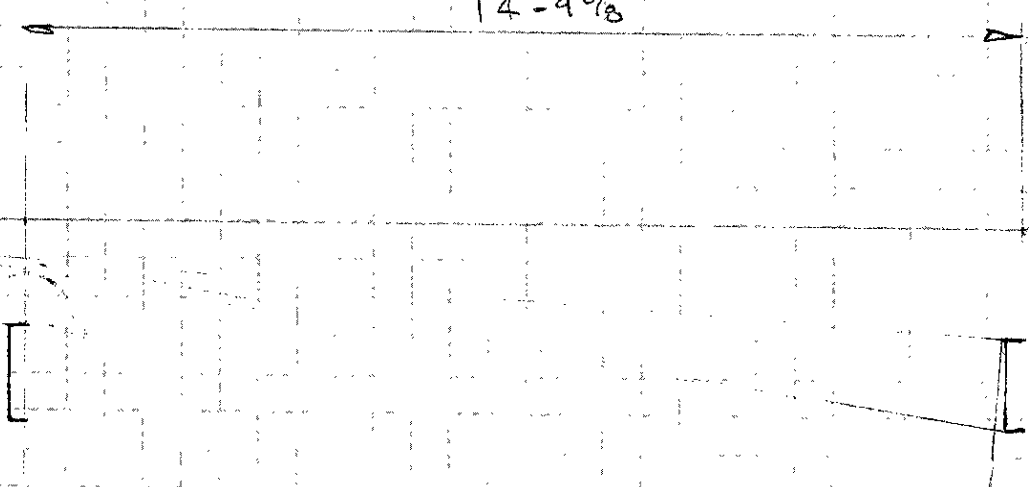


14'-9 5/8"



10"
6000

Available Load

Try - 2 - 4x10
 15' - Span

$$M = \frac{PL}{4} = PL = 4M$$

$$P = \frac{4M}{L}$$

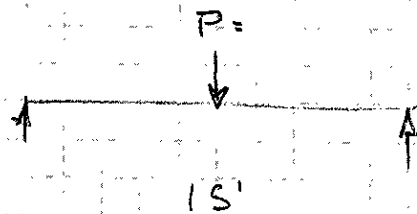
$$RM = 54.53 \times 2000 = 109,060$$

$$P = \frac{4(109,060)}{15 \times 12} = 2,420.163$$

$$\begin{aligned} &= 24 \text{ kips} & (1-2 \times 10) \\ &4.8 & \\ &7.2 \text{ kips} & (3-2 \times 10) \end{aligned}$$

7.5 Span

$$P = \frac{4(54.53)2^{1/2}}{7.5 \times 12} = 4.8 \text{ K}$$



$$M = \frac{PL}{4} = \frac{2.5(15)}{4} =$$

$$= 9.375$$

$$S = \frac{9.375 \times 12}{S = 54.53}$$

$$= 2 \text{ Kips}$$

$$M = \frac{PL}{4} = \frac{4.5(7.5)}{4}$$

$$= 9$$

$$S = \frac{9 \times 12}{54.53} = 2.45$$