

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

Mailstop 3233

January 5, 2018

Via E-mail

Mr. Richard Lee Phegley, Jr. Chief Financial Officer Invesco Mortgage Capital Inc. 1555 Peachtree Street, N.E., Suite 1800 Atlanta, Georgia 30309

Re: Invesco Mortgage Capital Inc.

Form 10-K

Filed February 21, 2017 File No. 001-34385

Dear Mr. Phegley:

We have completed our review of your filing. We remind you that the company and its management are responsible for the accuracy and adequacy of their disclosures, notwithstanding any review, comments, action or absence of action by the staff.

Sincerely,

/s/ Robert F. Telewicz, Jr.

Robert F. Telewicz Jr. Branch Chief Office of Real Estate and Commodities