



Saudi Building Code
 Structural Committee Workshop
 Towards Rational and Applicable Code(s)
Steel Structures Code and Specifications

Code Documents

- ❖ Main:
IBC 2003: Chapter 22.
- ❖ References:
 1. Chapters 16 and 17 of IBC 2003.
 2. AISC-LRFD & -ASD.
 3. AISC 341 (seismic provisions).
 4. AISC-HSS.
 5. AWS D1.1.
 6. ACI 318 (composite construction).
 7. Steel Joist Institute Specifications.
 8. ASCE (3; 7; 8; 19).
 9. AISI-NASPEC (cold-formed sections).
 10. ASTM specifications.
 11. Jordanian Code for Steel Structures.
 12. Arabic Code.

Sub-divisions (14)

1	General provisions: material, loads, design basis, codes, standards, documents.
2	Design requirements (LRFD-methods).
3	Tension members.
4	Columns and compression members.
5	Beams and special forms of flexural members.
6	Braced and un-braced frames.
7	Plate girders, pre-engineered buildings (PEB), and cold-formed structures (CFS).
8	Members with combined forces and torsion.
9	Composite members & special structures.
10	Connections, joints and fasteners (welds and bolts).
11	Special loadings, seismic provisions and design considerations for fatigue.
12	Serviceability requirements & SHM.
13	Fabrication, erection, and quality control.
14	Appendices, reference & glossary.

Output and Major Findings

