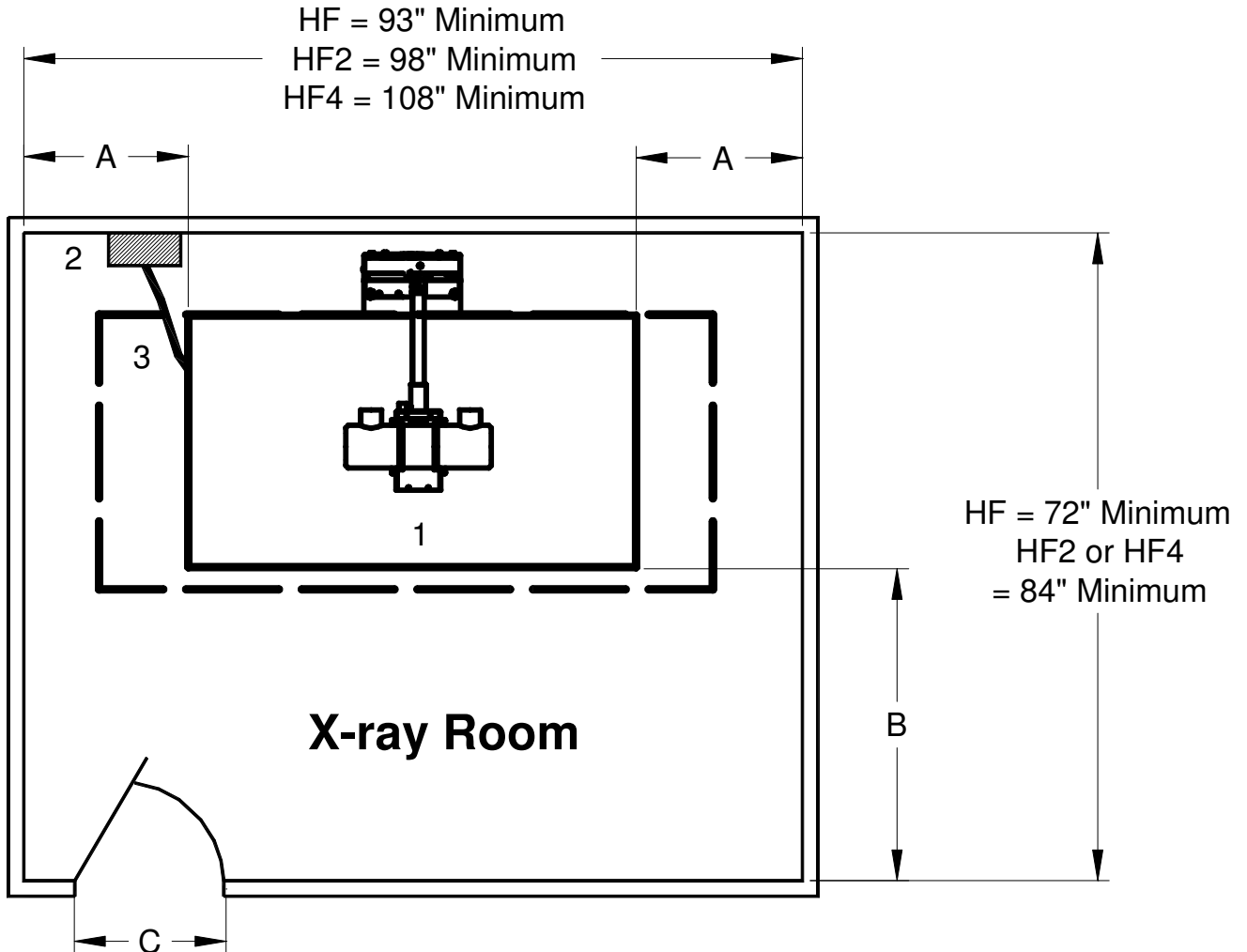


SOUND X-RAY SYSTEM PRE-INSTALLATION GUIDE

SPACE REQUIREMENTS:

Minimum Room Size:

(Does not meet ADA requirements)

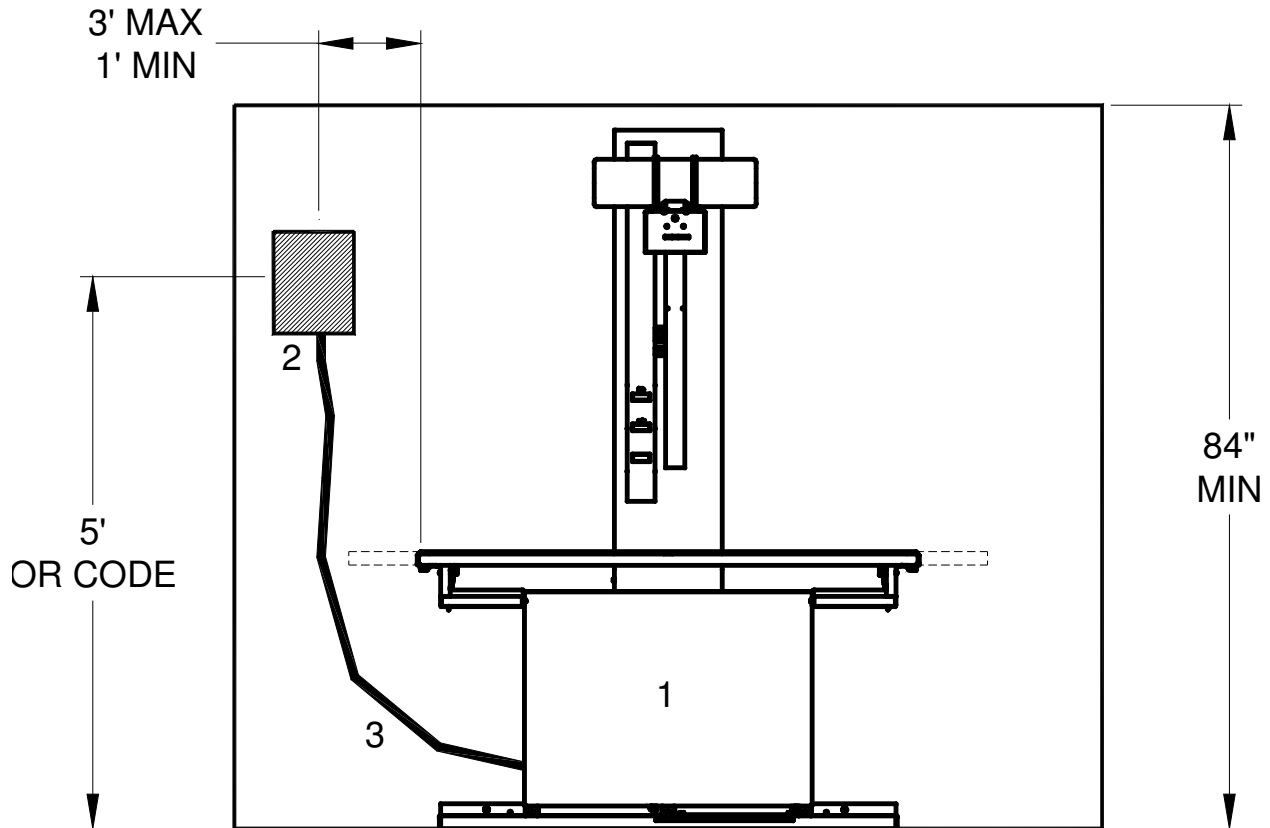


Legend:

ITEM	DESCRIPTION	WIDE	DEEP	HIGH	LBS.
1	HF System - Stationary Table Top: 53" x 24"	53"	29"	82.5"	350
	HF2 System - 2-Way Float Table Top: 58" x 32"	58"	45"	82.5"	400
	HF4 System - 4-Way Float Table Top: 67" x 32"	75"	45"	82.5"	420
2	Safety Disconnect Switch (provided by others) - see Page 2 for details				
3	Flexible Cable – included with system see Page 2 for details				

- A. Recommended 20" minimum space at each end of table for operator access.
- B. Recommended 36" minimum in front of table for operator access & patient transfer.
- C. Minimum opening: HF = 26", HF2 or HF4 = 34"

SOUND X-RAY SYSTEM PRE-INSTALLATION GUIDE



ELECTRICAL REQUIREMENTS:

X-ray Generator:

- a) Requires **1 Phase**, three wire service (hot, hot, ground or hot, neutral, ground). Neutral not required. **COPPER wire only**.
- b) Requires a surface mounted Safety Disconnect Switch as follows:
 - 1) adequate capacity (see requirements below) to serve as a disconnecting means for the Generator Power Module, and clearly marked.
 - 2) appropriate fuses or circuit breaker.
 - 3) requires a true earth grounding wire going back to the main panel.
 - 4) mounted as shown in above diagram.
 - 5) 1" cable clamp at bottom with empty #6 ground lug.
 - 6) permanent electrical service is on.

If available Line Voltage is:	Required minimum rating * of over-current protection & Safety Disconnect Switch
1 phase, 230 - 240 VAC	100 Amps
1 phase, 220 - 229 VAC	115 Amps
1 phase, 208 - 219 VAC	125 Amps

* Minimum rating for full 30kW x-ray output. If the available Amps are less than required, the x-ray generator may work, however the x-ray output will be less than the full 30kW output.

SOUND X-RAY SYSTEM PRE-INSTALLATION GUIDE

- c) Recommended COPPER wire size from building's main incoming electrical panel to Safety Disconnect Switch in x-ray room:
 - # 2 AWG minimum for 0' – 50'
 - # 00 (2/0) AWG minimum for 51' – 100'
 - 250 MCM for 101' – 200'
- d) Flexible Electrical Cable (about 1" diameter) with three # 6 wires, 8' long, is provided with the system for connection thru bottom of Safety Disconnect Switch by Installer.
- e) Note: If local regulations require a different wire size or type, it is the customer's responsibility to provide the required items.

MOUNTING REQUIREMENTS:

X-ray Table: Requires finished floor. Table to be fastened to floor by Installer. Fasteners provided by others.

X-ray Room: Provided by others:

1. Radiation protection is installed per local requirement. May require shielding report from licensed radiation physicist.
2. Final paint is on the walls and ceiling.
3. If ceiling is suspended tile, it is installed.
4. Door to x-ray room is installed.
5. Floor covering is installed and able to be walked on.
6. Light fixtures and electrical outlets are installed and working.
7. All cabinets, molding and fixtures are installed.
8. There is unobstructed access to the room. Building climate controls are operational.

Important Note: If the installation engineer arrives and determines that the site is not ready, the customer will be responsible for the additional cost to send the installation engineer again once the site is ready.

OTHER INFORMATION:

If a Clinic takes twelve (12) x-ray exposures per (8-hour) day (average clinic) and system is in idle approximately 8 hours per day:

- Heat Output: 609 BTU per hour
- Electrical Energy Consumption in idle and with x-ray exposures: 150 Watts per day.
(Equivalent to a 150 Watt light bulb on for 8 hours)
- Electrical Energy Consumption in idle and without x-ray exposures: 120 Watts/day.