

Digitarium Alpha 2 positioning in a fixed dome.

The Digitarium Alpha 2 projection angle is 175 degrees.

Note that the lens is approximately 3" (7.6 cm) away from the center of the base in one dimension. The base is 16" (40.6 cm) square.

The four feet are adjustable for leveling, or can be replaced with 3/8"-16 bolts to secure the system to the platform (recommended).

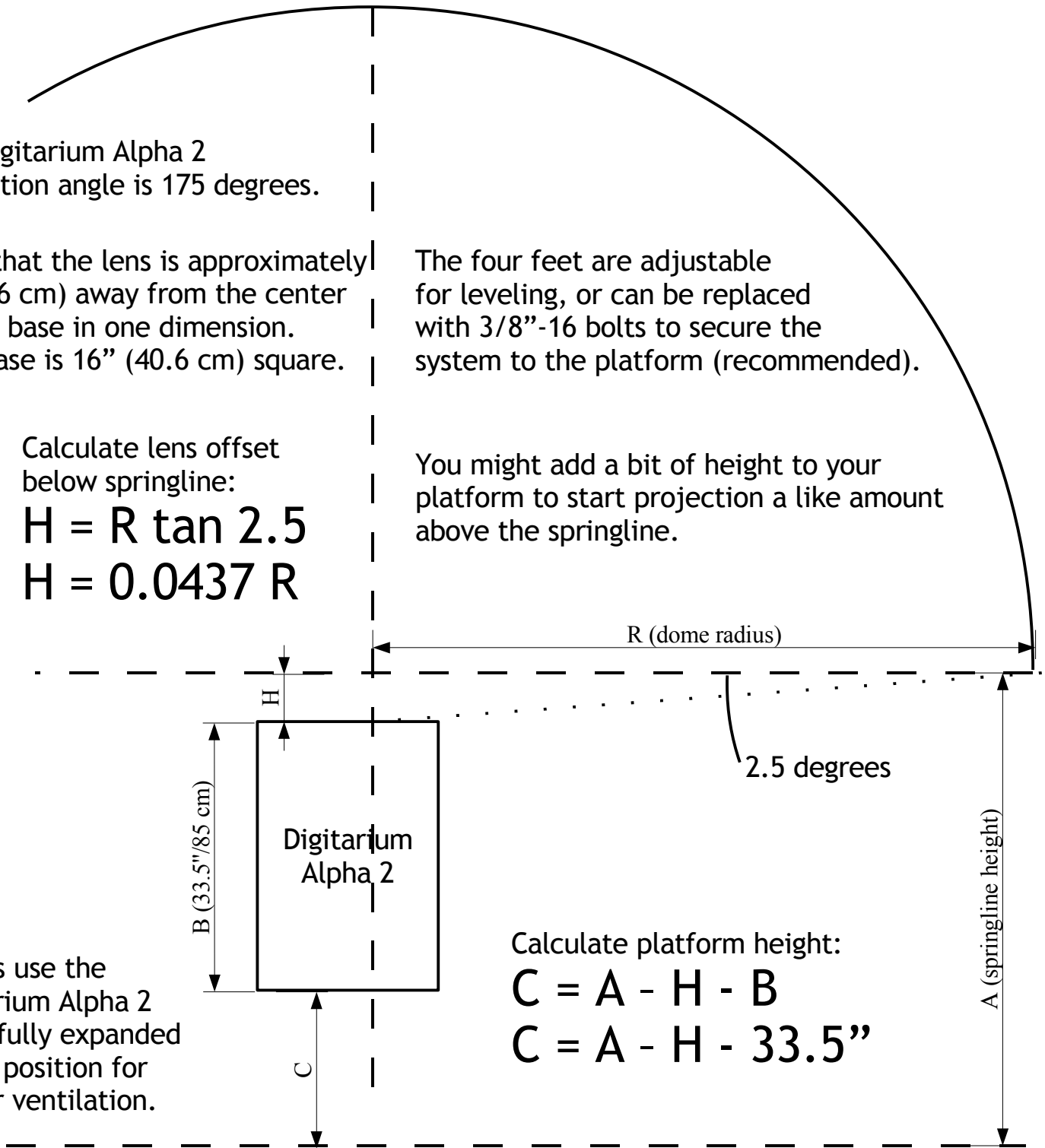
Calculate lens offset below springline:

$$H = R \tan 2.5$$

$$H = 0.0437 R$$

You might add a bit of height to your platform to start projection a like amount above the springline.

Always use the Digitarium Alpha 2 in it's fully expanded frame position for proper ventilation.



Calculate platform height:

$$C = A - H - B$$

$$C = A - H - 33.5''$$

Example: a 20' diameter dome would have $H = 10' * 0.0437 = 0.437' = 5.2''$