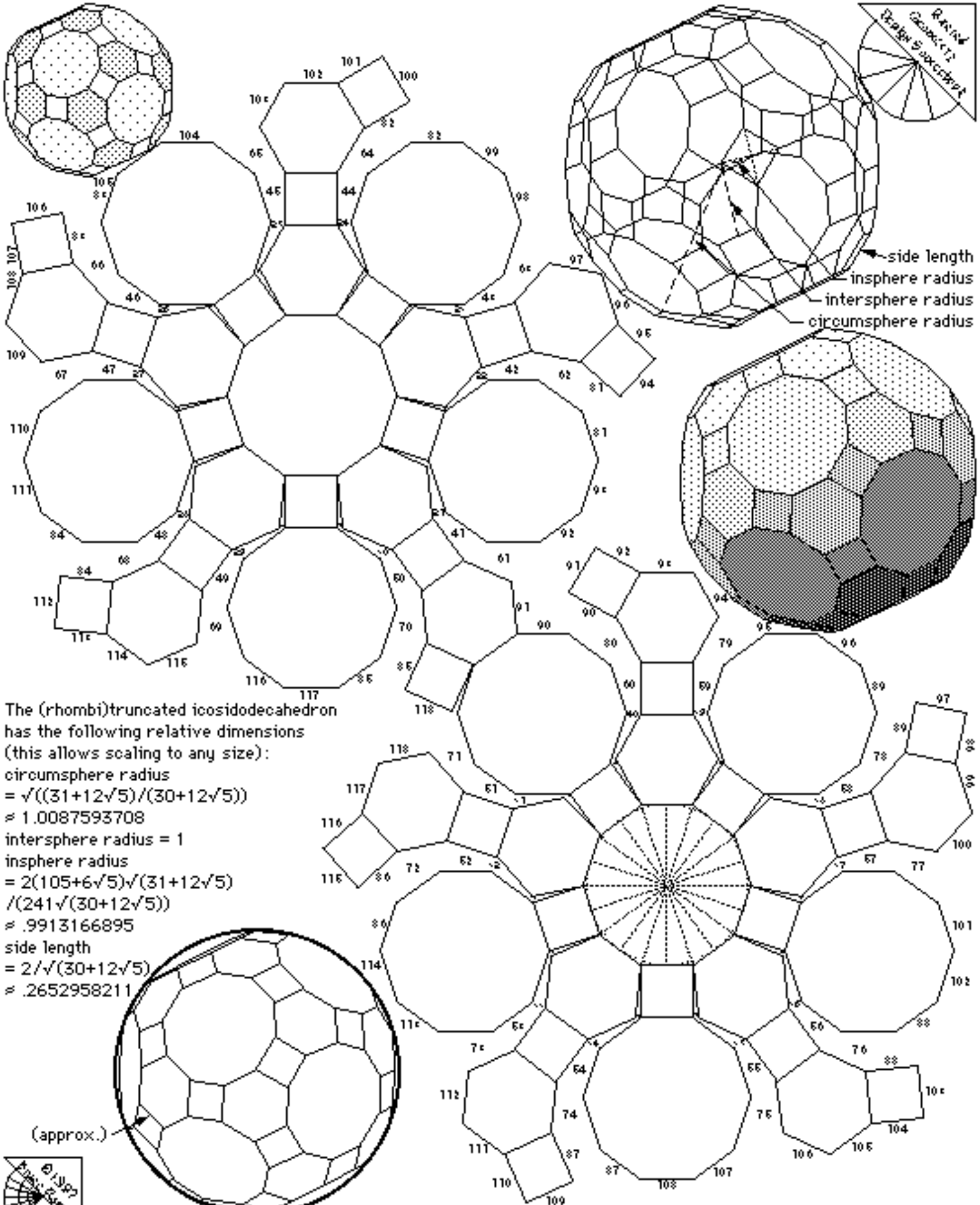

The (rhombi)truncated icosidodecahedron has the following relative dimensions (this allows scaling to any size):

circumsphere radius
$= \sqrt{((31+12\sqrt{5})/(30+12\sqrt{5}))}$
≈ 1.0087593708

intersphere radius = 1

insphere radius
$= 2(105+6\sqrt{5})\sqrt{(31+12\sqrt{5})}$
$/(241\sqrt{(30+12\sqrt{5})})$
$\approx .9913166895$

side length
$= 2/\sqrt{(30+12\sqrt{5})}$
$\approx .2652958211$

(Rhombi)truncated Icosidodecahedron (a.k.a. Great Rhombicosidodecahedron) Fold-Up Pattern