## Life Cycles and Costs

THE FOLLOWING COSTS ARE BALL PARK ESTIMATES FOR A TYPICAL THREE BEDROOM HOME.

WHERE APPROPRIATE, TYPICAL LIFE EXPECTANCIES ARE INCLUDED IN PARENTHESIS.
THE LIFE EXPECTANCY OF SOME COMPONENTS WILL VARY WITH THE SEVERITY OF WEATHER IN THE REGION. THE DESIGN, QUALITY OF INSTALLATION AND LEVEL OF MAINTENANCE CAN ALSO DRASTICALLY AFFECT LIFE EXPECTANCY.

There are many factors that affect costs:

- Access...How difficult is it to get to? Crawlspaces are harder to work in than basements. Three-story roofs are harder to work on than bungalow roofs. Steep roofs are more difficult than low slope roofs.
- Height...If you need to build scaffolding to get to the chimney, chimney repairs will cost more.
- Complexity of job...Roofs with lots of dormers and skylights are more expensive.
- Weight...Heavy roofing materials are hard to carry up the ladder.
- Disposal costs...Costs to get rid of the old materials vary and can be significant.
- Amount and difficulty of preparation work...Painting is not as expensive as stripping, scraping and sanding to get ready to paint.
- Cost of materials...Clear cedar siding costs more than paint grade wood, which costs more than vinyl siding.
- Availability of materials...Cedar roofing is significantly less expensive on the west coast, than in the east.
- Installation technique...It costs more to glue and screw subflooring in place than to nail it. It costs more to put deck posts on a footing than on the ground.
- Amount of labor...It takes longer to lay a ceramic tile floor than a sheet vinyl floor.
- Skill level of labor...It costs more to tape drywall than to hang it. It costs more to paint a faux finish than a flat finish. Plumbers cost more than handymen.
- Scarcity of labor...In many areas it is hard to find people who do plaster rather than drywall, or work on steam boilers rather than forced air heat.
- Quality of system...Furnaces can cost $\$ 2,000$ to $\$ 8,000$, depending on their quality and features. It's a lot like buying a car.
- Economic conditions...Are trades people generally busy and not looking for work, or very slow and anxious to do any job? Is the market competitive, or are there only one or two companies that can do what you are looking for?
- Time of year...In many areas, there are construction seasons that depend on the weather, and renovations and repairs will be more expensive in the high season.
- Reputation of company...Are you looking for an industry leader or someone just getting started? The folks with good reputations and a long list of satisfied clients referring work to them will be harder to find, and more expensive to engage.

The figures that follow include labor and materials. Many home repairs have a minimum fee based on a visit by a tradesperson.

## HOME IMPROVEMENT PROJECTS

According to Remodeling Magazine, here are some national average costs for common remodeling projects in the U.S.

| BATHROOM | 1. Bathroom remodel | \$16,000 | Roughly \$450/sq. ft. |
| :---: | :---: | :---: | :---: |
|  | 2. Bathroom remodel Premium quality (Larger bathroom) | \$50,000 | Roughly \$500/sq. ft. |
| KITCHEN | 3. Major kitchen remodel | \$55,000 | Roughly \$275/sq. ft. |
|  | 4. Major kitchen remodel Premium quality | \$110,000 | Roughly \$550/sq. ft. |
| BASEMENT AND FAMILY ROOM | 5. Basement remodel (includes small bath and wet bar) | \$60,000 | Roughly \$100/sq. ft. |
|  | 6. Family room addition | \$80,000 | Roughly \$200/sq. ft. |
| GARAGE | 7. Garage - New detached (2 car, including electrical) | \$54,000 | Roughly $\$ 80 / \mathrm{sq} . \mathrm{ft}$. |
|  | 8. Garage - New detached Premium quality | \$82,000 | Roughly \$121/sq. ft. |
| ROOFING | 9. Re-roofing with asphalt shingles (includes stripping old roofing, new underlayment and flashings) | \$18,000 | Roughly \$6/sq. ft. |
|  | 10. Re-roofing with sheet steel roofing (includes stripping old roofing, new underlayment and flashings) | \$33,000 | Roughly \$11/sq. ft. |
| SIDING | 11. Re-siding with vinyl | \$10,000 | Roughly \$8/sq. ft. |
|  | 12. Re-siding with fiber cement | \$13,000 | Roughly \$10/sq. ft. |
| WINDOWS | 13. Replace 10 windows with wood | \$11,000 | Roughly $\$ 1,100 /$ window or \$75/sq. ft. |
|  | 14. Replace 10 windows with premium quality wood windows | \$17,000 | Roughly \$1,700/window or \$110/sq. ft. |
| DECK | 15. Install wood deck (includes railing, bench and steps) | \$10,000 | Roughly \$30/sq. ft. |
|  | 16. Install composite deck (includes railing, bench and steps) | \$15,000 | Roughly \$50/sq. ft. |

## ROOFING/FLASHINGS/CHIMNEYS

| $\begin{array}{r} \text { SLOPED } \\ \text { ROOF } \end{array}$ | 1. Strip asphalt shingles | \$0.75-\$1.50 per sq. ft. |
| :---: | :---: | :---: |
|  | 2. Re-roof with conventional asphalt shingles | \$2.00-\$4.00 per sq. ft. (twelve to twenty yrs) |
|  | 3. Re-roof with premium quality asphalt shingles | $\$ 4.00-\$ 8.00$ per sq. ft. (twenty to thirty yrs) |
|  | 4. Strip and re-roof with cedar shingles or shakes | $\$ 9.00$ - $\$ 18.00$ per sq. ft. (twenty to thirtyfive yrs ) |
|  | 5. Install concrete tile roofing (assuming no structural reinforcement) | \$8.00-\$16.00 per sq. ft. (fifty yrs and up) |
|  | 6. Install new slate roof | $\$ 30-\$ 60$ per sq. ft. (forty to two-hundred yrs) |
|  | 7. Repair loose slates or tiles | \$25-50 per slate/tile (minimum \$1000) |
|  | 8. Install roll roofing | \$1.50-\$3.00 per sq. ft. (five to ten yrs) |
| FLAT ROOF | 9. Install built-up tar and gravel roof | \$10.00-\$20.00 per sq. ft. (fifteen to twenty yrs) (minimum \$1000) |
|  | 10. Install modified bitumen roof membrane | $\$ 8.00-\$ i 6.00$ per sq. ft. (fifteen to twenty five yrs) (minimum \$1000) |
|  | 11. Improve flat roof drainage prior to installation of new membrane | \$2.00-\$4.00 per sq. ft. |
|  | 12. Paint modified bitumen membrane | \$0.50-\$1.00 per sq. ft. (minimum \$200) |
|  | 13. Install sheet metal on small roof surfaces | $\begin{aligned} & \$ 10.00-\$ 20.00 \text { per sq. ft. (minimum } \\ & \$ 1000 \text { ) } \end{aligned}$ |
| FLASHINGS | 14. Reflash standard chimney: -asphalt shingle roof -built-up or modified bitumen membrane | $\begin{aligned} & \$ 500-\$ 1000 \\ & \$ 700-\$ 1500 \end{aligned}$ |
|  | 15. Install metal cricket at wide chimney | \$400-\$800 |
|  | 16. Reflash standard skylight: -asphalt shingle roof -built-up or modified bitumen membrane | $\begin{aligned} & \$ 500-\$ 1000 \\ & \$ 700-\$ 1500 \end{aligned}$ |
|  | 17. Repair valley flashings on existing roof | \$25-\$50 per lin. ft. (minimum \$600) |

## ROOFING/FLASHING/CHIMNEYS (Continued)

CHIMNEY
19. Rebuild typical chimney above roofline:
(scaffolding not included)
-single flue (minimum \$1000)
-double flue (minimum \$1000)
20. Repoint typical chimney above roof line:
(scaffolding not included)
-single flue (minimum $\$ 400$ ) $\$ 20-\$ 40$ per row
-double flue (minimum $\$ 400$ ) $\$ 25-\$ 50$ per row
21. Install concrete cap on typical chimney:
\$250-\$500
-single flue
\$400-\$800
-double flue
22. Install rain cap on typical \$200-\$300 each chimney

## EXTERIOR

GUTTERS
AND

1. Install galvanized or aluminum gutters and downspouts
$\$ 5.00-\$ 10.00$ per lin. ft. (twenty to thirty yrs)
2. Install copper gutters and downspouts
3. Install aluminum soffits and fascia
4. Install -aluminum siding $\quad \$ 4.00-\$ 8.00$ per sq. ft .
-vinyl siding
-fiber cement siding
$\$ 15-\$ 30$ per lin. ft (fifty to one hundred yrs)
$\$ 8.00-\$ 16.00$ per lin. ft.

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\$ 6.00-\$ 12.00 \text { per sq. ft. }
$$

$$
\$ 7.00-\$ 14.00 \text { per sq. ft }
$$

5. Install and finish wood siding using: -cedar $\$ 8.00-\$ 16.00$ per sq. ft. -paint grade $\quad \$ 6.00-\$ 12.00$ per sq. ft
6. Install stucco $\$ 6.00-\$ 12.00$ per sq. ft
7. Repointing:
-Soft mortar (minimum $\$ 500$ )
-Hard mortar (minimum \$500)
\$3.00-\$6.00 per sq. ft.
$\$ 5.00-\$ 10.00$ per sq. ft.

| 8. | Replace deteriorated bricks | $\$ 25-\$ 50$ per sq. ft |
| :--- | :--- | :--- |
| 9. | Rebuild parapet wall | $\$ 25-\$ 50$ per sq. ft |

## EXTERIOR (Continued)

10. Painting (exclusive of repairs): $\quad \$ 2000$ and up (four to six yrs) -trim only (soffits, fascia, door and window frames) $\quad \$ 5000$ and up (four to six yrs) -trim and wall surfaces (wood, brick, stucco)

| BASEMENT | 11. Dampproof foundation Dampproof walls and install drainage tiles | \$150-\$300 per lin. ft. (minimum \$3000) |
| :---: | :---: | :---: |
| DRIVEWAY | 12. Resurface existing asphalt driveway | \$2.00-\$4.00 per sq. ft. (ten to twenty yrs) |
|  | 13. Seal asphalt driveway | $\$ 0.30$ per sq. ft. and up (one to three yrs) |
|  | 14. Install interlocking brick driveway | $\$ 8.00-\$ 16.00$ per sq. ft. (fifteen yrs and up) |
|  | 15. Install concrete driveway (no pattern) | $\$ 8.00-\$ 16.00$ per sq. ft. (thirty to forty yrs) |
|  | 16. Install drain at bottom of sloped driveway | \$2000 and up |
| PATIO | 17. Install concrete slab patio | $\$ 5.00-\$ 10.00$ per sq. ft. (thirty to forty yrs) |
|  | 18. Install concrete patio stones | \$2.50-\$5.00 per sq. ft. (thirty to forty yrs) |
|  | 19. Rebuild exterior basement stairwell | \$5000 and up |
|  | 20. Install drain at existing basement stairwell | \$750-\$1500 |
| GARAGE | 21. Build detached garage | \$70-140 per sq. ft. |
|  | 22. Break wood/soil contact at detached garage | $\$ 25-\$ 50$ per lin. ft. (minimum \$1000) |


| 23. <br> Demolish and remove <br> detached garage | $\$ 1500$ and up |
| :--- | :--- |
| 24. Install garage door: |  |
| -single metal one-piece |  |
| -single wood sectional |  |
| -double wood sectional | $\$ 500-\$ 1000$ |
| 25. Install garage door opener | $\$ 700-\$ 1400$ |
| 26. Build retaining wall: | $\$ 300-\$ 600$ (eight to twelve yrs) |
| - wood <br> - concrete | $\$ 20-\$ 40$ per sq. ft. (minimum $\$ 500)$ |

## EXTERIOR (Continued)

| 27. Replace porch steps: <br> -wood <br> -concrete | $\$ 750$ and up <br> $\$ 1500$ and up |
| :--- | :--- |
| 28. Replace porch flooring | $\$ 4.00-\$ 8.00$ per sq. ft. |
| 29. Replace porch skirting | $\$ 10-\$ 20$ per lin. ft. |
| 30. Replace step railing | $\$ 400-\$ 800$ |
| 31. Install fencing: <br> -wood <br> -chain link | $\$ 20-\$ 50$ per lin. ft. <br> 32. Install lawn sprinkler system |

## STRUCTURE

| 1.Underpin one corner of <br> house <br> 2. Underpin or add foundations | $\$ 5000$ and up <br> $\$ 300$ and up per lin. ft. (minimum <br> $\$ 3000)$ |
| :--- | :--- | :--- |
| 3.Lower basement floor by <br> underpinning and/or bench <br> footings | $\$ 150-\$ 300$ and up per lin. ft. <br> (minimum $\$ 5000$ ) |
| 4.Replace deteriorating sill <br> beam with concrete | $\$ 60$ and up per lin. ft. <br> (minimum $\$ 2000$ ) |
| 5.Replace main beam in <br> basement (unfinished) | $\$ 4000$ and up |

6. Re-support joist by sistering $\quad \$ 250$ and up another alongside
7. Install basement support $\$ 800-\$ 1600$ post with footing
8. Chemical treatment for $\$ 2000$ and up (ten to twenty yrs) termites
9. Termite inspection $\$ 200-\$ 400$ performed by a specialist
10. Remove or open bearing \$2000 and up wall (exclusive of decorating)
11. Remove partition wall $\$ 2000$ and up (exclusive of decorating)
12. Install door opening in $\$ 750-\$ 1500$ interior wall (exclusive of decorating)

## STRUCTURE (continued)

| 13. Rebuild arch above window <br> or door opening | $\$ 1000$ and up |
| :--- | :--- |
| 14. Install lintel above opening <br> in masonry wall | $\$ 1000$ and up |
| 15. Install exterior basement <br> stairwell | $\$ 10000$ and up |
| 16. Build an addition: <br> -foundation to roof <br> -additional story | $\$ 200-\$ 400$ per sq. ft. |
| 17. Install collar ties | $\$ 150-\$ 300$ per sq. ft. |
| 18. Install lateral bracing on <br> collar ties | $\$ 100-\$ 200$ |
| 19. Replace roof sheathing | $\$ 4.00-\$ 8.00$ per sq. ft. |

## ELECTRICAL

1. Upgrade electrical service

| 2.Upgrade electrical service <br> to 100 -amps (if suitably <br> sized panel already exists) | $\$ 800-\$ 1600$ |  |
| :--- | :--- | :--- |
| 3.Upgrade electrical service <br> to 200-amps | $\$ 1700-\$ 3500$ |  |
| 4. | Replace main ground: <br> - home on public water <br> system <br> -home on private well <br> (Install ground rods) | $\$ 200-\$ 400$ |
| 5. | $\$ 300-\$ 600$ |  |
| 6. Install new breaker panel | $\$ 700-\$ 1400$ (add $\$ 200$ for 200A panel) |  |
| Install auxiliary breaker <br> panel | $\$ 350-\$ 700$ |  |
| 7. | Replace circuit breaker (20 <br> amp or less) | $\$ 100-\$ 200$ |
| 8.Add 120 -volt circuit <br> (microwave, freezer, etc.) | $\$ 250-\$ 300$ |  |
| 9.Install exterior outlet with <br> waterproof cover | $\$ 150-\$ 300$ |  |
| 10.Add 240 -volt circuit (dryer, <br> stove etc.) | $\$ 300-\$ 600$ |  |

## ELECTRICAL (Continued)

| 11. Add conventional receptacle | \$200-\$400 |
| :---: | :---: |
| 12. Add kitchen split receptacle | \$200-\$400 |
| 13. Replace conventional receptacle with ground fault circuit interrupter receptacle | \$70-\$140 (\$200-\$400 for kitchen) |
| 14. Replace conventional receptacle with aluminum compatible type (CO/ALR ) | $\$ 60-\$ 120$ each (assuming several are required) |
| 15. Upgrade entire house with aluminum compatible connectors, receptacles etc. | \$1000-\$2000 |
| 16. Rewire electrical outlet with reversed polarity | $\begin{aligned} & \$ 5-\$ 10 \text { each } \\ & (\$ 100 \text { minimum }) \end{aligned}$ |
| 17. Rewire entire house from aluminum to copper wiring | \$750-\$1500 per room |


| 18. Replace switches <br> (dimmer, standard, lighted <br> etc.) | $\$ 10-\$ 20$ each <br> $(\$ 100$ minimum) |
| :--- | :--- |
| 19. Install standard light fixture | $\$ 100-\$ 200$ |
| 20. Install exterior light | $\$ 250-\$ 500$ |
| 21. Install fluorescent light <br> fixture | $\$ 150-\$ 300$ |
| 22. Rewire entire house during <br> gut or renovations | $\$ 750-\$ 1500$ per room |
| 23. Replace knob \& tube wiring <br> with modern wiring | $\$ 1000-\$ 2000$ per room |

## HEATING

| 1. | Install mid efficiency | $\$ 2000-\$ 5000$ (eighteen to twenty-five <br> yrs) forced-air furnace |
| :--- | :--- | :--- |
| 2. | Install high efficiency <br> forced-air furnace | $\$ 3500-\$ 8000$ (fifteen to twenty yrs) |
| 3. | Annual service | $\$ 200$ minimum |
| 4. | Replace blower and/or <br> motor | $\$ 350-\$ 700$ (ten to twenty yrs) |
| 5. | Replace induced draft fan | $\$ 600-\$ 1200$ |
| 6. | Install humidifier | $\$ 300-\$ 600$ (five to ten yrs) |
| 7. | Install electronic air filter | $\$ 800-\$ 1600$ (ten to twenty yrs) |
| 8. | Install pleated air filter | $\$ 300-\$ 1600$ |

## HEATING (Continued)

| 9. Install mid efficiency boiler | $\$ 3500-\$ 7000$ (fifteen to twenty-five <br> yrs) |
| :--- | :--- |
| 10. Install high efficiency boiler | $\$ 3500-\$ 12000$ (fifteen to twenty-five <br> yrs) |
| 11. Replace refractory pot | $\$ 300-\$ 500$ |
| 12. Install circulating pump | $\$ 400-\$ 600$ (ten to twenty-five yrs) |
| 13. Install expansion tank | $\$ 300-\$ 600$ |
| 14. Install backflow preventer | $\$ 250-\$ 500$ |
| 15. Install chimney liner (for <br> gas) | $\$ 500-\$ 1000$ |


| 16. Install programmable thermostat | \$200-\$400 |
| :---: | :---: |
| 17. Replace indoor oil tank | \$1200-\$2400 |
| 18. Remove oil tank: -interior -underground | $\begin{aligned} & \$ 600 \text { and up } \\ & \$ 10000 \text { and up } \end{aligned}$ |
| 19. Replace radiator valve | \$300-\$600 |
| 20. Replace radiator | \$750-\$1500 |
| 21. Add electric baseboard heater | \$250-\$500 |
| 22. Convert from hot water heating to forced air: -bungalow -two story | $\begin{aligned} & \$ 10000-\$ 20000 \\ & \$ 15000-\$ 30000 \end{aligned}$ |
| 23. Clean ductwork | \$300-\$600 |
| 24. Install heat recovery ventilator | \$2500-\$5000 |
| COOLING/HEAT PUMPS |  |
| 1. Add central air conditioning on existing forced-air system | \$3000 and up (ten to fifteen yrs) |
| 2. Add heat pump on existing forced-air system (dependent on source of heat) | \$4000-\$8000 (ten to fifteen yrs) |
| 3. Install independent air conditioning system | \$10000-\$20000 (ten to fifteen yrs) |
| 4. Install ductless air conditioning system | \$3000-\$7000 (ten to fifteen yrs) |
| 5. Annual service | \$200 minimum |

## INSULATION

| 1. Insulate open attic area to |
| :--- |
| modern standards |$\$ 80-\$ 1.60$ per sq. ft .

2. Blow insulation into flat roof, cathedral ceiling or wall cavity
3. Improve attic ventilation $\$ 30-\$ 60$ per vent (supplied while re-roofing)
4. Install spray foam insulation
\$5000-\$10000
(typical 2 story, 3 bedroom)
5. Insulate basement from $\$ 1.00$ and up per sq. ft. interior

## PLUMBING

| 1.Replace galvanized piping <br> with copper: <br> -per kitchen <br> -per bathrooom | $\$ 750-$ <br> $\$ 1500$ <br> $\$ 1500-$ <br> $\$ 3000$ | NOTE: Figures do not <br> include repairs to finishes <br> after disruption |
| :--- | :--- | :--- |
| 2.Replace public water supply <br> pipe to house (min $\$ 2000$ ) | $\$ 150-\$ 300$ per lin. ft. |  |
| 3. | Replace main shut off valve | $\$ 150-\$ 300$ |
| 4.Install conventional water <br> heater | $\$ 500-\$ 1000$ (eight to twelve yrs) |  |
| 5.Install induced draft water <br> heater | $\$ 800-\$ 1600$ (eight to twelve yrs) |  |
| 6.Install tankless water heater | $\$ 2500-\$ 3500$ |  |
| 7.Typical monthly rental of <br> conventional water heater | $\$ 10-\$ 20$ |  |
| 8.Replace toilet $\$ 500$ and up (thirty to forty yrs) <br> 9.Replace toilet flush <br> mechanism $\$ 100-\$ 200$ <br> 10.Unclog or remove <br> obstruction from toilet $\$ 100-\$ 200$ <br> 11. Replace seal on toilet $\$ 150-\$ 300$ <br> 12. Install bidet $\$ 700$ and up (thirty to forty yrs) <br> 13. Replace basin:  <br> -vanity  <br> -pedestal $\$ 500$ and up (twelve to twenty yrs) |  |  |

## PLUMBING (Continued)

| 14. Replace faucet set | \$250 and up (ten to fifteen yrs) |
| :---: | :---: |
| 15. Replace bathtub, including ceramic tile | \$2000 and up (twenty to thirty yrs) |
| 16. Install refinished claw foot bathtub | \$2500 and up (fifteen to twenty yrs) |
| 17. Replace bathtub/shower faucet set | \$400 and up (ten to fifteen yrs) |
| 18. Install whirlpool bath | $\$ 3500$ and up (fifteen to twenty-five yrs) |
| 19. Re-tile bathtub enclosure | \$1000-\$2000 |
| 20. Replace leaking shower stall pan | \$1000-\$2000 |
| 21. Rebuild tile shower stall | \$2500-\$5000 |
| 22. Install plastic bathtub enclosure | \$500-\$1000 (ten to fifteen yrs) |
| 23. Install plastic shower stall | \$1000-\$2000 (ten to fifteen yrs) |
| 24. Install bathroom exhaust fan | \$300-\$600 (five to ten yrs) |
| 25. Install modest basement bathroom | \$5000 and up |
| 26. Replace laundry tubs | \$400-\$800 (fifteen to twenty-five yrs) |
| 27. Install laundry facilities | \$1000 and up |
| 28. Install kitchen sink: -single -double | \$500 and up (fifteen to twenty-five yrs) $\$ 800$ and up (fifteen to twenty-five yrs) |
| 29. Install solid waste pump | \$1500-\$3000 (five to ten yrs) |
| 30. Connect waste plumbing system to municipal sewers | \$5000 and up |
| 31. Snake out obstruction in main sewer line below yard | \$250-\$500 |
| 32. Repair collapsed or damaged section of sewer line below yard | \$2000 and up |
| 33. Install submersible pump in well | \$1000 and up (ten to fifteen yrs) |
| 34. Install suction or jet pump for well | \$700 and up (ten to fifteen yrs) |
| 35. Replace water tank for pump | \$300-\$700 |

## PLUMBING (Continued)

| 36. Install water softener | $\$ 1000$ and up (five to fifteen yrs) |
| :--- | :--- |
| 37. Install outdoor faucet | $\$ 300-\$ 600$ |
| 38. Replace sump pump | $\$ 350-\$ 700$ (two to seven yrs) |
| 39. Install sauna | $\$ 3000$ and up |

## INTERIOR

| 1. Add drywall over plaster | \$4.00-\$8.00 per sq. ft. |
| :---: | :---: |
| 2. Remove old plaster and install drywall | $\$ 5.00-\$ 10.00$ per sq. ft. (plus disposal costs) |
| 3. Add wire lath and new plaster over existing plaster | \$5.00-\$10.00 per sq. ft. |
| 4. Spray stipple on existing ceiling | \$2.00-\$4.00 per sq. ft |
| 5. Install suspended tile ceiling | \$5.00-\$10.00 per sq. ft. |
| 6. Install drywall on unfinished basement ceiling | \$5.00-\$10.00 per sq. ft. |
| 7. Sand and refinish hardwood floors | \$2.00-\$4.00 per sq. ft. |
| 8. Install hardwood floors : -3/8 inch thick -3/4 inch thick | \$8 per sq. ft. $\$ 12$ per sq. ft. |
| 9. Install parquet flooring | \$5-\$10 per sq. ft. |
| 10. Install ceramic floor tiles | \$15 and up per sq. ft. |
| 11. Install vinyl floor tiles | \$3 and up per sq. ft. |
| 12. Install sheet vinyl | \$6-\$12 per sq. ft. |
| 13. Install synthetic wall-to-wall carpet | \$25-\$50 per sq. yard |


| 14. Install wool wall-to-wall <br> carpet | $\$ 60$ and up per sq. yard |
| :--- | :--- |
| 15. Install laminate flooring | $\$ 3.00-\$ 6.00$ per sq. yard |
| 16. Clean carpets | $\$ 30$ per room <br> (minimum $\$ 120)$ |

## INTERIOR (Continued)

| 17. Replacement windows : -Sliding <br> -Casement <br> -Awning <br> -Double hung <br> -Fixed <br> -Bay | $\$ 40-\$ 100$ per sq. ft. $\$ 60-\$ 120$ per sq. ft. $\$ 40-\$ 100$ per sq. ft. $\$ 60-\$ 120$ per sq. ft. $\$ 35-\$ 80$ per sq. ft. $\$ 40-\$ 100$ per sq. ft. |
| :---: | :---: |
| 18. Storm windows | \$200-\$400 each |
| 19. Convert coal-burning fireplace to wood-burning unit (if possible) | \$4000 and up |
| 20. Install masonry fireplace: -with single flue chimney -from rough-in | $\begin{aligned} & \$ 7000 \text { and up } \\ & \$ 3000 \text { and up } \end{aligned}$ |
| 21. Install zero clearance fireplace | \$3500 and up |
| 22. Install gas fireplace (excluding interior finishes) | \$4000 and up |
| 23. Install glass doors on fireplace | \$300 and up |
| 24. Clean fireplace chimney flue | \$75-\$150 each |
| 25. Install fireplace damper | \$700 and up |
| 26. Install interior hollow-core door | \$300-\$600 |
| 27. Install interior custom wood door | \$450 and up |
| 28. Install exterior door | \$750-\$3000 |


| 29. Install closer on garage man <br> door | $\$ 200-\$ 400$ |
| :--- | :--- |
| 30. Install storm door | $\$ 500-\$ 1000$ (ten to twenty yrs) |
| 31. Install sliding glass doors : <br> -brick wall <br> -wood frame wall | $\$ 3500-\$ 7000$ |
| 32. Replace sliding glass door | $\$ 2500-\$ 5000$ |
| 33. Install skylight | $\$ 3000-\$ 5000$ (ten to twenty yrs) |

## INTERIOR (Continued)

| 34. Install roof window or <br> ventilating skylight | $\$ 1500$ and up |
| :--- | :--- |
| 35. Install kitchen cabinets | $\$ 300$ and up per lin. ft. |
| 36. Install kitchen counter | $\$ 25$ and up per lin. ft. |
| 37. Install ceiling fan | $\$ 500$ and up |
| 38. Install conventional alarm <br> system | $\$ 1000$ and up |
| 39. Install central vacuum <br> system | $\$ 1000-\$ 2000$ |
| 40. Install central vacuum <br> canister only | $\$ 500-\$ 1000$ |
| 41. Paint interior (walls, <br> ceilings, doors, trim) of <br> entire house | $\$ 3000$ and up (five to ten yrs) |
| 42. Hang wallpaper | $\$ 3.00$ and up per sq. ft. |
| 43. Urethane injection of <br> poured concrete foundation <br> cracks | $\$ 400-\$ 800$ each |
| 44. Excavate and repair <br> foundation cracks | $\$ 1000-\$ 2000$ each |

45. Injection repair of tie rod hole
46. Install interior dampproofing system on inside of foundation walls
47. Damp-proof foundation walls and install perimeter
$\$ 150-\$ 300$ per lin. ft. drainage tiles (minimum \$3000)
