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Specifications

COMPILATION



Advancing the knowledge of masonry



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INTRODUCTION

The Masonry Society (TMS), the International Code Council (ICC), and The Masonry Institute of America (MIA) are proud to make available this 2012 Masonry Codes and Specification Compilation which provides the most current and used codes and specifications that are needed by masonry designers, contractors, and inspectors on a daily basis. The intent of this Compilation is to put all these needed resources in one place for easy access and use.

TMS, ICC and MIA believe that the best way to extend and improve the use of masonry is through education and the dissemination of information. Accordingly, they have joined together to develop this new resource, which will make the jobs of everyone involved in masonry design and construction easier and more consistent.

This manual, published by The Masonry Society, the International Code Council and Masonry Institute of America, provides various code requirements for masonry from the International Building Code (IBC), the International Residential Code (IRC), the Building Code Requirements for Masonry Structures (TMS 402-11/ACI 530-11/ASCE 5-11), Specification for Masonry Structures (TMS 602-11/ACI 530.1-11/ASCE 6-11/TMS 602-11), referenced as the MSJC Code and MSJC Specification throughout this book, and many other standards and specifications. The MSJC Code and MSJC Specification are developed and maintained by the Masonry Standards Joint Committee (MSJC). The book is divided into several major sections as listed in the Table of Contents. The first major section contains a “merge” of the 2012 IBC Provisions from Chapters 21, 14, and 17 with integrated provisions from the 2011 MSJC Code and Specification. This section is intended to provide users with the combined information needed from these resources which contain the bulk of masonry design and construction requirements needed under the 2012 IBC. When developing this section, the publishers used the following as a guide for showing the MSJC provisions with the IBC text:

- Since the IBC governs, the IBC text is shown first, and applicable or referenced text from the MSJC is shown afterwards.
- The MSJC text is shown with the IBC text as follows:
 - For major topics (such as seismic design, allowable stress design (ASD), strength design (SD), empirical design, glass unit masonry, and veneer), MSJC requirements are shown under the IBC Sections that specifically relate to those topics (i.e. Section 2106 for Seismic Design, Section 2107 for ASD, Section 2108 for SD, Section 2109 for Empirical Design of Masonry, Section 2110 for Glass Unit Masonry, and Chapter 14 for Exterior Walls (Veneer)).
 - Most other MSJC provisions are generally shown where they are first referenced by the IBC.
 - The MSJC provisions are not repeated in every location where they are cited for brevity. Users can reference the MSJC portion of this book if needed to review provisions in such cases.
 - Where the IBC modifies or prohibits a section from the MSJC, the MSJC is shown for reference but is lined out to identify that this provision does not apply under the IBC.
 - Where MSJC definitions and notations are identical or nearly identical with those in the IBC, the MSJC definition is not repeated, but an asterisk (*) has been added to show that the definitions are consistent.
 - Where the MSJC and IBC have slightly different definitions and notations, both are shown, and the user is advised to use the IBC definitions and notations in context with applying the IBC provisions, and the MSJC definitions and notations in context with applying the MSJC provisions.
 - In several places (e.g. IBC Section 2105.2.2.1 and MSJC Specification Article 1.4 B.2), the IBC and MSJC have similar but slightly different requirements. In such cases, the IBC requirements are shown first, followed by the MSJC requirements so that users may see both. Again, the IBC provisions govern where the IBC code has been adopted.

The second major section of this book includes “clean” IBC requirements without merging the MSJC requirements into them. These are much easier to read when needing to know specifically what the IBC states relative to masonry.

The third section of the book likewise includes a “clean” copy of the MSJC Code and Specification so that users can quickly reference the MSJC provisions based on section or article numbers.

The remainder of the book includes additional Code and Specifications that are commonly needed by designers, contractors, inspectors, and others in the masonry industry. Some, but certainly not all, of these Codes and Specifications include masonry requirements from the IRC, Code Requirements for Determining Fire Resistance of Concrete and Masonry Construction Assemblies (ACI 216.1-07/TMS 0216-07), Standard Method for Determining Sound Transmission Ratings for Masonry Walls (TMS 0302-12), Direct Design Handbook for Masonry Structures (TMS 0403-10), MIA’s Standard Guide Specifications, and much more. The publishers hope that by combining these resources together, application of these provisions will be easier by everyone using masonry.

This “2012 Masonry Codes and Specifications Compilation” was prepared by the Masonry Institute of America, Torrance, California in cooperation with International Code Council and The Masonry Society. Every effort has been taken to ensure that all data and information furnished is as accurate as possible. The editors and publishers cannot assume or accept any responsibility or liability, including liability for negligence, for errors or oversights in this data and information, and the use of such information.

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