

XR5

NEW GENERATION DIGITAL RADIOGRAPHY SYSTEM



Key Benefits of XR5

- 14"x17" or 17"x17" in CsI wireless detector
- 17"x17" wired CsI detector
- Fixed Height 4-way floating table top
- Elevating patient table with 4-way floating table top
- Wall Bucky stand for vertical examinations
- Charging Buckys for 17"x17" wireless detector (option)
- Digital display control system with touch screen
- Digital measurement of SID and tube rotation angle

The XR5 is a floor-mounted digital radiography system with an integrated tube/wall stand. Its cost-effective, space-saving and workflow optimized design based on new generation DR technology makes it ideal for everyday imaging needs. It comes with user-friendly AI-based software capabilities, state-of-the-art detector technology and a unique image stitching feature based on advanced anatomy recognizing algorithms, producing excellent image quality at low radiation dose.

Floor Mounted Tube Stand

Rail length	91.18 in (2316 mm)
Tube stand longitudinal travel	78.74 in (2000 mm)
Tube head forward/backward travel	± 4.72 in (± 120 mm)
Tube vertical travel	58.2 in (1480 mm)
Tube head rotation	± 135°
Tube stand rotation	± 90°
Operation control screen panel	Touch screen LCD Panel
Operation control screen panel size	4.25 in (108 mm)
Tube head minimum height	15.75 in (400 mm)
Tube head maximum height	74.40 in (1890 mm)
Tube stand total height	76.30 in (1940 mm)
Power requirements	24 VAC, 3A



Patient Table

	Fixed height 4-way floating	Elevating 4-way floating
Table height	25.78 in (655 mm)	20.27 in (515 mm) to 32.08 in (815 mm)
Patient load capacity	661 lbs (300 kg)	661 lbs (300 kg) at highest table height of 32.08 in
Longitudinal tabletop movement	22.80 in (580 mm)	
Transversal tabletop movement	8.26 in (210 mm)	
Total bucky travel	28.58 in (726 mm)	
Tabletop length	86.61 in (2200 mm), optional short tabletop is 74.01 in (1800 mm)	
Tabletop width	31.73 in (806 mm)	
Bucky type	· Cassette tray with moving reciprocating grid · DR bucky for 17"x17" fixed detector · Charging bucky for 17"x17" wireless detector	
Grid & Grid Cabinet	103LPI, 215L, 230LPI, 10:1 ratio, Grid Cabinet-17"x17"	
Power requirements	100- 240 VAC 50/60 Hz	

Wall Bucky Stand

Bucky minimum height	15.75 in (400 mm)
Bucky maximum height	74.40 in (1890 mm)
Bucky vertical movement	58.66 in (1490 mm)
Wall stand total height	78.07 in (1983 mm)
Bucky type	· Cassette tray with moving reciprocating grid · DR bucky for 17"x17" fixed detector · Charging bucky for 17"x17" wireless detector
Grid & Grid Cabinet	103LPI, 215L, 230LPI, 10:1 ratio, Grid Cabinet-17"x17"
Power requirements	24 VAC, 1A

Magnetic Charging for 17"x17" Wireless Detector only



High Frequency Generator

Output Power	32 kW	40 kW	50 kW	65 kW	80 kW
Max, high Frequency Output	450 kHz	450 kHz	450 kHz	450 kHz	450 kHz
Input Voltage	1 Ø, 208/230 VAC 3 Ø, 208/230 VAC 3 Ø, 400/480 VAC	1 Ø, 208/230 VAC 3 Ø, 208/230 VAC 3 Ø, 400/480 VAC	3 Ø, 208/230 VAC 3 Ø, 400/480 VAC	3 Ø, 400/480 VAC	3 Ø, 400/480 VAC
kV Range	40 to 125 kVp	40 to 125 kVp	40 to 150 kVp	40 to 150 kVp	40 to 150 kVp
kV Steps	1 kVp	1 kVp	1 kVp	1 kVp	1 kVp
kV accuracy	±5 % + 1 kV	±5 % + 1 kV	±5 % + 1 kV	±5 % + 1 kV	±5 % + 1 kV
Time Range	1 to 6300 ms	1 to 6300 ms	1 to 6300 ms	1 to 6300 ms	1 to 6300 ms
mAs Range	0.1 to 500 mAs	0.1 to 500 mAs	0.1 to 630 mAs	0.1 to 800 mAs	0.1 to 1000 mAs
mAs Accuracy	±(10% + 0.2) mAs	±(10% + 0.2) mAs	±(10% + 0.2) mAs	±(10% + 0.2) mAs	±(10% + 0.2) mAs
mA Range	10 to 400 mA	10 to 500 mA	10 to 630 mA	10 to 800 mA	10 to 1000 mA
Line Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz

X-Ray Tube

Tube voltage	40 to 125 kVp	40 to 150 kVp	40 to 150 kVp
Maximum tube current	S/F: 290mA, L/F: 800mA	S/F: 400mA, L/F: 1000mA	S/F: 500mA, L/F: 1000mA
Anode Heat Storage Capacity	200 kHU (142 kJ)	300 kHU (210 kJ)	400 kHU (285 kJ)
Target Angle	14°	12°	12°
Focal Spot	0.6 / 1.5 mm	0.6 / 1.2 mm	0.6 / 1.2 mm

Collimator

Type	Manual	Automatic
Max. Operation Voltage	150 kVp	150 kVp
Rotation	± 90°	± 90°
Max. Field Size	18.8 x 18.8 in @ 40 in	18.8 x 18.8 in @ 40 in
Light Protection	> 160 lux @ 40 in	> 160 lux @ 40 in
Light Source	LED Lamp	LED Lamp
Auto Lamp Timer	Push button 30 sec	Push button 30 sec
Inherent Filtration	1.2 mm Al	2.0 mm Al
Linear laser beam(option)	Available	Available

Acquisition Workstation with monitor

CPU	Intel Core i5
Memory	16 GB RAM
HDD	1 TB
Operation Software	Microsoft Windows 10 Pro
Monitor	23.8" Full HD Monitor (1920 x 1080)

Flat Panel Detectors

Model name	1717WCC	1417WCC / 1417WCC_GreenOn	1717SCV
Detection area	17 X 17 in	14 X 17 in	17 X 17 in
Dimensions	460 X 460 X 15 mm	384 X 460 X 15 mm	460 X 460 X 15.5 mm
Active area	430.1 X 430.1 mm	350.0 X 427.3 mm	430.1 X 430.1 mm
Scintillator	CsI, Cesium-Iodide	CsI, Cesium-Iodide	CsI, Cesium-Iodide
AED	Yes	Yes	Yes
Pixel matrix	3072 X 3072 pixels	2500 X 3052 pixels	3072 X 3072 pixels
Pixel pitch	140 µm	140 µm	140 µm
A/D conversion	14 / 16 bits	14 / 16 bits	14 / 16 bits
Resolution	3.57 lp/mm	3.57 lp/mm	3.57 lp/mm
Energy range	40 – 150 kV	40 – 150 kV	40 – 150 kV
Image storage capability	Up to 1500 images	Up to 1500 images	-
Preview image time	< 2.0 sec (2x2 binning)	< 2.0 sec (2x2 binning)	< 2.0 sec (2x2 binning)
Data Transfer	802.11 AC Wireless LAN (up to 867Mbps) or 1Gbps Ethernet	802.11 AC Wireless LAN (up to 867Mbps) or 1Gbps Ethernet	1Gbps Ethernet
Wireless antennas	3 EA	3 EA	-
Weight	7.7 lbs. (3.5 kg)	6.6 lbs. (3.0 kg)	9.7 lbs. (4.4 kg)
Water and dust resistant	IP66	IP66	-
Drop tested	47.2 in (1.2 m)	47.2 in (1.2 m)	-
Battery operation time	Typ. 4 hours	Typ. 4 hours	-

XmaruView V1 Image Acquisition Software Features

Medical Specific Exposure Exam List
DICOM Modality Worklist, DICOM Storage, DICOM Send, DICOM Print
Enhanced image processing parameters with Digital Exposure Index
Analysis Statistics Report : tracks image acceptance, rejections, retakes, and deletion
DICOM Store, Print and Modality Worklist
Annotations including Text, Distance, Measurements, Angles, Electronic Markers
Basic security features- customized technologist log in/log out & user
Wireless signal on wireless panel, Detector battery indicator
Comparison Mode- Click and drag images to view them side by side

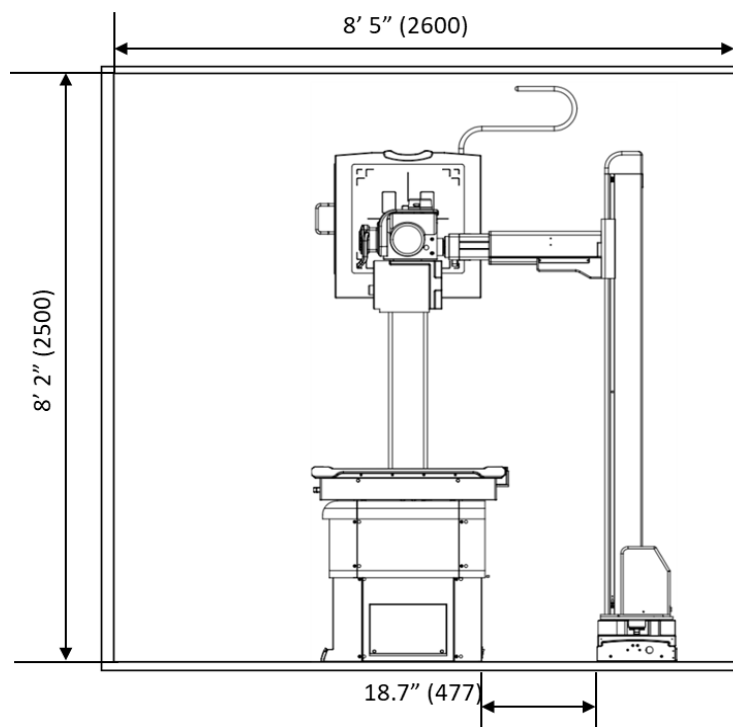
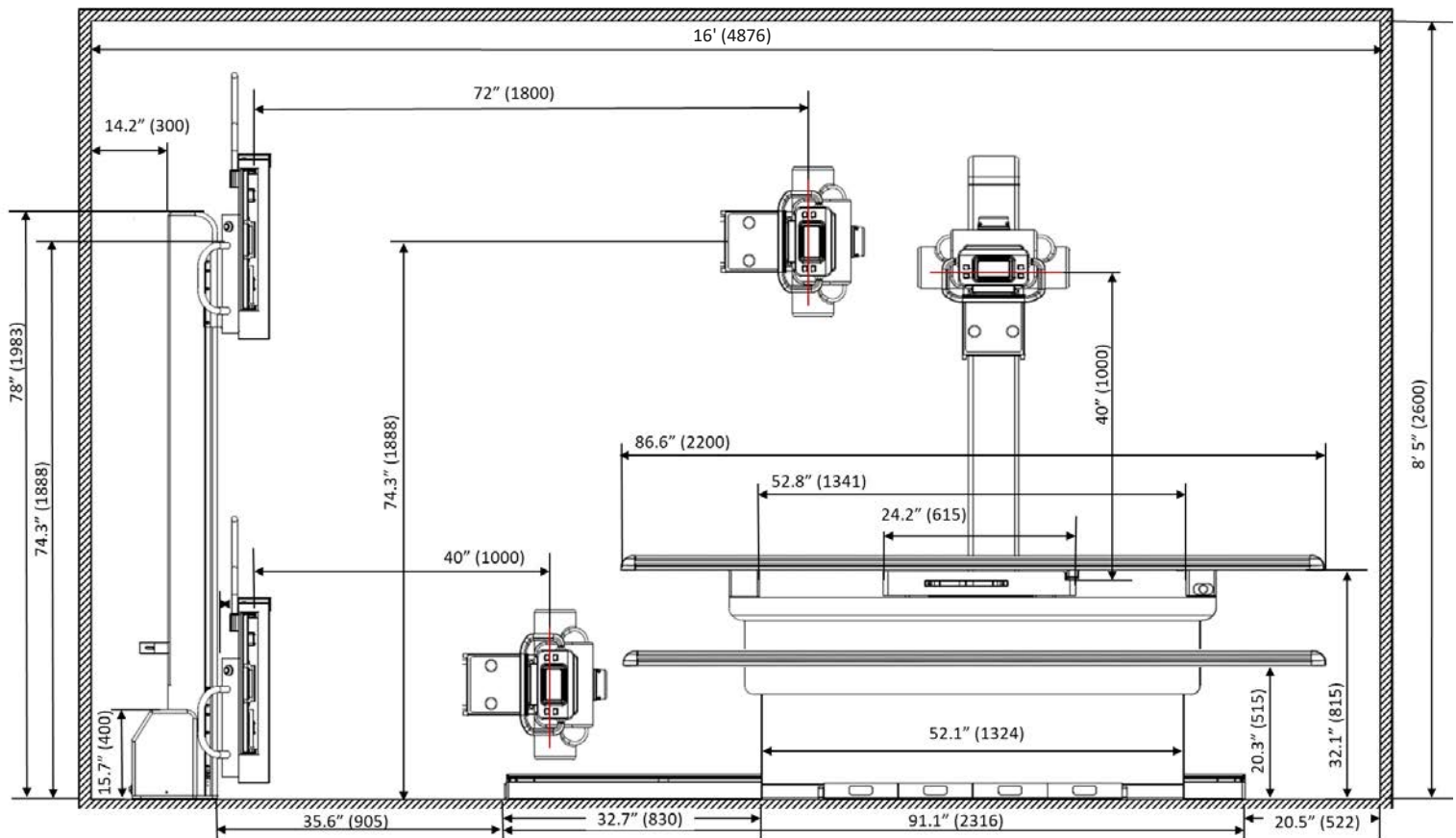
Operation Environment

Ambient temperature	50 °F- 104°F / 10 °C- 40 °C
Recommended room temperature	71.6 °F- 78.8 °F / 22 °C- 26 °C
Relative air humidity	30% ~ 75%, non-condensing
Atmospheric pressure	70 kPa to 106 kPa



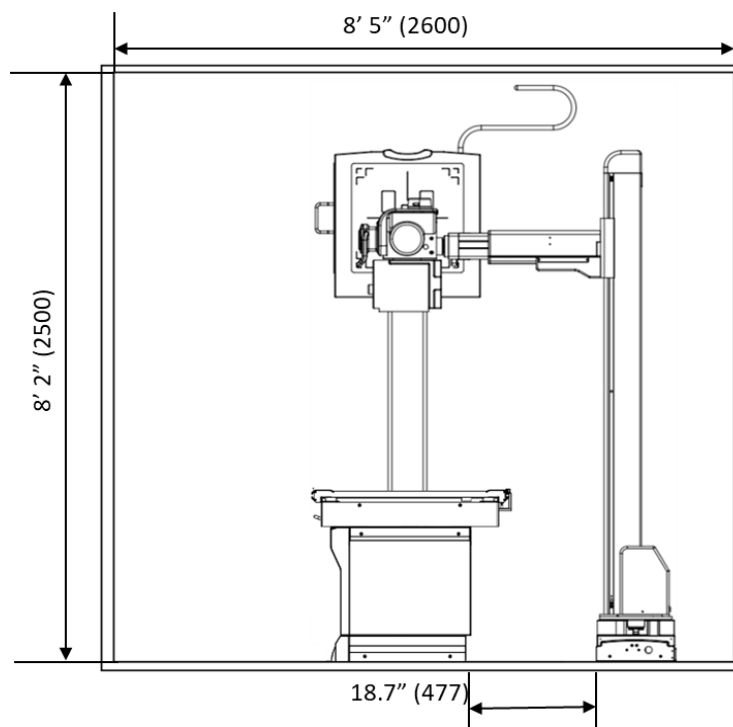
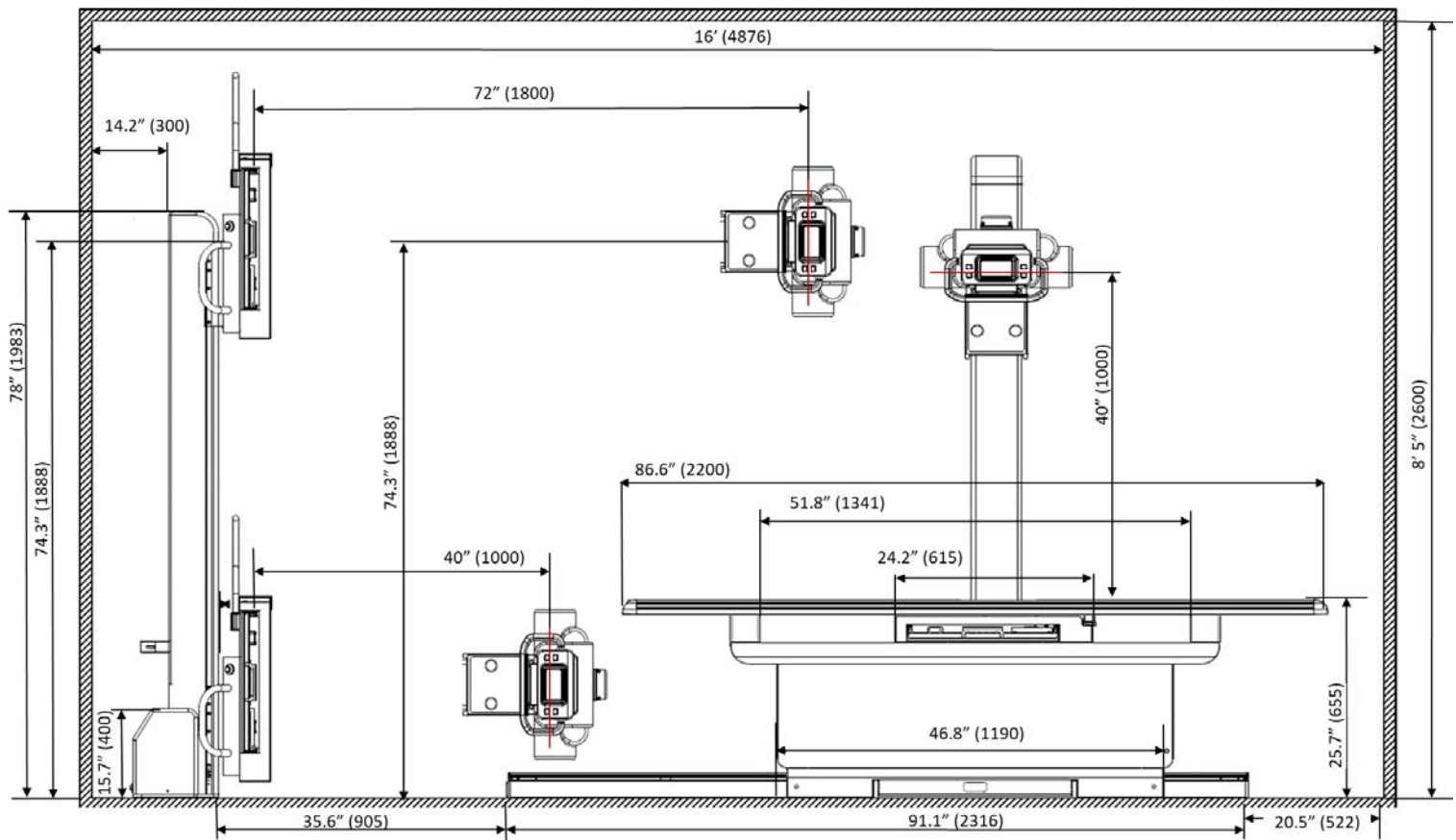
Dimensions (*Elevating 4-way Floating Table System*)

Unit: inches (mm)



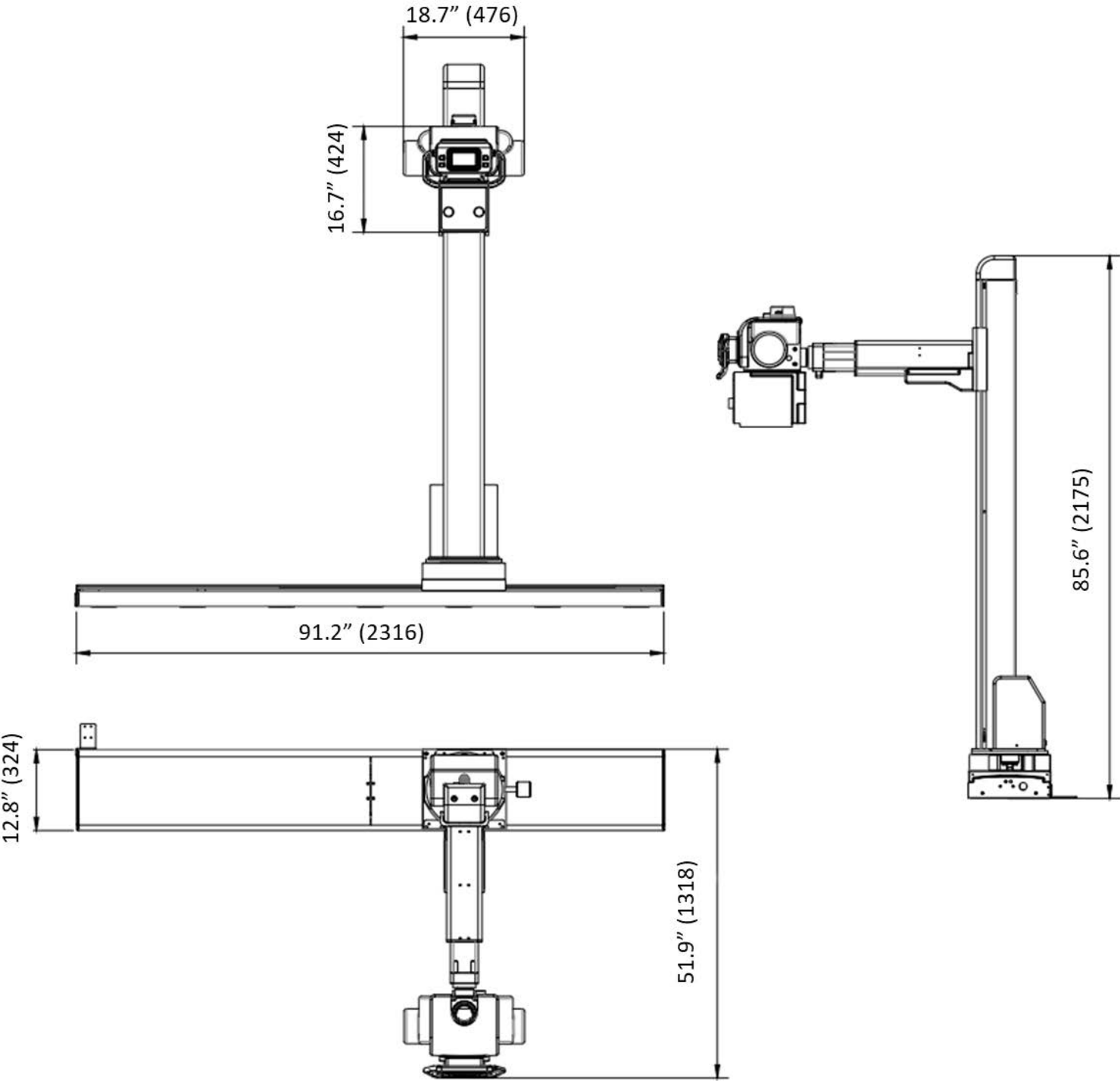
Dimensions(*Fixed height 4-way Floating Table System*)

Unit: inches (mm)



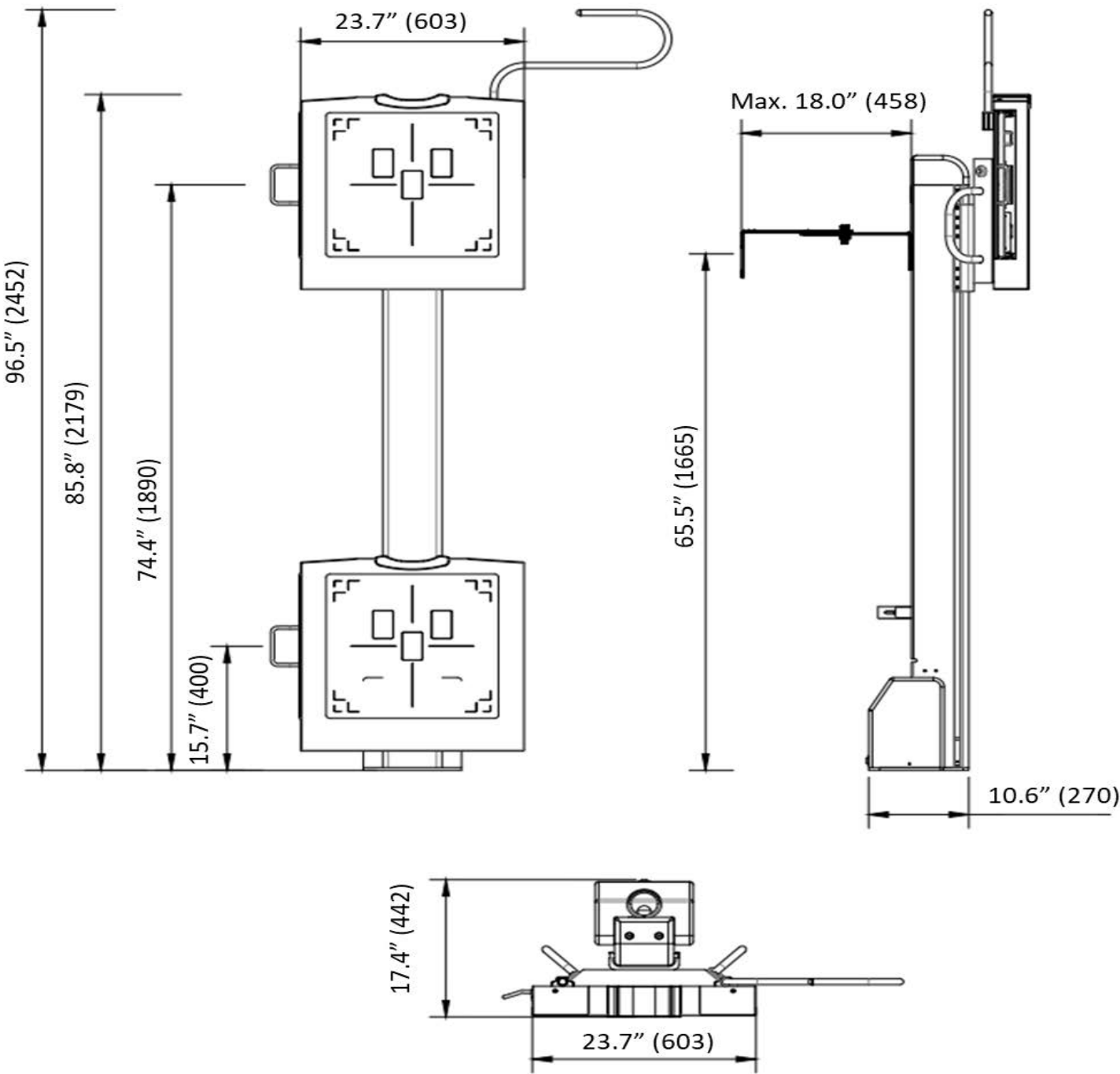
Dimensions

Unit: inches (mm)



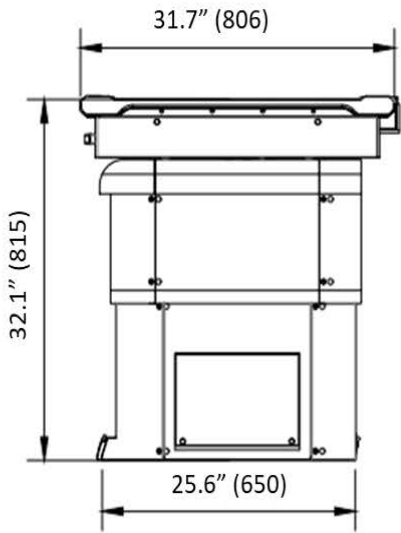
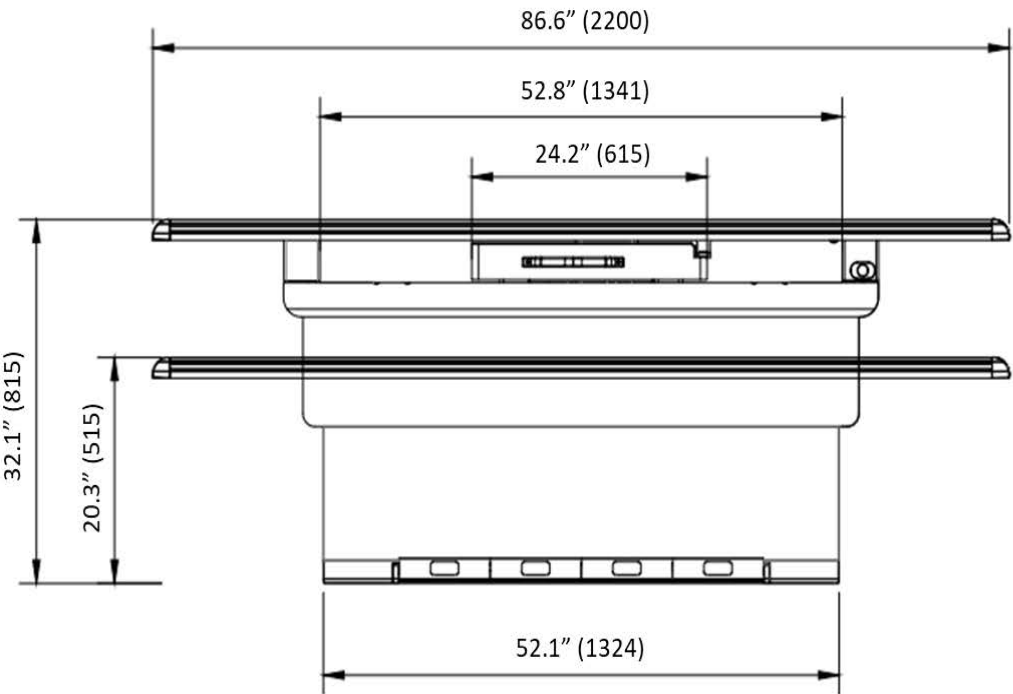
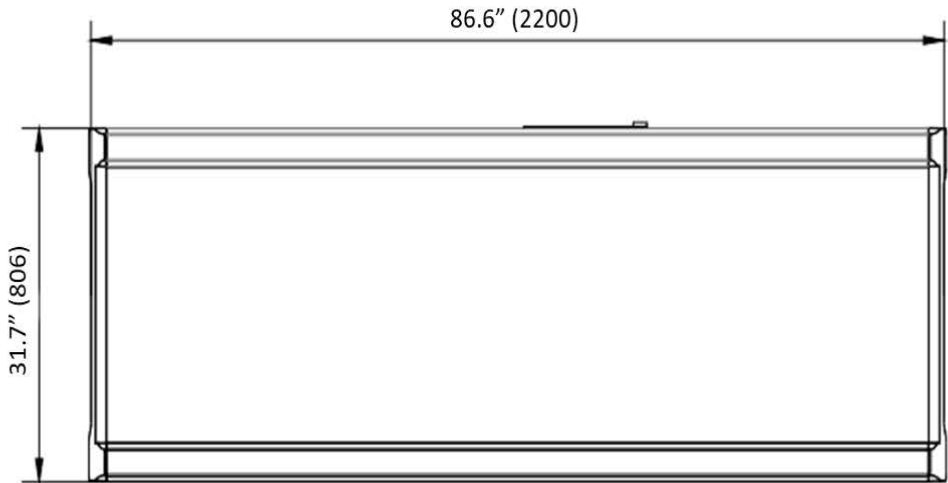
Dimensions

Unit: inches (mm)



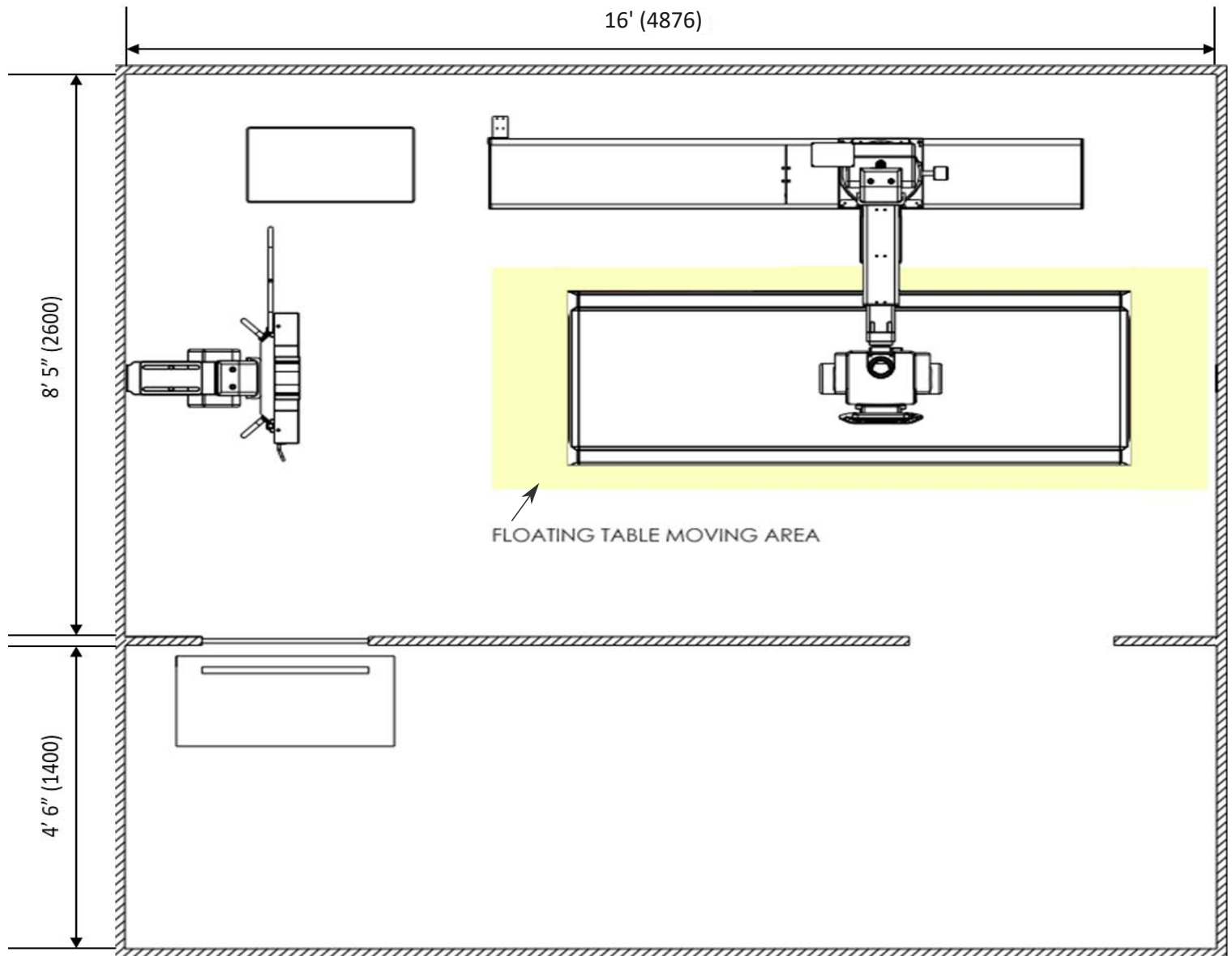
Dimensions (*Elevating 4-way Floating Patient Table*)

Unit: inches (mm)

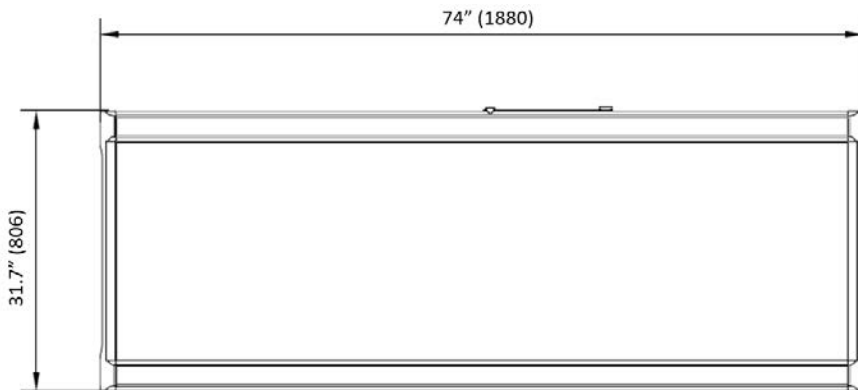


Top View Recommended Room Layout (*Standard Tabletop*)

Unit: Feet (mm)



If you order the optional short tabletop(74"), the Rad room is 14'-9" wide enough to install and use the system.

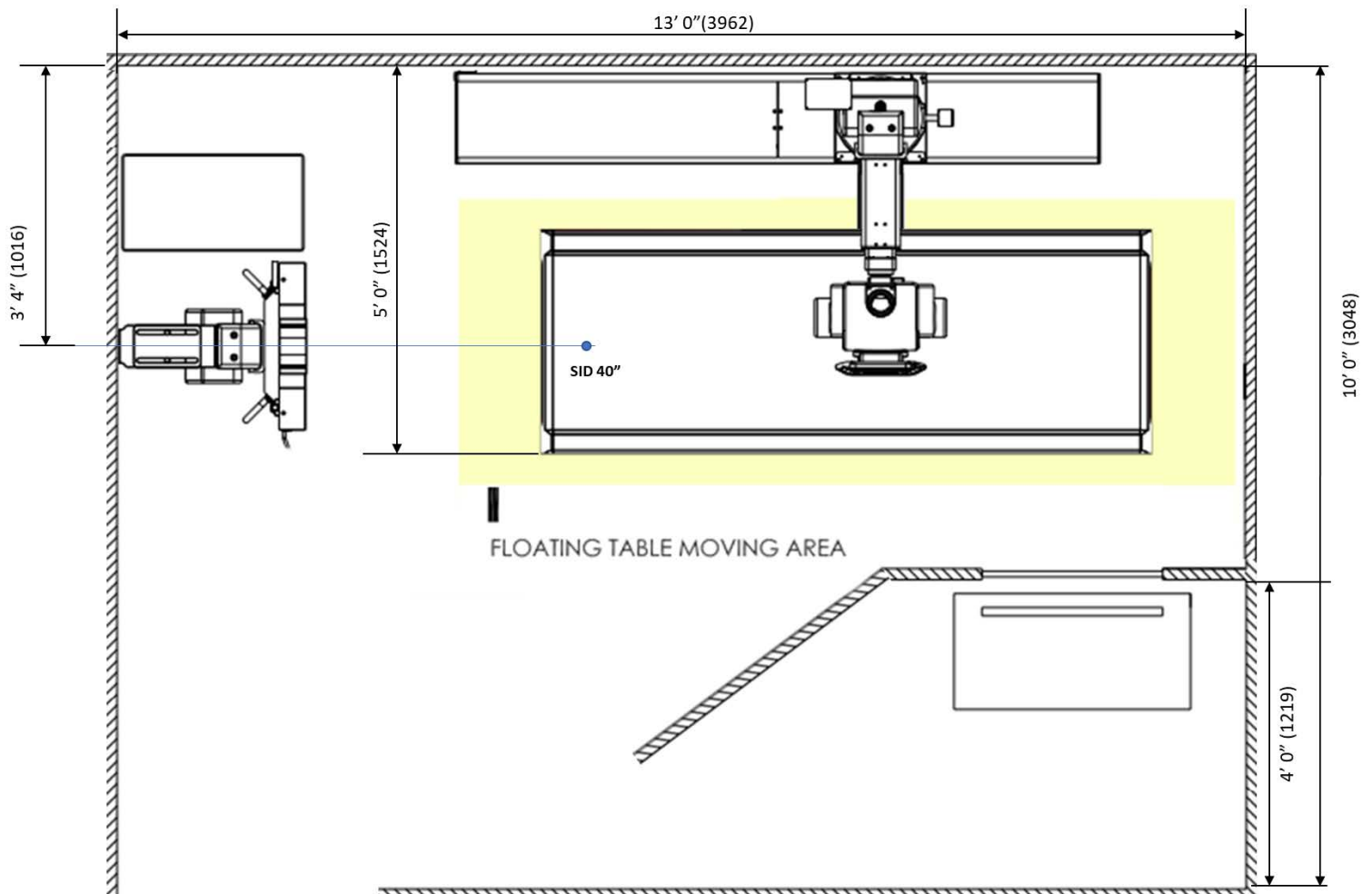


optional short tabletop(74")

Top View Minimum Room Layout (**Short Tabletop** - optional)

Unit: Feet (mm)

For a Minimum Rad Room Size, some mechanical parts can be customized.



Room Angle View

Unit: inches (mm)

