CODE

10.7.6.3 *Lateral support of longitudinal bars using spirals*

10.7.6.3.1 In any story, the bottom of the spiral shall be located at the top of footing or slab.

10.7.6.3.2 In any story, the top of the spiral shall be located in accordance with Table 10.7.6.3.2.

Table 10.7.6.3.2 —Spiral extension requirements at top of column

Framing at column end	Extension requirements
Beams or brackets frame into all sides of the column	Extend to the level of the lowest horizontal reinforcement in members supported above.
Beams or brackets do not frame into all sides of the column	Extend to the level of the lowest horizontal reinforcement in members supported above. Additional column ties shall extend above termination of spiral to bottom of slab, drop panel, or shear cap.
Columns with capitals	Extend to the level at which the diameter or width of capital is twice that of the column.

10.7.6.4 *Lateral support of offset bent longitudinal bars*

10.7.6.4.1 Where longitudinal bars are offset, horizontal support shall be provided by ties, hoops, spirals, or parts of the floor construction and shall be designed to resist 1.5 times the horizontal component of the calculated force in the inclined portion of the offset bar.

10.7.6.4.2 If transverse reinforcement is provided to resist forces that result from offset bends, ties, hoops, or spirals shall be placed not more than 150 mm from points of bend.

10.7.6.5 *Shear*

10.7.6.5.1 If required, shear reinforcement shall be provided using ties, hoops, or spirals.

10.7.6.5.2 Maximum spacing of shear reinforcement shall be in accordance with Table 10.7.6.5.2.

Table 10.7.6.5.2—Maximum spacing of shear reinforcement

V_s	Maximum s,mm		
		Nonprestressed column	Prestressed column
$\le 0.33\sqrt{f'_c}b_w d$	Lesser of:	$d/2$	$3h/4$
		600	
$> 0.33\sqrt{f'_c}b_w d$	Lesser of:	$d/4$	$3h/8$
		300	

COMMENTARY

R10.7.6.3 *Lateral support of longitudinal bars using spirals*

R10.7.6.3.2 Refer to R10.7.6.2.2.