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Name(s): _______ Date: _____

Building for Hurricanes Engineering Design Challenge Capture Sheet

Using the guiding questions below and the images of various types of towers and structural elements provided, look at the materials you have available and make a plan for your tower.

- Which combination of materials will make the tower as tall as possible (measured to the <u>bottom</u> of the tennis ball)?
- What tower shapes could you use? Should your base be round? Square? Triangular?
- Can you be creative about using the materials in an unexpected way?
- How can you get the tower to be freestanding, not taped to the table, and yet not fall over?
- Think about the forces on the tower, wind from the side and gravity pulling down. How you will build your tower to resist them?

Tower design plan:		

developed by the



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