

TMC – Technical Masonry Certification

Today's efficient masonry walls are more weather-resistant, taller and slimmer than ever before. These high-tech assemblies combine decades of building science research with some of the most advanced materials available on the market today.

Bricklayers have always been an integral part of masonry construction. Craftsmen and their trowels have built structures that defy gravity and have withstood the test of time. If the skill of the mason was important in the past years, it has become even more so today. The masonry contractor needs to understand current practices and must be able to schedule the construction process around complex assembly requirements. The TMC certification program answers that need, and is a mandatory requirement for contractor membership in the MIBC.

Since 2002, the Masonry Institute of B.C. has offered an advanced course for masonry contractors. The course includes class time and an exam that must be successfully completed before the TMC designation is earned. Topics covered include engineering basics, building envelope science and masonry code requirements. The TMC program is being updated for the 2004 CSA standards that have come into effect with the 2006 B.C. Building Code. All of the MIBC member contractor members will renew their TMC in 2007.

Have your masonry work done by certified masonry contractors by including the following in your specifications:

“The masonry contractor shall be a member in good standing of the Masonry Institute of BC, and be qualified under the Technical Masonry Certification (TMC) program.”

A list of current TMC qualified MIBC commercial masonry contractor members is available on our website at:

www.masonrybc.org

TMC COURSE CONTENT:

MATERIALS

- Production, Standards, Properties;
 - Block - A165.1
 - Brick - A82.
 - Mortar - A179

CONSTRUCTION - A371

WALL TYPES & PROPERTIES

- Single-Wythe, Veneer
- Thermal, Sound, Fire

STRUCTURAL DESIGN

- Principles
- Masonry - S304.1
- Strength
- Grout
- Reinforcement
- Details

BUILDING SCIENCE

- Air/Vapour Movement
- Thermal
- Moisture

MASONRY RAINSCREEN VENEERS

- Rainscreen Description
- Codes, Standards and Specifications
- Cladding
- Cavity, Flashings, Ties
- Shelf Angles
- Movement Joints

CLEANING & SEALING

QUALITY ASSURANCE

BUILDING GREEN WITH MASONRY