



DIVISION OF  
CORPORATION FINANCE

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

June 9, 2017

Mr. Thomas Looby  
Chief Executive Officer  
Ekso Bionics Holdings, Inc.  
1414 Harbour Way South, Suite 1201  
Richmond, California 94804

Re: Ekso Bionics Holdings, Inc.  
Registration Statement on Form S-3  
Filed June 6, 2017  
File No. 333-218517

Dear Mr. Looby:

This is to advise you that we have not reviewed and will not review your registration statement.

Please refer to Rules 460 and 461 regarding requests for acceleration. 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.

Please contact Kate McHale at (202) 551-3464 with any questions.

Sincerely,

/s/ Pamela A. Long

Pamela A. Long  
Assistant Director  
Office of Manufacturing and  
Construction