

Technical drawing of a trapezoidal roof structure. The drawing shows a trapezoid with a top width of 46.0, a bottom width of 154.0, and a height of 20.0. A circular detail 'B' is shown on the left side. The scale is 1:10.

Detail B
Scale: 1:2

Top view
Scale: 1:10

$\phi 150 \pm 0.005$
 $\frac{15115 + 0.005}{2} = \frac{15115.005}{2} = 7557.5025$
 $\cos \beta = 0.848$

$\phi 800 \pm 0.005$
 871

$r 471 \text{ mm}$

$r 871 \text{ mm}$

1 463 mm

r 978 mm

r 515mm

r 871mm

r 471 mm

r 871 mm

392 mm↓

245 mm

 $\frac{3}{2}$

2.

245 mm

 $\frac{3}{2}$
$$\frac{180 \times 5134}{3025} = 284^\circ / 2 = 142^\circ$$
$$3025:180 = x:5134$$
 (A)