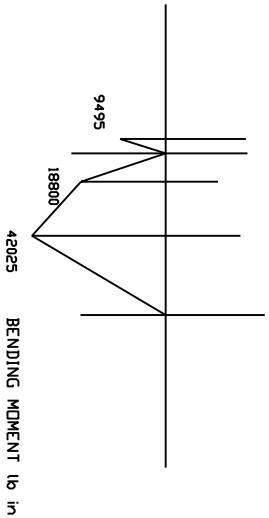
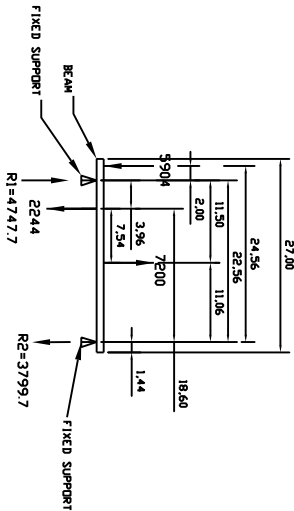


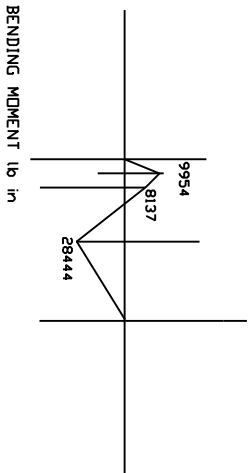
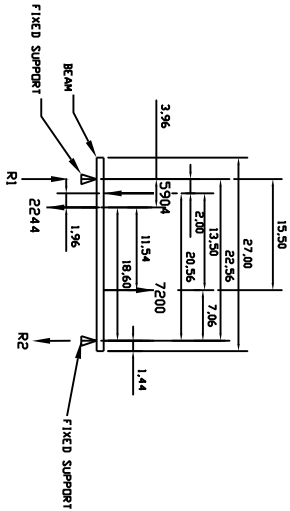
dimensions in inches
load in pounds (lb)

CASE 1



$$\begin{aligned} R2(22.56) &= (7200 \times 11.5) + (5904 \times 2) - (2244 \times 3.96) = -85721.76 \\ R2 &= -85721.76 / 22.56 = -3799.7 \\ R1 &= (5904 + 2244) - 7200 - R2 = 948 + 3799.7 = 4747.7 \\ \text{OR} \\ R1(22.56) &= (2244 \times 18.60) + (5904 \times 2) - (7200 \times 11.06) = 107108.64 \end{aligned}$$

CASE 2



$$\begin{aligned} R2(22.56) &= -(7200 \times 15.5) + (5904 \times 2) + (2244 \times 3.96) = -90905.76 \\ R2 &= -83705 / 22.56 = -4029 \\ R1 &= (5904 + 2244) - 7200 - R2 = 948 + 4029 = 4977 \\ \text{OR} \end{aligned}$$