

Geometrica Lattice Steel Domes

Geometrica Inc. manufactures custom designed lattice domes for a wide variety of facilities, including the (56'x82') central patio of Plaza Valle Shopping Center in Monterey, Mexico. Unlike circular geodesic domes, this dome is a super-ellipse, with a rectangular base ring. Subsequent rings become closer to a pure ellipse. The dome rises 14' above its support columns. Design allows for a snow load of 12 psf and wind velocity of 80 mph. The structure is comprised of 1200 steel tubes, in 800 different configurations, which were erected in 7 days. The entire structure weighs 1.1 psf. Other Geometrica dome projects are in Saltillo, Mexico and Mexico City.

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