

Growing
Better



ADAGRA 2025 PRACTICAL BUILDING SKILLS

THINKING THROUGH

DESIGN



WHAT HAPPENS WHEN YOU DON'T THINK
ABOUT DESIGN. . .

WOULD YOU WANT
THIS HOUSE?











ONE SIZE FITS ALL?

ENVIRONMENTAL AWARENESS







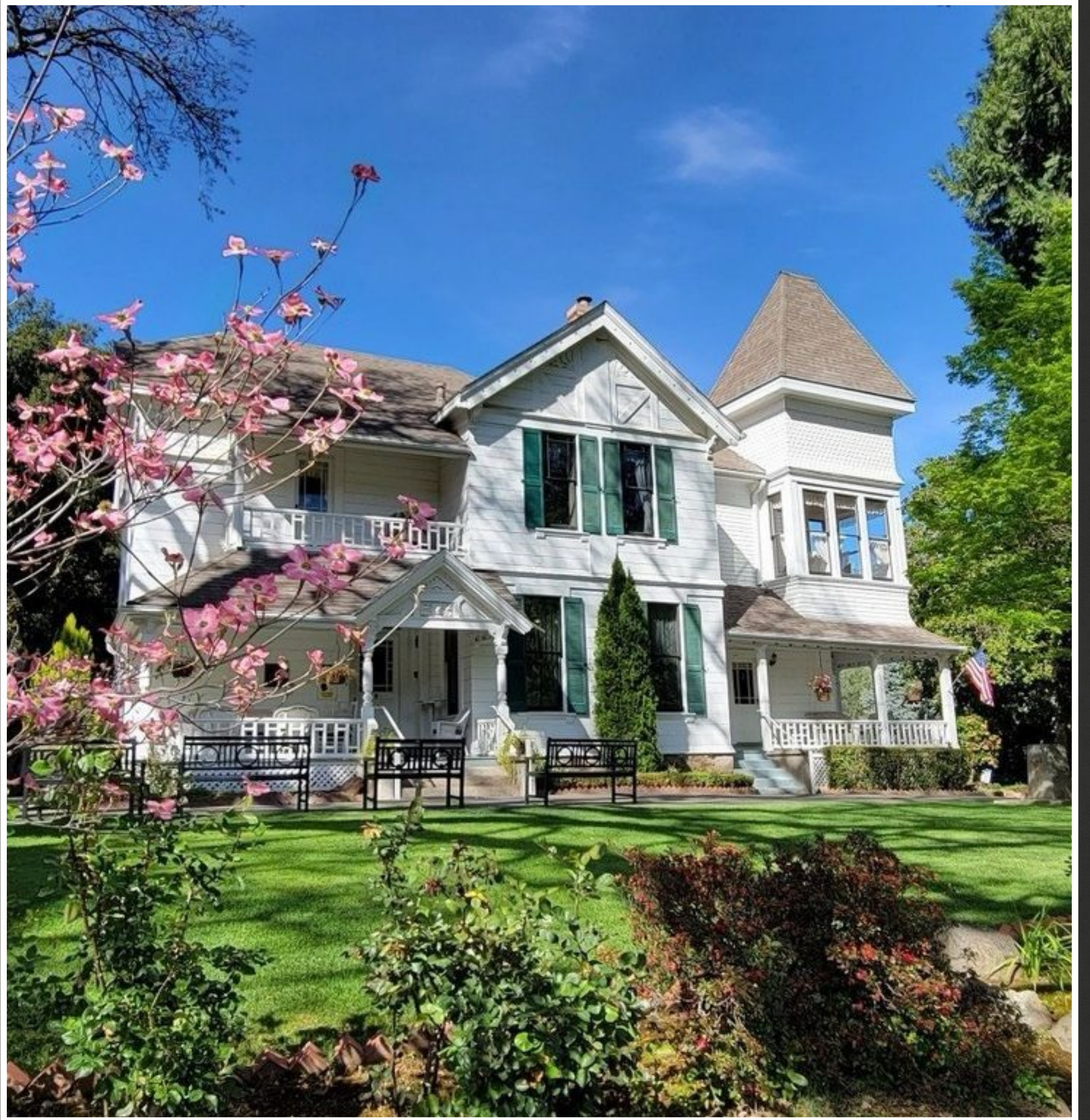
















tto

Florida
General Contractor

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20 April 2020
Call 407-237-1111

ECONOMICS AND FEASIBILITY

BASIC STRUCTURE





WHERE WOULD YOU DO THIS?

CONCRETE BLOCK

- Areas where wood is expensive
- Areas where labor is cheap
- Areas where cooling is the priority over heating
- Areas prone to high winds



WHERE WOULD YOU DO THIS?

INSULATED CONCRETE FORMS

- Areas prone to climatic extremes
- When cost is a lesser concern
- When quiet interior surroundings are a priority
- Areas prone to high winds





WHERE WOULD YOU DO THIS?

STRUCTURAL INSULATED PANELS

- When insulation is the priority
- When budget is not a constraint
- If you don't want thick walls or don't want concrete walls
- Where specialized contractors are available



WHERE WOULD YOU DO THIS?

CONVENTIONAL WOOD FRAMING

- Areas where wood is relatively cheap
- Areas with a temperate climate
- Areas where specialized contractors are not available
- In cases where the budget is a significant factor
- Areas where wood destroying insects are not prevalent
- THIS IS THE MOST COMMON TYPE OF RESIDENTIAL CONSTRUCTION IN MOST AREAS OF THE UNITED STATES



LOCATION DEPENDENT CRITERIA

- Lot shape
- Climate
- Views
- Regulations
- Availability of Materials/Subcontractors

FUNCTION DEPENDENT CRITERIA

- Size of family
- Maintenance considerations

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