

	Program Stage	Conceptual Stage	Schematic Document Stage	Design Development Stage	Contract Document Stage
Description	number of units, apply standard square footage to calculate gross space needs	floor plan development identifying space needs and orientation	floor plan depicts room dimensions, door locations, hallways	obtain radiology manufacturer's detailed drawings to establish design parameters	coordination of building infrastructure to manufacturer's equipment needs
Example	(2) digital rad rooms (1) CT scan	adjacency requirements between existing radiology and ED expansion for efficient travel routes	room configuration developed for technican booth, equipment rooms, door size requirements	mechanical (cooling) and electrical/power requirements of the radiology equipment selected	details such as overhead support requirements for the gantry and monitors

**Figure 11.19.** Design stages for radiology installation in ER. (From John Anania, DPR Construction. Used with permission.)

From *Managing Health Services Organizations and Systems* (6th ed., Longest & Darr). Health Professions Press, Inc. All rights reserved. Permission for figure/table access granted for course use only. Permission required for all other uses (see caption above).