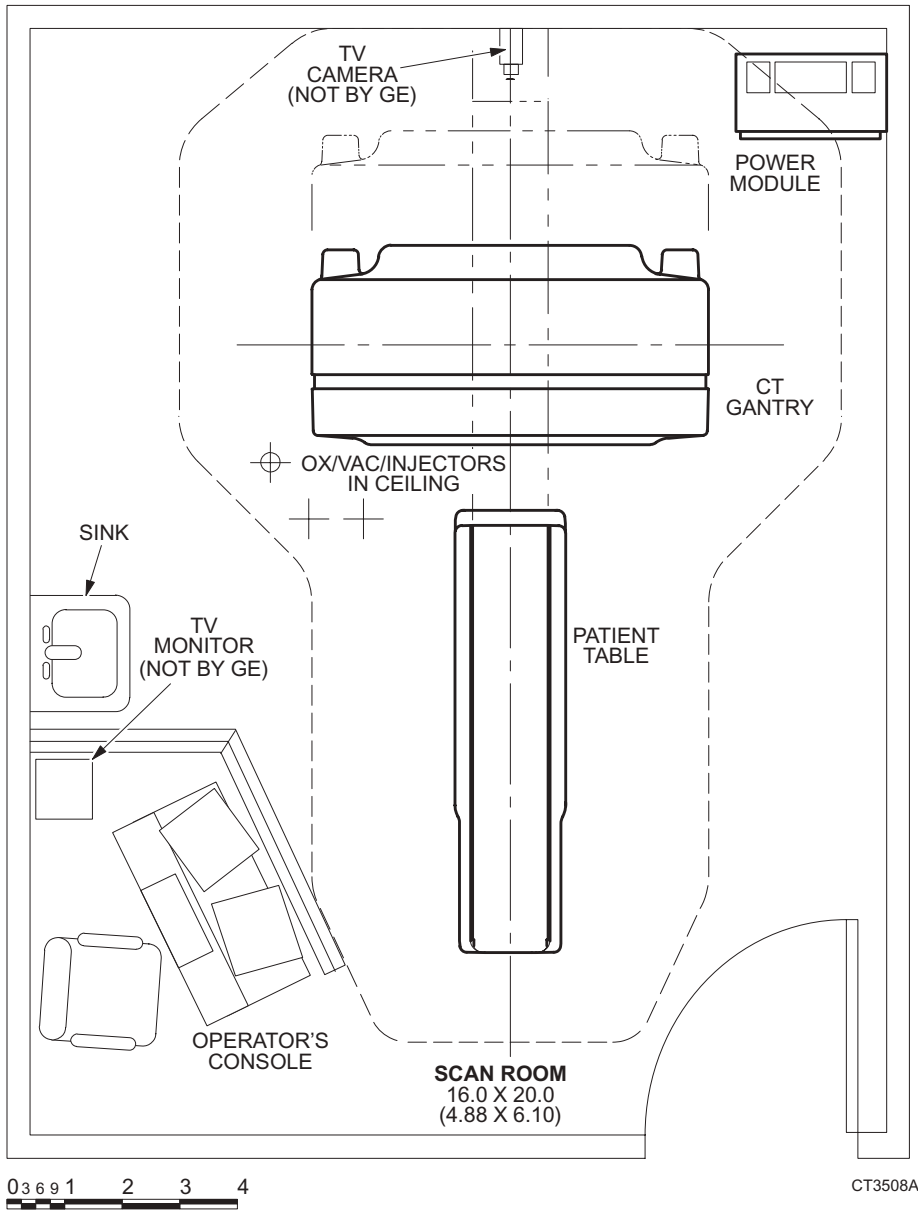


Illustration 1–3  
MINIMUM ROOM LAYOUT



### 3.2 Radiation Protection

Scanner-room shielding requirements should be reviewed by a qualified radiological health physicist taking into consideration equipment placement, weekly projected workloads, and materials used for construction of walls, floors, ceiling, doors, and windows.

Illustration 1–4 and Illustration 1–5 depict measurable levels within the scanning room while scanning a 48 cm low-density polypropylene phantom (body) and a 25 cm water phantom (head) with the technique shown.

Note 2

*All measurements have an accuracy of  $\pm 20\%$  because of measurement equipment, technique, and system-to-system variation.*

Use correction factors of Table 1–2 to adjust exposure levels to the usual scan technique at your site.