

Marcello Piacentini's dome in the building for the Cripples and Invalids of War in Rome (*Casa Madre dei Mutilati ed Invalidi di Guerra*) (1925-1928) between classical space permanencies and technological innovations.

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Abstract The finding of a series of unknown studies and drawing plans of Marcello Piacentini for the *Casa Madre dei Mutilati ed Invalidi di Guerra* in Rome (from 1925/1928, to 1935/36) and a survey of the entire building have allowed to discover and analyze a fairly unknown piece of architecture, essential for the acquaintance of the history of design and architecture. The concrete dome, made of interlaced and curved ribbings springing from its keystone, shows a multitude of *lacunari*, covered with diamond shaped milky glass and ribbed in brass, which degrade as they near the top of the vault. This peculiar dome have suggested also the possible participation of the young Pier Luigi Nervi.

Keywords Marcello Piacentini, blueprints, concrete, razionalism, italy, geometry, dome, membrane

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