

UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

May 17, 2011

Via U.S. Mail and Fax (617-375-7575)

Mr. Thomas A. Bartlett Chief Financial Officer American Tower Corporation 116 Huntington Avenue Boston, MA 02116

RE: American Tower Corporation

Form 10-K for the fiscal year ended December 31, 2010

Filed February 28, 2011 File No. 001-14195

Dear Mr. Bartlett:

We have completed our review of your filing. We remind you that our comments or changes to disclosure in response to our comments do not foreclose the Commission from taking any action with respect to the company or the filing and the company may not assert staff comments as a defense in any proceeding initiated by the Commission or any person under the federal securities laws of the United States. We urge all persons who are responsible for the accuracy and adequacy of the disclosure in the filing to be certain that the filing includes the information the Securities Exchange Act of 1934 and all applicable rules require.

Sincerely,

/s/ Robert Littlepage for

Larry Spirgel
Assistant Director