

Dream House EXAMPLE

Game Room:

Area $15' \times 25' = 375$ sq. feet

Perimeter 80 feet

Hardwood Flooring from Home Depot costs \$6.94/square foot

$$\$6.94 \times 375 \text{ sq. ft} = \$2602.50$$

Movie Room:

Area $15' \times 30' = 450$ sq. feet

Perimeter 90 feet

Carpet from Home Depot costs \$2.98/ square foot

$$\$2.98 \times 450 = \$1341.00$$

Master Bedroom

Area $12' \times 37' = 444$ sq. feet

Perimeter 98 feet

Carpet from Home Depot costs \$2.98/ square foot

$$\$2.98 \times 444 = \$1323.12$$

Bathroom

Area $6' \times 8' = 48$ sq. feet

Perimeter 28 feet

Porcelain tile from Home Depot costs \$1.99/ square foot

$$\$1.99 \times 48 = \$95.52$$

Kitchen

Area $12' \times 10' = 120$ sq. feet

Perimeter 44 feet

Porcelain tile from Home Depot costs \$1.99/ square foot

$$\$1.99 \times 120 = \$238.80$$

Total Area = $27' \times 55' = 1485$ sq. feet

Total Perimeter = $27' + 27' + 55' + 55' = 164$ feet

Total Cost to Build (not including flooring) = $1485' \times \$99.00 = \$147,015$

Total Cost of Flooring (carpet, tile, hardwood) = $\$5,600.94$

Total Cost to Build = $\$147,015 + \$5,600.94 = \$152,615.94$

Amount under budget = $\$200,000 - \$152,615.94 = \$47,384.06$

