ARCH 324 - Structures 2, Winter 2009

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\( \Theta_R = 0 = -144 + 320 + 576 - M_8 \)

\( M_8 = 752, \quad M = 94 \text{ k-ft} \)

\( R_R = -1.5 + 6 + 12 + 3.917 = 26.42 \text{ k} \)

\( R_L = (1.5 + 6) + 3 + 12 - 3.917 = 18.58 \text{ k} \)

\( R_{\text{TOTAL}} = 39.00 \text{ k} \)

Applied Load

\(-6 - 9 - 24 = -39 \) \( \checkmark \) Balanced