

Intact Structures Inc.

Engineered Ferrocement Buildings Designed and Constructed to withstand the Force of Nature

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Haiti the Crisis Today, Tomorrow and Beyond

Current Problems:	Solutions:
1. No water collection	Construct ferrocement water collection tanks. To manage and store rain water.
2. No shelter	Construct ferrocement buildings that have the ability to collect and store water.
3. No medical facilities	The first ferrocement buildings should be a complex that is a medical center called the Initial hub of Hope which would have wings becoming wards then counseling facilities. The second buildings should be fabrication shops for vocational training to produce housing that is permanent and strong constructed by the people of Haiti.
4. Lack of reconstruction material	Conventional construction methods should be eliminated for the present. Ferrocement designs use 20% the Portland cement and require no forms or block to construct. 3/8 rebar and wire mesh are the structure armature of the structures.
5. Lack of skilled or knowledgeable labor	The construction techniques and trades are trainable on site with hand tools with mass production capabilities.
6. Lack of an initial reconstruction plan	Intact Structures Designs have multiple design capabilities and plans available.

The structural reasons that so many people died and are injured are numerous. A critical factor through is the weight of the 4” concrete slab roofs and the tendency of block walls to collapse at their joints. Intact Structures Ferrocement Designs are light weight stronger than block and slab and are almost impossible to collapse. They feature integral connections throughout all their components and materials. Intact Structures will add intrinsic value to the lives of both those who build them and those who live in them.