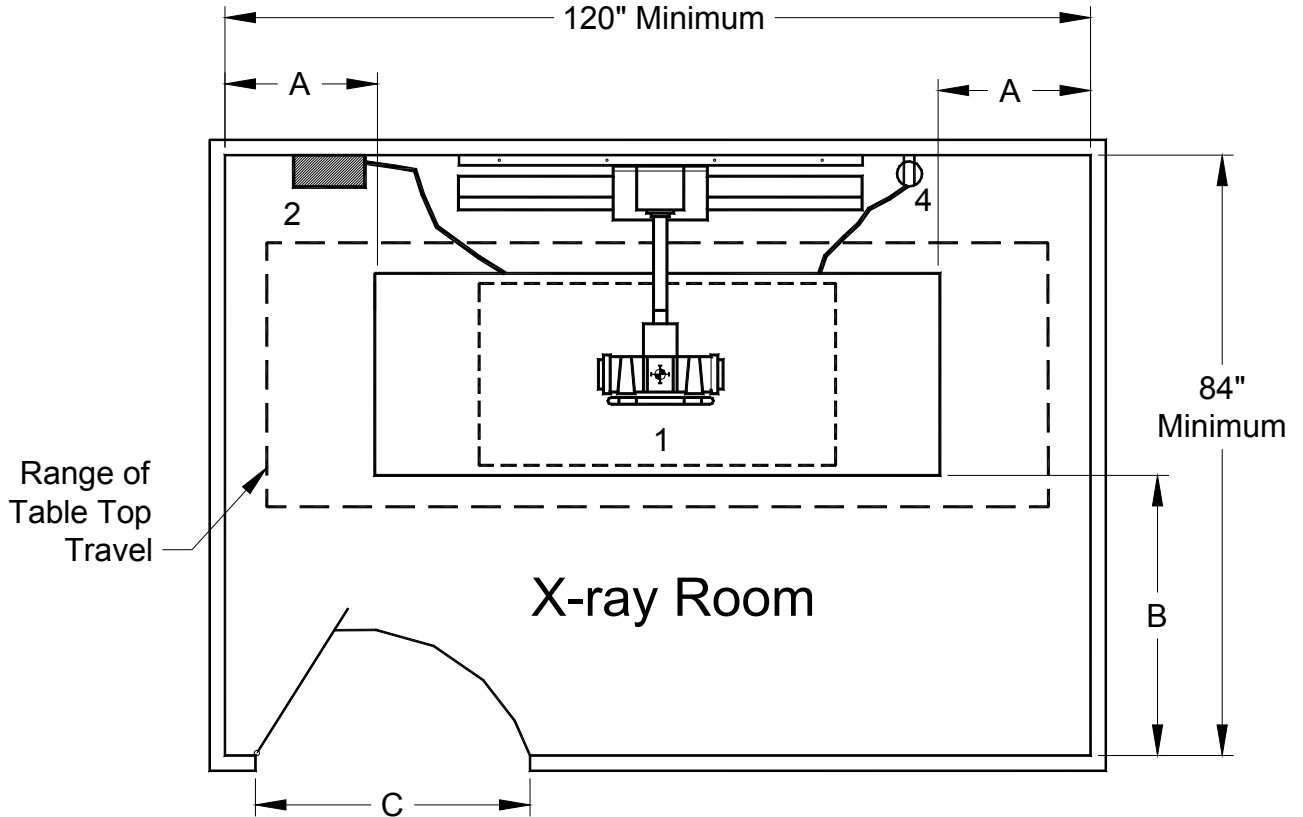


### SPACE REQUIREMENTS:

#### Minimum Room Size

(Does not meet ADA requirements)

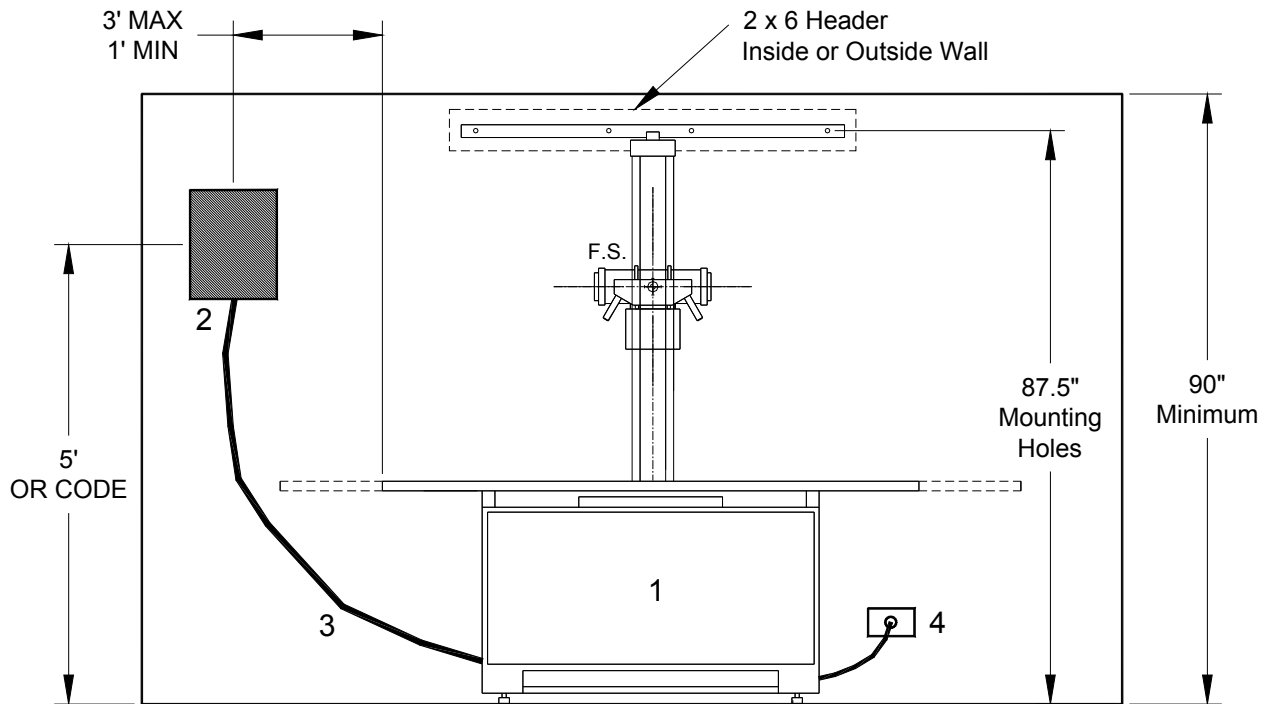


### Legend:

ITEM	DESCRIPTION	WIDE	DEEP	HIGH	LBS.
1	Float Top Table with internal x-ray generator	76"	47"	88"	700
2	Safety Disconnect Switch (provided by others) - see Page 2 for details				
3	Flexible Cable – included with system see Page 2 for details				
4	Electrical outlet, 1 phase, 120 VAC, 15 Amp (provided by others)				

### SPACE REQUIREMENTS:

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



### **ELECTRICAL REQUIREMENTS:**

#### ***X-ray Generator:***

a) Requires **1 Phase**, three wire service ( hot, hot, 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.

<b>If available Line Voltage is:</b>	<b>Minimum rating* of over-current protection &amp; Safety Disconnect Switch</b>	<b>Requires added option:</b>
1 phase, 230-240 VAC	100 Amps	None
1 phase, 208-229 VAC	125 Amps	08168-001

\* 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.

c) Recommended **Copper** wire sizes:

Generator Type			Building Dist. Transformer	Recommended minimum line AWG of power and earth wires <b>Copper wire only</b> , Maximum voltage drop 5% @ maximum exposure load Length between the building's main incoming electrical panel and the service disconnect switch in the X-ray room									
kW	PH	VAC	kVA	25ft	50ft	75ft	100ft	125ft	150ft	175ft	200ft	250ft	300ft
30	1	240	60	6	4	2	1	0	00	000	000	0000	250 <sup>2</sup>
	1	208	60	6	4	2	1	0	00	000	000	0000	250 <sup>2</sup>

d) Flexible Electrical Cable (about 1" diameter) with three # 6 wires (hot, hot, ground), 8' long, is provided with the system for connection thru bottom of Safety Disconnect Switch by Installer. 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. To be mounted by Installer.

**X-ray Tubestand:** Requires finished wall with recommended header. If a header board is not used, the wall rail must be bolted to wooden wall studs for sufficient holding force. Each bolt must be capable of a minimum of 500 pounds pull-out force.

**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. Summit Industries will not guarantee date availability.

Summit Industries is not responsible for the costs to relocate the safety disconnect.

### **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.