

BSC Information

What's Wrong With This Project?

Non-Load Bearing Framing

Sheet 707



- 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*)



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 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.