

RESOURCES FOR STEEL DESIGN

2nd Edition

By the ASCE Structural Engineering Institute's **Committee on Design of Steel Building Structures** of the Committee on Metals and AISC's **Steel Solutions Center**

In June of 2000, *Modern Steel Construction* published the "Compendium of Steel References for the Design Office." That compendium was the work of ASCE's Committee on Design of Steel Building Structures as part of a continuing effort to bring useful information to the design community. It also represented a unique level of cooperation between ASCE and AISC to bring information about structural steel buildings to the profession in a timely and useful way.

Overwhelming reader response to that first edition and the inherent, dynamic nature of technical publications has prompted this revised edition. The references have been updated to reflect their current editions, and new topics and references have been added. We have also included tips for finding references and out-of-date publications.

The Committee on Design of Steel Building Structures, a subcommittee of the ASCE Structural Engineering Institute's Committee on Metals, was formed in 1981 with the express purpose of studying problems that are uniquely associated with the design of structural steel buildings. As part of the continuing effort to bring useful information to the design community, the committee recognized a need for a list of references covering a variety of subjects. Therefore, the original compendium of current, complete, and easily available references was assembled by collecting references that were used by the committee members and their associates. The subjects, which related to the design of steel structures, were selected to cover a fairly wide range of topics of interest to those practicing in a design office.

This updated list includes new topics that were identified as important and new references that will add to the knowledge base and will help the designer answer questions that arise in normal practice. The absence of a reference from this list does not imply an unfavorable comment on that reference, but rather a need to economize the listing. Comments and suggestions for this compendium are encouraged and can be addressed to AISC's Steel Solutions Center at solutions@aisc.org.

This edition of the compendium is respectfully dedicated to the memory of Jack Stecich, a senior consultant for 23 years with Wiss, Janney, Elstner Associates, Inc. in Chicago. Jack was an ASCE Fellow and a member of the Committee on Design of Steel Building Structures. He spearheaded the coordination of the first edition of this compendium and was continuing with this update until his untimely death. ★

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NOTES

Contact information, including web sites and telephone numbers where available, are listed in the table at right.

References noted as "OOP" are out-of-print publications. See "Seeking Solutions" on the next page for suggestions for finding out-of-print publications.

References that have no source indicated are commonly available through book stores.

*AIST, the Association for Iron and Steel Technology, was formed in 2004. It is comprised of the former Association of Iron and Steel Engineers (AISE) and the Iron & Steel Society (ISS). Titles published prior to 2004 by AISE or ISS can now be obtained through AIST.

SOURCE	NAME	WEB SITE	TELEPHONE
AASHTO	American Association of State Highway and Transportation Officials	www.aashto.org	800.231.3475
AGA	American Galvanizers Association	www.galvanizeit.org	800.468.7732
AISC	American Institute of Steel Construction	www.aisc.org/bookstore	800.644.2400
AIST*	Association for Iron and Steel Technology	www.aist.org	412.281.6323
AISI	American Iron and Steel Institute	www.steel.org	202.452.7100
Arceleor	Arceleor	www.arceleor.com	212.520.7500
ArchRec	Architectural Record	www.archrecord.com	877.876.8093
ASCE	American Society of Civil Engineers	www.asce.org	800.548.ASCE
ASME	American Society of Mechanical Engineers	www.asme.org	800.843.2763
ASTM	ASTM International	www.astm.org	610.832.9585
ATC	Applied Technology Council	www.atcouncil.com	650.595.1542
AWS	American Welding Society	www.aws.org	800.443.9353
CASE	Council of American Structural Engineers	www.acsc.org/about/case.cfm	202.347.7474
CEE UM	Department of Civil and Environmental Engineering, University of Michigan	www.engin.umich.edu/dept/cee	734.764.8495
CISC	Canadian Institute of Steel Construction	www.cisc.ca	416.491.4552
CMAA	Construction Management Association of America	www.cmaanet.org	703.356.2622
CrSrce	Corrosion Source	www.corrosionsource.com	281.444.2282
EERI	Earthquake Engineering Research Institute	www.eeri.org	510.451.0905
Elsevier	Elsevier	www.elsevier.nl	888.4ES.INFO
FEMA	Federal Emergency Management Agency	www.fema.gov	202.566.1600
FHWA	Federal Highway Administration	www.fhwa.dot.gov	202.366.0537
ICBO/ICC	International Code Council	www.iccsafe.org	888.ICC.SAFE
IISI	International Iron and Steel Institute	www.worldsteel.org	
ITSNA	Intertek Testing Services NA Inc.	www.etlsemko.com	800.967.5352
JB&C	Julius Blum & Company	www.juliusblum.com	800.526.6293
JFLF	James F. Lincoln Arc Welding Foundation	www.jflf.org	216.383.2211
MBMA	Metal Building Manufacturers Association	www.mbma.com	216.241.7333
NAAMM	National Association of Architectural Metal Manufacturers	www.naamm.org	312.332.0405
NACE	National Association of Corrosion Engineers	www.nace.org	800.797.6223
NAS	National Academy of Sciences	www.nationalacademies.org	800.624.6242
NCSEA	National Council of Structural Engineering Associations	www.structuremag.org	312.372.8035
NFPA	National Fire Protection Association	www.nfpa.org	617.770.3000
NIBS	National Institute of Building Sciences	www.nibs.org	202.289.7800
NIDI	Nickel Development Institute	www.nidi.org	416.591.7999
NSBA/AISC	National Steel Bridge Alliance	www.nsbaweb.org	800.644.2400
NUCOR	Nucor Corporation	www.vulcraft.com	205.845.2460
OPL	Omega Point Laboratories, Inc.	www.opl.com	210.635.8100
OSHA	Occupational Safety and Health Administration	www.osha.gov	202.693.1888
PRKTD	Parking Today	www.parkingtoday.com	310.390.5277
PTC	Protective Technology Center	www.ptc.psu.edu	814.863.2932
RCSC/AISC	Research Council on Structural Connections	www.bolttcouncil.org	800.644.2400
RMI	Rack Manufacturers Institute	www.mhia.org	704.676.1190
SDI	Steel Deck Institute	www.sdi.org	847.458.4647
SEAO	Structural Engineers Association of California	www.seao.org	916.447.1198
SFPE	Society of Fire Protection Engineers	www.sfpe.org	301.718.2910
SJI	Steel Joist Institute	www.steeljoist.org	843.626.1995
SPFA	Steel Plate Fabricators Association	www.spta.org	513.469.0500
SSEC	Structural Steel Education Council	www.steeltips.org	925.361.1313
SSINA	Specialty Steel Industry of North America	www.ssina.com	800.982.0355
SSPC	Society for Protective Coatings	www.sspc.org	877.281.7772
SSRC	Structural Stability Research Council	web.umd.edu/~ssrc	573.341.4471
SSTC	Structural Steel Technology Center	www.steelstructures.com	248.893.0132
STI	Steel Tube Institute of North America	www.steeltubeinstitute.org	440.974.6990
UL	Underwriters Laboratories Inc.	www.ul.com	877.854.3577
USACE	United States Army Corps of Engineers	www.hnd.usace.army.mil	301.394.0081