



CASE STUDY

RAD selected Whitley Manufacturing as a manufacturing partner for the construction of their TRV vault and clinic space. The challenge was formidable; placing a vault with a pre-commissioned linear accelerator and clinical space on-site in a matter of days. In addition, the TRV is designed for short-term applications and needed to be relocatable.

RELOCATEABLE RADIATION CENTER

KEY ACHIEVEMENTS

45 Days from start to finish

80,000 pounds of concrete saved by vault system

25% More efficient HVAC system

100% Recyclable rear ventilated rain screen

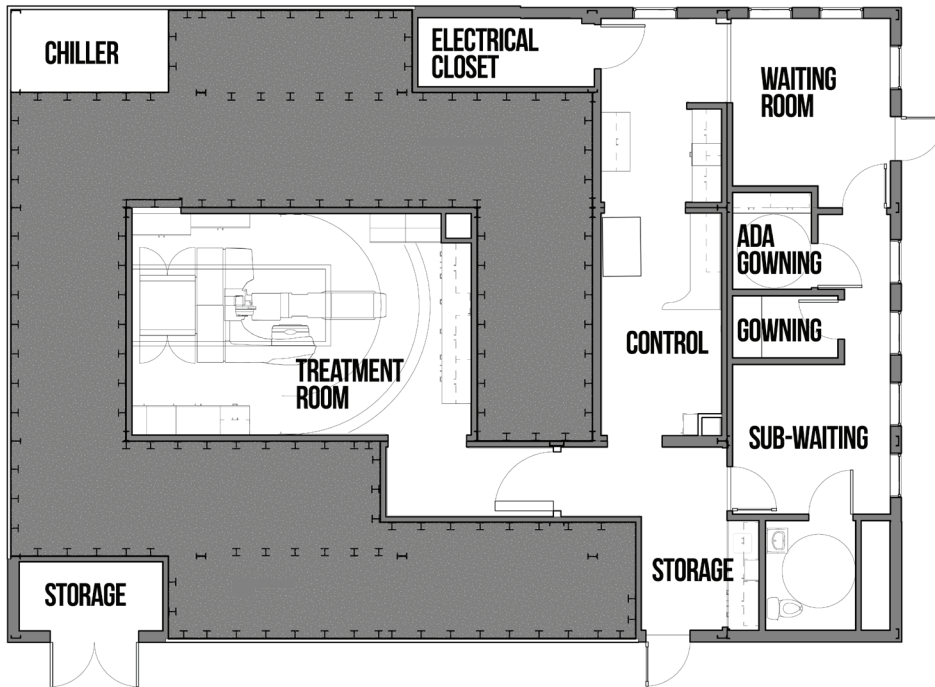
Steel framing consists of 72% recycled material

Designed for future relocation

RAD's specialty foundation system which requires no slab, saved substantial concrete material. The TRV is composed of four primary modules (built off-site by Whitley Mfg) which are transported to the project site and quickly set in place. Prefabricated supporting structures are placed atop the primary modules allowing finishing and equipment installation to take place.

The exterior has a modern, clean look with a wood-grained EcoClad® rain screen system. A large, gracefully curving roof structure protects the shielding areas from rain infiltration, while also providing a unique and contemporary design feature to the building. Interior colors and materials were chosen to create an inviting feel for patients, while also enduring multiple relocations.

RAD temporary radiotherapy vault



“With assistance from RAD, we found a way to blend our need for leading-edge technology, accelerated project delivery, and our commitment to the community and environment in one package.”

- Jim Yates (Admin. Director of Swedish Cancer Institute)



KEY FACTS

PROJECT NAME
TEMPORARY RADIOTHERAPY VAULT

LOCATION
RELOCATABLE

PARTNERS
RAD TECHNOLOGY MEDICAL SYSTEMS
PERKINS + WILL

PROJECT TYPE
RADIOTHERAPY CLINIC

BUILDING SIZE:
1,395 SQ. FT.

UNITS:
2 MODULES; VAULT + CLINIC SPACE