

Description		Minimum	Maximum
Architect fees (% of construction cost)	%	5%	20%
Architect fees	Hourly	\$ 100.00	\$ 250.00
Architect fess	SF	\$ 2.00	\$ 15.00
Architect fees (average total cost)		\$ 5,000.00	\$ 60,000.00
basic plans		\$ 2,000.00	\$ 20,000.00
full house and design		\$ 15,000.00	\$ 80,000.00
remodels	%	10%	20%

**Percentage-based architectural fees guidelines**

Service level	Percentage fee	Includes
Basic design & limited services	5% – 10%	Includes plans and limited services only
Moderate design & full services	10% – 15%	Includes full design services, construction documents, bidding, and new construction administration
High-level design & full services	15% – 20%	Includes full design services, construction documents, bidding, and new construction administration for more complex projects

**Architect cost per square foot**

Service	Cost per square foot	Includes
Concept development	\$1 – \$5	Includes the initial consultation and basic design plans
Construction documents	\$1 – \$5	Include detailed plans and specifications required for permit approval and an accurate estimate of construction costs

Construction administration	\$2 – \$5	Includes bidding and negotiating with builders and conducting site visits to ensure construction adheres to the architectural drawings
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**Residential architect fee calculator**

Construction type	Average fee
Concept designs only	5% – 8%
Custom home / new build	8% – 15%
Remodel, addition, or extension	10% – 20%

**Pre-designed vs. custom house plans cost**

Type	Average cost
Pre-designed stock building plans	\$500 – \$5,000
Custom house plans	\$2,000 – \$20,000

**Description**                      **unit**      **minimum**    **maximum**

**General contractor charges**

Charge type		Average cost	
Percentage markup of construction cost		10% – 20%	
Hourly rate		\$50 – \$150 per hour	
Daily rate		\$300 – \$500 per day	
Typical deposit (of total contract price)		20%	25%

Construction manager (of project cost)		5%	15%
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Description                      minimum    maximum

**Structural engineer costs**

Fee type	Average cost
House inspection and report	\$350 – \$900
Engineering design plans and drawings	\$500 – \$3,000
Hourly rate	\$100 – \$220
Per square foot	\$0.50 – \$2.00
Percentage of construction cost (new house)	1% – 3%
Percentage of construction cost (addition or remodel)	1% – 5%
Percentage of construction cost (commercial)	0.5% – 2.5%

**Structural engineer fee percentage**

Project	Percentage fees	Total cost for engineer
New house construction	1% – 3%	\$1,600 – \$12,501
House renovation / remodel	1% – 5%	\$1,900 – \$3,701
House extension / addition	1% – 5%	\$2,200 – \$3,701
Commercial construction	0.5% – 2.5%	\$4,000 – \$190,000

<b>Description</b>	<b>unit</b>	<b>total</b>
<b>Insurance</b>		
Builders risk, standard, minimum	job	0.24%
maximum	job	0.64%
all-risk type, minimum	job	0.25%
maximum	job	0.62%
contractors equipment floater, minimum	value	0.50%
maximum	value	1.50%
public liability	job	2.02%
<b>workers comp &amp; employer liability</b>		
minimum (clerical)	payroll	0.52%
maximum (steel erection, roofers)	payroll	35.99%
<b>Permits</b>		
rule of thumb, most cities, minimum	job	0.50%
maximum	job	2.00%
<b>Survey</b>		
minimum	acre	\$487.53
maximum	acre	\$3,391.36
misc. charges minimum (monuments & ea.		\$189.10
maximum, small quantities max	acre	\$2,085.78
<b>Geotechnical Investigations</b>		
borings, earth, drill rig, crew		\$1,739.84
inner city borings add, minimum		10%
add maximum		20%

Description	unit	minimum	maximum	total	length ft	width ft	height ft
<b>Foundations (online)</b>							
Average price				\$ 10,720.00			
500 SF		\$ 2,500.00	\$ 12,500.00				
800 SF		\$ 4,000.00	\$ 20,000.00				
1,000 SF		\$ 5,000.00	\$ 25,000.00				
1,500 SF		\$ 7,500.00	\$ 37,500.00				
2,000 SF		\$10,000.00	\$ 50,000.00				
<b>Concrete wall</b>							
8" thick, poured concrete wall example	SF			\$ 15.32	40		4
12" thick, poured concrete wall example	SF			\$ 17.52	40		4
<b>Footing (RS Means)</b>							
1' thick x 2' wide x 1' length footing (2 SF) example 1' thick x 4' wide x 40' long	LF			\$ 21.05 \$ 1,684.00			
<b>Driveway</b>							
asphalt driveway to 10' wide	SF			\$ 4.65	example 20	25	
concrete driveway to 10' wide	SF			\$ 6.94	example 20	25	
pavers, brick driveway to 10' wide	SF			\$ 14.25	example 20	25	
<b>Caissons</b>							
stable ground, 3000 PSI concrete 2' x 50'	Ea.			\$ 2,545.49			
stable ground, 3000 PSI concrete 2' - 6" x 50'	Ea.			\$ 4,130.28			
<b>Concrete slab</b>							
slab on grade, 4" thick, reinforced example driveway 20' x 25'	SF 500 SF			\$ 4.95 \$ 2,475.00			

total

160 \$2,451.20

160 \$2,803.20

500 \$2,325.00

500 \$3,470.00

500 \$7,125.00

Description	unit	minimum	maximum	total	length ft	width ft	height ft
<b>Retaining walls</b>							
concrete retaining walls, reinforced, level/ sloped backfill, 4' - LF		\$ 111.04	\$ 914.43				
example 40' length	40	\$ 4,441.60	\$ 36,577.20		40		
<b>Underground Drainage</b>							
	LF						
<b>Foundation Repairs</b>							
Foundation cracks (seal and strap)	Ea.	\$ 600.00	\$ 2,000.00				
Foundation lifting	Ea.	\$20,000.00					
Mudjacking/ slabjacking	Ea.	\$ 500.00	\$ 1,300.00				
Pier underpinning	Ea.	\$ 1,000.00	\$ 3,000.00				



total

Description	unit	minimum	maximum	total	length ft	width ft	height ft
Remove load bearing wall (1-story home)		\$ 25,000.00	\$ 35,000.00				
Remove load bearing wall (2-story home)		\$ 15,000.00	\$ 22,000.00				
example Remove load bearing wall (1-story home)					10		8
example Remove load bearing wall (2-story home)					10		8
example Remove load bearing wall (1-story home)					20		8
example Remove load bearing wall (2-story home)					20		8
Remove non-loadbearing wall		\$ 500.00	\$ 1,200.00				
Frame-in for window		\$ 300.00	\$ 900.00				
Frame-in for door		\$ 300.00	\$ 1,900.00				

total

\$ 8,000.00

\$ 7,250.00

\$ 14,000.00

\$ 12,500.00

Description	Unit	Minimum	Maximum
<b>Fencing</b>			
Basketweave, 3/8" x 4" boards. 2" x 4" stringers on spreaders, 4" x 4" posts example	LF 100	\$ 29.94 \$ 2,994.00	\$ 37.02 \$ 3,702.00
Boardfence, 1" x 4" boards, 2" x 4" rails, 4" x 4" posts example	LF 100	\$ 15.67 \$ 1,567.00	\$ 27.85 \$ 2,785.00
ShadowBox, 1" x 6" boards, 2" x 4" rails, 4" x 4" posts example	LF 100	\$ 14.64 \$ 1,464.00	\$ 32.12 \$ 3,212.00
ChainLink, galv, alum, vinyl, 1-5/8" post 10' O.C., 1-3/8" top rail, 2" corner post, 3'hi example	LF 100	\$ 12.11 \$ 1,211.00	\$ 29.41 \$ 2,941.00

<b>Description Additions</b>	<b>unit</b>	<b>minimum</b>	<b>maximum</b>	<b>total</b>	<b>length ft</b>	<b>width ft</b>	<b>height ft</b>	<b>total SF</b>	<b>total \$</b>
Average cost addition	SF	\$ 170.00	\$ 250.00						
example 1 (100 SF)		\$ 17,000.00	\$ 25,000.00		10	10		100	
example 2 (400 SF)		\$ 68,000.00	\$ 100,000.00		20	20		400	
example 3 (800 SF)		\$ 136,000.00	\$ 200,000.00					800	
example 4 (1,000 SF)		\$ 170,000.00	\$ 250,000.00					1000	
example 5 (2,000 SF)		\$ 340,000.00	\$ 500,000.00					2000	
Average cost 2nd floor addition	SF	\$ 200.00	\$ 500.00						
example 1 (400 SF)		\$ 80,000.00	\$ 200,000.00					400	
example 2 (800 SF)		\$ 160,000.00	\$ 400,000.00					800	
example 3 (1,000 SF)		\$ 200,000.00	\$ 500,000.00					1,000	
example 4 (2,000 SF)		\$ 400,000.00	\$1,000,000.00					2,000	

Description Remodels	unit	minimum	maximum	total	length ft	width ft	height ft	total	total \$
Kitchen without redesign	SF	\$ 150.00	\$ 250.00						
example 1 (100 SF)	SF	\$ 15,000.00	\$ 25,000.00					100	
example 2 (500 SF)	SF	\$ 75,000.00	\$ 125,000.00					500	
example 3 (1,000 SF)	SF	\$ 150,000.00	\$ 250,000.00					1,000	
Kitchen. w/ redesign	SF	\$ 500.00	\$ 700.00						
example (100 SF)	SF	\$ 50,000.00	\$ 70,000.00					100	
example 2 (500 SF)	SF	\$ 250,000.00	\$ 350,000.00					500	
example 3 (1,000 SF)	SF	\$ 500,000.00	\$ 700,000.00					1,000	
Bathroom (half - master)	SF		125	275					

3' x 5'	15	\$1,800	\$4,100
4' x 6'	24	\$1,900	\$4,400
4' x 8'	32	\$3,900	\$8,800
5' x 7'	35	\$4,200	\$9,600
5' x 8'	40	\$4,900	\$10,900
5' x 9'	45	\$5,500	\$12,300
5' x 10'	50	\$6,100	\$13,700
6' x 6'	36	\$4,400	\$9,900
6' x 8'	48	\$5,900	\$13,100
6' x 9'	54	\$6,600	\$14,800
6' x 10'	60	\$7,300	\$16,400
7' x 9'	63	\$7,700	\$17,200
8' x 8'	64	\$7,800	\$17,500
8' x 10'	80	\$9,800	\$21,900
9' x 10'	90	\$11,000	\$24,600
10' x 10'	100	\$12,200	\$27,400
10' x 12'	120	\$14,700	\$32,800
11' x 9'	99	\$12,100	\$27,100

12' x 13'	156	\$19,000
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\$42,800

Description minimum maximum

Appliances  
Average cost to buy new 2100 \$5,400

<b>Appliance prices</b>			
Appliance	Basic	Average	High-end
Refrigerator	\$200 – \$600	\$600 – \$2,300	\$2,300 – \$5,000
Chest freezer	\$190 – \$350	\$350 – \$800	\$800 – \$2,200
Upright freezer	\$160 – \$450	\$450 – \$1,100	\$1,100 – \$2,900
Stove / range	\$530 – \$600	\$600 – \$1,300	\$1,300 – \$3,000
Cooktop	\$230 – \$400	\$400 – \$1,300	\$1,300 – \$3,000
Wall oven	\$460 – \$1,100	\$1,100 – \$3,400	\$3,400 – \$5,400
Dishwasher	\$400 – \$800	\$800 – \$1,200	\$1,200 – \$3,000
Washing machine	\$450 – \$700	\$700 – \$1,300	\$1,300 – \$2,000
Clothes dryer	\$400 – \$800	\$800 – \$1,200	\$1,200 – \$2,300
Microwave	\$60 – \$100	\$100 – \$600	\$600 – \$2,000
Range hood	\$50 – \$100	\$100 – \$600	\$600 – \$1,650
Wine fridge	\$150 – \$400	\$400 – \$1,200	\$1,200 – \$2,800
Central vacuum unit	\$230 – \$600	\$600 – \$1,000	\$1,000 – \$1,700
Water softener	\$350 – \$600	\$600 – \$2,000	\$2,000 – \$4,000
Under-sink filtration system	\$50 – \$100	\$100 – \$250	\$250 – \$600
Whole-house filtration system	\$300 – \$650	\$650 – \$4,800	\$4,800 – \$7,500
Garbage disposal	\$70 – \$100	\$100 – \$300	\$300 – \$600

**Appliance package prices**

Package	Average price range*
Basic	\$1,200 – \$2,101
Average	\$2,100 – \$5,401



High-end		\$5,400 – \$13,001
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Description Countertops	unit	minimum	maximum	total	length ft	width ft	height ft	total	total \$
<b>Material</b>	<b>SF</b>	<b>Installed</b>							
<b>Natural stone</b>									
Granite		\$80		\$ 150.00					
Marble		\$40		\$ 150.00					
Quartzite		\$65		\$ 150.00					
Soapstone		\$60		\$ 130.00					
Labradorite		\$200		\$ 300.00					
Onyx		\$50		\$ 200.00					
Slate		\$50		\$ 100.00					
Travertine		\$40		\$ 150.00					
<b>Engineered / Solid surface</b>									
Quartz, engineered stone90% natural quartz 10% resins and pigments.		\$50		\$ 200.00					
Caesarstone		\$50		\$ 100.00					
Concrete		\$50		\$ 150.00					
Corian, natural minerals and acrylic resin formed into a solid, non-porous surface.		\$50		\$ 150.00					
Epoxy (mix of liquid resin and chemical hardener.)		\$50		\$ 150.00					
Laminate / Formica, (thin sheet of plastic layered on top of plywood or MDF)		\$20		\$ 80.00					
Porcelain		\$50		\$ 120.00					
Recycled glass		\$60		\$ 250.00					
<b>Wood (Maple, birch, and oak)</b>									
Bamboo		\$50		\$ 125.00					
Butcher block		\$50		\$ 150.00					
Teak		\$100		\$ 200.00					
<b>Metal</b>									

Stainless steel		\$80	\$ 200.00
Copper		\$100	\$ 200.00
Zinc		\$90	\$ 200.00

<b>Kitchen size</b>			
Small kitchen (70 – 99 SF)	20 – 30	\$1,000	\$ 4,500.00
Average kitchen (100 – 200 SF)	30 – 40	\$1,500	\$ 6,000.00
Large kitchen (200+ SF)	40 – 60+	\$6,000	\$ 9,000.00

**Description Cabinets**  
**cost of kitchen cabinets**

unit

total

length ft width ft

Kitchen size	Square footage	Stock or semi-custom cabinets cost	Custom cabinets cost
Small kitchen	70 – 100	\$3,000 – \$12,000	\$12,000 – \$20,000
Average kitchen	100 – 200	\$4,500 – \$15,000	\$15,000 – \$30,000
Large kitchen	200+	\$6,000 – \$20,000+	\$18,000 – \$36,000+

**Cost to install hardware**

Ea.

\$1 - \$200

**Cost per Linear feet or per cabinet to install**

Type	Cost per cabinet*	Cost per linear foot*	Quality
Stock / RTA cabinets	\$220 – \$500	\$100 – \$400	Low to good
Semi-custom cabinets	\$250 – \$850	\$150 – \$700	Low to great
Custom cabinets	\$600 – \$1,600+	\$500 – \$1,200	Good to great

**New cabinet cost by kitchen size**

Kitchen size	Cabinet linear feet	Stock or semi-custom cabinets cost	Custom cabinets cost
8'x8'	12 – 16	\$1,800 – \$8,000	\$9,000 – \$20,000
10'x10'	20 – 22	\$3,000 – \$11,000	\$10,000 – \$26,500
10'x12'	22 – 25	\$3,300 – \$12,500	\$11,000 – \$30,000
12'x12'	25 – 30	\$3,800 – \$15,000	\$12,500 – \$32,000
15'x15'	30 – 40	\$4,500 – \$20,000	\$15,000 – \$36,000
20'x20'	40 – 50	\$6,000 – \$25,000	\$20,000 – \$40,000+

**Standard kitchen cabinet sizes**

Cabinet type	Height	Width	Depth
Base cabinet	34.5"*	12" – 48"	21" – 24"*
Wall cabinet	12" – 42"	12" – 42"	12" – 24"
Tall cabinet	84", 90", or 96"	18" – 36"	12" – 24"
Filler cabinet	34.5"	6" – 9"	21" – 24"

height ft total total \$

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**Kitchen cabinet accessories cost**

Accessory or add-on	Average cost installed
Pull-out trash/recycling can cabinet	\$200 – \$450+
Pull-out spice rack cabinet	\$200 – \$500+
Lazy Susan corner storage	\$200 – \$600+
Blind corner cabinet pull-out organizer	\$300 – \$1,000
Tray / pan dividers	\$100 – \$300
Pegged drawer organizer	\$100 – \$300
Appliance / mixer lift	\$200 – \$400
Wine rack / cradle	\$100 – \$400
Tilt-out below-sink organizer	\$100 – \$300

**Cabinet designs**

**Partial overlay / framed** – The cabinet frame is visible around the edges of each door and in the small gap between sets of doors.

**Full overlay / frameless** – The doors completely cover the cabinet face frame, with no gap between the doors or around the edges. Frameless or full overlay cabinets cost 20% to 50% more than framed cabinets.

**Inset** – The doors are set flush within the inside edge of the opening. Inset cabinets cost up to twice as much as framed cabinets.

**Slab / flat** – A flat panel without decoration for a contemporary, minimalist look.

**Shaker** – A recessed-panel style door with a simple raised frame featuring no beveling or detail.

**Beadboard / beaded** – A center panel with vertical lines or grooves cut into the wood, creating a tongue-and-groove appearance.

**Raised panel** – A door with a thicker, raised center panel that tapers to a raised frame, creating a square or arched design.



**Recessed panel** – A large, flat center panel surrounded by a raised frame of four boards or bevels.

**Mullion** – A glass-front door with a grid of wood braces dividing the glass panel into window-like panes.

**Open frame** – A door with a single glass center panel and no mullions.

**Louvered** – A door with a center panel of angled horizontal slats that allow air to pass through for improved ventilation.





Description Plumbing	unit	minimum	maximum	total	length ft	width ft
cost to plumb new home (2,000 SF) 2-3 baths		\$ 8,000.00	\$ 12,000.00			
rough-in plumbing (2,000 SF)	SF	\$ 4.50				
repiping an existing home (2,000 SF)		\$ 3,100.00	\$ 5,500.00			
repiping an existing home (2,000 SF)	LF	\$ 0.40	\$ 2.00			
cost per fixture (bathtubs, sinks, toilets, etc.)		\$ 450.00	1,800			
replace water service (from street to house)		\$ 800.00	\$ 2,000.00			
replace water service (from street to house)	LF	\$ 32.00	\$ 53.00			
total cost for rough-in and all fixtures		12,000	20,000			

Plumbing Installation Cost	
National Average Cost	\$4,080
Minimum Cost	\$1,500
Maximum Cost	\$15,000
Average Range	\$2,280 to \$5,120

**Rough-In Plumbing Costs**

Item or Location	Average Cost	
Dishwasher	\$ 400.00	\$ 600.00
Double Sink & Faucet	\$ 400.00	\$ 600.00
Stove	\$ 450.00	\$ 1,700.00
Washing Machine	\$ 450.00	\$ 1,700.00
Water Heater	\$ 600.00	\$ 1,800.00
Dryer	\$ 450.00	\$ 1,700.00
Furnace	\$ 600.00	\$ 1,800.00

**Home Rough-In Plumbing Costs Per Bathroom**

Number of Baths	Average Cost	
One Bath	\$1,500	\$3,000

height ft total total \$

Two Baths		\$3,000	\$6,000
Three Baths		\$4,500	\$9,000
Four Baths		\$6,000	\$12,000

**Cost to Replumb a House**

Pipe Material		2,000 SF Home	
Install PEX Tubing		\$ 2,000.00	\$ 4,000.00
Install Copper Pipe		\$ 8,000.00	\$ 16,000.00
Replace Galvanized Pipes		\$ 2,000.00	\$ 15,000.00
Replace Lead and Polybutylene Pipe		\$ 2,000.00	\$ 15,000.00
Remove Existing Pipes		\$ 1,000.00	\$ 5,000.00
Replace Water Main		\$ 800.00	\$ 2,000.00
Install Water Main (Meter to Home)		\$ 1,700.00	\$ 3,000.00

Plumbing Material Rates	
Material	Price Per Linear Foot
Copper, 1/2"	\$1.03
Copper, 3/4"	\$1.75
Copper, 1"	\$3.04
PEX, 1/2"	\$0.30
PEX, 3/4"	\$0.60
PEX, 1"	\$0.82
CPVC, 1/2"	\$0.40
CPVC, 3/4"	\$0.66
CPVC, 1" x 5 ft.	\$1.56



Description

**Water heater installation cost**

Type	Average cost
Standard tank	\$600 – \$1,800
Tankless	\$800 – \$3,500
Solar	\$1,500 – \$6,600
Hybrid heat pump	\$1,500 – \$4,400
Indirect	\$1,200 – \$4,300

**Water heater prices by gallon**

Tank size (gallons)	Price range
30	\$300 – \$900
40	\$330 – \$1,500
50	\$400 – \$2,050
75	\$850 – \$2,500
80	\$900 – \$2,600

**New water heater cost by type**

Type	Unit cost	Labor cost	Total cost installed
Standard tank (gas)	\$400 – \$1,800	\$200 – \$1,000	\$600 – \$2,802

Standard tank (electric)	\$300 – \$1,100	\$200 – \$1,000	\$500 – \$2,102
Tankless (gas)	\$400 – \$2,100	\$300 – \$2,501	\$700 – \$4,602
Tankless (electric)	\$300 – \$1,000	\$300 – \$1,501	\$600 – \$2,502
Solar	\$1,000 – \$6,000	\$2,000 – \$3,001	\$3,000 – \$9,002
Hybrid heat pump	\$1,200 – \$2,800	\$300 – \$1,600	\$1,500 – \$4,402
Indirect	\$900 – \$2,800	\$300 – \$1,500	\$1,200 – \$4,302

### Hot water tank cost vs. tankless

Factor	Tank	Tankless
Average unit price	\$400 – \$1,000	\$500 – \$1,503
Average cost installed	\$600 – \$1,800	\$800 – \$3,503
Lifespan	8 – 15 years	13 – 20 years
Installation time	2 – 6 hours	6 – 10 hours
Annual operating cost	\$225 – \$350 (gas)	\$150 – \$260 (gas)
	\$440 – \$580 (electric)	\$300 – \$535 (electric)
Energy sources	Gas	Gas
	Electric	Electric
	Propane	Propane
	Oil-fired	
	Indirect	
	Hybrid	
	Solar	

Pros	Cheaper	Energy-efficient
	Easier to install	Unlimited hot water supply
	Lower maintenance costs	Longer lifespan and warranty
	Lower repair costs	Compact and space-saving
	Operates during power loss (gas systems only)	
Cons	Less energy-efficient	More expensive
	Shorter lifespan	Limited flow rates
	Runs out of hot water when the tank empties	Special venting requirements
	Takes up more space	Requires a larger diameter gas pipe

**Hot water tank cost by brand**

Brand	Warranty length (years)	Price range
American Standard	6 or 12	\$360 – \$1,021



AO Smith	6, 9, or 12	\$300 – \$2,101
Bradford White	6	\$450 – \$2,601
Reliance	6, 9, 10, or 12	\$300 – \$1,601
Rheem	6, 8, or 9	\$330 – \$1,451
State	6, 8, or 10	\$470 – \$2,551

Description Electrical	unit	minimum	maximum	total	length ft	width ft	height ft	total	total \$
wire new house	SF	4	9						
rewire a house	SF	5	17						
cost to replace knob and tube		12000	35000						
cost to replace knob and tube	SF	8	17						
wire new house(1,500 - 2,500 SF)		6000	22500						
Electrical wiring costs	LF	0.1	4						
cost to run electrical to out building	LF	10	25						
Electrical rough-in labor costs	hour	50	130						
Electrical panel install	Ea.	850	2500						
Electrical panel upgrade (from 100 amp to 200 amp)	Ea.	1400	2800						
Electrical install new circuit and breaker	Ea.	150	300						
Electrical install new dedicated circuit	Ea.	250	900						
Electrical install outlet	Ea.	150	350						
Replace existing outlet with a GFCI	Ea.	90	200						
Install new light switch	Ea.	100	300						
to ground an outlet	Ea.	100	300						
to install Service entrance conductor SEC		2500	12500						

**Electrical cost per square foot**

Factor	New construction cost per square foot	Rewiring cost per square foot
Materials	\$2 – \$4	\$2 – \$7
Labor	\$2 – \$5	\$3 – \$10
Total installation cost	\$4 – \$9	\$5 – \$17

**Electrical installation cost calculator**

Square feet	Average cost to rewire
250	\$1,000 \$2,300

500		\$2,000	\$4,500
800		\$3,200	\$7,200
1,000		\$4,000	\$9,000
1,200		\$4,800	\$10,800
1,500		\$6,000	\$13,500
2,000		\$8,000	\$18,000
2,500		\$10,000	\$22,500
3,000		\$12,000	\$27,000
3,500		\$14,000	\$31,500
4,000		\$16,000	\$36,000

**Electrical cost by room**

Room	Square feet	Average cost to wire	
Kitchen	100 – 200	\$400	\$1,800
Bedroom	130 – 230	\$520	\$2,100
Bathroom	40 – 150	\$160	\$1,400
Living room	200 – 450	\$800	\$4,100
Basement	500 – 1,500	\$2,000	\$13,500
Garage	288 – 576	\$1,200	\$5,200
Shed	50 – 450	\$200	\$4,100
Shop or metal building	1,200 – 5,000	\$1,500	\$7,800+

**Electrical wire pricing**

Wire type		Material price per linear foot* >	
Coaxial-Insulated to shield outside interference Cable, internet, and video communications		\$0.10	\$0.60
Direct buried-Rated for wet, dry, or damp environments Designed to run underground without conduit Underground power lines, underground		\$0.50	\$3.00
Metallic sheathed AC/BX- "Armored cable" (AC): NM cable protected with flexible		\$0.60	\$4.00

(AC); NM cable protected with flexible aluminum cover Rodent, nail, and screw resistant			
Multiple-conductor- Cable containing 2+ individually insulated conducting wires <del>Computer audio/video security and fire-</del>		\$0.20	\$1.00
Non-metallic sheathed (NM cable)- Flexible plastic sheathing containing 2+ insulated conductors; <del>rated for dry locations only</del>		\$0.50	\$3.00
Ribbon- Multiple parallel, low-voltage wires forming a flat, flexible cable <del>LED strip lighting stereo/sound equipment</del>		\$0.80	\$1.80
Shielded twisted pair (STP)- Wires twisted tother and wrapped in extra foil or mesh to <del>reduce electromagnetic and radio frequency</del>		\$0.20	\$0.40
Twin-lead- Flat plastic ribbon cable with two parallel conductors. Carries radio frequency (RF) signals; connects antennas and radio receivers.		\$0.60	\$0.90
Underground feeder- Inside/outside cable May require conduit <del>Carries electricity from primary building to</del>		\$0.50	\$1.30

Description HVAC	unit	minimum	maximum	total	length ft	width ft	height ft	total	total \$
HVAC New construction	SF	\$ 1.75	\$ 2.50						
HVAC replacement (W/O ductwork)		\$ 5,000.00	\$ 11,000.00						
HVAC replacement (W/ ductwork)		\$ 7,000.00	\$ 16,000.00						
HVAC replacement (w/ ductwork& add ons)		\$ 9,500.00	\$ 18,500.00						
Ductwork replacement costs		\$ 1,400.00	\$ 5,600.00						
Installation labor		\$ 1,000.00	\$ 3,000.00						

**HVAC system cost per square foot**

House size (square feet)	Average cost to install
1,000	\$ 3,000.00 \$ 6,000.00
1,200	\$ 3,600.00 \$ 7,200.00
1,600	\$ 4,800.00 \$ 9,600.00
2,000	\$ 6,000.00 \$ 12,000.00
2,500	\$ 7,500.00 \$ 15,000.00
3,000	\$ 9,000.00 \$ 18,000.00

**Cost to replace HVAC system by unit**

HVAC unit	Average cost to replace*
<a href="#">Central air conditioner cost</a>	\$2,500 \$7,500
<a href="#">Ductless mini-split HVAC cost</a>	\$3,000 \$10,000
<a href="#">Furnace cost</a>	\$2,000 \$5,400
<a href="#">Heat pump cost</a>	\$3,800 \$8,200
<a href="#">Geothermal heat pump cost</a>	\$15,000 \$35,000
<a href="#">Boiler cost</a>	\$2,200 \$10,000
<a href="#">Baseboard heater cost (each)</a>	\$400 \$1,200
<a href="#">Radiant floor heating cost</a>	\$1,500 \$6,000
<a href="#">Whole-house fan cost</a>	\$600 \$2,300
<a href="#">Window AC unit cost</a>	\$300 \$1,100

**Residential HVAC unit cost per ton**

Size	BTU	AC unit price	AC system cost installed
1.5 Tons	18,000	\$1,000 – \$3,800	\$2,000 – \$5,000
2 Tons	24,000	\$1,200 – \$4,000	\$2,500 – \$5,500
2.5 Tons	30,000	\$1,500 – \$4,500	\$2,700 – \$6,000
3 Tons	36,000	\$1,700 – \$5,000	\$3,000 – \$6,500
3.5 Tons	42,000	\$1,800 – \$5,200	\$3,100 – \$7,000
4 Tons	48,000	\$2,000 – \$5,500	\$3,500 – \$7,500
5 Tons	60,000	\$2,500 – \$6,000	\$4,000 – \$8,000

**HVAC system prices by brand**

Brand	AC unit*	Furnace*	Heat pump*
Amana	\$1,300 – \$4,500	\$900 – \$2,900	\$1,000 – \$4,800
American Standard	\$1,500 – \$4,300	\$850 – \$3,000	\$1,500 – \$4,500
Bryant	\$1,400 – \$3,500	\$800 – \$3,400	\$1,600 – \$4,500
Carrier	\$2,500 – \$5,800	\$1,000 – \$2,800	\$2,100 – \$4,900
Coleman	\$1,300 – \$3,500	\$800 – \$2,000	\$1,300 – \$4,700
Goodman	\$1,200 – \$3,000	\$600 – \$3,200	\$1,100 – \$3,900
Heil	\$1,400 – \$3,000	\$1,700 – \$2,200	\$1,200 – \$4,700
Lennox	\$1,600 – \$5,600	\$1,400 – \$7,500	\$2,200 – \$5,700
Rheem / Ruud	\$1,800 – \$5,500	\$800 – \$3,900	\$1,400 – \$3,800

Trane	\$1,600 – \$5,800	\$1,200 – \$3,400	\$1,800 – \$4,200
York	\$1,400 – \$4,700	\$800 – \$2,000	\$1,400 – \$3,600

**High-efficiency HVAC prices**

HVAC efficiency		AC unit prices		Efficiency
13 – 14 SEER		\$1,000	\$ 4,200.00	Standard efficiency
15 – 16 SEER		\$1,500	\$ 5,700.00	High efficiency
17 – 18 SEER		\$1,800	\$ 6,100.00	High efficiency
19 – 21 SEER		\$2,500	\$ 7,500.00	Very high efficiency
22 – 26 SEER		\$3,700	\$ 8,500.00	Maximum efficiency

Seer rating divide its cooling output by its electric energy input, during a typical cooling season. The higher the number, the more efficient.

example - A/C puts out 5,000,000 BTU, while using 3,000,000 kW of electricity, its SEER is 16.6

**How to size an HVAC system**

Air conditioner – 16 to 30 BTUs per square foot of living space

Furnace – 25 to 50 BTUs per square foot of living space

Description Roof	unit	minimum	maximum	total	length ft	width ft	height ft	total
Roof replacement (installed)	SF	\$ 3.00	\$ 6.00					
Roof replacement (installed)		\$ 5,700.00	\$ 16,000.00					
Roof replacement (installed)	Square	\$ 300.00	\$ 600.00					
Roofing labor costs	Square	\$ 150.00	\$ 300.00					

**Average cost of a new roof**

National average cost	\$10,800
Minimum cost	\$2,700
Maximum cost	\$26,800
Average range	\$5,700 to \$16,000

**Roof replacement cost calculator**

Factors	Cost per square	
Old roof removal*	\$100	\$ 300.00
Roof materials	\$100	\$ 250.00
Replacement labor	\$200	\$ 350.00
Total cost to replace	\$400	\$ 900.00

**Cost to replace a roof**

House size (square feet)	Roof size* (square feet)	Average cost to reroof	
1,000	1,120	\$3,500	\$6,700
1,100	1,230	\$3,700	\$7,500
1,200	1,340	\$4,000	\$8,000
1,300	1,450	\$4,400	\$8,700
1,400	1,565	\$4,700	\$9,500
1,500	1,675	\$5,000	\$10,100
1,600	1,790	\$5,500	\$10,700
1,700	1,900	\$5,700	\$11,400



Description Roof	unit	minimum	maximum	total	length ft	width ft	height ft	total
1,800	2,010	\$6,000	\$12,000					
1,900	2,125	\$6,400	\$12,800					
2,000	2,235	\$6,700	\$13,400					
2,200	2,460	\$7,400	\$14,800					
2,300	2,570	\$7,700	\$15,500					
2,500	2,795	\$8,500	\$16,800					
2,800	3,130	\$9,400	\$18,800					
3,000	3,355	\$10,100	\$20,100					
3,500	3,915	\$11,700	\$23,500					
4,000	4,470	\$13,400	\$26,800					

### Roofing material prices

Roof type		Material cost per square*		Lifespan (years)
Asphalt 3-tab shingles		\$80	\$130	15 – 20
Architectural / dimensional shingles		\$100	\$250	20 – 30
Wood shakes		\$300	\$700	25 – 30
Metal		\$100	\$800	30 – 80+
Tile		\$300	\$2,500	30 – 100+
Slate / stone		\$600	\$1,600	50 – 200+
Flat / rolled / built-up		\$15	\$800	5 – 60
Solar shingles / tiles		\$1,000	\$2,500	25 – 30

### Roof cost estimates by type

Roof type	Cost per square foot installed	Average total cost	
Asphalt shingles	\$3 – \$6	\$7,500	\$14,001
Metal	\$5 – \$16	\$7,500	\$40,001
Tile	\$7 – \$25	\$10,500	\$62,501
Wood shakes	\$7 – \$15	\$12,900	\$28,201

Description Roof	unit	minimum	maximum
Slate / stone	\$10 – \$30	\$22,000	\$70,001
Flat	\$3 – \$11	\$4,000	\$16,801

total

length ft width ft height ft

total

**Metal roofing cost**

Roof type	Cost per square foot installed	Average total cost
<a href="#">Corrugated / sheet metal roof cost</a>	\$5 – \$12	\$6,000 – \$22,000
<a href="#">Standing seam metal roof cost</a>	\$9 – \$16	\$13,500 – \$40,000
<a href="#">Metal shingle roof cost</a>	\$6 – \$14	\$9,000 – \$35,000
<a href="#">Stone-coated steel roof cost</a>	\$7 – \$13	\$12,200 – \$25,900
Stainless steel roof cost	\$10 – \$21	\$15,000 – \$52,500
<a href="#">Copper roof cost</a>	\$13 – \$30	\$19,500 – \$75,000
<a href="#">Tin roof cost</a>	\$6 – \$18	\$9,000 – \$45,000
<a href="#">Zinc roof cost</a>	\$10 – \$20	\$15,000 – \$50,000

**Tile roof cost calculator**

Tile type	Cost per square foot installed	Average total cost
<a href="#">Concrete tile roof cost</a>	\$7 – \$19	\$10,500 – \$47,500
<a href="#">Clay tile roof cost</a>	\$8 – \$25	\$20,000 – \$55,000
<a href="#">Terracotta tile roof cost</a>	\$9 – \$26	\$21,000 – \$60,000
Slate tile roof cost	\$10 – \$30	\$22,000 – \$70,000

**Description Roof**                      **unit**                      minimum                      maximum                      total                      length ft                      width ft                      height ft                      total

<b>Flat roof replacement cost</b>			
Material		Cost per square foot installed	
<a href="#">Built-up / tar &amp; gravel roof cost</a>		\$3.50	\$7.52
<a href="#">EPDM rubber membrane roof cost</a>		\$3.50	\$10.02
<a href="#">TPO membrane roof cost</a>		\$4.00	\$10.02
PVC membrane roof cost		\$5.00	\$12.02
Fiberglass (GRP) roof cost		\$3.50	\$7.52
<a href="#">Modified bitumen roof cost</a>		\$4.00	\$7.52
<a href="#">Rolled asphalt roof cost</a>		\$2.00	\$5.02
<a href="#">Spray foam roof cost</a>		\$3.50	\$7.02
Metal roof cost		\$5.00	\$16.02
Concrete roof cost		\$4.00	\$15.02

### Roof structure replacement

Roof decking replacement	SF	\$ 2.00	\$ 5.00
Roof truss replacement	SF	\$ 5.00	\$ 14.00
Roof framing replacement	SF	\$ 6.00	\$ 15.00
Fascia/ soffit repair		\$ 500.00	\$ 2,600.00
Flashing repair		\$ 200.00	\$ 500.00
Flashing complete replacement		\$ 400.00	\$ 1,000.00

### Roof repairs

minor repairs		\$ 200.00	\$ 800.00
major repairs		\$ 1,000.00	\$ 3,000.00
Asphalt shingles		\$ 350.00	\$ 1,500.00
Flat roof		\$ 300.00	\$ 1,100.00
Metal roof		\$ 300.00	\$ 1,500.00
Slate		\$ 500.00	\$ 2,100.00

**Siding cost by material**

Siding material	Cost per square foot installed	Average total cost (2,500 SF house)	Lifespan (years)
Vinyl	\$4 – \$12	\$10,000 – \$30,000	30 – 40
Aluminum	\$6 – \$10	\$15,000 – \$25,000	25 – 40
Board and Batten	\$5 – \$13	\$12,500 – \$32,500	20 – 100
Brick	\$8 – \$18	\$20,000 – \$45,000	20 – 75 (faux brick) 100+ (real brick)
Cedar	\$6 – \$16	\$15,000 – \$40,000	20 – 40
Engineered wood	\$7 – \$12	\$12,500 – \$37,500	30 – 50
Fiber cement	\$6 – \$15	\$15,000 – \$37,500	50 – 75
Log / wood	\$5 – \$15	\$12,500 – \$37,500	20 – 40
Masonite	\$4 – \$8	\$10,000 – \$20,000	20 – 40
Steel	\$7 – \$16	\$17,500 – \$40,000	40 – 70
Stone	\$10 – \$45	\$10,000 – \$25,000*	30 – 75
Stucco	\$7 – \$17	\$17,500 – \$42,500	50 – 80

Description Insulation	unit	minimum	maximum	total	length ft	width ft	height ft	total
Insulation costs (installed)	SF	\$ 1.00	\$ 4.50					
Cost to insulate		\$ 1,600.00	\$ 8,000.00					
Insulation material prices	SF	\$ 0.50	\$ 2.80					
cost to install	SF	\$ 0.50	\$ 1.70					
Insulation replacement (include removal)	SF	\$ 2.00	\$ 8.00					

**Cost to insulate a house**

House size (square feet)	Average installed cost	
500	\$ 500.00	\$ 2,252.00
1,000	\$ 1,000.00	\$ 4,502.00
1,200	\$ 1,200.00	\$ 5,402.00
1,500	\$ 1,500.00	\$ 6,752.00
2,000	\$ 2,000.00	\$ 9,002.00
2,500	\$ 2,500.00	\$ 11,252.00
3,000	\$ 3,000.00	\$ 13,502.00
3,500	\$ 3,500.00	\$ 15,752.00

**Home insulation installation costs by location**

Home area to insulate	Average cost installed		Cost per square foot
Attic	\$1,000	\$2,702	\$ 1.00 - \$ 4.00
Basement	\$600	\$4,602	\$ 1.20 - \$ 2.90
Ceiling (average room)	\$240	\$1,502	\$ 1.20 - \$ 3.00
Ceilings (whole house)	\$2,400	\$7,502	\$ 1.20 - \$ 3.00
Crawl space and under floor	\$500	\$3,702	\$ 1.00 - \$ 4.50
Garage	\$600	\$3,402	
HVAC / pipes	\$800	\$2,002	
Mobile home	\$700	\$5,002	

total \$

Pole barn		\$3,500	\$16,502	
Roof		\$1,000	\$5,102	\$ 1.00 - \$ 4.50
Room (walls and ceiling)		\$830	\$4,602	
Room (walls only)		\$630	\$2,202	
Shed		\$400	\$4,102	
Wall cavity – exterior (whole house)		\$1,400	\$8,502	\$ .80 - \$ 4.60
Wall cavity – interior (whole house)		\$5,100	\$47,402	

**Insulation cost per square foot comparison**

Insulation type	Cost per square foot installed
Cavity batt and roll	\$0.80 – \$2.60
Blown-in	\$1.00 – \$2.80
Spray foam	\$1.00 – \$4.50
Reflective or radiant barrier	\$0.30 – \$2.00
Rigid foam board	\$1.20 – \$3.70

**New insulation prices by material**

Material	Price per square foot*	R-value (per inch)	Insulation type
Fiberglass	\$0.30 – \$1.30	2.2 – 2.9	Batt or blown-in
Cellulose	\$0.30 – \$1.80	3.1 – 3.8	Batt or blown-in
Rockwool (mineral wool)	\$1.00 – \$2.50	3.2 – 4.1	Batt or blown-in
Blue Jean	\$1.00 – \$2.00	3.5 – 3.7	Batt





Cork	\$3.00 – \$6.50	3.6 – 4.2	Board
Wood Fiber	\$4.50 – \$11.00	3.0 – 4.0	Board
Open-cell spray polyurethane	\$0.30 – \$0.50 per board foot	3.5 – 3.7	Spray foam
Closed-cell spray polyurethane	\$0.90 – \$1.00 per board foot	5.0 – 7.0	Spray foam
Polystyrene (extruded/XPS or expanded/EPS)	\$0.25 – \$0.70 per board foot	3.6 – 5.0	Rigid foam board
Polyisocyanurate	\$0.40 – \$0.75 per board foot	6.0 – 8.0	Rigid foam board

**Insulation replacement cost**

Factor	Average cost per square foot
Remove old insulation	\$1.00 – \$2.00
Insulation material & supplies	\$0.50 – \$4.30
Prep and installation labor	\$0.50 – \$1.70
Total cost to replace	\$2.00 – \$8.00

**Labor cost to install insulation**



Insulation type/location	Labor cost per square foot
Attic	\$0.50 – \$1.30
Crawl space	\$0.50 – \$1.30
Batt/roll	\$0.50 – \$1.30
Blown-in	\$0.70 – \$1.70
Radiant barrier	\$0.20 – \$1.40
Spray foam	\$0.60 – \$1.10

**Insulation type and R-value needed**

Area	Recomm ended R-value	Insulation options
Attic	30 – 60	Blown-in
		Blanket / batt and roll
		Spray foam
Basement	13 – 30	Rigid foam board
		Faced flame-resistant batts
Ceiling	30 – 60	Blown-in
		Blanket / batt and roll
		Spray foam
Crawl space or floor	13 – 30	Rigid foam board
		Spray foam



		Blanket / batt and roll (unvented crawl space only)
Existing walls	13 – 21	Blown-in
		Injection foam
Garage ceiling	30 – 60	Blown-in
		Spray foam
		Blanket / batt and roll
		Reflective insulation
Garage door	6 – 14+	Rigid foam board
		Fiberglass garage door kit
		Radiant barrier or reflective insulation
Garage walls	13 – 15	Blanket / batt and roll (new/unfinished walls)
		Rigid foam board (new/unfinished walls)
		Blown-in (existing walls)
		Injection foam (existing walls)
HVAC / ductwork	6 – 12	Foil-faced fiberglass
		Spray foam



Roof	30 – 49	Spray foam
		Rigid foam board
		Cathedral batts
		Structural insulated panels (SIPs)





Description	unit	minimum	maximum
Window replacement	Ea.	450	1500
Skylight replacement (single)	Ea.	450	650
Skylight replacement (full)	Ea.	800	2400

**Window replacement cost**

# of single-hung windows	Average total cost installed	
1	\$450	\$1,500
2	\$900	\$3,000
5	\$2,250	\$7,500
10	\$4,500	\$15,000
15	\$6,750	\$22,500
20	\$9,000	\$30,000
25	\$11,250	\$37,500
30	\$13,500	\$45,000

**Window replacement prices by material**

Window material	Total cost installed (per window)	
Aluminum	\$175	\$1,000
Vinyl	\$200	\$1,500
Fiberglass	\$400	\$2,000
Wood	\$800	\$3,800
Composite	\$400	\$2,300

**Cost of new windows by type**

Window type	Price per window (unit only)	Total cost per window installed
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Awning	\$300 – \$1,600	\$400 – \$2,001
Bay	\$1,500 – \$3,500	\$2,000 – \$6,001
Bow	\$2,000 – \$6,000	\$3,000 – \$8,000+
Casement	\$300 – \$2,500	\$400 – \$3,001
Double-hung	\$250 – \$2,000	\$350 – \$2,501
Single-hung	\$200 – \$1,600	\$300 – \$2,101
Egress	\$1,000 – \$3,500	\$3,000 – \$7,001
Garden window	\$700 – \$3,000	\$1,000 – \$4,001
Hurricane / storm	\$300 – \$800	\$400 – \$1,201
Picture	\$200 – \$800	\$300 – \$1,301
Sliding	\$200 – \$1,800	\$300 – \$2,301
Skylight	\$150 – \$2,000	\$800 – \$2,401

#### Window replacement by Pane

Number of panes	Average cost installed
<a href="#">Double-pane window cost</a>	\$400 – \$2,000
<a href="#">Triple-pane window cost</a>	\$450 – \$3,000

#### Window prices by brand

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Window brand	Average cost installed (per window)
Alside	\$400 – \$2,300
<a href="#">Andersen Windows cost</a>	\$400 – \$4,000
Champion Windows	\$450 – \$2,100
Feldco	\$500 – \$1,800
Harvey	\$700 – \$1,800
<a href="#">Marvin Windows cost</a>	\$800 – \$2,000
Milgard Windows	\$700 – \$2,000
<a href="#">Pella Windows cost</a>	\$300 – \$3,500
<a href="#">Window World cost</a>	\$300 – \$1,300*

### Cost to repair or replace a skylight

Service	Average cost
Glass replacement	\$150 – \$600
Dome replacement	\$350 – \$900
Motor replacement	\$350 – \$700
Blinds replacement ( <i>part only</i> )	\$100 – \$500
Leak repair	\$225 – \$800
Resealing	\$75 – \$250
Weather stripping	\$75 – \$300

Flashing repair	\$150 – \$500
Frame repair	\$150 – \$600
Window cleaning ( <i>per window</i> )	\$10 – \$35
New hand crank ( <i>part only</i> )	\$10 – \$70
Remove skylight	\$125 – \$250
Remove and roof over	\$350 – \$1,000
Mobile home skylight replacement	\$250 – \$700
Full skylight replacement	\$800 – \$2,400
New skylight installation	\$1,600 – \$4,200

**Description Window Coverings                      unit                      Minimum    Maximum**

**Average cost of blinds**

Window dimensions (inches)		Average cost installed per window	
24x36		\$40 – \$141	
24x60		\$60 – \$201	
36x48		\$80 – \$231	
36x72		\$110 – \$321	
48x60		\$130 – \$351	
60x72		\$170 – \$501	
Cost per window		\$ 30.00	\$ 200.00
Cost per window installed		\$ 70.00	\$ 600.00
Cost for whole house (8-10 windows)		\$ 240.00	\$ 2,000.00

**Plantation Shutter Prices**

Size / Type	Wood	Vinyl	Faux Wood
16 x 20	\$177	\$73	\$39
24 x 50	\$300	\$200	\$145
36 x 54	\$497	\$305	\$235
36 x 60	\$552	\$336	\$261
42 x 48	\$516	\$315	\$243
48 x 44	\$540	\$327	\$255

Cost per window    \$145 - \$347

Description	unit	minimum	maximum
Interior door replacement	Ea.	\$ 225.00	\$ 825.00
Exterior door replacement	Ea.	\$ 500.00	\$ 1,900.00
Front door replacement	Ea.	\$ 650.00	\$ 3,700.00
Custom door	Ea.	\$1,000.00	\$ 10,000.00
Custom door install			\$ 1,300.00
door installation	Ea.	\$ 100.00	\$ 800.00

### Door Installation & Replacement Costs

Type	Average Cost Installed
Closet, Bedroom & Bathroom	\$155 – \$688
Standard Exterior Door	\$505 – \$1,898
Front Door	\$667 – \$3,734
Exterior Double Doors	\$1,124 – \$5,560
Entry Door w/ Sidelights	\$1,600 – \$4,600

### Cost Breakdown To Install A Door

Item	Interior	Exterior
Door Slab	\$30 – \$350	\$150 – \$1,000
Hardware & Supplies	\$30 – \$150	\$50 – \$150
Jamb & Stop	\$50 – \$300	\$50 – \$300
Framing	\$110 – \$220	\$130 – \$380
Labor	\$90 – \$350	\$230 – \$800

Total cost	\$200 – \$1,150	\$480 – \$2,250
Total cost w/ framing	\$310 – \$1,370	\$610 – \$2,630

### Door Installation Labor Cost

Door Type	Average Cost
Interior Room	\$120 – \$570
Interior Closet	\$91 – \$510
Exterior	\$230 – \$1,300
Screen or Storm	\$100 – \$300
All Doors Average	\$140 – \$800

### Door Hardware Cost

Hardware	Average Cost
Jambs	\$130 – \$320
Handle Sets	\$160 – \$320
Deadbolt Locks (Double Key)	\$120 – \$220
Smart Locks	\$120 – \$500
Exterior Key Knob	\$30 – \$100
Interior Knobs - No Locks	\$10 – \$50
Doorbell System	\$30 – \$350
Bath or Bedroom locks	\$40 – \$80

Kickplates	\$50 – \$60
Passage Latches	\$30 – \$60
Weather Stripping	\$20 – \$50
Bell Button Only	\$20 – \$30
Hinges	\$2 – \$30

**Door Prices**

Material	Door	Labor	Total Installed
Wood Room Door (core)	\$30 – \$330	\$120 – \$170	\$150 – \$500
Wood Interior w/ Sidelights	\$140 – \$2,000	\$500 – \$1,100	\$640 – \$3,100
Wood Closet Door	\$30 – \$2,300	\$120 – \$170	\$150 – \$2,470
Engineered Wood Door (solid)	\$200 – \$500	\$200 – \$500	\$400 – \$1,000
Wood Entry Door	\$380 – \$2,400	\$200 – \$500	\$580 – \$2,900
Wood Entry w/ Sidelights	\$1,100 – \$3,500	\$500 – \$1,100	\$1,600 – \$4,600
Fiberglass Entry Door	\$200 – \$2,300	\$200 – \$500	\$400 – \$2,800
Fiberglass Entry w/ Sidelights	\$500 – \$3,900	\$500 – \$1,100	\$1,000 – \$5,000
Steel Fire Door	\$175 – \$350	\$150 – \$500	\$325 – \$850
Steel Entry Door	\$100 – \$2,200	\$200 – \$500	\$300 – \$2,700
Steel Entry w/ Sidelights	\$680 – \$2,900	\$500 – \$1,100	\$1,180 – \$4,000
Iron Entry Door	\$1,500 – \$5,000	\$250 – \$750	\$1,750 – \$5,750
Iron Entry w/ Sidelights	\$2,600 – \$9,500	\$500 – \$1,100	\$3,100 – \$10,600



Aluminum Door	\$100 – \$2,000	\$200 – \$280	\$300 – \$2,280
Aluminum Sliding Door	\$500 – \$4,400	\$150 – \$800	\$650 – \$5,200
Aluminum Screen Door	\$80 – \$200	\$200 – \$280	\$280 – \$480
Aluminum Glass Storm Door	\$80 – \$200	\$220 – \$280	\$300 – \$480

### Composite Door Prices

Type	Average Cost
Bifold Door	\$38 – \$430
Sliding Door	\$77 – \$420
Slab Interior	\$27 – \$500
Interior Pre-hung	\$65 – \$700
French Door	\$170 – \$1,000
Barn Door	\$120 – \$1,500
Exterior Sliding	\$700 – \$1,300

### Cost To Install A Door By Type

Type	Material	Labor	Total
Single Entry	\$200 – \$2,000	\$130 – \$750	\$330 – \$2,750
Double Entry	\$400 – \$8,000	\$500 – \$1,100	\$900 – \$9,100
Entry w/ Sidelights	\$1,100 – \$3,500	\$500 – \$1,100	\$1,600 – \$4,600
Fire-Rated	\$300 – \$600	\$150 – \$500	\$450 – \$1,100

French	\$450 – \$4,500	\$200 – \$1,100	\$650 – \$5,600
Bifold & Folding	\$100 – \$600	\$100 – \$250	\$200 – \$850
Bulkhead or Basement	\$400 – \$1,100	\$600 – \$2,800	\$1,000 – \$3,900
Sliding Patio	\$300 – \$2,700	\$150 – \$800	\$450 – \$3,500

### Garage Door Installation Cost

Size	Average Cost Installed
Single Garage Door	\$550 – \$1,300
Double Garage Door	\$800 – \$1,800
3-Car Garage Door	\$1,300 – \$2,800
New Garage Door Opener	+ \$250 – \$600

### Garage Door Replacement Cost

Factor	Average Cost
Door, Tracks, & Hardware	\$400 – \$1,100
Installation Labor	\$150 – \$700
Old Door Removal (often included)	\$50 – \$250
New Opener (optional)	\$250 – \$600
Resizing the Opening (optional)	\$200 – \$1,000+
Average Cost To Replace	\$550 – \$1,800

Description Drywall	unit	minimum	maximum
Cost to install drywall	SF	\$ 1.50	\$ 3.50
Cost to install drywall (12'x12' room)		\$ 580.00	\$ 1,800.00
Cost to install drywall (2,000 SF home)		\$8,000.00	\$ 30,000.00
Drywall materials only	SF	\$ 0.50	\$ 0.80
labor cost to hang and finish drywall	SF	\$ 1.00	\$ 2.70
Hang drywall	SF	\$ 0.85	\$ 1.90
Tape and mud	SF	\$ 0.35	\$ 1.10
Texture	SF	\$ 0.80	\$ 2.00
Remove old drywall	SF	\$ 0.50	\$ 6.00

**Drywall cost to install**

Room	Average cost
5' x 8' Bathroom	\$300 – \$1,000
12' x 12' Bedroom	\$580 – \$1,800
12' x 20' Primary bedroom	\$750 – \$2,600
16' x 20' Living room	\$850 – \$3,100
20' x 20' Garage	\$1,000 – \$3,900
1,000 SF Basement	\$1,500 – \$7,000
1,500 SF Whole house	\$5,500 – \$22,000
2,000 SF Whole house	\$8,000 – \$30,000
2,500 SF Whole house	\$9,000 – \$35,000
3,000 SF Whole house	\$10,000 – \$45,000

**Drywall installation cost**

Item	Cost per square foot
Install drywall walls	\$1.50 – \$3.50
Install drywall ceiling	\$1.50 – \$3.80
Replace existing drywall	\$2.00 – \$6.00

**Cost to finish drywall**

Level	Cost per square foot	Usage
0	\$0.85 – \$1.90	Drywall hung with no tape, mud, or finish
1	\$1.15 – \$2.15	Concealed areas or attics
2	\$1.30 – \$2.60	Has one coat of compound for storage areas or walls that will be covered in tile
3	\$1.50 – \$2.75	Walls that will receive a medium to heavy texture

4	\$1.70 – \$3.20	Walls that will receive a light texture or flat paint
5	\$1.75 – \$3.50	A smooth finish for walls that will receive satin or glossy paint

Description Flooring	unit	minimum	maximum
Average cost of new flooring	SF	\$ 6.00	\$ 10.00
Cost of flooring	SF	\$ 3.00	\$ 18.00
Heated flooring		\$ 7.00	\$ 17.00

**Average Cost To Install Flooring**

Flooring Material	SF	Cost Per Square Foot
Engineered Wood		\$6 – \$21
Hardwood		\$10 – \$19
Laminate		\$6 – \$10
Vinyl or Linoleum		\$3 – \$11
Carpet		\$1 – \$4
Ceramic Tile		\$2.50 – \$4
Porcelain Tile		\$3 – \$10
Polished Concrete		\$3 – \$15

Flooring Material		Average 330 Sqft. Living Room
Engineered Wood		\$1,980 – \$6,601
Hardwood		\$3,300 – \$5,941
Laminate		\$1,980 – \$2,971
Vinyl or Linoleum		\$990 – \$3,301
Carpet		\$330 – \$991
Ceramic Tile		\$825 – \$991
Porcelain Tile		\$990 – \$3,301

**Hardwood Flooring Cost**

Wood Type		Cost Per Square Foot	Grain / Shade
Bamboo		\$2–\$5	Interesting patterns; Pale to natural-brown
Brazilian Walnut		\$5–\$10	Usually a straight, open grain; Mid to rich deep brown
Pine		\$2–\$5	Rustic knots; Natural reddish brown
Hickory		\$3–\$6	Medium grain; Mid-tone, rustic appearance
Maple		\$3–\$6	Very subtle grain; Natural creamy color
Red Oak		\$2–\$7	Mid to heavy grain; Light pinks to brown
White Ash		\$5–\$7	Fine grained; Soft tan to pale gray

**Laminate Flooring Cost**

Laminate Quality	Thickness	Cost Per Square Foot
Low Grade	1/8"	\$1
Medium Grade	3/8"	\$2–\$4
High Grade	1/2"	\$3–\$5

**Carpet flooring costs**

Polyster	SF	\$ 0.69
Olefin		\$ 1.10
Nylon		\$ 1.29
Wool		\$ 3.89

Cotton		\$ 6.31
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**Tile flooring costs**

Ceramic	SF	\$ 1.00	\$ 3.00
Porcelain		\$ 6.00	
Slate		\$ 2.00	\$ 7.00
Travertine		\$ 4.00	\$ 7.00
Marble		\$ 2.00	\$ 8.00
Granite		\$ 8.00	\$ 20.00
Mosaic		\$ 3.00	\$ 30.00



Description Stairs	unit	minimum	maximum
Average cost to build a new staircase		1000	5000
Average cost to replace a staircase		2000	7000
Average cost to remodel a staircase		500	4000

**Staircase costs by style**

Staircase style		Average installed staircase cost
Straight		\$1,900 – \$5,001
L-shape / U-shape with landing		\$2,200 – \$5,701
Spiral		\$1,300 – \$18,001
Helical		\$3,000 – \$20,001
Winder		\$2,000 – \$5,001
Floating		\$3,000 – \$15,001
Arched / curved		\$9,000 – \$100,001

Staircase material		Average material price (per step)*	Average installed cost per step
Wood		\$50 – \$151	\$100 – \$250
Precast concrete		\$40 – \$171	\$100 – \$350
Composite		\$80 – \$151	\$110 – \$202

Glass		\$150 – \$251	\$250 – \$552
Metal		\$100 – \$201	\$150 – \$277
Stone		\$150 – \$401	\$300 – \$902
Tile		\$80 – \$151	\$120 – \$252
Brick		\$60 – \$101	\$100 – \$302

**Cost estimator to install or remodel stairs**

Factor		Average cost to replace (including labor)
Balusters (spindles)		\$1,200 – \$1,601
Banister (handrail)		\$1,000 – \$2,000+
Carpet runner		\$500 – \$2,001
Landing		\$500 – \$1,201
Newel post		\$150 – \$751
Railing		\$350 – \$701
Treads and risers		\$1,000 – \$2,501

Description	unit	minimum	maximum
Average cost of fireplace		\$1,900.00	\$ 5,600.00
electric fireplace		\$ 100.00	\$ 2,200.00
installation/ finishing		\$2,100.00	

**Fireplace Installation Cost**

Fireplace Type	Cost To Install
Electric Fireplace	\$100 – \$2,201
Wood-Burning Fireplace	\$1,900 – \$3,301
Gas Fireplace	\$2,300 – \$4,001
Masonry Fireplace	\$3,500 – \$5,601

**Material & Labor Costs To Install Fireplace**

Type	Material – Firebox Only	Labor – No Flue/Chimney
Masonry Fireplace	\$1,136 – \$1,455	\$2,210 – \$2,943
Gas Fireplace - vented	\$1,085 – \$2,862	\$2,500 – \$2,824
Wood-Burning Fireplace	\$1,250 – \$2,064	\$670 – \$1,465
(9' – 24' chimney included)		
Electric Fireplace	\$100 – \$2,201	\$0 – \$367

**Wood-Burning Fireplace Installation Cost**

Size	Average Cost Installed

36" wide with a 9' to 24', 9" chimney		\$1,900 – \$3,301
42" wide with a 9' to 24', 9" chimney		\$2,050 – \$2,531

### Cost To Build A Fireplace

Material		Average Cost
Masonry		\$3,500 – \$5,601
Prefabricated Brick		\$2,000 – \$3,001
Authentic Mason-built Brick		\$10,000+

### Costs To Add Fireplace To A Home

Factors		Average Cost
Gas Fireplace (Firebox - vented)		\$1,100 – \$2,901
Gas Line Installation		\$500 – \$2,201
Gas Valve, Log Lighter, and Key Installation		\$190 – \$251
Electric Prefab Fireplace Body and Grate		\$100 – \$2,201
Wiring		\$140 – \$201
Assembly & Customization		\$350 – \$3,001
Ventilation		\$400 – \$2,001

Description	minimum	maximum
Above ground pool cost installed	\$ 1,800.00	\$ 5,000.00
Inground pool cost installed	\$ 28,000.00	\$ 55,000.00
Add hot tub- inground	\$ 8,000.00	\$ 25,000.00
Pool enclosure (screen)	\$ 4,000.00	\$ 14,000.00

### Swimming Pool Cost Calculator

Type	Total Installed Cost
Above Ground Pool	\$1,800 – \$8,001
Semi-Inground Pool	\$6,800 – \$10,001
Inground Concrete / Gunite Pool	\$29,000 – \$60,001
Inground Fiberglass Pool	\$18,000 – \$65,001
Inground Vinyl Liner Pool	\$25,000 – \$45,001
Indoor Pool	\$110,000 – \$220,001
Lap Pool	\$20,000 – \$70,001
Lagoon Pool	\$50,000 – \$150,001
Plunge Pool	\$14,500 – \$24,501
Hot Tub or Spa	\$8,000 – \$25,001
Saltwater Pool Conversion	\$600 – \$2,201

### Cost To Build An Inground Pool

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Type	Average Cost
Vinyl Liner	\$25,000 – \$45,001
Fiberglass	\$18,000 – \$65,001
Concrete / Gunite	\$29,000 – \$60,001

### Cost To Add Above Ground Pool

Size	Average Cost
12' Round	\$1,850
18' Round	\$2,450
24' Round	\$3,000
30' Round	\$4,200
12' x 24'	\$3,300
15' x 30'	\$4,000
18' x 33'	\$5,000

### Prices of Pool Add-ons

Feature	Average Cost
Diving Board	\$300 – \$801
Slide	\$900 – \$20,001
Lighting	\$700 – \$1,801
Waterfall	\$200 – \$1,501
Pool Steps	\$200 – \$2,501
Pool Deck	\$2,800 – \$23,001
Heater	\$500 – \$10,001

Pool Fence		\$600 – \$4,401
<a href="#">Pool Cover</a>		\$1,000 – \$3,601

Description	Unit	minimum	maximum
cost to build a deck	SF	15	30
average cost to build a deck		4400	10100

### Average Deck Cost By Size

Deck Size	Square Feet	Average Cost
8' x 10'	80	\$1,200 – \$2,800
10' x 10'	100	\$1,500 – \$3,500
10' x 12'	120	\$1,800 – \$4,200
12' x 12'	144	\$2,200 – \$5,100
12' x 20'	240	\$3,600 – \$8,400
14' x 20'	280	\$4,200 – \$9,800
16' x 16'	256	\$3,900 – \$8,900
20' x 20'	400	\$6,000 – \$14,000

### Deck Material Cost Estimator

Deck Material	Average Cost Per Square Foot
Bamboo	\$3 – \$5
Cedar	\$4 – \$9
Pressure-Treated Wood	\$5 – \$9
Redwood	\$7 – \$9
Tigerwood	\$6 – \$16
Ipe	\$10 – \$15
<a href="#">Composite Decking Cost</a>	\$10 – \$15



<a href="#">Trex Decking Cost</a>		\$8 – \$21
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### Decking Options & Costs

Deck Feature		Average Cost
Portable Heaters		\$100 – \$500
Fire Pit		\$200, Custom built: \$2,700 – \$6,000
Outdoor Fireplace		\$1,500 – \$6,500
Railing		\$26 per linear foot
Privacy Screen		\$20 per panel
Custom Screened In Deck		\$600 – \$3,500
Patio Enclosures		\$8,112 – \$18,748
Flooring		\$2.50 – \$14 per square foot
Stain and Seal		\$0.40 per square foot
Pre-manufactured Seating		\$350 – \$1,100
Custom Seating		\$2,000 – \$5,000
Stairs & Steps		\$210 – \$290
Planter Boxes		\$120 each
Hot Tub		\$4,000 – \$15,000
Sauna		\$3,000 – \$10,000

Outdoor Shower		\$800 – \$1,000 (\$4,000 with privacy enclosure)
Outdoor Kitchen w/ Sink		\$1500+
Roofing / Pergola Framing		\$0.70 – \$1.30 per square foot
Cover		\$1,000 manual, \$1,700 motorized
Deck Skirting		\$30 per square foot
<a href="#">Deck painting cost</a>		\$2 – \$5 per square foot

#### Cost To Build Deck Stairs

Number of Steps		Average Cost
2 Steps		\$110 – \$166
3 Steps		\$100 – \$141
4 Steps		\$140 – \$191

#### Deck Railing Cost

Deck Railing Material		Average Cost
Pine, pressure treated		\$15 per linear foot
Redwood, select heart		\$19 per linear foot
Recycled composite lumber		\$36 per linear foot

#### Deck Flooring Costs

Flooring Type	Average Cost
Pine, 5/4" x 6" thick, pressure-treated deck flooring	\$2.50 /sqft
Redwood, 2" x 8" thick, select heart deck flooring	\$4/sqft
Recycled, 5/4" x 6" thick, composite lumber decking	\$8/sqft
Recycled composite lumber decking 2" x 8" thick	\$14/sqft
Add for stain with sealer finish	\$0.40 /sqft

### **Additional cost for diagonal pattern deckir**

Deck Flooring Type	Average Cost
Pine decking, pressure treated	\$0.40 /sqft
Redwood decking	\$0.70 /sqft
Recycled composite lumber decking 5/4" x 6" thick	\$1.00 /sqft
Recycled composite lumber decking 2" x 8" thick	\$1.90 /sqft

Description Paint Exterior	unit	minimum	maximum
Cost to paint house (exterior)	SF	1	4

**Cost to paint a house Exterior**

Home size (square feet)	Average cost
1,000	\$800 – \$3,200
1,500	\$1,200 – \$4,800
2,000	\$1,700 – \$6,800
2,500	\$2,100 – \$8,400
3,000	\$2,500 – \$10,000
3,500	\$2,900 – \$11,600
4,000	\$3,400 – \$13,400
5,000	\$4,200 – \$16,800

**Exterior paint cost**

Home size (SF)	Paintable surface (SF)	Gallons needed (two coats)	Total paint cost
1,000	800	5 – 6	\$120 – \$482
1,200	1,000	6 – 8	\$150 – \$642
1,500	1,200	7 – 10	\$180 – \$802
1,800	1,500	9 – 12	\$240 – \$962
2,400	2,000	11 – 16	\$300 – \$1,302

3,000	2,500	13 – 20	\$360 – \$1,602
3,500	3,000	17 – 24	\$480 – \$1,922

**Description Paint Interior**                      **unit**            **Minimum**    **Maximum**

### Interior Painting Cost Per Square Foot Calculator

Measure		Cost Per Square Foot
Coverage Area		\$1 – \$4
Floor Space		\$3 – \$8

### Interior Painting Cost

Room		Average Cost
Interior Door		\$75 – \$151
Bedroom		\$350 – \$851
Primary Bedroom		\$650 – \$1,401
Bathroom		\$150 – \$400
Kitchen		\$150 – \$250
Living Room		\$600 – \$2,001
Apartment / Condo		\$900 – \$3,001
1,500 SF House		\$4,500 – \$6,001
2,000 SF House		\$6,000 – \$8,001
2,500 SF House		\$7,500 – \$10,001
3,000 SF House		\$9,000 – \$12,001

Description

**Closet organizer costs by type**

Type	Average material price	Average total cost installed
Prefab closet system	\$200 – \$1,400	\$400 – \$2,201
Custom closet system	\$700 – \$6,500	\$1,000 – \$8,001
Electric closet system	\$700 – \$2,400	\$800 – \$2,801

**Prefab closet system costs by material**

Material	Average system cost*
Wire	\$150 – \$1,000
Laminate	\$200 – \$1,400
Wood	\$800 – \$6,000

Closet brand	Average cost	Details
California Closet	\$1,500 – \$5,200	Multiple style options and features available for a truly custom design
		Most units are wall-hung
		Limited lifetime warranty
Closet Factory	\$1,000 – \$4,400	Eco friendly using recycled materials and responsibly harvested sustainable wood
		Most units are floor-based

		Limited warranty
Inspired Closets	\$2,000 – \$8,000+	Luxury options and a wide range of colors and features with high-end finishes and accessories
		90-day design guarantee
		Limited lifetime warranty



Description Excavation                      Unit              Minimum      Maximum

### Land excavation cost by project

Project		Average cost
Foundation pad for new home site		\$1,500 – \$10,000
Dig a basement for new construction		\$1,500 – \$10,000
Dig around existing house		\$5,000 – \$15,001
Dig an in-ground swimming pool		\$1,000 – \$5,001
Excavate a driveway, patio, or deck dirt pad		\$1,000 – \$2,501
Excavate a hillside or flatten slopes		\$1,000 – \$5,000
Grading for lawn installation		\$1,000 – \$5,000
Rock / ledge removal		\$1,000 – \$20,000+
Trenching for sewer, septic, or drainage system		#REF!

### Cost to excavate land

Charge type		Average cost
Cost per cubic yard		\$2.50 – \$15.01
Cost per hour (operator & excavator)		\$100 – \$301
Cost per hour (operator only)		\$50 – \$151
Cost per day (excavator rental only)		\$200 – \$701
Cost per square foot		\$1 – \$6
Cost per acre		\$1,000 – \$3,001

### Excavation cost per cubic yard

Soil type or condition		Cost per cubic yard*
Light soil		\$2.50 – \$6.01
Average soil		\$6.00 – \$10.01
Heavy/wet soil or loose rock		\$10.00 – \$15.01
Jackhammered rock		\$50 – \$200+

### Earth excavation & grading costs

Project type		Average cost
Land clearing		\$1,150 – \$3,701
Land grading and leveling		\$500 – \$5,001
Trenching		\$500 – \$1,201
Dirt removal		\$140 – \$230 per cubic yard
Additional backfill / fill dirt		\$5 to \$25 per cubic yard

Description	unit	minimum	maximum
Landscaping cost	hour	50	100
Landscaping cost	SF	4	12
Complete new job		3000	16000
Percentage of home value		5%	15%
small maintenance tasks		300	800
large jobs		2000	4000

**Landscaping price list**

Landscaping project	Average cost
Lawn seeding	\$0.04 – \$0.18 per square foot
Sod installation	\$1 – \$2 per square foot
Artificial turf	\$6 – \$20 per square foot
Sprinkler system	\$1,800 – \$5,201
Drip irrigation system	\$300 – \$1,200 per
Rainwater collection system	\$200 – \$2,501
Landscape curbing	\$400 – \$2,201
Misting system installation	\$1,000 – \$2,501
Building a pond	\$1,800 – \$6,901
Building a koi pond	\$3,500 – \$17,001
Water fountain installation	\$1,500 – \$8,001
Yard grading	\$0.40 – \$2.00 per square foot
Landscaping maintenance	\$100 – \$200 per month
Lawn care	\$30 – \$80 per hour
Lawn mowing	\$30 – \$85 per visit
Mulch	\$15 – 65 per yard delivered

Tree trimming		\$200 – \$900 per tree
Tree removal		\$300 – \$2,000 per tree
Gardener		\$75 – \$251
Leaf removal		\$150 – \$351
Lawn aeration		\$75 – \$251
Tree stump removal		\$100 – \$401
Tree stump grinding		\$120 – \$401
Fill dirt		\$5 – \$25 per yard
Land clearing		\$1,150 – \$3,681
Lawn mower repair		\$40 – \$91

### Tree removal cost

Tree height		Average cost
Small (under 30' tall)		\$150 – \$501
Medium (30' – 60' tall)		\$300 – \$1,001
Large (60' – 80' tall)		\$650 – \$2,001
Extra-large (over 80' tall)		\$1,200 – \$2,701