

Element F	Special Construction and Demolition
Special Construction	F1032 Radiation Protection

PART 1 - GENERAL

1.01 OVERVIEW

- A. This Section includes shielding and vibration protection.

PART 2 - DESIGN CRITERIA

2.01 GENERAL

- A. Provide shielding systems for magnetic field and electro-magnetic fields as required by equipment manufacturers to protect building occupants and equipment.
- B. Radiation shielding design:
1. Shielding for radiation therapy imaging, and nuclear medicine shall be designed by a medical physicist licensed in therapeutic radiological physics or medical health physics.
 2. The physicist(s) of record for all shielding shall be licensed in Texas.
- C. Shielding designs will be reviewed and approved by Owner's physicists.
- D. Magnetic and electromagnetic shielding shall be designed by equipment and/or shielding vendor.
- E. Provide vibration isolation tables or other devices as required.
- F. Where rooms requiring shielding share a common wall, provide wall construction consisting of a double row of studs with shielding located in the center, between rows. Provide in-wall utilities separately to each room, without penetrating the shielding layer.
- G. All penetrations into the RF cage shall be routed through a filter panel and filters developed in conjunction with the RF cage manufacturer. All RF cage penetrations, whether by Owner or Contractor, shall be addressed and approved by the cage manufacturer.

Element F	Special Construction and Demolition
Special Construction	F1032 Radiation Protection

PART 3 - DOCUMENT REVISION HISTORY

Issue	Date	Revision Description	Reviser
	20190301	Original Issuance	
Rev. 1			
Rev. 2			
Rev. 3			
Rev. 4			
Rev. 5			

END OF ELEMENT F1032