

Rockford Chimney Supply: Freestanding Stove Through Flat Ceiling

If you're installing a freestanding stove in a room with a flat ceiling, this guide will help you figure out the stove pipe and chimney pipe lengths needed! We've narrowed in on all of the measurements you'll need to gather. With these measurements, you can put together a parts list on our website or send the measurements off to us and one of our Certified Technicians will send you a parts list! Just follow the guide below and let us know if you have any questions along the way - we're here to help.

One more thing to keep in mind before you move on to the guide - this particular guide is for a freestanding stove being installed in an area without a chimney which will need to pass through a flat ceiling - like the picture to the left. If you are looking for a different installation setup, please visit our [Measuring Guide page](#) and choose the correct setup.

Once this form is completed, please email it to emogan@rockfordchimneysupply.com or call us at 866-708-2446

A. Stove Exhaust

- A1: What fuel is the stove burning? (wood, pellet, gas, etc.)
- A2: Is the exhaust outlet on the top or the back of the stove?
- A3: What is the inside measurement of the exhaust hole?
- A4: Are you planning on installing single wall black stove pipe (18" clearance to combustibles) or double wall black stove pipe (6" clearance to combustible walls / 8" clearance to combustible ceilings)

B. Black Stove Pipe Lengths (used from the stove to the chimney pipe)

- B1: What is the height from the exhaust hole to the flat ceiling?
- B2: Are any offsets (elbows) needed in order to reach the ceiling? We offer 45 and 90 degree offset elbows.
- B3: If you do need to offset the pipe from the ceiling penetration, what is the offset measurement from the center of the exhaust hole to the center point of the ceiling penetration?

C. Class A Chimney Pipe Lengths (used to pass through combustibles and into the outdoors)

- C1: What is the thickness of the ceiling joist? (Distance from the bottom of the ceiling to the top of the ceiling joist on the next level of the home or in the attic)
- C2: Is there an occupied living space above the flat ceiling? If so, what is the measurement from the floor to the next ceiling? (Skip this question if there is no living space above the first floor where the wood stove is located)
- C3: Is there an attic space above the flat ceiling? If so, what is the measurement from the top of the ceiling joist in the attic to the bottom of the roof deck?
- C4: Is there an offset needed for the pipe above the first ceiling penetration? If so, what is the measurement from the center point of the first ceiling penetration to the center point of the next ceiling or roof penetration? (Skip this step if the pipe is going straight up)

D. Roofing

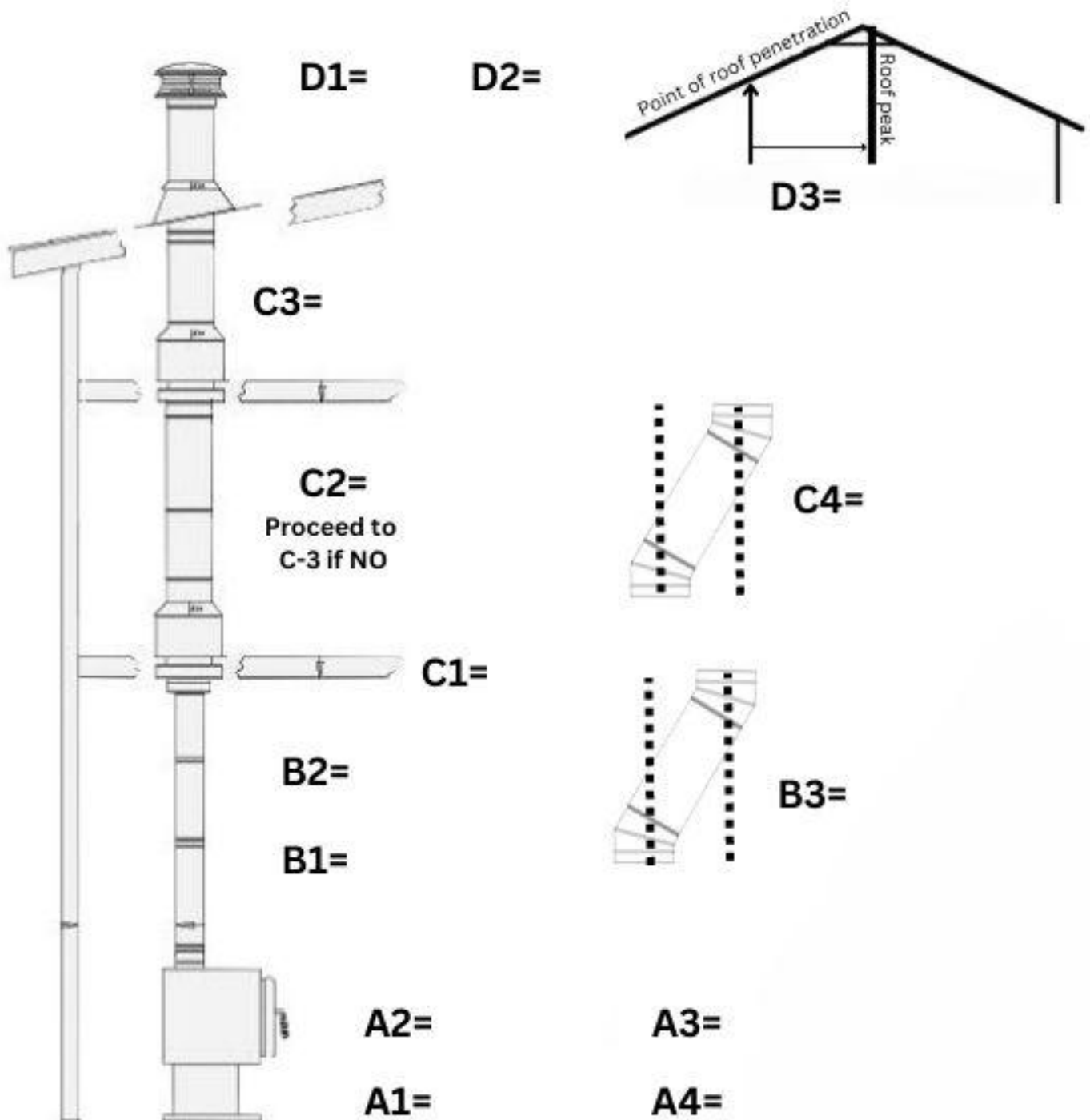
- D1: What material is covering the roof (shingle, metal, etc.)?
- D2: What is the roof pitch? [Here is a helpful article on measuring roof pitch.](#)
- D3: What is the lateral distance from the point where the pipe is going to pass through the roof to the peak of the roof? This measurement along with the roof pitch is going to dictate the height required for the pipe to be above the roof. [Here is a helpful article explaining the height requirements.](#)

E. Extra Notes

E1: Every installation is different and nothing is standard in the chimney world! Please provide any additional information about your setup here if needed.

Note: When ordering, please be sure to allow an extra 1-1/2" for overlap wherever liner sections will be joined together.

Please answer the questions listed above or fill out the diagram below - whichever is best for you.



IRC, NFP 211, building codes, and local jurisdiction codes are ever changing. It is the installer's responsibility to be sure they are installing their components properly. Any questions about our products can be phoned in to one of our Certified Technicians.