MIRAGE 2.0 · MODEL 4000-2.0

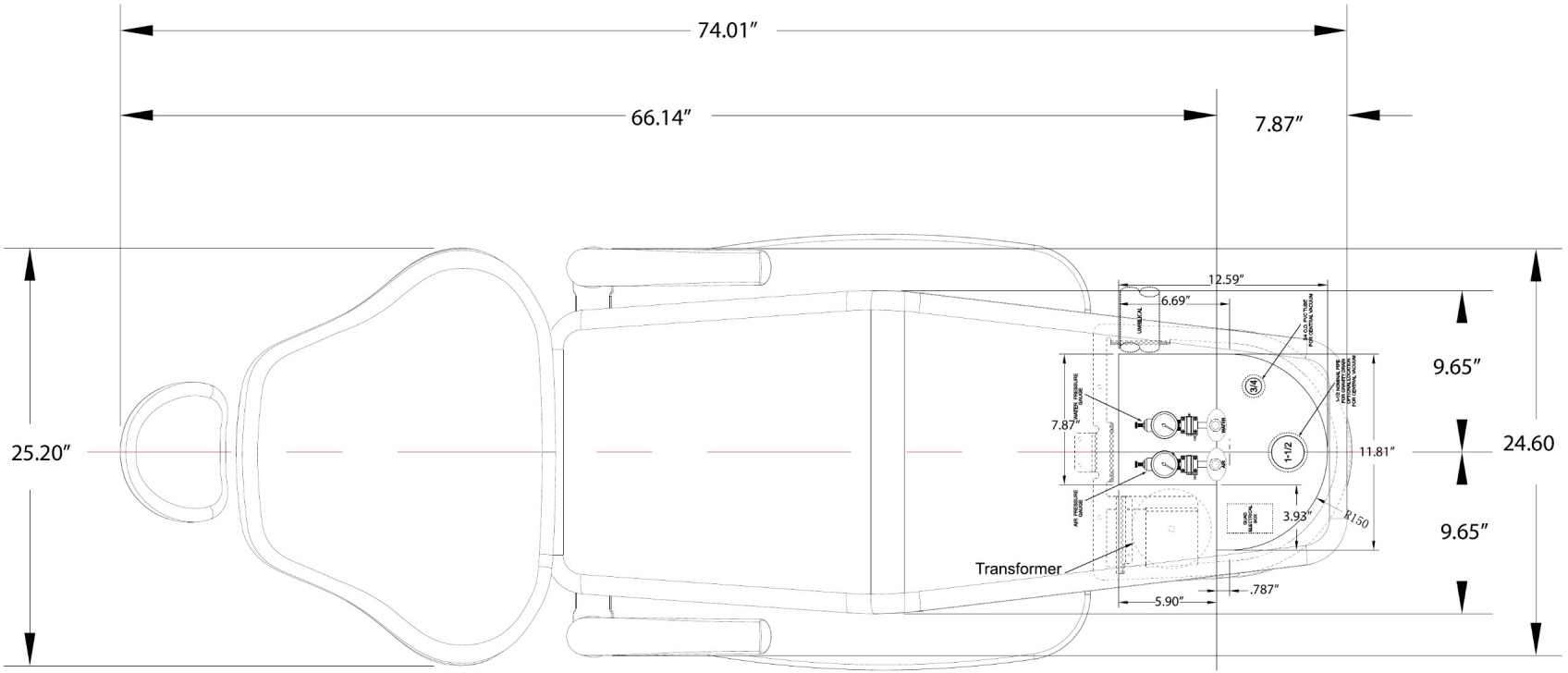
Chair placement guide

Chair footprint, junction box and utility locations, and swivel clearance for planning a Mirage 2.0 operatory.

74.01"
Overall length

25.20"
Chair width

54.13"
Swing width at 30° each way



SECTION 01

Before you start

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How to read the guide · Checklist

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Overall size of the chair

03 **Junction box and utilities** 4
Where air, water, drain, vacuum and power come up

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Printing and using the templates on the floor

Planning checklist

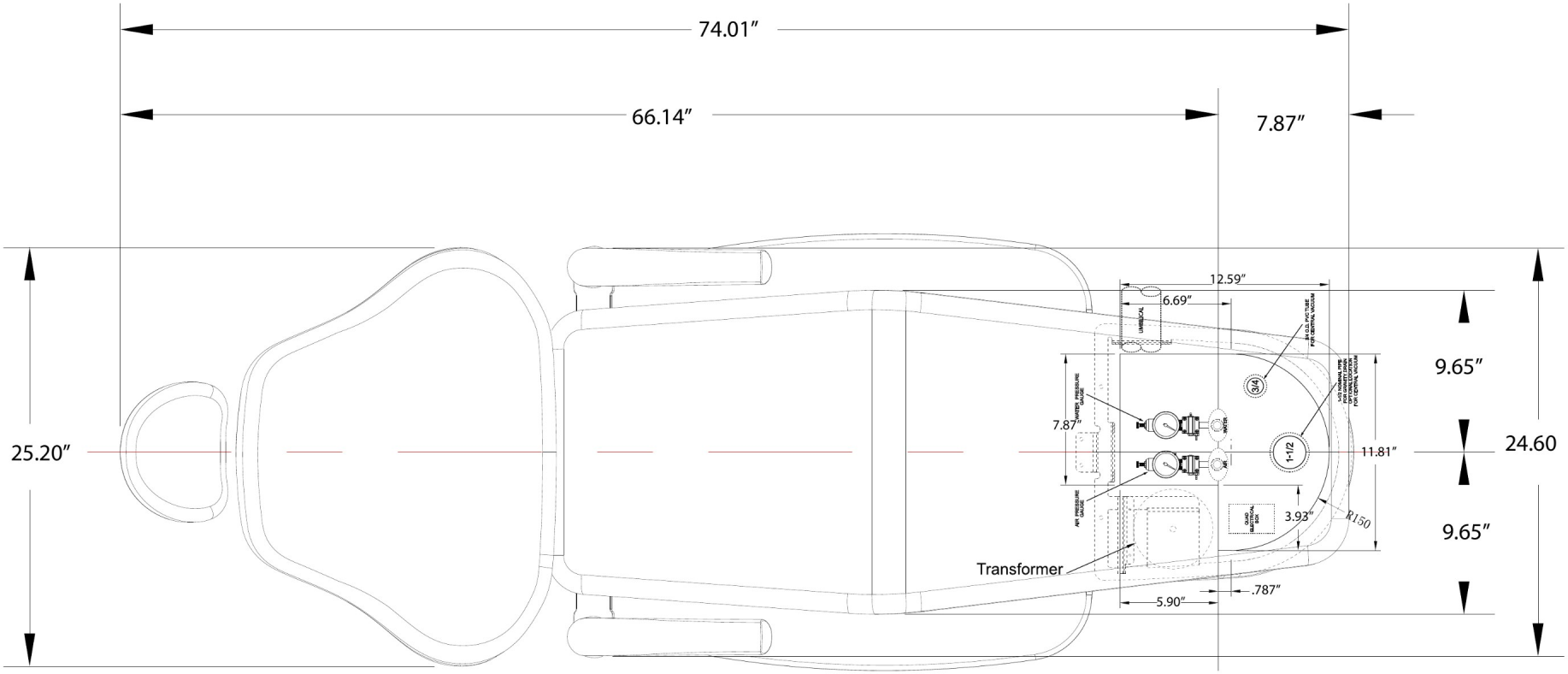
1. **Confirm the chair.** This guide is for the Mirage 2.0 chair, model 4000-2.0.
2. **Plan the utilities first.** Bring air, water, drain, vacuum and power up inside the junction box area on page 4, before the floor is finished.
3. **Measure from the pump cover.** Utility locations are measured from the edge of the chair pump cover.
4. **Allow for the swivel.** The chair swivels 30° each way and needs 54.13" of width at full swing (page 5).
5. **Check against the delivery unit.** If a Mirage 2.0 delivery unit is mounted on the chair, also follow the junction box connections in its manual.
6. **Print the templates at full size** and check the scale before marking the floor (page 6).

UNITS All dimensions are in inches. The junction box template also gives millimeters.

SECTION 02

Chair footprint

Top view of the Mirage 2.0 chair with the junction box area at the base.

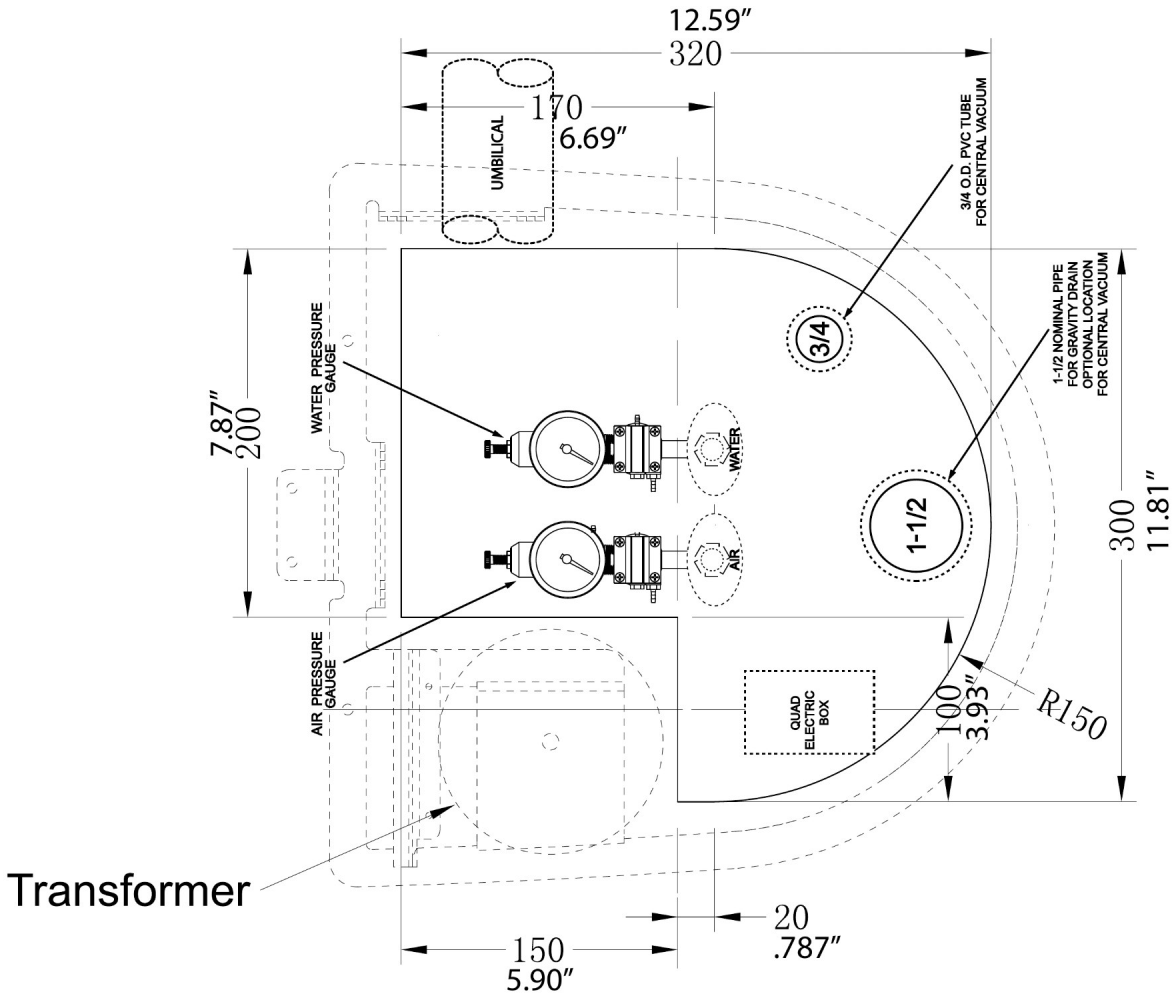


Overall length	**74.01"**
Headrest to junction box reference line	**66.14"**
Reference line to end of base	**7.87"**

Chair width at the armrests	**25.20"**
Base width	**24.60"**
Junction box area	**12.59" × 11.81"**

SECTION 03

Junction box and utility locations



REFERENCE Measure utility locations from the edge of the chair pump cover.

Utilities

Umbilical · From the chair to the junction box

Water stop · With water pressure gauge

Air stop · With air pressure gauge

¾" O.D. PVC tube · For central vacuum

1½" nominal pipe · For gravity drain, or optional central vacuum location

Quad electrical box · Power for the chair and delivery unit

Transformer · Mounted beside the air and water stops

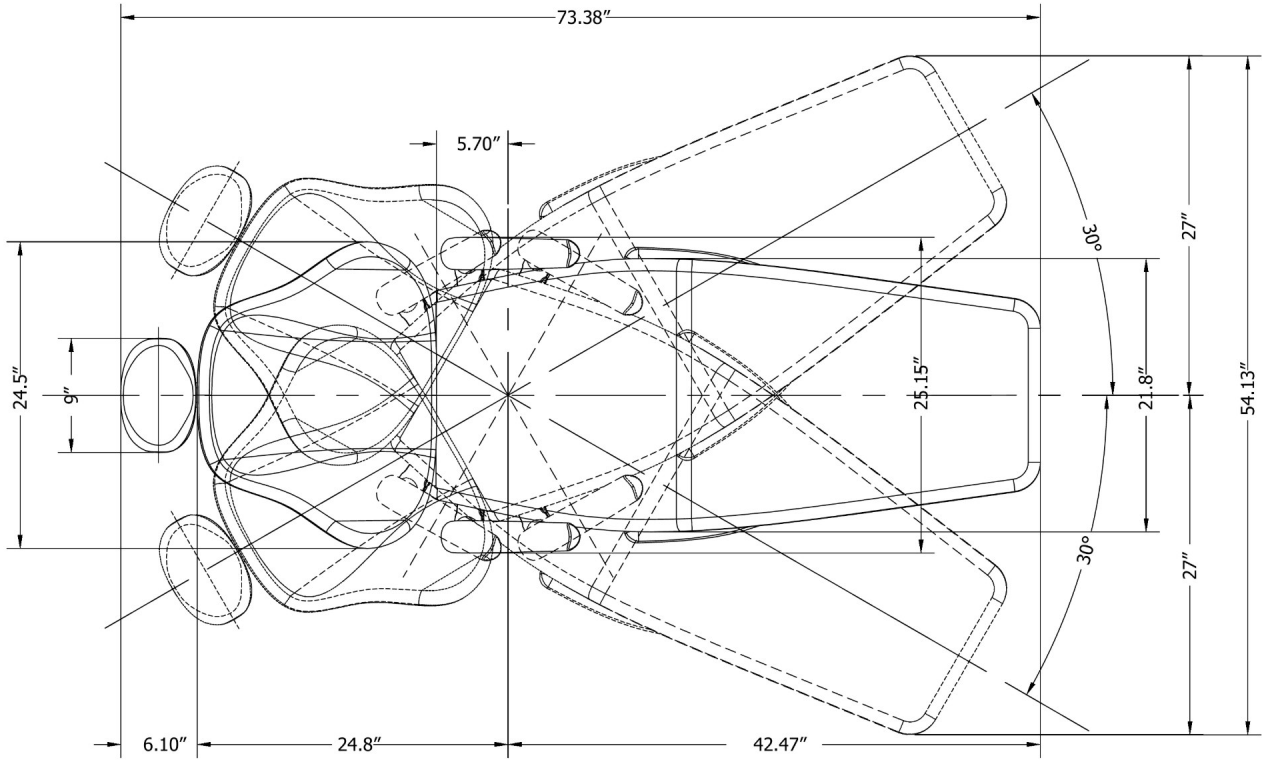
Dimensions

Overall width	**12.59" (320 mm)**
Edge to umbilical line	**6.69" (170 mm)**
Air and water area	**7.87" (200 mm)**
Overall depth	**11.81" (300 mm)**
Quad box offset	**3.93" (100 mm)**
Transformer area	**5.90" (150 mm)**
Step	**0.79" (20 mm)**
Corner radius	**5.91" (150 mm)**

SECTION 04

Rotation clearance

The chair swivels 30° to each side. Keep walls, cabinets and equipment clear of the swing.



30°
Each way

54.13"
Swing width

Overall length	**73.38"**
Pivot to headrest edge	**24.8"**
Pivot to foot end	**42.47"**
Headrest beyond chair at full swing	**6.10"**
Swing each side of centerline	**27"**
Chair width	**25.15"**

[TPC: this drawing shows 73.38" × 25.15" and a 24.5" base; the footprint template shows 74.01" × 25.20" and 24.60". Confirm which to use]

SECTION 05

Full-size templates

Two templates are drawn at full size (1:1) for marking the floor.

Chair footprint template

Sheet size	**94 × 40 in**
Shows	**Chair outline and junction box area**

Junction box template

Sheet size	**35 × 25 in**
Shows	**Utility locations with inch and mm dimensions**

Print

1. Print on a large-format (plotter) printer at **100%**, or "Actual size". Do not use "Fit to page".
2. If you do not have a plotter, a print shop can print the files, or print them as tiles on letter paper and tape the sheets together.
3. **Check the scale** with a tape measure: the junction box overall width must measure 12.59" (320 mm).

Mark the floor

4. Position the chair template on the floor where the chair will sit, allowing for the rotation clearance on page 5.
5. Tape it down, and mark the junction box area and each utility location through the template.
6. Measure every utility from the edge of the chair pump cover and check against page 4 before cutting or drilling.

⚠ **CAUTION** Confirm the floor drawing and every utility location before you cut or drill the floor.

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