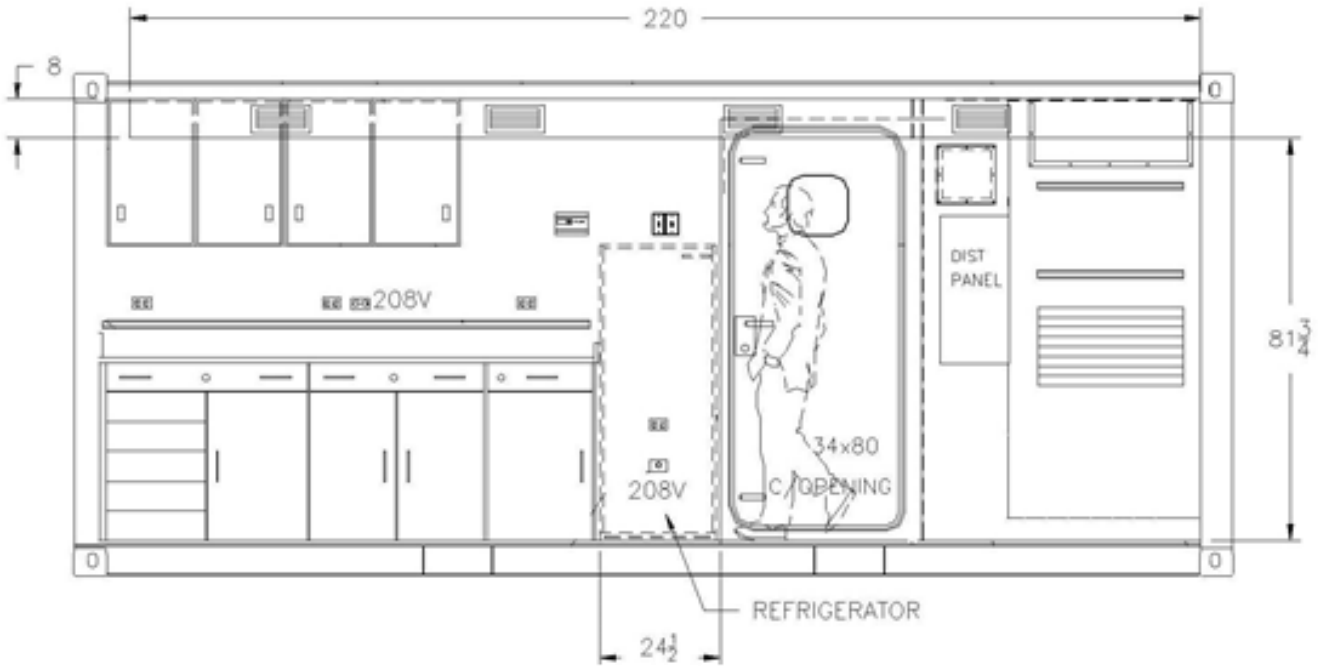
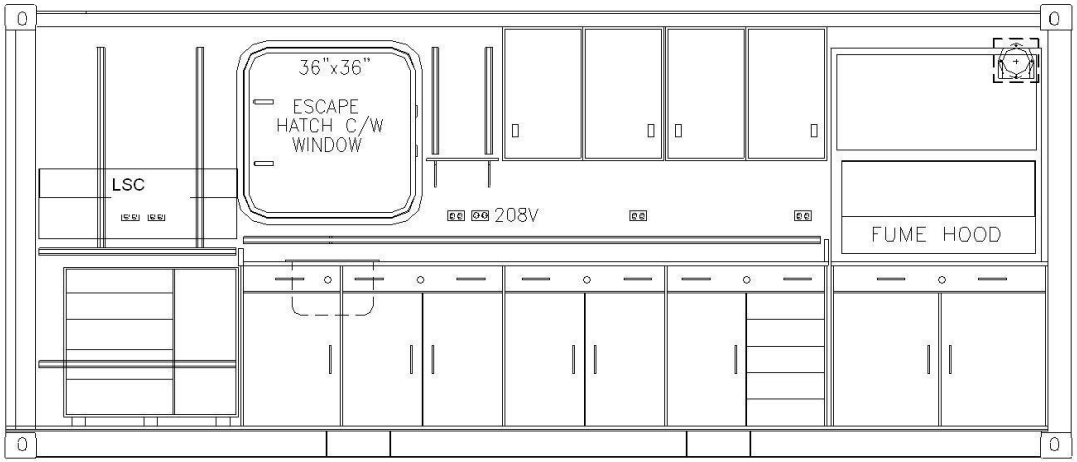
LMG Rad Van #2

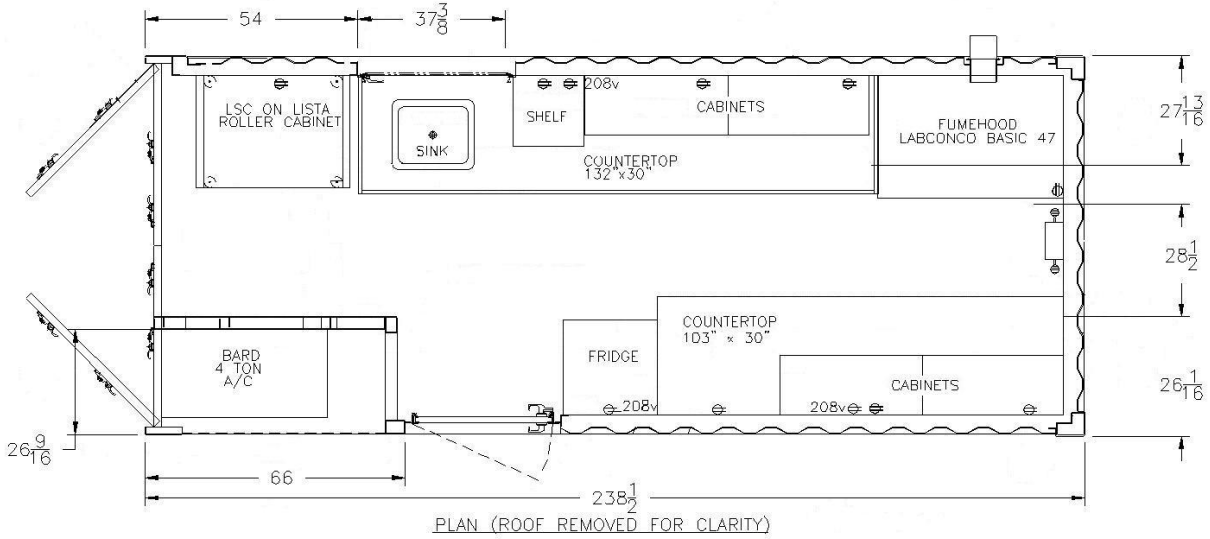


National Science Foundation

Inside Window



Top View



PLAN (ROOF REMOVED FOR CLARITY)

Radioactive materials on board a research vessel pose particular problems not found at inshore laboratories. The USAP vessels provide separate shared-use radioactive laboratories (vans) to control many of the hazards associated with this kind of research. Primarily, these vans are designed to protect the isotope research participants, vessel passengers, crew, the other vessel spaces, and the environment from radioactive contamination. In order to maintain a safe working environment during cruise events research scientists and ASC personnel have a particular obligation to assure the following:

- Careful procedures applied by research participants
- Proper monitoring conducted as a daily routine
- Routine clean up of work spaces
- Records properly maintained and reported

This van has been designated specifically for radioisotope work with Carbon (14C).

LMG Rad Van #2 Principal Features and Technical Information

General

Owner	National Science Foundation
Manufacturer	Sonic Enclosures, LTD.
Purchase Date	2003
Condition	Poor

Specifications

Length Overall	18.33 ft
Width	6.81 ft.
Height	6.81 ft.
Electrical	6 ea. 110 V, 20 amp outlets 3 ea. 208V, 15 amp single phase power
Ventilation	Forced heat & air with 3 in. insulated walls

Installed Fixtures/Equipment

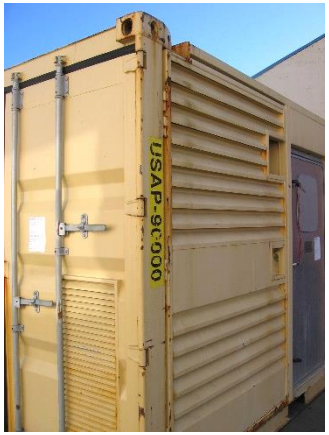
- Perkin Elmer 2910TR Liquid Scintillation Counter
- Standard Non-Removable Lab Furniture (Benches, deep-wall cabinets, etc.)
- Racks for 7ml and 20ml scintillation vials
- 4ft hood capable of 125LFM
- Corrosives Locker
- Freezer/Fridge Combo
- Window/Escape Hatches with Covers
- 30” Personnel Door & Standard double-door for cargo

Function

Radioisotope work with Carbon (14C)

SWAB Results

SWAB results are available at:
https://www.unols.org/documents


USAP-6


SCXU 807685 6
BM 2232
2