



SUPPLEMENTAL PLAN CHECK CORRECTION SHEET FOR TWO-WAY CONCRETE SLAB (2020 LABC)

Plan Check #: _____ Permit Application Number: _____

Job Address: _____

Plan Check Engineer: _____ Phone: _____

E-mail: firstname.lastname@lacity.org

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 318-14, as referenced by 2020 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 2020-031 Concrete Proportioning and Admixture Qualification

PART I: PLAN REQUIREMENTS

A. PLAN DETAILS

1. Drop panel shall extend in centerline of supports each direction not less than one sixth the span length in that direction. 8.2.4
2. Projection of drop panel below the slab shall be at least one-quarter of the slab thickness beyond the drop. 8.2.4
3. Provide minimum reinforcement ratio of the maximum [0.0014, 0.0018(Ag/fy)] in each direction for grade 60 rebar or greater. 24.4.3.2, 7.6.1.1, and 8.6.1.1
4. Maximum rebar spacing at the critical sections is 2 x slab thickness, but not more than 18 in. 7.7.2.3, 11.7.2.1 and 8.7.2.2
5. Provide minimum extensions for reinforcement in slabs without beams (flat plates and flat slabs) per Fig. 8.7.4.1.3a 8.7.4.1.3
6. Provide special top and bottom reinforcement at exterior corners in slabs with beams between supports with a value of μ greater than 1.0. 8.7.3.1
7. 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. 8.7.4.1.3, Fig. 8.7.4.1.3a
8. Not more than one eighth the width of column strip shall be interrupted by openings Equivalent amount of reinforcement shall be added. 8.5.4.2(b)
9. 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. 714.4.1, 8.5.4.1
10. In the area common to one column strip and one middle strip, not more than one-quarter of the reinforcement in either strip shall be interrupted by openings. Equivalent amount of reinforcement shall be added. 8.54.2(c)

11. The critical slab sections should be modified per Section 22.6.4.3 & 22.6.9.9 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
12. Under Direct Design Method:
 - a. Slabs should not be designed as two-way slabs because the ratio of long to short span is greater than two. 8.10.2.3
 - b. There must be three or more continuous spans in each direction; 8.10.2.1
 - c. Successive span lengths center to center supports in each direction must not differ by more than 1/3 of the longer span; 8.10.2.2
 - d. Columns must not be offset more than 10% of the span (in direction of offset) from either axis between center lines of successive columns. 8.10.2.4
 - e. Loads must be uniformly distributed and the unfactored live load shall not exceed two times the unfactored dead load. 8.10.2.5, 8.10.2.6
 - f. For two-way beam-supported slabs, relative stiffness of beams in two perpendicular directions must satisfy Equations 8.10.2.7a and 8.10.2.7b. 8.10.2.7
 - g. Redistribution of negative moments is not permitted. 8.10.4.3

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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