

**SWEET 16 - 2022**  
**WALL ASSEMBLY COMPETITION**  
3rd Annual, April 29 2022

SUBMISSION BY:  
SCHOOL:  
LOCATION:

**ASSEMBLY NAME:**  
**CLIMATE ZONE:**

**DESCRIPTION:**

Describe your assembly, the home you have designed for, and the approach to the six evaluation criteria for your work (150 word max.)

**PERFORMANCE:**

Describe your performance goals for this assembly and list your control layers, thermal performance (total nominal and/or adjusted R-value ), location of the air barrier, and general detailing to hit your performance goals (100 word max.)

**BUILDABILITY:**

Given your location, describe the ease of construction for your local labor force. Have you proposed new and innovative methods of assembly? Do you require off-site prefabrication to build your assemblies? Are all materials specified available locally with minimal lead times? (100 word max.)

**DURABILITY:**

Describe your approach to durability, considering water management and reparability in the future (100 word max.)

**EMBODIED CARBON:**

To compliment your performance goals, describe your approach to the (estimated) embodied carbon found within your assembly (100 word max.)

**COST:**

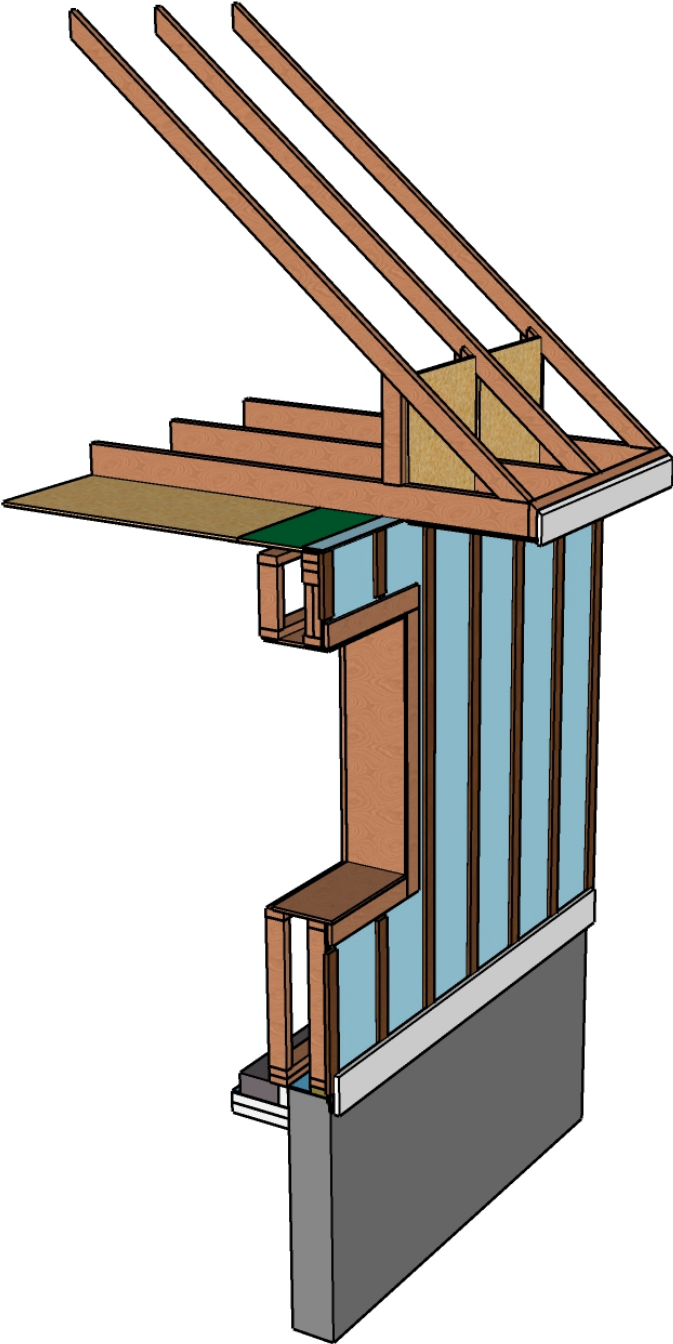
Given your location, access to materials, and local labor force, describe the relative cost level of this wall assembly - compared to a code build wall (100 word max.)

**LCA:**

Understanding the complete life cycle of the homes (and assemblies) you are building is critical. Describe your approach to the proposed assembly while highlighting the toxicity of the materials, reusability and recyclability at the end of life. (100 word max.)

**(1-2 pages maximum for written descriptions)**

EXAMPLE DRAWING PAGE LAYOUT



(5 pages maximum for images and drawings)

### **SCHOLARSHIP LETTER:**

Describe your (career) goals within the design and skilled trades industry and how funding could support these goals.

Be specific about:

- Type of education, training or tools you need to support your goals
- Cost of the (above) education, training or tools you need

Note: If you have multiple needs for funding, please illustrate the priority (or sequence) of the funding so we can understand what could come first.

**(1 page maximum for letter)**