



DSA Structural Amendments under review are highlighted in GRAY

**Template 19-41**

**2001 CBC - Chapter 19A  
CONCRETE**

**Section - 1918A - PRESTRESSED CONCRETE**

**Subsection(s) - 1918A.20**

1 *1918A.20 Lift Slab Shear. The shear around the periphery of the*  
2 *collar computed on the basis of a punching shear shall not exceed*  
3 *0.04f<sub>c</sub> (working stress design). Two No. 5 bars spaced about 6 in-*  
4 *ches (152 mm) apart shall be placed in the top of the slab and*  
5 *draped down to the bottom on each side of the column in two direc-*  
6 *tions, extending a minimum of 2 feet (610 mm) beyond the edge of*  
7 *the collar. If the punching shear exceeds the above value, either*  
8 *the size of the collar shall be increased or bent bar reinforcement*  
9 *provided to carry the excess shear.*

10  
11 *The punching shear  $v_p$  shall be computed as follows:*

$$v_p = (V)/(bt), \text{ in psi}$$

12  
13  
14  
15 *Where  $V$  is the total shear transferred through the critical sec-*  
16 *tion at the periphery of the supporting collar, in pounds;  $b$  is the*  
17 *perimeter, in inches, of the outer edge of the supporting collar;*  
18 *and  $t$  is the net thickness or depth, in inches, of the section of con-*  
19 *crete slab at the outer edge of the collar.*