

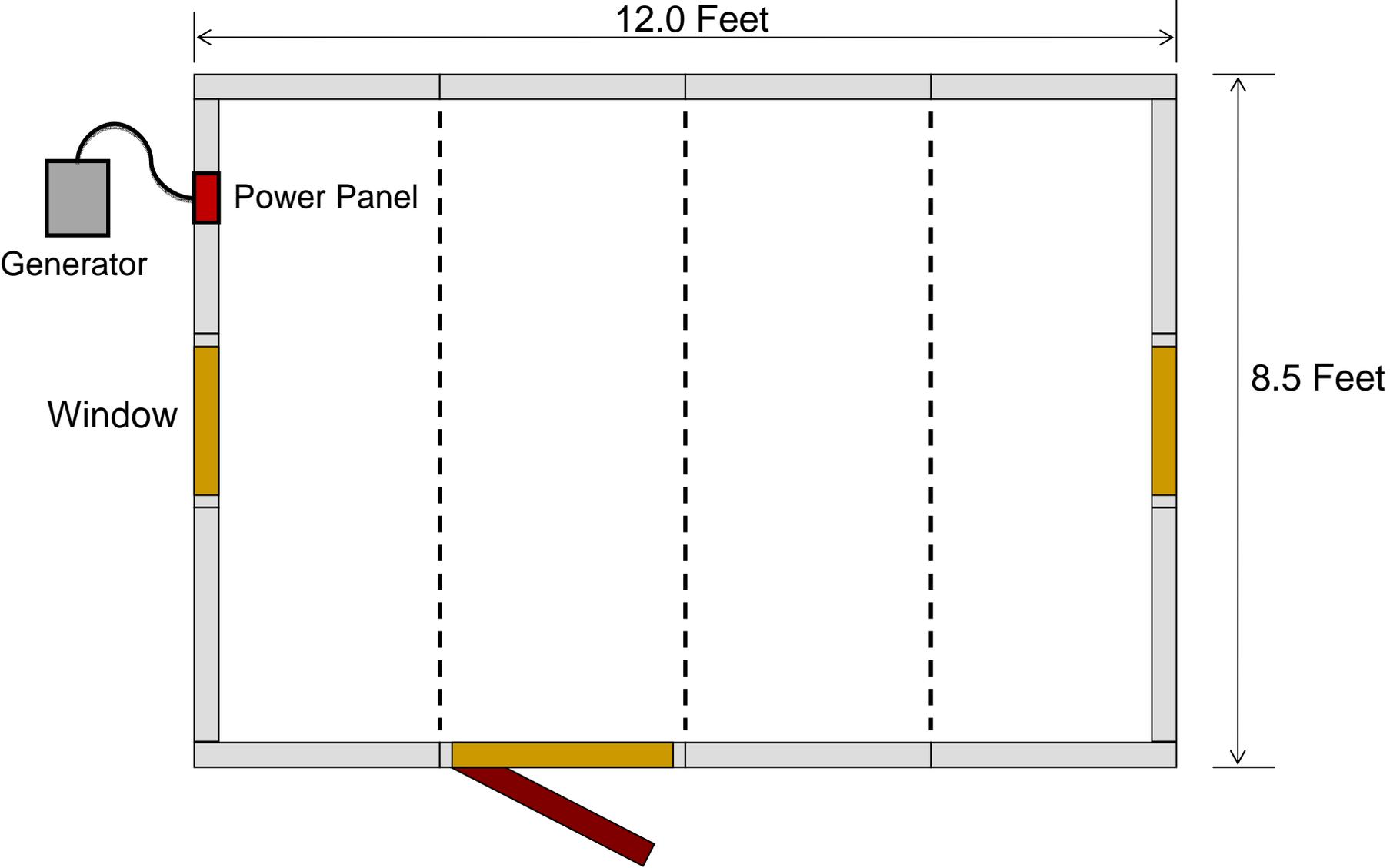
Greenix[®]
3w Emergency Shelters



SIP Supply, LLC

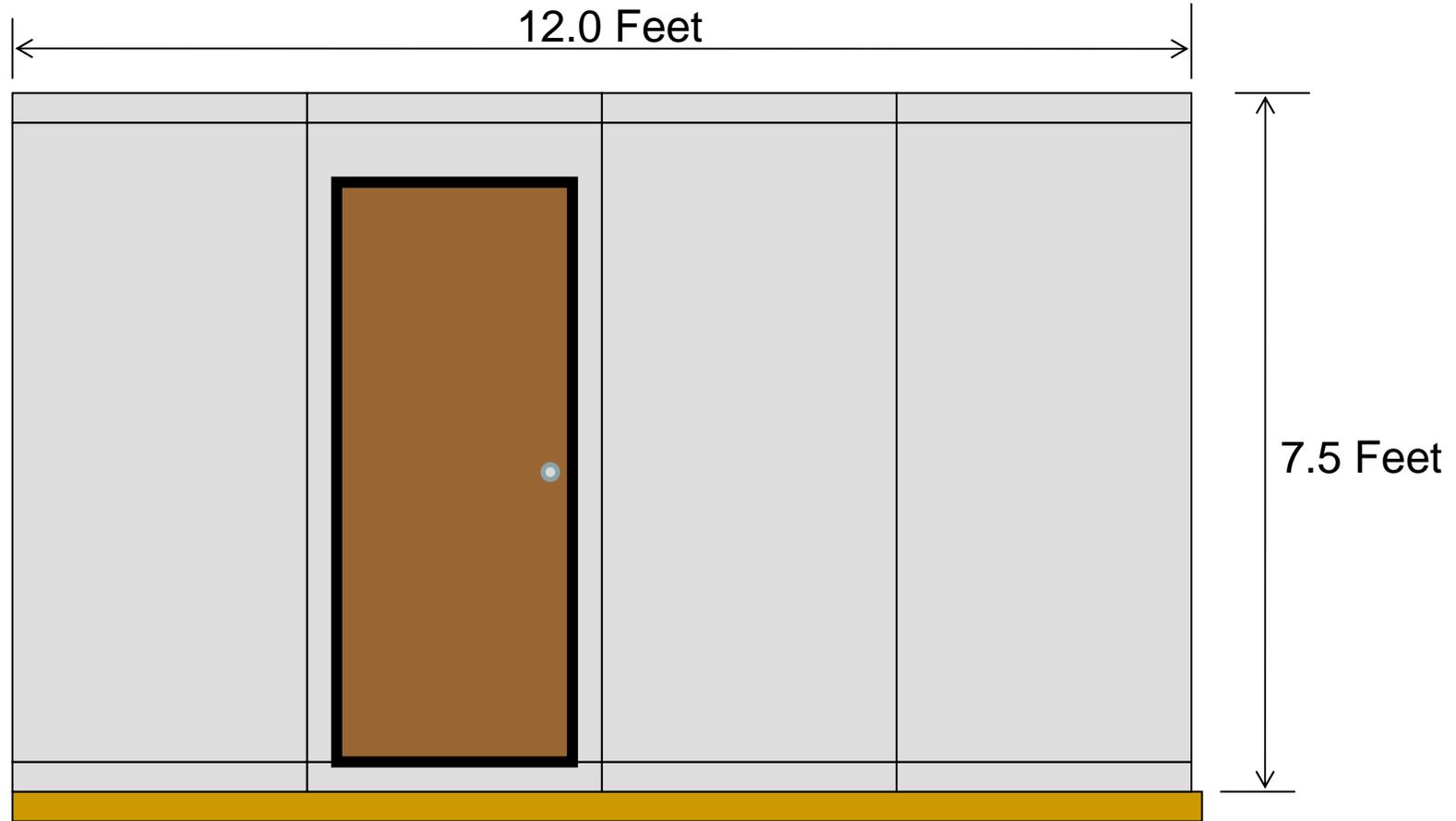
Greenix 3w Emergency Shelter

Single Unit - Plan View



Greenix 3w Emergency Shelter

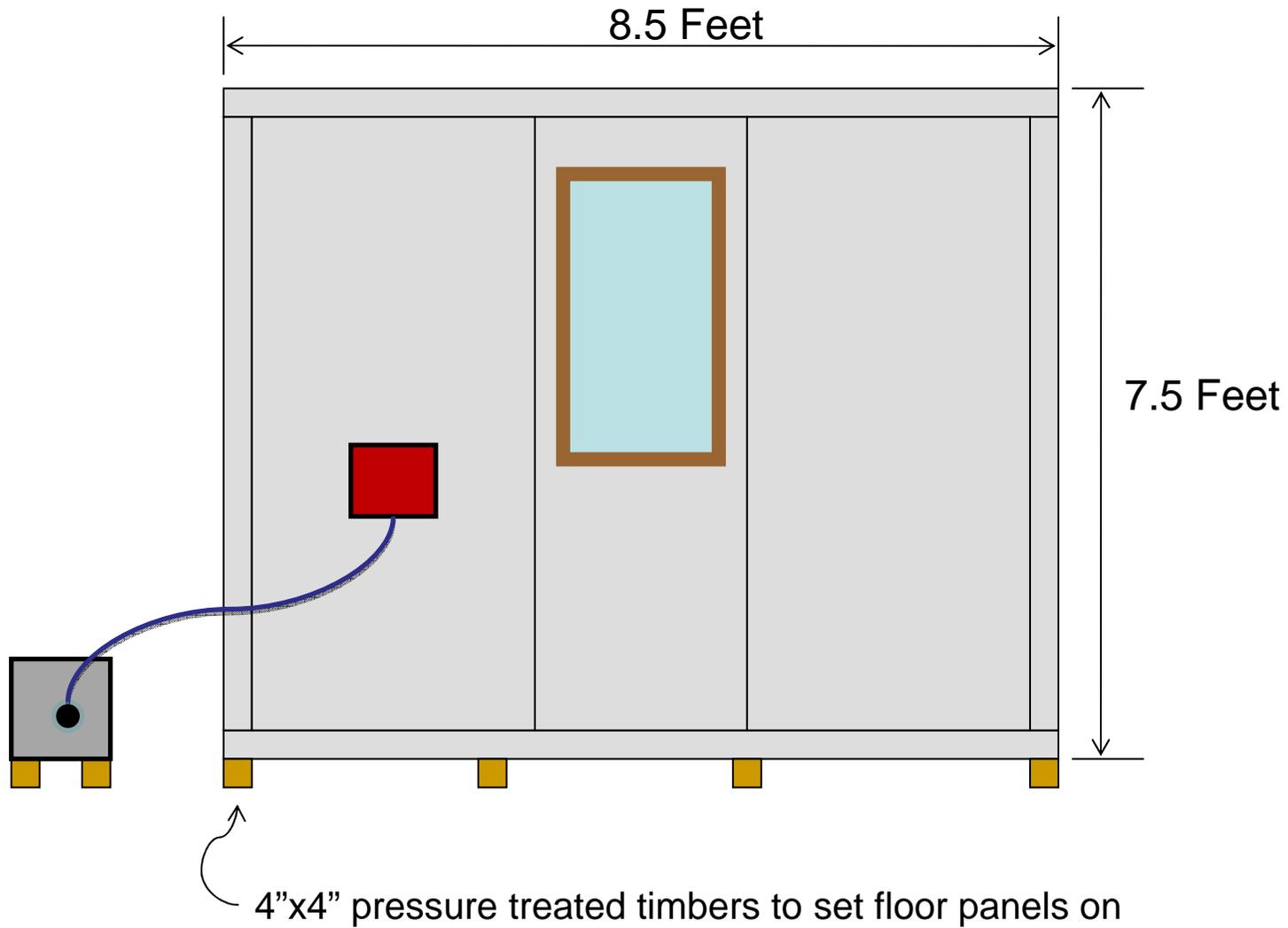
Single Unit - Elevation Front View



4"x4" pressure treated timbers to set floor panels on (4 pieces)

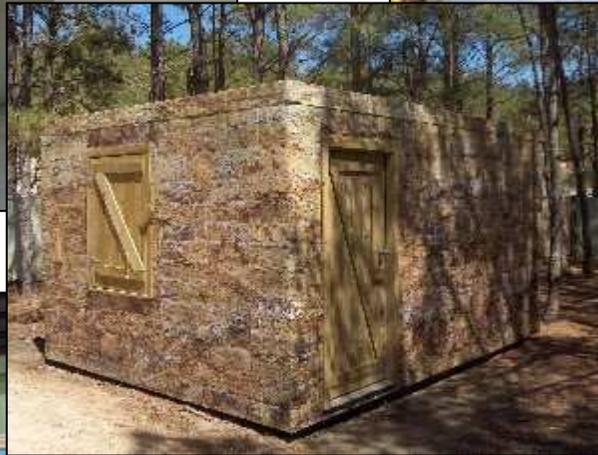
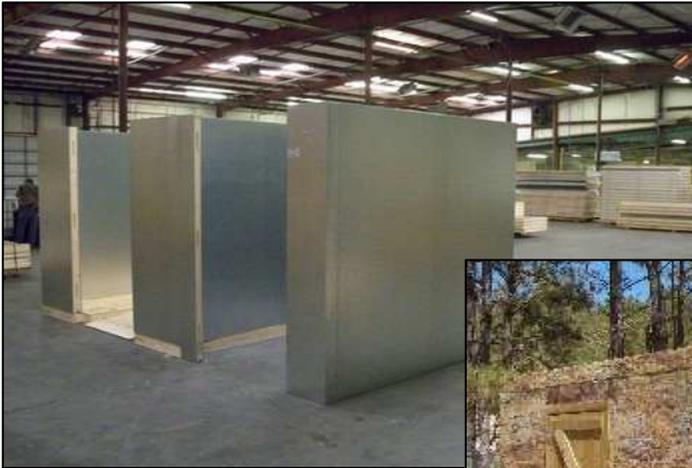
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Single Unit - Elevation Side View



Greenix Emergency Shelter

Various Shelter Projects



Greenix 3w Emergency Shelter

Panel Specification

- Panel Quantity and Size:
 - 11 standard wall panels – 3' wide x 7' tall
 - 2 window panels – 2' wide x 7' tall (actual window size is 18" wide x 28" tall)
 - 1 door panel – 3' wide x 7' tall (actual door size is 28" wide x 76" tall)
 - 4 floor panels – 3' wide x 8.5' long
 - 4 roof panels – 3' wide x 8.5' long
 - Roof and wall panels are 3" thick; floor panels are 3.25" thick
- Panel Material:
 - Surface material: 26 gauge embossed, galvanized, and painted sheet-metal on both sides
 - High density foam frame around the perimeter of each panel
 - Class 1 polyurethane foam insulation pressure-injected into each panel
 - Floor panels have 1/4" exterior plywood directly beneath the upper metal surface
 - Panels are locked together with high strength Cam-Lock connectors
- **All Panel Materials are Fire Proof or Fire Resistant!**

Greenix 3w Emergency Shelter

Optional GP/B Blast Panel Upgrade

Superior Strength - Fire Resistant - Blast Resistant - Wind Resistant



Greenix Panel survives 4lb detonation of the military explosive C4 while being tested for the new Quantico, Virginia modular training houses - 2009

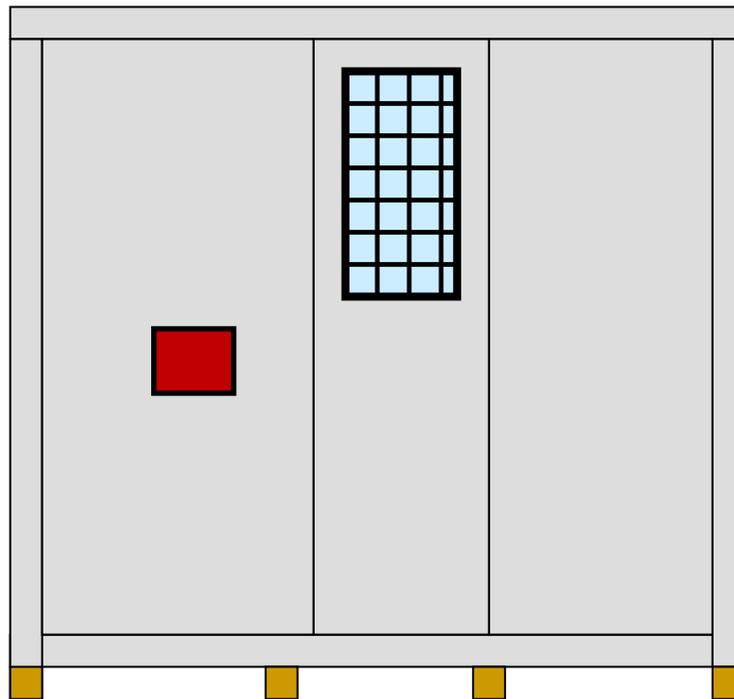
Greenix 3w Emergency Shelter Panel Specification (continued)

- Panel Insulation:
 - 3 inches of polyurethane foam provides an insulation value of R-20
 - Option: 4 inches of polyurethane foam provides an insulation value of R-28
- Panel Weight:
 - Maximum wall and roof panel weight = 65 pounds (3 inches of foam)
 - Maximum floor panel weight = 75 pounds (3 inches of foam and ¼” plywood)
 - Total assembled weight (single unit) = 1,470 pounds
- Electrical Power:
 - One wall panel has an electrical “power panel” incorporated into the wall structure
 - This power panel has plug-in outlets for both 110 and 220 volt power
 - The final step in the installation process is to attach the “pig tail connector” to the external generator or incoming power line
- Heating and Cooling:
 - Due to the high insulation value of the panelized structure, heating and/or cooling requirements are typically quite easy to achieve with small electrical heating and/or cooling units
 - In temperate climates, heating and/or cooling units are typically not necessary

Greenix 3w Emergency Shelter

Security

- Personal Security: Due to the real possibility of personal safety risks that might be present in a disaster environment, the Survivor units have security features that are available as options
 - Door security: Hollow metal door with tamper proof hinges and heavy duty door locks
 - Window security: Tamper proof metal security grate on the exterior side of the window opening



Greenix 3w Emergency Shelter Installation

- Installation Tools (Included in Tool Kit with instruction diagrams)
 - Cam lock wrench (2)
 - 8' ladder
 - 6' level
 - Heavy duty hammer
 - Pry-bar
 - Small shovel (to level 4x4 wood floor supports)
 - 4" SIP Screws and Screwdriver
 - Leveling shims and blocks for floor supports
 - Caulk and caulk gun
 - Metal backed roof tape (to seal roof panel connection joints)
- Installation Time (with 2 people capable of lifting 70 pound panels)
 - Floor support beams: 30 – 45 minutes (depending on ground conditions)
 - Floor panels: 30 – 45 minutes
 - Walls: 1 hour
 - Roof: 1 hour (including caulking and roof tape)
 - Electrical: 20 minutes
- **Total installation time: Less than 4 hours with adequate supervision**

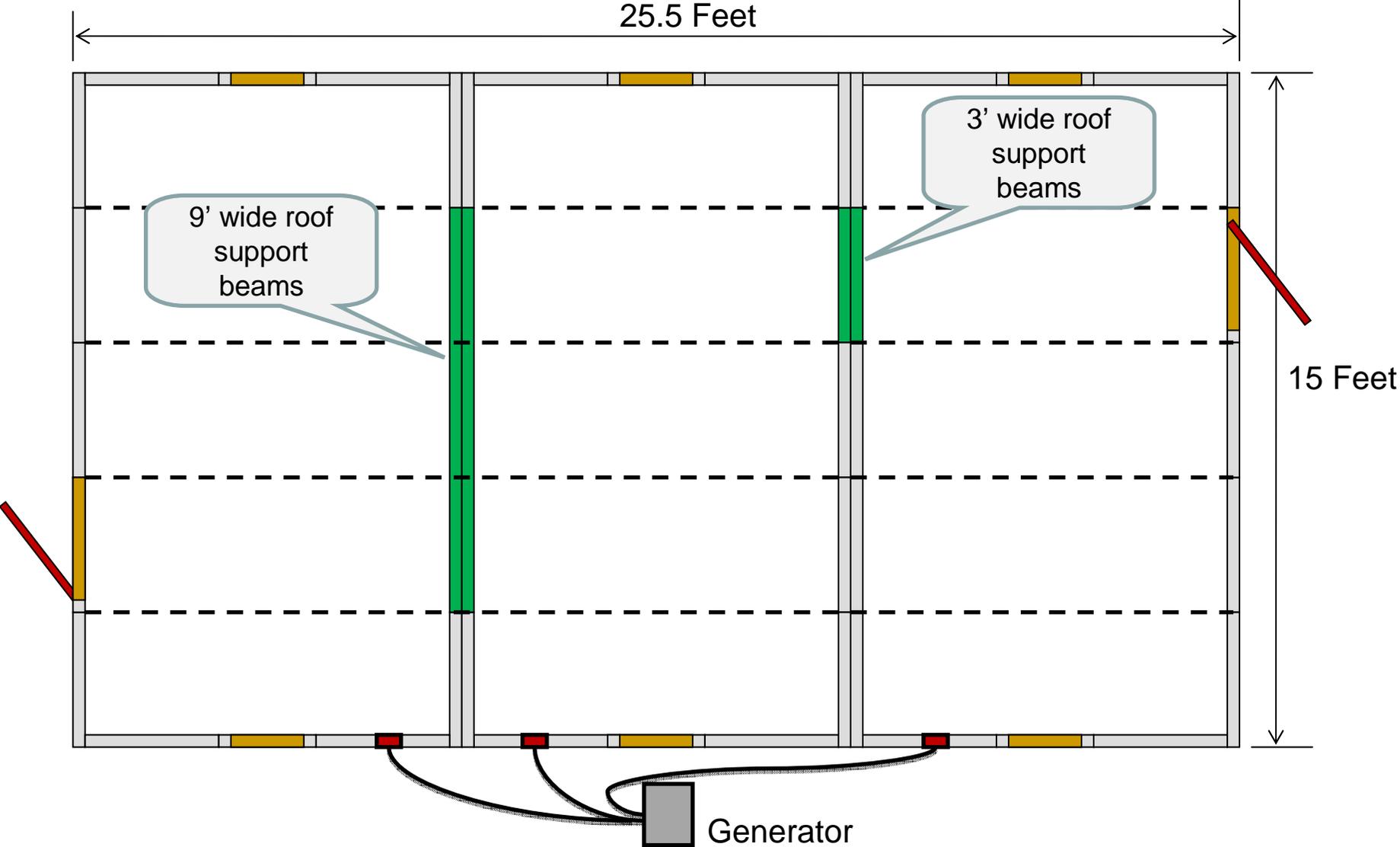
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Expansion Options

- Due to the modularity of the design using 3' wide wall panels, structures can be assembled into various widths
 - 4 panel width = 12' wide building
 - 5 panel width = 15' wide building
 - 6 panel width = 18' wide building
 - 7 panel width = 21' wide building
 - 8 panel width = 24' wide building
- Due to the modularity of the design using 8.5' long roof and floor panels, structures can be joined together to create larger structures with individual rooms
 - 17' Double Unit – 2 single units attached side by side
 - 25.5' Triple Unit – 3 single units attached side by side (next slide)
 - 34' Quad Unit – 4 single units attached side by side
- Wall openings (“door ways”) between units can be 3', 6', or 9' wide
 - A roof support beam will allow the roof panels to be fully supported and locked together

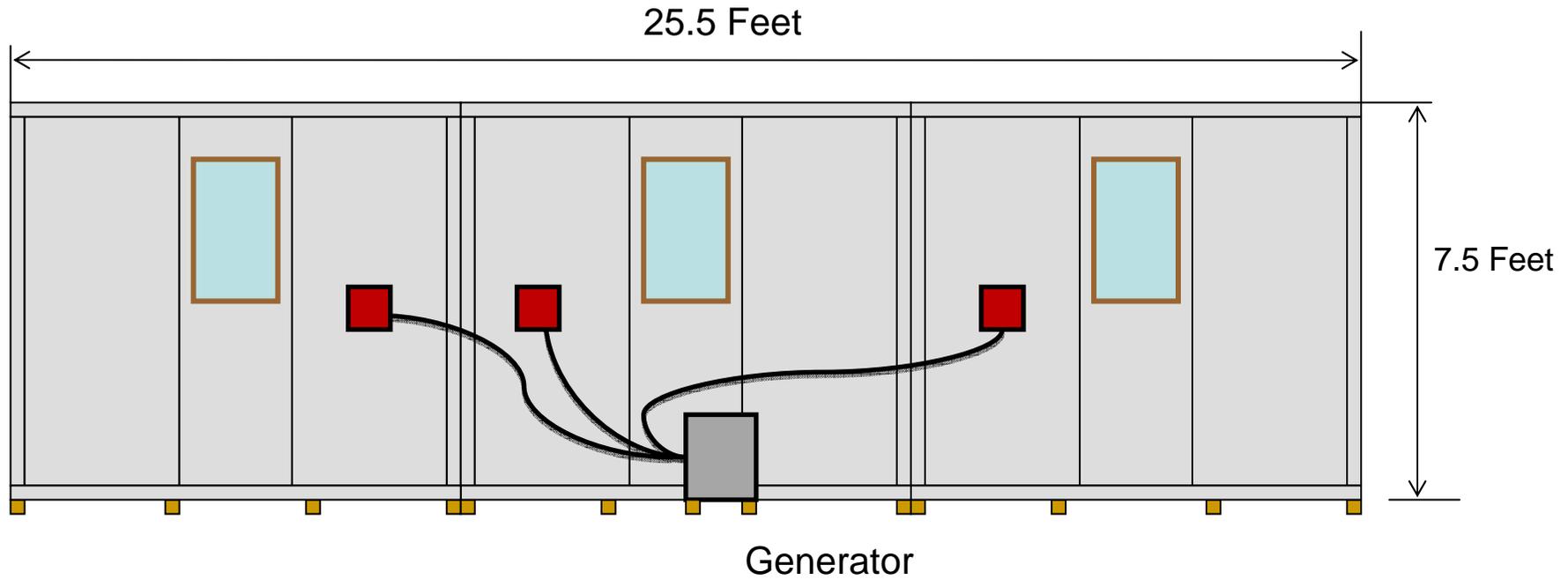
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Triple Unit - Plan View



Greenix 3w Emergency Shelter

Triple Unit - Side Elevation View





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For more information:

Call 1-770-776-6198

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