

2x4 with R15 Batt Insulation, Insulated Headers, Insulated Siding, Advanced Framing

COMPONENTS	R-VALUES
Insulated Siding	3.0
Min. 7/16 Performance Category Wood Structural Panels	0.62
Cavity Insulation (R15 high density fiberglass batts, or equivalent)	15
3-1/2" Framing	4.38
3-1/2" Insulated Headers	13.9 ^(b)
18% framing + 4% headers = 22% framing factor	
Air films and 1/2" Drywall	1.38
Net Effective R-Value of the Total Solid Wall	16.59
Total Wall U-Factor	0.060

(a) 22% framing factor is calculated using 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) R13.9 represents a single-ply wood header consisting of 1.5" of wood and 2" of minimum R6/inch insulation.

