Two but not Three

Challenge
Your TASK is to create a tower that will hold two weights, but will collapse when a third weight is added.

The Scene
Part One (5 minutes): Use the materials on the table to build a tower that is as tall as possible. Your tower will need to hold two weights, but should collapse when a third weight is added. You may practice adding weight Part One, but at the end of Part One, no weight may be on the structure. At the end of Part One the Appraisers will measure the height of the structure.

Part Two (1 minute): Place two weights on the structure. The weights must hold for five seconds to count for score. Then place a third weight to make your structure collapse. If you did not finish building your structure in Part One, you may continue in Part Two. When your structure is complete, tell the Appraisers. Time will stop briefly for the Appraisers to measure the height of the structure. You may then use any remaining time to add weight.

Materials
3 straws
4 mailing labels
4 index cards
2 rubber bands
1 sheet of newspaper
3 paper clips
3 weights (heavy washers)
The mailing labels may not be attached to the weights or the table.

Scoring
A. 20 points if your structure holds two weights
B. 20 points if your structure collapses when a third weight is added
C. 2 points (40 points maximum) for each inch of height of your tower
D. 20 points for how well your team works together