



Proceedings Volume 26

By Engineers Society of Western

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1911 Excerpt: .lateral thrust of 565 lb. per sq. ft. with a tension in the steel of 10 000 lb. It will be seen from an inspection of this diagram that under the load Q1 the steel at the top of the wall will be stressed to about 18 000 lb. while at overturning the steel would be stressed to 27 000 lb. per sq. in. The unit stresses used are low for reinforced concrete work, but in fixing these stresses the character of the construction was taken into account. In connection with the detailing of this wall it will be noticed at the ribs the rods are placed through holes punched in structural steel angles. This assures the alignment and securing of the rods and at the same time affords a secure manner of tying the front wall to the ribs. As shown on the plan a...



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