

	Room	Lead in Partitions (mm)	Lead in Doors & Control Windows (mm)	Lead on Floor Slabs (mm)	Lead on Ceiling Slabs (mm)	Height of Lead in Partitions
1	Radiographic Fluoroscopic Room (Ceiling Mounted X-Ray) Special Procedures Diagnostic and Tele-Fluoroscopy (Ceiling Mounted X-Ray)	1.5mm (3mm for on Partition on Dark Room Side)	1.5 mm (3 mm for Door to Dark Room)	None on 100 mm (min.) Normal Weight Concrete	None	2100 mm (7")
2	Deep Therapy Room: Conventional Cobalt Betatrons Linear Accelerators	Shielding as Determined by a Licensed Physicist				
3	Cystoscopic Room	1.5mm (3mm for on Partition on Dark Room Side)	1.5 mm (3 mm for Door to Dark Room)	None on 100 mm (min.) Normal Weight Concrete	None	2100 mm (7")
4	Animal X-Ray, Animal Research, Radiography and Fluoroscopy	1.5mm (3mm for on Partition on Dark Room Side)	1.5mm (3mm for on Partition on Dark Room Side)	1.5 mm (3 mm for Door to Dark Room)	None on 100 mm (min.) Normal Weight Concrete	None
5	Dental X-Ray Area Oral Surgery Room General Treatment Operatories	1 mm	1 mm	None	None	2100 mm (7")
6	Dental X-Ray Room (Portable 50/65 KVP)	None	None	None	None	None
7	Fluoroscopic Rooms, Vertical or Tilt Type, Gastroenterology (No Radiography)	1.5 mm (No Control Booth Required)	1.5 mm	None on 100 mm (min.) Normal Weight Concrete	None	2100 mm (7")
8	Operating Room Including Animal Operating (Portable X-Ray), Cardiac and Neurosurgical Operating Room (Portable X-Ray)	None (Except 3 mm on Dark Room Side)	None (Except 3 mm on Dark Room Side)	None	None	None
9	Cardiac Catheterization in cardiopulmonary Clinic (Fixed Equipment) Operating Room (Fixed Equipment)	1.5mm (3mm for on Partition on Dark Room Side)	1.5 mm (3 mm for Door to Dark Room)	None on 100 mm (min.) Normal Weight Concrete	None	2100 mm (7")
10	Ultrasound & Thermography	None	None	None	None	None

GENERAL NOTES:

1. ALL RADIOLOGY FACILITY PROJECTS WILL BE REVIEWED BY THE VA HEALTH PHYSICS PROGRAM OFFICE FOR APPROPRIATE APPLICATION OF PROTECTIVE STANDARDS.
- 2.\* LEAD SHIELDING REQUIREMENTS IN PARTITIONS ADJACENT TO, FACING, OR PROXIMITY TO PHOTOGRAPHIC LABS SHOULD BE REVIEWED BY A REGISTERED PHYSICIST.

DETAIL TITLE / LEAD LINING IN X-RAY ROOMS

SCALE : NONE

DATE ISSUED :DECEMBER 2008

CADD DETAIL NO. : SD134900-01.DWG

Department of  
Veterans Affairs

