



SECOND FLOOR PLAN

AREA: 136 SQ. FT.

- ⑫ All exterior lights to be LED type to minimize electricity consumption
- ⑬ All interior lights to be fluorescent or LED type
- ⑭ Roof overhangs calculated for specific building site location to allow winter sun through clerestory windows but block high summer sun heat
House orientation is South facing for great room and master bedroom
- ⑮ Use foam gaskets between @ all contact between logs and 6" thick insulated panels exterior walls with R 24 minimum insulation value
- ⑯ Roof to be 12" thick SIP (structural insulated panels) to reach R50 insulation value.
Roof finish to be Thermoplastic white vinyl finish to reflect 80% of sun radiation and to emit 70% of the heat absorbed by house, creating an energy efficient cool roof.