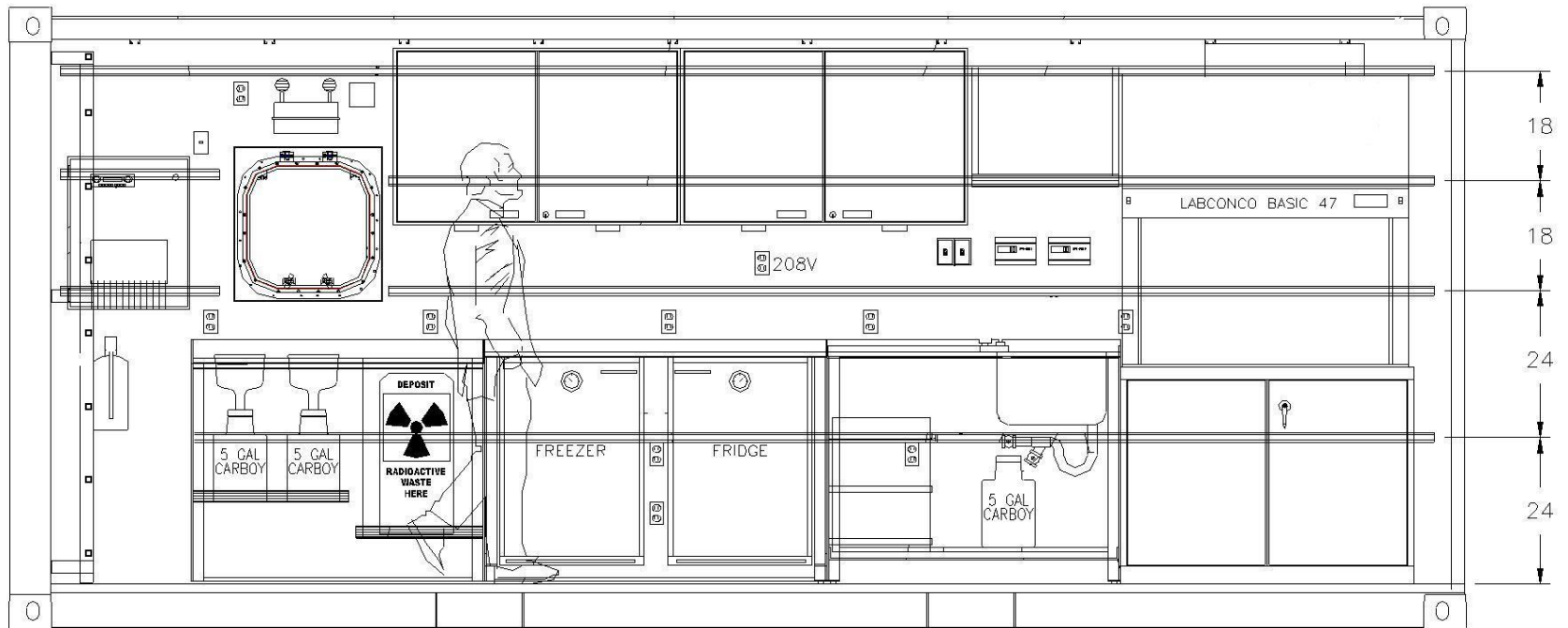


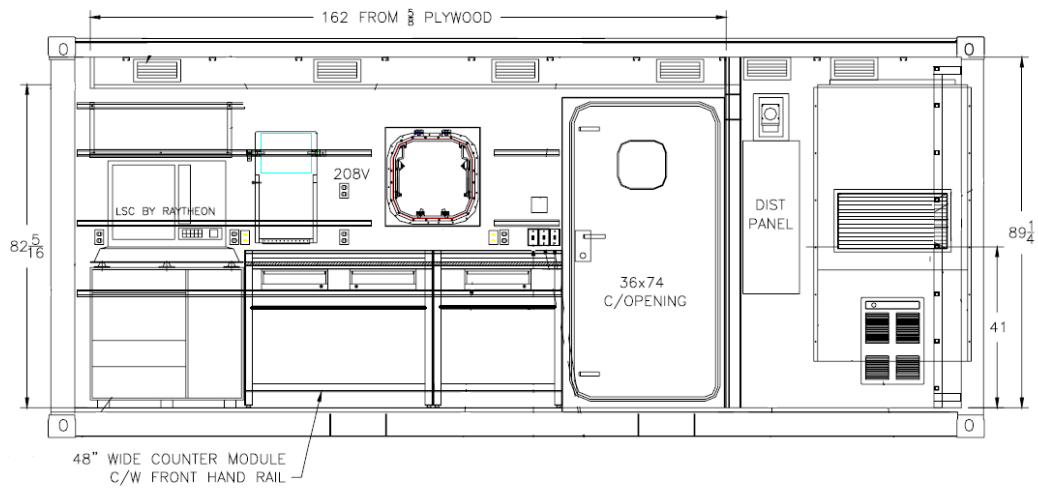
# NBP Rad Van #3



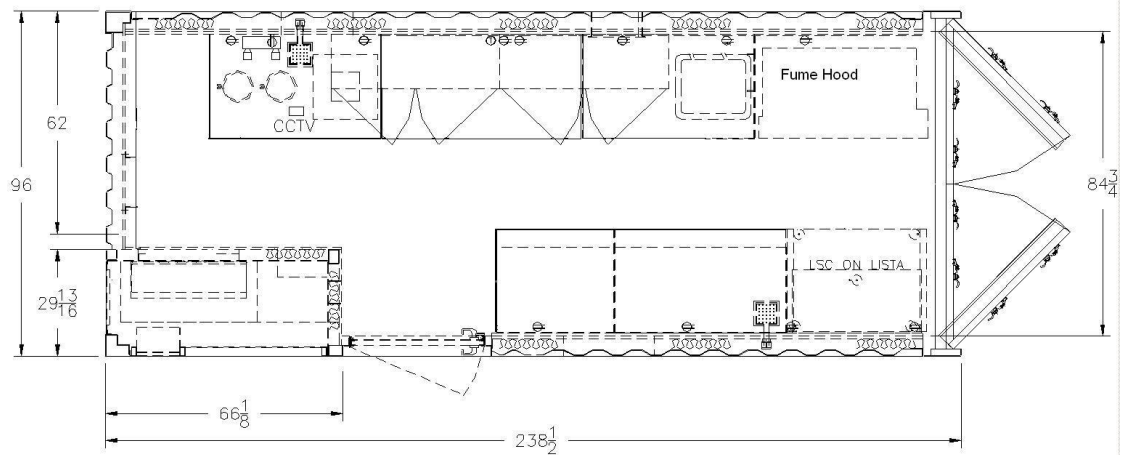
National Science Foundation



# Inside Window



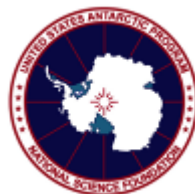
# Top View



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 tritium ( $^3\text{H}$ ).**



## NBP Rad Van #3 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	7 ea. 110 V, 20 amp plugs, 2 ea. 208V, 20 amp single phase slotted plugs and 1 ea. 208V, 20 amp, single phase twist plugs
Ventilation	2.5 tons of A/C, 9 KW of duct heating, 2 KW of floor heat, and 4 KW of wall heat. 3in insulation on walls and flooring.

### Installed Fixtures/Equipment

Perkin Elmer 2910TR Liquid Scintillation Counter
Data, phone, and CCTV to connect to the ship's network systems
Standard Removable Lab Furniture (Benches, cabinets, etc.)
4ft hood capable of 125 LFM (non-removable) with lighting & adjustable sash
Corrosives Locker (non-removable)
Freezer/Fridge Combo
Windows/Escape Hatches with Covers
30" Personnel Door & Standard double-door for cargo

### Function

Radioisotope work with Tritium (3H)

### SWAB Results

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





