

Radiation Therapy Sliding Door System

Fast Facts

Product	Sliding Door System
Room Usage	Low & High Energy Linear Accelerator Vaults, I.M.R.T., Gamma Knife, Proton Therapy, Cyber-Knife
Dimensions	Standard doors are 66" wide x 92" high (custom sizes available)
Construction	1/2" minimum steel face plates, steel flat bar stiles and rails, and shielding core as required.
Operating System	Automatic opener, 110 volt electric screw drive system
Support	Steel beams, columns, or embedment
Linear Motion	NELCO Roller Way Dual Rail motion system
Finish	Factory prime (others available)

Description

The NELCO sliding door system is designed, manufactured, and installed to meet the demanding requirements of Radiation Therapy departments. These doors can be used as part of a new vault construction or an upgrade to existing rooms. Support in existing facilities can be provided by installed steel columns and beams, or in new construction by concrete embedments.

The standard sliding door system includes a steel faced door with required shielding materials, support and rail system, operating system, door safety features, and installation.

Our standard installation package includes shipment of all components to the facility, installation of the door and operating systems, and onsite. NELCO has the largest installed base of shielded therapy doors in North America, with service offices, including experienced operator technicians, located throughout the United States. Installation crews are trained to meet the highest quality assurance standards in the industry, managing each project with the strictest adherence for NELCO's health and safety practices and procedures.

WWW.NELCO-USA.COM
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BENEFITS

Space savings

eliminates need for mazes and their construction costs

Productivity savings

maze elimination increases patient throughput

Easy access

equipment changes can be made quicker and easier

Highest safety standards

features such as battery back-up, reversing edges, electric eyes provide ultimate patient and staff safety

Available turn-key system

NELCO can provide complete turn-key services for any radiation therapy project



Sliding Door System

Technical Specifications & Features

Safety Features

Partial Open Features

Includes on 4-button station outside the linac vault sequenced at push to open/close/stop/partial. The interior set has a 2-button station sequenced at push to open/stop.

Presence Sensor Features

Installed on the inside of the treatment vault overhead. When the treatment room door is not in the full open or full closed position, the sensor will detect any object or person passing through the presence area and send a signal to the door operator to prevent the door from opening or closing.

Pressure Sensitive Tape Switches

Supplied and installed on each side of the door system in a T-Shape, i.e. one horizontal strip, one vertical strip. If more than 8 oz. of pressure is detected, the device will send a signal to the door operator to either stop the door, or stop and reverse the door.

Battery Back-up

Allows the door to be opened in the event of a power failure. The system includes a float charger to provide a trickle charge to the battery. All components are installed under the cover of the door operator with the exception of the end of the travel switch. To open a door in a power failure, the press to open button acts as a momentary contact switch. As long as the button is depressed, the door will continue to open.

Preventative Maintenance Service Contracts

Available upon request

TECHNICAL SPECIFICATIONS

<i>Overall Dimensions</i>	92"H x 66"W x 24" Th. (custom sizes available)
<i>Internal Clearance</i>	51" wide x 86" tall (Typical)
<i>Manufacturing</i>	1" steel rails, 3/4" stiles, 1/2" A-36 steel faceplates, specified shielding materials
<i>Support</i>	6" x 10" x 1/2" tube steel columns, 24" x 146" support beam (Typical)
<i>Operating System</i>	Automatic door operator
<i>Door Speed</i>	20 seconds (Typical for full open)
<i>Exterior Finish</i>	Factory primed
<i>Compliance</i>	Meets all regulatory, safety compliance requirements

Other details regarding manufacturing, materials, installation requirements, structural specifications, custom options, financing, physics, or regulatory, etc., can be obtained from your NELCO representative.

Lists of installed references can be available upon request.

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