

Secret Lair Blueprint

Engineers use science and math to design and build solutions to solve important problems. And a hero without a lair is definitely a very big problem. Fortunately, you have the engineering skills to save the day.

The first step to building a good lair is to understand what your hero client needs.

Client name: _____

Lair location (circle one in each row):

Urban (in a city)

Rural (in the country)

Aboveground

Underground

If the lair is in a city, what type of building is it likely to be in or under?

If the lair is in the country, will the lair be a stand-alone structure or part of another building or landform?

Types of activities the lair will be used for (circle any that apply):

Hiding

Storing vehicles

Inventing tools and gadgets

Underground

Tracking nemeses

Changing from everyday identity into hero

Other: _____

How many rooms will the lair need? _____

What will keep the secret lair secret (how will it be camouflaged)?

Engineers draw plans for a given solution (in this case a secret lair), then they build a prototype or model to get a better idea of whether their plan meets the needs of their client. They then revise their model based on both their own ideas and feedback from others to make it better.

Draw a schematic (diagram) of the lair you plan to build. Use the back of this sheet.