



Canadian Concrete Masonry Producers' Association

Publications & Technical Reference Material



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PUBLICATION LIST

TITLE/DESCRIPTION

CMHC Best Practice Guide

Brick Veneer Concrete Masonry Unit Backing
Package includes detail drawings, sample specifications and checklist, based on consultation with the construction industry. (Binder includes CD-ROM)

CCMPA Masonry Specifications

Intended for designers/contract administrators who are responsible for the preparation of concrete masonry specifications in conformity with the requirements of the C.S.A. Standards. This program was developed under the Master Format guidelines, which includes the following sections:

- Section 4050 Masonry Procedures
- Section 4100 Mortar and Grout for Concrete Block
- Section 4150 Masonry Accessories
- Section 4160 Masonry Reinforcing and Connectors
- Section 4220 Concrete Unit Masonry

Includes installation/operation manual; please specify 3.5"

Concrete Block Metric Technical Manual

Physical Properties of Block;
Fire Performance Ratings; Thermal;
Sound; Technical Reference Data;
Specifications; Metric Coursing
Tables; Reference Sheet of Standard
Shapes and Sizes; Membership List

**Free download from our website:
www.ocba.ca**

Note: *The Metric Technical Manual is also available in CD format for the same cost as the binder.*

PUBLICATION LIST

TITLE/DESCRIPTION

Masonry Structures, Behaviour and Design

This book attempts to give a broad understanding of masonry to designers and students, ranging from ancient beginnings to modern usage, covering planning, materials science, building science, structural design, and construction. It mostly deals with matters of international validity and is not confined by adherence to any code. This book gives many design examples; the majority using ACI 530/530/ASCE 5/TMS 402 Building Code Requirements for Masonry Structures.

Design Guide for Loadbearing Single Storey Concrete Block Buildings (Based on Engineering Analysis)

This design guide is intended to help designers make use of loadbearing concrete block in the construction of single storey block buildings requiring high walls. It is intended to be used in conjunction with CAN3 S304-M84 "Masonry Design for Buildings" as referenced in the Ontario Building Code. In this design guide, designs based on engineering analysis are discussed and illustrated in examples.

National Research Council Concrete Block Sound Transmission Class (STC) Ratings

This report presents the results of a series of sound transmission loss measurements carried out under contract for the Ontario Concrete Block Association. The test series was augmented for research purposes by measuring sound transmission losses at different stages in the construction and disassembly of the walls. This report provides an analysis of the information obtained during the complete measurement series.

Masonry LSD 95 Computer Software Program

The eight modules available in this program are as follows:

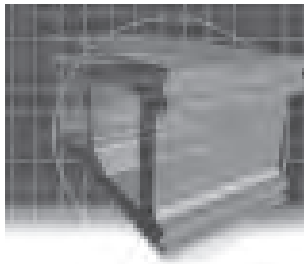
- 1) Geometric Physical Properties of Masonry Walls
- 2) Determination of Specified Compressive Strength
- 3) Design and Analysis of Masonry Beams/Lintels
- 4) Design and Analysis of Masonry Load Bearing Walls
- 5) Design and Analysis of Masonry Columns
- 6) Design of Masonry Pilasters
- 7) Design of Masonry Shear Walls
- 8) Design of Masonry Slender Walls
- 9) Windows 2000 Compatible

The program is highly interactive and all data entries are organized with windows and clickable "buttons" and the user can verify and make changes to any data at any time. Computations and code requirements are being performed concurrently while the user is informed of various stages of executions in the design process. When computation fails to meet code requirements, a warning will prompt the user to ensure that the necessary changes are made.

TECHNICAL REFERENCE MATERIAL FOR CONCRETE MASONRY CONSTRUCTION

In addition to the information provided in this manual, the following references are listed as further sources:

- 1.0 Masonry Design for Buildings (Limit States Design)
CAN/CSA-S304.¹
Published by CSA
- 2.0 Concrete Masonry Units Specifications
CAN/CSA-A165.¹
Published by CSA¹
- 3.0 Method of Test for Compressive Strength of Masonry Prisms
CSA-A369.1
Published by CSA¹
- 4.0 Connectors for Masonry
CSA-A370
Published by CSA¹
- 5.0 Masonry Construction for Buildings
CSA-A371
Published by CSA¹
- 6.0 Terms and Definitions for Use in CSA Masonry Standards
A443
Published by CSA¹
- 7.0 Concrete Masonry Handbook for Architects, Engineers and Builders
Published by PCA
- 8.0 Recommended Practices for Laying Concrete Block
Published by PCA²
- 9.0 Portland Cement Plaster (Stucco) Manual
Published by PCA²
- 10.0 Canadian Building Digests Series
Published by NRC
- 11.0 Tek Note Bulletins
Published by NCMA⁵
- 12.0 Engineered Masonry Design Manual
Published by Masonry Canada⁶
- 13.0 Masonry Computer Design Programme
Issued by Masonry Canada⁶
- 14.0 Tek Note Series
Published by NCMA⁵
- 15.0 Exterior Wall Construction in High rise Buildings
Published by CMHC⁶



Canadian Concrete Masonry Producers' Association Publications & Technical References

TECHNICAL REFERENCE MATERIAL FOR CONCRETE MASONRY CONSTRUCTION (notes)

NOTES: ¹ Denotes mailing address of above Publishers

1. CSA - Canadian Standards Association
178 Rexdale Boulevard
Rexdale, Ontario
M9W 1R3
(416)848-4364
www.csa.ca
2. PCA - Portland Cement Association
Order Processing
5420 Old Orchard Road
Skokie, Illinois 6007-9973
(708)966-9559
www.portcement.org
3. NRC - National Research Council, Canada
Institute for Research in Construction
Ottawa, Ontario
K1A 0R6
(416)973-4484
www.nrc.ca/irc
4. NCMA - National Concrete Masonry Association
P.O. Box 781, 2302 Horse Pen Road
Herndon, Virginia, U.S.A.
22070
(703)435-4900
www.ncma.org
5. CMHC - Canada Mortgage and Housing Corporation
Ontario Regional Office
2255 Sheppard Avenue East, Suite E 222
Willowdale, Ontario
M2J 4Y1
(416)495-2000
www.cmhc-schl.gc.ca