

# House Plans & Elevation Design

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## Different Types of Floor Plans

- Floor
- Foundation
- Elevation
- Electrical
- Plumbing
- Construction
- Perspective
- Roof Plan
- Heating & Cooling
- Landscaping
- Furniture
- Expansion

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## Floor Plan

- House layout
- House dimensions
- Room sizes
- Most important and primary design

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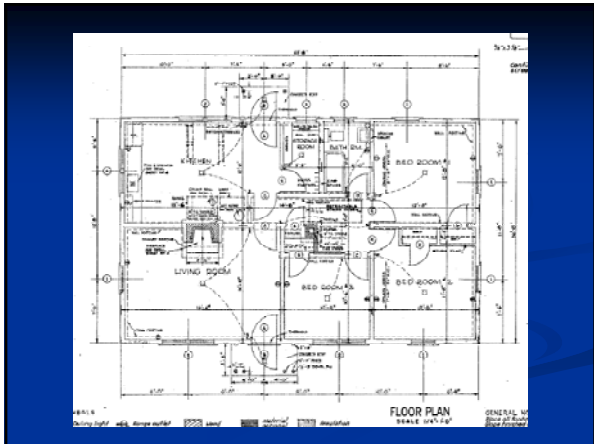
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### Elevation Plan

- Illustrate outside of house
  - Roof (shingle type)
  - Outdoor wall design
- 1Dimensional view – Only shows one side

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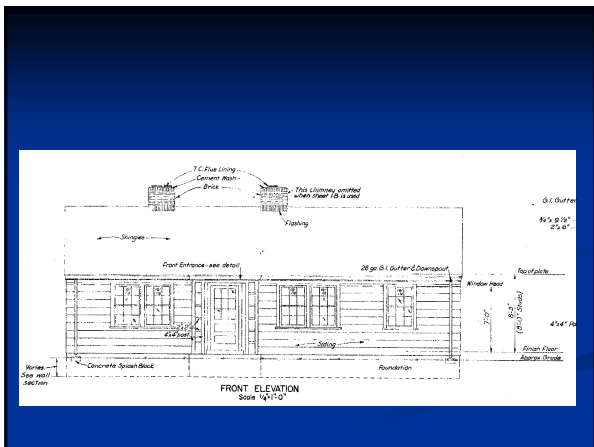
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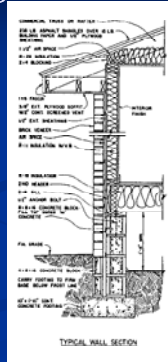
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## Wall Design

- Show X-section of Wall
- Wall thickness
- Insulation
- Foundation & roof
- Vertical dimensions



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## Electrical Plan

- Wiring
- Light Fixtures
- Switches
- Outlets
- Electrical Box



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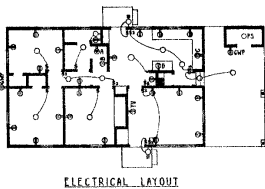
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ELECTRICAL KEY	
○	CEILING OUTLET
□	WALL OUTLET
□	DUPLEX CONFERENCE OUTLET
□	SPLIT-WIRE OUTLET-3-WIRE
□	WATER HEATER OUTLET
□	WASHER OUTLET
□	RANGE OUTLET
□	REFRIGERATOR OUTLET
□	SWITCH AND OUTLET FOR HEATER
□	GROUNDING WATERPROOF OUTLET
□	CPD PULL SWITCH
□	TV TELEVISION OUTLET
□	PUSH BUTTON

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## Plumbing Plan

- Piping
- Hot water heater
- Water fixtures
  - Bath tub
  - Shower
  - Sinks
  - Dishwasher
  - Washer connections



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## Foundation Plan

- Foundation width
- Footings
- For basements, floor thickness



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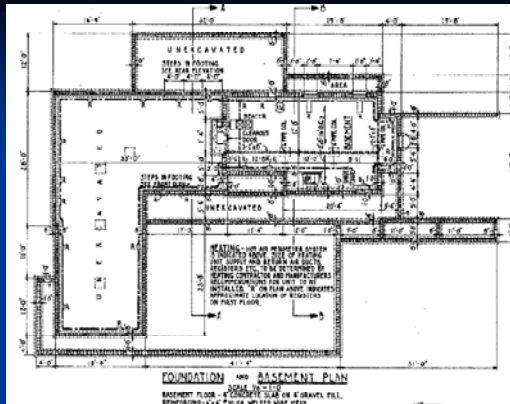
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## Heating/Cooling Plan

- aka HVAC Plan
- ductwork
- Furnace location
- Air conditioner



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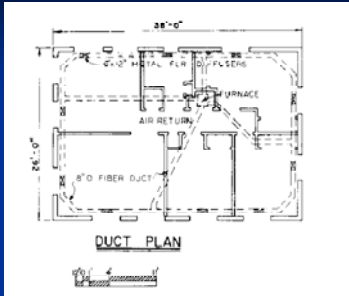
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## Elevation & Floor Plan Symbols

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### North Arrow



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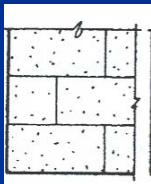
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### Elevation Symbols

■ Concrete block



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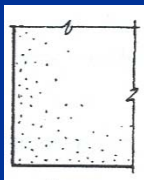
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### Elevation Symbols



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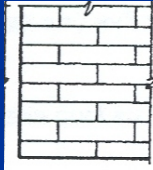

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### Elevation Symbols

- Common brick



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### Elevation Symbols

- Siding



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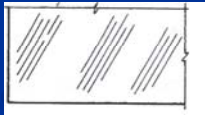

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### Elevation Symbols

- Glass



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### Floor Plan Symbols



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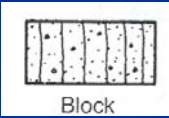
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### Floor Plan Symbols

- Concrete block



Block

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### Floor Plan Symbols

- Common brick



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




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### Floor Plan Symbols - Electrical

		■ Waterproof switch
		■ Three way switch
		■ Single pole switch

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### Floor Plan Symbols - Electrical

■ Waterproof outlet		
■ 230V outlet		
■ Duplex outlet		

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### Floor Plan Symbols - Electrical

		■ Fluorescent light
		■ Ceiling light
		■ Recessed ceiling light

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### Floor Plan Symbols – Electrical

-  ■ Junction Box 
-  ■ Electrical Panel 
-  ■ Quad Outlet 

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### Floor Plan Symbols – Plumbing

-  ■ Cold Water / Hot Water
-  ■ Hot water line
-  ■ Cold water line



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### Plan Symbols – Plumbing

- Hot water heater  
- Well 

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### Plan Symbols – Doors

- Exterior Door 
- Interior Door 
- Sliding Door 



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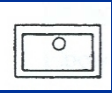

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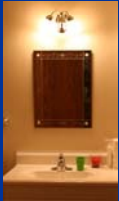

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### Plan Symbols – Bathroom

- Bathtub 
- Vanity 
- Medicine Cabinet 



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### Plan Symbols – Bathroom

- Toilet 
- Shower 



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### Plan Symbols – Kitchen



-  Refrigerator
-  Sink
-  Corner cabinet/lazy susan



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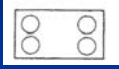
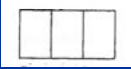

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### Plan Symbols – Kitchen



-  Stove - Range
-  Base Cabinet
-  Wall cabinet

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### Plan Symbols – Other

-  Window
-  Thermostat
-  Trees



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