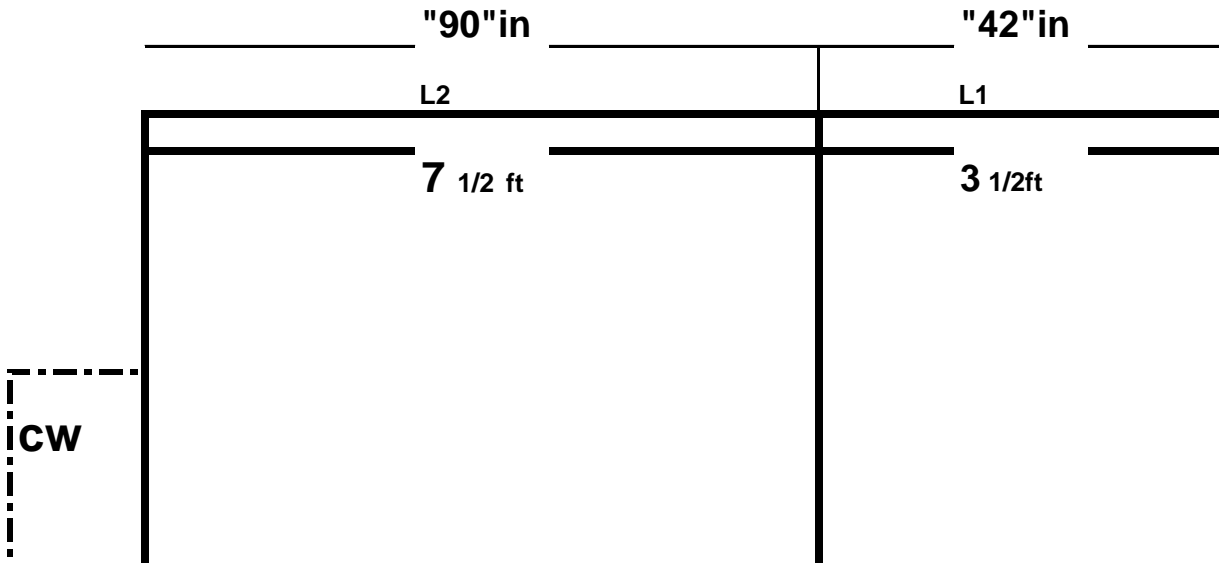


COUNTER WEIGHT FORMULA

$$CW = \frac{(H + L) \times 3(L1)}{L2}$$



WEIGHT OF THE HOIST PLUS THE LOAD = LOAD WEIGHT

H= HOIST

L= LOAD

L1= LENGTH OF COUNTER LEVER

L2= LENGTH OF SPACE BETWEEN SUPPORT LEGS

EXAMPLE: 800LB LOAD WITH A 200LB HOIST= 1000LB

STARTING NUMBER IS (3)

3 X "42" (L1) =126

126 x 1000 (LOAD)= 126,000

126,000

"90"(L2) = 1400 LB TOTAL COUNTER WEIGHT

MAX CW FOR A 2000 LB LIFT WITH HOIST:

3 X 42 =126 X 2200 =277,200 / 90 = 3080LBS

1540 LBS PER BALLAST MAX LOAD !!!

* This example is for the standard PT-1 Trestle. Be sure to adjust cantilever distance for the PT-1E.