

# Fundamentals of Architecture: Form

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By Diego Lopez

Class: Introduction to Architecture

A dark, low-angle photograph of the One World Trade Center and surrounding skyscrapers in New York City. The One World Trade Center is the central, tallest building, with its distinctive spire reaching towards the top of the frame. To its left is a building with a grid-like facade, and to its right is a building with a more rounded, stepped profile. The sky is a deep, dark blue, and the overall lighting is low, creating a somber and dramatic atmosphere.

# One World Trade Center

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# Building Information

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- Architect: David M. Childs
- Geographical Location: Westfield view Trade Center, New York City, New York.
- Time period built: Modern Time period; construction started in 2006 and completed in 2014.
- Purpose of construction: “It was built in remembrance of the victims of the terrorist attack that happened on September 11<sup>th</sup>, 2001. (O'Connell)”

## Architectural Characteristics

- Type of Structure: Contemporary Modern
- Characteristic of Form: Transformation
- “One World Trade Center features a hybrid structure comprised of a high-strength concrete core surrounded by a perimeter moment frame of steel frame adds rigidity and structural redundancy. Both bolted and welded together for maximum connection strength, the steel members were hoisted into place by two Manitowoc cranes- the largest ever used in New York City. (*ONE WORLD TRADE CENTER*)”



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A photograph of the Leaning Tower of Pisa, showing its characteristic lean to the left. The tower is a tall, cylindrical structure with multiple levels of arches and a decorative base. It is set against a clear, bright blue sky. In the foreground, there are some green trees and a few buildings, including a yellow one on the left and a white one on the right. A crowd of people is visible at the bottom of the tower, providing a sense of scale.

# The Leaning Tower of Pisa

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# Building Information

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- Architect: Bonanao Pisano  
(Disappeared because he was ashamed of the tower's tilt. (Rizzo))
- Geographical Location: Tuscany, a region in west central Italy. (Britannica)
- Time Period Built: 12<sup>th</sup> century
- Purpose of construction: “It was built to be the bell tower of Pisa’s Cathedral Complex.”



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# Architectural Characteristics

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- Architectural Style: Romanesque style.
- Characteristic of Form: Movement
- “Three of its eight stories have been completed when the uneven settling of the buildings foundation in a region of soft ground became noticeable. At that time, war broke out between the Italian city-states, and construction was halted for almost a century. This pause allowed the tower’s foundation to settle and likely prevented its early collapse. (Britannica *Leaning Tower of Pisa*)”

A photograph of The Alamo in San Antonio, Texas. The building is a large, light-colored stone structure with a prominent arched entrance. A flag is flying from a pole to the left of the building. The sky is dark, suggesting dusk or night. The text 'The Alamo' is overlaid in the center of the image.

# The Alamo

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# Building Information

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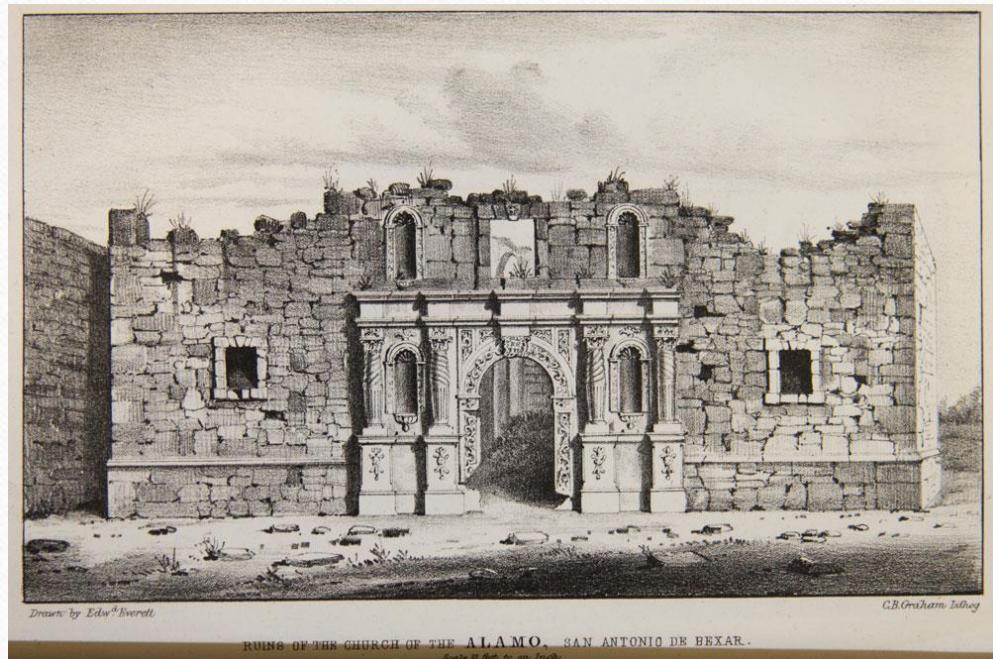


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- Architect: “Fray Antonio de San Buenaventura y Olivares, a Franciscan missionary of the college of Santa Cruz de Querétaro. (*The Alamo*)”
- Geographical Location: San Antonio, Texas.
- Time Period: : Founded between 1716 and 1718; 12<sup>th</sup> century.
- Purpose of Construction: “Originally built as the Chapel of the Mission San Antonio de Valero. (*The Alamo*)”

# Architectural Characteristics

- Architectural Style: New World Ecclesiastic Architecture.
- Characteristic of Form: Subtractive and additive.
- “Before the end of the century, the mission had been abandoned and the buildings fell into partial ruin. After 1801, the old chapel became popularly known as ‘The Alamo’ because of the grove of cottonwood trees in which it stood. (*Alamo*)”



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# Resources

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