## **BSC Information** Sheet 707

What's Wrong With This Project?

# **Non-Load Bearing Framing**



Identify a load bearing header (left) vs. non-load bearing header (right)





Excessive framing in a non-load bearing wall above a sliding glass door (above left), in a non-load bearing door opening (above right), in a non-load bearing wall above a window (below left) and in a non-load bearing wall above a bay window (below right)





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#### **Issue**

Framing non-load bearing doors and windows the same as load bearing walls.

#### **Description of Implementation Error**

Extra framing used around non-load bearing windows and doors throughout building.

#### **Risks**

Incorporating Advanced Framing techniques around the windows would greatly reduce the wood required below the top plate of the upper story, and it's estimated that between \$500 and \$750 in material costs could be saved in this example alone had a single beam been used directly under the roof trusses.

### **Required Corrections**

Identify non-load bearing walls and use Advanced Framing techniques to reduce the amount of wood required around windows and doors.

#### References

BSI-030: Advanced Framing<sup>1</sup>

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.

