ADOBE ARCHITECTURE: BUILDING, TESTS AND PERFORMANCE IN THE OLD HISTORICAL CENTER OF VILLAVICENCIO

Carlos Alberto Díaz Riveros
Architect, Master in Cultural Heritage and Territory
Research Center of Engineering and Architecture "Rogelio Salmona"
Vice-Rector for Research and Social Responsibility
University Corporation of Meta, Villavicencio, Colombia
Email: carlos.diaz@unimeta.edu.co

ABSTRACT

Until recently time it has begun to assess the municipality of Villavicencio as an area with rich heritage, and one of those items with heritage value is built of masonry architecture, however, seeks to inform the community, procedures of construction systems used in the masonry buildings built in the nineteenth and twentieth centuries, and they forgot the features that appear as unique: its spatial development, its form, its use, its formal repertoire and their materiality, are distinctive of their origins, in addition, there hoard priority.

The buildings in question are not involved since the earthquake-resistant building standards do not consider them suitable for their habitat, as above, intends to strengthen its structure, thus correcting the seismic behavior, when supporting an earthquake, not destroyed, and to protect lives.

Be part of the study of possible solutions built for structural reinforcement, having documented the buildings from their failures and modifications in the object of study, it was insufficient to conclude as to their protection and enhancement options are valued buildings with walls of adobe systems previously applied by the research Group GRIME.

Key words: Masonry, Constructions, Seismic Behavior

Palabras clave: Adobe, Edificaciones, Comportamiento sísmico