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BS1 - BS3	0.5	10.1%
BM1 – BM3	1.0	0.5%
BL1 – BL3	1.5	0.7%
BX1 - BX3	2.0	25.2%
S1 – S2	2.5	41.5%
omparison 200mm x 2 ncreasing influence for		











































Factors Contributed to the Evolution of Two-way

- Replacement of the working-stress with the strength-design method
- Increase in the concrete and steel strengths
- Development in formwork
- Use of post-tensioning for cast-in-place systems
- Implementation of more efficient construction techniques

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WEB SESSIONS
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<u>No exact theoretical solution of the</u> problem of the stresses in a <u>series of</u> <u>adjacent unequal rectangular panels</u> <u>has yet been brought to the attention</u> <u>of the committee</u>. The approximate solution embodied in this Section is believed to be conservative, but the best available.

ACI WEB SESSIONS Building Regulations for Reinforced Concrete (ACI 316-40) Building Code Requirements for Reinforced Concrete Muilding Code Requirements for Reinforced Concrete (ACI 318-36)* Design of Flat Slabs by Moment Coefficients - Design of Flat Slabs by Moment Coefficients - Design of Flat Slabs as Continuous Frames - More Reinforcement Details





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- Direct Design Method
- Equivalent Frame Method







13.5.1 — A slab system shall be designed by <u>any</u> <u>procedure satisfying</u> <u>conditions of equilibrium</u> <u>and geometric</u> <u>compatibility</u>, if shown that the design strength at every section is at least equal to the required strength set forth in 9.2 and 9.3, and that all serviceability conditions, including limits on deflections, are met.







