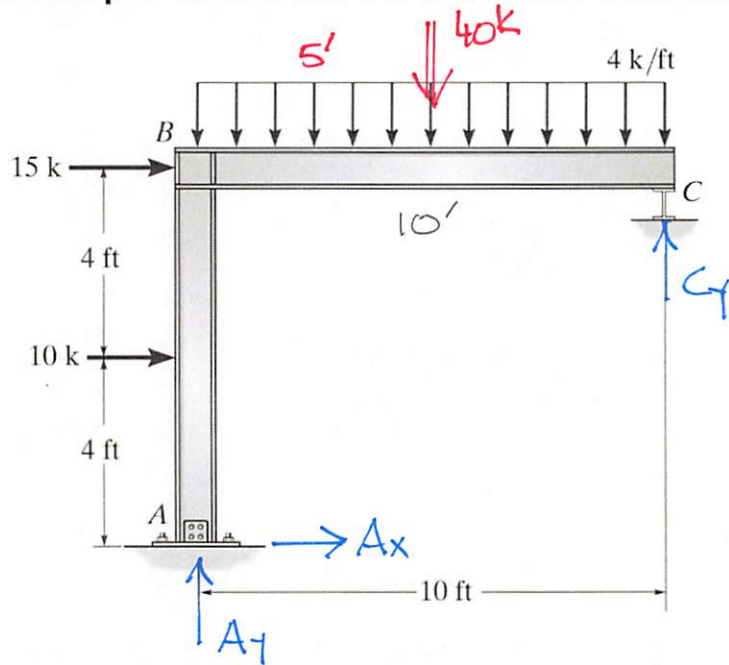


Example 4d-2: Draw the shear and moment diagrams for the following frame:

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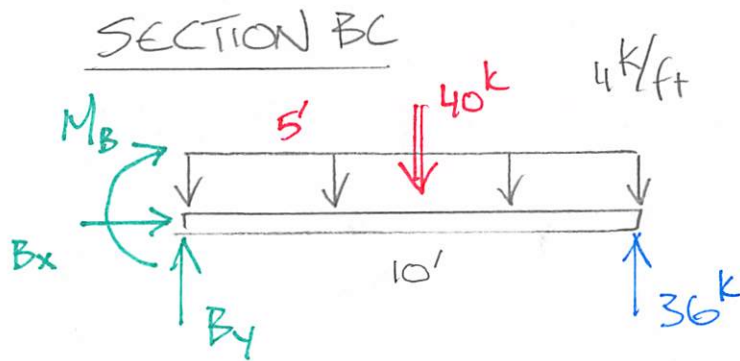


$$\sum M_A = 0 = -10^k(4') - 15^k(8') - 40^k(5') + C_y(10')$$

$$\underline{C_y = 36^k}$$

$$+\uparrow \sum F_y = 0 = A_y + C_y - 40^k \quad \underline{A_y = 4^k}$$

$$+\rightarrow \sum F_x = 0 = A_x + 10^k + 15^k \quad \underline{A_x = -25^k}$$



$$\sum M_B = 0 = -M_B - 40^k(5') + 36^k(10')$$

$$\underline{M_B = 160^k \text{ ft}}$$

$$+\uparrow \sum F_y = 0 = B_y - 40^k + 36^k$$

$$\underline{B_y = 4^k}$$

$$+\rightarrow \sum F_x = 0 = B_x$$

Example 4d-2: Draw the shear and moment diagrams for the following frame:

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