



LEED for Homes Durability Evaluation Form

(for prerequisite ID 2.1)

Builder Name:	<i>Handcraft Homes</i>
Project Team Leader:	<i>Wayne Grebe, Handcraft Homes</i>
Home Address (Street/City/State):	<i>3072 Judes Ferry Road, Powhatan, Virginia</i>

Home

Building type: Single detached	Floor Area: 1866	Structure type: Structural Insulated Panel
Project type: Custom	# of Bedrooms: 3	Exterior roofing: Membrane (EDPM)
Number of stories: 3	Number of full bathrooms: 2	Garage: None

Site

EPA Radon Zone: 1	Type of soil: Pacolet clay loam
Terrain / topography: Sloped	Depth of soil to bedrock: 127
Predominant landscaping: Minimal; grass over drain field, otherwise naturali	Depth of ground water below structure: 380
Common regional pests: termites, roaches, ants, mice, rats, snakes, squirr	Proximity to bodies of water? N/A
Other significant features:	Above FEMA 100-year floodplain? Yes
Additional comments:	

Climate

IECC 2004 Climate Zone: 4	Annual rainfall (inches/yr): 40-50 Inches
Heating degree days (HDD): 3919	Annual maximum wind speed (mph): 41-45 mph
Cooling degree days (CDD): 1435	Avg annual solar radiation (kWh/m2/day): 4.5-5.0 kWh/m2/day
Natural disaster risks:	
<input checked="" type="checkbox"/> hurricanes	<input type="checkbox"/> earthquakes
<input checked="" type="checkbox"/> tornados	<input type="checkbox"/> floods
	<input type="checkbox"/> wildfires
	<input type="checkbox"/> blizzards

Issues

Issue Type	Risk Level	Issue Type	Risk Level
Exterior water:	medium	Pests:	low
Interior moisture:	medium	Heat loss:	low
Air infiltration:	low	Ultraviolet radiation:	low
Interstitial condensation:	low	Other: _____	