

Institute of Standards and Technology, Gaithersburg, MD, pp. 11-12.

Klingner, R.; Mendonca, J.; and Malik, J., 1982, "Effect of Reinforcing Details on the Shear Resistance of Anchor Bolts under Reversed Cyclic Loading," *ACI Journal Proceedings*, V. 79, No. 1, Jan.-Feb., pp. 3-12. doi: [10.14359/10455](https://doi.org/10.14359/10455)

Kosmatka, S. H., and Wilson, M. L., 2016, *Design and Control of Concrete Mixtures*, EB001, 16th edition, Portland Cement Association, Skokie, IL, 632 pp.

Kramrisch, F., and Rogers, P., 1961, "Simplified Design of Combined Footings," *Journal of the Soil Mechanics and Foundations Division*, V. 87, Oct., pp. 19-44.

Kriz, L. B., and Rath, C. H., 1965, "Connections in Precast Concrete Structures—Strength of Corbels," *PCI Journal*, V. 10, No. 1, Feb., pp. 47-61. doi: [10.15554/pci.02011965.16.61](https://doi.org/10.15554/pci.02011965.16.61)

Kuchma, D.; Wei, S.; Sanders, D.; Belarbi, A.; and Novak, L., 2019, "The Development of the One-Way Shear Design Provisions of ACI 318-19," *ACI Structural Journal*, V. 116 No. 4, July, doi: [10.14359/51716739](https://doi.org/10.14359/51716739)

Kuhn, D., and Shaikh, F., 1996, "Slip-Pullout Strength of Hooked Anchors," *Research Report*, University of Wisconsin-Milwaukee, submitted to the National Codes and Standards Council, 55 pp. doi: [10.14359/51685520](https://doi.org/10.14359/51685520)

Kurose, Y.; Nagami, K.; and Saito, Y., 1991, "Beam-Column Joints in Precast Concrete Construction in Japan," *Design of Beam-Column Joints for Seismic Resistance*, SP-123, J. O. Jirsa, ed., American Concrete Institute, Farmington Hills, MI, pp. 493-514. doi: [10.14359/2907](https://doi.org/10.14359/2907)

Kwon, K., and Ghannoum, W. M., 2016, "Assessment of International Standard Provisions on Stiffness of Reinforced Concrete Moment Frame and Shear Wall Buildings," *Engineering Structures*, V. 128, pp. 149-160. doi: [10.1016/j.engstruct.2016.09.025](https://doi.org/10.1016/j.engstruct.2016.09.025)

LaGue, D. J., 1971, "Load Distribution Tests on Precast Prestressed Hollow-Core Slab Construction," *PCI Journal*, V. 16, No. 6, Nov.-Dec., pp. 10-18. doi: [10.15554/pci.11011971.10.18](https://doi.org/10.15554/pci.11011971.10.18)

Lai, S. M. A., and MacGregor, J. G., 1983, "Geometric Nonlinearities in Unbraced Multistory Frames," *Journal of Structural Engineering*, V. 109, No. 11, Nov., pp. 2528-2545. doi: [10.1061/\(ASCE\)0733-9445\(1983\)109:11\(2528\)](https://doi.org/10.1061/(ASCE)0733-9445(1983)109:11(2528))

LATBSDC, 2017, "An Alternative Procedure For Seismic Analysis and Design of Tall Buildings Located in the Los Angeles Region," Los Angeles Tall Buildings Structural Design Council, 72 pp.

Laughery, L., and Pujol, S., 2015, "Compressive Strength of Unreinforced Struts," *ACI Structural Journal*, V. 112, No. 5, pp. 617-624. doi: [10.14359/51687711](https://doi.org/10.14359/51687711)

Lee, N. H.; Kim, K. S.; Bang, C. J.; and Park, K. R., 2007, "Tensile-Headed Anchors with Large Diameter and Deep Embedment in Concrete," *ACI Structural Journal*, V. 104, No. 4, July-Aug., pp. 479-486. doi: [10.14359/18778](https://doi.org/10.14359/18778)

Lee, N. H.; Park, K. R.; and Suh, Y. P., 2010, "Shear Behavior of Headed Anchors with Large Diameters and Deep Embedments," *ACI Structural Journal*, V. 107, No. 2, Mar.-Apr., pp. 146-156. doi: [10.14359/51663530](https://doi.org/10.14359/51663530)

Lenz, K. A., 1992, "Concrete Materials Investigation for Gardiner Dam: Final Report," Canada Department of Agriculture, Prairie Farm Rehabilitation Administration Development Service, Geotechnical Division, Saskatoon, SK, Canada, Mar., 56 pp.

Leon, R. T., 1989, "Interior Joints with Variable Anchorage Lengths," *Journal of Structural Engineering*, V. 115, No. 9, Sept., pp. 2261-2275. doi: [10.1061/\(ASCE\)0733-9445\(1989\)115:9\(2261\)](https://doi.org/10.1061/(ASCE)0733-9445(1989)115:9(2261))

Leonhardt, F., and Walther, R., 1964, "The Stuttgart Shear Tests," *C&CA Translation*, No. 111, Cement and Concrete Association, London, UK, 134 pp. doi: [10.14359/19344](https://doi.org/10.14359/19344)

Lepage, A., 1998, "Nonlinear Drift of Multistory RC Structures during Earthquakes," Sixth National Conference on Earthquake Engineering, Seattle, WA.

Leslie, K. E.; Rajagopalan, K. S.; and Everard, N. J., 1976, "Flexural Behavior of High-Strength Concrete Beams," *ACI Journal Proceedings*, V. 73, No. 9, Sept., pp. 517-521. doi: [10.14359/11093](https://doi.org/10.14359/11093)

Li, S., and Roy, D. M., 1986, "Investigation of Relations between Porosity, Pore Structure and CL Diffusion of Fly Ash and Blended Cement Pastes," *Cement and Concrete Research*, V. 16, No. 5, Sept., pp. 749-759. doi: [10.1016/0008-8846\(86\)90049-9](https://doi.org/10.1016/0008-8846(86)90049-9)

Lin, C. M.; Restrepo, J. I.; and Park, R., 2000, "Seismic Behaviour and Design of Reinforced Concrete Interior Beam Column Joints," *Research Report 2000-1*, Department of Civil Engineering, University of Canterbury, Christchurch, New Zealand, 471 pp. <http://hdl.handle.net/10092/15092>.

Lin, T. Y., and Thornton, K., 1972, "Secondary Moment and Moment Redistribution in Continuous Prestressed Beams," *PCI Journal*, V. 17, No. 1, Jan.-Feb., pp. 8-20 and comments by A. H. Mattock and author's closure, *PCI Journal*, V. 17, No. 4, July-Aug., pp. 86-88. doi: [10.14359/19321](https://doi.org/10.14359/19321)

Lloyd, J. P., 1971, "Splice Requirements for One-Way Slabs Reinforced with Smooth Welded Wire Fabric," *Publication No. R(S)4*, Civil Engineering, Oklahoma State University, Stillwater, OK, June, 37 pp. doi: [10.14359/19630](https://doi.org/10.14359/19630)

Lloyd, J. P., and Kesler, C. E., 1969, "Behavior of One-Way Slabs Reinforced with Deformed Wire and Deformed Wire Fabric," *T&AM Report No. 323*, University of Illinois, Urbana, IL, 129 pp. doi: [10.14359/16663](https://doi.org/10.14359/16663)

Logan, D. R., 1997, "Acceptance Criteria for Bond Quality of Strand for Pretensioned Prestressed Concrete Applications," *PCI Journal*, V. 42, No. 2, Mar.-Apr., pp. 52-90. doi: [10.15554/pci.03011997.52.90](https://doi.org/10.15554/pci.03011997.52.90)

Lotze, D.; Klingner, R. E.; and Graves III, H. L., 2001, "Static Behavior of Anchors under Combinations of Tension and Shear Loading," *ACI Structural Journal*, V. 98, No. 4, July-Aug., pp. 525-536. doi: [10.14359/10295](https://doi.org/10.14359/10295)

Lu, Y.; Henry, R. S.; Gultom, R.; and Ma, Q. T., 2017, "Cyclic Testing of Reinforced Concrete Walls with Distributed Minimum Vertical Reinforcement," *Journal of Structural Engineering*, V. 143, No. 5, p. 04016225 doi: [10.1061/\(ASCE\)ST.1943-541X.0001723](https://doi.org/10.1061/(ASCE)ST.1943-541X.0001723)

Lubell, A. S.; Bentz, E. C.; and Collins, M. P., 2009, "Shear Reinforcement Spacing in Wide Members," *ACI*