

Project Status Report: CEEEn-2018CPST-005

Report Date:

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Project Title: Nepal Housing Options - Humanitarian

1) Summary of technical/non-technical challenges encountered

- Little technical specifications been published about light framed construction of bamboo.
- To resist lateral loads, we will need to find unique ways to connect the bamboo to the foundation, floor and roof systems.

2) Team approaches & resolutions to overcome challenges

- We have contacted our subject librarian about access to the ISO (a standardization that includes bamboo)
- We are researching what others have done with bamboo and are adapting details we have seen that are us with wood framing.

3) Status of challenge resolutions & potential project impact

- We are waiting for access through interlibrary loan or through professors.
- We are in the research stage of the connections.

4) Project status & summary

- The preliminary architectural plans have been changed to account for the slope of the lot.
- The structural analysis spreadsheet has been started.
- Preliminary materials for school and house have been selected.