



Tributary for King Stud = $\frac{36}{2} + 6 = 24"$

Load taken by King studs = $1500 \times 2' = 3000 \text{ lb.} + \text{Wind load.}$

Load taken by Jack Stud = $100 \times 123 \times 39 / 2 = 1665 \text{ lb.}$