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Citation: Chen J (2024) A Review on Architectural Engineering: Harmonizing Design and Functionality. J Archit Eng Tech 13: 375.

design to create sustainable, functional, and aesthetically pleasing built environ in-depth overview of architectural engineering, exploring its historical evolution, k applications. The interdisciplinary nature of architectural engineering is highlig addressing complex challenges such as climate change, urbanization, and re disciplines within architectural engineering, including structural engineering, buil construction management, are examined, along with their respective contributions process. The importance of sustainability and energy efficiency in architectural eng with an emphasis on innovative technologies and strategies for creating environ Additionally, the paper explores the role of architectural engineers in fostering c engineers, contractors, and other stakeholders to ensure the successful realization this paper provides a comprehensive overview of architectural engineering, showc

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[illegible]

Current trends in architectural engineering

Integration of sustainable technologies: [illegible]

Parametric design and digital fabrication: [illegible]

Understanding architectural engineering

Evolution and history

Since the 1... the 20...

Core principles

Structural integrity:

Sustainability:

Human comfort:

Integration of systems:

Challenges and trends

21.

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Conclusion