1. Record Nr. UNINA9910887916403321

Autore	Salvatore Marta
Titolo	La "stereotomia scientifica" in Amédée François Frézier : Prodromi della geometria descrittiva nella scienza del taglio delle pietre
Pubbl/distr/stampa	Firenze, : Firenze University Press, 2012
Descrizione fisica	1 electronic resource (202 p.)
Collana	Premio Ricerca «Città di Firenze»
Soggetti	Architectural structure & design Technical design Engineering graphics & technical drawing
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Cut-stone constructions are made of pre-hewn blocks dry assembled on top of each other. Owing to the formal complexity characteristic of these works, in order to design them it is necessary to have knowledge of the theory of lines, surfaces and their properties, as well as knowledge of the representation methods capable of rendering them on a plane surface. This knowledge set makes stereotomy the science that anticipates, in terms of theory and tools, modern descriptive geometry. These are the reasons for seeking the beginnings of descriptive geometry in stereotomy, that is, the reasons for the transformation of the mason's art of cutting stone into a bona fide science. Frézier's work fits among the last theoretical essays prior to the géométrie descriptive of Gaspard Monge. It is a treaty on solid geometry, devoted to the shape of the bodies, their intersections and the graphical methods necessary to represent them on a plane. In it the author draws up a rigorous theory that puts in place over two centuries of knowledge and experimentation on the subject of cutting stones.