

ONTARIO BUILDING CODE

9.17.3.4. Adjustable Steel Columns

- (1) Where the imposed load does not exceed 36 kN (8093 lb), adjustable steel columns shall conform to CAN/CGSB-7.2, "Adjustable Steel Columns".

OBJECTIVE

Adjustable steel columns are primarily used to support basement beams in housing construction. The failure of this vital structural element can be catastrophic.

Adjustable steel columns may be constructed of a single tube with an adjustable screw or a telescopic double tube with an adjustable screw and a support pin. It is important that each type of adjustable steel column be suitably labeled to indicate the following information.

- **Manufacturer name and address**
- **Standard no.: CAN/CGSB-7.2-94**
- **Maximum extension (mm)**
- **Maximum allowable load (kN)**
- **Grade and yield strength of steel**

9.17.3.4 (2) requires that other adjustable columns that do not meet the above requirements shall be designed in accordance with Part 4 and requires engineered documents.

The diagram below depicts a typical installation of a certified adjustable steel column.

