CSP, CHST, CET
Paul Butler, CSP, CHST
John Anderson
Zachary Winters
John "JP" Jones
Kathryn Stieler
Scott Boorse
Melinda Whitney
Michael Weatherred, CSP
Eric Kampert, P.E., CSP, OHST
Scott Ketcham
Jeffrey Pierce
Kevin Stoltzfus

Contents

1. Scope, Purpose and Application	11
1.1 Scope	11
1.2 Purpose and Application	11
2. Definitions	11
3. Compliance	11
3.1 General.....	11

PREVIEW ONLY

**ASSP/A10 GUIDANCE DOCUMENT A10.0
A10 CONSTRUCTION AND DEMOLITION OPERATIONS
COMPENDIUM OF STANDARDS**

1. Scope, Purpose and Application

1.1 Scope

1.1.1 The *A10 Construction and Demolition Compendium of Standards* is a set of standards that covers a series of American National Standards addressing the protection of workers on construction and demolition sites. This guidance document identifies those specific standards and establishes their role in the Compendium and their interdependence.

1.2 Purpose and Application

1.2.1 This guidance document identifies those specific standards and establishes their role in the compendium and their interdependence.

2. Definitions

For information on definitions and nomenclature, please refer to the specific standard(s) or to the ASSP/A10 Document, *Definitions and Nomenclature Used for Construction and Demolition Operations*, for definitions of terms used in this guidance document and all referenced ANSI/ASSP A10 standards.

3. Compliance

3.1 General

A construction and demolition occupational safety and health program shall be in compliance with the *A10 Construction and Demolition Compendium of Standards*. The applicable requirements of the referenced ANSI/ASSP A10 standards are met based upon the remediation of hazards and exposures identified on a site resulting from an applicable risk assessment(s) as addressed in the specific ANSI/ASSP A10 standard.