

2x6 with R19 Batt Insulation, Insulated Headers, Advanced Framing

COMPONENTS

R-VALUES

Wood/Vinyl Siding		0.59
Min. 7/16 Performance Category Wood Structural Panels		0.62
Cavity Insulation (R19 compressed fiberglass batts)		18
5-1/2" Framing		6.88
5-1/2" Insulated Headers	18% framing + 4% headers = 22% framing factor	9.6 ^(b)
Air films and 1/2" Drywall		1.38
Net Effective R-Value of the Total Solid Wall		16.62
Total Wall U-Factor		0.060

(a) 22% framing factor is calculated using studs at 24" o.c. (framing factor = 22%), or studs at 16" o.c. (framing factor = 25%) with a combination of insulated corners, insulated interior-exterior wall intersections and limited cripple supports at door and window openings (4% maximum reduction in framing percentage, 3% assumed). See page 7 for additional information. This assembly is subject to verification and approval by the local authority having jurisdiction.

(b) R9.6 represents a triple-ply wood header consisting of 4.5" of wood and 1" of minimum R4/inch insulation. Any header that exceeds this R-value (e.g., an R13.8 double-ply header, as shown in Table 2) can be used.

