



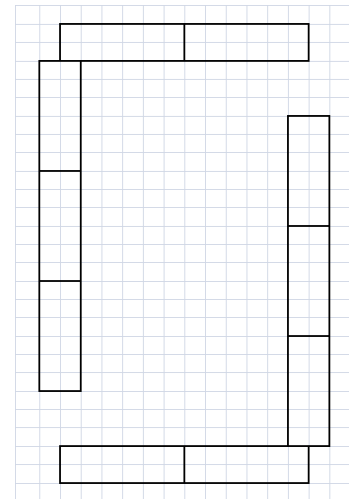
***Haiti: Relief, Rebuilding and Recovery***  
2010 01 15

**Gabions (wire-frame boxes) for filling with rubble to make walls in Haiti**

- Rubble is an insurmountable problem
- Building materials are and will be scarce
- Gabion wire-frame boxes can convert the problem of rubble into a resource for building
- Initial container loads of gabions can be shipped from CA beginning immediately.
- As the need for and applicability of gabions is extensive in Haiti following the earthquake, it will be possible to initiate gabion manufacturing in Haiti.



- **Cost per gabion 2' x 2' x 6' is \$48.95 apiece**
  - Galvanized 11 gauge welded wire mesh on 3" centers
  - Crimped hinges on short sides and spiral wire hinges on long sides
  - Manual tie-wire final forming (tools for wire cutting/forming included)



- 560 gabions per 20 ft shipping container
- Example of use of gabions:
  - 3m x 6m (18m<sup>2</sup>) wall layout using 20 gabions
- Each two sets of 40 gabions includes: two wheelbarrows, sledge hammer, pick, safety goggles, five pairs of gloves, food for this team to sustain them through this job.
- First container can ship in one week, following shipments of two containers per week
- *In-country production of gabions in Haiti can be achieved with technical services and a minimum amount of capital equipment from CA. Sourcing of welded galvanized wire mesh from Arkansas.*