

# HomeTech Handyman Cost Estimator

Dollars and Cents Materials  
And Labor Costs for Home  
Repairs and Alterations

MD 02  
Summer / Fall

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# 2013

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The data contained in this manual has been  
researched for the following area:

**MARYLAND 2**  
**Baltimore and Surrounding Areas**

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# ABBREVIATIONS

## THE FOLLOWING ABBREVIATIONS ARE USED IN THIS MANUAL:

- LF Per linear foot (per running foot)
- SF Per square foot of area
- EA Total cost for all the materials and labor items included in the specifications
- MIN Minimum total cost for item specified.
- “Repair floor level brick hearth, up to 10 bricks.” The costs shown are the total minimum cost for repairing up to 10 bricks.
- ADD Additional bricks over 10 bricks, add the costs shown for each additional brick to the costs for 10 bricks. The result is the total cost for all the bricks to be repaired.

# Contents

1.	Plans, Permits, Engineering	2
2.	Tear-out and Demolition	4
3.	Excavating and Grading	28
4.	Concrete	34
5.	Masonry	42
6.	Floor Framing	54
7.	Wall Framing	58
8.	Roof Framing	60
9.	Roof Covering	64
10.	Exterior Trim, Porch, Deck	68
11.	Siding	98
12.	Exterior Doors and Door Trim	104
13.	Windows and Window Trim	138
14.	Plumbing	144
15.	Heating and Cooling	182
16.	Electrical	186
17.	Insulation	202
18.	Interior Wall Covering	208
19.	Ceiling Covering	214
20.	Interior Doors, Millwork and Trim	218
21.	Cabinets and Appliances	242
22.	Specialties	248
23.	Floor Covering	260
24.	Painting	266
25.	Clean-up and Hauling	294
	INDEX	296

# Preface To The

This estimating manual has been prepared for the use of handyman contractors, estimators, insurance adjusters and other professionals who need up-to-date cost information on which to base their home repair, home improvement and alteration estimates.

Job costs include laying out the work, sweeping up and piling debris outside the building, but does not include removal of debris from premises unless it is specified.

A gross profit is included in the sales price for all items, which is obtained by marking up the materials costs 25% and the labor costs 125%.

This markup will produce a minimum gross profit equal to 125% of the labor cost and when expensive materials are used, it will be equal to considerably more than 125% of the labor cost.

## Materials Costs

The materials costs in this volume are based on current costs in local areas throughout the U.S. and Canada and include applicable state, provincial and federal sales taxes.

The cost of materials includes everything that goes into the job. For example, drywall material would include the board, drywall nails, corner beads, tape, joint compound, and even sandpaper. A normal waste factor is included for all cost items.

The materials costs shown do not include time spent in picking up and delivering materials to the job. The time spent in obtaining materials should be included in the labor cost estimate when presenting the work proposal to the customer.

## Labor Costs

The labor costs shown in this book include:

- Hourly Wages
- Workers' Compensation Insurance
- Social Security Taxes or CCP (Canada)
- Medicare
- Unemployment Tax
- Minor Daily Cleanup
- Coffee Breaks
- Setup and Layout Time

Also included are the normal inefficiencies of the handyman business: time spent in discussions with customers on the job, placing and protecting delivered materials, dust and security protection, difficult access to the work, difficulty in matching materials, waiting for customer selections, etc.

Paid holidays, vacation and medical benefits are not included in the labor costs. If your employees receive these fringe benefits, you should calculate what these are as an hourly figure for 2,000 hours per year and add that to the labor costs shown in the manual.

## Overhead Items

Overhead items must be paid for out of the gross profit, which is included in the amount shown in the "PRICE" column.

Whether the handyman company is a one-man operation or has 20 trucks on the road, it is bound to have overhead expenses. These overhead expenses enable the handyman company to provide its customers with products, professional services, research and installation necessary to keep their homes well maintained.

Overhead items include the following:

- Office Salaries
- Supervision
- Training
- Truck Expense
- Telephone
- Advertising and Marketing
- Office Rental
- Office Supplies
- Legal Fees
- Accountant Fees Commissions
- Bonuses
- Leased Office Equipment
- Tools and Equipment
- Interest on Loans
- Bad Debts
- Insurance and Bonds

## Judgment Factors

Handyman work is difficult to estimate. Care should be taken to determine whether structural defects exist inside closed floors, walls and ceilings before contracting for the work.

The costs in the HomeTech Handyman Cost Estimator are based on sunny days with reasonable access to the work. There are more hidden problems resulting in additional costs than normally occur in new home construction or remodeling. The costs do, however, reflect some of the difficulties and surprises encountered in handyman projects and are realistic.

# Handyman Cost Estimator

## Minimum Charge

A contractor should establish a minimum amount to charge his customers for labor on any work performed. This is sometimes referred to as a "trip charge." It is a one time minimum charge and will not be repeated even if several different jobs are completed over several days at the customer's home.

A minimum amount that some contractors charge their customers may be the equivalent of 2 hours labor cost plus 125% markup. If 2 hours labor for one worker costs the company \$50, the minimum charge to the customer including the 125% markup would be \$112.50.

## Markup of Materials and Labor Costs

In this manual, we are assuming a markup on the materials costs of 25% and a markup of 125% on the labor.

It is difficult to run a successful handyman business unless you mark up your costs in this way to pay for the work and the overhead and provide you with a net profit on each job. It is up to each contractor to determine the markup he needs to be successful.

## The Job Price Estimate

For the purposes of the examples we are showing here, we are assuming that your company marks up materials costs 25% and labor costs 125% to obtain an adequate gross profit.

If the contractor estimates from the manual that the cost for the proposed work will be \$5 for materials and \$25 for labor, a total of \$30, he will charge the customer \$6.25 for materials ( $\$5.00$  plus 25% = \$6.25) and \$112.50 for labor (the minimum charge of two hours @ \$25 per hour plus 125% = \$112.50) a total of \$118.75 which rounds out to \$119.

If the contractor estimates from the manual that the cost for the proposed work will be \$50 for materials and \$250 for labor, a total of \$300, he will charge the customer \$62.50 for materials ( $\$50$  plus 25% = \$62.50) and \$562.50 for labor ( $\$250$  plus 125% = \$562.50) a total of \$625.

The contractor will earn a gross profit on the job of \$325, which is 52% of the total price, and the gross profit is 130% of the total labor cost.

If the costs for the proposed work are \$976 for materials and \$106 for labor, a total of \$1082, he will give the customer a price estimate of \$1,458.  $\$976$  plus 25% markup = \$1,220 and  $\$106$  plus 125% markup = \$238.50, a total of \$1458

The contractor will earn a gross profit on this job of \$376, which is 26% of the price, and the gross profit is 355% of the total labor cost.

In these two examples the labor hours far exceed the two hour minimum and the minimum charge is easily included in the selling price for the job.

## Setup and Preparation Time

Many of the items in this manual show costs for up to a minimum sized quantity and additional costs for work exceeding that quantity. This provides the contractor with compensation for time spent setting up the job, including dust and security protection and bringing in tools, equipment and materials. Sometimes the setting up time will exceed the time spent in actually performing the work itself.

## Materials Pick-up and Carry

It may be necessary to make a special trip to purchase and carry materials to the job site. This trip should be included as a labor cost in the estimate. On page 3 we show this item in the specifications and have set a cost equal to one hour per trip. In some cases, multiple purchases may have to be made on one trip and the contractor must judge how much labor time to estimate as a job cost.

## Building Costs

Every effort is made to provide up-to-date, accurate cost information. Building costs throughout the United States and Canada are monitored, but cost changes can occur frequently and are not always consistent with general economic conditions in an area.

***No warranty or guarantee is made as to the correctness or sufficiency of the information contained in this manual. The editors and publisher assume no responsibility or liability in connection with its use.***

The editors wish to thank all who have generously assisted in the preparation of this volume. Constructive criticism that will assist us in the preparation of future editions will be welcomed.

Please write, telephone or e-mail us if you wish to suggest handyman items for us to include in future editions. It is our aim to make this estimating system of maximum value to our subscribers and to make it as comprehensive as is practical.

Homotech Publishing Team  
www.homotechpublishing.com

# How to Use the Cost Estimator

## General Information

This manual is the best estimating guide available in the handyman industry, but in order to use it properly, you must check it against the realities of your operation and adjust the figures as needed.

For example, if the manual shows that drywall costs \$1.50 per square foot and your experience tells you it costs you \$1.60 per square foot, you should change the figure in the manual to \$1.60 to reflect the reality.

Unit cost estimating allows you to estimate standard work very quickly and accurately. But that is only about 90% of a good, detailed bid. You need to apply a judgment analysis to any estimate to reflect special conditions. That analysis should include the following:

**Project Analysis:** If there are some unusual characteristics to the job, such as difficult matching of materials, increase the job costs.

**Job Conditions:** Difficult conditions such as poor access, little or no storage, high risk of theft, etc., should be reflected in increased job costs.

**Customer Analysis:** Some customers will be unusually demanding and can cost you all the profit on a job unless you recognize them for what they are and increase your estimate to allow you to satisfy them and still make a profit.

**Company Capability:** Certain kinds of work may be easier or harder than usual for your workers; your estimate should be adjusted to reflect that. If you will need to hire more people or pay overtime in order to do a particular job, your increased costs should be reflected in your estimate.

## The 25 Categories

The manual is broken down into 25 categories as listed in the Contents.

These categories are organized into the order that a job is built, from Plans and Permits on through to Clean-Up and Hauling. Many contractors use these 25 categories as a checklist to be sure they have not forgotten anything.

## Page Set-up

Here is an example of how an individual item is set up: look at any page in the manual. In the SPECIFICATIONS section is a clear description of what is included in the item.

The unit of measure "SF" stands for square feet. Other items may be "LF" for linear feet, "MIN" for minimum cost for item or items listed, and "EA" for each item. There are columns for Materials Cost, Labor Cost, Total Cost and the Selling Price.

The labor figures in the manual are based on actual labor for thousands of jobs, translated into unit cost amounts. They provide an accurate guide, but since different companies have different labor efficiencies, you should habitually compare your actual labor costs on jobs with the costs in the manual.

## Total Price

The selling price is obtained by marking up the material costs 25% for a 20% gross profit based on the selling price. The labor costs are marked up 125% for a 55-1/2% gross profit based on the selling price. We recommend these markups over cost as the minimum needed to succeed in handyman contracting.

## Sample Estimates

In the first sample estimate, costs are shown for up to a minimum sized quantity of work with additional costs to be added to the minimum for work exceeding that quantity.

Where the Unit is "MIN", the materials and labor costs shown are for up to the total number of pieces, linear feet, or square feet stated.

If there is a larger quantity than the minimum, that will appear on the next line with instructions (**ADD**) to add it to the other amount to obtain the complete cost for the item.

In the second sample estimate on page viii, the estimator is working with a price estimate sheet on which the direct job costs are omitted and only the customer's prices are shown.

# ESTIMATE SHEET

Sheet 1 of 1

Name <b>JOHN &amp; MARY HOMEOWNER</b>	Telephone <b>555-555-3210</b>	Date <b>8-28-06</b>
Address <b>1612 MAIN STREET, RED BANK</b>	Telephone <b>OFFICE 555-555-0432</b>	Scheduled Starting Date <b>9-28-06</b>
Job Address <b>SAME</b>	Job Telephone <b>555-555-2345</b>	Estimator <b>K.J.</b>

Description of Work	Unit	Unit Quantity	CONTRACTOR'S DIRECT JOB COST				Total
			Materials		Labor		
			Unit Cost	Amount	Unit Cost	Amount	
<b>WINDOW AREAWALL- METAL RETAINING WALL AROUND BASEMENT WINDOW - BACKFILL &amp; GRADE</b>  TOTAL QUANTITY: 1	<b>EA</b>	<b>1</b>	<b>25</b>	<b>25</b>	<b>100</b>	<b>100</b>	<b>125</b>
	ADD						
<b>2 " CONCRETE SCREED COAT UNDER PORCH OVER GRAVEL AND VAPOR BARRIER</b>  TOTAL QUANTITY: 55 SF	<b>MIN</b>	<b>55 SF</b>	<b>651</b>	<b>651</b>	<b>150</b>	<b>150</b>	<b>801</b>
	ADD						
<b>INSTALL 1/2 " GYPSUM DRYWALL OVER TWO EXISTING WALLS IN DINING ROOM - FINISHED, READY FOR PAINTING</b>  TOTAL QUANTITY: 255 SF	<b>MIN</b>	<b>100 SF</b>	<b>37</b>	<b>37</b>	<b>135</b>	<b>135</b>	<b>112</b>
	ADD	<b>155 SF</b>	<b>.37</b>	<b>58</b>	<b>.35</b>	<b>54</b>	
<b>INSTALL OWNER'S NEW SURFACE MOUNTED DEADBOLT LOCK</b>  TOTAL QUANTITY: 1	<b>EA</b>	<b>1</b>			<b>38</b>	<b>38</b>	<b>38</b>
	ADD						
<b>PURCHASE AND CARRY GYPSUM DRYWALL TO JOB</b>  TOTAL QUANTITY: 1 TRIP	<b>EA</b>	<b>1</b>				<b>60</b>	<b>60</b>
	ADD						
TOTAL QUANTITY:	ADD						
	Total Direct Job Cost			<b>771</b>	<b>537</b>	<b>1308</b>	
Add Markup Amount		<b>25%</b>	<b>193</b>	<b>125%</b>	<b>671</b>	<b>%</b>	<b>864</b>
Total Selling Price			<b>964</b>	<b>1208</b>	<b>2172</b>		

# ESTIMATE SHEET

Sheet **1** of **1**

Name <b>JOHN &amp; MARY HOMEOWNER</b>	Telephone <b>555-555-3210</b>	Date <b>8-28-06</b>		
Address <b>1612 MAIN STREET, RED BANK</b>	Telephone <b>OFFICE 555-555-0432</b>	Scheduled Starting Date <b>9-28-06</b>		
Job Address <b>SAME</b>		Estimator <b>K.J.</b>		
Description of Work	Unit	Quantity	Price	
			Unit Price	Total Amount
<b>WINDOW AREAWALL - METAL RETAINING WALL AROUND BASEMENT WINDOW - BACKFILL &amp; GRADE</b>	<b>EA</b>	<b>1</b>	<b>256</b>	<b>256</b>
	ADD:			
TOTAL QUANTITY: <b>1</b>				
<b>2 " CONCRETE SCREED COAT UNDER PORCH OVER GRAVEL AND VAPOR BARRIER</b>	<b>MIN</b>	<b>55 SF</b>	<b>1151</b>	<b>1151</b>
	ADD:			
TOTAL QUANTITY: <b>55 SF</b>				
<b>INSTALL ½ " GYPSUM DRYWALL OVER TWO EXISTING WALLS IN DINING ROOM - FINISHED, READY FOR PAINTING</b>	<b>MIN</b>	<b>100 SF</b>	<b>350</b>	<b>350</b>
	ADD:		<b>1.25</b>	
TOTAL QUANTITY: <b>255 SF</b>	<b>SF</b>	<b>155 SF</b>		<b>193</b>
<b>INSTALL OWNER'S NEW SURFACE MOUNTED DEADBOLT LOCK</b>	<b>EA</b>	<b>1</b>	<b>86</b>	<b>86</b>
	ADD:			
TOTAL QUANTITY: <b>1</b>				
<b>PURCHASE AND CARRY GYPSUM DRYWALL TO JOB</b>	<b>EA</b>	<b>1</b>	<b>135</b>	<b>135</b>
	ADD:			
TOTAL QUANTITY: <b>1 TRIP</b>				
<b>TOTAL PRICE</b>			<b>2171</b>	

# HomeTech Handyman Cost Estimator

# 1. PLANS AND PERMITS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REMODELING, RENOVATION AND ALTERATION WORK PLANS	In addition to building permit fee. Cost is based on total amount of direct job cost <ul style="list-style-type: none"> <li>■ Includes on-site survey and measurements by designer</li> <li>■ Includes conferences with and approval of plans by Owner</li> </ul>						
	Basic cost for plans	MIN	---	---	---	---	01.000
	Each \$1,000 of direct job cost <b>ADD</b>	EA	---	---	---	---	01.001
BUILDING PERMIT FEE (AVERAGE AMOUNT FOR U.S. AND CANADA)	Building permit fee, based on total direct cost of job						
	Basic building permit fee	MIN	---	---	---	---	01.003
	Each \$1,000 of direct job cost <b>ADD</b>	EA	---	---	---	---	01.004

# 1. ENGINEERING AND MISCELLANEOUS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
PERCOLATION TESTING	Testing for percolation by engineer for condition of septic tank and drainage field	EA	---	---	---	---	01.010
RADON	Test for presence of radon in home <ul style="list-style-type: none"> <li>■ Place canister in home</li> <li>■ Pick up after 48 hours</li> <li>■ Report results</li> </ul>	EA	---	---	---	---	01.015
LEAD IN PAINT	Collect samples from house and test for presence of lead in paint						
	5-6 room house	EA	---	---	---	---	01.021
	7-8 room house	EA	---	---	---	---	01.022
	9-10 room house	EA	---	---	---	---	01.023
ASBESTOS	Collect samples of insulation, floor tile, pipe wrap, etc., and test for presence of asbestos in house	EA	---	---	---	---	01.025
MATERIALS PICK-UP	Purchase materials and carry to job site	EA	—	23.50	23.50	52.88	
	EA = Each trip						

## 2. CONCRETE DEMOLITION

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
SIDEWALK	Break up brick or concrete sidewalk with electric breaker hammer, no equipment rental included						
	Up to 10 SF	MIN	---	---	---	---	02.001
	Additional area over 10 SF <b>ADD</b>	SF	---	---	---	---	02.002
	Break up brick or flagstone sidewalk set in sand or crushed stone, by hand	SF	---	---	---	---	02.003
	Break up flagstone set in mortar, with electric breaker hammer, no equipment rental included	SF	---	---	---	---	02.004
CONCRETE SLAB	Break up existing slab in basement with electric breaker hammer and haul rubble outside to grade, no equipment rental included						
	2" thick, up to 50 SF	MIN	---	---	---	---	02.011
	Additional area over 50 SF <b>ADD</b>	SF	---	---	---	---	02.012
	4" thick, up to 50 SF	MIN	---	---	---	---	02.013
	Additional area over 50 SF <b>ADD</b>	SF	---	---	---	---	02.014
	6" thick, up to 50 SF	MIN	---	---	---	---	02.015
	Additional area over 50 SF <b>ADD</b>	SF	---	---	---	---	02.016
	Break up existing slab outside on grade with electric breaker hammer, 6" thick, no equipment rental included						
	No reinforcement, up to 50 SF	MIN	---	---	---	---	02.021
	Additional area over 50 SF <b>ADD</b>	SF	---	---	---	---	02.022
	Reinforced, up to 50 SF	MIN	---	---	---	---	02.023
	Additional area over 50 SF <b>ADD</b>	SF	---	---	---	---	02.024
CONCRETE SAWING	Cut concrete with gas concrete saw, per inch deep, no equipment rental included						
	Concrete slab w/mesh	LF	---	---	---	---	02.030
	Concrete wall, no reinforcement	LF	---	---	---	---	02.031
	Reinforced concrete wall	LF	---	---	---	---	02.032
	Brick wall	LF	---	---	---	---	02.033
	Block wall	LF	---	---	---	---	02.034

## 2. BRICK, BLOCK AND STONE DEMOLITION

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
BLOCK WALL	Remove block wall by hand, no reinforcement						
	4", up to 50 SF	MIN	---	---	---	---	02.040
	Additional area over 50 SF <b>ADD</b>	SF	---	---	---	---	02.041
	8", up to 50 SF	MIN	---	---	---	---	02.042
	Additional area over 50 SF <b>ADD</b>	SF	---	---	---	---	02.043
	12", up to 50 SF	MIN	---	---	---	---	02.044
	Additional area over 50 SF <b>ADD</b>	SF	---	---	---	---	02.045
BRICK WALL	Remove brick wall by hand						
	4" veneer, up to 50 SF	MIN	---	---	---	---	02.051
	Additional area over 50 SF <b>ADD</b>	SF	---	---	---	---	02.052
	8" solid, up to 50 SF	MIN	---	---	---	---	02.053
	Additional area over 50 SF <b>ADD</b>	SF	---	---	---	---	02.054
	12" solid, up to 50 SF	MIN	---	---	---	---	02.055
	Additional area over 50 SF <b>ADD</b>	SF	---	---	---	---	02.056
	Remove brick wall with heavy duty electric hammer						
	4" veneer, up to 50 SF	MIN	---	---	---	---	02.060
	Additional area over 50 SF <b>ADD</b>	SF	---	---	---	---	02.061
	8" solid, up to 50 SF	MIN	---	---	---	---	02.062
	Additional area over 50 SF <b>ADD</b>	SF	---	---	---	---	02.063
12" solid, up to 50 SF	MIN	---	---	---	---	02.064	
Additional area over 50 SF <b>ADD</b>	SF	---	---	---	---	02.065	
BRICK AND BLOCK	Remove brick and block wall with heavy duty electric hammer						
	8" thick wall, up to 50 SF	MIN	---	---	---	---	02.070
	Additional area over 50 SF <b>ADD</b>	SF	---	---	---	---	02.071
	12" thick wall, up to 50 SF	MIN	---	---	---	---	02.072
	Additional area over 50 SF <b>ADD</b>	SF	---	---	---	---	02.073
STONE WALL	Remove 12" x 16" stones with heavy duty electric hammer						
	Stone wall, up to 50 SF	MIN	---	---	---	---	02.075
	Additional area over 50 SF <b>ADD</b>	SF	---	---	---	---	02.076

## 2. OPEN CONCRETE WALL FOR DOOR OR WINDOW INSTALLATION

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
<p><i>The costs shown below are for making an opening ready for door or window installation and for patching the walls inside and out after installation.</i></p> <p><i>Add the costs of the selected doors, windows, door entrances and accessories to the preparation and patching costs shown here</i></p>							
BREAK THROUGH CONCRETE WALL	<p>Break through concrete wall to prepare for door or window installation</p> <ul style="list-style-type: none"> <li>■ Break opening in concrete wall with pneumatic tool</li> <li>■ Install wood header, steel lintel or beam over new opening as required to support walls, joists or rafters above</li> <li>■ Frame in for door or window installation with 2" x 4" or 2" x 6" lumber</li> <li>■ Patch concrete walls inside and outside after door or window installation</li> <li>■ No removal or re-location of electric outlets and fixtures, ductwork or plumbing pipes is included in costs shown</li> </ul>						
	<p><b>8" thick wall, no reinforcement</b></p> <p>Up to 3'-0" LF wide opening</p>	MIN	---	---	---	---	02.100
	<p>Additional LF over 3'-0" LF <b>ADD</b></p>	LF	---	---	---	---	02.101
	<p><b>8" thick wall, reinforced</b></p> <p>Up to 3'-0" LF wide opening</p>	MIN	---	---	---	---	02.102
	<p>Additional LF over 3'-0" LF <b>ADD</b></p>	LF	---	---	---	---	02.103
	<p><b>12" thick wall, no reinforcement</b></p> <p>Up to 3'-0" LF wide opening</p>	MIN	---	---	---	---	02.105
	<p>Additional LF over 3'-0" LF <b>ADD</b></p>	LF	---	---	---	---	02.106
	<p><b>12" thick wall, reinforced</b></p> <p>Up to 3'-0" LF wide opening</p>	MIN	---	---	---	---	02.107
	<p>Additional LF over 3'-0" LF <b>ADD</b></p>	LF	---	---	---	---	02.108

## 2. OPEN EXTERIOR WALL FOR DOOR OR WINDOW INSTALLATION

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.	
		MATLS	LABOR	TOTAL			
<p><b>OPEN EXTERIOR WALL</b></p> <p><i>The costs shown below are for making an opening ready for door or window installation and for patching the walls inside and out after installation.</i></p> <p><i>Add the costs of the selected doors, windows, door entrances and accessories to the preparation and patching costs shown here</i></p> <ul style="list-style-type: none"> <li>■ Erect shoring, security and dust protection wall enclosing work area</li> <li>■ Break through brick veneer, brick and block or framed wall with plaster or gypsum drywall inside</li> <li>■ Clean and store bricks or siding and interior trim for re-use</li> <li>■ Install wood header, lintel or beam over new opening as required to support walls, joists or rafters above</li> <li>■ Frame in for door or window installation with 2" x 4" or 2" x 6" lumber</li> <li>■ Patch exterior to match existing as closely as possible</li> <li>■ Patch interior wall after door or window installation, including patching in the saved base moulding where required</li> <li>■ No floor patching included</li> <li>■ No painting touch-up included</li> </ul> <p style="text-align: center;"><b><i>Framed wall with siding</i></b></p> <p style="padding-left: 40px;">Up to 3'-0" wide opening    MIN    ---    ---    ---    ---    02.110</p> <p style="padding-left: 40px;">Additional LF width over 3'-0" LF    <b>ADD</b>    LF    ---    ---    ---    ---    02.111</p> <p style="text-align: center;"><b><i>Brick veneer wall</i></b></p> <p style="padding-left: 40px;">Up to 3'-0" wide opening    MIN    ---    ---    ---    ---    02.112</p> <p style="padding-left: 40px;">Additional LF width over 3'-0" LF    <b>ADD</b>    LF    ---    ---    ---    ---    02.113</p> <p style="text-align: center;"><b><i>Brick and block wall</i></b></p> <p style="padding-left: 40px;">Up to 3'-0" wide opening    MIN    ---    ---    ---    ---    02.114</p> <p style="padding-left: 40px;">Additional LF width over 3'-0" LF    <b>ADD</b>    LF    ---    ---    ---    ---    02.115</p>							
RE-LOCATE ELECTRICAL OUTLET	Re-locate existing electrical outlet, switch or fixture to either side of future opening, no floor patching included	EA	---	---	---	---	02.120
RE-LOCATE DUCTWORK	Re-locate existing ductwork to either side of future opening, no floor patching included	EA	---	---	---	---	02.121
RE-LOCATE RADIATOR	Re-locate existing radiator to either side of future opening, no floor patching included	EA	---	---	---	---	02.122

## 2. REMOVE DOOR FROM WALL FOR WINDOW INSTALLATION

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
<p><i>The costs shown below are for removing a door, making the opening ready for window installation and for patching the walls inside and out after window installation.</i></p> <p><i>Add the costs of the selected windows and accessories to the preparation and patching costs shown here</i></p>						
<p>REMOVE DOOR FROM WALL</p> <p>Remove existing door from brick veneer, brick and block or framed wall and prepare opening for installation of window no wider than the door</p> <ul style="list-style-type: none"> <li>■ Erect security and dust protection wall enclosing work area</li> <li>■ Remove door and trim from wall</li> <li>■ Frame in for window installation with 2" x 4" or 2" x 6" lumber, 1/2" plywood sheathing and insulation</li> <li>■ Patch the interior walls after window installation with drywall, taped and finished</li> <li>■ Install base and shoe moulding to match existing as closely as possible</li> <li>■ Tooth in brick or siding at sides of new window opening</li> <li>■ Not included is brickwork or siding under new window</li> <li>■ No painting touch-up included</li> </ul> <p style="text-align: center;"><b>Framed wall with siding</b></p> <p style="padding-left: 40px;">Up to 3'-0" wide opening</p> <p style="padding-left: 40px;">Additional LF width over 3'-0" LF <b>ADD</b></p> <p style="text-align: center;"><b>Brick veneer wall</b></p> <p style="padding-left: 40px;">Up to 3'-0" wide opening</p> <p style="padding-left: 40px;">Additional LF width over 3'-0" LF <b>ADD</b></p> <p style="text-align: center;"><b>Brick and block wall</b></p> <p style="padding-left: 40px;">Up to 3'-0" wide opening</p> <p style="padding-left: 40px;">Additional LF width over 3'-0" LF <b>ADD</b></p>						
<p>ADDITIONAL BRICKWORK</p> <p>Install brickwork under new window to match existing as closely as possible, including toothing in to existing bricks</p>	SF	---	---	---	---	02.137
<p>ADDITIONAL SIDING</p> <p>Install siding under new window to match existing as closely as possible, including toothing in to existing siding</p>	SF	---	---	---	---	02.138

## 2. REMOVE DOOR AND ENLARGE OPENING FOR WINDOW

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
<p><b>REMOVE DOOR AND ENLARGE OPENING FOR WINDOW INSTALLATION</b></p> <p><i>The costs shown below are for removing a door, making the opening ready for window installation and for patching the walls inside and out after window installation.</i></p> <p><i>Add the costs of the selected windows and accessories to the preparation and patching costs shown here</i></p> <p>Remove existing door from brick veneer, brick and block or framed wall and prepare opening for installation of window wider than the door</p> <ul style="list-style-type: none"> <li>■ Erect shoring, security and dust protection wall enclosing work area</li> <li>■ Remove door from wall</li> <li>■ Remove wall from side of door and below to required width</li> <li>■ Remove existing header and install new wood header, steel lintel or beam to support walls or roof above</li> <li>■ Frame in for window installation with 2" x 4" or 2" x 6" lumber, 1/2" plywood sheathing and insulation</li> <li>■ Patch the interior walls after window installation with drywall, taped and finished</li> <li>■ Install base and shoe moulding to match existing as closely as possible</li> <li>■ Tooth in brick or siding at sides of new window opening and above new steel lintel</li> <li>■ Not included is brickwork or siding under new window</li> <li>■ No painting touch-up included</li> </ul> <p style="text-align: center;"><b><i>Framed wall with siding</i></b></p> <p style="padding-left: 40px;">Up to 3'-0" wide opening</p> <p style="padding-left: 40px;">Additional LF opening over 3'-0" LF <b>ADD</b></p> <p style="text-align: center;"><b><i>Brick veneer wall</i></b></p> <p style="padding-left: 40px;">Up to 3'-0" wide opening</p> <p style="padding-left: 40px;">Additional LF opening over 3'-0" LF <b>ADD</b></p> <p style="text-align: center;"><b><i>Brick and block wall</i></b></p> <p style="padding-left: 40px;">Up to 3'-0" wide opening</p> <p style="padding-left: 40px;">Additional LF opening over 3'-0" LF <b>ADD</b></p> <p><b>ADDITIONAL BRICKWORK</b></p> <p>Install brickwork under new window to match existing as closely as possible, including tothing in to existing bricks</p> <p><b>ADDITIONAL SIDING</b></p> <p>Install siding under new window to match existing as closely as possible, including tothing in to existing siding</p>						
	MIN	---	---	---	---	02.140
	LF	---	---	---	---	02.141
	MIN	---	---	---	---	02.142
	LF	---	---	---	---	02.143
	MIN	---	---	---	---	02.144
	LF	---	---	---	---	02.145
	SF	---	---	---	---	02.147
	SF	---	---	---	---	02.148

## 2. REMOVE WINDOW FROM WALL FOR DOOR INSTALLATION

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
<p><b>The costs shown below are for removing a window or windows, making the opening ready for door installation and for patching the walls inside and out after door installation.</b></p> <p><b>Add the costs of the selected doors, entrances and accessories to the preparation and patching costs shown here</b></p>						
<p>REMOVE WINDOW(S) FROM WALL</p> <p>Remove existing window(s) from brick veneer, brick and block or framed wall and prepare opening for installation of door no wider than the window</p> <ul style="list-style-type: none"> <li>■ Erect security and dust protection wall enclosing work area</li> <li>■ Remove window(s) from wall</li> <li>■ Open wall below window(s), clean and store bricks or siding and base mouldings for re-use</li> <li>■ Frame in for door installation with 2" x 4" or 2" x 6" lumber, 1/2" plywood sheathing and insulation</li> <li>■ Patch the interior walls after door installation, including installation of the saved base mouldings</li> <li>■ Tooth in bricks or siding at sides of new door opening</li> <li>■ No painting touch-up included</li> </ul>						
<p style="text-align: center;"><b>Framed wall with siding</b></p> <p>Up to 3'-0" wide opening</p>	MIN	---	---	---	---	02.150
<p>Additional LF width over 3'-0" LF <b>ADD</b></p>	LF	---	---	---	---	02.151
<p style="text-align: center;"><b>Brick veneer wall</b></p> <p>Up to 3'-0" wide opening</p>	MIN	---	---	---	---	02.152
<p>Additional LF width over 3'-0" LF <b>ADD</b></p>	LF	---	---	---	---	02.153
<p style="text-align: center;"><b>Brick and block wall</b></p> <p>Up to 3'-0" wide opening</p>	MIN	---	---	---	---	02.154
<p>Additional LF width over 3'-0" LF <b>ADD</b></p>	LF	---	---	---	---	02.155
<p>RE-LOCATE ELECTRICAL OUTLET</p> <p>Re-locate exiting electrical outlet, switch or fixture to either side of future doorway, no floor patching included</p>	EA	---	---	---	---	02.157
<p>RE-LOCATE DUCTWORK</p> <p>Re-locate existing ductwork to either side of future doorway, no floor patching included</p>	EA	---	---	---	---	02.158
<p>RE-LOCATE RADIATOR</p> <p>Re-locate existing radiator to either side of future doorway, no floor patching included</p>	EA	---	---	---	---	02.159

## 2. REMOVE WINDOW AND ENLARGE OPENING FOR DOOR

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
<p><i>The costs shown below are for removing a window, making the opening ready for door installation and for patching the walls inside and out after door installation.</i></p> <p><i>Add the costs of the selected doors and accessories to the preparation and patching costs shown here</i></p> <p>REMOVE WINDOW FROM WALL</p> <p>Remove existing window from brick veneer, brick and block or framed wall and prepare opening for installation of door wider than the window</p> <ul style="list-style-type: none"> <li>■ Erect shoring, security and dust protection wall enclosing work area</li> <li>■ Remove window from wall</li> <li>■ Remove wall from side of window and below to required width</li> <li>■ Remove existing header and install new wood header, steel lintel or beam as required to support walls, joists or rafters above</li> <li>■ Frame in for door installation with 2" x 4" or 2" x 6" lumber, 1/2" ply- wood sheathing and insulation</li> <li>■ Patch the interior walls after door installation with drywall taped and finished</li> <li>■ Tooth in bricks or siding at sides of new door opening and above new lintel, header or beam</li> <li>■ No floor patching included</li> <li>■ No painting touch-up included</li> </ul>						
<p><b><i>Framed wall with siding</i></b> Up to 3'-0" wide opening</p>	MIN	---	---	---	---	02.160
<p>Additional LF width over 3'-0" LF <b>ADD</b></p>	LF	---	---	---	---	02.161
<p><b><i>Brick veneer wall</i></b> Up to 3'-0" wide opening</p>	MIN	---	---	---	---	02.162
<p>Additional LF width over 3'-0" LF <b>ADD</b></p>	LF	---	---	---	---	02.163
<p><b><i>Brick and block wall</i></b> Up to 3'-0" wide opening</p>	MIN	---	---	---	---	02.164
<p>Additional LF width over 3'-0" LF <b>ADD</b></p>	LF	---	---	---	---	02.165
<p>RE-LOCATE ELECTRICAL OUTLET</p> <p>Re-locate exiting electrical outlet, switch or fixture to either side of future doorway, no floor patching included</p>	EA	---	---	---	---	02.167
<p>RE-LOCATE DUCTWORK</p> <p>Re-locate existing ductwork to either side of future doorway, no floor patching included</p>	EA	---	---	---	---	02.168
<p>RE-LOCATE RADIATOR</p> <p>Re-locate existing radiator to either side of future doorway, no floor patching included</p>	EA	---	---	---	---	02.169

## 2. EXTERIOR SIDING AND TRIM TEAROUT

SPECIFICATION	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
WOOD SIDING	Remove wood siding from exterior wall					
	Drop or beveled siding, up to 50 SF	MIN	---	---	---	02.200
	Additional siding over 50 SF <b>ADD</b>	SF	---	---	---	02.201
	Plywood siding, up to 50 SF	MIN	---	---	---	02.202
	Additional siding over 50 SF <b>ADD</b>	SF	---	---	---	02.203
	Board and batten siding, up to 50 SF	MIN	---	---	---	02.204
	Additional siding over 50 SF <b>ADD</b>	SF	---	---	---	02.205
CEDAR SHINGLES	Remove cedar shingles from exterior wall					
	Up to 50 SF	MIN	---	---	---	02.210
	Additional shingles over 50 SF <b>ADD</b>	SF	---	---	---	02.211
ALUMINUM OR VINYL SIDING	Remove aluminum or vinyl siding from exterior wall					
	Up to 50 SF	MIN	---	---	---	02.215
	Additional siding over 50 SF <b>ADD</b>	SF	---	---	---	02.216
STUCCO	Remove stucco and wood lath from exterior wall					
	Up to 50 SF	MIN	---	---	---	02.220
	Additional area over 50 SF <b>ADD</b>	SF	---	---	---	02.221
	Remove stucco and metal lath from exterior wall					
	Up to 50 SF	MIN	---	---	---	02.223
	Additional area over 50 SF <b>ADD</b>	SF	---	---	---	02.224
EXTERIOR TRIM	Remove fascia board or soffit from building					
	6", up to 10 LF	MN	---	---	---	02.230
	Additional LF over 10 LF <b>ADD</b>	SF	---	---	---	02.231
	12", up to 10 LF	MN	---	---	---	02.232
	Additional LF over 10 LF <b>ADD</b>	SF	---	---	---	02.233
	18", up to 10 LF	MN	---	---	---	02.234
	Additional LF over 10 LF <b>ADD</b>	SF	---	---	---	02.235
	24", up to 10 LF	MN	---	---	---	02.236
	Additional LF over 10 LF <b>ADD</b>	SF	---	---	---	02.237

## 2. GUTTER AND DOWNSPOUT TEAROUT

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
GUTTER	Remove edge hung aluminum, copper or galvanized gutter from building						
	Up to 10 LF	MIN	---	---	---	---	02.241
	Additional LF over 10 LF <b>ADD</b>	LF	---	---	---	---	02.242
	Remove edge hung wood gutter from building						
DOWNSPOUT	Up to 10 LF	MIN	---	---	---	---	02.244
	Additional LF over 10 LF <b>ADD</b>	LF	---	---	---	---	02.245
	Remove downspout from building						
	Up to 10 LF	MIN	---	---	---	---	02.246
	Additional LF over 10 LF <b>ADD</b>	LF	---	---	---	---	02.247

## 2. PORCH AND DECK TEAROUT

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
WOOD PORCH	Remove wood porch up to 240 SF, no patching or repairs included						
	Ground level	EA	---	---	---	---	02.250
	Second story	EA	---	---	---	---	02.251
	EA = Each porch						
METAL PLATFORM AND STEPS	Remove existing metal platform and steps from one story building						
	Porch and up to 5 steps	MIN	---	---	---	---	02.255
	Additional steps over 5 steps <b>ADD</b>	EA	---	---	---	---	02.256
PORCH SCREENING	Remove porch screening and intermediate posts, install temporary supports for roof structure						
	Up to 100 SF	MIN	---	---	---	---	02.260
	Additional SF over 100 SF <b>ADD</b>	SF	---	---	---	---	02.261
	SF = Screen wall area						
PORCH FLOORING	Remove tongue and groove porch flooring						
	Up to 50 SF	MIN	---	---	---	---	02.265
	Additional SF over 50 SF <b>ADD</b>	SF	---	---	---	---	02.266
PORCH CEILING	Remove wood tongue and groove porch ceiling, including wall mouldings						
	Up to 50 SF	MIN	---	---	---	---	02.267
	Additional SF over 50 SF <b>ADD</b>	SF	---	---	---	---	02.268
PORCH AND DECK RAILING	Remove 4' x 8', 1/4" to 1/2" plywood porch ceiling with or without battens and wall mouldings						
	Up to 50 SF	MIN	---	---	---	---	02.269
	Additional SF over 50 SF <b>ADD</b>	SF	---	---	---	---	02.270
	Remove wood railing and spindles, not including posts	EA	---	---	---	---	02.280
	EA = Each rail section (between posts)						
DECK	Remove wood deck surface and framing						
	Up to 50 SF	MIN	---	---	---	---	02.285
	Additional SF over 50 SF <b>ADD</b>	SF	---	---	---	---	02.286
DECK	Remove wood deck surface only in preparation for replacing						
	Up to 50 SF	MIN	---	---	---	---	02.287
	Additional SF over 50 SF <b>ADD</b>	SF	---	---	---	---	02.288

## 2. FENCING TEAROUT

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
CHAIN LINK FENCE	Remove chain link fence, including posts set in concrete, leaving concrete in ground						
	Up to 10 LF of fencing	MIN	---	---	---	---	02.290
	Additional LF over 10 LF <b>ADD</b>	LF	---	---	---	---	02.291
WOOD FENCE	Remove 6'-0" high, 1" x 4" or 1" x 6" privacy or stockade fence, with posts not set in concrete						
	Up to 10 LF of fencing	MIN	---	---	---	---	02.295
	Additional LF over 10 LF <b>ADD</b>	LF	---	---	---	---	02.296
	Remove 6'-0" high, 1" x 4" or 1" x 6" privacy or stockade fence, with posts set in concrete, leaving concrete in ground						
	Up to 10 LF of fencing	MIN	---	---	---	---	02.298
	Additional LF over 10 LF <b>ADD</b>	LF	---	---	---	---	02.299

## 2. REMOVE NON-BEARING WALL AND MAKE FLUSH OPENING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REMOVE WALL AND MAKE FLUSH OPENING	Break through and remove non-bearing interior wall making flush ceiling and walls <ul style="list-style-type: none"> <li>■ Erect dust protection wall enclosing work area</li> <li>■ Remove base and ceiling mouldings, clean and store for re-use</li> <li>■ Break through existing studs and wall covering from wall-to-wall and flush with ceiling and remove debris to outside</li> <li>■ Patch areas on walls and ceiling with 1/2" gypsum drywall where wall was removed, taped, finished and sanded</li> <li>■ Close in floor with plywood where wall was removed, ready for finished flooring</li> <li>■ Install stored base and ceiling mouldings on new work as required</li> </ul>						
	Up to 6'-0" LF wide finished opening	MIN	---	---	---	---	02.300
	Each additional LF opening more than 6'-0" LF <b>ADD</b>	LF	---	---	---	---	02.301
HARDWOOD FLOORING	Install hardwood flooring where wall was removed, sanded and finished, no tothing in						
	Up to 6'-0" LF wide finished opening	MIN	---	---	---	---	02.305
	Each additional LF opening more than 6'-0" LF <b>ADD</b>	LF	---	---	---	---	02.306
	Install toothed in hardwood flooring where wall was removed, add to above hardwood flooring cost						
	EA = Each toothed in joint@2 1/4 in width <b>ADD</b>	EA	---	---	---	---	02.316
VINYL FLOORING	Install vinyl tile where wall was removed, laid in adhesive						
	Up to 6'-0" LF wide finished opening	MIN	---	---	---	---	02.308
	Each additional LF opening more than 6'-0" LF <b>ADD</b>	LF	---	---	---	---	02.309

## 2. REMOVE NON-BEARING WALL AND MAKE FINISHED OPENING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REMOVE WALL AND MAKE FINISHED OPENING	Break through and remove non-load bearing interior wall leaving existing wall on each side of opening and as much as 18 inches below ceiling <ul style="list-style-type: none"> <li>■ Erect dust protection wall enclosing work area</li> <li>■ Remove base and ceiling mouldings, clean and store for re-use</li> <li>■ Break through existing studs and wall covering for desired opening size and remove debris to outside</li> <li>■ Install dimension lumber header as required supported by jacks each side of new opening</li> <li>■ Finish header and sides with 1/2" drywall, taped finished and sanded</li> <li>■ Install stored base and ceiling mouldings on new work as required</li> </ul>						
	Up to 6'-0" wide finished opening	MIN	---	---	---	---	02.310
	Each additional LF opening more than 6'-0" LF <b>ADD</b>	LF	---	---	---	---	02.311
CASED OPENING	Finish new opening with jambs and 2 sides of door casing over drywall						
	Up to 6'-0" wide finished opening	MIN	---	---	---	---	02.312
	Each additional LF opening more than 6'-0" LF <b>ADD</b>	LF	---	---	---	---	02.313
HARDWOOD FLOORING	Install hardwood flooring where wall was removed, sanded and finished, no tothing in						
	Up to 6'-0" wide finished opening	MIN	---	---	---	---	02.314
	Each additional LF opening more than 6'-0" LF <b>ADD</b>	LF	---	---	---	---	02.315
	Install toothed in hardwood flooring where wall was removed, add to above hardwood flooring costs  <b>ADD</b>	EA	---	---	---	---	02.316
	EA = Each toothed in joint@2 1/4 in width						
VINYL FLOORING	Install vinyl tile where wall was removed, laid in adhesive						
	Up to 6'-0" wide finished opening	MIN	---	---	---	---	02.318
	Each additional LF opening more than 6'-0" LF <b>ADD</b>	LF	---	---	---	---	02.319

## 2. REMOVE BEARING WALL AND MAKE FLUSH OPENING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REMOVE BEARING WALL AND MAKE FLUSH OPENING	Break through and remove load-bearing interior wall making flush ceiling and walls <ul style="list-style-type: none"> <li>■ Erect dust protection wall enclosing work area</li> <li>■ Remove base and ceiling mouldings, clean and store for re-use</li> <li>■ Shore ceiling each side of new opening before breaking through</li> <li>■ Break through existing studs and drywall or plaster wall covering from wall-to-wall and flush with ceiling and remove debris to outside</li> <li>■ Cut joists above new opening and head off with dimension lumber, laminated veneer lumber or W8 x 17 steel beam over new opening flush with bottom of joists above, supported by jacks in each sidewall</li> <li>■ Patch areas on walls and ceiling with 1/2" gypsum drywall where wall was removed, taped, finished and sanded</li> <li>■ Close in floor with plywood where wall was removed, ready for finished flooring</li> <li>■ Install stored base and ceiling mouldings on new work as required</li> </ul> Up to 6'-0" LF wide finished opening	MIN	---	---	---	---	02.320
	Each additional LF opening more than 6'-0" LF <b>ADD</b>	LF	---	---	---	---	02.321
HARDWOOD FLOORING	Install hardwood flooring where wall was removed, sanded and finished, no tothing in  Up to 6'-0" LF wide flush opening	MIN	---	---	---	---	02.325
	Each additional LF opening more than 6'-0" LF <b>ADD</b>	LF	---	---	---	---	02.326
	Install toothed in hardwood flooring where wall was removed, add to above hardwood flooring costs <b>ADD</b>  EA = Each toothed in joint@2 1/4 in width	EA	---	---	---	---	02.316
VINYL FLOORING	Install vinyl tile where wall was removed, laid in adhesive  Up to 6'-0" LF wide flush opening	MIN	---	---	---	---	02.328
	Each additional LF opening more than 6'-0" LF <b>ADD</b>	LF	---	---	---	---	02.329

## 2. REMOVE BEARING WALL AND MAKE FINISHED OPENING

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.	
		MATLS	LABOR	TOTAL			
REMOVE WALL AND MAKE FINISHED OPENING	Break through and remove load-bearing interior wall leaving existing wall on each side of opening and as much as 24 inches below ceiling						
	<ul style="list-style-type: none"> <li>■ Erect dust protection wall enclosing work area</li> <li>■ Remove base and ceiling mouldings, clean and store for re-use</li> <li>■ Shore ceiling each side of existing wall opening before breaking through</li> <li>■ Break through existing studs and wall covering for desired opening size and remove debris to outside</li> <li>■ Install dimension lumber, laminated veneer lumber or W8 x 17 steel beam over new opening supported by jacks each side</li> <li>■ Finish off header and sides with 1/2" drywall, taped, finished and sanded</li> <li>■ Close in floor with plywood where wall was removed, ready for finished flooring</li> <li>■ Install stored base and ceiling mouldings on new work as required</li> </ul>						
	Up to 6'-0" LF wide finished opening	MIN	---	---	---	---	02.330
	Each additional LF opening more than 6'-0" LF <b>ADD</b>	LF	---	---	---	---	02.331
CASED OPENING	Finish new opening with jambs and 2 sides of door casing over drywall						
	Up to 6'-0" LF wide finished opening	MIN	---	---	---	---	02.312
	Each additional LF opening more than 6'-0" LF <b>ADD</b>	LF	---	---	---	---	02.313
HARDWOOD FLOORING	Install hardwood flooring where wall was removed, sanded and finished, no tothing in						
	Up to 6'-0" LF wide finished opening	MIN	---	---	---	---	02.335
	Each additional LF opening more than 6'-0" LF <b>ADD</b>	LF	---	---	---	---	02.336
	Toothed in hardwood flooring where wall was removed						
	<b>ADD</b>	EA	---	---	---	---	02.316
	EA = Each toothed in joint@2 1/4 in width						
VINYL FLOORING	Install vinyl tile where wall was removed, laid in adhesive						
	Up to 6'-0" LF wide finished opening	MIN	---	---	---	---	02.338
	Each additional LF opening more than 6'-0" LF <b>ADD</b>	LF	---	---	---	---	02.339

## 2. INTERIOR WALL TEAROUT

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REMOVE NON-BEARING STUDWALL	Remove metal or wood non-bearing studwall, finished both sides with drywall or plaster						
	Up to 6 LF	MIN	---	---	---	---	02.350
	Additional LF over 6 LF <b>ADD</b>	LF	---	---	---	---	02.351
REMOVE LOAD- BEARING STUDWALL	Remove metal or wood load-bearing studwall, finished both sides with drywall or plaster, and install dimension lumber wood header over, supported by jacks on each side						
	Up to 6 LF	MIN	---	---	---	---	02.352
	Additional LF over 6 LF <b>ADD</b>	LF	---	---	---	---	02.353
	Remove metal or wood load-bearing studwall, finished both sides with drywall or plaster, and install W8 x 17 steel beam or three 1-3/4" x 11-7/8" laminated veneer lumber beam over, supported by jacks on each side						
	Up to 6 LF	MIN	---	---	---	---	02.354
	Additional LF over 6 LF <b>ADD</b>	LF	---	---	---	---	02.355

## 2. INTERIOR WALL COVERING TEAROUT

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.	
			MATLS	LABOR	TOTAL			
REMOVE WALL COVERING	Remove wall covering from studwall							
	Gypsum drywall, up to 30 SF	MIN	---	---	---	---	02.360	
	Additional SF over 30 SF <b>ADD</b>	SF	---	---	---	---	02.361	
	Gypsum lath and plaster, up to 30 SF	MIN	---	---	---	---	02.362	
	Additional SF over 30 SF <b>ADD</b>	SF	---	---	---	---	02.363	
	Metal lath and plaster, up to 30 SF	MIN	---	---	---	---	02.364	
	Additional SF over 30 SF <b>ADD</b>	SF	---	---	---	---	02.365	
	Wood lath and plaster, up to 30 SF	MIN	---	---	---	---	02.366	
	Additional SF over 30 SF <b>ADD</b>	SF	---	---	---	---	02.367	
	Plywood paneling, up to 30 SF	MIN	---	---	---	---	02.368	
	Additional SF over 30 SF <b>ADD</b>	SF	---	---	---	---	02.369	
	Solid wood paneling, up to 30 SF	MIN	---	---	---	---	02.370	
	Additional SF over 30 SF <b>ADD</b>	SF	---	---	---	---	02.371	
	Ceramic tile in thinset, up to 15 SF	MIN	---	---	---	---	02.372	
	Additional SF over 15 SF <b>ADD</b>	SF	---	---	---	---	02.373	
	Ceramic tile in mud, up to 15 SF	MIN	---	---	---	---	02.374	
	Additional SF over 15 SF <b>ADD</b>	SF	---	---	---	---	02.375	
		Remove plaster from masonry wall						
		Up to 30 SF	MIN	---	---	---	---	02.377
		Additional SF over 30 SF <b>ADD</b>	SF	---	---	---	---	02.378

## 2. FLOORING TEAROUT

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
HARDWOOD FLOORING	Remove nailed hardwood flooring, 2-1/4" x 25/32"						
	Up to 10 SF	MIN	---	---	---	---	02.400
	Additional SF over 10 SF <b>ADD</b>	SF	---	---	---	---	02.401
	Remove hardwood flooring in mastic						
	Up to 10 SF	MIN	---	---	---	---	02.402
Additional SF over 10 SF <b>ADD</b>	SF	---	---	---	---	02.403	
BRICK FLOOR	Remove wood flooring and sleepers from concrete slab						
	Up to 50 SF	MIN	---	---	---	---	02.404
	Additional SF over 50 SF <b>ADD</b>	SF	---	---	---	---	02.405
	Remove brick flooring from wood base						
	Up to 10 SF	MIN	---	---	---	---	02.410
Additional SF over 10 SF <b>ADD</b>	SF	---	---	---	---	02.411	
CERAMIC TILE FLOOR	Remove brick flooring from concrete base						
	Up to 10 SF	MIN	---	---	---	---	02.415
	Additional SF over 10 SF <b>ADD</b>	SF	---	---	---	---	02.416
	Remove ceramic tile floor laid in thin set mortar						
	Up to 10 SF	MIN	---	---	---	---	02.420
Additional SF over 10 SF <b>ADD</b>	SF	---	---	---	---	02.421	
SUBFLOOR	Remove ceramic tile floor laid in mud						
	Up to 10 SF	MIN	---	---	---	---	02.422
	Additional SF over 10 SF <b>ADD</b>	SF	---	---	---	---	02.423
	Remove wood board subfloor, 1" x 6" or 1" x 8"						
	Up to 50 SF	MIN	---	---	---	---	02.431
	Additional SF over 50 SF <b>ADD</b>	SF	---	---	---	---	02.432
Remove plywood subfloor, nailed only							
Up to 50 SF	MIN	---	---	---	---	02.433	
Additional SF over 50 SF <b>ADD</b>	SF	---	---	---	---	02.434	
Remove plywood subfloor, nailed and glued							
Up to 50 SF	MIN	---	---	---	---	02.435	
Additional SF over 50 SF <b>ADD</b>	SF	---	---	---	---	02.436	

## 2. CARPETING AND RESILIENT FLOORING TEAROUT

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
RESILIENT FLOORING	Remove resilient tile or sheet goods from floor						
	Up to 50 SF	MIN	---	---	---	---	02.440
	Additional SF over 50 SF <b>ADD</b>	SF	---	---	---	---	02.441
CARPET	Remove wall to wall carpeting with tack strip, padding included, or glued down						
	Up to 100 SF	MIN	---	---	---	---	02.442
	Additional SF over 100 SF <b>ADD</b>	SF	---	---	---	---	02.443
	Remove stair carpet with tack strip	EA	---	---	---	---	02.444
	EA = Each riser						
UNDERLAY- MENT	Remove nailed or stapled underlayment						
	Up to 50 SF	MIN	---	---	---	---	02.445
	Additional SF over 50 SF <b>ADD</b>	SF	---	---	---	---	02.446
	Remove nailed or stapled and glued underlayment						
	Up to 50 SF	MIN	---	---	---	---	02.447
	Additional SF over 50 SF <b>ADD</b>	SF	---	---	---	---	02.448
SHOE MOULDING	Install 1/2" x 3/4" shoe moulding after carpeting removed						
	Hardwood	LF	---	---	---	---	02.449
	Pine	LF	---	---	---	---	02.450

## 2. DOOR AND WINDOW REMOVAL

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
ENTRANCE DOOR	Remove entrance door, frame, interior and exterior trim and threshold from wall, 3'-0" x 6'-8"	EA	---	---	---	---	02.500
	Remove wood or aluminum gliding glass door unit, including frame, interior and exterior trim, one fixed panel and one operating panel and screen	EA	---	---	---	---	02.501
GARAGE DOOR	Remove overhead garage door						
	9' x 7'	EA	---	---	---	---	02.502
	16' x 7'	EA	---	---	---	---	02.503
INTERIOR DOOR	Remove door, frame and trim from interior wall						
	Single door	EA	---	---	---	---	02.510
	Double door	EA	---	---	---	---	02.511
WINDOW	Remove wood or aluminum window from frame wall, including trim						
	Up to 15 SF window	MIN	---	---	---	---	02.520
	Additional window area over 15 SF <b>ADD</b>	SF	---	---	---	---	02.521
	Remove steel casement window from frame wall, including trim						
	Up to 15 SF window	MIN	---	---	---	---	02.522
	Additional window area over 15 SF <b>ADD</b>	SF	---	---	---	---	02.523
	Remove wood or aluminum window from masonry wall, including trim						
	Up to 15 SF window	MIN	---	---	---	---	02.524
	Additional window area over 15 SF <b>ADD</b>	SF	---	---	---	---	02.525
	Remove steel casement window from masonry wall, including trim						
Up to 15 SF window	MIN	---	---	---	---	02.526	
Additional window area over 15 SF <b>ADD</b>	SF	---	---	---	---	02.527	
SILICON CAULKED WINDOW	Remove window caulked with silicon						
	<b>ADD</b>	EA	---	---	---	---	02.528

## 2. CEILING AND INSULATION REMOVAL

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.	
			MATLS	LABOR	TOTAL			
CEILING COVERING	Remove ceiling covering from ceiling joists							
	Plaster and gypsum lath, up to 20 SF	MIN	---	---	---	---	02.460	
	Additional SF over 20 SF <b>ADD</b>	SF	---	---	---	---	02.461	
	Plaster and wood lath, up to 20 SF	MIN	---	---	---	---	02.462	
	Additional SF over 20 SF <b>ADD</b>	SF	---	---	---	---	02.463	
	Plaster and metal lath, up to 20 SF	MIN	---	---	---	---	02.464	
	Additional SF over 20 SF <b>ADD</b>	SF	---	---	---	---	02.465	
	Gypsum drywall, up to 20 SF	MIN	---	---	---	---	02.466	
	Additional SF over 20 SF <b>ADD</b>	SF	---	---	---	---	02.467	
	Remove wood tongue and groove ceiling							
	Up to 20 SF	MIN	---	---	---	---	02.468	
	Additional SF over 20 SF <b>ADD</b>	SF	---	---	---	---	02.469	
	CEILING TILE	12" x 12" composition tile						
		Glued	SF	---	---	---	---	02.470
Stapled		SF	---	---	---	---	02.471	
Remove 24" x 24" or 24" x 48" drop ceiling tile from grid system		EA	---	---	---	---	02.472	
EA = Each tile								
Remove complete metal grid system, including wall angles and ceiling tiles								
Up to 30 SF	MIN	---	---	---	---	02.475		
Additional SF over 30 SF <b>ADD</b>	SF	---	---	---	---	02.476		
INSULATION	Remove insulation from open wall, ceiling, rafter or joists							
	Loose insulation, up to 50 SF	MIN	---	---	---	---	02.480	
	Additional SF over 50 SF <b>ADD</b>	SF	---	---	---	---	02.481	
	Batt insulation, up to 50 SF	MIN	---	---	---	---	02.482	
	Additional SF over 50 SF <b>ADD</b>	SF	---	---	---	---	02.483	

## 2. CABINET AND TRIM TEAROUT

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
COUNTERTOP	Remove countertop from base cabinet, not including disconnects  Up to 4 LF	MIN	---	---	---	---	02.600
	Additional LF over 4 LF <b>ADD</b>	LF	---	---	---	---	02.601
KITCHEN CABINETS	Remove wood or steel kitchen cabinets, base, wall or island  EA = Each cabinet	EA	---	---	---	---	02.610
BASE MOULDING	Remove base and shoe moulding to scrap  Up to 20 LF	MIN	---	---	---	---	02.620
	Additional LF over 20 LF <b>ADD</b>	LF	---	---	---	---	02.621
	Remove base and shoe moulding, clean and store for re-use  Up to 20 LF	MIN	---	---	---	---	02.622
	Additional LF over 20 LF <b>ADD</b>	LF	---	---	---	---	02.623
CHAIR RAIL	Remove chair rail or ceiling moulding to scrap  One or two piece, up to 12 LF	MIN	---	---	---	---	02.625
	Additional LF over 12 LF <b>ADD</b>	LF	---	---	---	---	02.626
	Three piece, up to 12 LF	MIN	---	---	---	---	02.627
	Additional LF over 12 LF <b>ADD</b>	LF	---	---	---	---	02.628
	Remove chair rail or ceiling moulding, clean and store for re-use  One or two piece, up to 12 LF	MIN	---	---	---	---	02.629
	Additional LF over 12 LF <b>ADD</b>	LF	---	---	---	---	02.630
	Three piece, up to 12 LF	MIN	---	---	---	---	02.631
	Additional LF over 12 LF <b>ADD</b>	LF	---	---	---	---	02.632
CASING	Remove casing to scrap  Up to 20 LF	MIN	---	---	---	---	02.635
	Additional LF over 20 LF <b>ADD</b>	LF	---	---	---	---	02.636
	Remove casing, clean and store for re- use  Up to 20 LF	MIN	---	---	---	---	02.637
	Additional LF over 20 LF <b>ADD</b>	LF	---	---	---	---	02.638

## 2. STAIRS TEAROUT

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
STAIRS	Remove set of stairs to scrap, no patching						
	Folding stairway	EA	---	---	---	---	02.650
	Basement stairs	EA	---	---	---	---	02.651
	Attic stairs	EA	---	---	---	---	02.652
	Remove set of main stairs to scrap, including newels, rails and balusters, no patching	EA	---	---	---	---	02.655
	Remove individual handrail or stair components to scrap						
	Baluster	EA	---	---	---	---	02.656
	Newel post	EA	---	---	---	---	02.657
	Trim bracket	EA	---	---	---	---	02.658
	Rosette	EA	---	---	---	---	02.659
	Tread	EA	---	---	---	---	02.660
	Riser	EA	---	---	---	---	02.661
	Return nosing	EA	---	---	---	---	02.662
	Landing nosing	EA	---	---	---	---	02.663
	HANDRAIL	Remove complete handrail to scrap, including newels and balusters					
Up to 4 LF		MIN	---	---	---	---	02.670
Additional LF over 4 LF		LF	---	---	---	---	02.671
Remove handrail section to scrap							
Up to 4 LF		MIN	---	---	---	---	02.672
Additional LF over 4 LF		LF	---	---	---	---	02.673
Remove handrail section, clean and store for re-use							
Up to 4 LF		MIN	---	---	---	---	02.674
Additional LF over 4 LF		LF	---	---	---	---	02.675
Remove individual handrail or stair components, clean and store for re-use							
Volute, turnout, easing or gooseneck		EA	---	---	---	---	02.676
Baluster		EA	---	---	---	---	02.677
Newel post		EA	---	---	---	---	02.678
Trim bracket		EA	---	---	---	---	02.679
Rosette		EA	---	---	---	---	02.680

### 3. AREAWALLS AND AREAWAYS

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.	
		MATLS	LABOR	TOTAL			
WINDOW AREAWALL	Install metal retaining wall around basement window <ul style="list-style-type: none"> <li>■ Excavate below window and install 24" x 37" galvanized corrugated wall around window attached to foundation wall</li> <li>■ Place 6" of sand with gravel or loose brick over inside galvanized corrugated wall</li> <li>■ Backfill outside the areawall with grade of a minimum of 1 inch per foot away from the house for a distance of 5 feet</li> </ul>	EA	---	---	---	---	03.000
BASEMENT AREAWAY	Remove obstruction from basement areaway drain						
	No difficulty	EA	---	---	---	---	03.001
	Some difficulty	EA	---	---	---	---	03.002
	Difficult	EA	---	---	---	---	03.003
	Replace drain grill/strainer 3/8" round	EA	---	---	---	---	03.004
	Repair parging on areaway masonry walls						
	Up to 6 SF	MIN	---	---	---	---	03.005
	Additional SF over 6 SF <b>ADD</b>	SF	---	---	---	---	03.006
	Repair and patch concrete steps in areaway						
	No difficulty	EA	---	---	---	---	03.010
	Some difficulty	EA	---	---	---	---	03.011
	Difficult	EA	---	---	---	---	03.012
EA = Each step							

### 3. SURFACE WATER CONTROL

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.	
		MATLS	LABOR	TOTAL			
SURFACE WATER CONTROL	Grade around house foundation wall to create positive grade away from foundation and provide adequate drainage <ul style="list-style-type: none"> <li>■ 40 lb. bag/1.5 cu.ft., @ \$1.00</li> <li>■ Fill in the area around the foundation wall with topsoil so that grade is 1 inch per foot for a distance of 6 feet away from the wall</li> <li>■ Compact the topsoil and seed the ground</li> </ul>						
	Up to 36 SF graded	MIN	---	---	---	---	03.100
	Additional grading over 36 SF <b>ADD</b>	SF	---	---	---	---	03.101
SOD	Place sod over topsoil instead of seeding, sod @ \$2.50 SF, picked up						
	Up to 36 SF graded	MIN	---	---	---	---	03.105
	Additional sod over 10 LF <b>ADD</b>	SF	---	---	---	---	03.106
SPLASH BLOCK	Install splash block at base of downspout to provide drainage away from house and control erosion	EA	---	---	---	---	03.110
EXTEND DOWNSPOUT	Extend downspout 4 to 6 feet away from foundation to provide drainage and control erosion	EA	---	---	---	---	03.111
	Install 4" plastic corrugated drain tile to downspout, bury in ground and extend to daylight or drywell to provide good drainage and control erosion, excess fill to remain on site						
	Up to 10 LF of buried pipe	MIN	---	---	---	---	03.112
	Additional buried pipe over 10 LF <b>ADD</b>	LF	---	---	---	---	03.113
YARD DRAINAGE	Install 4" drain tile in gravel buried under grade to provide drainage in yard and extend to daylight or drywell, excess fill to remain on site						
	Up to 10 LF of buried pipe	MIN	---	---	---	---	03.115
	Additional buried pipe over 10 LF <b>ADD</b>	LF	---	---	---	---	03.116
DRYWELL	Construct drywell to receive drainage from sump pump or drain tile in yard <ul style="list-style-type: none"> <li>■ Dig out 48" x 48" hole a minimum of 60" below grade</li> <li>■ Line hole with poly filter cloth</li> <li>■ Fill hole with 1-1/2" aggregate</li> <li>■ Cover with vapor barrier</li> <li>■ Backfill</li> <li>■ Excess fill to remain on site</li> </ul> <p>EA = Total job</p>	EA	---	---	---	---	03.120

### 3. FRENCH DRAIN

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
FRENCH DRAIN	Install french drain in existing basement floor						
	<ul style="list-style-type: none"> <li>■ Break basement concrete floor along inside of footings</li> <li>■ Install polyethylene sump at some point along broken concrete area</li> <li>■ 4" plastic pipe along inside of footings with 1/8" slope emptying into sump</li> <li>■ Backfill with stone</li> <li>■ Patch concrete floor to match existing floor</li> </ul>						
	Up to 30 LF of plastic pipe	MIN	---	---	---	---	03.150
	Additional plastic pipe over 30 LF <b>ADD</b>	LF	---	---	---	---	03.151

### 3. SUMP PUMP

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
SUMP PUMP	Install 1/3 HP sump pump in existing sump in basement floor and discharge water from sump to storm sewer, daylight or drywell	EA	---	---	---	---	03.200
DISCHARGE WATER TO STORM SEWER	Discharge water from sump to storm sewer connection within basement  Up to 15 LF	MIN	---	---	---	---	03.205
	Additional LF over 15 LF <b>ADD</b>	LF	---	---	---	---	03.206
DISCHARGE DRAINAGE TO DAYLIGHT OR DRYWELL	Discharge water from sump to daylight through 1-1/2" pipe through wall and underground  <ul style="list-style-type: none"> <li>■ Connect pipe to sump pump</li> <li>■ Drill hole through basement wall above grade and run pipe up the wall, through the hole in the wall and down the outside wall into the ground</li> <li>■ Dig trench in ground and run pipe in trench with a minimum slope of 1/8" per lineal foot down to daylight or drywell</li> <li>■ Backfill trench</li> </ul> Up to 10 LF of buried pipe	MIN	---	---	---	---	03.207
	Additional buried pipe over 15 LF <b>ADD</b>	LF	---	---	---	---	03.208
	LF = Length of trench						
DRYWELL	Construct drywell to receive drainage from sump <ul style="list-style-type: none"> <li>■ Dig out 48" x 48" hole, a minimum of 60" below the level of the pipe from the sump</li> <li>■ Line hole with poly filter cloth</li> <li>■ Fill hole with 1-1/2" aggregate</li> <li>■ Cover with vapor barrier</li> <li>■ Backfill</li> </ul> EA = Total job	EA	210.00	370.00	580.00	1,095.00	

### 3. FLOWER BED BORDER

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.	
			MATLS	LABOR	TOTAL			
FLOWER BED BORDER	Install border for flower bed with treated wood landscaping ties, all excess fill to remain on site							
	Two 4" x 4" ties up to 16 LF long	MIN	---	---	---	---	03.250	
	Additional length of ties over 16 LF <b>ADD</b>	LF	---	---	---	---	03.251	
	Three 4" x 4" ties up to 16 LF long	MIN	---	---	---	---	03.252	
	Additional length of ties over 16 LF <b>ADD</b>	LF	---	---	---	---	03.253	
	Two 6" x 6" ties up to 16 LF long	MIN	---	---	---	---	03.254	
	Additional length of ties over 16 LF <b>ADD</b>	LF	---	---	---	---	03.255	
	Three 6" x 6" ties up to 16 LF long	MIN	---	---	---	---	03.256	
	Additional length of ties over 16 LF <b>ADD</b>	LF	---	---	---	---	03.257	
	LF = Perimeter of border							

### 3. TIEWALL (WOOD RETAINING WALL)

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
TIEWALL	Build wood retaining wall (tiewall) with 6" x 6" pressure treated timbers <ul style="list-style-type: none"> <li>■ Remove sod for 18" behind wall</li> <li>■ Excavate top 12" or more if necessary below grade so that face of tiewall will be against undisturbed earth</li> <li>■ Build wall with tiebacks every 3<sup>rd</sup> course, 6'-0" OC fastened to deadman timbers located the same distance behind wall as height of wall</li> <li>■ Place minimum of 12" crushed stone behind wall to within 6" of top of grade</li> <li>■ Place rigid perforated 4" plastic pipe behind wall at bottom draining to one or two outlets at end(s) of wall</li> <li>■ Backfill behind top of wall, seed and straw</li> </ul>						
	5 ties high up to 15 LF long	MIN	---	---	---	---	03.300
	Additional length of ties over 15 LF <b>ADD</b>	LF	---	---	---	---	03.301
	8 ties high up to 15 LF long	MIN	---	---	---	---	03.302
	Additional length of ties over 15 LF <b>ADD</b>	LF	---	---	---	---	03.303
	11 ties high up to 15 LF long	MIN	---	---	---	---	03.304
	Additional length of ties over 15 LF <b>ADD</b>	LF	---	---	---	---	03.305

## 4. CONCRETE PAD

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
CONCRETE PAD	Small 4"-5" thick concrete pad on grade						
	<ul style="list-style-type: none"> <li>■ Dig out and level ground</li> <li>■ Spread vapor barrier over ground</li> <li>■ Build forms with 2" x 4" or 2" x 6" lumber</li> <li>■ Mix 60 lb bags of concrete ready-mix with water</li> <li>■ Place 6 x 6 #10 woven wire mesh and pour concrete, floated and troweled</li> <li>■ Remove forms and shape concrete edges</li> </ul>						
	2' x 4' pad	EA	---	---	---	---	04.000
	3' x 4' pad	EA	---	---	---	---	04.001
	4' x 4' pad	EA	---	---	---	---	04.002

### 4. CONCRETE SCREED COAT IN CRAWL SPACE

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
<b>CONCRETE SCREED COAT</b>	Concrete screed coat in existing crawl space with minimum 18" of headroom <ul style="list-style-type: none"> <li>■ Level ground within existing foundation walls, but no digging out</li> <li>■ Vapor barrier over 2" gravel fill</li> <li>■ Pour 2 inch thick 3000 psi transit-mix concrete, floated and troweled</li> <li>■ Pump concrete up to 150 feet and pour 2 inch thick 3000 psi screed coat, including transit mix truck waiting time and labor on the hose</li> </ul>						
	Up to 100 SF	MIN	---	---	---	---	04.011
	Additional area over 100 SF ADD	SF	---	---	---	---	04.012

## 4. REPLACE CONCRETE SIDEWALK

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE SIDEWALK SLAB	Replace damaged sidewalk slab <ul style="list-style-type: none"> <li>■ Break up and remove damaged sidewalk with electric breaker hammer or sledge hammer</li> <li>■ Remove grass and dirt next to sidewalk slab</li> <li>■ Set 2" x 4" forms on each side of sidewalk to appropriate finished height</li> <li>■ Place vapor barrier and 6" x 6" No. 10 wire mesh reinforcement in formed area</li> <li>■ Mix bagged ready-to-use concrete mix and place into formed area</li> <li>■ Level concrete with 2 x screed board and float the surface</li> <li>■ As concrete sets, smooth surface with steel trowel, make control joints with groover and edge perimeter to match existing sidewalk</li> <li>■ Stiff broom to match existing texture</li> <li>■ Remove forms and rake site clean</li> <li>■ Damp spray concrete regularly and keep covered for one week to ensure a durable sidewalk</li> </ul>						
	Up to 10 SF	MIN	---	---	---	---	04.100
	Additional area over 10 SF <b>ADD</b>	SF	---	---	---	---	04.101

## 4. ASPHALT OR BLACKTOP DRIVEWAY

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
ASPHALT REPAIR	Repair crack in asphalt or blacktop surface with asphalt crack filler in a tube						
	Up to 10 LF	MIN	---	---	---	---	04.200
	Over 10 LF <b>ADD</b>	LF	---	---	---	---	04.201
	Repair hole in asphalt or blacktop surface with cold-mix asphalt, 3" deep						
	Up to 2 SF	MIN	---	---	---	---	04.202
	Over 2 SF <b>ADD</b>	SF	---	---	---	---	04.203
SEAL BLACKTOP DRIVEWAY	<ul style="list-style-type: none"> <li>■ Clean thoroughly the surface of driveway</li> <li>■ Apply and seal blacktop driveway using a coal tar sealer and driveway sealer brush, one coat</li> </ul>						
	Up to 300 SF	MIN	---	---	---	---	04.205
	Additional area over 300 SF <b>ADD</b>	SF	---	---	---	---	04.206
CLEAN BLACKTOP DRIVEWAY	Clean blacktop driveway with household cleaner, broom and water hose						
	Up to 300 SF	MIN	---	---	---	---	04.210
	Additional area over 300 SF <b>ADD</b>	SF	---	---	---	---	04.211

## 4. CONCRETE WALL AND FLOOR PATCHING

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
<b>PATCHING SMALL CRACK</b>  Patch a small crack (less than 1/8" wide) in concrete floor or wall <ul style="list-style-type: none"> <li>■ Remove debris from crack, clean out with air hose or vacuum cleaner</li> <li>■ Fill crack with polyurethane caulking</li> <li>■ Smooth caulking</li> </ul>	Crack up to 8 LF long	MIN	---	---	---	04.300
	Additional length of crack over 8 LF <b>ADD</b>	LF	---	---	---	04.301
<b>PATCHING LARGE CRACK</b>  Patch a large crack (over 1/8" wide) in concrete floor or wall <ul style="list-style-type: none"> <li>■ Deepen crack to at least 1/2 inch and undercut sides</li> <li>■ Remove debris from crack, clean out with air hose or vacuum cleaner</li> <li>■ Fill the crack with ready-mix vinyl concrete patch and smooth the surface</li> <li>■ Use stiff broom prior to concrete setting up to match surrounding concrete texture and keep damp for at least one day</li> </ul>	Crack up to 4 LF long	MIN	---	---	---	04.302
	Additional length of crack over 4 LF <b>ADD</b>	LF	---	---	---	04.303
<b>PATCHING HOLE IN CONCRETE FLOOR</b>  Patch hole in concrete with sand mix concrete and bonding agent <ul style="list-style-type: none"> <li>■ Remove debris from hole and damaged concrete surrounding hole to a depth of at least 2 inches</li> <li>■ Clean out hole with air hose or vacuum cleaner</li> <li>■ Mix small amount of sand mix with liquid acrylic fortifier and brush on to the sides and bottom of the hole</li> <li>■ Mix sand mix with acrylic fortifier and fill hole</li> <li>■ Level the patched hole with wood or magnesium float</li> <li>■ Prior to patch setting up, smooth with steel trowel or stiff brush to match area surrounding patch</li> </ul>	3" square x 2" deep	EA	---	---	---	04.305
	6" square x 2" deep	EA	---	---	---	04.306
	12" square x 2" deep	EA	---	---	---	04.307
	EA = Each hole					

## 4. CONCRETE STEP PATCHING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
PATCH CONCRETE TREAD	Patch crumbling concrete tread edge up to 48 inches long <ul style="list-style-type: none"> <li>■ Clean out damaged area and undercut sides and edges</li> <li>■ Drill holes in damaged area and drive cut nails in holes to secure concrete patch</li> <li>■ Place 1 x form board against damaged step riser and brace securely</li> <li>■ Apply brush coat of liquid acrylic fortifier to all surfaces accepting patch</li> <li>■ Mix fiber-reinforced concrete with liquid acrylic fortifier and place in formed area</li> <li>■ Smooth top surface with trowel to appropriate height and edge new patch to match existing</li> <li>■ Remove form board and finish area of riser to match existing</li> <li>■ Keep patched area damp for minimum of 24 hours</li> </ul> EA = Each patch up to 48" long	EA	---	---	---	---	04.320

## 4. STABILIZE SETTLED EXTERIOR SLAB

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.	
			MATLS	LABOR	TOTAL			
STABILIZE SETTLED EXTERIOR SLAB AGAINST CONCRETE WALL	<p>To prevent additional settlement of an exterior slab next to concrete house foundation wall, install rebar into slab</p> <ul style="list-style-type: none"> <li>■ Inside basement, drill through concrete house foundation wall into slab 12" OC for insertion of 1/2 inch diameter and 24" long steel bars</li> <li>■ Hammer and grout #4 (1/2") steel bars through holes into concrete slab countersunk 1/2"</li> <li>■ Patch wall</li> </ul>	Up to 3 drilled holes	MIN	---	---	---	04.400	
		Additional drilled holes more than 3 <b>ADD</b>	EA	---	---	---	---	04.401
STABILIZE SETTLED EXTERIOR SLAB AGAINST BLOCK WALL	<p>To prevent additional settlement of an exterior slab next to a concrete block foundation wall, install rebar into slab</p> <ul style="list-style-type: none"> <li>■ Break through and open up interior of foundation wall above where exterior slab butts against it on the outside</li> <li>■ Drill through block wall into exterior slab 12" OC and hammer #4 (1/2") x 24" steel bar through hole into concrete slab</li> <li>■ Place steel wood in block cell cavity below drilled hole and steel bar</li> <li>■ Grout below and around steel bar within block cell cavity and smooth grout even with interior block wall surface</li> </ul>	Up to 3 drilled holes	MIN	---	---	---	04.405	
		Additional drilled holes more than 3 <b>ADD</b>	EA	---	---	---	---	04.406

## 4. MUDJACKING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
MUDJACKING	Raise existing settled concrete walkway or slab by filling void under with pumped concrete grout <ul style="list-style-type: none"> <li>■ Drill holes in concrete slab</li> <li>■ Pump concrete grout under pressure through holes, filling voids under slab and compacting the earth below</li> <li>■ When slab is raised as much as 8 inches to original level, patch drilled holes with mortar mix</li> </ul>						
	Up to 100 SF	MIN	---	---	---	---	04.420
	Additional area over 100 SF <b>ADD</b>	SF	---	---	---	---	04.421

## 5. BRICK REPOINTING AND CLEANING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPOINT BRICKS	Repair mortar joints in brick wall <ul style="list-style-type: none"> <li>■ Cut out damaged mortar joints to a depth of at least 1/2"</li> <li>■ Clean joints with wire brush and dampen</li> <li>■ Pack ready-mix mortar in joints with trowel and finish joints with trowel to match existing mortar joints</li> <li>■ Remove excess mortar</li> <li>■ Keep mortar damp for several days after finishing</li> <li>■ All horizontal and vertical mortar joints</li> </ul>						
	Soft mortar joints, Up to 10 SF	MIN	---	---	---	---	05.000
	Additional mortar joints over 10 SF <b>ADD</b>	SF	---	---	---	---	05.001
	Hard mortar joints, up to 10 SF	MIN	---	---	---	---	05.005
	Additional mortar joints over 10 SF <b>ADD</b>	SF	---	---	---	---	05.006
	CLEAN BRICKS	Clean and wash smooth face brick with muriatic acid and water					
	Clean and wash up to 25 SF	MIN	---	---	---	---	05.010
	Additional SF over 25 SF <b>ADD</b>	SF	---	---	---	---	05.011
	Clean and wash rough textured face brick with muriatic acid and water						
	Clean and wash up to 25 SF	MIN	---	---	---	---	05.012
	Additional SF over 25 SF <b>ADD</b>	SF	---	---	---	---	05.013

## 5. REPLACE DAMAGED BRICK

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE DAMAGED BRICK	Remove and replace damaged brick <ul style="list-style-type: none"> <li>■ Rake mortar out of joints of damaged brick</li> <li>■ Remove damaged brick with chisel and clean the space</li> <li>■ Dampen the entire surface of the space and lay a thick coat of mortar on all surfaces</li> <li>■ Slide the replacement brick into the slot approximately 1/2" above the top of the brick below</li> <li>■ Tap it into the slot flush with the surrounding bricks</li> <li>■ Apply additional mortar as required and finish joints with trowel</li> </ul>						
	Replace 1 brick	MIN	---	---	---	---	05.020
	Replace additional bricks	EA	---	---	---	---	05.021
	EA = Each brick						

## 5. WALKWAY AND PATIO REPAIRS AND REPLACEMENT

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
REPLACE FLAGSTONE	Replace damaged 2" thick flagstone in walkway or patio on ground in sand with stone dust joints					
	Up to 3 SF	MIN	---	---	---	05.100
	Additional SF over 3 SF <b>ADD</b>	SF	---	---	---	05.101
	Replace damaged 1-1/2" thick flagstone in walkway or patio set in concrete bed with concrete joints					
	Up to 3 SF	MIN	---	---	---	05.102
	Additional SF over 3 SF <b>ADD</b>	SF	---	---	---	05.103
REPLACE BRICK	Replace damaged brick in walkway or patio on ground in sand					
	Up to 10 bricks	MIN	---	---	---	05.110
	Additional bricks over 10 bricks <b>ADD</b>	SF	---	---	---	05.111
	Replace damaged brick in walkway or patio set in concrete bed with concrete joints					
Up to 10 bricks	MIN	---	---	---	05.112	
Additional bricks over 10 bricks <b>ADD</b>	SF	---	---	---	05.113	
RESET FLAGSTONE	Remove and reset existing 2" thick flagstone in walkway or patio on ground in sand					
	Up to 3 SF	MIN	---	---	---	05.120
Additional SF over 3 SF <b>ADD</b>	SF	---	---	---	05.121	
RESET BRICK	Remove and reset existing brick in walkway or patio on ground in sand					
	Up to 10 bricks	MIN	---	---	---	05.125
Additional brick over 10 bricks <b>ADD</b>	EA	---	---	---	05.126	

## 5. STUCCO REPAIRS

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
<b>PATCH CRACKED STUCCO</b>  Remove damaged stucco and patch with stucco patching compound <ul style="list-style-type: none"> <li>■ Undercut edges of crack</li> <li>■ Brush away debris in crack and dampen</li> <li>■ Fill crack with stucco compound, packing it tightly</li> <li>■ Finish surface texture to match surrounding stucco</li> </ul>	Up to 5 LF of cracks MIN	---	---	---	---	05.200
	Additional length over 5 LF <b>ADD</b> LF	---	---	---	---	05.201
	<b>PATCH SMALL HOLE IN STUCCO</b>  Remove damaged stucco and patch hole with stucco patching compound <ul style="list-style-type: none"> <li>■ Undercut edges of hole</li> <li>■ Brush away debris in hole</li> <li>■ Staple in a new piece of wire mesh if required</li> <li>■ Dampen hole area</li> <li>■ Fill hole with stucco compound, packing it tightly</li> <li>■ Finish surface texture to match surrounding stucco</li> </ul> EA = Each hole	EA	---	---	---	---
<b>REPAIR LARGE HOLE IN STUCCO WITH THIN-COAT</b>  Remove damaged stucco from large (over 6" wide) hole and patch <ul style="list-style-type: none"> <li>■ Undercut edges of hole</li> <li>■ Brush away debris in hole</li> <li>■ Staple in a new piece of wire mesh</li> <li>■ Fill hole with fiberglass-reinforced cement plaster mixed with sand and water</li> <li>■ Apply synthetic stucco finish after minimum of 24 hours to match surrounding stucco texture</li> </ul> EA = Each hole	EA	---	---	---	---	05.206
<b>REPAIR LARGE HOLE IN STUCCO WITH THREE COATS</b>  Remove damaged stucco from large (over 6" wide) hole and patch with three coats stucco <ul style="list-style-type: none"> <li>■ Undercut edges of hole</li> <li>■ Brush away debris in hole</li> <li>■ Staple in a new piece of wire mesh</li> <li>■ Apply coat of portland cement mixed with sand, lime and water to within 1/4" of surface</li> <li>■ Apply second coat of stucco to within 1/8" of surface</li> <li>■ Apply third coat flush with surface</li> <li>■ Smooth and texture it to match the surrounding area</li> </ul> EA = Each hole	EA	6.50	60.00	66.50	143.13	

## 5. LOW MASONRY RETAINING WALL

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
WALL FOOTING	Build new continuous concrete footing for low retaining wall <ul style="list-style-type: none"> <li>■ Remove sod from area above new footing excavation</li> <li>■ Excavate so that footing will be poured against undisturbed face of the footing trench</li> <li>■ Pour concrete footing with three #5 (5/8") steel bars in footing and #5 (5/8") steel bars 24" OC running vertically from footing to near top of new wall</li> <li>■ Excess fill to remain on site</li> </ul>					
	<b>Bottom of footing 24" below grade</b> 12" H x 24" W footing up to 10 LF	MIN	---	---	---	05.300
	Additional LF more than 10 LF <b>ADD</b>	LF	---	---	---	05.301
	12" H x 36" W footing up to 10 LF	MIN	---	---	---	05.302
	Additional LF more than 10 LF <b>ADD</b>	LF	---	---	---	05.303
	<b>Bottom of footing 36" below grade</b> 12" H x 24" W footing up to 10 LF	MIN	---	---	---	05.304
	Additional LF more than 10 LF <b>ADD</b>	LF	---	---	---	05.305
	12" H x 36" W footing up to 10 LF	MIN	---	---	---	05.306
	Additional LF more than 10 LF <b>ADD</b>	LF	---	---	---	05.307
	<b>Bottom of footing 48" below grade</b> 12" H x 24" W footing up to 10 LF	MIN	---	---	---	05.308
	Additional LF more than 10 LF <b>ADD</b>	LF	---	---	---	05.309
	12" H x 36" W footing up to 10 LF	MIN	---	---	---	05.310
	Additional LF more than 10 LF <b>ADD</b>	LF	---	---	---	05.311
LOW RETAINING WALL	Build new low masonry retaining wall <ul style="list-style-type: none"> <li>■ Build new 8" x 8" x 16" block retaining wall on existing concrete footing with grouted rebar</li> <li>■ Install weepholes in wall 6'-0" OC and grout in 4" plastic pipe</li> <li>■ Install 4" perforated drain pipe along top of footing sloping to out-lets at ends of wall or to weepholes</li> <li>■ Line excavation with filter cloth or geotextile fabric</li> <li>■ Cover footing behind wall with stone to within 6" of top of wall</li> <li>■ Cover crushed stone with filter cloth or geotextile fabric</li> </ul>					
	Up to 27 SF of wall	MIN	---	---	---	05.320
	Additional SF wall over 27 SF <b>ADD</b>	SF	---	---	---	05.321
	SF = One face of wall					

## 5. WEEPHOLE IN EXISTING RETAINING WALL

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
<b>CUT WEEPHOLE IN RETAINING WALL</b>  Cut weephole in existing solid block or brick and block retaining wall <ul style="list-style-type: none"> <li>■ Remove sod and dig 12"-30" square hole behind wall down to level of bottom of new weephole</li> <li>■ Line excavation with filtercloth or geotextile fabric</li> <li>■ Cut new 4" x 4" weephole in wall and grout in 4" PVC pipe 5 ft.OC</li> <li>■ Install crushed stone extending up to within 6" of top of grade</li> <li>■ Cover crushed stone with filtercloth or geotextile fabric</li> <li>■ Backfill and replace sod</li> <li>■ Excess fill remains on site</li> </ul>						
<i>Height of Grade Above Weephole</i>						
24"	EA	---	---	---	---	05.330
36"	EA	---	---	---	---	05.331
48"	EA	---	---	---	---	05.332
60"	EA	---	---	---	---	05.333
EA = Each weephole						
<b>DRAINTILE BEHIND EXISTING RETAINING WALL</b>  Dig down and install weephole and draitile along back of existing retaining wall <ul style="list-style-type: none"> <li>■ Remove sod along back of retaining wall and dig hole 12" to 30" wide along back of wall the length of the wall to the top of the footing</li> <li>■ Line excavation with filtercloth or geotextile fabric</li> <li>■ Cut 4" x 4" weephole in wall and grout in 4" PVC pipe, 5 ft. OC</li> <li>■ Install perforated PVC pipe along the bottom of the excavation connected to and draining to new 4" weephole</li> <li>■ Cover drainpipe with crushed stone extending up to within 6" of top of grade</li> <li>■ Cover crushed stone with filtercloth or geotextile fabric</li> <li>■ Backfill and replace sod</li> <li>■ Excess fill remains on site</li> </ul>						
<i>Height of Grade Above Footing</i>						
24"	EA	---	---	---	---	05.340
36"	EA	---	---	---	---	05.341
48"	EA	---	---	---	---	05.342
60"	EA	---	---	---	---	05.343
LF = Length of new drainpipe						

## 5. REPLACE LOW RETAINING WALL

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE LOW RETAINING WALL	Replace existing low retaining wall, top of wall not over 36" above grade <ul style="list-style-type: none"> <li>■ Remove sod for 24" behind existing retaining wall</li> <li>■ Break up and remove existing retaining wall</li> <li>■ Remove by hand all dirt covering existing footing</li> <li>■ Drill holes in top of existing footing and install #5 (5/8") x 24" steel bars 24" OC</li> <li>■ Build new 8" x 8" x 16" block retaining wall on footing with grouted rebar</li> <li>■ Install weepholes in wall 6'-0" OC and grout in 4" clay tile or plastic pipe</li> <li>■ Install perforated drain pipe along top of footing sloping to outlets at end(s) of wall or to weepholes</li> <li>■ Line excavation with filtercloth or geotextile fabric</li> <li>■ Cover footing behind wall with crushed stone to within 6" of top of wall</li> <li>■ Cover crushed stone with filtercloth or geotextile fabric, backfill and replace sod</li> </ul>						
	Up to 27 SF of wall	MIN	---	---	---	---	05.350
	Additional SF of wall over 27 SF <b>ADD</b>	SF	---	---	---	---	05.351
	SF = One face of retaining wall						
BRICK VENEER ON RETAINING WALL	Install common brick veneer facing on above retaining wall						
	Up to 27 SF of wall	MIN	---	---	---	---	05.360
	Additional SF of wall over 27 SF <b>ADD</b>	SF	---	---	---	---	05.361
	SF = One face of retaining wall						

## 5. REPLACE LOW RETAINING WALL FOOTING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE RETAINING WALL FOOTING	Remove existing footing under retaining wall which has been removed and build new footing <ul style="list-style-type: none"> <li>■ Break up and remove existing continuous concrete footing</li> <li>■ Clean out existing footing trench so that new footing will be poured against the undisturbed face of the footing trench</li> <li>■ Wheel and pour continuous concrete footing from transit mix truck (2 cubic yard load of concrete minimum)</li> <li>■ Set #5 (5/8") x 24" steel bars 24" OC vertically into poured concrete footing</li> <li>■ Excess fill and concrete debris to remain on site</li> </ul>						
	12" H x 24" W footing up to 10 LF	MIN	---	---	---	---	05.370
	Additional LF more than 10 LF <b>ADD</b>	LF	---	---	---	---	05.371
	12" H x 36" W footing up to 10 LF	MIN	---	---	---	---	05.372
	Additional LF more than 10 LF <b>ADD</b>	LF	---	---	---	---	05.373
DIG OUT FOR ADDITIONAL FOOTING DEPTH	Dig out for additional footing depth to below frost line						
	<b>24" Wide Footing</b>						
	Dig out additional 12" depth	LF	---	---	---	---	05.380
	Dig out additional 24" depth	LF	---	---	---	---	05.381
	Dig out additional 36" depth	LF	---	---	---	---	05.382
	<b>36" Wide Footing</b>						
	Dig out additional 12" depth	LF	---	---	---	---	05.383
	Dig out additional 24" depth	LF	---	---	---	---	05.384
	Dig out additional 36" depth	LF	---	---	---	---	05.385

## 5. CHIMNEY REPAIR

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE CEMENT CHIMNEY SHELF	Remove existing cement chimney shelf <ul style="list-style-type: none"> <li>■ Build wooden 2" x 4" form around perimeter at top of masonry chimney allowing 1 inch overhand for shelf</li> <li>■ Apply polyethylene material at top of bricks and wrapped around each flue to prevent bonding with shelf</li> <li>■ Mix and place 3" mortar mix with Portland cement, sand and pea gravel sloping from shelf edge up to flue with wire mesh reinforcement</li> <li>■ Remove forms after mortar has set</li> <li>■ 24" x 30" chimney</li> </ul>						
	Top of Chimney Above Grade 20 LF	MIN	---	---	---	---	05.400
	Additional LF Above grade ADD	LF	---	---	---	---	05.401
CHIMNEY FLUE RAIN CAP	Install stainless steel flue cap to existing flue, up to 30 ft. above grade						
	<b>Flue size</b>						
	8-1/2" x 8-1/2"	EA	---	---	---	---	05.405
	8-1/2" x 13"	EA	---	---	---	---	05.406
	12" x 12"	EA	---	---	---	---	05.407
13" x 13"	EA	---	---	---	---	05.408	

## 5. FLUES IN EXISTING CHIMNEY

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.	
		MATLS	LABOR	TOTAL			
<b>INSTALL FLUE(S) IN EXISTING CHIMNEY</b>  Install flue(s) in existing chimney inside house <ul style="list-style-type: none"> <li>■ Tear out portion of chimney and install clay tile flue lining(s)</li> <li>■ Replace brickwork</li> <li>■ Patch wall with gypsum drywall or plaster, taped and finished, ready for painting</li> </ul>	One flue, length up to 3 LF	MIN	---	---	---	05.410	
	Additional flue length over 3 LF <b>ADD</b>	LF	---	---	---	05.411	
	Two Flues (side-by-side), length up to 3 LF	MIN	---	---	---	05.412	
	Additional flue length over 3 LF <b>ADD</b>	LF	---	---	---	05.413	
	Three Flues (side-by-side), length up to 3 LF	MIN	---	---	---	05.414	
	Additional flue length over 3 LF <b>ADD</b>	LF	---	---	---	05.415	
	Install flue(s) in existing chimney working outside <ul style="list-style-type: none"> <li>■ Tear out portion of chimney and install clay tile flue lining(s)</li> <li>■ Replace brickwork</li> <li>■ Cost of scaffolding not included</li> </ul>	One flue, length up to 3 LF	MIN	---	---	---	05.420
		Additional flue length over 3 LF <b>ADD</b>	LF	---	---	---	05.421
		Two Flues (side-by-side), length up to 3 LF	MIN	---	---	---	05.422
		Additional flue length over 3 LF <b>ADD</b>	LF	---	---	---	05.423
		Three Flues (side-by-side), length up to 3 LF	MIN	---	---	---	05.424
		Additional flue length over 3 LF <b>ADD</b>	LF	---	---	---	05.425
<b>ERECT SCAFFOLD</b>  Erect scaffolding plumb and level adjacent to work area up from existing grade, remove when finished	One 6 foot section of scaffolding	MIN	---	---	---	05.430	
	Each additional 6 foot section <b>ADD</b>	EA	---	---	---	05.431	
<b>BUILD ROOF STAGING</b>  Build staging on roof on two sides of chimney for work above existing roof line, remove when finished	Up to 20 feet above grade	MIN	---	---	---	05.435	
	Additional LF above grade over 20 LF <b>ADD</b>	LF	---	---	---	05.436	

## 5. FIREPLACE AND CHIMNEY REPAIR

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE LINTEL	Replace lintel in existing fireplace <ul style="list-style-type: none"> <li>■ Cut away brickwork and remove existing lintel</li> <li>■ Install new 48" lintel</li> <li>■ Replace brickwork</li> </ul>						
	No difficulty	EA	---	---	---	---	05.450
	Some difficulty	EA	---	---	---	---	05.451
	Difficult	EA	---	---	---	---	05.452
	Very difficult	EA	---	---	---	---	05.453
INSTALL DAMPER	Install damper in existing fireplace <ul style="list-style-type: none"> <li>■ Remove portion of chimney above fireplace</li> <li>■ Install damper</li> <li>■ Replace brickwork</li> </ul>						
	No difficulty	EA	---	---	---	---	05.455
	Some difficulty	EA	---	---	---	---	05.456
	Difficult	EA	---	---	---	---	05.457
	Very difficult	EA	---	---	---	---	05.458
ALTER FIREPLACE FOR USE	Alter bricked up fireplace for use <ul style="list-style-type: none"> <li>■ Break through brick to fireplace</li> <li>■ Clean out and repair for use with existing damper</li> </ul>						
	No difficulty	EA	---	---	---	---	05.460
	Some difficulty	EA	---	---	---	---	05.461
	Difficult	EA	---	---	---	---	05.462
	Very difficult	EA	---	---	---	---	05.463

## 5. FRONT HEARTH REPAIRS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
BRICK FRONT HEARTH, FLOOR LEVEL	Repair floor level brick hearth Up to 10 bricks	MIN	---	---	---	---	05.470
	Additional bricks over 10 bricks <b>ADD</b>	EA	---	---	---	---	05.471
RAISED BRICK HEARTH	Repair floor level brick hearth Up to 10 bricks	MIN	---	---	---	---	05.472
	Additional bricks over 10 bricks <b>ADD</b>	EA	---	---	---	---	05.473
	Repair raised hearth brick riser Up to 10 bricks	MIN	---	---	---	---	05.474
	Additional bricks over 10 bricks <b>ADD</b>	EA	---	---	---	---	05.475
	Replace raised hearth top and riser Up to 10 bricks	MIN	---	---	---	---	05.476
	Additional bricks over 10 bricks <b>ADD</b>	EA	---	---	---	---	05.477
FLAGSTONE FRONT HEARTH, FLOOR LEVEL	Repair floor level flagstone hearth Up to 3 SF	MIN	---	---	---	---	05.480
	Additional SF over 3 SF <b>ADD</b>	SF	---	---	---	---	05.481
RAISED FLAGSTONE HEARTH	Repair top of raised flagstone hearth Up to 3 SF	MIN	---	---	---	---	05.482
	Additional SF over 3 SF <b>ADD</b>	SF	---	---	---	---	05.483
	Repair raised hearth flagstone riser Up to 3 SF	MIN	---	---	---	---	05.484
	Additional SF over 3 SF <b>ADD</b>	SF	---	---	---	---	05.485
	Replace raised hearth top and riser Up to 3 SF	MIN	---	---	---	---	05.487
	Additional SF over 3 SF <b>ADD</b>	SF	---	---	---	---	05.488

## 6. REPLACE MUDSILL

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE MUDSILL, PLATFORM FRAMING	Replace defective mudsill in basement or crawl space with minimum of 18" headroom, platform framing <ul style="list-style-type: none"> <li>■ Jack up and shore floor joists supported by existing mudsill</li> <li>■ Remove existing mudsill from attachment to joists above</li> <li>■ Remove mudsill</li> <li>■ Install new mudsill and nail to existing joists. Notch mudsill to receive anchor bolts and attach to anchor bolts with nuts and washers</li> <li>■ No siding removal or repair</li> </ul>						
	Full Basement	LF	---	---	---	---	06.000
	Crawl Space	LF	---	---	---	---	06.001
	LF = Mudsill						
REPLACE MUDSILL, BALLOON FRAMING	Replace defective mudsill in basement or crawl space with minimum of 18" headroom, balloon framing <ul style="list-style-type: none"> <li>■ Jack up and shore floor joists and studs supported by existing mudsill</li> <li>■ Remove existing mudsill from attachment to joists and studs above</li> <li>■ Remove mudsill</li> <li>■ Install new mudsill and nail to existing joists and studs. Notch mudsill to receive anchor bolts and attach to anchor bolts with nuts and washers</li> <li>■ No siding removal or repair</li> </ul>						
	Full Basement	LF	---	---	---	---	06.005
	Crawl Space	LF	---	---	---	---	06.006
	LF = Mudsill						

## 6. REPLACE WOOD BEAM

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
<b>REPLACE WOOD BEAM</b>  Shore floor above, tear out existing defective wood beam, install new beam on existing posts or columns and remove shoring  <p style="text-align: center;"><b><i>New Beam</i></b></p>						
8" #13 steel I-beam	LF	---	---	---	---	06.010
8" #17 steel I-beam	LF	---	---	---	---	06.011
Two 2" x 8" wood beam	LF	---	---	---	---	06.012
Three 2" x 8" wood beam	LF	---	---	---	---	06.013
Two 2" x 10" wood beam	LF	---	---	---	---	06.014
Three 2" x 10" wood beam	LF	---	---	---	---	06.015
Two 2" x 12" wood beam	LF	---	---	---	---	06.016
Three 2" x 12" wood beam	LF	---	---	---	---	06.017
5-1/2" x 12" glued laminated wood beam	LF	---	---	---	---	06.018
Two 1-3/4" x 9-1/4" laminated veneer wood beam	LF	---	---	---	---	06.019
Three 1-3/4" x 9-1/4" laminated veneer wood beam	LF	---	---	---	---	06.020
Two 1-3/4" x 11-7/8" laminated veneer wood beam	LF	---	---	---	---	06.021
Three 1-3/4" x 11-7/8" laminated veneer wood beam	LF	---	---	---	---	06.022
Wood flitch plate, 1/2" x 9" plywood between two 2" x 10"	LF	---	---	---	---	06.023
LF = Length of beam						

## 6. REPLACE COLUMN, POST AND FOOTING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE EXISTING COLUMN OR POST	Replace existing wood, metal or masonry column or post in basement or crawl space <ul style="list-style-type: none"> <li>■ Shore floor above supported by existing column or post</li> <li>■ Break up concrete floor around existing column or post if required and remove column or post</li> <li>■ Install new 3" hollow steel column up to 8 feet long with base and cap plates on existing footing</li> <li>■ Pour and finish concrete around new column</li> <li>■ Remove shoring</li> </ul>						
	Full Basement	EA	---	---	---	---	06.030
	Crawl Space, 18" clearance	EA	---	---	---	---	06.031
	Crawl Space, no concrete floor	EA	---	---	---	---	06.032
REPLACE COLUMN OR POST AND CONCRETE FOOTING UNDER	Replace existing wood, metal or masonry column or post in basement or crawl space and install new concrete footing under <ul style="list-style-type: none"> <li>■ Shore floor above supported by existing column or post</li> <li>■ Break up concrete floor, if required, and remove existing column or post</li> <li>■ Break out existing footing and move rubble to outside</li> <li>■ Dig out as required and form and pour new 24" x 24" x 12" concrete footing</li> <li>■ Install new 3" hollow steel column up to 8 feet long with base and cap plates on new concrete footing</li> <li>■ Pour and finish concrete around new column, if required</li> <li>■ Remove shoring</li> </ul>						
	Full Basement, concrete floor	EA	---	---	---	---	06.040
	Crawl Space, concrete floor	EA	---	---	---	---	06.041
	Crawl Space, dirt floor	EA	---	---	---	---	06.042

## 6. DOUBLE UP JOISTS (SISTERING)

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
DOUBLE UP JOISTS (SISTERING)	Double up existing joists with new joists spiked to existing joists open from below						
	2" x 6"	LF	---	---	---	---	06.050
	2" x 8"	LF	---	---	---	---	06.051
	2" x 10"	LF	---	---	---	---	06.052
	2" x 12"	LF	---	---	---	---	06.053
	LF = New sistering joist						

## 7. STUDWALL FRAMING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
KNEEWALL	Install kneewall in existing attic to support rafters or for future room wall						
	2" x 4" x 4'-0"	LF	---	---	---	---	07.000
	2" x 6" x 4'-0"	LF	---	---	---	---	07.001
	2" x 4" x 6'-0"	LF	---	---	---	---	07.002
	2" x 6" x 6'-0"	LF	---	---	---	---	07.003
	LF = Length of kneewall						
CLOSET FRAMING	Frame out closet in corner of existing room with doorway up to 6 feet wide						
	2" x 4" x 8'-0" high	LF	---	---	---	---	07.010
	2" x 6" x 8'-0" high	LF	---	---	---	---	07.011
	2" x 4" x 10'-0" high	LF	---	---	---	---	07.012
	2" x 6" x 10'-0" high	LF	---	---	---	---	07.013
	LF = Length of partitions, including doorway						
BENCH SEAT DUCT ENCLOSURE	Enclose existing attic ductwork with bench seat <ul style="list-style-type: none"> <li>■ Nail ledger to existing wall above ductwork not over 24" above floor</li> <li>■ Build 2" x 4" kneewall even with top of ledger and outside the ductwork</li> <li>■ Install 5/8" plywood cap at the top of kneewall and ledger, leaving front and top ready for finishing</li> </ul>	LF	---	---	---	---	07.020
	LF = Length of bench seat						

## 7. REPAIR DAMAGED WALL

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPAIR DAMAGED WALL FRAMING FROM INSIDE	Repair water or termite damaged wall framing from inside the building <ul style="list-style-type: none"> <li>■ Remove base moulding from damaged area of wall and save</li> <li>■ Remove wallboard from damaged area</li> <li>■ Shore ceiling over damaged area</li> <li>■ Remove sole plate and install new sole plate</li> <li>■ Spike new 2" x 4" studs to existing studs</li> <li>■ Remove shoring</li> <li>■ Install new wallboard, taped and finished ready for painting</li> <li>■ Install saved base moulding</li> </ul>						
	Repair damaged area up to 36 SF	MIN	---	---	---	---	07.050
	Additional area over 36 SF <b>ADD</b>	SF	---	---	---	---	07.051
REPAIR DAMAGED WALL FRAMING FROM OUTSIDE	Repair water or termite damaged wall framing from outside the building <ul style="list-style-type: none"> <li>■ Remove siding from damaged area and save</li> <li>■ Remove sheathing from damaged area</li> <li>■ Shore ceiling inside the building over damaged area</li> <li>■ Remove sole plate and install new sole plate</li> <li>■ Spike new 2" x 4" studs to existing studs</li> <li>■ Remove shoring</li> <li>■ Install new sheathing and the saved siding</li> </ul>						
	Repair damaged framing up to 36 SF	MIN	---	---	---	---	07.055
	Additional area over 36 SF <b>ADD</b>	SF	---	---	---	---	07.056

## 8. DOUBLE UP RAFTERS (SISTERING)

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
DOUBLE UP RAFTERS	Double up existing rafter with new rafter spiked to existing rafter, installation from inside attic, no ceiling covering removed						
	2" x 6"	LF	---	---	---	---	08.001
	2" x 8"	LF	---	---	---	---	08.002
	2" x 10"	LF	---	---	---	---	08.003
	2" x 12"	LF	---	---	---	---	08.004

## 8. REPLACE RIDGEBOARD

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE EXISTING RIDGEBOARD	<p>Replace section of existing ridgeboard, no ceiling or wall covering removed</p> <ul style="list-style-type: none"> <li>■ Build temporary 2" x 4" kneewall to support rafters on both sides of the section of existing ridgeboard to be replaced</li> <li>■ Cut nails fastening the rafters to both sides of the existing ridgeboard</li> <li>■ Cut out section between rafters of ridgeboard to be replaced and remove it</li> <li>■ Slide new section of ridgeboard in place of the section of ridgeboard which was removed</li> <li>■ When new ridgeboard section is in place with the rafters fitting snugly against it, toenail the rafters into new ridgeboard section</li> <li>■ Scab on same size pieces of dimension lumber to connect new section of ridgeboard with existing ridgeboard or with another section of ridgeboard to be replaced</li> <li>■ Remove the temporary kneewall</li> </ul> <p>Replace ridgeboard up to 8 ft. long</p> <p>Additional LF ridgeboard over 8 ft. <b>ADD</b></p> <p>LF = Additional length of new ridgeboard section</p>	MIN	---	---	---	---	08.010
		LF	---	---	---	---	08.011

## 8. STRUCTURAL RIDGE BEAM

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
STRUCTURAL RIDGE BEAM	Structural ridge beam installed below existing ridgeboard, no ceiling or wall covering removed <ul style="list-style-type: none"> <li>■ Seat cut and plumb cut existing rafters so new structural ridge beam will fit neatly under the existing ridgeboard as well as support the rafters</li> <li>■ Install posts and/or headers and jacks at each end as required to support new structural ridge beam</li> <li>■ Install structural ridge beam under existing ridgeboard on new supports at each end</li> </ul> <p style="text-align: center;"><b>Structural Ridge Beam</b></p>						
	(3) 2" x 10" up to 15 ft.	MIN	---	---	---	---	08.020
	Additional length over 15 ft. <b>ADD</b>	LF	---	---	---	---	08.021
	(3) 2" x 12" up to 15 ft.	MIN	---	---	---	---	08.022
	Additional length over 15 ft. <b>ADD</b>	LF	---	---	---	---	08.023
	(3) 1-3/4" x 9-1/4" LVL up to 15 ft.	MIN	---	---	---	---	08.024
	Additional length over 15 ft. <b>ADD</b>	LF	---	---	---	---	08.025
	(3) 1-3/4" x 11-7/8" LVL up to 15 ft.	MIN	---	---	---	---	08.026
	Additional length over 15 ft. <b>ADD</b>	LF	---	---	---	---	08.027
	ADDITIONAL SUPPORT	Additional intermediate support for structural ridge beam as required					
4" x 4", 6'-0" high		EA	---	---	---	---	08.030
4" x 4", 12'-0" high		EA	---	---	---	---	08.031
6" x 6", 6'-0" high		EA	---	---	---	---	08.032
6" x 6", 12'-0" high		EA	---	---	---	---	08.033
EA = Each 4" x 4" or 6" x 6"							

## 8. ATTIC ALTERATIONS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
DOUBLE UP CEILING JOISTS	Double up existing ceiling joist (attic floor framing) with new ceiling joist spiked to existing ceiling joist, installation from inside attic with existing ceiling covering below undisturbed						
	2" x 4" up to 12 feet long	EA	---	---	---	---	08.100
	2" x 6" up to 12 feet long	EA	---	---	---	---	08.101
	2" x 8" up to 16 feet long	EA	---	---	---	---	08.102
	2" x 10" up to 16 feet long	EA	---	---	---	---	08.103
EA = Each ceiling joist							
REPLACE COLLAR TIES	Replace existing collar tie in attic attached to opposing rafters						
	<ul style="list-style-type: none"> <li>■ Install new collar tie</li> <li>■ Remove existing collar tie</li> <li>■ No ceiling covering removed</li> </ul>						
	2" x 4" up to 12 feet long	EA	---	---	---	---	08.110
	2" x 6" up to 12 feet long	EA	---	---	---	---	08.111
EA = Each new collar tie							
ATTIC SUBFLOORING	Install subflooring in attic with #2 3/4" SPF or 1/2" plywood across existing ceiling joists (attic floor framing)						
	3/4" SPF	SF	---	---	---	---	08.120
	1/2" plywood	SF	---	---	---	---	08.121
SF = Subflooring							

## 9. ASPHALT AND FIBERGLASS SHINGLE REPAIR

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
SHINGLE REPAIR	Remove defective asphalt or fiberglass shingle and replace with new asphalt or fiberglass shingle, 4 to 6 in 12 slope, one bundle maximum quantity of shingle replacement						
	3 Tab, up to 5 shingles	MIN	---	---	---	---	09.000
	Additional shingles more than 5 <b>ADD</b>	EA	---	---	---	---	09.001
	Architectural, up to 5 shingles	MIN	---	---	---	---	09.005
	Additional shingles more than 5 <b>ADD</b>	EA	---	---	---	---	09.006
	Dimensional/Laminated, up to 5 shingles	MIN	---	---	---	---	09.010
	Additional shingles more than 5 <b>ADD</b>	EA	---	---	---	---	09.011
	Remove defective asphalt or fiberglass shingle and replace with new asphalt or fiberglass shingle, 7 to 12 in 12 slope, one bundle maximum quantity of shingle replacement						
	3 Tab, up to 5 shingles	MIN	---	---	---	---	09.020
	Additional shingles more than 5 <b>ADD</b>	EA	---	---	---	---	09.021
	Architectural, up to 5 shingles	MIN	---	---	---	---	09.025
	Additional shingles more than 5 <b>ADD</b>	EA	---	---	---	---	09.026
Dimensional/Laminated, up to 5 shingles	MIN	---	---	---	---	09.030	
Additional shingles more than 5 <b>ADD</b>	EA	---	---	---	---	09.031	

## 9. BUILT-UP ROOF REPAIRS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
PATCH BUILT- UP ROOF	Scrape materials from defective roof and install new paper, hot asphalt and slag to area  Up to 100 SF of roof patched	MIN	---	---	---	---	09.050
	Additional roof patched over 100 SF <b>ADD</b>	SF	---	---	---	---	09.051
ALUMINIZA- TION	Apply aluminum roof coating to defective roof area <ul style="list-style-type: none"> <li>■ Scrape materials from defective area</li> <li>■ Patch holes with fiber tape and black asphalt roof cement</li> <li>■ Apply 2 coats of aluminum roof coating with fiber (2<sup>nd</sup> coat while 1<sup>st</sup> coat is still tacky)</li> </ul> Up to 10 SF aluminized	MIN	---	---	---	---	09.060
	Additional roof aluminized over 10 SF <b>ADD</b>	SF	---	---	---	---	09.061
	Aluminum based roof paint applied on new roof or roof in good condition, 1 coat each 2 years  Up to 50 SF of roof painted	MIN	---	---	---	---	09.065
	Additional roof painted over 50 SF <b>ADD</b>	SF	---	---	---	---	09.066

## 9. REPAIR WOOD SHINGLES AND SHAKES

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.	
			MATLS	LABOR	TOTAL			
REPAIR WOOD SHINGLES	Repair wood shingle leak by nailing down, installing sheet metal patch under or cementing crack							
	Slope 4 to 6 in 12, up to 5 shingles	MIN	---	---	---	---	09.070	
	Additional shingles more than 5 <b>ADD</b>	EA	---	---	---	---	09.071	
	Slope 7 to 12 in 12, up to 5 shingles	MIN	---	---	---	---	09.072	
	Additional shingles more than 5 <b>ADD</b>	EA	---	---	---	---	09.073	
	Repair wood shingle leak by replacing defective pieces with new ones							
	Slope 4 to 6 in 12, up to 5 shingles	MIN	---	---	---	---	09.075	
	Additional shingles more than 5 <b>ADD</b>	EA	---	---	---	---	09.076	
	Slope 7 to 12 in 12, up to 5 shingles	MIN	---	---	---	---	09.077	
	Additional shingles more than 5 <b>ADD</b>	EA	---	---	---	---	09.078	
	REPAIR WOOD SHAKES	Repair wood shake leak by nailing down, installing sheet metal patch under or cementing crack						
		Slope 4 to 6 in 12, up to 5 shakes	MIN	---	---	---	---	09.080
Additional shakes more than 5 <b>ADD</b>		EA	---	---	---	---	09.081	
Slope 7 to 12 in 12, up to 5 shakes		MIN	---	---	---	---	09.082	
Additional shakes more than 5 <b>ADD</b>		EA	---	---	---	---	09.083	
Repair wood shake leak by replacing defective pieces with new ones								
Slope 4 to 6 in 12, up to 5 shakes		MIN	---	---	---	---	09.085	
Additional shakes more than 5 <b>ADD</b>		EA	---	---	---	---	09.086	
Slope 7 to 12 in 12, up to 5 shakes		MIN	---	---	---	---	09.087	
Additional shakes more than 5 <b>ADD</b>		EA	---	---	---	---	09.088	

## 9. SLATE ROOF REPAIR AND REPLACEMENT

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPAIR CRACKED SLATE	Repair cracked or loose slate by filling crack or reattaching with asphalt roofing cement or sealer						
	Slope 4 to 6 in 12, up to 5 slates	MIN	---	---	---	---	09.100
	Additional slates more than 5 <b>ADD</b>	EA	---	---	---	---	09.101
	Slope 7 to 12 in 12, up to 5 slates	MIN	---	---	---	---	09.102
	Additional slates more than 5 <b>ADD</b>	EA	---	---	---	---	09.103
CEMENT RIDGE	Cement slate ridge						
	Up to 10 LF of ridge cemented	MIN	---	---	---	---	09.110
	Additional LF of ridge over 10 LF <b>ADD</b>	LF	---	---	---	---	09.111
REPLACE SLATE	Repair slate roof leak by replacing defective slate						
	<ul style="list-style-type: none"> <li>■ Cut nails holding defective slate</li> <li>■ Remove the slate</li> <li>■ Cut a 5 or 6 inch wide strip of copper long enough to insert at least 6 inches under the slates above and extend beyond the bottom end of the new slate to be installed</li> <li>■ Nail copper strip into place and cover nailheads and old nail holes with roofing cement</li> <li>■ Coat the underside of the replacement slate with asphalt cement, slip it under the slate course above and bend the copper strip around the bottom end to hold it in place</li> </ul>						
	Up to 5 slates	MIN	---	---	---	---	09.120
	Additional slates over 5 <b>ADD</b>	EA	---	---	---	---	09.121

## 9. ROOFING TILE REPAIR AND REPLACEMENT

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.	
		MATLS	LABOR	TOTAL			
REPAIR CRACKED FLAT TILE	Repair cracked flat tile by inserting aluminum or copper flashing under tile <ul style="list-style-type: none"> <li>■ Cut piece of aluminum or copper flashing wide enough to extend 1 inch under the adjoining tiles, long enough to extend 1 inch under the tiles above and 1/4" below cracked tile</li> <li>■ Cut nails holding the cracked tile in place</li> <li>■ Drill two new holes in cracked tile</li> <li>■ Slip the flashing under the cracked tile with 1/2" extending below the bottom of the tile and bend it up to support the tile in place</li> <li>■ Renail tile using new drilled holes</li> <li>■ Cover the old nailholes and the new nailheads with roofing cement</li> </ul>						
	Up to 3 tiles repaired	MIN	---	---	---	---	09.151
	Additional tiles repaired over 3 <b>ADD</b>	EA	---	---	---	---	09.152
REPLACE ROOFING TILES	Replace damaged or defective flat or curved tile with new tile <ul style="list-style-type: none"> <li>■ Cut nails and remove damaged or defective tile</li> <li>■ Repair felt paper under removed tile with patch and roofing cement</li> <li>■ Slide new tile into place and drill two holes through the overlaying tile and the replacement tile</li> <li>■ Nail the tiles to the deck and cover the nailheads with roofing cement</li> <li>■ Each tile @ \$5.00 each</li> </ul>						
	Up to 3 tiles repaired	MIN	---	---	---	---	09.160
	Additional tiles repaired over 3 <b>ADD</b>	EA	---	---	---	---	09.161
REPAIR CRACKED SPANISH OR MISSION TILE	Repair cracked spanish or mission tile by applying plastic sealer to the crack						
	Up to 3 tiles repaired	MIN	---	---	---	---	09.170
	Additional tiles repaired over 3 <b>ADD</b>	EA	---	---	---	---	09.171
CEMENT RIDGE	Cement clay or concrete tile ridge and seal around chimney and vents						
	Up to 10 LF sealed	MIN	---	---	---	---	09.175
	Additional sealed area over 10 LF <b>ADD</b>	LF	---	---	---	---	09.176

**9. METAL ROOF REPAIR**

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPAIR LEAKS	Tar over existing metal roof for temporary repair of leaks						
	Up to 5 SF of repaired area	MIN	---	---	---	---	09.201
	Additional repaired area over 5 SF <b>ADD</b>	SF	---	---	---	---	09.202
ALUMINIZATION	Apply aluminum roof coating to defective roof area <ul style="list-style-type: none"> <li>■ Scrape materials from defective area</li> <li>■ Patch holes with fiber tape and black asphalt roof cement</li> <li>■ Apply 2 coats of aluminum roof coating with fiber (2<sup>nd</sup> coat while 1<sup>st</sup> coat is still tacky)</li> </ul>						
	Up to 10 SF aluminized	MIN	---	---	---	---	09.250
	Additional area over 10 SF <b>ADD</b>	SF	---	---	---	---	09.251

## 9. REMOVE AND RE-INSTALL GUTTERS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.	
			MATLS	LABOR	TOTAL			
REMOVE AND RE-INSTALL GUTTERS ON ONE STORY BUILDING	Remove existing gutter system and re- install in same location on one story building							
	Vinyl OG, up to 10 LF	MIN	---	---	---	---	09.300	
	Additional LF over 10 LF <b>ADD</b>	LF	---	---	---	---	09.301	
	Aluminum OG, up to 10 LF	MIN	---	---	---	---	09.302	
	Additional LF over 10 LF <b>ADD</b>	LF	---	---	---	---	09.303	
	Aluminum Seamless OG, up to 10 LF	MIN	---	---	---	---	09.304	
	Additional LF over 10 LF <b>ADD</b>	LF	---	---	---	---	09.305	
	Galvanized Steel OG, up to 10 LF	MIN	---	---	---	---	09.306	
	Additional LF over 10 LF <b>ADD</b>	LF	---	---	---	---	09.307	
	Copper Half Round, up to 10 LF	MIN	---	---	---	---	09.308	
	Additional LF over 10 LF <b>ADD</b>	LF	---	---	---	---	09.309	
	REMOVE AND RE-INSTALL GUTTERS ON TWO STORY BUILDING	Remove existing gutter system and re- install in same location on two story building						
		Vinyl OG, up to 10 LF	MIN	---	---	---	---	09.310
		Additional LF over 10 LF <b>ADD</b>	LF	---	---	---	---	09.311
Aluminum OG, up to 10 LF		MIN	---	---	---	---	09.312	
Additional LF over 10 LF <b>ADD</b>		LF	---	---	---	---	09.313	
Aluminum Seamless OG, up to 10 LF		MIN	---	---	---	---	09.314	
Additional LF over 10 LF <b>ADD</b>		LF	---	---	---	---	09.315	
Galvanized Steel OG, up to 10 LF		MIN	---	---	---	---	09.316	
Additional LF over 10 LF <b>ADD</b>		LF	---	---	---	---	09.317	
Copper Half Round, up to 10 LF		MIN	---	---	---	---	09.318	
Additional LF over 10 LF <b>ADD</b>		LF	---	---	---	---	09.319	

## 9. REMOVE AND RE-INSTALL GUTTERS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REMOVE AND RE-INSTALL GUTTERS ON THREE STORY BUILDING	Remove existing gutter system and re- install in same location on three story building						
	Vinyl OG, up to 10 LF	MIN	---	---	---	---	09.320
	Additional LF over 10 LF <b>ADD</b>	LF	---	---	---	---	09.321
	Aluminum OG, up to 10 LF	MIN	---	---	---	---	09.322
	Additional LF over 10 LF <b>ADD</b>	LF	---	---	---	---	09.323
	Aluminum Seamless OG, up to 10 LF	MIN	---	---	---	---	09.324
	Additional LF over 10 LF <b>ADD</b>	LF	---	---	---	---	09.325
	Galvanized Steel OG, up to 10 LF	MIN	---	---	---	---	09.326
	Additional LF over 10 LF <b>ADD</b>	LF	---	---	---	---	09.327
	Copper Half Round, up to 10 LF	MIN	---	---	---	---	09.328
	Additional LF over 10 LF <b>ADD</b>	LF	---	---	---	---	09.329

## 9. REMOVE AND REPAIR GUTTERS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REMOVE AND REPAIR GUTTER	Remove gutter from house, cut out defective section, replace with new gutter section and re-install gutter						
	5" Vinyl gutter, OG, up to 10 LF	MIN	---	---	---	---	09.351
	Up to 10 additional LF <b>ADD</b>	EA	---	---	---	---	09.352
	5" Aluminum gutter, OG, up to 10 LF	MIN	---	---	---	---	09.353
	Up to 10 additional LF <b>ADD</b>	EA	---	---	---	---	09.354
	6" Aluminum gutter, OG, up to 10 LF	MIN	---	---	---	---	09.355
	Up to 10 additional LF <b>ADD</b>	EA	---	---	---	---	09.356
	5" Galvanized steel gutter, OG, up to 10 LF	MIN	---	---	---	---	09.357
	Up to 10 additional LF <b>ADD</b>	EA	---	---	---	---	09.358
	6" Galvanized steel gutter, OG, up to 10 LF	MIN	---	---	---	---	09.359
	Up to 10 additional LF <b>ADD</b>	EA	---	---	---	---	09.360
	5" Copper gutter, OG, up to 10 LF	MIN	---	---	---	---	09.361
	Up to 10 additional LF <b>ADD</b>	EA	---	---	---	---	09.362
	6" Copper gutter, OG, up to 10 LF	MIN	---	---	---	---	09.363
	Up to 10 additional LF <b>ADD</b>	EA	---	---	---	---	09.364
	5" Half round copper gutter, up to 10 LF	MIN	---	---	---	---	09.365
	Up to 10 additional LF <b>ADD</b>	EA	---	---	---	---	09.366
	6" Half round copper gutter, up to 10 LF	MIN	---	---	---	---	09.367
	Up to 10 additional LF <b>ADD</b>	EA	---	---	---	---	09.368

## 9. REPAIR GUTTERS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPAIR GUTTER IN PLACE	Repair existing gutter in place with any of the following items:						
	Dove tail hook	EA	---	---	---	---	09.670
	Bronze hanger	EA	---	---	---	---	09.671
	Spike and ferrule	EA	---	---	---	---	09.672
	Aluminum wrap-around hanger	EA	---	---	---	---	09.673
	Hexhead screw hidden hanger	EA	---	---	---	---	09.674
	Aluminum strap hanger	EA	---	---	---	---	09.675
	Copper strap hanger	EA	---	---	---	---	09.676
	Vinyl end cap	EA	---	---	---	---	09.677
	Aluminum end cap	EA	---	---	---	---	09.678
	Galvanized end cap	EA	---	---	---	---	09.679
	Copper end cap	EA	---	---	---	---	09.680
	5" Vinyl 90° miter	EA	---	---	---	---	09.681
	5" Aluminum 90° miter	EA	---	---	---	---	09.682
	6" Aluminum 90° miter	EA	---	---	---	---	09.683
	5" Galvanized 90° miter	EA	---	---	---	---	09.684
	6" Galvanized 90° miter	EA	---	---	---	---	09.685
	5" Half round Copper 90° miter	EA	---	---	---	---	09.686
	6" Half round Copper 90° miter	EA	---	---	---	---	09.687
	5" OG Copper 90° miter	EA	---	---	---	---	09.688
	6" OG Copper 90° miter	EA	---	---	---	---	09.689
	5" Vinyl joiner	EA	---	---	---	---	09.690
	5" Aluminum slip joint	EA	---	---	---	---	09.691
	5" Galvanized slip joint	EA	---	---	---	---	09.692
	5" Copper slip joint	EA	---	---	---	---	09.693

## 9. REMOVE AND REPLACE DOWNSPOUTS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REMOVE AND REPLACE DOWNSPOUT	Remove existing downspout and replace with new downspout section						
	2" x 3" Aluminum downspout, up to 10 LF	MIN	---	---	---	---	09.700
	Up to 10 additional LF <b>ADD</b>	EA	---	---	---	---	09.701
	3" x 4" Aluminum downspout, up to LF	MIN	---	---	---	---	09.702
	Up to 10 additional LF <b>ADD</b>	EA	---	---	---	---	09.703
	2" x 3" Galvanized downspout, up to 10 LF	MIN	---	---	---	---	09.704
	Up to 10 additional LF <b>ADD</b>	EA	---	---	---	---	09.705
	3" x 4" Galvanized downspout, up to 10 LF	MIN	---	---	---	---	09.706
	Up to 10 additional LF <b>ADD</b>	EA	---	---	---	---	09.707
	2" X 3" Copper downspout, up to 10 LF	MIN	---	---	---	---	09.708
	Up to 10 additional LF <b>ADD</b>	EA	---	---	---	---	09.709
	3" x 4" Copper downspout, up to 10 LF	MIN	---	---	---	---	09.710
	Up to 10 additional LF <b>ADD</b>	EA	---	---	---	---	09.711
	3" Round copper downspout, up to 10 LF	MIN	---	---	---	---	09.712
	Up to 10 additional LF <b>ADD</b>	EA	---	---	---	---	09.713
	4" Round copper downspout, up to 10 LF	MIN	---	---	---	---	09.714
	Up to 10 additional LF <b>ADD</b>	EA	---	---	---	---	09.715
	2" x 3" Vinyl downspout, up to 10 LF	MIN	---	---	---	---	09.716
Up to 10 additional LF <b>ADD</b>	EA	---	---	---	---	09.717	

## 9. REPAIR DOWNSPOUTS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPAIR DOWNSPOUT IN PLACE	Repair existing downspout in place with any of the following items:						
	Traditional back clip	EA	---	---	---	---	09.750
	Galvanized or aluminum strap	EA	---	---	---	---	09.751
	Copper strap	EA	---	---	---	---	09.752
	3" Bronze spike	EA	---	---	---	---	09.753
	4" Bronze spike	EA	---	---	---	---	09.754
	Vinyl drop outlet	EA	---	---	---	---	09.755
	2" x 3" Aluminum drop outlet	EA	---	---	---	---	09.756
	3" x 4" Aluminum drop outlet	EA	---	---	---	---	09.757
	2" x 3" Galvanized drop outlet	EA	---	---	---	---	09.758
	3" x 4" Galvanized drop outlet	EA	---	---	---	---	09.759
	2" x 3" Copper drop outlet	EA	---	---	---	---	09.760
	3" x 4" Copper drop outlet	EA	---	---	---	---	09.761
	2" x 3" Aluminum elbow	EA	---	---	---	---	09.762
	3" x 4" Aluminum elbow	EA	---	---	---	---	09.763
	2" x 3" Galvanized elbow	EA	---	---	---	---	09.764
	3" x 4" Galvanized elbow	EA	---	---	---	---	09.765
	3" Round copper elbow	EA	---	---	---	---	09.766
	4" Round copper elbow	EA	---	---	---	---	09.767
	2" x 3" Copper elbow	EA	---	---	---	---	09.768
3" x 4" Copper elbow	EA	---	---	---	---	09.769	
2" x 3" Vinyl elbow	EA	---	---	---	---	09.770	

## 9. REPLACE ALUMINUM VALLEY FLASHING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE VALLEY FLASHING SECTION	Replace valley flashing section with aluminum flashing <ul style="list-style-type: none"> <li>■ Remove existing roofing which extends over the valley flashing 4" above and 4" below the damaged flashing area</li> <li>■ Cut patch of flashing material which will extend 4" above and 4" below the damaged flashing area</li> <li>■ Cut out existing flashing area enough to insert new flashing piece under top cut in existing flashing</li> <li>■ Apply roof cement on top side of top area of new flashing piece and on the bottom side along the sides at the bottom</li> <li>■ Insert new flashing piece under the existing flashing where it was cut out above the damaged area and on top of the existing flashing below the cut</li> <li>■ Nail the flashing pieces together near the edge of the flashing at its four corners</li> <li>■ Reinstall the roofing materials which were removed</li> </ul>						
	<b>4 to 6 in 12 slope</b>						
	With asphalt/fiberglass shingles, up to 8 LF	MIN	---	---	---	---	09.800
	Additional flashing over 8 LF <b>ADD</b>	LF	---	---	---	---	09.801
	With wood shingles or shakes, up to 8 LF	MIN	---	---	---	---	09.802
	Additional flashing over 8 LF <b>ADD</b>	LF	---	---	---	---	09.803
	With slate or clay tile, up to 8 LF	MIN	---	---	---	---	09.804
	Additional flashing over 8 LF <b>ADD</b>	LF	---	---	---	---	09.805
	<b>7 to 12 in 12 slope</b>						
	With asphalt/fiberglass shingles, up to 8 LF	MIN	---	---	---	---	09.810
	Additional flashing over 8 LF <b>ADD</b>	LF	---	---	---	---	09.811
	With wood shingles or shakes, up to 8 LF	MIN	---	---	---	---	09.812
	Additional flashing over 8 LF <b>ADD</b>	LF	---	---	---	---	09.813
	With slate or clay tile, up to 8 LF	MIN	---	---	---	---	09.814
	Additional flashing over 8 L <b>ADD</b>	LF	---	---	---	---	09.815

## 9. REPLACE COPPER VALLEY FLASHING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE VALLEY FLASHING SECTION	Replace valley flashing section with copper flashing <ul style="list-style-type: none"> <li>■ Remove existing roofing which extends over the valley flashing 4" above and 4" below the damaged flashing area</li> <li>■ Cut patch of flashing material which will extend 4" above and 4" below the damaged flashing area</li> <li>■ Cut out existing flashing area enough to insert new flashing piece under top cut in existing flashing</li> <li>■ Apply roof cement on top side of top area of new flashing piece and on the bottom side along the sides at the bottom</li> <li>■ Insert new flashing piece under the existing flashing where it was cut out above the damaged area and on top of the existing flashing below the cut</li> <li>■ Nail the flashing pieces together near the edge of the flashing at its four corners</li> <li>■ Reinstall the roofing materials which were removed</li> </ul>						
	<b>4 to 6 in 12 slope</b>						
	With asphalt/fiberglass shingles, up to 8 LF	MIN	---	---	---	---	09.820
	Additional flashing over 8 LF <b>ADD</b>	LF	---	---	---	---	09.821
	With wood shingles or shakes, up to 8 LF	MIN	---	---	---	---	09.822
	Additional flashing over 8 LF <b>ADD</b>	LF	---	---	---	---	09.823
	With slate or clay tile, up to 8 LF	MIN	---	---	---	---	09.824
	Additional flashing over 8 LF <b>ADD</b>	LF	---	---	---	---	09.825
	<b>7 to 12 in 12 slope</b>						
	With asphalt/fiberglass shingles, up to 8 LF	MIN	---	---	---	---	09.830
	Additional flashing over 8 LF <b>ADD</b>	LF	---	---	---	---	09.831
	With wood shingles or shakes, up to 8 LF	MIN	---	---	---	---	09.832
	Additional flashing over 8 LF <b>ADD</b>	LF	---	---	---	---	09.833
	With slate or clay tile, up to 8 LF	MIN	---	---	---	---	09.834
	Additional flashing over 8 LF <b>ADD</b>	LF	---	---	---	---	09.835

## 9. SKYLIGHT COPPER FLASHING REPAIR

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPAIR SKYLIGHT FLASHING	Repair leaking skylight <ul style="list-style-type: none"> <li>■ Remove counter flashing</li> <li>■ Remove 12" of roofing material and step flashing from all four sides of skylight</li> <li>■ Observe any damage to skylight unit or surrounding roof area that may require additional repair or replacement not included here</li> <li>■ Reinstall the roofing materials which were removed and install new step flashing up and around skylight curb</li> <li>■ Re-install skylight counter flashing</li> <li>■ Apply neoprene flashing cement to appropriate areas</li> <li>■ Each skylight approximately 24" x 36"</li> </ul>						
	<b>4 to 6 in 12 slope</b>						
	With asphalt/fiberglass shingles, 1 skylight	MIN	---	---	---	---	09.841
	Flash additional skylight <b>ADD</b>	EA	---	---	---	---	09.842
	With wood shingles or shakes, 1 skylight	MIN	---	---	---	---	09.843
	Flash additional skylight <b>ADD</b>	EA	---	---	---	---	09.844
	With slate or clay tile, 1 skylight	MIN	---	---	---	---	09.845
	Flash additional skylight <b>ADD</b>	EA	---	---	---	---	09.846
	<b>7 to 12 in 12 slope</b>						
	With asphalt/fiberglass shingles, 1 skylight	MIN	---	---	---	---	09.850
	Flash additional skylight <b>ADD</b>	EA	---	---	---	---	09.851
	With wood shingles or shakes, 1 skylight	MIN	---	---	---	---	09.852
	Flash additional skylight <b>ADD</b>	EA	---	---	---	---	09.853
	With slate or clay tile, 1 skylight	MIN	---	---	---	---	09.854
	Flash additional skylight <b>ADD</b>	EA	---	---	---	---	09.855

## 9. SKYLIGHT ALUMINUM FLASHING REPAIR

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPAIR SKYLIGHT FLASHING	Repair leaking skylight <ul style="list-style-type: none"> <li>■ Remove counter flashing</li> <li>■ Remove 12" of roofing material and step flashing from all four sides of skylight</li> <li>■ Observe any damage to skylight unit or surrounding roof area that may require additional repair or replacement not included here</li> <li>■ Reinstall the roofing materials which were removed and install new step flashing up and around skylight curb</li> <li>■ Re-install skylight counter flashing</li> <li>■ Apply neoprene flashing cement to appropriate areas</li> <li>■ Each skylight approximately 24" x 36"</li> </ul>						
	<b>4 to 6 in 12 slope</b>						
	With asphalt/fiberglass shingles, 1 skylight	MIN	---	---	---	---	09.860
	Flash additional skylight <b>ADD</b>	EA	---	---	---	---	09.861
	With wood shingles or shakes, 1 skylight	MIN	---	---	---	---	09.862
	Flash additional skylight <b>ADD</b>	EA	---	---	---	---	09.863
	With slate or clay tile, 1 skylight	MIN	---	---	---	---	09.864
	Flash additional skylight <b>ADD</b>	EA	---	---	---	---	09.865
	<b>7 to 12 in 12 slope</b>						
	With asphalt/fiberglass shingles, 1 skylight	MIN	---	---	---	---	09.870
	Flash additional skylight <b>ADD</b>	EA	---	---	---	---	09.871
	With wood shingles or shakes, 1 skylight	MIN	---	---	---	---	09.872
	Flash additional skylight <b>ADD</b>	EA	---	---	---	---	09.873
	With slate or clay tile, 1 skylight	MIN	---	---	---	---	09.874
	Flash additional skylight <b>ADD</b>	EA	---	---	---	---	09.875

## 9. FLASHING REPAIRS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
FLASHING REPAIRS	Scrape away loose mortar on chimney flashing and reseal						
	Up to 5 LF of chimney flashing	MIN	---	---	---	---	09.880
	Additional flashing over 5 LF <b>ADD</b>	LF	---	---	---	---	09.881
	Repair small holes in flashing with asphalt cement						
	Up to 5 holes repaired	MIN	---	---	---	---	09.882
	Additional holes repaired over 5 <b>ADD</b>	EA	---	---	---	---	09.883
	Repair rust spots						
	■ Clean out rust spots with solvent and wire brush						
	■ Cover spots with asphalt cement						
	Up to 2 spots repaired	MIN	---	---	---	---	09.884
Additional spots repaired over 2 <b>ADD</b>	EA	---	---	---	---	09.885	
PATCH VALLEY FLASHING	Patch valley flashing with flashing material and roofing cement						
	■ Sand metal flashing enough to brighten it						
	■ Cut a patch of flashing material that will extend 2" beyond damaged area of flashing						
■ Apply 1/8" coating of roofing cement to damage area and press patch to the cement							
■ Apply a top coat of roofing cement over and beyond patch							
1 patch	MIN	---	---	---	---	09.886	
Each additional patch more than 1 <b>ADD</b>	EA	---	---	---	---	09.887	

## 9. VENT PIPE COLLAR

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE VENT PIPE COLLAR	Replace vent pipe collar on roof with new galvanized steel shoe and rubber boot collar  <p style="text-align: center;"><b>Roofing Materials</b></p> Asphalt/fiberglass shingles  Wood shingles or shakes  Slate or clay tile						
		EA	---	---	---	---	09.895
		EA	---	---	---	---	09.896
		EA	---	---	---	---	09.897

## 9. ROOF VALLEY CLEANING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
ROOF VALLEY CLEANING	Remove debris from roof valley to trash receptacle while standing on a ladder or a roof						
	One story building, up to 20 LF cleaned	MIN	---	---	---	---	09.900
	Additional LF cleaned over 20 LF <b>ADD</b>	LF	---	---	---	---	09.901
	Two story building, up to 20 LF cleaned	MIN	---	---	---	---	09.902
	Additional LF cleaned over 20 LF <b>ADD</b>	LF	---	---	---	---	09.903
	Three story building, up to 20 LF cleaned	MIN	---	---	---	---	09.904
	Additional LF cleaned over 20 LF <b>ADD</b>	LF	---	---	---	---	09.905

## 9. GUTTER CLEANING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
GUTTER CLEANING FROM A LADDER	Remove debris from gutter to trash receptacle while standing on a ladder						
	One story building, up to 30 LF of cleaning	MIN	---	---	---	---	09.910
	Additional cleaning over 30 LF <b>ADD</b>	LF	---	---	---	---	09.911
	Two story building, up to 30 LF of cleaning	MIN	---	---	---	---	09.912
	Additional cleaning over 30 LF <b>ADD</b>	LF	---	---	---	---	09.913
	Three story building, up to 30 LF of cleaning	MIN	---	---	---	---	09.914
	Additional cleaning over 30 LF <b>ADD</b>	LF	---	---	---	---	09.915
GUTTER CLEANING FROM ROOF	Remove debris from gutter to trash receptacle while standing on a roof						
	One story building, up to 30 LF of cleaning	MIN	---	---	---	---	09.920
	Additional cleaning over 30 LF <b>ADD</b>	LF	---	---	---	---	09.921
	Two story building, up to 30 LF of cleaning	MIN	---	---	---	---	09.922
	Additional cleaning over 30 LF <b>ADD</b>	LF	---	---	---	---	09.923
	Three story building, up to 30 LF of cleaning	MIN	---	---	---	---	09.924
	Additional cleaning over 30 LF <b>ADD</b>	LF	---	---	---	---	09.925

## 9. DE-ICING CORD

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
DE-ICING CORD	Install 120 V de-icing cord on existing roof eave, gutter and downspout <ul style="list-style-type: none"> <li>■ Plug into existing electrical receptacle and run cord up to roof eave next to gutter and secure it</li> <li>■ Run cord down into gutter and up to eave 24" along the eave from start</li> <li>■ Run cord in zig-zag fashion along eave and into gutter and down through bottom of downspout</li> </ul>						
	Up to 30 LF of gutter and/or downspout	MIN	---	---	---	---	09.950
	Additional gutter/downspout over 30 LF <b>ADD</b>	LF	---	---	---	---	09.951
	LF = Total length of gutter and/or downspout						

## 9. ICE DAM BARRIER

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
ICE DAM BARRIER	Install ice dam barrier on existing roof <ul style="list-style-type: none"> <li>■ Erect staging below eaves</li> <li>■ Remove 48" of existing roofing material measuring from the eaves toward the ridge and save in good condition</li> <li>■ Clean roof deck surface of dust and debris particles</li> <li>■ Cut desired length of ice and water shield underlayment, remove polyfilm backing and apply to clean roof deck</li> <li>■ Reinstall roofing material which was removed</li> </ul> <p style="text-align: center;"><b>Existing Roofing Materials</b></p>						
	Asphalt/Fiberglass shingles, up to 36 SF	MIN	---	---	---	---	09.960
	Additional roofing over 36 SF <b>ADD</b>	SF	---	---	---	---	09.961
	Wood shingles or shakes, up to 36 SF	MIN	---	---	---	---	09.962
	Additional roofing over 36 SF <b>ADD</b>	SF	---	---	---	---	09.963
	Slate or concrete or clay tile, up to 36 SF	MIN	---	---	---	---	09.964
	Additional roofing over 36 SF <b>ADD</b>	SF	---	---	---	---	09.965
	SF = SF of ice shield underlayment applied						
	Before reinstallation of roofing materials, replace materials damaged when removed from roof						
	Asphalt/Fiberglass shingles @ \$36/SQ, up to 33 SF	MIN	---	---	---	---	09.971
	Additional roofing over 33 SF <b>ADD</b>	SF	---	---	---	---	09.972
	Wood shingles or shakes @ \$200/SQ, up to 25 SF	MIN	---	---	---	---	09.973
	Additional roofing over 25 SF <b>ADD</b>	SF	---	---	---	---	09.974
	Slate or clay tile @ \$500/SQ, up to 10 SF	MIN	---	---	---	---	09.975
	Additional roofing over 10 SF <b>ADD</b>	SF	---	---	---	---	09.976
	Concrete tile @ \$170/SQ, up to 10 SF	MIN	---	---	---	---	09.977
	Additional roofing over 10 SF <b>ADD</b>	SF	---	---	---	---	09.978

## 10. WOOD DECK POST

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
INSTALL POST ANCHOR	Install post anchor at base of existing post						
	<ul style="list-style-type: none"> <li>■ Shore deck floor supported by post</li> <li>■ Cut bottom of post as required for post anchor clearance</li> <li>■ Drill holes in pier, set galvanized wood post anchor and fasten post</li> <li>■ Remove shoring</li> </ul>						
	1 post anchor	MIN	---	---	---	---	10.001
	Additional post anchors over 1 <b>ADD</b>	EA	---	---	---	---	10.002
REPLACE WOOD POST	Replace damaged wood deck post						
	<ul style="list-style-type: none"> <li>■ Shore deck floor supported by existing post</li> <li>■ Remove existing post</li> <li>■ Install new solid wood post up to 8 feet in height</li> <li>■ Remove shoring</li> </ul>						
	One 4" x 4" P.T. fir or pine post	MIN	---	---	---	---	10.005
	Additional P.T. fir or pine post <b>ADD</b>	EA	---	---	---	---	10.006
	One 6" x 6" P.T. fir or pine post	MIN	---	---	---	---	10.007
	Additional P.T. fir or pine post <b>ADD</b>	EA	---	---	---	---	10.008
	One 4" x 4" Const.Gr.redwood post	MIN	---	---	---	---	10.009
	Additional redwood post <b>ADD</b>	EA	---	---	---	---	10.010
	One 6" x 6" Const.Gr.redwood post	MIN	---	---	---	---	10.011
	Additional redwood post <b>ADD</b>	EA	---	---	---	---	10.012
	One 4" x 4" Western red cedar post	MIN	---	---	---	---	10.013
	Additional red cedar post <b>ADD</b>	EA	---	---	---	---	10.014
	One 6" x 6" Western red cedar post	MIN	---	---	---	---	10.015
	Additional red cedar post <b>ADD</b>	EA	---	---	---	---	10.016

## 10. REPAIR DECK FRAMING

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
SISTER DECK JOISTS	Repair springy deck by sistering joist <ul style="list-style-type: none"> <li>■ Cut pressure treated lumber the same dimensions as existing joist to fit on same supports</li> <li>■ Hold new joist against existing joist and nail together with pairs of 10d galvanized common nails 24" OC</li> </ul>					
	Sister up to two 2" x 10" x 12'-0" joists Additional joists sistered over 2 <b>ADD</b>	MIN EA	---	---	---	---
DIAGONAL BRACING	To correct swaying deck, install diagonal bracing on existing deck posts <ul style="list-style-type: none"> <li>■ Cutting angle on 2" x 6", nail it to the top of one post or beam with 10d galvanized common nails and nail the bottom to an adjacent post</li> <li>■ Cut bottom of diagonal bracing flush with the side of the post</li> <li>■ If one diagonal brace does not correct the swaying, continue nailing on diagonal bracing until the defect is corrected</li> </ul>					
	Up to 2 diagonal braces Additional diagonal braces over 2 <b>ADD</b>	MIN EA	---	---	---	---
LOOSE DECK ON FRAMED WALL	Drive lag screws into band board of wood framed house to correct fastening failure <ul style="list-style-type: none"> <li>■ Drill pilot holes in ledger and drive 1/2" x 5" hex head galvanized lag screws, high and low, 16" OC through ledger and into band board of house</li> </ul>					
	Up to 4 lag screws Additional lag screws over 4 <b>ADD</b>	MIN EA	---	---	---	---
LOOSE DECK ON MASONRY WALL	Embed anchors or bolts in block or brick and block wall to correct fastening failure <ul style="list-style-type: none"> <li>■ Drill pilot holes in ledger and embed epoxy anchors or gravity toggle bolts through the brick and block wall, high and low, 16" OC</li> </ul>					
	Up to 4 anchors or bolts Additional anchors or bolts over 4 <b>ADD</b>	MIN EA	---	---	---	---
LOOSE DECK ON CONCRETE WALL	Embed expansion anchors in concrete wall to correct fastening failure <ul style="list-style-type: none"> <li>■ Drill pilot holes in ledger and embed expansion anchors in concrete wall, high and low, 16" OC</li> </ul>					
	Up to 4 anchors Additional anchors over 4 <b>ADD</b>	MIN EA	---	---	---	---

# 10. REPLACE PORCH POST OR COLUMN

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE PORCH POST OR COLUMN	Replace damaged porch post or column <ul style="list-style-type: none"> <li>■ Install temporary jack support and remove old post and attached railings</li> <li>■ Install new post or column</li> <li>■ Re-install railings and attach to new posts</li> <li>■ New post or column up to 8 feet high</li> </ul>						
	Built-up post, 4" x 4" fir, pine or spruce, with #2 pine or fir covering	EA	---	---	---	---	10.100
	Built-up post, 4" x 4" fir, pine or spruce, with STK cedar covering	EA	---	---	---	---	10.101
	4" x 4" post, #2 pine or fir	EA	---	---	---	---	10.102
	4" x 4" post, STK cedar	EA	---	---	---	---	10.103
	Turned colonial post, 4" x 4"	EA	---	---	---	---	10.104
	Turned colonial post, 5" x 5"	EA	---	---	---	---	10.105
	8" fir hollow round colonial portico column	EA	---	---	---	---	10.106
	10" fir hollow round colonial portico column	EA	---	---	---	---	10.107
	12" fir hollow round colonial portico column	EA	---	---	---	---	10.108
	8" aluminum round colonial portico column	EA	---	---	---	---	10.109
	10" aluminum round colonial portico column	EA	---	---	---	---	10.110
	12" aluminum round colonial portico column	EA	---	---	---	---	10.111

## 10. PORCH REPAIRS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE PORCH FLOORING	Replace existing porch flooring <ul style="list-style-type: none"> <li>■ Remove existing porch flooring</li> <li>■ Install new 3/4" T &amp; G fir or pine porch flooring</li> </ul> UP to 50 SF of flooring	MIN	---	---	---	---	10.150
	Additional flooring over 50 SF <b>ADD</b>	SF	---	---	---	---	10.151
PORCH FLOORING TOOTH-IN	Pine or fir porch flooring toothed in to existing flooring <p style="text-align: right;"><b>ADD</b></p> EA = Each toothed in joint	EA	---	---	---	---	10.155
REPLACE PORCH HEADER	Replace existing porch header <ul style="list-style-type: none"> <li>■ Shore structure over header</li> <li>■ Remove existing header</li> <li>■ Install new header built from 2" x 10" fir or pine covered with #2 pine or fir soffit and 2 fascias</li> <li>■ Attach to column below and structure above</li> <li>■ Remove shoring</li> </ul> Up to 4 LF of header	MIN	---	---	---	---	1 0.160
	Additional header over 4 LF <b>ADD</b>	LF	---	---	---	---	10.161
REPLACE WOOD PORCH RAILING	Replace existing wood porch railing <ul style="list-style-type: none"> <li>■ Remove existing railing</li> <li>■ Install new wood railing with 2" x 4" top rail, 2" x 4" bottom rail and 1-1/4" x 1-1/4" balusters</li> </ul> Up to 8 LF of railing	MIN	---	---	---	---	10.170
	Additional railing over 8 LF <b>ADD</b>	LF	---	---	---	---	10.171
REPLACE LATTICE	Replace wooden lattice sections, including removing existing sections and installing new sections, lattice mouldings and dividers						
	Treated pine 2' x 8'	EA	---	---	---	---	10.180
	4' x 8'	EA	---	---	---	---	10.181
	Heavy-duty treated pine 2' x 8'	EA	---	---	---	---	10.182
	4' x 8'	EA	---	---	---	---	10.183
	Cedar 2' x 8'	EA	---	---	---	---	10.184
	4' x 8'	EA	---	---	---	---	10.185
	Heavy-duty cedar 2' x 8'	EA	---	---	---	---	10.186
	4' x 8'	EA	---	---	---	---	10.187
	Plastic 2' x 8'	EA	---	---	---	---	10.188
4' x 8'	EA	---	---	---	---	10.189	

# 10. REPLACE WOOD FASCIA

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
#2 PINE, SPRUCE, FIR FASCIA	Replace existing fascia on one story building with new #2 pine, spruce or fir fascia						
	Up to 10 LF 1" x 6" fascia	MIN	---	---	---	---	10.200
	Additional fascia over 10 LF <b>ADD</b>	LF	---	---	---	---	10.201
	Up to 10 LF 1" x 8" fascia	MIN	---	---	---	---	10.202
	Additional fascia over 10 LF <b>ADD</b>	LF	---	---	---	---	10.203
	Up to 10 LF 1" x 10" fascia	MIN	---	---	---	---	10.204
	Additional fascia over 10 LF <b>ADD</b>	LF	---	---	---	---	10.205
	Up to 10 LF 1" x 12" fascia	MIN	---	---	---	---	10.206
	Additional fascia over 10 LF <b>ADD</b>	LF	---	---	---	---	10.207
D SELECT CEDAR FASCIA	Replace existing fascia on one story building with new D Select cedar fascia						
	Up to 10 LF 1" x 6" fascia	MIN	---	---	---	---	10.210
	Additional fascia over 10 LF <b>ADD</b>	LF	---	---	---	---	10.211
	Up to 10 LF 1" x 8" fascia	MIN	---	---	---	---	10.212
	Additional fascia over 10 LF <b>ADD</b>	LF	---	---	---	---	10.213
	Replace existing fascia on one story building with new STK cedar fascia						
	Up to 10 LF 1" x 6" fascia	MIN	---	---	---	---	10.220
	Additional fascia over 10 LF <b>ADD</b>	LF	---	---	---	---	10.221
	Up to 10 LF 1" x 8" fascia	MIN	---	---	---	---	10.222
	Additional fascia over 10 LF <b>ADD</b>	LF	---	---	---	---	10.223
TWO OR THREE STORY BUILDING	Replace fascia on two story building, add to one story labor costs shown above						
	UP to 10 LF of fascia	MIN	---	---	---	---	10.230
	Additional fascia over 10 LF <b>ADD</b>	LF	---	---	---	---	10.231
	Replace fascia on three story building, add to one story labor costs shown above						
	UP to 10 LF of fascia	MIN	---	---	---	---	10.235
	Additional fascia over 10 LF <b>ADD</b>	LF	---	---	---	---	10.236

## 10. REPLACE WOOD RAKE

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
#2 PINE, SPRUCE, FIR RAKE	Replace existing rake on one story building with new #2 pine, spruce or fir rake					
	Up to 10 LF 1" x 4" rake	MIN	---	---	---	10.250
	Additional rake over 10 LF <b>ADD</b>	LF	---	---	---	10.251
	Up to 10 LF 1" x 6" rake	MIN	---	---	---	10.252
	Additional rake over 10 LF <b>ADD</b>	LF	---	---	---	10.253
	Up to 10 LF 1" x 8" rake	MIN	---	---	---	10.254
	Additional rake over 10 LF <b>ADD</b>	LF	---	---	---	10.255
	Up to 10 LF 2" x 4" rake	MIN	---	---	---	10.256
	Additional rake over 10 LF <b>ADD</b>	LF	---	---	---	10.257
	Up to 10 LF 2" x 6" rake	MIN	---	---	---	10.258
Additional rake over 10 LF <b>ADD</b>	LF	---	---	---	10.259	
Up to 10 LF 2" x 8" rake	MIN	---	---	---	10.260	
Additional rake over 10 LF <b>ADD</b>	LF	---	---	---	10.261	
D SELECT CEDAR RAKE	Replace existing rake on one story building with new D Select cedar rake					
	Up to 10 LF 1" x 4" rake	MIN	---	---	---	10.270
	Additional rake over 10 LF <b>ADD</b>	LF	---	---	---	10.271
	Up to 10 LF 1" x 6" rake	MIN	---	---	---	10.272
	Additional rake over 10 LF <b>ADD</b>	LF	---	---	---	10.273
	Up to 10 LF 1" x 8" rake	MIN	---	---	---	10.274
Additional rake over 10 LF <b>ADD</b>	LF	---	---	---	10.275	
SKT CEDAR RAKE	Replace existing rake on one story building with new SKT cedar rake					
	Up to 10 LF 2" x 4" rake	MIN	---	---	---	10.280
	Additional rake over 10 LF <b>ADD</b>	LF	---	---	---	10.281
	Up to 10 LF 2" x 6" rake	MIN	---	---	---	10.282
	Additional rake over 10 LF <b>ADD</b>	LF	---	---	---	10.283
	Up to 10 LF 2 x 8" rake	MIN	---	---	---	10.284
Additional rake over 10 LF <b>ADD</b>	LF	---	---	---	10.285	
TWO OR THREE STORY BUILDING	Replace existing rake on two story building with new SKT cedar rake, add to one story labor costs					
	Up to 10 LF of rake <b>ADD</b>	MIN	---	---	---	10.290
	Additional rake over 10 LF <b>ADD</b>	LF	---	---	---	10.291
	Replace existing rake on three story building add to one story labor costs					
	Up to 10 LF of rake <b>ADD</b>	MIN	---	---	---	10.295
	Additional rake over 10 LF <b>ADD</b>	LF	---	---	---	10.296

# 10. REPLACE WOOD SOFFIT

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE SOFFIT ON ONE STORY BUILDING	Remove existing soffit on one story building and replace with #2 pine, spruce, fir or plywood soffit <ul style="list-style-type: none"> <li>■ Remove existing wood soffit beyond point where defective soffit is to be replaced</li> <li>■ Cut off defective section from removed soffit</li> <li>■ Install new soffit and remainder of existing soffit</li> </ul>						
	<b>#2 spruce, pine or fir</b>						
	Up to 10 LF 1" x 6" soffit	MIN	---	---	---	---	10.300
	Additional soffit over 10 LF <b>ADD</b>	LF	---	---	---	---	10.301
	Up to 10 LF 1" x 8" soffit	MIN	---	---	---	---	10.302
	Additional soffit over 10 LF <b>ADD</b>	LF	---	---	---	---	10.303
	Up to 10 LF 1" x 10" soffit	MIN	---	---	---	---	10.304
	Additional soffit over 10 LF <b>ADD</b>	LF	---	---	---	---	10.305
	Up to 10 LF 1" x 12" soffit	MIN	---	---	---	---	10.306
	Additional soffit over 10 LF <b>ADD</b>	LF	---	---	---	---	10.307
	<b>3/8" AC Exterior Grade Fir Plywood</b>	MIN	---	---	---	---	10.310
	Up to 10 LF 12" soffit						
	Additional soffit over 10 LF <b>ADD</b>	LF	---	---	---	---	10.311
	Up to 10 LF 16" soffit	MIN	---	---	---	---	10.312
	Additional soffit over 10 LF <b>ADD</b>	LF	---	---	---	---	10.313
	Up to 10 LF 24" soffit	MIN	---	---	---	---	10.314
	Additional soffit over 10 LF <b>ADD</b>	LF	---	---	---	---	10.315
	<b>3/8" AC Exterior Grade Cedar Plywood</b>	MIN	---	---	---	---	10.320
	Up to 10 LF 12" soffit						
	Additional soffit over 10 LF <b>ADD</b>	LF	---	---	---	---	10.321
Up to 10 LF 16" soffit	MIN	---	---	---	---	10.322	
Additional soffit over 10 LF <b>ADD</b>	LF	---	---	---	---	10.323	
Up to 10 LF 24" soffit	MIN	---	---	---	---	10.451	
Additional soffit over 10 LF <b>ADD</b>	LF	---	---	---	---	10.452	
TWO OR THREE STORY BUILDING	Replace soffit on two story building, add to one story labor costs above						
	Up to 10 LF of soffit	MIN	---	---	---	---	10.455
	Additional soffit over 10 LF <b>ADD</b>	LF	---	---	---	---	10.456
	Replace soffit on three story building, add to one story labor costs above						
	Up to 10 LF of soffit	MIN	---	---	---	---	10.457
	Additional soffit over 10 LF <b>ADD</b>	LF	---	---	---	---	10.458

## 10. COVER WOOD SOFFIT WITH ALUMINUM OR VINYL

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
ALUMINUM SOFFIT PANEL	Cover existing wood soffit on one story building and replace with new aluminum soffit panels, including "F" or "J" channel and blocking for panel attachment					
Up to 10 LF 12" soffit panel	MIN	---	---	---	---	10.440
Additional soffit panel over 10 LF <b>ADD</b>	LF	---	---	---	---	10.441
Up to 10 LF 18" soffit panel	MIN	---	---	---	---	10.442
Additional soffit panel over 10 LF <b>ADD</b>	LF	---	---	---	---	10.443
Up to 10 LF 24" soffit panel	MIN	---	---	---	---	10.444
Additional soffit panel over 10 LF <b>ADD</b>	LF	---	---	---	---	10.445
VINYL SOFFIT PANEL	Cover existing wood soffit on one story building and replace with new vinyl soffit panels, including "F" or "J" channel and blocking for panel attachment					
Up to 10 LF 12" soffit panel	MIN	---	---	---	---	10.447
Additional soffit panel over 10 LF <b>ADD</b>	LF	---	---	---	---	10.448
Up to 10 LF 18" soffit panel	MIN	---	---	---	---	10.449
Additional soffit panel over 10 LF <b>ADD</b>	LF	---	---	---	---	10.450
Up to 10 LF 24" soffit panel	MIN	---	---	---	---	10.451
Additional soffit panel over 10 LF <b>ADD</b>	LF	---	---	---	---	10.452
TWO OR THREE STORY BUILDING	Cover soffit on two story building, add to one story labor costs shown above					
Up to 10 LF of soffit panel	MIN	---	---	---	---	10.455
Additional soffit over 10 LF <b>ADD</b>	LF	---	---	---	---	10.456
Cover soffit on three story building, add to one story labor costs shown above						
Up to 10 LF of soffit panel	MIN	---	---	---	---	10.457
Additional soffit over 10 LF <b>ADD</b>	LF	---	---	---	---	10.458

## 10. REPLACE WOOD SOFFIT WITH ALUMINUM OR VINYL

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
ALUMINUM SOFFIT PANEL	Remove existing wood soffit on one story building and replace with new aluminum soffit panels, including "F" or "J" channel and blocking for panel attachment						
	Up to 10 LF 12" soffit panel	MIN	---	---	---	---	10.460
	Additional soffit panel over 10 LF <b>ADD</b>	LF	---	---	---	---	10.461
	Up to 10 LF 18" soffit panel	MIN	---	---	---	---	10.462
	Additional soffit panel over 10 LF <b>ADD</b>	LF	---	---	---	---	10.463
	Up to 10 LF 24" soffit panel	MIN	---	---	---	---	10.464
	Additional soffit panel over 10 LF <b>ADD</b>	LF	---	---	---	---	10.465
VINYL SOFFIT PANEL	Remove existing wood soffit on one story building and replace with new vinyl soffit panels, including "F" or "J" channel and blocking for panel attachment						
	Up to 10 LF 12" soffit panel	MIN	---	---	---	---	10.464
	Additional soffit panel over 10 LF <b>ADD</b>	LF	---	---	---	---	10.465
	Up to 10 LF 18" soffit panel	MIN	---	---	---	---	10.469
	Additional soffit panel over 10 LF <b>ADD</b>	LF	---	---	---	---	10.470
	Up to 10 LF 24" soffit panel	MIN	---	---	---	---	10.471
	Additional soffit panel over 10 LF <b>ADD</b>	LF	---	---	---	---	10.472
TWO OR THREE STORY BUILDING	Replace soffit on two story building, add to one story labor costs shown above						
	Up to 10 LF of soffit panel	MIN	---	---	---	---	10.475
	Additional soffit over 10 LF <b>ADD</b>	LF	---	---	---	---	10.476
	Replace soffit on three story building, add to one story labor costs shown above						
Up to 10 LF of soffit panel	MIN	---	---	---	---	10.477	
Additional soffit over 10 LF <b>ADD</b>	LF	---	---	---	---	10.478	

## 10. REPLACE ALUMINUM OR VINYL SOFFIT

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
ALUMINUM SOFFIT PANEL	Remove existing aluminum or vinyl soffit on one story building and replace with new aluminum soffit panels						
	Up to 10 LF 12" soffit panel	MIN	---	---	---	---	10.481
	Additional soffit panel over 10 LF <b>ADD</b>	LF	---	---	---	---	10.482
	Up to 10 LF 18" soffit panel	MIN	---	---	---	---	10.483
	Additional soffit panel over 10 LF <b>ADD</b>	LF	---	---	---	---	10.484
	Up to 10 LF 24" soffit panel	MIN	---	---	---	---	10.485
	Additional soffit panel over 10 LF <b>ADD</b>	LF	---	---	---	---	10.486
VINYL SOFFIT PANEL	Remove existing aluminum or vinyl soffit on one story building and replace with new vinyl soffit panels						
	Up to 10 LF 12" soffit panel	MIN	---	---	---	---	10.490
	Additional soffit panel over 10 LF <b>ADD</b>	LF	---	---	---	---	10.491
	Up to 10 LF 18" soffit panel	MIN	---	---	---	---	10.492
	Additional soffit panel over 10 LF <b>ADD</b>	LF	---	---	---	---	10.493
	Up to 10 LF 24" soffit panel	MIN	---	---	---	---	10.494
	Additional soffit panel over 10 LF <b>ADD</b>	LF	---	---	---	---	10.495
TWO OR THREE STORY BUILDING	Replace soffit on two story building, add to one story labor costs shown above						
	Up to 10 LF of soffit panel	MIN	---	---	---	---	10.496
	Additional soffit over 10 LF <b>ADD</b>	LF	---	---	---	---	10.497
	Replace soffit on three story building, add to one story labor costs shown above						
Up to 10 LF of soffit panel	MIN	---	---	---	---	10.498	
Additional soffit over 10 LF <b>ADD</b>	LF	---	---	---	---	10.499	

# 10. WOOD FRAMED ACCESS RAMP

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
<b>CONCRETE PIERS</b> Install concrete pier footings for 48" wide access ramp from grade to level entrance platform <ul style="list-style-type: none"> <li>■ Dig out to below frost line for 12" round concrete piers 12'-0" OC along ramp</li> <li>■ Pour concrete to grade or slightly above to support stringers at desired slope</li> </ul>	Bottom of footing below grade 12"	EA	---	---	---	10.501
	24"	EA	---	---	---	10.502
	36"	EA	---	---	---	10.503
	48"	EA	---	---	---	10.504
	EA = Each pier footing					
<b>ACCESS RAMP</b> Build 48" wide access ramp on existing concrete pier footing with maximum of 5% (1 in 20) slope from grade to level entrance platform <ul style="list-style-type: none"> <li>■ 6" x 6" pressure treated posts over concrete piers</li> <li>■ Four 2" x 10" pressure treated stringers on 6" x 8" beam over posts, sloping maximum of 5% (1 in 20), bolted to top of existing level entrance platform</li> <li>■ 2" x 6" wood deck applied flat on stringers</li> <li>■ 2" x 8" wood curb attached to both sides of ramp to avoid wheel hazard</li> </ul>						
	<b>Pressure treated fir or pine surface</b> Up to 12 LF long access ramp	MIN	---	---	---	10.510
	Additional LF ramp over 12 LF <b>ADD</b>	LF	---	---	---	10.511
	<b>Western red cedar deck surface</b> Up to 12 LF long access ramp	MIN	---	---	---	10.512
	Additional LF ramp over 12 LF <b>ADD</b>	LF	---	---	---	10.513
<b>LANDING PLATFORM</b> Build landing platform for access ramp above existing 12" round concrete piers to grade <ul style="list-style-type: none"> <li>■ 6" x 6" pressure treated post</li> <li>■ 2 double 2" x 8" beams and 2" x 8" joists</li> <li>■ 2" x 6" wood deck applied flat on joists and 2" x 8" wood curb</li> <li>■ Deck size either 5'-0" x 5'-0" or 5'-0" x 8'-0"</li> </ul>						
	Pressure treated fir or pine surface	EA	---	---	---	10.520
	Western red cedar surface	EA	---	---	---	10.521
EA = Complete job						

## 10. ACCESS RAMP HANDRAILS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
IRON RAILING	1-rail 1-1/4" galvanized pipe railing on 1 side of ramp 34" above surface on round pipe posts set on surface not over 60" OC and extending 12" beyond top and bottom of ramp  LF = Length of railing	LF	---	---	---	---	10.530
	2-rail 1-1/4" galvanized pipe railing on 1 side of ramp 34" above surface on round pipe posts set on surface with bottom rail 12" from ramp surface and extending 12" beyond top and bottom of ramp  LF = Length of railing	LF	---	---	---	---	10.531
	1-rail 1-1/2" pipe railing on existing building next to ramp set with 1-1/2" space between wall and railing,  top of railing 34" above ramp surface and extending 12" beyond top and bottom of ramp  LF - Length of railing	LF	---	---	---	---	10.532
WOOD RAMP RAILING	Wood ramp railing 34" above ramp <ul style="list-style-type: none"> <li>■ 4" x 4" end and intermediate posts, 48" OC</li> <li>■ 2" x 6" or 5/4" x 6" cap laid flat</li> <li>■ 2" x 4" top and bottom rails set upright between posts</li> <li>■ 2" x 2" pickets fastened to outside of rails 5" OC</li> </ul>						
	Pressure treated fir or pine	LF	---	---	---	---	10.535
	Western red cedar	LF	---	---	---	---	10.536
	LF = Length of railing						

# 11. REPLACE DAMAGED CLAPBOARD SIDING

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
<b>REPLACE CLAPBOARD SIDING</b> Replace damaged clapboard siding with new siding board <ul style="list-style-type: none"> <li>■ Mark each end of damaged siding board at center of wall stud where the board will be cut out</li> <li>■ Drive wedge under damaged board outside each marked end to keep it raised above the board below</li> <li>■ Cut the board with a backsaw along the cutting lines and finish the cuts with a chisel</li> <li>■ Remove the damaged board, cut out with a hacksaw any nails in board above the removed board which will interfere with the replacement board and repair the building paper under if torn</li> <li>■ Cut replacement board to required length and drive it into position</li> <li>■ Face nail the replacement board, countersink the nails and putty the nailholes</li> </ul>						
<b>Cedar (A &amp; Btr)</b>						
Up to 10 LF of 1/2" x 4" siding board	MIN	---	---	---	---	11.000
Additional siding board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.001
Up to 10 LF of 1/2" x 6" siding board	MIN	---	---	---	---	11.002
Additional siding board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.003
Up to 10 LF of 1/2" x 8" siding board	MIN	---	---	---	---	11.004
Additional siding board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.005
Up to 10 LF of 3/4" x 8" siding board	MIN	---	---	---	---	11.006
Additional siding board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.007
Up to 10 LF of 3/4" x 10" siding board	MIN	---	---	---	---	11.008
Additional siding board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.009
<b>Redwood (Clear)</b>						
Up to 10 LF of 1/2" x 4" siding board	MIN	---	---	---	---	11.010
Additional siding board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.011
Up to 10 LF of 1/2" x 6" siding board	MIN	---	---	---	---	110.12
Additional siding board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.013
Up to 10 LF of 1/2" x 8" siding board	MIN	---	---	---	---	11.014
Additional siding board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.015
Up to 10 LF of 3/4" x 8" siding board	MIN	---	---	---	---	11.016
Additional siding board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.017
Up to 10 LF of 3/4" x 10" siding board	MIN	---	---	---	---	11.018
Additional siding board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.019

## 11. REPLACE WOOD CORNER BOARD

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
<b>REPLACE WOOD CORNER BOARD</b>  Replace damaged wood corner board with new corner board <ul style="list-style-type: none"> <li>■ Cut caulking where siding butts against one side of corner board</li> <li>■ Remove nails securing damaged corner board to building</li> <li>■ Pry damaged corner board loose from intact corner board</li> <li>■ Measure and cut new corner board</li> <li>■ Install new side of corner board and nail it to building and to intact corner board</li> <li>■ Re-caulk where siding meets replaced piece</li> <li>■ No painting or staining</li> </ul>						
<b>Fir or Pine (Clear)</b>						
Up to 10 LF of 1" x 4" corner board	MIN	---	---	---	---	11.050
Additional corner board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.051
Up to 10 LF of 1" x 6" corner board	MIN	---	---	---	---	11.052
Additional corner board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.053
Up to 10 LF of 5/4" x 4" corner board	MIN	---	---	---	---	11.054
Additional corner board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.055
Up to 10 LF of 5/4" x 6" corner board	MIN	---	---	---	---	11.056
Additional corner board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.057
<b>Cedar (A &amp; Btr)</b>						
Up to 10 LF of 1" x 4" corner board	MIN	---	---	---	---	11.060
Additional corner board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.061
Up to 10 LF of 1" x 6" corner board	MIN	---	---	---	---	11.062
Additional corner board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.063
Up to 10 LF of 5/4" x 4" corner board	MIN	---	---	---	---	11.064
Additional corner board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.065
Up to 10 LF of 5/4" x 6" corner board	MIN	---	---	---	---	11.066
Additional corner board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.067
<b>Redwood (Clear)</b>						
Up to 10 LF of 1" x 4" corner board	MIN	---	---	---	---	11.070
Additional corner board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.071
Up to 10 LF of 1" x 6" corner board	MIN	---	---	---	---	11.072
Additional corner board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.073
Up to 10 LF of 5/4" x 4" corner board	MIN	---	---	---	---	11.074
Additional corner board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.075
Up to 10 LF of 5/4" x 6" corner board	MIN	---	---	---	---	11.076
Additional corner board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.077

# 11. REPLACE T & G SIDING

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
<b>REPLACE TONGUE AND GROOVE SIDING</b> Replace damaged tongue and groove siding section with new tongue and groove board <ul style="list-style-type: none"> <li>■ Mark each end of damaged siding board at center of wall stud, cut with electric saw and finish the cuts with a chisel</li> <li>■ Make horizontal cut in center of damaged board and finish the cut with a chisel</li> <li>■ Remove the damaged section of board and repair the building paper under if torn</li> <li>■ Remove nails which fastened damaged section of siding board being replaced</li> <li>■ Cut replacement board to length of removed section and cut off the backside of the groove at the bottom of the board</li> <li>■ Slide the board into place, face nail the board, countersink the nails and putty the nailholes</li> </ul>						
<b>Fir or Pine</b>						
Up to 10 LF of 1" x 4" siding board	MIN	---	---	---	---	11.100
Additional siding board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.101
Up to 10 LF of 1" x 6" siding board	MIN	---	---	---	---	11.102
Additional siding board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.103
Up to 10 LF of 1" x 8" siding board	MIN	---	---	---	---	11.104
Additional siding board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.105
Up to 10 LF of 1" x 10" siding board	MIN	---	---	---	---	11.106
Additional siding board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.107
<b>Cedar (A &amp; Btr)</b>						
Up to 10 LF of 1" x 4" siding	MIN	---	---	---	---	11.110
Additional siding board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.111
Up to 10 LF of 1" x 6" siding	MIN	---	---	---	---	11.112
Additional siding board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.113
Up to 10 LF of 1" x 8" siding	MIN	---	---	---	---	11.114
Additional siding board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.115
Up to 10 LF of 1" x 10" siding	MIN	---	---	---	---	11.116
Additional siding board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.117
<b>Redwood (Clear)</b>						
Up to 10 LF of 1" x 4" siding	MIN	---	---	---	---	11.120
Additional siding board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.121
Up to 10 LF of 1" x 6" siding	MIN	---	---	---	---	11.122
Additional siding board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.123
Up to 10 LF of 1" x 8" siding	MIN	---	---	---	---	11.124
Additional siding board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.125
Up to 10 LF of 1" x 10" siding	MIN	---	---	---	---	11.126
Additional siding board over 10 LF <b>ADD</b>	LF	---	---	---	---	11.127

## 11. REPLACE ALUMINUM OR VINYL SIDING PANEL

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE ALUMINUM SIDING PANEL	Replace damaged aluminum siding panel with new aluminum panel <ul style="list-style-type: none"> <li>■ Cut horizontally through the center of the damaged panel with a utility knife</li> <li>■ Make a vertical cut at each end of the damaged panel and remove the bottom section below the horizontal cut</li> <li>■ Cut new panel to replace the damaged panel 2 inches longer than the damaged panel</li> <li>■ Cut off the nailing strip of the replacement panel</li> <li>■ Apply roofing cement along the center of the remaining top half of the damaged panel</li> <li>■ Tuck the new panel under the lock lip of the panel below and slide it up under the lock lip of the panel above, overlapping the siding on each side by 1 inch</li> <li>■ Press firmly on the replacement panel to cement it to the remaining top half of the damaged panel</li> </ul>						
	Up to 10 LF of siding panel	MIN	---	---	---	---	11.152
	Additional siding panel over 10 LF <b>ADD</b>	LF	---	---	---	---	11.153
REPLACE VINYL SIDING PANEL	Replace damaged vinyl siding panel with new vinyl panel <ul style="list-style-type: none"> <li>■ Using a zipper tool, unlock the panel above the damaged panel, lift it away from the wall and remove the nails securing the damaged panel to the wall</li> <li>■ Make vertical cut with tin snips at each end of the damaged panel and remove it</li> <li>■ Cut the replacement panel 2 inches longer than the removed damaged section</li> <li>■ Slide the replacement panel into place overlapping the panels on each side 1 inch and nail it to the sheathing through the nailing flange</li> <li>■ Snap the bottom edge of the panel above into the top edge of the replacement panel with the zipper tool</li> </ul>						
	Up to 10 LF of siding panel	MIN	---	---	---	---	11.160
	Additional siding panel over 10 LF <b>ADD</b>	LF	---	---	---	---	11.161

# 11. REPLACE WATER TABLE

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE TWO-PIECE WATER TABLE	Replace water table drip cap moulding and water table board <ul style="list-style-type: none"> <li>■ Mark each end of damaged water table cap and board</li> <li>■ Drive wedge from below under both water table board and cap</li> <li>■ Cut the water table board and cap along the cutting marks and finish the cutting with a chisel</li> <li>■ Remove the damaged board and cap and remove any remaining nails</li> <li>■ Cut replacement board and cap to required length and install drip moulding and water table board below</li> <li>■ Nail, countersink and putty replacement water table cap and board</li> <li>■ Drip cap moulding 3/4" x 1-5/8"</li> </ul>						
	<b>Fir or Pine (Paint grade)</b>						
	Up to 10 LF 1" x 4" water table	MIN	---	---	---	---	11.171
	Additional water table over 10 LF <b>ADD</b>	LF	---	---	---	---	11.172
	Up to 10 LF 1" x 6" water table	MIN	---	---	---	---	11.173
	Additional water table over 10 LF <b>ADD</b>	LF	---	---	---	---	11.174
	<b>Cedar (A &amp; Btr)</b>						
	Up to 10 LF 1" x 4" water table	MIN	---	---	---	---	11.180
	Additional water table over 10 LF <b>ADD</b>	LF	---	---	---	---	11.181
	Up to 10 LF 1" x 6" water table	MIN	---	---	---	---	11.182
	Additional water table over 10 LF <b>ADD</b>	LF	---	---	---	---	11.183
	<b>Redwood (Clear)</b>						
	Up to 10 LF 1" x 4" water table	MIN	---	---	---	---	11.190
	Additional water table over 10 LF <b>ADD</b>	LF	---	---	---	---	11.191
	Up to 10 LF 1" x 6" water table	MIN	---	---	---	---	11.192
Additional water table over 10 LF <b>ADD</b>	LF	---	---	---	---	11.193	

## 11. REPLACE EXTERIOR CASING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE EXTERIOR DOOR OR WINDOW CASING OR BRICK MOULD	Replace damaged wood casing from one side of a door or window <ul style="list-style-type: none"> <li>■ Cut caulking where siding butts against one side of door or window casing or brick mould</li> <li>■ Remove nails securing damaged casing or brick mould and pry it loose from door or window</li> <li>■ Remove all remaining nails, caulking or paint</li> <li>■ Measure, cut and fit new casing or brick mould side and nail it to door or window</li> <li>■ Caulk where siding and door or window meet the replaced piece of casing or brick mould</li> <li>■ No painting or staining</li> </ul>						
	<b>Brick mould</b>						
	Up to 7 LF 1-1/4" x 2" brick mould	MIN	---	---	---	---	11.200
	Additional brick mould over 7 LF <b>ADD</b>	LF	---	---	---	---	11.201
	<b><i>Fir or Pine Casing (Clear)</i></b>						
	Up to 7 LF 1" x 4" casing	MIN	---	---	---	---	11.210
	Additional casing over 7 LF <b>ADD</b>	LF	---	---	---	---	11.211
	Up to 7 LF 1" x 6" casing	MIN	---	---	---	---	11.212
	Additional casing over 7 LF <b>ADD</b>	LF	---	---	---	---	11.213
	Up to 7 LF 5/4" x 4" casing	MIN	---	---	---	---	11.214
	Additional casing over 7 LF <b>ADD</b>	LF	---	---	---	---	11.215
	Up to 7 LF 5/4" x 6" casing	MIN	---	---	---	---	11.216
	Additional casing over 7 LF <b>ADD</b>	LF	---	---	---	---	11.217
	<b>Cedar Casing (A &amp; Btr)</b>						
	Up to 7 LF 1" x 4" casing	MIN	---	---	---	---	11.220
	Additional casing over 7 LF <b>ADD</b>	LF	---	---	---	---	11.221
	Up to 7 LF 1" x 6" casing	MIN	---	---	---	---	11.222
	Additional casing over 7 LF <b>ADD</b>	LF	---	---	---	---	11.223
	Up to 7 LF 5/4" x 4" casing	MIN	---	---	---	---	11.224
	Additional casing over 7 LF <b>ADD</b>	LF	---	---	---	---	11.225
	Up to 7 LF 5/4" x 6" casing	MIN	---	---	---	---	11.226
	Additional casing over 7 LF <b>ADD</b>	LF	---	---	---	---	11.227
	<b>Redwood Casing (Clear)</b>						
	Up to 7 LF 1" x 4" casing	MIN	---	---	---	---	11.230
	Additional casing over 7 LF <b>ADD</b>	LF	---	---	---	---	11.231
	Up to 7 LF 1" x 6" casing	MIN	---	---	---	---	11.232
	Additional casing over 7 LF <b>ADD</b>	LF	---	---	---	---	11.233
	Up to 7 LF 5/4" x 4" casing	MIN	---	---	---	---	11.234
	Additional casing over 7 LF <b>ADD</b>	LF	---	---	---	---	11.235
	Up to 7 LF 5/4" x 6" casing	MIN	---	---	---	---	11.236
	Additional casing over 7 LF <b>ADD</b>	LF	---	---	---	---	11.237

## 12. WOOD ENTRANCE DOORS, FIELD HUNG

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
ENTRANCE DOORS, WOOD	<p><b>All door frames, brick mouldings, stops and casings shown on these pages for entrance doors are fingerjoint unless otherwise stated.</b></p> <p><b>For door trim details and accessories different from the specifications shown here, turn to the appropriate following pages and add.</b></p>					
	<ul style="list-style-type: none"> <li>■ 1-3/4" thick</li> <li>■ 1-5/16" x 2" exterior brick moulding and wood frame</li> <li>■ 1-1/2 pair 4" x 4" butts</li> <li>■ Entrance lock @ \$25</li> <li>■ Deadbolt lock @ \$20</li> <li>■ Oak or aluminum sill and weatherstripping</li> <li>■ 2-1/4" Interior casings</li> </ul>					
	<b>Flush Birch</b>					
	Particle core 2-8 x 6-8	EA	---	---	---	12.001
	3-0 x 6-8	EA	---	---	---	12.002
	3-0 x 7-0	EA	---	---	---	12.003
	Lumber core 2-8 x 6-8	EA	---	---	---	12.004
	3-0 x 6-8	EA	---	---	---	12.005
	3-0 x 7-0	EA	---	---	---	12.006
	<b>Colonial 6 Panel</b>					
	Fir 3-0 x 6-8	EA	---	---	---	12.007
	3-0 x 7-0	EA	---	---	---	12.008
	Pine 3-0 x 6-8	EA	---	---	---	12.009
	3-0 x 7-0	EA	---	---	---	12.010
	Oak 3-0 x 6-8	EA	---	---	---	12.011
	3-0 x 7-0	EA	---	---	---	12.012
DOUBLE DOORS	<ul style="list-style-type: none"> <li>■ 1-3/4" thick</li> <li>■ 1-5/16" x 2" exterior brick moulding and wood frame</li> <li>■ 3 pair 4" x 4" butts</li> <li>■ Entrance lock @ \$25</li> <li>■ 1 pair matching dummyknobs @ \$25</li> <li>■ Deadbolt lock @ \$20</li> <li>■ 2 mortise bolts</li> <li>■ T-astragal</li> <li>■ Oak or aluminum sill and weatherstripping</li> <li>■ 2-1/4" interior casings</li> <li>■ Two 3-0 x 6-8 doors per opening</li> </ul>					
	Birch particle core	EA	---	---	---	12.015
	Birch lumber core	EA	---	---	---	12.016
	Fir 6 panel	EA	---	---	---	12.017
	Pine 6 panel	EA	---	---	---	12.018
	Oak 6 panel	EA	---	---	---	12.019
SIDE OR REAR DOOR	Fir 3-panel 4-light door with same trim and accessories as single doors above, 2-8 x 6-8 or 3-0 x 6-8	EA	---	---	---	12.020

## 12. PRE-HUNG WOOD ENTRANCE DOORS

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
<b>ENTRANCE DOORS, WOOD</b> <ul style="list-style-type: none"> <li>■ 1-3/4" thick</li> <li>■ 1-5/16" x 2" exterior brick moulding and wood frame</li> <li>■ 1-1/2" pair 4" x 4" butts</li> <li>■ Entrance lock @ \$25</li> <li>■ Deadbolt lock @ \$20</li> <li>■ Oak or aluminum sill and weatherstripping</li> </ul>						
<b>Flush Birch</b>						
Particle core 2-8 x 6-8	EA	---	---	---	---	12.030
3-0 x 6-8	EA	---	---	---	---	12.031
3-0 x 7-0	EA	---	---	---	---	12.032
<b>Colonial 6 Panel</b>						
Fir 3-0 x 6-8	EA	---	---	---	---	12.033
3-0 x 7-0	EA	---	---	---	---	12.034
Pine 3-0 x 6-8	EA	---	---	---	---	12.035
3-0 x 7-0	EA	---	---	---	---	12.036
Oak 3-0 x 6-8	EA	---	---	---	---	12.037
3-0 x 7-0	EA	---	---	---	---	12.038
<b>3 Panel 4 Lights</b>						
Fir 2-8 x 6-8	EA	---	---	---	---	12.039
3-0 x 6-8	EA	---	---	---	---	12.040
<b>DOUBLE DOORS</b> <p>Install doors in framed out opening</p> <ul style="list-style-type: none"> <li>■ 1-3/4" thick</li> <li>■ 1-5/16" x 2" exterior brick moulding and wood frame</li> <li>■ 3 pair 4" x 4" butts</li> <li>■ Entrance lock @ \$25</li> <li>■ Deadbolt lock @ \$20</li> <li>■ Oak or aluminum sill and weatherstripping</li> <li>■ T-astragal</li> <li>■ 2 mortise bolts</li> </ul>						
<b>Flush Birch</b>						
Particle core 6-0 x 6-8	EA	---	---	---	---	12.042
6-0 x 7-0	EA	---	---	---	---	12.043
<b>Colonial 6 Panel</b>						
Fir 6-0 x 6-8	EA	---	---	---	---	12.044
6-0 x 7-0	EA	---	---	---	---	12.045
Pine 6-0 x 6-8	EA	---	---	---	---	12.046
6-0 x 7-0	EA	---	---	---	---	12.047
Oak 6-0 x 6-8	EA	---	---	---	---	12.048
6-0 x 6-8	EA	---	---	---	---	12.049

## 12. PRE-HUNG METAL ENTRANCE DOORS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
ENTRANCE DOORS, METAL	<ul style="list-style-type: none"> <li>■ Foam core, steel clad, 1-3/4" thick</li> <li>■ Exterior wood frame</li> <li>■ 1-5/16" x 2" exterior brick moulding</li> <li>■ 1-1/2 pair 4" x 4" butts</li> <li>■ Aluminum sill, magnetic weatherstripping</li> <li>■ 2-1/4" interior casings</li> <li>■ Entrance lock @ \$25</li> <li>■ Single cylinder deadbolt @ \$20</li> </ul>						
	Flush 2-8 x 6-8	EA	---	---	---	---	12.050
	3-0 x 6-8	EA	---	---	---	---	12.051
	6 panel 2-8 x 6-8	EA	---	---	---	---	12.052
	3-0 x 6-8	EA	---	---	---	---	12.053
	2 lights, 4 panel with insulated glass						
	2-8 x 6-8	EA	---	---	---	---	12.054
	3-0 x 6-8	EA	---	---	---	---	12.055
	1 light, 2 panel with insulated glass						
	2-8 x 6-8	EA	---	---	---	---	12.056
	3-0 x 6-8	EA	---	---	---	---	12.057
	Fan light, 4 panel with insulated glass						
	2-8 x 6-8	EA	---	---	---	---	12.058
	3-0 x 6-8	EA	---	---	---	---	12.059
	FIRECODE	<ul style="list-style-type: none"> <li>■ 90 minute steel door and frame assembly</li> <li>■ "B" label rating</li> <li>■ 6 panel</li> </ul>					
2-8 x 6-8		EA	---	---	---	---	12.060
3-0 x 6-8		EA	---	---	---	---	12.061

## 12. FRENCH AND DUTCH DOORS, FIELD HUNG

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.	
			MATLS	LABOR	TOTAL			
FRENCH DOORS	<ul style="list-style-type: none"> <li>■ 1-3/4" thick fir, insulated glass</li> <li>■ 1-5/16" x 2" exterior brick moulding and wood frame</li> <li>■ 1-1/2 pair 4" x 4" butts</li> <li>■ Entrance lock @ \$25</li> <li>■ Deadbolt lock @ \$20</li> <li>■ Oak or aluminum sill and weatherstripping</li> <li>■ 2-1/4" interior casings</li> <li>■ 15 light grille</li> </ul>	2-6 x 6-8	EA	---	---	---	---	12.070
		2-8 x 6-8	EA	---	---	---	---	12.071
		3-0 x 6-8	EA	---	---	---	---	12.072
DOUBLE FRENCH DOORS	<ul style="list-style-type: none"> <li>■ 1-3/4" thick fir, insulated glass</li> <li>■ 1-5/16" x 2" exterior brick moulding and wood frame</li> <li>■ 3 pair 4" x 4" butts</li> <li>■ Entrance lock @ \$25</li> <li>■ 1 pair matching dummy knobs @ \$25</li> <li>■ Deadbolt lock @ \$20</li> <li>■ 2 mortise bolts</li> <li>■ T-astragal</li> <li>■ Oak or aluminum sill and weatherstripping</li> <li>■ 2-1/4" interior casings</li> <li>■ 15 light grilles</li> </ul>	5-0 x 6-8	EA	---	---	---	---	12.080
		5-4 x 6-8	EA	---	---	---	---	12.081
		6-0 x 6-8	EA	---	---	---	---	12.082
DUTCH DOORS	<ul style="list-style-type: none"> <li>■ Fir</li> <li>■ 1-5/16" x 2" exterior brick moulding and wood frame</li> <li>■ 2 pair 4" x 4" butts</li> <li>■ Entrance lock @ \$25</li> <li>■ Deadbolt lock @ \$20</li> <li>■ Dutch door quadrant</li> <li>■ Oak or aluminum sill and weatherstripping</li> <li>■ 2-1/4" interior casings</li> <li>■ 9 light grille</li> </ul>	<b>2 Panel</b>						
		2-8 x 6-8	EA	---	---	---	---	12.090
		3-0 x 6-8	EA	---	---	---	---	12.091
		<b>Crossback Style</b>						
		2-8 x 6-8	EA	---	---	---	---	12.092
	3-0 x 6-8	EA	---	---	---	---	12.093	

## 12. REPLACEMENT DOOR SLAB WITH NEW HARDWARE

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE DOOR SLAB WITH NEW HARDWARE	Remove existing door slab and replace with new door slab using new hardware <ul style="list-style-type: none"> <li>■ 3 hinges @ \$30 total</li> <li>■ Standard bore lockset @ \$25</li> <li>■ Standard bore deadbolt @ \$20</li> </ul>						
	<b>Flush Birch</b>						
	Particle core 2-8 x 6-8	EA	---	---	---	---	12.100
	3-0 x 6-8	EA	---	---	---	---	12.101
	3-0 x 7-0	EA	---	---	---	---	12.102
	Lumber core 2-8 x 6-8	EA	---	---	---	---	12.103
	3-0 x 6-8	EA	---	---	---	---	12.104
	3-0 x 7-0	EA	---	---	---	---	12.105
	<b>Colonial 6 Panel</b>						
	Fir 2-8 x 6-8	EA	---	---	---	---	12.110
	3-0 x 6-8	EA	---	---	---	---	12.111
	3-0 x 7-0	EA	---	---	---	---	12.112
	Pine 2-8 x 6-8	EA	---	---	---	---	12.113
	3-0 x 6-8	EA	---	---	---	---	12.114
	3-0 x 7-0	EA	---	---	---	---	12.115
	Oak 2-8 x 6-8	EA	---	---	---	---	12.116
	3-0 x 6-8	EA	---	---	---	---	12.117
	3-0 x 7-0	EA	---	---	---	---	12.118
	<b>3 Panel 4 lights</b>						
	Fir 2-8 x 6-8	EA	---	---	---	---	12.120
	3-0 x 6-8	EA	---	---	---	---	12.121
	<b>French 15 lights</b>						
	Fir 2-6 x 6-8	EA	---	---	---	---	12.125
	2-8 x 6-8	EA	---	---	---	---	12.126
	3-0 x 6-8	EA	---	---	---	---	12.127
MORTISE LOCKSET	Install new mortise lockset in place of standard bore lockset and deadbolt, add to above materials and labor costs  <div style="text-align: right;"><b>ADD</b></div>	EA	---	---	---	---	12.128

## 12. REPLACEMENT DOOR SLAB WITH OWNER'S HARDWARE

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE DOOR SLAB WITH OWNER'S HARDWARE	Remove existing door slab and replace with new door slab using Owner's hardware <ul style="list-style-type: none"> <li>■ 3 hinges</li> <li>■ Standard bore lockset</li> <li>■ Standard bore deadbolt</li> </ul>						
	<b>Flush Birch</b>						
	Particle core 2-8 x 6-8	EA	---	---	---	---	12.131
	3-0 x 6-8	EA	---	---	---	---	12.132
	3-0 x 7-0	EA	---	---	---	---	12.133
	Lumber core 2-8 x 6-8	EA	---	---	---	---	12.134
	3-0 x 6-8	EA	---	---	---	---	12.135
	3-0 x 7-0	EA	---	---	---	---	12.136
	<b>Colonial 6 Panel</b>						
	Fir 2-8 x 6-8	EA	---	---	---	---	12.140
	3-0 x 6-8	EA	---	---	---	---	12.141
	3-0 x 7-0	EA	---	---	---	---	12.142
	Pine 2-8 x 6-8	EA	---	---	---	---	12.143
	3-0 x 6-8	EA	---	---	---	---	12.144
	3-0 x 7-0	EA	---	---	---	---	12.145
	Oak 2-8 x 6-8	EA	---	---	---	---	12.146
	3-0 x 6-8	EA	---	---	---	---	12.147
	3-0 x 7-0	EA	---	---	---	---	12.148
	<b>3 Panel 4 lights</b>						
	Fir 2-8 x 6-8	EA	---	---	---	---	12.150
	3-0 x 6-8	EA	---	---	---	---	12.151
	<b>French 15 lights</b>						
	Fir 2-6 x 6-8	EA	---	---	---	---	12.152
	2-8 x 6-8	EA	---	---	---	---	12.153
	3-0 x 6-8	EA	---	---	---	---	12.154
MORTISE LOCKSET	Install Owners mortise lockset in place of standard bore lockset						
	<b>ADD</b>	EA	---	---	---	---	12.155

## 12. REPLACE ENTRANCE FRAME

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
ENTRANCE FRAME	Replace single door entrance frame with new entrance frame @ \$140 <ul style="list-style-type: none"> <li>■ 1-5/16" x 2" exterior brick moulding and wood frame</li> <li>■ Oak or aluminum sill and weatherstripping</li> <li>■ 2-1/4" interior casings</li> </ul>	EA	---	---	---	---	12.200
ORNAMENTAL ENTRANCE FRAME	Replace single door entrance frame with new ornamental entrance frame with 2 pilasters and 11" high pediment @ \$380	EA	---	---	---	---	12.205
ENTRANCE FRAME WITH SIDELIGHT(S)	Replace single door entrance frame with new ornamental entrance frame and sidelight(s) <ul style="list-style-type: none"> <li>■ 2 pilasters and 11" high pediment</li> <li>■ Each sidelight 1'-2" x 6'-8" x 1-3/4" with insulated glass, one light or one light and one panel</li> </ul>						
	Entrance frame with 1 sidelight @ \$530	EA	---	---	---	---	12.210
	Entrance frame with 2 sidelights @\$660	EA	---	---	---	---	12.211
DIVIDED LIGHT GRILLE	3 or 5 light divided light grille <b>ADD</b>	EA	---	---	---	---	12.215

## 12. SIDELIGHT AND TRANSOM

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE SIDELIGHT	Remove existing sidelight and replace with new sidelight at one side of existing door <ul style="list-style-type: none"> <li>■ Sidelight 14" x 6'-8" x 1-3/4"</li> <li>■ 7/16" insulated glass</li> <li>■ Sidelight @ \$250 each</li> </ul>	EA	---	---	---	---	12.220
REPLACE TRANSOM	Remove existing transom and replace with new site-built transom above existing door <ul style="list-style-type: none"> <li>■ Transom 15" high</li> <li>■ 7/16" insulated glass</li> </ul> <p style="text-align: right;"><b>Transom size</b></p>						
	5'-0"	EA	---	---	---	---	12.225
	6'-0"	EA	---	---	---	---	12.226
	8'-0"	EA	---	---	---	---	12.227
	Remove existing transom and replace with new manufacturer-built transom above existing door <ul style="list-style-type: none"> <li>■ Transom 15" high</li> <li>■ 7/16" insulated glass</li> </ul> <p style="text-align: right;"><b>Transom size</b></p>						
	5'-0"	EA	---	---	---	---	12.230
	6'-0"	EA	---	---	---	---	12.231
8'-0"	EA	---	---	---	---	12.232	
REPLACE ARCHITEC- TURAL FEATURES	Remove existing pediment and install new pediment <ul style="list-style-type: none"> <li>■ Acorn or Peaked Cap combination</li> </ul> <p style="text-align: right;"><b>Pediment size</b></p>						
	50" x 21"	EA	---	---	---	---	12.240
	54" x 21"	EA	---	---	---	---	12.241
	58" x 19"	EA	---	---	---	---	12.242
	68" x 24"	EA	---	---	---	---	12.243
	75" x 25"	EA	---	---	---	---	12.244
	80" x 26"	EA	---	---	---	---	12.245
	85" x 28"	EA	---	---	---	---	12.146
Remove existing pilaster and install new pilaster <ul style="list-style-type: none"> <li>■ Plain or fluted pilaster</li> <li>■ 5-1/4" wide x 90" tall</li> </ul>	EA	---	---	---	---	12.247	

## 12. DOOR ACCESSORIES

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
KICK PLATE	Install kick plate to bottom rail of door, 8" x 34"						
	Stainless steel	EA	---	---	---	---	12.250
	Brass	EA	---	---	---	---	12.251
MAIL SLOT	Install mail slot in existing entry door						
	Mail slot @ \$19	EA	---	---	---	---	12.252
	Install Owner's mail slot	EA	---	---	---	---	12.253
PEEPHOLE	Install peephole in existing door					0.00	
	190° peephole @ \$10	EA	---	---	---	---	12.254
DOOR KNOCKER	Install door knocker on exiting door						
	Door knocker @ \$15	EA	---	---	---	---	12.255
DOOR BUMPERS	Install floor mounted door bumper @ \$5						
	On wood floor	EA	---	---	---	---	12.256
	On tile or concrete floor	EA	---	---	---	---	12.257
DOOR STOPPER	Install surface mounted flip down door stopper						
	Aluminum	EA	---	---	---	---	12.258
	Brass	EA	---	---	---	---	12.259
	Chrome	EA	---	---	---	---	12.260
	Brass plated	EA	---	---	---	---	12.261
	Install screw in 3-1/2" projection rubber tipped door stopper						
	Brass	EA	---	---	---	---	12.262
	Chrome	EA	---	---	---	---	12.263
	Brass plated	EA	---	---	---	---	12.264
	Molded plastic	EA	---	---	---	---	12.265
NIGHT SECURITY LATCH	Install surface mounted door to jamb security latch						
	Brass	EA	---	---	---	---	12.266
	Chrome	EA	---	---	---	---	12.267
	Brass plated	EA	---	---	---	---	12.268

## 12. DOOR ACCESSORIES AND PET DOOR

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
SURFACE FLUSH BOLT	Install surface bolt at top or bottom of door stile						
	Brass	EA	---	---	---	---	12.270
	Chrome	EA	---	---	---	---	12.271
	Brass plated	EA	---	---	---	---	12.272
MORTISE FLUSH BOLT	Install mortise flush bolt at top or bottom of door stile						
	Brass	EA	---	---	---	---	12.274
	Chrome	EA	---	---	---	---	12.275
	Brass plated	EA	---	---	---	---	12.276
PET DOOR	Install swinging lockable pet door in existing entrance door						
	<b>Door Size</b>						
	5-1/4" x 7-1/2"	EA	---	---	---	---	12.278
	8-3/4" x 12-1/2"	EA	---	---	---	---	12.279
	11-3/4" x 16-1/2"	EA	---	---	---	---	12.280
	15-1/4" x 20-1/2"	EA	---	---	---	---	12.281

## 12. DOOR ALTERATIONS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
PATCH DOOR POST	Cut and patch door post (jamb leg) up to 12" above threshold or stoop, insert new jamb stock without disturbing interior and exterior casings  EA = Each door post	EA	---	---	---	---	12.285
REPLACE JAMB LEG	Replace strike side jamb let (post) <ul style="list-style-type: none"> <li>■ Remove latch plates</li> <li>■ Remove exterior and interior casings</li> <li>■ Remove defective jamb leg</li> <li>■ Replace defective jamb leg with new jamb stock</li> <li>■ Re-install existing hardware and casings</li> </ul>						
	Including re-installing existing casings	EA	---	---	---	---	12.286
	Including installing new casings	EA	---	---	---	---	12.287
CUT OFF BOTTOM OF DOOR	Cut off bottom of solid wood door to clear carpeting or new flooring  EA = Each door	EA	---	---	---	---	12.288
	Cut off bottom of solid wood door to clear carpeting or new flooring, including re-installing threshold and interlocking weather seal  EA = Each door	EA	---	---	---	---	12.289
SAND OR PLANE DOOR	Sand or plane door to fit existing opening	EA	---	---	---	---	12.290
CORRECT DOOR PANEL SAG	Separate stiles from rails, inject glue and clamp square  EA = Each door	EA	---	---	---	---	12.291
CORRECT RACKING DOOR	Add surface mounted flat angle (90°) 1" x 6" straps, 4 per side of door at stile/rail joints  EA = Each side of door	EA	---	---	---	---	12.292
STRIKE PLATE ADJUSTMENT	Reposition strike plate for proper alignment	EA	---	---	---	---	12.293
	File strikeplate to enlarge opening	EA	---	---	---	---	12.294
	Lubricate latch and/or lock bolt with graphite or dry spray silicone	EA	---	---	---	---	12.295

## 12. REPLACE DOOR CASINGS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
CASING	Remove door casing and replace with new ranch, clamshell or colonial casing						
	3-0 door 2-1/4" casing	EA	---	---	---	---	12.301
	3-1/2" casing	EA	---	---	---	---	12.302
	4-1/2" casing	EA	---	---	---	---	12.303
	Two 3-0 doors 2-1/4" casing	EA	---	---	---	---	12.304
	3-1/2" casing	EA	---	---	---	---	12.305
	4-1/2" casing	EA	---	---	---	---	12.306
EA = Each door opening							
CASING WITH BACKBAND	Remove door casing and replace with new 3/4" x 3-1/2" flat casing with 11/16" x 1-1/16" backband						
	3-0 door	EA	---	---	---	---	12.310
	Two 3-0 doors	EA	---	---	---	---	12.311
EA = Each door opening							
HEAD MOULDING	Install 3/4" x 1-1/4" crown moulding on butted head						
	3-0 door	EA	---	---	---	---	12.320
	Two 3-0 doors	EA	---	---	---	---	12.321
CORNER BLOCKS	Install 2 corner blocks	EA	---	---	---	---	12.325
	EA = Total for both corner blocks						
PLINTH BLOCKS	Install 2 plinth blocks	EA	---	---	---	---	12.326
	EA = Total for both plinth blocks						
EXTENSION JAMBS	Add extension jambs where required						
	3-0 door	EA	---	---	---	---	12.330
	3-0 door with one sidelight	EA	---	---	---	---	12.331
	3-0 door with two sidelights	EA	---	---	---	---	12.332
	Two 3-0 doors	EA	---	---	---	---	12.333
	Two 3-0 doors with one sidelight	EA	---	---	---	---	12.334
	Two 3-0 doors with two sidelights	EA	---	---	---	---	12.335
EA = Each door opening							

## 12. THRESHOLDS AND SWEEPS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REMOVE EXISTING THRESHOLD	Remove existing threshold from single or double doorway						
	Non-interlocking type	EA	---	---	---	---	12.340
	Interlocking type	EA	---	---	---	---	12.341
INTERLOCKING THRESHOLD	Install interlocking threshold system						
	<b>36" Threshold</b>						
	Aluminum	EA	---	---	---	---	12.342
	Brass	EA	---	---	---	---	12.343
	<b>72" Threshold</b>						
	Aluminum	EA	---	---	---	---	12.344
	Brass	EA	---	---	---	---	12.345
ADJUSTABLE OAK THRESHOLD	Install adjustable oak threshold with aluminum sill						
	36"	EA	---	---	---	---	12.350
	72"	EA	---	---	---	---	12.351
BUMPER THRESHOLD	Install aluminum-vinyl bumper threshold						
	36"	EA	---	---	---	---	12.352
	72"	EA	---	---	---	---	12.353
SADDLE THRESHOLD	Install aluminum-vinyl saddle threshold						
	36"	EA	---	---	---	---	12.354
	72"	EA	---	---	---	---	12.355
REPLACE VINYL INSERT	Remove damaged vinyl insert from aluminum threshold and install new vinyl insert						
	36"	EA	---	---	---	---	12.356
	72"	EA	---	---	---	---	12.357
DOOR SWEEP	Replace or install door sweep up to 36"						
	Door bottom vinyl insert sweep	EA	---	---	---	---	12.390
	Aluminum/vinyl finned sweep	EA	---	---	---	---	12.391
	Door bottom/bottom edge vinyl sweep	EA	---	---	---	---	12.392
	Oak/vinyl finned sweep	EA	---	---	---	---	12.393

## 12. THRESHOLDS AND SILLS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE THRESHOLD	Replace existing 5/8" x 3-1/2" wooden threshold on top of existing door sill						
	<b>36" Threshold</b>						
	Pine/Fir	EA	---	---	---	---	12.370
	Oak	EA	---	---	---	---	12.371
	Mahogany	EA	---	---	---	---	12.372
	<b>72" Threshold</b>						
	Pine/Fir	EA	---	---	---	---	12.373
	Oak	EA	---	---	---	---	12.374
	Mahogany	EA	---	---	---	---	12.375
INSTALL NEW THRESHOLD	Install new 5/8" x 3-1/2" wooden threshold on top of existing door sill						
	<b>36" Threshold</b>						
	Pine/Fir	EA	---	---	---	---	12.380
	Oak	EA	---	---	---	---	12.381
	Mahogany	EA	---	---	---	---	12.382
	<b>72" Threshold</b>						
	Pine/Fir	EA	---	---	---	---	12.383
	Oak	EA	---	---	---	---	12.384
	Mahogany	EA	---	---	---	---	12.385
REPLACE DOOR SILL	Replace existing 1-1/4" x 7" main door sill, including 3" horns under exterior casing						
	<b>48" Main sill for 36" door</b>						
	Pine/Fir	EA	---	---	---	---	12.358
	Oak	EA	---	---	---	---	12.359
	Mahogany	EA	---	---	---	---	12.360
	<b>96" Main sill for 72" door</b>						
	Pine/Fir	EA	---	---	---	---	12.361
	Oak	EA	---	---	---	---	12.362
	Mahogany	EA	---	---	---	---	12.363
INSTALL NEW DOOR SILL	Install new 1-1/4" x 7" main door sill, including 3" horns under exterior casing for new custom field hung door						
	<b>48" Main sill for 36" door</b>						
	Pine/Fir	EA	---	---	---	---	12.364
	Oak	EA	---	---	---	---	12.365
	Mahogany	EA	---	---	---	---	12.366
	<b>96" Main sill for 72" door</b>						
	Pine/Fir	EA	---	---	---	---	12.367
	Oak	EA	---	---	---	---	12.368
	Mahogany	EA	---	---	---	---	12.369

## 12. DOOR HINGES

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE HINGES	Replace hinges with spring hinges EA = Each hinge	EA	---	---	---	---	12.400
	Replace hinges with rising hinges EA = Each hinge	EA	---	---	---	---	12.401
	Replace hinges with new solid polished brass hinge						
	4" x 4" standard hinge	EA	---	---	---	---	12.405
	4" x 4" ball bearing hinge EA = Each hinge	EA	---	---	---	---	12.406
RE-POSITION HINGES	Re-position existing hinges to correct door slab alignment with strike side stop EA = Each door	EA	---	---	---	---	12.410
ADD HINGE	Add 4" x 4" standard hinge in middle of door to correct warp	EA	---	---	---	---	12.411
RE-SET SCREWS	Re-set screws in hinge EA = Each hinge	EA	---	---	---	---	12.412

## 12. REVERSE HINGES AND LOCKSET

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REVERSE HINGES AND LOCKSET	Reverse hinges and lockset on existing door <ul style="list-style-type: none"> <li>■ Remove door from opening and remove hinges, lockset and strikeplate</li> <li>■ Cut new mortises</li> <li>■ Fill old hinge mortises on door and jamb</li> <li>■ Fill old lockset cavities on door and jamb</li> <li>■ Bore for new lockset location</li> <li>■ Install door with existing hinges and lockset</li> </ul>						
	<b>Door with standard lockset</b>						
	2 hinge door	EA	---	---	---	---	12.420
	3 hinge door	EA	---	---	---	---	12.421
	<b>Door with mortise lockset</b>						
	2 hinge door	EA	---	---	---	---	12.425
	3 hinge door	EA	---	---	---	---	12.426

## 12. LOCKSETS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE LOCKSET	Remove existing entry lock and replace with new entry lock in same bored holes						
	New entry lock	EA	---	---	---	---	12.430
	Replace with Owner's new entry lock	EA	---	---	---	---	12.431
	Remove existing standard bore grip handle lockset and replace with new grip handle lockset in same bored holes						
	New grip handle lockset	EA	---	---	---	---	12.432
	Replace with Owner's new grip handle lockset	EA	---	---	---	---	12.433
NEW STANDARD BORE LOCKSET	Lay out and bore holes for new standard bore lockset to accept new polished brass hardware and accessories						
	Interior and exterior turn knob	EA	---	---	---	---	12.435
	Interior turn knob and exterior grip handle	EA	---	---	---	---	12.436
PATCH EXISTING STANDARD BORE	Patch existing standard bore <ul style="list-style-type: none"> <li>■ Patch and fill existing standard bore lockset cavity</li> <li>■ Plug latch bore on door edge</li> <li>■ Sand or plane smooth</li> </ul>	EA	---	---	---	---	12.437
KNOB AND ESCUTCHEON	Install knob or lever and escutcheon to existing entry set						
	Knob and escutcheon set	EA	---	---	---	---	12.438
	Lever and escutcheon set	EA	---	---	---	---	12.439
	Owner's knob and escutcheon set	EA	---	---	---	---	12.440
KEYHOLE COVER	Install solid brass keyhole cover						
	Keyhole cover	EA	---	---	---	---	12.441
	Owner's keyhole cover	EA	---	---	---	---	12.442

## 12. MORTISE LOCKSETS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
MORTISE LOCKSET	Lay out and cut mortise cavity to accept new deep set mortise box with polished brass hardware accessories						
	Interior and exterior turn knobs	EA	---	---	---	---	12.445
	Interior turn knob and exterior grip handle	EA	---	---	---	---	12.446
REPLACE MORTISE LOCKSET	Remove existing mortise lockset and install new mortise lockset with polished brass hardware accessories						
	Interior and exterior turn knobs	EA	---	---	---	---	12.447
	Interior turn knob and exterior grip handle	EA	---	---	---	---	12.448
REPLACE MORTISE BOX	Remove existing mortise box and install new mortise box with existing hardware	EA	---	---	---	---	12.449
ALTER MORTISE BOX CAVITY	Increase size of existing mortise cavity for larger entry set mortise box	EA	---	---	---	---	12.450
	Patch and fill existing mortise box <ul style="list-style-type: none"> <li>■ Patch and fill existing mortise box cavity</li> <li>■ Plug interior and exterior through bored holes</li> <li>■ Sand or plane smooth</li> </ul>	EA	---	---	---	---	12.451

## 12. DEADBOLT LOCKS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.	
			MATLS	LABOR	TOTAL			
SURFACE MOUNTED DEADBOLT	Remove existing surface mounted deadbolt and install deadbolt in same location							
	Replace with new deadbolt @ \$55	EA	---	---	---	---	12.455	
	Replace with Owner's deadbolt	EA	---	---	---	---	12.456	
	Remove existing surface mounted deadbolt and install in new location, including patching existing screwholes and notched casing							
	Replace with new deadbolt @ \$55	EA	---	---	---	---	12.458	
	Replace with Owner's deadbolt	EA	---	---	---	---	12.459	
	Install new surface mounted deadbolt lock							
	Install new deadbolt lock @ \$55	EA	---	---	---	---	12.460	
	Install Owner's deadbolt lock	EA	---	---	---	---	12.461	
	THROUGH DOOR MOUNTED DEADBOLT	Remove existing through door mounted deadbolt and install new deadbolt in same location						
		Replace with new deadbolt @ \$25	EA	---	---	---	---	12.462
		Replace with Owner's deadbolt	EA	---	---	---	---	12.463
Remove existing through door mounted deadbolt and install in new location, including patching existing holes and notched casing								
Replace with new deadbolt @ \$25		EA	---	---	---	---	12.464	
Replace with Owner's deadbolt		EA	---	---	---	---	12.465	
Install new through door mounted deadbolt								
Replace with new deadbolt @ \$25		EA	---	---	---	---	12.466	
Replace with Owner's deadbolt		EA	---	---	---	---	12.467	

## 12. TRIM AND HARDWARE REMOVAL

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REMOVE TRIM AND HARDWARE	Remove existing door trim and/or hardware and save (for installation with new door at a later time)						
	Standard lockset	EA	---	---	---	---	12.470
	Mortised lockset	EA	---	---	---	---	12.471
	Surface mounted deadbolt	EA	---	---	---	---	12.472
	Through door deadbolt	EA	---	---	---	---	12.473
	Night security latch	EA	---	---	---	---	12.474
	Mortised flush bolt	EA	---	---	---	---	12.475
	Surface bolt	EA	---	---	---	---	12.476
	Door knocker	EA	---	---	---	---	12.477
	Door stopper	EA	---	---	---	---	12.478
	Peephole	EA	---	---	---	---	12.479
	Peephole with door	EA	---	---	---	---	12.480
	Mailslot	EA	---	---	---	---	12.481
	Kick plate	EA	---	---	---	---	12.482
	3 hinges	EA	---	---	---	---	12.483
	Pediment	EA	---	---	---	---	12.484
	Crosshead	EA	---	---	---	---	12.485
	2 Rosettes (corner blocks)	EA	---	---	---	---	12.486
	Casing	EA	---	---	---	---	12.487
	Special moulding	LF	---	---	---	---	12.488
One pilaster	EA	---	---	---	---	12.489	
2 Plinth blocks	EA	---	---	---	---	12.490	
	EA = Total						
REMOVE TO SCRAP	Remove existing entrance door and system components for disposal						
	Door jamb and mouldings	EA	---	---	---	---	12.492
	Door, jamb, sidelights and mouldings	EA	---	---	---	---	12.493
	Pediment	EA	---	---	---	---	12.494
	Crosshead	EA	---	---	---	---	12.495
	Plaster	EA	---	---	---	---	12.496
	Storm door	EA	---	---	---	---	12.497

## 12. GLASS REPLACEMENT

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE GLASS IN METAL DOOR	Replace double pane tempered glass panel in metal door						
	<b>Glass size</b>						
	30" x 30"	EA	---	---	---	---	12.500
	30" x 48"	EA	---	---	---	---	12.501
	30" x 60"	EA	---	---	---	---	12.502
	30" x 66"	EA	---	---	---	---	12.503
	EA = Each light						
REPLACE GLASS IN WOOD DOOR	Replace single pane tempered glass in wood door, including new 1/2" x 9/16" glass bead						
	<b>Glass size</b>						
	Up to 15" x 30"	EA	---	---	---	---	12.510
	30" x 30"	EA	---	---	---	---	12.511
	30" x 48"	EA	---	---	---	---	12.512
REPLACE GLASS IN WOOD DOOR	Replace double pane tempered glass in wood door, including new 1/2" x 9/16" glass bead						
	<b>Glass size</b>						
	10" x 15"	EA	---	---	---	---	12.513
	10" x 30"	EA	---	---	---	---	12.514
	15" x 30"	EA	---	---	---	---	12.515
	30" x 30"	EA	---	---	---	---	12.516
	30" x 48"	EA	---	---	---	---	12.517
	30" x 60"	EA	---	---	---	---	12.518
	30" x 66"	EA	---	---	---	---	12.519

## 12. SIDELIGHT GLASS REPLACEMENT

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE METAL SIDELIGHT GLASS	Replace insulated tempered glass panel in metal sidelight						
	<b>6" to 12" wide</b>						
	30" high	EA	---	---	---	---	12.520
	48" high	EA	---	---	---	---	12.521
	66" high	EA	---	---	---	---	12.522
	<b>14" to 16" wide</b>						
	30" high	EA	---	---	---	---	12.523
48" high	EA	---	---	---	---	12.524	
66" high	EA	---	---	---	---	12.525	
REPLACE WOOD SIDELIGHT GLASS	Replace insulated tempered glass panel in wood sidelight, including new 1/2" x 9/16" glass beading						
	<b>6" to 12" wide</b>						
	30" high	EA	---	---	---	---	12.530
	48" high	EA	---	---	---	---	12.531
	66" high	EA	---	---	---	---	12.532
	<b>14" to 16" wide</b>						
	30" high	EA	---	---	---	---	12.533
48" high	EA	---	---	---	---	12.534	
66" high	EA	---	---	---	---	12.535	
	Replace true divided tempered insulated glass panel in wood sidelight, including new 1/2" x 9/16" glass beading						
	6" x 8"	EA	---	---	---	---	12.540
	12" x 14"	EA	---	---	---	---	12.541
	14" x 16"	EA	---	---	---	---	12.542
	16" x 18"	EA	---	---	---	---	12.543
	Replace true divided single pane tempered glass panel in wood sidelight, including new 1/2" x 9/16" glass beading						
	6" x 8"	EA	---	---	---	---	12.544
	12" x 14"	EA	---	---	---	---	12.545
	14" x 16"	EA	---	---	---	---	12.546
	16" x 18"	EA	---	---	---	---	12.547

## 12. WEATHERSTRIPPING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
WEATHER- STRIPPING	Remove existing weatherstripping from both sides and top of door jamb	EA	---	---	---	---	12.550
	Install new weatherstripping on both sides and top of single or double door jamb						
	Foam-edged wood stop	EA	---	---	---	---	12.551
	Adhesive backed foam	EA	---	---	---	---	12.552
	Adhesive backed premium rubber	EA	---	---	---	---	12.553
	Kerf installed vinyl clad foam	EA	---	---	---	---	12.554
	Synthetic felt	EA	---	---	---	---	12.555
	Vinyl tubing with aluminum fastener strip	EA	---	---	---	---	12.556
	Bronze spring seal strip	EA	---	---	---	---	12.557
EA = Each door jamb							

## 12. GARAGE DOOR WEATHERSTRIPPING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE WEATHER- STRIPPING	Replace weatherstripping on bottom of garage door <ul style="list-style-type: none"> <li>■ 1-1/2" rubber strip affixed to bottom of door</li> </ul>						
	9'-0" wide door	EA	---	---	---	---	12.561
	16'-0" wide door	EA	---	---	---	---	12.562
	Replace weatherstripping on garage door opening <ul style="list-style-type: none"> <li>■ 9/16" x 2" vinyl stop with integral rubber weatherstripping applied to sides and top of jambs or over existing stops</li> </ul>						
	9'-0" wide door	EA	---	---	---	---	12.563
	16'-0" wide door	EA	---	---	---	---	12.564
	Replace weatherstripping on one side only or top only of garage door opening <ul style="list-style-type: none"> <li>■ 9/16" x 2" vinyl stop with integral rubber weatherstripping</li> </ul>						
	One side only	EA	---	---	---	---	12.565
	Top only 9'-0" wide door	EA	---	---	---	---	12.566
	Top only 16'-0" wide door	EA	---	---	---	---	12.567

## 12. PATIO DOORS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.	
			MATLS	LABOR	TOTAL			
GLIDING PATIO DOOR	Install gliding patio door in framed out opening, including frame, hardware and interior and exterior trim							
	Wood, 2 panels 6-0 x 6-8	EA	---	---	---	---	12.601	
	8-0 x 6-8	EA	---	---	---	---	12.602	
	Wood, 3 panels 9-0 x 6-8	EA	---	---	---	---	12.603	
	12-0 x 6-8	EA	---	---	---	---	12.604	
	Aluminum, 2 panels 5-0 x 6-8	EA	---	---	---	---	12.605	
	6-0 x 6-8	EA	---	---	---	---	12.606	
	8-0 x 6-8	EA	---	---	---	---	12.607	
	Aluminum, 3 panels 9-0 x 6-8	EA	---	---	---	---	12.608	
	12-0 x 6-8	EA	---	---	---	---	12.609	
	ATRIUM STYLE PATIO DOOR, WOOD	Install atrium style patio door with hinged active side in framed out opening, including frame, hardware and interior and exterior trim						
		2 panels 6-0 x 6-8	EA	---	---	---	---	12.610
8-0 x 6-8		EA	---	---	---	---	12.611	
REPLACE GLIDING PATIO DOOR PANEL	Remove existing wood/glass panel and install new door panel							
	<b>Stationary Panel</b>							
	2-6 x 6-8	EA	---	---	---	---	12.615	
	3-0 x 6-8	EA	---	---	---	---	12.616	
	4-0 x 6-8	EA	---	---	---	---	12.617	
	<b>Operable Panel</b>							
	2-6 x 6-8	EA	---	---	---	---	12.618	
3-0 x 6-8	EA	---	---	---	---	12.619		
4-0 x 6-8	EA	---	---	---	---	12.620		
REPLACE HINGED PATIO DOOR PANEL	Remove existing wood/glass panel and install new door panel							
	<b>Stationary Panel</b>							
	2-6 x 6-8	EA	---	---	---	---	12.625	
	3-0 x 6-8	EA	---	---	---	---	12.626	
	<b>Operable Panel</b>							
2-6 x 6-8	EA	---	---	---	---	12.627		
3-0 x 6-8	EA	---	---	---	---	12.628		

## 12. PATIO DOORS ALTERATIONS AND ADJUSTMENTS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE SLIDING PATIO DOOR LATCH	Replace existing patio door latching hardware						
	Standard	EA	---	---	---	---	12.630
	Premium	EA	---	---	---	---	12.631
	Top Quality	EA	---	---	---	---	12.632
ADJUST PATIO DOOR ROLLERS	Adjust patio door rollers using the adjustment screw  Ea = Each door panel	EA	---	---	---	---	12.633
TUNE UP DOOR TRACK	Tune up patio door track <ul style="list-style-type: none"> <li>■ Straighten with wood block</li> <li>■ Clean (scrape and vacuum)</li> <li>■ Spray with graphite or silicone</li> </ul> EA = Each job	EA	---	---	---	---	12.634
BURGLAR BAR	Install up to 48" aluminum drop down bar	EA	---	---	---	---	12.635
FLOOR BOLT	Install floor bolt						
	Not keyed	EA	---	---	---	---	12.636
	Keyed	EA	---	---	---	---	12.637
SCREEN DOOR LATCH	Install patio sliding screen door latch	EA	---	---	---	---	12.638
	Replace patio sliding screen door latch	EA	---	---	---	---	12.639
SCREEN DOOR ROLLER	Replace patio sliding screen door nylon or steel roller assembly	EA	---	---	---	---	12.640

## 12. SCREEN DOOR FRAME AND SCREENING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE ALUMINUM SCREEN FRAME AND SCREEN CLOTH	Replace aluminum screen frame to match existing frame size, screen cloth included						
	24" X 30"	EA	---	---	---	---	12.651
	24" X 72"	EA	---	---	---	---	12.652
	30" X 30"	EA	---	---	---	---	12.653
	30" X 72"	EA	---	---	---	---	12.654
	48" X 80"	EA	---	---	---	---	12.655
REPLACE DOOR SCREENING	Remove and replace screen door screening, stapled in with new screen bead						
	<b>Aluminum or Fiberglass/vinyl screen</b>						
	15" x 15"	EA	---	---	---	---	12.660
	15" x 30"	EA	---	---	---	---	12.661
	30" x 30"	EA	---	---	---	---	12.662
	30" x 72"	EA	---	---	---	---	12.663
	48" x 72"	EA	---	---	---	---	12.664
	Remove and replace screen door screening, splined in with new spline						
	<b>Aluminum or Fiberglass/vinyl screen</b>						
	15" x 15"	EA	---	---	---	---	12.666
	15" x 30"	EA	---	---	---	---	12.667
30" x 30"	EA	---	---	---	---	12.668	
30" x 72"	EA	---	---	---	---	12.669	
48" x 80"	EA	---	---	---	---	12.670	

## 12. SCREEN DOOR

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
SOLID VINYL SCREEN DOOR	Install solid vinyl screen door in existing opening <ul style="list-style-type: none"> <li>■ Three 3" x 3" butt hinges</li> <li>■ One closer</li> <li>■ Spring and chain door retainer</li> <li>■ Standard latch</li> <li>■ Splined screen</li> <li>■ 32" x 6'-8" or 36" x 6'-8" white door</li> </ul>	EA	---	---	---	---	12.680
SOLID WOOD SCREEN DOOR	Install solid wood screen door in existing opening <ul style="list-style-type: none"> <li>■ Three 3" x 3" butt hinges</li> <li>■ One closer</li> <li>■ Spring and chain door retainer</li> <li>■ Standard plated steel latch</li> <li>■ Stapled screen with screen bead</li> <li>■ 32" x 6'-8" or 36" x 6'-8" fir door</li> <li>■ No painting or staining included</li> </ul>	EA	---	---	---	---	12.681
METAL SCREEN DOOR	Install metal screen door in existing opening <ul style="list-style-type: none"> <li>■ Reversible hinge system</li> <li>■ One closer</li> <li>■ Spring and chain door retainer</li> <li>■ Standard latch</li> <li>■ Splined screen</li> <li>■ 32" x 6'-8" or 36" x 6'-8" mill finish door</li> </ul>	EA	---	---	---	---	12.682

## 12. STORM AND SCREEN DOOR

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
ALUMINUM STORM AND SCREEN DOOR	Install Economy quality aluminum storm and screen door in existing opening <ul style="list-style-type: none"> <li>■ 1" x 2-1/2" door frame</li> <li>■ Reversible hinge system</li> <li>■ Tempered safety glass</li> <li>■ Insect screen</li> <li>■ Single closer</li> <li>■ Spring and chain door retainer</li> <li>■ Standard latch</li> <li>■ 32" x 6'-8" or 36" x 6'-8" white door</li> </ul>	EA	---	---	---	---	12.683
	Install Premium quality aluminum storm and screen door in existing opening <ul style="list-style-type: none"> <li>■ 1-1/2" x 3-1/2" door frame</li> <li>■ Reversible hinge system</li> <li>■ Tempered safety glass</li> <li>■ Insect screen</li> <li>■ Twin closers</li> <li>■ Solid brass mortise lockset</li> <li>■ 32" x 6'-8" or 36" x 6'-8" white door</li> </ul>	EA	---	---	---	---	12.684
ALUMINUM SECURITY STORM AND SCREEN DOOR	Install Premium quality aluminum storm and screen door in existing opening <ul style="list-style-type: none"> <li>■ 1-1/2" x 3-1/2" door frame</li> <li>■ Tamperproof reversible hinge system</li> <li>■ Tempered safety glass</li> <li>■ Insect screen</li> <li>■ Heat-treated heavy gauge aluminum bars</li> <li>■ Twin closers</li> <li>■ Solid brass mortise lockset with lock guard</li> <li>■ 32" x 6'-8" or 36" x 6'-8" white door</li> </ul>	EA	---	---	---	---	12.685
SOLID WOOD CORE STORM AND SCREEN DOOR	Install solid wood core storm and screen door in existing opening <ul style="list-style-type: none"> <li>■ Reversible hinge system</li> <li>■ Plated steel designer latch</li> <li>■ Tempered safety glass</li> <li>■ Insect screen</li> <li>■ Single closer</li> <li>■ Spring and chain door retainer</li> <li>■ 32" x 6'-8" or 36" x 6'-8" door with white baked on enamel finish</li> </ul>						
	Door with no exterior cladding	EA	---	---	---	---	12.686
	Vinyl exterior cladding	EA	---	---	---	---	12.687
	Aluminum exterior cladding	EA	---	---	---	---	12.688

## 12. STORM AND SCREEN DOOR ALTERATIONS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
STORM AND SCREEN DOOR PREPARATION	Install moulding(s) to existing door frame prior to storm/screen door installation						
	5/4" x 6" transom sill extension up to 6 feet wide	EA	---	---	---	---	12.690
	3/8" x 1-3/8" stop moulding	LF	---	---	---	---	12.691
	1-1/4" x 2" brick moulding	LF	---	---	---	---	12.692
SCREEN GUARD	Install guard on existing storm/screen door to shield screen from damage						
	1/4" x 30" x 36" polycarbonate panel	EA	---	---	---	---	12.693
	36" x 18" metal mesh panel	EA	---	---	---	---	12.694
	5/4" x 36" x 4" wooden rail	EA	---	---	---	---	12.695
REVERSE HINGES AND LATCH	Reverse hinges and standard locking knob and lever latch on existing wooden screen door <ul style="list-style-type: none"> <li>■ Remove screen door from opening and remove hinges, latch and strikeplate</li> <li>■ Cut new mortises</li> <li>■ Fill old hinge mortises on screen door and jamb</li> <li>■ Fill old latch cavities on screen door and jamb</li> <li>■ Bore for new latch location</li> <li>■ Install door with existing 3 hinges, latch and closer</li> </ul>	EA	---	---	---	---	12.696

## 12. GARAGE DOOR OPENER AND ACCESSORIES

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
INSTALL NEW GARAGE DOOR OPENER	Install new garage door opener where none existed <ul style="list-style-type: none"> <li>■ 1 wall control button</li> <li>■ 2 remote controllers</li> <li>■ Time delay lighting</li> <li>■ Auto-reverse electric eye beam</li> </ul> <p>Does not include 120V receptacle</p>						
	Chain drive @ \$175	EA	---	---	---	---	12.701
	Screw drive @ \$250	EA	---	---	---	---	12.702
REPLACE EXISTING GARAGE DOOR OPENER	Remove existing garage door opener and install new garage door opener <ul style="list-style-type: none"> <li>■ 1 wall control button</li> <li>■ 2 remote controllers</li> <li>■ Time delay lighting</li> <li>■ Auto-reverse electric eye beam</li> </ul>						
	Chain drive @ \$175	EA	---	---	---	---	12.703
	Screw drive @ \$250	EA	---	---	---	---	12.704
INSTALL CEILING MOUNT	Attach slotted steel angle assembly to ceiling to suspend garage door opener						
	Up to 10'-0" ceiling	EA	---	---	---	---	12.705
	10'-0" to 12'-0" ceiling	EA	---	---	---	---	12.706
	EA = Each garage door opener						
WALL CONTROL BUTTON	Remove existing wall control button and install new wall control button						
	Universal wall button	EA	---	---	---	---	12.707
	Door and light control wall button	EA	---	---	---	---	12.708
LOW VOLTAGE WIRE	Install low voltage wire for interior or exterior controls, no drywall removal or patching included						
	Surface mounted	LF	---	---	---	---	12.709
	Fished through walls and ceiling	LF	---	---	---	---	12.710
	LF = Length of wire used						
PUSH-BUTTON KEYPAD	Install push-button wireless keypad, battery powered	EA	---	---	---	---	12.711
ELECTRIC EYE SENSOR SYSTEM	Install electric eye sensors at lower right and left sides of garage door opening; low voltage wire is surface mounted	EA	---	---	---	---	12.712
	EA = Total system						
KEYED DISCONNECT	External door keyed release that detaches garage door from automatic door closer mechanism	EA	---	---	---	---	12.713

## 12. GARAGE DOOR ACCESSORIES

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
CEILING MOUNT FOR TRACK	Attach slotted steel angle assembly to ceiling to suspend roller track						
	Up to 10'-0" ceiling	EA	---	---	---	---	12.720
	10'-0" to 12'-0" ceiling	EA	---	---	---	---	12.721
	EA = Track one side only						
DOOR ALIGNMENT	Adjust garage door section hardware so that door meets jamb properly	EA	---	---	---	---	12.722
	EA = Each door						
ADJUST LOCK BAR	Align existing lock bars to their catches	EA	---	---	---	---	12.723
	EA = Each pair						
LOCKING HARDWARE	Tighten, lubricate or disable existing hardware	EA	---	---	---	---	12.724
	EA = Each garage door						
	Replace locking hardware and pair of handles	EA	---	---	---	---	12.725
	EA = Total						
REPLACE BRACKET	Replace bracket						
	Top roller bracket	EA	---	---	---	---	12.726
	Bottom bracket	EA	---	---	---	---	12.727
	EA = Each bracket						

## 12. GARAGE DOOR OPENER ADJUSTMENT AND REPAIR

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
REMOVE ROPES	Remove garage door assist ropes used for manual opening and closing	EA	---	---	---	12.730
CONTACT REVERSE	Test and adjust force-setting appropriately to ensure safe automatic garage door reverse travel towards the open position	EA	---	---	---	12.731
ADJUST LIMIT STOPS	To correct incomplete opening or closing of the garage door, adjust the height adjustment settings and test	EA	---	---	---	12.732
EMERGENCY RELEASE	Adjust or repair to ensure smooth disconnect and re-engagement	EA	---	---	---	12.733
LUBRICATE OPENER COMPONENTS	Lubricate garage door opener components					
	Bearing/Bushings	EA	---	---	---	12.735
	Screw Drive	EA	---	---	---	12.736
	Sprockets	EA	---	---	---	12.737
	EA = Each garage door opener					
IDLER AND SPROCKETS	Adjust idler and sprockets	EA	---	---	---	12.740
	Replace idler and sprockets					
	Replace idler	EA	---	---	---	12.742
	Replace sprockets	EA	---	---	---	12.743
CHAIN TENSION	Adjust chain tension	EA	---	---	---	12.744
REPLACE BELT	Remove existing belt and install new belt	EA	---	---	---	12.745
REPLACE CHAIN	Replace drive chain	EA	---	---	---	12.746
	EA = Each chain					
REPLACE CABLE	Replace drive chain cable	EA	---	---	---	12.747
	EA = Each cable					

## 12. GARAGE DOOR ADJUSTMENTS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
EXTENSION COIL SPRING ADJUSTMENT	Increase or decrease extension coil spring tension by shortening or lengthening cable attached between coil spring and base of garage door on both sides  EA = Each garage door	EA	---	---	---	---	12.750
REPLACE EXTENSION COIL SPRING	Replace extension soil spring on 7'-0" high door						
	9'-0" wide door	EA	---	---	---	---	12.751
	16'-0" wide door	EA	---	---	---	---	12.752
	EA = Each spring						
COIL SPRING RETENSION CABLE	Install retention cable to extension coil spring  EA = Each spring	EA	---	---	---	---	12.753
TORSION SPRING ADJUSTMENT	Increase or decrease torsion spring tension  EA = Each garage door	EA	---	---	---	---	12.754
REPLACE TORSION SPRING	Replace torsion springs on 7'-0" high door						
	9'-0" wide door	EA	---	---	---	---	12.755
	16'-0" wide door	EA	---	---	---	---	12.756
REPLACE CABLE	Replace cable  EA = Each cable	EA	---	---	---	---	12.757
LUBRICATE ROLLERS & BEARINGS	Lubricate rollers and bearings  EA = Each garage door	EA	---	---	---	---	12.760
REPLACE ROLLER	Install new roller						
	Steel	EA	---	---	---	---	12.762
	Nylon	EA	---	---	---	---	12.763
LUBRICATE HINGES	Lubricate hinges						
	9'-0" wide door	EA	---	---	---	---	12.770
	16'-0" wide door	EA	---	---	---	---	12.771
TIGHTEN HINGE	Tighten hinge	EA	---	---	---	---	12.772
REPLACE HINGE	Install new hinge	EA	---	---	---	---	12.773
ALIGN TRACK WITH ROLLER	Align track so rollers operate smoothly	EA	---	---	---	---	12.780
TIGHTEN TRACK BRACKETS	Tighten all track brackets securely  EA = Track one side only	EA	---	---	---	---	12.785

### 13. REPLACEMENT WINDOWS

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
REPLACE WINDOW OPENING SIZE ADJUSTMENT						
<i>Replacement window costs shown here are for installation in openings approximately the same size as the replacement window</i>						
For openings up to 2-1/2" larger in height or width than replacement window, frame opening to window size with filler strips and apply wider casings and trim <b>ADD</b>	EA	---	---	---	---	13.000
To reduce opening size in stucco wall, apply stucco on exterior and drywall or trim on interior <b>ADD</b>	EA	---	---	---	---	13.001
REPLACE- MENT WINDOW						
Replace existing window with new window in wood, brick veneer or brick and block exterior wall <ul style="list-style-type: none"> <li>■ Remove interior casing and exterior widow trim</li> <li>■ Remove existing window and frame from wall with drywall or plaster interior</li> <li>■ Install new window and frame with insulated glass and screen</li> <li>■ Replace interior and exterior trim and casing</li> </ul>						
Wood double-hung, 2-4 x 3-6 @ \$160	EA	---	---	---	---	13.010
2-8 x 4-2 @ \$200	EA	---	---	---	---	13.011
3-0 x 4-6 @ \$233	EA	---	---	---	---	13.012
3-6 x 5-2 @ \$270	EA	---	---	---	---	13.013
Vinyl double-hung, 2-4 x 3-6 @ \$200	EA	---	---	---	---	13.014
2-8 x 4-2 @ \$240	EA	---	---	---	---	13.015
3-0 x 4-6 @ \$260	EA	---	---	---	---	13.016
3-6 x 5-2 @ \$290	EA	---	---	---	---	13.017
Wood casement, 1-6 x 3-0 @ \$155	EA	---	---	---	---	13.018
1-8 x 3-6 @ \$175	EA	---	---	---	---	13.019
2-0 x 4-0 @ \$210	EA	---	---	---	---	13.020
2-6 x 4-6 @ \$270	EA	---	---	---	---	13.021
Vinyl casement, 1-6 x 3-0 @ \$185	EA	---	---	---	---	13.022
1-8 x 3-6 @ \$220	EA	---	---	---	---	13.023
2-0 x 4-0 @ \$260	EA	---	---	---	---	13.024
2-6 x 4-6 @ \$315	EA	---	---	---	---	13.025

### 13. DIVIDED LIGHT GRILLES

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
DIVIDED LIGHT GRILLES	Divided light grille for double-hung windows						
	2-4 x 3-6	EA	---	---	---	---	13.031
	2-8 x 4-2	EA	---	---	---	---	13.032
	3-0 x 4-6	EA	---	---	---	---	13.033
	3-6 x 5-2	EA	---	---	---	---	13.034
	Divided light grille for casement window						
	1-6 x 3-0	EA	---	---	---	---	13.036
	1-8 x 3-6	EA	---	---	---	---	13.037
	2-0 x 4-0	EA	---	---	---	---	13.038
	2-6 x 4-6	EA	---	---	---	---	13.039

### 13. VINYL REPLACEMENT WINDOW

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
VINYL REPLACE- MENT WINDOW	Replace existing wood double hung window with new custom manufactured all vinyl window with 1/2" insulated glass and screen <ul style="list-style-type: none"> <li>■ Remove upper and lower sashes</li> <li>■ Remove center parting bead and outside stop mould</li> <li>■ Remove spring or pulley balance system</li> <li>■ Leave all interior, exterior trim and jamb in place</li> <li>■ Set new vinyl window from outside against interior stop mould and secure with screws into existing window jambs</li> <li>■ Caulk perimeter of opening</li> <li>■ Fashion exterior capping for sill and casing with aluminum coil stock</li> <li>■ Install new capping to exterior trim and caulk to window and siding</li> </ul>						
	Up to 72 UI	EA	---	---	---	---	13.100
	73 to 82 UI	EA	---	---	---	---	13.101
	83 to 92 UI	EA	---	---	---	---	13.102
	93 to 101 UI	EA	---	---	---	---	13.103
	UI = United inches (add width of window to the height of window)  EA = Each window						
WINDOW GRIDS	Window grids for divided light appearance for above windows  SF = Overall size of window	SF	---	---	---	---	13.104

### 13. REPLACE WINDOW SASH

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
DOUBLE HUNG WINDOW WOOD SASH	Remove existing lower sash and install one new lower sash						
	Overall window size 2-4 x 3-6	EA	---	---	---	---	13.200
	2-8 x 4-2	EA	---	---	---	---	13.201
	3-0 x 4-6	EA	---	---	---	---	13.202
	3-6 x 5-2	EA	---	---	---	---	13.203
	Remove and replace upper sash						
	■ Remove lower sash and upper sash						
	■ Install new upper sash						
	■ Re-install existing lower sash						
	Overall window size 2-4 x 3-6	EA	---	---	---	---	13.210
	2-8 x 4-2	EA	---	---	---	---	13.211
	3-0 x 4-6	EA	---	---	---	---	13.212
3-6 x 5-2	EA	---	---	---	---	13.213	
CASEMENT WINDOW WOOD SASH REPLACE- MENT	Remove and replace venting casement window sash						
	Overall window size 1-6 x 3-0	EA	---	---	---	---	13.220
	1-8 x 3-6	EA	---	---	---	---	13.221
	2-0 x 4-0	EA	---	---	---	---	13.222
	2-6 x 4-6	EA	---	---	---	---	13.223
	Remove and replace fixed casement						
	Overall window size 1-6 x 3-0	EA	---	---	---	---	13.230
	1-8 x 3-6	EA	---	---	---	---	13.231
2-0 x 4-0	EA	---	---	---	---	13.232	
2-6 x 4-6	EA	---	---	---	---	13.233	

### 13. REPLACE DOOR WITH WINDOW

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE EXISTING DOOR WITH NEW WINDOW	<ul style="list-style-type: none"> <li>■ Remove existing door and frame from framed wall</li> <li>■ Install new wood, aluminum or vinyl window and frame, not more than width of old door @ \$300</li> <li>■ Close in below new window, matching existing exterior finish as closely as possible, including tothing in siding or brickwork</li> <li>■ 1/2" drywall, plaster or prefinished plywood paneling on inside of wall</li> <li>■ Install base and shoe on inside of wall to match existing as closely as possible</li> </ul>						
	Framed wall with siding	EA	---	---	---	---	13.300
	Brick veneer wall	EA	---	---	---	---	13.301
	Brick and block wall	EA	---	---	---	---	13.302
	EA = Complete job						
BREAK THROUGH WALL AND INSTALL WINDOW	<ul style="list-style-type: none"> <li>■ Break opening in existing exterior wall, install header over new opening</li> <li>■ Install new wood, aluminum or vinyl window and frame, not more than 3'-6" wide @ \$300</li> <li>■ Patch around exterior of new window, matching existing finish as closely as possible, including tothing in siding or brickwork</li> <li>■ Patch drywall or plaster finish on inside of wall</li> </ul>						
	Framed wall with siding	EA	---	---	---	---	13.310
	Brick veneer wall	EA	---	---	---	---	13.311
	Brick and block wall	EA	---	---	---	---	13.312
	EA = Complete job						

### 13. WINDOW ALTERATIONS AND ADJUSTMENTS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
RE-SET WINDOW	Remove existing wood window, re-set and install new interior trim	EA	---	---	---	---	13.400
REPLACE GLASS	Remove old broken glass and putty and re-glaze wood window pane						
	8" x 12"	EA	---	---	---	---	13.402
	36" x 24"	EA	---	---	---	---	13.403
STUCK WINDOW	Remove old broken glass and putty from metal window and re-glaze						
	Standard glass	EA	---	---	---	---	13.410
	Plate or wired glass	EA	---	---	---	---	13.411
	Replace broken storm window pane	EA	---	---	---	---	13.412
	Free stuck window to operate freely and move stops as necessary	EA	---	---	---	---	13.420
SASH REPAIRS	Install sash fastener on window	EA	---	---	---	---	13.430
	Keylock type fastener on existing sash	EA	---	---	---	---	13.431
	Replace casement window crank	EA	---	---	---	---	13.432
	Replace rotted exterior window sill	EA	---	---	---	---	13.433
	Replace existing sash cords with sash chains	EA	---	---	---	---	13.434
	EA = Each sash chain						
	Replace window stops and parting beads on existing window	EA	---	---	---	---	13.435
EA = Each window							

## 14. HOSE BIBB, COPPER SUPPLY LINE, STOP VALVE

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE HOSE BIBB	Replace existing hose bibb with new hose bibb	EA	---	---	---	---	14.000
	Replace existing hose bibb with frost proof hose bibb						
	1/2" x 6"	EA	---	---	---	---	14.001
	1/2" x 12"	EA	---	---	---	---	14.002
	Replace existing hose bibb with self-draining frostproof hose bibb						
	1/2" x 8"	EA	---	---	---	---	14.003
	1/2" x 12"	EA	---	---	---	---	14.004
	REPLACE COPPER SUPPLY LINE	Replace damaged copper supply line					
1/2" x 2'		EA	---	---	---	---	14.005
3/4" x 2'		EA	---	---	---	---	14.006
STOP VALVE	Install new or replace existing in-line stop valve, 1/2" or 3/4"						
	Gate valve	EA	---	---	---	---	14.007
	Ball valve	EA	---	---	---	---	14.008

## 14. SEWER EJECTION PUMP

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE SEWER EJECTION PUMP	Replace existing pump with new split phase submersible 4/10 HP discharge pump, 120 gallons per minute and heads to 28 feet, diaphragm pressure switch, cast iron construction  Pump @ \$330	EA	---	---	---	---	14.010
	Replace existing pump with new economical submersible 4/10 HP discharge pump, 72 gallons per minute, automatic float switch, thermoplastic construction  Pump @ \$202.00	EA	---	---	---	---	14.011
	Replace existing pump with Owner supplied pump	EA	---	---	---	---	14.012
REPLACE LAUNDRY TRAY PUMP SYSTEM	Replace above floor laundry tray pump system in 17" x 10" x 14" space <ul style="list-style-type: none"> <li>■ Fully automatic</li> <li>■ 1/4 HP submersible sump pump</li> <li>■ Oil-cooled 115 V motor</li> <li>■ 2280 Gal. per hour</li> <li>■ Seamless, moulded 10 gallon polypropylene tank</li> <li>■ Bolt down lid</li> </ul>	EA	---	---	---	---	14.013
	Replace existing pump with Owner supplied pump	EA	---	---	---	---	14.014

# 14. SUMP PUMP

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPAIR SUMP PUMP	Clean sump pit	EA	---	---	---	---	14.015
	Clean and free stuck pump	EA	---	---	---	---	14.016
FLOAT BALL	Replace float ball	EA	---	---	---	---	14.017
SWITCH	Replace float switch	EA	---	---	---	---	14.018
CHECK VALVE	Replace accessible check valve in drain line	EA	---	---	---	---	14.019
DRAIN LINE	Replace drain line to outside (up to 25 feet)	EA	---	---	---	---	14.020
REPLACE SUMP PUMP	Replace existing sump pump						
	Economy 1/2 HP Pedestal	EA	---	---	---	---	14.021
	Deluxe 1/3 HP Pedestal	EA	---	---	---	---	14.022
	1/4 HP submersible	EA	---	---	---	---	14.023
	1/3 HP submersible	EA	---	---	---	---	14.024
	1/2 HP submersible	EA	---	---	---	---	14.025

## 14. CLEAN-OUT

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
DRAIN CLEANING	Run main sewer snake from available clean-out						
	Up to 50 LF feet	MIN	---	---	---	---	14.026
	Additional LF over 50 LF <b>ADD</b>	LF	---	---	---	---	14.027
REPLACE CLEAN-OUT	Replace clean-out in main drain or drain stack line						
	PVC	EA	---	---	---	---	14.028
	Cast Iron	EA	---	---	---	---	14.029
DRAIN CLEANING FROM UNDER KITCHEN SINK	Run main sewer snake from under kitchen sink						
	Up to 50 LF	MIN	---	---	---	---	14.030
	Additional LF over 50 LF <b>ADD</b>	LF	---	---	---	---	14.031

# 14. WASTE LINE REPAIR

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPAIR HANGING WASTE LINE	Repair waste line in basement or crawl space hanging below joists <ul style="list-style-type: none"> <li>■ Cut out and remove damaged waste line</li> <li>■ Replace damaged waste line with new section of PVC or cast iron pipe</li> </ul>						
	Schedule 40, 4" PVC, up to 4 LF	MIN	---	---	---	---	14.032
	Additional LF over 4 LF <b>ADD</b>	LF	---	---	---	---	14.033
	4" Cast Iron, up to 4 LF	MIN	---	---	---	---	14.034
	Additional LF over 4 LF <b>ADD</b>	LF	---	---	---	---	14.035
REPAIR WASTE LINE SET IN CONCRETE	Repair waste line in or below 4" or 6" concrete floor slab <ul style="list-style-type: none"> <li>■ Remove concrete 18" wide above waste line leak</li> <li>■ Cut out and remove damaged waste line</li> <li>■ Replace damaged waste line with new section of PVC or cast iron pipe</li> <li>■ Fill around pipe with crushed stone and cover with plastic vapor barrier</li> <li>■ Fill in above crushed stone with concrete and trowel smooth</li> </ul>						
	Schedule 40, 4" PVC, up to 4 LF	MIN	---	---	---	---	14.036
	Additional LF over 4 LF <b>ADD</b>	LF	---	---	---	---	14.037
	4" Cast Iron, up to 4 LF	MIN	---	---	---	---	14.038
	Additional LF over 4 LF <b>ADD</b>	LF	---	---	---	---	14.039

## 14. WATER PIPE MAINTENANCE

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
WATER PIPE INSULATION	Tape foam pipe insulation on existing 1/2" or 3/4" water supply line						
	Up to 10 LF of pipe insulated	MIN	---	---	---	---	14.040
	Additional LF over 10 LF <b>ADD</b>	LF	---	---	---	---	14.041
WATER PIPE HEATING CABLE	Install thermostat controlled heating cable to existing water supply line						
	Up to 10 LF of cable	MIN	---	---	---	---	14.045
	Additional LF over 10 LF <b>ADD</b>	LF	---	---	---	---	14.046

# 14. ELECTRIC WATER HEATER

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
TROUBLE-SHOOT	Troubleshoot water heater electrical system	EA	---	---	---	---	14.050
HEATING ELEMENT	Replace upper electric heating element						
	Standard	EA	---	---	---	---	14.051
	Deluxe	EA	---	---	---	---	14.052
	Replace lower electric heating element						
	Standard	EA	---	---	---	---	14.053
	Deluxe	EA	---	---	---	---	14.054
	Replace upper and lower electric heating elements						
	Standard	EA	---	---	---	---	14.055
	Deluxe	EA	---	---	---	---	14.056
THERMOSTAT	Replace electric water heater thermostat						
	Upper	EA	---	---	---	---	14.057
	Lower	EA	---	---	---	---	14.058
	Upper and lower	EA	---	---	---	---	14.059
DRAIN-OFF VALVE	Replace drain-off valve	EA	---	---	---	---	14.060
PRESSURE RELIEF VALVE	Replace pressure relief valve and extension tube	EA	---	---	---	---	14.061
REPLACE ELECTRIC WATER HEATER	Replace electric water heater with limited 5 year manufacturer's warranty						
	6 gallon	EA	---	---	---	---	14.062
	10 gallon	EA	---	---	---	---	14.063
	20 gallon	EA	---	---	---	---	14.064
	30 gallon	EA	---	---	---	---	14.065
	40 gallon	EA	---	---	---	---	14.066
	52 gallon	EA	---	---	---	---	14.067
	82 gallon	EA	---	---	---	---	14.068
	116 gallon	EA	---	---	---	---	14.069
Remove old heater and install Owner's water heater							
6 to 52 gallon	EA	---	---	---	---	14.070	
82 to 116 gallon	EA	---	---	---	---	14.071	

**14. GAS WATER HEATER**

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
TROUBLE-SHOOT	Troubleshoot water heater gas system	EA	---	---	---	---	14.080
PILOT	Re-light gas pilot	EA	---	---	---	---	14.081
	EA = Each fixture						
THERMO-COUPLE	Replace standard thermocouple	EA	---	---	---	---	14.082
THERMOSTAT CONTROL VALVE	Replace thermostat and control valve						
	Lower	EA	---	---	---	---	14.084
	Upper	EA	---	---	---	---	14.085
GAS COCK	Replace gas cock	EA	---	---	---	---	14.086
DIP TUBE	Install new dip tube (standard)	EA	---	---	---	---	14.087
DRAIN-OFF VALVE	Replace drain-off valve	EA	---	---	---	---	14.088
PRESSURE RELIEF VALVE	Replace pressure relief valve and extension tube	EA	---	---	---	---	14.089
REPLACE NATURAL GAS WATER HEATER RISERS	Replace natural gas water heater with limited 5 year manufacturer's warranty						
	30 gallon	EA	---	---	---	---	14.090
	40 gallon	EA	---	---	---	---	14.091
	50 gallon	EA	---	---	---	---	14.092
	Remove old heater and install Owner's 30-50 gallon water heater	EA	---	---	---	---	14.093

# 14. REPLACE TOILET

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE TOILET, TWO PIECE	Replace toilet with vitreous china round front two piece toilet, 12" R.I., 1.6 gpf, including seat and cover						
	White toilet @ \$132	EA	---	---	---	---	14.100
	Standard color toilet @ \$162	EA	---	---	---	---	14.101
	Custom color toilet @ \$193	EA	---	---	---	---	14.102
	Replace toilet with vitreous china elongated two piece toilet, 12" R.I., 1.6 gpf, including seat and cover						
	White toilet @ \$322	EA	---	---	---	---	14.103
Standard color toilet @ \$420	EA	---	---	---	---	14.104	
Custom color toilet @ \$482	EA	---	---	---	---	14.105	
REPLACE TOILET, ONE PIECE	Replace toilet with vitreous china round front one piece toilet, 12" R.I., 1.6 gpf, including seat and cover						
	White toilet @ \$285	EA	---	---	---	---	14.106
	Standard color toilet @ \$369	EA	---	---	---	---	14.107
	Custom color toilet @ \$426	EA	---	---	---	---	14.108
	Replace toilet with vitreous china elongated one piece toilet, 12" R.I., 1.6 gpf, including seat and cover						
	White toilet @ \$574	EA	---	---	---	---	14.109
Standard color toilet @ \$747	EA	---	---	---	---	14.110	
Custom color toilet @ \$833	EA	---	---	---	---	14.111	
REPLACE OWNER'S TOILET	Replace existing toilet with toilet supplied by Owner						
	2 piece	EA	---	---	---	---	14.112
	1 piece	EA	---	---	---	---	14.113
REPLACE TOILET SEAT AND COVER	Replace existing toilet seat and cover						
	<b>Round closed front</b>						
	White	EA	---	---	---	---	14.114
	Wood - Golden oak	EA	---	---	---	---	14.115
	<b>Elongated closed front</b>						
	White	EA	---	---	---	---	14.116
Wood - Golden oak	EA	---	---	---	---	14.117	
Replace existing toilet seat and cover with Owner supplied seat and cover	EA	---	---	---	---	14.118	

## 14. TOILET REPAIRS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPAIR AND REPLACE TOILET PARTS OR SHOWER	Replace flush handle						
	Polished chrome	EA	---	---	---	---	14.120
	Polished brass	EA	---	---	---	---	14.121
	Correct inadequate flush by tightening set-screw on flush handle	EA	---	---	---	---	14.122
	Repair ballcock, remove plunger and replace washers	EA	---	---	---	---	14.123
	Install new ballcock and float	EA	---	---	---	---	14.124
	Repair flush valve	EA	---	---	---	---	14.125
	Replace toilet supply riser	EA	---	---	---	---	14.126
	Replace shut-off valve and supply riser	EA	---	---	---	---	14.127
	Remove flush valve and repair leak between tank and bowl	EA	---	---	---	---	14.128
	Repair flush valve, flapper or ball and lift wires	EA	---	---	---	---	14.129
SNAKE OUT DRAIN	Install new parts in toilet tank						
	Plastic	EA	---	---	---	---	14.130
	Brass	EA	---	---	---	---	14.131
	Unclog toilet with plunger or hand auger	EA	---	---	---	---	14.132
	Unclog toilet with closet auger with electric can snake	EA	---	---	---	---	14.133
	Remove toilet and reset with new seal and solid brass closet bolts	EA	---	---	---	---	14.134
	Remove toilet from bathroom floor, open drain and reset toilet	EA	---	---	---	---	14.135
	Repair existing floor flange	EA	---	---	---	---	14.136
	Replace floor flange swivel base						
	PVC	EA	---	---	---	---	14.137
Cast iron	EA	---	---	---	---	14.138	

## 14. BIDET AND FAUCET

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	ITEM NO.
		MATLS	LABOR	TOTAL		
REPLACE BIDET	Replace existing bidet with new vitreous china bidet					
	White @ \$194	EA	---	---	---	14.150
	Standard color @ \$252	EA	---	---	---	14.151
	Custom color @ \$290	EA	---	---	---	14.152
	Replace Owner's bidet	EA	---	---	---	14.153
REPLACE BIDET FAUCET	Replace existing above the rim center set horizontal swivel spray bidet faucet					
	Polished chrome @ \$119	EA	---	---	---	14.160
	Polished brass @ \$154	EA	---	---	---	14.161
	Replace Owners's faucet	EA	---	---	---	14.162
	Replace existing vertical spray fixture-mount transfer valve/vacuum breaker bidet faucet					
	Polished chrome @ \$163	EA	---	---	---	14.163
	Polished brass @ \$257	EA	---	---	---	14.164
	Replace Owner's faucet	EA	---	---	---	14.165
	Replace existing below the rim horizontal swivel, spray fixture-mount faucet and wall-mount vacuum breaker					
	Polished chrome @ \$283	EA	---	---	---	14.166
	Polished brass @ \$369	EA	---	---	---	14.167
	Replace Owner's faucet	EA	---	---	---	14.168
REPLACE BIDET FAUCET PARTS	Replace standard seats and washers (pair)	EA	---	---	---	14.170
	EA = Total					
FAUCET STEM	Replace washer and screw or top-hat washer	EA	---	---	---	14.171
	Replace standard faucet stem	EA	---	---	---	14.172
	Replace special faucet stem					
	Delta	EA	---	---	---	14.173
	Moen	EA	---	---	---	14.174
American Standard	EA	---	---	---	14.175	
Kohler	EA	---	---	---	14.176	

## 14. BIDET DRAIN

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
BIDET DRAIN REPAIR	Adjust popup drain assembly	EA	---	---	---	---	14.180
	Repair leak in trap without removing trap	EA	---	---	---	---	14.181
	Remove trap and repair leak	EA	---	---	---	---	14.182
	Repair leak in tail piece or popup assembly	EA	---	---	---	---	14.183
	Repair leaking seal at drain with plumber's putty	EA	---	---	---	---	14.184
BIDET DRAIN REPLACE- MENT	Replace pop-up plug						
	Plastic	EA	---	---	---	---	14.185
	Metal	EA	---	---	---	---	14.186
	Replace 1-1/4" popup drain						
	Plastic	EA	---	---	---	---	14.187
	22 Ga. chrome plated brass	EA	---	---	---	---	14.188
	Polished chrome cast brass	EA	---	---	---	---	14.189
	Replace P-trap						
	PVC	EA	---	---	---	---	14.190
	22 Ga. chrome plated brass	EA	---	---	---	---	14.191
Polished chrome cast brass	EA	---	---	---	---	14.192	
Polished brass cast brass	EA	---	---	---	---	14.193	
REPAIR LEAKS	Repair faucet leak by removing and resetting on putty	EA	---	---	---	---	14.194
	Regrind existing seat, install with new washer	EA	---	---	---	---	14.195
	EA = Total						
	Repair leaking faucet with new seals and springs (pair)	EA	---	---	---	---	14.196
	EA = Total						

# 14. REPLACE VANITY TOP

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	ITEM NO.
			MATLS	LABOR	TOTAL		
CULTURED MARBLE TOP	Replace existing vanity top with same size 22" deep cultured marble top with integral single bowl and 3-3/4" backsplash in standard blended colors <ul style="list-style-type: none"> <li>■ Hook up to existing drain</li> <li>■ Reinstall existing faucet</li> </ul>						
	24" width @ \$115	EA	---	---	---	---	14.200
	27" width @ \$123	EA	---	---	---	---	14.201
	30" width @ \$130	EA	---	---	---	---	14.202
	33" width @ \$139	EA	---	---	---	---	14.203
	36" width @ \$147	EA	---	---	---	---	14.204
	42" width @ \$167	EA	---	---	---	---	14.205
Install Owner's top	EA	---	---	---	---	14.206	
PLASTIC LAMINATE TOP	Replace existing vanity top with same size 22" deep plastic laminate top with 4" backsplash in standard solid color <ul style="list-style-type: none"> <li>■ Reinstall existing lavatory</li> <li>■ Hook up to existing drain</li> <li>■ Reinstall existing faucet</li> </ul>						
	24" width @ \$44	EA	---	---	---	---	14.210
	27" width @ \$50	EA	---	---	---	---	14.211
	30" width @ \$55	EA	---	---	---	---	14.212
	33" width @ \$61	EA	---	---	---	---	14.213
	36" width @ \$66	EA	---	---	---	---	14.214
	42" width @ \$77	EA	---	---	---	---	14.215
Install Owner's top	EA	---	---	---	---	14.216	
SOLID SURFACE TOP	Replace existing vanity top with same size 22" deep solid surface top with integral single bowl and 4" backsplash in standard solid color <ul style="list-style-type: none"> <li>■ Hook up to existing drain</li> <li>■ Reinstall existing faucet</li> </ul>						
	24" width @ \$376	EA	---	---	---	---	14.220
	27" width @ \$404	EA	---	---	---	---	14.221
	30" width @ \$432	EA	---	---	---	---	14.222
	33" width @ \$460	EA	---	---	---	---	14.223
	36" width @ \$488	EA	---	---	---	---	14.224
	42" width @ \$544	EA	---	---	---	---	14.225
Install Owner's top	EA	---	---	---	---	14.226	



# 14. REPLACE LAVATORY WITH VANITY AND SOLID SURFACE TOP

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE LAVATORY WITH VANITY & SOLID SURFACE TOP	Replace wall hung or pedestal lavatory with double door vanity base and top <ul style="list-style-type: none"> <li>■ Vanity base 31" high and 21" deep</li> <li>■ Solid surface top with recessed faucet deck and flush oval bowl, including 3-1/2" integral cove backsplash in standard solid color</li> <li>■ Polished chrome single lever faucet with popup drain and tail piece @ \$81</li> </ul> <p style="margin-left: 40px;"><b>Vanity Base</b></p>						
	24" width @ \$237	EA	---	---	---	---	14.240
	27" width @ \$247	EA	---	---	---	---	14.241
	30" width @ \$253	EA	---	---	---	---	14.242
	33" width @ \$270	EA	---	---	---	---	14.243
	36" width @ \$281	EA	---	---	---	---	14.244
	42" width @ \$294	EA	---	---	---	---	14.245
	Install with Owner's materials	EA	---	---	---	---	14.246

## 14. REPLACE LAVATORY WITH VANITY BASE AND TOP

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE LAVATORY WITH VANITY & CULTURED MARBLE TOP	Replace wall hung or pedestal lavatory with double door vanity base and top <ul style="list-style-type: none"> <li>■ Vanity base 31" high and 21" deep</li> <li>■ Cultured marble single bowl top with standard blended colors</li> <li>■ Polished chrome single lever faucet with popup drain and tail piece @ \$81</li> </ul> <p style="text-align: center;"><b>Vanity Base</b></p>						
	24" width @ \$237	EA	---	---	---	---	14.250
	27" width @ \$247	EA	---	---	---	---	14.251
	30" width @ \$253	EA	---	---	---	---	14.252
	33" width @ \$270	EA	---	---	---	---	14.253
	36" width @ \$281	EA	---	---	---	---	14.254
	42" width @ \$294	EA	---	---	---	---	14.255
	Install with Owner's materials	EA	---	---	---	---	14.256
REPLACE LAVATORY WITH VANITY & PLASTIC LAMINATE TOP	Replace wall hung or pedestal lavatory with double door vanity base and top <ul style="list-style-type: none"> <li>■ Vanity base 31" high and 21" deep</li> <li>■ Plastic laminate top with 4" backsplash in standard solid color</li> <li>■ Cast iron or vitreous china countertop lavatory 19" diameter round @ \$66</li> <li>■ Polished chrome single lever faucet with popup drain and tail piece @ \$81</li> </ul> <p style="text-align: center;"><b>Vanity Base</b></p>						
	24" width @ \$237	EA	---	---	---	---	14.260
	27" width @ \$247	EA	---	---	---	---	14.261
	30" width @ \$253	EA	---	---	---	---	14.262
	33" width @ \$270	EA	---	---	---	---	14.263
	36" width @ \$281	EA	---	---	---	---	14.264
	42" width @ \$294	EA	---	---	---	---	14.265
	Install with Owner's materials	EA	---	---	---	---	14.266

# 14. REPLACE COUNTERTOP LAVATORY

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
REPLACE COUNTERTOP LAVATORY	Replace countertop lavatory with new vitreous china countertop lavatory					
	<b>19" diameter round</b>					
	White @ \$60	EA	---	---	---	14.267
	Standard color @ \$73	EA	---	---	---	14.268
	Custom color @ \$88	EA	---	---	---	14.269
	<b>19" x 15" oval</b>					
	White @ \$125	EA	---	---	---	14.270
	Standard color @ \$162	EA	---	---	---	14.271
	Custom color @ \$190	EA	---	---	---	14.272
	Replace with Owner's countertop lavatory	EA	---	---	---	14.273
	Replace countertop lavatory with new cast iron countertop lavatory					
	<b>19" diameter round</b>					
	White @ \$66	EA	---	---	---	14.274
	Standard color @ \$84	EA	---	---	---	14.275
Custom color @ \$97	EA	---	---	---	14.276	
<b>22" x 19" oval</b>						
White @ \$70	EA	---	---	---	14.277	
Standard color @ \$89	EA	---	---	---	14.278	
Custom color @ \$102	EA	---	---	---	14.279	
Replace with Owner's countertop lavatory	EA	---	---	---	14.280	
INCREASE COUNTER-TOP OPENING SIZE	Increase size of countertop opening if required for above replacements					
	Plastic laminate on wood or solid surface	EA	---	---	---	14.281
	Ceramic tile	EA	---	---	---	14.282
	Marble tile	EA	---	---	---	14.283
	EA = Each opening					

**14. REPLACE LAVATORY**

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
WALL HUNG	Replace wall hung lavatory with vitreous china ledgeback lavatory, 19-1/4" x 17-1/4"						
	White @ \$75	EA	---	---	---	---	14.285
	Standard color @ \$98	EA	---	---	---	---	14.286
	Replace with Owner's lavatory	EA	---	---	---	---	14.287
PEDESTAL	Replace pedestal and lavatory with vitreous china pedestal and lavatory, 20" x 14" x 33"						
	White @ \$186	EA	---	---	---	---	14.288
	Standard color @ \$241	EA	---	---	---	---	14.289
	Custom color @ \$278	EA	---	---	---	---	14.290
	Replace with Owner's pedestal and lavatory	EA	---	---	---	---	14.291
REPLACE WALL HUNG WITH PEDESTAL	Replace wall hung lavatory with vitreous china pedestal and lavatory, 20" x 14" x 33"						
	White @ \$186	EA	---	---	---	---	14.292
	Standard color @ \$241	EA	---	---	---	---	14.293
	Custom color @ \$278	EA	---	---	---	---	14.294
	Replace with Owner's lavatory	EA	---	---	---	---	14.295
SUPPLY VALVES RELOCATED	Relocate supply stops within 12" of existing location, no wall patching included	EA	---	---	---	---	14.296
	EA = One supply valve						
DRAIN LINE RELOCATED	Relocate 1-1/2" lavatory drain line within 12" of existing location, no wall patching included	EA	---	---	---	---	14.297
	EA = One drain line						

# 14. LAVATORY FAUCET REPLACEMENT

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
FAUCET HANDLES	Replace one-handle faucet handle						
	Delta	EA	---	---	---	---	14.300
	Moen	EA	---	---	---	---	14.301
	Replace faucet handles (pair)						
	Delta	EA	---	---	---	---	14.302
	Moen	EA	---	---	---	---	14.303
REPLACE FAUCET	Replace existing faucet with single lever center set faucet						
	Polished chrome @ \$65	EA	---	---	---	---	14.305
	Replace with Owner's faucet	EA	---	---	---	---	14.306
	Replace existing faucet with new two handle faucet						
	Polished chrome @ \$40	EA	---	---	---	---	14.307
	Replace with Owner's faucet	EA	---	---	---	---	14.308
	Replace existing faucet with new two handle widespread lavatory base with 5" spout and wrist control lever handles						
	Polished chrome @ \$125	EA	---	---	---	---	14.310
	Polished brass @ \$192	EA	---	---	---	---	14.311
	Replace with Owner's faucet	EA	---	---	---	---	14.312

## 14. LAVATORY FAUCET PARTS REPLACEMENT

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE LAVATORY FAUCET PARTS	Replace standard seats and washers (pair)	EA	---	---	---	---	14.315
	Replace washer and screw or top-hat washer (each)	EA	---	---	---	---	14.316
FAUCET STEM	Replace standard faucet stem (each)	EA	---	---	---	---	14.317
	Replace special faucet stem (each)						
	Delta	EA	---	---	---	---	14.319
	Moen	EA	---	---	---	---	14.320
	American Standard	EA	---	---	---	---	14.321
	Kohler	EA	---	---	---	---	14.322
CARTRIDGE	Replace Moen cartridge in  one-handle faucet						
	Plastic	EA	---	---	---	---	14.323
	Metal	EA	---	---	---	---	14.324
AERATOR	Replace aerator						
	Standard	EA	---	---	---	---	14.325
	Scald protector	EA	---	---	---	---	14.326

# 14. LAVATORY DRAIN REPLACEMENT

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
LAVATORY DRAIN RE-PLACEMENT	Replace popup plug only					
	Plastic	EA	---	---	---	14.330
	Metal	EA	---	---	---	14.331
	Replace 1-1/4" popup drain assembly					
	Plastic	EA	---	---	---	14.332
	Chrome plated metal	EA	---	---	---	14.333
	Polished chrome cast brass	EA	---	---	---	14.334
	Replace J-bend					
	PVC	EA	---	---	---	14.335
	Chrome	EA	---	---	---	14.336
	Cast brass-chrome	EA	---	---	---	14.337
	Replace P-trap					
	PVC	EA	---	---	---	14.338
	Chrome	EA	---	---	---	14.339
	Cast brass-chrome	EA	---	---	---	14.340
	Replace S-trap					
	PVC	EA	---	---	---	14.341
	Chrome	EA	---	---	---	14.342
	Cast brass-chrome	EA	---	---	---	14.343

## 14. LAVATORY DRAIN REPAIR AND REPLACEMENT

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
LAVATORY DRAIN REPAIR	Adjust popup drain assembly	EA	---	---	---	---	14.350
	Repair leak in trap without removing trap	EA	---	---	---	---	14.351
	Remove trap and repair leak	EA	---	---	---	---	14.352
	Repair leak in tailpiece or popup drain assembly below lavatory	EA	---	---	---	---	14.353
REPAIR LEAKS	Repair leaking seal where drain meets lavatory with plumber's putty	EA	---	---	---	---	14.354
	Repair leak from lavatory edge by removing old sealant and recaulking with silicone based mildew resistant sealant	EA	---	---	---	---	14.355
	Repair faucet leak by removing and resetting on putty	EA	---	---	---	---	14.356
	Regrind existing seat, install with new washer (each)	EA	---	---	---	---	14.357
	Repair leaking faucet with new seals and springs (pair)	EA	---	---	---	---	14.358
	Repair leaking faucet with repair kit						
	Less ball	EA	---	---	---	---	14.359
	With ball	EA	---	---	---	---	14.360

# 14. SHOWER DRAIN AND PAN

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
SHOWER DRAIN	Replace shower drain for acrylic/fiberglass moulded pan on wood framed floor						
	Polished chrome @ \$32	EA	---	---	---	---	14.400
REPLACE LEAD SHOWER PAN	Replace lead shower pan <ul style="list-style-type: none"> <li>■ Tear out tile floor and walls up three rows from base</li> <li>■ Supply and install new drain assembly and cover</li> <li>■ Replace existing lead pan with vinyl or rubber pan</li> <li>■ Install new tile on floor and up three rows in mud, tile to match existing as closely as possible</li> </ul> EA = Complete job	EA	---	---	---	---	14.401
COPPER PAN	If copper pan substituted for specified pan in above installation <p style="text-align: right;">ADD</p>	EA	---	---	---	---	14.402

## 14. SNAKE OUT TUB OR SHOWER

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
SNAKE OUT AND OPEN DRAIN	Snake out tub or shower drain with electric drill snake to clean 1-1/2" to 3" line and clean up	EA	---	---	---	---	14.410
	Open drain with plunger or hand snake	EA	---	---	---	---	14.411

# 14. SHOWERHEAD

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE SHOWER-HEAD IN TUB OR SHOWER	Replace existing showerhead with polished chrome shower-head with adjustable spray, 2.5 GPM flow						
	Standard @ \$15	EA	---	---	---	---	14.420
	Deluxe @ \$37	EA	---	---	---	---	14.421
	3-way with massage @ \$45	EA	---	---	---	---	14.422
	Replace existing shower arm with polished chrome shower arm						
	6-1/2" arm and flange @ \$10	EA	---	---	---	---	14.423
	10" arm and flange @ \$18	EA	---	---	---	---	14.424
Replace both showerhead and arm at same time	EA	---	---	---	---	14.425	
(For materials costs, add the showerhead and arm together)							
PERSONAL HAND HELD SHOWER	Replace existing hand held shower with new polished chrome hand held shower with adjustable spray, 2.5 GPM						
	Standard @ \$38	EA	---	---	---	---	14.426
	3-way with massage @ \$48	EA	---	---	---	---	14.427
HOSE	Replace existing shower hose with new 60" metal shower hose with swivel base						
	Hose @ \$22	EA	---	---	---	---	14.428
	Replace both hand held shower and metal hose	EA	---	---	---	---	14.429
(For materials costs, add the hand held shower and metal hose together)							
ELBOW SUPPLY	Replace elbow supply with new polished chrome elbow supply and flange	EA	---	---	---	---	14.430
WALL MOUNT BRACKET	Replace or install wall mount polished chrome bracket for hand held shower						
	Fixed	EA	---	---	---	---	14.435
	Adjustable swivel	EA	---	---	---	---	14.436
	Slide bar height adjustable	EA	---	---	---	---	14.437
	2-way shower arm diverter	EA	---	---	---	---	14.438

## 14. TUB AND SHOWER PARTS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
NON- ACCESSIBILITY	Break through standard frame construction walls to replace parts shown on this page. No patching or tile replacement is included						
	<b>Wall covering</b>						
	Drywall or wood paneling	EA	---	---	---	---	14.500
	Ceramic tile and drywall	EA	---	---	---	---	14.501
	Ceramic tile and cementboard	EA	---	---	---	---	14.502
DIVERTER	Replace tub/shower diverter valve						
	Standard mixing valve @ \$42	EA	---	---	---	---	14.503
	Pressure balancing mixing valve @ \$52	EA	---	---	---	---	14.504
WALL-MOUNT FAUCET	Replace tub/shower faucet with polished chrome single handle faucet and mixing valve						
	Faucet and standard mixing valve @ \$59	EA	---	---	---	---	14.506
	Faucet and pressure balancing mixing valve @ \$69	EA	---	---	---	---	14.507
	Replace tub/shower faucet with 2 handle polished chrome faucet with acrylic handles, including valve @ \$56	EA	---	---	---	---	14.508
	Replace tub/shower faucet with 3 handle polished chrome faucet with acrylic handles, including valve @ \$77	EA	---	---	---	---	14.509
WALL-MOUNT BATHTUB SPOUT	Replace bathtub spout with new polished chrome bathtub spout						
	5" non-diverter spout @ \$12	EA	---	---	---	---	14.511
	8" non-diverter spout @ \$90	EA	---	---	---	---	14.512
	5" diverter spout @ \$16	EA	---	---	---	---	14.513
	8" diverter spout @ \$99	EA	---	---	---	---	14.514

## 14. REPLACE BATHTUB PARTS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE FAUCET	Replace faucet mounted on bathtub or tub deck						
	Polished chrome @ \$235	EA	---	---	---	---	14.520
	Polished brass @ \$325	EA	---	---	---	---	14.521
REPLACE HAND HELD SHOWER	Replace personal hand held shower, including hose and all fittings						
	Polished chrome @ \$158	EA	---	---	---	---	14.522
	Polished brass @ \$218	EA	---	---	---	---	14.523
REPLACE DIVERTER	Replace 2-way deck mount diverter valve for hand held shower						
	Polished chrome @ \$80	EA	---	---	---	---	14.524
	Polished brass @ \$102	EA	---	---	---	---	14.525
REPLACE DECK MOUNT TUB SPOUT	Replace deck mount non-diverter bath spout						
	<b>Polished Chrome</b>						
	8-3/4" Roman spout @ \$198	EA	---	---	---	---	14.526
	7-1/2" Crescent spout @ \$251	EA	---	---	---	---	14.527
	<b>Polished Brass</b>						
	8-3/4" Roman spout @ \$331	EA	---	---	---	---	14.528
	7-1/2" Crescent spout @ \$347	EA	---	---	---	---	14.529
TRIP LEVER AND OVERFLOW PLATE	Replace bathtub trip lever and overflow plate with new polished chrome trip lever and overflow plate	EA	---	---	---	---	14.530
WASTE AND OVERFLOW	Replace waste and overflow, trip lever drain						
	PVC @ \$30	EA	---	---	---	---	14.531
	20 Ga. brass @ \$40	EA	---	---	---	---	14.532
TRAP	Replace tub trap						
	PVC @ \$20	EA	---	---	---	---	14.533
	20 Ga. brass @ \$34	EA	---	---	---	---	14.534

## 14. BATHTUB FAUCETS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE FAUCET	Replace tub-on-legs faucet with new faucet  <b>Polished Chrome</b>  Standard style faucet @ \$110	EA	---	---	---	---	14.540
	Antique style faucet @ \$600	EA	---	---	---	---	14.541
	<b>Polished Brass</b>  Standard style faucet @ \$165	EA	---	---	---	---	14.542
	Antique style faucet @ \$900	EA	---	---	---	---	14.543
REPLACE SUPPLY	Replace supply risers to faucet, 26" (pair)  Polished chrome @ \$48	EA	---	---	---	---	14.544
	Polished brass @ \$77	EA	---	---	---	---	14.545
	EA = Pair						
SHUT-OFF VALVES	Replace or cut in for valve to faucet  Polished chrome @ \$24	EA	---	---	---	---	14.546
	Polished brass @ \$34	EA	---	---	---	---	14.547
	Replace sweated valve to tub valve faucet	EA	---	---	---	---	14.548
KNUCKLES	Replace knuckles on tub-on-legs faucet (pair)	EA	---	---	---	---	14.549

## 14. REPLACE KITCHEN SINK

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
STAINLESS STEEL 20 GAUGE	Remove existing kitchen sink and replace with single bowl 25" x 22", 20 gauge, stainless steel sink  Sink @ \$98	EA	---	---	---	14.600
	Remove existing kitchen sink and replace with double bowl 33" x 22", 20 gauge, stainless steel sink  Sink @ \$137	EA	---	---	---	14.601
STAINLESS STEEL 18 GAUGE	Remove existing kitchen sink and replace with single bowl 25" x 22", 18 gauge, stainless steel sink  Sink @ \$275	EA	---	---	---	14.602
	Remove existing kitchen sink and replace with double bowl 33" x 22", 18 gauge, stainless steel sink  Sink @ \$423	EA	---	---	---	14.603
ENAMELED CAST IRON	Remove existing kitchen sink and replace with single bowl 21" x 21" enameled cast iron sink  White @ \$170	EA	---	---	---	14.604
	Standard color @ \$212	EA	---	---	---	14.605
	Custom color @ \$243	EA	---	---	---	14.606
	Remove existing kitchen sink and replace with double bowl 33" x 22" enameled cast iron sink  White @ \$595	EA	---	---	---	14.607
	Standard color @ \$745	EA	---	---	---	14.608
	Custom color @ \$856	EA	---	---	---	14.609
	Remove existing kitchen sink and replace with Owner's enameled cast iron or stainless steel sink  Single bowl	EA	---	---	---	14.610
Double bowl	EA	---	---	---	14.611	

## 14. REPLACE KITCHEN SINK PARTS

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
SINK PARTS REPLACE- MENT	Replace basket strainer					
	Stainless steel @ \$16	EA	---	---	---	14.620
	Cast brass-chrome @ \$32	EA	---	---	---	14.621
	Replace J-bend					
	PVC	EA	---	---	---	14.622
	22 Ga. chrome plated brass	EA	---	---	---	14.623
	Cast brass-chrome	EA	---	---	---	14.624
	Replace P-trap					
	PVC	EA	---	---	---	14.625
	22 Ga. chrome plated brass	EA	---	---	---	14.626
	Cast brass-chrome	EA	---	---	---	14.627
	Replace S-trap					
	PVC	EA	---	---	---	14.628
	22 Ga. chrome plated brass	EA	---	---	---	14.629
	Cast brass-chrome	EA	---	---	---	14.630
	Replace tailpiece, P-trap and drain pipe trap arm outlet tube					
	PVC	EA	---	---	---	14.631
	22 Ga. chrome plated brass	EA	---	---	---	14.632
	Cast brass-chrome	EA	---	---	---	14.633
	Install new trap adapter arm or drain pipe outlet tube					
	PVC	EA	---	---	---	14.634
	22 Ga. chrome plated brass	EA	---	---	---	14.635
	Cast brass-chrome	EA	---	---	---	14.636
	Replace dishwasher side-inlet tailpiece					
PVC	EA	---	---	---	14.637	
22 Ga. chrome plated brass	EA	---	---	---	14.638	
Cast brass-chrome	EA	---	---	---	14.639	
Replace tailpiece						
PVC	EA	---	---	---	14.640	
22 Ga. chrome plated brass	EA	---	---	---	14.641	
Cast brass-chrome	EA	---	---	---	14.642	

## 14. KITCHEN SINK REPAIRS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
CLEAR SINK DRAIN	Clear kitchen sink drain with plunger or hand held snake	EA	---	---	---	---	14.650
	Clear kitchen sink drain with mechanical snake	EA	---	---	---	---	14.651
	Take down trap and clean out obstruction	EA	---	---	---	---	14.652
REPAIR SINK DRAIN	Repair leak in sink trap	EA	---	---	---	---	14.653
	Repair leak in continuous waste line	EA	---	---	---	---	14.654
	Repair leak in dishwasher drain connection if accessible from under sink	EA	---	---	---	---	14.655
	Repair leaking seal at strainer with plumber's putty	EA	---	---	---	---	14.656
REPAIR SWIVEL SPOUT COLLAR LEAK	Repair leak from around swivel spout collar						
	Remove spout and apply plumber's grease to o-rings	EA	---	---	---	---	14.660
	Remove spout, replace o-rings and apply plumber's grease	EA	---	---	---	---	14.661
	Replace right angle supply shut-off valve	EA	---	---	---	---	14.662

## 14. REPLACE KITCHEN FAUCET AND SPRAY

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
REPLACE DIVERTER	Replace diverter					
	Delta	EA	---	---	---	14.670
	Moen	EA	---	---	---	14.671
SPRAY	Replace spray, hose and spray head	EA	---	---	---	14.675
	Replace spray head only	EA	---	---	---	14.676
	Remove spray and plug up hole in sink deck and cap line below diverter	EA	---	---	---	14.677
FAUCET	Replace spout with new polished chrome spout					
	14" goose neck @ \$32	EA	---	---	---	14.679
	12" swing arm @ \$35	EA	---	---	---	14.680
	Replace existing faucet with new single lever polished chrome faucet					
	Faucet @ \$70	EA	---	---	---	14.690
	Faucet with spray @ \$88	EA	---	---	---	14.691
	Replace existing faucet with new two-handle polished chrome faucet					
	Faucet @ \$77	EA	---	---	---	14.692
	Faucet with spray @ \$91	EA	---	---	---	14.693
	Replace existing faucet with new polished chrome concealed deck faucet					
Faucet @ \$95	EA	---	---	---	14.694	
Faucet with spray @ \$113	EA	---	---	---	14.695	
Replace existing faucet with Owner's faucet						
Faucet only	EA	---	---	---	14.697	
Faucet with spray	EA	---	---	---	14.698	

# 14. WATER TREATMENT SYSTEM

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPAIR WATER TREATMENT SYSTEM	Test water on site with test kit for iron and hardness	EA	---	---	---	---	14.700
	Trouble shoot existing water treatment system						
REPLACE SYSTEM PARTS	Basic	EA	---	---	---	---	14.702
	Observe full cycle	EA	---	---	---	---	14.703
	Clean injector and screen	EA	---	---	---	---	14.704
	Replace injector and screen	EA	---	---	---	---	14.705
	Replace in-line sediment filter cartridge	EA	---	---	---	---	14.706
	Replace Owner supplied in-line sediment filter cartridge	EA	---	---	---	---	14.707
	Replace NSA #300 HR turbulator in brine tank	EA	---	---	---	---	14.708
	Replace Owner supplied NSA #300 HR turbulator in brine tank	EA	---	---	---	---	14.709

## 14. REFRIGERATOR ICE MAKER AND WATER SUPPLY

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
NON- ACCESSIBILITY	If any of the following jobs require breaking through standard frame construction walls to replace or repair parts, add to the costs shown. No patching or tile replacement is included						
	Drywall	EA	---	---	---	---	14.710
	Ceramic tile and drywall	EA	---	---	---	---	14.711
	Ceramic tile and cement board	EA	---	---	---	---	14.712
WATER SUPPLY REPAIR	Repair leak at refrigerator where water supply line connects at rear	EA	---	---	---	---	14.720
	Repair leak at valve where water supply line connects to cold water supply	EA	---	---	---	---	14.721
REPLACE SUPPLY LINE	Replace existing water supply line, maximum 10 feet						
	1/4" flexible PVC	EA	---	---	---	---	14.723
	1/4" soft copper	EA	---	---	---	---	14.724
INSTALL NEW SUPPLY LINE	Install new water supply line, maximum 10 feet						
	1/4" flexible PVC	EA	8.00	40.00	48.00	100.00	14.76
	1/4" soft copper	EA	14.00	40.00	54.00	107.50	14.77
REPLACE SUPPLY VALVE	Replace existing self-tapping saddle valve with new 1/4" saddle valve	EA	---	---	---	---	14.730
	Replace existing valve with new sweated in-line 1/4" valve	EA	---	---	---	---	14.731
INSTALL NEW SUPPLY VALVE	Install new 1/4" self-tapping saddle valve	EA	---	---	---	---	14.732
	Install new sweated in-line 1/4" valve	EA	---	---	---	---	14.733

## 14. DISHWASHER REPAIR

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
HOT WATER SUPPLY LINE	Repair leaking hot water supply connections at angle-stop under kitchen sink	EA	---	---	---	---	14.750
	Repair leaking hot water supply connections at inlet valve under dishwasher	EA	---	---	---	---	14.751
AIR GAP	Repair air gap leaks and clear passageway	EA	---	---	---	---	14.752
	Replace air gap	EA	---	---	---	---	14.753
	Replace air gap drain hose	EA	---	---	---	---	14.754
	Replace 6 foot long dishwasher discharge hose	EA	---	---	---	---	14.755
	Replace 6 foot long 3/8" copper dishwasher hot water supply line	EA	---	---	---	---	14.756
	Replace right angle supply shut-off valve	EA	---	---	---	---	14.757
	DRAIN LINE	Repair leaking drain line connections	EA	---	---	---	---
DRAIN OUTLET	Clean out debris from dishwasher drain pan drain outlet	EA	---	---	---	---	14.761
DOOR	Repair leak around dishwasher door by cleaning rubber gasket around perimeter of opening	EA	---	---	---	---	14.765
CLEAN INLET SCREEN	<ul style="list-style-type: none"> <li>■ Shut off hot water and electric supply to dishwasher</li> <li>■ Remove supply line to inlet valve</li> <li>■ Clean inlet screen and reinstall</li> <li>■ Reconnect supply line and turn on hot water and electric supply</li> </ul>	EA	---	---	---	---	14.770
REPLACE INLET VALVE	Replace dishwasher inlet valve	EA	---	---	---	---	14.771
REPLACE FLOAT SWITCH	Replace dishwasher float switch	EA	---	---	---	---	14.772

## 14. DISPOSER

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
CLEAR AND REPAIR DISPOSER	Re-start disposer by rotating end of broomstick in grinding chamber or Allen wrench rotation of main shaft	EA	---	---	---	---	14.780
	Remove obstruction in disposer and start	EA	---	---	---	---	14.781
	Remove discharge elbow of disposer and remove obstruction from underside of grinding chamber and start	EA	---	---	---	---	14.782
	Disconnect and remove disposer, clear obstruction, re-install and start	EA	---	---	---	---	14.783
REPLACE DISPOSER	Remove and replace existing disposer with new 1/3 HP disposer @ \$66						
	Supply and install	EA	---	---	---	---	14.784
	Install Owner's disposer	EA	---	---	---	---	14.785
	Replace existing disposer with new 1/2 HP disposer @ \$96						
	Supply and install	EA	---	---	---	---	14.786
	Install Owner's disposer	EA	---	---	---	---	14.787
	Remove and replace existing disposer with new 3/4 HP disposer @ \$150						
	Supply and install	EA	---	---	---	---	14.788
Install Owner's disposer	EA	---	---	---	---	14.789	
NEW DISPOSER	Install new 1/2 HP disposer @ \$96, including electrical connection and switch, no wall patching included						
	Supply and install	EA	---	---	---	---	14.790
	Install Owner's disposer	EA	---	---	---	---	14.791
DISPOSER DRAIN ELBOW	Replace disposer drain elbow						
	PVC	EA	---	---	---	---	14.795
	22 Ga. chrome plated brass	EA	---	---	---	---	14.796
	Cast brass chrome	EA	---	---	---	---	14.797

# 14. WASHING MACHINE VALVE AND DRAIN

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE DRAIN HOSE	Replace washing machine drain hose	EA	---	---	---	---	14.800
VALVE	Replace supply valve						
	Hot or cold only	EA	---	---	---	---	14.801
	Both hot and cold	EA	---	---	---	---	14.802
SUPPLY HOSE	Replace supply hose						
	Hot or cold only	EA	---	---	---	---	14.810
	Both hot and cold	EA	---	---	---	---	14.811

## 14. LAUNDRY TUB, FAUCET AND HOSE CONNECTIONS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPAIR LEAK	Repair leak in trap without removing trap	EA	---	---	---	---	14.820
	Remove trap and repair leak	EA	---	---	---	---	14.821
	Repair leak at washing machine hose connection	EA	---	---	---	---	14.822
	Repair leak to hot or cold washing machine supply valve (single)	EA	---	---	---	---	14.823
REPLACE FAUCET PARTS	Replace standard seats and washers (pair)	EA	---	---	---	---	14.830
	EA = Total						
	Replace standard faucet stem	EA	---	---	---	---	14.831
REPLACE LAUNDRY TUB	Replace existing laundry tub with single bowl laundry tub, self rimming 22" x 25" x 12" deep, white						
	Molded plastic installed in countertop or on legs	EA	---	---	---	---	14.832
	Fiberglass installed in countertop or on legs	EA	---	---	---	---	14.833
	18 Ga. Stainless steel in countertop	EA	---	---	---	---	14.834
	Cast iron in countertop	EA	---	---	---	---	14.835
REPLACE TRAP	Replace laundry tub trap						
	PVC	EA	---	---	---	---	14.840
	Chrome	EA	---	---	---	---	14.841
	Cast brass-chrome	EA	---	---	---	---	14.842
REPLACE FAUCET	Replace existing faucet with new two-handle polished chrome faucet with threaded spout and vacuum breaker, faucet @ \$115	EA	---	---	---	---	14.843

## 15. FURNACE FILTERS, GAS PILOT

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE FILTER	<ul style="list-style-type: none"> <li>■ Replace fuel filter housing and wool felt filter</li> <li>■ Refill cartridge for oil burning furnace</li> </ul>						
	Small	EA	---	---	---	---	15.000
	Large	EA	---	---	---	---	15.001
	Replace fuel filter wool felt refill cartridge						
	Small	EA	---	---	---	---	15.002
	Large	EA	---	---	---	---	15.003
OIL FURNACE MAINTENANCE SERVICE	Service oil furnace <ul style="list-style-type: none"> <li>■ Vacuum accumulated soot</li> <li>■ Change nozzle</li> <li>■ Clean pump strainer screen</li> <li>■ Change filter refill cartridge</li> </ul>	EA	---	---	---	---	15.010
REPLACE AIR FILTER	Replace furnace/AC air filter with new filter						
	Pleated poly cotton synthetic media, 16" x 20" x 1" to 20" x 25" x 1"	EA	---	---	---	---	15.020
	Spun glass media, 16" x 20" x 1" to 20" x 25" x 1"	EA	---	---	---	---	15.021
	Electrostatic filter pad, 20" x 25" x 1" (Frame not included)	EA	---	---	---	---	15.022
RE-LIGHT GAS PILOT	Re-light a gas furnace pilot	EA	---	---	---	---	15.050

## 15. ELECTRIC HEAT AND AIR CONDITIONING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE BASEBOARD HEATER	Replace existing baseboard electric heater with built-in thermostat						
	4'-0" (1000 watt)	EA	---	---	---	---	15.100
	6'-0" (1500 watt)	EA	---	---	---	---	15.101
	8'-0" (2000 watt)	EA	---	---	---	---	15.102
	10'-0" (2500 watt)	EA	---	---	---	---	15.103
REPLACE WALL HEATER	Replace existing electric wall heater with built-in thermostat, 12" x 12" (1250 watt)	EA	---	---	---	---	15.120
REPLACE WINDOW UNIT	Replace existing window air conditioning unit, including cost of unit	EA	---	---	---	---	15.130
	Replace existing window air conditioning unit, with air conditioning unit supplied by Owner	EA	---	---	---	---	15.131

## 15. REGISTERS AND GRILLES

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE REGISTER GRILLE	Replace existing supply register grille, painted enamel finish						
	3-way, 10" x 6" or 12" x 6"	EA	---	---	---	---	15.200
	3-way sidewall, 14" x 6"	EA	---	---	---	---	15.201
	One-way sidewall, 10" x 6", 12" x 6", 12" x 8" or 14" x 8"	EA	---	---	---	---	15.202
	Sidewall ceiling square deflection, 10"x 6" or 12" x 6"	EA	---	---	---	---	15.203
	Ceiling pattern diffuser, 2-way, 8" x 8"	EA	---	---	---	---	15.204
	4-way, 8" x 10"	EA	---	---	---	---	15.205
	4-way, 10" x 10"	EA	---	---	---	---	15.206
	Floor diffuser, 12" x 2", 12" x 4" or 14" x 4"	EA	---	---	---	---	15.207
	Replace existing return air grille, painted enamel finish, sidewall						
	10" x 6", 12" x 6" or 14" x 6"	EA	---	---	---	---	15.210
	18" x 18" or 16" x 14"	EA	---	---	---	---	15.211
	30" x 6" or 30" x 8"	EA	---	---	---	---	15.212
	Sidewall filter grille, 24" x 24", 30" x 20" or 30" x 24"	EA	---	---	---	---	15.213

## 15. COMPRESSOR/CONDENSER, PUMPS

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
LEVEL COMPRESSOR/ CONDENSER	Level compressor/condenser pad, 30" x 30"					
	No difficulty	EA	---	---	---	15.300
	Some difficulty	EA	---	---	---	15.301
	Difficult	EA	---	---	---	15.302
CLEAN AROUND UNIT	Remove all debris from under and around compressor/condenser unit					
	No difficulty	EA	---	---	---	15.310
	Some difficulty	EA	---	---	---	15.311
	Difficult	EA	---	---	---	15.312
CIRCULATING PUMP	Replace cast iron circulating pump on existing hot water heating system which is valved off	EA	---	---	---	15.320
	Replace cast iron circulating pump on existing hot water heating system which is not already valved off <ul style="list-style-type: none"> <li>■ Drain system</li> <li>■ Replace pump</li> <li>■ Fill system and eliminate air</li> </ul>					
	One story	EA	---	---	---	15.321
	Two story	EA	---	---	---	15.322
REPLACE CONDENSATE PUMP	Replace existing condensate pump	EA	---	---	---	15.330
	Unclog existing condensate discharge line	EA	---	---	---	15.331
REPLACE CONDENSATE PUMP	Replace existing condensate line draining to existing drain outlet					
	Up to 10 LF 3/4" SCH 40 PVC	MIN	---	---	---	15.332
	Additional LF 3/4" SCH 40 PVC <b>ADD</b>	LF	---	---	---	15.333
	Up to 10 LF 3/4" vinyl flex tubing	MIN	---	---	---	15.334
	Additional LF 3/4" vinyl flex tubing <b>ADD</b>	LF	---	---	---	15.335

## 16. APPLIANCE CORD

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE APPLIANCE CORD	Replace existing electric dryer cord with new heavy duty jacketed #10 3-wire 250 V AC, 25 Amp cord and plug	36"	EA	---	---	---	16.000
		48"	EA	---	---	---	16.001
	Replace existing electric range cord with new heavy duty jacketed #6 3-wire 250 V AC, 45 Amp cord and plug	36"	EA	---	---	---	16.002
		48"	EA	---	---	---	16.003
		60"	EA	---	---	---	16.004
	Replace existing garbage disposal cord with vinyl jacketed #16 3 conductor 125 V AC, 10 Amp cord and plug	36"	EA	---	---	---	16.005
		48"	EA	---	---	---	16.006
		60"	EA	---	---	---	16.007
		72"	EA	---	---	---	16.008
		96"	EA	---	---	---	16.009

## 16. TRANSFORMER, BALLAST AND STARTER

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE TRANS- FORMER	Replace existing door chime transformer with primary rating of 120 V AC and secondary rating of 16 V DC, 15 watts	EA	---	---	---	---	16.050
	Replace existing oil and gas heating or air conditioning system transformer with primary rating of 120 V AC and secondary rating of 24 V DC, 20 watts	EA	---	---	---	---	16.051
REPLACE BALLAST	Replace existing rapid start ballast in fluorescent light fixture	EA	---	---	---	---	16.052
REPLACE STARTER	Replace existing conventional style fluorescent starter in fluorescent light fixture	EA	---	---	---	---	16.053

## 16. IRONING CENTER

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
IRONING CENTER  Replace existing ironing center recessed between existing studs, 16" OC <ul style="list-style-type: none"> <li>■ Sturdy steel cabinet, 14-1/4" W, 60-1/4" H, 3-3/4" D</li> <li>■ 12" W x 42" L ironing board</li> <li>■ Traditional style raised panel oak door</li> <li>■ Receptacle on timer</li> <li>■ 50 watt task light</li> <li>■ Storage for iron and supplies</li> </ul> <p style="text-align: right;">Ironing center @ \$240</p>	EA	---	---	---	---	16.060
<b>ADD</b>	EA	---	---	---	---	16.061
Install owner supplied ironing center in existing location	EA	---	---	---	---	16.062
Install owner supplied ironing center in new location <b>ADD</b>	EA	---	---	---	---	16.063

## 16. ELECTRICAL ITEMS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
SMOKE DETECTOR	Replace 120 V AC smoke detector with new 120 V AC smoke detector with 9 volt DC battery backup	EA	---	---	---	---	16.100
CARBON MONOXIDE DETECTOR	Replace 120 V AC carbon monoxide detector	EA	---	---	---	---	16.101
DOOR CHIME	Replace existing low voltage door chime	EA	---	---	---	---	16.110
	Replace existing door chime push button	EA	---	---	---	---	16.111
REPLACE PHONE JACK	Replace existing modular phone jack						
	Baseboard surface	EA	---	---	---	---	16.120
	Hanging wall phone	EA	---	---	---	---	16.121
	Single wall jack	EA	---	---	---	---	16.122
	Duplex wall jack	EA	---	---	---	---	16.123
WEATHER PROOF COVER	Replace existing weatherproof cover						
	1-gang single receptacle	EA	---	---	---	---	16.130
	2-gang duplex receptacle	EA	---	---	---	---	16.131
	1-gang GFCI receptacle	EA	---	---	---	---	16.132
	2-gang GFCI receptacle	EA	---	---	---	---	16.133
	1-gang switch	EA	---	---	---	---	16.134
	2-gang switch	EA	---	---	---	---	16.135
REPLACE COAXIAL CABLE JACK	Replace existing single coaxial cable wall jack	EA	---	---	---	---	16.140

# 16. RECEPTACLES AND COVER PLATES

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
DUPLEX RECEPTACLE	Replace existing 125 V AC duplex receptacle with ground						
	15 Amp	EA	---	---	---	---	16.201
	20 Amp	EA	---	---	---	---	16.202
	GFCI 15 Amp	EA	---	---	---	---	16.203
	GFCI 20 Amp	EA	---	---	---	---	16.204
DRYER/ RANGE RECEPTACLE	Replace existing electric dryer 30 Amp 250 V AC receptacle						
	Flush mount	EA	---	---	---	---	16.210
	Surface mount	EA	---	---	---	---	16.211
	Replace existing electric range/oven 50 Amp, 250 V AC receptacle						
	Flush mount	EA	---	---	---	---	16.215
	Surface mount	EA	---	---	---	---	16.216
COVER PLATES	Replace existing dryer/range cover plate with stainless steel cover plate						
	1-gang center hole	EA	---	---	---	---	16.220
	2-gang center hole	EA	---	---	---	---	16.221
	Replace existing cover plate with screws with new plastic cover plate with screws						
	1-gang	EA	---	---	---	---	16.230
	2-gang	EA	---	---	---	---	16.231
	3-gang	EA	---	---	---	---	16.232
	4-gang	EA	---	---	---	---	16.233
	1-gang Blank	EA	---	---	---	---	16.234
	Replace existing cover plate with new screwless designer cover plate						
	1-gang	EA	---	---	---	---	16.235
	2-gang	EA	---	---	---	---	16.236
	3-gang	EA	---	---	---	---	16.237
	4-gang	EA	---	---	---	---	16.238
	1-gang Blank	EA	---	---	---	---	16.239

## 16. ELECTRICAL SWITCHES

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
MOVE OUTLET OR SWITCH	Move duplex outlet or switch from inside new closet to outside closet wall, no wall patching included	EA	---	---	---	---	16.240
LIGHT FIXTURE	Install ceiling outlet, switch and fixture (fixture cost \$12) in new closet, no wall patching included	EA	---	---	---	---	16.241
OUTDOOR PHOTO SWITCH	Install automatic dusk to dawn lighting control switch to existing fixture						
	Fixed mount type, 120 V, 15 Amp., 1800 watt	EA	---	---	---	---	16.242
	Stem mount with swivel, 120 V., 15 Amp, 1800 watt	EA	---	---	---	---	16.243
OUTDOOR MOTION DETECTOR SWITCH	Install motion detector lighting control switch to existing fixture						
	Stem mount with swivel, 120 v., 15 Amp, 500 watt	EA	---	---	---	---	16.244

## 16. ELECTRICAL SWITCH REPLACEMENT

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE SWITCH	Replace existing 15 amp, 120 V AC single pole standard framed switch						
	Toggle switch	EA	---	---	---	---	16.250
	Rocker switch	EA	---	---	---	---	16.251
	Combination toggle switch and receptacle	EA	9.10	13.00	22.10	40.63	16.25
	Replace existing 15 amp, 120 V AC 3-way standard framed switch						
	Toggle switch	EA	---	---	---	---	16.255
	Rocker switch	EA	---	---	---	---	16.256
	Combination toggle switch and receptacle	EA	---	---	---	---	16.257
	Replace existing 15 amp, 120 V AC 4-way standard framed switch						
	Toggle switch	EA	---	---	---	---	16.260
	Rocker switch	EA	---	---	---	---	16.261
	Combination toggle switch and receptacle	EA	---	---	---	---	16.262
REPLACE SUMP PUMP SWITCH	Replace pedestal sump pump switch	EA	---	---	---	---	16.270
	Replace fully submersible sump pump float switch	EA	---	---	---	---	16.271
	Replace fully submersible sump pump float switch, including disconnecting discharge line and removal of pump from sump pit	EA	---	---	---	---	16.272
REPLACE WATER PUMP PRESSURE SWITCH	Replace water pump pressure switch, preset cut on @ 30 psi and cut off @ 50 psi	EA	---	---	---	---	16.275

## 16. REMOVE OUTLETS AND SWITCHES

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REMOVE OUTLET OR SWITCH	Remove duplex outlet or switch and cap bare wires with tape and wire nuts	EA	---	---	---	---	16.280
REMOVE ELECTRICAL BOX	Remove electrical box and single feed wire, no demolition or wall patching included						
	EA = Each electrical box and feed wire	EA	---	---	---	---	16.281
	Remove a switch or receptacle, wire nut and tape to conceal bare wire and install a blank plastic cover plate with screws						
	1 device per box	EA	---	---	---	---	16.285
	2 device per box	EA	---	---	---	---	16.286
	3 device per box	EA	---	---	---	---	16.287
REMOVE LIGHT FIXTURE	Remove light fixture, wire nut and tape to conceal bare wire and install a blank cover plate	EA	---	---	---	---	16.290

## 16. DIMMER SWITCHES

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
INSTALL OR REPLACE DIMMER SWITCH	Install new 120 V, AC, 600 watt incandescent single pole dimmer switch						
	Rotary dimmer	EA	---	---	---	---	16.300
	Toggle dimmer	EA	---	---	---	---	16.301
	Slide dimmer	EA	---	---	---	---	16.302
	Touch dimmer	EA	---	---	---	---	16.303
	Preset push button dimmer	EA	---	---	---	---	16.304
	Preset toggle dimmer	EA	---	---	---	---	16.305
	Preset rocker dimmer	EA	---	---	---	---	16.306
	Install new 120 V, AC, 600 watt incandescent 3-way dimmer switch						
	Rotary dimmer	EA	---	---	---	---	16.310
	Toggle dimmer	EA	---	---	---	---	16.311
	Slide dimmer	EA	---	---	---	---	16.312
	Touch dimmer	EA	---	---	---	---	16.313
	Preset push button dimmer	EA	---	---	---	---	16.314
	Preset toggle dimmer	EA	---	---	---	---	16.315
	Preset rocker dimmer	EA	---	---	---	---	16.316
	Install new low voltage, DC, 425 watt incandescent single pole dimmer switch						
	Preset pushbutton dimmer	EA	---	---	---	---	16.320
	Install new low voltage, DC, 425 watt incandescent 3-way dimmer switch						
	Preset pushbutton dimmer	EA	---	---	---	---	16.321

## 16. TIMER SWITCHES

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
PLUG-IN TIMER	Install plug-in heavy duty portable air conditioner timer, 240 V	EA	---	---	---	---	16.330
	Plug-in electronic timer, 120 V <ul style="list-style-type: none"> <li>■ 4 on/4 off settings per day</li> <li>■ Random setting to avoid predictability</li> </ul>	EA	---	---	---	---	16.335
	Outdoor timer for lighting or pump motors, 120 V, 60 Hz, 15 Amp <ul style="list-style-type: none"> <li>■ Frosted hinged cover</li> <li>■ 2 on/2 off settings per day</li> <li>■ Heavy duty 18 inch cord</li> </ul>	EA	---	---	---	---	16.336
	Outdoor timer for lighting or pump motors, 125 V, 60 Hz, 15 Amp <ul style="list-style-type: none"> <li>■ Hinged cover</li> <li>■ 6 on/6 off settings</li> <li>■ 4 programming options</li> <li>■ Heavy duty 18 inch cord</li> </ul>	EA	---	---	---	---	16.337

## 16. REPLACE CEILING EXHAUST FAN

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE CEILING EXHAUST FAN	Replace existing ceiling exhaust fan using existing ductwork, no wall patching included						
	50 CFM @ \$30	EA	---	---	---	---	16.400
	80 CFM @ \$90	EA	---	---	---	---	16.401
	110 CFM @ \$95	EA	---	---	---	---	16.402
	Replace existing ceiling fan and light using existing ductwork, no wall patching included						
	100 CFM @ \$140	EA	---	---	---	---	16.403
	150 CFM @ \$160	EA	---	---	---	---	16.404
	Replace existing ceiling heater, fan and light, including 50 watt heating element, using existing ductwork, no wall patching included						
	70 CFM @ \$220	EA	---	---	---	---	16.405
	110 CFM @ \$250	EA	---	---	---	---	16.406
	Replace owner supplied ceiling exhaust fan using existing ductwork, no wall patching included						
	Fan	EA	---	---	---	---	16.407
Fan and light	EA	---	---	---	---	16.408	
Heater, fan and light	EA	---	---	---	---	16.409	

## 16. CEILING FANS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
CEILING FAN SUPPORT	In place of existing ceiling electrical light fixture box, install fan safety brace telescopic bar and attach metal electrical box to support fan	EA	---	---	---	---	16.410
CEILING FAN	Assemble and install new ceiling fan using existing wiring, does not include fan support box						
	Ceiling fan @ \$100	EA	---	---	---	---	16.420
	Owner's fan	EA	---	---	---	---	16.421
	Install light kit for ceiling fan, pull chain control, no new wall switch						
	Light kit @ \$52	EA	---	---	---	---	16.422
	Owner's light kit	EA	---	---	---	---	16.423
REMOVE CEILING FAN	Remove existing ceiling fan with light kit and install cover plate	EA	---	---	---	---	16.425
	Remove existing ceiling fan light kit	EA	---	---	---	---	16.426
INSTALL CEILING EXHAUST FAN	Install ceiling exhaust fan in framed ceiling <ul style="list-style-type: none"> <li>■ Exhaust fan unit</li> <li>■ Wall switch(es)</li> <li>■ Circuit as required</li> <li>■ Does not include ductwork kit</li> <li>■ No framing alterations included</li> </ul>						
	80 CFM fan @ \$90	EA	---	---	---	---	16.430
	100 CFM fan and light @ \$140	EA	---	---	---	---	16.431
	110 CFM heater/fan/light @ \$250	EA	---	---	---	---	16.432

## 16. WALL EXHAUST FANS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE WALL EXHAUST FAN	Remove and replace existing wall exhaust fan, no wall patching included						
	160 CFM 8" auto shutter @ \$100	EA	---	---	---	---	16.440
	270 CFM 10" auto shutter @ \$130	EA	---	---	---	---	16.441
	Replace owner supplied wall exhaust fan	EA	---	---	---	---	16.442
INSTALL WALL EXHAUST FAN	Break through existing wall and install wall exhaust fan						
	<ul style="list-style-type: none"> <li>■ 270 CFM</li> <li>■ 4 sones</li> <li>■ 10" auto shutter</li> <li>■ White or silver grill</li> <li>■ Circuit as required</li> <li>■ Fan @ \$130</li> <li>■ No painting included</li> </ul>						
	In framed wall	EA	---	---	---	---	16.450
	In brick veneer wall	EA	---	---	---	---	16.451
	In brick and block wall	EA	---	---	---	---	16.452
	In poured concrete wall	EA	---	---	---	---	16.453
	Install owner supplied wall exhaust fan, no painting included						
	In framed wall	EA	---	---	---	---	16.454
	In brick veneer wall	EA	---	---	---	---	16.455
	In brick and block wall	EA	---	---	---	---	16.456
	In poured concrete wall	EA	---	---	---	---	16.457

## 16. DUCTWORK FOR EXHAUST FANS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
DUCTWORK FOR CEILING FAN	Install ductwork for ceiling exhaust fan installation, including connectors, ductwork kit, no wall or roof breakthrough						
	Metal ductwork	LF	---	---	---	---	16.460
	4" or 6" flexible ductwork	LF	---	---	---	---	16.461
DUCTWORK FOR WALL FAN	Install ductwork for wall exhaust fan, including connectors, ductwork kit, no wall or roof breakthrough						
	Metal ductwork	LF	---	---	---	---	16.462
	4" to 6" flexible ductwork	LF	---	---	---	---	16.463
VENT FAN THROUGH ROOF	Vent fan through roof of house, including vent hood, no framing alterations included						
	<b><i>Type of Roof Covering</i></b>						
	Asphalt or fiberglass shingles	EA	---	---	---	---	16.470
	Slate	EA	---	---	---	---	16.471
	Clay tile	EA	---	---	---	---	16.472
	Concrete tile	EA	---	---	---	---	16.473
	Cedar shingles or shakes	EA	---	---	---	---	16.474
	Copper or metal	EA	---	---	---	---	16.475
VENT FAN THROUGH WALL	Vent fan through wall of house, including vent hood, no framing alterations included						
	In framed wall	EA	---	---	---	---	16.480
	In brick veneer wall	EA	---	---	---	---	16.481
	In brick and block wall	EA	---	---	---	---	16.482

## 16. CLOTHES DRYER EXHAUST DUCT

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.	
			MATLS	LABOR	TOTAL			
DRYER VENT HOOD	Replace dryer vent hood in existing asphalt/fiberglass shingle roof							
	4" wall vent hood	EA	---	---	---	---	16.500	
	4" eave vent hood	EA	---	---	---	---	16.501	
	4" roof vent hood	EA	---	---	---	---	16.502	
	Replace dryer vent hood in existing asphalt/fiberglass shingle roof							
	4" wall vent hood	EA	---	---	---	---	16.503	
	4" eave vent hood	EA	---	---	---	---	16.504	
	4" roof vent hood	EA	---	---	---	---	16.505	
	DRYER EXHAUST DUCT	Install dryer exhaust duct or elbow in open walls and ceiling						
		4" x 8' flexible aluminum pipe	EA	---	---	---	---	16.510
		4" 90° elbow	EA	---	---	---	---	16.511
		Install adjustable periscope vent						
17" to 28"		EA	---	---	---	---	16.512	
29" to 52"		EA	---	---	---	---	16.513	
29" to 77"		EA	---	---	---	---	16.514	
Install owner supplied duct								
4" x 8' flexible aluminum pipe		EA	---	---	---	---	16.515	
4" 90° elbow		EA	---	---	---	---	16.516	
Adjustable periscope vent		EA	---	---	---	---	16.517	
DRYER VENT HOOD		Install dryer vent hood						
	In framed wall	EA	---	---	---	---	16.520	
	In brick veneer wall	EA	---	---	---	---	16.521	
	In brick and block wall	EA	---	---	---	---	16.522	
	In poured concrete wall	EA	---	---	---	---	16.523	
	Install 4" eave vent hood	EA	---	---	---	---	16.525	
	Install 4" roof vent hood in roof							
	<b>Type of Roof Covering</b>							
	Asphalt or fiberglass	EA	---	---	---	---	16.530	
	Slate	EA	---	---	---	---	16.531	
	Clay tile	EA	---	---	---	---	16.532	
	Cedar shingles or shakes	EA	---	---	---	---	16.533	
Concrete tile	EA	---	---	---	---	16.534		
Copper or metal	EA	---	---	---	---	16.535		

## 16. HOUSE VENTILATION FANS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
ROOF VENTILATION FAN	Replace existing roof ventilation fan with new fan in asphalt/fiberglass shingle roof <ul style="list-style-type: none"> <li>■ 1500 CFM, 1/4 hp</li> <li>■ 120 V AC, 60 hz</li> <li>■ 13" aluminum blade (4 fins)</li> <li>■ 24" diameter heavy gauge aluminum housing, 11" high</li> <li>■ Roof cutout 14-1/2"</li> <li>■ Thermostat operation</li> </ul>						
	Furnish and install	EA	---	---	---	---	16.600
	Install Owner's fan	EA	---	---	---	---	16.601
GABLE VENTILATION FAN	Replace existing gable mount ventilation fan with new fan <ul style="list-style-type: none"> <li>■ 2000 CFM, 1/5 hp</li> <li>■ 120 V AC, 60 hz</li> <li>■ 16" aluminum blade (4 fins)</li> <li>■ 16-3/4" diameter zinc coated steel housing 11" deep</li> <li>■ Louver frame attached to fan housing</li> <li>■ Aluminum louvers open and close when fan operates and shuts off</li> <li>■ Thermostat operation</li> </ul>						
	Furnish and install	EA	---	---	---	---	16.610
	Install Owner's fan	EA	---	---	---	---	16.611
WHOLE HOUSE VENTILATION FAN	Replace existing whole house ventilation fan with new fan <ul style="list-style-type: none"> <li>■ 3000 CFM, 1/4 hp</li> <li>■ 120 V AC, 60 hz</li> <li>■ 20" aluminum blade (3 fins)</li> <li>■ 24" square all-steel, self-framing housing 12-1/2" deep</li> <li>■ Louver attaches directly to housing</li> <li>■ Single speed</li> </ul>						
	Furnish and install	EA	---	---	---	---	16.620
	Install Owner's fan	EA	---	---	---	---	16.621

## 17. VAPOR BARRIER AND DUCT WRAP

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
VAPOR BARRIER	Lay 4-mil vapor barrier on ground in crawl space						
	Up to 120 SF of vapor barrier	MIN	---	---	---	---	17.000
	Additional vapor barrier over 120 SF <b>ADD</b>	SF	---	---	---	---	17.001
WRAP HEATING AND COOLING DUCT	Insulate heating and cooling duct with 1-1/2" R-4.2 foil faced fiberglass duct wrap						
	Up to 16 LF Round 6" wrap	MIN	---	---	---	---	17.100
	Additional duct wrap over 16 LF <b>ADD</b>	LF	---	---	---	---	17.101
	Up to 16 LF Round 8" wrap	MIN	---	---	---	---	17.102
	Additional duct wrap over 16 LF <b>ADD</b>	LF	---	---	---	---	17.103
	Up to 16 LF Rectangular 8" x 8" wrap	MIN	---	---	---	---	17.104
	Additional duct wrap over 16 LF <b>ADD</b>	LF	---	---	---	---	17.105
	Up to 16 LF Rectangular 12" x 8" wrap	MIN	---	---	---	---	17.106
	Additional duct wrap over 16 LF <b>ADD</b>	LF	---	---	---	---	17.107
	Up to 16 LF Rectangular 16" x 8" wrap	MIN	---	---	---	---	17.108
	Additional duct wrap over 16 LF <b>ADD</b>	LF	---	---	---	---	17.109
	Up to 16 LF Rectangular 24" x 8" wrap	MIN	---	---	---	---	17.110
	Additional duct wrap over 16 LF <b>ADD</b>	LF	---	---	---	---	17.111
	Up to 16 LF Rectangular 12" x 12" wrap	MIN	---	---	---	---	17.112
	Additional duct wrap over 16 LF <b>ADD</b>	LF	---	---	---	---	17.113
	Up to 16 LF Rectangular 16" x 12" wrap	MIN	---	---	---	---	17.114
Additional duct wrap over 16 LF <b>ADD</b>	LF	---	---	---	---	17.115	
Up to 16 LF Rectangular 24" x 12" wrap	MIN	---	---	---	---	17.116	
Additional duct wrap over 16 LF <b>ADD</b>	LF	---	---	---	---	17.117	

## 17. STAIRWAY AND KNEEWALL INSULATION

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
INSULATE TRAP DOOR	Staple up to 10" thick fiberglass blanket insulation to attic trap door	EA	---	---	---	---	17.120
INSULATE PULL DOWN STAIRWAY	Insulate pull down (disappearing) stairway <ul style="list-style-type: none"> <li>■ Construct 2" x 8" curb box and attach to frame around perimeter of opening in attic floor</li> <li>■ Cut 1/2" CDX plywood to fit on top of new curb box</li> <li>■ Attach R-30 (9-1/2") fiberglass blanket insulation to plywood cap and R-19 (6-1/4") fiberglass blanket insulation around the perimeter of curb box</li> <li>■ Install 4 latches to fasten plywood cap tightly to the top of curb box</li> </ul>	EA	---	---	---	---	17.121
INSULATE KNEEWALL	Staple fiberglass blanket insulation to existing kneewall in attic up to 72" high						
	Up to 48 SF unfaced R-13 (3-5/8")	MIN	---	---	---	---	17.122
	Additional R-13 over 48 SF <b>ADD</b>	SF	---	---	---	---	17.123
	Up to 48 SF unfaced R-19 (6-1/4")	MIN	---	---	---	---	17.124
	Additional R-19 over 48 SF <b>ADD</b>	SF	---	---	---	---	17.125
	Up to 48 SF foil faced R-13 (3-5/8")	MIN	---	---	---	---	17.126
	Additional R-13 over 48 SF <b>ADD</b>	SF	---	---	---	---	17.127
	Up to 48 SF foil faced R-19 (6-1/4")	MIN	---	---	---	---	17.128
	Additional R-19 over 48 SF <b>ADD</b>	SF	---	---	---	---	17.129
	Up to 48 SF kraft faced R-13 (3-5/8")	MIN	---	---	---	---	17.130
	Additional R-13 over 48 SF <b>ADD</b>	SF	---	---	---	---	17.131
	Up to 48 SF kraft faced R-19 (6-1/4")	MIN	---	---	---	---	17.132
	Additional R-19 over 48 SF <b>ADD</b>	SF	---	---	---	---	17.133

## 17. CRAWL SPACE INSULATION

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
CRAWL SPACE INSULATION	Install fiberglass blanket insulation between joists of floor above 18" to 48" headroom crawl space with foil or kraft faced vapor barrier facing living area above						
	Up to 120 SF Foilback R-13 (3-5/8")	MIN	---	---	---	---	17.140
	Additional R-13 over 120 SF <b>ADD</b>	SF	---	---	---	---	17.141
	Up to 120 SF Foilback R-19 (6-1/4")	MIN	---	---	---	---	17.142
	Additional R-19 over 120 SF <b>ADD</b>	SF	---	---	---	---	17.143
	Up to 120 SF foilback R-30 (9-1/2")	MIN	---	---	---	---	17.144
	Additional R-30 over 120 SF <b>ADD</b>	SF	---	---	---	---	17.145
	Up to 120 SF kraftback R-13 (3-5/8")	MIN	---	---	---	---	17.146
	Additional R-13 over 120 SF <b>ADD</b>	SF	---	---	---	---	17.147
	Up to 120 SF kraftback R-19 (6-1/4")	MIN	---	---	---	---	17.148
	Additional R-19 over 120 SF <b>ADD</b>	SF	---	---	---	---	17.149
	Up to 120 SF kraftback R-30 (9-1/2")	MIN	---	---	---	---	17.150
	Additional R-30 over 120 SF <b>ADD</b>	SF	---	---	---	---	17.151

## 17. BASEMENT INSULATION

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
INSULATE BASEMENT WALL	Insulate basement wall with flame-resistant facing when insulation will be left exposed						
	Up to 15 LF R-11 (3-1/8") 48" wide	MIN	---	---	---	---	17.160
	Additional R-11 over 15 LF <b>ADD</b>	LF	---	---	---	---	17.161
	Up to 15 LF R-11 (3-1/8") 60" wide	MIN	---	---	---	---	17.162
	Additional R-11 over 15 LF <b>ADD</b>	LF	---	---	---	---	17.163
FULL HEIGHT BASEMENT CEILING INSULATION	Install fiberglass blanket insulation between joists of floor above full height (8'-0") basement ceiling with foil or kraft faced vapor barrier facing living area above						
	Up to 120 SF Foilback R-13 (3-5/8")	MIN	---	---	---	---	17.164
	Additional R-13 over 120 SF <b>ADD</b>	SF	---	---	---	---	17.165
	Up to 120 SF Foilback R-19 (6-1/4")	MIN	---	---	---	---	17.166
	Additional R-19 over 120 SF <b>ADD</b>	SF	---	---	---	---	17.167
	Up to 120 SF Foilback R-30 (9-1/2")	MIN	---	---	---	---	17.168
	Additional R-30 over 120 SF <b>ADD</b>	SF	---	---	---	---	17.169
	Up to 120 SF Kraftback R-13 (3-5/8")	MIN	---	---	---	---	17.170
	Additional R-13 over 120 SF <b>ADD</b>	SF	---	---	---	---	17.171
	Up to 120 SF kraftback R-19 (6-1/4")	MIN	---	---	---	---	17.172
	Additional R-19 over 120 SF <b>ADD</b>	SF	---	---	---	---	17.173
	Up to 120 SF kraftback R-30 (9-1/2")	MIN	---	---	---	---	17.174
Additional R-30 over 120 SF <b>ADD</b>	SF	---	---	---	---	17.175	

## 17. ATTIC INSULATION

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
ATTIC INSULATION	Install fiberglass blanket insulation between joists of unfinished attic with foil or kraft faced vapor barrier facing living area below						
	Up to 200 SF foil faced R-13 (3-5/8")	MIN	---	---	---	---	17.180
	Additional R-13 over 200 SF <b>ADD</b>	SF	---	---	---	---	17.181
	Up to 200 SF foil faced R-19 (6-1/4")	MIN	---	---	---	---	17.182
	Additional R-19 over 200 SF <b>ADD</b>	SF	---	---	---	---	17.183
	Up to 200 SF foil faced R-30 (9-1/2")	MIN	---	---	---	---	17.184
	Additional R-30 over 200 SF <b>ADD</b>	SF	---	---	---	---	17.185
	Up to 200 SF Kraft faced R-13 (3-5/8")	MIN	---	---	---	---	17.186
	Additional R-13 over 200 SF <b>ADD</b>	SF	---	---	---	---	17.187
	Up to 200 SF Kraft faced R-19 (6-1/4")	MIN	---	---	---	---	17.188
	Additional R-19 over 200 SF <b>ADD</b>	SF	---	---	---	---	17.189
	Up to 200 SF Kraft faced R-30 (9-1/4")	MIN	---	---	---	---	17.190
Additional R-30 over 200 SF <b>ADD</b>	SF	---	---	---	---	17.191	
BAFFLE	Install baffle around recessed light, open ceiling						
	Up to one light baffle	MIN	---	---	---	---	17.192
	Additional light baffles over one <b>ADD</b>	EA	---	---	---	---	17.193
	Install baffle around chimney	EA	---	---	---	---	17.194
	Install baffle around fan	EA	---	---	---	---	17.195
	Install 48" long ventilation baffles in rafter spaces						
	Up to 12 baffles 14" wide	MIN	---	---	---	---	17.196
	Additional baffles 14" wide <b>ADD</b>	EA	---	---	---	---	17.197
	Up to 12 baffles 22" wide	MIN	---	---	---	---	17.198
Additional baffles 22" wide <b>ADD</b>	EA	---	---	---	---	17.199	

## 17. BLOWN-IN INSULATION

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
BLOWN-IN FIBERGLASS	Fiberglass insulation blown in between open joists, including blower rental @ \$50 per day (materials)						
	<b>Unrestricted Area</b>						
	Up to 200 SF R-19 (7")	MIN	---	---	---	---	17.200
	Additional R-19 over 200 SF <b>ADD</b>	SF	---	---	---	---	17.201
	Up to 200 SF R-30 (11-1/4")	MIN	---	---	---	---	17.202
	Additional R-30 over 200 SF <b>ADD</b>	SF	---	---	---	---	17.203
	Up to 200 SF R-49 (18-1/4")	MIN	---	---	---	---	17.204
	Additional R-49 over 200 SF <b>ADD</b>	SF	---	---	---	---	17.205
	<b>Difficult Access Area</b>						
	Up to 200 SF R-19 (7")	MIN	---	---	---	---	17.210
	Additional R-19 over 200 SF <b>ADD</b>	SF	---	---	---	---	17.211
	Up to 200 SF R-30 (11-1/4")	MIN	---	---	---	---	17.212
	Additional R-30 over 200 SF <b>ADD</b>	SF	---	---	---	---	17.213
	Up to 200 SF R-49 (18-1/4")	MIN	---	---	---	---	17.214
	Additional R-49 over 200 SF <b>ADD</b>	SF	---	---	---	---	17.215
	BLOWN-IN CELLULOSE	Fire retardant cellulose blown in between open joists, including blower rental @ \$50 per day (materials)					
<b>Unrestricted Area</b>							
Up to 200 SF R-22 (5-3/4")		MIN	---	---	---	---	17.250
Additional R-22 over 200 SF <b>ADD</b>		SF	---	---	---	---	17.251
Up to 200 SF R-32 (8-1/2")		MIN	---	---	---	---	17.252
Additional R-32 over 200 SF <b>ADD</b>		SF	---	---	---	---	17.253
Up to 200 SF R-42 (11-1/2")		MIN	---	---	---	---	17.254
Additional R-42 over 200 SF <b>ADD</b>		SF	---	---	---	---	17.255
<b>Difficult Access Area</b>							
Up to 200 SF R-22 (5-3/4")		MIN	---	---	---	---	17.260
Additional R-22 over 200 SF <b>ADD</b>		SF	---	---	---	---	17.261
Up to 200 SF R-32 (8-1/2")		MIN	---	---	---	---	17.262
Additional R-32 over 200 SF <b>ADD</b>		SF	---	---	---	---	17.263
Up to 200 SF R-42 (11-1/2")		MIN	---	---	---	---	17.264
Additional R-42 over 200 SF <b>ADD</b>		SF	---	---	---	---	17.265

# 18. GYPSUM DRYWALL

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.	
			MATLS	LABOR	TOTAL			
GYPSUM DRYWALL ON NEW WALL — COMPLETE JOB	Gypsum drywall (sheetrock) nailed or screwed into studs or furring, taped, finished and sanded, 3 coats							
	3/8", up to 100 SF	MIN	---	---	---	---	18.000	
	Additional area over 100 SF <b>ADD</b>	SF	---	---	---	---	18.001	
	1/2", up to 100 SF	MIN	---	---	---	---	18.002	
	Additional area over 100 SF <b>ADD</b>	SF	---	---	---	---	18.003	
	1/2" firecode, up to 100 SF	MIN	---	---	---	---	18.004	
	Additional area over 100 SF <b>ADD</b>	SF	---	---	---	---	18.005	
	5/8" firecode, up to 100 SF	MIN	---	---	---	---	18.006	
	Additional area over 100 SF <b>ADD</b>	SF	---	---	---	---	18.007	
	1/2" moisture resistant, up to 100 SF	MIN	---	---	---	---	18.008	
	Additional area over 100 SF <b>ADD</b>	SF	---	---	---	---	18.009	
	DRYWALL OVER EXISTING WALL — COMPLETE JOB	Gypsum drywall (sheetrock) nailed or screwed through existing wall finish and into studs or furring, taped, finished and sanded 3 coats						
		3/8", up to 100 SF	MIN	---	---	---	---	18.020
		Additional area over 100 SF <b>ADD</b>	SF	---	---	---	---	18.021
1/2", up to 100 SF		MIN	---	---	---	---	18.022	
Additional area over 100 SF <b>ADD</b>		SF	---	---	---	---	18.023	
1/2" firecode, up to 100 SF		MIN	---	---	---	---	18.024	
Additional area over 100 SF <b>ADD</b>		SF	---	---	---	---	18.025	
5/8" firecode, up to 100 SF		MIN	---	---	---	---	18.026	
Additional area over 100 SF <b>ADD</b>		SF	---	---	---	---	18.027	
1/2" moisture resistant, up to 100 SF		MIN	---	---	---	---	18.028	
Additional area over 100 SF <b>ADD</b>		SF	---	---	---	---	18.029	

## 18. PATCHING WALLS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
PATCH HOLES	Patch holes in gypsum drywall or plastered walls						
	Patch up to 3 holes, 1" diameter	MIN	---	---	---	---	18.050
	Additional 1" diameter holes over 3 <b>ADD</b>	EA	---	---	---	---	18.051
	Patch 1 hole, 2" to 12" diameter	MIN	---	---	---	---	18.052
	Additional 2"-12" diameter holes <b>ADD</b>	EA	---	---	---	---	18.053
	Patch holes in gypsum drywall or plastered walls more than 12" diameter						
PATCH CRACKS	Patch 1 hole, 14" to 36" diameter	MIN	---	---	---	---	18.060
	Additional 14"-36" diameter holes <b>ADD</b>	EA	---	---	---	---	18.061
	Patch cracks in existing plastered wall						
	Patch up to 5 LF of cracks	MIN	---	---	---	---	18.062
	Additional cracks over 5 LF <b>ADD</b>	LF	---	---	---	---	18.063
	Patch cracks in existing gypsum drywall						
CORRECT NAIL POPS	Patch up to 5 LF of cracks	MIN	---	---	---	---	18.064
	Additional cracks over 5 LF <b>ADD</b>	LF	---	---	---	---	18.065
	Correct nail pops in existing gypsum drywall, no paint touch-up included	EA	---	---	---	---	18.066
	EA = Up to one dozen nail pops						
	REPAIR TAPE JOINTS						
	Remove existing tape from drywall joint, apply new joint tape, block coat, skim coat and sand, no paint touch-up included						
Up to 8 LF of tape removed and applied	MIN	---	---	---	---	18.067	
Additional tape over 8 LF <b>ADD</b>	LF	---	---	---	---	18.068	

## 18. CERAMIC AND MARBLE TILE REPAIR

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.	
		MATLS	LABOR	TOTAL			
REGROUT TILE	RegROUT existing ceramic or marble tile <ul style="list-style-type: none"> <li>■ Dig or cut out old grout from joints</li> <li>■ Apply new grout into joints</li> <li>■ Wipe down and clean surfaces thoroughly</li> </ul>						
	RegROUT up to 5 LF of grout joint	MIN	---	---	---	---	18.100
	RegROUT additional LF <b>ADD</b>	LF	---	---	---	---	18.101
SEAL GROUT	Seal cured grout joints with silicone sealer						
	Seal up to 40 SF of tile	MIN	---	---	---	---	18.110
	Seal additional SF of 1" x 1" tile <b>ADD</b>	SF	---	---	---	---	18.111
	Seal additional SF of 2" x 2" tile <b>ADD</b>	SF	---	---	---	---	18.112
	Seal additional SF of 4" x 4" tile <b>ADD</b>	SF	---	---	---	---	18.113
	Seal additional SF of 8" x 8" tile <b>ADD</b>	SF	---	---	---	---	18.114
	Seal additional SF of 12" x 12" tile <b>ADD</b>	SF	---	---	---	---	18.115
REPLACE TILE	Replace tile, including removing defective or broken tiles and grouting						
	<b>Tile @ \$2.00 SF</b>						
	Replace up to 1 tile	MIN	---	---	---	---	18.120
	Replace additional 1" x 1" tile <b>ADD</b>	EA	---	---	---	---	18.121
	Replace additional 2" x 2" tile <b>ADD</b>	EA	---	---	---	---	18.122
	Replace additional 4" x 4" tile <b>ADD</b>	EA	---	---	---	---	18.123
	Replace additional 8" x 8" tile <b>ADD</b>	EA	---	---	---	---	18.124
	Replace additional 12" x 12" tile <b>ADD</b>	EA	---	---	---	---	18.125
	<b>Tile @ \$8.00 SF</b>						
	Replace up to 1 tile	MIN	---	---	---	---	18.130
	Replace additional 1" x 1" tile <b>ADD</b>	EA	---	---	---	---	18.131
	Replace additional 2" x 2" tile <b>ADD</b>	EA	---	---	---	---	18.132
	Replace additional 4" x 4" tile <b>ADD</b>	EA	---	---	---	---	18.133
	Replace additional 8" x 8" tile <b>ADD</b>	EA	---	---	---	---	18.134
	Replace additional 12" x 12" tile <b>ADD</b>	EA	---	---	---	---	18.135

## 18. CERAMIC TILE FIXTURES

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE CERAMIC FIXTURE	Replace ceramic tile fixture in original location <ul style="list-style-type: none"> <li>■ Clean off existing location for fixture</li> <li>■ Adhere fixture to its location and tape off to secure it</li> <li>■ After adhesive has cured, grout in around fixture</li> </ul>						
	Towel bar support	EA	---	---	---	---	18.150
	Soap dish	EA	---	---	---	---	18.151
	Soap and grab	EA	---	---	---	---	18.152
	Corner soap dish	EA	---	---	---	---	18.153
	Toothbrush and glass holder	EA	---	---	---	---	18.154
	Paper holder	EA	---	---	---	---	18.155
RESET CERAMIC FIXTURE	Reset existing ceramic tile fixture in same location <ul style="list-style-type: none"> <li>■ Clean off both the original fixture and its location</li> <li>■ Adhere fixture to its location and tape off to secure it</li> <li>■ After adhesive has cured, grout in around fixture</li> </ul>	EA	---	---	---	---	18.156

## 18. CAULKING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE EXISTING CAULKING	Replace existing caulking in Bathroom, Kitchen or Laundry Room with mildew resistant silicone caulk <ul style="list-style-type: none"> <li>■ Remove existing caulking bead</li> <li>■ Clean surface thoroughly</li> <li>■ Apply new bead of silicone caulking</li> </ul>						
	Up to 5 LF of caulk	MIN	---	---	---	---	18.200
	Additional LF over 5 LF of caulk <b>ADD</b>	LF	---	---	---	---	18.201
NEW CAULKING	Apply new mildew resistant silicone caulking in Bathroom, Kitchen or Laundry Room (no cleaning out)						
	Up to 5 LF of caulk	MIN	---	---	---	---	18.210
	Additional LF over 5 LF of caulk <b>ADD</b>	LF	---	---	---	---	18.211

## 18. WAINSCOTING AND WALL PANELING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
SOLID WOOD WAINSCOTING	Unfinished, V-joint 3/4" thick and random widths to 10" wide boards, solid wood wainscoting , 36" high, including two piece cap and 4-1/2" base of same material to which the wainscoting is butted						
	Clear yellow pine, up to 12 LF	MIN	---	---	---	---	18.300
	Additional LF over 12 LF <b>ADD</b>	LF	---	---	---	---	18.301
	Knotty white pine, up to 12 LF	MIN	---	---	---	---	18.302
	Additional LF over 12 LF <b>ADD</b>	LF	---	---	---	---	18.303
	Natural red oak, up to 12 LF	MIN	---	---	---	---	18.304
	Additional LF over 12 LF <b>ADD</b>	LF	---	---	---	---	18.305
	Clear walnut, up to 12 LF	MIN	---	---	---	---	18.306
	Additional LF over 12 LF <b>ADD</b>	LF	---	---	---	---	18.307
Clear cherry, up to 12 LF	MIN	---	---	---	---	18.308	
Additional LF over 12 LF <b>ADD</b>	LF	---	---	---	---	18.309	
SOLID WOOD WALL PANELING	Unfinished V-joint 3/4" thick and random widths to 10" wide boards solid wood wall paneling, 8'-0" high, including 4-1/2" base of same material to which the paneling is butted						
	Clear yellow pine, up to 96 SF	MIN	---	---	---	---	18.310
	Additional SF over 96 SF <b>ADD</b>	SF	---	---	---	---	18.311
	Knotty white pine, up to 96 SF	MIN	---	---	---	---	18.312
	Additional SF over 96 SF <b>ADD</b>	SF	---	---	---	---	18.313
	Natural red oak, up to 96 SF	MIN	---	---	---	---	18.314
	Additional SF over 96 SF <b>ADD</b>	SF	---	---	---	---	18.315
	Clear walnut, up to 96 SF	MIN	---	---	---	---	18.316
	Additional SF over 96 SF <b>ADD</b>	SF	---	---	---	---	18.317
Clear walnut, up to 96 SF	MIN	---	---	---	---	18.318	
Additional SF over 96 SF <b>ADD</b>	SF	---	---	---	---	18.319	

# 19. GYPSUM DRYWALL CEILING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
GYPSUM DRYWALL ON NEW CEILING	Up to 300 SF ceiling, nailed or screwed to joists or furring, taped, finished and sanded, 3 coats						
	3/8", up to 100 SF	MIN	---	---	---	---	19.000
	Additional area over 100 SF <b>ADD</b>	SF	---	---	---	---	19.001
	1/2", up to 100 SF	MIN	---	---	---	---	19.002
	Additional area over 100 SF <b>ADD</b>	SF	---	---	---	---	19.003
	1/2" firecode, up to 100 SF	MIN	---	---	---	---	19.004
	Additional area over 100 SF <b>ADD</b>	SF	---	---	---	---	19.005
	5/8" firecode, up to 100 SF	MIN	---	---	---	---	19.006
	Additional area over 100 SF <b>ADD</b>	SF	---	---	---	---	19.007
	1/2" moisture resistant, up to 100 SF	MIN	---	---	---	---	19.008
Additional area over 100 SF <b>ADD</b>	SF	---	---	---	---	19.009	
GYPSUM DRYWALL OVER EXISTING CEILING	Up to 300 SF of ceiling, with nails of required length through existing ceiling finish and into joists or furring above, taped, finished and sanded, 3 coats						
	3/8", up to 100 SF	MIN	---	---	---	---	19.010
	Additional area over 100 SF <b>ADD</b>	SF	---	---	---	---	19.011
	1/2", up to 100 SF	MIN	---	---	---	---	19.012
	Additional area over 100 SF <b>ADD</b>	SF	---	---	---	---	19.013
	5/8" firecode, up to 100 SF	MIN	---	---	---	---	19.014
Additional area over 100 SF <b>ADD</b>	SF	---	---	---	---	19.015	

## 19. PATCHING CEILING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
PATCH HOLES	Patch holes in gypsum drywall or plastered ceiling						
	Up to 3 holes, 1" diameter	MIN	---	---	---	---	19.050
	Additional 1" diameter holes <b>ADD</b>	EA	---	---	---	---	19.051
	One hole, 2"-12" diameter	MIN	---	---	---	---	19.052
	Additional 2"-12" diameter holes <b>ADD</b>	EA	---	---	---	---	19.053
	Patch holes in gypsum drywall or plastered ceiling more than 12" diameter						
	One hole 14"-36" diameter	MIN	---	---	---	---	19.054
	Additional 14"-36" diameter holes <b>ADD</b>	EA	---	---	---	---	19.055
PATCH CRACKS	Patch cracks in existing plastered ceiling						
	Up to 5 LF crack	MIN	---	---	---	---	19.060
	Additional LF cracks over 5 LF <b>ADD</b>	LF	---	---	---	---	19.061
	Patch cracks in existing gypsum drywall						
	Up to 5 LF crack	MIN	---	---	---	---	19.062
	Additional LF cracks over 5 LF <b>ADD</b>	LF	---	---	---	---	19.063
CORRECT NAIL POPS	Correct nail pops in existing gypsum drywall, no paint touch-up included						
	Up to one dozen nail pops	MIN	---	---	---	---	19.070
	Each additional dozen nail pops <b>ADD</b>	EA	---	---	---	---	19.071
REPAIR TAPE JOINTS	Remove existing tape from drywall joint, apply new joint tape, block coat, skim coat and sand, no paint touch-up included						
	Up to 8 LF of tape	MIN	---	---	---	---	19.080
	Additional LF of tape over 8 LF <b>ADD</b>	LF	---	---	---	---	19.081

# 19. COMPOSITION CEILING TILE

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
CEILING TILE STAPLED OR GLUED	12" x 12" or 12" x 24" ceiling tile over existing ceiling or furring strips with staples or adhesive						
	<i>Retail cost per tile</i>						
	Stapled .25	SF	---	---	---	---	19.100
	0.50	SF	---	---	---	---	19.101
	0.75	SF	---	---	---	---	19.102
	1.00	SF	---	---	---	---	19.103
	1.25	SF	---	---	---	---	19.104
	Glued .25	SF	---	---	---	---	19.105
	0.50	SF	---	---	---	---	19.106
	0.75	SF	---	---	---	---	19.107
	1.00	SF	---	---	---	---	19.108
	1.25	SF	---	---	---	---	19.109
FURRING	Install 1" x 3" furring strips 12" OC, ready for installation of ceiling tile	LF	---	---	---	---	19.110
	Install 1"x 3" furring strips 12" OC, nailed through existing plastered or gypsum board ceiling	LF	---	---	---	---	19.111
REPLACE CEILING TILES	Replace damaged ceiling tiles with owner supplied 12" x 12" ceiling tiles, including removing damaged tiles						
	Replace up to 5 tiles	MIN	---	---	---	---	19.120
	Replace additional tiles <b>ADD</b>	EA	---	---	---	---	19.121

## 19. STEEL GRID SUSPENDED CEILING

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
<b>GRID SYSTEM</b>  Suspend ceiling with steel grid system, including entire grid system, runners, cross tees, wall moulding, hooks and wires, and ceiling panels  <div style="text-align: right; margin-right: 20px;"> <b>24" x 24" Panel</b>  <b>SF Retail Cost</b> </div>						
0.35	SF	---	---	---	---	19.150
0.40	SF	---	---	---	---	19.151
0.45	SF	---	---	---	---	19.152
0.50	SF	---	---	---	---	19.153
0.55	SF	---	---	---	---	19.154
0.60	SF	---	---	---	---	19.155
0.65	SF	---	---	---	---	19.156
0.70	SF	---	---	---	---	19.157
0.75	SF	---	---	---	---	19.158
0.80	SF	---	---	---	---	19.159
<div style="text-align: right; margin-right: 20px;"> <b>24" x 48" Panel</b>  <b>SF Retail Cost</b> </div>						
0.35	SF	---	---	---	---	19.160
0.40	SF	---	---	---	---	19.161
0.45	SF	---	---	---	---	19.162
0.50	SF	---	---	---	---	19.163
0.55	SF	---	---	---	---	19.164
0.60	SF	---	---	---	---	19.165
<b>REPLACE GRID CEILING TILES</b>  Replace damaged owner supplied 24" x 24" or 24" x 48" grid system ceiling tiles, including removing damaged tiles  <div style="text-align: right; margin-right: 20px;">                         Replace up to 5 tiles                     </div>	MIN	---	---	---	---	19.170
<div style="text-align: right; margin-right: 20px;">                         Replace additional tiles <b>ADD</b> </div>	EA	---	---	---	---	19.171
<b>GRID SYSTEM COMPONENTS</b>  Replace grid system components, including removing and reinstalling existing tiles  <div style="text-align: right; margin-right: 20px;">                         12' Main runner                     </div>	LF	---	---	---	---	19.172
<div style="text-align: right; margin-right: 20px;">                         4' tee                     </div>	EA	---	---	---	---	19.173
<div style="text-align: right; margin-right: 20px;">                         2' tee                     </div>	EA	---	---	---	---	19.174
<div style="text-align: right; margin-right: 20px;">                         12' Wall angle moulding                     </div>	LF	---	---	---	---	19.175
<div style="text-align: right; margin-right: 20px;">                         36" hook wire (each hanging wire)                     </div>	EA	---	---	---	---	19.176

## 20. REPLACEMENT DOOR SLAB WITH NEW HARDWARE

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
REPLACE DOOR SLAB WITH NEW HARDWARE  Remove existing door slab and replace with new door slab on existing jambs using new hardware <ul style="list-style-type: none"> <li>■ 2 hinges @ \$6.00 each</li> <li>■ Privacy lockset @ \$15</li> <li>■ Modify hinge mortises on existing jamb</li> </ul>						
<b>Birch Flush Hollow Core</b>						
1-6 x 6-8	EA	---	---	---	---	20.000
2-0 x 6-8	EA	---	---	---	---	20.001
2-4 x 6-8	EA	---	---	---	---	20.002
2-6 x 6-8	EA	---	---	---	---	20.003
2-8 x 6-8	EA	---	---	---	---	20.004
3-0 x 6-8	EA	---	---	---	---	20.005
<b>Pine 6 Panel</b>						
1-6 x 6-8	EA	---	---	---	---	20.006
2-0 x 6-8	EA	---	---	---	---	20.007
2-4 x 6-8	EA	---	---	---	---	20.008
2-6 x 6-8	EA	---	---	---	---	20.009
2-8 x 6-8	EA	---	---	---	---	20.010
3-0 x 6-8	EA	---	---	---	---	20.011
<b>Hardboard Flush HC</b>						
1-6 x 6-8	EA	---	---	---	---	20.012
2-0 x 6-8	EA	---	---	---	---	20.013
2-4 x 6-8	EA	---	---	---	---	20.014
2-6 x 6-8	EA	---	---	---	---	20.015
2-8 x 6-8	EA	---	---	---	---	20.016
3-0 x 6-8	EA	---	---	---	---	20.017
<b>Hardboard Faced, 6 Raised Panels</b>						
1-6 x 6-8	EA	---	---	---	---	20.018
2-0 x 6-8	EA	---	---	---	---	20.019
2-4 x 6-8	EA	---	---	---	---	20.020
2-6 x 6-8	EA	---	---	---	---	20.021
2-8 x 6-8	EA	---	---	---	---	20.022
3-0 x 6-8	EA	---	---	---	---	20.023
<b>French Door</b>						
10 lites 1-6 x 6-8	EA	---	---	---	---	20.024
2-0 x 6-8	EA	---	---	---	---	20.025
15 lites 2-4 x 6-8	EA	---	---	---	---	20.026
2-6 x 6-8	EA	---	---	---	---	20.027
2-8 x 6-8	EA	---	---	---	---	20.028
3-0 x 6-8	EA	---	---	---	---	20.029

## 20. REPLACEMENT DOOR SLAB WITH OWNER'S HARDWARE

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
REPLACE DOOR SLAB WITH OWNER'S HARDWARE  Remove existing door slab and replace with new door slab on existing jambs using Owner's hardware <ul style="list-style-type: none"> <li>■ 2 hinges</li> <li>■ Privacy lockset</li> </ul>						
<b><i>Birch Flush Hollow Core</i></b>						
1-6 x 6-8	EA	---	---	---	---	20.050
2-0 x 6-8	EA	---	---	---	---	20.051
2-4 x 6-8	EA	---	---	---	---	20.052
2-6 x 6-8	EA	---	---	---	---	20.053
2-8 x 6-8	EA	---	---	---	---	20.054
3-0 x 6-8	EA	---	---	---	---	20.055
<b><i>Pine 6 Panel</i></b>						
1-6 x 6-8	EA	---	---	---	---	20.056
2-0 x 6-8	EA	---	---	---	---	20.057
2-4 x 6-8	EA	---	---	---	---	20.058
2-6 x 6-8	EA	---	---	---	---	20.059
2-8 x 6-8	EA	---	---	---	---	20.060
3-0 x 6-8	EA	---	---	---	---	20.061
<b><i>Hardboard Flush HC</i></b>						
1-6 x 6-8	EA	---	---	---	---	20.062
2-0 x 6-8	EA	---	---	---	---	20.063
2-4 x 6-8	EA	---	---	---	---	20.064
2-6 x 6-8	EA	---	---	---	---	20.065
2-8 x 6-8	EA	---	---	---	---	20.066
3-0 x 6-8	EA	---	---	---	---	20.067
<b><i>Hardboard Faced, 6 Raised Panels</i></b>						
1-6 x 6-8	EA	---	---	---	---	20.068
2-0 x 6-8	EA	---	---	---	---	20.069
2-4 x 6-8	EA	---	---	---	---	20.070
2-6 x 6-8	EA	---	---	---	---	20.071
2-8 x 6-8	EA	---	---	---	---	20.072
3-0 x 6-8	EA	---	---	---	---	20.073
<b><i>French Door</i></b>						
10 lites 1-6 x 6-8	EA	---	---	---	---	20.074
2-0 x 6-8	EA	---	---	---	---	20.075
15 lites 2-4 x 6-8	EA	---	---	---	---	20.076
2-6 x 6-8	EA	---	---	---	---	20.077
2-8 x 6-8	EA	---	---	---	---	20.078
3-0 x 6-8	EA	---	---	---	---	20.079

## 20. FIELD-HUNG INTERIOR DOOR UNITS

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
FIELD-HUNG DOOR						
<ul style="list-style-type: none"> <li>■ Interior 1-3/8" door</li> <li>■ Stain grade jamb</li> <li>■ 2 sides casing</li> <li>■ Privacy lock @ \$15</li> </ul>						
<b><i>Birch Flush Hollow Core</i></b>						
1-6 x 6-8	EA	---	---	---	---	20.101
2-0 x 6-8	EA	---	---	---	---	20.102
2-4 x 6-8	EA	---	---	---	---	20.103
2-6 x 6-8	EA	---	---	---	---	20.104
2-8 x 6-8	EA	---	---	---	---	20.105
3-0 x 6-8	EA	---	---	---	---	20.106
<b><i>Pine 6 Panel</i></b>						
1-6 x 6-8	EA	---	---	---	---	20.107
2-0 x 6-8	EA	---	---	---	---	20.108
2-4 x 6-8	EA	---	---	---	---	20.109
2-6 x 6-8	EA	---	---	---	---	20.110
2-8 x 6-8	EA	---	---	---	---	20.111
3-0 x 6-8	EA	---	---	---	---	20.112
<b><i>Hardboard Flush HC</i></b>						
1-6 x 6-8	EA	---	---	---	---	20.113
2-0 x 6-8	EA	---	---	---	---	20.114
2-4 x 6-8	EA	---	---	---	---	20.115
2-6 x 6-8	EA	---	---	---	---	20.116
2-8 x 6-8	EA	---	---	---	---	20.117
3-0 x 6-8	EA	---	---	---	---	20.118
<b><i>Hardboard Faced, 6 Raised Panels</i></b>						
1-6 x 6-8	EA	---	---	---	---	20.119
2-0 x 6-8	EA	---	---	---	---	20.120
2-4 x 6-8	EA	---	---	---	---	20.121
2-6 x 6-8	EA	---	---	---	---	20.122
2-8 x 6-8	EA	---	---	---	---	20.123
3-0 x 6-8	EA	---	---	---	---	20.124
<b><i>Double French Doors</i></b>						
10 lites 1-6 x 6-8	SET	---	---	---	---	20.125
2-0 x 6-8	SET	---	---	---	---	20.126
15 lites 2-4 x 6-8	SET	---	---	---	---	20.127
2-6 x 6-8	SET	---	---	---	---	20.128
2-8 x 6-8	SET	---	---	---	---	20.129
3-0 x 6-8	SET	---	---	---	---	20.130

## 20. PRE-HUNG INTERIOR DOOR UNITS

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
<b>PRE-HUNG DOOR</b>  <ul style="list-style-type: none"> <li>■ Interior 1-3/8" door</li> <li>■ Stain grade jamb</li> <li>■ 2 sides casing</li> <li>■ Privacy lock @ \$15</li> </ul>						
<b><i>Birch Flush Hollow Core</i></b>						
	1-6 x 6-8	EA	---	---	---	20.140
	2-0 x 6-8	EA	---	---	---	20.141
	2-4 x 6-8	EA	---	---	---	20.142
	2-6 x 6-8	EA	---	---	---	20.143
	2-8 x 6-8	EA	---	---	---	20.144
	3-0 x 6-8	EA	---	---	---	20.145
<b><i>Pine 6 Panel</i></b>						
	1-6 x 6-8	EA	---	---	---	20.146
	2-0 x 6-8	EA	---	---	---	20.147
	2-4 x 6-8	EA	---	---	---	20.148
	2-6 x 6-8	EA	---	---	---	20.149
	2-8 x 6-8	EA	---	---	---	20.150
	3-0 x 6-8	EA	---	---	---	20.151
<b><i>Hardboard Flush HC</i></b>						
	1-6 x 6-8	EA	---	---	---	20.152
	2-0 x 6-8	EA	---	---	---	20.153
	2-4 x 6-8	EA	---	---	---	20.154
	2-6 x 6-8	EA	---	---	---	20.155
	2-8 x 6-8	EA	---	---	---	20.156
	3-0 x 6-8	EA	---	---	---	20.157
<b><i>Hardboard Faced, 6 Raised Panels</i></b>						
	1-6 x 6-8	EA	---	---	---	20.158
	2-0 x 6-8	EA	---	---	---	20.159
	2-4 x 6-8	EA	---	---	---	20.160
	2-6 x 6-8	EA	---	---	---	20.161
	2-8 x 6-8	EA	---	---	---	20.162
	3-0 x 6-8	EA	---	---	---	20.163
<b><i>Double French Doors</i></b>						
	10 lites 1-6 x 6-8	SET	---	---	---	20.164
	2-0 x 6-8	SET	---	---	---	20.165
	15 lites 2-4 x 6-8	SET	---	---	---	20.166
	2-6 x 6-8	SET	---	---	---	20.167
	2-8 x 6-8	SET	---	---	---	20.168
	3-0 x 6-8	SET	---	---	---	20.169

## 20. INTERIOR DOOR ALTERATIONS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
CUT OFF BOTTOM OF DOOR	Cut off bottom of solid wood door to clear carpeting or new flooring	EA	---	---	---	---	20.170
	Cut off bottom of hollow core door and raise bottom rail inside the veneer	EA	---	---	---	---	20.171
SAND OR PLANE DOOR	Sand or plane door to fit existing opening	EA	---	---	---	---	20.172
STRIKE PLATE	Reset strikeplate so latch bolt catches properly	EA	---	---	---	---	20.173
	File strikeplate to enlarge opening	EA	---	---	---	---	20.174
	Lubricate latch and/or lock bolt with graphite or dry spray silicone	EA	---	---	---	---	20.175
CORRECT DOOR PANEL SAG	Separate stiles from rails, inject glue and clamp square EA = Each door	EA	---	---	---	---	20.176
REPLACE LOCKSET	Remove existing lockset and replace with new satin brass lockset without boring new holes	EA	---	---	---	---	20.177
	Remove existing lockset and replace with Owner's new lockset without boring new holes	EA	---	---	---	---	20.178
MORTISE LOCKSET	Remove existing mortise lockset and install new mortise lockset with satin brass hardware accessories	EA	---	---	---	---	20.179
MORTISE BOX	Remove existing mortise box and install new mortise box with existing hardware	EA	---	---	---	---	20.180
	Increase size of existing mortise cavity for larger mortise box	EA	---	---	---	---	20.181
	Patch and fill existing mortise box <ul style="list-style-type: none"> <li>■ Patch and fill existing mortise box cavity</li> <li>■ Plug interior and exterior through bored holes</li> <li>■ Sand or plane smooth</li> </ul>	EA	---	---	---	---	20.182
NEW STANDARD BORE LOCKSET	Lay out and bore holes for new standard bore interior lockset and install lockset						
	New satin brass lockset	EA	---	---	---	---	20.184
	Install Owner supplied lockset	EA	---	---	---	---	20.185
NEW MORTISE LOCKSET	Lay out and cut mortise cavity box to accept new mortise box and install						
	New polished brass turn knobs	EA	---	---	---	---	20.187
	Install Owner supplied mortise lockset	EA	---	---	---	---	20.188

## 20. POCKET, BIFOLD AND BY-PASS DOOR ALTERATIONS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
ADJUST POCKET DOOR	<ul style="list-style-type: none"> <li>■ Open wall and remove base and casing, saving them for reuse</li> <li>■ Undercut, reset, adjust and lubricate pocket door</li> <li>■ Close wall with 1/2" gypsum board, finished and sanded, ready for painting</li> <li>■ Reinstall base and casing</li> </ul>	EA	---	---	---	---	20.190
BIFOLD DOOR	Adjust bifold door for smooth operation  EA = Each 2 panel unit	EA	---	---	---	---	20.191
BY-PASS SLIDING DOOR	Adjust by-pass sliding doors for smooth operation	EA	---	---	---	---	20.192
	Remove existing roller hardware from by-pass sliding door and install new rollers so panel operates smoothly  EA = Each door	EA	---	---	---	---	20.193

## 20. REPLACE INTERIOR DOOR HINGES

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
REPLACE HINGES	Replace hinges with new satin brass hinges in same hinge mortises					
	2" x 2"	EA	---	---	---	20.200
	2-1/2" x 2-1/2"	EA	---	---	---	20.201
	3" x 3"	EA	---	---	---	20.202
	3-1/2" x 3-1/2"	EA	---	---	---	20.203
	4" x 4"	EA	---	---	---	20.204
EA = Each hinge						
SPRING HINGES	Replace hinges with new satin brass spring hinges					
	3-1/2" x 3-1/2"	EA	---	---	---	20.210
	4" x 4"	EA	---	---	---	20.211
EA = Each hinge						
RISING HINGES	Replace hinges with new satin brass rising hinges					
	3-1/2" x 3-1/2"	EA	---	---	---	20.220
	4" x 4"	EA	---	---	---	20.221
EA = Each hinge						
SWINGING HINGES	Replace existing "Bomber" swinging hinge with new "Bomber" swinging hinge, including new polished brass concealment plates					
	Light duty, up to 35 lb. door	EA	---	---	---	20.230
	Heavy duty, up to 90 lb. door	EA	---	---	---	20.231
	Install Owner supplied swinging hinge	EA	---	---	---	20.232

## 20. INTERIOR DOOR HINGES

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
<b>REVERSE HINGES</b>  Reverse hinges and lockset on existing interior door and hang door on opposite jamb <ul style="list-style-type: none"> <li>■ Remove door from opening and remove hinges, lockset and strikeplate from door and jambs</li> <li>■ Modify existing hinge mortises on door and install hinges</li> <li>■ Cut new hinge mortises on opposite jamb and hang door</li> <li>■ Install lockset in existing bored hole location</li> <li>■ Fill old hinge mortises on door jamb and install strikeplate</li> </ul>						
<b><i>Door with standard lockset</i></b>						
2 hinge door	EA	---	---	---	---	20.250
3 hinge door	EA	---	---	---	---	20.251
<b><i>Door with mortise lockset</i></b>						
2 hinge door	EA	---	---	---	---	20.252
3 hinge door	EA	---	---	---	---	20.253
<b>RE-SET SCREWS</b>	RE-set screws in hinges	EA	---	---	---	20.260
	EA = Up to 3 hinges on one door					
<b>ADD HINGE</b>	Add satin brass hinge in middle of door to correct warp					
	2" x 2"	EA	---	---	---	20.270
	2-1/2" x 2-1/2"	EA	---	---	---	20.271
	3" x 3"	EA	---	---	---	20.272
	3-1/2" x 3-1/2"	EA	---	---	---	20.273
	4" x 4"	EA	---	---	---	20.274
<b>RE-POSITION HINGES</b>	Re-position existing hinges to correct door slab alignment with strike side stop	EA	---	---	---	20.280
	EA = Each door					
<b>SWINGING HINGE</b>	Install new "Bomber" swinging hinge to existing door, including all hardware, accessories and polished brass concealment plates					
	Light duty, up to 35 lb. Door	EA	---	---	---	20.290
	Heavy duty, up to 90 lb. Door	EA	---	---	---	20.291
	Install Owner supplied swinging hinge	EA	---	---	---	20.292

## 20. CASINGS AND JAMBS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
TRIM CASED OPENING	Trim existing opening with jambs and two sides of 2-1/4" casing						
	FJ 3-0 x 6-8	EA	---	---	---	---	20.300
	6-0 x 6-8	EA	---	---	---	---	20.301
	Solid 3-0 x 6-8	EA	---	---	---	---	20.302
	6-0 x 6-8	EA	---	---	---	---	20.303
TRIM ON EXISTING JAMBS	Trim one side only on existing door jambs with 2-1/4" door casing						
	FJ 3-0 x 6-8	EA	---	---	---	---	20.310
	6-0 x 6-8	EA	---	---	---	---	20.311
	Solid 3-0 x 6-8	EA	---	---	---	---	20.312
	6-0 x 6-8	EA	---	---	---	---	20.313
TRIM EXISTING WINDOW	Trim existing window, one side only ■ 2-1/4" solid casing, apron, stool cap and window stops						
	2-0 x 3-2	EA	---	---	---	---	20.320
	2-4 x 4-6	EA	---	---	---	---	20.321
	3-0 x 4-6	EA	---	---	---	---	20.322
	6-0 x 5-6	EA	---	---	---	---	20.323
EXTENSION JAMBS	Extension jambs to extend existing door or window jamb out to and even with wall finish, ready to be cased						
	Up to 2-1/2" deep	LF	---	---	---	---	20.330
	Over 2-1/2" and up to 4-1/2" deep	LF	---	---	---	---	20.331
	Over 4-1/2" and up to 6-1/2" deep	LF	---	---	---	---	20.332
	LF = Perimeter of window or door jamb						

## 20. REPLACE DOOR CASING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
CASING	Remove door casing and replace with new ranch, clamshell or colonial casing						
	One 3-0 door, solid 2-1/4" casing	EA	---	---	---	---	20.350
	3-1/2" casing	EA	---	---	---	---	20.351
	4-1/2" casing	EA	---	---	---	---	20.352
	Two 3-0 doors, solid 2-1/4" casing	EA	---	---	---	---	20.353
	3-1/2" casing	EA	---	---	---	---	20.354
	4-1/2" casing	EA	---	---	---	---	20.355
	EA = Each door opening (one side)						
CASING WITH BACKBAND	Remove door casing and replace with new 3/4" x 3-1/2" flat casing with 11/16" x 1-1/16" backband						
	3-0 door	EA	---	---	---	---	20.360
	Two 3-0 doors	EA	---	---	---	---	20.361
	EA = Each door opening (one side)						
HEAD MOULDING	Install 3/4" x 1-1/4" crown moulding on butted head						
	3-0 door	EA	---	---	---	---	20.370
	Two 3-0 doors	EA	---	---	---	---	20.371
	EA = Each door opening (one side)						
CORNER BLOCKS	Install 2 corner blocks	EA	---	---	---	---	20.380
	EA = Total for both corner blocks						
PLINTH BLOCKS	Install 2 plinth blocks	EA	---	---	---	---	20.381
	EA = Total for both plinth blocks						

## 20. CEILING MOULDINGS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
CEILING MOULDINGS	Bed, cove, crown or picture mouldings						
	Up to 8 LF, 3/4"	MIN	---	---	---	---	20.400
	Additional moulding over 8 LF <b>ADD</b>	LF	---	---	---	---	20.401
	Up to 8 LF, 1-5/8"	MIN	---	---	---	---	20.402
	Additional moulding over 8 LF <b>ADD</b>	LF	---	---	---	---	20.403
	Up to 8 LF, 2-1/4"	MIN	---	---	---	---	20.404
	Additional moulding over 8 LF <b>ADD</b>	LF	---	---	---	---	20.405
	Up to 8 LF, 3-1/4"	MIN	---	---	---	---	20.406
	Additional moulding over 8 LF <b>ADD</b>	LF	---	---	---	---	20.407
	Up to 8 LF, 4-1/4"	MIN	---	---	---	---	20.408
	Additional moulding over 8 LF <b>ADD</b>	LF	---	---	---	---	20.409
Up to 8 LF, 5-1/4"	MIN	---	---	---	---	20.410	
Additional moulding over 8 LF <b>ADD</b>	LF	---	---	---	---	20.411	
3-MEMBER WOOD CORNICE	Install 3-member wood cornice on perimeter of room over true walls						
	5/8" x 1-3/4" and 3/4" x 4-3/4" and 5/8" x 1-3/4"						
	All 3 pieces, up to 8 LF	MIN	---	---	---	---	20.420
	Additional 3 pieces, over 8 LF <b>ADD</b>	LF	---	---	---	---	20.421

## 20. CHAIR RAIL AND PANEL STRIPS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
ONE PIECE CHAIR RAIL	Install one piece chair rail						
	Up to 8 LF of 1 1/16" x 2-1/2"	MIN	---	---	---	---	20.430
	Additional LF over 8 LF <b>ADD</b>	LF	---	---	---	---	20.431
	Up to 8 LF of 7/8" x 2-1/2"	MIN	---	---	---	---	20.432
	Additional LF over 8 LF <b>ADD</b>	LF	---	---	---	---	20.433
	Up to 8 LF of 3/4" x 3"	MIN	---	---	---	---	20.434
	Additional LF over 8 LF <b>ADD</b>	LF	---	---	---	---	20.435
TWO PIECE CHAIR RAIL	Install two piece chair rail with cap trim, <ul style="list-style-type: none"> <li>■ Apron: 5/8" x 2-1/4"</li> <li>■ Cap: 1-1/16" x 1-1/2"</li> </ul>						
	Both pieces up to 8 LF	MIN	---	---	---	---	20.440
	Additional LF over 8 LF <b>ADD</b>	LF	---	---	---	---	20.441
PANEL STRIPS	Install two piece chair rail with backer and front <ul style="list-style-type: none"> <li>5/8" x 4-1/2" backer</li> <li>and</li> <li>1-1/16" x 2-3/4" front</li> </ul>						
	Both pieces up to 8 LF	MIN	---	---	---	---	20.442
	Additional LF over 8 LF <b>ADD</b>	LF	---	---	---	---	20.443
PANEL STRIPS	Panel strips attached to existing plaster, drywall or wood paneled wall for panel effect, all joints mitered						
	5/8" x 7/8", up to 8 LF	MIN	---	---	---	---	20.450
	Additional LF over 8 LF <b>ADD</b>	LF	---	---	---	---	20.451

## 20. BASE MOULDINGS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
FINGERJOINT BASE	Pine clam, ranch or colonial fingerjoint base						
	Up to 8 LF of 2" base	MIN	---	---	---	---	20.460
	Additional LF over 8 LF <b>ADD</b>	LF	---	---	---	---	20.461
	Up to 8 LF of 2-1/4" base	MIN	---	---	---	---	20.462
	Additional LF over 8 LF <b>ADD</b>	LF	---	---	---	---	20.463
	Up to 8 LF of 3-1/4" base	MIN	---	---	---	---	20.464
	Additional LF over 8 LF <b>ADD</b>	LF	---	---	---	---	20.465
	Up to 8 LF of 4-1/4" base	MIN	---	---	---	---	20.466
	Additional LF over 8 LF <b>ADD</b>	LF	---	---	---	---	20.467
	Up to 8 LF of 5-1/4" base	MIN	---	---	---	---	20.468
Additional LF over 8 LF <b>ADD</b>	LF	---	---	---	---	20.469	
SOLID BASE	Pine clam, ranch or colonial solid base						
	Up to 8 LF of 2" base	MIN	---	---	---	---	20.470
	Additional LF over 8 LF <b>ADD</b>	LF	---	---	---	---	20.471
	Up to 8 LF of 2-1/4" base	MIN	---	---	---	---	20.472
	Additional LF over 8 LF <b>ADD</b>	LF	---	---	---	---	20.473
	Up to 8 LF of 3-1/4" base	MIN	---	---	---	---	20.474
	Additional LF over 8 LF <b>ADD</b>	LF	---	---	---	---	20.475
	Up to 8 LF of 4-1/4" base	MIN	---	---	---	---	20.476
	Additional LF over 8 LF <b>ADD</b>	LF	---	---	---	---	20.477
	Up to 8 LF of 5-1/4" base	MIN	---	---	---	---	20.478
Additional LF over 8 LF <b>ADD</b>	LF	---	---	---	---	20.479	

## 20. BASE AND SHOE MOULDINGS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
OAK BASE	Oak base, 3-1/4"						
	Up to 8 LF of 3-1/4" oak base	MIN	---	---	---	---	20.480
	Additional oak base over 8 LF <b>ADD</b>	LF	---	---	---	---	20.481
3-PIECE BASE	3-piece base						
	Top mould, 11/16" x 1-1/8" and Base, 11/16" x 3-1/2" and Oak shoe, 1/2" x 3/4"						
	All 3 pieces, up to 8 LF	MIN	---	---	---	---	20.482
	Additional 3 pieces over 8 LF <b>ADD</b>	LF	---	---	---	---	20.483
SHOE MOULD	1/2" x 3/4" shoe mould						
	Up to 8 LF of Hardwood shoe mould	MIN	---	---	---	---	20.485
	Additional shoe mould over 8 LF <b>ADD</b>	LF	---	---	---	---	20.486
	Up to 8 LF of Pine shoe mould	MIN	---	---	---	---	20.487
	Additional shoe mould over 8 LF <b>ADD</b>	LF	---	---	---	---	20.488

## 20. BOOK AND STORAGE SHELVES

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
<p>SHELVING ON SHELF BRACKETS</p> <p>Fasten slotted standards to existing wall to support shelf brackets for installation of shelves without nailing</p> <ul style="list-style-type: none"> <li>■ Fasten slotted standards to existing wall</li> <li>■ Insert shelf brackets up to 12" long into slotted standards</li> <li>■ No vertical wood supports necessary</li> <li>■ Install shelves on slotted standards brackets</li> </ul> <p style="text-align: center;"><b>#2 Pine</b></p> <p style="text-align: center;">8"</p> <p style="text-align: center;">10"</p> <p style="text-align: center;">12"</p> <p style="text-align: center;"><b>Clear White Pine</b></p> <p style="text-align: center;">8"</p> <p style="text-align: center;">10"</p> <p style="text-align: center;">12"</p> <p style="text-align: center;"><b>Oak</b></p> <p style="text-align: center;">8"</p> <p style="text-align: center;">10"</p> <p style="text-align: center;">12"</p> <p style="text-align: center;"><b>Birch Plywood</b></p> <p style="text-align: center;">8'</p> <p style="text-align: center;">10"</p> <p style="text-align: center;">12"</p> <p style="text-align: center;"><b>Melamine/Particle Board</b></p> <p style="text-align: center;">8"</p> <p style="text-align: center;">10"</p> <p style="text-align: center;">12"</p> <p style="text-align: center;"><b>Medium Density Fiber (MDF)</b></p> <p style="text-align: center;">8"</p> <p style="text-align: center;">10"</p> <p style="text-align: center;">12"</p> <p>LF = Total length of all shelves</p>	LF	---	---	---	---	20.500
	LF	---	---	---	---	20.501
	LF	---	---	---	---	20.502
	LF	---	---	---	---	20.505
	LF	---	---	---	---	20.506
	LF	---	---	---	---	20.507
	LF	---	---	---	---	20.510
	LF	---	---	---	---	20.511
	LF	---	---	---	---	20.512
	LF	---	---	---	---	20.515
	LF	---	---	---	---	20.516
	LF	---	---	---	---	20.517
	LF	---	---	---	---	20.520
	LF	---	---	---	---	20.521
	LF	---	---	---	---	20.522
	LF	---	---	---	---	20.525
	LF	---	---	---	---	20.526
	LF	---	---	---	---	20.527

## 20. BOOKSHELVES

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
<b>BUILT-IN BOOKCASE</b>  Build and install bookcase <ul style="list-style-type: none"> <li>■ Nailed and glued ends</li> <li>■ Vertical supports 30" OC and at each end</li> <li>■ Kickboard</li> <li>■ Top rail</li> <li>■ Shelves spaced 10" OC vertically measured</li> </ul>						
<i><b>Tight Knot Pine Shelving</b></i>						
8"	SF	---	---	---	---	20.550
10"	SF	---	---	---	---	20.551
12"	SF	---	---	---	---	20.552
<i><b>Clear White Pine</b></i>						
8"	SF	---	---	---	---	20.555
10"	SF	---	---	---	---	20.556
12"	SF	---	---	---	---	20.557
<i><b>Birch Plywood</b></i>						
8"	SF	---	---	---	---	20.560
10"	SF	---	---	---	---	20.561
12"	SF	---	---	---	---	20.562
<i><b>Medium Density Fiber (MDF)</b></i>						
8"	SF	---	---	---	---	20.570
10"	SF	---	---	---	---	20.571
12"	SF	---	---	---	---	20.572
						SF = Front square footage
<b>SHELF MOULDING</b>						
Install moulding at shelf edge	LF	---	---	---	---	20.580
<b>STILES</b>						
1" X 2" cwp stiles along vertical supports of bookcase	LF	---	---	---	---	20.581
<b>BACKING</b>						
1/4" plywood or hardboard backing	SF	---	---	---	---	20.585
<b>PIN TYPE SHELF SUPPORTS</b>						
Install pin type shelf supports for shelf installation <ul style="list-style-type: none"> <li>■ Drill 1/4" holes in sides of vertical supports</li> <li>■ Insert metal pin type shelf supports</li> </ul>						
<b>ADD</b>	SF	---	---	---	---	20.590
<b>ADJUSTABLE STANDARDS</b>						
Install adjustable standards and 3/4" supports for shelf installation <ul style="list-style-type: none"> <li>■ Fasten two 1/2" adjustable standards along each side of vertical supports</li> <li>■ Insert 3/4" supports in slots in adjustable standards</li> </ul>						
<b>ADD</b>	SF	---	---	---	---	20.595

## 20. CLOTHES CLOSET

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
CLOTHES CLOSET	Build 30" deep clothes closet in existing finished living area <ul style="list-style-type: none"> <li>■ Studwall 2" x 4", 16" OC on two walls, including door wall</li> <li>■ 1/2" gypsum drywall both sides of walls</li> <li>■ 3-1/2" base and shoe both sides of walls</li> <li>■ #2 pine or fir hookstrip</li> <li>■ 12" particleboard shelf</li> <li>■ 1-3/8" clothes pole and clothes pole sockets</li> <li>■ Hooks</li> <li>■ Install door(s) fully trimmed, including jambs, stops, casings and all required hardware</li> <li>■ No painting included</li> </ul>						
	<b>Up to 5 foot wide closet, 30" deep</b> Clothes closet with one 2-6 x 6-8 prehung hollow core birch flush door @ \$100	EA	---	---	---	---	20.600
	Clothes closet with birch flush bi-fold doors for a 2'-6" opening @ \$65	EA	---	---	---	---	20.601
	<b>Up to 7 foot wide closet, 30" deep</b> Clothes closet with double 2-6 x 6-8 prehung hollow core birch flush doors @ \$170	EA	---	---	---	---	20.602
	Clothes closet with birch flush bi-fold doors for a 5 foot wide door opening @ \$130	EA	---	---	---	---	20.603
EA = Complete job							

## 20. WALK-IN CLOTHES CLOSET

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
<p>WALK-IN CLOTHES CLOSET</p> <p>Build walk-in clothes closet in existing finished living area with two walls of shelves and poles</p> <ul style="list-style-type: none"> <li>■ Studwall 2" x 4", 16" OC on two walls, including door wall</li> <li>■ 3-1/2" base and shoe both sides of walls</li> <li>■ #2 pine or fir hookstrips on two walls</li> <li>■ 12" particleboard shelves on two walls</li> <li>■ 1-3/8" clothes poles and clothes pole sockets on two walls</li> <li>■ One 2-6 x 6-8 prehung birch flush door, fully trimmed, including jambs, stops, casings and all required hardware</li> <li>■ No painting included</li> </ul> <p style="text-align: right;">Up to 48 SF</p> <p style="text-align: right;">Additional SF over 48 SF <b>ADD</b></p> <p>SF = Interior of closet</p>	<p>MIN</p> <p>SF</p>	<p>---</p> <p>---</p>	<p>---</p> <p>---</p>	<p>---</p> <p>---</p>	<p>---</p> <p>---</p>	<p>20.610</p> <p>20.611</p>
<p>Build walk-in clothes closet in existing finished living area with three walls of shelves and poles</p> <ul style="list-style-type: none"> <li>■ Studwall 2" x 4", 16" OC on two walls, including door wall</li> <li>■ 3-1/2" base and shoe both sides of walls</li> <li>■ #2 pine or fir hookstrips on three walls</li> <li>■ 12" particleboard shelves on three wall</li> <li>■ 1-3/8" clothes poles and clothes pole sockets on three walls</li> <li>■ One 2-6 x 6-8 prehung birch flush door, fully trimmed, including jambs, stops, casings and all required hardware</li> <li>■ No painting included</li> </ul> <p style="text-align: right;">Up to 70 SF</p> <p style="text-align: right;">Additional SF over 70 SF <b>ADD</b></p> <p>SF = Interior of closet</p>	<p>MIN</p> <p>SF</p>	<p>---</p> <p>---</p>	<p>---</p> <p>---</p>	<p>---</p> <p>---</p>	<p>---</p> <p>---</p>	<p>20.615</p> <p>20.616</p>

## 20. CLOSETS

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.	
		MATLS	LABOR	TOTAL			
<b>LINEN CLOSET</b>  Build linen closet 30" deep in existing finished area <ul style="list-style-type: none"> <li>■ Studwall 2" x 4", 16" OC, two walls</li> <li>■ 1/2" gypsum drywall both sides of walls</li> <li>■ 3-1/2" base and shoe both sides of walls</li> <li>■ #2 pine or fir shelf support</li> <li>■ 24" deep plywood or particleboard shelves, 12" OC vertically measured</li> <li>■ Install one 2-6 x 6-8 prehung hollow core birch flush door, fully trimmed, including jambs, stops, casings and all required hardware</li> <li>■ No painting included</li> </ul>							
	UP to 3 LF of closet width	MIN	---	---	---	---	20.620
	Additional LF of width over 3 LF <b>ADD</b>	LF	---	---	---	---	20.621
LF = Width of closet							
<b>CLOTHES CLOSET UNDER STAIRWAY</b>  Build clothes closet under existing stairway, 36" x 36" <ul style="list-style-type: none"> <li>■ Frame walls of closet with 2" x 4", 16" OC</li> <li>3-1/2" base and shoe both sides of wall</li> <li>■ #2 pine or fir hookstrips</li> <li>■ 12" particleboard shelf</li> <li>■ 1-3/8" clothes pole and clothes pole sockets</li> <li>■ One 2-6 x 6-8 prehung hollow core birch flush door, fully trimmed, including jambs, stops, casings and all required hardware</li> </ul>	EA	---	---	---	---	20.630	
EA = Complete job							
<b>LINEN OR PANTRY CLOSET UNDER STAIRWAY</b>  Build 36" x 36" linen or pantry closet under stairway <ul style="list-style-type: none"> <li>■ Frame closet walls with 2" x 4", 16" OC</li> <li>■ Gypsum drywall on all walls, inside and out, finished ready for painting</li> <li>■ 3-1/2" base and shoe both sides of wall</li> <li>■ #2 pine or fir shelf support</li> <li>■ 24" deep plywood or particleboard shelves, 12" OC vertically measured</li> <li>■ Install one 2-6 x 6-8 prehung hollow core birch flush door, fully trimmed, including jambs, stops, casings and all required hardware</li> </ul>	EA	---	---	---	---	20.635	
EA = Complete job							

## 20. VENTILATED SHELVING SYSTEMS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
COATED WIRE VENTILATED CLOSET SYSTEMS	Install coated wire ventilated closet shelving, including all necessary hardware and supports						
	Wardrobe shelf with hanging bar						
	Up to 6 LF, 12" deep	MIN	---	---	---	---	20.650
	Additional LF over 6 LF <b>ADD</b>	LF	---	---	---	---	20.651
	Up to 6 LF, 16" deep	MIN	---	---	---	---	20.652
	Additional LF over 6 LF <b>ADD</b>	LF	---	---	---	---	20.653
	Light duty linen shelf						
	Up to 3 LF, 12" deep	MIN	---	---	---	---	20.654
	Additional LF over 3 LF <b>ADD</b>	LF	---	---	---	---	20.655
	Up to 3 LF, 16" deep	MIN	---	---	---	---	20.656
	Additional LF over 3 LF <b>ADD</b>	LF	---	---	---	---	20.657
	Up to 3 LF, 20" deep	MIN	---	---	---	---	20.658
	Additional LF over 3 LF <b>ADD</b>	LF	---	---	---	---	20.659
	Heavy duty storage shelf						
	Up to 5 LF, 12" deep	MIN	---	---	---	---	20.660
	Additional LF over 5 LF <b>ADD</b>	LF	---	---	---	---	20.661
	Up to 5 LF, 16" deep	MIN	---	---	---	---	20.662
	Additional LF over 5 LF <b>ADD</b>	LF	---	---	---	---	20.663
	Up to 5 LF, 20" deep	MIN	---	---	---	---	20.664
	Additional LF over 5 LF <b>ADD</b>	LF	---	---	---	---	20.665
	Shoe rack						
Up to 4 LF, 12" deep	MIN	---	---	---	---	20.670	
Additional LF over 4 LF <b>ADD</b>	LF	---	---	---	---	20.671	
Wardrobe shelf corner							
12" deep	EA	---	---	---	---	20.675	
16" deep	EA	---	---	---	---	20.676	
STORAGE BASKET PEDESTAL	Install pedestal with storage baskets 12" front to back, 16" wide and 9" deep						
	3 baskets 30" tall	EA	---	---	---	---	20.680
	4 baskets 40" tall	EA	---	---	---	---	20.681
	5 baskets 50" tall	EA	---	---	---	---	20.682

## 20. INDIRECT LIGHTING SOFFIT

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
INDIRECT LIGHTING SOFFIT	Build indirect lighting soffit on wall in U shape						
	<ul style="list-style-type: none"> <li>■ Attach a 1" x 4" ledger to the wall an appropriate distance from the ceiling and fasten a 1" x 6" to the bottom, forming an "L" shape against the wall</li> <li>■ Fasten a 1" x 6" to the front of the 1" x 6", making a "U" shape against the wall with the top open</li> </ul>						
	Up to 15 LF of lighting soffit	MIN	---	---	---	---	20.700
	Additional LF over 15 LF <b>ADD</b>	LF	---	---	---	---	20.701
	Build indirect lighting soffit on wall in U shape with crown moulding for fascia						
	<ul style="list-style-type: none"> <li>■ Attach 1" x 4" ledger to the wall an appropriate distance from ceiling and fasten a 1" x 6" to the bottom, forming an "L" shape against the wall</li> <li>■ Fasten a 4-1/4" crown moulding to the front of the 1" x 6", making a "U" shape against the wall with the top open, the crown moulding as the fascia and the 1" x 6" as the soffit</li> </ul>						
Up to 15 LF of lighting soffit	MIN	---	---	---	---	20.702	
Additional LF over 15 LF <b>ADD</b>	LF	---	---	---	---	20.703	

## 20. INDIRECT LIGHTING SOFFIT

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
<b>INDIRECT LIGHTING SOFFIT, DRYWALL FINISH</b>  Build indirect lighting soffit on wall in "U" shape finished off with drywall <ul style="list-style-type: none"> <li>■ Attach a 2" x 4" to the wall an appropriate distance from the ceiling and fasten a 2" x 6" to the bottom, forming an "L" shape against the wall</li> <li>■ Fasten a 2" x 6" to the front of the 2" x 6", making a "U" shape against the wall with the top open</li> <li>■ Finish fascia and soffit with 1/2" drywall, taped, finished and ready for painting</li> </ul>	Up to 15 LF lighting soffit	MIN	---	---	---	20.710
	Additional LF over 15 LF <b>ADD</b>	LF	---	---	---	---
<b>INDIRECT LIGHTING SOFFIT, PLYWOOD FINISH</b>  Build indirect lighting soffit on wall in "U" shape finished off with 1/4" plywood <ul style="list-style-type: none"> <li>■ Attach a 2" x 4" to the wall an appropriate distance from the ceiling and fasten a 2" x 6" to the bottom, forming an "L" shape against the wall</li> <li>■ Fasten a 2" x 6" to the front of the 2" x 6", making a "U" shape against the wall with the top open</li> <li>■ Finish fascia and soffit with 1/4" pre-finished plywood @ .50 SF, cove and outside corner</li> </ul>	Up to 15 LF lighting soffit	MIN	---	---	---	20.720
	Additional LF over 15 LF <b>ADD</b>	LF	---	---	---	---

## 20. DISAPPEARING STAIRWAY

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
BREAK THROUGH CEILING	Make opening in ceiling and frame out for installation of disappearing stairway <ul style="list-style-type: none"> <li>■ Break through existing ceiling</li> <li>■ Cut one joist to obtain required width of opening for stairway</li> <li>■ Sister joists on each side of new opening</li> <li>■ Install header(s) supported by joist hangers</li> </ul> EA = Each framed out opening	EA	---	---	---	---	20.750
FOLDING STAIRWAY, WOOD	Install wood folding stairway, 26" wide, up to 10'-0" floor to floor, in existing framed opening <ul style="list-style-type: none"> <li>■ Mount stairway in opening</li> <li>■ Trim opening with 2-1/4" casing</li> </ul>	EA	---	---	---	---	20.760
ONE-PIECE SLIDING STAIRWAY, WOOD	Install wood one-piece sliding stairway, 26" wide, up to 10'-0" floor to floor, in existing framed opening <ul style="list-style-type: none"> <li>■ Mount stairway in opening</li> <li>■ Trim opening with 2-1/4" casing</li> </ul>	EA	---	---	---	---	20.770

## 20. STAIR WORK

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
TIGHTEN NEWEL POST	Tighten newel post <ul style="list-style-type: none"> <li>■ Drill holes through post into subfloor, tread or riser</li> <li>■ Fasten post using #10 3-1/2" wood screws</li> <li>■ Fill holes with putty and finish to match</li> </ul>						
	One newel post	MIN	---	---	---	---	20.780
	Additional newel posts	EA	---	---	---	---	20.781
TIGHTEN BALUSTER	Tighten baluster <ul style="list-style-type: none"> <li>■ Drill pilot hole from the top of the baluster into the bottom of the handrail</li> <li>■ Set and countersink a finish nail</li> <li>■ Cover nail holes with color matched touch-up stick</li> </ul>						
	Up to 3 balusters	MIN	---	---	---	---	20.782
	Additional balusters more than 3 <b>ADD</b>	EA	---	---	---	---	20.783
STAIR REPAIR	Replace balusters in existing stairway from floor to floor, open one side, two balusters per riser						
	Two stock balusters	EA	---	---	---	---	20.784
	Two top quality stock balusters	EA	---	---	---	---	20.785
	EA = Each riser						
	Install new handrail, one newel post and balusters on existing stairway, two balusters per riser						
	Up to 3 risers	MIN	---	---	---	---	20.786
	Additional risers over 3 <b>ADD</b>	EA	---	---	---	---	20.787
STAIR REPAIR	Replace pine treads on basement stairway - treads only, no risers						
	Each 2" x SPF tread	EA	---	---	---	---	20.790
	Each 5/4" pine tread	EA	---	---	---	---	20.791
CELLAR STAIRWAY	Build cellar stairway <ul style="list-style-type: none"> <li>■ 2" x 12" stringers</li> <li>■ 2" x 10" fir treads</li> <li>■ Open risers</li> <li>■ 2" x 4" handrail</li> </ul>	EA	---	---	---	---	20.792
	EA = Each tread						
WOOD HANDRAIL	Install 2" x 2" pine or fir handrail with standard hardware	LF	---	---	---	---	20.793

## 21. REFACE KITCHEN CABINETS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REFACE EXISTING KITCHEN CABINETS	<p>Reface existing kitchen cabinets with plastic laminate, using existing cabinet door and drawer hardware</p> <ul style="list-style-type: none"> <li>■ Remove all doors drawers and mouldings, including cabinet hinges and pulls</li> <li>■ Install fillers inside existing cabinet frames to provide adequate stile width</li> <li>■ Sand off paint built-up on existing cabinet surfaces</li> <li>■ 1/4" plywood on bottom of upper cabinets</li> <li>■ Cover plywood on bottom of upper cabinets with laminate applied with contact cement</li> <li>■ Cover cabinet end panels with laminate</li> <li>■ Apply laminate to face of upper and lower cabinets</li> <li>■ Install laminate doors on upper and base cabinets with existing cabinet hardware</li> <li>■ Install new drawer fronts over existing drawer fronts using existing drawer pulls</li> <li>■ Install mouldings at top of upper cabinets and in corners as required</li> </ul> <p>EA = Each drawer or door opening</p>	EA	---	---	---	---	21.000
REFACE EXISTING ISLAND CABINET BACKS	<p>Sand off paint build-up and apply laminate to backs and sides of island cabinets with contact cement</p> <p>SF = Backs and sides of island cabinets</p>	SF	---	---	---	---	21.001

## 21. KITCHEN ALTERATIONS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.	
			MATLS	LABOR	TOTAL			
PANTRY CABINET	Remove existing wall and base cabinets and substitute pantry cabinet <ul style="list-style-type: none"> <li>■ Cut out countertop width of new pantry cabinet to be installed</li> <li>■ Remove one or two base cabinets and one or two wall cabinets to provide for width of new pantry cabinet to be installed</li> <li>■ Install pantry cabinet @ \$1600 with finish to match existing cabinets as closely as possible</li> <li>■ Fill in spaces where base and/or wall cabinets were removed with appropriate sized filler strips</li> </ul>	EA	---	---	---	---	21.100	
	EA = Total cost							
	COUNTERTOP EDGING	Remove existing plastic laminated countertop edging and install new edging						
		Plastic laminate edging	LF	---	---	---	---	21.110
		Corian manufactured edging, standard solid color	LF	---	---	---	---	21.111
Corian manufactured edging, top quality designer color		LF	---	---	---	---	21.112	
	Cabinet matched wood moulding	LF	---	---	---	---	21.113	

## 21. BULKHEAD AND SOFFIT

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
BULKHEAD AND SOFFIT ABOVE EXISTING CABINETS	Build bulkhead and soffit above existing kitchen cabinets, no painting <ul style="list-style-type: none"> <li>■ Build "ladder" of 2" x 4", 24" OC, the length and width of bulkhead</li> <li>■ Apply drywall or 1/4" prefinished plywood to bottom side of ladder</li> <li>■ Set ladder on top of cabinets and fasten it to back wall</li> <li>■ Nail 2" x 4" to ceiling even with front of bulkhead ladder</li> <li>■ Install 1/2" CDX plywood along front of bulkhead from 2" x 4" at ceiling to level of 2" x 4" ladder</li> <li>■ Finish fascia and soffit(s) as shown below:</li> </ul>						
	1/2" drywall, taped and finished, ready for painting	LF	---	---	---	---	21.200
	1/4" prefinished plywood @ .50 SF	LF	---	---	---	---	21.201
	LF = Length of bulkhead						
REMOVE EXISTING BULKHEAD AND SOFFIT	Remove existing bulkhead and soffit from above kitchen cabinets, no painting <ul style="list-style-type: none"> <li>■ Remove existing drywall or plywood covering from bulkhead and soffit</li> <li>■ Remove framing</li> <li>■ Patch damaged areas</li> </ul>	LF	---	---	---	---	21.202
	LF = Total LF of bulkhead and soffit						

## 21. LOWER COUNTERTOP WORK AREA

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
LOWER COUNTERTOP WORK AREA	<p>Remove base cabinet below existing countertop work area and install countertop at lower level</p> <ul style="list-style-type: none"> <li>■ Remove base cabinet below including toeboard and all shelves, leaving clear minimum width of 30"</li> <li>■ Cut existing countertop and backsplash so that the two adjacent cabinets have 3/8" countertop overhangs on their sides</li> <li>■ Vinyl tile on newly exposed floor area below to match or be compatible with existing vinyl floor covering</li> <li>■ Apply wood countertop edging to the newly cut overhang on each adjacent cabinet</li> <li>■ 3/16" wood veneer paneling on newly exposed sides of adjacent base cabinets and the vertical edges of the backsplashes to match existing cabinet finish as closely as possible</li> <li>■ Bore two 1/4" holes in each adjacent cabinet for shelf supports to support countertop 28, 29, 30, 31, 32 33 or 34 inches above floor</li> <li>■ Insert shelf supports and set countertop at 28" level or at any level up to 34 inches</li> <li>■ Touch up any damaged areas of existing cabinets</li> <li>■ Patch area on wall as required where countertop was lowered</li> </ul> <p>EA = Complete job</p>	EA	---	---	---	---	21.250

## 21. LOWER EXISTING COOKTOP

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
LOWER EXISTING COOKTOP	<p>Remove base cabinet below existing cooktop in kitchen counter and lower cooktop</p> <ul style="list-style-type: none"> <li>■ Disconnect cooktop in kitchen counter</li> <li>■ Remove base cabinet below cooktop, including toeboard and all shelves, leaving clear minimum width of 30"</li> <li>■ Cut existing countertop and backsplash which contains cooktop so that the two adjacent cabinets have 3/8" countertop overhangs on their sides</li> <li>■ Vinyl tile on newly exposed floor area below to match or be compatible with existing vinyl floor covering</li> <li>■ Apply wood countertop edging to the newly cut overhang on each adjacent cabinet</li> <li>■ 3/16" wood veneer paneling on newly exposed sides of adjacent base cabinets and the vertical edges of the backsplash to match existing cabinet finish as closely as possible</li> <li>■ Attach ledger to side of each adjacent cabinet to support the countertop 28" from floor and install countertop on ledger</li> <li>■ Re-install cooktop with required plumbing or electrical alterations</li> <li>■ Install apron to conceal existing wiring and/or gas pipes and cover with 3/16" wood veneer paneling to match existing cabinet finish as closely as possible, leaving any gas shutoff valve visible</li> <li>■ Touch up any damaged areas of existing cabinets</li> <li>■ Patch area on wall as required where countertop was lowered</li> </ul> <p>EA = Complete job</p>	EA	---	---	---	---	21.260

## 21. LOWER EXISTING KITCHEN SINK

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
LOWER EXISTING SINK	<p>Remove base cabinet below existing kitchen sink and lower countertop and sink to 28" above floor</p> <ul style="list-style-type: none"> <li>■ Disconnect plumbing from kitchen counter sink</li> <li>■ Remove base cabinet below sink, including toeboard and all shelves, leaving clear minimum width of 30"</li> <li>■ Cut existing countertop and backsplash which contains sink so that the two adjacent cabinets have 3/8" countertop overhangs on their sides</li> <li>■ Vinyl tile on newly exposed floor area below sink to match or be compatible with existing vinyl floor covering</li> <li>■ Apply wood countertop edging to the newly cut overhang on each adjacent cabinet</li> <li>■ 3/16" wood veneer paneling on newly exposed sides of adjacent base cabinets and the vertical edges of the backsplashes to match existing cabinet finish as closely as possible</li> <li>■ Attach ledger to side of each adjacent cabinet to support the countertop 28" from floor and install countertop on ledger</li> <li>■ Re-install kitchen sink with required plumbing alterations</li> <li>■ Install removable pipe protection apron covered with 3/16" wood veneer paneling to match existing cabinet finish as closely as possible</li> <li>■ Touch up any damaged areas of existing cabinets</li> <li>■ Patch area on wall as required where countertop was lowered</li> </ul> <p>EA = Complete job</p>	EA	---	---	---	---	21.270

## 22. REPLACE FENCE

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE FIR OR PINE FENCE RAILS	Replace pressure treated fir or pine horizontal rails up to 8 feet long within same fence section						
	1 x 4 Picket One rail	EA	---	---	---	---	22.001
	Two rails	EA	---	---	---	---	22.002
	Three rails	EA	---	---	---	---	22.003
	1 x 3 Stockade One rail	EA	---	---	---	---	22.004
	Two rails	EA	---	---	---	---	22.005
	Three rails	EA	---	---	---	---	22.006
	Split rail One rail	EA	---	---	---	---	22.007
	Two rails	EA	---	---	---	---	22.008
	Three rails	EA	---	---	---	---	22.009
	1 x 6 Solid board One rail	EA	---	---	---	---	22.010
	Two rails	EA	---	---	---	---	22.011
Three rails	EA	---	---	---	---	22.012	
REPLACE CEDAR FENCE RAILS	Replace cedar horizontal rails up to 8 feet long within same fence section						
	1 x 4 Picket One rail	EA	---	---	---	---	22.020
	Two rails	EA	---	---	---	---	22.021
	Three rails	EA	---	---	---	---	22.022
	1 x 3 Stockade One rail	EA	---	---	---	---	22.023
	Two rails	EA	---	---	---	---	22.024
	Three rails	EA	---	---	---	---	22.025
	Split rail One rail	EA	---	---	---	---	22.026
	Two rails	EA	---	---	---	---	22.027
	Three rails	EA	---	---	---	---	22.028
	1 x 6 Solid board One rail	EA	---	---	---	---	22.029
	Two rails	EA	---	---	---	---	22.030
Three rails	EA	---	---	---	---	22.031	
1 x 6 Board on board One rail	EA	---	---	---	---	22.032	
Two rails	EA	---	---	---	---	22.033	
Three rails	EA	---	---	---	---	22.034	

## 22. REPLACE VERTICAL FENCE PARTS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE VERTICAL FENCE PARTS	Replace pressure treated fir or pine vertical fence parts up to 72" long						
	<b>1" x 4" Pickets</b>						
	Up to 2 boards	MIN	---	---	---	---	22.040
	Additional boards over 2 <b>ADD</b>	EA	---	---	---	---	22.042
	<b>1" x 3" Stockade</b>						
	Up to 2 boards	MIN	---	---	---	---	22.043
	Additional boards over 2 <b>ADD</b>	EA	---	---	---	---	22.044
	<b>1" x 6" Solid or Board on Board</b>						
	UP to 2 boards	MIN	---	---	---	---	22.045
	Additional boards over 2 <b>ADD</b>	EA	---	---	---	---	22.046
	Replace cedar vertical fence parts up to 72" long						
	<b>1" x 4" Pickets</b>						
	Up to 2 boards	MIN	---	---	---	---	22.050
	Additional boards over 2 <b>ADD</b>	EA	---	---	---	---	22.051
<b>1" x 3" Stockade</b>							
Up to 2 boards	MIN	---	---	---	---	22.052	
Additional boards over 2 <b>ADD</b>	EA	---	---	---	---	22.053	
<b>1" x 6" Solid or Board on Board</b>							
Up to 2 boards	MIN	---	---	---	---	22.054	
Additional boards over 2 <b>ADD</b>	EA	---	---	---	---	22.055	

## 22. GATE POSTS

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
RE-SET GATE POST	Re-set gate post <ul style="list-style-type: none"> <li>■ Remove gate from post</li> <li>■ Remove gate post from post hole and clean out post hole to minimum of 36" deep</li> <li>■ Set new post 2" into 6" gravel bed in bottom of 36" post hole</li> <li>■ Fill hole with tamped dirt and concrete to top of hole</li> <li>■ Re-install gate</li> </ul>					
	<b>42" High</b>					
	2-3/8" galvanized steel tubing	EA	---	---	---	22.060
	4" x 4" pressure treated fir or pine	EA	---	---	---	22.061
	6" x 6" pressure treated fir or pine	EA	---	---	---	22.062
	<b>72" High</b>					
	2-3/8" galvanized steel tubing	EA	---	---	---	22.063
	4" x 4" pressure treated fir or pine	EA	---	---	---	22.064
	6" x 6" pressure treated fir or pine	EA	---	---	---	22.065
REPAIR GATE	Re-set screws in hinge	EA	---	---	---	22.070
	Re-set lag screw hinge	EA	---	---	---	22.071
	Raise or tighten regular chain link post or frame hinge	EA	---	---	---	22.072
	Install new hinges					
	Lag screw hinge	EA	---	---	---	22.075
	Strap hinge	EA	---	---	---	22.076
	Butt hinge	EA	---	---	---	22.077
REMOVE SAG IN GATE	To remove sag in gate, install a diagonal wooden brace between lower hinge side corner and opposite upper corner	EA	---	---	---	22.080
	To remove sag in gate, install a turnbuckle diagonally from one hinge corner to opposite corner	EA	---	---	---	22.081
GATE LATCH	Re-align gate latch to ensure positive closure	EA	---	---	---	22.090
	Replace gate latch	EA	---	---	---	22.091

## 22. BUILD ITEMS IN YARD

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
STORAGE SHED	Build Owner's pre-manufactured wood storage shed <ul style="list-style-type: none"> <li>■ Pre-built trusses</li> <li>■ Pre-built floor</li> <li>■ T1-11 siding</li> <li>■ 3 tab shingles</li> <li>■ Double doors</li> <li>■ All hardware</li> </ul>					
	<b>Gable Roof Style</b>					
	4 foot sidewalls 8' x 8'	EA	---	---	---	22.100
	6 foot sidewalls 10' x 10'	EA	---	---	---	22.101
	10' x 12'	EA	---	---	---	22.102
	10' x 14'	EA	---	---	---	22.103
	10' x 16'	EA	---	---	---	22.104
	<b>Gambrel Roof Style</b>					
	6 foot sidewalls 8' x 8'	EA	---	---	---	22.110
	8' x 10'	EA	---	---	---	22.111
	8' x 12'	EA	---	---	---	22.112
	10' x 10'	EA	---	---	---	22.113
	10' x 12'	EA	---	---	---	22.114
	10' x 14'	EA	---	---	---	22.115
	10' x 16'	EA	---	---	---	22.116
	7 foot sidewalls 12' x 16'	EA	---	---	---	22.117
SWING SET	Assemble Owner's pre-manufactured wood or metal swing set					
	12 feet wide	EA	---	---	---	22.120
	16 feet wide with straight slide	EA	---	---	---	22.121
FORT SET	Assemble Owner's pre-manufactured wood or metal fort with vinyl covered raised platform, ladder, climbing rope and monkey bars	EA	---	---	---	22.130
TEETER TOTTER	Assemble Owner's pre-manufactured wood or metal teeter totter	EA	---	---	---	22.140
SANDBOX	Assemble Owner's wood sandbox with vinyl roof	EA	---	---	---	22.150

## 22. MEDICINE CABINET

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
MEDICINE CABINET	Remove existing recessed medicine cabinet and replace with new recessed medicine cabinet with hinged plate glass mirror door 16" x 22", no framing changes necessary						
	Supply and install medicine cabinet	EA	---	---	---	---	22.200
	Install Owner's medicine cabinet	EA	---	---	---	---	22.201
	Remove surface mount medicine cabinet and replace with new surface mount medicine cabinet with 2 sliding mirror doors, 24" x 16"						
	Supply and install medicine cabinet	EA	---	---	---	---	22.202
	Install Owner's medicine cabinet	EA	---	---	---	---	22.203

## 22. MIRRORS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REMOVE EXISTING MIRROR	Remove existing wall or vanity mirror in preparation for replacement, including removal of existing mounting clips, supports and hardware but no patching and/or wall repairs  SF = Mirror	SF	---	---	---	---	22.210
WALL MIRROR	Install square or rectangular, beveled edge, frameless wall mirror <ul style="list-style-type: none"> <li>■ 1/8" - 1/4" thickness</li> <li>■ Attach to wall using mounting clips and/or J-channel supports as required</li> </ul> Supply and install mirror @ \$10 SF	SF	---	---	---	---	22.220
	Install Owner supplied mirror	EA	---	---	---	---	22.221
	Install square or rectangular, frameless polished edge vanity mirror <ul style="list-style-type: none"> <li>■ Attach to wall using mounting clips and/or J-channel supports as required</li> </ul> Supply and install mirror @ \$8 SF	SF	---	---	---	---	22.225
VANITY MIRROR	Install Owner supplied mirror	EA	---	---	---	---	22.226

## 22. GRAB BAR

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
GRAB BAR	Straight grab bar with concealed screw flange						
	1-1/4" O.D. 24"	EA	---	---	---	---	22.230
	36"	EA	---	---	---	---	22.231
	48"	EA	---	---	---	---	22.232
	1-1/2" O.D. 24"	EA	---	---	---	---	22.233
	36"	EA	---	---	---	---	22.234
	48"	EA	---	---	---	---	22.235
	Install Owner supplied grab bar, 24"-48"	EA	---	---	---	---	22.236
	"L" shaped grab bar with concealed screw flange, short leg 16", long leg 32"						
	1-1/4" O.D.	EA	---	---	---	---	22.237
	1-1/2" O.D.	EA	---	---	---	---	22.238
	Install Owner supplied "L" shaped grab bar	EA	---	---	---	---	22.239

## 22. BATHROOM ACCESSORIES

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
CHROME BATH ACCESSORIES	Install polished chrome bath accessories <ul style="list-style-type: none"> <li>■ Towel bar</li> <li>■ Toothbrush and glass holder</li> <li>■ Paper holder</li> <li>■ Soapdish</li> </ul>						
	Supply and install	EA	---	---	---	---	22.250
	Install Owner's accessories	EA	---	---	---	---	22.251
EA = All accessories							
SHOWER ROD AND CURTAIN	Install shower rod and standard curtain, including hardware and shower curtain hooks						
	Supply and install	EA	---	---	---	---	22.260
	Install Owner's accessories	EA	---	---	---	---	22.261
TOWEL BAR	Install towel bar, including mounting hardware						
	Supply and install	EA	---	---	---	---	22.270
	Install Owner's accessories	EA	---	---	---	---	22.271
TOOTHBRUSH RACK	Install toothbrush rack						
	Supply and install	EA	---	---	---	---	22.273
	Install Owner's accessories	EA	---	---	---	---	22.274
PAPER HOLDER	Install paper holder						
	Supply and install	EA	---	---	---	---	22.275
	Install Owner's accessories	EA	---	---	---	---	22.276
HANGING HOOK	Install standard style hanging hook						
	Supply and install	EA	---	---	---	---	22.277
	Install Owner's accessories	EA	---	---	---	---	22.278

## 22. ROOFTOP ANTENNA

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
ROOFTOP ANTENNA	Secure existing rooftop television antenna						
	Strap mounted to chimney	EA	---	---	---	---	22.300
	Pole and cable tensioned	EA	---	---	---	---	22.301
	Pole and strapped to wall	EA	---	---	---	---	22.302

## 22. SECURITY ITEMS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
SECURITY BARS	Remove existing security bars from window  SF = Window area	SF	---	---	---	---	22.400
	Install security bars on existing window  SF = Window area	SF	---	---	---	---	22.405
SECURITY STORM DOOR	Install 16 gauge welded steel frame security storm door  <ul style="list-style-type: none"> <li>■ Double weatherstripped</li> <li>■ Tempered safety glass</li> <li>■ Pre-hung with reversible hinges</li> <li>■ Baked on finish</li> </ul>	EA	---	---	---	---	22.410
	Remove existing security or storm door	EA	---	---	---	---	22.415

## 23. CERAMIC AND MARBLE TILE FLOOR

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REGROUT TILE FLOOR	RegROUT existing ceramic or marble tile floor <ul style="list-style-type: none"> <li>■ Dig or cut out old grout from joints</li> <li>■ Apply new grout into joints</li> <li>■ Wipe down and clean surfaces thoroughly</li> </ul>						
	RegROUT up to 5 LF of grout joint	MIN	---	---	---	---	23.000
	RegROUT additional LF of grout joint <b>ADD</b>	LF	---	---	---	---	23.001
SEAL GROUT	Seal cured grout joints with appropriate sealer						
	Seal up to 40 SF of tile	MIN	---	---	---	---	23.010
	Seal additional SF of 1" x 1" tile <b>ADD</b>	SF	---	---	---	---	23.011
	Seal additional SF of 2" x 2" tile <b>ADD</b>	SF	---	---	---	---	23.012
	Seal additional SF of 4" x 4" tile <b>ADD</b>	SF	---	---	---	---	23.013
	Seal additional SF of 8" x 8" tile <b>ADD</b>	SF	---	---	---	---	23.014
	Seal additional SF of 12" x 12" tile <b>ADD</b>	SF	---	---	---	---	23.015
REPLACE TILE	Replace floor tiles, including removing and replacing defective or broken tiles and grouting						
	<b>Tile @ \$2.00 SF</b>						
	Replace 1 tile	MIN	---	---	---	---	23.020
	Replace additional 1" x 1" tile <b>ADD</b>	EA	---	---	---	---	23.021
	Replace additional 2" x 2" tile <b>ADD</b>	EA	---	---	---	---	23.022
	Replace additional 4" x 4" tile <b>ADD</b>	EA	---	---	---	---	23.023
	Replace additional 8" x 8" tile <b>ADD</b>	EA	---	---	---	---	23.024
	Replace additional 12" x 12" tile <b>ADD</b>	EA	---	---	---	---	23.025
	<b>Tile @ \$8.00 SF</b>						
	Replace 1 tile	MIN	---	---	---	---	23.030
	Replace additional 1" x 1" tile <b>ADD</b>	EA	---	---	---	---	23.031
	Replace additional 2" x 2" tile <b>ADD</b>	EA	---	---	---	---	23.032
	Replace additional 4" x 4" tile <b>ADD</b>	EA	---	---	---	---	23.033
	Replace additional 8" x 8" tile <b>ADD</b>	EA	---	---	---	---	23.034
	Replace additional 12" x 12" tile <b>ADD</b>	EA	---	---	---	---	23.035

## 23. VINYL TILE OVER HARDWOOD FLOOR

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
VINYL TILE OVER HARDWOOD FLOOR  Cover existing hardwood floor with vinyl tile <ul style="list-style-type: none"> <li>■ Remove existing shoe moulding and save</li> <li>■ Nail 3/8" plywood underlayment over old floor</li> <li>■ Install 9" x 9" or 12" x 12" vinyl tile in adhesive over underlayment</li> <li>■ Re-install existing shoe moulding</li> </ul>						
<b>9" X 9" Tile</b>						
Up to 50 SF of 1/16" tile	MIN	---	---	---	---	23.100
Additional tile over 50 SF <b>ADD</b>	SF	---	---	---	---	23.101
Up to 50 SF of 3/32" tile	MIN	---	---	---	---	23.102
Additional tile over 50 SF <b>ADD</b>	SF	---	---	---	---	23.103
Up to 50 SF of 1/8" tile	MIN	---	---	---	---	23.104
Additional tile over 50 SF <b>ADD</b>	SF	---	---	---	---	23.105
<b>12" x 12" Tile</b>						
Up to 50 SF of 1/16" tile	MIN	---	---	---	---	23.110
Additional tile over 50 SF <b>ADD</b>	SF	---	---	---	---	23.111
Up to 50 SF of 1/8" tile	MIN	---	---	---	---	23.112
Additional tile over 50 SF <b>ADD</b>	SF	---	---	---	---	23.113
Up to 50 SF of Premium tile	MIN	---	---	---	---	23.114
Additional tile over 50 SF <b>ADD</b>	SF	---	---	---	---	23.115

## 23. HARDWOOD FLOORING ALTERATIONS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPLACE OAK FLOORING	Replace damaged or deteriorated oak strip flooring						
	<ul style="list-style-type: none"> <li>■ Remove existing flooring</li> <li>■ Replace with new select oak strip flooring, not toothed in</li> </ul>						
	UP to 20 SF unfinished oak flooring	MIN	---	---	---	---	23.200
	Additional oak flooring over 20 SF <b>ADD</b>	SF	---	---	---	---	23.201
	UP to 20 SF prefinished oak flooring	MIN	---	---	---	---	23.202
	Additional oak flooring over 20 SF <b>ADD</b>	SF	---	---	---	---	23.203
TOOTHED IN OAK FLOORING	Tooth in strip oak flooring, add to above costs						
	Tooth in unfinished oak flooring	EA	---	---	---	---	23.205
	Tooth in prefinished oak flooring	EA	---	---	---	---	23.206
EA = Each toothed in joint							

## 23. FLOOR FINISHING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.	
			MATLS	LABOR	TOTAL			
SAND AND FINISH OAK FLOORING	Sand and finish new oak flooring with 2 coats polyurethane							
	<b><i>Natural</i></b>							
	UP to 100 SF of flooring	MIN	---	---	---	---	23.220	
	Additional SF over 100 SF <b>ADD</b>	SF	---	---	---	---	23.221	
	<b><i>Dark Stain</i></b>							
	UP to 100 SF of flooring	MIN	---	---	---	---	23.222	
	Additional SF over 100 SF <b>ADD</b>	SF	---	---	---	---	23.223	
	<b><i>Bleached</i></b>							
	UP to 100 SF of flooring	MIN	---	---	---	---	23.224	
	Additional SF over 100 SF <b>ADD</b>	SF	---	---	---	---	23.225	
	SAND AND FINISH OLD OAK FLOORING WITH 2 COATS POLYURETHANE	Sand and finish old oak flooring with 2 coats polyurethane						
		<b><i>Natural</i></b>						
		UP to 100 SF of flooring	MIN	---	---	---	---	23.230
		Additional SF over 100 SF <b>ADD</b>	SF	---	---	---	---	23.231
<b><i>Dark Stain</i></b>								
UP to 100 SF of flooring		MIN	---	---	---	---	23.232	
Additional SF over 100 SF <b>ADD</b>		SF	---	---	---	---	23.233	
<b><i>Bleached</i></b>								
UP to 100 SF of flooring	MIN	---	---	---	---	23.234		
Additional SF over 100 SF <b>ADD</b>	SF	---	---	---	---	23.235		
ADDITIONAL COAT OF FINISH	Apply one additional coat of clear polyurethane to new or old oak flooring							
	Natural	SF	---	---	---	---	23.240	
	Dark Stain	SF	---	---	---	---	23.241	
	Bleached	SF	---	---	---	---	23.242	

## 23. REPAIR SQUEAKY FLOOR ABOVE OPEN CEILING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPAIR SQUEAKY FLOOR	Repair squeaky floor caused by loosened nails from subfloor into a joist <ul style="list-style-type: none"> <li>Locate the loosened subfloor board, coat both sides of a wood wedge or shingle with glue and drive it between the loosened subfloor board and the joist until it is tight to prevent the subfloor board from moving up and down when stepped on</li> </ul>						
	Up to 1 loosened area	MIN	---	---	---	---	23.250
	Additional loosened areas <b>ADD</b>	EA	---	---	---	---	23.251
	Repair squeaky floor caused by several loosened nails from subfloor into the joist <ul style="list-style-type: none"> <li>Nail and glue a 24" long wood cleat to the side of the joist high enough to prevent the subfloor boards from moving down when stepped on and screw cleat to subfloor</li> </ul>						
	Up to 1 wood cleat	MIN	---	---	---	---	23.255
	Additional wood cleats	EA	---	---	---	---	23.256

## 23. REPAIR SQUEAKY FLOOR ABOVE CONCEALED CEILING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPAIR SQUEAKY FLOOR	<p>Repair squeaky floor caused by loosened nails from finished flooring into subfloor</p> <ul style="list-style-type: none"> <li>■ Locate finish floor board that squeaks, lubricate butt joints with dry powder graphite</li> <li>■ Drill pilot hole 1/8" deep with 1/8" diameter bit at a slight angle toward the finished floor center about 1/2" away from the board's edge</li> <li>■ Drill a smaller second pilot hole within the first pilot hole completely through the finish floor board, stopping and not penetrating the subfloor</li> <li>■ Drive a lubricated finishing head screw with a square drive head into the pilot holes and into the subfloor while bearing your weight on the board to be secured</li> <li>■ Fill screw pilot hole with colored wax stick filler</li> </ul> <p>EA = Each squeaky floor board</p>	EA	---	---	---	---	23.260

## 23. REPAIR BUCKLED FLOOR ABOVE OPEN CEILING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REPAIR BUCKLED FLOORING WITH OPEN CEILING BELOW	<p>Repair section of buckled wood flooring</p> <ul style="list-style-type: none"> <li>■ Locate the area of buckled flooring, drill a pilot hole into the flooring near the center of the buckled area and drive a small finishing nail through the finished floor and the subfloor with the tip showing in the underside of the subfloor</li> <li>■ From above, compress and flatten buckled flooring tight to the subfloor using a 2" x 4" horizontal top plate against the ceiling and a 2" x 4" bottom plate on the buckled area with a vertical 2" x 4" wedged between them</li> <li>■ Mark the area of the buckled flooring on the underside of the subfloor</li> <li>■ Draw lines at right angles to the finished floor across the underside of the subfloor approximately 12" apart and place a mark along each line 3" apart</li> <li>■ Drill pilot holes at each mark through the subfloor and into the finished flooring to within 1/4" of the surface</li> <li>■ Drill larger pilot holes at each mark for full clearance of #8 roundhead wood screws through the subfloor but not penetrating the bottom of the finished flooring</li> <li>■ Starting at the center of the buckled area, drive screws from below into the pilot holes in the subfloor, drawing the finished flooring down tight to the subfloor</li> </ul> <p>EA = Up to 8 SF area</p>	EA	---	---	---	---	23.270

## 23. REPAIR BUCKLED FLOOR ABOVE CONCEALED CEILING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
<p>REPAIR BUCKLED FLOORING WITH CONCEALED CEILING BELOW</p>	<p>Repair section of buckled wood flooring with concealed ceiling below</p> <ul style="list-style-type: none"> <li>■ Place 2" x 4" on floor at center of buckled area at right angles to the flooring and a 2" x 4" on the ceiling above across the direction of the joists supported by a 2" x 4" cut one inch longer than the distance from the bottom of the 2" x 4" above to the top of the 2" x 4" below</li> <li>■ Gently hammer the 2" x 4" so that it presses down on the buckled flooring below drawing it tightly against the subfloor</li> <li>■ Mark every other strip of flooring in the buckled area approximately 12" apart</li> <li>■ Using an 1/8" bit, bore 1/8" through the finished flooring at each mark at a slight angle towards the center of the floor board and then drill a 1/16" pilot hole within the first pilot hole but not into the subfloor</li> <li>■ Drive a lubricated finishing head screw with a square drive head through each pilot hole into the subfloor below to secure the finish floor and the subfloor together</li> <li>■ Plug each hole with plugs with colored wax stick filler</li> </ul> <p>EA = UP to 8 SF area</p>	EA	---	---	---	---	23.275

## 24. PAINTING PREPARATION, EXTERIOR

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
	<i>Painting costs on every page include set-up and clean-up time and protection of items not to be painted. All work shown is at one-story level except as noted.</i>						
PAINT REMOVAL	Remove existing paint or varnish with chemicals, 1 or 2 layers per coat of paint remover						
	Exterior wood siding	SF	---	---	---	---	24.000
	Exterior trim	LF	---	---	---	---	24.001
	Remove non-lead based paint by light sand blasting, no cost for rental equipment included	SF	---	---	---	---	24.002
	Remove loose or blistered paint with wire brush or paint scraper	SF	---	---	---	---	24.003
BURNING OFF	Exterior siding, non-lead based paint						
	Average	SF	---	---	---	---	24.004
	Extensive	SF	---	---	---	---	24.005
	Exterior trim, non-lead based paint	LF	---	---	---	---	24.006
SANDING AND FILLING	Sand and fill exterior wood siding and trim						
	Average	SF	---	---	---	---	24.010
	Extensive	SF	---	---	---	---	24.011
	Sand and fill exterior trim only						
	Average	LF	---	---	---	---	24.012
	Extensive	LF	---	---	---	---	24.013
REGLAZE	Reglaze glass pane						
	Small pane 8" x 12"	EA	---	---	---	---	24.020
	Medium pane 12" x 15"	EA	---	---	---	---	24.021
	Large pane 24" x 30"	EA	---	---	---	---	24.022
	Very large pane 48" x 60"	EA	---	---	---	---	24.023
CAULK	Caulk trim or siding joints	LF	---	---	---	---	24.030

## 24. PAINTING PREPARATION, WASHING

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.	
		MATLS	LABOR	TOTAL			
WASHING	Power wash with TSP (or substitute) in preparation for exterior painting, including TSP (trisodium phosphate)	SF	---	---	---	---	24.050
	Power wash in preparation for exterior painting	SF	---	---	---	---	24.051
	Each additional story if ladder or scaffolding is required  <div style="text-align: right;"><b>ADD</b></div>	SF	---	---	---	---	24.052
ACID WASH	Acid wash galvanized gutter and downspout	LF	---	---	---	---	24.060

## 24. SHINGLES, STUCCO, MASONRY PAINTING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
WOOD SHINGLES, ROUGH SIDING	Cedar shingles, paint with brush						
	1 coat on painted surface	SF	---	---	---	---	24.100
	Prime and 1 coat	SF	---	---	---	---	24.101
	Prime and 2 coats	SF	---	---	---	---	24.102
	Cedar shingles, paint with spray gun						
	1 coat on painted surface	SF	---	---	---	---	24.103
	Prime and 1 coat	SF	---	---	---	---	24.104
	Prime and 2 coats	SF	---	---	---	---	24.105
	Cedar shingles, stained with brush						
	1 coat	SF	---	---	---	---	24.106
	2 coats	SF	---	---	---	---	24.107
	Cedar shingles, stained with spray gun						
	1 coat	SF	---	---	---	---	24.108
	2 coats	SF	---	---	---	---	24.109
	SMOOTH BRICK OR STUCCO	With roller					
1 coat on painted surface		SF	---	---	---	---	24.110
Prime and 1 coat		SF	---	---	---	---	24.111
Prime and 2 coats		SF	---	---	---	---	24.112
With spray gun							
1 coat on painted surface		SF	---	---	---	---	24.113
Prime and 1 coat		SF	---	---	---	---	24.114
Prime and 2 coats		SF	---	---	---	---	24.115
POROUS BRICK OR STUCCO		With roller					
	1 coat on painted surface	SF	---	---	---	---	24.120
	Prime and 1 coat	SF	---	---	---	---	24.121
	Prime and 2 coats	SF	---	---	---	---	24.122
	With spray gun						
	1 coat on painted surface	SF	---	---	---	---	24.123
	Prime and 1 coat	SF	---	---	---	---	24.124
	Prime and 2 coats	SF	---	---	---	---	24.125

## 24. SIDING PAINTING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
SIDING	<i>Painting costs on every page include set-up and clean-up time and protection of items not to be painted. All work shown is at one-story level except as noted.</i>						
	Wood, plywood, asbestos and composition siding, paint with brush						
	1 coat on painted surface		SF	---	---	---	24.130
	Prime and 1 coat		SF	---	---	---	24.131
	Prime and 2 coats		SF	---	---	---	24.132
	Same as above, with roller						
	1 coat on painted surface		SF	---	---	---	24.133
	Prime and 1 coat		SF	---	---	---	24.134
	Prime and 2 coats		SF	---	---	---	24.135
	Same as above, with spray gun						
	1 coat on painted surface		SF	---	---	---	24.136
	Prime and 1 coat		SF	---	---	---	24.137
	Prime and 2 coats		SF	---	---	---	24.138
	Same as above, stained, with brush						
	1 coat		SF	---	---	---	24.139
2 coats		SF	---	---	---	24.140	
ALUMINUM SIDING	Aluminum siding, paint with brush						
	1 coat		SF	---	---	---	24.150
	2 coats		SF	---	---	---	24.151
	Same as above, with spray gun						
	1 coat		SF	---	---	---	24.152
2 coats		SF	---	---	---	24.153	
For each additional story up, per coat							
<b>ADD</b>		SF	---	---	---	24.154	

## 24. GUTTER AND DOWNSPOUT PAINTING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
GUTTER AND/OR DOWNSOUT	Metal gutter and/or downspout, paint with brush						
	1 coat on painted surface	LF	---	---	---	---	24.200
	Prime and 1 coat	LF	---	---	---	---	24.201
	Prime and 2 coats	LF	---	---	---	---	24.202
	Wood gutter, 4" x 5", paint with brush						
	1 coat on painted surface	LF	---	---	---	---	24.205
	Prime and 1 coat	LF	---	---	---	---	24.206
	Prime and 2 coats	LF	---	---	---	---	24.207

## 24. PORCH CEILING PAINTING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
PORCH CEILING	Paint wood porch ceiling with brush						
	1 coat on painted surface	SF	---	---	---	---	24.210
	Prime and 1 coat	SF	---	---	---	---	24.211
	Prime and 2 coats	SF	---	---	---	---	24.212
	Paint wood porch ceiling with roller						
	1 coat on painted surface	SF	---	---	---	---	24.213
	Prime and 1 coat	SF	---	---	---	---	24.214
	Prime and 2 coats	SF	---	---	---	---	24.215
	Paint wood porch ceiling with spray gun						
	1 coat on painted surface	SF	---	---	---	---	24.216
	Prime and 1 coat	SF	---	---	---	---	24.217
	Prime and 2 coats	SF	---	---	---	---	24.218

## 24. TRIM AND SOFFIT PAINTING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
MOULDING AND TRIM	Door or window moulding or trim <i>(If same color and finish as wall, include in wall estimate)</i> , with brush						
	1 coat on painted surface	LF	---	---	---	---	24.220
	Prime and 1 coat	LF	---	---	---	---	24.221
	Prime and 2 coats	LF	---	---	---	---	24.222
FASCIA OR RAKE	Up to 12" fascia or rake with brush, one face and edge						
	1 coat on painted surface	LF	---	---	---	---	24.223
	Prime and 1 coat	LF	---	---	---	---	24.224
	Prime and 2 coats	LF	---	---	---	---	24.225
SOFFIT, CLOSED	Up to 12" soffit, with brush						
	1 coat on painted surface	LF	---	---	---	---	24.227
	Prime and 1 coat	LF	---	---	---	---	24.228
	Prime and 2 coats	LF	---	---	---	---	24.229
	Up to 12" soffit, with roller						
	1 coat on painted surface	LF	---	---	---	---	24.230
	Prime and 1 coat	LF	---	---	---	---	24.231
	Prime and 2 coats	LF	---	---	---	---	24.232
	Up to 12" soffit with spray gun						
	1 coat on painted surface	LF	---	---	---	---	24.233
	Prime and 1 coat	LF	---	---	---	---	24.234
	Prime and 2 coats	LF	---	---	---	---	24.235
SOFFIT, OPEN WITH RAFTERS	Up to 12" soffit with brush, all sides of rafters, interior of fascia and underside of roof sheathing						
	1 coat on painted surface	LF	---	---	---	---	24.240
	Prime and 1 coat	LF	---	---	---	---	24.241
	Prime and 2 coats	LF	---	---	---	---	24.242
	Up to 12" soffit with spray gun						
	1 coat on painted surface	LF	---	---	---	---	24.243
	Prime and 1 coat	LF	---	---	---	---	24.244
	Prime and 2 coats	LF	---	---	---	---	24.245
	LF = Length of soffit						

**24. EAVES PAINTING**

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
EAVES, CLOSED	Up to 12" closed eaves at gable end of building, with brush						
	1 coat on painted surface	LF	---	---	---	---	24.250
	Prime and 1 coat	LF	---	---	---	---	24.251
	Prime and 2 coats	LF	---	---	---	---	24.252
	Up to 12" closed eaves with roller						
	1 coat on painted surface	LF	---	---	---	---	24.253
	Prime and 1 coat	LF	---	---	---	---	24.254
	Prime and 2 coats	LF	---	---	---	---	24.255
	Up to 12" closed eaves with spray gun						
	1 coat on painted surface	LF	---	---	---	---	24.256
	Prime and 1 coat	LF	---	---	---	---	24.257
	Prime and 2 coats	LF	---	---	---	---	24.258
EAVES, OPEN WITH RAFTERS	Up to 12" open eaves at gable end of building, all sides of rafters, interior of fascia or rake and underside of roof sheathing, with brush						
	1 coat on painted surface	LF	---	---	---	---	24.260
	Prime and 1 coat	LF	---	---	---	---	24.261
	Prime and 2 coats	LF	---	---	---	---	24.262
	Up to 12" open eaves with spray gun						
	1 coat on painted surface	LF	---	---	---	---	24.264
	Prime and 1 coat	LF	---	---	---	---	24.265
	Prime and 2 coats	LF	---	---	---	---	24.266
	LF = Length of rake						

## 24. EXTERIOR PAINTING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.	
			MATLS	LABOR	TOTAL			
LATTICE WORK	<b>Paint all sides</b> of lattice work with brush							
	1 coat	SF	---	---	---	---	24.270	
	2 coats	SF	---	---	---	---	24.271	
	SF = Height of lattice work multiplied by length, <b>measure one face only</b>							
	Same as above, with spray gun							
	1 coat	SF	---	---	---	---	24.272	
	2 coats	SF	---	---	---	---	24.273	
COLUMNS AND PILASTERS	Wood columns and pilasters, paint with brush							
	1 coat	SF	---	---	---	---	24.275	
	2 coats	SF	---	---	---	---	24.276	
	Wood columns and pilasters, paint with spray gun							
	1 coat	SF	---	---	---	---	24.277	
	2 coats	SF	---	---	---	---	24.278	
WINDOW SCREEN	Paint wood window screen, all sides							
	1 coat	EA	---	---	---	---	24.280	
	2 coats	EA	---	---	---	---	24.281	
STORM SASH	Paint storm sash all sides							
	1 coat	EA	---	---	---	---	24.282	
	2 coats	EA	---	---	---	---	24.283	
BLINDS AND SHUTTERS	Wood or metal, louvered, both sides and all edges, with brush							
	1 coat on painted surface	EA	---	---	---	---	24.290	
	Prime and 1 coat	EA	---	---	---	---	24.291	
	Prime and 2 coats	EA	---	---	---	---	24.292	
	Paint blinds and shutters with spray gun							
	1 coat on painted surface	EA	---	---	---	---	24.293	
	Prime and 1 coat	EA	---	---	---	---	24.294	
	Prime and 2 coats	EA	---	---	---	---	24.295	

**24. FENCE PAINTING**

SPECIFICATIONS			UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.	
				MATLS	LABOR	TOTAL			
FENCE, PLAIN	Plain board fence, <b>paint all sides</b>								
	Brush	1 coat	SF	---	---	---	---	24.300	
		2 coats	SF	---	---	---	---	24.301	
	Spray	1 coat	SF	---	---	---	---	24.302	
		2 coats	SF	---	---	---	---	24.303	
	SF = Height of fence multiplied by length of fence, <b>measure one face only</b>								
	PICKET	Picket fence, all sides							
		Brush	1 coat	SF	---	---	---	---	24.310
		2 coats	SF	---	---	---	---	24.311	
Spray		1 coat	SF	---	---	---	---	24.312	
		2 coats	SF	---	---	---	---	24.313	
CHAIN LINK		Chain link fence, all sides							
		Brush	1 coat	SF	---	---	---	---	24.320
			2 coats	SF	---	---	---	---	24.321
	Roller	1 coat	SF	---	---	---	---	24.322	
		2 coats	SF	---	---	---	---	24.323	
	Spray	1 coat	SF	---	---	---	---	24.324	
		2 coats	SF	---	---	---	---	24.325	

## 24. DECK AND PORCH FLOOR PAINTING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
WOOD DECK OR PORCH FLOOR, TOP SIDE	Paint with brush						
	1 coat on painted surface	SF	---	---	---	---	24.350
	Prime and 1 coat	SF	---	---	---	---	24.351
	Prime and 2 coats	SF	---	---	---	---	24.352
	Paint with roller						
	1 coat on painted surface	SF	---	---	---	---	24.353
	Prime and 1 coat	SF	---	---	---	---	24.354
	Prime and 2 coats	SF	---	---	---	---	24.355
	Paint with spray gun						
	1 coat on painted surface	SF	---	---	---	---	24.356
	Prime and 1 coat	SF	---	---	---	---	24.357
	Prime and 2 coats	SF	---	---	---	---	24.358
	Stain and/or clear finish with brush						
	1 coat	SF	---	---	---	---	24.359
	2 coats	SF	---	---	---	---	24.360
	3 coats	SF	---	---	---	---	24.361
	Stain and/or clear finish with roller						
	1 coat	SF	---	---	---	---	24.362
	2 coats	SF	---	---	---	---	24.363
	3 coats	SF	---	---	---	---	24.364
	Stain and/or clear finish with spray gun						
1 coat	SF	---	---	---	---	24.365	
2 coats	SF	---	---	---	---	24.366	
3 coats	SF	---	---	---	---	24.367	
CONCRETE PORCH OR DECK	Paint top surface and sides of concrete porch or deck slab with brush						
	1 coat	SF	---	---	---	---	24.368
	2 coats	SF	---	---	---	---	24.369
	Paint with roller						
	1 coat	SF	---	---	---	---	24.370
2 coats	SF	---	---	---	---	24.371	

## 24. DECK AND PORCH PAINTING

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.	
		MATLS	LABOR	TOTAL			
DECK OR PORCH RAILING	<b>Paint all sides</b> of railings and balusters with brush						
	1 coat	SF	---	---	---	24.375	
	2 coats	SF	---	---	---	24.376	
	SF = Height of railing multiplied by length of railing <b>measure one side only</b>						
	Paint with spray gun						
	1 coat	SF	---	---	---	24.377	
	2 coats	SF	---	---	---	24.378	
	Stain and/or clear finish with brush						
	1 coat	SF	---	---	---	24.379	
	2 coats	SF	---	---	---	24.380	
	3 coats	SF	---	---	---	24.381	
	Stain and/or clear finish with spray gun						
	1 coat	SF	---	---	---	24.382	
	2 coats	SF	---	---	---	24.383	
3 coats	SF	---	---	---	24.384		
WOOD STEPS	Paint all surfaces (top, bottom, sides) of steps and stringers, with brush						
	1 coat on painted surface	SF	---	---	---	24.386	
	Prime and 1 coat	SF	---	---	---	24.387	
	Prime and 2 coats	SF	---	---	---	24.388	
	SF = SF area, <b>measure top side only of steps</b>						
	Paint with spray gun						
	1 coat on painted surface	SF	---	---	---	24.389	
	Prime and 1 coat	SF	---	---	---	24.390	
	Prime and 2 coats	SF	---	---	---	24.391	
	Stain and/or clear finish with brush						
	1 coat on painted surface	SF	---	---	---	24.392	
	Prime and 1 coat	SF	---	---	---	24.393	
	Prime and 2 coats	SF	---	---	---	24.394	
	Stain and/or clear finish with spray gun						
1 coat on painted surface	SF	---	---	---	24.395		
Prime and 1 coat	SF	---	---	---	24.396		
Prime and 2 coats	SF	---	---	---	24.397		

## 24. ENTRANCE DOOR PAINTING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
COLONIAL ENTRANCE	Colonial entrance for single door, paint with brush						
	1 coat on painted surface	EA	---	---	---	---	24.400
	Prime and 1 coat	EA	---	---	---	---	24.401
	Prime and 2 coats	EA	---	---	---	---	24.402
	Colonial entrance for single door with 2 sidelights						
	1 coat on painted surface	EA	---	---	---	---	24.404
Prime and 1 coat	EA	---	---	---	---	24.405	
Prime and 2 coats	EA	---	---	---	---	24.406	
FLUSH ENTRANCE DOOR	Paint one side only, including jamb and casing, with brush						
	1 coat on painted surface	EA	---	---	---	---	24.410
	Prime and 1 coat	EA	---	---	---	---	24.411
	Prime and 2 coats	EA	---	---	---	---	24.412
	Paint one side only, including jamb and casing, with roller						
	1 coat on painted surface	EA	---	---	---	---	24.413
	Prime and 1 coat	EA	---	---	---	---	24.414
	Prime and 2 coats	EA	---	---	---	---	24.415
	Stain and/or clear finish one side only, with roller						
	1 coat	EA	---	---	---	---	24.416
	2 coats	EA	---	---	---	---	24.417
	3 coats	EA	---	---	---	---	24.418
2 TO 6 PANEL ENTRANCE DOOR	Paint one side only, including jamb and casings, with brush						
	1 coat on painted surface	EA	---	---	---	---	24.419
	Prime and 1 coat	EA	---	---	---	---	24.420
	Prime and 2 coats	EA	---	---	---	---	24.421
	Stain and/or clear finish one side only with brush						
	1 coat	EA	---	---	---	---	24.422
2 coats	EA	---	---	---	---	24.423	
3 coats	EA	---	---	---	---	24.424	

## 24. DOORS WITH LIGHTS PAINTING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.	
			MATLS	LABOR	TOTAL			
2 TO 6 LIGHT DOOR	Paint one side only of flush or panel door, including casing and jamb, with brush							
	1 coat on painted surface	EA	---	---	---	---	24.425	
	Prime and 1 coat	EA	---	---	---	---	24.426	
	Prime and 2 coats	EA	---	---	---	---	24.427	
	Stain and/or clear finish, with brush							
	1 coat	EA	---	---	---	---	24.428	
	2 coats	EA	---	---	---	---	24.429	
	3 coats	EA	---	---	---	---	24.430	
	9 TO 15 LIGHT FRENCH DOOR	Paint one side only, including jamb and casing, with brush						
		1 coat on painted surface	EA	---	---	---	---	24.431
		Prime and 1 coat	EA	---	---	---	---	24.432
		Prime and 2 coats	EA	---	---	---	---	24.433
Stain and/or clear finish, with brush								
1 coat		EA	---	---	---	---	24.434	
2 coats		EA	---	---	---	---	24.435	
3 coats		EA	---	---	---	---	24.436	

## 24. GLIDING PATIO DOOR PAINTING

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
GLIDING PATIO DOOR	Paint two panels one side only, including trim, jamb and casings, with brush					
	1 coat on painted surface	EA	---	---	---	24.438
	Prime and 1 coat	EA	---	---	---	24.439
	Prime and 2 coats	EA	---	---	---	24.440
	Stain and/or clear finish with brush					
	1 coat	EA	---	---	---	24.441
	2 coats	EA	---	---	---	24.442
	3 coats	EA	---	---	---	24.443
	Paint three panels one side only, including trim, jamb and casings, with brush					
	1 coat on painted surface	EA	---	---	---	24.444
	Prime and 1 coat	EA	---	---	---	24.445
	Prime and 2 coats	EA	---	---	---	24.446
	Stain and/or clear finish with brush					
	1 coat	EA	---	---	---	24.447
	2 coats	EA	---	---	---	24.448
3 coats	EA	---	---	---	24.449	



## 24. GARAGE DOOR PAINTING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
GARAGE DOOR	Paint one side, including jambs and casings, with brush, 9'-0" x 7'-0" door						
	1 coat on painted surface	EA	---	---	---	---	24.481
	Prime and 1 coat	EA	---	---	---	---	24.482
	Prime and 2 coats	EA	---	---	---	---	24.483
	Paint one side with spray gun						
	1 coat on painted surface	EA	---	---	---	---	24.484
	Prime and 1 coat	EA	---	---	---	---	24.485
	Prime and 2 coats	EA	---	---	---	---	24.486
	Paint one side, including jambs and casings, with brush, 16'-0" x 7'-0" door						
	1 coat on painted surface	EA	---	---	---	---	24.487
	Prime and 1 coat	EA	---	---	---	---	24.488
	Prime and 2 coats	EA	---	---	---	---	24.489
	Paint one side with spray gun						
	1 coat on painted surface	EA	---	---	---	---	24.491
	Prime and 1 coat	EA	---	---	---	---	24.492
	Prime and 2 coats	EA	---	---	---	---	24.493

## 24. PAINTING PREPARATION, INTERIOR

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
PAINT REMOVAL	Remove existing paint or varnish with chemicals, 1 or 2 layers per coat of paint remover						
	Interior trim	LF	---	---	---	---	24.500
	Paneling	SF	---	---	---	---	24.501
STRIP CABINETS	Remove existing paint or varnish with chemicals						
	Bookshelves or cabinets (Including backing)	SF	---	---	---	---	24.510
	Cabinet doors (2 sides) SF = Front square footage of shelves, cabinets or doors	SF	---	---	---	---	24.511
BURNING OFF	Burn off plain surfaces, non-lead based paint	SF	---	---	---	---	24.520
	Burn off interior trim	LF	---	---	---	---	24.521
	De-gloss walls or trim	SF	---	---	---	---	24.522
SANDING AND FILLING	Fill holes and small cracks in walls or ceiling	SF	---	---	---	---	24.530
	Sand and fill trim	LF	---	---	---	---	24.531
	Caulk trim	LF	---	---	---	---	24.532
HARDWARE	Cabinet hardware removal and replacement	EA	---	---	---	---	24.540
	Lockset removal and replacement	EA	---	---	---	---	24.541
WASHING	Wash interior with TSP before repainting						
	Smooth walls	SF	---	---	---	---	24.550
	Textured walls	SF	---	---	---	---	24.551
	Door jamb, casing and trim	EA	---	---	---	---	24.552
	Window, including all trim	EA	---	---	---	---	24.553
	Mouldings	LF	---	---	---	---	24.554

## 24. WINDOW PAINTING, INTERIOR

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
WINDOW	Paint interior only, wood or metal double hung, sliding, casement, awning window or fixed sash, including all interior trim						
	1 light						
	1 coat on painted surface	EA	---	---	---	---	24.600
	Prime and 1 coat	EA	---	---	---	---	24.601
	Prime and 2 coats	EA	---	---	---	---	24.602
	2 lights						
	1 coat on painted surface	EA	---	---	---	---	24.603
	Prime and 1 coat	EA	---	---	---	---	24.604
	Prime and 2 coats	EA	---	---	---	---	24.605
	4 lights						
	1 coat on painted surface	EA	---	---	---	---	24.606
	Prime and 1 coat	EA	---	---	---	---	24.607
	Prime and 2 coats	EA	---	---	---	---	24.608
	8 lights						
	1 coat on painted surface	EA	---	---	---	---	24.609
	Prime and 1 coat	EA	---	---	---	---	24.610
	Prime and 2 coats	EA	---	---	---	---	24.611
	12 lights						
	1 coat on painted surface	EA	---	---	---	---	24.612
	Prime and 1 coat	EA	---	---	---	---	24.613
	Prime and 2 coats	EA	---	---	---	---	24.614
	16 lights						
	1 coat on painted surface	EA	---	---	---	---	24.615
	Prime and 1 coat	EA	---	---	---	---	24.616
	Prime and 2 coats	EA	---	---	---	---	24.617
	24 lights						
	1 coat on painted surface	EA	---	---	---	---	24.618
Prime and 1 coat	EA	---	---	---	---	24.619	
Prime and 2 coats	EA	---	---	---	---	24.620	
	EA = Each window						
GRILLE	Divided light grille						
	Paint 1 coat	EA	---	---	---	---	24.621
	Paint 2 coats	EA	---	---	---	---	24.622
	EA = Each light						

## 24. WINDOW STAINING, INTERIOR

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
WINDOW	Stain and/or clear finish interior only, wood double hung, sliding, casement, awning window or fixed sash, including all interior trim						
	1 light	1 coat	EA	---	---	---	24.630
		2 coats	EA	---	---	---	24.631
		3 coats	EA	---	---	---	24.632
	2 lights	1 coat	EA	---	---	---	24.633
		2 coats	EA	---	---	---	24.634
		3 coats	EA	---	---	---	24.635
	4 lights	1 coat	EA	---	---	---	24.636
		2 coats	EA	---	---	---	24.637
		3 coats	EA	---	---	---	24.638
	8 lights	1 coat	EA	---	---	---	24.639
		2 coats	EA	---	---	---	24.640
		3 coats	EA	---	---	---	24.641
	12 lights	1 coat	EA	---	---	---	24.642
		2 coats	EA	---	---	---	24.643
		3 coats	EA	---	---	---	24.644
	16 lights	1 coat	EA	---	---	---	24.645
		2 coats	EA	---	---	---	24.646
		3 coats	EA	---	---	---	24.647
	24 lights	1 coat	EA	---	---	---	24.648
		2 coats	EA	---	---	---	24.649
		3 coats	EA	---	---	---	24.650
GRILLE	Divided light grille, stain and/or clear finish						
		1 coat	EA	---	---	---	24.651
		2 coats	EA	---	---	---	24.652
	EA = Each light						

## 24. DOOR PAINTING, INTERIOR

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
INTERIOR DOOR	Paint both sides of flush or panel door, including casing and jamb, with brush					
	1 coat on painted surface	EA	---	---	---	24.660
	Prime and 1 coat	EA	---	---	---	24.661
	Prime and 2 coats	EA	---	---	---	24.662
	Paint both sides with roller					
	1 coat on painted surface	EA	---	---	---	24.663
	Prime and 1 coat	EA	---	---	---	24.664
	Prime and 2 coats	EA	---	---	---	24.665
	Stain and/or clear finish both sides					
	1 coat	EA	---	---	---	24.666
	2 coats	EA	---	---	---	24.667
	3 coats	EA	---	---	---	24.668
LOUVER DOOR	Paint both sides of louver door, including casing and jamb, with brush					
	1 coat on painted surface	EA	---	---	---	24.670
	Prime and 1 coat	EA	---	---	---	24.671
	Prime and 2 coats	EA	---	---	---	24.672
	Stain and/or clear finish both sides					
	1 coat	EA	---	---	---	24.673
	2 coats	EA	---	---	---	24.674
	3 coats	EA	---	---	---	24.675
	BIFOLD DOORS	Paint both sides of bifold unit up to 5'-0" wide opening, including casing and jamb, with brush				
1 coat on painted surface		EA	---	---	---	24.680
Prime and 1 coat		EA	---	---	---	24.681
Prime and 2 coats		EA	---	---	---	24.682
Stain and/or clear finish both sides						
1 coat		EA	---	---	---	24.683
2 coats		EA	---	---	---	24.684
3 coats		EA	---	---	---	24.685

## 24. INTERIOR WALL PAINTING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
PLASTER OR PLASTER- BOARD	Smooth finish plaster or plasterboard with roller						
	1 coat on painted surface	SF	---	---	---	---	24.700
	Prime and 1 coat	SF	---	---	---	---	24.701
	Prime and 2 coats	SF	---	---	---	---	24.702
	Smooth finish plaster or plasterboard, with spray gun						
	1 coat on painted surface	SF	---	---	---	---	24.703
	Prime and 1 coat	SF	---	---	---	---	24.704
	Prime and 2 coats	SF	---	---	---	---	24.705
	PANELING	Paint wood panelled walls, with brush					
1 coat on painted surface		SF	---	---	---	---	24.710
Prime and 1 coat		SF	---	---	---	---	24.711
Prime and 2 coats		SF	---	---	---	---	24.712
Paint wood panelled walls, with roller							
1 coat on painted surface		SF	---	---	---	---	24.713
Prime and 1 coat		SF	---	---	---	---	24.714
Prime and 2 coats		SF	---	---	---	---	24.715
Stain and/or clear finish on panelled walls with roller							
1 coat	SF	---	---	---	---	24.716	
2 coats	SF	---	---	---	---	24.717	
3 coats	SF	---	---	---	---	24.718	
MOULDING	Base, ceiling moulding, chair rail or door or window trim up to 6" ( <i>if same color and finish as wall or ceiling, include in wall or ceiling estimate</i> )						
	1 coat on painted surface	LF	---	---	---	---	24.720
	Prime and 1 coat	LF	---	---	---	---	24.721
	Prime and 2 coats	LF	---	---	---	---	24.722
	Same as above with stain and/or clear finish						
	1 coat	LF	---	---	---	---	24.723
	2 coats	LF	---	---	---	---	24.724
	3 coats	LF	---	---	---	---	24.725

## 24. INTERIOR CEILING PAINTING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
SMOOTH CEILING	Smooth finish plaster or plasterboard, with roller						
	1 coat on painted surface	SF	---	---	---	---	24.730
	Prime and 1 coat	SF	---	---	---	---	24.731
	Prime and 2 coats	SF	---	---	---	---	24.732
	Smooth finish plaster or plasterboard, with spray gun						
	1 coat on painted surface	SF	---	---	---	---	24.733
Prime and 1 coat	SF	---	---	---	---	24.734	
Prime and 2 coats	SF	---	---	---	---	24.735	
TEXTURED CEILING	Textured ceiling, with roller						
	1 coat on painted surface	SF	---	---	---	---	24.736
	Prime and 1 coat	SF	---	---	---	---	24.737
	Prime and 2 coats	SF	---	---	---	---	24.738
	Textured ceiling with spray gun						
	1 coat on painted surface	SF	---	---	---	---	24.740
Prime and 1 coat	SF	---	---	---	---	24.741	
Prime and 2 coats	SF	---	---	---	---	24.742	
WOOD CEILING	Wood tongue and groove ceiling, with brush						
	1 coat on painted surface	SF	---	---	---	---	24.745
	Prime and 1 coat	SF	---	---	---	---	24.746
	Prime and 2 coats	SF	---	---	---	---	24.747
	Wood tongue and groove ceiling, with roller						
	1 coat on painted surface	SF	---	---	---	---	24.749
Prime and 1 coat	SF	---	---	---	---	24.750	
Prime and 2 coats	SF	---	---	---	---	24.751	
WOOD CEILING	Wood tongue and groove ceiling, with spray gun						
	1 coat on painted surface	SF	---	---	---	---	24.752
	Prime and 1 coat	SF	---	---	---	---	24.753
Prime and 2 coats	SF	---	---	---	---	24.754	
CATHEDRAL CEILING	If ladder or scaffolding are required for painting or staining not over 300 SF of ceiling area						
	Up to 13 feet above floor <b>ADD</b>	EA	---	---	---	---	24.755
	14 to 19 feet above floor <b>ADD</b>	EA	---	---	---	---	24.756
20 to 25 feet above floor <b>ADD</b>	EA	---	---	---	---	24.757	

## 24. INTERIOR MILLWORK AND TRIM PAINTING

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.	
		MATLS	LABOR	TOTAL			
CASED OPENING	Paint door jambs and 2 sides casing, with brush, 3'-0" opening						
	1 coat on painted surface	EA	---	---	---	24.760	
	Prime and 1 coat	EA	---	---	---	24.761	
	Prime and 2 coats	EA	---	---	---	24.762	
	Same as above, 6'-0" opening						
	1 coat on painted surface	EA	---	---	---	24.763	
	Prime and 1 coat	EA	---	---	---	24.764	
	Prime and 2 coats	EA	---	---	---	24.765	
	Stain and/or clear finish on 3'-0" opening						
	1 coat	EA	---	---	---	24.766	
	2 coats	EA	---	---	---	24.767	
	3 coats	EA	---	---	---	24.768	
	Stain and/or clear finish on 6'-0" opening						
	1 coat	EA	---	---	---	24.769	
	2 coats	EA	---	---	---	24.770	
	3 coats	EA	---	---	---	24.771	
	RADIATOR	Paint entire radiator with brush					
		1 coat	EA	---	---	---	24.780
2 coats		EA	---	---	---	24.781	
Paint entire radiator with spray gun							
1 coat		EA	---	---	---	24.782	
2 coats		EA	---	---	---	24.783	
STAIR HANDRAIL	Paint handrail, balusters and newel post, one flight						
	1 coat on painted surface	EA	---	---	---	24.790	
	Prime and 1 coat	EA	---	---	---	24.791	
	Prime and 2 coats	EA	---	---	---	24.792	
EA = Complete job							

## 24. CLOSET AND SHELF PAINTING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
CLOTHES CLOSET	Paint shelf, hookstrip and base moulding only						
	1 coat on painted surface	LF	---	---	---	---	24.800
	Prime and 1 coat	LF	---	---	---	---	24.801
	Prime and 2 coats	LF	---	---	---	---	24.802
	LF = Width of closet						
LINEN CLOSET	24" deep shelves, 12" OC vertically measured, paint shelves and trim only						
	1 coat on painted surface	LF	---	---	---	---	24.810
	Prime and 1 coat	LF	---	---	---	---	24.811
	Prime and 2 coats	LF	---	---	---	---	24.812
	LF = Width of closet						
SHELVES	Paint open shelves, no backing or vertical supports, top, bottom and edges, with brush, up to 12" shelves						
	1 coat on painted surface	LF	---	---	---	---	24.820
	Prime and 1 coat	LF	---	---	---	---	24.821
	Prime and 2 coats	LF	---	---	---	---	24.822
	Stain and/or clear finish on open shelves with brush						
	1 coat	LF	---	---	---	---	24.823
	2 coats	LF	---	---	---	---	24.824
	3 coats	LF	---	---	---	---	24.825



## 24. WALLPAPER REPAIRS

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
REMOVE WALLPAPER	Remove wallpaper from plaster or plasterboard <ul style="list-style-type: none"> <li>■ Score wallpaper every 6" vertically and horizontally</li> <li>■ Apply wallpaper remover and scrape</li> </ul>						
	One layer	SF	---	---	---	---	24.900
	Several layers	SF	---	---	---	---	24.901
	Wash off glue with TSP solution after removing wallpaper from wall	SF	---	---	---	---	24.902
REPASTING SEAMS	Repaste loose seam with diluted adhesive, roll smooth and clean up  LF = Seams	LF	---	---	---	---	24.910
REPAIR TORN WALL COVERING	Match a large scrap of wall covering to the pattern, cut through both layers and replace damaged material with pasted patch	SF	---	---	---	---	24.911
ELIMINATE BUBBLES	Puncture bubble near edge, inject diluted paste with syringe and press wall covering to wall  EA = Each bubble	EA	---	---	---	---	24.920
ELIMINATE WRINKLE	Eliminate wrinkle in wall covering <ul style="list-style-type: none"> <li>■ Make cut in wrinkle area</li> <li>■ Lift flaps and clean out area under wrinkle</li> <li>■ Apply adhesive to back of flap and to wall</li> <li>■ Smooth with brush, roll smooth and clean up</li> </ul> EA = Each wrinkle	EA	---	---	---	---	24.921

## 24. WALLPAPERING

SPECIFICATIONS	UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
		MATLS	LABOR	TOTAL		
WALLPAPER	<i>Wall covering applications shown below are for work in room with ceiling up to 8 feet above floor</i>					
	Wallpaper applied to walls, 29 SF per roll					
	Wallpaper @ \$11 per roll	SF	---	---	---	24.930
	\$14 per roll	SF	---	---	---	24.931
	\$17 per roll	SF	---	---	---	24.932
	\$20 per roll	SF	---	---	---	24.933
	\$25 per roll	SF	---	---	---	24.934
	\$30 per roll	SF	---	---	---	24.935
VINYL	Vinyl wall covering applied to walls, 29 SF per roll					
	Vinyl coated @ \$11 per roll	SF	---	---	---	24.940
	Solid vinyl @ \$15 per roll	SF	---	---	---	24.941
	Fabric back vinyl @ \$18 per roll	SF	---	---	---	24.942
GRASS CLOTH	Grass cloth applied to walls, 36 SF per roll					
	Grass cloth @ \$21 per roll	SF	---	---	---	24.950
	\$32 per roll	SF	---	---	---	24.951
	\$44 per roll	SF	---	---	---	24.952
HIGH CEILING	If ladder or scaffolding are required for hanging wallpaper					
	<b>ADD</b>	SF	---	---	---	24.960
	SF = Each SF of wallpaper hung					
OVER OLD PAPER	For hanging paper over old layer(s) of wallpaper					
	<b>ADD</b>	SF	---	---	---	24.961

## 25. CLEAN-UP AND HAULING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
DEMOLITION DEBRIS	Removal of debris from demolition work, loading masonry, plaster, roofing and other tear-out debris <ul style="list-style-type: none"> <li>■ Load 3/4 ton truck by hand from building</li> <li>■ Haul to dumping ground within 5 miles and unload</li> <li>■ Dumping fees not included</li> </ul> EA = Total cost for complete job of loading, hauling and unloading	EA	---	---	---	---	25.000
MAID SERVICE	Complete cleaning of interior area affected by repair and alteration work, including windows inside and out	SF	---	---	---	---	25.001
DUMPSTER	Dumpster delivery and haul away when filled, 20-30 cubic yards						
	3 days at job	EA	---	---	---	---	25.002
	3 weeks at job	EA	---	---	---	---	25.003

## 25. CLEAN-UP AND HAULING

SPECIFICATIONS		UNIT	CONTRACTOR'S DIRECT JOB COST			PRICE	DATA BASE ITEM NO.
			MATLS	LABOR	TOTAL		
DIRT	Shovel dirt by hand into truck from piles and haul to dumping ground up to 5 miles	EA	---	---	---	---	25.010
	EA = Each 3/4 ton truckload						
ROOFING AND SCRAP LUMBER	Removal of roofing materials and scrap lumber from piles	EA	---	---	---	---	25.020
	EA = Each 3/4 ton truckload						
BATHROOM AND KITCHEN	Remove old tile, plumbing fixtures, cabinets and appliances (does not include disconnecting fixtures)	EA	---	---	---	---	25.030
	EA = Each 3/4 ton truckload						

# INDEX

## A

Accessories, exterior door 112  
Access ramp handrails 97  
Access ramp, wood framed 96  
Air conditioning 183  
Alterations  
    exterior door 114  
    interior door 222  
    kitchen 243  
Aluminum siding  
    remove 12  
    replace 101  
    valley flashing 76  
Antenna 256  
Appliance cord 186  
Areawalls and areaways 28  
Asphalt driveway 37  
Asphalt shingle repair 64  
Attic  
    alterations 60,63  
    insulation 206

## B

Baffle 206  
Ballast 187  
Basement  
    areaway 28  
    insulation 205  
Base and shoe moulding  
    install 230,231  
    tearout 26  
Bathroom accessories 255  
Bathtub  
    faucets 171  
    parts 170  
Beam, replace 55  
Bearing wall, remove 19  
Bidet and faucet  
    drain 155  
    replacement 154  
Bifold door alterations 223  
Block demolition 5  
Blown-in insulation 244  
Book and storage shelves 232  
Bookcase and cabinet painting 291  
Bookshelves 233  
Bricks  
    clean 41  
    demolition 5  
    replace 43  
    repoint 42  
Build items in yard 251  
Building permit fee 2  
Bulkhead and soffit 244  
Bypass door alterations 223

## C

Cabinets  
    painting 291  
    tearout 26  
Carpeting tearout 189  
Casing  
    exterior trim, replace 103  
    interior trim, replace 227  
    tearout 26  
    trim 226  
Casings and jambs 226,227  
Caulking 212  
Cedar shingles tearout 12  
Ceiling  
    exhaust fan, replace 196  
    fans 197  
    moulding 228  
    painting 288  
    patching 215  
    removal 25  
    steel grid suspension 217  
    tile, removal 25  
Cellulose, blown-in 207  
Ceramic tile  
    fixtures 211  
    repair 210,258  
    tearout 26  
Chain link fence tearout 15  
Chair rail  
    install 229  
    tearout 26  
Chimney repair 50,51,52  
Chrome bathroom accessories 255  
Clapboard siding, replace 98  
Cleanup 294,295  
Closets 234,235,236  
Closet system, ventilated 237  
Clothes closet 234,235  
Clothes dryer duct repair 200  
Coaxial cable jack, replace 189  
Column, replace 56  
Composition ceiling tile 216  
Compressor/condenser pumps 185  
Concrete  
    demolition 4,6  
    pad 24  
    sawing 4  
    screed coat 35  
    slab demolition 4  
    step patching 39  
    wall patching 38  
Cooktop, lower 246  
Copper supply line, replace 144  
Corner board, replace 99  
Countertop  
    edging 243  
    lower work area 245  
    replace lavatory top 160  
    tearout 26

Cover plates, replace 190  
Crawl space  
    insulation 204  
    screed coat 35

## D

Deadbolt lock, remove, install 122  
Deck  
    column, replace 86  
    floor, paint 276  
    framing, repair 87  
    painting 277  
    post or column, replace 86  
    tearout 14  
De-icing cord 84  
Demolition  
    block 5  
    brick 5  
    debris 294  
    stone 5  
Dimmer switches, install 194  
Dirt and demolition debris 294  
Disappearing stairway 240  
Dishwasher repair 178  
Disposer repair 179  
Divided light grilles 139  
Door, exterior  
    accessories 113  
    alterations 116  
    casing, replace 115  
    chimes, replace 189  
    double 104  
    entrance doors 104,105,106  
    garage door painting 282  
    gliding patio door painting 280  
    hinges, replace 118  
    metal entrance, pre-hung 106  
    open concrete wall for 6  
    open exterior wall for 7  
    painting 278,279,280  
    removal 24  
    replace with window 142  
    slab, replace 108,109  
    wood, entrance, replace 104,105  
Door, interior  
    bifold, alterations 223  
    hinges, replace 274  
    painting 286  
    pocket, alterations 223  
    pre-hung 221  
    slab, replace 218,219  
Double up rafters (sistering) 60  
Downspout  
    painting 270  
    remove, replace 74  
    repair 75  
    tearout 13

# INDEX

Drain  
bidet 155  
cleaning 147  
lavatory 161,164,165  
lavatory, repair 165  
lavatory, replace 164  
shower 166  
snake out 153,167  
Driveway, repair 37  
Drywall  
ceiling 214  
ceiling patching 215  
wall 208  
wall patching 209  
Ductwork  
for dryer 200  
for exhaust fan 197,199  
re-locate 7,10,11  
Ductwrap 199  
Dumpster 294  
Dutch door, field-hung 107

## E

Eaves, painting 273  
Electric  
heat, replace 183  
items, replace 189  
outlet, re-locate 7,10,11  
switch replacement 191,192  
water heater 150  
Entrance door  
field-hung, wood 104  
frame, replace 110  
painting 278  
pre-hung metal 106  
pre-hung wood 105  
remove 24  
Exhaust fan  
ceiling 197  
wall 198  
Exterior painting 274  
Exterior trim, tearout 12

## F

Fascia, replace 90  
Faucets  
bathtub 171  
kitchen 175  
lavatory 162  
Fence  
painting 275  
parts, replace 249  
replace 248,249  
tearout 15  
Fiberglass, blown-in 202

Field-hung doors  
exterior 104,107  
interior 220  
Fireplace and chimney repair 52,53  
Flashing  
aluminum valley, replace 76  
copper valley, replace 77  
repairs 78,79,80  
replace 76,77  
skylight, aluminum, repair 79  
skylight, copper, repair 78  
Floor  
buckled 264,265  
finishing 260,261  
hardwood, alterations 260  
hardwood, install 16,17,18,19  
hardwood, vinyl tile over 259  
squeaky 262, 263  
tearout 22  
Flower bed border, install 32  
Flues in existing chimney 51  
Footing, replace 56  
Fort set, assemble 251  
French doors, field-hung 107  
French drain, install 30  
Front hearth repairs 53  
Furnace filters, replace 182

## G

Garage door  
accessories 135  
adjustments 137  
opener and accessories 134  
opener, repair 136  
painting 282  
removal 24  
weatherstripping 127  
Gas  
pilot, relight 182  
water heater 151  
Gate posts, repair 250  
Glass replacement 124  
Gliding patio door, painting 280  
Grab bar, install 254  
Gutter  
cleaning 83  
painting 270  
remove and re-install 70,71  
repair 72,73  
tearout 13  
Gypsum drywall 208,209,214,215

## H

Handrail, tearout 27  
Laundry tray pump system 145

Laundry tub repairs 181  
Hanging hook, bathroom 255  
Hardware removal 123  
Hardwood flooring  
alterations 260  
buckled, repair 264,265  
finishing 260,261  
squeaky, repair 262,263  
vinyl tile over 259  
Hauling 294,295  
Hinges  
exterior door 118,119  
replace 224,225  
reverse on exterior door 119  
reverse on interior door 225  
Hose bibb, replace 144  
House ventilation fan, replace 201

## I

Ice dam barrier 85  
Icemaker repair 177  
Indirect lighting soffit 238,239  
Insulation

attic 206  
basement 205  
blown-in 207  
crawl space 204  
kneewall 203  
removal 25  
stairway 203

Interior wall covering tearout 21  
Ironing center 188

## J

Jambs 226  
Joists, double up (sistering) 57

## K

Kitchen  
alterations 243  
cabinets, reface 242  
cabinets, tearout 26  
faucet and spray, replace 175  
sink, lower existing 247  
sink parts, replace 173  
sink, repairs 174  
sink, replace 172  
kneewall insulation 203

# INDEX

## L

Laundry tray pump system 145  
Laundry tub repairs 181  
Laundry tub  
    replace 161  
    replace with vanity 158,159  
Light grilles 139  
Linen closet 236  
Laundry tub  
    replace 161  
    replace with vanity 158,159  
Light grilles 139  
Linen closet 236  
Lock, deadbolt 122  
Locksets 119,120,121  
Locksets, mortise 121  
Locksets, mortise 121

## M

Maid service 294  
Marble tile repair 210,258  
Masonry painting 268  
Medicine cabinet 252  
Metal roof repair 69  
Millwork painting 289  
Mirrors 253  
Mudjacking 41  
Mudsill, replace 54

## N

Non-bearing wall removal 16,17

## O

Outlets and switches, remove 193

## P

Pad, concrete 34  
Painting  
    blinds 274  
    bookcase 291  
    cabinet 291  
    ceiling 288  
    closet 290  
    deck 277  
    door, interior 266  
    doors with lights 279  
    eaves 273

Painting (continued)  
    entrance door 278  
    exterior 274  
    fence  
    garage door 282  
    gliding patio door 280  
    gutter and downspouts 270  
    lattice work 274  
    masonry 268  
    millwork and trim, interior 289  
    patio door 280  
    porch 277  
    porch ceiling 271  
    porch floor 276  
    preparation, exterior 266  
    preparation, interior 283  
    shelves 290  
    shingles 268  
    shutters 274  
    siding 269  
    storm sash 274  
    stucco 268  
    trim and soffit 272  
    walls, interior 287  
    washing 267  
    windows, exterior 281  
    windows, interior 284  
    window screen 274

Panel strips 229  
Paneling, solid wood 213  
Pantry cabinet 243  
Pantry closets 236  
Paperholder, bathroom 255  
Patching  
    ceiling 215  
    concrete step 39  
    concrete wall and floor 38  
    built-up roof 65  
    stucco 45  
    walls 209

Patio  
    doors 128  
    doors, alterations 129  
    doors, painting 280  
    repairs 44

Permits, building 2  
Pet door 113  
Phone jack, replace 189  
Plans, building 2  
Pocket door alterations 223  
Porch  
    ceiling, painting 271  
    floor, painting 276  
    painting 277  
    post, replace 88  
    repairs 89  
    tearout 14  
Post, replace  
Pre-hung interior doors 221

## R

Radiator, re-locate 7,10,11  
Rake, replace 91  
Ramp, access 96,97  
Receptacles, replace 190  
Reface kitchen cabinets 242  
Refrigerator ice maker 177  
Register and grilles, replace 184  
Replacement door slab  
    exterior 108,109  
    Interior 218,219  
Replacement windows 138,140  
Replacement windows, vinyl 140  
Resilient flooring tearout 26  
Retaining wall 33,46,47,48,49  
Ridge beam, install 62  
Ridgeboard, replace 61  
Rooftop antenna 256  
Roofing  
    aluminization 65  
    repair 64-69  
    tile, repair and replacement 68

## S

Sand box, assemble 251  
Sash repair 143  
Sawing concrete 4  
Screed coat, concrete 35  
Screen door  
    alterations 133  
    door, install 132,133  
    frame & screening, replace 130  
Security  
    bars 257  
    storm door 257  
Sewer ejection pump, replace 145  
Shelves 232  
Shelves, painting 290  
Shelving system, ventilated 237  
Shingles  
    asphalt and fiberglass 64  
    cedar 66  
    painting 268  
    repair 64,66  
Shoe moulding, install 23  
Shower  
    drain and pan, replace 166  
    parts, replace 169  
    rod and curtain 255  
    snake out 167  
Showerhead, replace 168  
Sidelight  
    and transom 111  
    glass, replace 125  
    replace 111

# INDEX

Sidewalk  
  demolition 4  
  replace 36

Siding  
  aluminum or vinyl, replace 101  
  clapboard, replace 98  
  corner board 99  
  T & G, replace 100  
  tearout 12  
  water table, replace 102

Sill and sweeps, threshold 117

Sistering joists and rafters 57,60,63

Skylight flashing repair 78,79

Slab, concrete, stabilize 40

Slate roof repair 67

Smoke detector, replace

Soffit  
  cover 93  
  indirect lighting 238,239  
  painting 272  
  remove 244  
  replace 92,94,95

Staining, interior window 285

Stairs, tearout 27

Stairway, disappearing 240

Stairway insulation 203

Stairwork 241

Starter, replace 187

Steel grid suspended ceiling 217

Stone wall demolition 5

Stop valve, replace 144

Storage shed 251

Storage shelves 232

Storm door  
  alterations 133  
  install 132

Structural ridge beam 62

Stucco  
  painting 268  
  repairs 3  
  tearout 12

Studwall  
  framing 58  
  tearout 20

Subfloor tearout 22

Sump pump  
  install 31  
  repair 146

Surface water control 29

Swing set, assemble 125

Switches  
  dimmer 194  
  electrical 191  
  replacement 192  
  timer 195

## T

Teeter totter, assemble 251

Threshold, remove, install 116

Threshold sill and sweeps 117

Tiewall (wood retaining wall) 33

Tile, composition 216

Timer switches, install 195

Toilet  
  repair 153  
  replace 152

Tongue and groove siding 100

Towel bar 255

Transformer, ballast and starter 187

Transom, replace 111

Trim, exterior  
  painting 272  
  tearout 12

Trim, interior  
  painting 289  
  tearout 26

Tub parts, replace 169

Tub, snake out 167

TV antenna, secure 256

## U

Underlayment tearout 23

## V

Vanity, replace lavatory 158

Vanity base, replace lavatory 159

Vanity sink base, replace 156

Vanity top, replace 156

Vapor barrier and duct wrap 202

Ventilated shelving systems 237

Ventilation fans, replace 201

Vent pipe collar, replace 81

Vinyl  
  flooring, install 16,17,18,19  
  replacement windows 140  
  siding, replace 101  
  siding, tearout 12  
  tile over hardwood floor 259

## W

Wainscoting 213

Wall  
  bearing, tearout 18,19  
  concrete, demolition 4  
  covering, interior, tearout 21  
  exhaust fans 198  
  exterior, open 7  
  exterior, painting 268,269  
  gypsum drywall 208  
  interior, painting 287

Wall (continued)  
  non-bearing, tearout 16,17  
  painting 287  
  paneling 213  
  papering 293  
  patching 209  
  repair 59  
  stone, demolition 5  
  wainscoting 213

Wallpaper repair 292

Wallpapering 293

Walk-in clothes closet 235

Washing machine valve & drain 180

Waste line repair 148

Water  
  heater, electric 150  
  heater, gas 151  
  pipe maintenance  
  surface control 29  
  table, replace 102  
  treatment system, repair 176  
  weatherstripping 126, 127

Window  
  alterations 143  
  areaway 28  
  installation 8,9  
  open concrete wall for 6  
  painting, exterior 281  
  painting, interior 284  
  removal 10,11,14  
  replacement 138,140  
  sash, replace 141  
  staining, interior 285  
  surface control 29  
  table, replace 102  
  treatment system, repair 176  
  weatherstripping 126,127

Wood  
  beam, replace 55  
  fence, tearout 15  
  rake, repair 91  
  retaining wall (tiewall) 33  
  siding, tearout 12