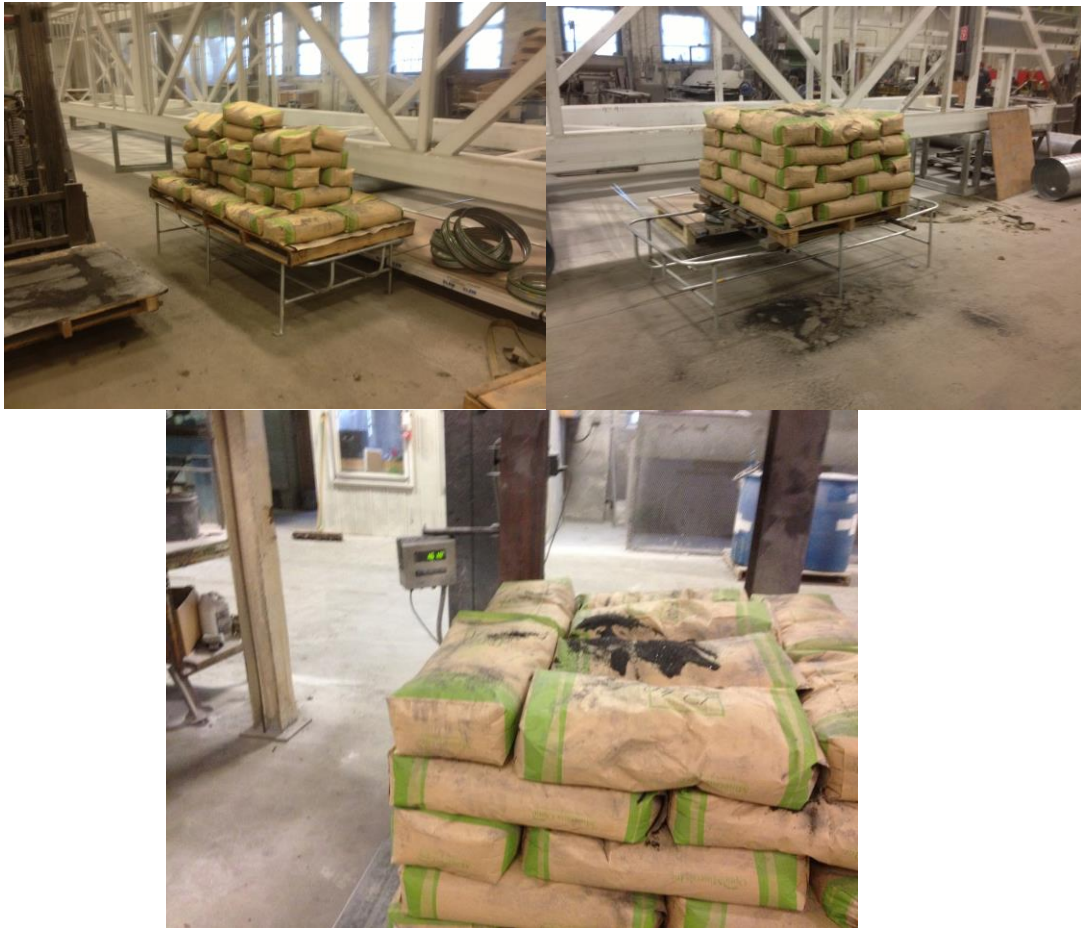


FRAME TEST



Using pallets to distribute the load 50lb bags were added until an anticipated break. When the weight exceeded 1600lbs it was deemed safe and strong enough for the constraints. Also, with the weight on it an individual climbed on the stacked bags and shifted their weight back and forth. Although the frame gave a little it showed no signs of permanent stress or break.

When the 1600lb weight was placed on the frame in a point load fashion, the frame did bend until the pallet reached the middle leg but still there was no fatal damage. The equivalence of this scenario would be four 400lb point loads on the weak points of the frame, there is virtually no case of this happening- even if four 400lb individuals sat on the sides of the frame the load would be more distributed.

Tipping test still needs to be done