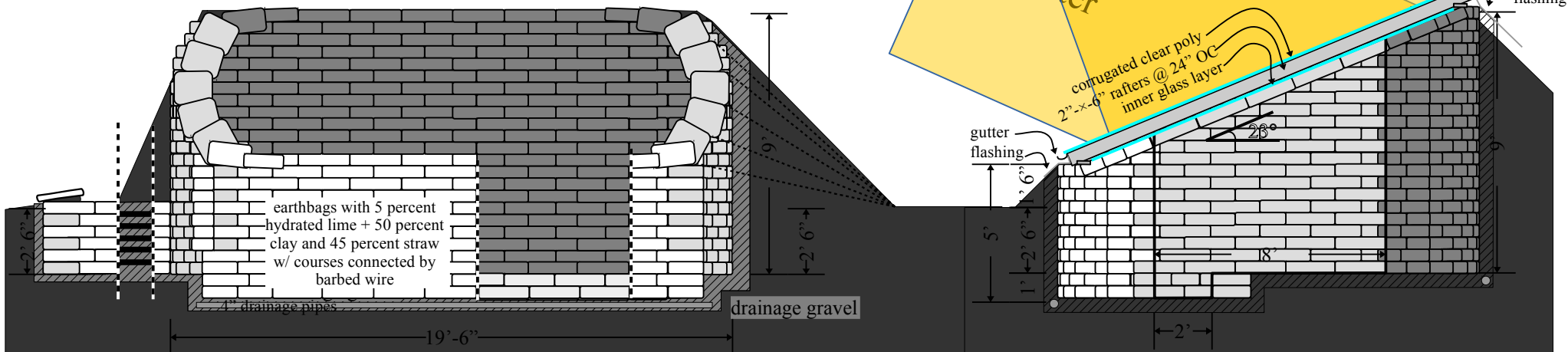
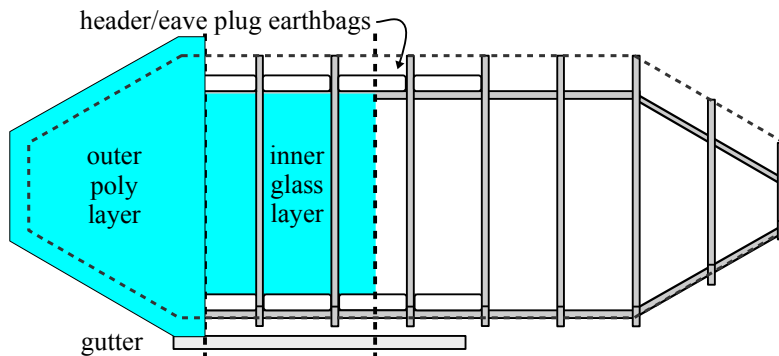


THE LOW TECHNOLOGY INSTITUTE
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located in the historic village of Cookville

Earthbag Walipini Greenhouse – 1.0 (Test Design)

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This greenhouse is partially buried and oriented to catch the sun. The thermal mass of the bermed earth and earthbags will provide thermal inertia, evening out temperature fluctuations and allowing a longer growing season than an above-ground greenhouse. The earthbags are reclaimed from local breweries and filled with on-site clay, straw, and hydrated lime. The walls are curved to absorb lateral pressure from the bermed earth and protected by a double moisture barrier: exterior plastic sheeting and internal plastic bags within the earth bags. The roof is double layered.



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