ARCH 324 - Structures 2, Winter 2009

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<http://hdl.handle.net/2027.42/64938>
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(1) MAX BENDING STRESS @ MAX BENDING MOMENT SECTION:

\[ f = \frac{M_{\text{max}}}{S} = \frac{288 \text{ k-ft} \times 12 \text{ in/ft}}{154 \text{ in}^3} = 22.44 \text{ ksi} \]

(b) MAX BENDING STRESS @ SECTION UNDER THE 16 k LOADS:

\[ f = \frac{213 \times 12}{154} = 16.60 \text{ ksi} \]