

Project Status Report: CEEEn-2018CPST-005

Report Date: 4/1/19

Team Members: Braiden Green, Abbey Wilson, Adam Foulk, Bryce Miller

Project Title: Nepal Housing Options - Humanitarian

1) Summary of technical/non-technical challenges encountered

- Excessive uplift on some beams
- Finding values for shear walls with screws and bamboo compared with wood and nails.
- Excessive buckling in wall studs

2) Team approaches & resolutions to overcome challenges

- Using cantilever instead of resisting uplift
- Use NDS and research to find withdrawal and shear values
- Use plyboo studs

3) Status of challenge resolutions & potential project impact

- Beams, shear walls and wall studs will be complete this week.

4) Project status & summary

- Calculations will be finished this week.
- Report and structural plans will be complete next week.