CODE

entire member cross section or for the region of the member containing struts and shall satisfy (a) through (d).

(a) Detailed in accordance with 18.7.5.2(a) through (e)
(b) A_{sh}/sb_c determined in accordance with Table 23.11.3.3.
(c) Spacing measured along the longitudinal axis of the member not exceeding the values specified in Table 23.11.3.2(b).
(d) Spacing of crossties or legs of hoops both vertically and horizontally in the plane of the member cross section shall not exceed 200 mm. Each crosstie and each hoop leg shall engage a longitudinal bar of equal or greater diameter.

23.11.4 *Strength of ties*

23.11.4.1 For tie reinforcement, development length shall be 1.25 times the length determined in accordance with 25.4.

23.11.5 *Strength of nodes*

23.11.5.1 The nominal compressive strength of a nodal zone calculated in accordance with 23.9 shall be multiplied by 0.8.

COMMENTARY

23.11.4 *Strength of ties*

R23.11.4.1 Because the actual yield strength of tie reinforcement may exceed the specified yield strength and strain hardening of the reinforcement is likely to occur, development lengths for tie reinforcement are determined considering a stress of $\mathbf{1.25}f_y$.

23.11.5 *Strength of nodes*

R23.11.5.1 A reduction of the nominal compressive strength at nodes is provided to account for tie yielding and the effect of reversed cyclic loading (Mansour and Hsu 2005; To et al. 2009; Ruggiero et al. 2016).