Bottle Shingles

- Creating glazing by recycling plastic bottles.
- Model created from 20 oz bottles.
- 7500 bottle estimate for 1500 sq ft of glazing.
- Rough estimate on light transmissivity: 67% of available light.
- Little to no light diffusion
- Bottles held together by twine.
- Requires implementation of a recycling program.
- Large scale collection and production program.
- Workforce needed. Potential job creation.
- Raw material is extremely affordable.
- Cuts plastic bottle waste by 90%.
- Longevity expected to be several years, field testing is required.
- Large initial investment to set up, but quickly sustainable.
- Different glazing designs to accommodate different water bottle designs.