

How do you rebuild 60,000 HOMES every year for the next 10 YEARS in Haiti?
1 HOME at a time. 1 SOLUTION at a time. It begins here at NOTRE DAME.



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1st E2E HOME in Haiti

6 INNOVATION EXCHANGES with Haiti



2 PROTOTYPES

Notre Dame's
1st NCEES Award

1 STAGE for telling COUNTLESS STORIES

The E2E Expo will host Open Houses before every home football game to raise awareness and funds to support the launch of E2E's housing program in Haiti

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Through partnerships between faculty, undergraduate students, engineers, construction professionals, and their Haitian counterparts, the E2E Expo allowed the vetting of constructability, feasibility and scalability of two reinforced concrete housing typologies for post-quake Haiti through the erection of 2, two room, 288 sq. ft. starter homes.

Without this invaluable opportunity, the following outcomes would not have been possible:

1. 5 different panel configurations, with efficient pre-casting schemes and simple attachment details
2. Construction strategy for grooved foundation slab for the frame and panel system
3. Identification of most efficient and effective construction sequencing, particularly for the frame and panel system
4. Identification and resolution of conflicts in reinforcement
5. Determination of mix designs that assure proper consolidation
6. Identification of design features that were difficult to construct, where quality may be difficult to assure, or whose tolerances are especially small
7. Complete quantities and cost analysis (in Haitian and US Dollars), underscoring areas where design refinements could further enhance affordability
8. Evaluation of each typology against a multi-point rubric, using constructability surveys gathered from Expo participants
9. Complete set of structural designs, updated to reflect as-built details and field modifications
10. Opportunity to exchange fabrication and construction strategies on the fly to support the parallel efforts in Haiti