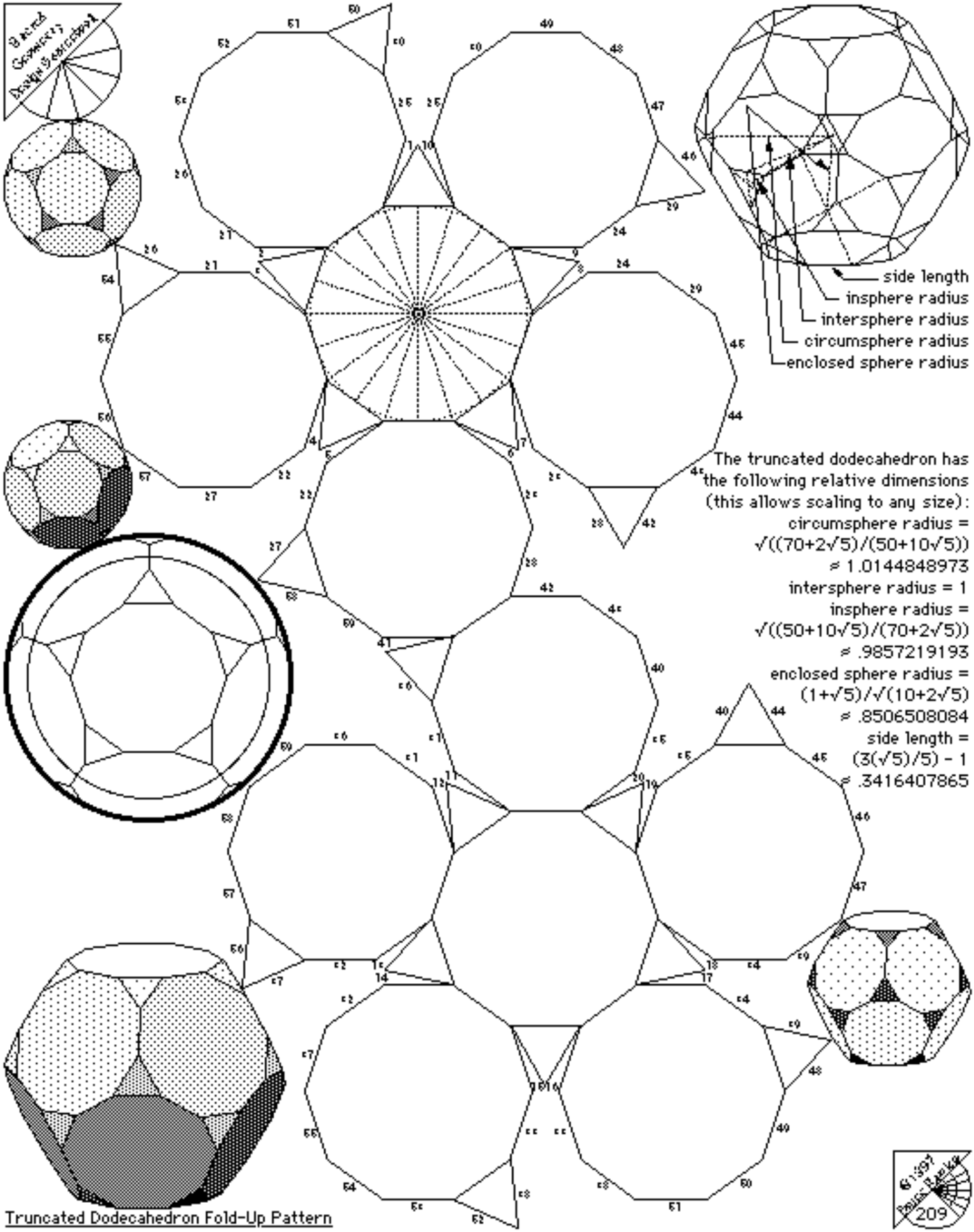

The truncated dodecahedron has the following relative dimensions (this allows scaling to any size):

circumsphere radius = $\sqrt{((70+2\sqrt{5})/(50+10\sqrt{5}))}$ ≈ 1.0144848973

intersphere radius = 1

insphere radius = $\sqrt{((50+10\sqrt{5})/(70+2\sqrt{5}))}$ ≈ .9857219193

enclosed sphere radius = $(1+\sqrt{5})/\sqrt{(10+2\sqrt{5})}$ ≈ .8506508084

side length = $(3(\sqrt{5})/5) - 1$ ≈ .3416407865

Truncated Dodecahedron Fold-Up Pattern

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