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THE USE OF 3D MODELS IN INTEGRATE SURVEY: THE CHURCH OF ST. THOMAS OF VILLANOVA IN CASTEL GANDOLFO

M. Canciani and M. Saccone

¹Roma Tre University, Department of Planning and Architectural Studies, Rome, Italy

Keywords: San Tommaso da Villanova in Castel Gandolfo, G.L. Bernini, Integrated survey, Measurement model, Design model, Representation model

Abstract. The research illustrated below describes the integrated survey method as applied to the Church of St. Thomas of Villanova in Castel Gandolfo, the work of G. L. Bernini. In particular, integration of the various survey methods with 3D modelling to reconstruct all the elements with complex and/or hard to measure geometries has made it possible to obtain an accurate survey model. Comparison of this model with Bernini's original project, based on the analysis of several drawings, has given a clearer view of certain aspects of the design and of Bernini's planning methods.

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