



SUPPLEMENTAL PLAN CHECK CORRECTION SHEET FOR TWO-WAY CONCRETE SLAB (2023 LABC)

Plan Review Date: _____

Plan Check #: _____ Permit Application Number: _____

Job Address: _____

Plan Check Engineer: _____ Phone: _____ Email: _____

Your feedback is important, please visit our website to complete a Customer Survey at www.ladbs.org/LADBSWeb/customer-survey.jsf.

This is a supplemental correction sheet. Please see the master correction sheet for instructions and additional information.

If you have any questions or need clarification on any plan check matters, please contact your plan check engineer and/or his or her supervisor.

Italicized numbers refer to Code Sections of ACI 318-19, as referenced by 2023 LABC Section 1901.2.

Review the following checked information bulletins and forms. Revise plans to show compliance (Copies can be obtained at www.ladbs.org).

- Clearance Summary Worksheet (attached)
- P/BC 2023-031 Concrete Proportioning and Admixture Qualification

PART I: PLAN REQUIREMENTS

A. PLAN DETAILS

1. Drop panel where used to reduce the minimum required slab thickness or quantity of negative moment reinforcement shall satisfy (a) and (b):
 - a. The drop panel shall project below the slab at least one-fourth of the adjacent slab thickness
 - b. The drop panel shall extend in each direction from the centerline of support a distance not less than one-sixth the span length measured from center-to-center of supports in that direction. *8.2.4*
2. Provide minimum reinforcement ratio which is the greater of 0.0014 or 0.0018(Ag/fy) in each direction for grade 60 rebar or greater. *7.6.1.1, 8.6.1.1 and 24.4.3.2*
3. Maximum rebar spacing at the critical sections shall be the lesser of 2 x slab thickness and 18 in. *7.7.2.3, 8.7.2.2 and 11.7.2.1*
4. Provide minimum extensions for reinforcement in slabs without beams (flat plates and flat slabs) per Fig. 8.7.4.1.3. *8.7.4.1.3*
5. Provide special top and bottom reinforcement at exterior corners in slabs with beams between supports with a value of α_f greater than 1.0. *8.7.3.1*
6. At least two of the column strip bottom bars in each direction shall pass within the region bounded by the longitudinal reinforcement of the column and shall be anchored at exterior supports. *8.7.4.2.2, Fig. 8.7.4.1.3*
7. At two intersecting column strips, not more than one eighth the width of column strip in either span shall be interrupted by openings. A quantity of reinforcement at least equal to that interrupted by an opening shall be added on the sides of the opening. *8.5.4.2(b)*
8. Show all proposed locations of openings in slab, beams, and

- column caps (ducts, piping, etc...). Penetrations shall comply with 714.4. Detailing of the reinforcement around openings and fire stop system shall be provided. *8.5.4.1, 714.4.1 of LABC*
9. At the intersection of one column strip and one middle strip, not more than one-quarter of the reinforcement in either strip shall be interrupted by openings. A quantity of reinforcement at least equal to that interrupted by an opening shall be added on the sides of the opening. *8.5.4.2(c)*
 10. The critical slab sections should be modified per Section 22.6.4.3 for openings located less than 10 x slab thickness from a concentrated load or openings in flat slabs within the column strip. *22.6.4.3*
 11. If the factored shear stress $v_{uv} > \phi 2\lambda_s \lambda \sqrt{f'_c}$ on the slab critical section for two-way shear surrounding a column, concentrated load, or reaction area, the minimum shear reinforcing area provided over the width b_{slab} , shall satisfy Eq. (8.6.1.2)
 12. Provide extension of top reinforcement beyond 0.3 l_n to 5d from column is required to intercept potential punching shear crack. *8.6.1.2*
 13. Provide extension of top reinforcement beyond 0.3 l_n to 5d from column is required to intercept potential punching shear crack. *Fig. R8.7.4.1.3*

B. NOTES ON PLANS

1. Slab forms should not be removed unless a specified compressive strength is reached and an approval is obtained from the engineer of record.

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