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| Book Name: | [**Engineering Research: Perspectives on Recent Advances**](https://www.bookpi.org/bookstore/product/engineering-research-perspectives-on-recent-advances-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_5247** |
| Title of the Manuscript:  | **An Analysis of the Planar Vault under the Choir Loft of the Monastery of El Escorial** |
| Type of the Article | **Book chapter** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**Buildings, 14(4): 1-19, 2024.**

**Available:** [**https://doi.org/10.3390/buildings14041108**](https://doi.org/10.3390/buildings14041108)

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| PART 1: Comments |
|  | Reviewer’s comment**Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** |  |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** |  |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. |  |  |
| **Is the manuscript scientifically, correct? Please write here.**  |  |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** |  |  |
| Is the language/English quality of the article suitable for scholarly communications? |  |  |
| Optional/General comments | **Review Comments** *1. Typos and Language Clarity*Several instances of grammatical errors and awkward phrasing reduce the overall readability of the manuscript. For example:* Inconsistent verb tenses in the methodology section.
* Misuse of singular/plural nouns in technical descriptions.
* Certain sentences are overly long and could be split for clarity.

*2. APA Style in References*The reference section does not fully adhere to APA guidelines. Common issues include:* Incomplete citation details (e.g., missing page numbers, publication years).
* Use of et al. without proper initial citation format.
* Journal names are inconsistently capitalized or italicized.

*3. Improper or Missing Citations*Some claims are made without proper citations, especially regarding structural performance and material characteristics.* For example, when describing the structure of the elements studied, there is no reference provided to verify or support these descriptions. Readers are left questioning the origin of these structural assumptions.
* A comparison is made between two elements (e.g., different bracing types or frames), but the reference supporting the importance or relevance of this comparison is missing. The inclusion of a citation here would help readers appreciate the significance of the observed differences.

*4. Unexplained Calculations (Force Ratio)*The paper provides force ratio values at various stages, but there is no explanation of:* How these values were calculated?
* What assumptions were made?
* Or whether they were derived from simulation, experimental data, or theoretical equations?

A short methodological explanation or a reference would clarify this and strengthen the reliability of the findings.*5. Sentence Repetition*Several sentences (particularly those discussing general structural behaviors) are repeated in different sections, especially between the introduction and discussion. This affects the flow of the paper and gives the impression of padding rather than providing new insights.*6. Paragraphs in the Wrong Section*Some content is misplaced across different sections:* Background information appears in the Results section rather than the Introduction.
* Some interpretation of results appears prematurely in the Results section and should be moved to the Discussion.
* The Conclusion section reads more like an extended discussion and lacks a concise summary of key findings.

*7. Weak Conclusion Structure*The conclusion lacks specificity and fails to:* Summarize the most important quantitative or qualitative findings,
* Clearly define limitations or suggestions for future work.

Additionally, as noted, much of the content here would be better suited in the Discussion section. |  |

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| **PART 2:**  |
|  | Reviewer’s comment | Author’s comment *(if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?**  | *(If yes, Kindly please write down the ethical issues here in detail)* |  |

**Reviewer details:**

**Mojtaba Pourbakht, Osaka University, Japan**