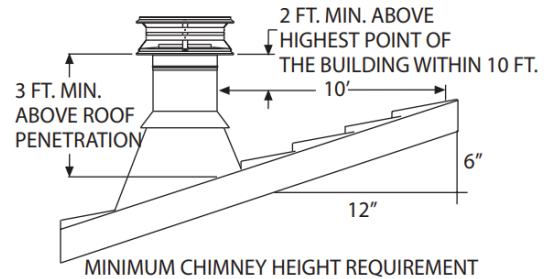


# S2100 CHIMNEY - MULTI-STORY INSTALL USING THE XRCS SUPPORT

## CHIMNEY HEIGHT – Follow the “3-2-10” Rule



The chimney shall extend at least 3 feet above its point of contact with the roof, and at least 2 feet higher than any wall, roof or adjacent building within 10 feet of it. On a sloped roof, the roof itself will usually be the highest point. With steeper pitch, you will need to have more chimney above the roof deck.

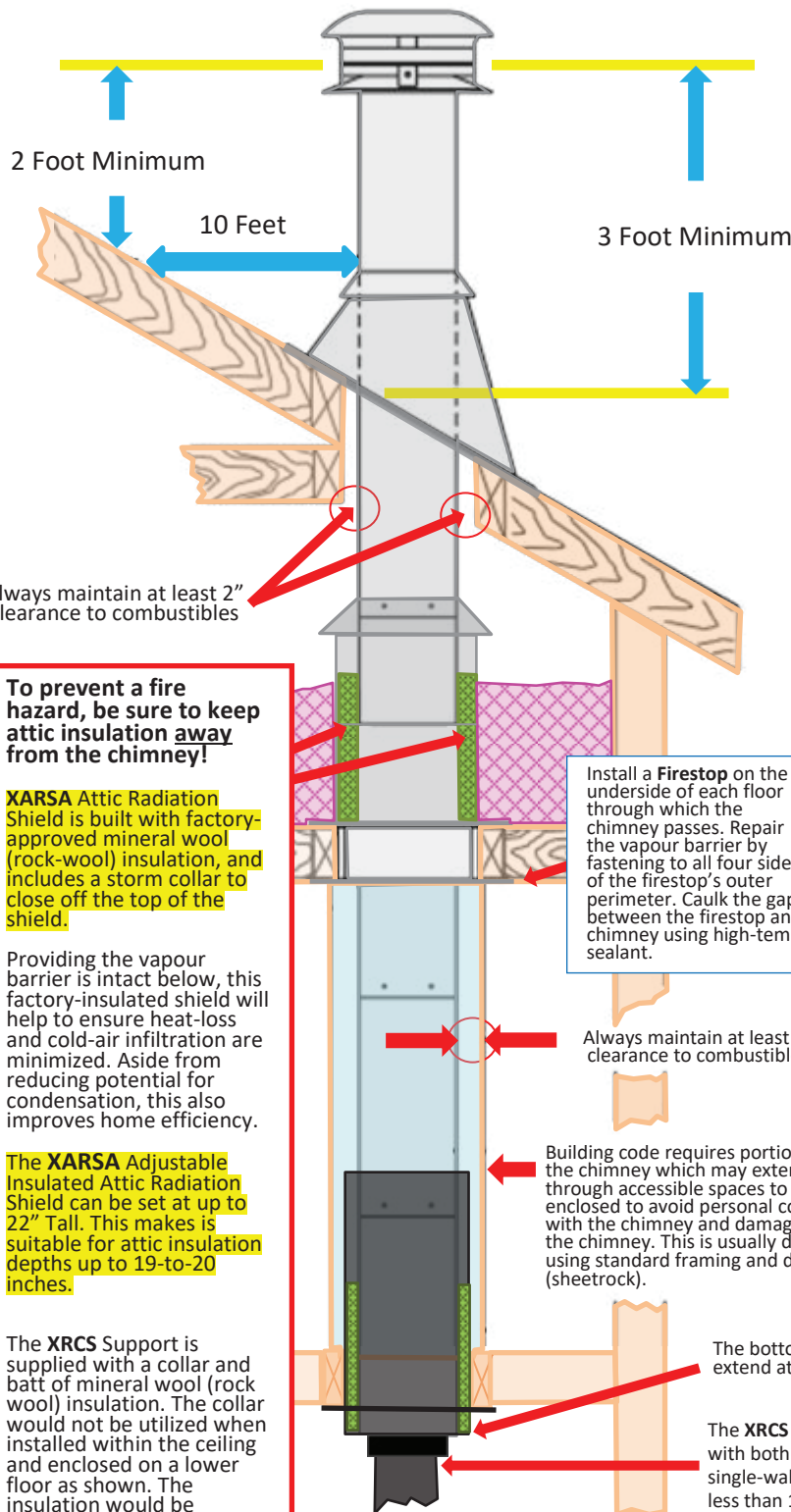
The maximum height of the chimney above the roof is 5 feet. The rain cap is not included within the height calculation.

If the chimney extends more than 5 feet above the roof, a Universal Roof Brace must be used to help provide protection from the effects of wind-loading.

The XRCS Support is square. It can be used in flat, vaulted, or cathedral ceilings. When used as shown in a multi-story application, a firestop and XARSA Attic Radiation Shield would be required within the floor above.

**IMPORTANT:** The XRCS is designed to reduce clearances between the chimney and surrounding combustible materials to just one-inch. This allows the chimney to fit within a smaller frame – ideal when working within narrow joist spacing.

Required clearances to the chimney above the portion protected by the XRCS box are still 2". This must be considered prior to framing & sheeting the enclosure.



2 Foot Minimum

10 Feet

3 Foot Minimum

Always maintain at least 2" clearance to combustibles

To prevent a fire hazard, be sure to keep attic insulation away from the chimney!

XARSA Attic Radiation Shield is built with factory-approved mineral wool (rock-wool) insulation, and includes a storm collar to close off the top of the shield.

Providing the vapour barrier is intact below, this factory-insulated shield will help to ensure heat-loss and cold-air infiltration are minimized. Aside from reducing potential for condensation, this also improves home efficiency.

The XARSA Adjustable Insulated Attic Radiation Shield can be set at up to 22" Tall. This makes it suitable for attic insulation depths up to 19-to-20 inches.

The XRCS Support is supplied with a collar and batt of mineral wool (rock wool) insulation. The collar would not be utilized when installed within the ceiling and enclosed on a lower floor as shown. The insulation would be optional (not required).

Install a Firestop on the underside of each floor through which the chimney passes. Repair the vapour barrier by fastening to all four sides of the firestop's outer perimeter. Caulk the gap between the firestop and chimney using high-temp sealant.

Always maintain at least 2" clearance to combustibles

Building code requires portions of the chimney which may extend through accessible spaces to be enclosed to avoid personal contact with the chimney and damage to the chimney. This is usually done using standard framing and drywall (sheetrock).

The bottom portion of the XRCS Support must extend at least 3 1/2" below the ceiling.

The XRCS comes equipped with a standard Flue Extension that is compatible with both single-wall or double-wall stovepipe. The clearance between single-wall stovepipe and unprotected combustible materials must not be less than 18". Stovepipe clearances can be reduced to as little as 6" by using Security's DL Double-Wall Stovepipe.

The information shown in this document is intended for sales & training purposes only. Prior to starting any installation, review our product catalog and certified installation instructions to ensure you have selected the correct components. A copy of the instructions is included with the XRCS Support. You can also find this document on our website at: [www.securitychimneys.com](http://www.securitychimneys.com)

