



# Adjustable Steel Columns

The Building Standards Department issues Builder Tips as part of our customer service program. They are designed to provide an improved understanding of the Building Code and to reduce the costs associated with correcting infractions. Please contact your area building inspector for further information or call the Building Standards Department at 905.475.4848 extension 2189

## 9.17.3.4. Design of Adjustable Steel Columns (See Note A-9.17.3.4.)

(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".

(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.

### 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



THE DIAGRAM BELOW DEPCITS A TYPICAL  
INSTALLATION OF A CERTIFIED STEEL COLUMN.

