

2000 IBC Checklist: Structural Provisions by ICBO

By: David Biggs

Many states have either adopted the International Building Code (IBC) or a modified version of it. The International Conference of Building Officials (ICBO) has released the Checklist as a resource tool for structural engineers and plan reviewers. It provides a list of the structural provisions from Chapters 16 through 23. While this is based upon the 2000 IBC, it is actually an update of the Checklist first released in 1996 for the 1994 UBC.

"...actually an abbreviated version of the code."

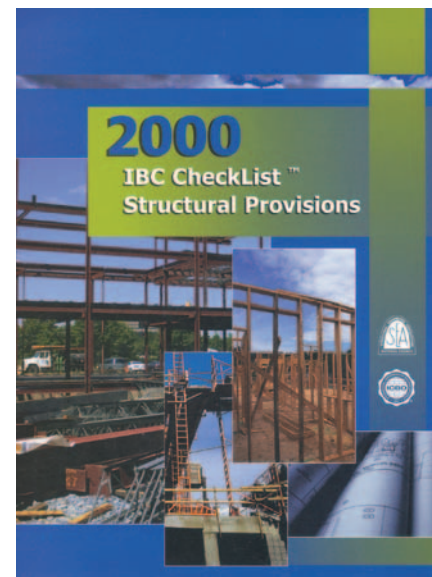
The publication is promoted as a checklist, but it is actually an abbreviated

version of the code. Design engineers, especially those without IBC experience, will find it helpful. Even more, it appears especially suited for use by plan reviewers. Code sections are referred to within the comments.

The Checklist is provided in hardcopy format and on CD. The CD option includes both pdf and rich-text format (rtf) versions. The rtf version is editable, so users can create checklists specifically for each of their projects.

There are some very useful features to the Checklist including:

- ✓ Chapter 3 tabulates design requirements for deflection of floor and roof systems.



- ✓ A helpful flow chart for following wind load provisions is in Chapter 5.

- ✓ Seismic loads requirements are given in Chapter 9, and the seismic design by seismic design category follows in Chapter 10.

- ✓ The seismic design of the non-structural items (architectural, mechanical and electrical) is given in Chapter 11.

- ✓ Chapter 15, Concrete, has several useful tables of cover, continuity of reinforcement, and development lengths for tension and compression.

Most engineers will recognize the loading information from ASCE 7, and the material information from industry standards for concrete, steel, masonry, and wood. ICBO was able to extract portions from various sources. It is convenient having the most useful information in this one document.

There is room for improvement. The chapters within the document do not follow the code. It is a lengthy document (202 pages), so think of it as a supplement to the code and use the CD to create your own checklists.

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