

Limit State Design Criteria for Minimum Flexural Steel in Concrete Masonry Beams

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Abstract:

A design recommendation is made for the minimum flexural steel in beams to minimize the probability of occurrence of the limit state where the cracked section moment capacity of the beam is equal to the moment required to cause a cracked section. This paper develops a structural engineering reliability methodology for the selection of the minimum amount of steel and documents the basis for this design recommendation.

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