Arts Centre Hastings





The Arts Centre Hastings was designed by Chris Magwood and Ingrid Cryns, and built by the students of the 2007 Sustainable Building and Design program at Fleming College, under the direction of Chris Magwood and Ali Lam.

Located in the Madoc Skate Park in downtown Madoc, Ontario, the project was funded by the Municipality of Centre Hastings. The building is designed to host indoor performance events for up to 80 people, and outdoor performances for up to 500.







Rammed earth tire piers support the roof posts for the outdoor stage.









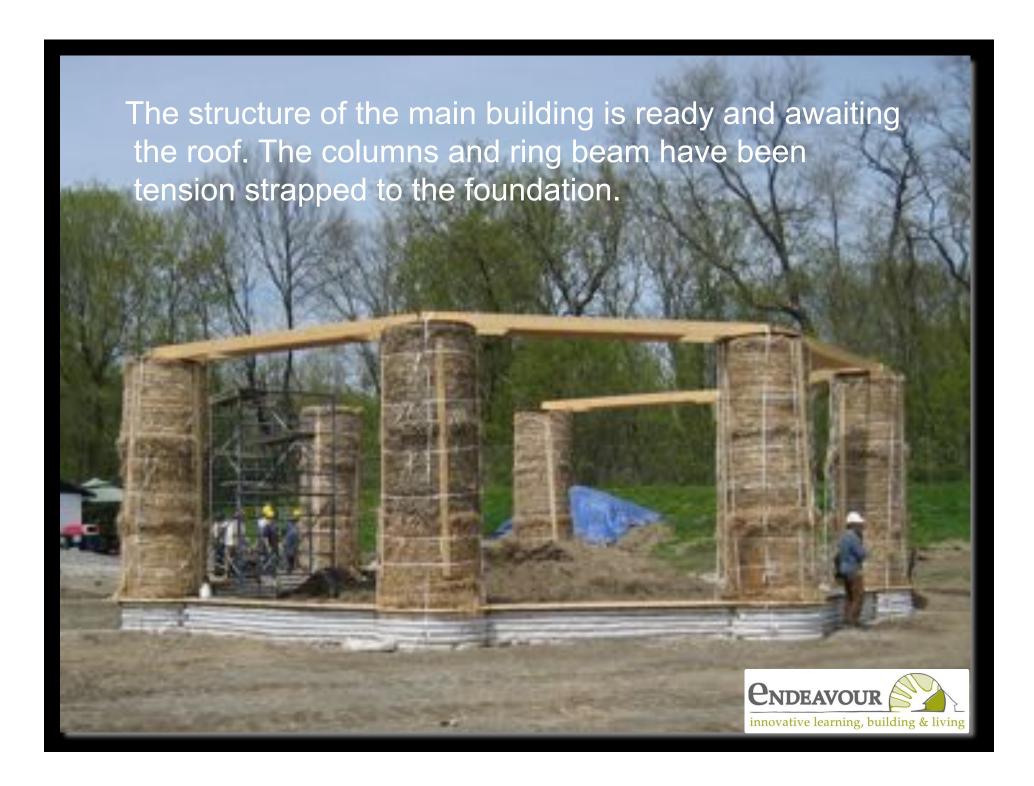


After attempting to stack the round bales one at a time, the strapped columns were lifted into place as one unit.

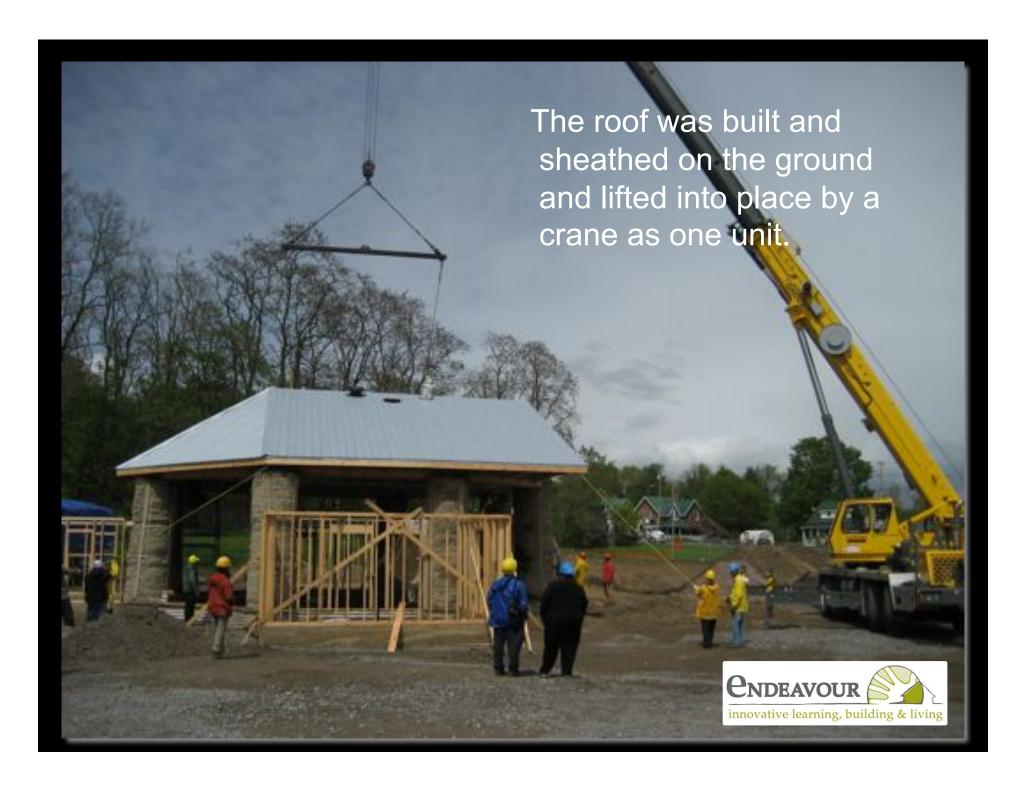












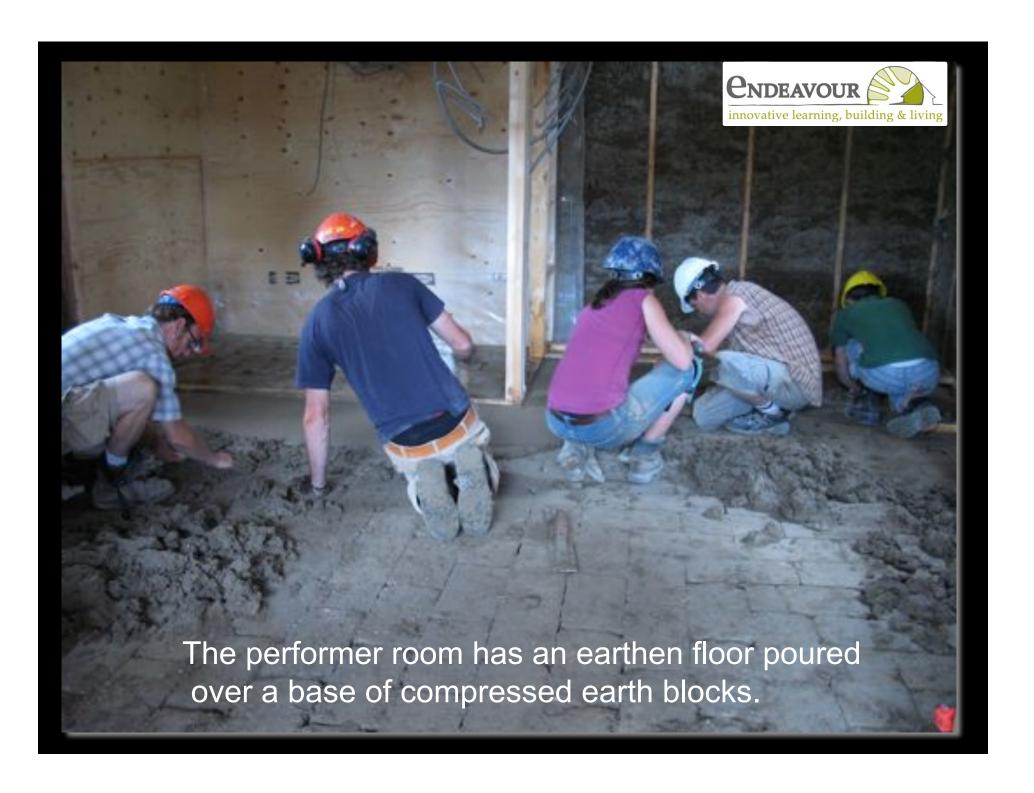










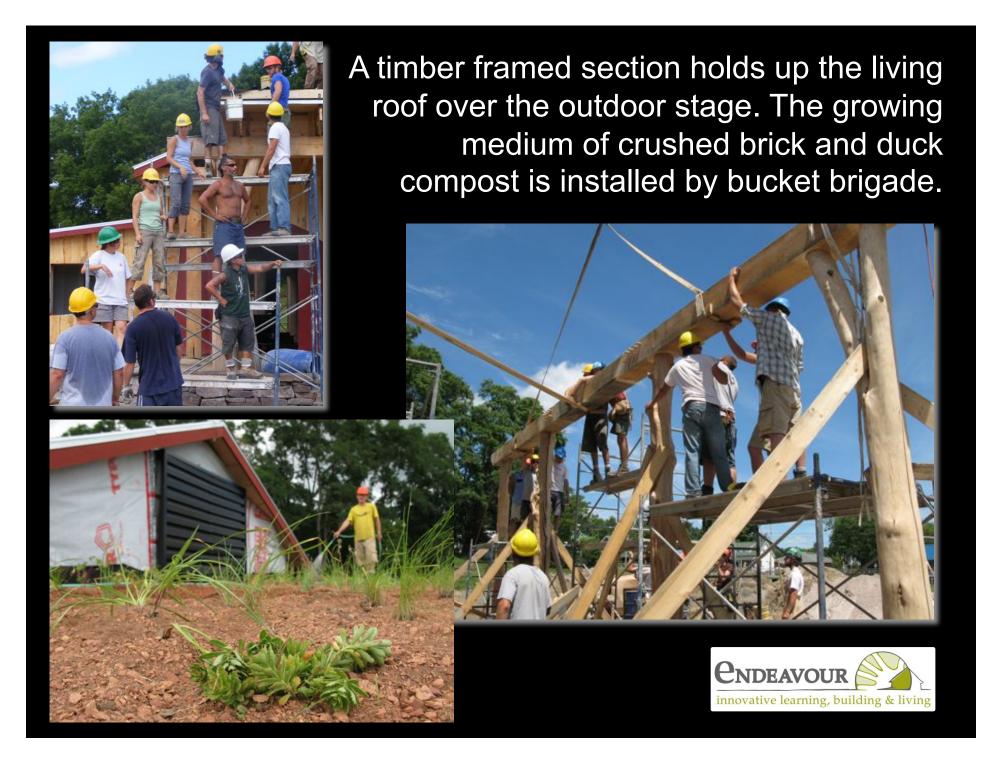




A rammed earth floor base covers the main room, with radiant heat tubing encased. Wooden runners support a floating bamboo floor. Moisture damage from the still damp earth required the bamboo to be replaced.







A geo-thermal (ground source heat pump) provides the heat source for the radiant floor heating, which is embedded in the earthen subfloor.







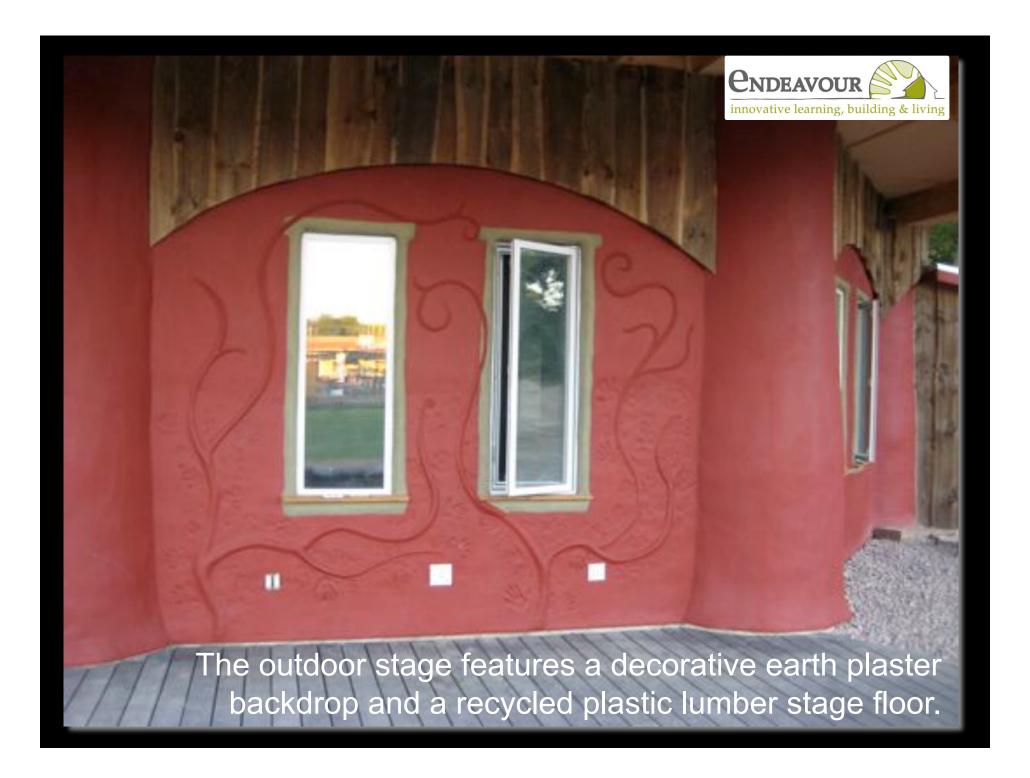


A solar air heater provides warmed fresh exchange air during the winter (above).

A 2.1kW grid inter-tied PV array brings the building's energy use to net zero.







Student made entry doors; Hemp canvas ceiling fully strapped





