

# Masonry Structures: Behaviour and Design

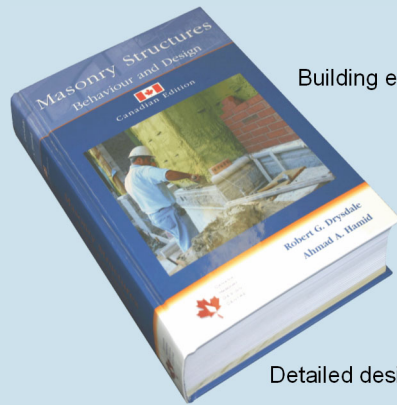
Canadian Edition

## TEXTBOOK ORDER FORM

This book was written for the Canadian Design and Construction markets to aid in the effective use of masonry as a modern form of construction. It is intended for use by senior undergraduate students, graduate students, and practicing designers. The majority of the content relates to structural applications, but there is substantial information related to planning, building materials, the building envelope, and construction that is of direct interest to architects and builders. Those familiar with basic reinforced concrete design may more readily understand the material related to structural design content.

This comprehensive coverage of masonry extends from ancient forms of construction to current usage. It provides a broad introduction to design involving planning, materials science, structural design with explanation of design load requirements, building envelope design, and construction related issues. This fundamental behaviour of masonry is covered in this textbook and is the basis upon which design in accordance with CSA S304.1-04 "Design of Masonry Structures" is introduced. A copy of the CSA S304.1-04 Standard is included at the back of the book. The authors' extensive and detailed involvement with writing of this and other referenced CSA masonry standards provides unique insight into how they are applied. Applications are further explained with the aid of detailed design examples.

To reflect the significant changes to the seismic provisions of the National Building Code of Canada, this textbook has extensive coverage on effective design for the increased seismic loading.



- Topics include:**
- Ancient masonry construction
  - Modern usages of masonry
  - Building design including loading requirements
  - Building envelope design for fire, acoustic, thermal and moisture considerations
  - Masonry materials
  - Behaviour of masonry assemblages
  - Reinforced beams and lintels
  - Flexural walls and arching
  - Walls under axial load and out-of-plane loading
  - Columns and pilasters
  - Shear walls
  - Infill walls and partitions
  - Masonry veneer and cavity walls
  - Construction considerations
  - Design methods for single-storey and multistorey buildings
  - Detailed design examples of a single-storey and a ten-storey load bearing building
- FRENCH S304.1-04 STANDARD INCLUDED SEPARATELY**

### ORDER INFORMATION

Item: "Masonry Structures: Behaviour and Design" (Canadian Edition)

<b>Price Per Book:</b>	<b>\$225.00*†</b>
Book GST(5%)	\$11.25
<b>Book Subtotal:</b>	<b>\$236.25</b>
S&H (Canada Post)	\$15.00**
S&H (Purulator)	\$40.00**
<b>S&amp;H Tax - GST/HST</b>	
AB, YT, NT, NU	5%
BC,	12%
SK	11%
ON, MB	13%
QC	14.975%
NS, NB, NL, PE	15%
<b>S&amp;H Subtotal:</b>	
<b>Total Due</b> (Book Subtotal + S&H Subtotal)	

### SHIPPING INFORMATION

Company \_\_\_\_\_

Contact: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

Prov: \_\_\_\_\_

Postal Code: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Email: \_\_\_\_\_

### PAYMENT INFORMATION

\* Outside Canada please call for order pricing

† All pricing in Canadian dollars

\*\* Shipping & Handling charges are for max.2 textbooks Please call for s&h charges for orders exceeding this limit

A cheque payable to **Canada Masonry Design Centre** is enclosed

Please charge \$\_\_\_\_\_ to VISA/MC/AMEX (Information provided below)

Visa/MC/AMEX#: \_\_\_\_\_

Expiry Date: \_\_\_\_\_

CVV: \_\_\_\_\_

Cardholder Name: \_\_\_\_\_

Cardholder Signature: \_\_\_\_\_



CANADA  
MASONRY  
DESIGN  
CENTRE

**Canada Masonry Design Centre**

**360 Superior Boulevard • Mississauga, ON • Canada L5T 2N7**

**Ph: 1-888-338-3336 • Fax: 905-564-5744 • www.canadamasonrydesigncentre.com**