

## ELEMENTARY MECHANICS TEST

What is wrong with this picture?

[It is from an official "debunking video", one of a series debunking 9/11 conspiracy theories.]



HINT: The wall of the building is made of high grade steel in a close and strong mesh formation. The plane is made of lightweight materials, mostly aluminium.

Another hint: The effect of a collision between two bodies is unchanged if the motions are interchanged. Do a thought experiment: What happens if you hit the nose or wing or tail of a plane with a heavy steel girder? Now what happens if you slam a heavy mesh of girders into a stationary plane? Where would the plane end up and what shape would it be in?