



1. Lead for radiation shielding
1" thick above ceiling
2. Steel structure support for lead, silicon steel
and lifiting eyelets for cyclotron equipment
3. Silicon steel for magnetic shielding
1/8" thick above ceiling
1/2" thick in wall
4. Cyclotron and support equipment
5. 12" thick concrete walls
6. Silicon steel for magnetic shielding
1/8" thick in wall
7. Lead for radiation shielding
1/2" thick in wall
8. Conduits buried within concrete slab for isotope
product transfer
9. New concrete slab with integrated trenches to
run conduits, product transfer lines and cabling
10. New steel structure below slab to support 23-ton
weight of cyclotron
11. Concrete footing and walls filled with flowable
fill for radiation leak protection/ safety measure
12. Completed vault