

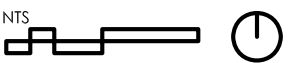
**leafhouse**  
at the University of Maryland



Revisions:  
03.06.07 SD CDS  
07.09.07 PFS TPIP  
07.28.07 PG CO.



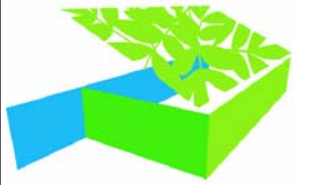
date: 08.07.07  
drawn by: JRK  
checked by: AEG  
approved by:



Const. Site  
Pre-Mall

cad file:

**T1.01**



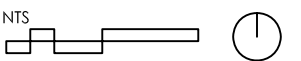
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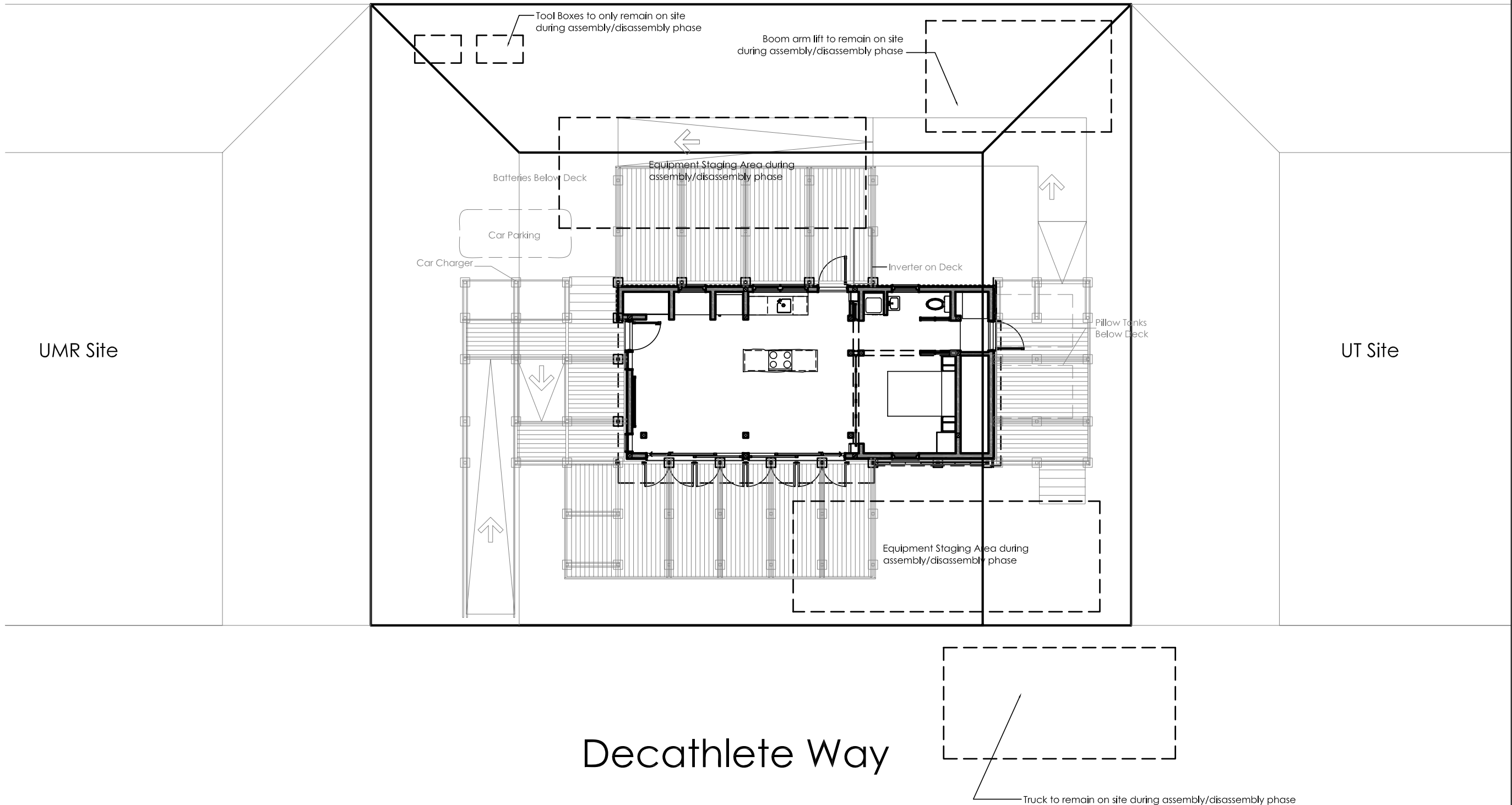


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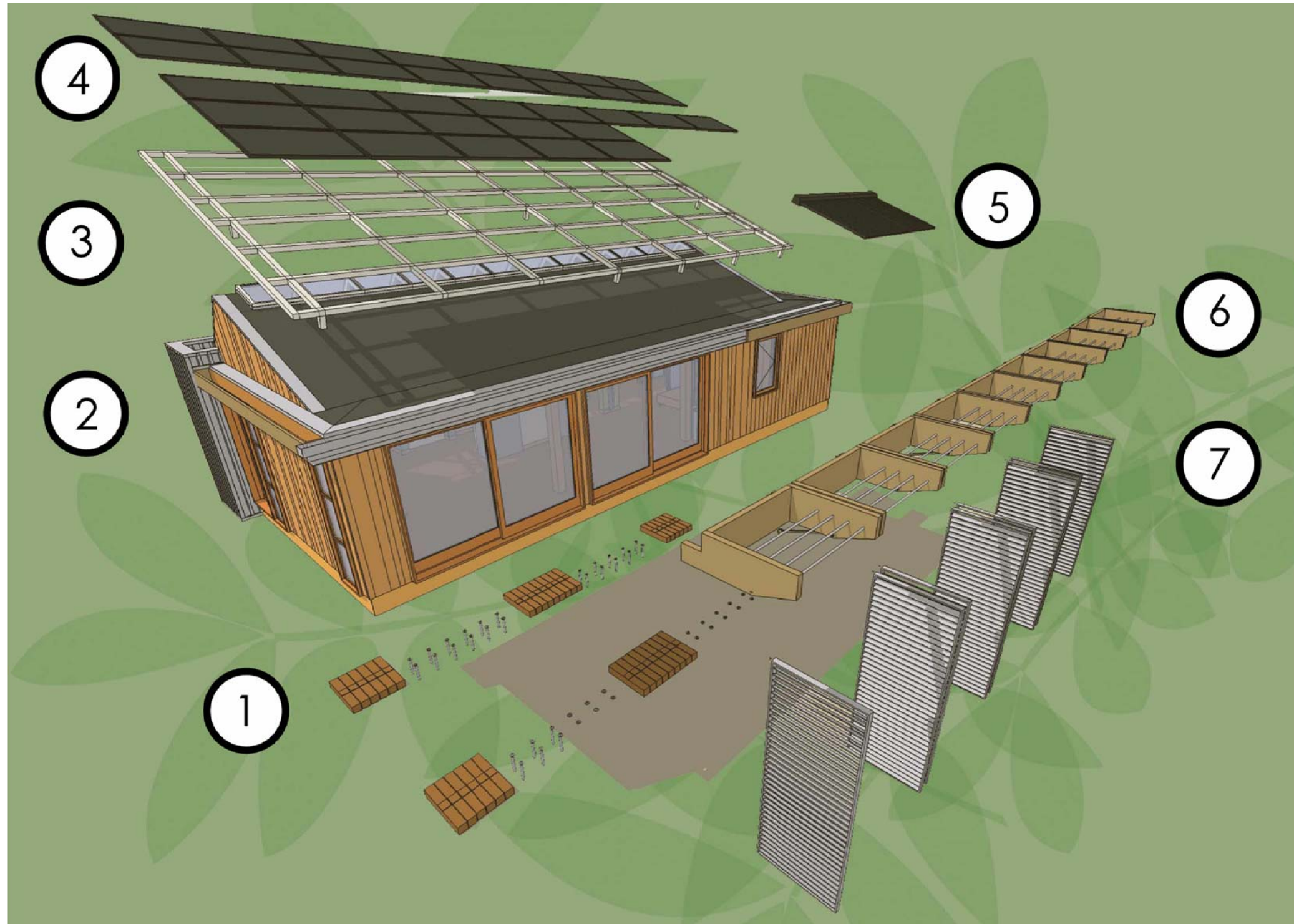


Const. Site  
On the Mall

cad file:  
**T1.02**



Note: Landscaping and Deck to be assembled after installation and set up of house and site equipment



**1 - FOUNDATION**

After surveying mall and laying out site boundaries, 18" soil anchors will be sunk flush with the ground. These anchors may be driven over if needed.

**2 - SETTING THE HOUSE**

After the moving vehicle has been positioned, 8x8 cribbing will be set under six predetermined points. Lifting jacks will also be positioned to lift the house off of the truck. The house will be lowered onto the cribbing to pre-load the 8x8 members, then lifted again. Shims will be added, and the house will be re-lowered.

**3 - SOLAR PANEL SUPPORT**

Ladder-shape sections of preassembled extruded aluminum beams will be lifted into place and fastened by workers onto the roof. Sections will be joined with individual 8020 beams.

**4 - SOLAR PANELS**

Individual solar panels will be lifted and clamped to the racking system beams. Wiring along the support system to a rooftop outlet will also take place.

**5 - EVACUATED TUBES**

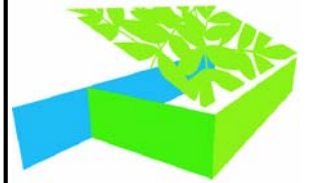
The rack and manifold for the hot water system will be lifted and clamped into place. Tubes will be lifted and installed individually by hand.

**6 - OVERHANG**

Sections of overhang will be bolted to the house and to each other.

**7 - SHUTTERS**

Shutters will be hung on premounted hinge assembly.



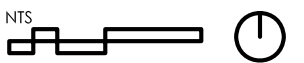
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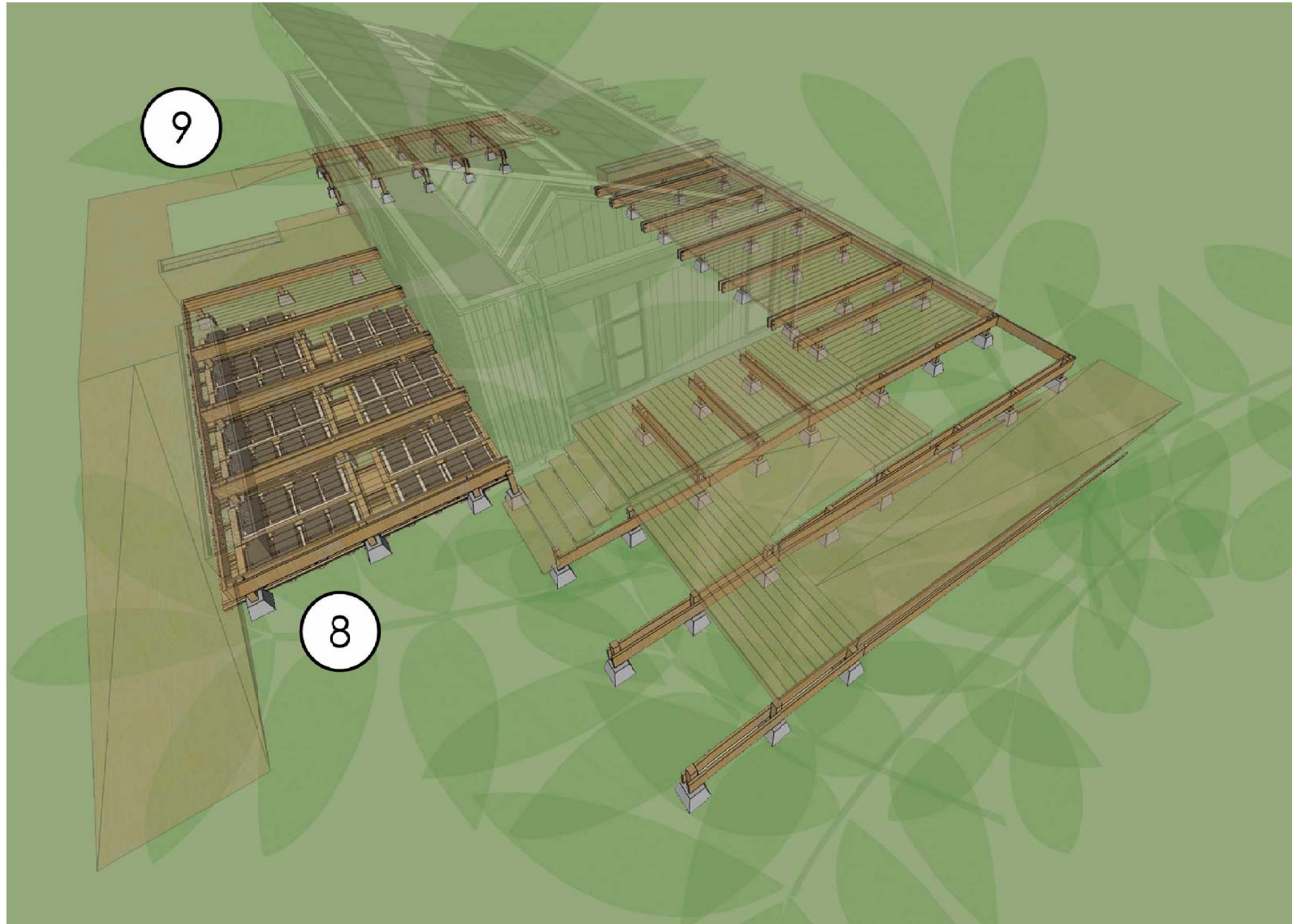
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Assembly

cad file:  
**T2.01**



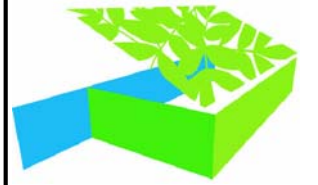


**8 - POST ANCHORS, DECK SUPPORTS, AND BATTERY CARTS**

Deck post anchors and posts will be placed around the site to determine the deck location. Battery carts will be lifted onto rails and slid into place. Finally, deck support members will be strung between deck posts.

**9 - DECK PANELS**

Deck panels will be dropped onto the posts. Ramp elements will be adjusted to fit terrain.



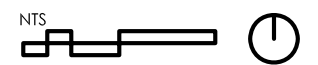
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Assembly

cad file:  
**T2.02**