COUNTERWEIGHT FORMULA
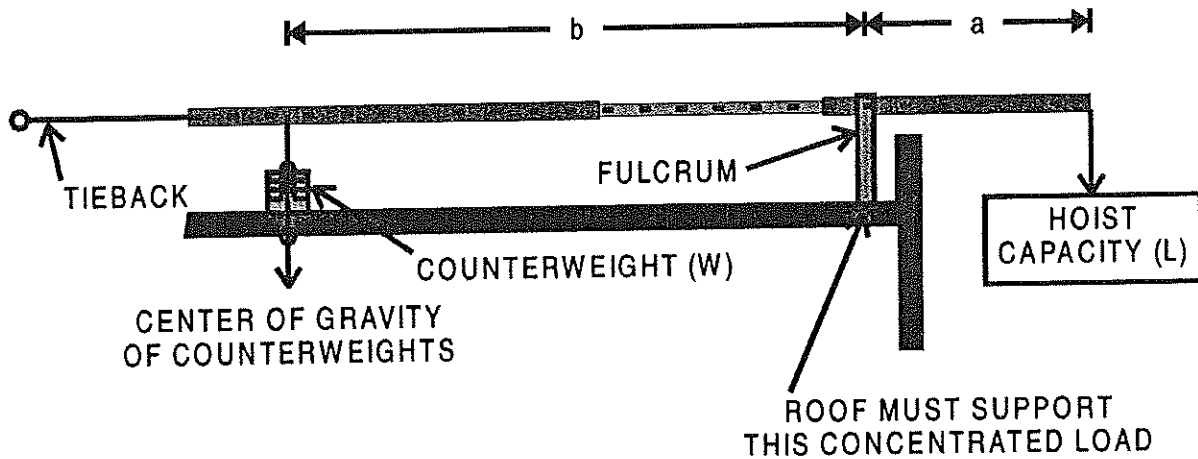

W = COUNTERWEIGHT
L = LOAD CAPACITY OF HOIST
a = ARM REACH
b = BACKSPAN DISTANCE (Distance between the
    fulcrum point and the center of the counterweights)
4 = Safety Factor (4:1)

NOTE: Counterweights must be a nonflowable material,
and they must be attached to the outrigger beam

Always use taut tieback wire ropes capable of holding
the full load.

$$W = \frac{(La)4}{b}$$

PARAPET CLAMPS

Parapet clamps grip the parapet. The parapet holds the total weight of the suspended
and the support systems and therefore can only be used with a parapet strong enough to
take the load and large enough to fit the clamp.

Form 112S