

FULL LINE OF RADIATION SHIELDING PRODUCTS



Radiation Protection Products (RPP) manufactures a full line of radiation shielding products. They include Lead Lined Doors (solid core wood, lead lined, and steel strapped), Lead Lined Drywall (otherwise known as Lead Lined Sheetrock or Lead Lined Gypsum Wallboard) and Lead Lined Plywood, Leaded X-ray Glass, Lead Lined Frames for borrowed lites and doors, pass boxes and many other lead products.

We also manufacture and install Radiation Therapy Vault Doors (Neutron Doors) and Interlocking Lead Bricks.

Radiation Protection Products uses only the finest quality material and exercises the best quality control possible.

We offer a top quality line of lead shielding products at a competitive price with delivery to satisfy your needs. For additional information concerning RPP's products or services, please contact us toll free at:

888-746-4777 PHONE
866-554-8445 FAX

ALL SHIELDING PRODUCTS PROVIDED MEET THE FOLLOWING SPECIFICATIONS:

Sheet Lead

Sheet Lead shall meet or exceed the Federal Specification QQL-201 F Grade C and ASTM B749-03 Standard Specification for Lead and Lead Alloy Strip, Sheet and Plate Products, see NCRP reports #33, #35, #49 and #147.

Gypsum Board

Gypsum Board shall meet or exceed ASTM C1396, ASTM C840, and Federal Specification SS-L-30D Grade X Type III.

Leaded Glass

Leaded Glass shall meet or exceed Federal Specification DD-G-451.

Radiation Protection Products manufactures all lead shielding products in accordance with Lead Industries Hand Book and all NCRP Applicable Reports (#33, #35, #39, #40, #49 and #147) and NBS, HB. #114.

Cassette Transfer Cabinets

Cassette Transfer Cabinets shall meet or exceed MIL-C-3673 (DM).

Wood and Plastic Laminate Doors

All Wood Doors shall meet or exceed the ANSI/NWMA Industry Standard I.S.I.-80, I.S.I.4-80, NCRP Report #49.

TERMS AND CONDITIONS OF SALES

Prices in U.S. Dollars

Prices are in U.S. dollars, F.O.B. factory, Chapel Hill, Tennessee, unless otherwise specified. Prices, specifications, and terms of sales are subject to change without notice. All orders are subject to review prior to acceptance.

Terms

Net 30 days on established accounts with approved credit. Visa/MasterCard.

Credit

New accounts, pending credit approval, may be immediately expedited by enclosing a check, wire transfer or credit card. To facilitate opening of accounts, please forward your bank and four (4) trade references. Tax-exempt or Resale Certificate required if applicable.

Minimum

Minimum invoice of \$500.00. Orders under \$500.00 may require payment by Visa or MasterCard.

Ordering/Purchasing

Your purchase order or contract is requested on all orders. All orders should be confirmed and clearly marked "Confirmation—Do Not Duplicate."

Shipment

Unless detailed shipping instructions are specified on all orders, we reserve the right to choose the method of transportation and to make partial shipments, if necessary.

Packaging/Set Up Charge

Special packaging quoted as extra. Set up charges may be applicable with certain fabrications.

Returns

Return merchandise will be accepted only with prior written authorization. Freight charges must be prepaid.



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serving the nation's lead needs since 1952 with a full line of radiation shielding products

ARCHITECTS

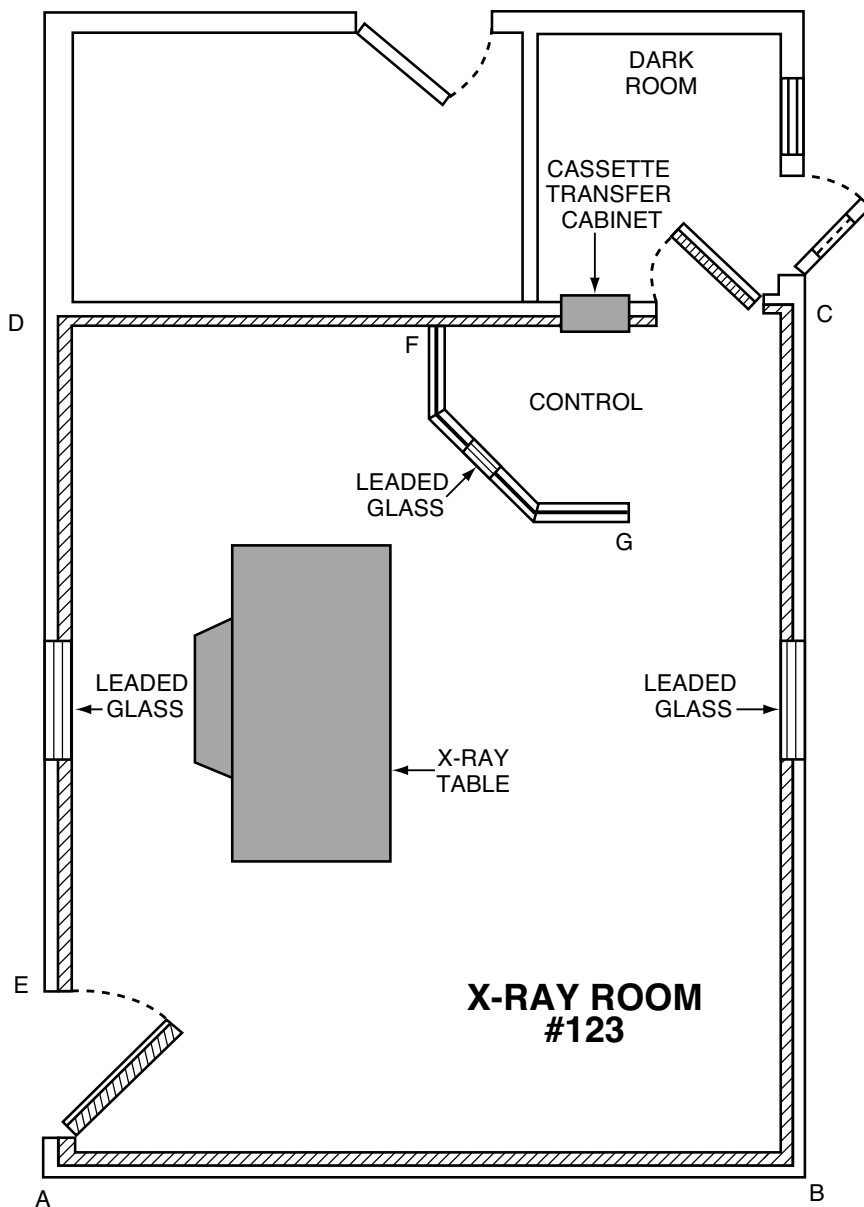
When radiation protection is required, it is extremely important to have the designation for this material documented as clearly as possible on your drawings.

Floor plans specifying lead shielding requirements are the most concise method of designating material desired (see example on right).

To further simplify and clarify your radiation shielding requirements, and to eliminate confusion during installation, lead requirements should be specified in increments of .5mm (1/64") for all practical purposes, with a minimum thickness of .8mm (1/32"). Upon receiving the Physicist report for shielding requirements, always round up to the .5mm thickness.

Consideration should also be given to having only one manufacturer of radiation protection material. This way there is a single firm responsible for any questions that may arise concerning radiation protection.

Radiation Protection Products, Inc., as a manufacturer, has the capabilities to manufacture any and all radiation protection products which may be required. With materials specified "as manufactured by Radiation Protection Products, Inc.," you are assured of the best possible job coordination and that you are dealing with a major producer of radiation shielding material.



RADIATION PROTECTION SCHEDULE X-Ray Room #123



LEAD LINED
PARTITIONS

A-B	_____	MM	_____	Height
B-C	_____	MM	_____	Height
C-F	_____	MM	_____	Height
F-D	_____	MM	_____	Height
D-E	_____	MM	_____	Height
E-A	_____	MM	_____	Height
F-G	_____	MM	_____	Height



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RADIATION SHIELDING SWINGING NEUTRON DOORS

SWING DOOR SYSTEM

RPP's swing radiation shielding doors (neutron doors) are constructed with 1/4" thick A-36 steel face plates. A-36 steel flat bars are used for the stiles and the reinforcement inside the door. Flat bar thicknesses for the stiles and reinforcement are dictated by the core of the door. The core of the door will consist of the shielding requirements (typically lead and borated polyethylene) as determined by a licensed physicist. We can also design the door with extra space inside for future upgrades which may require more shielding. The door finish is completed in the factory with a paint grade primer. RPP offers safety features for radiation shielding doors (neutron doors) such as motion sensors, pressure sensitive tape, and battery backup.

Our RPP designed frames for neutron swing door systems are constructed with 1/4" thick A-36 steel. Five gussets at 1/4" thick and five pieces of bent flat bar steel at 1/2" thick are welded to the jambs. This reinforcement ensures longevity for the radiation shielding door (neutron door) and prevents misalignment between each of the hinges. The gussets have a dowel system to allow the concrete to set securely to the frame when poured. This RPP designed framing system is the most durable available.

RPP's automatic openers for radiation shielding doors (neutron doors) are the most reliable and well-built in the industry. Our vendor's vast experience of what works, and what does not, is based upon years of field experience. The 1502 series electric operators are specifically designed to eliminate the problems that other manufacturers have had with their designs. The units are built with the very best industrial components on the market today. Specific issues like output shaft failure, limit switch sensitivity, torque output, torque output control, operator mechanical drive protection, and door inertia control are all diminished or eliminated by design. The electric operators require a 120 VAC power source that we convert to 90 VDC. The advantage of DC is that we can better control the operation of the door operator. RPP will make final adjustments to the door but all conduit work and electrical work will be completed by others.

RPP's radiation shielding doors (neutron doors) and door frames are customizable to meet both your new construction requirements and your retrofit requirements.

For frames set in concrete, the frames will be shipped to the job site with detailed specifications to be installed by an independent contractor. Retrofit frames will be installed by RPP.



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PARTIAL LIST OF JOBS FURNISHED BY RPP

JOB	LOCATION	CONTRACTOR
Bay Care Med Center	Green Bay, WI	M.A. Mortenson Co.
Montgomery General Hospital	Olney, MD	H.B.E. Co.
Cleveland Clinic	Wooster, OH	Marshall Erdman
Fort Defiance Health Care	Fort Defiance, AZ	Border Glass & Aluminum Empire Lath & Plaster Flintco Construction
Elmdorf Air Force Base	Anchorage, AK	M.A. Mortenson
Mayo Clinic	Rochester, MN	Mulachy Drywall
Mayo Clinic	Rochester, MN	M.A. Mortenson
Mayo Clinic	Rochester, MN	Weis Builders
Hazardous Devices School	Redstone Arsenal, AL	
Travis Air Force Base	Travis AFB, CA	Newberg-Brinderson
Montefiore Medical Center	Bronx, NY	Nastasi & Associates Turner Construction
V.A. Medical Hospital	Minneapolis, MN	M.A. Mortenson Co.
Regional Medical Center	Fayetteville, AR	VVP America Inc. dba Binswanger Glass
GE Test Cells	Waukesha, WI	Olympic Wall Systems
Cessna Airlines	Wichita, KS	
Northwest Airlines	Minneapolis, MN	
Phillips Medical Systems	Scarborough, OH	
Syncor	Hicksville, NY	
U.S.L.E. Base	Sand Island, HI	Paglia Engineering
Smith Hospital	Valdosta, GA	Brasfield & Gorri
V.A. Hospital	Ann Arbor, MI	P.J. Dick
McMinnville Community Hospital	McMinnville, OR	McDevitt Street Bovis
Mary Washington Hospital	Fredricksburg, VA	Centex Rodgers



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