Analysis of hill slope buildings for variation in twist By changing plan Aspect ratio

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ABSTRACT

During earthquake, buildings on hill slopes are highly vulnerable due to its
unsymmetrical and irregular configuration such as variation in height of columns
which leads to torsional behavior. Which gives us necessity for analyzing these
buildings for its base conditions and its behavior of torsion by changing its
configuration.

This paper will show variation of twists of floors for building on hill slopes with
change in length (Aspect ratio will change) in ridge direction.

KEY-WORD Twists, Aspect ratio