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 We have also included tips for finding references and out-of-date publications.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.

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

<table>
<thead>
<tr>
<th>TITLE</th>
<th>SOURCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anchor Rods and Embedments</td>
<td>ASCE</td>
</tr>
<tr>
<td>Load and Resistance Factor Design of Steel Structures</td>
<td>ASCE</td>
</tr>
<tr>
<td>Base Plates</td>
<td>ASCE</td>
</tr>
<tr>
<td>Beams and Girders</td>
<td>SSEC</td>
</tr>
<tr>
<td>Beam-Columns</td>
<td>ODP</td>
</tr>
<tr>
<td>Bearing Plates (see Base Plates)</td>
<td>ASCE</td>
</tr>
<tr>
<td>Blast Design and Analysis</td>
<td>ASCE</td>
</tr>
</tbody>
</table>

See notes on p. 44
### Blast Design and Analysis (continued)


Protective Technology Center. www.ptc.psu.edu

### Block Shear

Specification for Structural Steel Buildings (March 9, 2005): Section 4.4

ASCE


### Castellated Beams


ASCE


Bolts


ASCE


### Bracing


ASCE


ASCE


ASCE


ASCE


ASCE


ASCE


ASCE


ASCE


### Buckling (see Stability)


ASCE

### Casting


ASCE

### Connections in Steel Structures I: Behavior, Strength and Micromechanical Applications.


ASCE

### Connections in Steel Structures II: Behavior, Strength and Design


ASCE


### Design Fundamentals of Steel Structures


ASCE

### Cold-Formed Steel Structures


ASCE

Composite Construction


ASCE

Specification for Structural Steel Buildings (March 9, 2005): Chapter I.

ASCE


### Connections Design — General


ASCE


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### Cladding Supports


### Columns


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ASCE


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### Combined Loading (see Beam-Columns)


ASCE

### Coatings


ASCE


ASCE


ASCE


ASCE
### Residual Stress

### Rigid Frames

### Riveted Joints

### Safety

### Second Order Analysis

### Seismic Design
Engineering Journal, First Quarter 1997. "Ultimate Strength Considerations for Seismic Design of the Reduced Beam Section (Internal Plastic Hinge).” Iwankiw, N.

### Seismic Design (continued)

### Semi-Rigid (PR) Frames and Connections

### Serviceability

### Shape Availability (see Material Specification and Availability)

### Shear Lag

### Shear Walls (see Steel Plate Shear Walls)
Single Angle Members
Specification for Structural Steel Buildings (March 9, 2005)}
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.