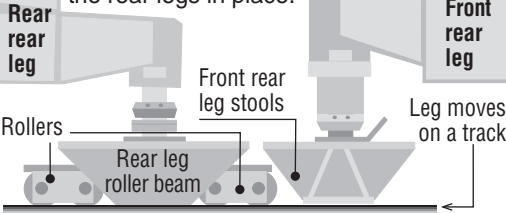


ANCHORING CONCERNS

The self-launching gantry cranes were each designed with 20 anchoring points on their front and rear legs, but Fru-Con changed how it anchored the cranes. That led to a complaint from designer Paolo de Nicola during the first test. Workers told investigators they later stopped using any anchors on the rear legs and could use only half the number on the front. OSHA cited Fru-Con for improper anchoring.

REAR LEGS

Eight anchors should have been used for the legs and eight on the roller beam. Fru-Con eventually used none, letting "friction" hold the rear legs in place.



FRONT LEG



Hole blocked by oversized shims

Front leg

When shims covered up the inside holes, workers could anchor only the outside holes.

Shim plate

