

# STATIC & ROTATIONAL EQUILIBRIUM

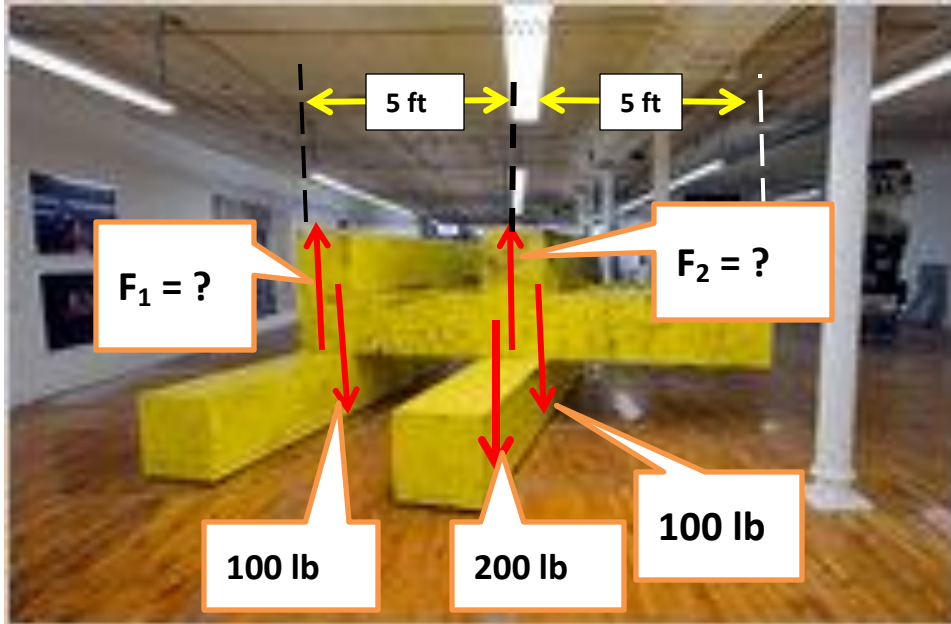
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ART REVIEW

## A Bit of Hollywood, Minus the Tinsel

People who take things into their own hands and try to operate outside the institutional grid deserve our gratitude. So hats off to the organizers of "[Greater LA](#)," a sprawling survey of recent art from Los Angeles arrayed in an immense, unrepentantly raw SoHo loft. It represents a tremendous effort on the part of three temporarily allied art professionals: Benjamin Godsill, a curator moonlighting from the New Museum; Joel Mesler, a partner in Untitled, an art gallery on the Lower East Side who began his art-dealing career in Los Angeles; and Eleanor Cayre, a Los Angeles collector and consultant who organized "The Station," a large group show in Miami during the Basel Miami art fair in 2008.



**INTRODUCTION:** The middle beam has five forces on it:  $F_1$  and  $F_2$  as shown from the two lower beams it rests on,  $100\text{ lb}$  down forces due to the the beams on top, and  $200\text{ lb}$  gravitational force on the middle beam (considered acting at center of mass of the middle beam).

**QUESTIONS:** (a) Using the Conditions for Static and rotational equilibrium set up The two working equations needed to solve for  $F_1$  &  $F_2$ ? (b) Solve for  $F_1$  and  $F_2$ ?

**ANSWERS:**  $F_1 = 100\text{ lb}$ .  
 $F_2 = 300\text{ lb}$ .

