

Roofing Contractors: 2002

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2002 Economic Census

Construction

Industry Series



USCENSUSBUREAU

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



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-- Not applicable for this report.

Table 1. Industry Statistics on 2002 NAICS Basis Distributed Among 1997 NAICS-Based Industries for the United States: 2002

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, and nonsampling error, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For detailed title descriptions, see Appendix F]

2002 NAICS code	1997 bridge code	Industry or bridge	Number of establishments	Total number of employees	Total payroll	Value of construction work ¹	Net value of construction work	Value added	Cost of materials, components, supplies, and fuels	Capital expenditures, other than land
			A	B	C	D	E	F	G	H
238160		Roofing contractors	23 192	226 203	6 018 992	22 990 652	21 099 983	12 800 818	8 392 844	450 036
	23561000	Roofing, siding, and sheet metal contractors (pt)	23 192	226 203	6 018 992	22 990 652	21 099 983	12 800 818	8 392 844	450 036

¹For the 2002 Economic Census, the definition of value of construction work has been modified from the 1997 Economic Census definition. See Appendix A for the modified definition.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Employment Statistics for Establishments by State: 2002

[Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A.]

Location of establishment	Number of establishments	Number of employees		Number of construction workers				Payroll (thousand dollars)		Relative standard error of estimate (percent) for column—
		Total	Construction workers	January to March	April to June	July to September	October to December	Total	Construction workers	
238160, Roofing contractors										
United States.....	23 192	226 203	176 512	S	177 788	190 547	181 228	6 018 992	4 100 391	2
Alabama.....	344	2 729	2 049	1 856	2 046	2 139	2 155	56 668	36 652	14
Alaska.....	56	1 052	885	898	655	1 103	886	16 332	11 154	13
Arizona.....	298	4 341	3 432	3 069	3 464	3 530	3 667	103 683	71 848	7
Arkansas.....	110	959	688	561	657	784	749	26 159	17 319	17
California.....	2 616	28 006	22 226	20 453	22 297	23 368	22 783	844 749	599 466	8
Colorado.....	435	5 756	4 648	4 512	4 715	4 898	4 468	163 295	127 477	6
Connecticut.....	231	2 386	1 881	2 547	1 289	1 447	2 242	65 682	42 253	29
Delaware.....	82	686	529	524	596	505	491	17 022	12 269	23
District of Columbia.....	3	D	D	D	D	D	D	D	100	S
Florida.....	1 511	23 275	18 658	17 913	18 253	19 437	19 030	516 963	358 863	6
Georgia.....	548	5 370	4 033	3 770	4 059	4 277	4 025	123 490	80 650	11
Hawaii.....	93	918	697	719	747	697	626	33 865	22 394	14
Idaho.....	113	1 085	852	731	869	920	887	23 392	16 863	19
Illinois.....	1 186	11 845	8 970	7 406	9 466	9 794	9 214	355 934	243 261	10
Indiana.....	459	4 932	3 973	3 445	3 951	4 478	4 016	130 498	94 046	10
Iowa.....	344	2 584	1 940	1 691	1 851	2 086	2 134	71 618	45 487	14
Kansas.....	193	2 037	1 571	1 354	1 542	1 636	1 753	56 454	37 844	16
Kentucky.....	290	2 926	2 215	2 094	2 194	2 315	2 258	62 899	40 822	15
Louisiana.....	279	2 449	1 930	1 680	1 981	2 032	2 027	49 866	32 777	14
Maine.....	121	1 086	828	687	833	940	852	28 677	20 932	20
Maryland.....	434	4 476	3 494	3 291	3 534	3 624	3 527	149 773	99 847	11
Massachusetts.....	337	2 699	2 088	1 832	2 067	2 415	2 040	92 599	60 419	11
Michigan.....	820	7 981	6 313	5 157	6 706	6 992	6 397	203 387	144 652	11
Minnesota.....	569	4 371	3 385	2 765	3 313	3 863	3 601	126 387	85 842	13
Mississippi.....	140	1 441	1 051	955	1 121	1 046	1 080	28 682	17 706	13
Missouri.....	577	5 001	3 719	3 436	3 778	3 870	3 792	133 922	88 646	13
Montana.....	106	447	322	219	277	373	418	9 485	6 253	25
Nebraska.....	141	1 283	978	908	1 052	1 018	932	34 652	23 335	11
Nevada.....	131	2 120	D	D	1 714	1 785	1 748	63 017	45 135	9
New Hampshire.....	118	889	671	597	707	705	675	23 734	14 213	16
New Jersey.....	706	6 575	5 312	4 060	5 568	5 893	5 726	182 386	126 260	9
New Mexico.....	171	1 250	961	929	888	1 016	1 011	33 562	23 090	13
New York.....	1 088	8 596	6 481	5 313	6 550	7 779	6 282	277 188	179 772	8
North Carolina.....	708	6 519	D	4 788	4 900	5 098	D	178 158	D	10
North Dakota.....	59	1 166	967	733	1 036	1 081	1 018	12 895	8 447	6
Ohio.....	1 013	10 528	8 648	6 268	9 244	9 984	9 097	252 023	D	8
Oklahoma.....	361	2 328	1 809	1 774	1 793	1 842	1 826	48 289	32 684	15
Oregon.....	355	3 372	2 695	1 850	2 845	3 261	2 823	75 894	52 695	12
Pennsylvania.....	844	8 423	6 596	5 895	6 285	7 396	6 807	224 408	156 579	9
Rhode Island.....	108	731	571	472	562	630	620	22 296	15 233	17
South Carolina.....	354	2 433	1 962	1 997	1 946	1 890	2 017	52 663	35 314	14
South Dakota.....	143	623	434	343	472	513	406	D	6 259	21
Tennessee.....	420	3 465	2 704	2 680	2 647	2 728	2 761	101 305	64 302	12
Texas.....	1 355	14 326	10 683	9 189	11 056	11 506	10 980	374 620	239 383	8
Utah.....	279	2 574	D	D	2 076	2 291	2 134	51 862	D	16
Vermont.....	65	425	D	D	D	D	D	13 057	8 734	14
Virginia.....	679	4 720	3 526	3 303	3 544	3 689	3 568	128 396	83 637	8
Washington.....	925	6 498	5 120	4 127	5 084	5 835	5 436	188 120	130 034	10
West Virginia.....	76	779	636	530	627	720	668	20 773	14 547	8
Wisconsin.....	709	5 179	3 915	3 073	4 174	4 448	3 964	147 898	97 643	10
Wyoming.....	88	5 179	431	D	D	494	465	D	7 269	S

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. General Statistics for Establishments by State: 2002

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Location of establishment	E ¹	Value of construction work ²	Net value of construction work	Value added	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted out to others	Total rental costs	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	Relative standard error of estimate (percent) for column—	
										C	H
	A	B	C	D	E	F	G	H	I	C	H
238160, Roofing contractors											
United States	2	22 990 652	21 099 983	12 800 818	8 392 844	1 890 669	363 876	450 036	3 279 177	2	3
Alabama	2	224 073	201 566	96 199	105 396	22 507	4 959	5 213	46 711	13	23
Alaska	—	90 804	84 447	50 333	34 203	6 357	1 027	1 087	10 588	8	5
Arizona	—	395 181	376 027	190 886	186 847	19 155	3 582	4 342	43 222	5	6
Arkansas	1	83 589	74 208	D	34 486	9 381	1 593	2 962	16 190	19	29
California	2	3 122 703	2 876 395	1 785 085	1 095 024	246 308	41 589	62 483	384 255	8	14
Colorado	—	537 795	502 592	341 175	161 947	35 203	6 458	4 729	55 416	8	12
Connecticut	2	223 029	D	132 684	64 667	D	4 076	1 912	29 589	S	13
Delaware	6	95 193	91 118	D	45 896	4 074	1 562	1 457	7 571	33	24
District of Columbia	5	D	D	D	440	D	26	D	D	S	S
Florida	1	2 220 991	2 045 609	1 217 821	832 668	175 382	32 093	40 985	258 770	5	7
Georgia	2	553 809	483 969	273 533	216 359	69 840	7 634	6 826	67 497	12	12
Hawaii	2	118 347	104 581	64 622	40 112	13 766	1 220	1 325	20 819	9	9
Idaho	2	96 327	89 988	50 159	41 126	6 339	1 310	995	9 633	20	20
Illinois	2	1 326 949	1 186 884	722 274	468 073	140 065	18 987	18 882	178 258	10	13
Indiana	—	419 170	D	255 577	140 823	D	7 419	8 007	69 507	S	17
Iowa	2	260 779	239 615	145 202	96 459	21 164	4 139	4 142	45 556	17	19
Kansas	2	211 807	197 221	107 752	89 538	14 586	3 417	5 041	36 509	12	5
Kentucky	1	298 349	277 662	194 355	84 208	20 687	4 544	4 734	36 384	29	19
Louisiana	3	169 803	157 969	90 502	67 960	11 835	2 901	6 253	37 699	13	35
Maine	1	106 048	D	69 555	34 275	D	1 796	3 329	31 581	S	18
Maryland	3	497 370	441 271	271 085	171 199	56 099	6 955	12 894	100 107	11	23
Massachusetts	2	336 687	D	199 961	108 930	D	5 333	4 956	41 332	S	13
Michigan	1	775 148	718 776	445 992	275 892	56 372	14 399	11 700	120 045	9	10
Minnesota	1	529 519	484 873	274 407	217 865	44 646	8 396	9 978	89 535	10	7
Mississippi	2	122 193	109 104	52 127	57 238	13 089	1 942	1 609	24 727	11	14
Missouri	4	517 868	464 911	281 715	185 794	52 957	7 623	10 458	74 036	13	18
Montana	2	45 222	D	26 767	13 870	D	638	392	7 497	S	15
Nebraska	3	116 261	103 136	64 405	39 431	13 125	1 822	2 458	21 432	11	13
Nevada	1	228 377	220 677	129 513	99 217	7 900	2 461	3 211	21 534	5	9
New Hampshire	1	88 890	85 605	58 841	28 973	3 285	1 353	1 302	16 290	17	22
New Jersey	3	713 107	651 603	432 253	224 407	61 503	21 596	11 417	89 374	8	15
New Mexico	3	105 945	101 730	61 568	40 429	4 215	1 259	2 341	26 684	14	23
New York	2	1 007 068	922 619	605 596	320 616	84 448	18 284	18 780	159 253	9	17
North Carolina	3	631 967	588 411	359 472	235 533	43 556	11 128	11 023	90 171	10	12
North Dakota	—	130 159	D	86 593	38 148	D	1 161	1 665	10 021	S	2
Ohio	2	910 739	844 880	542 934	305 601	65 859	16 534	20 692	128 139	7	29
Oklahoma	3	240 166	224 455	D	110 488	15 712	3 818	2 512	30 968	20	16
Oregon	1	313 935	287 098	173 241	114 805	26 837	5 819	9 986	37 915	8	51
Pennsylvania	1	851 582	804 633	475 585	329 803	46 949	12 939	14 442	122 780	10	14
Rhode Island	3	78 580	75 355	49 428	25 938	3 225	1 129	1 419	12 988	17	18
South Carolina	3	194 695	D	113 794	69 971	D	2 739	2 580	26 816	S	12
South Dakota	4	43 579	41 068	28 535	14 373	2 511	730	1 605	10 190	24	40
Tennessee	3	374 108	347 045	192 946	156 452	27 062	5 864	11 176	68 204	14	32
Texas	3	1 596 836	1 379 126	763 265	622 196	217 711	27 042	45 516	218 501	8	5
Utah	2	204 854	193 915	109 323	84 596	10 939	3 060	1 831	25 841	14	23
Vermont	2	D	D	24 445	14 794	D	596	1 223	11 101	S	11
Virginia	1	430 297	394 042	213 820	181 844	36 255	6 219	8 280	70 542	7	15
Washington	1	678 519	648 760	406 304	254 317	29 759	12 066	25 907	100 679	11	10
West Virginia	2	88 577	81 020	48 718	32 834	7 557	1 744	1 748	12 321	6	23
Wisconsin	2	499 654	463 128	298 553	166 694	36 526	8 284	11 542	117 878	9	19
Wyoming	1	41 719	39 339	21 759	18 090	2 380	610	D	D	17	S

¹Construction receipts were obtained from census respondent forms. For establishments whose respondent forms were not received at the time data were tabulated, these data were calculated using industry averages and imputation for nonresponse. The following symbols are shown where estimated imputation-based data on construction receipts account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²For the 2002 Economic Census, the definition of value of construction work has been modified from the 1997 Economic Census definition. See Appendix A for the modified definition.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 4. Detailed Statistics for Establishments: 2002

[Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, and nonsampling error, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Item	Value	Relative standard error of estimate (percent)
238160, Roofing contractors		
All establishments number	23 192	3
All employees number	226 203	2
Construction workers in March number	S	S
Construction workers in May number	177 788	2
Construction workers in August number	190 547	2
Construction workers in November number	181 228	2
Average number of construction workers number	176 512	2
Other employees in March number	S	S
Other employees in May number	46 961	2
Other employees in August number	49 197	3
Other employees in November number	48 687	2
Average number of other employees number	49 691	2
Total payroll \$1,000	6 018 992	2
Construction workers \$1,000	4 100 391	2
Other employees \$1,000	1 918 601	2
First-quarter payroll, all employees \$1,000	1 292 558	2
Fringe benefits, all employees \$1,000	1 488 114	2
Legally required expenditures \$1,000	996 548	2
Voluntary expenditures \$1,000	491 566	2
Value of business done ¹ \$1,000	23 084 331	2
Value of construction work ¹ \$1,000	22 990 652	2
Value of construction work on government owned projects \$1,000	4 606 851	3
Value of construction work on federally owned projects \$1,000	1 172 008	3
Value of construction work on state and locally owned projects \$1,000	3 434 843	3
Value of construction work on privately owned projects \$1,000	18 383 801	2
Other business receipts \$1,000	93 679	9
Value of construction work subcontracted in from others \$1,000	10 233 634	3
Net value of construction work \$1,000	21 099 983	2
Value added \$1,000	12 800 818	2
Selected costs \$1,000	10 283 513	2
Materials, parts, and supplies \$1,000	8 016 469	2
Construction work subcontracted out to others \$1,000	1 890 669	5
Selected power, fuels, and lubricants \$1,000	376 375	4
Purchased electricity \$1,000	44 941	3
Natural gas and manufactured gas \$1,000	41 477	4
Gasoline and diesel fuel \$1,000	275 385	5
On-highway use of gasoline and diesel fuel \$1,000	246 922	5
Off-highway use of gasoline and diesel fuel \$1,000	28 463	5
All other fuels and lubricants \$1,000	14 572	5
Total rental costs \$1,000	363 876	2
Machinery and equipment \$1,000	159 171	3
Buildings \$1,000	204 705	3
Selected purchased services \$1,000	807 108	4
Communication services \$1,000	202 600	3
Repairs to buildings and other structures \$1,000	113 623	6
Repairs to machinery and equipment \$1,000	184 165	3
Legal services \$1,000	56 184	11
Accounting, auditing, and bookkeeping services \$1,000	107 187	19
Advertising and promotional services \$1,000	S	S
Beginning-of-year gross book value of depreciable assets \$1,000	3 024 229	2
Capital expenditures, other than land \$1,000	450 036	3
Retirements and disposition of depreciable assets \$1,000	195 087	3
End-of-year gross book value of depreciable assets \$1,000	3 279 177	2
Depreciation charges during year \$1,000	380 266	3
Establishments with inventories number	3 954	-
Value of construction work for establishments with inventories \$1,000	9 552 632	-
End-of-2002, inventories of materials and supplies \$1,000	315 668	6
End-of-2001, inventories of materials and supplies \$1,000	303 463	5
Establishments with no inventories number	16 489	-
Value of construction work for establishments with no inventories \$1,000	10 781 158	-
Establishments not reporting inventories number	2 749	-
Value of construction work for establishment not reporting inventores \$1,000	2 656 862	-

¹For the 2002 Economic Census, the definitions of value of business done and value of construction work has been modified from the 1997 Economic Census definition. See Appendix A for the modified definitions.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Selected Statistics for Establishments by Employment Size Class: 2002

[Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, and nonsampling error, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Employment size class	E ¹	Number of establishments	Total number of employees	Total payroll	Value of business done ²	Value of construction work ²	Net value of construction work	Value added	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted out to others	Relative standard error of estimate (percent) for column—
	A	B	C	D	E	F	G	H	I	J	C
238160, Roofing contractors											
All establishments	2	23 192	226 203	6 018 992	23 084 331	22 990 652	21 099 983	12 800 818	8 392 844	1 890 669	2
Establishments with—											
1 to 4 employees	—	12 486	25 591	460 439	2 549 342	2 532 477	2 209 473	1 297 141	929 197	323 004	4
5 to 9 employees	—	5 320	33 147	684 732	2 990 970	2 987 218	2 754 292	1 594 660	1 163 384	232 926	5
10 to 19 employees	—	2 864	37 944	997 186	3 689 549	3 682 253	3 398 714	2 052 972	1 353 038	283 539	6
20 to 49 employees	—	1 876	55 522	1 729 752	5 824 541	5 788 029	5 283 368	3 222 086	2 097 795	504 661	4
50 to 99 employees	—	447	30 214	1 020 284	3 368 370	3 352 781	3 139 075	1 908 564	1 246 099	213 706	4
100 to 249 employees	—	167	23 613	748 746	2 847 161	2 834 187	2 616 708	1 558 726	1 070 956	217 479	3
250 to 499 employees	—	21	7 247	154 870	801 337	801 016	751 799	453 005	299 115	49 217	—
500 to 999 employees	—	3	1 851	28 612	216 602	216 502	203 919	137 475	66 544	12 583	—
1,000 employees or more	—	8	11 074	194 371	796 459	796 189	742 635	576 188	166 717	53 554	—

¹Construction receipts were obtained from census respondent forms. For establishments whose respondent forms were not received at the time data were tabulated, these data were calculated using industry averages and imputation for nonresponse. The following symbols are shown where estimated imputation-based data on construction receipts account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²For the 2002 Economic Census, the definitions of value of business done and value of construction work has been modified from the 1997 Economic Census definition. See Appendix A for the modified definitions.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6. Selected Statistics for Establishments by Value of Business Done Size Class: 2002

[Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, and nonsampling error, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Dollar value size class	E ¹	Number of establishments	Total number of employees	Total payroll	Value of business done ²	Value of construction work ²	Net value of construction work	Value added	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted out to others	Relative standard error of estimate (percent) for column—
	A	B	C	D	E	F	G	H	I	J	G
238160, Roofing contractors											
All establishments	2	23 192	226 203	6 018 992	23 084 331	22 990 652	21 099 983	12 800 818	8 392 844	1 890 669	2
Establishments with value of business done—											
Less than \$25,000	1	472	S	S	S	S	S	S	S	S	S
\$25,000 to \$49,999	—	1 468	S	S	S	S	S	S	S	S	S
\$50,000 to \$99,999	—	2 315	4 177	48 712	180 224	179 907	169 975	111 116	59 177	9 931	9
\$100,000 to \$249,999	—	6 229	17 144	252 832	1 037 174	1 033 461	958 550	585 228	377 035	74 911	6
\$250,000 to \$499,999	—	4 521	21 220	415 515	1 639 343	1 634 281	1 491 694	901 159	595 597	142 587	6
\$500,000 to \$999,999	—	3 383	27 811	642 694	2 392 663	2 380 848	2 176 182	1 331 826	856 170	204 667	6
\$1,000,000 to \$2,499,999	—	2 941	44 595	1 181 785	4 533 304	4 517 878	4 158 002	2 416 639	1 756 788	359 876	6
\$2,500,000 to \$4,999,999	—	1 026	32 111	1 027 516	3 575 900	3 559 234	3 247 558	1 930 842	1 333 382	311 676	5
\$5,000,000 to \$9,999,999	—	566	30 403	1 050 972	3 835 331	3 815 146	3 455 932	2 108 237	1 367 879	359 214	5
\$10,000,000 or more	—	271	46 496	1 382 519	5 830 378	5 809 951	5 386 720	3 379 026	2 028 120	423 232	3

¹Construction receipts were obtained from census respondent forms. For establishments whose respondent forms were not received at the time data were tabulated, these data were calculated using industry averages and imputation for nonresponse. The following symbols are shown where estimated imputation-based data on construction receipts account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²For the 2002 Economic Census, the definitions of value of business done and value of construction work has been modified from the 1997 Economic Census definition. See Appendix A for the modified definitions.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 7. Value of Construction Work for Establishments by Type of Construction: 2002

[Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, and nonsampling error, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Type of construction	Value of construction work ¹				Relative standard error of estimate (percent) for column—			
	Total	New construction	Additions, alterations, or reconstruction	Maintenance and repair	A	B	C	D
	A	B	C	D	A	B	C	D
238160, Roofing contractors								
Total	22 990 652	8 786 328	8 130 463	6 073 861	1	2	2	2
Building construction, total	22 851 530	8 740 560	8 071 427	6 039 543	1	2	2	2
Single-family houses, detached and attached	9 757 478	3 750 249	3 261 234	2 745 994	3	5	4	4
Stores, restaurants, and automobile service stations, and other commercial buildings	2 249 926	996 781	643 104	610 041	4	3	5	6
Educational buildings	2 119 857	805 564	838 790	475 503	4	5	3	10
Other building construction	8 724 270	3 187 966	3 328 299	2 208 005	1	2	2	2
Nonbuilding construction, total	139 122	45 768	59 036	34 318	12	6	23	15
Other nonbuilding construction	139 122	45 768	59 036	34 318	12	6	23	15

¹For the 2002 Economic Census, the definition of value of construction work has been modified from the 1997 Economic Census definition. See Appendix A for the modified definition.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 8. Selected Statistics for Establishments by Specialization in Types of Construction: 2002

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. This table presents selected statistics for establishments according to degree of specialization in major types of construction work. If number of establishments or value of construction work for a given type of specialization are relatively insignificant, data may not be shown. In addition, data are not shown in this table where distribution of the value of construction work by type of construction was not provided in Table 7. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, and nonsampling error, see note at the end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A.]

Item	Number of establishments	Total number of employees	Total payroll	Value of construction work for specialized type	Net value of construction work	Value added	Cost of construction work subcontracted out to others	Relative standard error of estimate (percent) for column—
	A	B	C	D	E	F	G	G
238160, Roofing contractors								
Total	23 192	226 203	6 018 992	X	21 099 983	12 800 818	1 890 669	5
Establishments specializing 51 percent or more...	16 706	128 241	3 048 321	10 651 308	11 691 061	6 885 181	1 175 933	7
Building construction, total								
Establishments specializing 51 percent or more...	16 674	127 897	3 038 358	10 616 327	11 653 361	6 855 143	1 174 348	7
Specialization 100 percent	6 779	D	731 235	D	D	1 857 240	D	S
Specialization 90 to 99 percent	3 108	D	593 626	D	D	D	D	S
Specialization 80 to 89 percent	1 850	14 393	380 917	1 194 974	1 342 114	763 591	113 698	11
Specialization 70 to 79 percent	2 158	19 994	531 797	1 471 802	1 847 567	1 069 504	168 552	16
Specialization 60 to 69 percent	1 976	D	D	D	D	D	D	S
Specialization 51 to 59 percent	803	D	D	D	D	D	D	S
Single-family houses, detached and attached								
Establishments specializing 51 percent or more...	14 170	91 588	1 934 657	7 793 481	8 086 659	4 612 269	848 115	9
Specialization 100 percent	6 094	30 928	591 528	3 143 281	2 768 072	1 568 899	375 209	19
Specialization 90 to 99 percent	2 862	23 559	513 994	2 150 565	2 108 796	1 211 371	169 066	9
Specialization 80 to 89 percent	1 624	10 520	249 775	824 755	916 494	517 963	86 198	13
Specialization 70 to 79 percent	1 771	12 917	300 391	919 321	1 150 571	640 841	100 389	26
Specialization 60 to 69 percent	1 362	9 406	217 428	600 032	894 971	525 901	79 410	15
Specialization 51 to 59 percent	458	4 259	61 541	155 527	247 755	147 294	37 842	7
Stores, restaurants, and automobile service stations, and other commercial buildings								
Establishments specializing 51 percent or more...	605	10 934	294 868	797 703	962 970	628 066	101 772	19
Specialization 100 percent	131	1 965	58 460	191 744	177 709	110 648	14 035	25
Specialization 90 to 99 percent	12	746	27 715	109 499	108 431	81 263	9 651	3
Specialization 80 to 89 percent	38	717	29 271	75 258	82 283	51 990	8 945	49
Specialization 70 to 79 percent	127	1 747	38 283	86 405	110 733	69 397	5 794	25
Specialization 60 to 69 percent	159	3 322	94 339	246 078	350 903	237 170	32 805	40
Specialization 51 to 59 percent	137	2 438	46 799	88 718	132 910	77 598	30 543	42
Educational buildings								
Establishments specializing 51 percent or more...	531	8 798	255 252	670 746	878 147	510 827	81 913	15
Specialization 100 percent	125	777	9 317	50 296	40 065	19 213	10 230	82
Specialization 90 to 99 percent	29	381	12 200	56 237	50 028	27 331	9 099	71
Specialization 80 to 89 percent	94	1 141	27 908	106 305	123 695	64 570	5 022	44
Specialization 70 to 79 percent	79	1 601	51 711	144 762	183 915	109 294	17 458	26
Specialization 60 to 69 percent	161	3 586	105 316	228 023	338 355	216 474	29 234	16
Specialization 51 to 59 percent	44	1 313	48 799	85 123	142 088	73 945	10 870	9
Other building construction								
Establishments specializing 51 percent or more...	1 367	16 576	553 581	1 354 396	1 725 585	1 103 981	142 550	12
Specialization 100 percent	428	D	71 930	D	D	158 480	D	S
Specialization 90 to 99 percent	205	D	39 716	D	D	D	D	S
Specialization 80 to 89 percent	95	2 015	73 962	188 656	219 642	129 068	13 533	19
Specialization 70 to 79 percent	182	3 729	141 412	321 313	402 349	249 971	44 912	19
Specialization 60 to 69 percent	294	D	D	D	D	D	D	S
Specialization 51 to 59 percent	164	D	D	D	D	D	D	S
Nonbuilding construction, total								
Establishments specializing 51 percent or more...	32	344	9 963	34 981	37 700	30 038	1 585	49
Specialization 100 percent	29	227	5 759	28 965	27 405	22 126	D	S
Specialization 60 to 69 percent	2	D	D	D	D	D	D	S
Specialization 51 to 59 percent	1	D	D	D	D	D	-	-
Other nonbuilding construction								
Establishments specializing 51 percent or more...	32	344	9 963	34 981	37 700	30 038	1 585	49
Specialization 100 percent	29	227	5 759	28 965	27 405	22 126	D	S
Specialization 60 to 69 percent	2	D	D	D	D	D	D	S
Specialization 51 to 59 percent	1	D	D	D	D	D	-	-

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 9. Value of Business Done for Establishments by Kind-of-Business Activity: 2002

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. Based on their primary business activity or combination of activities, establishments were classified into this specific industry. These establishments, however, may also be engaged in other kinds of business activities. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, and nonsampling error, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Primary and other kind of business activities	Value of business done ¹	Relative standard error of estimate (percent)
238160, Roofing contractors		
Total	23 084 331	2
Special trade contractors, total	21 177 973	2
Roofing contractor, except sheet metal	17 046 631	2
Roofing contractor, sheet metal	4 131 342	3
All other construction activities	1 815 380	2
Other business activities secondary to construction activities, total	90 978	9
All other business activities secondary to construction activities	90 978	9

¹For the 2002 Economic Census, the definition of value of business done has been modified from the 1997 Economic Census definition. See Appendix A for the modified definition.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 10. Selected Statistics for Establishments by Specialization in Kind-of-Business Activity: 2002

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. This table presents selected statistics for establishments according to degree of specialization by major activity of construction work. If number of establishments or value of construction work for a given type of specialization are relatively insignificant, data may not be shown. In addition, data are not shown in this table where distribution of the value of business done by kind of business activity was not provided in Table 9. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, and nonsampling error, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A.]

Item	Number of establishments	Total number of employees	Total payroll	Value of construction work for specialized kind of business	Net value of construction work	Value added	Cost of construction work subcontracted out to others	Relative standard error of estimate (percent) for column—
	A	B	C	D	E	F	G	G
238160, Roofing contractors								
Total	23 192	226 203	6 018 992	X	21 099 983	12 800 818	1 890 669	5
Establishments specializing 51 percent or more...	20 954	209 723	5 570 222	18 961 632	19 642 460	11 870 254	1 755 120	5
Special trade contractors, total								
Establishments specializing 51 percent or more...	20 954	209 723	5 570 222	18 961 632	19 642 460	11 870 254	1 755 120	5
Specialization 100 percent	10 671	86 469	2 097 850	8 759 225	7 951 850	4 749 593	807 376	9
Specialization 90 to 99 percent	3 685	44 667	1 230 236	4 421 242	4 361 662	2 606 623	340 065	10
Specialization 80 to 89 percent	2 198	29 876	925 654	2 619 052	2 923 036	1 748 153	233 463	9
Specialization 70 to 79 percent	1 734	21 703	652 301	1 681 091	2 119 498	1 347 050	171 337	7
Specialization 60 to 69 percent	1 455	18 451	453 376	1 053 630	1 554 973	985 428	131 765	10
Specialization 51 to 59 percent	1 211	8 556	210 806	427 391	731 441	433 406	71 114	12
Roofing contractor, except sheet metal								
Establishments specializing 51 percent or more...	18 442	183 465	4 779 239	16 359 731	16 962 414	10 184 837	1 528 172	6
Specialization 100 percent	9 528	71 473	1 627 414	7 077 622	6 403 181	3 783 042	674 441	11
Specialization 90 to 99 percent	3 453	41 665	1 146 840	4 128 480	4 073 474	2 424 337	317 487	10
Specialization 80 to 89 percent	1 813	27 610	857 787	2 416 824	2 695 881	1 597 842	212 996	10
Specialization 70 to 79 percent	1 369	19 750	599 143	1 526 996	1 921 418	1 222 581	156 186	7
Specialization 60 to 69 percent	1 300	15 596	374 324	858 058	1 261 439	797 662	114 172	11
Specialization 51 to 59 percent	980	7 370	173 731	351 751	607 021	359 373	52 890	13
Roofing contractor, sheet metal								
Establishments specializing 51 percent or more...	2 512	26 259	790 983	2 601 901	2 680 046	1 685 417	226 948	9
Specialization 100 percent	1 144	14 996	470 436	1 681 603	1 548 669	966 551	132 935	12
Specialization 90 to 99 percent	232	3 002	83 396	292 762	288 188	182 286	22 578	22
Specialization 80 to 89 percent	386	2 266	67 867	202 228	227 155	150 311	20 467	33
Specialization 70 to 79 percent	366	1 954	53 158	154 096	198 080	124 469	15 152	26
Specialization 60 to 69 percent	155	2 855	79 051	195 572	293 534	187 766	17 593	17
Specialization 51 to 59 percent	231	1 186	37 075	75 640	124 420	74 033	18 224	29

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 11. Value of Construction Work for Establishments by Location of Construction Work: 2002

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Location of construction work	Value of construction work ¹	Relative standard error of estimate (percent) for column—
238160, Roofing contractors		
United States	22 990 652	2
Construction work done in—		
Alabama	216 385	12
Alaska	91 497	8
Arizona	394 160	5
Arkansas	84 069	21
California	3 153 087	8
Colorado	516 271	8
Connecticut	220 748	13
Delaware	100 010	32
District of Columbia	34 820	10
Florida	2 283 146	5
Georgia	564 049	12
Hawaii	124 278	8
Idaho	98 758	16
Illinois	1 331 626	10
Indiana	405 926	6
Iowa	246 971	17
Kansas	226 487	11
Kentucky	290 390	29
Louisiana	190 873	11
Maine	104 433	20
Maryland	471 113	11
Massachusetts	339 767	8
Michigan	786 273	8
Minnesota	540 534	10
Mississippi	114 370	14
Missouri	531 476	13
Montana	44 313	26
Nebraska	114 059	13
Nevada	248 066	5
New Hampshire	81 699	18
New Jersey	725 989	8
New Mexico	113 753	13
New York	937 321	9
North Carolina	617 919	10
North Dakota	118 957	4
Ohio	920 507	7
Oklahoma	225 204	19
Oregon	310 023	9
Pennsylvania	811 185	9
Rhode Island	78 097	16
South Carolina	233 087	15
South Dakota	42 990	24
Tennessee	365 907	14
Texas	1 536 467	8
Utah	190 053	14
Vermont	34 164	12
Virginia	470 417	6
Washington	691 726	10
West Virginia	70 978	7
Wisconsin	490 979	10
Wyoming	55 277	16

¹For the 2002 Economic Census, the definition of value of construction work has been modified from the 1997 Economic Census definition. See Appendix A for the modified definition.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.