



Inspection and Technical Services

Gas Equipment Bulletin: Semi-rigid Tubing on Roof tops

ITS 21-026

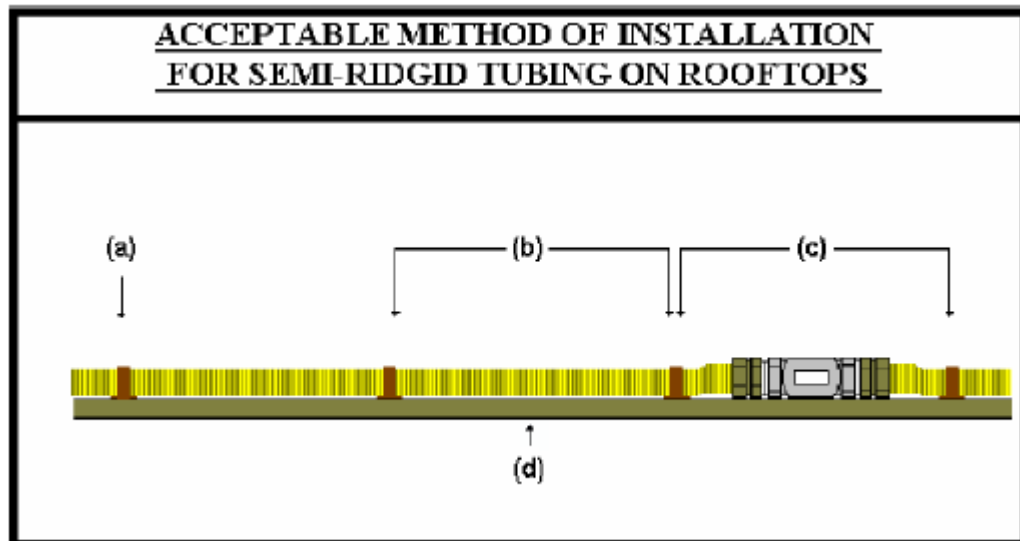
Rationale: To illustrate acceptable methods of protecting semi-rigid gas tubing installed outdoors on a roof, from mechanical damage and/or stresses resulting from expansion and contraction caused by weather changes.

Tubing laid on a roof top should be installed according to Clause 6.25.2 and Table 6.2 of the current CSA B149.1 and should be of a design acceptable to the inspecting authority.

Proper blocking methods should be used depending on roof design.

Tubing installed on a sloped roof should be run within 2 ft. of the peak. (Refer to Figure 6.25.2.)

Figure 6.25.2



- (a) Manufacturer's hanger's one (1) size larger than piping.
- (b) (Use "c" or "u" clamps, do not use ring hangers).
- (c) Hangers may be spaced as per Table 6.2 of the B149.1 code.
- (d) Additional support should be provided for every threaded fitting on flat roofs.
- (e) Tubing should lay flat on a 2" x 4" treated wood board.