

CALIFORNIA NON-PREVAILING WAGE 1.19 MULTIPLIER

No.	Description	Unit of Measure	CA NON-PREVAILING WAGE
Water Resistant Roofing			
2	Pressure cleaning, vertical walls	SF	\$ 0.17
3	Pressure cleaning, horizontal surfaces	SF	\$ 0.36
4	Roof scanning to identify wet or substandard roof components to be removed	SF	\$ 0.01
5	Asphalt emulsion coating, waterproofing, brush applied, per coat	SF	\$ 0.10
6	Rubberized coating waterproofing, brush applied, per coat	SF	\$ 0.17
7	Vinyl/acrylic resin, dampproofing, brush applied per coat.	SF	\$ 0.15
8	Non-pigmented synthetic resin, waterproofing, one coat sprayed on	SF	\$ 0.15
9	Caulking: remove existing, clean and prime joint	LF	\$ 1.02
10	Caulking, epoxied urethane compound, 2 component, 1/4" x 1/4", in place	LF	\$ 0.93
11	Caulking, polyurethane, 1 component, 1/4" x 1/4", in place	LF	\$ 1.20
12	Caulking, polyurethane, 1 component, 1/2" x 1/2", in place	LF	\$ 1.17
13	Caulking, silicone rubber, 1 component, 1/4" x 1/4", in place	LF	\$ 0.99
14	Caulking, epoxied urethane compound, 2 component, 1/4" x 1/4", in place	LF	\$ 1.64
15	Caulking, silicone rubber, 1 component, 3/4" x 3/8", in place	LF	\$ 1.17
16	Backer rod, polyethylene, 3/8" diameter, installed in prepared opening	LF	\$ 0.23
17	Backer rod, polyethylene, 1/2" diameter, installed in prepared opening	LF	\$ 0.37
18	Backer rod, polyethylene, 3/4" diameter, installed in prepared opening	LF	\$ 0.39
19	Backer rod, polyethylene, 1" diameter, installed in prepared opening	LF	\$ 0.46
20	Building paper, asphalt felt sheathing paper, 1 ply, 15#, in place	SF	\$ 0.21
21	Building paper, asphalt felt sheathing paper, 1 ply, 40#, in place	SF	\$ 0.11
22	Building paper, red rosin paper, 5 square rolls, 4#, in place	SF	\$ 0.12
23	Vapor retarder adhered, 2 ply inorganic, glass Type 15, applied in Type IV (or appropriate type) asphalt, in place	SF	\$ 0.24
24	Vapor retarder, 2 ply organic, Type 15 pound, applied in Type IV asphalt (or appropriate type), in place	SF	\$ 0.23
25	Vapor retarder; 2-ply inorganic, glass, Type IV, applied in cold adhesive to 4' x 8' x 1/4" glass-mat embedded, water resistant gypsum core panel mechanically fastened	SF	\$ 0.57
Insulation			
27	Demolition of roof insulation, per inch of depth	SF	\$ 0.43
28	Demolition of lightweight cementitious fills, per inch of depth	SF	\$ 0.32
29	Roof deck insulation, Isocyanurate in 4' x 4' or 4' x 8' sheets with fiberglass facers, 1" thick, R-6.6, applied Type IV (or appropriate) asphalt	SF	\$ 0.45
30	Roof deck insulation, Isocyanurate in 4' x 4' or 4' x 8' sheets with fiberglass facers, 1 1/2" thick, R-10.0, applied Type IV (or appropriate) asphalt	SF	\$ 0.68
31	Roof deck insulation, Isocyanurate in 4' x 4' or 4' x 8' sheets, 1" thick, R-6.6, mechanically fastened	SF	\$ 0.36
32	Roof deck insulation, Isocyanurate in 4' x 4' or 4' x 8' sheets with fiberglass facers, 1 1/2" thick, R-10.0, mechanically fastened	SF	\$ 0.77
33	Roof deck insulation, fiberboard in 4' x 4' sheets, 1/2" thick, R-1.39, applied Type IV (or appropriate) asphalt	SF	\$ 0.98
34	Roof deck insulation, fiberboard in 4' x 8' sheets, 25/32" thick, R-2.4, installed hot/cold or mechanically attached coated six sides	SF	\$ 0.33
35	Roof deck insulation, fiberboard in 4' x 4', 1" thick, R-2.78, applied Type IV asphalt (or appropriate asphalt), coated six sides	SF	\$ 0.48
36	Roof deck insulation, fiberboard in 4' x 4' sheets, 1/2" thick, R-1.39, mechanically fastened, coated six sides	SF	\$ 0.52
37	Roof deck insulation, fiberboard in 4' x 4', 1" thick, R-2.78, mechanically fastened, coated six sides	SF	\$ 0.31
38	Roof deck insulation, lightweight cellular wire reinforced concrete fill, R-value depending on thickness, per inch of depth	SF	\$ 0.50

39	Roof deck insulation, vermiculite at 1/8:12, R-value depending on thickness, per inch of depth	SF	\$	1.29
40	Roof deck insulation, vermiculite at 1/4:12, R-value depending on thickness, per inch of depth	SF	\$	1.45
41	Roof deck insulation, gypsum panels, 3" thick	SF	\$	2.36
42	Roof deck insulation, Isocyanurate (black facer only), tapered, 1/8" per foot slope, Type IV asphalt, per inch of depth	SF	\$	0.63
43	Roof deck insulation, Isocyanurate (black facer only), tapered, 1/4" per foot slope, Type IV asphalt, per inch of depth	SF	\$	1.00
44	Cold insulation adhesive	SF	\$	0.93
45	CDX Gypsum, 1/4" x 4' x 8' - Mechanically attached	SF	\$	0.84
46	CDX Gypsum, 1/4" x 4' x 8' - Set into adhesive	SF	\$	1.37
47	CDX Gypsum, 1/2" x 4' x 8' - Mechanically attached	SF	\$	1.15
48	CDX Gypsum, 1/2" x 4' x 8' - Set into adhesive	SF	\$	1.69
49	CDX Gypsum with fiberglass, facer: 1/4" x 4' x 8' - Mechanically attached	SF	\$	0.44
50	CDX Gypsum with fiberglass, facer: 1/4" x 4' x 8' - Set into adhesive	SF	\$	0.69
51	CDX Gypsum with fiberglass facer: 1/2" x 4' x 8' - Mechanically attached	SF	\$	0.56
52	CDX Gypsum with fiberglass facer: 1/2" x 4' x 8' - Set into adhesive	SF	\$	0.83
53	Roof Tiles and Shingles			
54	Remove composition shingles and felts to decking (test for removal of asbestos prior to removal)	SF	\$	0.75
55	Remove clay, concrete, or slate roof tiles to decking	SF	\$	0.81
56	Remove wood shingles and felts to decking	SF	\$	0.29
57	Shingles, fiberglass, Class A, 25-year strip shingles, slopes 3:12 or greater	SF	\$	1.45
58	Shingles, fiberglass, Class A, 30-year, premium laminated multilayered shingles, slopes 3:12 or greater	SF	\$	2.19
59	Replace clay or concrete roof tiles	Each	\$	4.02
60	Self-adhering ice and water shield membrane for shingles, tiles, metal waterways, penetrations, valleys, ridges, edges, etc.	SF	\$	2.15
61	Roofing and Roof Restoration			
62	Remove built-up roof, multi-ply aggregate, non-asbestos, 1" thick or less	SF	\$	0.88
63	Remove single-ply roof: ballast, and membrane only	SF	\$	1.04
64	Remove single-ply roof, membrane partially or fully adhered	SF	\$	1.14
65	Remove single-ply roof, membrane mechanically attached	SF	\$	1.24
66	Remove copper sheet roofing	SF	\$	0.30
67	Base sheet, 3-ply fiberglass, Type IV (or appropriate type) asphalt (17 year roof)	SF	\$	1.70
68	Base sheet, 4-ply fiberglass, mechanically attached (17-year roof)	SF	\$	1.21
69	Fiberglass cap finishing membrane	SF	\$	0.40
70	Base sheet with 2 ply, fiberglass felts, Type IV asphalt (or appropriate type)	SF	\$	1.58
71	Base sheet with 3 ply, fiberglass felts, Type IV asphalt (or appropriate type)	SF	\$	2.02
72	Base sheet mechanically attached with 4 ply, Type VI fiberglass felts, Type IV (or appropriate type) asphalt	SF	\$	1.37
73	Nail base sheet, 3 ply Type VI fiberglass felts, fiberglass cap, Type IV (or appropriate type) asphalt.	SF	\$	1.42
74	Base sheet with 4 ply; 2 polyester and 2 fiberglass felts, Type IV (or appropriate type) asphalt (20 year roof)	SF	\$	1.62
75	Built-up roof, base sheet with 3 ply polyester roofing sheet, Type IV (or appropriate type) asphalt (20 year roof)	SF	\$	1.21
76	Built-up roof, base sheet with 3 ply Type GS fiberglass, cold process adhesive (20 year roof)	SF	\$	3.13
77	Built-up roof base sheet plus 4 ply Type G2 fiberglass, cold process adhesive (30 year roof)	SF	\$	2.12
78	Built-up roof, base sheet, 1 ply Type VI fiberglass, 1 ply modified bitumen sheet, fire rated, Type IV asphalt (15 year roof)	SF	\$	3.08
79	Built-up roof, base sheet, 2 ply polyester roofing sheet, 1 ply modified bitumen sheet, fire rated, Type IV asphalt (or appropriate type) (20 year roof)	SF	\$	1.76
80	Built-up roof, base sheet, G-2, 33 lb., mechanically attached	SF	\$	0.62
81	Built-up roof, base sheet, G-2, 33 lb., Type IV asphalt	SF	\$	0.70
82	Built-up roof, premium asphalt, added cost per ply per square foot	SF	\$	0.10
83	Built-up roof, modified bitumen adhesive, added cost per ply per square foot	SF	\$	0.24
84	Built-up roof, surface with cold asphaltic surfacing adhesive and gravel	SF	\$	2.63
85	Built-up roof, surface with emulsion and granules	SF	\$	0.71
86	Built-up roof, surface with emulsion and aluminum coating	SF	\$	0.96
87	Built-up roof, surface with emulsion and white elastomeric coating	SF	\$	1.01

88	Built-up roof, surface with aluminum coating or paint	SF	\$	1.70
89	Built-up roofing, surface with high solids white elastomeric coating	SF	\$	2.36
90	Built-up roofing repairs; fibered asphalt mastic, brush grade, with fiberglass mesh.	SF	\$	2.42
91	Built-up roofing repairs; pitch-based mastic, with fiberglass mesh	SF	\$	2.09
92	Built-up roofing repairs; elastomeric mastic, with fiberglass mesh	SF	\$	3.31
93	Built-up roofing restoration, coal tar pitch roofs	SF	\$	2.11
94	Built-up roofing rrestoration, odorless, coal tar pitch or asphalt roofs	SF	\$	1.84
95	Single-ply roof, CSPE, 45 mils reinforced, asbestos free, mechanically fastened	SF	\$	1.76
96	Single-ply roof, CSPE, 60 mils reinforced, asbestos free, mechanically fastened	SF	\$	1.88
97	Single-ply roofing repairs (CSPE, PVC, and EPDM)			
98	CSPE	SF	\$	1.64
99	PVC	SF	\$	2.06
100	EPDM	SF	\$	1.81
101	Flashing membrane, 2 ply, Type IV or Type VI fiberglass	SF	\$	1.75
102	Flashing membrane, 1 ply polyester and 1 ply modified bitumen	SF	\$	2.81
103	Flashing membrane, 2 ply, polyester	SF	\$	1.95
104	Flashing membrane, CSPE	SF	\$	5.20
105	Flashing membrane, CSPE with aluminum coating	SF	\$	8.21
106	Polyurethane foam roofing	SF	\$	1.31
107	Additional Polyurethane foam coating	SF	\$	2.13
108	Single-ply roof, EDPM, 45 mils reinforced, mechanically fastened	SF	\$	1.31
109	Single-ply roof, EDPM, 60 mils fully adhered	SF	\$	2.87
110	Built-up roof, base sheet with 3 ply trilaminate ply, cold process adhesive (25 year roof)	SF	\$	3.13
111	Built-up roof, surface with premium asphalt, and gravel.	SF	\$	0.54
112	Built-up roof, surface with Fire Retardent Aluminum coating or paint, single coat	SF	\$	0.76
113	Modified Bitumen roof, base sheet, cap sheet, cold Modified Bitumen Adhesive	SF	\$	4.61
114	Built-up roof, 3 ply fiberglass felts, Type IV asphalt	SF	\$	2.62
115	Single ply Roof, 45 mils fully adhered with bonding adhesive	SF	\$	3.49
116	Single ply roof, TPA Fleece Back, 45 mils fully adhered with hot asphalt	SF	\$	3.49
117	Single ply roof, 45 mils mechanically attached	SF	\$	1.56
118	Base sheet mechanically attached with 3 ply fiberglass felts, Type 1 -Coal Tar Pitch	SF	\$	1.56
119	Base sheet mechanically attached with 3 ply Organic felts, Type 1 -Coal Tar Pitch	SF	\$	1.61
120	Built-up roof, 4 ply Fiberglass felts, Type 1 Coal Tar Pitch	SF	\$	1.65
121	Build-up roof, 4 ply Organic felts, Type 1 Coal Tar Pitch	SF	\$	1.65
122	Built-up roof, surface with hot Coal Tar Pitch and gravel	SF	\$	1.15
123	Single ply repairs using 2 coat polyurethane, elastomeric coating system	SF	\$	4.00
124	Single ply repairs at laps or defects using 2 coats elastomeric coating system with reinforcement	SF	\$	4.28
125	Single ply roof, TPA fleece back, 60 mils fully adhered with hot asphalt	SF	\$	5.57
126	Single ply roof 60 mils fully adhered with bonding adhesive	SF	\$	5.57
127	Built-up roof, 1 ply Trilaminate, 1 ply Modified Bitumen Sheet, fire rated	SF	\$	2.62
128	Masonry			
129	Brick, remove and reset, 1 to 50 sq ft	SF	\$	19.86
130	Brick, remove and reset, over 50 sq ft	SF	\$	16.05
131	Block, remove and reset	SF	\$	16.73
132	Coping stones, remove and reset	Each	\$	39.84
133	Brick, block or coping removal	Each	\$	12.94
134	Brick, block and brick exterior wall maintenance, repair and application of protective coatings.			
135	Selective Demolition of Concrete Block Masonry Units (CMU) with perimeter saw cutting-swingstage 4", 6" and 8" block (high-rise)	Each	\$	7.93
136	Selective Demolition of Brick Masonry Units withperimeter saw cutting -swingstage one, two, and three wythe (high-rise)	SF	\$	28.41
137	Selective Demolition of Brick Masonry Units with perimeter saw cutting -scaffolding one, two and three wythe (low-rise)	SF	\$	20.16
138	Selective Demolition of Mortar Joint with Perimeter Sawcutting - Swingstage (high-rise)			
139	Removal of existing mortar (1/2" wide by 3/4" depth)	SF	\$	2.12
140	Removal of existing mortar (3/4" wide by 3/4" depth)	SF	\$	2.30
141	Removal of existing mortar (1/2" wide by 1 1/2" depth)	SF	\$	2.52
142	Removal of existing mortar (3/4" wide by 1 1/2" depth)	SF	\$	3.21
143	Selective Demolition of Mortar Joint with Perimeter Sawcutting - Scaffolding (low-rise)			

144	Removal of existing mortar (1/2" wide by 3/4" depth)	SF	\$	4.20
145	Removal of existing mortar (3/4" wide by 3/4" depth)	SF	\$	4.62
146	Removal of existing mortar (1/2" wide by 1 1/2" depth)	SF	\$	6.65
147	Removal of existing mortar (3/4" wide by 1 1/2" depth)	SF	\$	7.72
148	New Pointing Work - Swingstage (high-rise)			
149	Furnish and install new mortar (1/2" wide by 3/4" depth)	SF	\$	2.78
150	Furnish and install new mortar (3/4" wide by 3/4" depth)	SF	\$	2.89
151	Furnish and install new mortar (1/2" wide by 1 1/2" depth)	SF	\$	2.46
152	Furnish and install new mortar (3/4" wide by 1 1/2" depth)	SF	\$	3.57
153	New Pointing Work - Scaffolding (low-rise)			
154	Furnish and install new mortar (1/2" wide by 3/4" depth)	SF	\$	6.72
155	Furnish and install new mortar (3/4" wide by 3/4" depth)	SF	\$	7.57
156	Furnish and install new mortar (1/2" wide by 1 1/2" depth)	SF	\$	7.84
157	Furnish and install new mortar (3/4" wide by 1 1/2" depth)	SF	\$	8.98
158	Removal of Roof Parapets - Swingstage (high-rise)			
159	Removal of 3 wythe brick parapet wall (24" high)	SF	\$	42.38
160	Removal of 3 wythe brick parapet wall (42" high)	SF	\$	74.57
161	Removal of 2 wythe brick parapet wall (24" high)	SF	\$	35.50
162	Removal of 3 wythe brick parapet wall (42" high)	SF	\$	65.27
163	Removal of Roof Parapets - Scaffolding (low-rise)			
164	Removal of 3 wythe brick parapet wall (24" high)	SF	\$	81.81
165	Removal of 3 wythe brick parapet wall (42" high)	SF	\$	147.24
166	Removal of 2 wythe brick parapet wall (24" high)	SF	\$	68.71
167	Removal of 3 wythe brick parapet wall (42" high)	SF	\$	137.42
168	Reconstruction of Brick Masonry Roof Parapets - Swingstage (high-rise)			
169	New brick masonry parapet w/stone coping and flashings (3 wythe -24" high)	SF	\$	125.31
170	New brick masonry parapet w/stone coping and flashings (3 wythe -42" high)	SF	\$	158.27
171	New brick masonry parapet w/stone coping and flashings (2 wythe -24" high)	SF	\$	93.02
172	New brick masonry parapet w/stone coping and flashings (2 wythe -42" high)	SF	\$	115.80
173	Reconstruction of Brick Masonry Roof Parapets - Scaffolding (low-rise)			
174	New brick masonry parapet w/stone coping and flashings (3 wythe -24" high)	SF	\$	229.04
175	b) New brick masonry parapet w/stone coping and flashings (3 wythe -42" high)	SF	\$	310.85
176	c) New brick masonry parapet w/stone coping and flashings (2 wythe -24" high)	SF	\$	163.60
177	d) New brick masonry parapet w/stone coping and flashings (2 wythe -42" high)	SF	\$	239.44
178	New Throughwall Flashings - Swingstage (high-rise)			
179	Removal of 4 courses 1 wythe brick wall w/Temporary Shoring	SF	\$	44.10
180	Removal and replacement of steel lintel	SF	\$	22.25
181	Furnish and install new flashings (Bituthane)	SF	\$	6.95
182	Furnish and install new flashings (Lead coated copper)	SF	\$	12.52
183	Parging and waterproofing of back-up wall	SF	\$	9.73
184	New Throughwall Flashings - Scaffolding (low-rise)			
185	Removal of 4 courses 1 wythe brick wall w/Temporary Shoring	SF	\$	35.52
186	Removal and replacement of steel lintel	SF	\$	41.71
187	Furnish and install new flashings (Bituthane)	SF	\$	11.14
188	Furnish and install new flashings (Lead coated copper)	SF	\$	22.24
189	Parging and waterproofing of back-up wall	SF	\$	15.58
190	Brick Masonry/Stone Stabilization			
191	Drilling and installation of new friction pins with mortar cap	SF	\$	11.45
192	Drilling and installation of new friction pins for lime stone with mortar cap	SF	\$	11.45
193	Limestone Removal and Replacement.			
194	Removal of existing deteriorated architectural limestone	SF	\$	28.63
195	Furnish and install new limestone replacement.	SF	\$	82.57
196	Replacement of stone with lightweight polymer resin to match	SF	\$	16.61
197	Minor patching of existing stone to match	SF	\$	34.95
198	Terra Cotta Removal and Replacement.			
199	Removal of existing deteriorated architectural Terra Cotta	SF	\$	57.27
200	Furnish and install new Terra Cotta replacement.	SF	\$	183.24
201	Replacement of stone with lightweight polymer resin to match	SF	\$	66.41
202	Minor patching of existing stone to match	SF	\$	105.89
203	Roof Coping Stones.			
204	Removal of existing roof coping stones (16 inches)	SF	\$	27.00
205	Removal and parging of existing substrate	SF	\$	4.45
206	Furnish and install new lead coated copper flashings	SF	\$	18.31
207	Drilling and epoxy grouting stainless steel pins	SF	\$	5.51

208	Reinstallation of existing stones with cleaning	SF	\$	16.56
209	Furnish and install new coping stones	SF	\$	37.68
210	Furnish and install new sealants between coping stones.	SF	\$	5.80
211	Cleaning and coating of existing stones.	SF	\$	4.30
212	CMU Backup Wall Repair and Waterproofing.			
213	Replacement of Deteriorated CMU Back-up	SF	\$	12.98
214	Parging of CMU back-up wall	SF	\$	3.26
215	Waterproofing of back-up wall	SF	\$	1.86
216	Brick Masonry Piers			
217	Isolated repair of existing masonry piers (removal and replacement)	SF	\$	25.76
218	Reconstruction of isolated areas of pier	SF	\$	23.23
219	Construction of new masonry piers.	SF	\$	18.60
220	Crack Repair			
221	Drill and install new stainless steel pins.	Each	\$	7.14
222	Grouting of open cracks	SF	\$	4.91
223	Replacement of cracked bricks	SF	\$	9.82
224	Concrete Removal			
225	Perimeter sawcutting	SF	\$	1.02
226	Removal of existing concrete (2" depth).	SF	\$	4.81
227	Removal of existing concrete (3.5" depth).	SF	\$	6.19
228	New Concrete and Coating			
229	Placement of new high strength patching mortar (2" depth)	SF	\$	17.17
230	Placement of new high strength patching mortar (3.5" depth).	SF	\$	19.24
231	Cleaning and coating of concrete surface.	SF	\$	5.50
232	Sidewalk Bridging.	SF	\$	21.46
233	Temporary Roof Protection	SF	\$	1.75
234	Metal Work			
235	Remove standard metal decking	SF	\$	2.03
236	Install metal decking; 1-1/2" deep, 20 gauge, standard profile	SF	\$	4.20
237	Install steel plate, two sizes	SF	\$	3.21
238	10 Gauge, standard application	SF	\$	3.21
239	Extra heavy-duty 1/4th inch	SF	\$	1.74
240	Remove metal counterflashing	LF	\$	1.89
241	Counterflashing, galvanized, 24 gauge, 6" width	LF	\$	3.69
242	Counterflashing, copper, 16 oz., 6" width	LF	\$	2.49
243	Remove metal edge, gravel stop, eave strip, or coping	LF	\$	1.57
244	Metal edge raised, galvanized steel fascia/eave drip; 6 "face, hemmed, continuous cleat, 3" deck flange	LF	\$	5.26
245	Gravel stop, galvanized steel, 24 gauge, 6" face	LF	\$	5.97
246	Remove metal gutter	LF	\$	2.80
247	Gutter, galvanized steel, ASTM 526, with 12.5oz./squarefoot galvanized coating, 24 gauge, 5" box or ogee style, joints and end caps shall be soldered	LF	\$	16.12
248	Gutter, aluminum, .050" thick 5" box or ogee, painted, Kynar finish	LF	\$	21.31
249	Gutter, copper, 16 oz, half round, 5" wide	LF	\$	8.73
250	Gutter, copper, 16 oz, half round, 6" wide	LF	\$	10.26
251	Remove metal downspouts	LF	\$	2.38
252	Downspouts, aluminum, .024" thick, 3" x 4", painted, installed	LF	\$	15.77
253	Downspouts, GI, 24 gauge 3" x 4" installed	LF	\$	20.46
254	Downspouts, GI, 24 gauge, 4" round	LF	\$	13.23
255	Downspouts, copper, 16 oz., 6" round	LF	\$	11.91
256	Downspouts, strainer	Each	\$	4.02
257	Metal flashing, apron flashing, 9" wide	LF	\$	3.61
258	Metal flashing, step flashing	Each	\$	6.68
259	Metal splash pan, 16 oz.	Each	\$	11.84
260	Metal trim, aluminum, .032" thick, painted	LF	\$	2.49
261	Metal storm collar	Each	\$	21.24
262	Metal coping, galvanized steel, 24 gauge, standing seam	SF	\$	12.73
263	Metal coping, galvanized steel, 24 gauge, with butt plate	SF	\$	12.73
264	Resolder joints in sheet metal	LF	\$	0.99
265	Metal edge, aluminum, 0.50 thick 6" face painted	SF	\$	13.38
266	Metal edge, aluminum, free floating fascia system	SF	\$	18.55
267	Parapet wall metal	SF	\$	11.41
268	Metal edge, anodized finished aluminum, free floating fascia system 8 inches	SF	\$	33.25

269	Metal edge, high performance fluorocarbon finished aluminum, free floating fascia system 8 inches	SF	\$	15.05
270	Metal edge, anodized finished aluminum, free floating fascia system 6 inches	SF	\$	13.38
271	Metal edge, high performance fluorocarbon finished aluminum, free floating fascia system 6 inches	SF	\$	11.71
272	New Aluminum Metal Cladding			
273	Furnish and install new uninsulated aluminum wall cladding	SF	\$	6.96
274	Furnish and install new insulated aluminum wall cladding	SF	\$	12.23
275	Furnish and install new insulated aluminum wall cladding panels (Architecture)	SF	\$	17.41
276	Cladding of roof parapet walls with copings.	SF	\$	20.29
277	New Exterior Insulation and Finish System (EIFS)			
278	New Exterior Insulation and Finish System (EIFS)	SF	\$	24.20
279	New Exterior Insulation Finish System (EIFS) w/o insulation	SF	\$	14.93
280	New Metal Copings.	SF	\$	10.61
281	Surface Preparation			
282	Cleaning of existing steel and surface.	SF	\$	8.06
283	Coating of existing reinforcement	SF	\$	0.89
284	Exterior rated gypsum board sheathing and substrate	SF	\$	2.49
285	EIFS Repair	SF	\$	23.06
286	Woodwork			
287	Demolition of plywood or standard 1" x 6" decking	SF	\$	0.99
288	Demolition of standard 2" x 6" tongue and groove decking	SF	\$	0.74
289	Plywood decking, CDX, 1/2" thick (or 15/32" optional)	SF	\$	2.25
290	Plywood decking, CDX, 5/8" thick	SF	\$	1.18
291	Plywood decking, CDX, 3/4" thick	SF	\$	2.11
292	Standard 1" x 6" decking, tongue and groove	SF	\$	1.31
293	Standard 2" x 6" tongue and groove decking	SF	\$	1.93
294	Cants, wood fiber, trapezoidal, 1 1/2" x 5 5/8"	LF	\$	0.61
295	Cants, SBX treated wood, 4" x 4" diagonal	LF	\$	2.19
296	Nailer, SBX treated wood, 1" x 4"	LF	\$	0.93
297	Nailer, SBX treated wood, 2" x 4"	LF	\$	1.13
298	Nailer, SBX treated wood			
299	2" x 6"	LF	\$	2.02
300	2" x 8" optional	LF	\$	2.15
301	Curbing, SBX treated wood, 2" x 12"	LF	\$	2.50
302	Joist, fir			
303	2" x 6"	LF	\$	2.61
304	2" x 8" optional	LF	\$	2.98
305	Joist, fir			
306	2" x 10"	LF	\$	3.00
307	2" x 12" optional	LF	\$	3.27
308	Standing Seam Metal Roof System (SSMRS) Price Each			
309	Specification Using Line Items			
310	Pre-Engineered SSMRS, products (20-year roof)	SF	\$	5.49
311	Subpurlins	LF	\$	5.71
312	Roof panel installation	SF	\$	4.86
313	Field forming of panels	SF	\$	2.14
314	Concealed anchor clips	Each	\$	1.69
315	Vapor retarder installation	SF	\$	0.77
316	Insulation installation	SF	\$	2.49
317	Gutters (SSMRS only)	LF	\$	18.42
318	Gutter liners	SF	\$	4.28
319	Flashing	LF	\$	8.93
320	Expansion joints	LF	\$	21.63
321	Finishing touches (no additional cost in contract)			
322	Snow retention assemblies	LF	\$	1.13
323	Self-adhering ice and water shield membrane for shingles, tiles, metal waterways, penetrations, valleys, ridges, edges, etc.	LF	\$	2.34
324	Roof Specialties and Accessories			
325	Remove roof hatch	Each	\$	88.36
326	Roof hatch, aluminum, 2'6" x 3'0"	Each	\$	316.44
327	Roof hatch, aluminum, larger sizes	SF	\$	27.27
328	Remove existing roof drain, except plumbing	Each	\$	276.64
329	Install new roof 4" drain, except plumbing	Each	\$	1,226.90

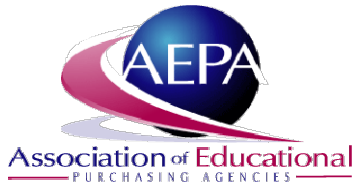
330	Install new roof 6" drain, except plumbing	Each	\$	1,226.90
331	Reflash existing roof drain	Each	\$	170.15
332	Plumbing stack, 4# lead flashing	Each	\$	74.80
333	Scupper, sheet steel, 24 gauge ASTM A 526, match existing configuration	Each	\$	134.03
334	Remove existing walkway, built-up roofs	SF	\$	0.27
335	Walkway, built-up roofs, desert tan fiberglass	LF	\$	0.40
336	Walkway, built up roofs, non skid	LF	\$	2.23
337	Walkway, single ply roof			
338	30" wide roll goods, tape attached	LF	\$	1.63
339	30" wide roll, hot asphalt attached	LF	\$	1.89
340	30" wide roll, adhesive attached	LF	\$	1.92
341	Roof ventilators	Each	\$	87.30
342	Roof ladder, steel, bolted to concrete, up to 20 feet, without cage	LF	\$	53.72
343	Roof ladder, steel, bolted to concrete, 20 feet and up, with cage; with intermediate landings as required by Code	LF	\$	65.65
344	Roof ladder, security ladder guard	Each	\$	70.10
345	Termination bar, aluminum, 1/4" x 1"	LF	\$	2.77
346	Pitch pocket, 24 gauge, GI, 6" x 6", with storm collar hemmed to outside, soldered corners and seams	Each	\$	116.23
347	Pitch pocket, 24 gauge, GI, 8" x 8", with storm collar, hemmed to outside, soldered corners and seams	Each	\$	127.14
348	Pitch pocket, resurface top only			
349	8 "x 8"	Each	\$	4.24
350	12" x 12"	Each	\$	5.13
351	Expansion joint, butyl or neoprene bellows, galvanized flange	LF	\$	19.04
352	Expansion joint, CSPE reinforced	LF	\$	14.70
353	Repair kit for dry repairs	Each	\$	22.31
354	Repair kit for wet repairs	Each	\$	22.31
355	Skylights (price each size and lens combination)			
356	Standard 3' x 5', 4' x 4', 4' x 8' with single clear lenses	SF	\$	14.11
357	Standard 3' x 5', 4' x 4', 4' x 8' with clear double lenses	SF	\$	24.95
358	Skylight lense replacement only, clear	SF	\$	3.34
359	Skylight lense replacement only, double clear	SF	\$	3.34
360	Security/fall bars for skylights			
361	3' x 5'	Each	\$	75.86
362	4' x 4'	Each	\$	75.86
363	4' x 8'	Each	\$	169.58
364	Special sizes	SF	\$	12.59
365	Roof Services			
366	Asbestos core testing and patch of existing roof surface	Each	\$	55.01
367	Core analysis, 14" x 14" and patch of existing roof surface	Each	\$	239.87
368	Non destructive roof scan, up to 50,000 sq ft, full service each	Each	\$	2,210.14
369	Additional foot over 50,000 sq ft	SF	\$	0.02
370	Non destructive roof scan, up to 50,000 sq ft, limited service	Each	\$	1,605.43
371	Additional foot over 50,000 sq ft	SF	\$	0.02
372	Roof inspection services (visual inspection of roofing service/membrane, flashings, counterflashings, copings, parapets, trims, hatches, penetrations, curbs, roof-mounted equipment, etc. with a written report of findings and recommendations)	Day	\$	765.43
373	Field/shop drawings, up to 10,000 sq ft	SF	\$	0.02
374	Field/shop drawings, 10,000-50,000 sq ft	SF	\$	0.02
375	Field/shop drawings, over 50,000 sq ft	SF	\$	0.02
376	Prime contractor's warranty, restoration, less than 10,000 per sq ft, minimum charge	Per Project	\$	500.00
377	Prime contractor's warranty, restoration, over 10,000 sq ft, minimum charge	SF	\$	0.05
378	Prime contractor's warranty, re-roof, total system, 10 year, less than 10,000 sq ft, minimum charge (Standard)	Per Project	\$	1,000.00
379	Prime contractor's warranty, re-roof, total system, 10 year, less than 10,000 sq ft, minimum charge (includes 2, 5, 7, 10, 15 year inspections)	Per Project	\$	1,500.00
380	10 year Restoration Warranty Under 10,000 Square Feet, Inspections in Years 2 & 5	EA	\$	2,000.00
381	10 year Restoration Warranty Over 10,000 Square Feet, Inspections in Years 2 & 5	EA	\$	0.20
382	Prime contractor's warranty, re-roof, total system, 10 year, more than 10,000 sq ft, minimum charge (Standard)	SF	\$	0.15
383	Prime contractor's warranty, re-roof, total system, 10 year, more than 10,000 sq ft, minimum charge (includes 2, 5, 7, 10, 15 year inspections)	SF	\$	0.15

384	Per diem rate per worker per 24 hour period of time	Per Day	\$	54.22
385	Prime contractors per diem/costs for asbestos abatement planning	Day	\$	27.60
386	Asbestos abatement activities, BUR removal and disposal of waste	SF	\$	1.56
387	Project site is located 65 or more miles from the contractor's/subcontractor's yard/home location	SF	\$	0.79
388	Asbestos site monitoring	Day	\$	335.35
389	Annual or semi-annual roof housekeeping-per location			
390	Cost once a year per location if less than 20,000 sq. ft.	SF	\$	0.07
391	Cost per Sq.ft. per year per location if greater than 20,000 sq.ft.	SF	\$	0.07
392	Cost semi-annual per location if less than 20,000sq. ft	SF	\$	0.14
393	Cost per Sq.ft. semi annual per location if greater than 20,000 sq.ft.	SF	\$	0.14
394	Roof leak investigation	Day	\$	402.34
395	Minor roof repair calls	Day	\$	843.75
396	Difficult access or fall restriction; surcharge	Each		15.00%
397	Excessive hauling	Each	\$	86.94
398	Work in secured areas or compounds; surcharge	Each		15.00%
399	Additional and occasional supplies, materials, equipment and services			
400	Additional and occasional services Roofing supplies Discount off Retail Price List	% of Discount		13.40%
401	HVAC: Alternative Methods of Costing -percent of overhead/markup and profit added to cost	% of O/P		20.00%
402	HVAC: Discounts Offered Off Alternative CostingMethods (cost plus profit and overhead) Less Rate of Discount	% of discount		6.00%
403	HVAC: Multiplier/factor to be applied to the R.S. Means costs.	% to be applied		89%
404	Cold and bad weather storage - identify extra cost, if any	Day	\$	0.01
405	Deducts and add-ons for in lieu products			
406	Polyurethane foam roofing, first inch (Deduct Line 106)	SF	\$	(0.12)
407	Additional polyurethane foam, per inch (Deduct Line 107)	SF	\$	(0.30)
408	Acrylic/elastomeric, UL listed, Class A, 15 DFT	SF	\$	1.94
409	Cementitious rock coating (add)	SF	\$	2.67
410	Add acrylic plus rock (add)	SF	\$	2.53
411	Shingles, fiberglass, Class A, 25-year strip shingles (add)	SF	\$	(0.07)
412	Install one layer 15lb felt (add)	SF	\$	0.33
413	Single ply repairs using 2 coat polyurethane, elastomeric coating system (Deduct Line 123)	SF	\$	(0.12)
414	Single ply repairs at laps or defects using 2 coats elastomeric coating system with reinforcement (Deduct Line 124)	SF	\$	(0.18)
415	Value Add			
416	Route existing cracks in concrete or masonry	LF	\$	0.81
417	Prepare concrete by Shot blasting	SF	\$	0.24
418	Vertical application of water dispersed VOC compliant silane sealer	SF	\$	0.48
419	Horizontal application of water dispersed VOC compliant silane sealer	SF	\$	0.57
420	Roof Cleaning System	SF	\$	0.42
421	Roof deck insulation, fiberboard in 4' x 4' sheets, 1/2" thick, R-1.39, applied Type IV (or appropriate) asphalt			
422	Cold applications: adhere insulation to primed deck or sub-insulation with a cold adhesive at a rate of 1.5 gallons per 100 square feet.	SF	\$	1.23
423	Installation of new Polyisocyanurate insulation			
424	Mechanically attached	BF	\$	1.45
425	Hot adhered	BF	\$	1.27
426	Cold adhered	BF	\$	1.94
427	Ridge Vents	LF	\$	6.16
428	Synthetic Underlayment	SF	\$	0.50
429	Shingles, Fiberglass, Class A 40-Year Premium Laminated Multilayered Shingles, Slope 3:12 or Greater	SF	\$	2.31
430	Shingles, Fiberglass, Class A 50-Year Premium Laminated Multilayered Shingles, Slope 3:12 or Greater	SF	\$	2.74
431	Install layer of 30 lb. Felt	SF	\$	0.39
432	TPO 60 mil system installation			
433	Bonding adhesive	SF	\$	4.46
434	Mechanically attached	SF	\$	3.75
435	Wet Vacuum loose aggregate from roof membrane	SF	\$	0.57
436	Sweep loose aggregate, debris from Substrate	SF	\$	0.44
437	Prime Substrate	SF	\$	0.30
438	Flashing membrane, 1 ply fiberglass and 1 ply modified bitumen fire rated	SF	\$	3.86

439	Disaster Response Repairs	%		20.00%
440	Built Up Roof Surface w/ Cold Process White Highly Reflective Adhesive and White Marble Gravel	SF	\$	6.00
441	Two component, high performance, one part moisture triggered, polyurethane coating system with reinforcement	SF	\$	12.26
442	Two part, bio-based, polyurethane roof coating system	SF	\$	9.67
443	Two part, bio-based, polyurethane roof coating system, non-reinforced	SF	\$	8.47
444	Two-part UV Resistant, Polyurethane Modified Methyl Methacrylate Roof Coating System	SF	\$	11.01
445	Metal Restoration with Acrylic Coating	SF	\$	7.06
446	Metal Restoration with Aluminum Coating	SF	\$	3.83
447	Brick, Remove and install new standard brick	EA	\$	31.11
448	Structural Analysis/engineering services	Per Hour	\$	105.00
449	Multiplication factor for roofs Greater Than 10,000 And Under 20,000 Square Feet	%		15%
450	Multiplication factor for roofs Greater Than 5,000 And Under 7,000 Square Feet	%		20%
451	Multiplication factor for roofs Greater Than 3,000 And Under 5,000 Square Feet	%		25%
452	Multiplier for roofs less than 1,000 square feet	%		30%
453	Emergency Leak Repair per 1/2 Man Day	EA	\$	982.79
454	10 year Restoration Warranty Under 10,000 Square Feet, Standard	EA	\$	800.00
455	10 year Restoration Warranty Over 10,000 Square Feet, Standard	EA	\$	0.08
456	12 Year Restoration Warranty Under 10,000 Square Feet, Standard	EA	\$	1,000.00
457	12 Year Restoration Warranty Over 10,000 Square Feet, Standard	SF	\$	0.10
458	12 Year Restoration Warranty Under 10,000 Square Feet, Inspections In Years 2, 5 & 10	EA	\$	2,400.00
459	12 Year Restoration Warranty Over 10,000 Square Feet Inspections In Years 2, 5 & 10	SF	\$	0.24
460	15 year Restoration Warranty Under 10,000 Square Feet, Inspections in Years 2, 5, 10 & 15	EA	\$	3,000.00
461	15 year Restoration Warranty Over 10,000 Square Feet, Inspections in Years 2, 5, 10 & 15	SF	\$	0.30
462	Warranty 15 year option roofs under 10,000 sq ft minimum charge (Standard)	EA	\$	1,200.00
463	Warranty 15 year option roofs under 10,000 Square Feet Inspections In Years 2, 5 & 10	EA	\$	1,500.00
464	Warranty 15 year option roofs over 10,000 sq ft minimum charge (Standard)	SF	\$	0.12
465	Warranty 15 year option roofs over 10,000 sq ft with inspections year 2, 5 & 10	SF	\$	0.15
466	20 Restoration Warranty Under 10,000 Square Feet Inspections In Years 2, 5, 10 & 15	EA	\$	4,000.00
467	20 Restoration Warranty Over 10,000 Square Feet Inspections In Years 2, 5, 10 & 15	SF	\$	0.40
468	20 Year Replacement Warranty Under 10,000 Square Feet Inspections In Years 2, 5, 10 & 15	EA	\$	2,000.00
469	20 Year Replacement Warranty Over 10,000 Square Feet Inspections In Years 2, 5, 10 & 15	SF	\$	0.20
470	20 year Replacement Warranty Under 10,000 Square Feet, Inspections in years 2, 5, 10, and 15, no maintenance	EA	\$	1,600.00
471	20 year Replacement Warranty Over 10,000 Square Feet, Inspections in years 2, 5, 10, and 15, no maintenance	SF	\$	0.16
472	30 year Replacement Warranty Under 10,000 Square Feet, Inspections in Years 2, 5, 10, 15, 20, 25 & 30	EA	\$	6,000.00
473	30 Restoration Warranty Under 10,000 Square Feet Inspections In Years 2, 5, 10, 15, 20 & 25	EA	\$	6,000.00
474	30 year Replacement Warranty Over 10,000 Square Feet, Inspections in Years 2, 5, 10, 15, 20, 25 & 30	SF	\$	0.60
475	30 Restoration Warranty Over 10,000 Square Feet Inspections In Years 2, 5, 10, 15, 20 & 25	SF	\$	0.60
476	Warranty Extension 5 yr 5,000 sf or less	EA	\$	3,499.99
477	Warranty Renewal 5 yr 5,000 sf or less	EA	\$	3,949.99
478	Warranty Extension 5 yr 5,001 sf -19,999 sf	EA	\$	4,999.99
479	Warranty Renewal 5 yr 5,001 sf -19,999 sf	EA	\$	5,699.99
480	Warranty Extension 5 yr 20,000 sf-49,999 sf	SF	\$	0.24
481	Warranty Renewal 5 yr 20,000 sf-49,999 sf	SF	\$	0.29
482	Warranty Extension 5 yr 50,000 sf and greater	SF	\$	0.24
483	Warranty Renewal 5 yr 50,000 sf and greater	SF	\$	0.24
484	Warranty Extension 5 yr 100,000 sf and greater	SF	\$	0.14
485	Warranty Renewal 5 yr 100,000 sf and greater	SF	\$	0.19

486	Roof Coating - high solids, waterbased, heavy bodied elastomeric coating formulated with an acrylic latex polymer	SF	\$	4.61
487	Roof Coating - high solids, waterbased, heavy bodied elastomeric coating formulated with an acrylic latex polymer w/polyester reinforcing	SF	\$	5.13
488	AIR BARRIER LINE ITEMS			
489	Foam Roof/Wall Intersection - Under 20'	LF	\$	13.96
490	Foam Roof/Wall Intersection - Over 20'	LF	\$	16.49
491	Seal roof top exhaust fan curb mountings	Each	\$	93.06
492	Adding foam board as a filler in large openings, ie: above soffits	LF	\$	29.08
493	Interior miscellaneous foam application - Under 20'	LF	\$	11.64
494	Weatherstrip and install sweep - single commercial door	1 Set	\$	327.18
495	Weatherstrip and install sweep - double commercial door	1 Set	\$	654.36
496	Seal Mechanical Rooms (With wall / roof pipe projections)	1	\$	605.88
497	Seal individual plumbing, pipe or duct	EA	\$	60.58
498	Seal Windows (exterior only, sub-k must provide estimate)	LF	\$	14.54
499	Weatherstrip operable wood or aluminum windows with replacement finseal pile or foam tape or vinyl "V" strips	LF	\$	5.15
500	Weatherstrip steel frame and sash windows with in-situ silicone gasket. 2 trips required	LF	\$	11.75
501	Interior caulking of window and door frames with clear paintable caulk	LF	\$	2.67
502	Miscellaneous Interior caulking with clear paintable caulk	LF	\$	2.67
503	Weatherstrip Overhead Garage Doors (12' x12') 48' LF w/rubber fins on bottom. Install face mounted leaf seal product to the bottom face of the door as the thresholds on doors (concrete)	Unit	\$	1,163.28
504	Blower Door Testing	Day	\$	9,694.04
505	Thermography inspection performed during final test and thermography inspection. (Based on 60,000 sq ft. elementary school)	Day	\$	4,847.02
506	Blower Door Directed Air Sealing - Supervision Only	Day	\$	3,635.27
507	Building Envelope Assessment	Day	\$	7,270.53
508	Mileage rate	Per Mile	\$	0.49
509	Performance and payment bond - bonding rate (percent of project)	%		0.40%
510	Bonding capacity - total amount of capacity available	Dollar Amount	\$	200,000,000.00
511	Multiplier/factor to be applied to the R.S. Means costs for the National Cooperative Contractor Network	% To Be Applied		92%
512	Multiplier - roof height is greater than 2 stories; equal to or less than 5 stories	Multiplier		1.21
513	Multiplier - roof height is greater than 5 stories; less equal to or less than 10 stories	Multiplier		1.52
514	Multiplier - roof height is greater than 10 stories	Multiplier		2.17
515	Multiplier - roof has large amount of penetrations and roof top obstructions	Multiplier		1.73
516	Multiplier - roof is considered non-standard architecture or has > 4:12 slope	Multiplier		2.17
517	Multiplier - roof is less than 3,000 Square Feet But Greater Than 1,000 Square feet	Multiplier		3.03
518	Multiplier - roof size is greater than 7,000 Square Feet But Less Than 10,000 Square Feet	Multiplier		1.73
519	Multiplier- City, town or county permit fee for construction project local to members location.	Multiplier		1.02
520	Multiplier- Working in Metro or Urban areas	Multiplier		1.20
521	Construction Distributor Material For Repair Work	Multiplier		1.15
522	Building/Construction Superintendent	Per Hour	\$	178.20
523	Building/Construction Manager	Per Hour	\$	207.95
524	DUE TO LEGISLATION CHANGES IN CALIFORNIA THE RATES ARE AS FOLLOWS FOR THE FOLLOWING LINES:			
525	Roof inspection services (visual inspection of roofing service/membrane, flashings, counterflashings, copings, parapets, trims, hatches, penetrations, curbs, roof-mounted equipment, etc. with a written report of findings and recommendations	Day	\$	893.36
526	Roof leak investigation	Day	\$	468.75
527	Minor roof repair calls	Day	\$	984.76
528	Labor Rate for Roofer	Per Hour	\$	173.24
529	Building / Construction Inspector	Per Hour	\$	148.25
530	Roof Inspector	Per Hour	\$	173.00
531	Consulting	Per Hour	\$	71.40
532	Design	Per Hour	\$	105.91
533	Installer	Per Hour	\$	164.92
534	Tradesman	Per Hour	\$	164.92
535	Engineering, Electrical	Per Hour	\$	99.96
536	Engineering, Mechanical	Per Hour	\$	99.96
537	Crew Supervision	Per Hour	\$	106.30

538	General Laborer	Per Hour	\$	145.13
539	Training	Per Hour	\$	130.61
DESCRIPTION OF COST FACTORS FROM TABLE F-2				
540	Per diem rate - meals and lodging per 24 hour period	Per Day	\$	154.70
541	Performance and payment bond - bonding rate (percent of project)	Percent		0.40%
542	Alternative methods of costing - percent of overhead/markup to cost	Percent		20.00%
543	Discounts offered of alternative costing methods (cost + profit & overhead) Rate of discount.	Percent		6.00%
544	R.S. Means Multiplier/Factor - Normal Hours - Non-Prevailing Wage Rates	Percent		89.00%
545	R.S. Means Multiplier/Factor - Out Side of Normal Hours - Non-Prevailing Wage Rates	Percent		94.00%
546	R.S. Means Multiplier/Factor - Normal Hours - Prevailing Wage Rates	Percent		92.00%
547	R.S. Means Multiplier/Factor - Out Side of Normal Hours - Prevailing Wage Rates	Percent		97.00%
548	Performance and payment bond - bonding rate (percent of project)	Percent		0.40%



CALIFORNIA PREVAILING WAGE / DAVIS-BACON WAGE 1.25 MULTIPLIER

No.	Description	Unit of Measure	CA PREVAILING WAGE
1	Water Resistant Roofing		
2	Pressure cleaning, vertical walls	SF	\$ 0.18
3	Pressure cleaning, horizontal surfaces	SF	\$ 0.38
4	Roof scanning to identify wet or substandard roof components to be removed	SF	\$ 0.01
5	Asphalt emulsion coating, waterproofing, brush applied, per coat	SF	\$ 0.10
6	Rubberized coating waterproofing, brush applied, per coat	SF	\$ 0.18
7	Vinyl/acrylic resin, dampproofing, brush applied per coat.	SF	\$ 0.16
8	Non-pigmented synthetic resin, waterproofing, one coat sprayed on	SF	\$ 0.16
9	Caulking: remove existing, clean and prime joint	LF	\$ 1.08
10	Caulking, epoxied urethane compound, 2 component, 1/4" x 1/4", in place	LF	\$ 0.98
11	Caulking, polyurethane, 1 component, 1/4" x 1/4", in place	LF	\$ 1.26
12	Caulking, polyurethane, 1 component, 1/2" x 1/2", in place	LF	\$ 1.23
13	Caulking, silicone rubber, 1 component, 1/4" x 1/4", in place	LF	\$ 1.04
14	Caulking, epoxied urethane compound, 2 component, 1/4" x 1/4", in place	LF	\$ 1.73
15	Caulking, silicone rubber, 1 component, 3/4" x 3/8", in place	LF	\$ 1.23
16	Backer rod, polyethylene, 3/8" diameter, installed in prepared opening	LF	\$ 0.24
17	Backer rod, polyethylene, 1/2" diameter, installed in prepared opening	LF	\$ 0.39
18	Backer rod, polyethylene, 3/4" diameter, installed in prepared opening	LF	\$ 0.41
19	Backer rod, polyethylene, 1" diameter, installed in prepared opening	LF	\$ 0.49
20	Building paper, asphalt felt sheathing paper, 1 ply, 15#, in place	SF	\$ 0.23
21	Building paper, asphalt felt sheathing paper, 1 ply, 40#, in place	SF	\$ 0.11
22	Building paper, red rosin paper, 5 square rolls, 4#, in place	SF	\$ 0.13
23	Vapor retarder adhered, 2 ply inorganic, glass Type 15, applied in Type IV (or appropriate type) asphalt, in place	SF	\$ 0.25
24	Vapor retarder, 2 ply organic, Type 15 pound, applied in Type IV asphalt (or appropriate type), in place	SF	\$ 0.24
25	Vapor retarder; 2-ply inorganic, glass, Type IV, applied in cold adhesive to 4' x 8' x 1/4" glass-mat embedded, water resistant gypsum core panel mechanically fastened	SF	\$ 0.60
26	Insulation		
27	Demolition of roof insulation, per inch of depth	SF	\$ 0.45
28	Demolition of lightweight cementitious fills, per inch of depth	SF	\$ 0.34
29	Roof deck insulation, Isocyanurate in 4' x 4' or 4' x 8' sheets with fiberglass facers, 1" thick, R-6.6, applied Type IV (or appropriate) asphalt	SF	\$ 0.48
30	Roof deck insulation, Isocyanurate in 4' x 4' or 4' x 8' sheets with fiberglass facers, 1 1/2" thick, R-10.0, applied Type IV (or appropriate) asphalt	SF	\$ 0.71
31	Roof deck insulation, Isocyanurate in 4' x 4' or 4' x 8' sheets, 1" thick, R-6.6, mechanically fastened	SF	\$ 0.38
32	Roof deck insulation, Isocyanurate in 4' x 4' or 4' x 8' sheets with fiberglass facers, 1 1/2" thick, R-10.0, mechanically fastened	SF	\$ 0.81
33	Roof deck insulation, fiberboard in 4' x 4' sheets, 1/2" thick, R-1.39, applied Type IV (or appropriate) asphalt	SF	\$ 1.03
34	Roof deck insulation, fiberboard in 4' x 8' sheets, 25/32" thick, R-2.4, installed hot/cold or mechanically attached coated six sides	SF	\$ 0.35
35	Roof deck insulation, fiberboard in 4' x 4', 1" thick, R-2.78, applied Type IV asphalt (or appropriate asphalt), coated six sides	SF	\$ 0.50
36	Roof deck insulation, fiberboard in 4' x 4' sheets, 1/2" thick, R-1.39, mechanically fastened, coated six sides	SF	\$ 0.55
37	Roof deck insulation, fiberboard in 4' x 4', 1" thick, R-2.78, mechanically fastened, coated six sides	SF	\$ 0.33
38	Roof deck insulation, lightweight cellular wire reinforced concrete fill, R-value depending on thickness, per inch of depth	SF	\$ 0.53

39	Roof deck insulation, vermiculite at 1/8:12, R-value depending on thickness, per inch of depth	SF	\$	1.35
40	Roof deck insulation, vermiculite at 1/4:12, R-value depending on thickness, per inch of depth	SF	\$	1.53
41	Roof deck insulation, gypsum panels, 3" thick	SF	\$	2.48
42	Roof deck insulation, Isocyanurate (black facer only), tapered, 1/8" per foot slope, Type IV asphalt, per inch of depth	SF	\$	0.66
43	Roof deck insulation, Isocyanurate (black facer only), tapered, 1/4" per foot slope, Type IV asphalt, per inch of depth	SF	\$	1.05
44	Cold insulation adhesive	SF	\$	0.98
45	CDX Gypsum, 1/4" x 4' x 8' - Mechanically attached	SF	\$	0.89
46	CDX Gypsum, 1/4" x 4' x 8' - Set into adhesive	SF	\$	1.44
47	CDX Gypsum, 1/2" x 4' x 8' - Mechanically attached	SF	\$	1.21
48	CDX Gypsum, 1/2" x 4' x 8' - Set into adhesive	SF	\$	1.78
49	CDX Gypsum with fiberglass, facer: 1/4" x 4' x 8' - Mechanically attached	SF	\$	0.46
50	CDX Gypsum with fiberglass, facer: 1/4" x 4' x 8' - Set into adhesive	SF	\$	0.73
51	CDX Gypsum with fiberglass facer: 1/2" x 4' x 8' - Mechanically attached	SF	\$	0.59
52	CDX Gypsum with fiberglass facer: 1/2" x 4' x 8' - Set into adhesive	SF	\$	0.88
53	Roof Tiles and Shingles			
54	Remove composition shingles and felts to decking (test for removal of asbestos prior to removal)	SF	\$	0.79
55	Remove clay, concrete, or slate roof tiles to decking	SF	\$	0.85
56	Remove wood shingles and felts to decking	SF	\$	0.30
57	Shingles, fiberglass, Class A, 25-year strip shingles, slopes 3:12 or greater	SF	\$	1.53
58	Shingles, fiberglass, Class A, 30-year, premium laminated multilayered shingles, slopes 3:12 or greater	SF	\$	2.30
59	Replace clay or concrete roof tiles	Each	\$	4.23
60	Self-adhering ice and water shield membrane for shingles, tiles, metal waterways, penetrations, valleys, ridges, edges, etc.	SF	\$	2.26
61	Roofing and Roof Restoration			
62	Remove built-up roof, multi-ply aggregate, non-asbestos, 1" thick or less	SF	\$	0.93
63	Remove single-ply roof: ballast, and membrane only	SF	\$	1.09
64	Remove single-ply roof, membrane partially or fully adhered	SF	\$	1.20
65	Remove single-ply roof, membrane mechanically attached	SF	\$	1.30
66	Remove copper sheet roofing	SF	\$	0.31
67	Base sheet, 3-ply fiberglass, Type IV (or appropriate type) asphalt (17 year roof)	SF	\$	1.79
68	Base sheet, 4-ply fiberglass, mechanically attached (17-year roof)	SF	\$	1.28
69	Fiberglass cap finishing membrane	SF	\$	0.43
70	Base sheet with 2 ply, fiberglass felts, Type IV asphalt (or appropriate type)	SF	\$	1.66
71	Base sheet with 3 ply, fiberglass felts, Type IV asphalt (or appropriate type)	SF	\$	2.13
72	Base sheet mechanically attached with 4 ply, Type VI fiberglass felts, Type IV (or appropriate type) asphalt	SF	\$	1.44
73	Nail base sheet, 3 ply Type VI fiberglass felts, fiberglass cap, Type IV (or appropriate type) asphalt.	SF	\$	1.49
74	Base sheet with 4 ply; 2 polyester and 2 fiberglass felts, Type IV (or appropriate type) asphalt (20 year roof)	SF	\$	1.70
75	Built-up roof, base sheet with 3 ply polyester roofing sheet, Type IV (or appropriate type) asphalt (20 year roof)	SF	\$	1.28
76	Built-up roof, base sheet with 3 ply Type GS fiberglass, cold process adhesive (20 year roof)	SF	\$	3.29
77	Built-up roof base sheet plus 4 ply Type G2 fiberglass, cold process adhesive (30 year roof)	SF	\$	2.23
78	Built-up roof, base sheet, 1 ply Type VI fiberglass, 1 ply modified bitumen sheet, fire rated, Type IV asphalt (15 year roof)	SF	\$	3.24
79	Built-up roof, base sheet, 2 ply polyester roofing sheet, 1 ply modified bitumen sheet, fire rated, Type IV asphalt (or appropriate type) (20 year roof)	SF	\$	1.85
80	Built-up roof, base sheet, G-2, 33 lb., mechanically attached	SF	\$	0.65
81	Built-up roof, base sheet, G-2, 33 lb., Type IV asphalt	SF	\$	0.74
82	Built-up roof, premium asphalt, added cost per ply per square foot	SF	\$	0.10
83	Built-up roof, modified bitumen adhesive, added cost per ply per square foot	SF	\$	0.25
84	Built-up roof, surface with cold asphaltic surfacing adhesive and gravel	SF	\$	2.76
85	Built-up roof, surface with emulsion and granules	SF	\$	0.75
86	Built-up roof, surface with emulsion and aluminum coating	SF	\$	1.01
87	Built-up roof, surface with emulsion and white elastomeric coating	SF	\$	1.06

88	Built-up roof, surface with aluminum coating or paint	SF	\$	1.79
89	Built-up roofing, surface with high solids white elastomeric coating	SF	\$	2.48
90	Built-up roofing repairs; fibered asphalt mastic, brush grade, with fiberglass mesh.	SF	\$	2.54
91	Built-up roofing repairs; pitch-based mastic, with fiberglass mesh	SF	\$	2.20
92	Built-up roofing repairs; elastomeric mastic, with fiberglass mesh	SF	\$	3.48
93	Built-up roofing restoration, coal tar pitch roofs	SF	\$	2.21
94	Built-up roofing rrestoration, odorless, coal tar pitch or asphalt roofs	SF	\$	1.94
95	Single-ply roof, CSPE, 45 mils reinforced, asbestos free, mechanically fastened	SF	\$	1.85
96	Single-ply roof, CSPE, 60 mils reinforced, asbestos free, mechanically fastened	SF	\$	1.98
97	Single-ply roofing repairs (CSPE, PVC, and EPDM)			
98	CSPE	SF	\$	1.73
99	PVC	SF	\$	2.16
100	EPDM	SF	\$	1.90
101	Flashing membrane, 2 ply, Type IV or Type VI fiberglass	SF	\$	1.84
102	Flashing membrane, 1 ply polyester and 1 ply modified bitumen	SF	\$	2.95
103	Flashing membrane, 2 ply, polyester	SF	\$	2.05
104	Flashing membrane, CSPE	SF	\$	5.46
105	Flashing membrane, CSPE with aluminum coating	SF	\$	8.63
106	Polyurethane foam roofing	SF	\$	1.38
107	Additional Polyurethane foam coating	SF	\$	2.24
108	Single-ply roof, EDPM, 45 mils reinforced, mechanically fastened	SF	\$	1.38
109	Single-ply roof, EDPM, 60 mils fully adhered	SF	\$	3.01
110	Built-up roof, base sheet with 3 ply trilaminate ply, cold process adhesive (25 year roof)	SF	\$	3.29
111	Built-up roof, surface with premium asphalt, and gravel.	SF	\$	0.56
112	Built-up roof, surface with Fire Retardent Aluminum coating or paint, single coat	SF	\$	0.80
113	Modified Bitumen roof, base sheet, cap sheet, cold Modified Bitumen Adhesive	SF	\$	4.84
114	Built-up roof, 3 ply fiberglass felts, Type IV asphalt	SF	\$	2.75
115	Single ply Roof, 45 mils fully adhered with bonding adhesive	SF	\$	3.66
116	Single ply roof, TPA Fleece Back, 45 mils fully adhered with hot asphalt	SF	\$	3.66
117	Single ply roof, 45 mils mechanically attached	SF	\$	1.64
118	Base sheet mechanically attached with 3 ply fiberglass felts, Type 1 -Coal Tar Pitch	SF	\$	1.64
119	Base sheet mechanically attached with 3 ply Organic felts, Type 1 -Coal Tar Pitch	SF	\$	1.69
120	Built-up roof, 4 ply Fiberglass felts, Type 1 Coal Tar Pitch	SF	\$	1.74
121	Build-up roof, 4 ply Organic felts, Type 1 Coal Tar Pitch	SF	\$	1.74
122	Built-up roof, surface with hot Coal Tar Pitch and gravel	SF	\$	1.21
123	Single ply repairs using 2 coat polyurethane, elastomeric coating system	SF	\$	4.20
124	Single ply repairs at laps or defects using 2 coats elastomeric coating system with reinforcement	SF	\$	4.50
125	Single ply roof, TPA fleece back, 60 mils fully adhered with hot asphalt	SF	\$	5.85
126	Single ply roof 60 mils fully adhered with bonding adhesive	SF	\$	5.85
127	Built-up roof, 1 ply Trilaminate, 1 ply Modified Bitumen Sheet, fire rated	SF	\$	2.75
128	Masonry			
129	Brick, remove and reset, 1 to 50 sq ft	SF	\$	20.86
130	Brick, remove and reset, over 50 sq ft	SF	\$	16.86
131	Block, remove and reset	SF	\$	17.58
132	Coping stones, remove and reset	Each	\$	41.85
133	Brick, block or coping removal	Each	\$	13.59
134	Brick, block and brick exterior wall maintenance, repair and application of protective coatings.			
135	Selective Demolition of Concrete Block Masonry Units (CMU) with perimeter saw cutting-swingstage 4", 6" and 8" block (high-rise)	Each	\$	8.33
136	Selective Demolition of Brick Masonry Units withperimeter saw cutting -swingstage one, two, and three wythe (high-rise)	SF	\$	29.84
137	Selective Demolition of Brick Masonry Units with perimeter saw cutting -scaffolding one, two and three wythe (low-rise)	SF	\$	21.18
138	Selective Demolition of Mortar Joint with Perimeter Sawcutting - Swingstage (high-rise)			
139	Removal of existing mortar (1/2" wide by 3/4" depth)	SF	\$	2.23
140	Removal of existing mortar (3/4" wide by 3/4" depth)	SF	\$	2.41
141	Removal of existing mortar (1/2" wide by 1 1/2" depth)	SF	\$	2.65
142	Removal of existing mortar (3/4" wide by 1 1/2" depth)	SF	\$	3.38
143	Selective Demolition of Mortar Joint with Perimeter Sawcutting - Scaffolding (low-rise)			

144	Removal of existing mortar (1/2" wide by 3/4" depth)	SF	\$	4.41
145	Removal of existing mortar (3/4" wide by 3/4" depth)	SF	\$	4.85
146	Removal of existing mortar (1/2" wide by 1 1/2" depth)	SF	\$	6.99
147	Removal of existing mortar (3/4" wide by 1 1/2" depth)	SF	\$	8.11
148	New Pointing Work - Swingstage (high-rise)			
149	Furnish and install new mortar (1/2" wide by 3/4" depth)	SF	\$	2.93
150	Furnish and install new mortar (3/4" wide by 3/4" depth)	SF	\$	3.04
151	Furnish and install new mortar (1/2" wide by 1 1/2" depth)	SF	\$	2.59
152	Furnish and install new mortar (3/4" wide by 1 1/2" depth)	SF	\$	3.75
153	New Pointing Work - Scaffolding (low-rise)			
154	Furnish and install new mortar (1/2" wide by 3/4" depth)	SF	\$	7.06
155	Furnish and install new mortar (3/4" wide by 3/4" depth)	SF	\$	7.95
156	Furnish and install new mortar (1/2" wide by 1 1/2" depth)	SF	\$	8.24
157	Furnish and install new mortar (3/4" wide by 1 1/2" depth)	SF	\$	9.44
158	Removal of Roof Parapets - Swingstage (high-rise)			
159	Removal of 3 wythe brick parapet wall (24" high)	SF	\$	44.51
160	Removal of 3 wythe brick parapet wall (42" high)	SF	\$	78.33
161	Removal of 2 wythe brick parapet wall (24" high)	SF	\$	37.29
162	Removal of 3 wythe brick parapet wall (42" high)	SF	\$	68.56
163	Removal of Roof Parapets - Scaffolding (low-rise)			
164	Removal of 3 wythe brick parapet wall (24" high)	SF	\$	85.94
165	Removal of 3 wythe brick parapet wall (42" high)	SF	\$	154.66
166	Removal of 2 wythe brick parapet wall (24" high)	SF	\$	72.18
167	Removal of 3 wythe brick parapet wall (42" high)	SF	\$	144.35
168	Reconstruction of Brick Masonry Roof Parapets - Swingstage (high-rise)			
169	New brick masonry parapet w/stone coping and flashings (3 wythe -24" high)	SF	\$	131.63
170	New brick masonry parapet w/stone coping and flashings (3 wythe -42" high)	SF	\$	166.25
171	New brick masonry parapet w/stone coping and flashings (2 wythe -24" high)	SF	\$	97.71
172	New brick masonry parapet w/stone coping and flashings (2 wythe -42" high)	SF	\$	121.64
173	Reconstruction of Brick Masonry Roof Parapets - Scaffolding (low-rise)			
174	New brick masonry parapet w/stone coping and flashings (3 wythe -24" high)	SF	\$	240.59
175	b) New brick masonry parapet w/stone coping and flashings (3 wythe -42" high)	SF	\$	326.53
176	c) New brick masonry parapet w/stone coping and flashings (2 wythe -24" high)	SF	\$	171.85
177	d) New brick masonry parapet w/stone coping and flashings (2 wythe -42" high)	SF	\$	251.51
178	New Throughwall Flashings - Swingstage (high-rise)			
179	Removal of 4 courses 1 wythe brick wall w/Temporary Shoring	SF	\$	46.33
180	Removal and replacement of steel lintel	SF	\$	23.38
181	Furnish and install new flashings (Bituthane)	SF	\$	7.30
182	Furnish and install new flashings (Lead coated copper)	SF	\$	13.15
183	Parging and waterproofing of back-up wall	SF	\$	10.23
184	New Throughwall Flashings - Scaffolding (low-rise)			
185	Removal of 4 courses 1 wythe brick wall w/Temporary Shoring	SF	\$	37.31
186	Removal and replacement of steel lintel	SF	\$	43.81
187	Furnish and install new flashings (Bituthane)	SF	\$	11.70
188	Furnish and install new flashings (Lead coated copper)	SF	\$	23.36
189	Parging and waterproofing of back-up wall	SF	\$	16.36
190	Brick Masonry/Stone Stabilization			
191	Drilling and installation of new friction pins with mortar cap	SF	\$	12.03
192	Drilling and installation of new friction pins for lime stone with mortar cap	SF	\$	12.03
193	Limestone Removal and Replacement.			
194	Removal of existing deteriorated architectural limestone	SF	\$	30.08
195	Furnish and install new limestone replacement.	SF	\$	86.74
196	Replacement of stone with lightweight polymer resin to match	SF	\$	17.45
197	Minor patching of existing stone to match	SF	\$	36.71
198	Terra Cotta Removal and Replacement.			
199	Removal of existing deteriorated architectural Terra Cotta	SF	\$	60.16
200	Furnish and install new Terra Cotta replacement.	SF	\$	192.48
201	Replacement of stone with lightweight polymer resin to match	SF	\$	69.76
202	Minor patching of existing stone to match	SF	\$	111.23
203	Roof Coping Stones.			
204	Removal of existing roof coping stones (16 inches)	SF	\$	28.36
205	Removal and parging of existing substrate	SF	\$	4.68
206	Furnish and install new lead coated copper flashings	SF	\$	19.24
207	Drilling and epoxy grouting stainless steel pins	SF	\$	5.79

208	Reinstallation of existing stones with cleaning	SF	\$	17.40
209	Furnish and install new coping stones	SF	\$	39.58
210	Furnish and install new sealants between coping stones.	SF	\$	6.09
211	Cleaning and coating of existing stones.	SF	\$	4.51
212	CMU Backup Wall Repair and Waterproofing.			
213	Replacement of Deteriorated CMU Back-up	SF	\$	13.64
214	Parging of CMU back-up wall	SF	\$	3.43
215	Waterproofing of back-up wall	SF	\$	1.95
216	Brick Masonry Piers			
217	Isolated repair of existing masonry piers (removal and replacement)	SF	\$	27.06
218	Reconstruction of isolated areas of pier	SF	\$	24.40
219	Construction of new masonry piers.	SF	\$	19.54
220	Crack Repair			
221	Drill and install new stainless steel pins.	Each	\$	7.50
222	Grouting of open cracks	SF	\$	5.16
223	Replacement of cracked bricks	SF	\$	10.31
224	Concrete Removal			
225	Perimeter sawcutting	SF	\$	1.08
226	Removal of existing concrete (2" depth).	SF	\$	5.05
227	Removal of existing concrete (3.5" depth).	SF	\$	6.50
228	New Concrete and Coating			
229	Placement of new high strength patching mortar (2" depth)	SF	\$	18.04
230	Placement of new high strength patching mortar (3.5" depth).	SF	\$	20.21
231	Cleaning and coating of concrete surface.	SF	\$	5.78
232	Sidewalk Bridging.	SF	\$	22.54
233	Temporary Roof Protection	SF	\$	1.84
234	Metal Work			
235	Remove standard metal decking	SF	\$	2.14
236	Install metal decking; 1-1/2" deep, 20 gauge, standard profile	SF	\$	4.41
237	Install steel plate, two sizes	SF	\$	3.38
238	10 Gauge, standard application	SF	\$	3.38
239	Extra heavy-duty 1/4th inch	SF	\$	1.83
240	Remove metal counterflashing	LF	\$	1.99
241	Counterflashing, galvanized, 24 gauge, 6" width	LF	\$	3.88
242	Counterflashing, copper, 16 oz., 6" width	LF	\$	2.61
243	Remove metal edge, gravel stop, eave strip, or coping	LF	\$	1.65
244	Metal edge raised, galvanized steel fascia/eave drip; 6 "face, hemmed, continuous cleat, 3" deck flange	LF	\$	5.53
245	Gravel stop, galvanized steel, 24 gauge, 6" face	LF	\$	6.28
246	Remove metal gutter	LF	\$	2.94
247	Gutter, galvanized steel, ASTM 526, with 12.5oz./squarefoot galvanized coating, 24 gauge, 5" box or ogee style, joints and end caps shall be soldered	LF	\$	16.94
248	Gutter, aluminum, .050" thick 5" box or ogee, painted, Kynar finish	LF	\$	22.39
249	Gutter, copper, 16 oz, half round, 5" wide	LF	\$	9.18
250	Gutter, copper, 16 oz, half round, 6" wide	LF	\$	10.78
251	Remove metal downspouts	LF	\$	2.50
252	Downspouts, aluminum, .024" thick, 3" x 4", painted, installed	LF	\$	16.56
253	Downspouts, GI, 24 gauge 3" x 4" installed	LF	\$	21.49
254	Downspouts, GI, 24 gauge, 4" round	LF	\$	13.90
255	Downspouts, copper, 16 oz., 6" round	LF	\$	12.51
256	Downspouts, strainer	Each	\$	4.23
257	Metal flashing, apron flashing, 9" wide	LF	\$	3.79
258	Metal flashing, step flashing	Each	\$	7.01
259	Metal splash pan, 16 oz.	Each	\$	12.44
260	Metal trim, aluminum, .032" thick, painted	LF	\$	2.61
261	Metal storm collar	Each	\$	22.31
262	Metal coping, galvanized steel, 24 gauge, standing seam	SF	\$	13.38
263	Metal coping, galvanized steel, 24 gauge, with butt plate	SF	\$	13.38
264	Resolder joints in sheet metal	LF	\$	1.04
265	Metal edge, aluminum, 0.50 thick 6" face painted	SF	\$	14.05
266	Metal edge, aluminum, free floating fascia system	SF	\$	19.49
267	Parapet wall metal	SF	\$	11.99
268	Metal edge, anodized finished aluminum, free floating fascia system 8 inches	SF	\$	34.93

269	Metal edge, high performance fluorocarbon finished aluminum, free floating fascia system 8 inches	SF	\$	15.81
270	Metal edge, anodized finished aluminum, free floating fascia system 6 inches	SF	\$	14.05
271	Metal edge, high performance fluorocarbon finished aluminum, free floating fascia system 6 inches	SF	\$	12.30
272	New Aluminum Metal Cladding			
273	Furnish and install new uninsulated aluminum wall cladding	SF	\$	7.31
274	Furnish and install new insulated aluminum wall cladding	SF	\$	12.85
275	Furnish and install new insulated aluminum wall cladding panels (Architecture)	SF	\$	18.29
276	Cladding of roof parapet walls with copings.	SF	\$	21.31
277	New Exterior Insulation and Finish System (EIFS)			
278	New Exterior Insulation and Finish System (EIFS)	SF	\$	25.43
279	New Exterior Insulation Finish System (EIFS) w/o insulation	SF	\$	15.69
280	New Metal Copings.	SF	\$	11.15
281	Surface Preparation			
282	Cleaning of existing steel and surface.	SF	\$	8.46
283	Coating of existing reinforcement	SF	\$	0.94
284	Exterior rated gypsum board sheathing and substrate	SF	\$	2.61
285	EIFS Repair	SF	\$	24.23
286	Woodwork			
287	Demolition of plywood or standard 1" x 6" decking	SF	\$	1.04
288	Demolition of standard 2" x 6" tongue and groove decking	SF	\$	0.78
289	Plywood decking, CDX, 1/2" thick (or 15/32" optional)	SF	\$	2.36
290	Plywood decking, CDX, 5/8" thick	SF	\$	1.24
291	Plywood decking, CDX, 3/4" thick	SF	\$	2.21
292	Standard 1" x 6" decking, tongue and groove	SF	\$	1.38
293	Standard 2" x 6" tongue and groove decking	SF	\$	2.03
294	Cants, wood fiber, trapezoidal, 1 1/2" x 5 5/8"	LF	\$	0.64
295	Cants, SBX treated wood, 4" x 4" diagonal	LF	\$	2.30
296	Nailer, SBX treated wood, 1" x 4"	LF	\$	0.98
297	Nailer, SBX treated wood, 2" x 4"	LF	\$	1.19
298	Nailer, SBX treated wood			
299	2" x 6"	LF	\$	2.13
300	2" x 8" optional	LF	\$	2.26
301	Curbing, SBX treated wood, 2" x 12"	LF	\$	2.63
302	Joist, fir			
303	2" x 6"	LF	\$	2.74
304	2" x 8" optional	LF	\$	3.13
305	Joist, fir			
306	2" x 10"	LF	\$	3.15
307	2" x 12" optional	LF	\$	3.44
308	Standing Seam Metal Roof System (SSMRS) Price Each			
309	Specification Using Line Items			
310	Pre-Engineered SSMRS, products (20-year roof)	SF	\$	5.76
311	Subpurlins	LF	\$	6.00
312	Roof panel installation	SF	\$	5.10
313	Field forming of panels	SF	\$	2.25
314	Concealed anchor clips	Each	\$	1.78
315	Vapor retarder installation	SF	\$	0.81
316	Insulation installation	SF	\$	2.61
317	Gutters (SSMRS only)	LF	\$	19.35
318	Gutter liners	SF	\$	4.50
319	Flashing	LF	\$	9.38
320	Expansion joints	LF	\$	22.73
321	Finishing touches (no additional cost in contract)			
322	Snow retention assemblies	LF	\$	1.19
323	Self-adhering ice and water shield membrane for shingles, tiles, metal waterways, penetrations, valleys, ridges, edges, etc.	LF	\$	2.46
324	Roof Specialties and Accessories			
325	Remove roof hatch	Each	\$	92.81
326	Roof hatch, aluminum, 2'6" x 3'0"	Each	\$	332.40
327	Roof hatch, aluminum, larger sizes	SF	\$	28.65
328	Remove existing roof drain, except plumbing	Each	\$	290.59
329	Install new roof 4" drain, except plumbing	Each	\$	1,288.76

330	Install new roof 6" drain, except plumbing	Each	\$	1,288.76
331	Reflash existing roof drain	Each	\$	178.73
332	Plumbing stack, 4# lead flashing	Each	\$	78.58
333	Scupper, sheet steel, 24 gauge ASTM A 526, match existing configuration	Each	\$	140.79
334	Remove existing walkway, built-up roofs	SF	\$	0.29
335	Walkway, built-up roofs, desert tan fiberglass	LF	\$	0.43
336	Walkway, built up roofs, non skid	LF	\$	2.34
337	Walkway, single ply roof			
338	30" wide roll goods, tape attached	LF	\$	1.71
339	30" wide roll, hot asphalt attached	LF	\$	1.99
340	30" wide roll, adhesive attached	LF	\$	2.01
341	Roof ventilators	Each	\$	91.70
342	Roof ladder, steel, bolted to concrete, up to 20 feet, without cage	LF	\$	56.43
343	Roof ladder, steel, bolted to concrete, 20 feet and up, with cage; with intermediate landings as required by Code	LF	\$	68.96
344	Roof ladder, security ladder guard	Each	\$	73.64
345	Termination bar, aluminum, 1/4" x 1"	LF	\$	2.91
346	Pitch pocket, 24 gauge, GI, 6" x 6", with storm collar hemmed to outside, soldered corners and seams	Each	\$	122.09
347	Pitch pocket, 24 gauge, GI, 8" x 8", with storm collar, hemmed to outside, soldered corners and seams	Each	\$	133.55
348	Pitch pocket, resurface top only			
349	8 "x 8"	Each	\$	4.45
350	12" x 12"	Each	\$	5.39
351	Expansion joint, butyl or neoprene bellows, galvanized flange	LF	\$	20.00
352	Expansion joint, CSPE reinforced	LF	\$	15.44
353	Repair kit for dry repairs	Each	\$	23.44
354	Repair kit for wet repairs	Each	\$	23.44
355	Skylights (price each size and lens combination)			
356	Standard 3' x 5', 4' x 4', 4' x 8' with single clear lenses	SF	\$	14.83
357	Standard 3' x 5', 4' x 4', 4' x 8' with clear double lenses	SF	\$	26.21
358	Skylight lense replacement only, clear	SF	\$	3.51
359	Skylight lense replacement only, double clear	SF	\$	3.51
360	Security/fall bars for skylights			
361	3' x 5'	Each	\$	79.69
362	4' x 4'	Each	\$	79.69
363	4' x 8'	Each	\$	178.13
364	Special sizes	SF	\$	13.23
365	Roof Services			
366	Asbestos core testing and patch of existing roof surface	Each	\$	57.79
367	Core analysis, 14" x 14" and patch of existing roof surface	Each	\$	251.96
368	Non destructive roof scan, up to 50,000 sq ft, full service each	Each	\$	2,321.58
369	Additional foot over 50,000 sq ft	SF	\$	0.03
370	Non destructive roof scan, up to 50,000 sq ft, limited service	Each	\$	1,686.38
371	Additional foot over 50,000 sq ft	SF	\$	0.03
372	Roof inspection services (visual inspection of roofing service/membrane, flashings, counterflashings, copings, parapets, trims, hatches, penetrations, curbs, roof-mounted equipment, etc. with a written report of findings and recommendations	Day	\$	804.03
373	Field/shop drawings, up to 10,000 sq ft	SF	\$	0.03
374	Field/shop drawings, 10,000-50,000 sq ft	SF	\$	0.03
375	Field/shop drawings, over 50,000 sq ft	SF	\$	0.03
376	Prime contractor's warranty, restoration, less than 10,000 per sq ft, minimum charge	Per Project	\$	500.00
377	Prime contractor's warranty, restoration, over 10,000 sq ft, minimum charge	SF	\$	0.05
378	Prime contractor's warranty, re-roof, total system, 10 year, less than 10,000 sq ft, minimum charge (Standard)	Per Project	\$	1,000.00
379	Prime contractor's warranty, re-roof, total system, 10 year, less than 10,000 sq ft, minimum charge (includes 2, 5, 7, 10, 15 year inspections)	Per Project	\$	1,500.00
380	10 year Restoration Warranty Under 10,000 Square Feet, Inspections in Years 2 & 5	EA	\$	2,000.00
381	10 year Restoration Warranty Over 10,000 Square Feet, Inspections in Years 2 & 5	EA	\$	0.20
382	Prime contractor's warranty, re-roof, total system, 10 year, more than 10,000 sq ft, minimum charge (Standard)	SF	\$	0.15
383	Prime contractor's warranty, re-roof, total system, 10 year, more than 10,000 sq ft, minimum charge (includes 2, 5, 7, 10, 15 year inspections)	SF	\$	0.15

384	Per diem rate per worker per 24 hour period of time	Per Day	\$	56.95
385	Prime contractors per diem/costs for asbestos abatement planning	Day	\$	28.99
386	Asbestos abatement activities, BUR removal and disposal of waste	SF	\$	1.64
387	Project site is located 65 or more miles from the contractor's/subcontractor's yard/home location	SF	\$	0.83
388	Asbestos site monitoring	Day	\$	352.26
389	Annual or semi-annual roof housekeeping-per location			
390	Cost once a year per location if less than 20,000 sq. ft.	SF	\$	0.08
391	Cost per Sq.ft. per year per location if greater than 20,000 sq.ft.	SF	\$	0.08
392	Cost semi-annual per location if less than 20,000sq. ft	SF	\$	0.15
393	Cost per Sq.ft. semi annual per location if greater than 20,000 sq.ft.	SF	\$	0.15
394	Roof leak investigation	Day	\$	422.63
395	Minor roof repair calls	Day	\$	886.29
396	Difficult access or fall restriction; surcharge	Each		15.00%
397	Excessive hauling	Each	\$	91.33
398	Work in secured areas or compounds; surcharge	Each		15.00%
399	Additional and occasional supplies, materials, equipment and services			
400	Additional and occasional services Roofing supplies Discount off Retail Price List	% of Discount		13.40%
401	HVAC: Alternative Methods of Costing -percent of overhead/markup and profit added to cost	% of O/P		20.00%
402	HVAC: Discounts Offered Off Alternative CostingMethods (cost plus profit and overhead) Less Rate of Discount	% of discount		6.00%
403	HVAC: Multiplier/factor to be applied to the R.S. Means costs.	% to be applied		92%
404	Cold and bad weather storage - identify extra cost, if any	Day	\$	0.01
405	Deducts and add-ons for in lieu products			
406	Polyurethane foam roofing, first inch (Deduct Line 106)	SF	\$	(0.13)
407	Additional polyurethane foam, per inch (Deduct Line 107)	SF	\$	(0.31)
408	Acrylic/elastomeric, UL listed, Class A, 15 DFT	SF	\$	2.04
409	Cementitious rock coating (add)	SF	\$	2.80
410	Add acrylic plus rock (add)	SF	\$	2.66
411	Shingles, fiberglass, Class A, 25-year strip shingles (add)	SF	\$	(0.08)
412	Install one layer 15lb felt (add)	SF	\$	0.35
413	Single ply repairs using 2 coat polyurethane, elastomeric coating system (Deduct Line 123)	SF	\$	(0.13)
414	Single ply repairs at laps or defects using 2 coats elastomeric coating system with reinforcement (Deduct Line 124)	SF	\$	(0.19)
415	Value Add			
416	Route existing cracks in concrete or masonry	LF	\$	0.85
417	Prepare concrete by Shot blasting	SF	\$	0.25
418	Vertical application of water dispersed VOC compliant silane sealer	SF	\$	0.50
419	Horizontal application of water dispersed VOC compliant silane sealer	SF	\$	0.60
420	Roof Cleaning System	SF	\$	0.44
421	Roof deck insulation, fiberboard in 4' x 4' sheets, 1/2" thick, R-1.39, applied Type IV (or appropriate) asphalt			
422	Cold applications: adhere insulation to primed deck or sub-insulation with a cold adhesive at a rate of 1.5 gallons per 100 square feet.	SF	\$	1.29
423	Installation of new Polyisocyanurate insulation			
424	Mechanically attached	BF	\$	1.53
425	Hot adhered	BF	\$	1.34
426	Cold adhered	BF	\$	2.04
427	Ridge Vents	LF	\$	6.48
428	Synthetic Underlayment	SF	\$	0.53
429	Shingles, Fiberglass, Class A 40-Year Premium Laminated Multilayered Shingles, Slope 3:12 or Greater	SF	\$	2.43
430	Shingles, Fiberglass, Class A 50-Year Premium Laminated Multilayered Shingles, Slope 3:12 or Greater	SF	\$	2.88
431	Install layer of 30 lb. Felt	SF	\$	0.41
432	TPO 60 mil system installation			
433	Bonding adhesive	SF	\$	4.69
434	Mechanically attached	SF	\$	3.94
435	Wet Vacuum loose aggregate from roof membrane	SF	\$	0.60
436	Sweep loose aggregate, debris from Substrate	SF	\$	0.46
437	Prime Substrate	SF	\$	0.31
438	Flashing membrane, 1 ply fiberglass and 1 ply modified bitumen fire rated	SF	\$	4.05

439	Disaster Response Repairs	%		20.00%
440	Built Up Roof Surface w/ Cold Process White Highly Reflective Adhesive and White Marble Gravel	SF	\$	6.30
441	Two component, high performance, one part moisture triggered, polyurethane coating system with reinforcement	SF	\$	12.88
442	Two part, bio-based, polyurethane roof coating system	SF	\$	10.16
443	Two part, bio-based, polyurethane roof coating system, non-reinforced	SF	\$	8.90
444	Two-part UV Resistant, Polyurethane Modified Methyl Methacrylate Roof Coating System	SF	\$	11.56
445	Metal Restoration with Acrylic Coating	SF	\$	7.41
446	Metal Restoration with Aluminum Coating	SF	\$	4.03
447	Brick, Remove and install new standard brick	EA	\$	32.68
448	Structural Analysis/engineering services	Per Hour	\$	105.00
449	Multiplication factor for roofs Greater Than 10,000 And Under 20,000 Square Feet	%		15%
450	Multiplication factor for roofs Greater Than 5,000 And Under 7,000 Square Feet	%		20%
451	Multiplication factor for roofs Greater Than 3,000 And Under 5,000 Square Feet	%		25%
452	Multiplier for roofs less than 1,000 square feet	%		30%
453	Emergency Leak Repair per 1/2 Man Day	EA	\$	1,032.34
454	10 year Restoration Warranty Under 10,000 Square Feet, Standard	EA	\$	800.00
455	10 year Restoration Warranty Over 10,000 Square Feet, Standard	EA	\$	0.08
456	12 Year Restoration Warranty Under 10,000 Square Feet, Standard	EA	\$	1,000.00
457	12 Year Restoration Warranty Over 10,000 Square Feet, Standard	SF	\$	0.10
458	12 Year Restoration Warranty Under 10,000 Square Feet, Inspections In Years 2, 5 & 10	EA	\$	2,400.00
459	12 Year Restoration Warranty Over 10,000 Square Feet Inspections In Years 2, 5 & 10	SF	\$	0.24
460	15 year Restoration Warranty Under 10,000 Square Feet, Inspections in Years 2, 5, 10 & 15	EA	\$	3,000.00
461	15 year Restoration Warranty Over 10,000 Square Feet, Inspections in Years 2, 5, 10 & 15	SF	\$	0.30
462	Warranty 15 year option roofs under 10,000 sq ft minimum charge (Standard)	EA	\$	1,200.00
463	Warranty 15 year option roofs under 10,000 Square Feet Inspections In Years 2, 5 & 10	EA	\$	1,500.00
464	Warranty 15 year option roofs over 10,000 sq ft minimum charge (Standard)	SF	\$	0.12
465	Warranty 15 year option roofs over 10,000 sq ft with inspections year 2, 5 & 10	SF	\$	0.15
466	20 Restoration Warranty Under 10,000 Square Feet Inspections In Years 2, 5, 10 & 15	EA	\$	4,000.00
467	20 Restoration Warranty Over 10,000 Square Feet Inspections In Years 2, 5, 10 & 15	SF	\$	0.40
468	20 Year Replacement Warranty Under 10,000 Square Feet Inspections In Years 2, 5, 10 & 15	EA	\$	2,000.00
469	20 Year Replacement Warranty Over 10,000 Square Feet Inspections In Years 2, 5, 10 & 15	SF	\$	0.20
470	20 year Replacement Warranty Under 10,000 Square Feet, Inspections in years 2, 5, 10, and 15, no maintenance	EA	\$	1,600.00
471	20 year Replacement Warranty Over 10,000 Square Feet, Inspections in years 2, 5, 10, and 15, no maintenance	SF	\$	0.16
472	30 year Replacement Warranty Under 10,000 Square Feet, Inspections in Years 2, 5, 10, 15, 20, 25 & 30	EA	\$	6,000.00
473	30 Restoration Warranty Under 10,000 Square Feet Inspections In Years 2, 5, 10, 15, 20 & 25	EA	\$	6,000.00
474	30 year Replacement Warranty Over 10,000 Square Feet, Inspections in Years 2, 5, 10, 15, 20, 25 & 30	SF	\$	0.60
475	30 Restoration Warranty Over 10,000 Square Feet Inspections In Years 2, 5, 10, 15, 20 & 25	SF	\$	0.60
476	Warranty Extension 5 yr 5,000 sf or less	EA	\$	3,499.99
477	Warranty Renewal 5 yr 5,000 sf or less	EA	\$	3,949.99
478	Warranty Extension 5 yr 5,001 sf -19,999 sf	EA	\$	4,999.99
479	Warranty Renewal 5 yr 5,001 sf -19,999 sf	EA	\$	5,699.99
480	Warranty Extension 5 yr 20,000 sf-49,999 sf	SF	\$	0.24
481	Warranty Renewal 5 yr 20,000 sf-49,999 sf	SF	\$	0.29
482	Warranty Extension 5 yr 50,000 sf and greater	SF	\$	0.24
483	Warranty Renewal 5 yr 50,000 sf and greater	SF	\$	0.24
484	Warranty Extension 5 yr 100,000 sf and greater	SF	\$	0.14
485	Warranty Renewal 5 yr 100,000 sf and greater	SF	\$	0.19

486	Roof Coating - high solids, waterbased, heavy bodied elastomeric coating formulated with an acrylic latex polymer	SF	\$	4.84
487	Roof Coating - high solids, waterbased, heavy bodied elastomeric coating formulated with an acrylic latex polymer w/polyester reinforcing	SF	\$	5.39
488	AIR BARRIER LINE ITEMS			
489	Foam Roof/Wall Intersection - Under 20'	LF	\$	14.66
490	Foam Roof/Wall Intersection - Over 20'	LF	\$	17.33
491	Seal roof top exhaust fan curb mountings	Each	\$	97.75
492	Adding foam board as a filler in large openings, ie: above soffits	LF	\$	30.55
493	Interior miscellaneous foam application - Under 20'	LF	\$	12.23
494	Weatherstrip and install sweep - single commercial door	1 Set	\$	343.68
495	Weatherstrip and install sweep - double commercial door	1 Set	\$	687.35
496	Seal Mechanical Rooms (With wall / roof pipe projections)	1	\$	636.43
497	Seal individual plumbing, pipe or duct	EA	\$	63.64
498	Seal Windows (exterior only, sub-k must provide estimate)	LF	\$	15.28
499	Weatherstrip operable wood or aluminum windows with replacement finseal pile or foam tape or vinyl "V" strips	LF	\$	5.41
500	Weatherstrip steel frame and sash windows with in-situ silicone gasket. 2 trips required	LF	\$	12.34
501	Interior caulking of window and door frames with clear paintable caulk	LF	\$	2.80
502	Miscellaneous Interior caulking with clear paintable caulk	LF	\$	2.80
503	Weatherstrip Overhead Garage Doors (12' x12') 48' LF w/rubber fins on bottom. Install face mounted leaf seal product to the bottom face of the door as the thresholds on doors (concrete)	Unit	\$	1,221.94
504	Blower Door Testing	Day	\$	10,182.81
505	Thermography inspection performed during final test and thermography inspection. (Based on 60,000 sq ft. elementary school)	Day	\$	5,091.41
506	Blower Door Directed Air Sealing - Supervision Only	Day	\$	3,818.56
507	Building Envelope Assessment	Day	\$	7,637.11
508	Mileage rate	Per Mile	\$	0.49
509	Performance and payment bond - bonding rate (percent of project)	%		0.40%
510	Bonding capacity - total amount of capacity available	Dollar Amount	\$	200,000,000.00
511	Multiplier/factor to be applied to the R.S. Means costs for the National Cooperative Contractor Network	% To Be Applied		92%
512	Multiplier - roof height is greater than 2 stories; equal to or less than 5 stories	Multiplier		1.21
513	Multiplier - roof height is greater than 5 stories; less equal to or less than 10 stories	Multiplier		1.52
514	Multiplier - roof height is greater than 10 stories	Multiplier		2.17
515	Multiplier - roof has large amount of penetrations and roof top obstructions	Multiplier		1.73
516	Multiplier - roof is considered non-standard architecture or has > 4:12 slope	Multiplier		2.17
517	Multiplier - roof is less than 3,000 Square Feet But Greater Than 1,000 Square feet	Multiplier		3.03
518	Multiplier - roof size is greater than 7,000 Square Feet But Less Than 10,000 Square Feet	Multiplier		1.73
519	Multiplier- City, town or county permit fee for construction project local to members location.	Multiplier		1.02
520	Multiplier- Working in Metro or Urban areas	Multiplier		1.20
521	Construction Distributor Material For Repair Work	Multiplier		1.15
522	Building/Construction Superintendent	Per Hour	\$	187.19
523	Building/Construction Manager	Per Hour	\$	218.44
524	DUE TO LEGISLATION CHANGES IN CALIFORNIA THE RATES ARE AS FOLLOWS FOR THE FOLLOWING LINES:			
525	Roof inspection services (visual inspection of roofing service/membrane, flashings, counterflashings, copings, parapets, trims, hatches, penetrations, curbs, roof-mounted equipment, etc. with a written report of findings and recommendations)	Day	\$	893.36
526	Roof leak investigation	Day	\$	468.75
527	Minor roof repair calls	Day	\$	984.76
528	Labor Rate for Roofer	Per Hour	\$	173.24
529	Building / Construction Inspector	Per Hour	\$	148.25
530	Roof Inspector	Per Hour	\$	173.00
531	Consulting	Per Hour	\$	75.00
532	Design	Per Hour	\$	111.25
533	Installer	Per Hour	\$	173.24
534	Tradesman	Per Hour	\$	173.24
535	Engineering, Electrical	Per Hour	\$	105.00
536	Engineering, Mechanical	Per Hour	\$	105.00
537	Crew Supervision	Per Hour	\$	111.66

538	General Laborer	Per Hour	\$	152.45
539	Training	Per Hour	\$	137.20
DESCRIPTION OF COST FACTORS FROM TABLE F-2				
540	Per diem rate - meals and lodging per 24 hour period	Per Day	\$	162.50
541	Performance and payment bond - bonding rate (percent of project)	Percent		0.40%
542	Alternative methods of costing - percent of overhead/markup to cost	Percent		20.00%
543	Discounts offered of alternative costing methods (cost + profit & overhead) Rate of discount.	Percent		6.00%
544	R.S. Means Multiplier/Factor - Normal Hours - Non-Prevailing Wage Rates	Percent		89.00%
545	R.S. Means Multiplier/Factor - Out Side of Normal Hours - Non-Prevailing Wage Rates	Percent		94.00%
546	R.S. Means Multiplier/Factor - Normal Hours - Prevailing Wage Rates	Percent		92.00%
547	R.S. Means Multiplier/Factor - Out Side of Normal Hours - Prevailing Wage Rates	Percent		97.00%
548	Performance and payment bond - bonding rate (percent of project)	Percent		0.40%