**Additional Materials**

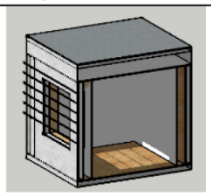
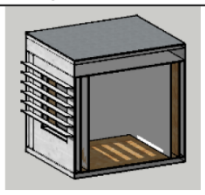
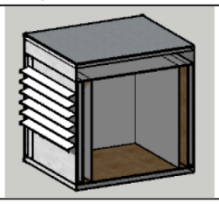
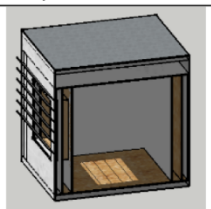
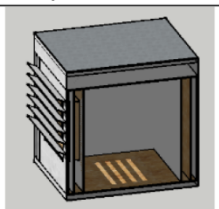
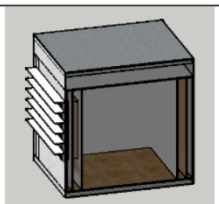
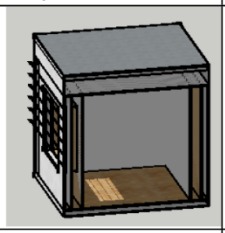
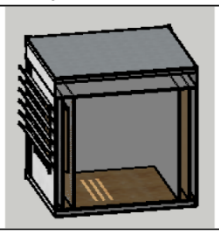
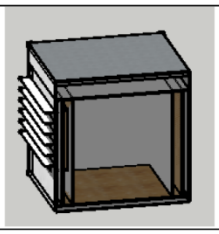
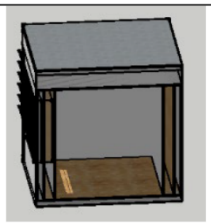
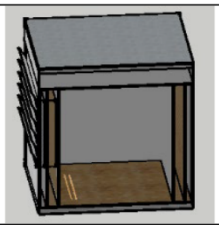
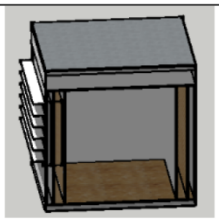
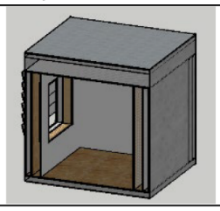
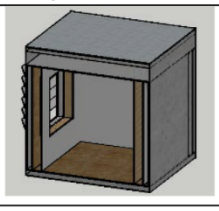
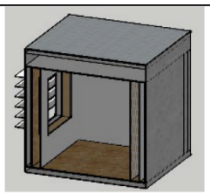
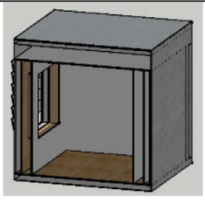
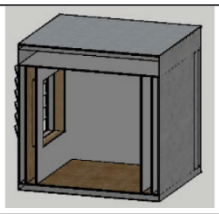
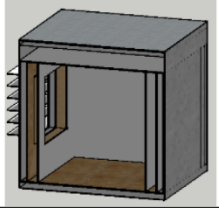
| SHADING PERCENTUAL | | | |
|---|---|---|---|
| | 0% | 50% | 100% |
| Θ | 36,07 ° | -12,23 ° | 17,86 ° |
| JANUARY 12:00 PM |  |  |  |
| Θ | 45,41 ° | -24,86 ° | 0 ° |
| FEBRUARY 12:00 PM |  |  |  |
| Θ | 56,20 ° | -40,05 ° | 0 ° |
| MARCH 12:00 PM |  |  |  |
| Θ | 67,82 ° | -56,94 ° | 0 ° |
| APRIL 12:00 PM |  |  |  |
| Θ | 76,14 ° | -69,26 ° | 0 ° |
| MAY 12:00 PM |  |  |  |
| Θ | 79,39 ° | -74,11 ° | 0 ° |
| JUNE 12:00 PM |  |  |  |

**Figure S1** Shading Simulation from January 21st to June 21st, at noon.

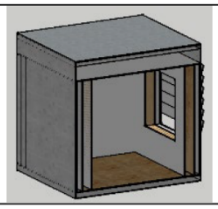
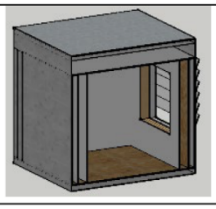
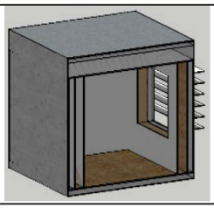
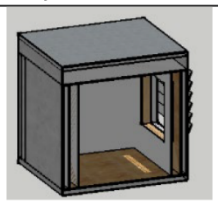
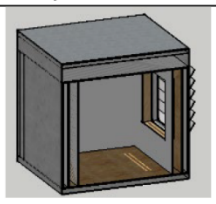
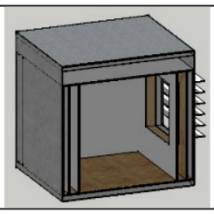
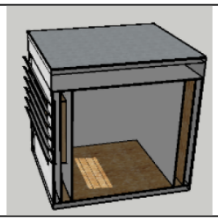
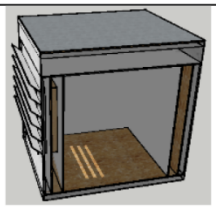
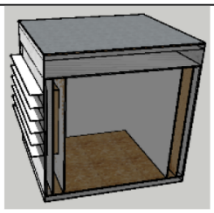
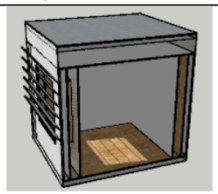
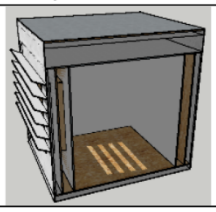
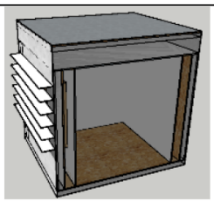
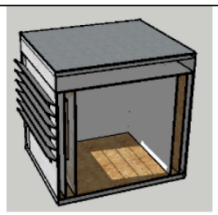
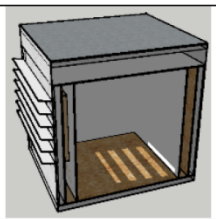
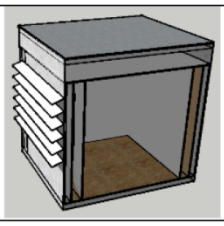
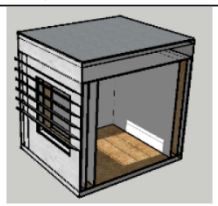
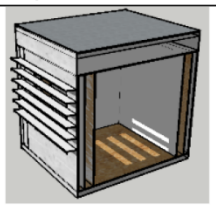
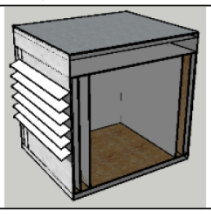
| SHADING PERCENTUAL | | | |
|---|---|---|---|
| | 0% | 50% | 100% |
| Θ | 76,42 ° | -69,68 ° | 0 ° |
| JULY<br>12:00 PM |  |  |  |
| Θ | 68,06 ° | -57,29 ° | 0 ° |
| AUGUST<br>12:00 |  |  |  |
| Θ | 56,66 ° | -40,71 ° | 0 ° |
| SEPTEMBER<br>12:00 PM |  |  |  |
| Θ | 45,27 ° | -24,67 ° | 0 ° |
| OCTOBER<br>12:00 PM |  |  |  |
| Θ | 36,06 ° | -12,22 ° | 17,88 ° |
| NOVEMBER<br>12:00 PM |  |  |  |
| Θ | 32,54 ° | -7,61 ° | 24,92 ° |
| DECEMBER<br>12:00 PM |  |  |  |

**Figure S2** Shading Simulation from July 21st to December 21st at noon.