

HOSPITAL STANDARDS

203.601 BUILDING COMPONENTS, SPECIAL CONSTRUCTION AND DEMOLITION, SPECIAL CONSTRUCTION

This document contains requirements for special construction elements for a hospital building and is in alignment with the UniFormat II, Level 2 classification – F10. The document is subdivided into the following parts per the UniFormat II, Level 3 classifications.

UNIFORMAT II classification					MoP Document Number	
Level 1 Major Elements		Level 2 Group Elements		Level 3 Individual Elements		
F	Special Construction and Demolition	F10	Special Construction	F1010	Special Structures	203.601
				F1020	Integrated Construction	
				F1030	Special Construction Systems	
				F1032	Radiation Protection	
				F1040	Special Facilities	
				F1050	Special Controls and Instrumentation	

[ELEMENT F1032, RADIATION PROTECTION](#). Includes general design requirements for radiation protection. Specific items of note include:

1. Coordination with Physicist
2. Coordination with BJC Clinical Asset Management
3. Document coordination requirements

ELEMENT F1032, RADIATION PROTECTION

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PART 1 - GENERAL**1.01 OVERVIEW**

- A. Includes requirements for shielding in hospitals.

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. Magnetic and electromagnetic shielding shall be designed by equipment and/or shielding vendor.
- B. Provide shielding systems for radiation shielding including but not limited to radiation therapy, imaging and nuclear medicine as required to protect building occupants and equipment. Shielding design requirements shall be prepared by a Physicist licensed in the state of the project's location. Physicist will be provided by BJC HealthCare unless otherwise directed.

PART 3 - SPECIAL CONTRACT DOCUMENT REQUIREMENTS**3.01 GENERAL**

- A. Architect and engineers shall review the shielding requirements (equipment requirements and physicist report) and include the proper design, detailing and specification requirements in the documents.
- B. Architect shall include the Physicist report in the contract document set (Division 00, 00 31 00, Available Project Information).
- C. Design team is responsible to provide all necessary shielding drawings and details including but not limited to door jambs/heads/sills, window jambs/heads/sills, electrical/data boxes, ceilings/wall details, utility penetrations, etc.
- D. Technical specifications shall be prepared to reflect the shielding design requirements.

PART 4 - PRODUCTS

4.01 GENERAL

- A. Not applicable.

End of F1032 – Radiation Protection

END OF DOCUMENT 203.601

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RESPONSIBILITY MATRIX

The following matrix identifies those individuals, roles or departments responsible for maintaining the accuracy of the information and those responsible for providing input. Refer to Preface for detailed explanation.

	BJC HealthCare													Hospital/Entity				
	PD&C						Clinical Asset Management (CAM)	Risk Management	Real Estate	Ergonomics	Infection Prevention (IP)	Info Systems, Data, Telecom (IS)	Other:	Standards Review Committee	Facilities Engineering	Housekeeping	Security	Other:
	Corporate Architect	Corporate Engineer	Director of Planning	Director of Design	Director of Construction	Other:												
Primary Authorship	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Secondary Authorship	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

DOCUMENT REVISION HISTORY

The following table indicates the date the document originated and any subsequent revisions.

203.601 – Special Construction and Demolition, Special Construction		
Issue	Description of Issue	Prepared by
2012 v1	Original Issue	G. Zipfel
2012 v2	Miscellaneous Review/Clarifications	G. Zipfel/B. Temple
2016 v1	reissued	G. Zipfel
2018 v1	Renamed as 203.601	G. Zipfel