



Planning and Development
Attn: Codes Administration Department
220 SE Green
Lee's Summit, MO 64063

Permit Number: 2017-0757
Project Address: 1700 NE Parkwood Drive – Lot 49
Project Number: 03-191-13

After review of the roof plan on sheet A4 we have determined the use of 2x6 purlins and 2x4 braces will be adequate for this project per the 2012 IRC R802.5.1 that states:

R802.5.1 Purlins

Installation of purlins to reduce the span of rafters is permitted as shown in Figure R802.5.1. Purlins shall be sized no less than the required size of the rafters that they support. Purlins shall be continuous and shall be supported by 2-inch by 4-inch (51 mm by 102 mm) braces installed to bearing walls at a slope not less than 45 degrees (0.785 rad) from the horizontal. The braces shall be spaced not more than 4 feet (1219 mm) on center and the unbraced length of braces shall not exceed 8 feet (2438 mm).

