CODE

COMMENTARY

3/4*d* from the cutoff point. Excess stirrup area shall be not less than $0.41b_w s/f_{yt}$. Spacing ***s*** shall not exceed $d/(8\beta_b)$.

7.7.3.6 Adequate anchorage shall be provided for tension reinforcement where reinforcement stress is not directly proportional to moment, such as in sloped, stepped, or tapered slabs, or where tension reinforcement is not parallel to the compression face.

7.7.3.7 In slabs with spans not exceeding 3 m, welded wire reinforcement, with wire size not exceeding MW30 or MD30, shall be permitted to be curved from a point near the top of slab over the support to a point near the bottom of slab at midspan, provided such reinforcement is continuous over, or developed at, the support.

7.7.3.8 *Termination of reinforcement*

R7.7.3.8 *Termination of reinforcement*

7.7.3.8.1 At simple supports, at least one-third of the maximum positive moment reinforcement shall extend along the slab bottom into the support, except for precast slabs where such reinforcement shall extend at least to the center of the bearing length.

Requirements for termination of reinforcement in one-way slabs are similar to those for beams. Refer to R9.7.3.8 for additional information.

7.7.3.8.2 At other supports, at least one-fourth of the maximum positive moment reinforcement shall extend along the slab bottom into the support at least 150 mm.

7.7.3.8.3 At simple supports and points of inflection, d_b for positive moment tension reinforcement shall be limited such that ℓ_d for that reinforcement satisfies (a) or (b). If reinforcement terminates beyond the centerline of supports by a standard hook or a mechanical anchorage at least equivalent to a standard hook, (a) or (b) need not be satisfied.

(a) $\ell_d \le (1.3M_n/V_u + \ell_a)$ if end of reinforcement is confined by a compressive reaction
(b) $\ell_d \le (M_n/V_u + \ell_a)$ if end of reinforcement is not confined by a compressive reaction

M_n is calculated assuming all reinforcement at the section is stressed to f_y and V_u is calculated at the section. At a support, ℓ_a is the embedment length beyond the center of the support. At a point of inflection, ℓ_a is the embedment length beyond the point of inflection, limited to the greater of ***d*** and $12d_b$.

7.7.3.8.4 At least one-third of the negative moment reinforcement at a support shall have an embedment length beyond the point of inflection at least the greatest of ***d***, $12d_b$, and $\ell_n/16$.

7.7.4 *Flexural reinforcement in prestressed slabs*

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