



DSA Structural Amendments under review are highlighted in GRAY

Template 23-19

2001 CBC - Chapter 23A  
WOOD

Section - 2316A - DESIGN SPECIFICATIONS

Subsection(s) - 2316A.2 / 14. - 19.

1 **14. Sec. 3.3.2. Add a last paragraph as follows:**

2 A beam of circular cross section may be assumed to have the  
3 same strength as a square beam having the same cross-sectional  
4 area. If a circular beam is tapered, it shall be considered a beam of  
5 variable cross section.

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7 **15. Sec. 3.4.4. Add a section as follows:**

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9 **3.4.4.5** When girders, beams or joists are notched at points of sup-  
10 port on the compression side, they shall meet design requirements  
11 for the net section in bending and in shear. The actual shear stress  
12 at such point shall be calculated as follows:

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$$15 \quad f_v = \frac{3V}{2b \left[ d - \left( \frac{d-d'}{d'} \right) e \right]}$$

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18 **WHERE:**

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20  $d$  = total depth of beam.

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22  $d'$  = actual depth of beam at notch.

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24  $e$  = distance notch extends inside the inner edge of support.

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26  $V$  = shear force.

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28 Where  $e$  exceeds  $d'$ , the actual shear stress for the notch on the  
29 compression side shall be calculated as follows:

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$$f_v = \frac{3V}{2bd'}$$

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**16. Sec. 3.7.1.4. Delete and substitute as follows:**

The slenderness ratio for solid columns,  $le/d$  shall not exceed 50.

**17. Sec. 3.8.2. Delete and substitute as follows:**

Where designs that induce tension stresses perpendicular to grain cannot be avoided, mechanical reinforcement sufficient to resist such forces shall be provided.

**18. Sec. 4.2.5.5. Delete.**

**19. Sec. 4.3.4. Delete and substitute as follows:**

*The provisions of Item (b) above apply.*