



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

DIVISION OF  
CORPORATION FINANCE

Mail Stop 3233

August 26, 2015

Via E-mail

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

**Re: Invesco Mortgage Capital Inc.  
Item 4.02 Form 8-K  
Filed on August 10, 2015  
File No. 001-34385**

Dear Mr. Phegley:

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/ Shannon Sobotka

Shannon Sobotka  
Staff Accountant  
Office of Real Estate and Commodities