



A combination of closed cell foam and fiberglass insulation, provide a high R value thermal break.

SUSTAINABILITY

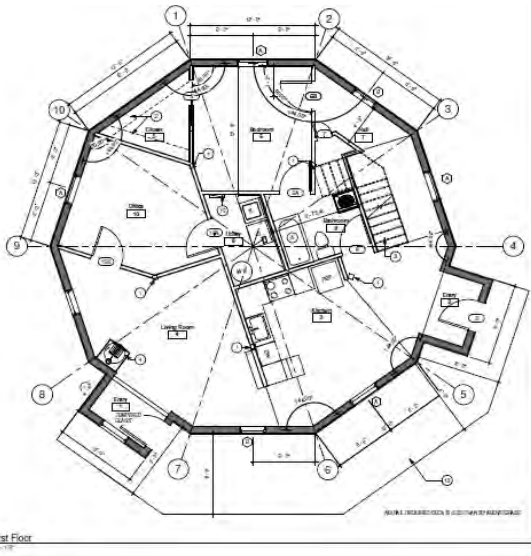
LESS MATERIALS = LOWER CONSTRUCTION COSTS

CENTRAL UTILITY CORE = SHORTER PIPE AND DUCT RUNS

LESS SURFACE AREA + AMPLE INSULATION = LOW ENERGY COST



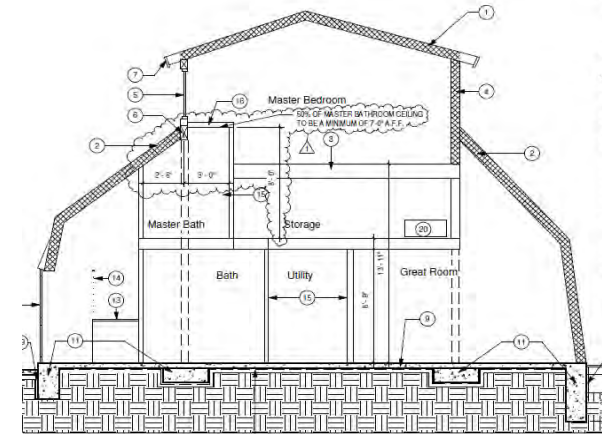
A high efficiency pellet stove heats the main living area. Fans help move the air throughout the Haven.



The minimal interior walls enclose separate living areas with no wasted space.



By locating the mechanical room in the Haven's center, the length of the plumbing and HVAC runs are short. The return air is set high in the living room, allowing for the circulation of warm air from the pellet stove.



Air circulation is enhanced by the openness of the structure. Ample venting keeps air fresh.

EARTH TUBES

Hot air is exhausted through a vent in the top of the Haven via a solar powered attic fan. The intake air is supplied via a duct buried 4-6' deep. As the fresh air travels through this duct, its temperature is tempered by the surrounding earth. This helps lessen the load on the HVAC system.

