

**West Test Structure  
1st Floor**

\*CH is 8'-0"

\*Interior walls are 4.5" wide

\*Exterior walls are 2'-0" wide

	Temperature
	Gas
	Bi-Directional Probe

Dimensions:

- Overall width: 37'-0"
- Overall height: 19'-6 1/2"
- Interior width: 25'-4"
- Interior height: 10'-0"
- Stair width: 13'-0"
- Stair height: 11'-6"
- Stair depth: 3'-5 1/2"
- Stair width: 13'-8"
- Stair height: 13'-0"

Locations:

- A1: Gas sensor (gray hexagon) in the stairwell.
- A2: Temperature sensor (red circle) in the main area.
- A3: Temperature sensor (red circle) in the main area.
- A4: Bi-Directional Probe (blue triangle) in the stairwell.
- A5: Temperature sensor (red circle) in the main area.
- A6: Temperature sensor (red circle) in the main area.

Other features:

- Stairs labeled "UP" with an arrow pointing right.
- Gray rectangular area in the bottom right corner.
- Black rectangular areas on the left and right walls.

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Dimensions and Sensor Locations:

- Overall width: 37'-0"
- Overall depth: 19'-6 1/2"
- Staircase width: 13'-8"
- Staircase depth: 10'-0"
- Staircase offset: 11'-6"
- Staircase total depth: 13'-0"
- Staircase total width: 25'-4"
- Staircase total height: 3'-5 1/2"

Sensor Locations:

- A1: Gas sensor (gray hexagon) near staircase.
- A2: Temperature sensor (red circle) near staircase.
- A3: Temperature sensor (red circle) near staircase.
- A4: Temperature sensor (red circle) near staircase.
- A5: Temperature sensor (red circle) near staircase.
- A6: Temperature sensor (red circle) near staircase.

Structural Features:

- Staircase: UP
- Walls: 4.5" interior, 2'-0" exterior
- CH: 8'-0"

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- Overall depth: 19'-6 1/2"
- Staircase width: 13'-8"
- Staircase depth: 10'-0"
- Staircase riser height: 11'-6"
- Staircase stringer depth: 3'-5 1/2"
- Staircase landing depth: 13'-0"
- Staircase total depth: 19'-6 1/2"
- Sensor A1: Gas (Gray hexagon) at the bottom of the staircase.
- Sensor A2: Temperature (Red circle) in the main room.
- Sensor A3: Temperature (Red circle) in the main room.
- Sensor A4: Temperature (Red circle) near the staircase.
- Sensor A5: Temperature (Red circle) near the entrance.
- Sensor A6: Temperature (Red circle) near the entrance.

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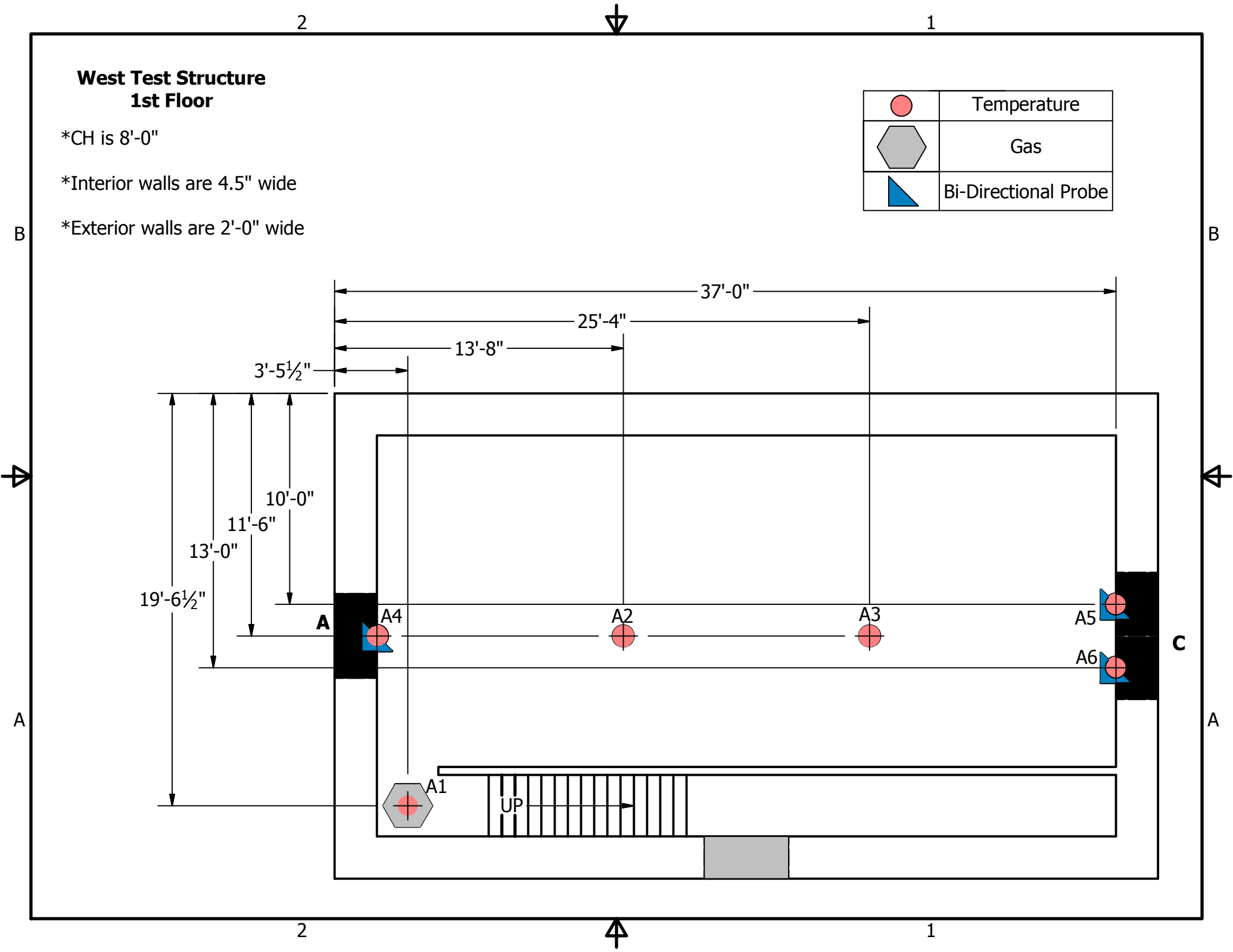
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**West Test Structure  
2nd Floor**

\*CH is 8'-0"

\*Interior walls are 4.5" wide

\*Exterior walls are 6" wide

\*A12 contains two sets of 3 BDPs spaced 8" apart

\*The set of BDPs in A18 begin 2" from the ceiling

The floor plan shows a rectangular structure with various internal partitions, including a staircase labeled 'DOWN'. Sensor locations are marked with symbols: red circles for Temperature, green squares for Heat Flux, grey hexagons for Gas, olive hexagons for Gas for test 29, and blue triangles for Bi-Directional Probes. Dimensions are provided for the overall structure and internal sections.

	Temperature
	Heat Flux
	Gas
	Gas for test 29
	Bi-Directional Probe

Dimensions (feet and inches):

- Overall width: 36'-2"
- Overall height: 18'-9 1/2"
- Internal width segments: 32'-8", 26'-2", 19'-8", 15'-6", 9'-4", 8'-2"
- Internal height segments: 4'-5 1/2", 5'-4", 6'-3 1/2", 9'-0", 12'-0", 15'-2", 15'-6", 18'-6"

Sensor Locations:

- A7: Temperature (Red circle)
- A8: Temperature (Red circle)
- A9: Temperature (Red circle)
- A10: Gas (Grey hexagon)
- A11: Bi-Directional Probe (Blue triangle)
- A12: Bi-Directional Probe (Blue triangle)
- A13: Bi-Directional Probe (Blue triangle)
- A14: Bi-Directional Probe (Blue triangle)
- A16: Heat Flux (Green square)
- A17: Heat Flux (Green square)
- A18: Gas for test 29 (Olive hexagon)
- A19: Temperature (Red circle)

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\*The set of BDPs in A18 begin 2" from the ceiling

The floor plan shows a rectangular structure with various rooms and corridors. A staircase labeled 'DOWN' is located in the lower-left quadrant. Numerous sensors are marked with colored symbols: red circles for Temperature, green squares for Heat Flux, grey hexagons for Gas, olive hexagons for Gas for test 29, and blue triangles for Bi-Directional Probes. The sensors are labeled A7 through A19. A12 is located on the left wall, A11 on the bottom-left wall, A16 in the central corridor, A10 near the staircase, A17 and A18 on the bottom wall, and A13, A14 on the right wall. A19 is on the bottom wall near the right corner. A8 is on the top wall, and A9 is on the bottom wall. Dimensions are provided for various sections: 36'-2" and 32'-8" for the top width; 26'-2", 19'-8", 15'-6", 9'-4", and 8'-2" for horizontal segments; 18'-9 1/2", 18'-6", 15'-6", 15'-2", 12'-0", 9'-0", 6'-3 1/2", 5'-4", and 4'-5 1/2" for vertical segments. A legend in the top right corner defines the sensor symbols.

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