Geometry Architecture Golden Ratio Proportions

“3D Thinking” Pages 280 to 289: The drawing shows an example of how a Golden Ratio “Ideation Lattice” is derived from the “Dynamic Sphere” geometry – and then how an architectural structure is extracted from the lattice. In this example, connecting sphere centers creates the lattice. The sphere packing is the “Golden Ratio” packing. Software is Rhino 3D. Once the lattice is generated three-dimensional forms of all sorts can be extracted from it – where the forms will all be within the Golden Ratio. See my paper on the subject, “Dynamic Geometry,” also a chapter in my upcoming book to be published by Thames and Hudson April 2018 “3D Thinking in Design and Architecture from Antiquity to the Future.”

