

BSC Information

What's Wrong With This Project?

Interior Framed Beam

Sheet 705



- Interior framed beam; note the cripple studs are not required above the beam/below the windows

Issue

Horizontally layered site-made beam.

Description of Implementation Error

Typical construction throughout the house.

Risks

Had Advanced Framing techniques been used an overall savings of approximately \$2,000 per building would have been realized. The money could have been available to improve other building components to make them more energy efficient in addition to increasing the builder's profit margin and improving the marketability of the product.

Required Corrections

Use an engineered LVL instead and Advanced Framing techniques.

References

BSI-030: Advanced Framing¹

¹ Lstiburek, Joseph. (February 2010). "BSI-030: Advanced Framing." Building Science Corporation, <http://www.buildingscience.com/documents/insights/bsi-030-advanced-framing/>. Accessed January 7, 2011.