

BSC Information

What's Wrong With This Project?

Inset Flanged Window

Sheet 702



Issue

Inset flanged windows in a 2x6 wall resulted in significant extra wood around window opening.

Description of Implementation Error

These walls are framed at 2x6 and architectural considerations resulted in an inset window design. The windows are on the interior edge of the wall. The windows are flanged windows, so in order to install the windows on the interior edge, a double 2x4 interior window buck needed to be installed in the 2x6 wall framing. This resulted in significant excess wood, which could have been avoided had the windows been installed on the exterior surface of the wall.

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

Install windows on the exterior surface of the wall using Advanced Framing techniques.

References

BSI-030: Advanced Framing¹;
Water Management Guide²

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.

2 Lstiburek, Joseph. (2006). *Water Management Guide*. Westford, MA: Building Science Press.