

Ceiling Test for Projector Mounting



One of our customers asked us recently if his ceiling would be strong enough to mount his new JVC projector to it. For his specific location, he has a 2 x 4 joist that is set 'on edge'. This is very common for houses to have trusses made of 2 x 4s and that they would happen to be in just the right (or wrong) location.

I told him to see if he can hang about #60 on it using a lag screw and a rope to see if he is even in the ball park, and in the meantime, I'd rig up an experiment and document it for future potential customers.

Well, did that test last week and here are the results:

We hung #80+ through our ceiling mount and a Peerless adapter.

- Span: 95", 0.16" deflection.
- Span: 76", 0.10" deflection.
- Span: 48", 0.08" deflection.

See next page for the test setup.

I don't know if these deflections are bad enough to create a crack in your dry wall, but I would crawl up into the attic to see if there are other beams to help carry the load. Either add a 2 x 4 to reach up to the roof joists, or maybe use one to reach sideways to the adjacent truss joists. Or call a Handyman!

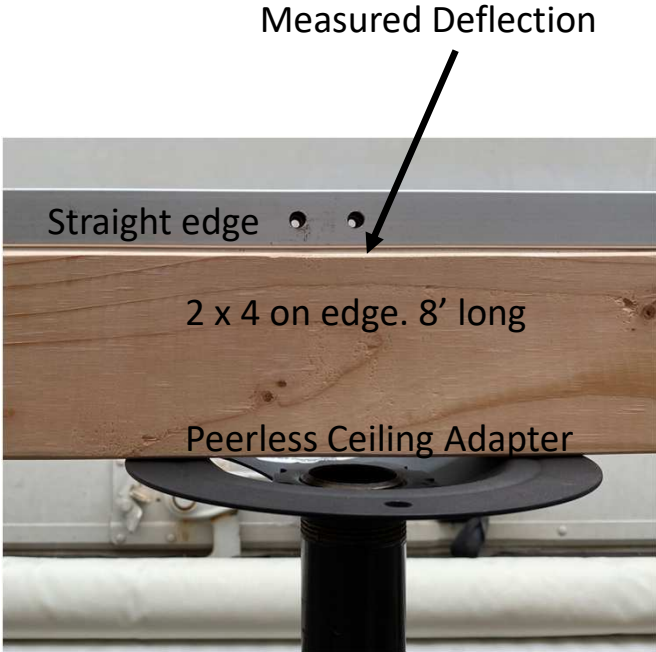
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Engage Ceiling Mount

Extension Pipe,
1.5" NPT

4 Cinder Blocks. #20 each



Measured Deflection

Straight edge

2 x 4 on edge, 8' long

Peerless Ceiling Adapter